

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004982.D
 Acq On : 26 Mar 2019 18:29
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 05:08:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	9112	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	38929	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	22864	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	52083	20.00	ng	0.00
76) Chrysene-d12	21.27	240	54548	20.00	ng	0.00
87) Perylene-d12	23.52	264	50230	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	67318	127.73	ng	0.00
7) Phenol-d6	6.86	99	89398	127.89	ng	0.00
23) Nitrobenzene-d5	8.84	82	55119	85.65	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	52751	143.05	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	147638	85.57	ng	0.00
79) Terphenyl-d14	19.71	244	239528	84.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	2891	15.052	ng	98
3) Pyridine	3.60	79	8277	15.421	ng	99
4) n-Nitrosodimethylamine	3.53	42	2393	13.676	ng	# 96
6) Aniline	7.02	93	13918	15.635	ng	100
8) 2-Chlorophenol	7.24	128	10505	15.701	ng	98
9) Benzaldehyde	6.83	77	7490	18.646	ng	96
10) Phenol	6.88	94	11763	15.704	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	9228	15.931	ng	96
12) 1,3-Dichlorobenzene	7.71	146	11726	16.086	ng	99
13) 1,4-Dichlorobenzene	8.02	146	11351	15.384	ng	97
14) 1,2-Dichlorobenzene	8.02	146	11351	16.075	ng	97
15) Benzyl Alcohol	7.92	79	8190	15.400	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.20	45	11468	16.410	ng	100
17) 2-Methylphenol	8.12	107	8239	15.778	ng	99
18) Hexachloroethane	8.74	117	4108	15.708	ng	99
19) n-Nitroso-di-n-propylamine	8.48	70	7531	16.434	ng	99
20) 3+4-Methylphenols	8.45	107	11039	15.570	ng	100
22) Acetophenone	8.50	105	15211	17.117	ng	99
24) Nitrobenzene	8.88	77	10853	16.664	ng	99
25) Isophorone	9.39	82	21333	17.016	ng	99
26) 2-Nitrophenol	9.59	139	6092	16.109	ng	99
27) 2,4-Dimethylphenol	9.64	122	8540	16.220	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	13225	17.026	ng	99
29) 2,4-Dichlorophenol	10.12	162	9733	16.085	ng	98
30) 1,2,4-Trichlorobenzene	10.32	180	11183	16.777	ng	99
31) Naphthalene	10.51	128	34534	17.003	ng	99
32) Benzoic acid	9.76	122	5046	16.174	ng	99
33) 4-Chloroaniline	10.63	127	13885	16.803	ng	99
34) Hexachlorobutadiene	10.77	225	7262	16.837	ng	99
35) Caprolactam	11.40	113	3231	16.307	ng	96
36) 4-Chloro-3-methylphenol	11.76	107	10893	16.664	ng	99
37) 2-Methylnaphthalene	12.13	142	24681	17.208	ng	99
38) 1-Methylnaphthalene	12.35	142	24182	17.231	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.50	216	13310	16.413	ng	98

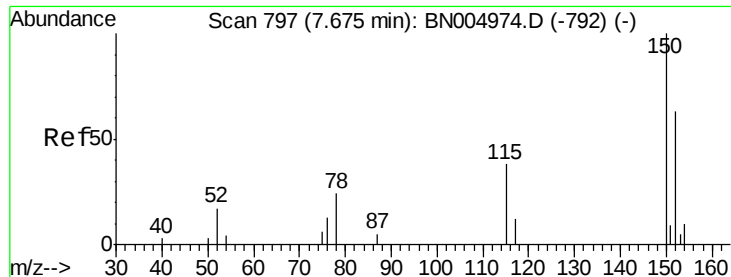
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004982.D
 Acq On : 26 Mar 2019 18:29
 Operator : JU/SJ
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 Misc : LOD 16 PPM
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 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	5635	16.080	ng	98
43) 2,4,6-Trichlorophenol	12.75	196	8068	16.033	ng	100
44) 2,4,5-Trichlorophenol	12.83	196	8652	15.783	ng	99
46) 1,1'-Biphenyl	13.15	154	33084	17.097	ng	100
47) 2-Chloronaphthalene	13.19	162	24762	16.675	ng	100
48) 2-Nitroaniline	13.42	65	6431	16.269	ng	99
49) Acenaphthylene	14.05	152	42561	17.040	ng	100
50) Dimethylphthalate	13.78	163	32408	17.253	ng	100
51) 2,6-Dinitrotoluene	13.91	165	7227	16.908	ng	98
52) Acenaphthene	14.39	154	24215	17.235	ng	98
53) 3-Nitroaniline	14.25	138	7131	16.323	ng	100
54) 2,4-Dinitrophenol	14.46	184	2946	17.723	ng	98
55) Dibenzofuran	14.72	168	38287	17.125	ng	99
56) 4-Nitrophenol	14.56	139	5199	15.106	ng	97
57) 2,4-Dinitrotoluene	14.70	165	9775	16.828	ng	# 99
58) Fluorene	15.37	166	31562	17.476	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.95	232	8238	16.208	ng	# 99
60) Diethylphthalate	15.15	149	32805	17.501	ng	100
61) 4-Chlorophenyl-phenylether	15.37	204	16161	17.346	ng	99
62) 4-Nitroaniline	15.41	138	7276	16.576	ng	99
63) Azobenzene	15.66	77	27245	17.461	ng	100
65) 4,6-Dinitro-2-methylphenol	15.47	198	5031	16.574	ng	99
66) n-Nitrosodiphenylamine	15.59	169	27380	16.689	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	10720	16.494	ng	97
68) Hexachlorobenzene	16.37	284	12673	16.643	ng	99
69) Atrazine	16.54	200	9966	17.003	ng	99
70) Pentachlorophenol	16.72	266	5473	13.670	ng	99
71) Phenanthrene	17.12	178	49848	17.034	ng	99
72) Anthracene	17.20	178	49295	16.923	ng	100
73) Carbazole	17.49	167	45680	17.229	ng	98
74) Di-n-butylphthalate	18.03	149	55505	17.185	ng	99
75) Fluoranthene	19.14	202	58629	17.561	ng	99
77) Benzidine	19.33	184	26363	15.508	ng	98
78) Pyrene	19.50	202	59931	16.454	ng	99
80) Butylbenzylphthalate	20.40	149	24169	16.331	ng	99
81) Benzo(a)anthracene	21.26	228	57960	17.058	ng	99
82) 3,3'-Dichlorobenzidine	21.20	252	21500	16.921	ng	99
83) Chrysene	21.31	228	55014	16.951	ng	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	34489	16.843	ng	99
85) Di-n-octyl phthalate	22.05	149	55417	16.769	ng	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	54299	14.727	ng	99
88) Benzo(b)fluoranthene	22.84	252	53867	17.422	ng	100
89) Benzo(k)fluoranthene	22.89	252	49365	17.411	ng	99
90) Benzo(a)pyrene	23.42	252	47920	16.937	ng	99
91) Dibenzo(a,h)anthracene	25.78	278	44563	15.689	ng	100
92) Benzo(g,h,i)perylene	26.47	276	43313	15.419	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

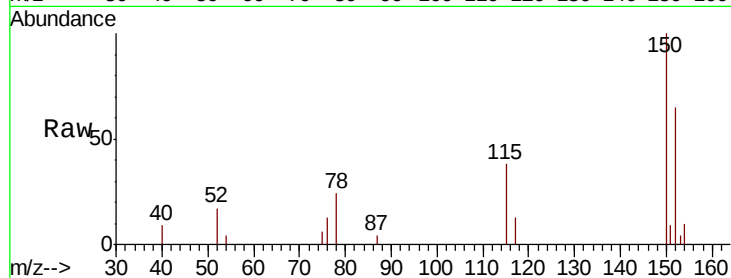


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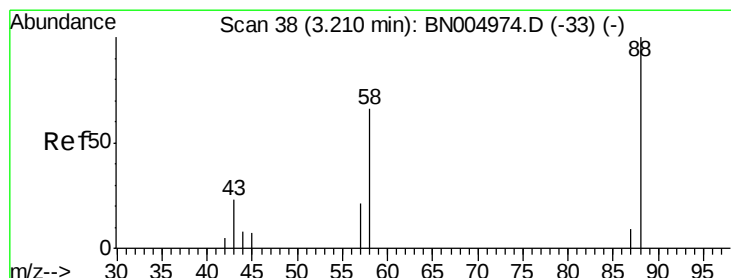
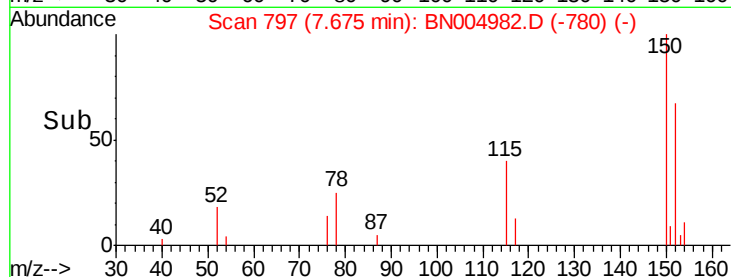
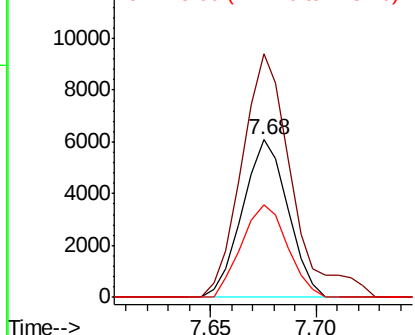
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 152 Resp: 9112
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 58.8 47.8 71.6



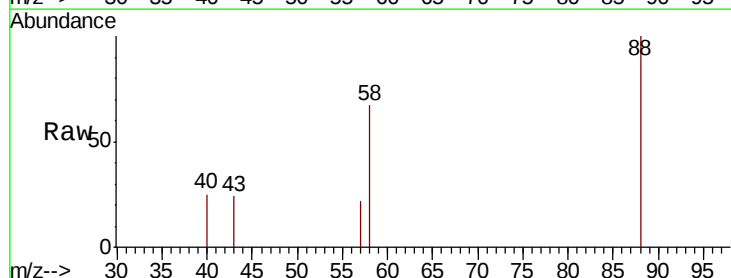
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



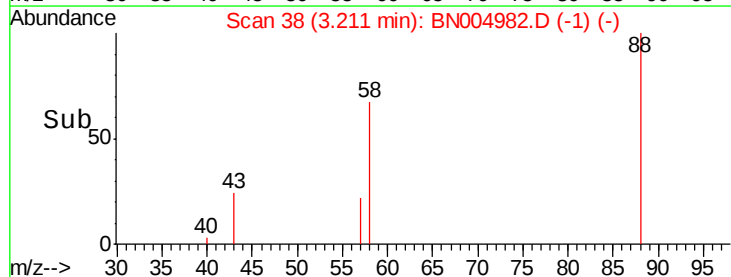
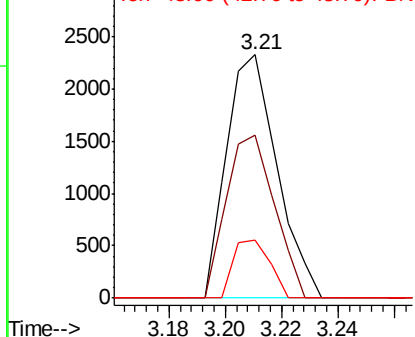
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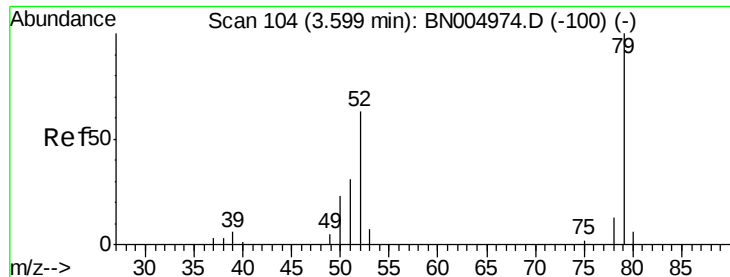
1,4-Dioxane
Concen: 15.052 ng
RT: 3.21 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion: 88 Resp: 2891
Ion Ratio Lower Upper
88 100
58 63.8 51.0 76.6
43 17.2 16.7 25.1



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

Pyridine

Concen: 15.421 ng

RT: 3.60 min Scan# 104

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

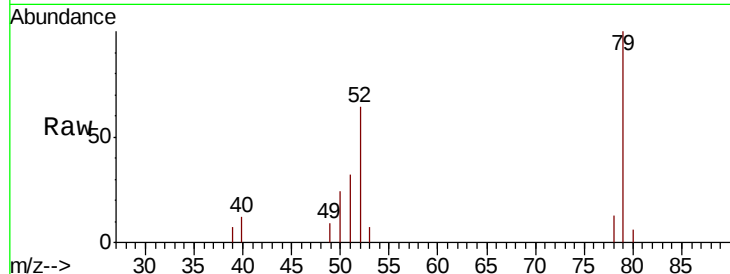
Tgt Ion: 79 Resp: 8277

Ion Ratio Lower Upper

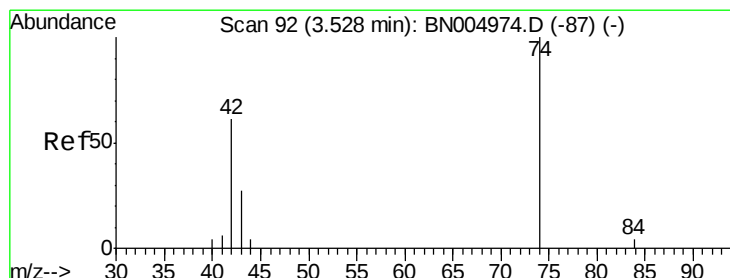
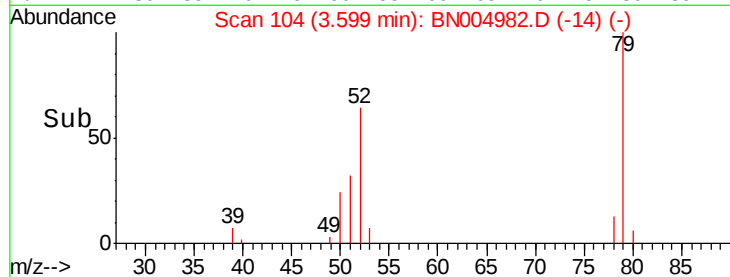
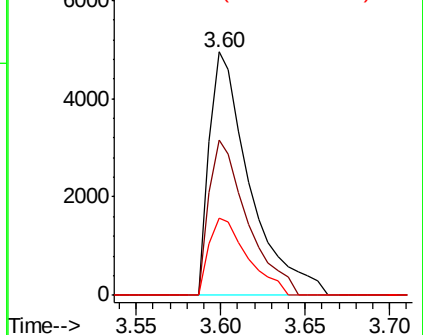
79 100

52 64.0 50.2 75.4

51 32.0 25.0 37.4



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 52.00 (51.70 to 52.70): BNC
Ion 51.00 (50.70 to 51.70): BNC



#4

n-Nitrosodimethylamine

Concen: 13.676 ng

RT: 3.53 min Scan# 92

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

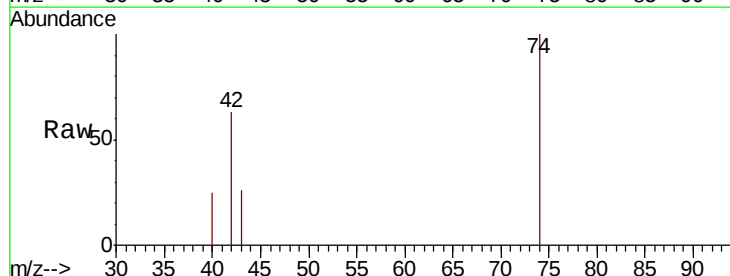
Tgt Ion: 42 Resp: 2393

Ion Ratio Lower Upper

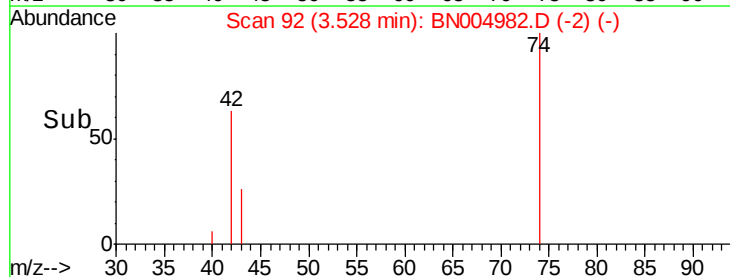
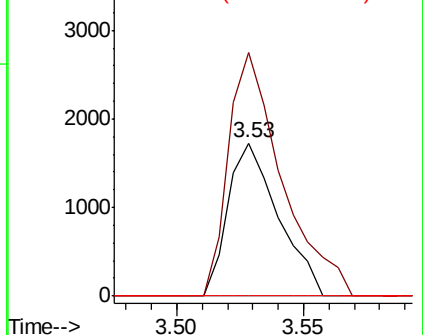
42 100

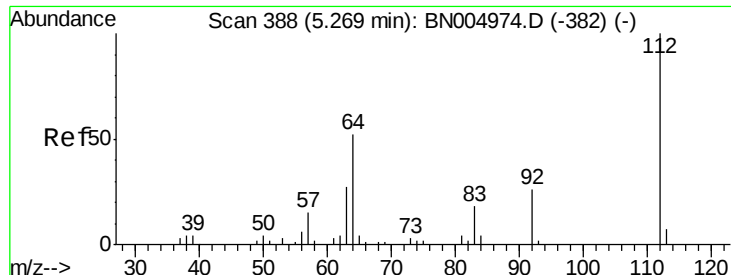
74 159.1 130.8 196.2

44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 127.728 ng

RT: 5.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

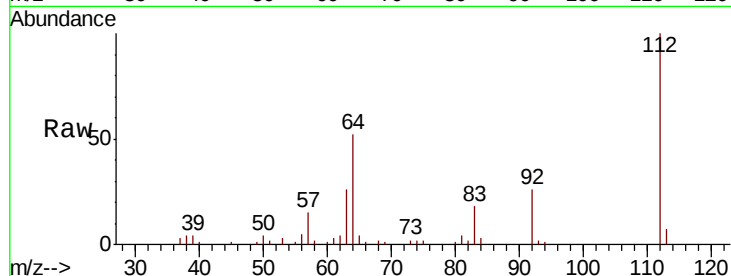
Tgt Ion: 112 Resp: 67318

Ion Ratio Lower Upper

112 100

64 51.5 41.9 62.9

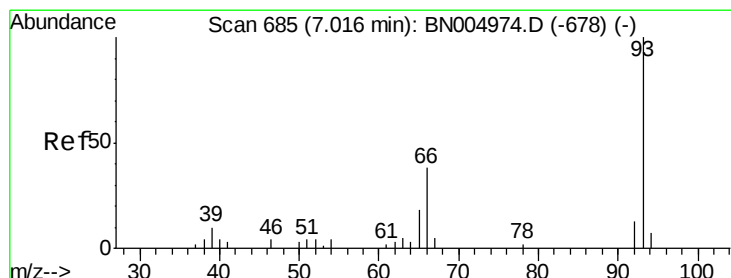
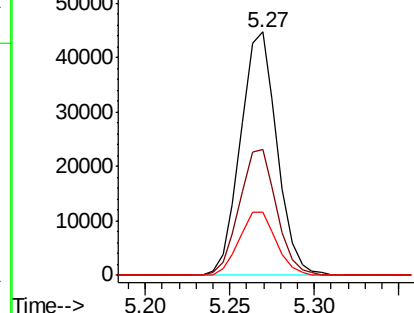
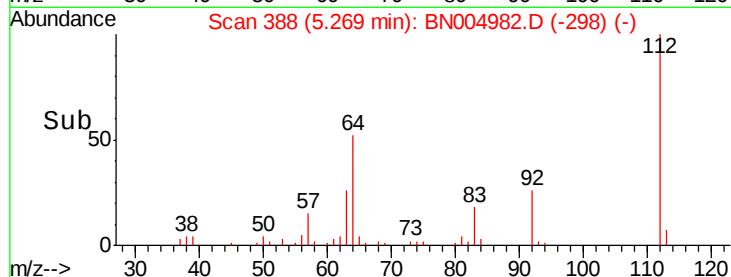
63 26.0 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#6

Aniline

Concen: 15.635 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

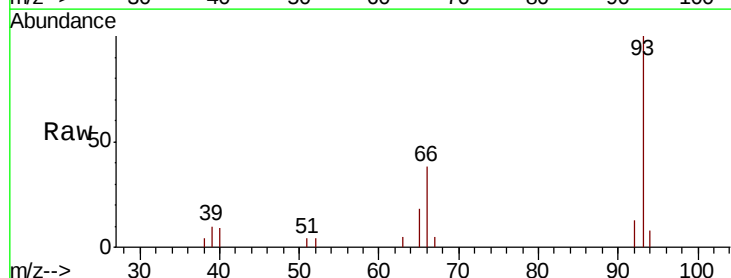
Tgt Ion: 93 Resp: 13918

Ion Ratio Lower Upper

93 100

66 37.9 30.2 45.4

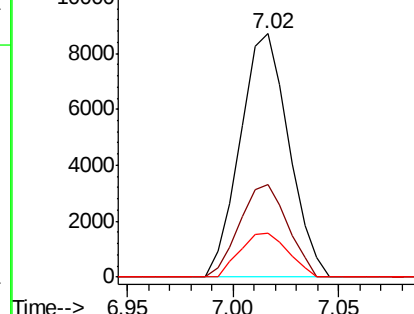
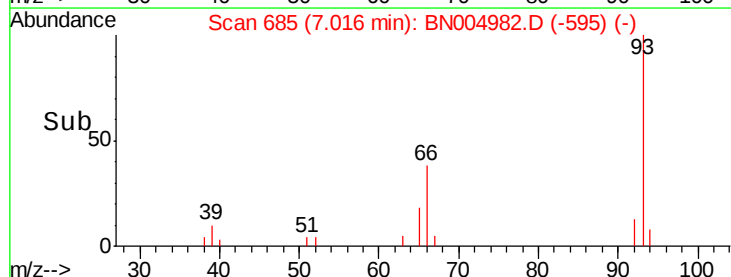
65 18.2 14.7 22.1

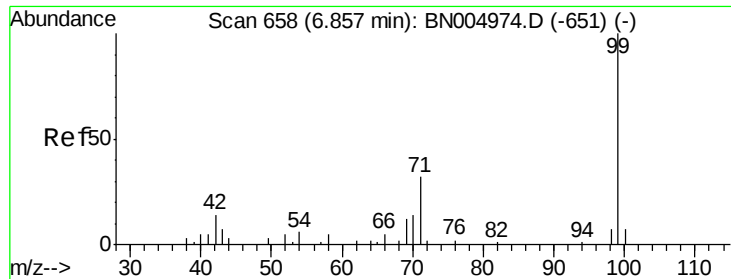


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 127.888 ng

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

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LOD-MDL-SOIL-01-QT1-2019

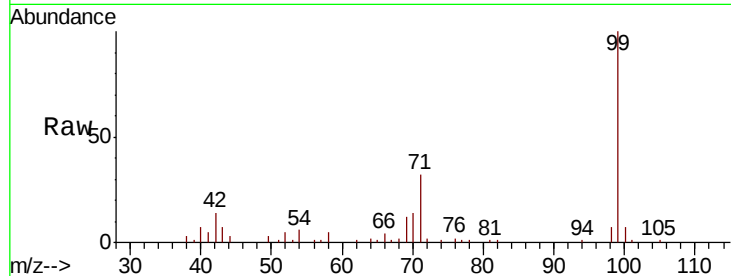
Tgt Ion: 99 Resp: 89398

Ion Ratio Lower Upper

99 100

42 14.1 11.4 17.0

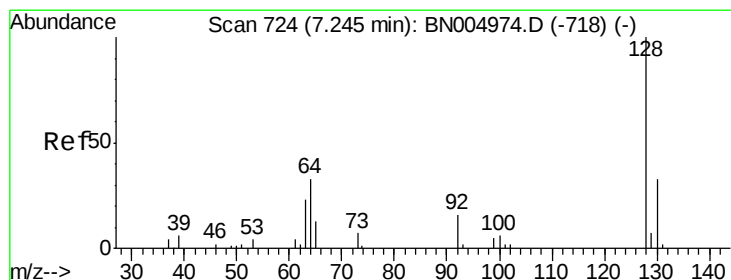
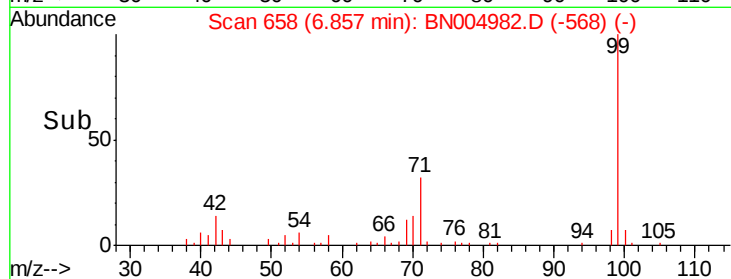
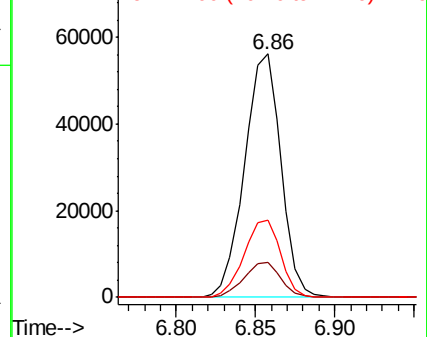
71 31.9 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#8

2-Chlorophenol

Concen: 15.701 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

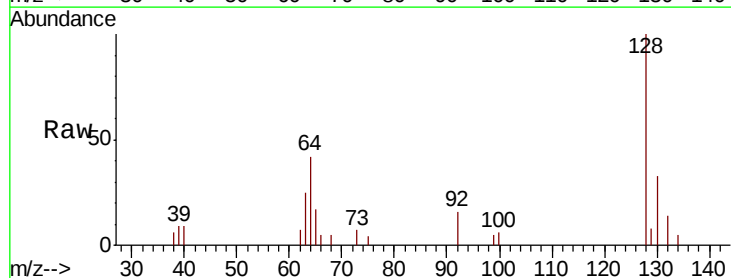
Tgt Ion: 128 Resp: 10505

Ion Ratio Lower Upper

128 100

130 32.8 12.9 52.9

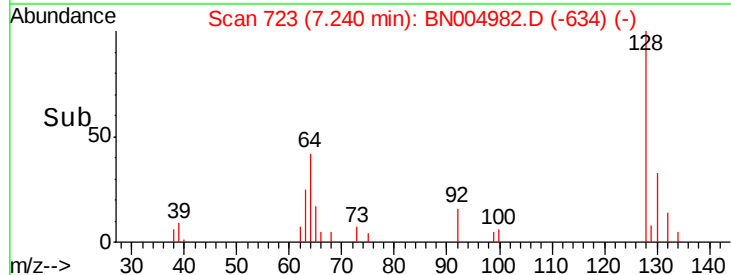
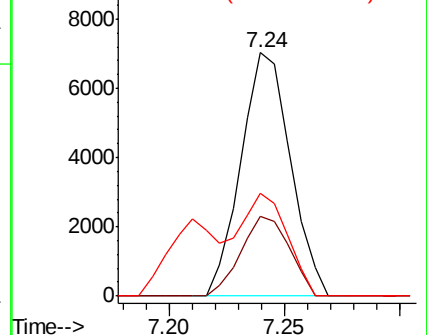
64 42.3 19.9 59.9

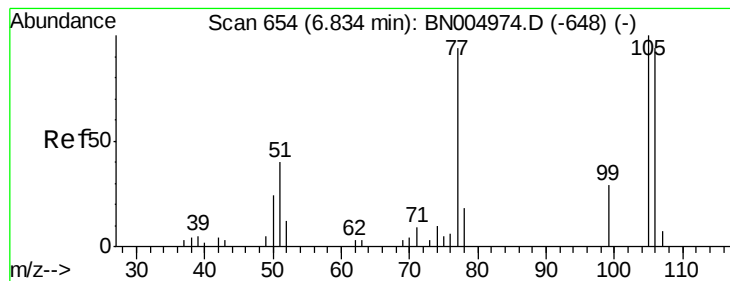


Abundance Ion 128.00 (127.70 to 128.70): BN004974.D (-718) (-)

Ion 130.00 (129.70 to 130.70): BN004974.D (-718) (-)

Ion 64.00 (63.70 to 64.70): BN004974.D (-718) (-)





#9

Benzaldehyde

Concen: 18.646 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

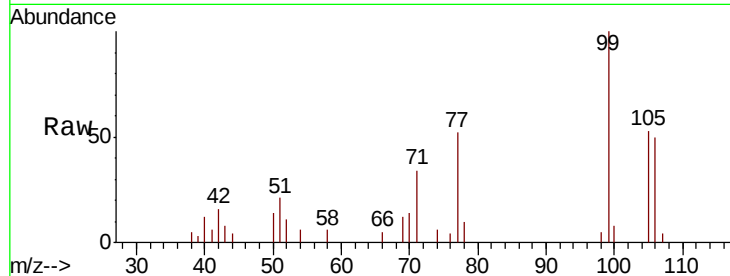
Tgt Ion: 77 Resp: 7490

Ion Ratio Lower Upper

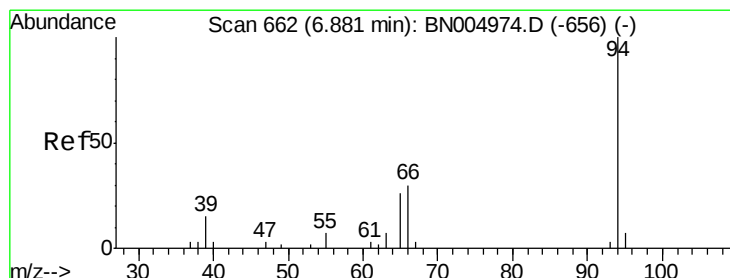
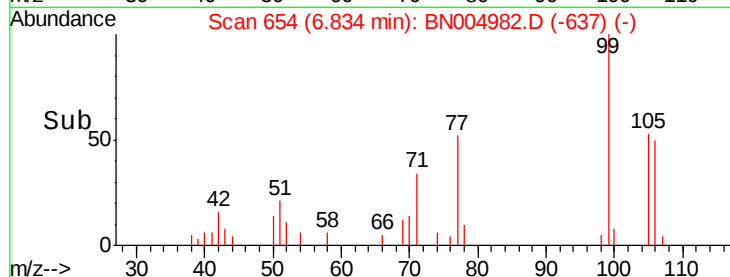
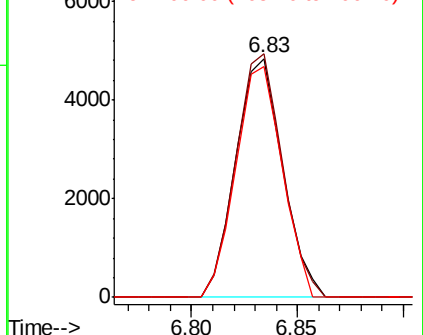
77 100

105 102.0 86.1 126.1

106 96.9 79.9 119.9



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 105.00 (104.70 to 105.70): BNC
Ion 106.00 (105.70 to 106.70): BNC



#10

Phenol

Concen: 15.704 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

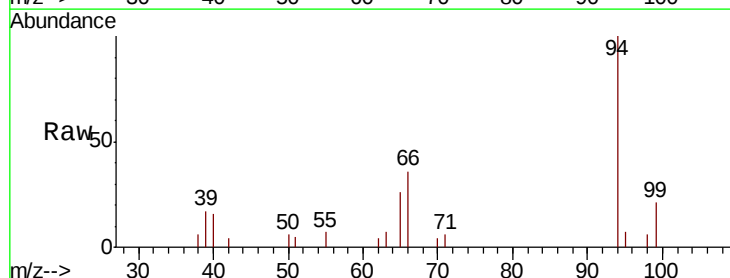
Tgt Ion: 94 Resp: 11763

Ion Ratio Lower Upper

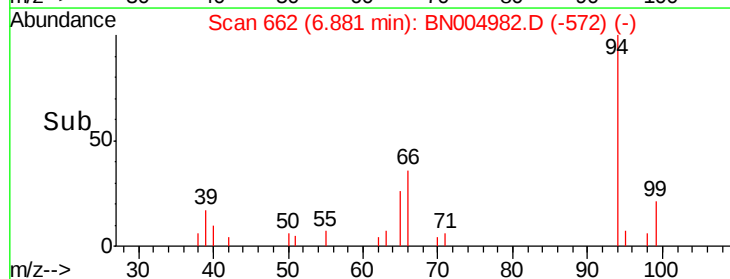
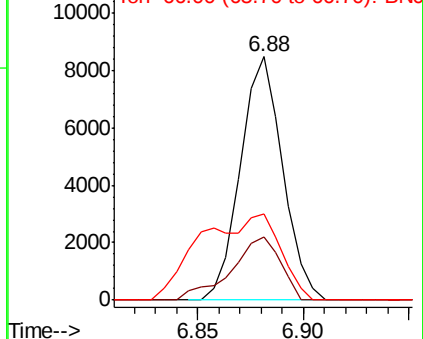
94 100

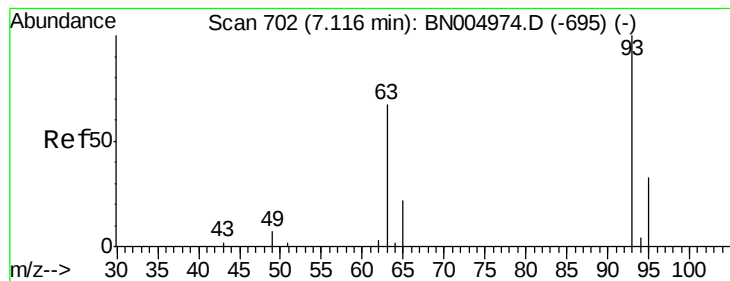
65 26.0 5.7 45.7

66 35.6 14.8 54.8



Abundance Ion 94.00 (93.70 to 94.70): BNC
Ion 65.00 (64.70 to 65.70): BNC
Ion 66.00 (65.70 to 66.70): BNC

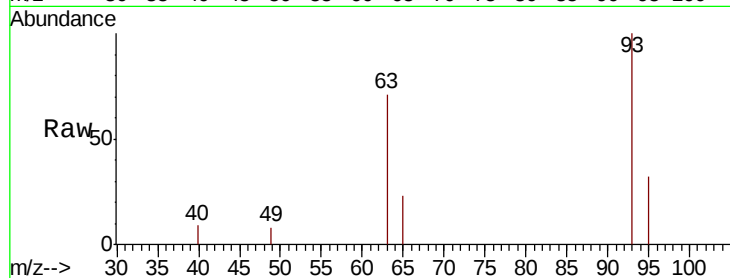




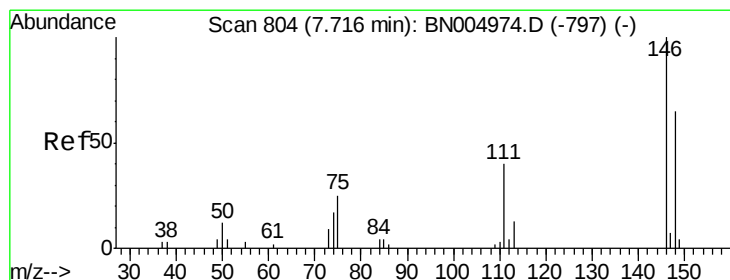
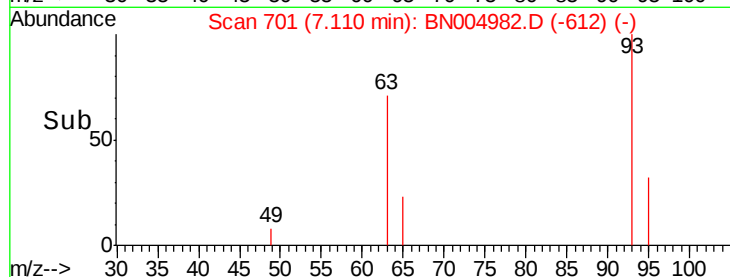
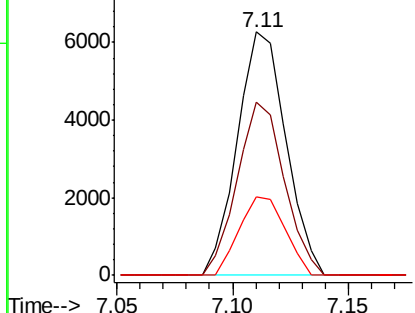
#11
bis(2-Chloroethyl)ether
Concen: 15.931 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 93 Resp: 9228
Ion Ratio Lower Upper
93 100
63 71.1 47.0 87.0
95 32.4 12.7 52.7

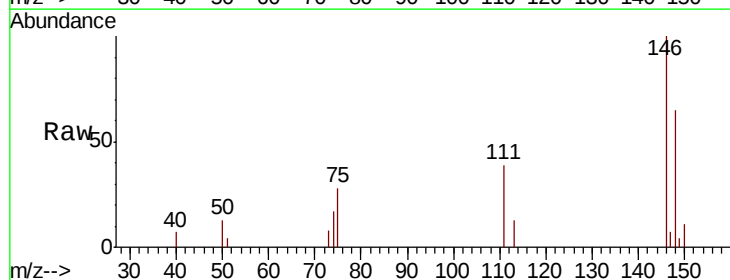


Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0

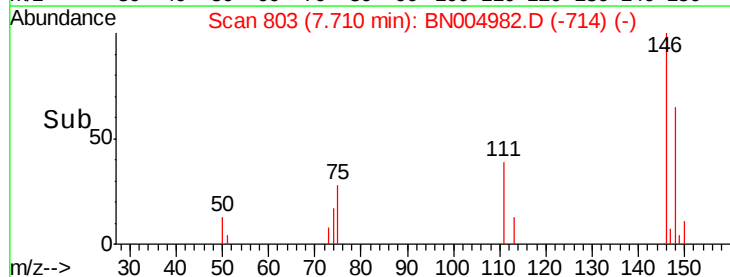
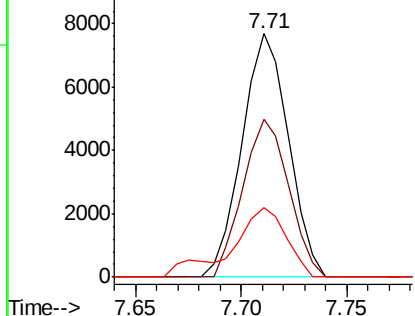


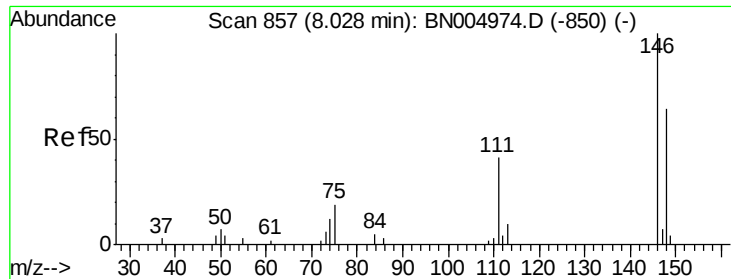
#12
1,3-Dichlorobenzene
Concen: 16.086 ng
RT: 7.71 min Scan# 803
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion: 146 Resp: 11726
Ion Ratio Lower Upper
146 100
148 64.9 52.0 78.0
75 28.3 22.0 33.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BN0

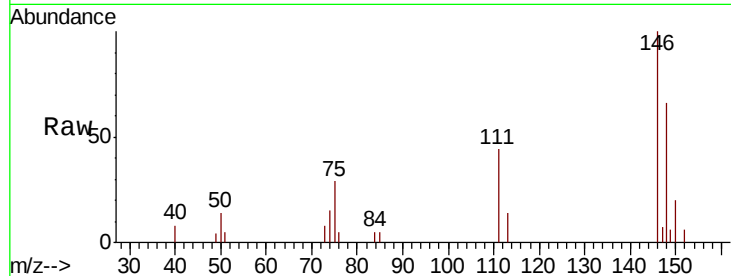




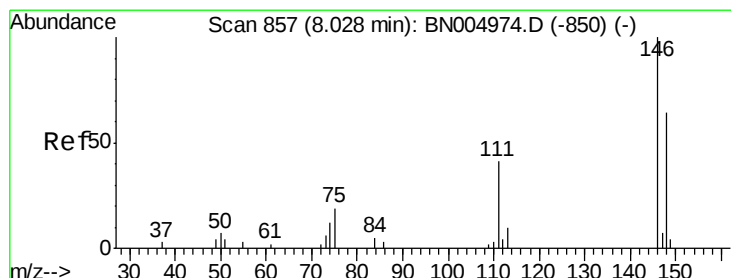
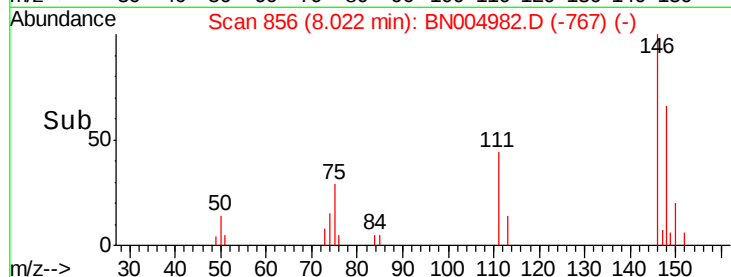
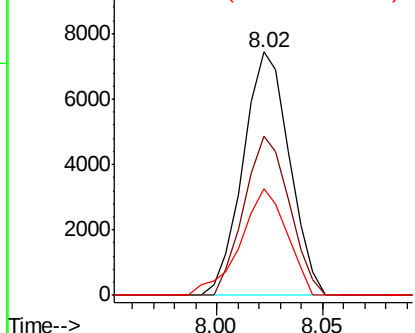
#13
 1,4-Dichlorobenzene
 Concen: 15.384 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:146 Resp: 11351
 Ion Ratio Lower Upper
 146 100
 148 65.6 51.4 77.2
 111 43.6 32.6 49.0

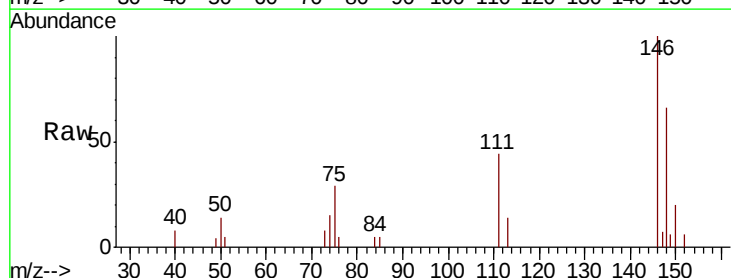


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

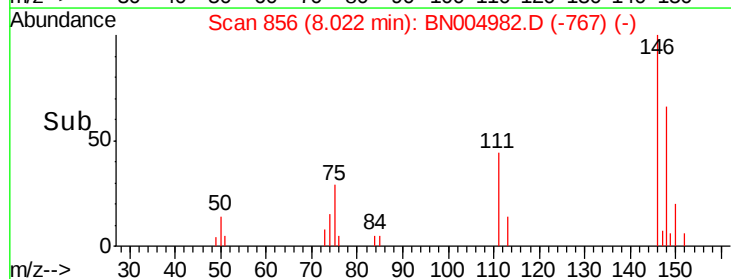
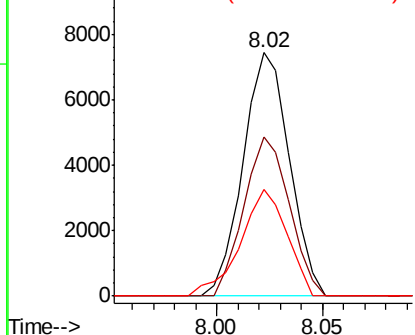


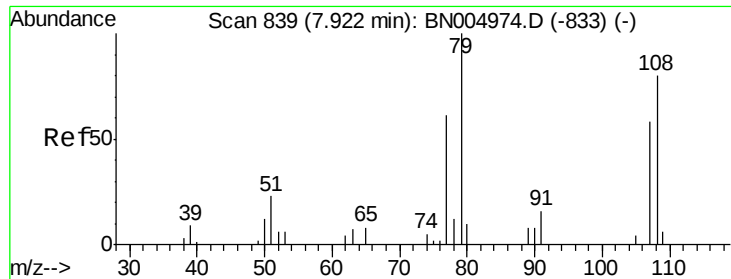
#14
 1,2-Dichlorobenzene
 Concen: 16.075 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:146 Resp: 11351
 Ion Ratio Lower Upper
 146 100
 148 65.6 51.4 77.2
 111 43.6 32.6 49.0



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 15.400 ng

RT: 7.92 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

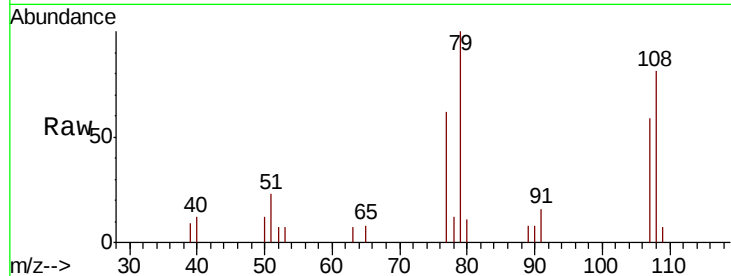
Tgt Ion: 79 Resp: 8190

Ion Ratio Lower Upper

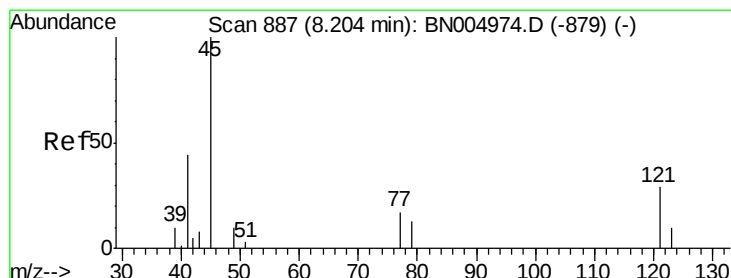
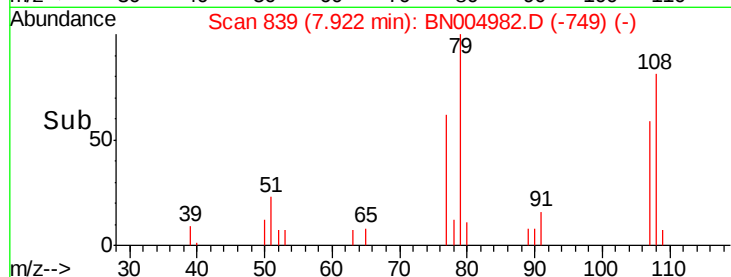
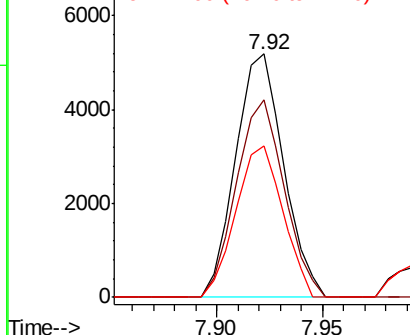
79 100

108 81.4 64.0 96.0

77 62.2 48.8 73.2



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 108.00 (107.70 to 108.70): BNC
Ion 77.00 (76.70 to 77.70): BNC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 16.410 ng

RT: 8.20 min Scan# 887

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

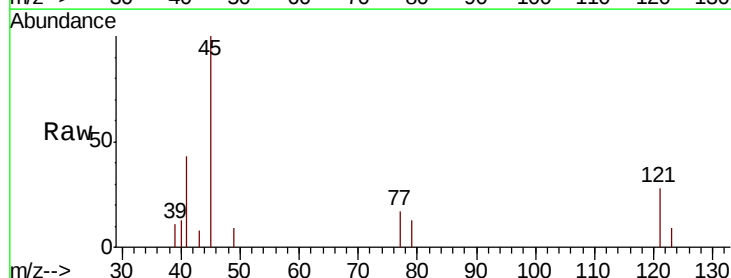
Tgt Ion: 45 Resp: 11468

Ion Ratio Lower Upper

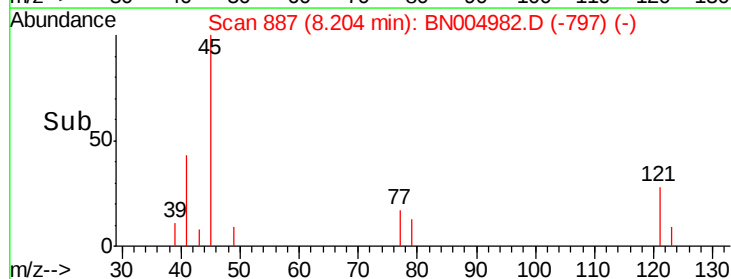
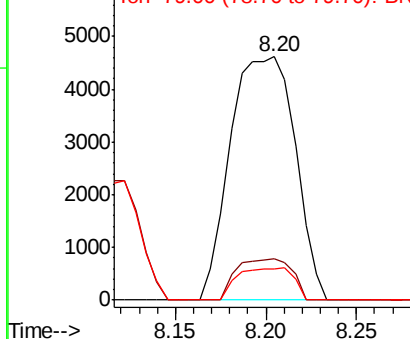
45 100

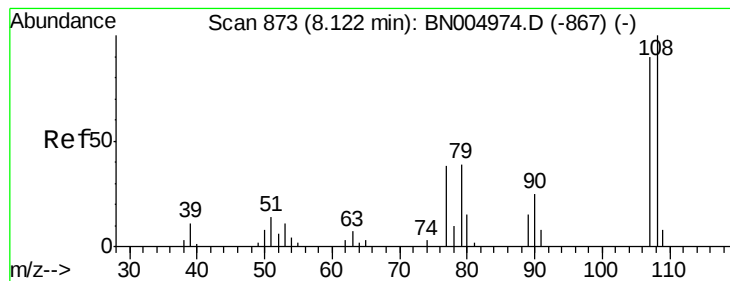
77 16.9 0.0 36.9

79 13.0 0.0 33.3



Abundance Ion 45.00 (44.70 to 45.70): BNC
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

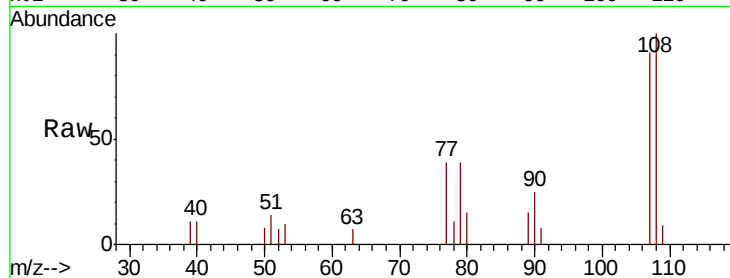




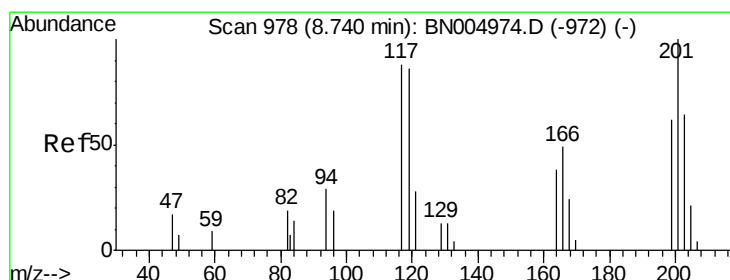
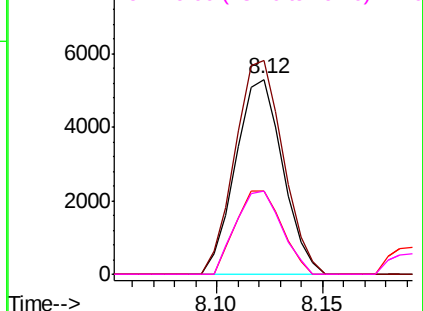
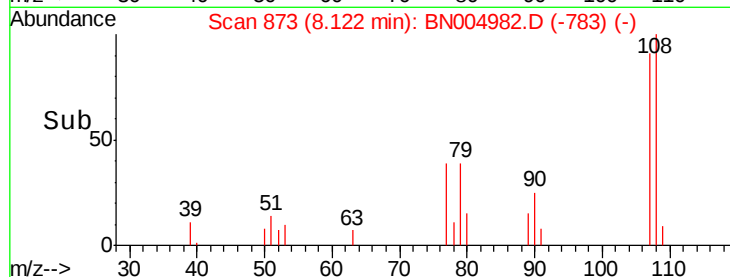
#17
2-Methylphenol
Concen: 15.778 ng
RT: 8.12 min Scan# 873
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:107 Resp: 8239
Ion Ratio Lower Upper
107 100
108 109.5 88.8 133.2
77 42.8 34.2 51.2
79 42.7 34.8 52.2

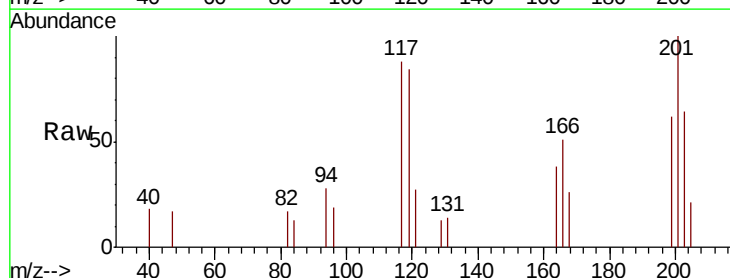


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 79.00 (78.70 to 79.70): BNC

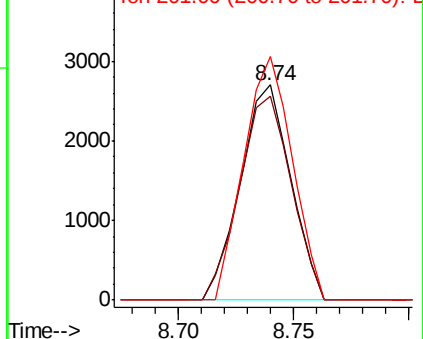
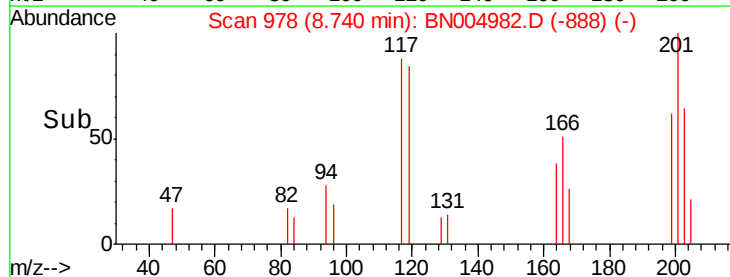


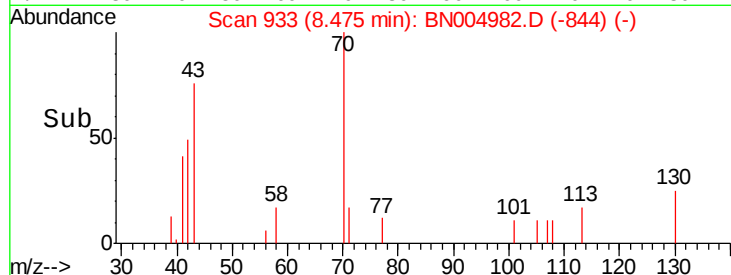
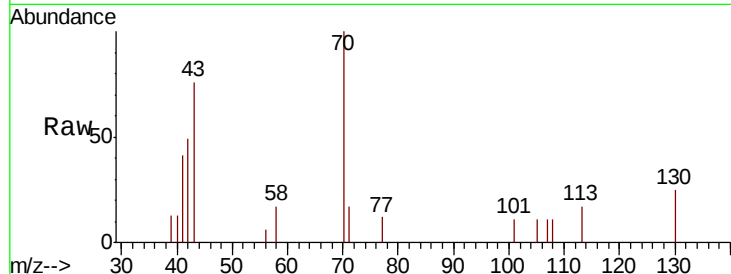
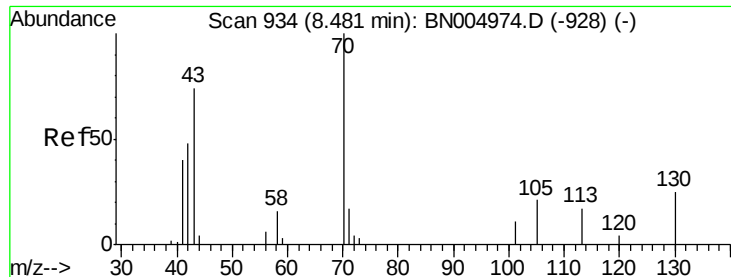
#18
Hexachloroethane
Concen: 15.708 ng
RT: 8.74 min Scan# 978
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:117 Resp: 4108
Ion Ratio Lower Upper
117 100
119 95.0 77.5 116.3
201 113.2 90.5 135.7



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

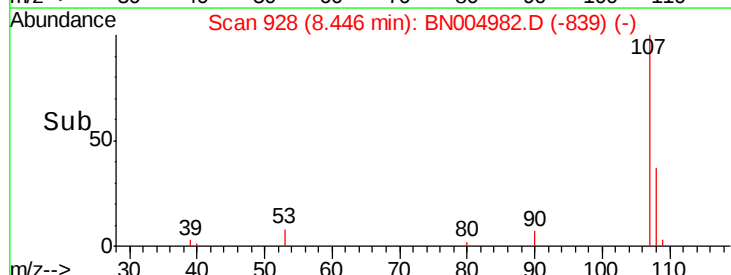
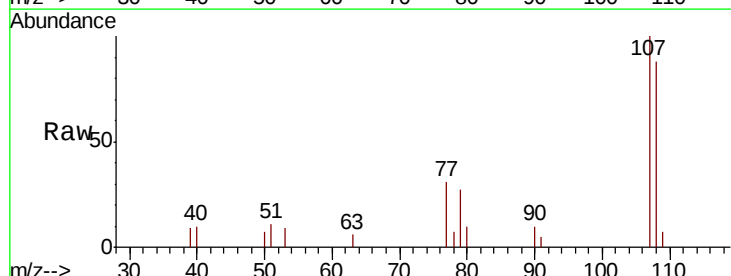
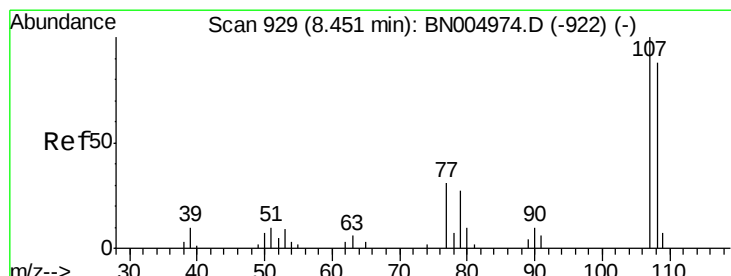
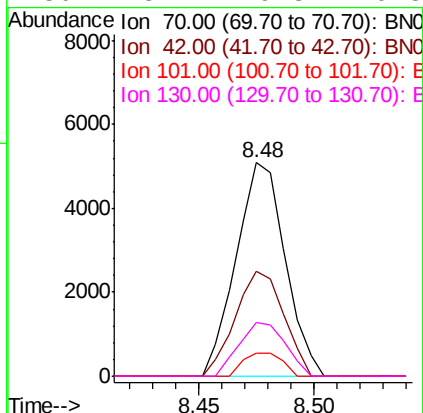




#19
n-Nitroso-di-n-propylamine
Concen: 16.434 ng
RT: 8.48 min Scan# 933
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

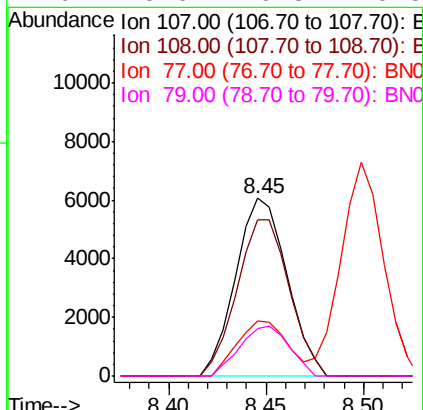
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

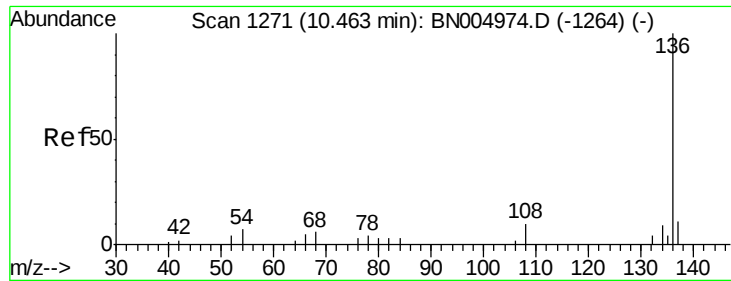
Tgt Ion:	70	Resp:	7531
Ion	Ratio	Lower	Upper
70	100		
42	48.9	38.4	57.6
101	10.6	8.8	13.2
130	25.4	19.8	29.8



#20
3+4-Methylphenols
Concen: 15.570 ng
RT: 8.45 min Scan# 928
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:	107	Resp:	11039
Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.9	107.9
77	30.7	10.6	50.6
79	26.6	6.8	46.8

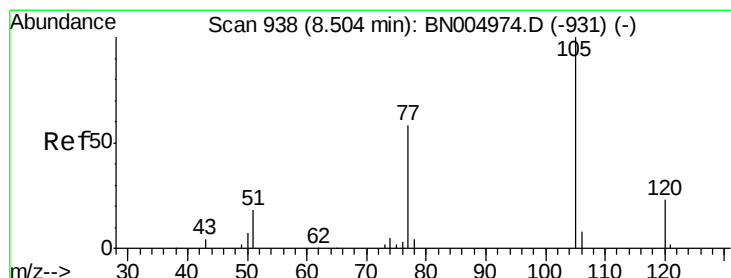
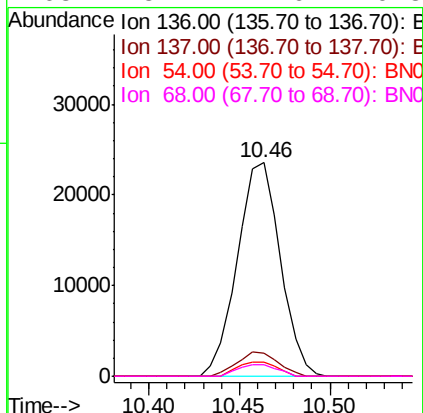
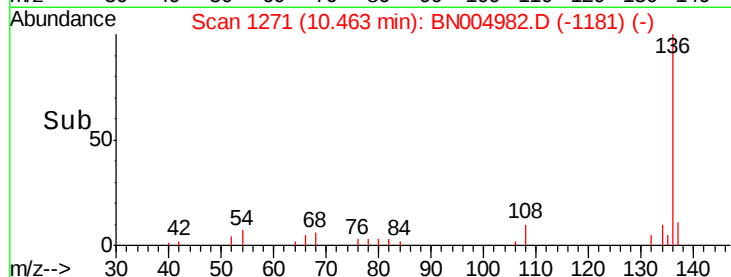
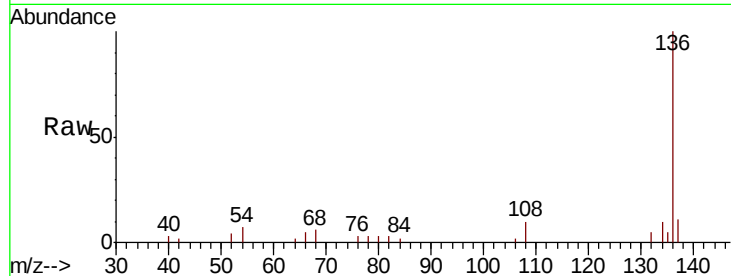




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

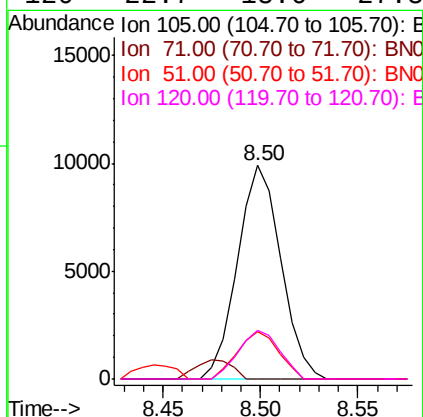
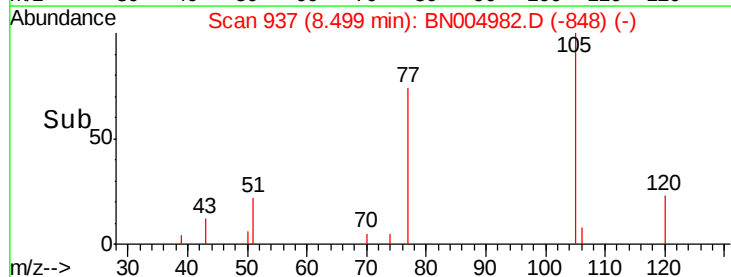
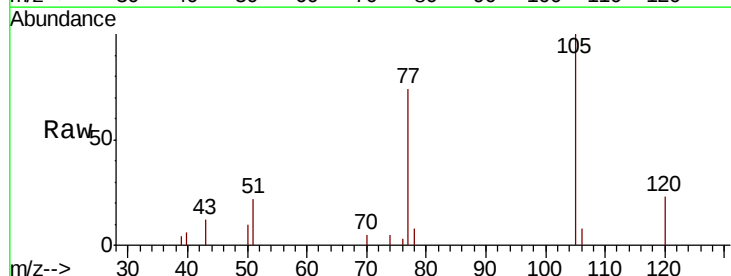
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

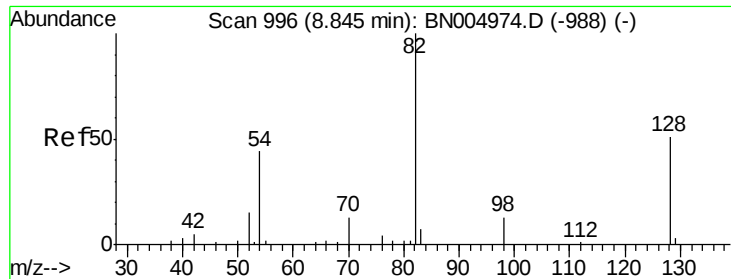
Tgt Ion:	136	Resp:	38929
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.8	5.3	7.9
68	5.7	4.6	6.8



#22
Acetophenone
Concen: 17.117 ng
RT: 8.50 min Scan# 937
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:	105	Resp:	15211
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	0.0
51	22.0	17.8	26.8
120	22.7	18.6	27.8

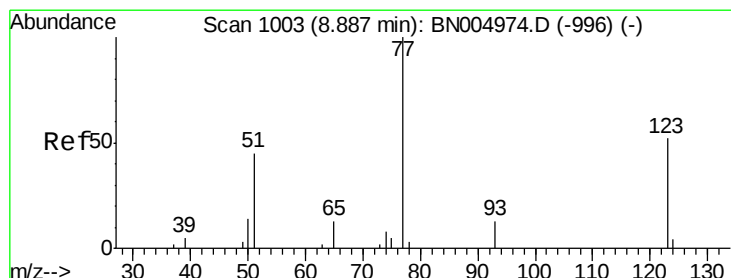
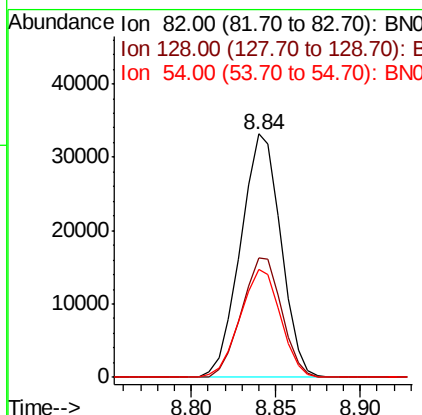
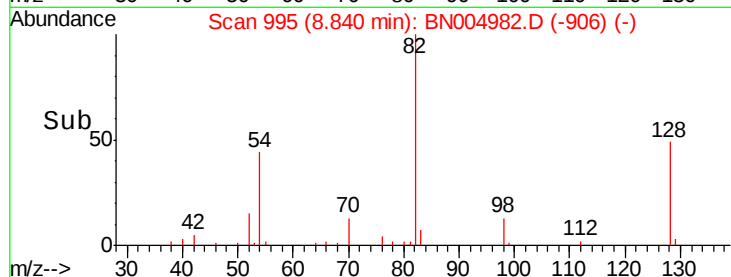
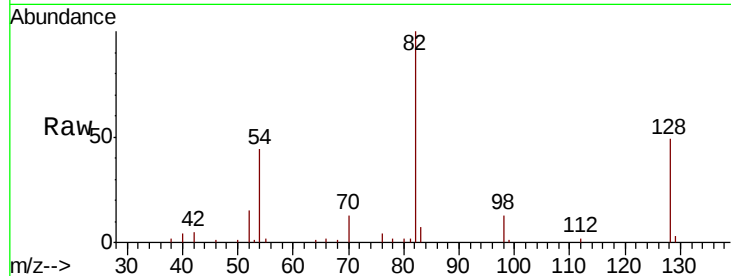




#23
 Nitrobenzene-d5
 Concen: 85.649 ng
 RT: 8.84 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

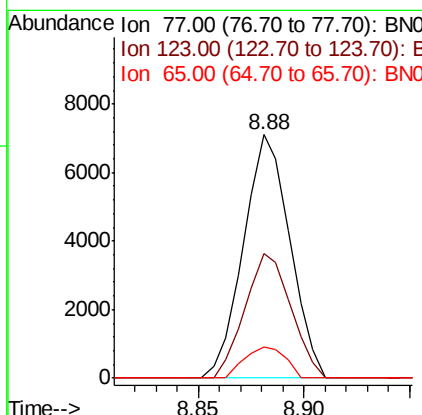
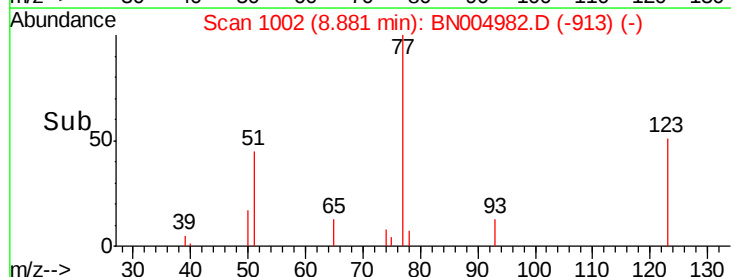
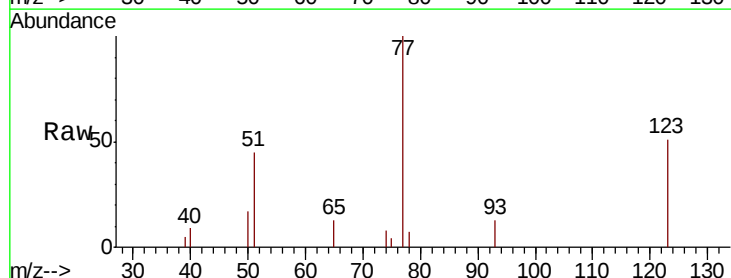
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

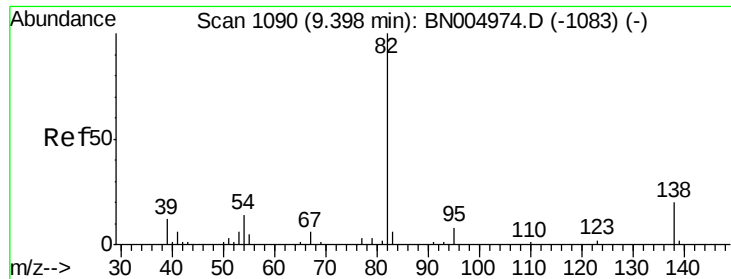
Tgt Ion: 82 Resp: 55119
 Ion Ratio Lower Upper
 82 100
 128 48.9 40.6 60.8
 54 44.1 35.2 52.8



#24
 Nitrobenzene
 Concen: 16.664 ng
 RT: 8.88 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion: 77 Resp: 10853
 Ion Ratio Lower Upper
 77 100
 123 51.0 41.3 61.9
 65 13.0 10.3 15.5





#25

Isophorone

Concen: 17.016 ng

RT: 9.39 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

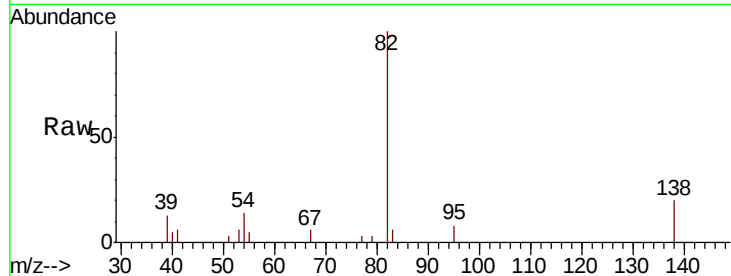
Tgt Ion: 82 Resp: 21333

Ion Ratio Lower Upper

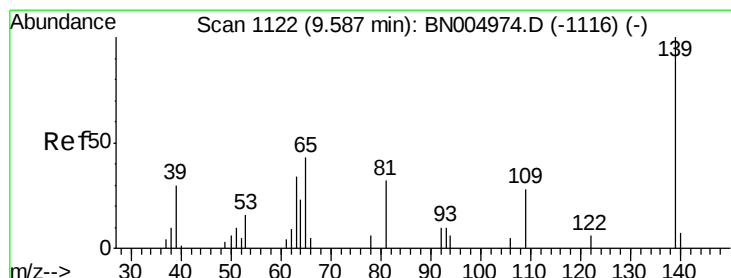
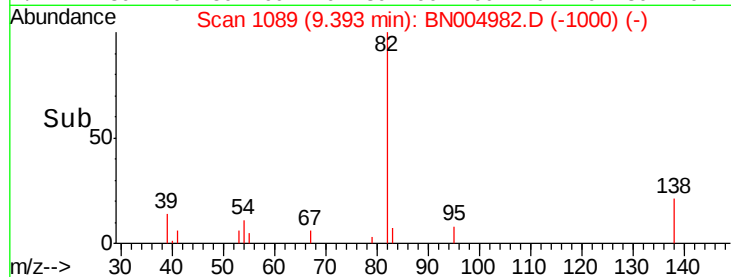
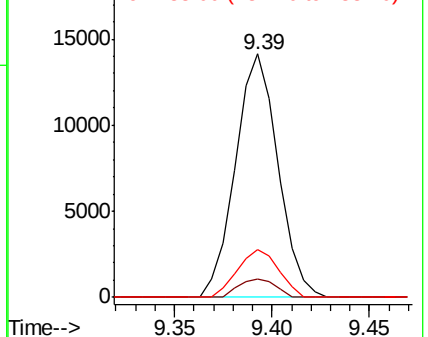
82 100

95 7.7 6.1 9.1

138 19.6 16.2 24.2



Abundance Ion 82.00 (81.70 to 82.70): BNO
Ion 95.00 (94.70 to 95.70): BNO
Ion 138.00 (137.70 to 138.70): BNO



#26

2-Nitrophenol

Concen: 16.109 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

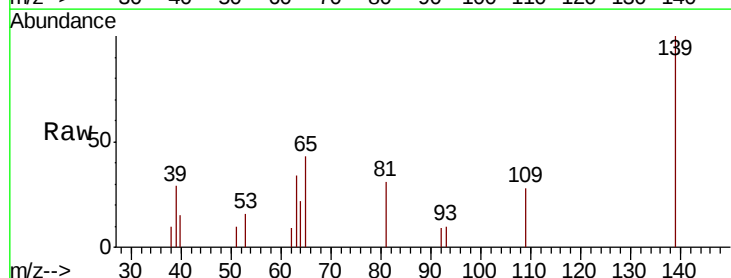
Tgt Ion: 139 Resp: 6092

Ion Ratio Lower Upper

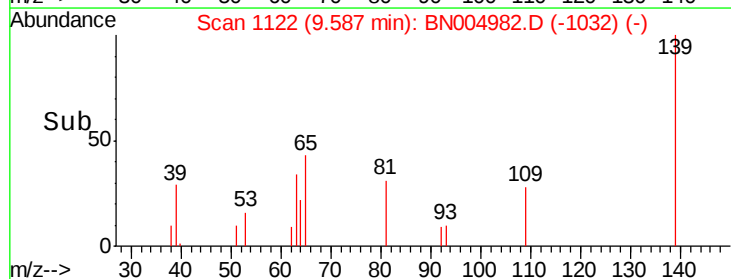
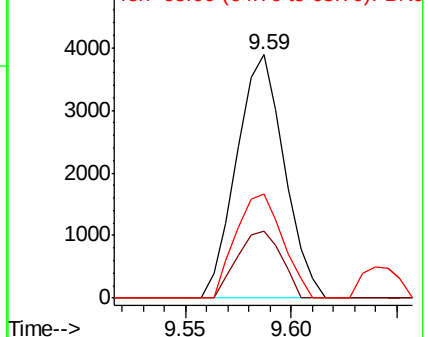
139 100

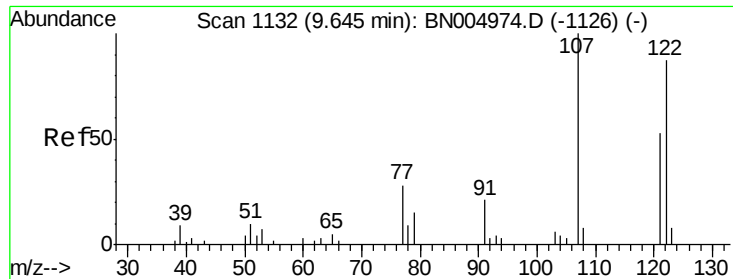
109 27.6 22.5 33.7

65 42.6 34.2 51.4



Abundance Ion 139.00 (138.70 to 139.70): BNO
Ion 109.00 (108.70 to 109.70): BNO
Ion 65.00 (64.70 to 65.70): BNO

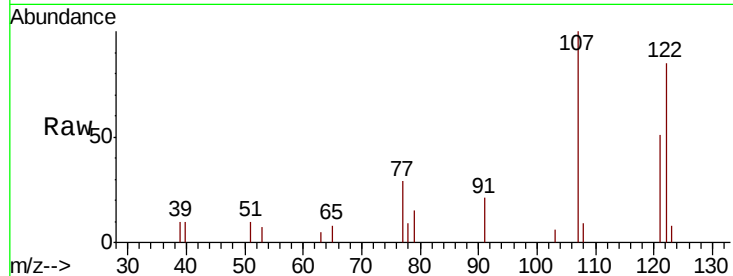




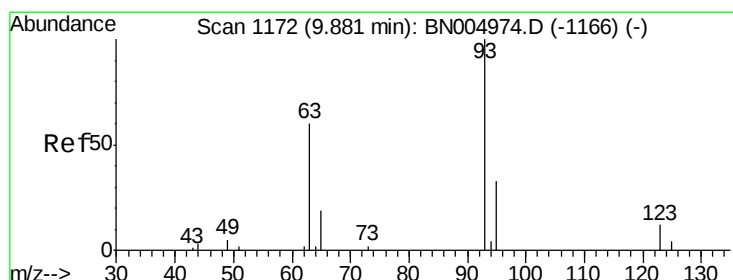
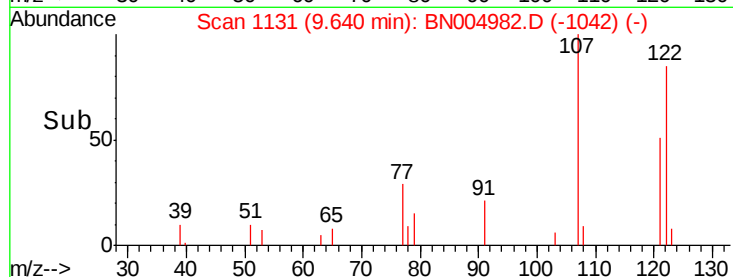
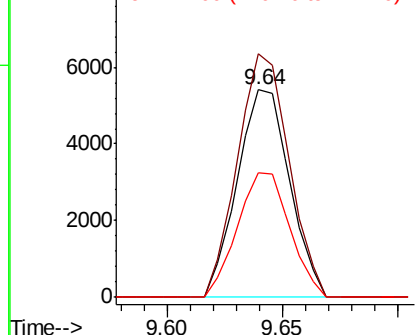
#27
2,4-Dimethylphenol
Concen: 16.220 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:122 Resp: 8540
Ion Ratio Lower Upper
122 100
107 117.3 91.6 137.4
121 60.1 48.2 72.2

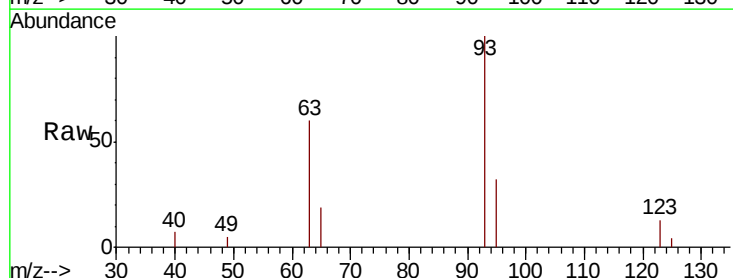


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

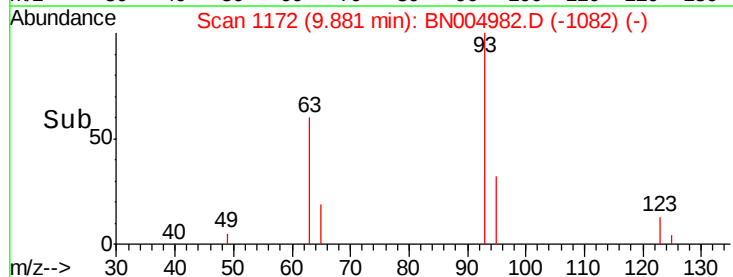
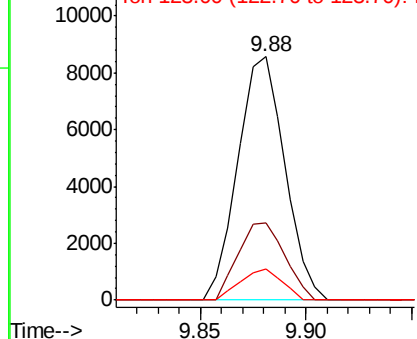


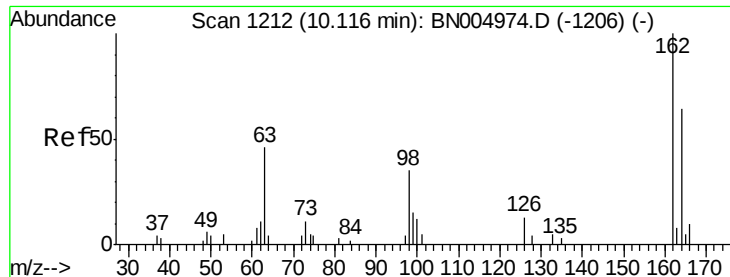
#28
bis(2-Chloroethoxy)methane
Concen: 17.026 ng
RT: 9.88 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion: 93 Resp: 13225
Ion Ratio Lower Upper
93 100
95 32.0 26.2 39.4
123 12.5 9.8 14.8



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 123.00 (122.70 to 123.70): E

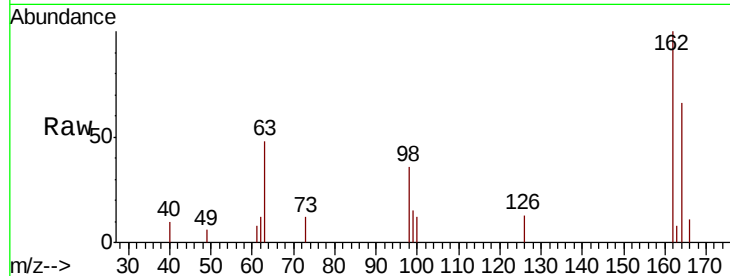




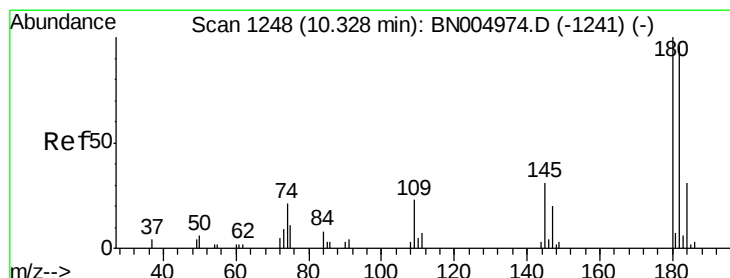
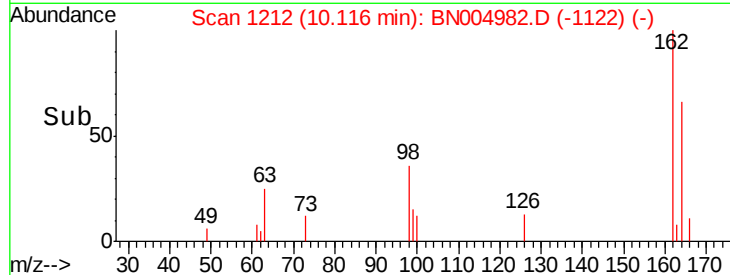
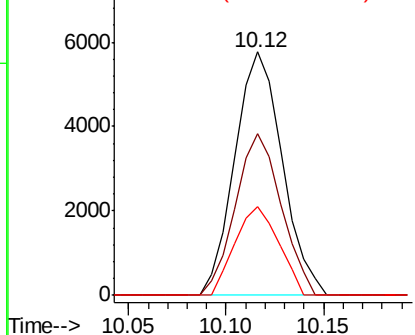
#29
 2,4-Dichlorophenol
 Concen: 16.085 ng
 RT: 10.12 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:162 Resp: 9733
 Ion Ratio Lower Upper
 162 100
 164 66.4 44.3 84.3
 98 36.3 15.3 55.3

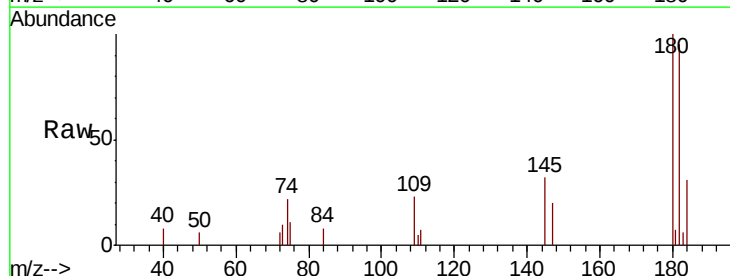


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

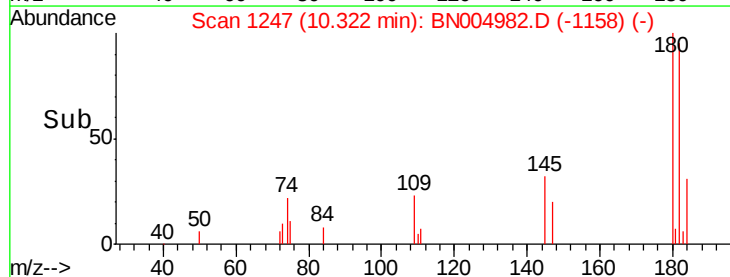
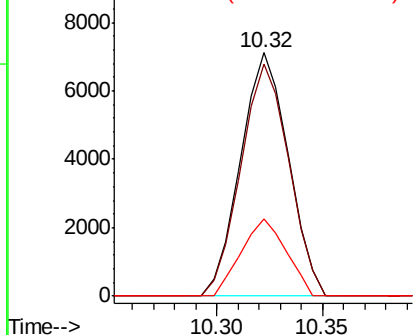


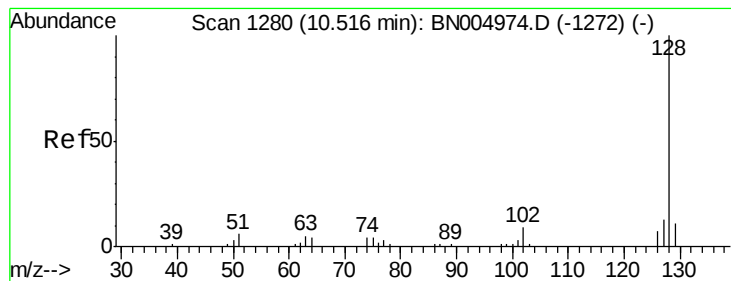
#30
 1,2,4-Trichlorobenzene
 Concen: 16.777 ng
 RT: 10.32 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:180 Resp: 11183
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.6 114.8
 145 31.7 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 17.003 ng

RT: 10.51 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

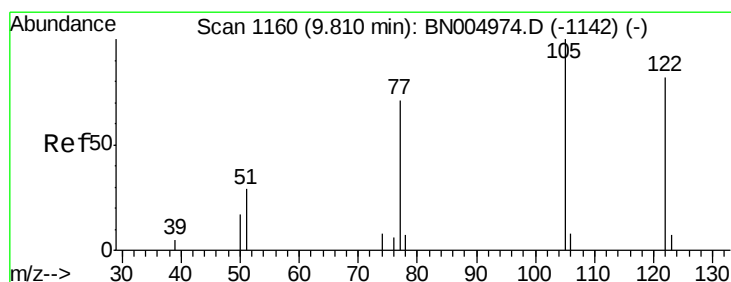
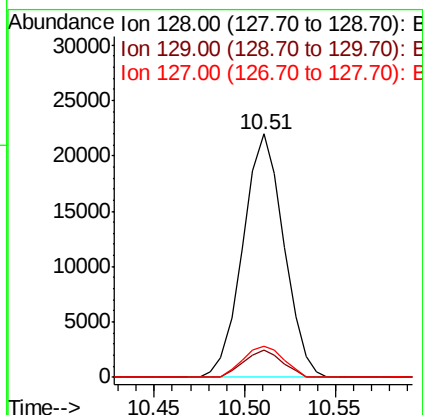
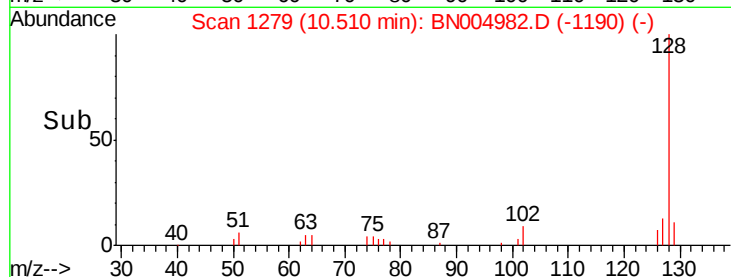
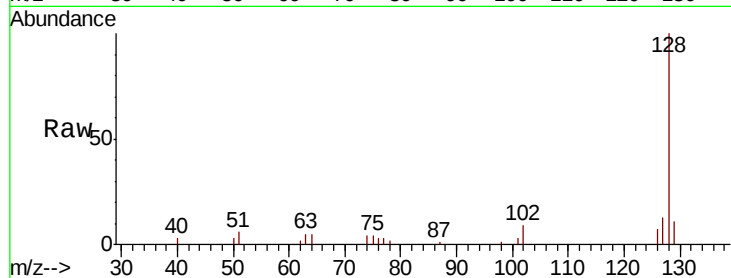
Tgt Ion:128 Resp: 34534

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.0 10.8 16.2



#32

Benzoic acid

Concen: 16.174 ng

RT: 9.76 min Scan# 1152

Delta R.T. -0.05 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

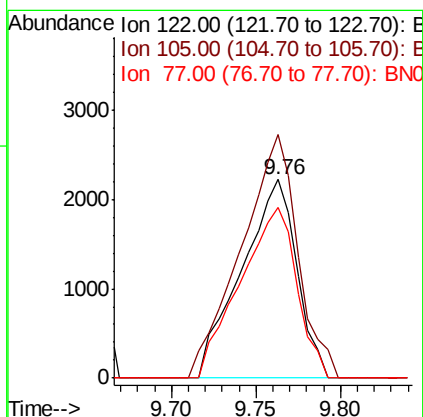
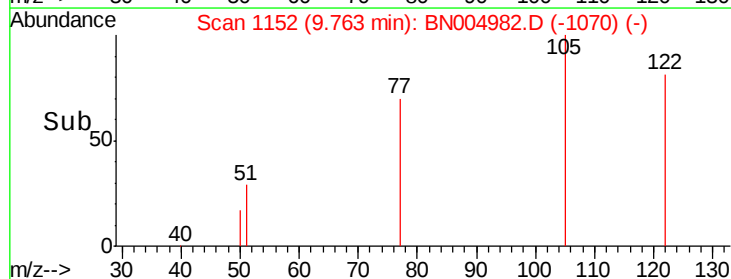
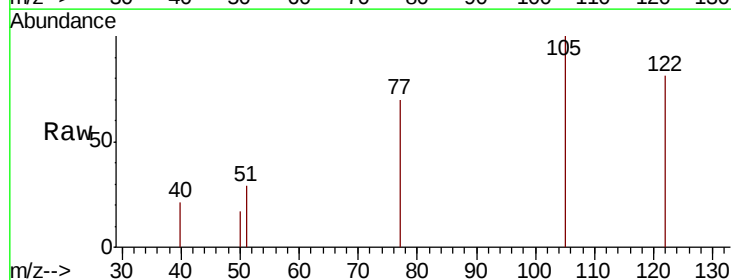
Tgt Ion:122 Resp: 5046

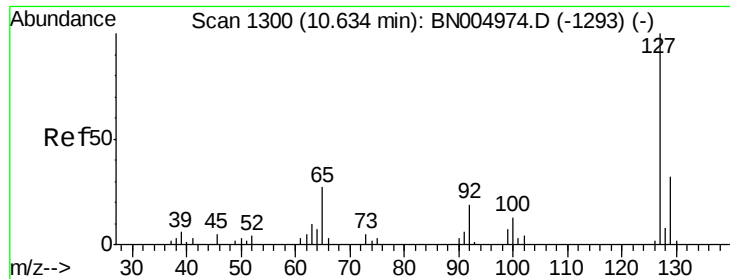
Ion Ratio Lower Upper

122 100

105 122.8 102.4 142.4

77 85.9 67.1 107.1

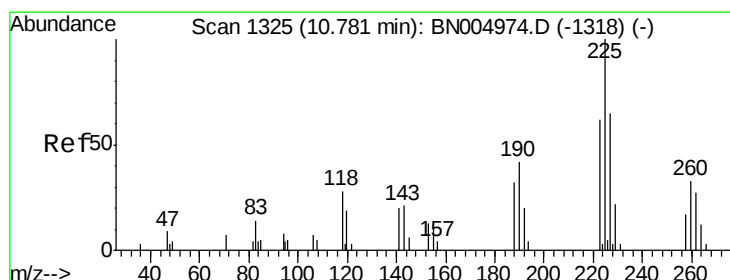
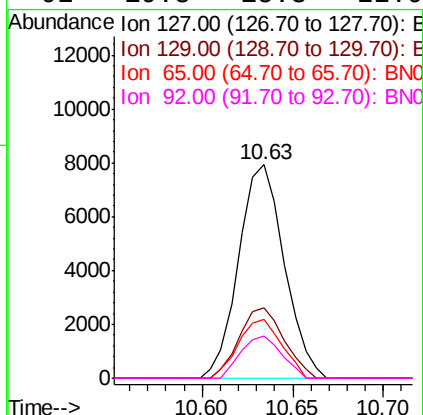
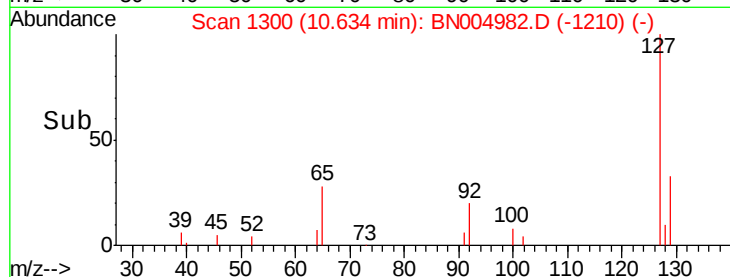
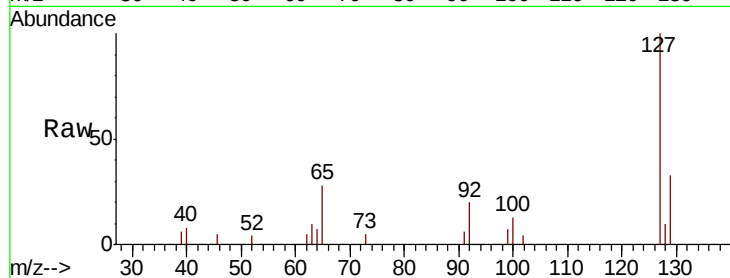




#33
4-Chloroaniline
Concen: 16.803 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

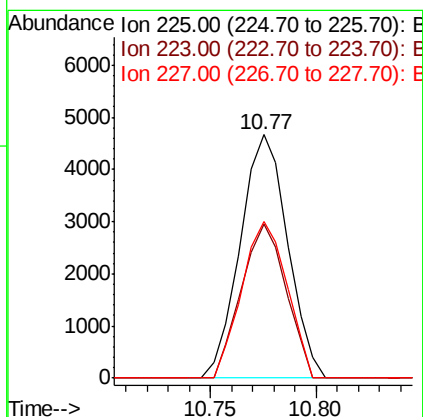
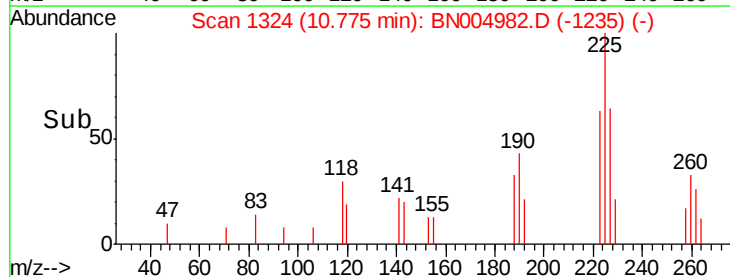
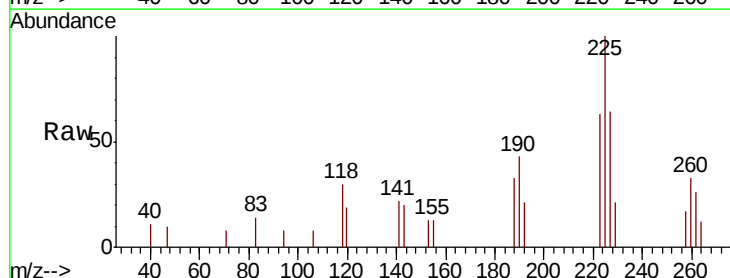
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

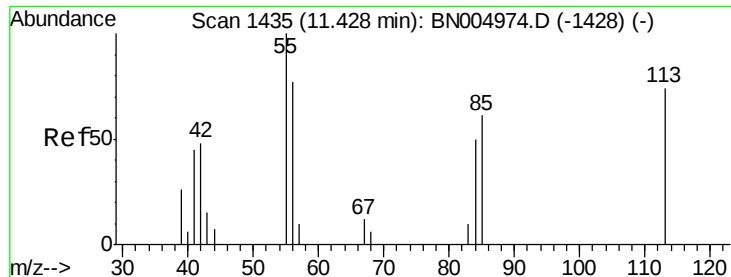
Tgt Ion:	127	Resp:	13885
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	27.6	21.4	32.0
92	19.8	15.3	22.9



#34
Hexachlorobutadiene
Concen: 16.837 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:	225	Resp:	7262
Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.7	74.5
227	64.3	52.0	78.0

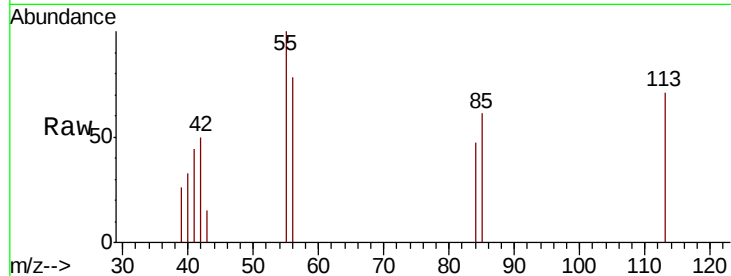




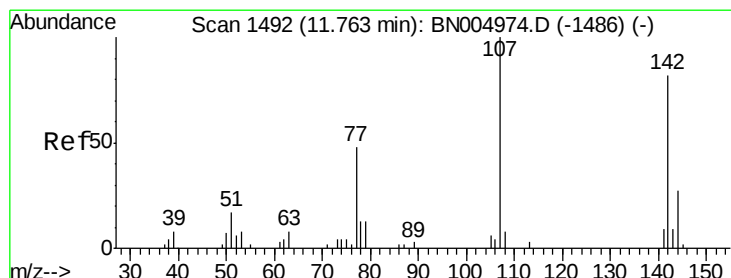
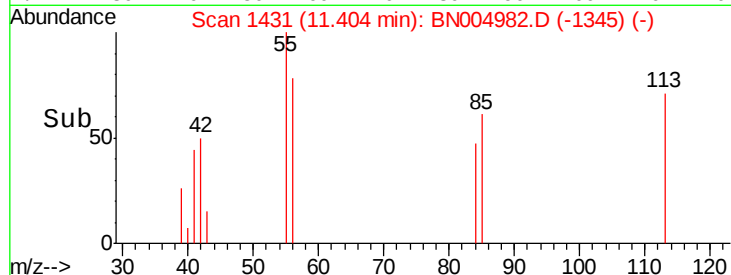
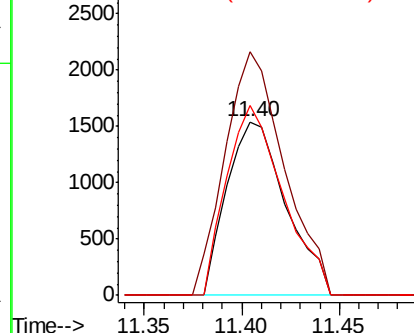
#35
 Caprolactam
 Concen: 16.307 ng
 RT: 11.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:113 Resp: 3231
 Ion Ratio Lower Upper
 113 100
 55 140.3 115.8 155.8
 56 109.4 85.1 125.1

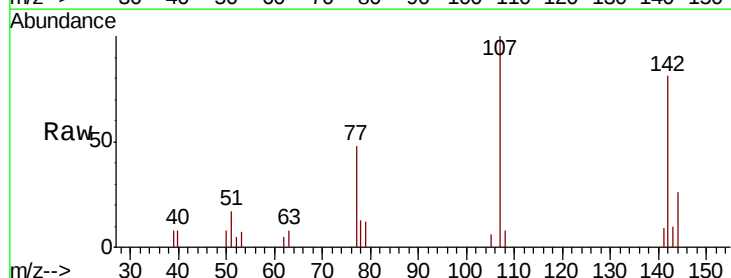


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BNO
 Ion 56.00 (55.70 to 56.70): BNO

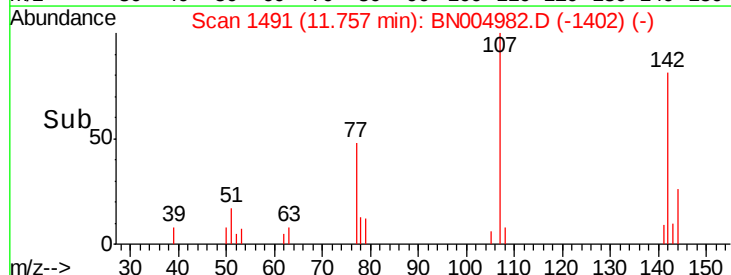
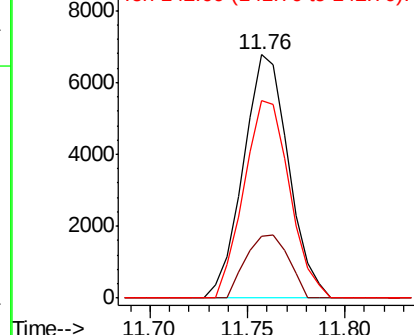


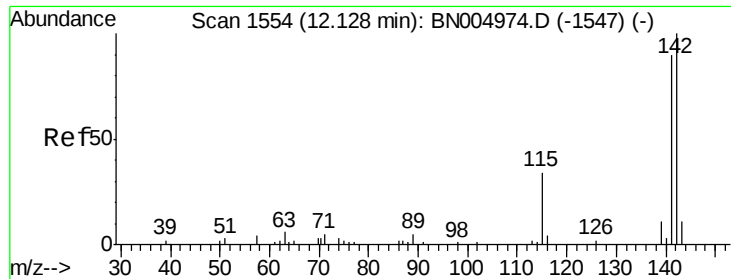
#36
 4-Chloro-3-methylphenol
 Concen: 16.664 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:107 Resp: 10893
 Ion Ratio Lower Upper
 107 100
 144 25.6 21.3 31.9
 142 81.3 65.8 98.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

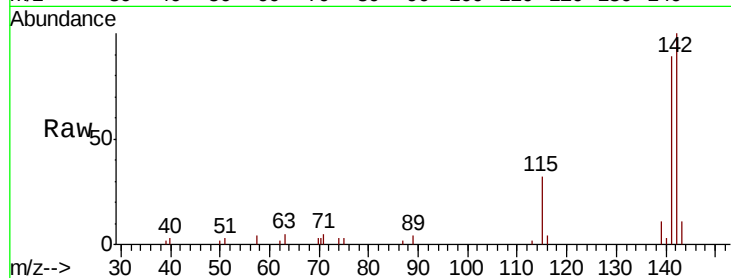




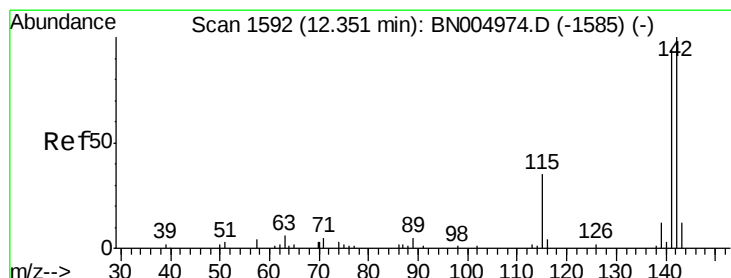
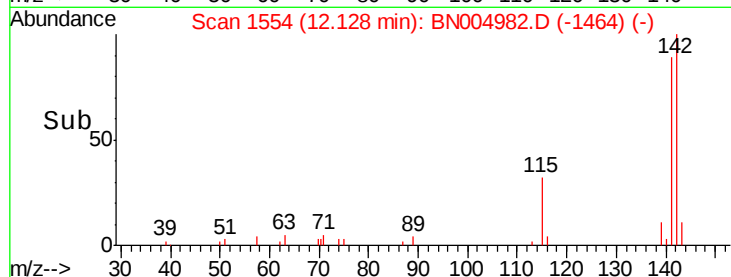
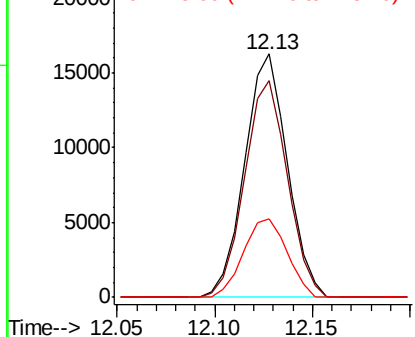
#37
2-Methylnaphthalene
Concen: 17.208 ng
RT: 12.13 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:142 Resp: 24681
Ion Ratio Lower Upper
142 100
141 88.8 71.8 107.8
115 32.3 27.0 40.4

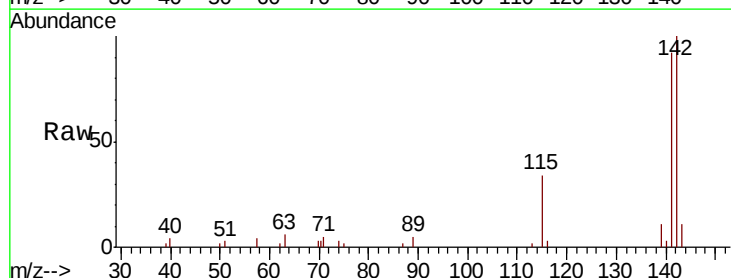


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

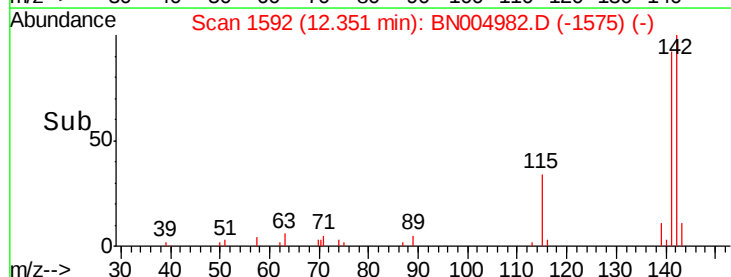
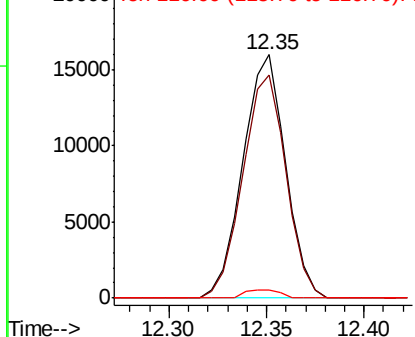


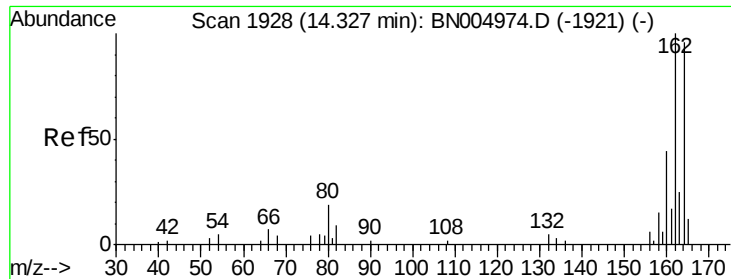
#38
1-Methylnaphthalene
Concen: 17.231 ng
RT: 12.35 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:142 Resp: 24182
Ion Ratio Lower Upper
142 100
141 91.9 74.9 112.3
116 3.5 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

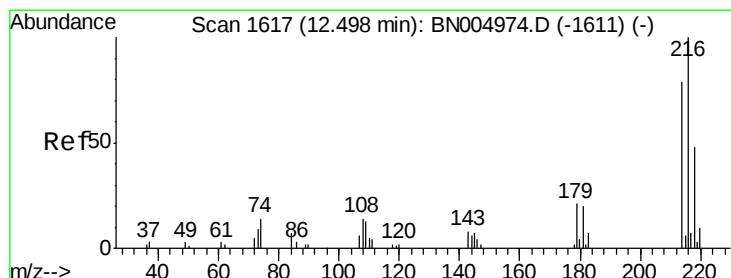
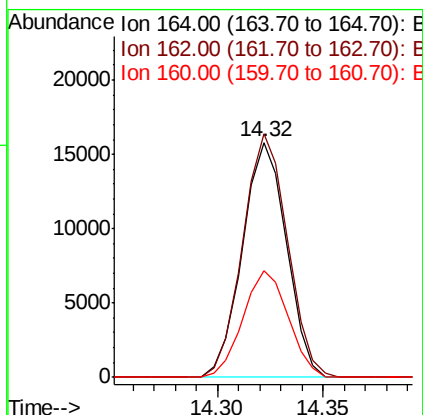
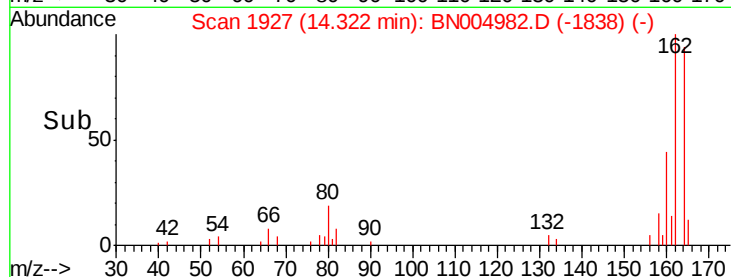
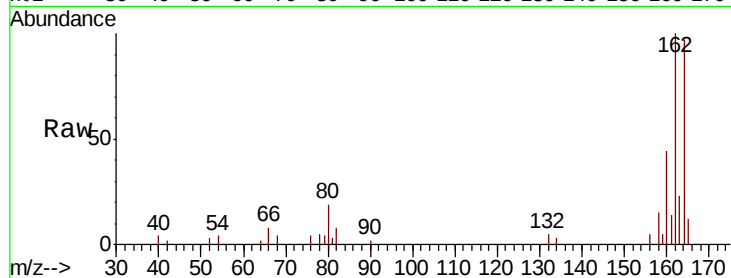
Tgt Ion:164 Resp: 22864

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.0

160 45.2 36.6 55.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 16.413 ng

RT: 12.50 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Tgt Ion:216 Resp: 13310

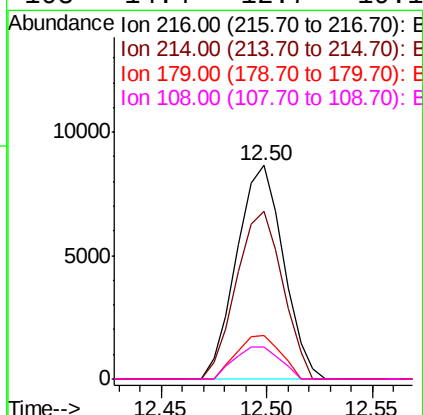
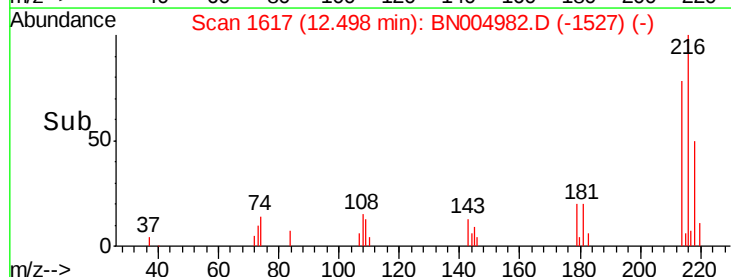
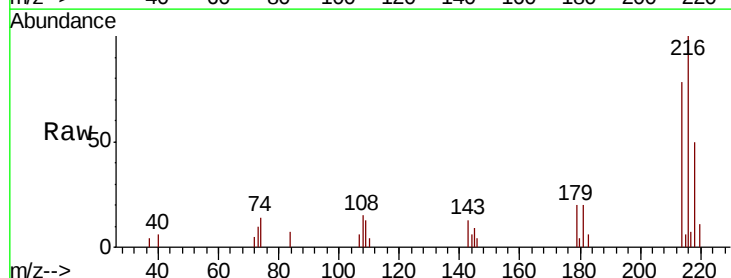
Ion Ratio Lower Upper

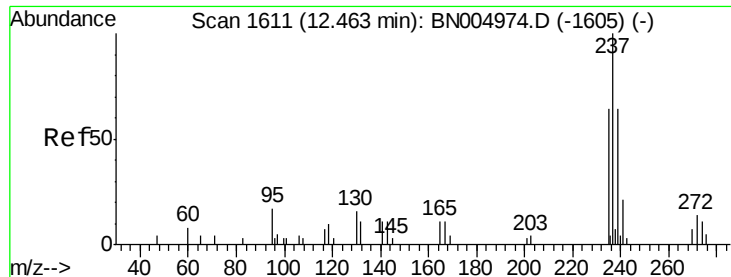
216 100

214 77.6 62.6 94.0

179 19.1 16.4 24.6

108 14.4 12.7 19.1





#41

Hexachlorocyclopentadiene

Concen: 16.080 ng

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

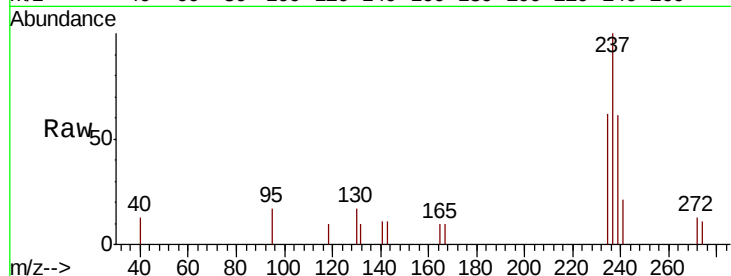
Tgt Ion: 237 Resp: 5635

Ion Ratio Lower Upper

237 100

235 61.8 43.6 83.6

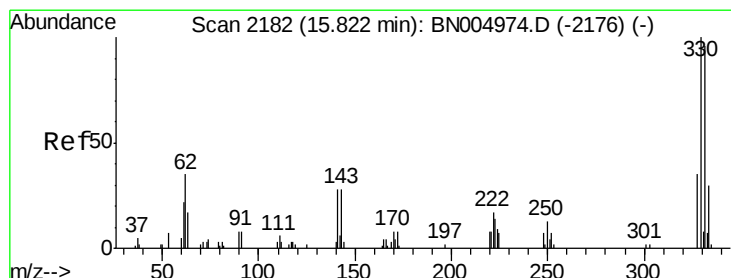
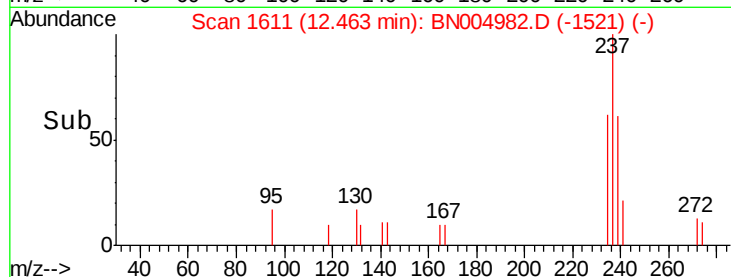
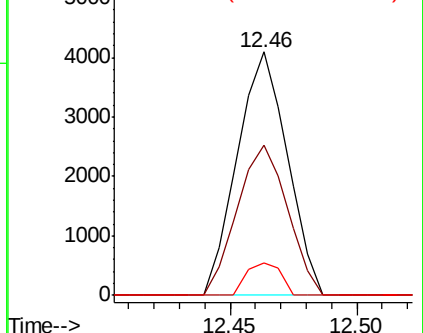
272 13.2 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 143.052 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

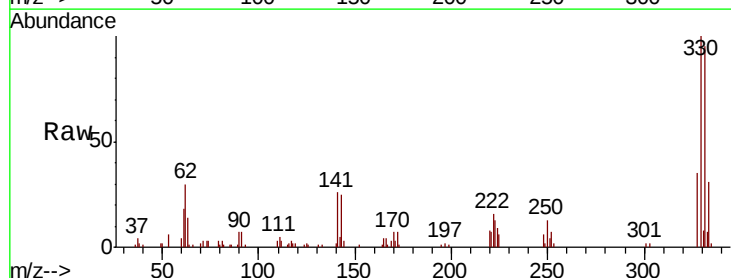
Tgt Ion: 330 Resp: 52751

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

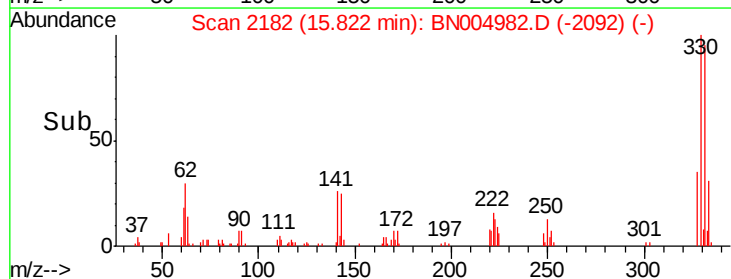
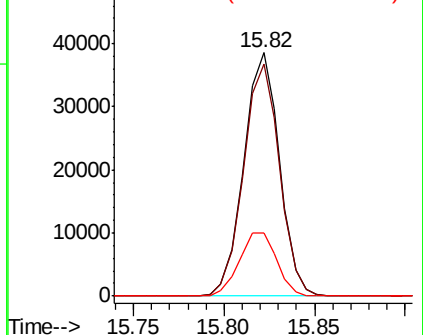
141 27.4 22.1 33.1

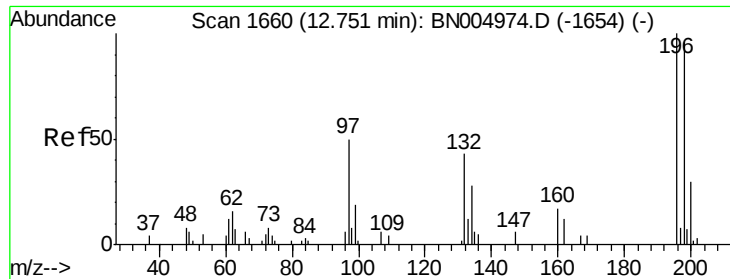


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

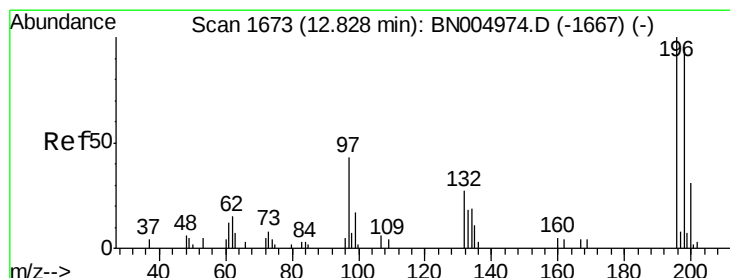
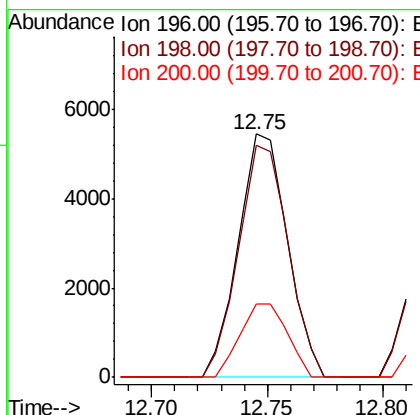
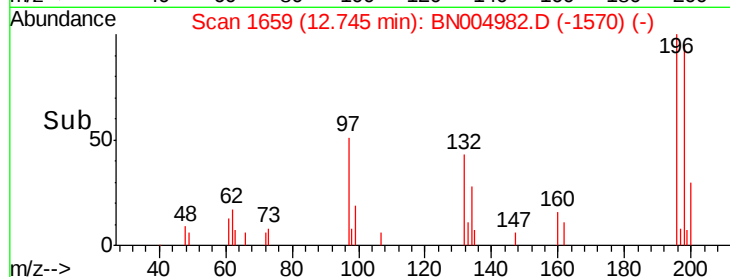
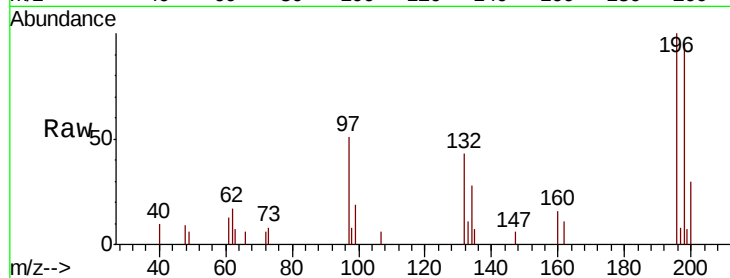




#43
 2,4,6-Trichlorophenol
 Concen: 16.033 ng
 RT: 12.75 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

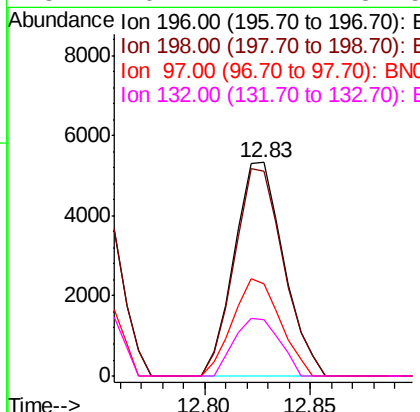
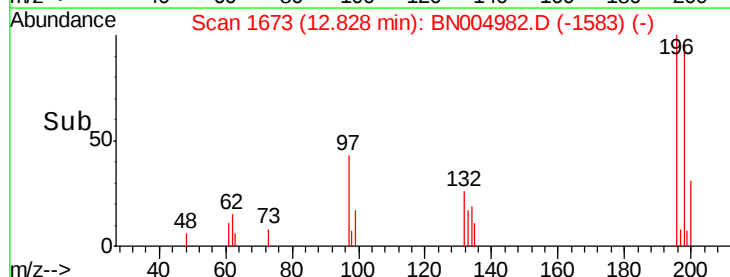
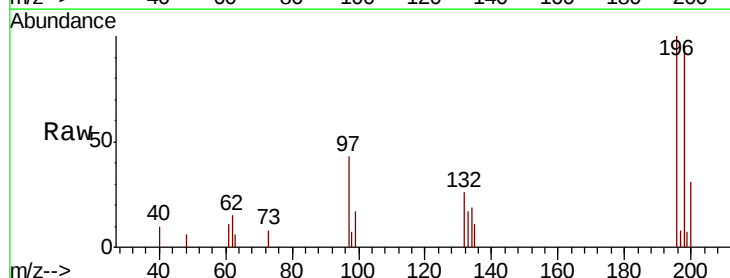
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

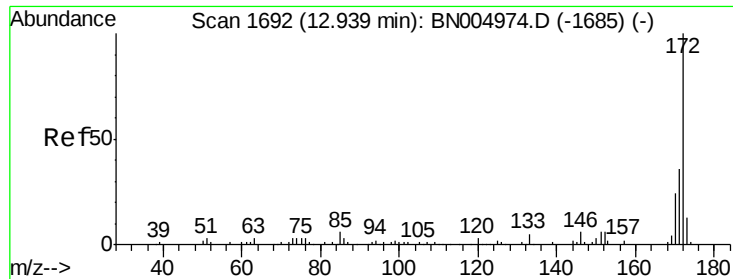
Tgt Ion:196 Resp: 8068
 Ion Ratio Lower Upper
 196 100
 198 95.1 76.5 114.7
 200 30.1 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 15.783 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:196 Resp: 8652
 Ion Ratio Lower Upper
 196 100
 198 95.8 76.1 114.1
 97 43.1 34.8 52.2
 132 26.4 21.7 32.5

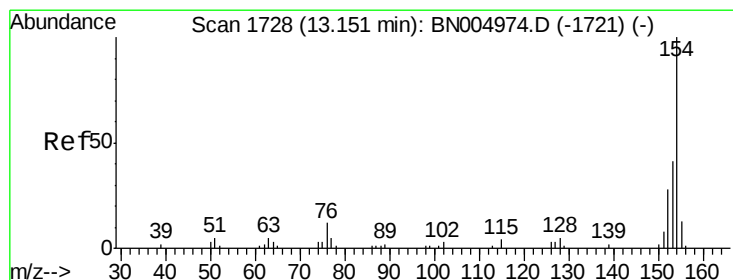
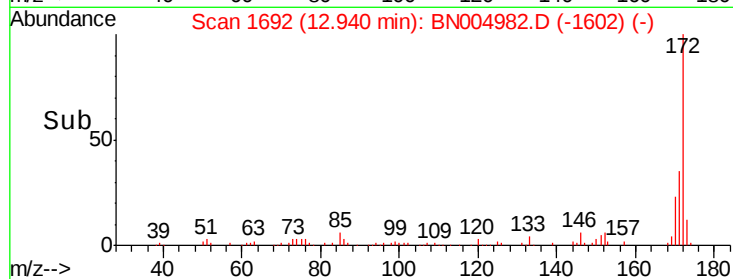
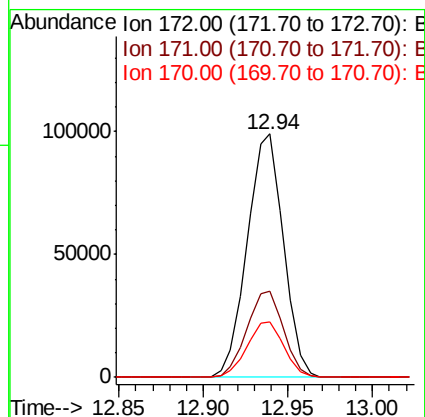
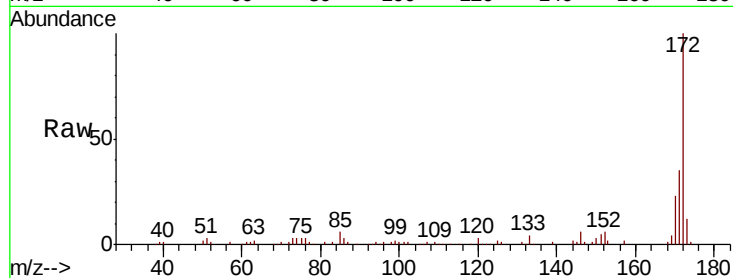




#45
2-Fluorobiphenyl
Concen: 85.566 ng
RT: 12.94 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

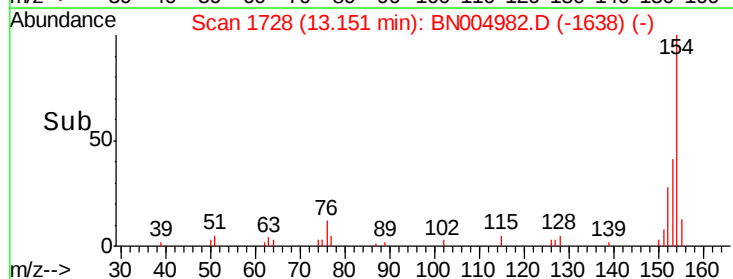
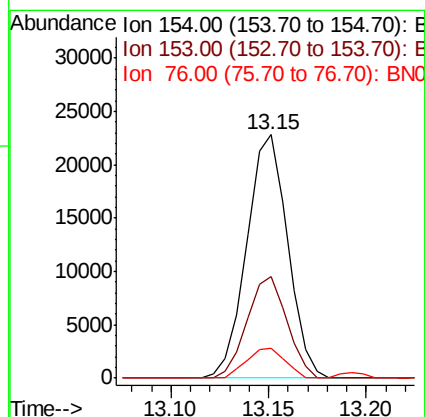
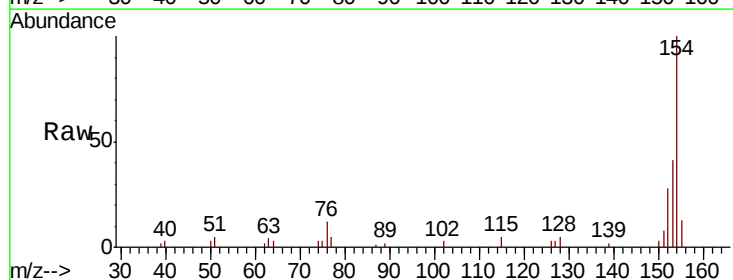
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

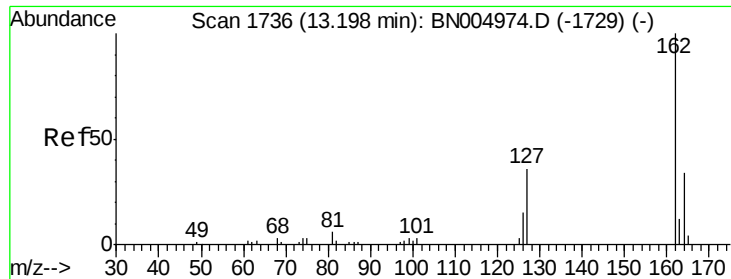
Tgt Ion:172 Resp: 147638
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.0 18.9 28.3



#46
1,1'-Biphenyl
Concen: 17.097 ng
RT: 13.15 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:154 Resp: 33084
Ion Ratio Lower Upper
154 100
153 41.5 21.2 61.2
76 12.1 0.0 32.2

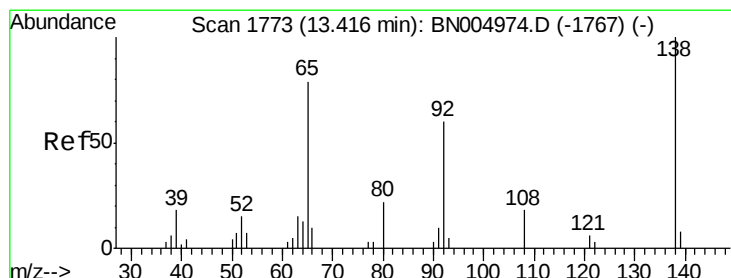
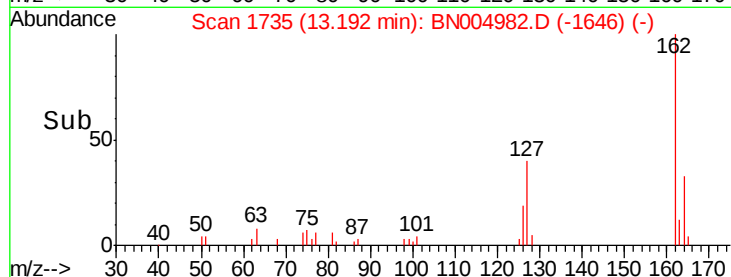
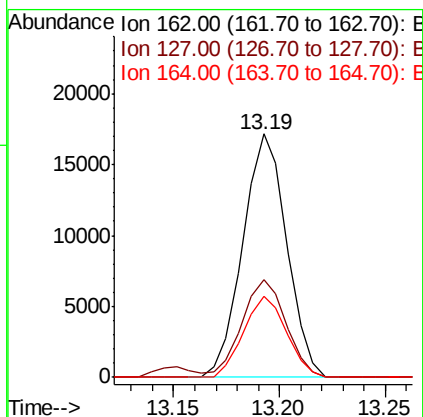
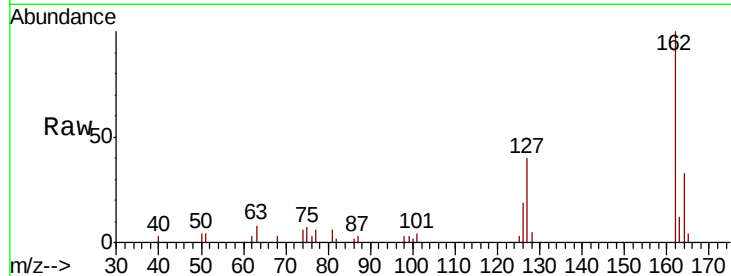




#47
 2-Chloronaphthalene
 Concen: 16.675 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

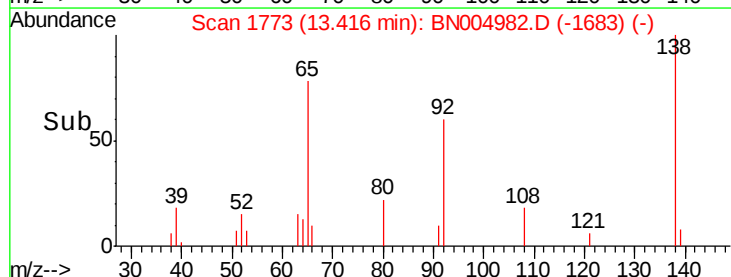
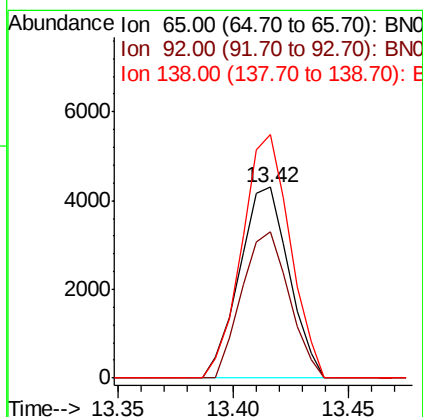
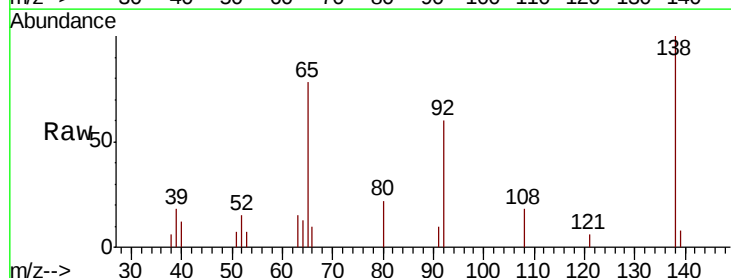
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

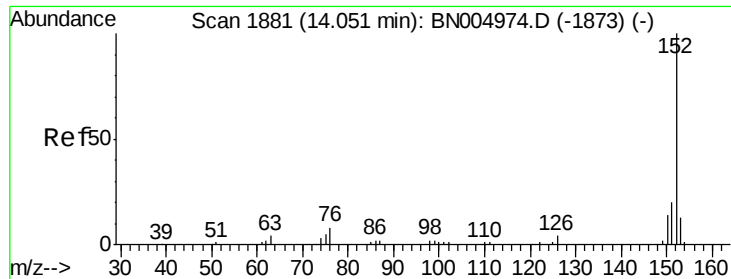
Tgt Ion: 162 Resp: 24762
 Ion Ratio Lower Upper
 162 100
 127 40.2 32.4 48.6
 164 33.3 26.8 40.2



#48
 2-Nitroaniline
 Concen: 16.269 ng
 RT: 13.42 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion: 65 Resp: 6431
 Ion Ratio Lower Upper
 65 100
 92 76.6 60.2 90.4
 138 127.7 101.1 151.7





#49

Acenaphthylene

Concen: 17.040 ng

RT: 14.05 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

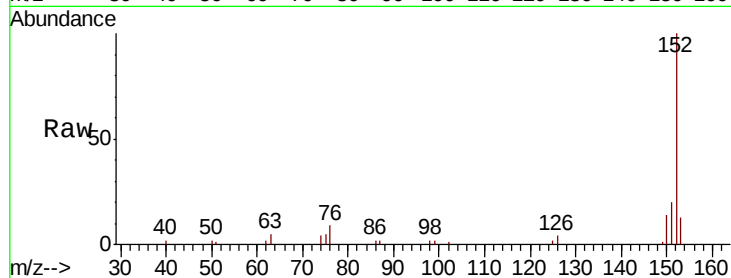
Tgt Ion:152 Resp: 42561

Ion Ratio Lower Upper

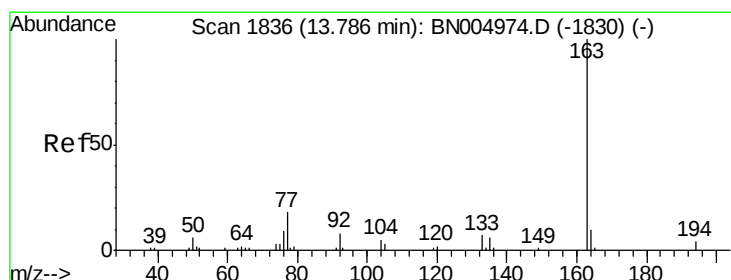
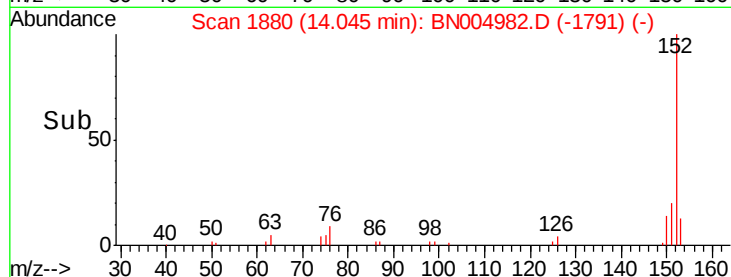
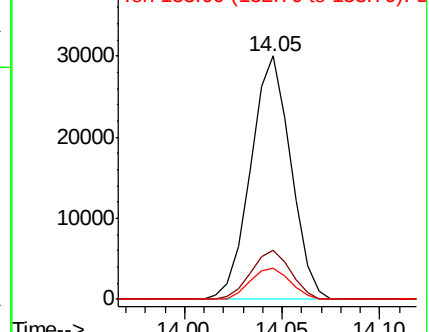
152 100

151 20.4 16.2 24.2

153 12.8 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 17.253 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

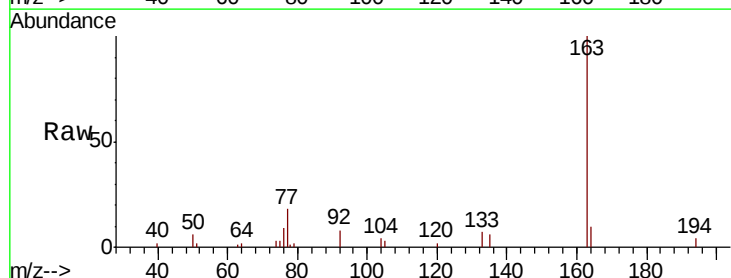
Tgt Ion:163 Resp: 32408

Ion Ratio Lower Upper

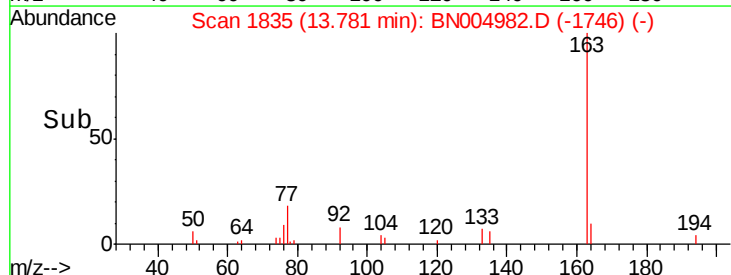
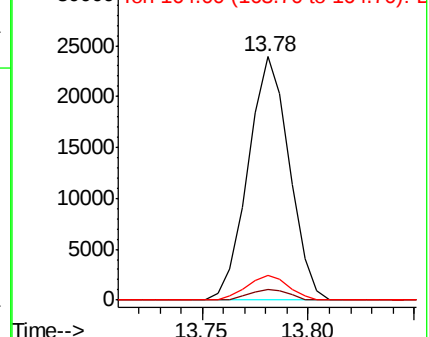
163 100

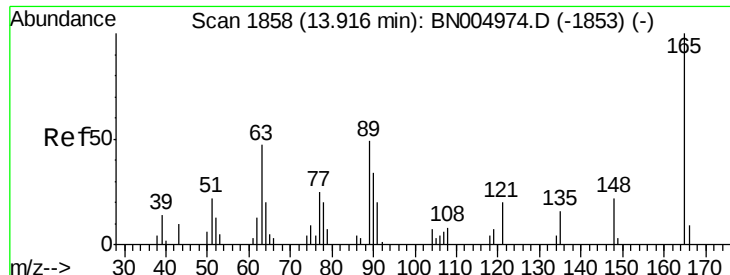
194 4.2 3.4 5.0

164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

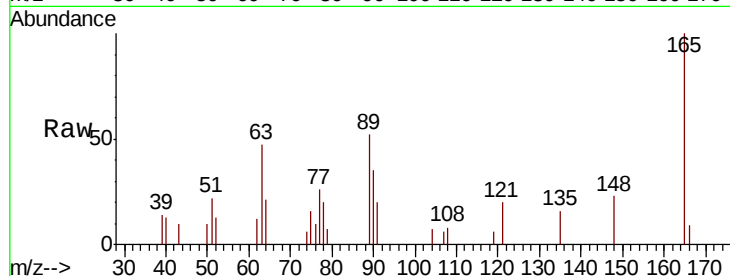




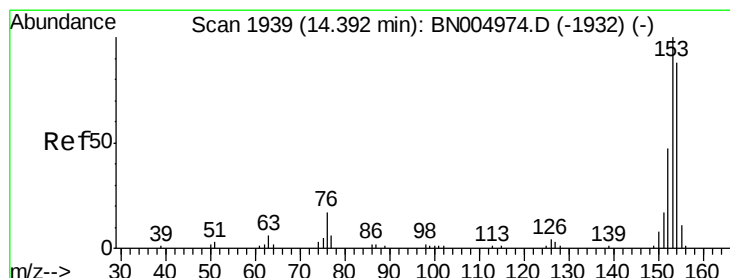
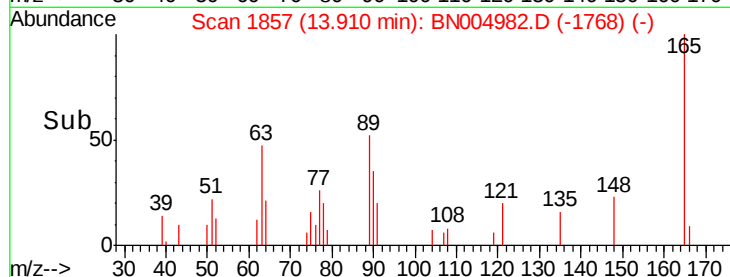
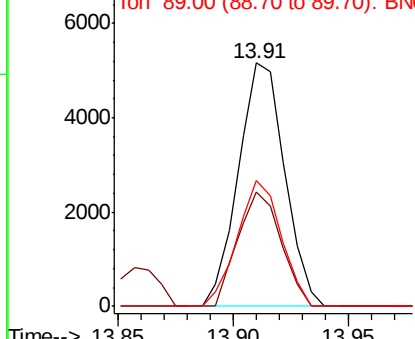
#51
 2,6-Dinitrotoluene
 Concen: 16.908 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:165 Resp: 7227
 Ion Ratio Lower Upper
 165 100
 63 46.7 37.3 55.9
 89 51.7 39.2 58.8

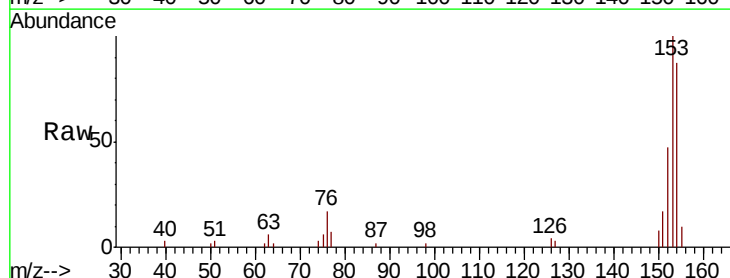


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

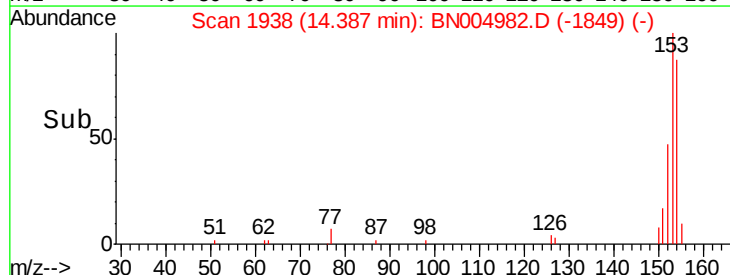
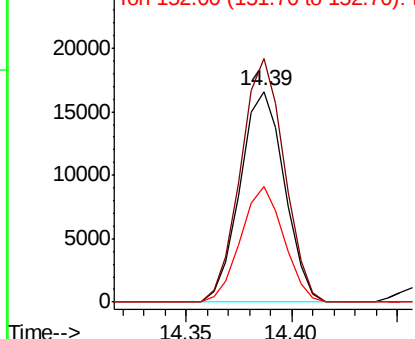


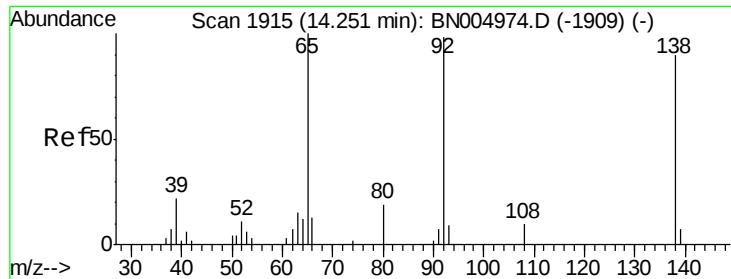
#52
 Acenaphthene
 Concen: 17.235 ng
 RT: 14.39 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:154 Resp: 24215
 Ion Ratio Lower Upper
 154 100
 153 115.5 91.0 136.4
 152 54.8 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

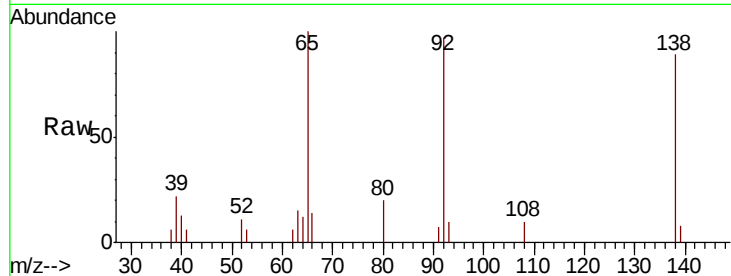




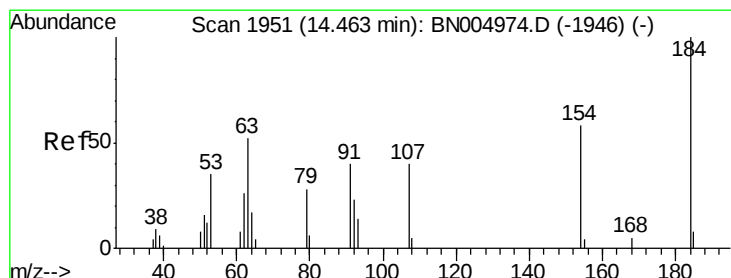
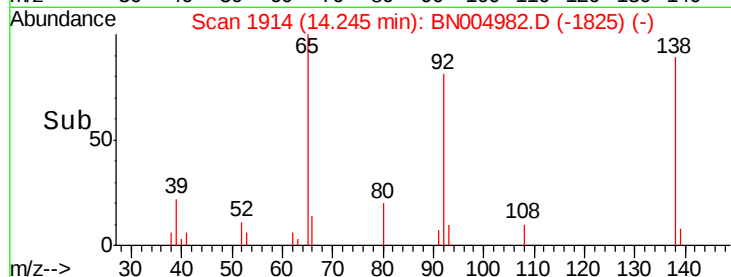
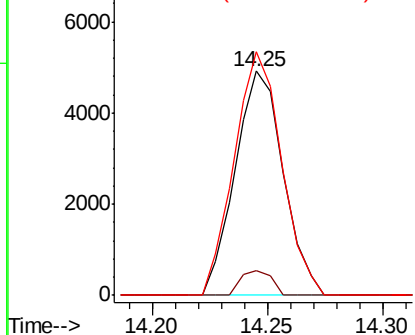
#53
3-Nitroaniline
Concen: 16.323 ng
RT: 14.25 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:138 Resp: 7131
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 108.6 86.9 130.3

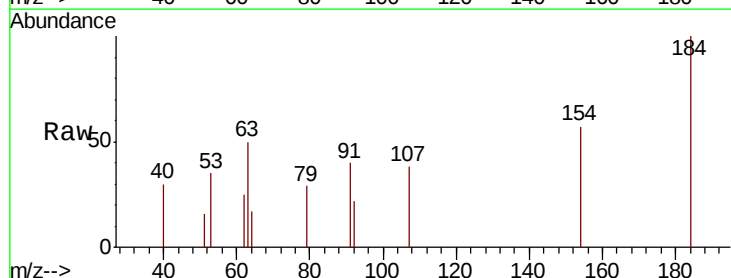


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNC

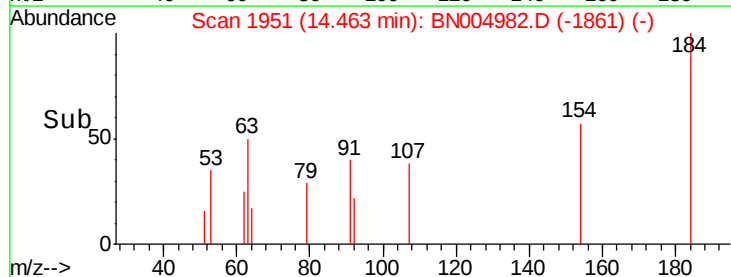
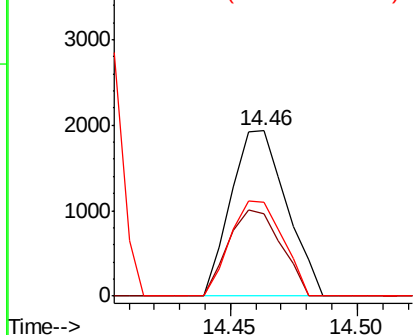


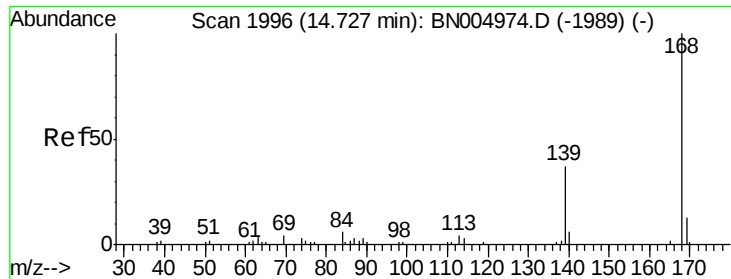
#54
2,4-Dinitrophenol
Concen: 17.723 ng
RT: 14.46 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:184 Resp: 2946
Ion Ratio Lower Upper
184 100
63 49.8 41.6 62.4
154 57.1 46.8 70.2



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 17.125 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

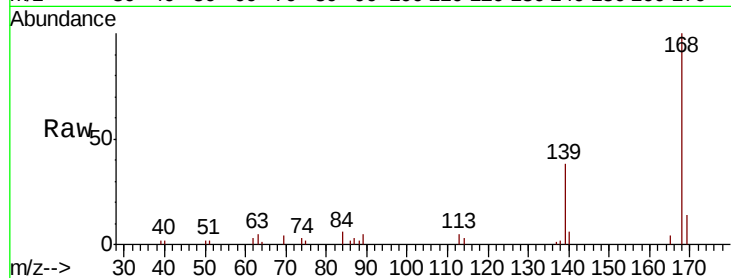
Tgt Ion:168 Resp: 38287

Ion Ratio Lower Upper

168 100

139 38.0 29.9 44.9

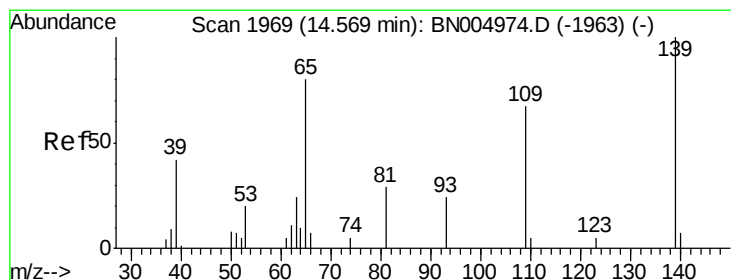
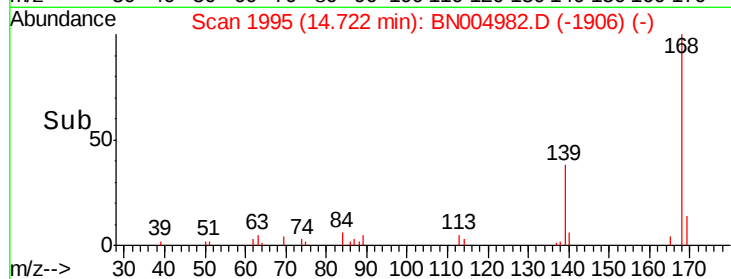
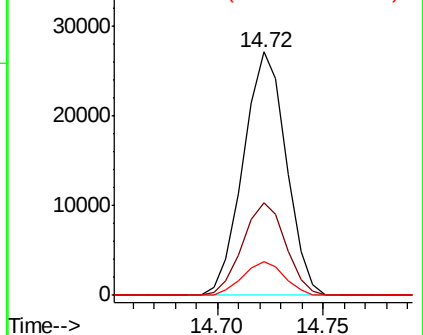
169 13.6 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 15.106 ng

RT: 14.56 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

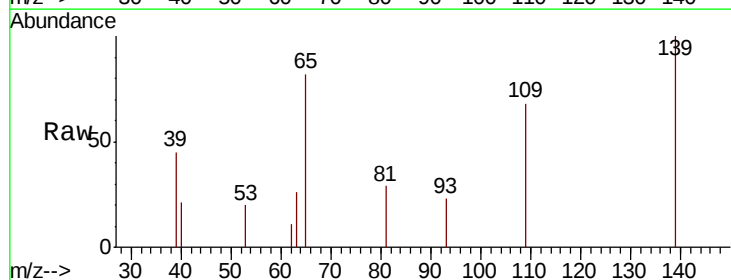
Tgt Ion:139 Resp: 5199

Ion Ratio Lower Upper

139 100

109 68.4 46.5 86.5

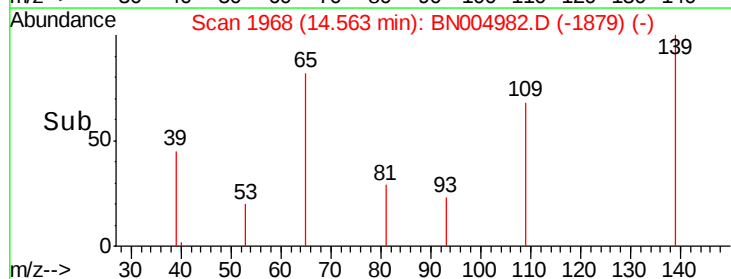
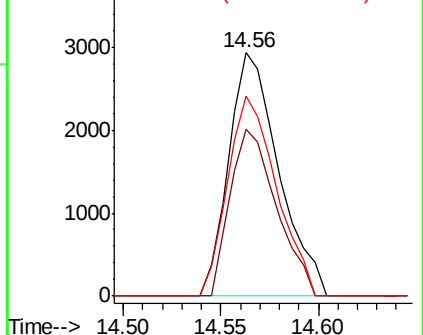
65 82.4 59.5 99.5

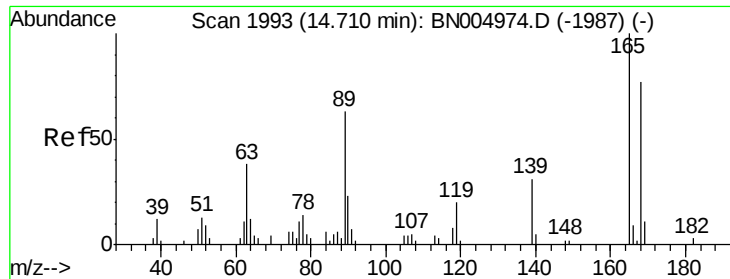


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNO

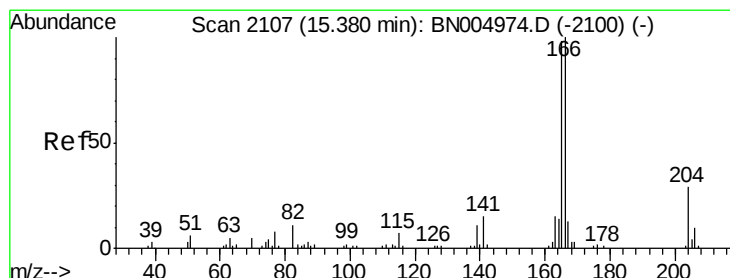
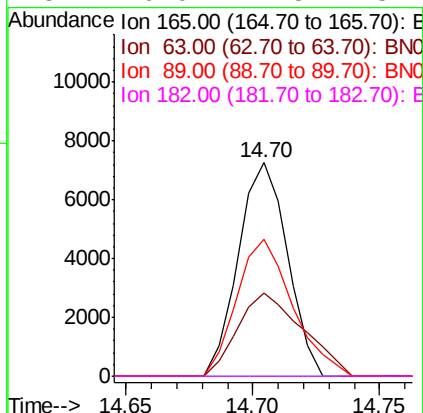
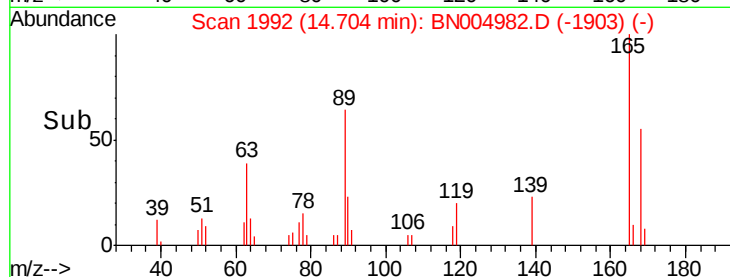
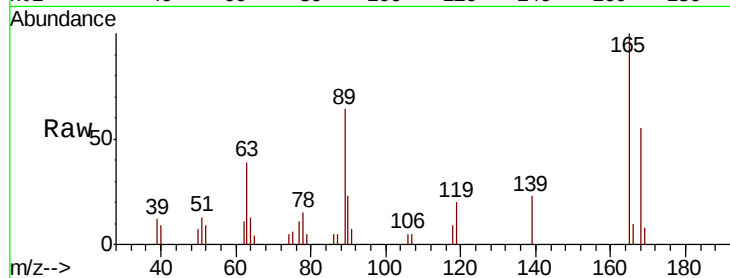




#57
2,4-Dinitrotoluene
Concen: 16.828 ng
RT: 14.70 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

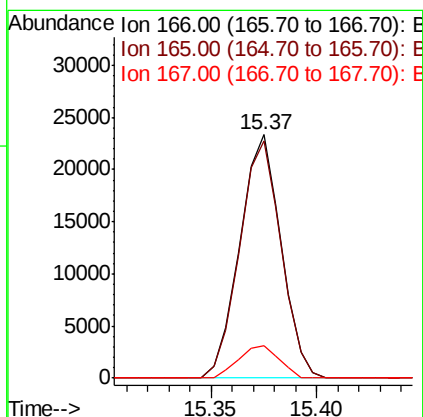
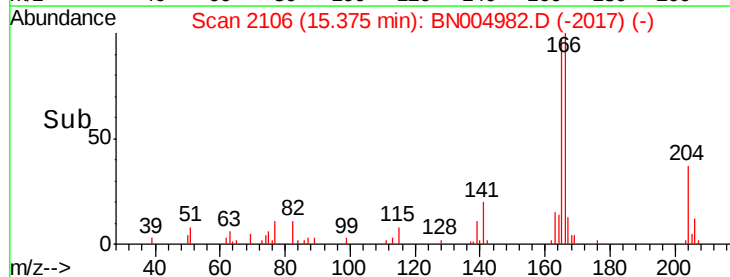
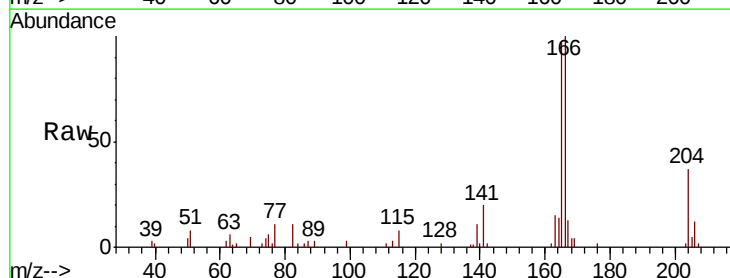
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

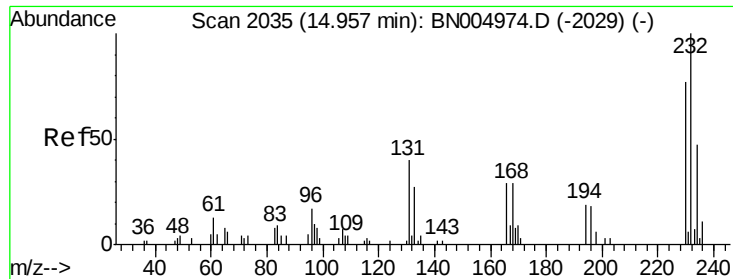
Tgt Ion:165 Resp: 9775
Ion Ratio Lower Upper
165 100
63 38.7 30.4 45.6
89 64.2 50.7 76.1
182 0.0 2.5 3.7#



#58
Fluorene
Concen: 17.476 ng
RT: 15.37 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:166 Resp: 31562
Ion Ratio Lower Upper
166 100
165 97.3 78.3 117.5
167 13.4 10.6 15.8

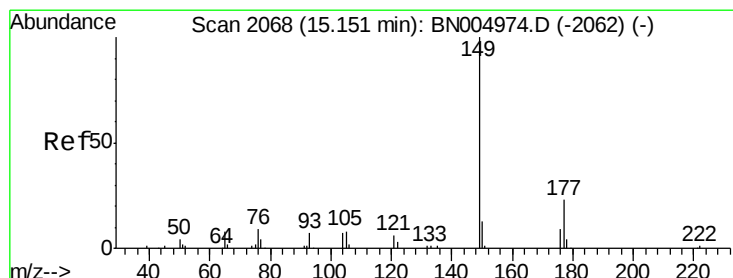
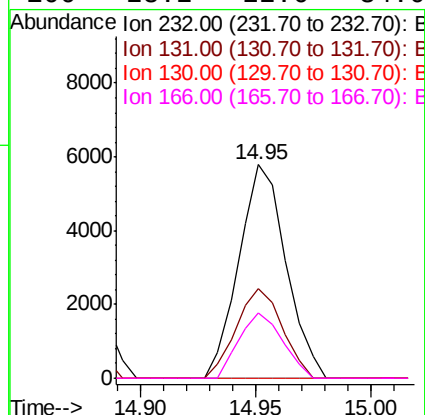
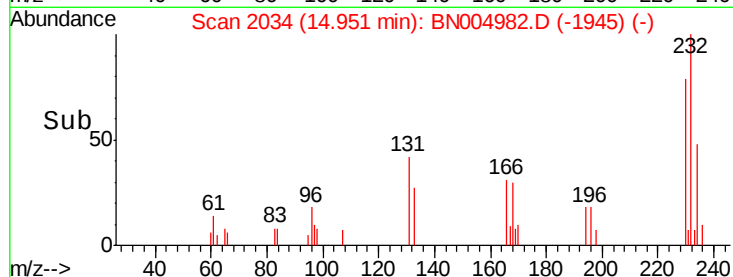
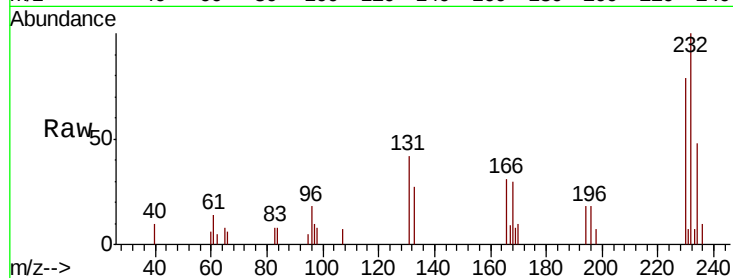




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 16.208 ng
 RT: 14.95 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

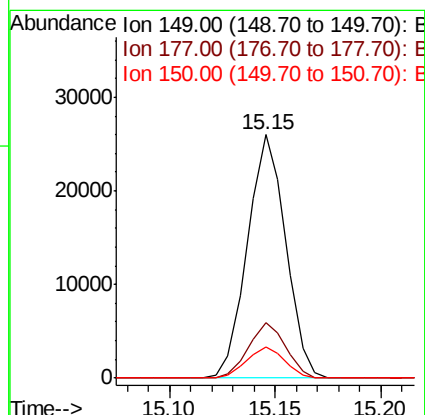
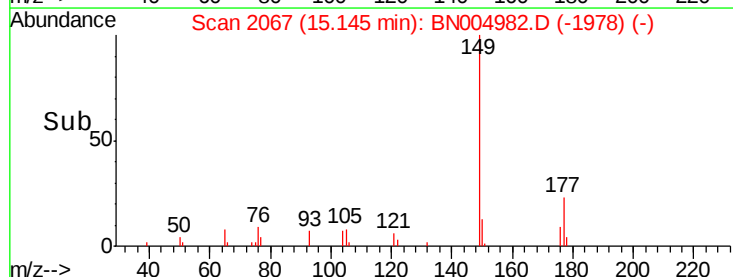
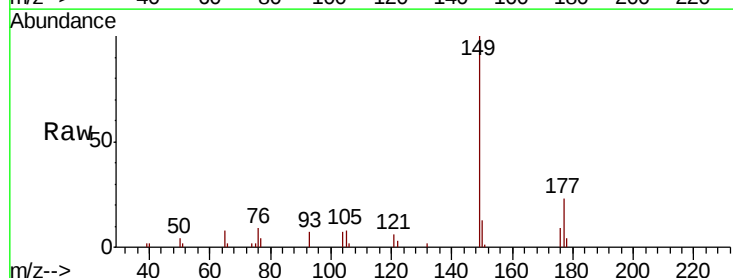
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

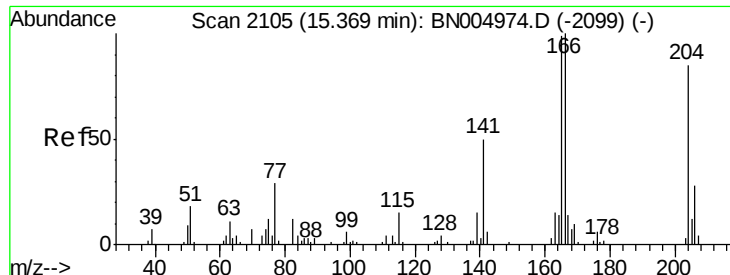
Tgt Ion:	232	Resp:	8238
Ion Ratio	Lower	Upper	
232	100		
131	41.1	32.4	48.6
130	0.0	0.9	1.3#
166	28.2	22.6	34.0



#60
 Diethylphthalate
 Concen: 17.501 ng
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:	149	Resp:	32805
Ion Ratio	Lower	Upper	
149	100		
177	22.7	18.1	27.1
150	12.8	10.1	15.1

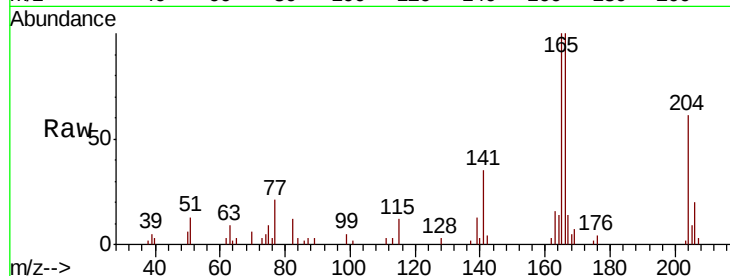




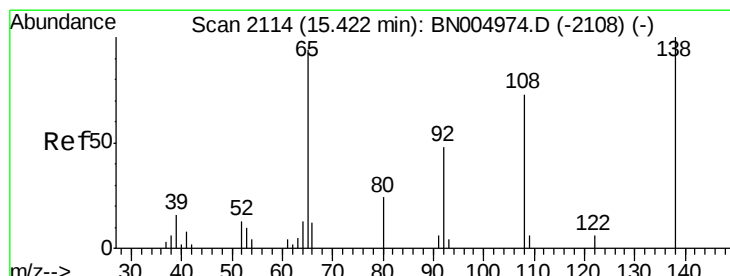
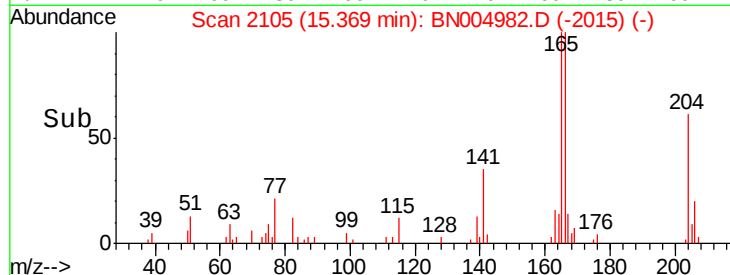
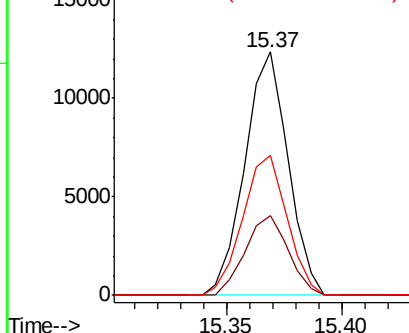
#61
 4-Chlorophenyl-phenylether
 Concen: 17.346 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:204 Resp: 16161
 Ion Ratio Lower Upper
 204 100
 206 32.9 26.5 39.7
 141 57.5 47.2 70.8

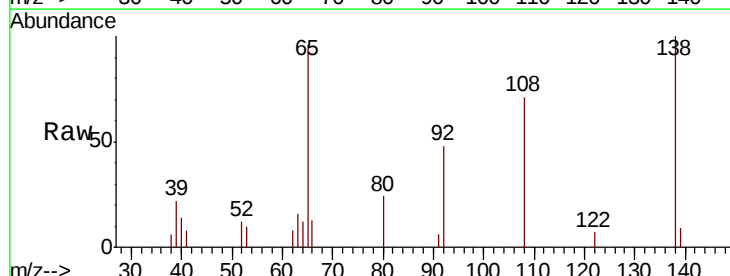


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

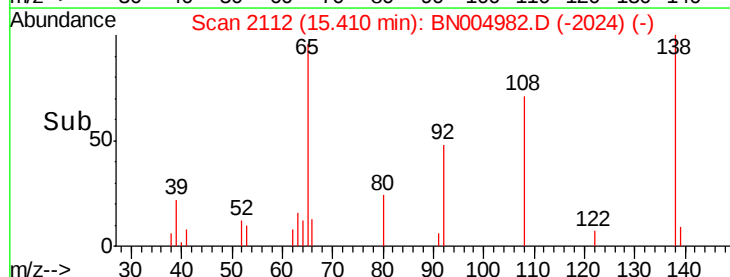
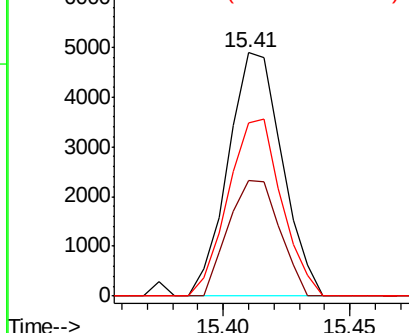


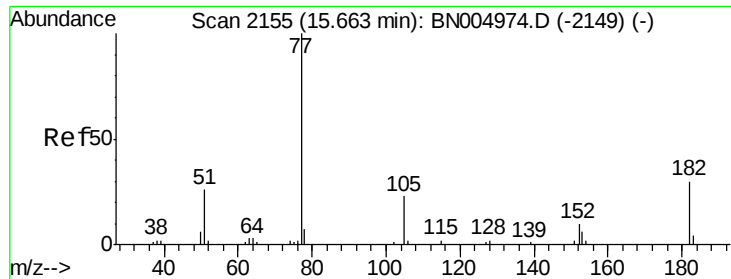
#62
 4-Nitroaniline
 Concen: 16.576 ng
 RT: 15.41 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:138 Resp: 7276
 Ion Ratio Lower Upper
 138 100
 92 47.6 26.4 66.4
 108 71.4 50.8 90.8



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BNC
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 17.461 ng

RT: 15.66 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 27245

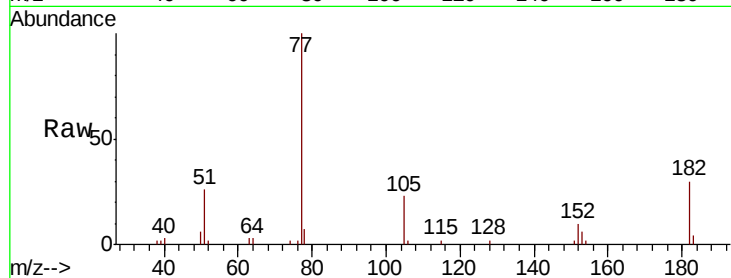
Ion Ratio Lower Upper

77 100

182 30.4 10.0 50.0

105 22.9 2.9 42.9

51 25.9 6.0 46.0

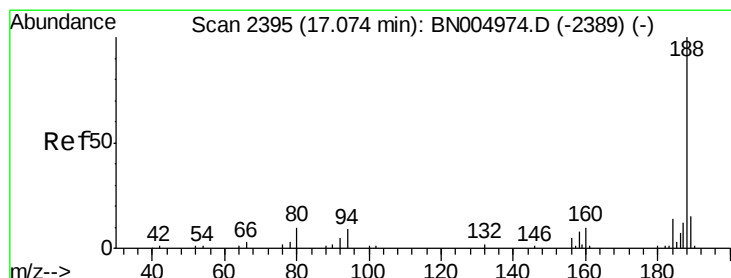
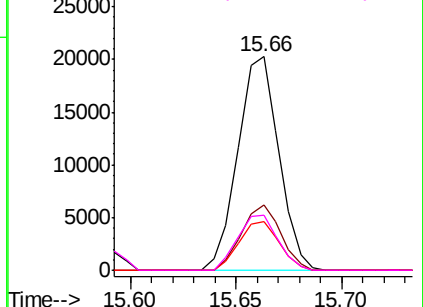
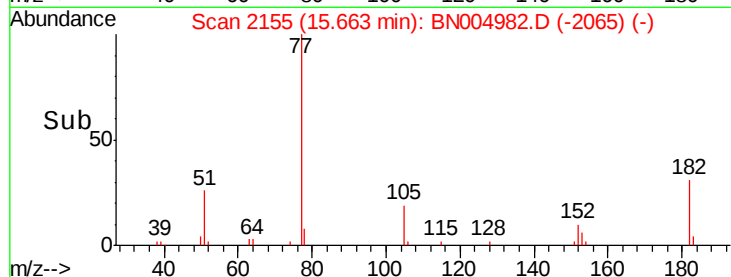


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 182.00 (181.70 to 182.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

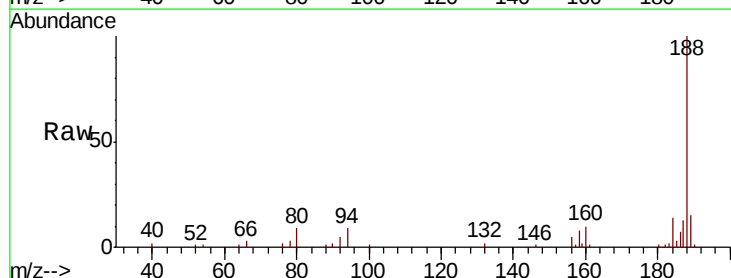
Tgt Ion: 188 Resp: 52083

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

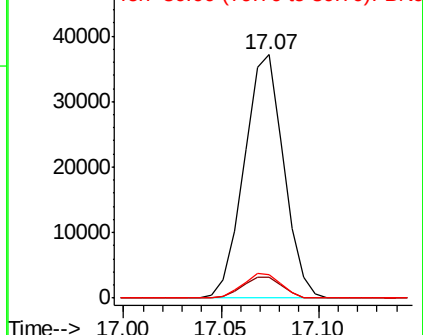
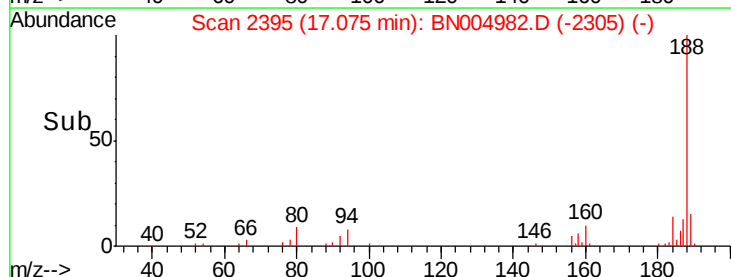
80 9.5 7.8 11.6

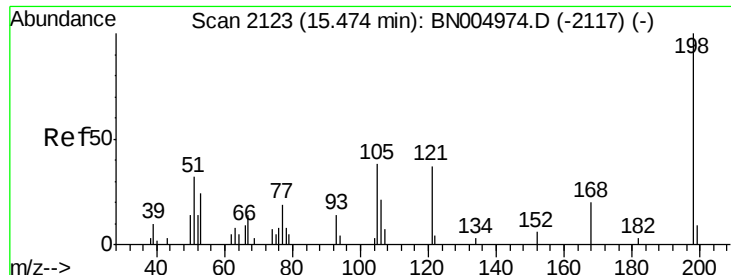


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#65

4,6-Dinitro-2-methylphenol

Concen: 16.574 ng

RT: 15.47 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

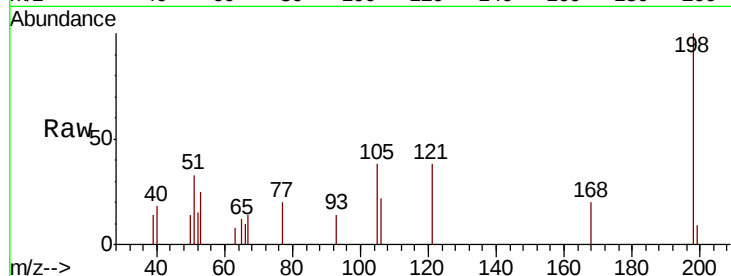
Tgt Ion:198 Resp: 5031

Ion Ratio Lower Upper

198 100

51 32.6 12.0 52.0

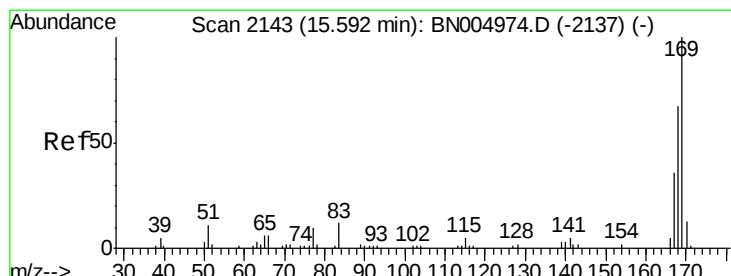
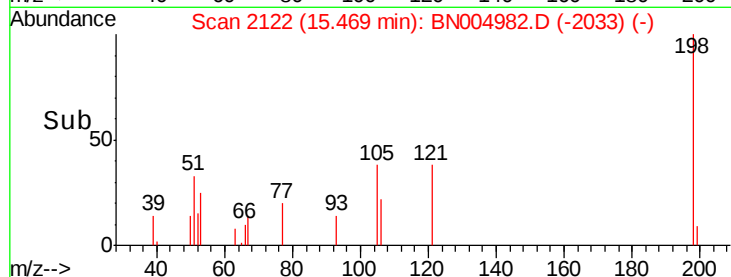
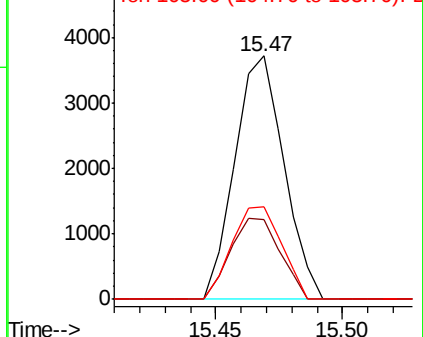
105 37.8 17.6 57.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): B

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 16.689 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

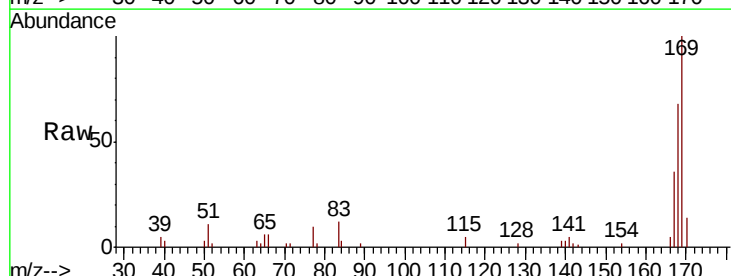
Tgt Ion:169 Resp: 27380

Ion Ratio Lower Upper

169 100

168 67.7 53.4 80.2

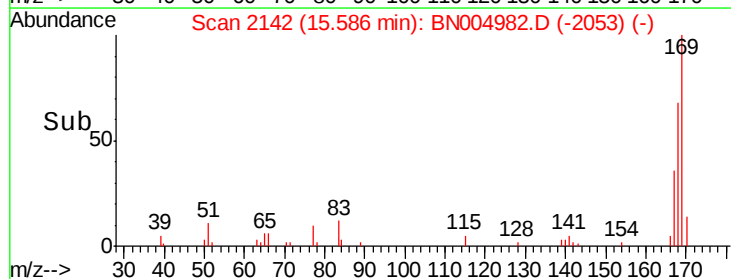
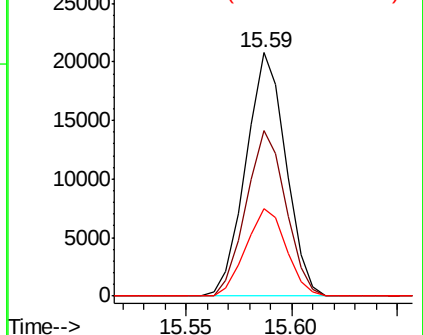
167 35.9 28.9 43.3

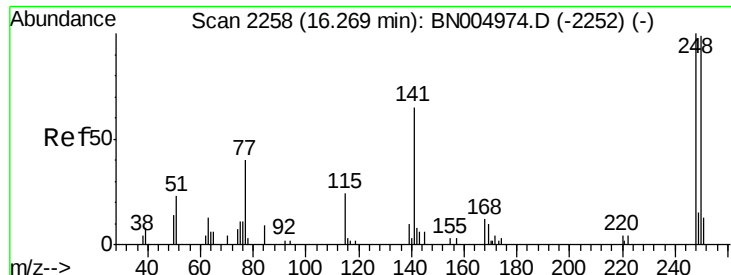


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

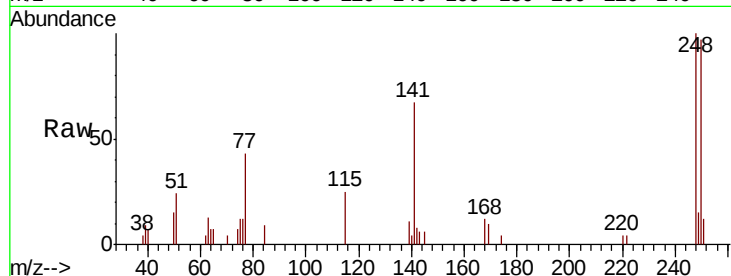




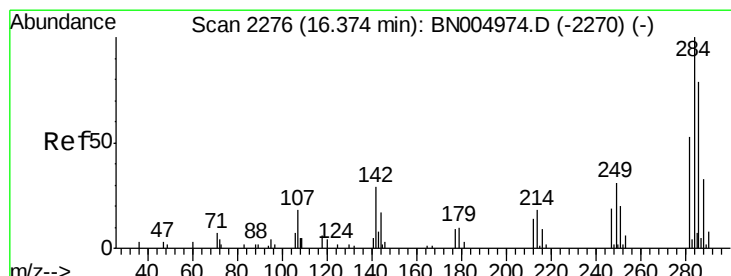
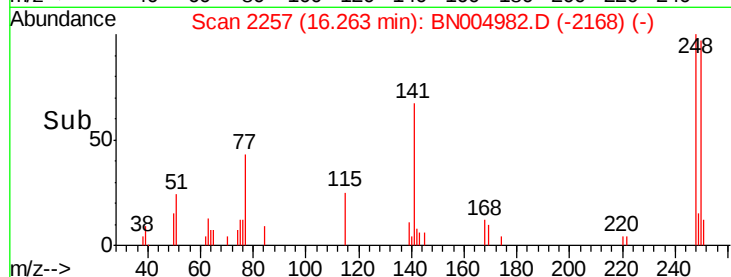
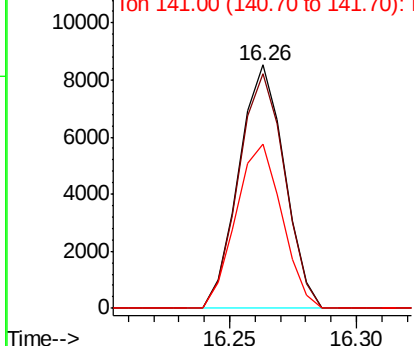
#67
 4-Bromophenyl-phenylether
 Concen: 16.494 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 248 Resp: 10720
 Ion Ratio Lower Upper
 248 100
 250 96.5 79.4 119.2
 141 67.2 52.3 78.5

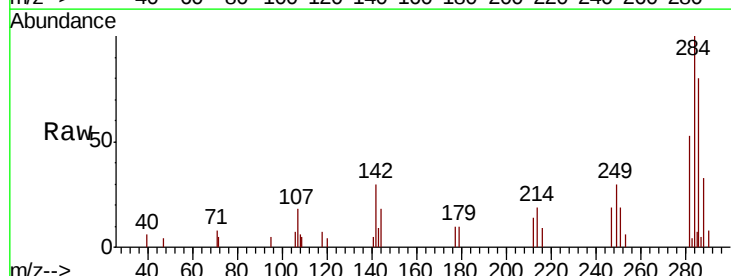


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

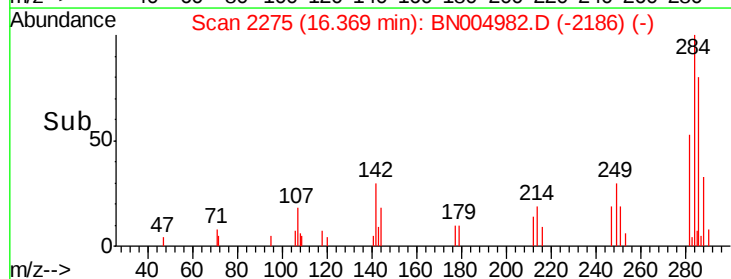
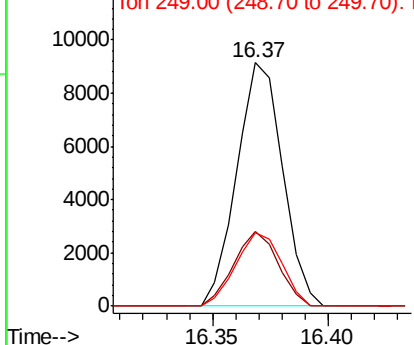


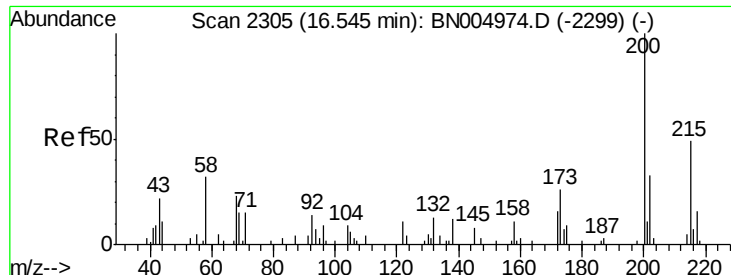
#68
 Hexachlorobenzene
 Concen: 16.643 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion: 284 Resp: 12673
 Ion Ratio Lower Upper
 284 100
 142 30.5 23.5 35.3
 249 30.1 24.5 36.7



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 17.003 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

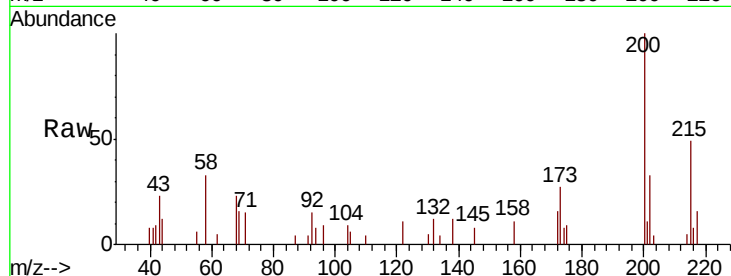
Tgt Ion:200 Resp: 9966

Ion Ratio Lower Upper

200 100

173 27.2 6.4 46.4

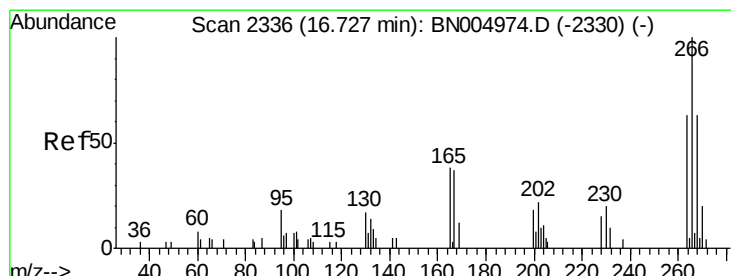
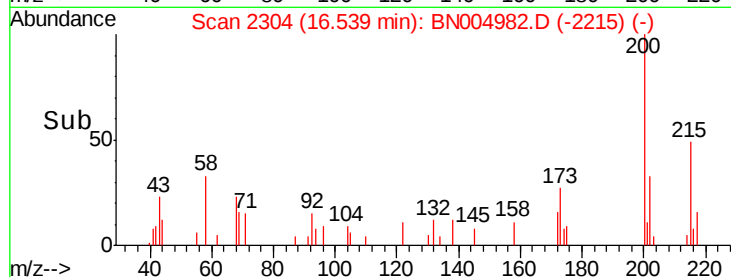
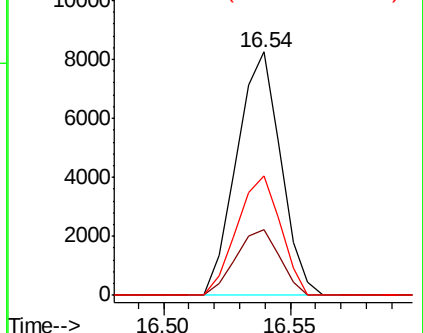
215 49.2 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 13.670 ng

RT: 16.72 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

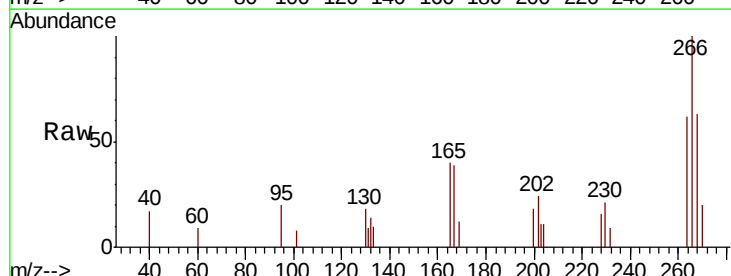
Tgt Ion:266 Resp: 5473

Ion Ratio Lower Upper

266 100

268 63.0 50.8 76.2

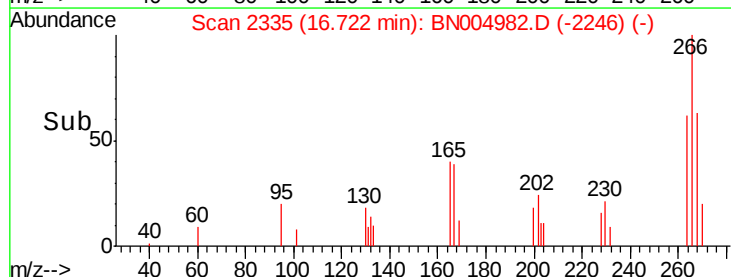
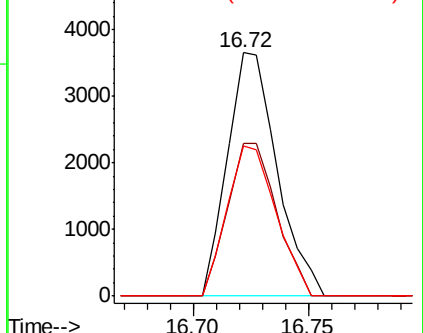
264 61.6 50.0 75.0

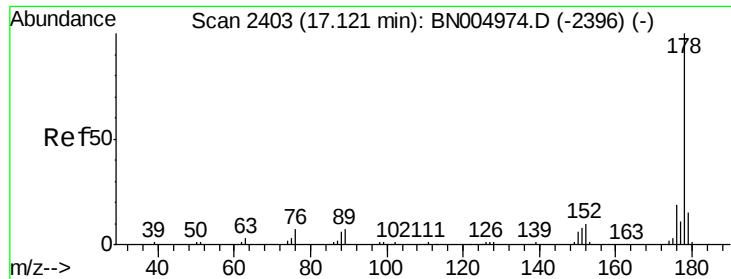


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

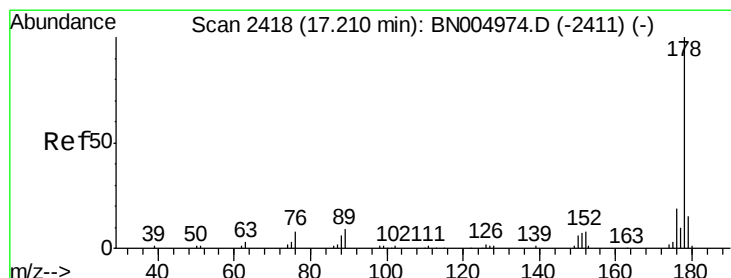
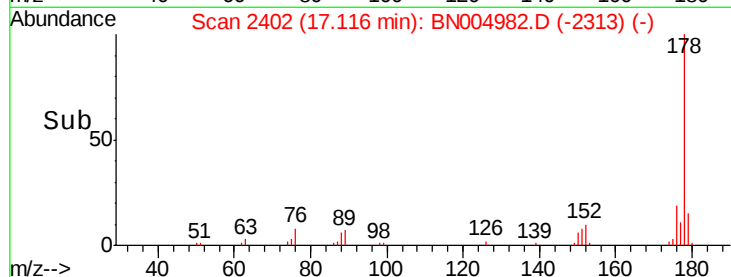
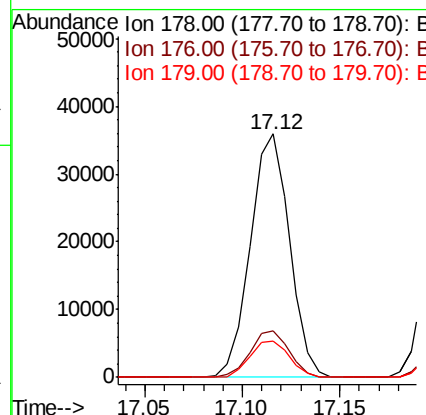
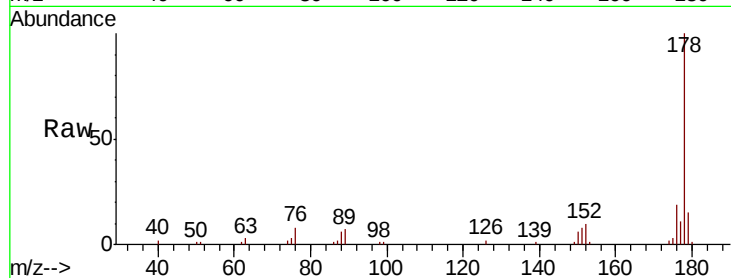




#71
Phenanthrene
Concen: 17.034 ng
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

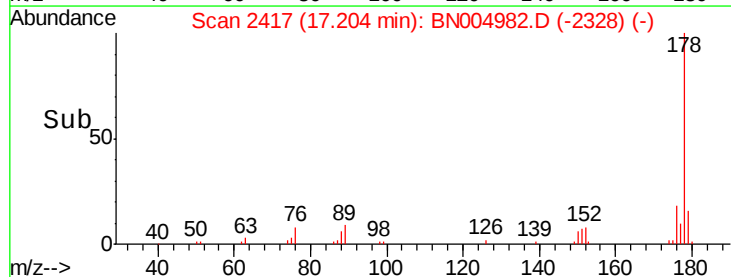
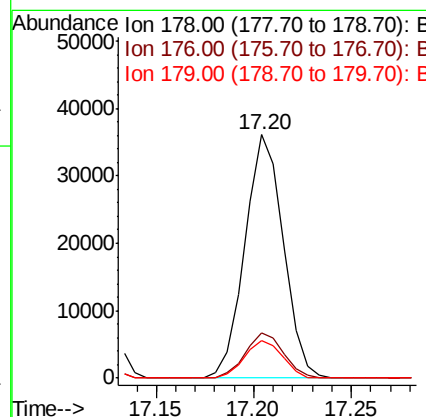
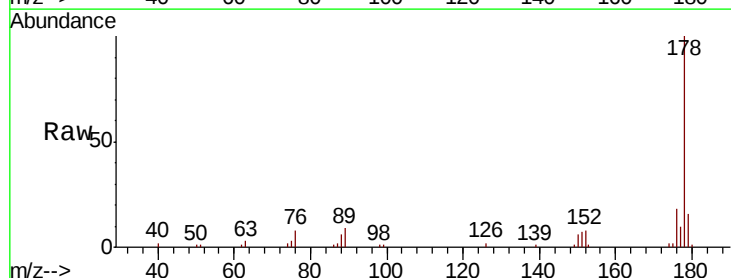
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

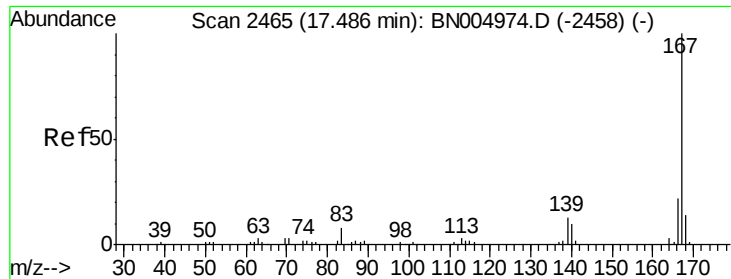
Tgt Ion:178 Resp: 49848
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.1 12.3 18.5



#72
Anthracene
Concen: 16.923 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:178 Resp: 49295
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.3 18.5

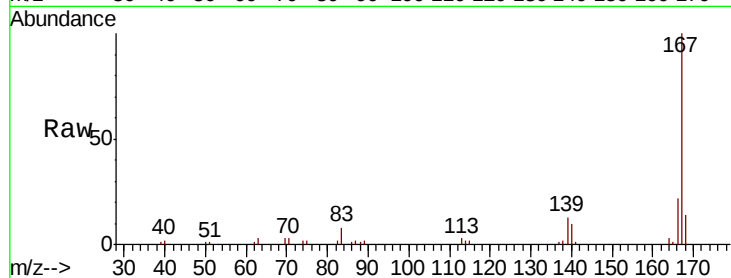




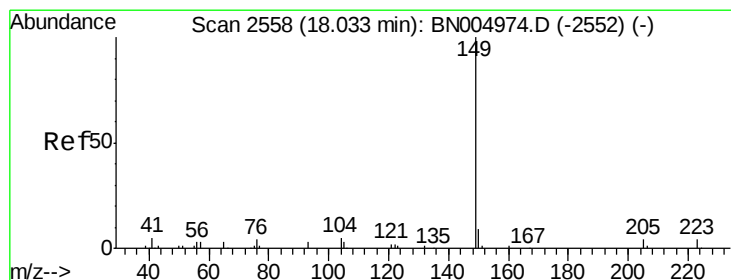
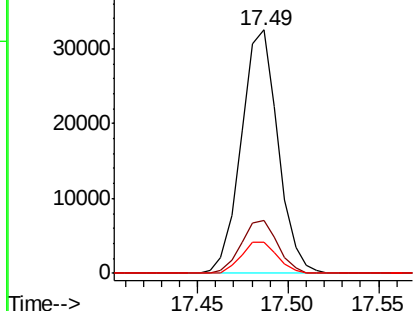
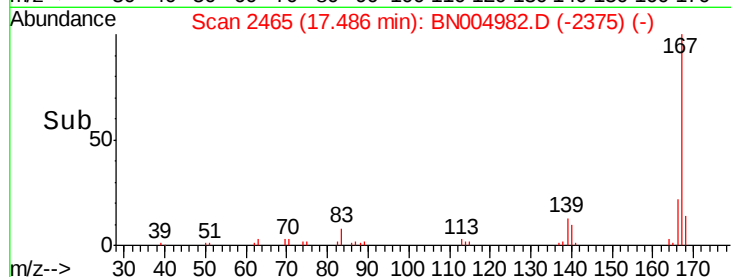
#73
 Carbazole
 Concen: 17.229 ng
 RT: 17.49 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:167 Resp: 45680
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.8 26.8
 139 12.7 10.6 16.0

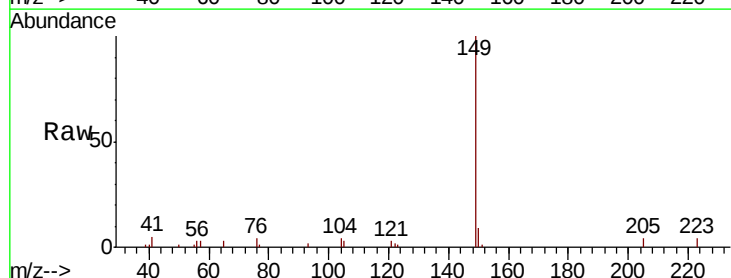


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

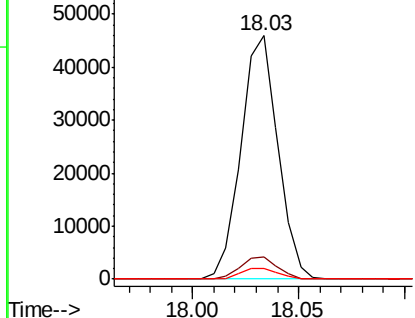
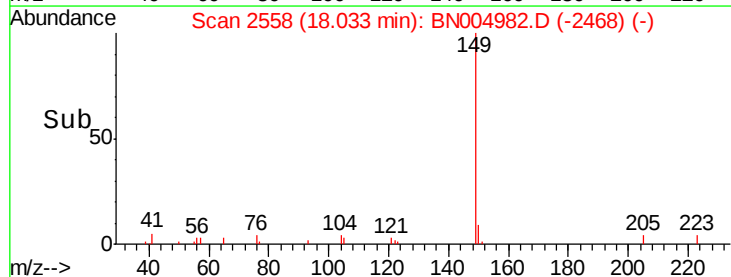


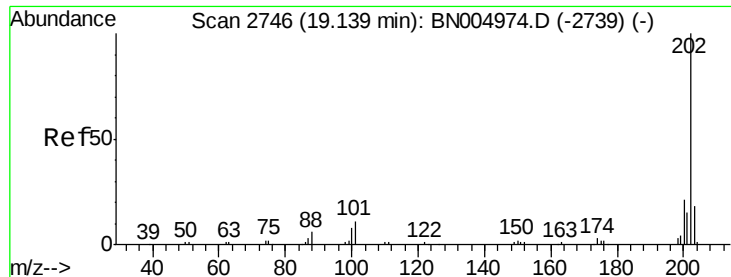
#74
 Di-n-butylphthalate
 Concen: 17.185 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:149 Resp: 55505
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.4 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 17.561 ng

RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

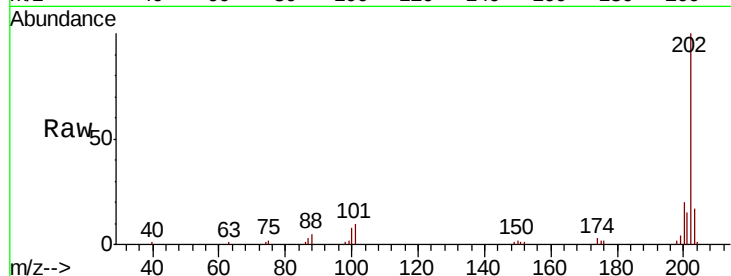
Tgt Ion:202 Resp: 58629

Ion Ratio Lower Upper

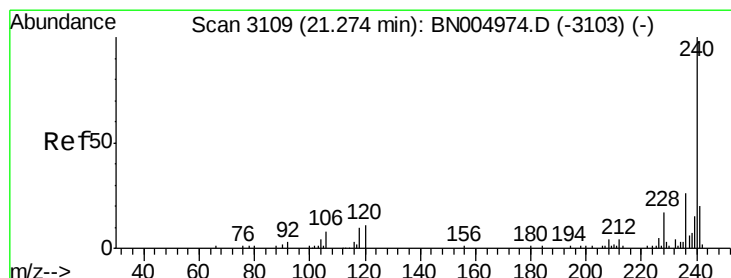
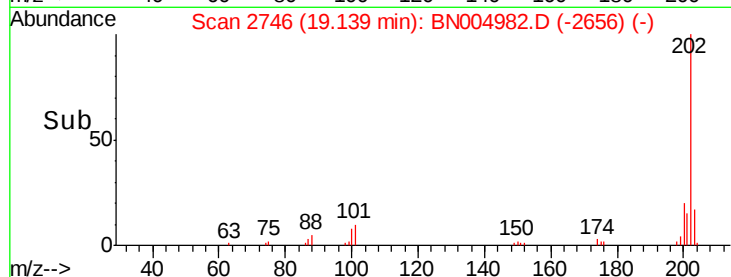
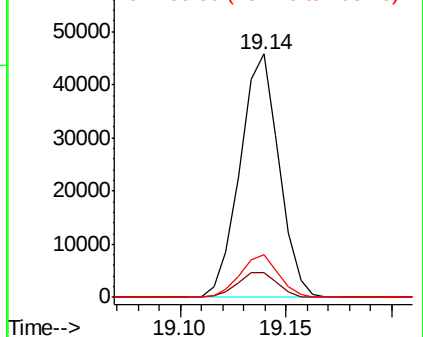
202 100

101 10.2 0.0 31.1

203 17.3 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

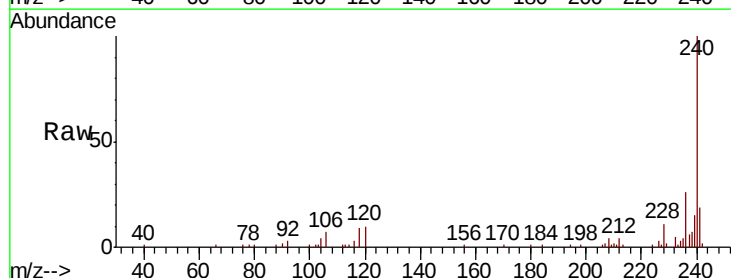
Tgt Ion:240 Resp: 54548

Ion Ratio Lower Upper

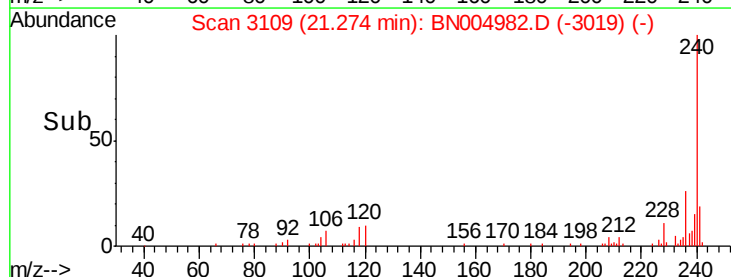
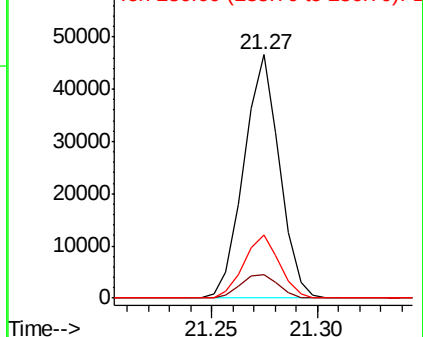
240 100

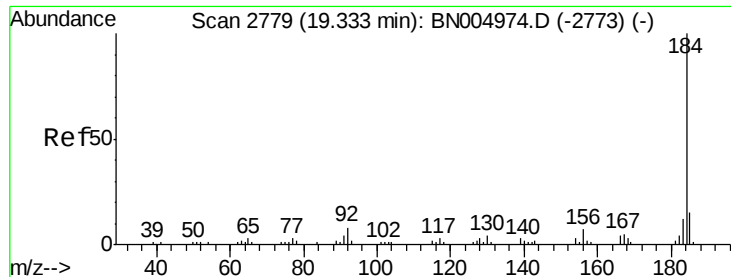
120 9.9 8.5 12.7

236 25.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

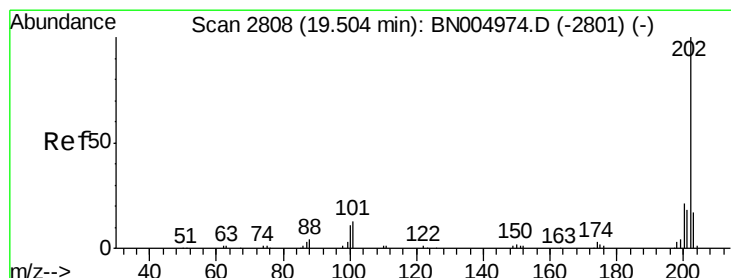
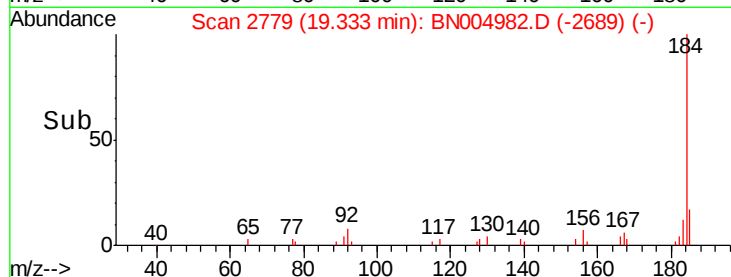
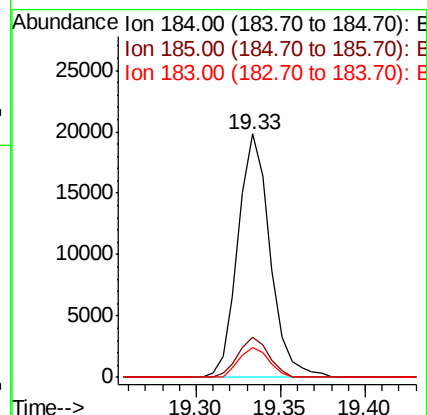
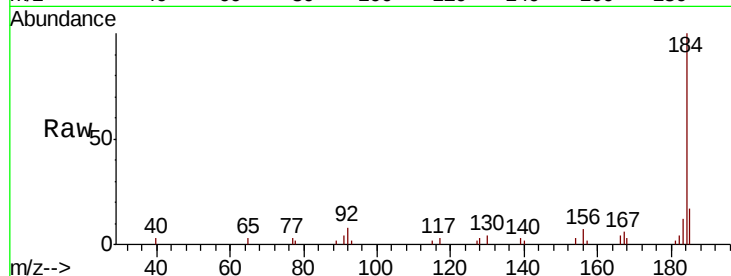




#77
Benzidine
Concen: 15.508 ng
RT: 19.33 min Scan# 2779
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

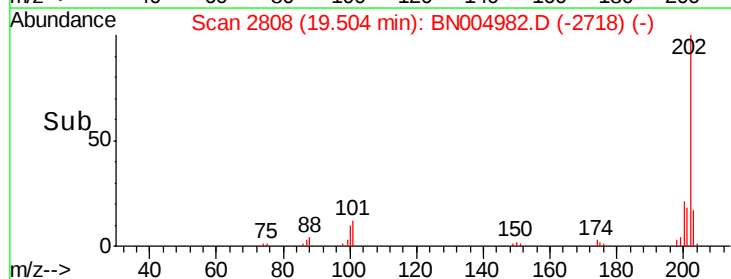
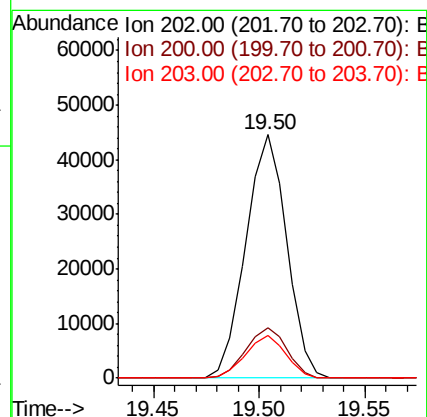
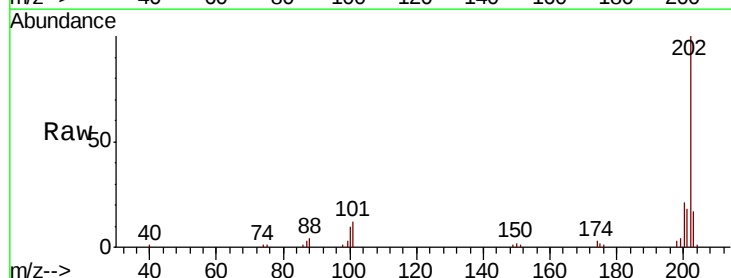
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

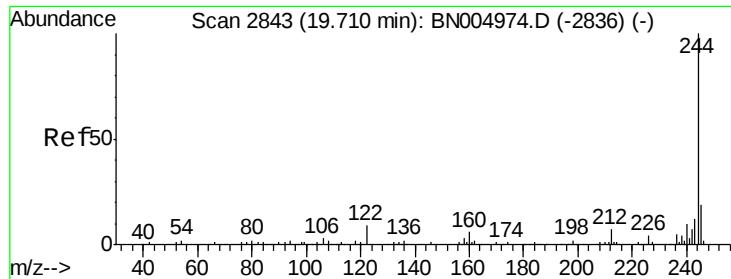
Tgt Ion:184 Resp: 26363
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.8
183 12.5 9.9 14.9



#78
Pyrene
Concen: 16.454 ng
RT: 19.50 min Scan# 2808
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:202 Resp: 59931
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.3 14.0 21.0





#79

Terphenyl-d14

Concen: 84.540 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

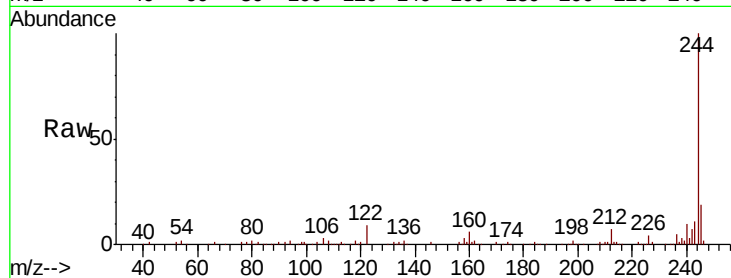
Tgt Ion:244 Resp: 239528

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

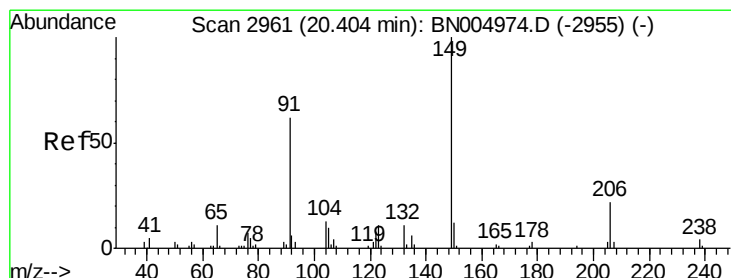
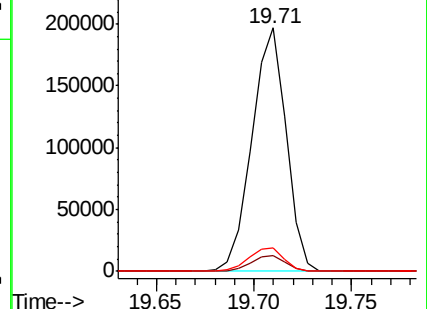
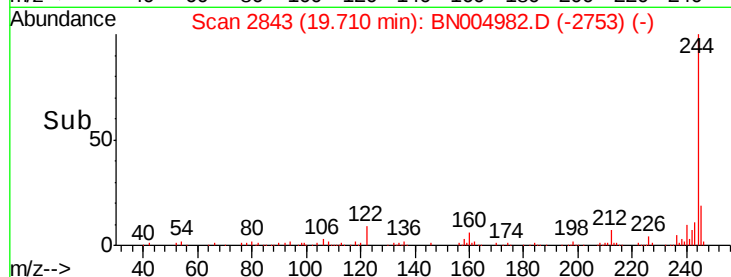
122 9.5 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 16.331 ng

RT: 20.40 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

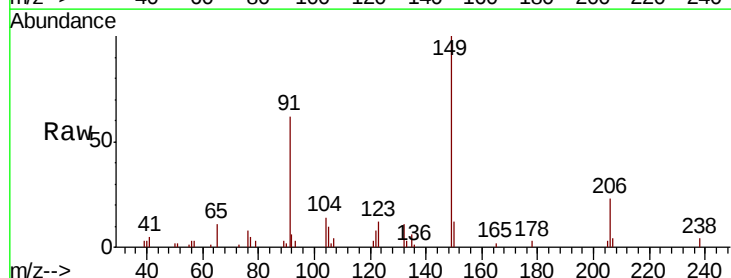
Tgt Ion:149 Resp: 24169

Ion Ratio Lower Upper

149 100

91 62.5 49.3 73.9

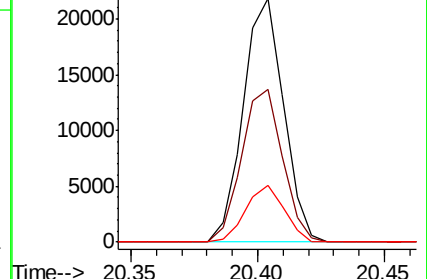
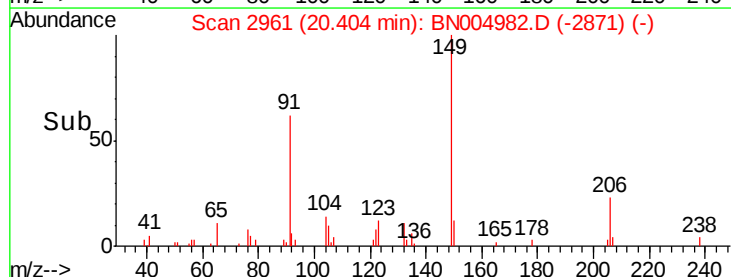
206 23.2 17.9 26.9

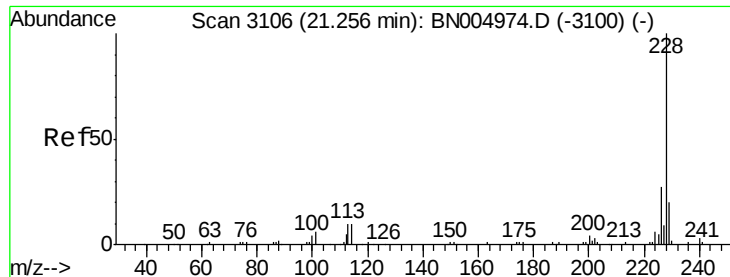


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 17.058 ng

RT: 21.26 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

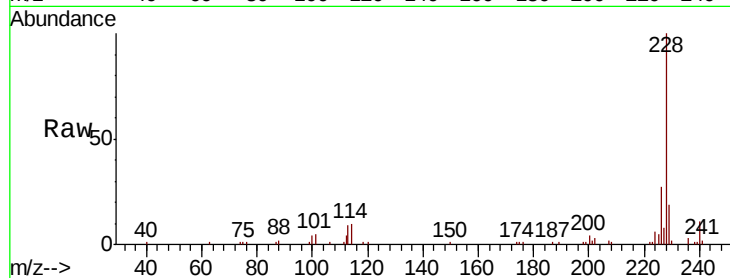
Tgt Ion:228 Resp: 57960

Ion Ratio Lower Upper

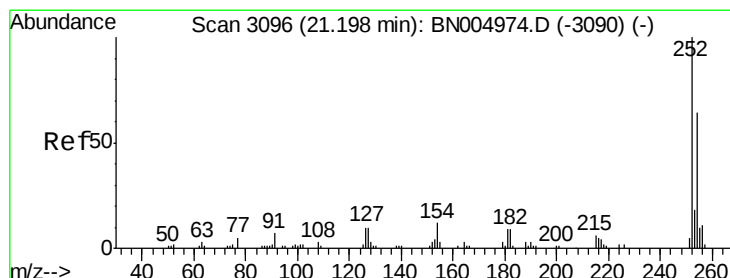
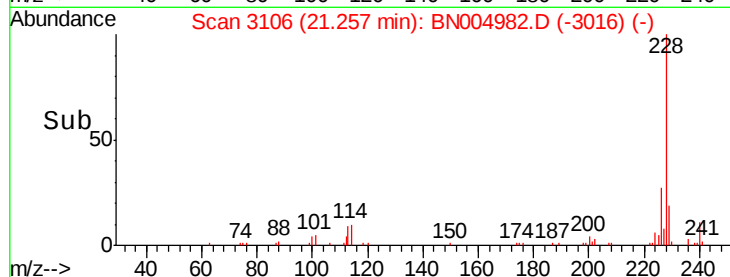
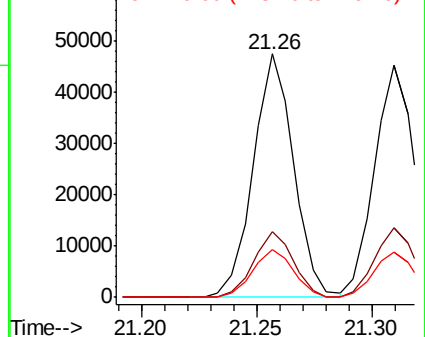
228 100

226 26.8 21.8 32.6

229 19.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 16.921 ng

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

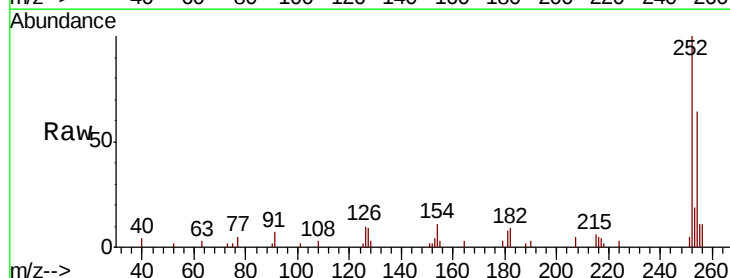
Tgt Ion:252 Resp: 21500

Ion Ratio Lower Upper

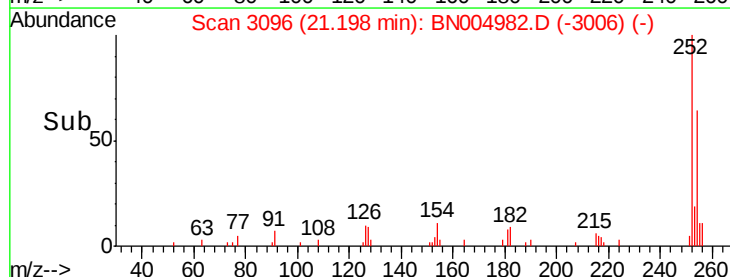
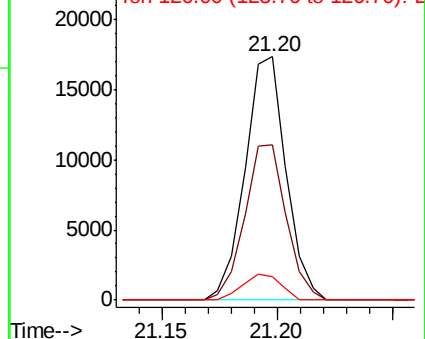
252 100

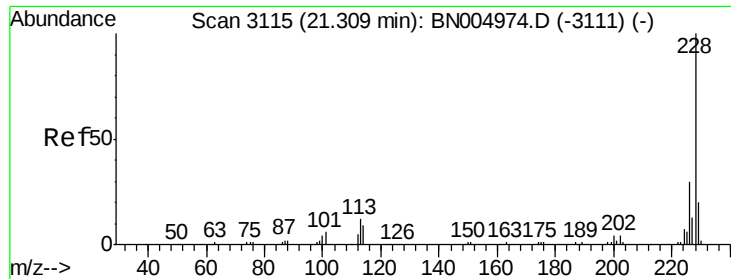
254 64.0 51.5 77.3

126 9.5 7.9 11.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 16.951 ng

RT: 21.31 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

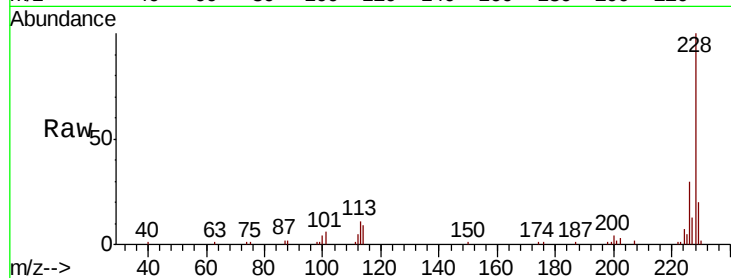
Tgt Ion:228 Resp: 55014

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

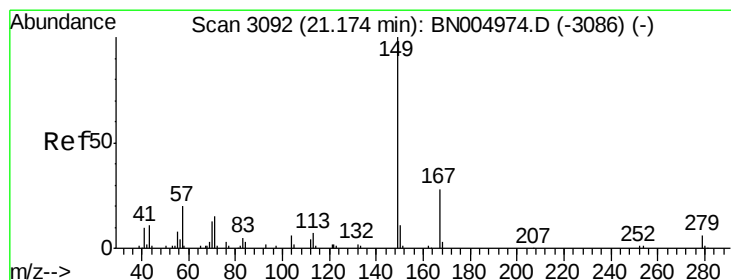
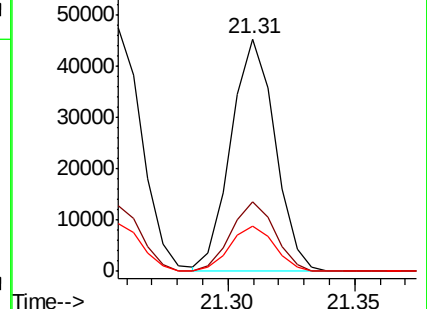
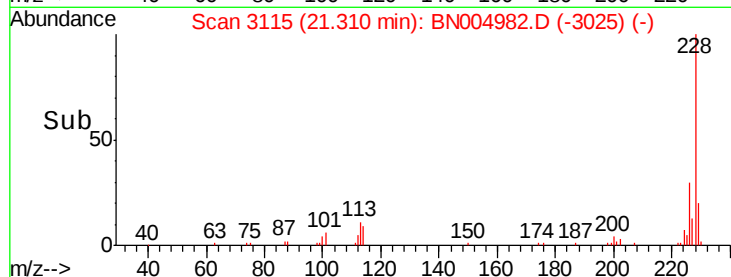
229 19.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.843 ng

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

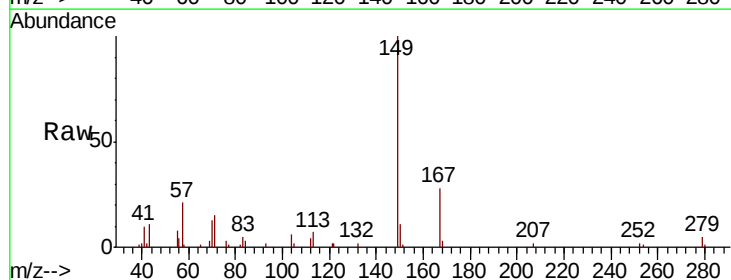
Tgt Ion:149 Resp: 34489

Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

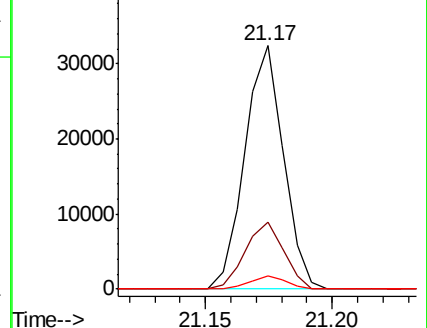
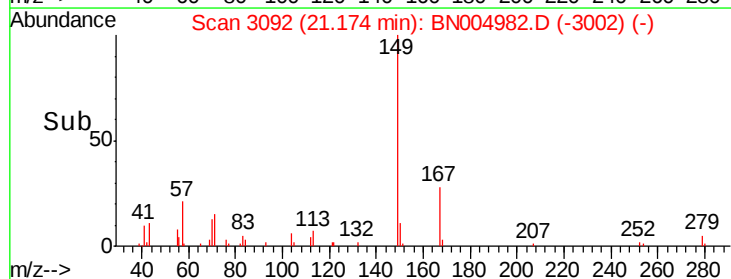
279 5.5 4.5 6.7

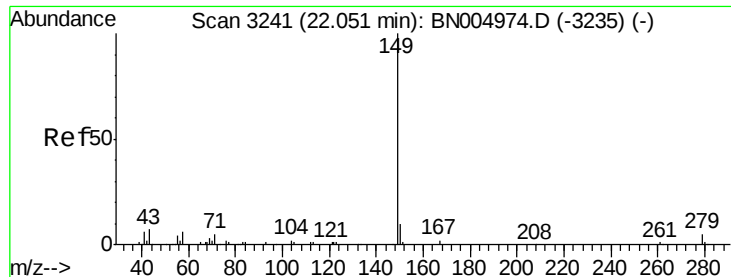


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 16.769 ng

RT: 22.05 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

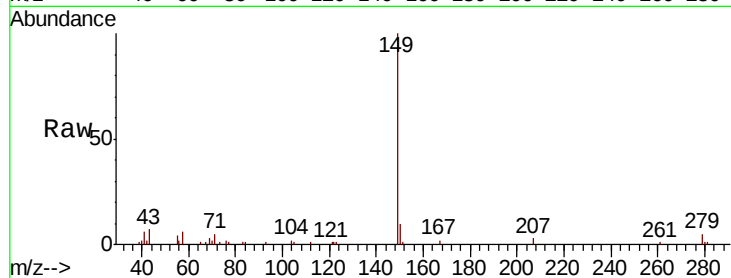
Tgt Ion:149 Resp: 55417

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

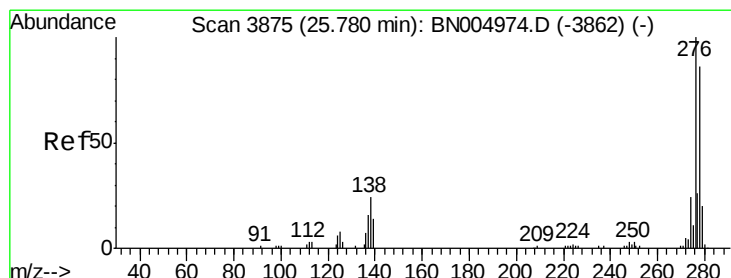
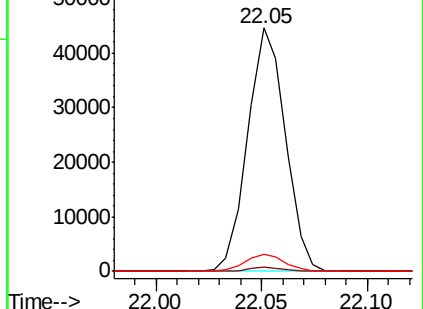
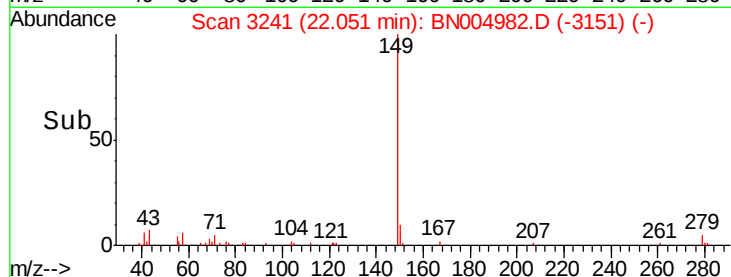
43 7.3 5.8 8.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BNC



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.727 ng

RT: 25.77 min Scan# 3874

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

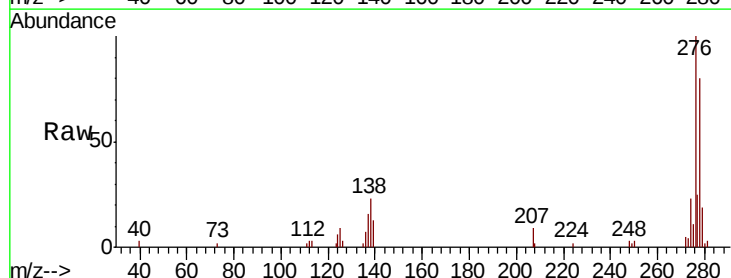
Tgt Ion:276 Resp: 54299

Ion Ratio Lower Upper

276 100

138 22.8 18.5 27.7

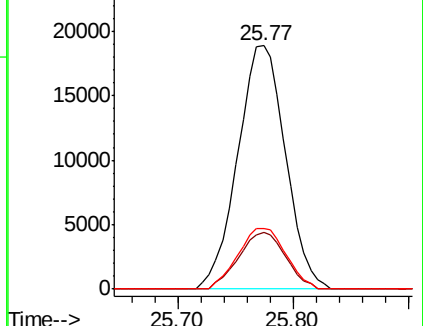
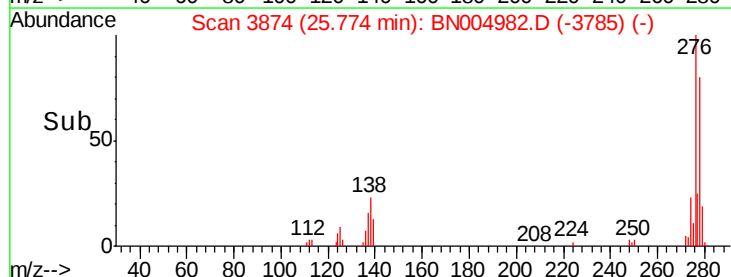
277 25.1 20.4 30.6

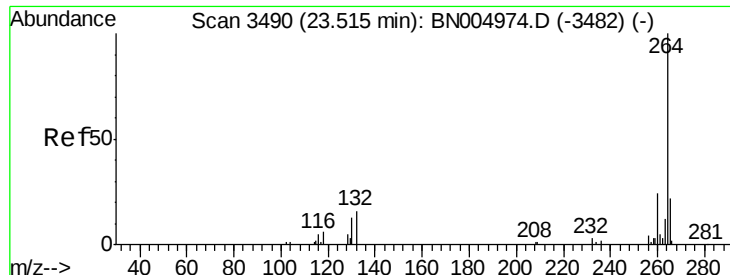


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



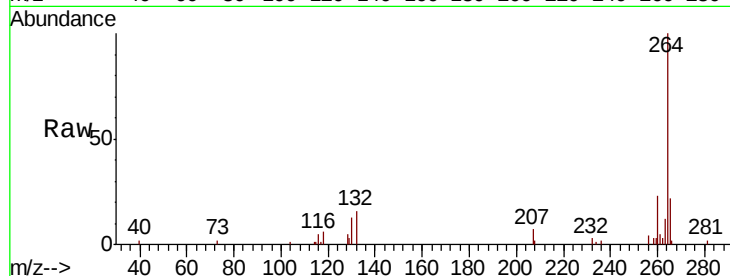


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

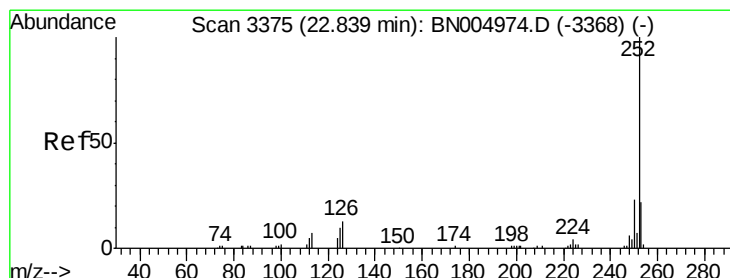
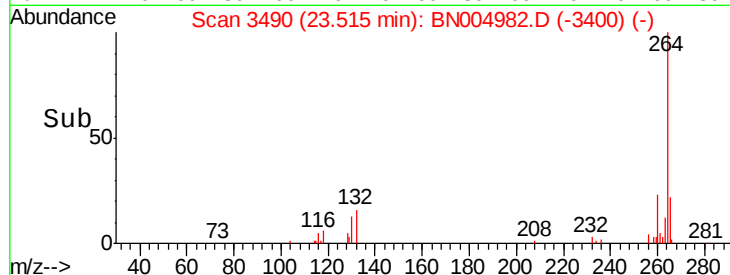
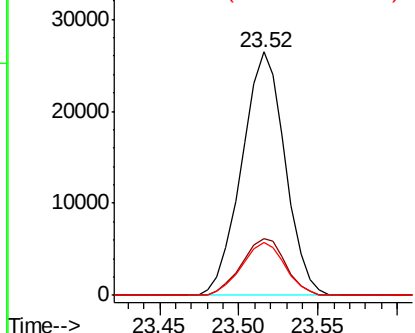
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 264 Resp: 50230

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.8	17.2	25.8



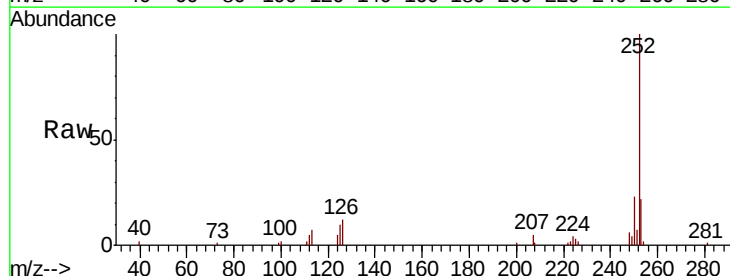
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



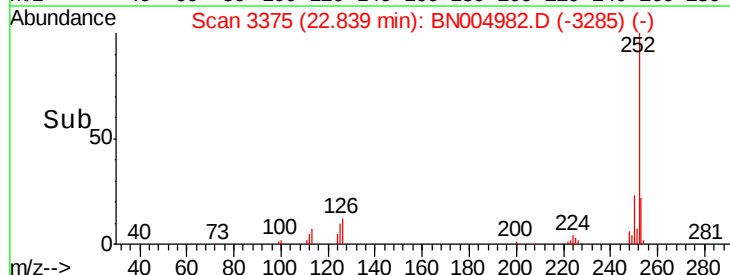
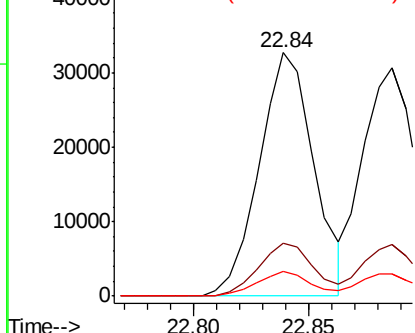
#88
Benzo(b)fluoranthene
Concen: 17.422 ng
RT: 22.84 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

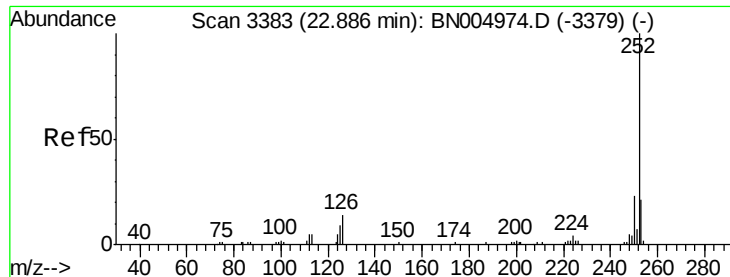
Tgt Ion: 252 Resp: 53867

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.0	8.1	12.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.411 ng

RT: 22.89 min Scan# 3383

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

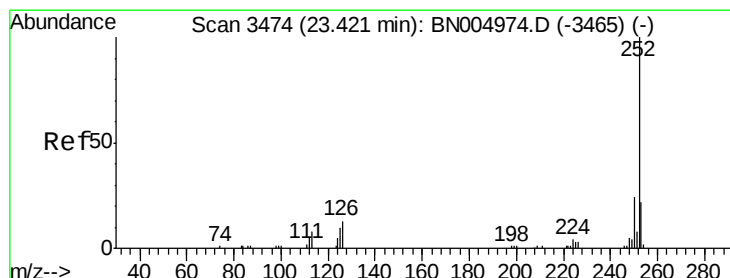
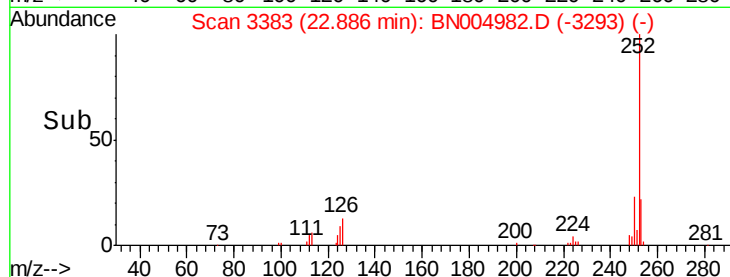
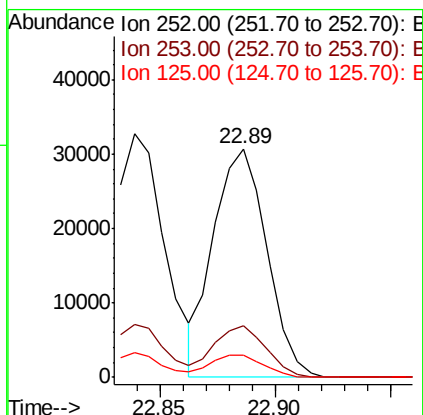
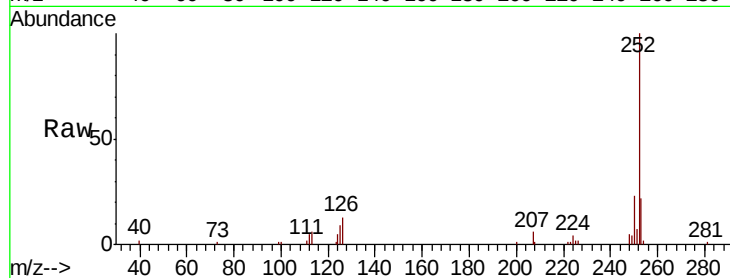
Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	252	Resp:	49365
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	9.4	7.6	11.4



#90

Benzo(a)pyrene

Concen: 16.937 ng

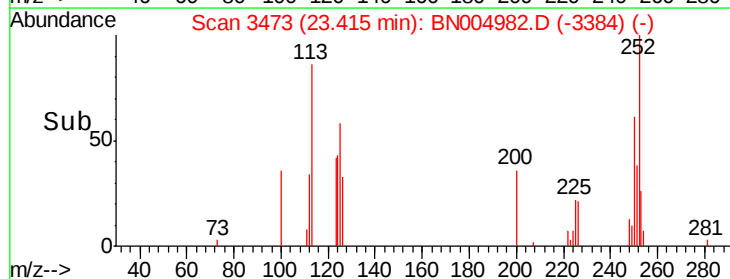
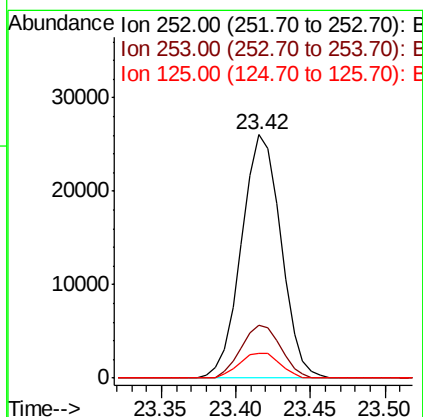
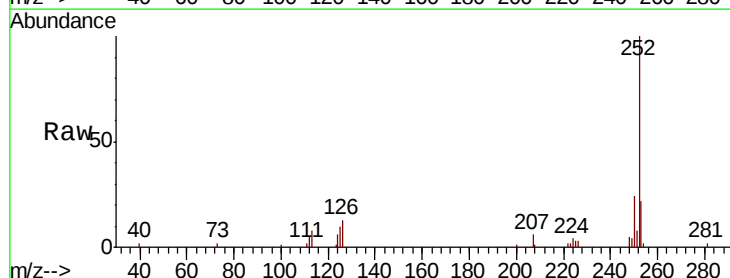
RT: 23.42 min Scan# 3473

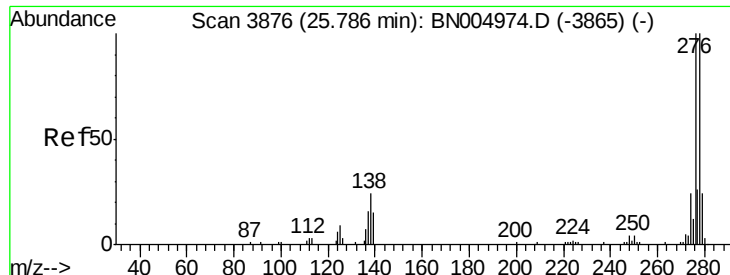
Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Tgt Ion:	252	Resp:	47920
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.7	26.5
125	10.4	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 15.689 ng

RT: 25.78 min Scan# 3875

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

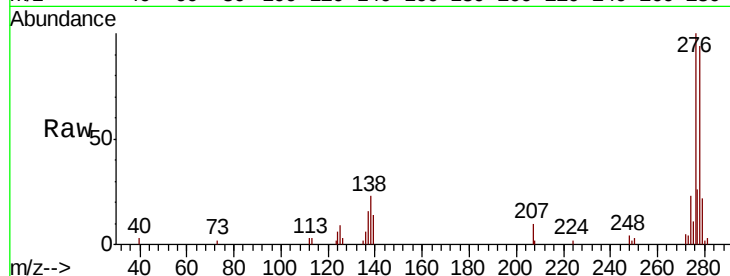
Tgt Ion:278 Resp: 44563

Ion Ratio Lower Upper

278 100

139 14.8 11.8 17.8

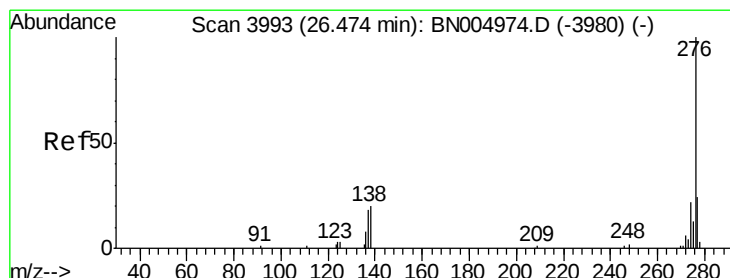
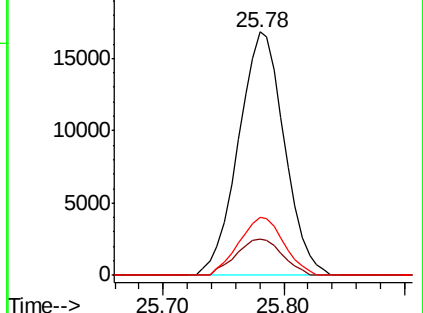
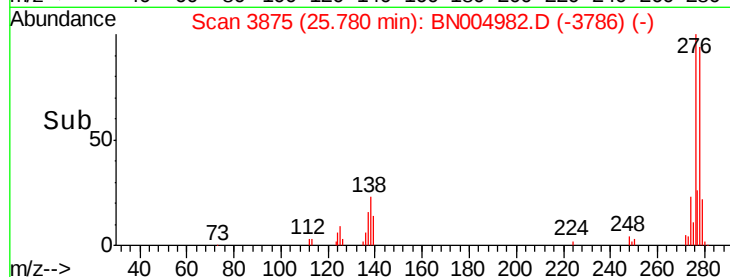
279 23.9 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 15.419 ng

RT: 26.47 min Scan# 3992

Delta R.T. -0.01 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

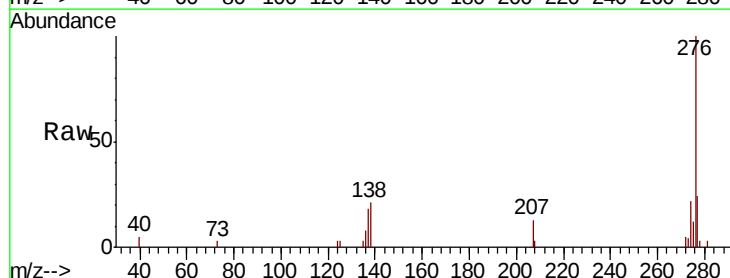
Tgt Ion:276 Resp: 43313

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 20.8 16.2 24.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

