

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004981.D
 Acq On : 26 Mar 2019 17:54
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 8 PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 27 05:08:11 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	8752	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	37223	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	21953	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	50198	20.00	ng	0.00
76) Chrysene-d12	21.27	240	52246	20.00	ng	0.00
87) Perylene-d12	23.52	264	49167	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	64731	127.87	ng	0.00
7) Phenol-d6	6.85	99	84725	126.19	ng	0.00
23) Nitrobenzene-d5	8.84	82	54329	88.29	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	49769	140.57	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	145779	88.00	ng	0.00
79) Terphenyl-d14	19.71	244	236049	86.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	1354	7.340	ng	# 83
3) Pyridine	3.60	79	3465	6.721	ng	97
4) n-Nitrosodimethylamine	3.53	42	895	5.325	ng	# 90
6) Aniline	7.02	93	6500	7.602	ng	99
8) 2-Chlorophenol	7.24	128	5019	7.810	ng	98
9) Benzaldehyde	6.83	77	3415	8.851	ng	98
10) Phenol	6.88	94	5441	7.563	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	4365	7.846	ng	99
12) 1,3-Dichlorobenzene	7.71	146	5548	7.924	ng	99
13) 1,4-Dichlorobenzene	8.02	146	5311	7.494	ng	99
14) 1,2-Dichlorobenzene	8.02	146	5311	7.831	ng	99
15) Benzyl Alcohol	7.92	79	3467	6.787	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.20	45	5238	7.803	ng	83
17) 2-Methylphenol	8.12	107	3681	7.339	ng	98
18) Hexachloroethane	8.74	117	1818	7.237	ng	96
19) n-Nitroso-di-n-propylamine	8.48	70	3436	7.806	ng	# 96
20) 3+4-Methylphenols	8.45	107	4947	7.264	ng	99
22) Acetophenone	8.50	105	6966	8.198	ng	99
24) Nitrobenzene	8.88	77	5079	8.156	ng	98
25) Isophorone	9.39	82	9855	8.221	ng	98
26) 2-Nitrophenol	9.59	139	2566	7.096	ng	96
27) 2,4-Dimethylphenol	9.65	122	3840	7.628	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	6106	8.221	ng	100
29) 2,4-Dichlorophenol	10.12	162	4447	7.686	ng	99
30) 1,2,4-Trichlorobenzene	10.32	180	5185	8.135	ng	99
31) Naphthalene	10.51	128	16338	8.413	ng	100
32) Benzoic acid	9.74	122	1562	9.097	ng	100
33) 4-Chloroaniline	10.63	127	6087	7.704	ng	99
34) Hexachlorobutadiene	10.77	225	3310	8.026	ng	98
35) Caprolactam	11.40	113	1179	6.223	ng	96
36) 4-Chloro-3-methylphenol	11.76	107	4867	7.787	ng	98
37) 2-Methylnaphthalene	12.13	142	11539	8.414	ng	98
38) 1-Methylnaphthalene	12.35	142	11373	8.475	ng	# 99
40) 1,2,4,5-Tetrachlorobenzene	12.50	216	6178	7.934	ng	# 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	2041	8.862	ng	93
43) 2,4,6-Trichlorophenol	12.75	196	3488	7.219	ng	98
44) 2,4,5-Trichlorophenol	12.83	196	3768	7.159	ng	99
46) 1,1'-Biphenyl	13.15	154	15602	8.397	ng	99
47) 2-Chloronaphthalene	13.19	162	11703	8.208	ng	99
48) 2-Nitroaniline	13.42	65	2733	7.201	ng	100
49) Acenaphthylene	14.05	152	19876	8.288	ng	99
50) Dimethylphthalate	13.78	163	15311	8.489	ng	99
51) 2,6-Dinitrotoluene	13.91	165	3148	7.670	ng	98
52) Acenaphthene	14.39	154	11394	8.446	ng	99
53) 3-Nitroaniline	14.25	138	2954	7.042	ng	# 96
54) 2,4-Dinitrophenol	14.46	184	905	10.573	ng	98
55) Dibenzofuran	14.72	168	18256	8.505	ng	99
56) 4-Nitrophenol	14.57	139	2002	6.058	ng	99
57) 2,4-Dinitrotoluene	14.70	165	4348	7.796	ng	# 98
58) Fluorene	15.37	166	14916	8.602	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.95	232	3624	7.426	ng	# 94
60) Diethylphthalate	15.15	149	15199	8.445	ng	99
61) 4-Chlorophenyl-phenylether	15.37	204	7684	8.590	ng	97
62) 4-Nitroaniline	15.41	138	2981	7.073	ng	97
63) Azobenzene	15.66	77	12606	8.414	ng	97
65) 4,6-Dinitro-2-methylphenol	15.47	198	1840	8.241	ng	97
66) n-Nitrosodiphenylamine	15.59	169	12836	8.118	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	4973	7.939	ng	97
68) Hexachlorobenzene	16.37	284	5899	8.038	ng	98
69) Atrazine	16.54	200	4592	8.129	ng	99
70) Pentachlorophenol	16.73	266	2060	5.339	ng	99
71) Phenanthrene	17.12	178	23535	8.344	ng	100
72) Anthracene	17.20	178	23098	8.227	ng	99
73) Carbazole	17.49	167	21182	8.289	ng	99
74) Di-n-butylphthalate	18.03	149	25220	8.102	ng	99
75) Fluoranthene	19.14	202	27333	8.494	ng	99
77) Benzidine	19.33	184	8900	5.466	ng	98
78) Pyrene	19.50	202	28252	8.098	ng	100
80) Butylbenzylphthalate	20.40	149	10955	7.728	ng	99
81) Benzo(a)anthracene	21.26	228	27231	8.367	ng	99
82) 3,3'-Dichlorobenzidine	21.20	252	9568	7.862	ng	99
83) Chrysene	21.31	228	25874	8.324	ng	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	15408	7.856	ng	100
85) Di-n-octyl phthalate	22.05	149	25195	7.960	ng	# 100
86) Indeno(1,2,3-cd)pyrene	25.77	276	26514	7.508	ng	99
88) Benzo(b)fluoranthene	22.84	252	25690	8.489	ng	99
89) Benzo(k)fluoranthene	22.89	252	23426	8.441	ng	99
90) Benzo(a)pyrene	23.42	252	22712	8.201	ng	98
91) Dibenzo(a,h)anthracene	25.79	278	21811	7.845	ng	100
92) Benzo(g,h,i)perylene	26.47	276	21443	7.799	ng	99

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

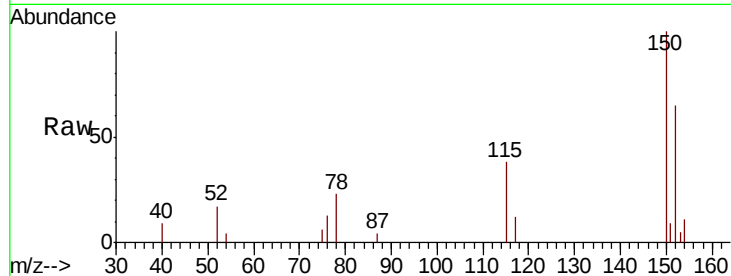


#1

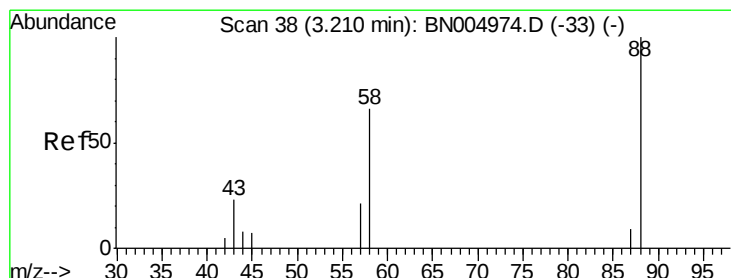
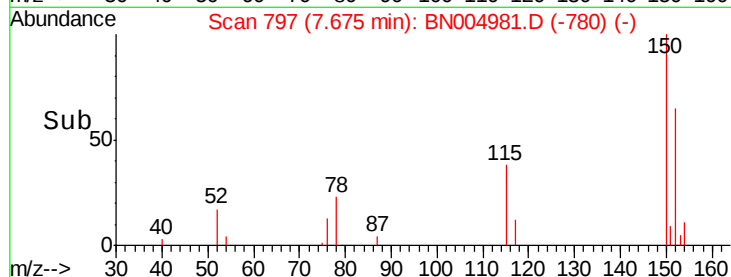
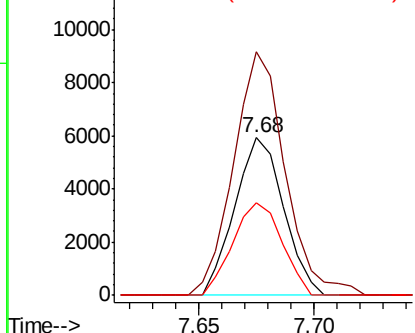
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tgt Ion:152 Resp: 8752
Ion Ratio Lower Upper
152 100
150 154.5 126.9 190.3
115 59.1 47.8 71.6



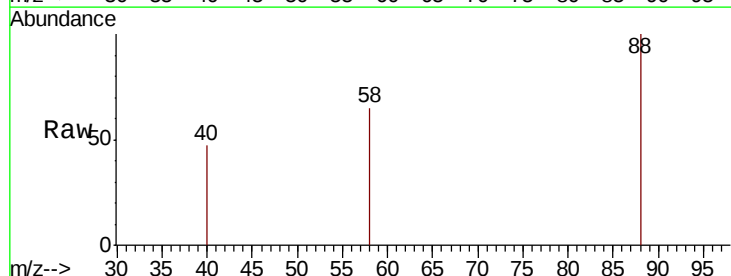
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



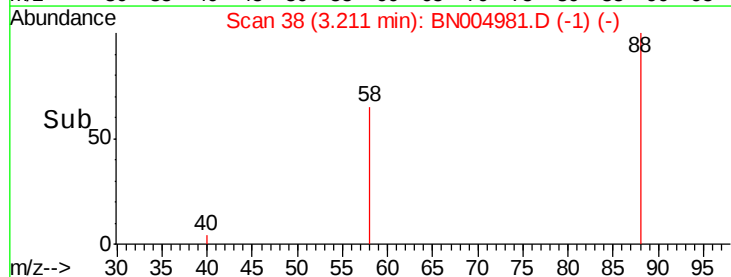
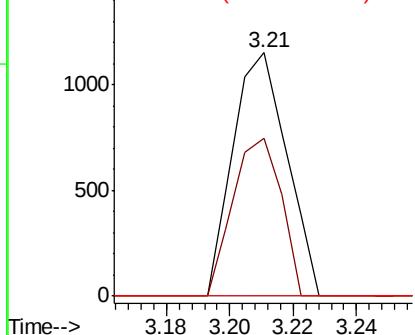
#2

1,4-Dioxane
Concen: 7.340 ng
RT: 3.21 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion: 88 Resp: 1354
Ion Ratio Lower Upper
88 100
58 58.0 51.0 76.6
43 0.0 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: 6.721 ng

RT: 3.60 min Scan# 105

Delta R.T. 0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

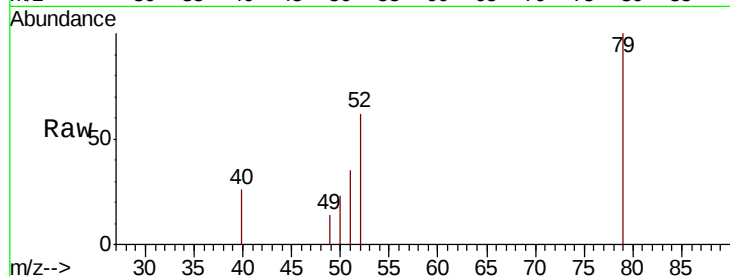
Tgt Ion: 79 Resp: 3465

Ion Ratio Lower Upper

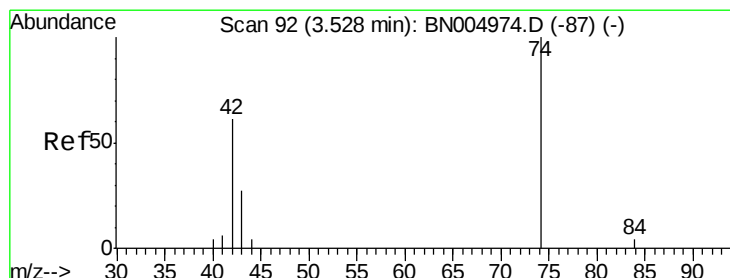
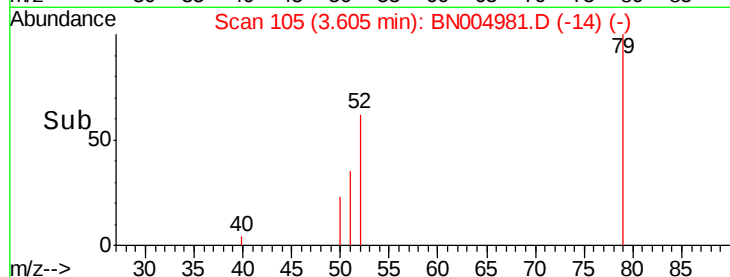
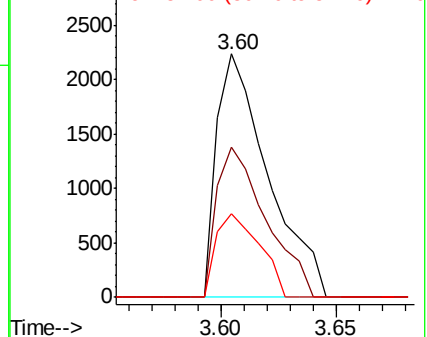
79 100

52 61.7 50.2 75.4

51 34.6 25.0 37.4



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 52.00 (51.70 to 52.70): BN0
Ion 51.00 (50.70 to 51.70): BN0



#4

n-Nitrosodimethylamine

Concen: 5.325 ng

RT: 3.53 min Scan# 92

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

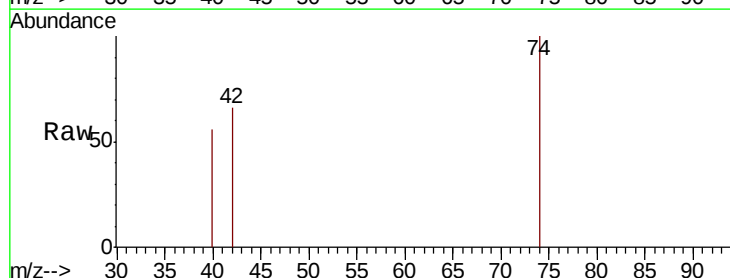
Tgt Ion: 42 Resp: 895

Ion Ratio Lower Upper

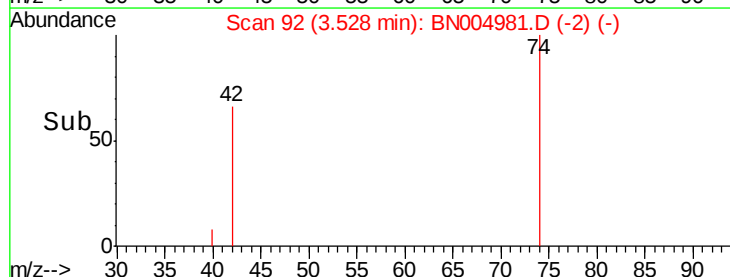
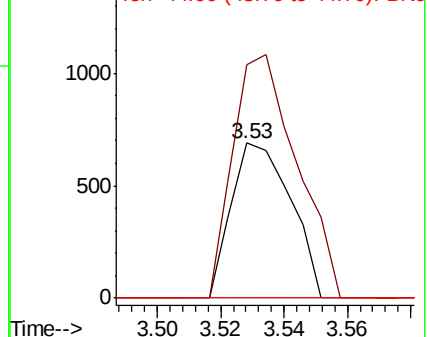
42 100

74 150.5 130.8 196.2

44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0





#5

2-Fluorophenol

Concen: 127.872 ng

RT: 5.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

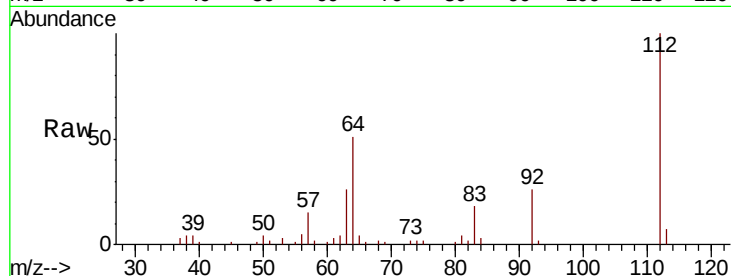
Tgt Ion: 112 Resp: 64731

Ion Ratio Lower Upper

112 100

64 51.5 41.9 62.9

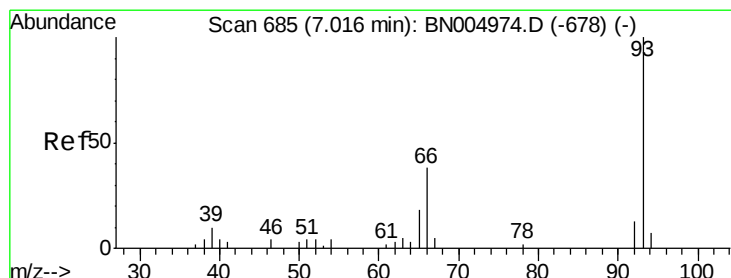
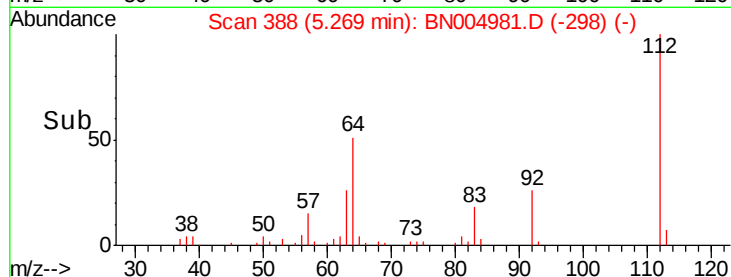
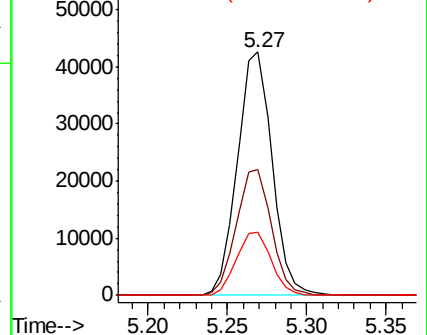
63 25.8 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#6

Aniline

Concen: 7.602 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

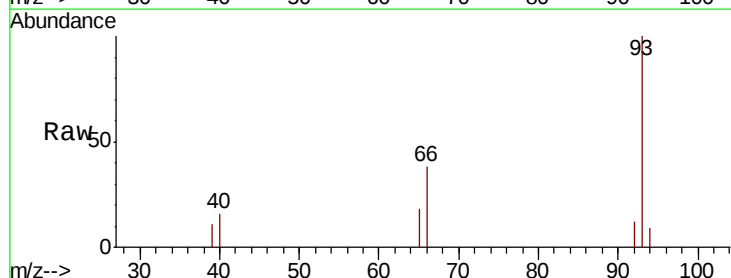
Tgt Ion: 93 Resp: 6500

Ion Ratio Lower Upper

93 100

66 38.4 30.2 45.4

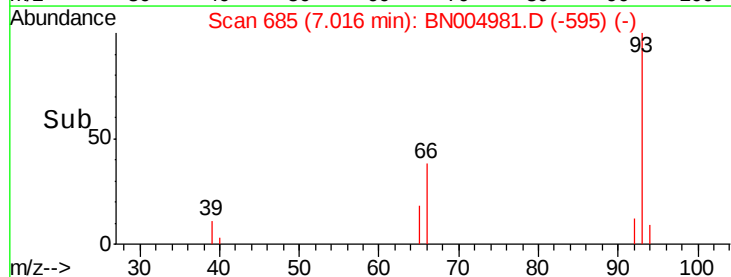
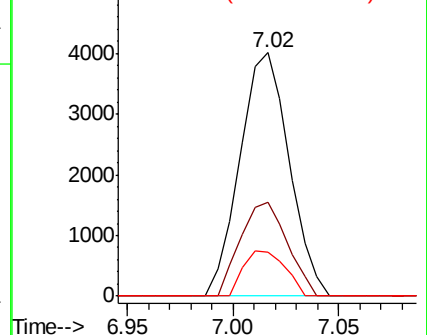
65 18.2 14.7 22.1

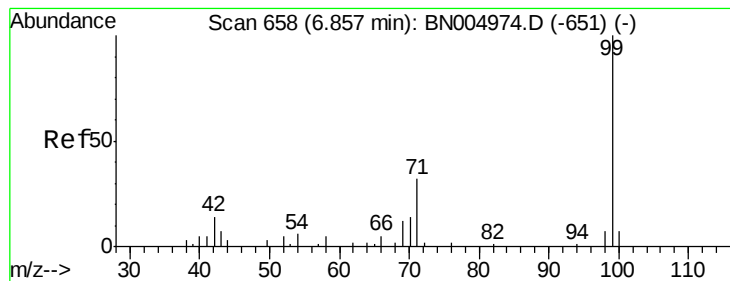


Abundance Ion 93.00 (92.70 to 93.70): BNO

Ion 66.00 (65.70 to 66.70): BNO

Ion 65.00 (64.70 to 65.70): BNO





#7

Phenol-d6

Concen: 126.188 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BN004981.D

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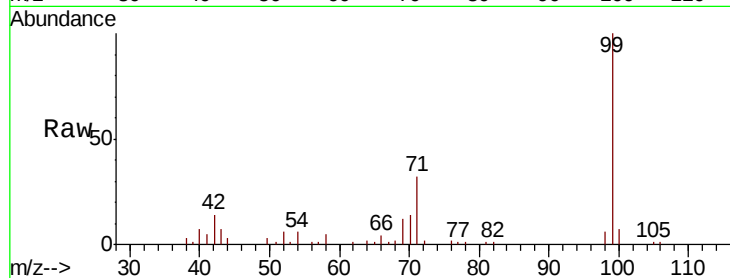
Tgt Ion: 99 Resp: 84725

Ion Ratio Lower Upper

99 100

42 14.2 11.4 17.0

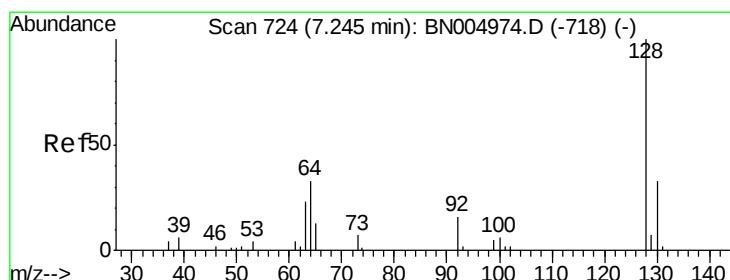
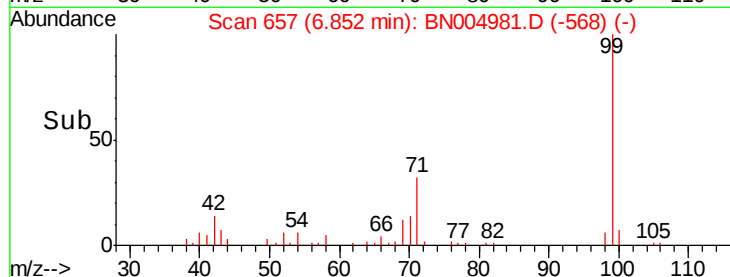
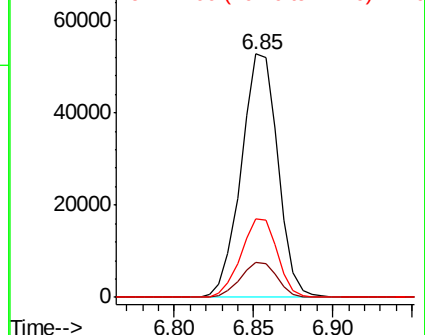
71 32.3 25.8 38.8



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: 7.810 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

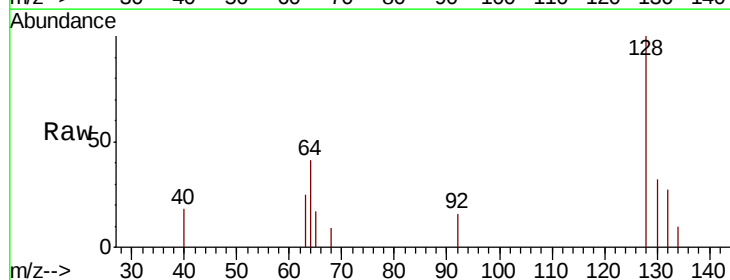
Tgt Ion: 128 Resp: 5019

Ion Ratio Lower Upper

128 100

130 31.9 12.9 52.9

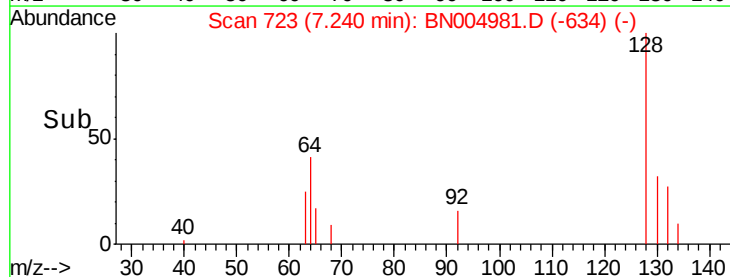
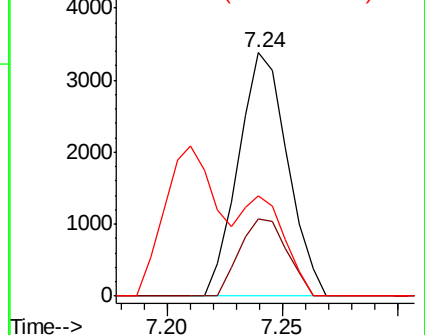
64 41.1 19.9 59.9



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: 8.851 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BN004981.D

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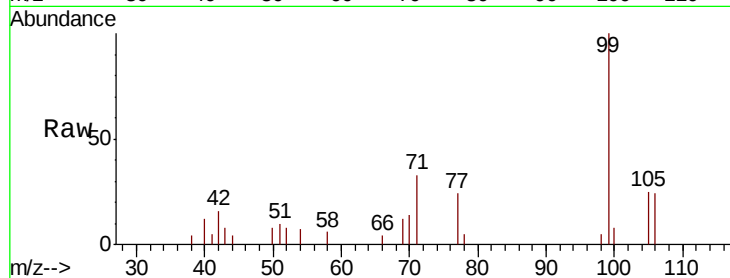
Tgt Ion: 77 Resp: 3415

Ion Ratio Lower Upper

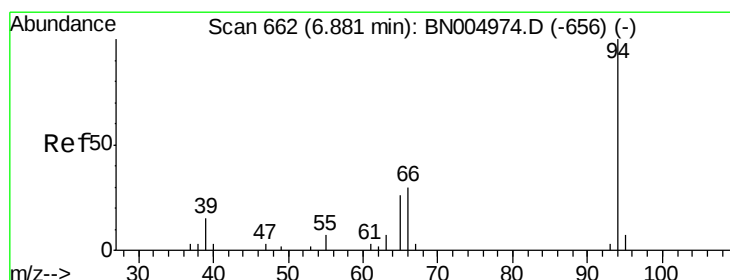
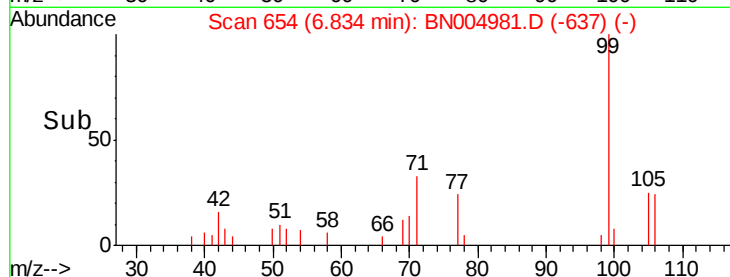
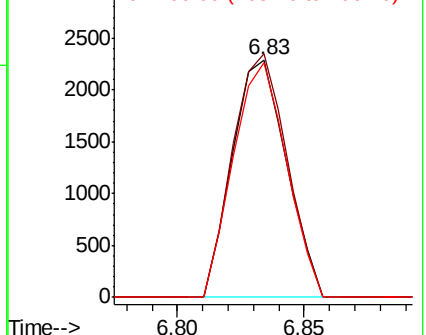
77 100

105 102.5 86.1 126.1

106 98.9 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: 7.563 ng

RT: 6.88 min Scan# 662

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

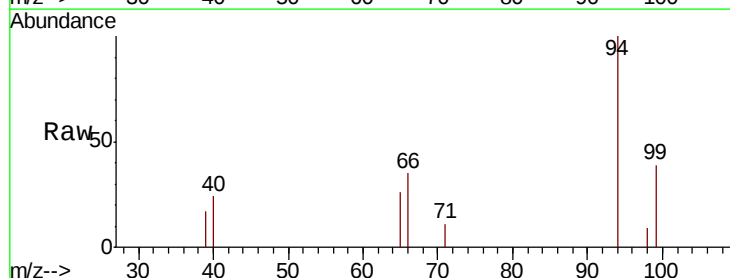
Tgt Ion: 94 Resp: 5441

Ion Ratio Lower Upper

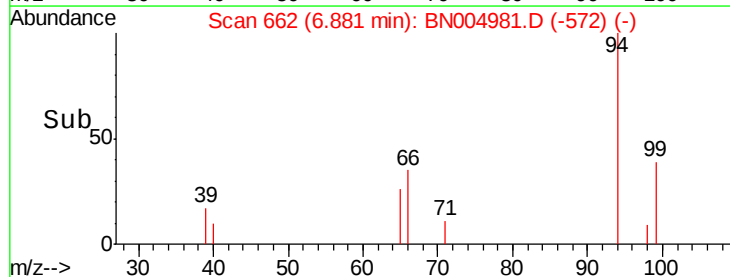
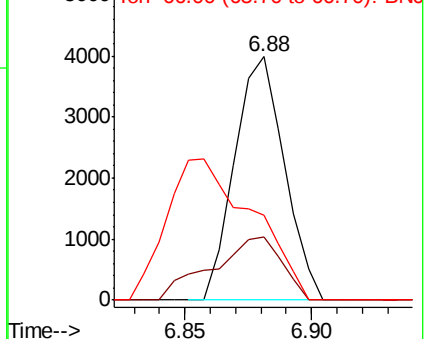
94 100

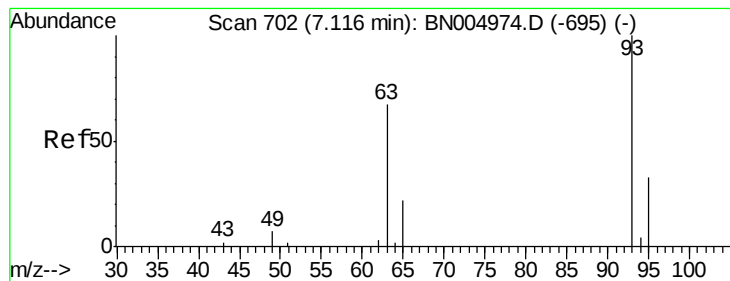
65 26.1 5.7 45.7

66 35.1 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: 7.846 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

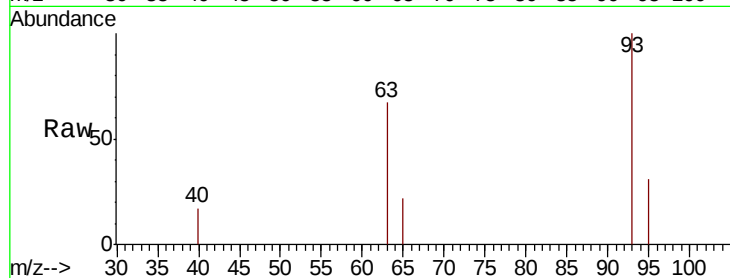
Tgt Ion: 93 Resp: 4365

Ion Ratio Lower Upper

93 100

63 66.9 47.0 87.0

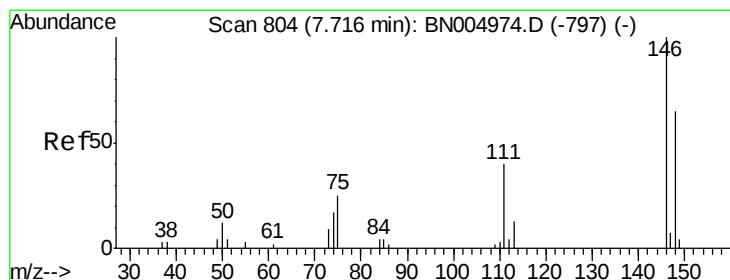
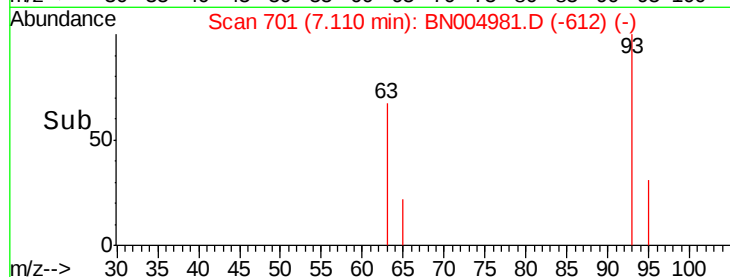
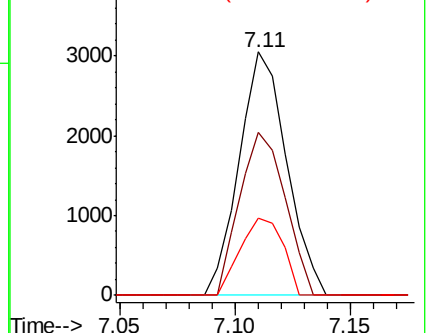
95 31.5 12.7 52.7



Abundance Ion 93.00 (92.70 to 93.70): BN004974.D (-695) (-)

Ion 63.00 (62.70 to 63.70): BN004974.D (-695) (-)

Ion 95.00 (94.70 to 95.70): BN004974.D (-695) (-)



#12

1,3-Dichlorobenzene

Concen: 7.924 ng

RT: 7.71 min Scan# 803

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

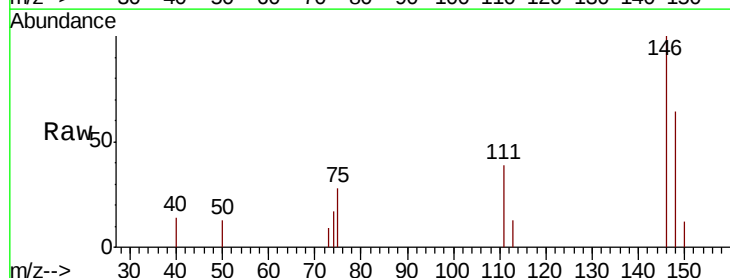
Tgt Ion: 146 Resp: 5548

Ion Ratio Lower Upper

146 100

148 64.4 52.0 78.0

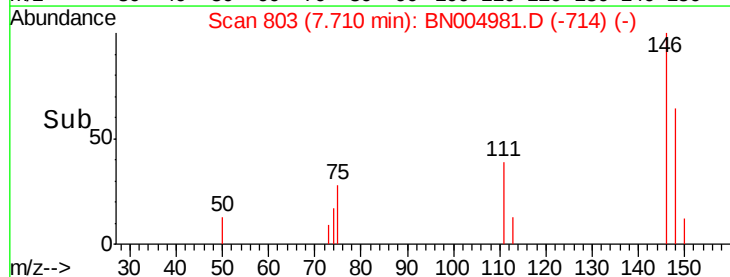
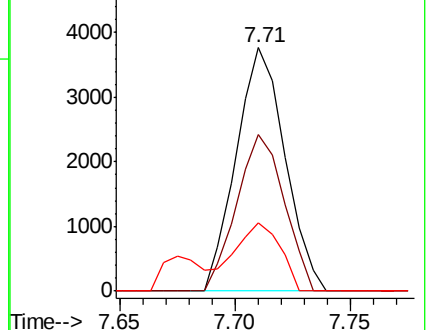
75 27.9 22.0 33.0

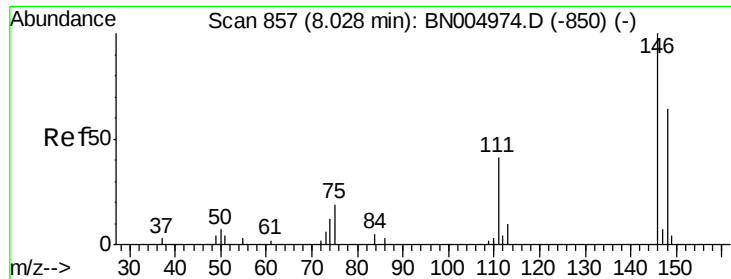


Abundance Ion 146.00 (145.70 to 146.70): BN004974.D (-797) (-)

Ion 148.00 (147.70 to 148.70): BN004974.D (-797) (-)

Ion 75.00 (74.70 to 75.70): BN004974.D (-797) (-)

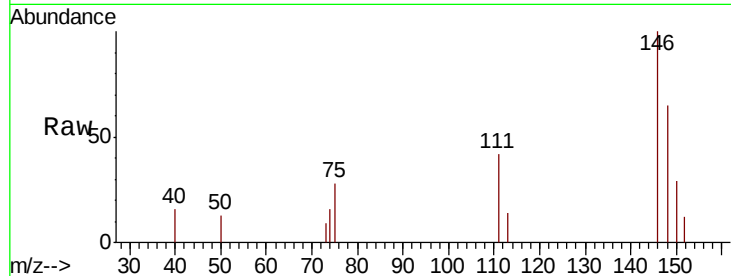




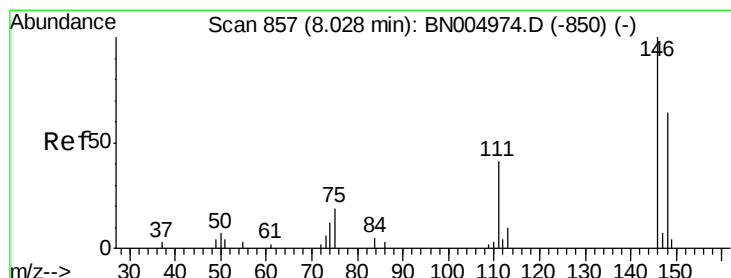
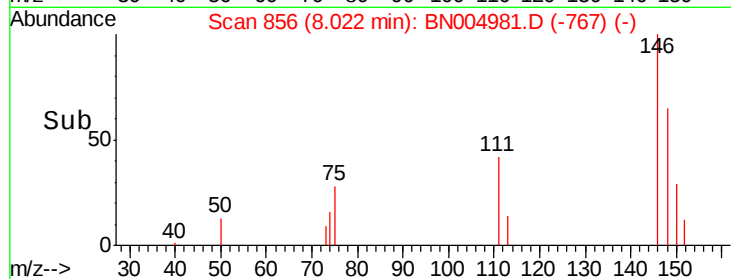
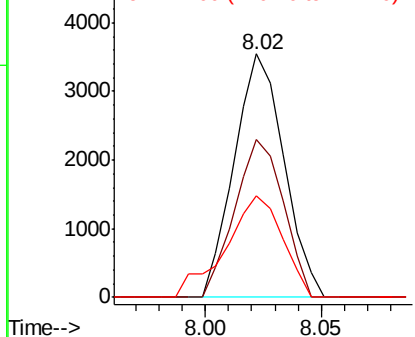
#13
 1,4-Dichlorobenzene
 Concen: 7.494 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:146 Resp: 5311
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.4 77.2
 111 41.7 32.6 49.0

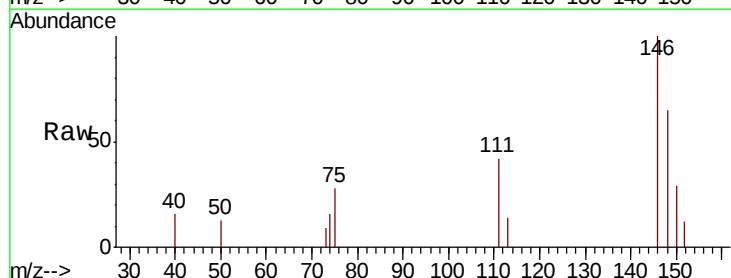


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

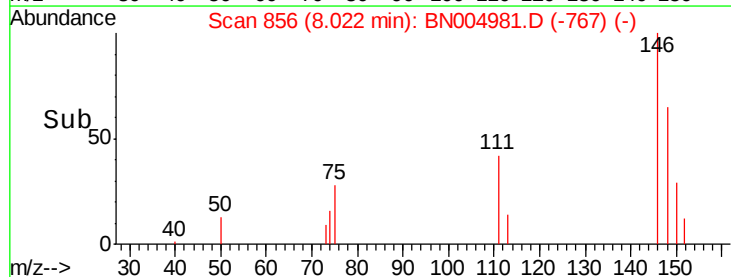
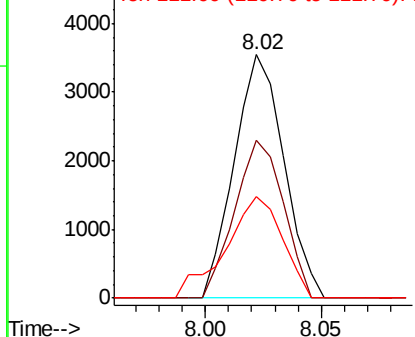


#14
 1,2-Dichlorobenzene
 Concen: 7.831 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:146 Resp: 5311
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.4 77.2
 111 41.7 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: 6.787 ng

RT: 7.92 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

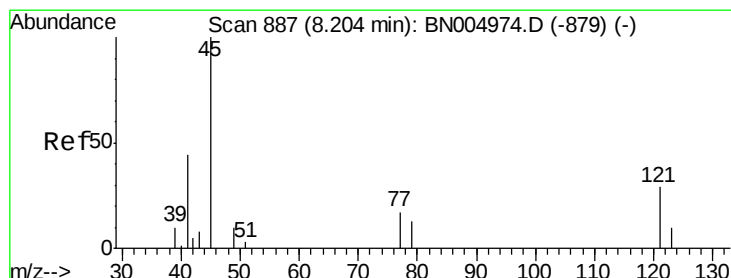
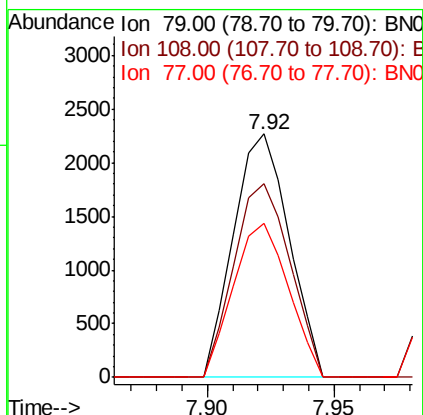
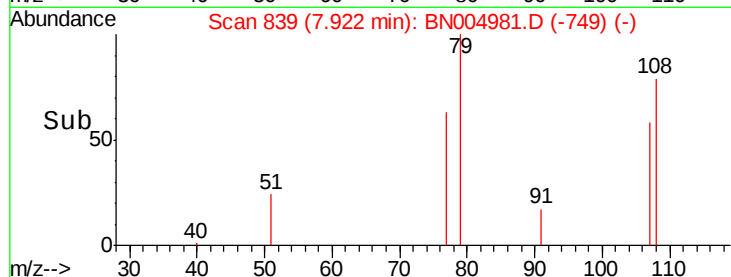
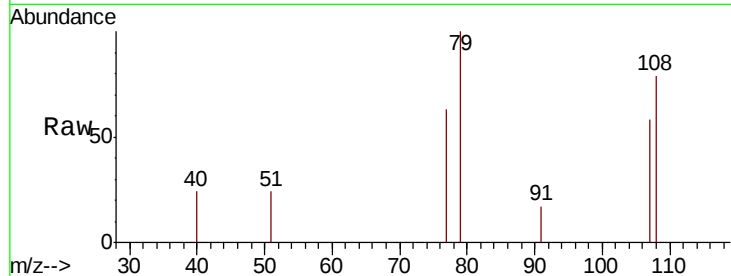
Tgt Ion: 79 Resp: 3467

Ion Ratio Lower Upper

79 100

108 79.4 64.0 96.0

77 63.2 48.8 73.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.803 ng

RT: 8.20 min Scan# 887

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

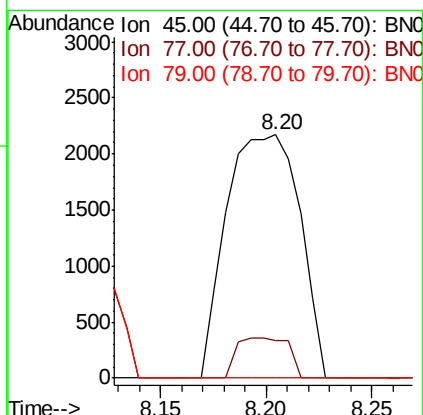
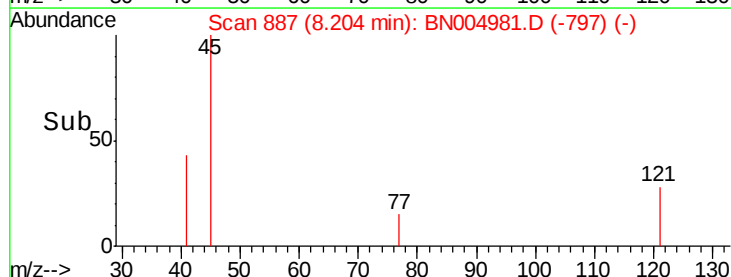
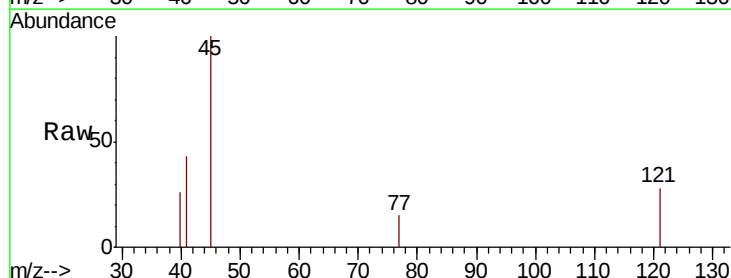
Tgt Ion: 45 Resp: 5238

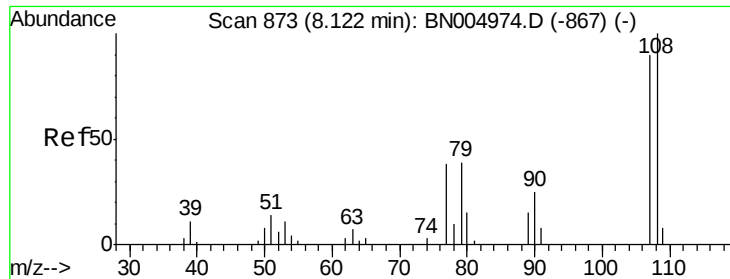
Ion Ratio Lower Upper

45 100

77 15.4 0.0 36.9

79 0.0 0.0 33.3

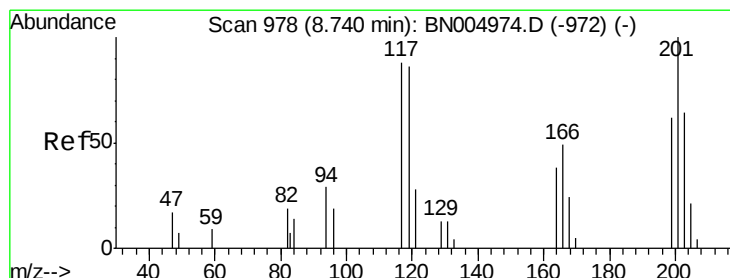
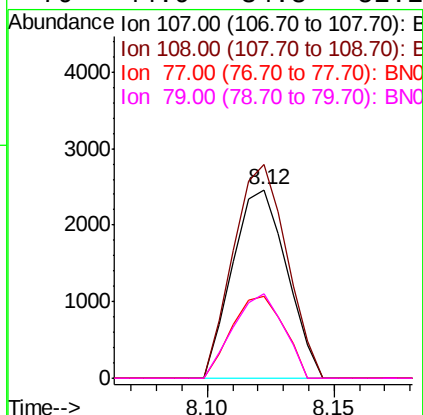
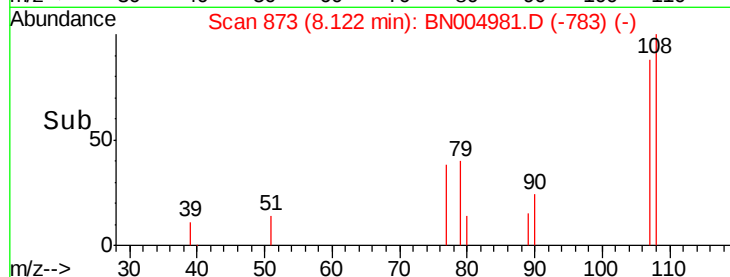
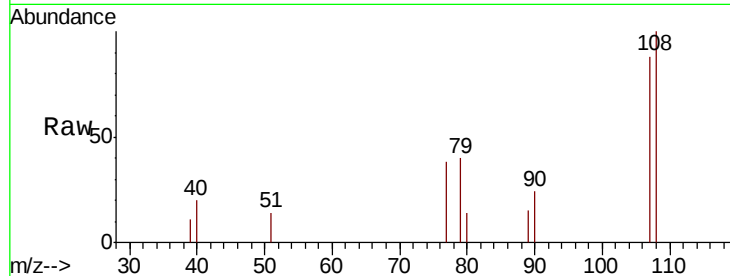




#17
2-Methylphenol
Concen: 7.339 ng
RT: 8.12 min Scan# 873
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

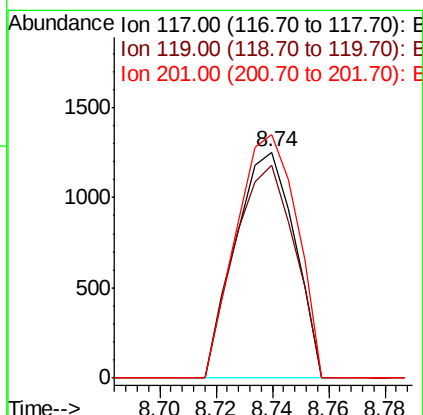
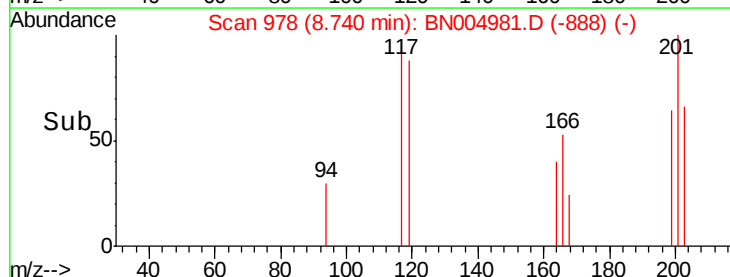
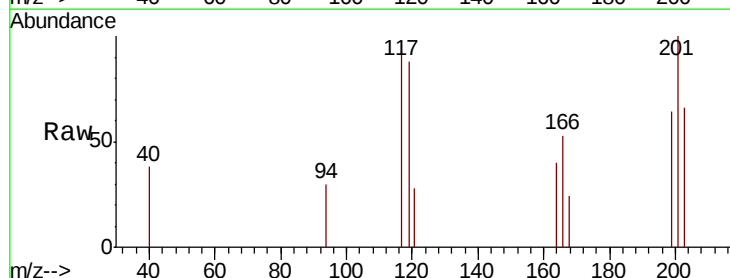
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

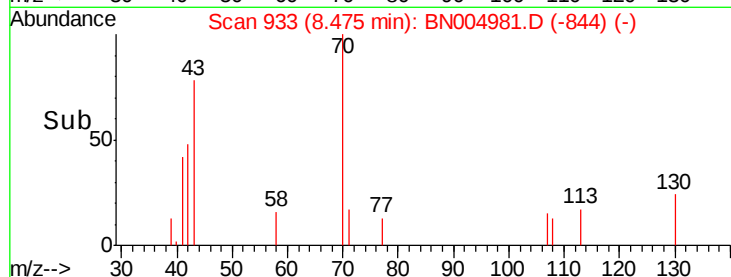
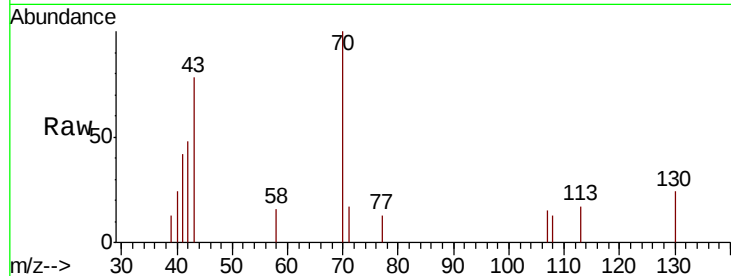
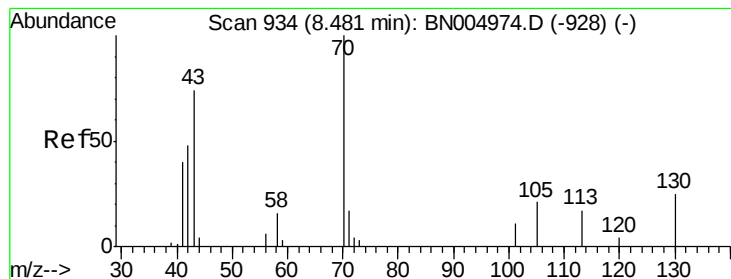
Tgt Ion:107 Resp: 3681
Ion Ratio Lower Upper
107 100
108 113.3 88.8 133.2
77 43.2 34.2 51.2
79 44.9 34.8 52.2



#18
Hexachloroethane
Concen: 7.237 ng
RT: 8.74 min Scan# 978
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion:117 Resp: 1818
Ion Ratio Lower Upper
117 100
119 94.3 77.5 116.3
201 107.7 90.5 135.7





#19

n-Nitroso-di-n-propylamine

Concen: 7.806 ng

RT: 8.48 min Scan# 933

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 70 Resp: 3436

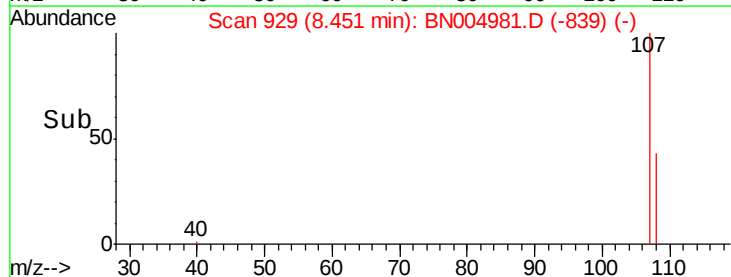
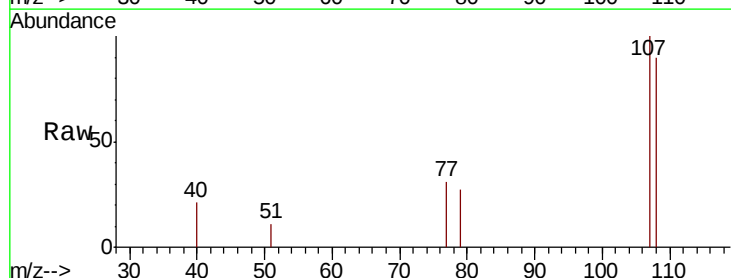
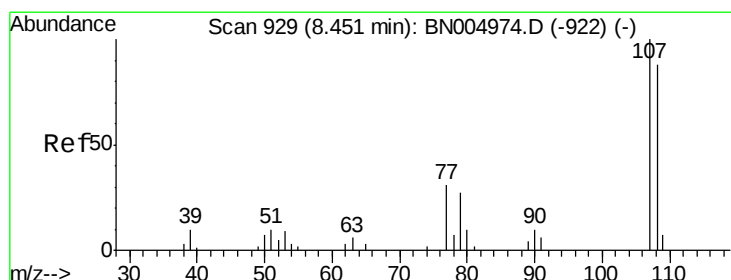
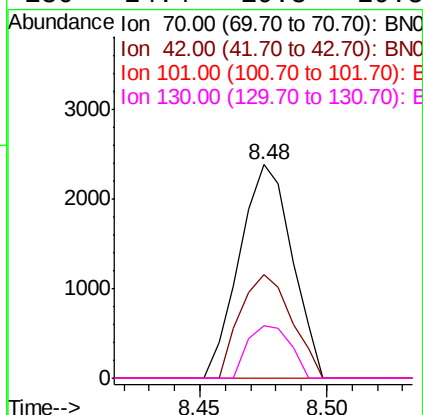
Ion Ratio Lower Upper

70 100

42 48.4 38.4 57.6

101 0.0 8.8 13.2#

130 24.4 19.8 29.8



#20

3+4-Methylphenols

Concen: 7.264 ng

RT: 8.45 min Scan# 929

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Tgt Ion: 107 Resp: 4947

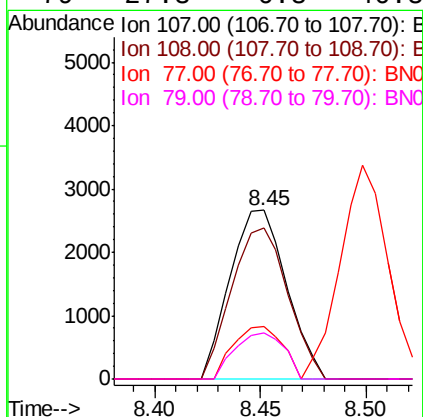
Ion Ratio Lower Upper

107 100

108 89.5 67.9 107.9

77 30.8 10.6 50.6

79 27.3 6.8 46.8

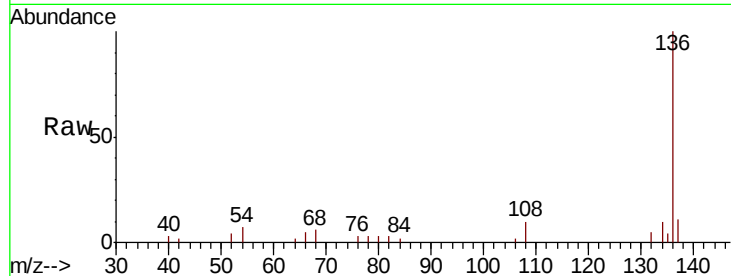




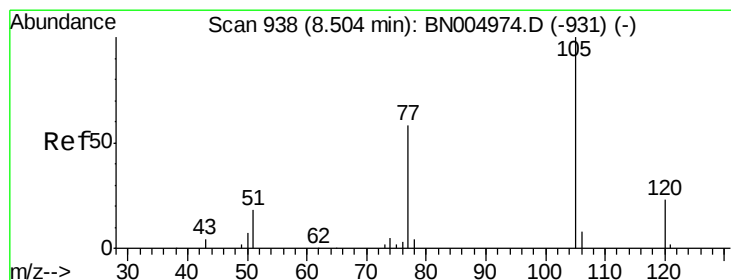
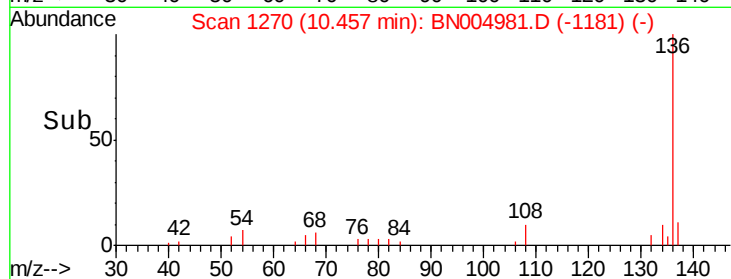
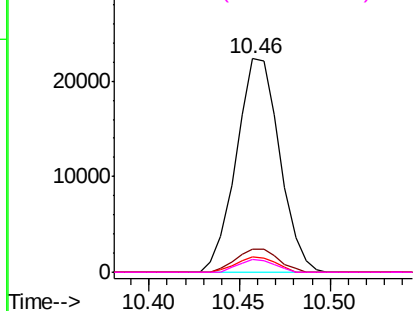
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tgt Ion:136	Resp:	37223
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.0	5.3	7.9
68 5.8	4.6	6.8

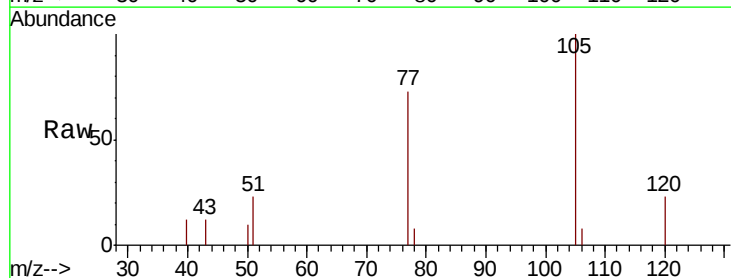


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

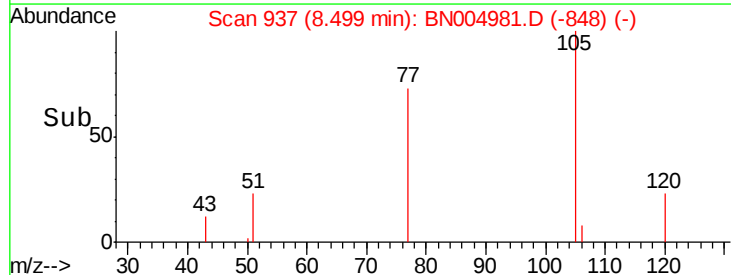
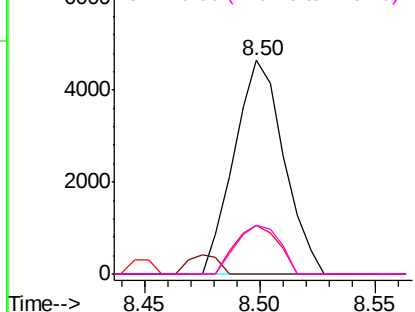


#22
Acetophenone
Concen: 8.198 ng
RT: 8.50 min Scan# 937
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion	Ion:105	Resp:	6966
105	Ratio 100	Lower	Upper
71	0.0	0.0	0.0
51	22.6	17.8	26.8
120	22.6	18.6	27.8



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BNC
Ion 51.00 (50.70 to 51.70): BNC
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.291 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

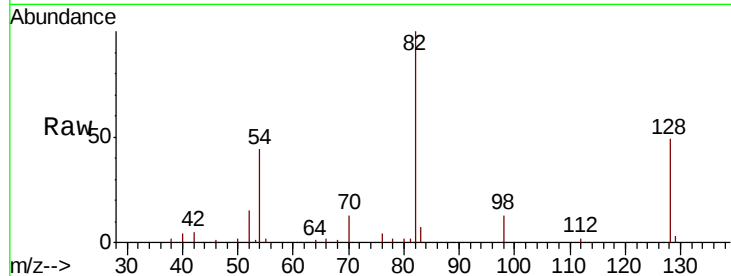
Tgt Ion: 82 Resp: 54329

Ion Ratio Lower Upper

82 100

128 48.8 40.6 60.8

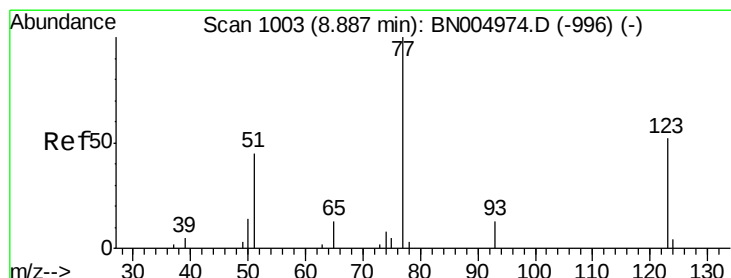
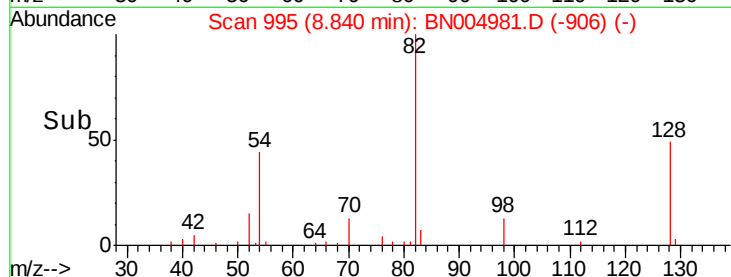
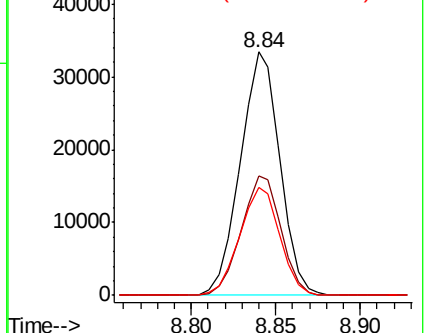
54 44.2 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN004974.D (-988) (-)

Ion 128.00 (127.70 to 128.70): BN004974.D (-988) (-)

Ion 54.00 (53.70 to 54.70): BN004974.D (-988) (-)



#24

Nitrobenzene

Concen: 8.156 ng

RT: 8.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

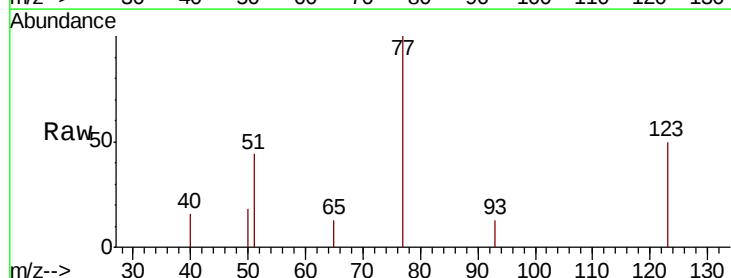
Tgt Ion: 77 Resp: 5079

Ion Ratio Lower Upper

77 100

123 49.8 41.3 61.9

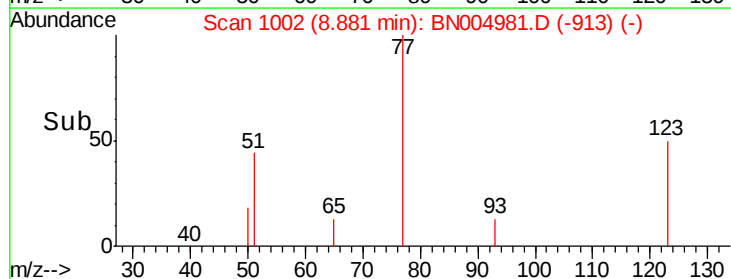
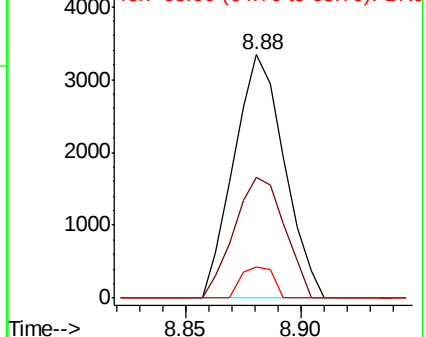
65 12.6 10.3 15.5



Abundance Ion 77.00 (76.70 to 77.70): BN004974.D (-996) (-)

Ion 123.00 (122.70 to 123.70): BN004974.D (-996) (-)

Ion 65.00 (64.70 to 65.70): BN004974.D (-996) (-)





#25

Isophorone

Concen: 8.221 ng

RT: 9.39 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

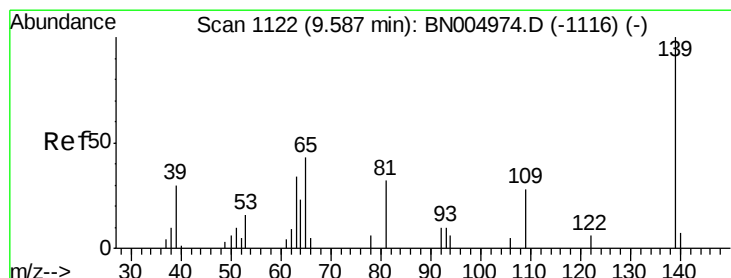
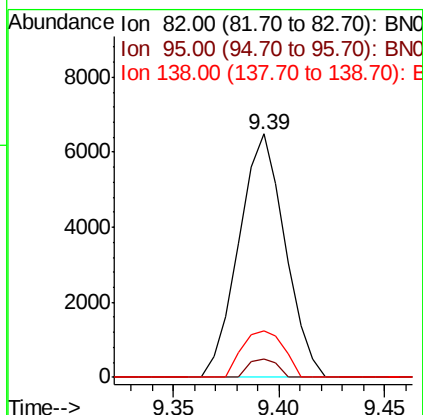
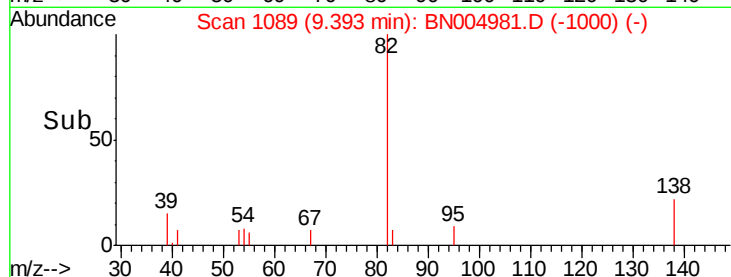
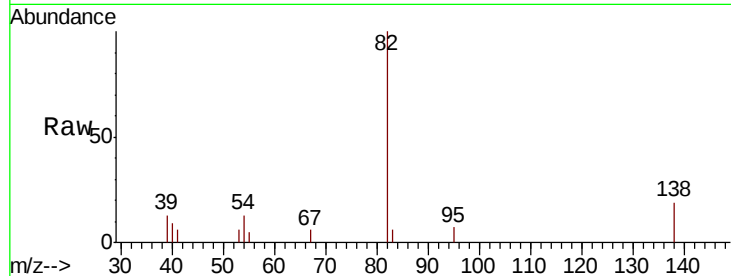
Tgt Ion: 82 Resp: 9855

Ion Ratio Lower Upper

82 100

95 7.4 6.1 9.1

138 19.2 16.2 24.2



#26

2-Nitrophenol

Concen: 7.096 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

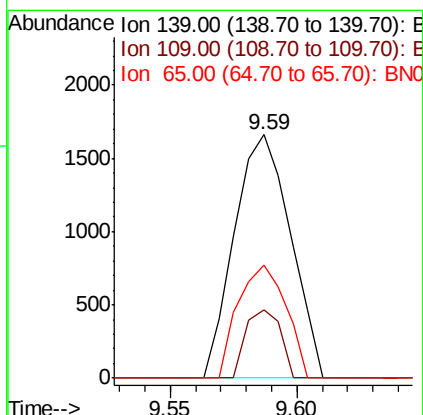
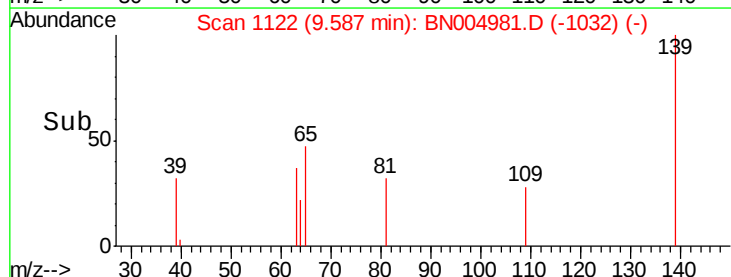
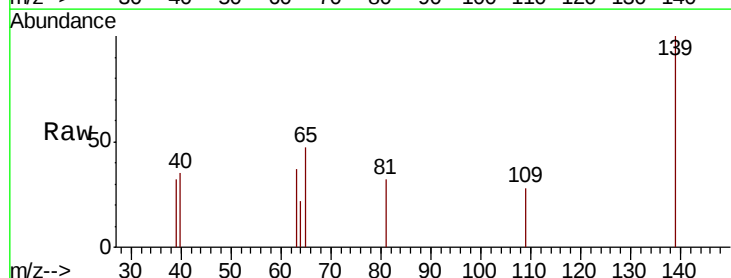
Tgt Ion: 139 Resp: 2566

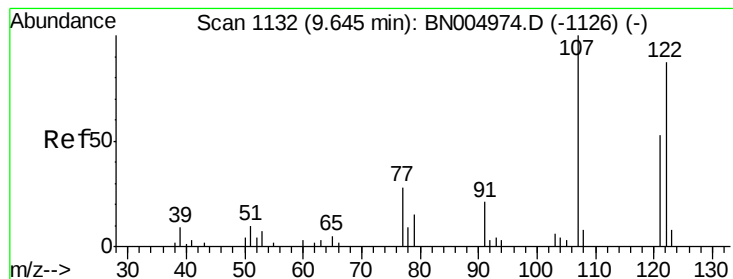
Ion Ratio Lower Upper

139 100

109 27.9 22.5 33.7

65 46.7 34.2 51.4





#27

2,4-Dimethylphenol

Concen: 7.628 ng

RT: 9.65 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

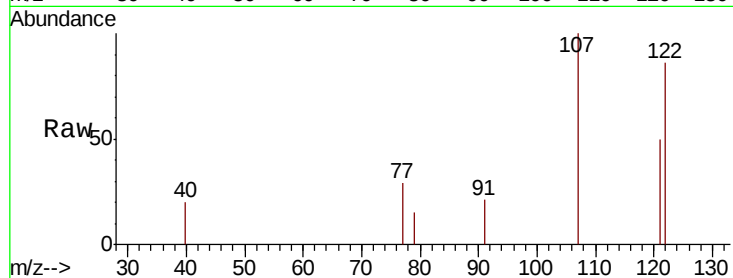
Tgt Ion: 122 Resp: 3840

Ion Ratio Lower Upper

122 100

107 116.2 91.6 137.4

121 58.0 48.2 72.2

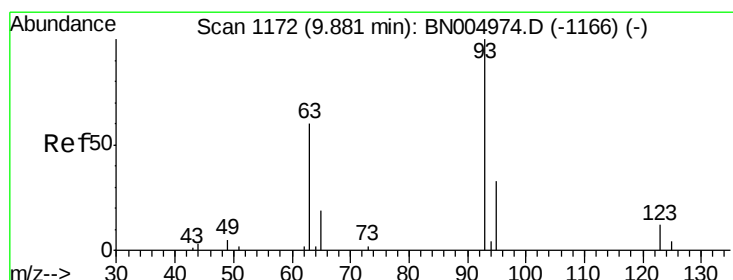
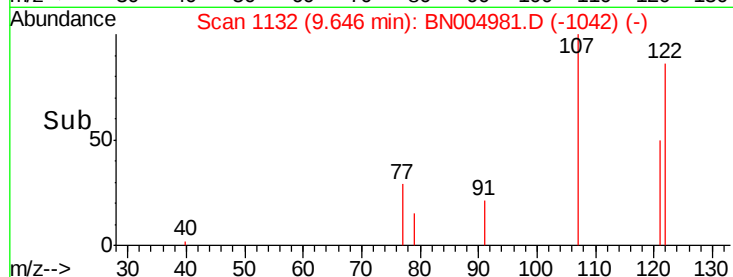
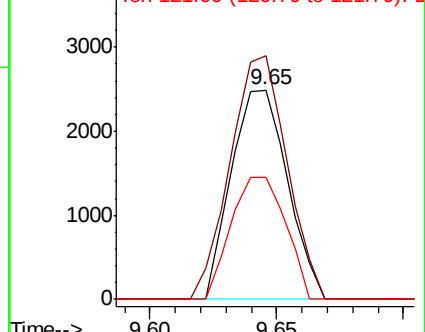


Abundance

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: 8.221 ng

RT: 9.88 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

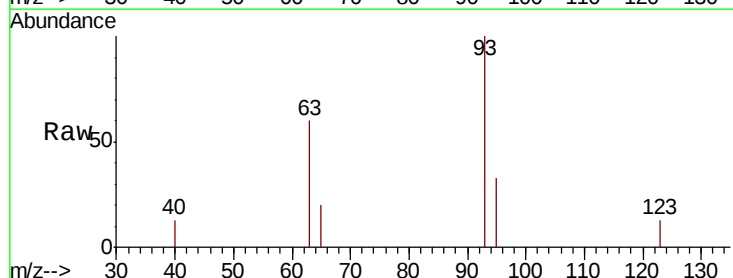
Tgt Ion: 93 Resp: 6106

Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

123 12.6 9.8 14.8

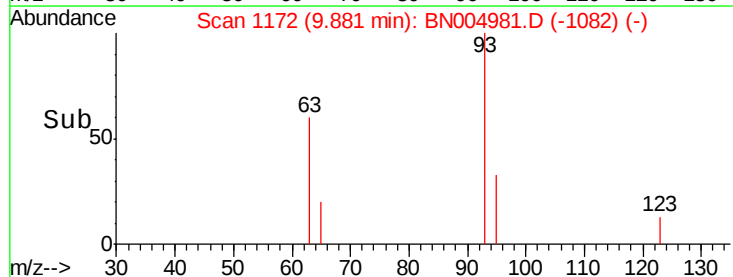
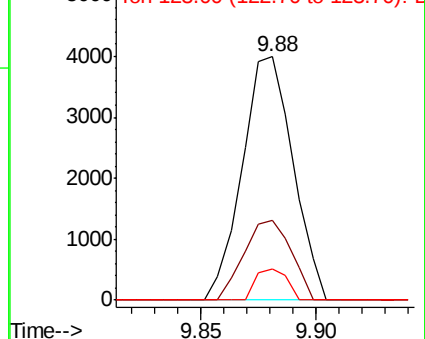


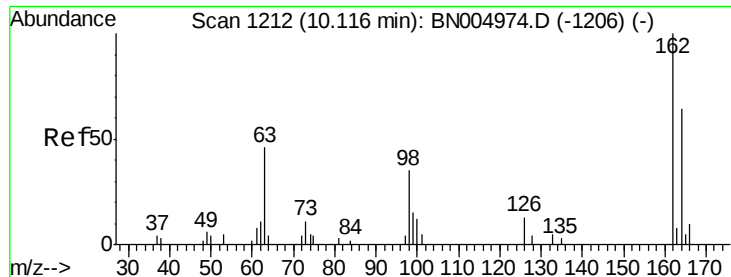
Abundance

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

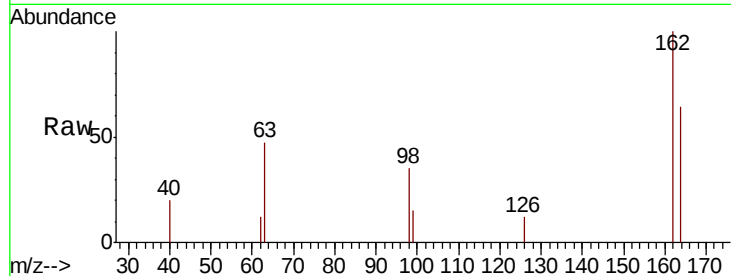




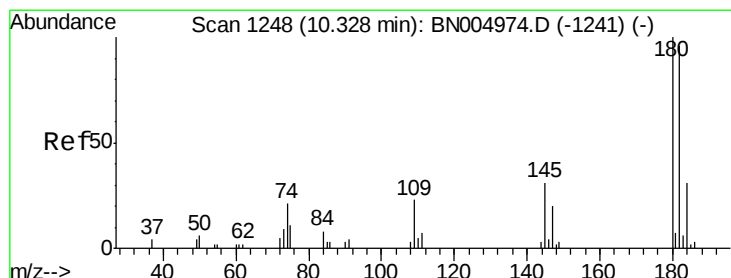
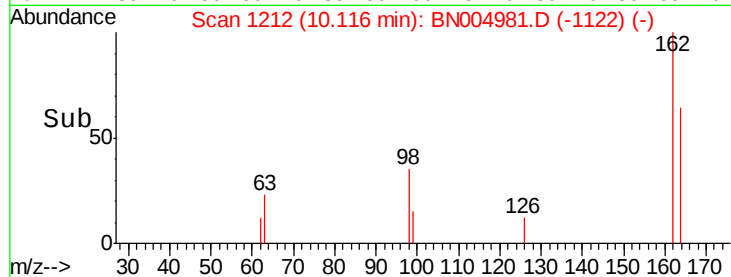
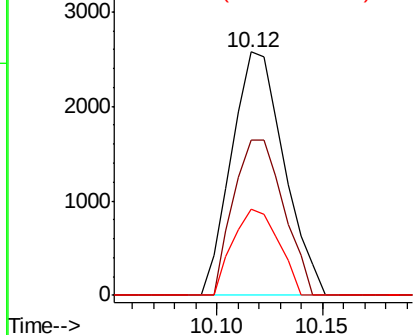
#29
 2,4-Dichlorophenol
 Concen: 7.686 ng
 RT: 10.12 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:162 Resp: 4447
 Ion Ratio Lower Upper
 162 100
 164 63.6 44.3 84.3
 98 35.4 15.3 55.3

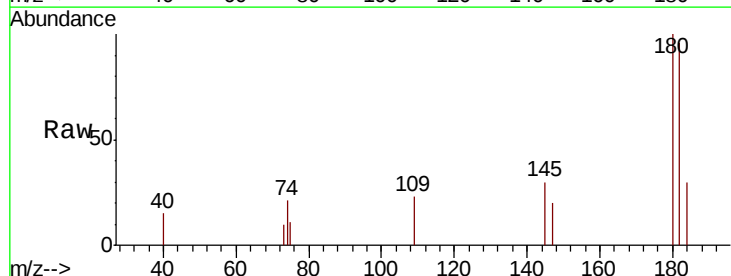


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BNC

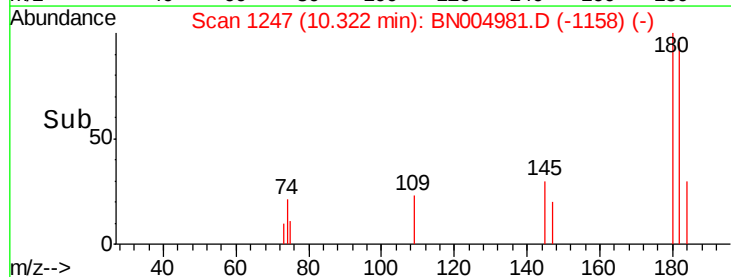
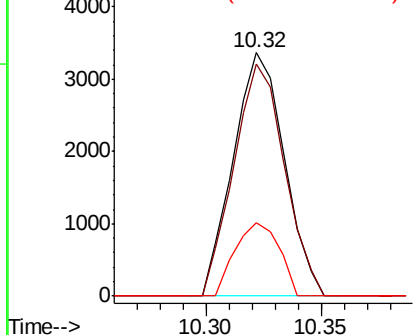


#30
 1,2,4-Trichlorobenzene
 Concen: 8.135 ng
 RT: 10.32 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:180 Resp: 5185
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 29.9 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

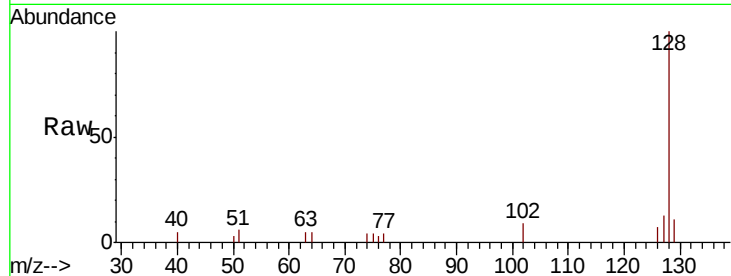




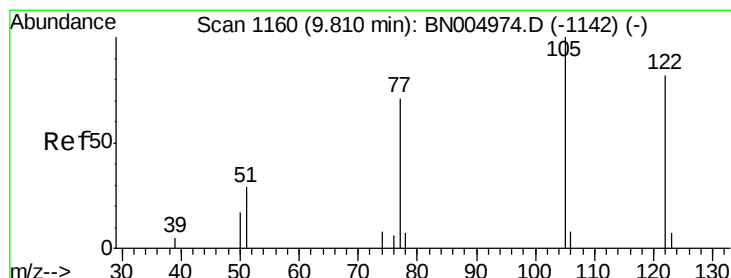
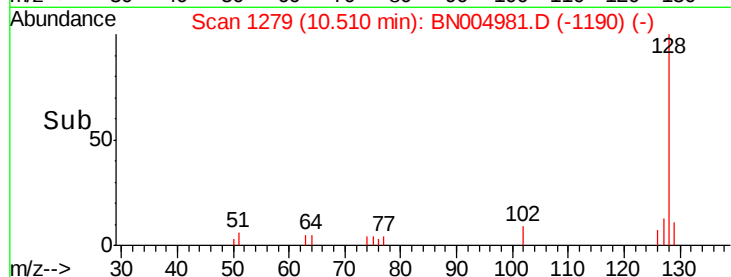
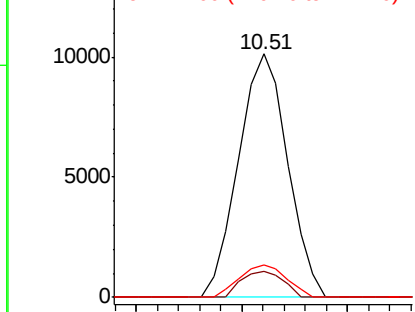
#31
Naphthalene
Concen: 8.413 ng
RT: 10.51 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tgt Ion:128 Resp: 16338
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.4 10.8 16.2

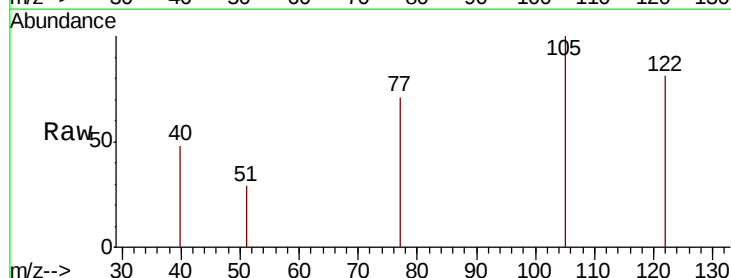


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

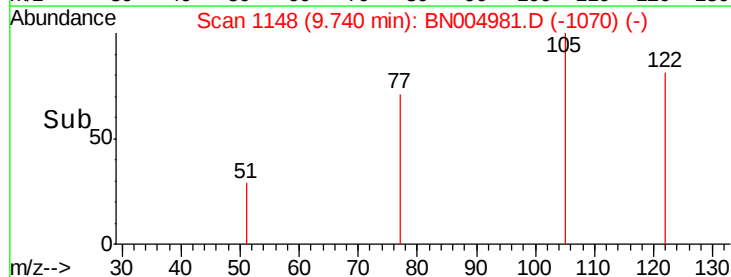
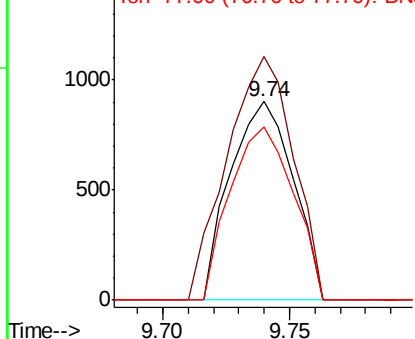


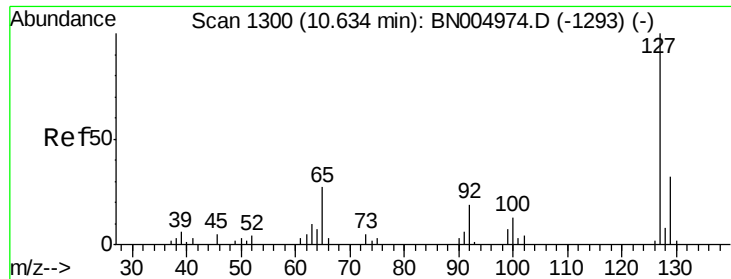
#32
Benzoic acid
Concen: 9.097 ng
RT: 9.74 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion:122 Resp: 1562
Ion Ratio Lower Upper
122 100
105 122.8 102.4 142.4
77 87.6 67.1 107.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNO

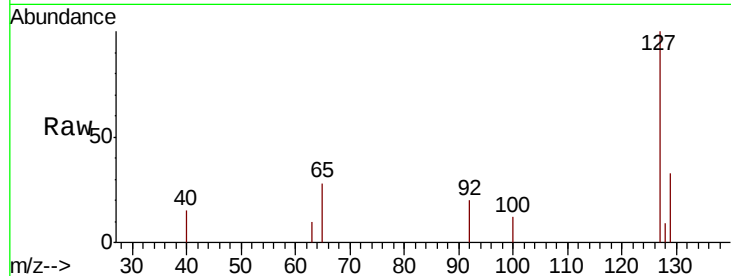




#33
 4-Chloroaniline
 Concen: 7.704 ng
 RT: 10.63 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:	127	Resp:	6087
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	27.6	21.4	32.0
92	20.0	15.3	22.9



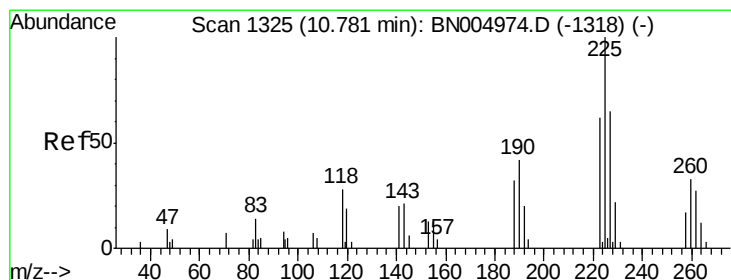
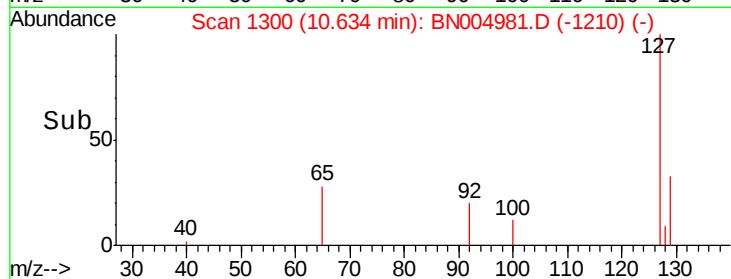
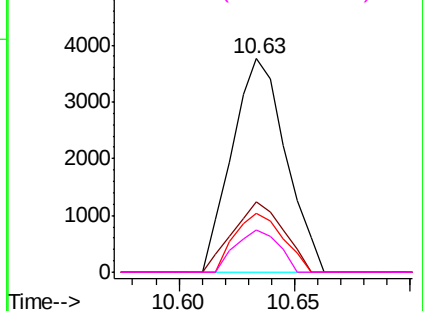
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

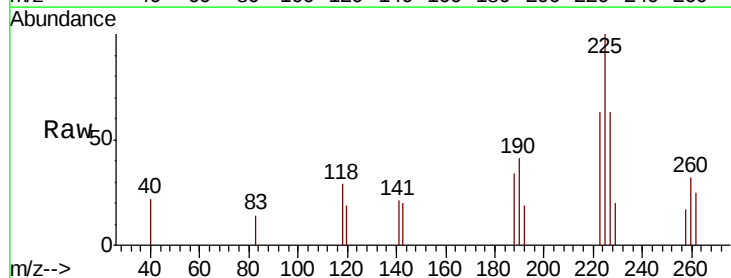
Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC



#34
 Hexachlorobutadiene
 Concen: 8.026 ng
 RT: 10.77 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:	225	Resp:	3310
Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	63.0	52.0	78.0

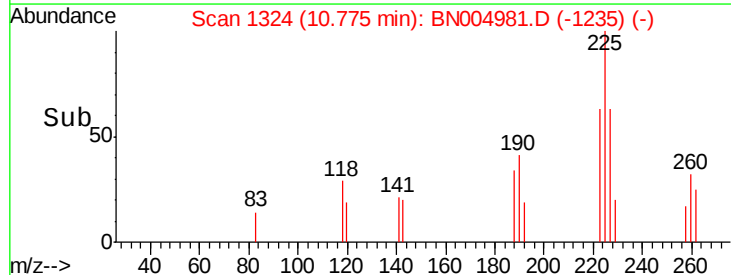
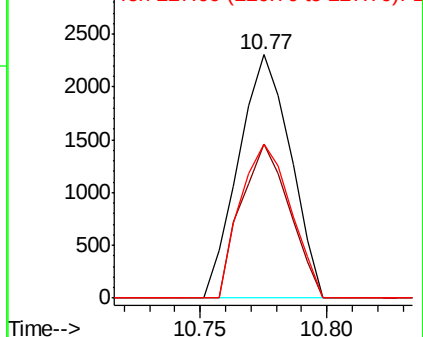


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.223 ng

RT: 11.40 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

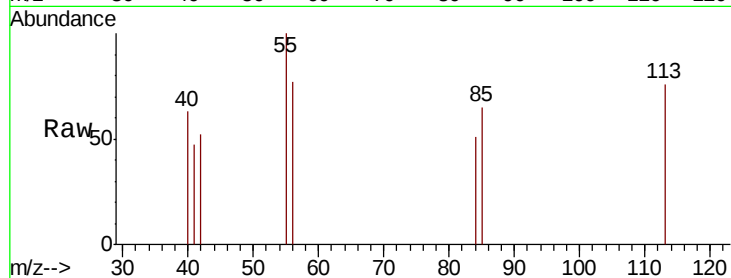
Tgt Ion:113 Resp: 1179

Ion Ratio Lower Upper

113 100

55 131.2 115.8 155.8

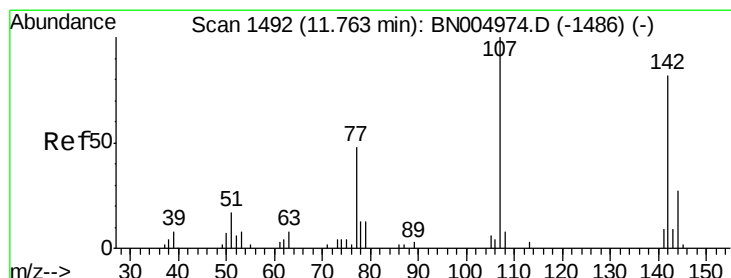
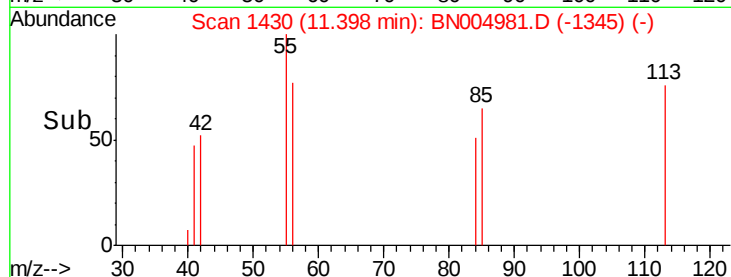
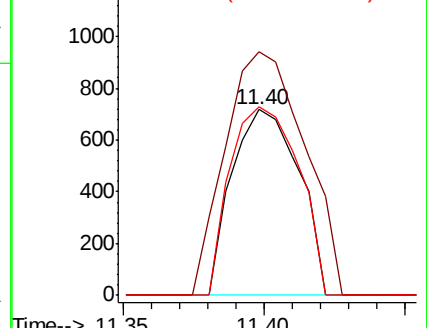
56 101.5 85.1 125.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#36

4-Chloro-3-methylphenol

Concen: 7.787 ng

RT: 11.76 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

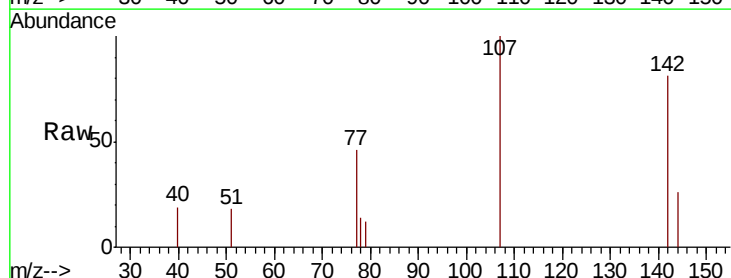
Tgt Ion:107 Resp: 4867

Ion Ratio Lower Upper

107 100

144 25.9 21.3 31.9

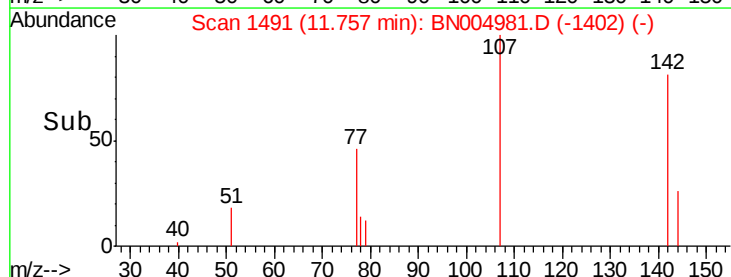
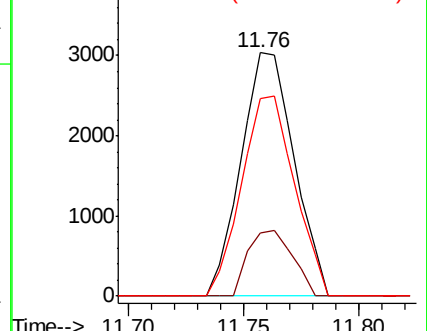
142 80.9 65.8 98.8



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

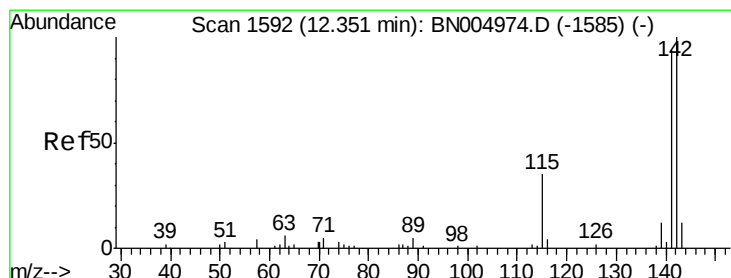
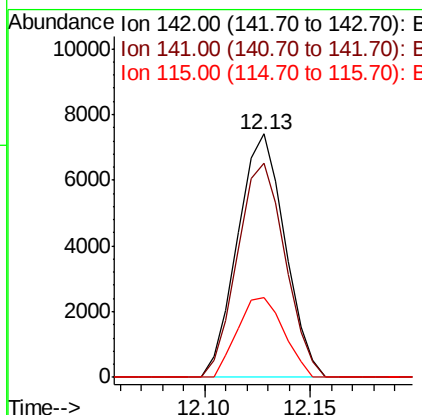
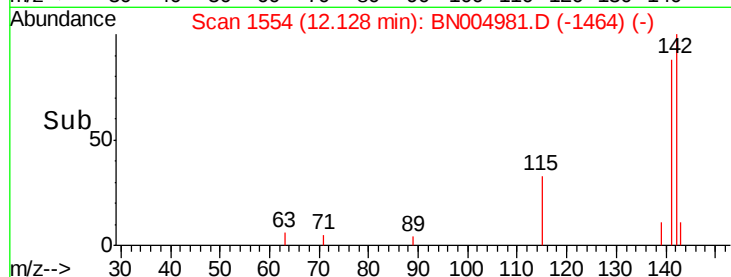
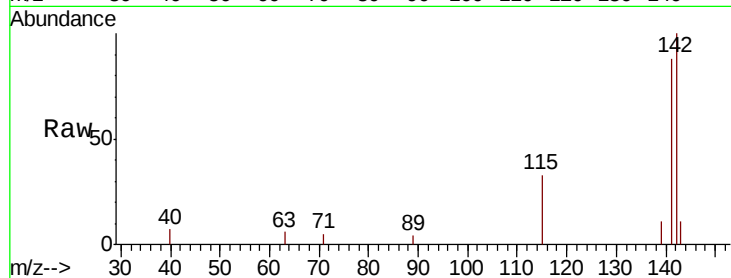




#37
 2-Methylnaphthalene
 Concen: 8.414 ng
 RT: 12.13 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

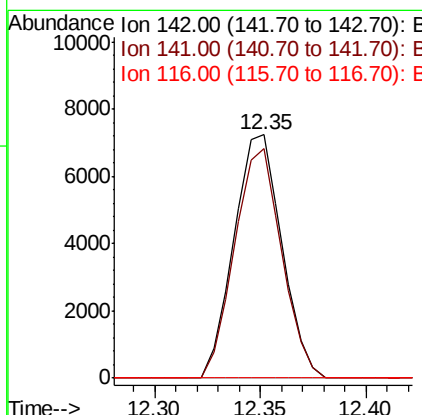
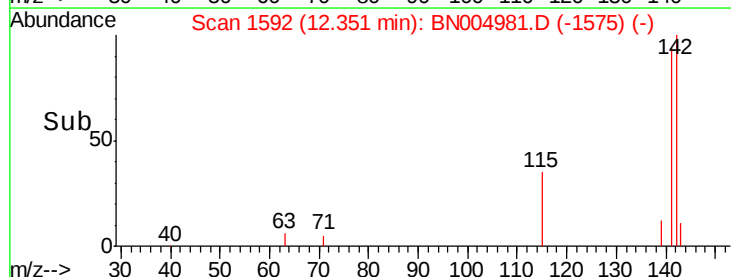
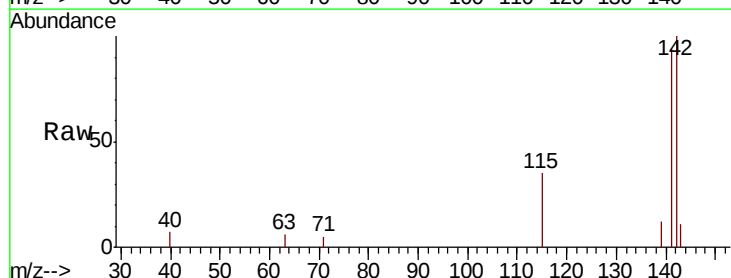
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

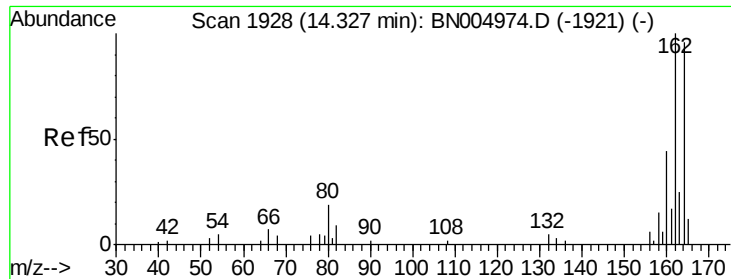
Tgt Ion:142 Resp: 11539
 Ion Ratio Lower Upper
 142 100
 141 87.8 71.8 107.8
 115 32.9 27.0 40.4



#38
 1-Methylnaphthalene
 Concen: 8.475 ng
 RT: 12.35 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:142 Resp: 11373
 Ion Ratio Lower Upper
 142 100
 141 94.1 74.9 112.3
 116 0.0 3.0 4.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

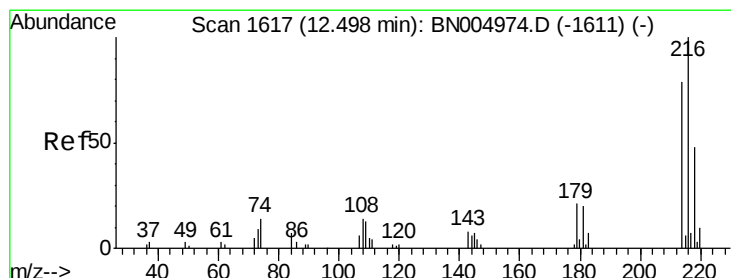
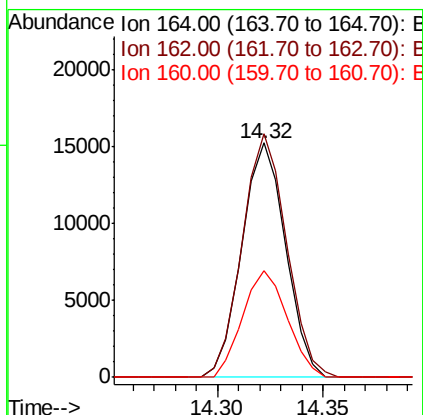
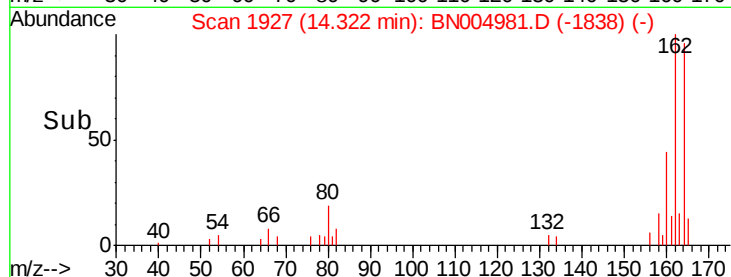
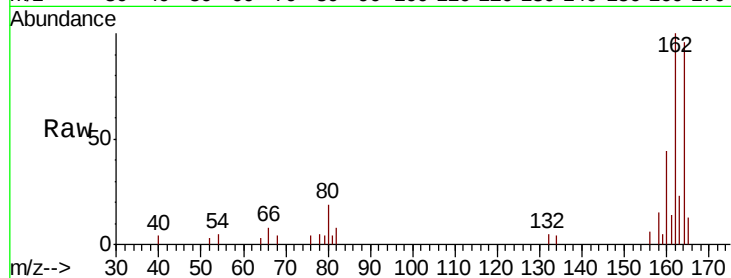
Tgt Ion:164 Resp: 21953

Ion Ratio Lower Upper

164 100

162 103.8 83.4 125.0

160 45.3 36.6 55.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.934 ng

RT: 12.50 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Tgt Ion:216 Resp: 6178

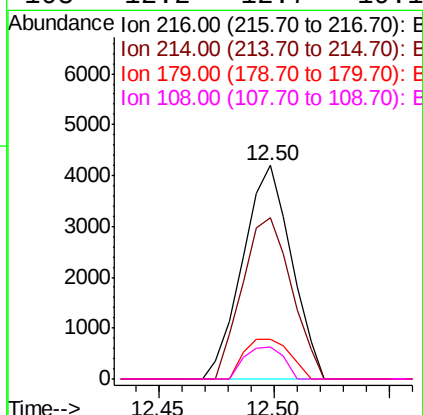
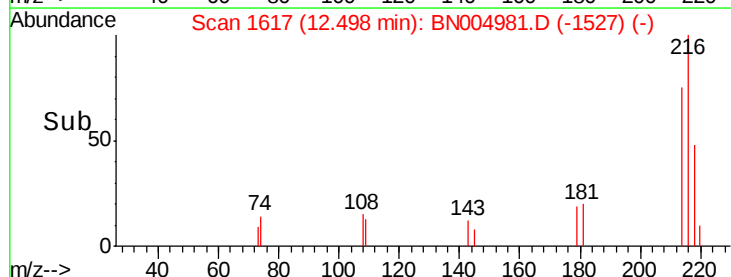
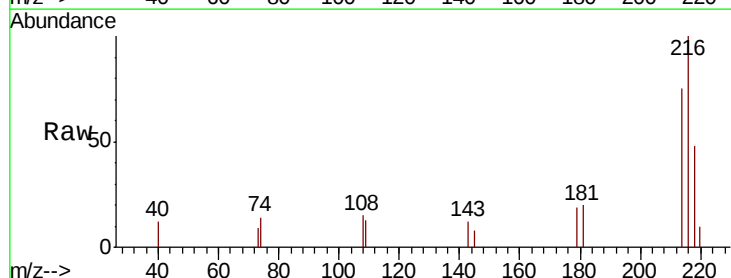
Ion Ratio Lower Upper

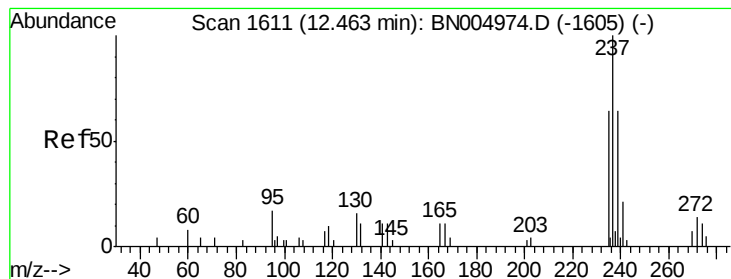
216 100

214 76.1 62.6 94.0

179 17.7 16.4 24.6

108 12.2 12.7 19.1#





#41

Hexachlorocyclopentadiene

Concen: 8.862 ng

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

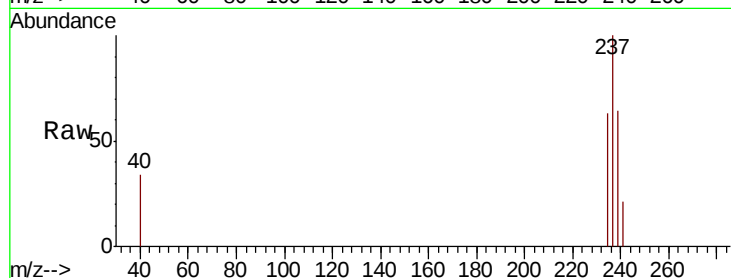
Tgt Ion: 237 Resp: 2041

Ion Ratio Lower Upper

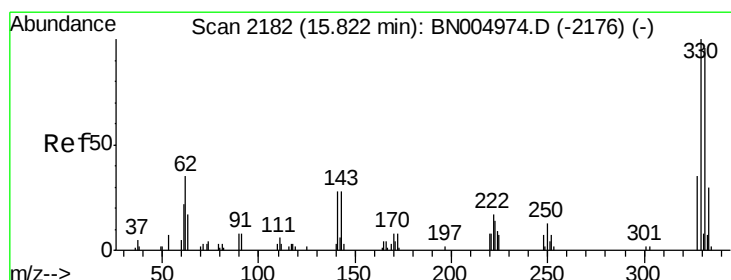
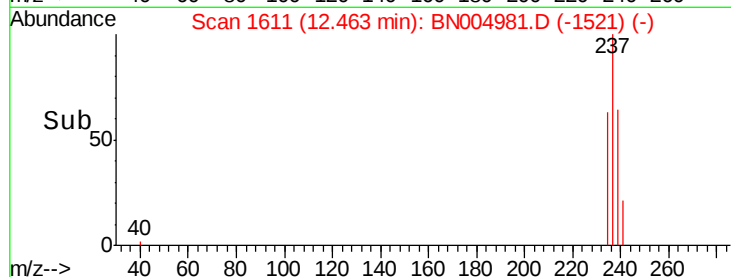
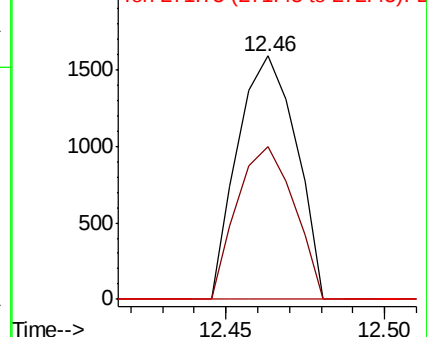
237 100

235 62.6 43.6 83.6

272 0.0 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: 140.566 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

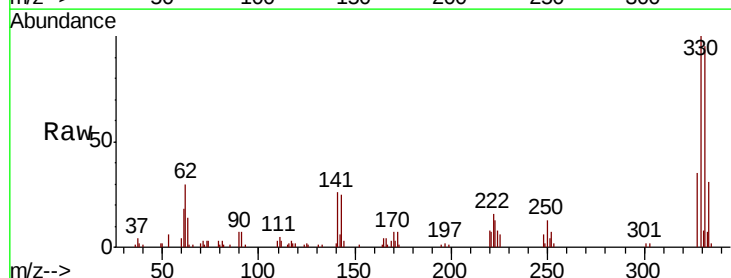
Tgt Ion: 330 Resp: 49769

Ion Ratio Lower Upper

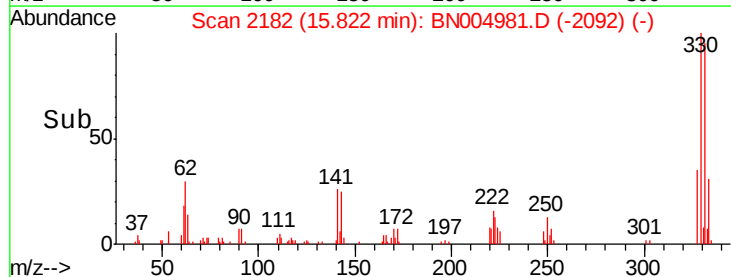
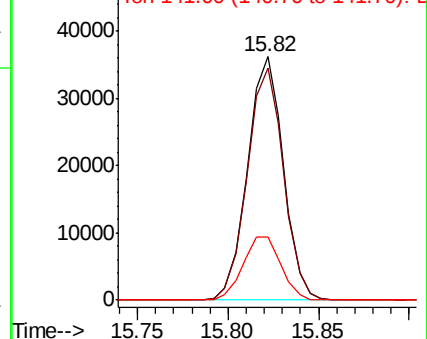
330 100

332 96.1 77.4 116.0

141 27.5 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

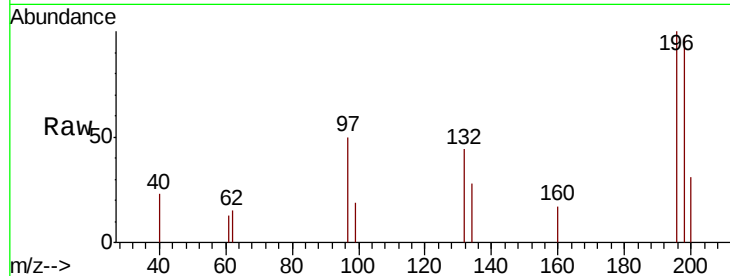




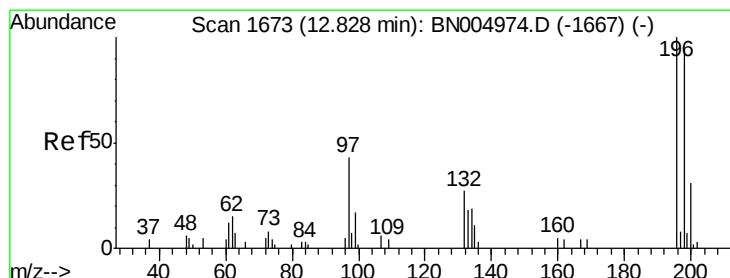
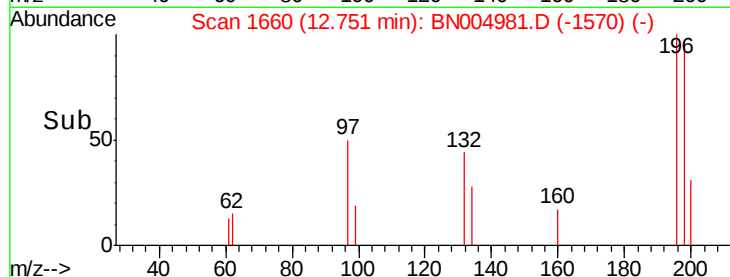
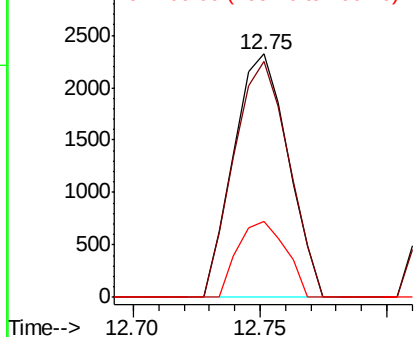
#43
 2,4,6-Trichlorophenol
 Concen: 7.219 ng
 RT: 12.75 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:196 Resp: 3488
 Ion Ratio Lower Upper
 196 100
 198 96.9 76.5 114.7
 200 31.4 24.0 36.0



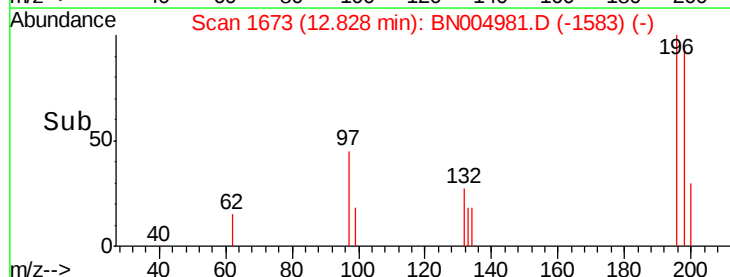
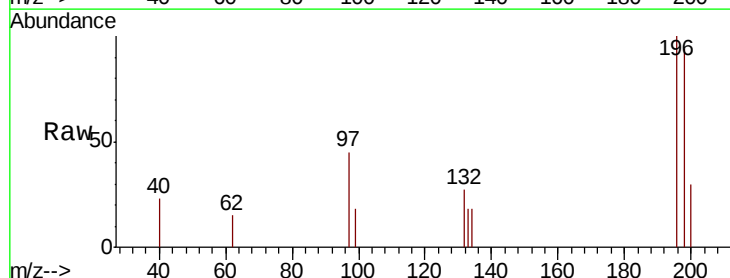
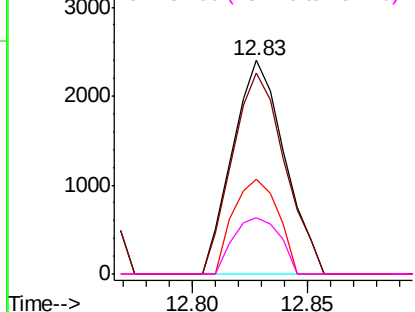
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 7.159 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:196 Resp: 3768
 Ion Ratio Lower Upper
 196 100
 198 93.8 76.1 114.1
 97 44.5 34.8 52.2
 132 26.6 21.7 32.5

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BNC
 Ion 132.00 (131.70 to 132.70): E

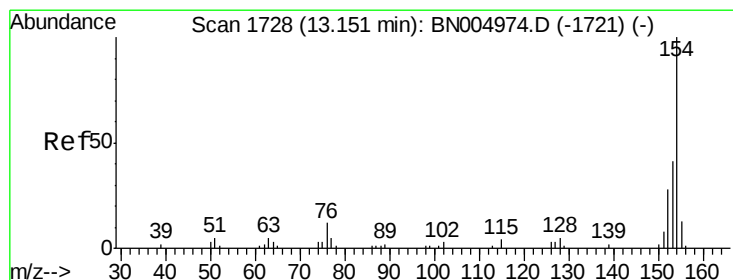
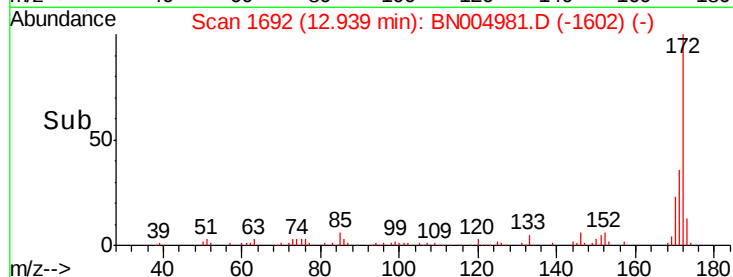
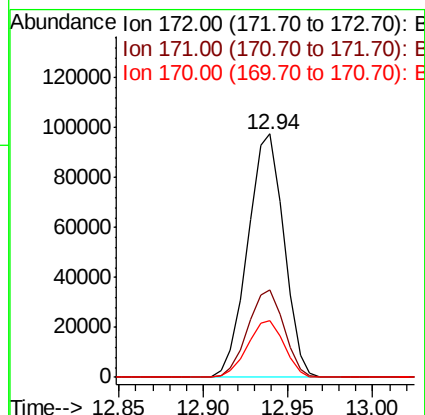
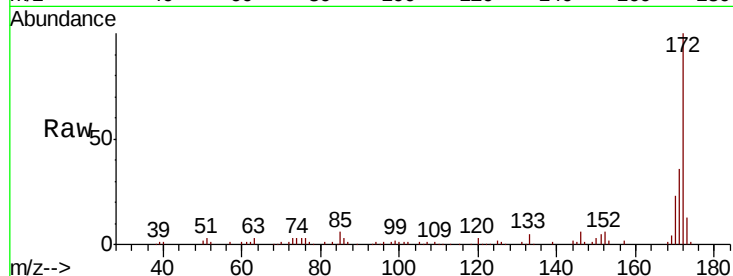




#45
2-Fluorobiphenyl
Concen: 87.995 ng
RT: 12.94 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

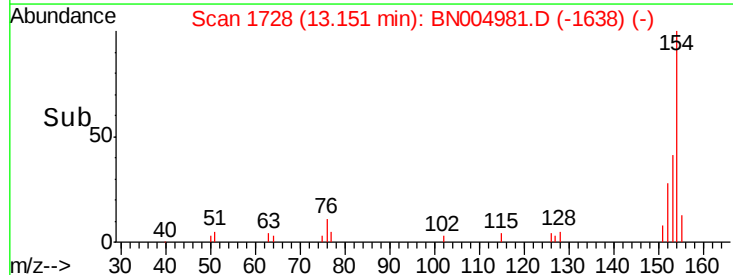
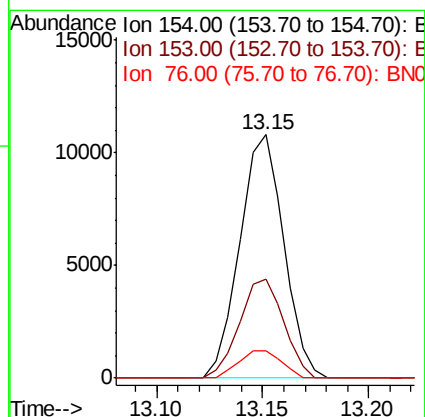
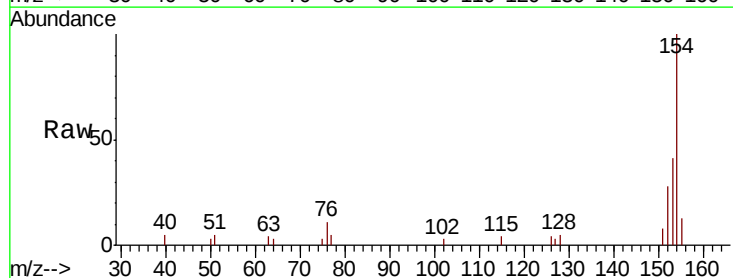
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

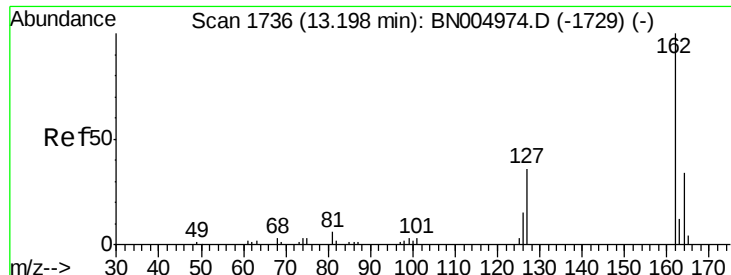
Tgt Ion:172 Resp: 145779
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 23.2 18.9 28.3



#46
1,1'-Biphenyl
Concen: 8.397 ng
RT: 13.15 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion:154 Resp: 15602
Ion Ratio Lower Upper
154 100
153 40.9 21.2 61.2
76 11.4 0.0 32.2

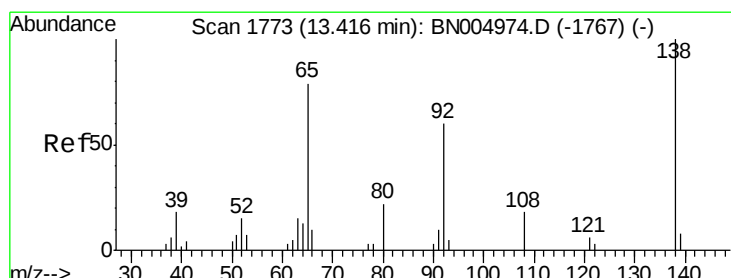
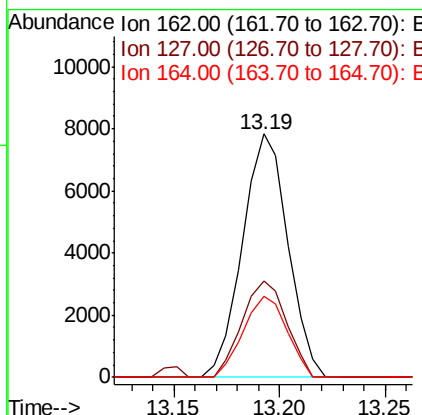
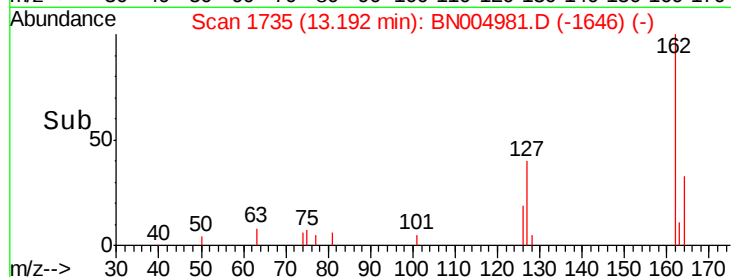
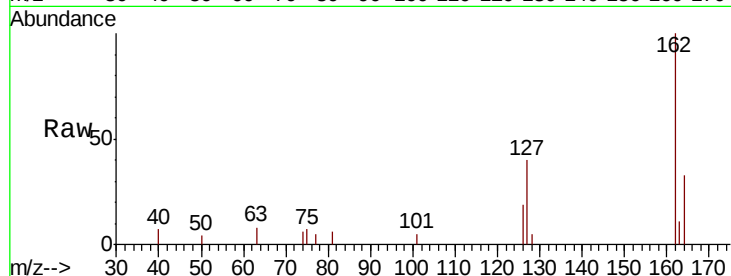




#47
 2-Chloronaphthalene
 Concen: 8.208 ng
 RT: 13.19 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

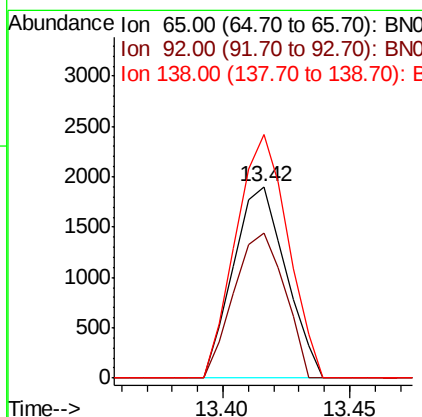
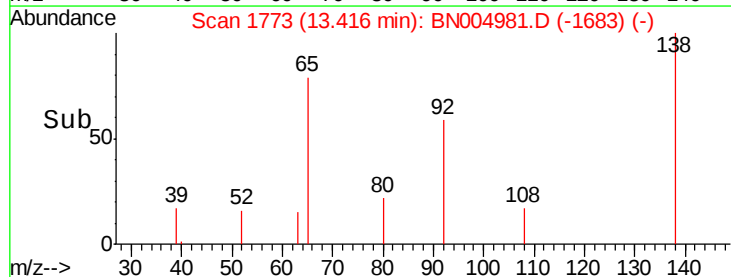
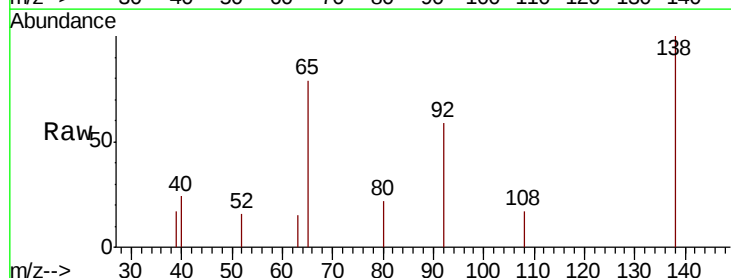
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 162 Resp: 11703
 Ion Ratio Lower Upper
 162 100
 127 39.9 32.4 48.6
 164 33.2 26.8 40.2



#48
 2-Nitroaniline
 Concen: 7.201 ng
 RT: 13.42 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion: 65 Resp: 2733
 Ion Ratio Lower Upper
 65 100
 92 75.4 60.2 90.4
 138 127.0 101.1 151.7





#49

Acenaphthylene

Concen: 8.288 ng

RT: 14.05 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

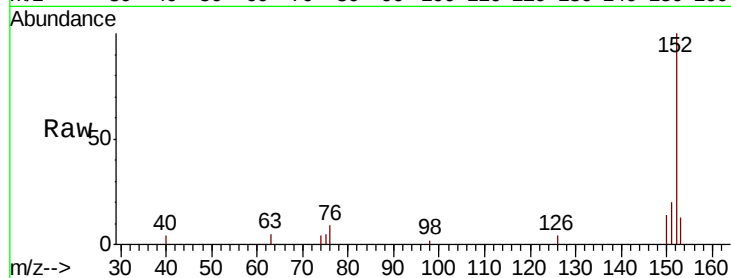
Tgt Ion:152 Resp: 19876

Ion Ratio Lower Upper

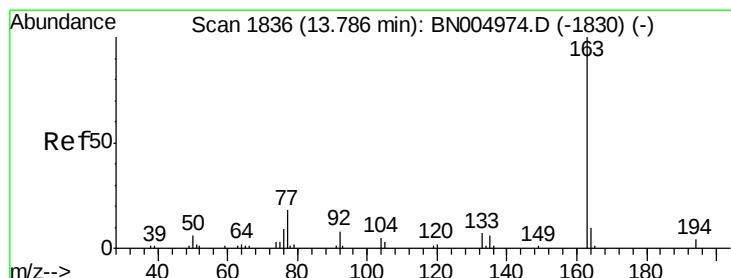
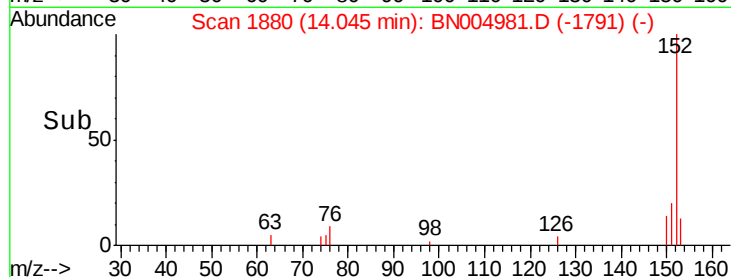
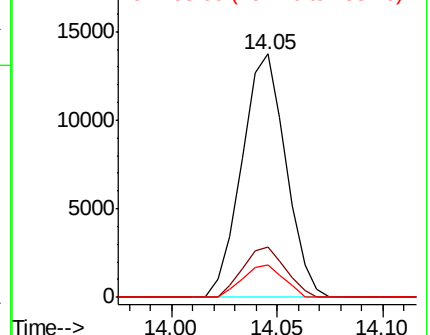
152 100

151 20.4 16.2 24.2

153 13.4 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: 8.489 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

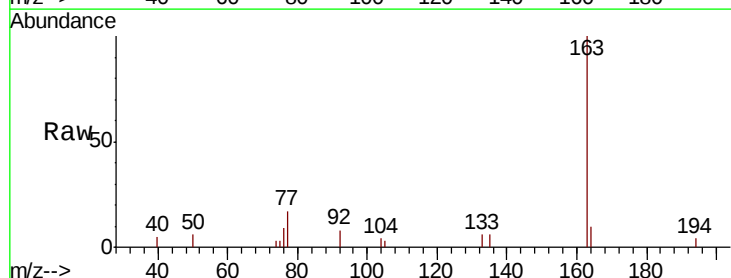
Tgt Ion:163 Resp: 15311

Ion Ratio Lower Upper

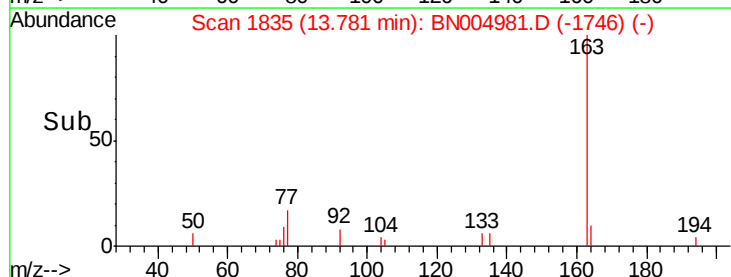
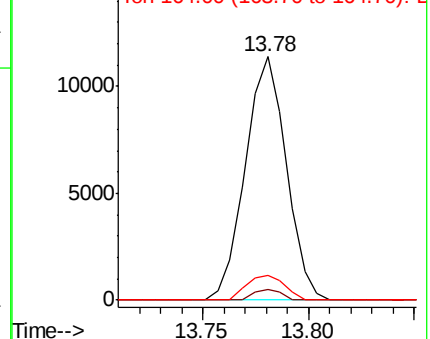
163 100

194 4.2 3.4 5.0

164 9.9 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

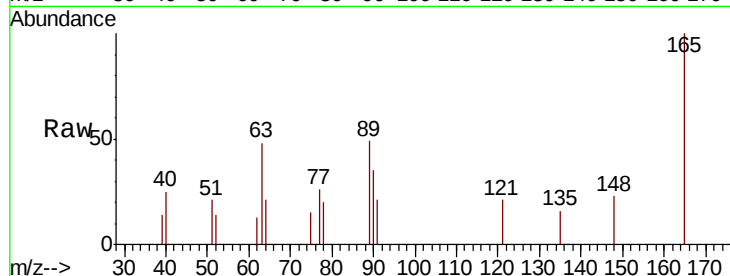




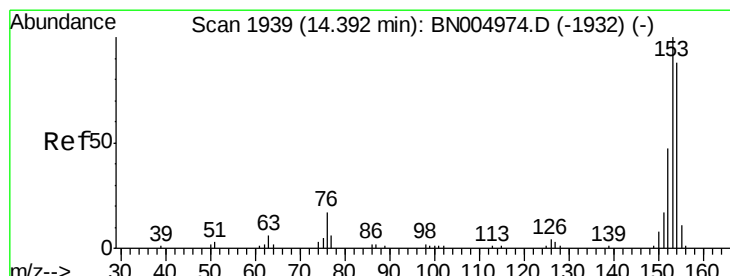
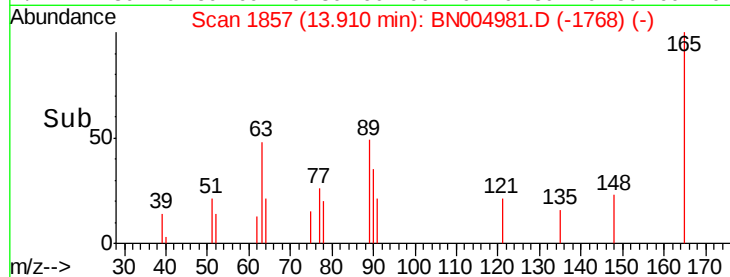
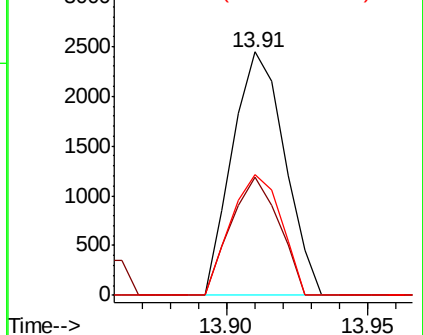
#51
 2,6-Dinitrotoluene
 Concen: 7.670 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:165 Resp: 3148
 Ion Ratio Lower Upper
 165 100
 63 48.3 37.3 55.9
 89 49.4 39.2 58.8

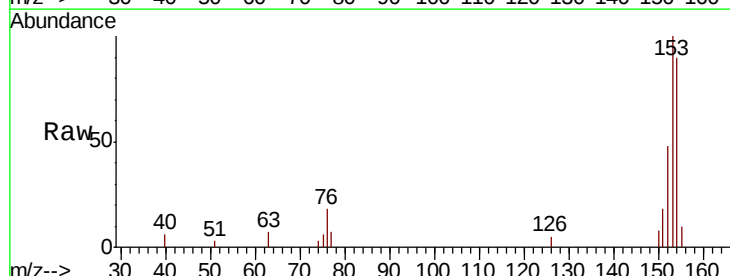


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 89.00 (88.70 to 89.70): BNO

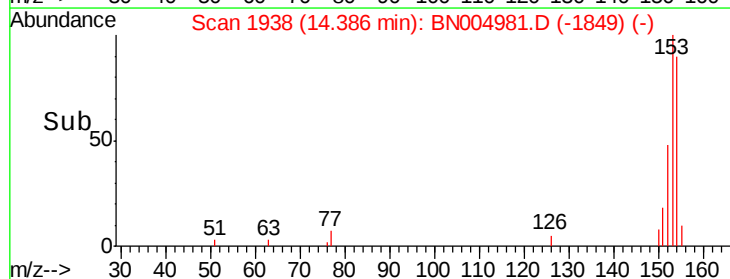
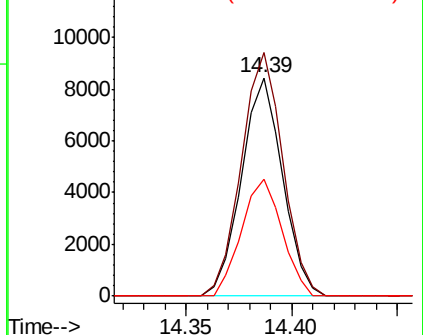


#52
 Acenaphthene
 Concen: 8.446 ng
 RT: 14.39 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:154 Resp: 11394
 Ion Ratio Lower Upper
 154 100
 153 111.6 91.0 136.4
 152 53.4 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

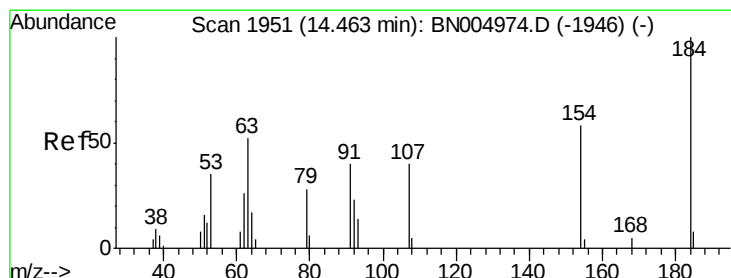
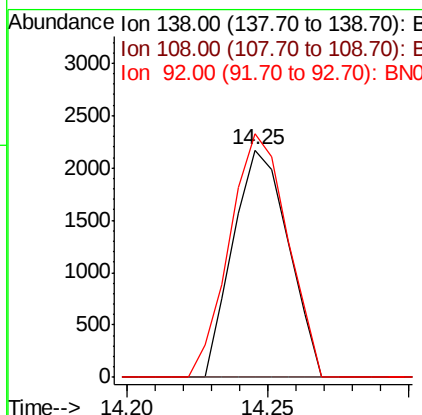
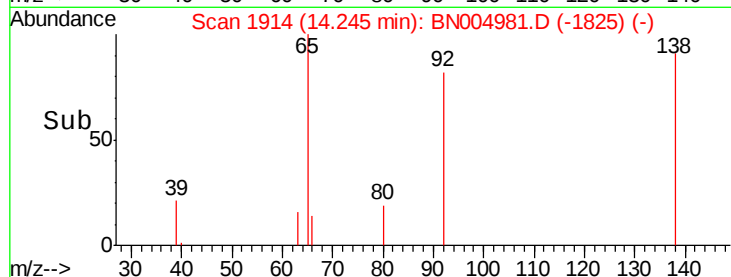
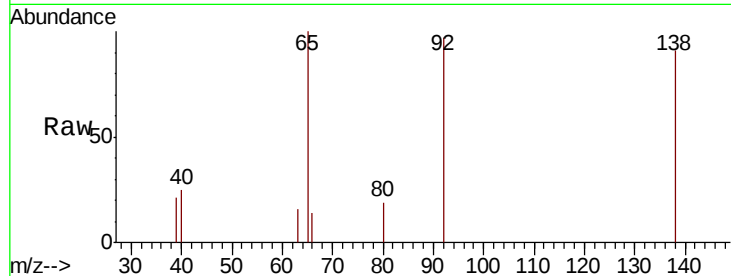




#53
 3-Nitroaniline
 Concen: 7.042 ng
 RT: 14.25 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

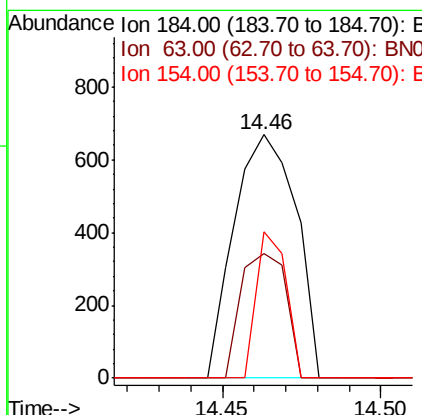
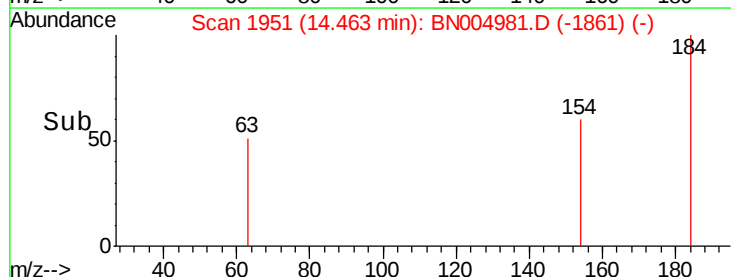
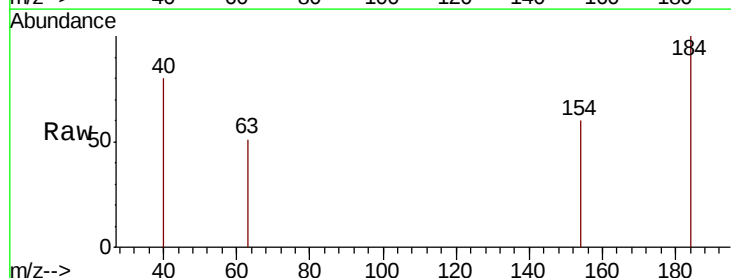
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

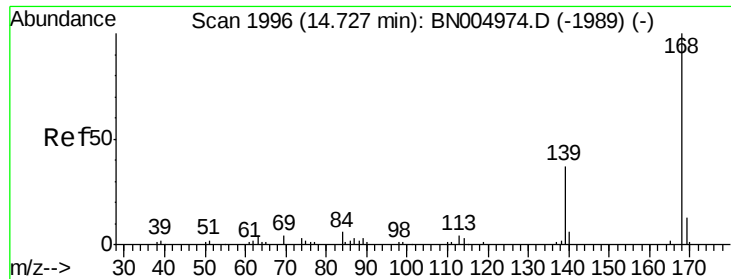
Tgt Ion:138 Resp: 2954
 Ion Ratio Lower Upper
 138 100
 108 0.0 8.6 12.8#
 92 107.0 86.9 130.3



#54
 2,4-Dinitrophenol
 Concen: 10.573 ng
 RT: 14.46 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:184 Resp: 905
 Ion Ratio Lower Upper
 184 100
 63 51.1 41.6 62.4
 154 60.2 46.8 70.2





#55

Dibenzenofuran

Concen: 8.505 ng

RT: 14.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

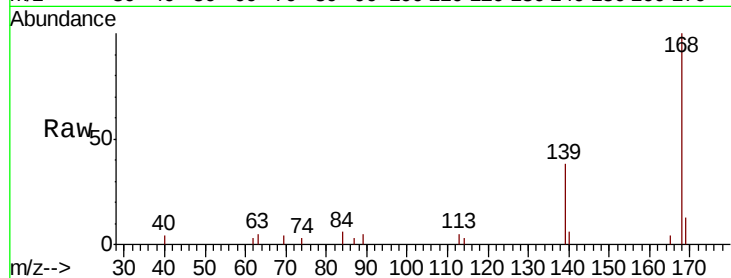
Tgt Ion:168 Resp: 18256

Ion Ratio Lower Upper

168 100

139 37.8 29.9 44.9

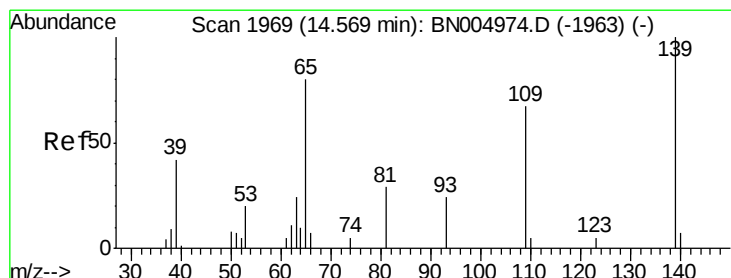
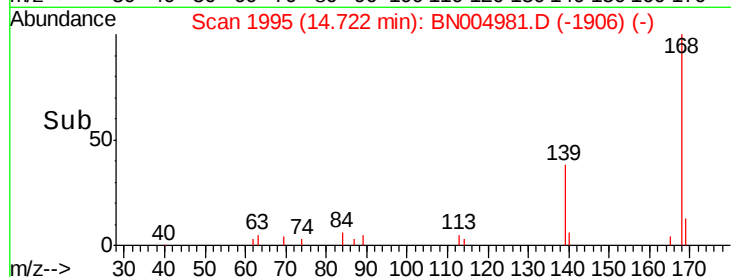
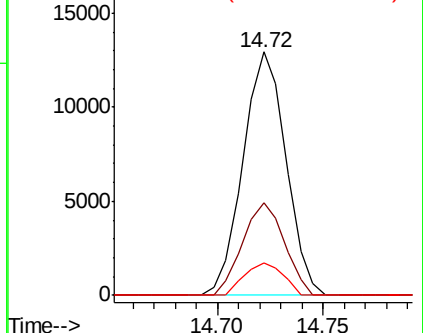
169 13.5 10.6 15.8



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: 6.058 ng

RT: 14.57 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

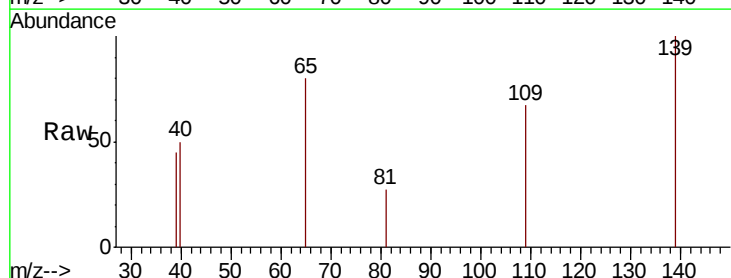
Tgt Ion:139 Resp: 2002

Ion Ratio Lower Upper

139 100

109 67.3 46.5 86.5

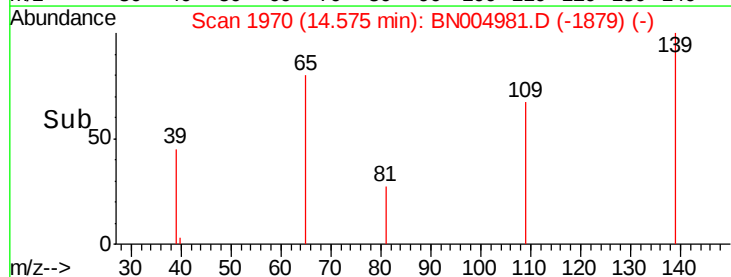
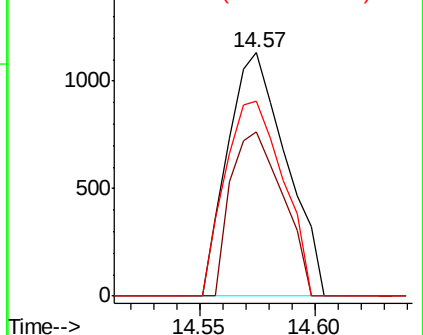
65 80.1 59.5 99.5



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): BNC

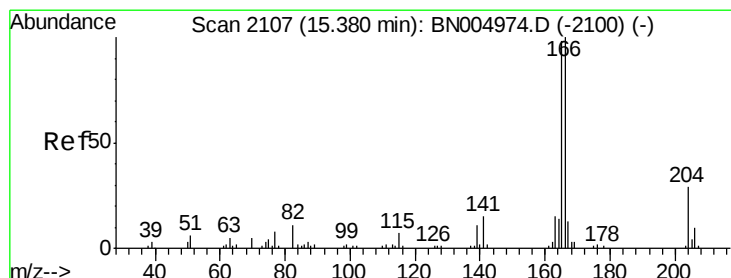
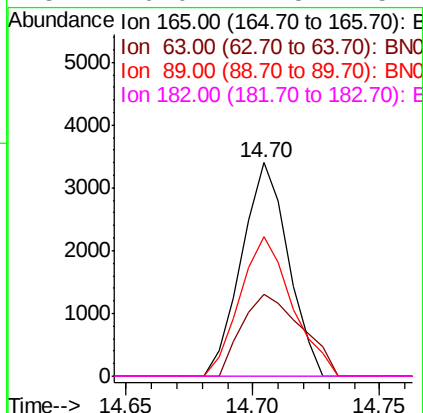
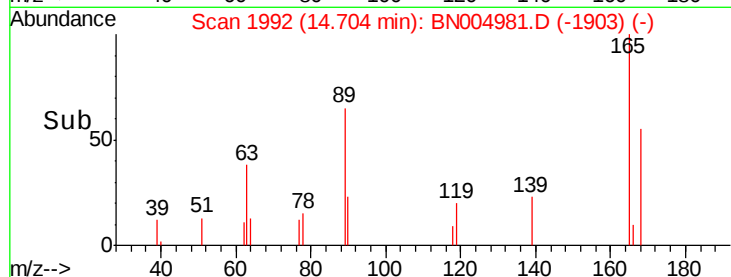
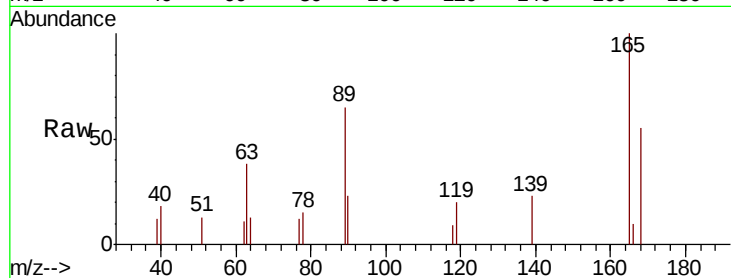




#57
 2,4-Dinitrotoluene
 Concen: 7.796 ng
 RT: 14.70 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

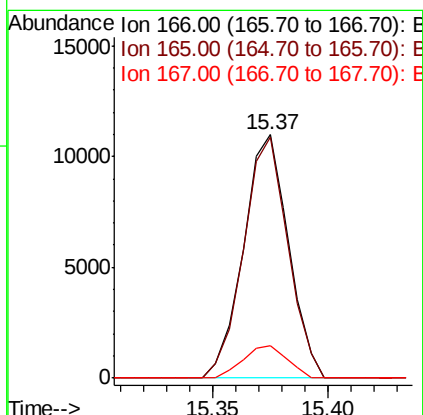
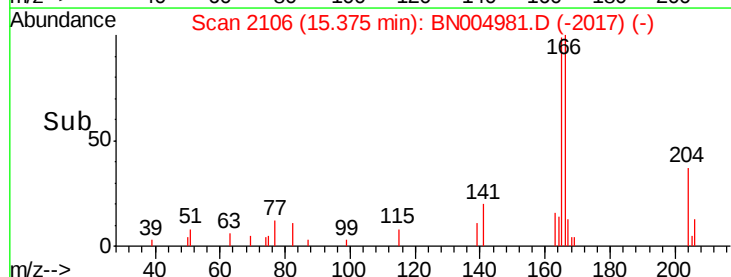
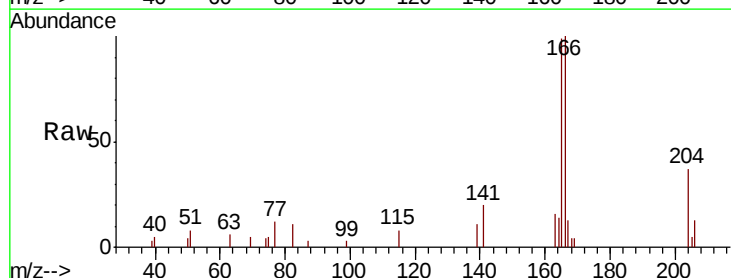
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:165 Resp: 4348
 Ion Ratio Lower Upper
 165 100
 63 38.4 30.4 45.6
 89 65.4 50.7 76.1
 182 0.0 2.5 3.7#



#58
 Fluorene
 Concen: 8.602 ng
 RT: 15.37 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:166 Resp: 14916
 Ion Ratio Lower Upper
 166 100
 165 98.9 78.3 117.5
 167 13.2 10.6 15.8

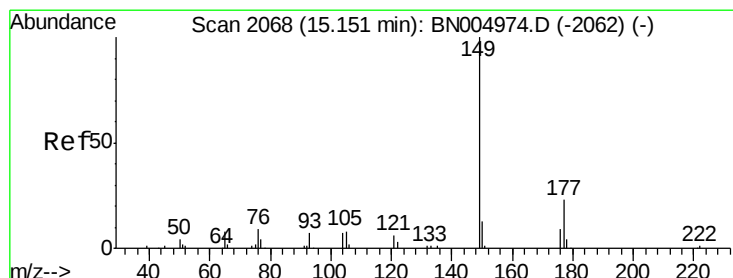
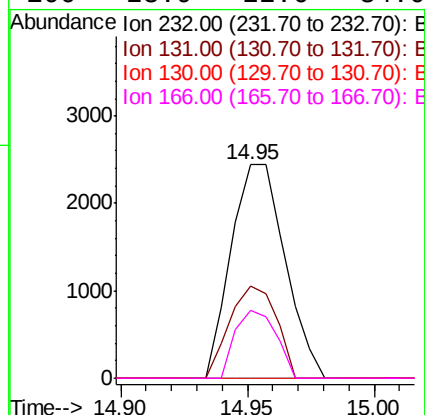
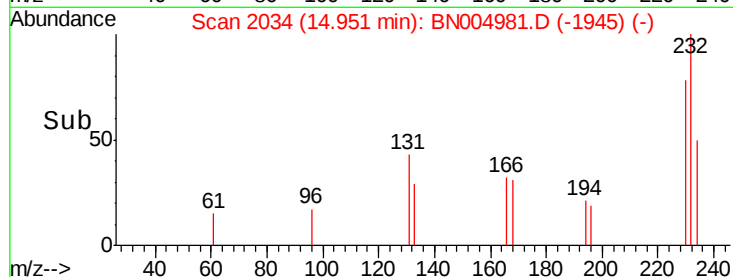
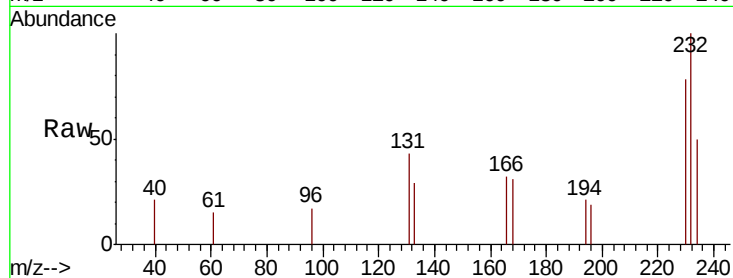




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.426 ng
 RT: 14.95 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

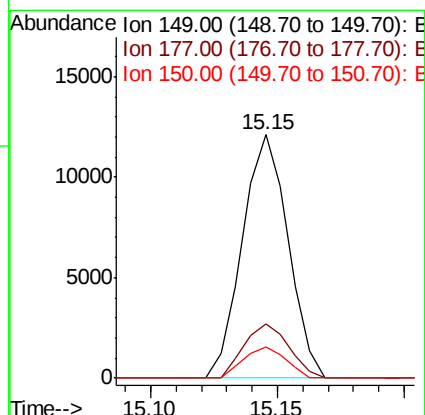
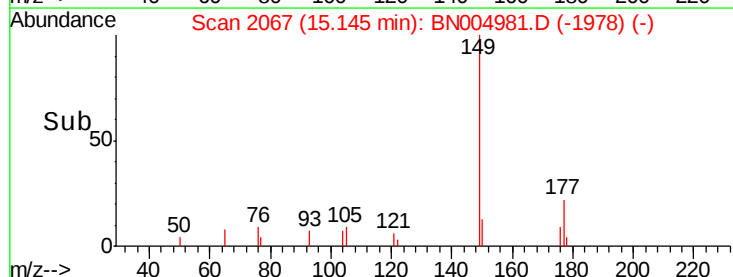
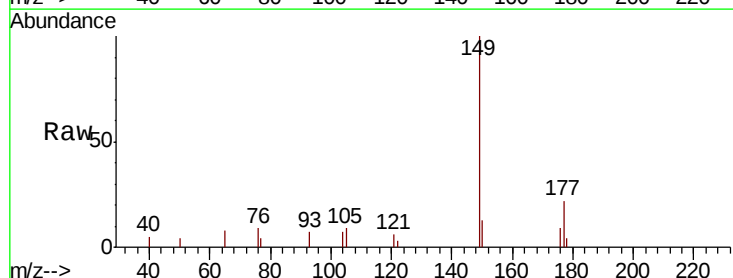
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

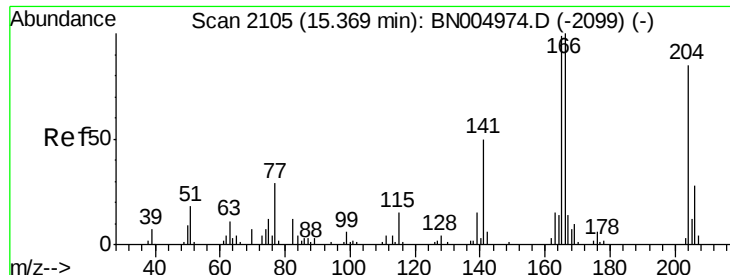
Tgt Ion:	232	Resp:	3624
Ion	Ratio	Lower	Upper
232	100		
131	37.3	32.4	48.6
130	0.0	0.9	1.3#
166	23.9	22.6	34.0



#60
 Diethylphthalate
 Concen: 8.445 ng
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:	149	Resp:	15199
Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.1	27.1
150	12.9	10.1	15.1

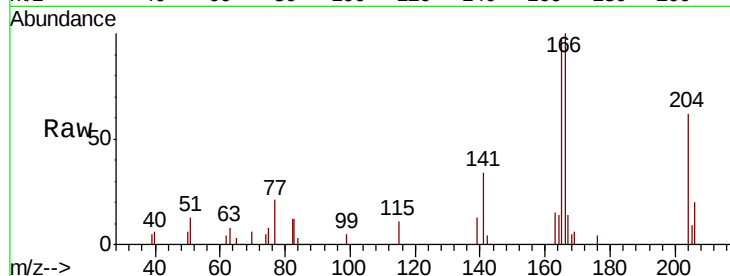




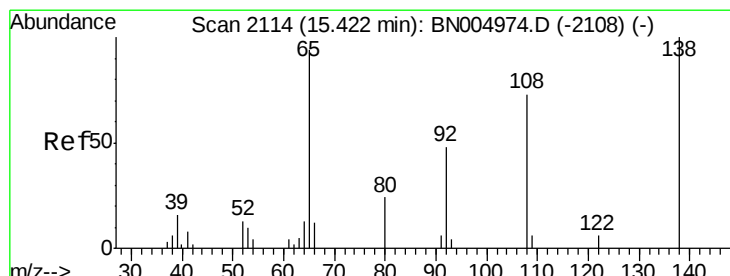
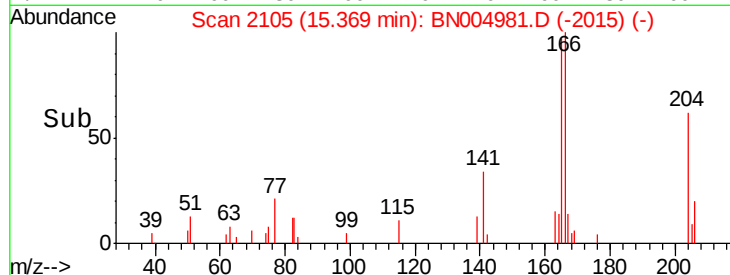
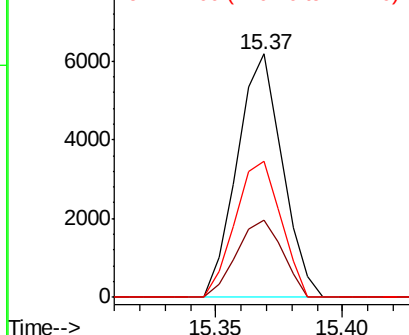
#61
 4-Chlorophenyl-phenylether
 Concen: 8.590 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion: 204 Resp: 7684
 Ion Ratio Lower Upper
 204 100
 206 31.7 26.5 39.7
 141 55.9 47.2 70.8

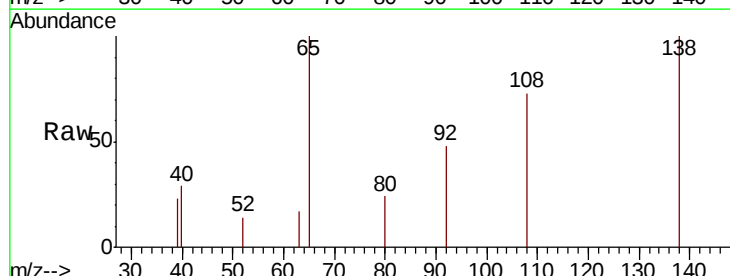


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

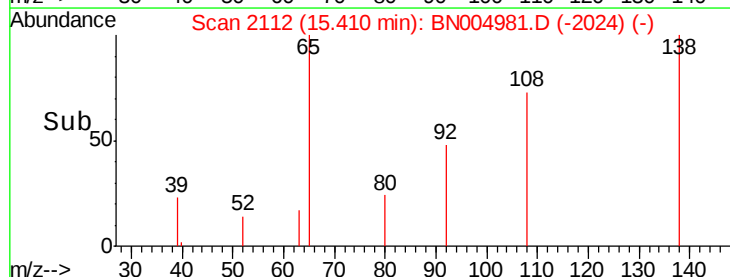
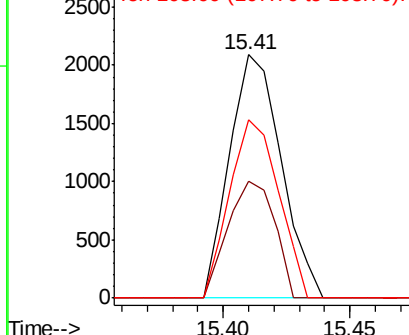


#62
 4-Nitroaniline
 Concen: 7.073 ng
 RT: 15.41 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion: 138 Resp: 2981
 Ion Ratio Lower Upper
 138 100
 92 48.2 26.4 66.4
 108 73.4 50.8 90.8



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





#63

Azobenzene

Concen: 8.414 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 77 Resp: 12606

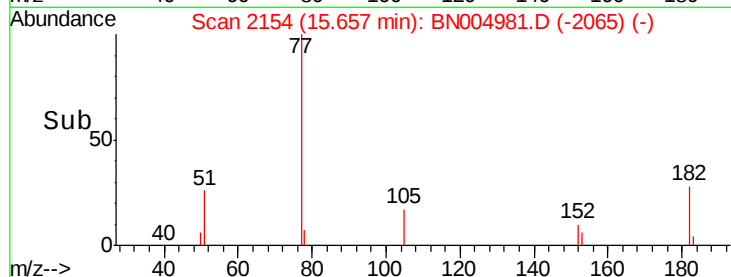
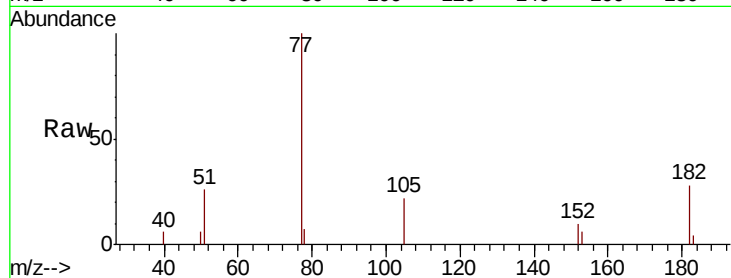
Ion Ratio Lower Upper

77 100

182 27.6 10.0 50.0

105 21.8 2.9 42.9

51 26.3 6.0 46.0

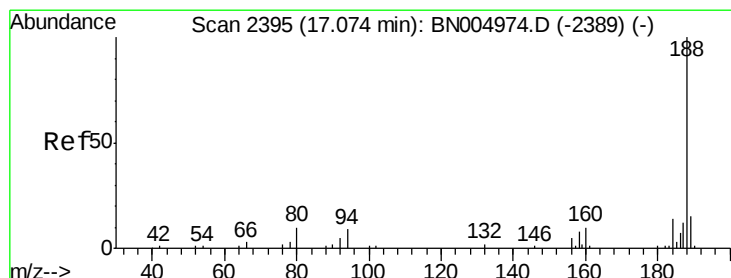
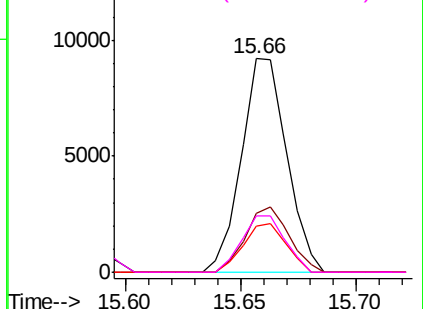


Abundance Ion 77.00 (76.70 to 77.70): BNC

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: BN004981.D

Acq: 26 Mar 2019 17:54

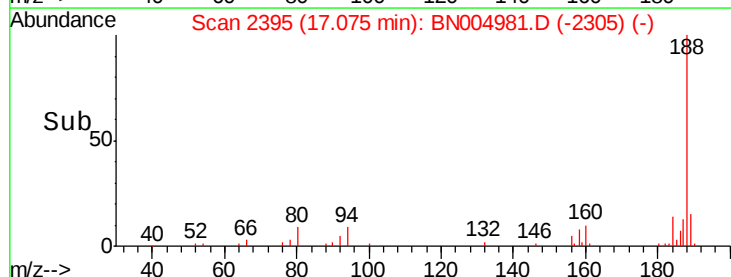
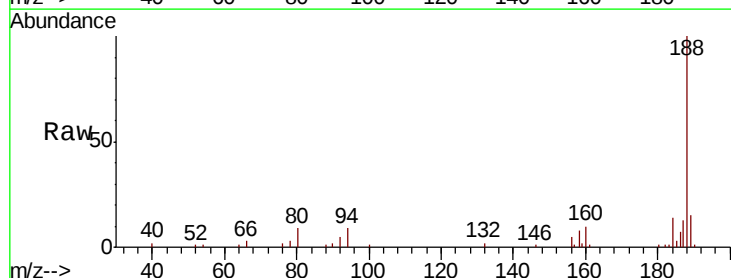
Tgt Ion: 188 Resp: 50198

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

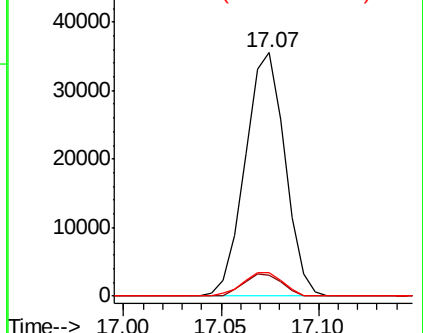
80 9.4 7.8 11.6



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

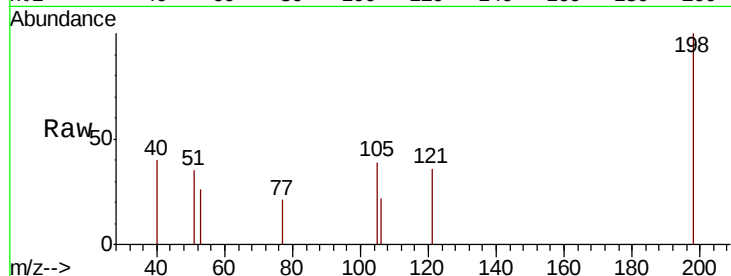




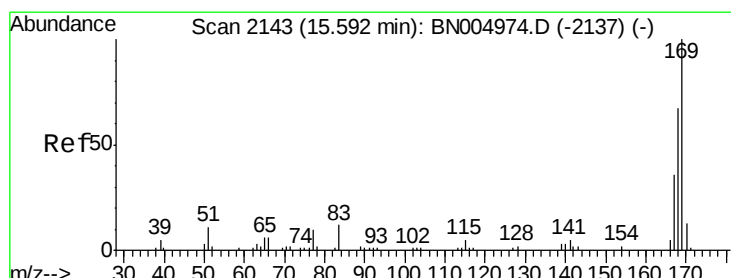
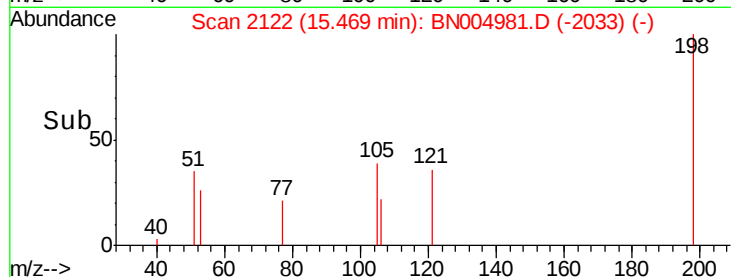
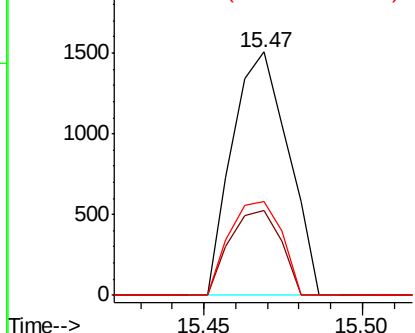
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.241 ng
 RT: 15.47 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:198 Resp: 1840
 Ion Ratio Lower Upper
 198 100
 51 34.8 12.0 52.0
 105 38.8 17.6 57.6

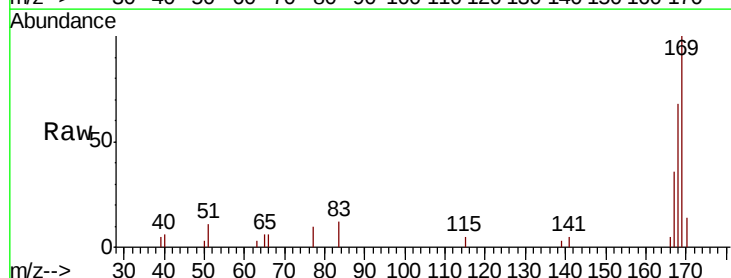


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): B
 Ion 105.00 (104.70 to 105.70): E

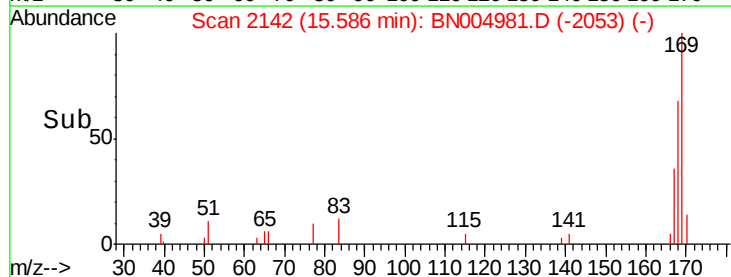
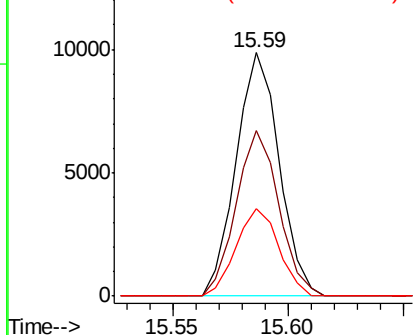


#66
 n-Nitrosodiphenylamine
 Concen: 8.118 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:169 Resp: 12836
 Ion Ratio Lower Upper
 169 100
 168 68.1 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

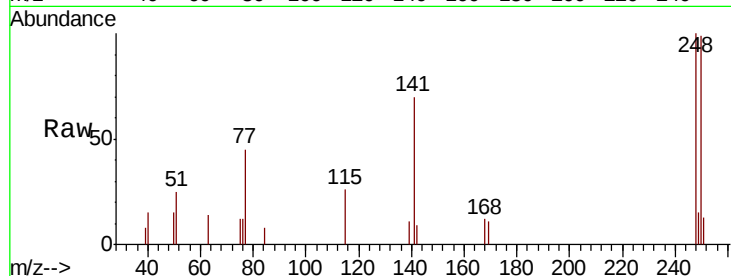




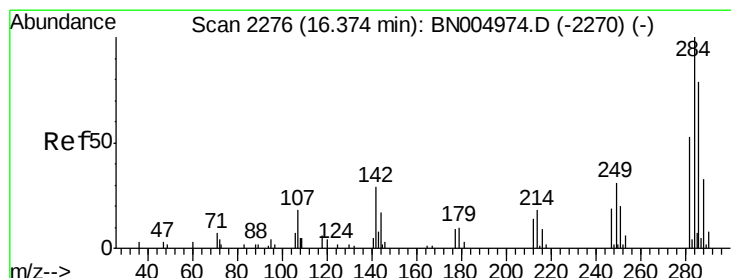
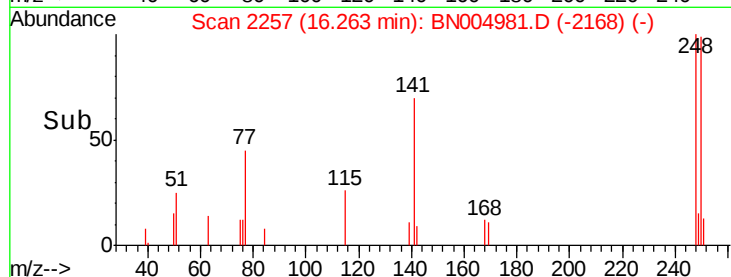
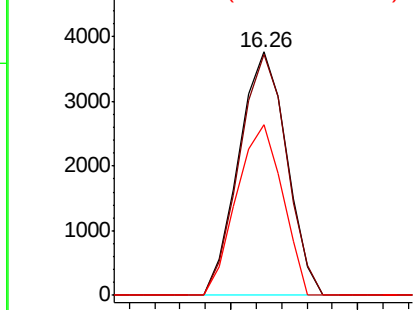
#67
 4-Bromophenyl-phenylether
 Concen: 7.939 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion:248 Resp: 4973
 Ion Ratio Lower Upper
 248 100
 250 98.8 79.4 119.2
 141 69.9 52.3 78.5

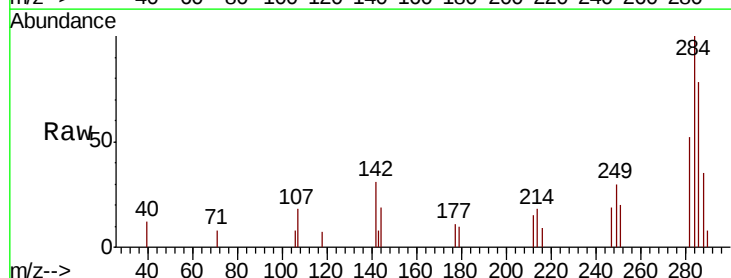


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

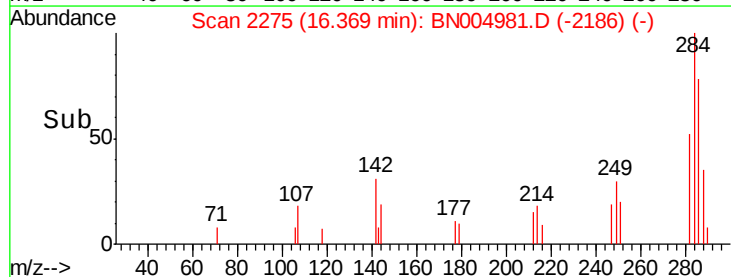
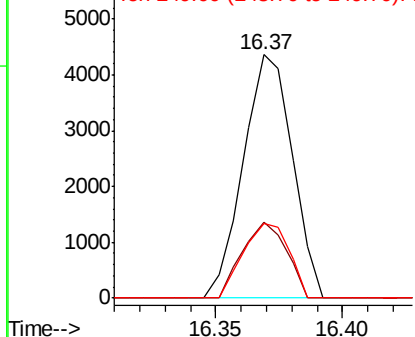


#68
 Hexachlorobenzene
 Concen: 8.038 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion:284 Resp: 5899
 Ion Ratio Lower Upper
 284 100
 142 31.0 23.5 35.3
 249 30.4 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: 8.129 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

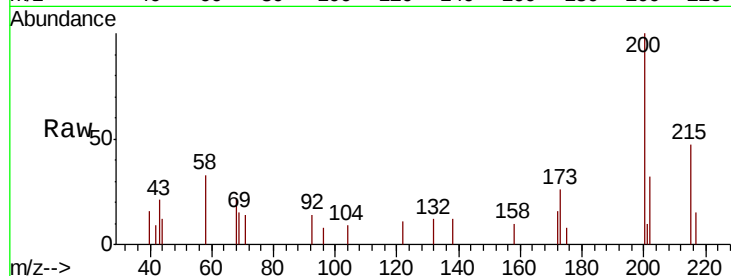
Tgt Ion:200 Resp: 4592

Ion Ratio Lower Upper

200 100

173 26.3 6.4 46.4

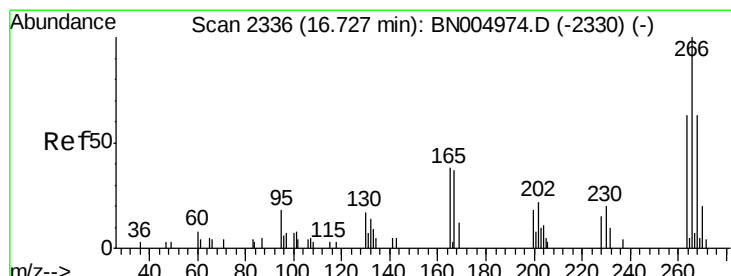
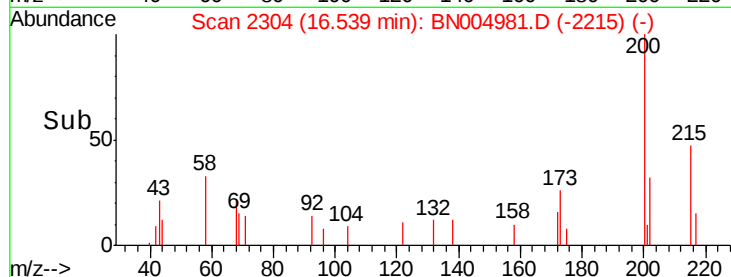
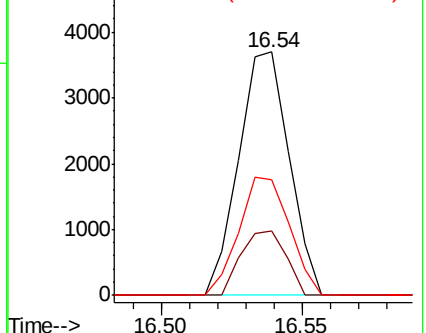
215 47.5 28.8 68.8



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: 5.339 ng

RT: 16.73 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

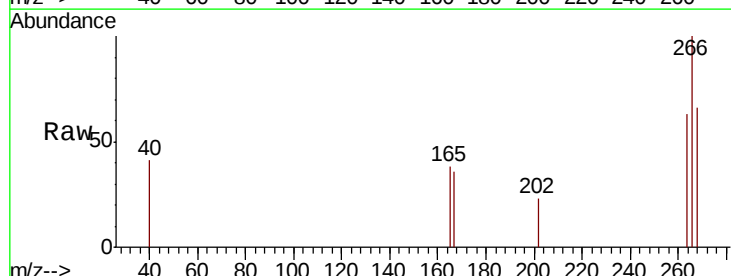
Tgt Ion:266 Resp: 2060

Ion Ratio Lower Upper

266 100

268 65.6 50.8 76.2

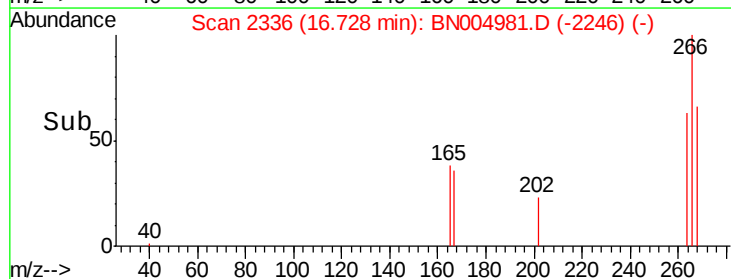
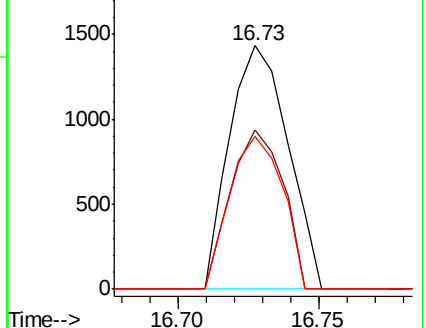
264 62.6 50.0 75.0

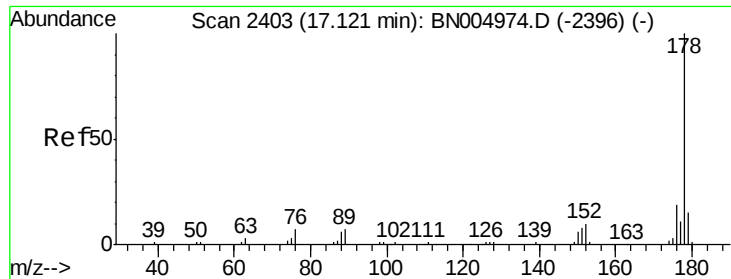


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

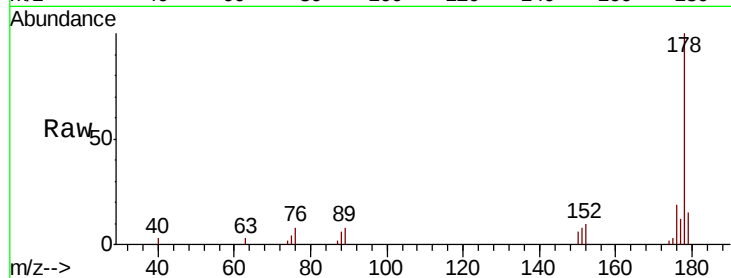




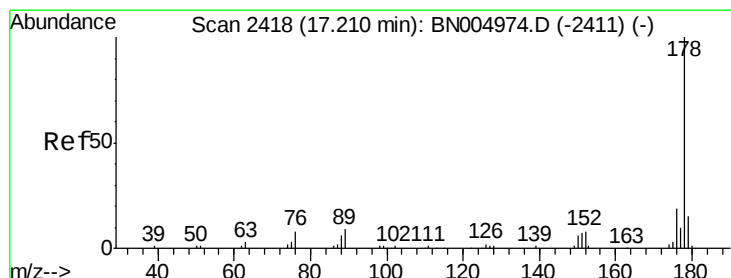
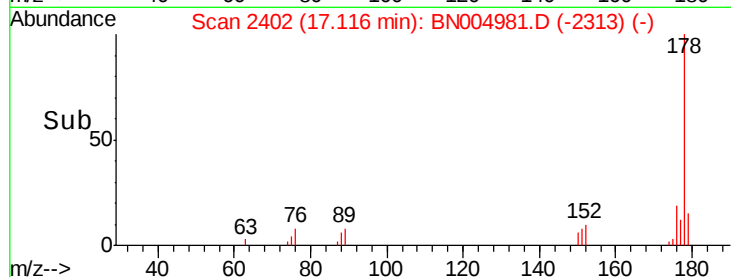
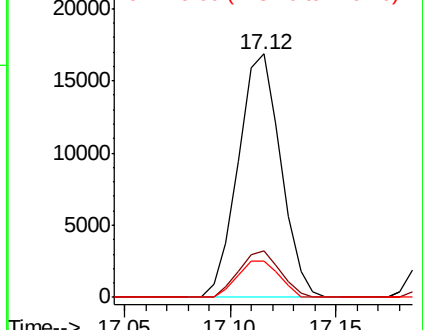
#71
Phenanthrene
Concen: 8.344 ng
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tgt Ion:178 Resp: 23535
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.1 12.3 18.5

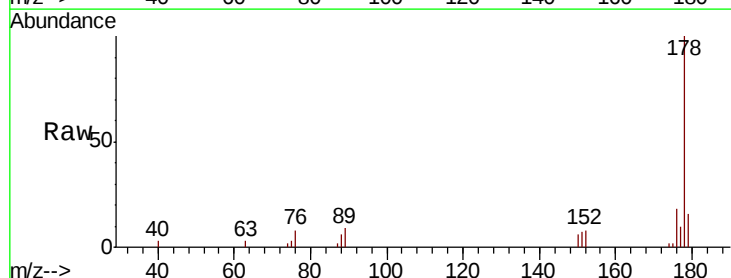


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

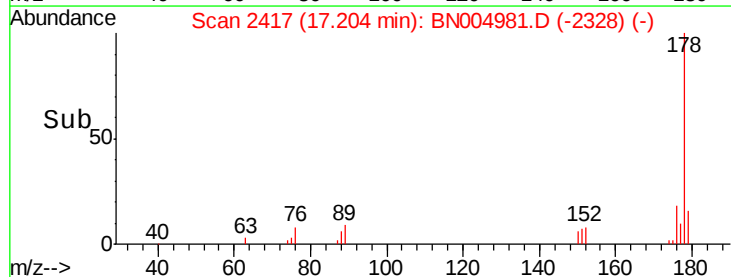
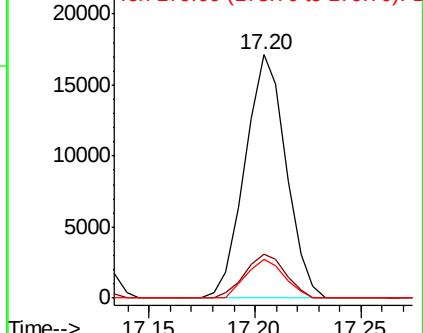


#72
Anthracene
Concen: 8.227 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion:178 Resp: 23098
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.8 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 8.289 ng

RT: 17.49 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

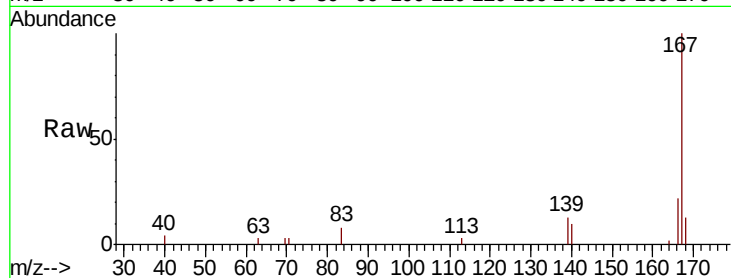
Tgt Ion:167 Resp: 21182

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

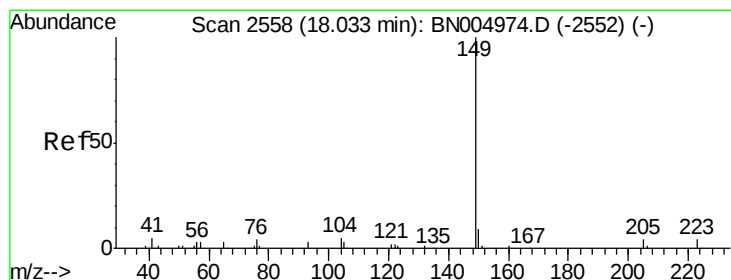
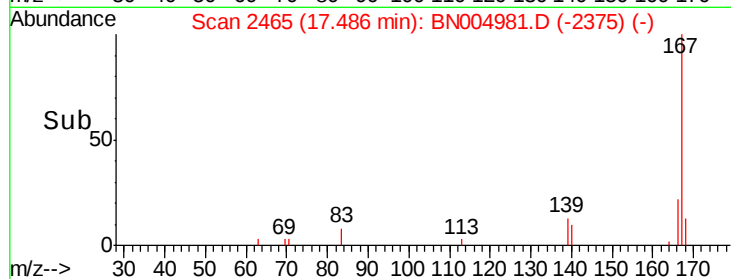
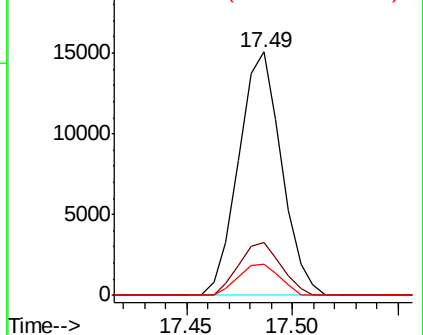
139 12.8 10.6 16.0



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: 8.102 ng

RT: 18.03 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

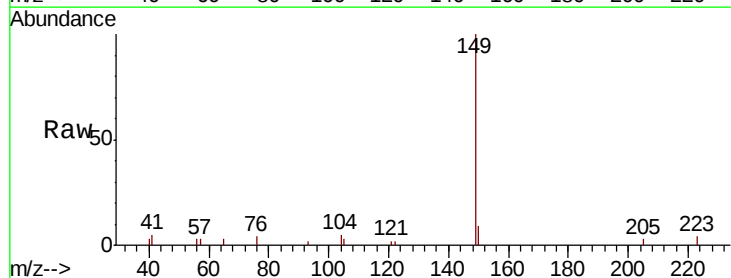
Tgt Ion:149 Resp: 25220

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

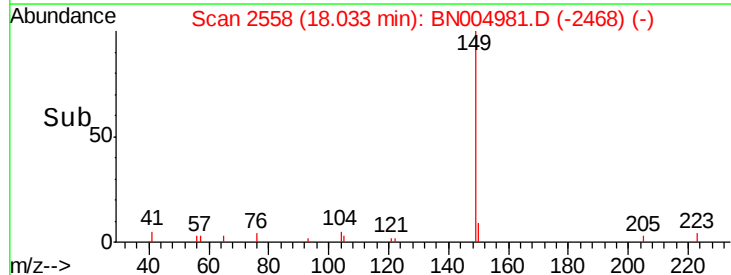
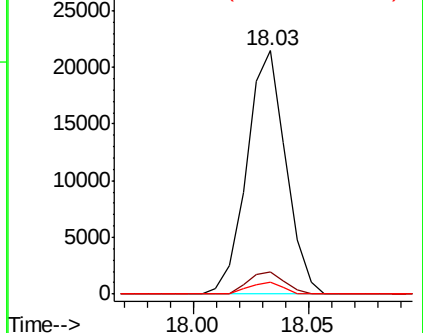
104 4.7 3.7 5.5



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

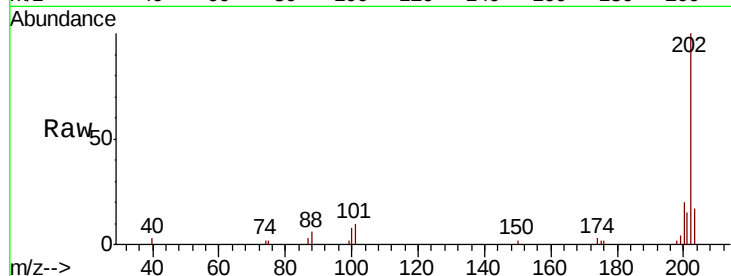




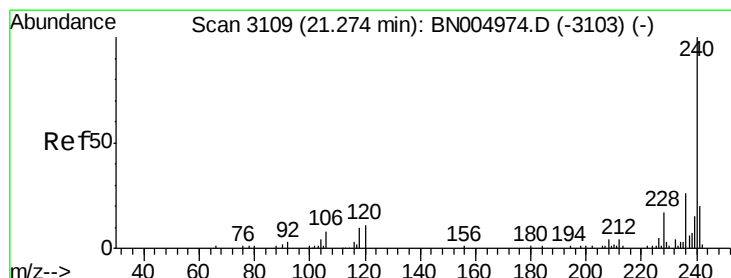
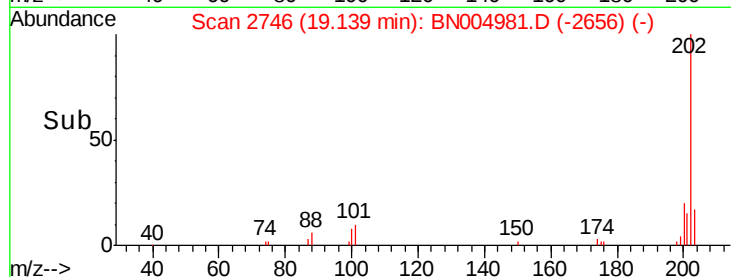
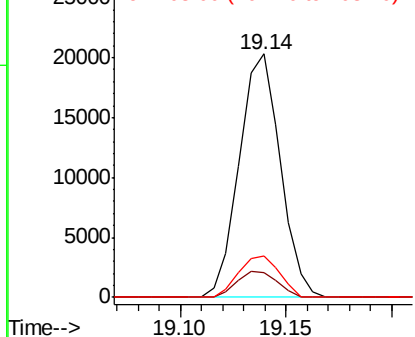
#75
 Fluoranthene
 Concen: 8.494 ng
 RT: 19.14 min Scan# 2746
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion: 202 Resp: 27333
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.1
 203 17.2 0.0 37.5

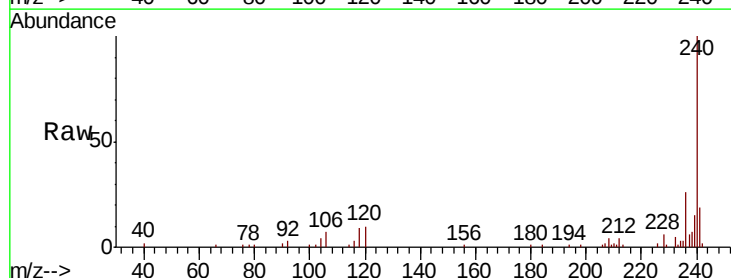


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

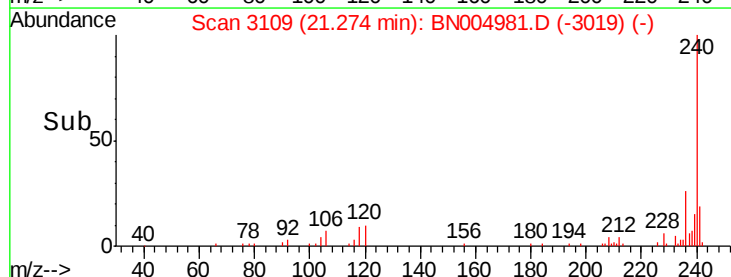
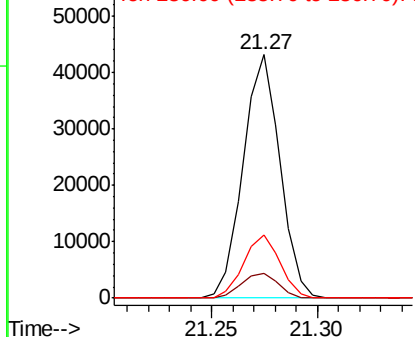


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion: 240 Resp: 52246
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.5 12.7
 236 26.1 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: 5.466 ng

RT: 19.33 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

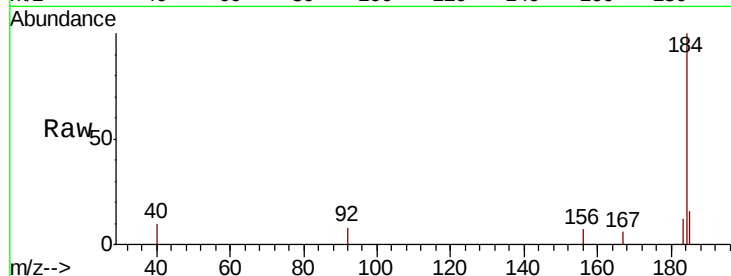
Tgt Ion:184 Resp: 8900

Ion Ratio Lower Upper

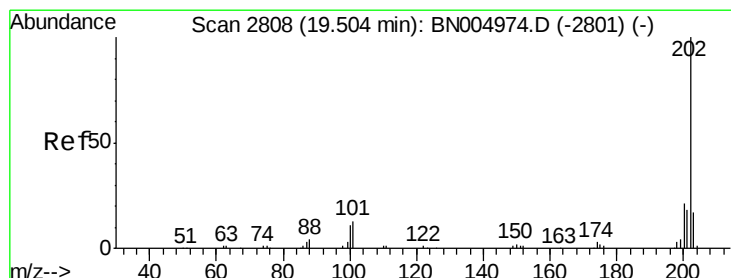
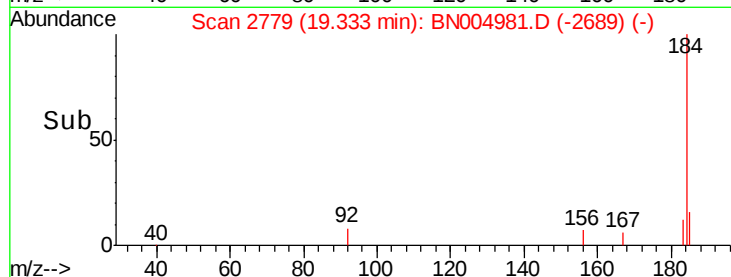
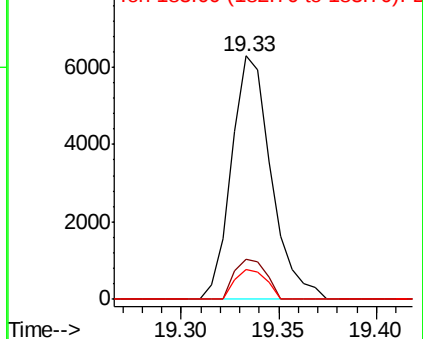
184 100

185 16.3 11.8 17.8

183 12.1 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.098 ng

RT: 19.50 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

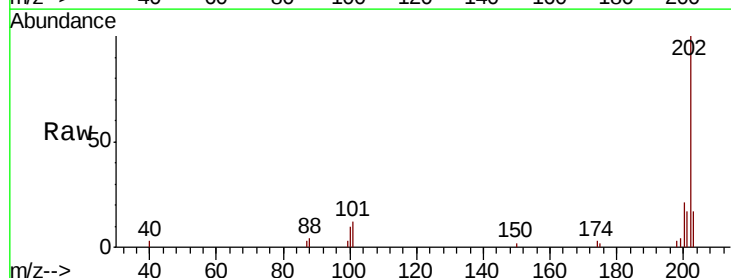
Tgt Ion:202 Resp: 28252

Ion Ratio Lower Upper

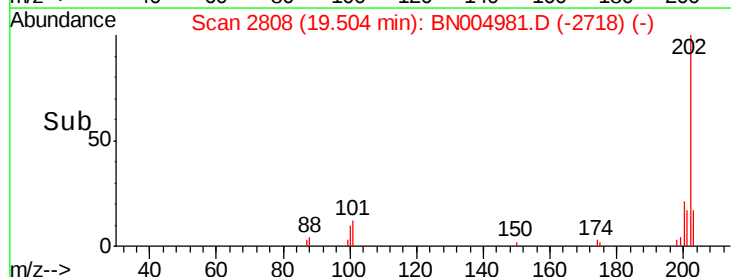
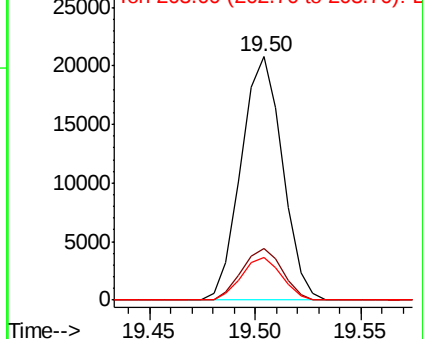
202 100

200 21.1 17.0 25.4

203 17.4 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.983 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

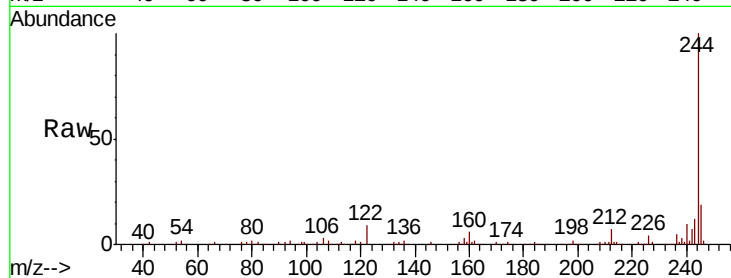
Tgt Ion:244 Resp: 236049

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

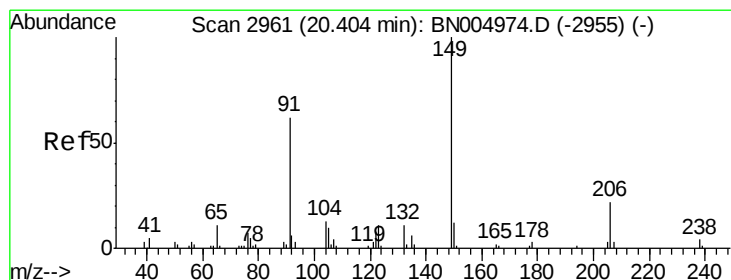
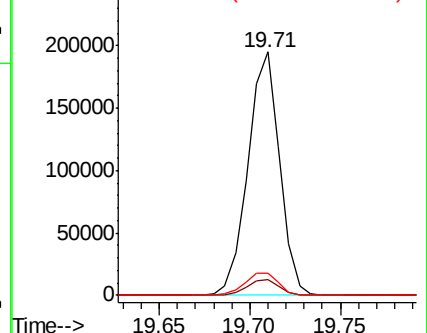
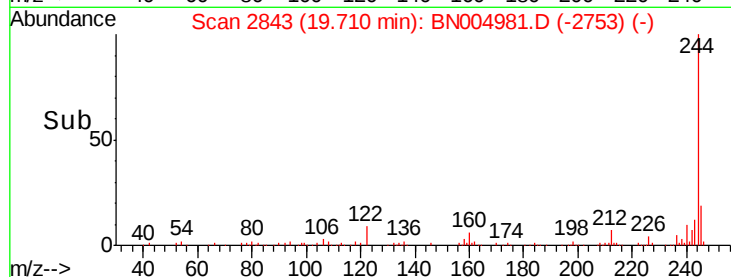
122 9.2 7.4 11.2



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: 7.728 ng

RT: 20.40 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

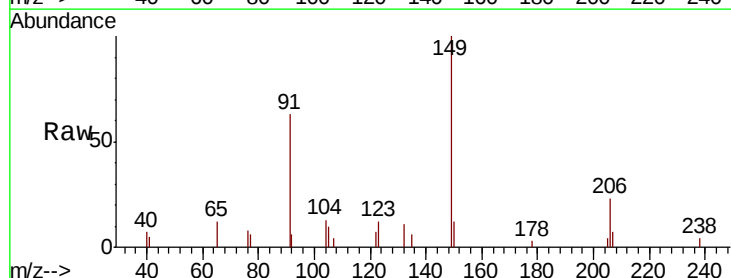
Tgt Ion:149 Resp: 10955

Ion Ratio Lower Upper

149 100

91 62.8 49.3 73.9

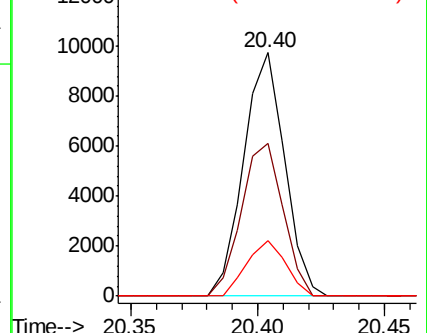
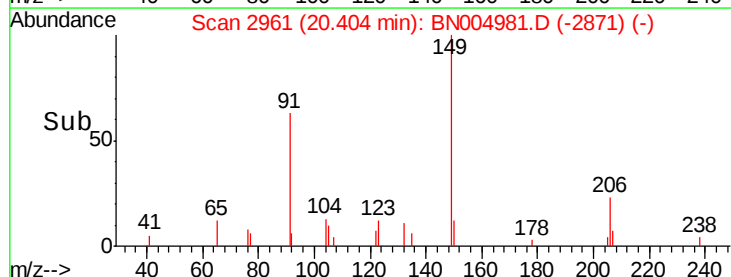
206 22.9 17.9 26.9

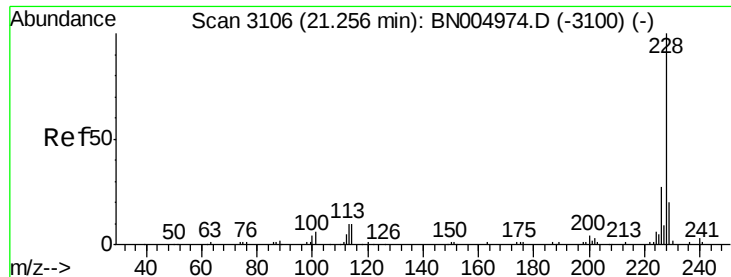


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.367 ng

RT: 21.26 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

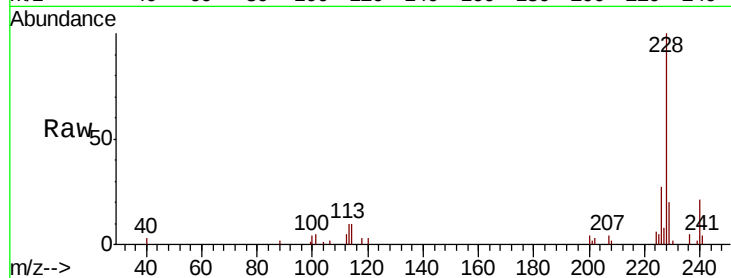
Tgt Ion:228 Resp: 27231

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

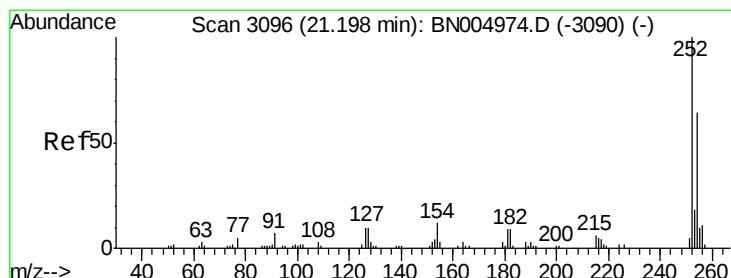
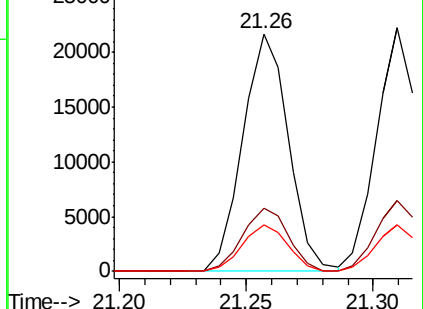
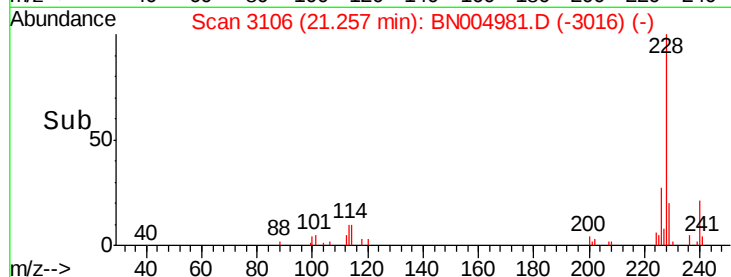
229 19.7 15.9 23.9



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: 7.862 ng

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

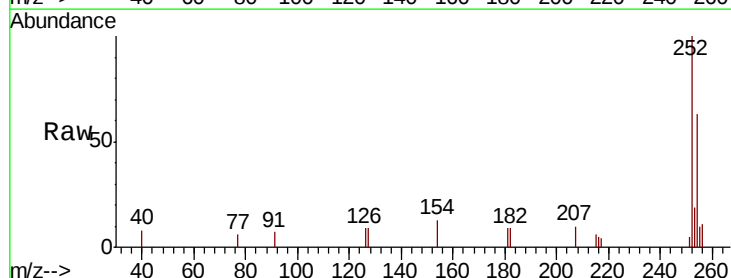
Tgt Ion:252 Resp: 9568

Ion Ratio Lower Upper

252 100

254 63.2 51.5 77.3

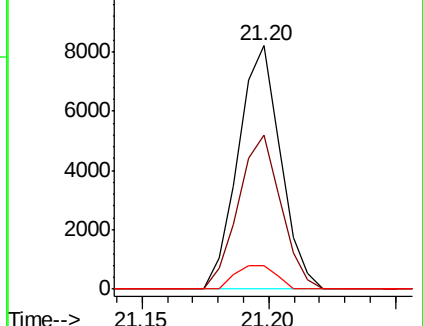
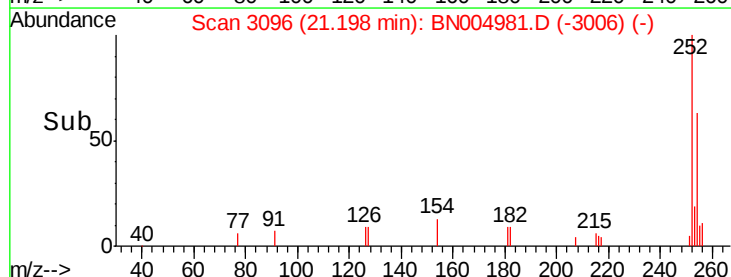
126 9.5 7.9 11.9

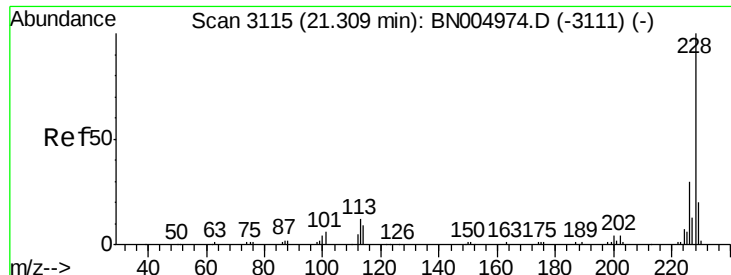


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

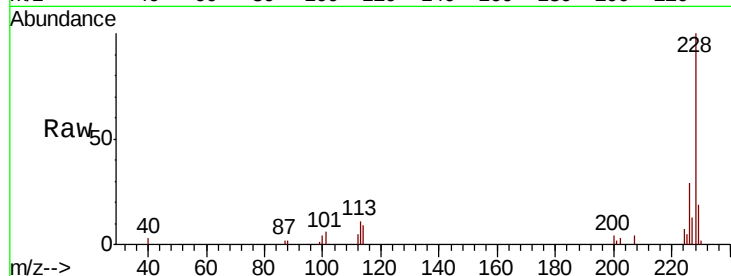




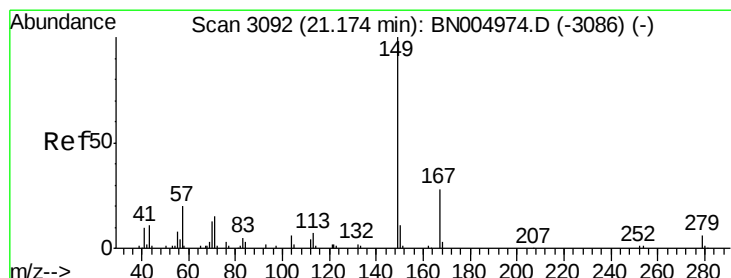
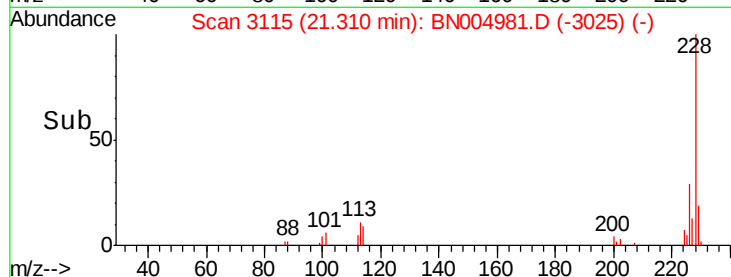
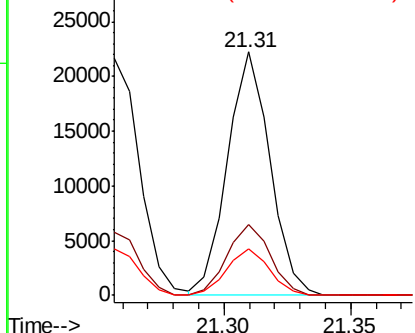
#83
Chrysene
 Concen: 8.324 ng
 RT: 21.31 min Scan# 3115
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tgt Ion: 228 Resp: 25874
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.2 36.2
 229 19.3 15.8 23.8

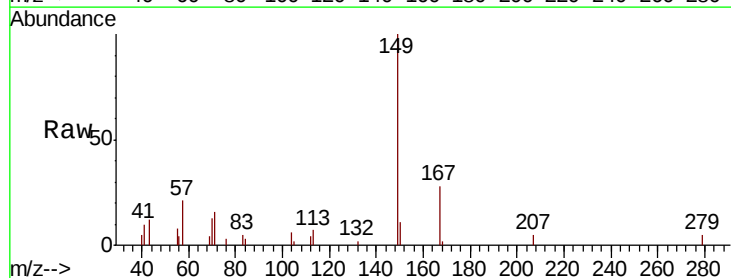


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

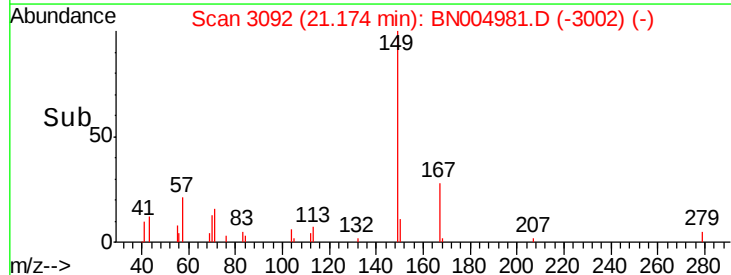
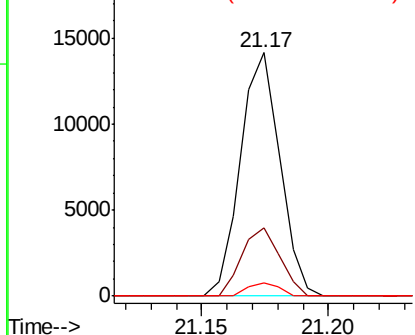


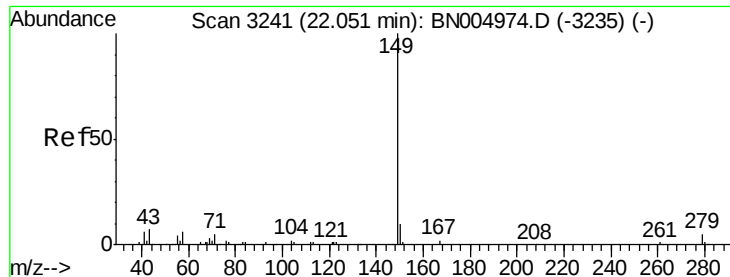
#84
Bis(2-ethylhexyl)phthalate
 Concen: 7.856 ng
 RT: 21.17 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

Tgt Ion: 149 Resp: 15408
 Ion Ratio Lower Upper
 149 100
 167 27.9 22.5 33.7
 279 5.3 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: 7.960 ng

RT: 22.05 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

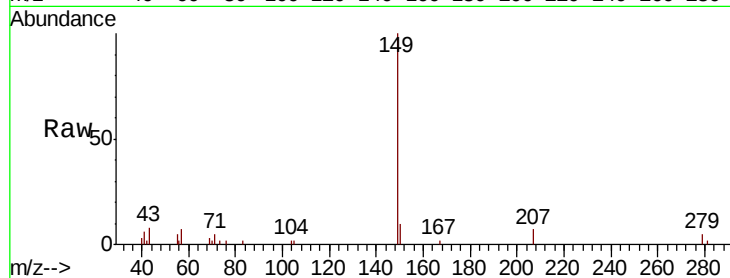
Tgt Ion:149 Resp: 25195

Ion Ratio Lower Upper

149 100

167 0.9 1.2 1.8#

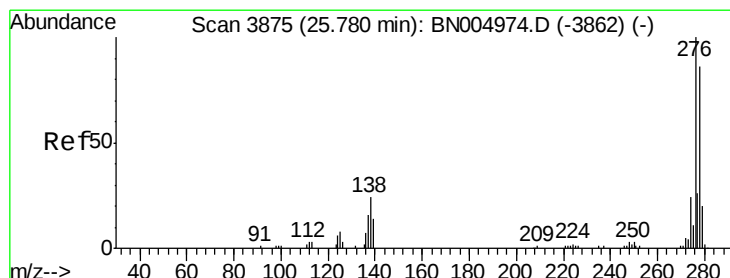
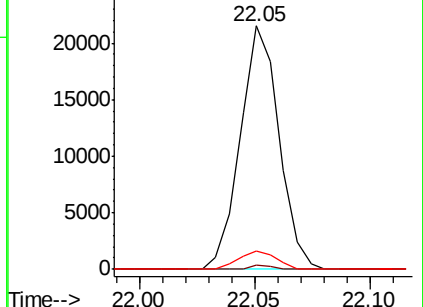
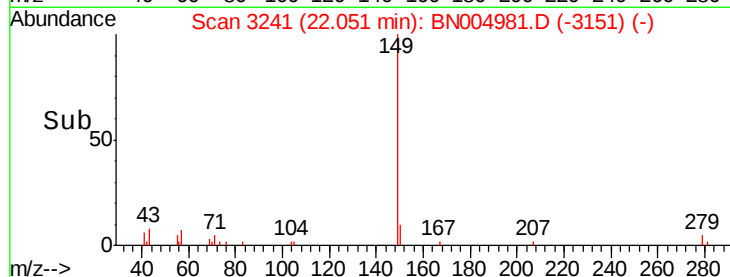
43 7.3 5.8 8.6



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: 7.508 ng

RT: 25.77 min Scan# 3874

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

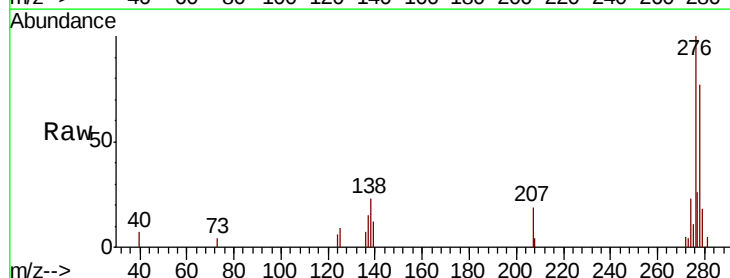
Tgt Ion:276 Resp: 26514

Ion Ratio Lower Upper

276 100

138 22.6 18.5 27.7

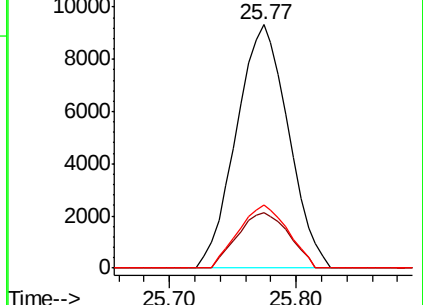
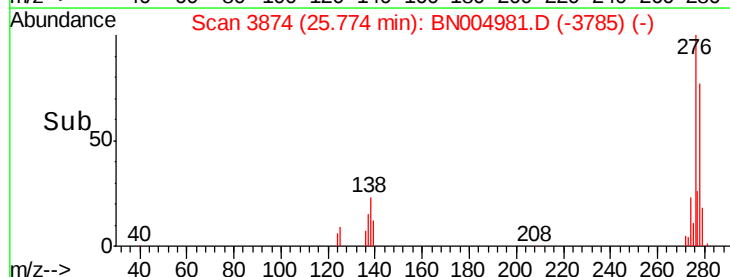
277 24.6 20.4 30.6

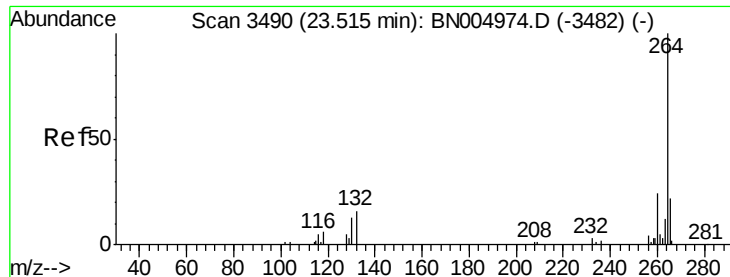


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



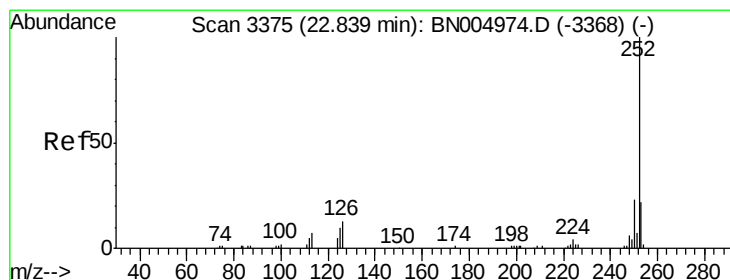
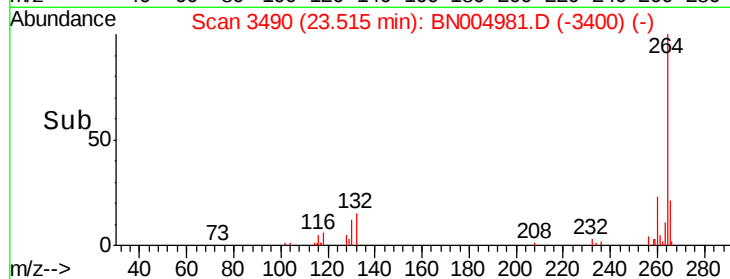
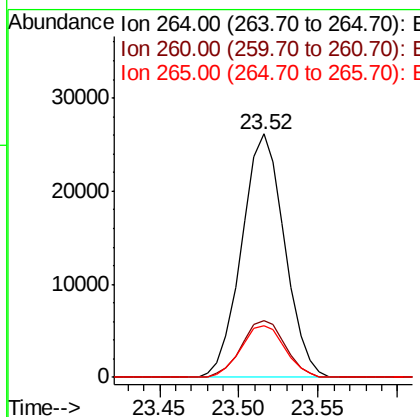
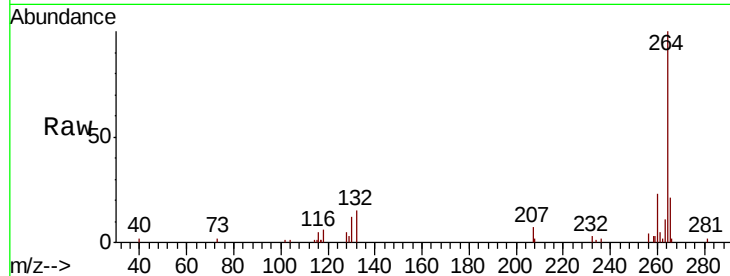


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tgt Ion: 264 Resp: 49167

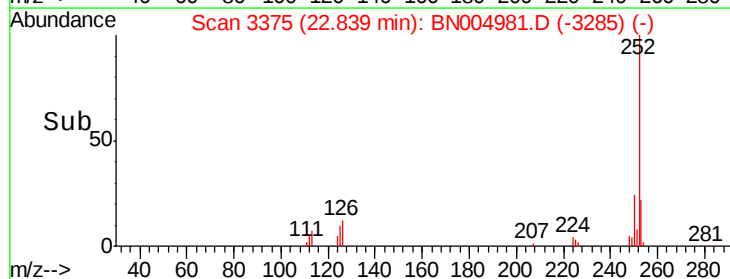
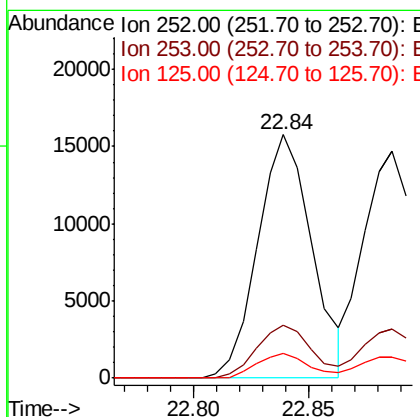
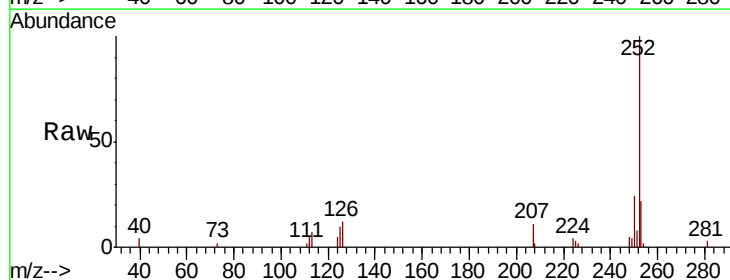
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.3	17.2	25.8

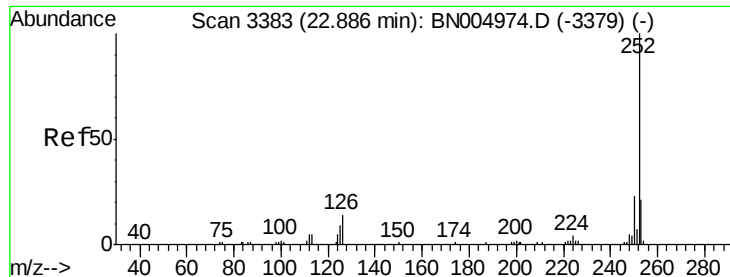


#88
Benzo(b)fluoranthene
Concen: 8.489 ng
RT: 22.84 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion: 252 Resp: 25690

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





#89

Benzo(k)fluoranthene

Concen: 8.441 ng

RT: 22.89 min Scan# 3383

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

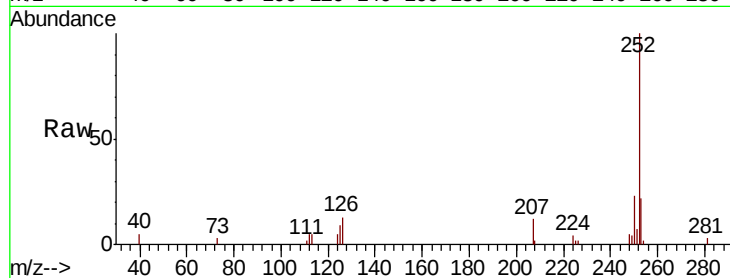
Tgt Ion:252 Resp: 23426

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

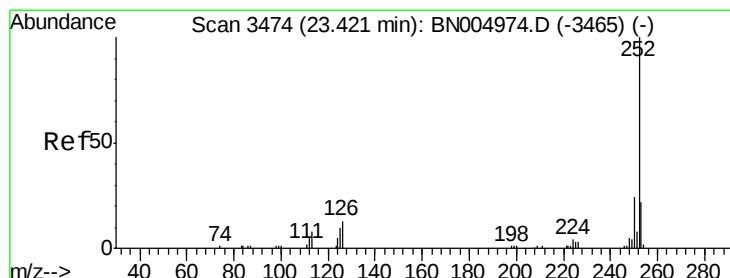
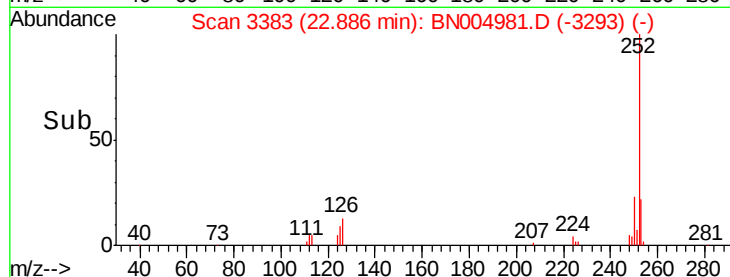
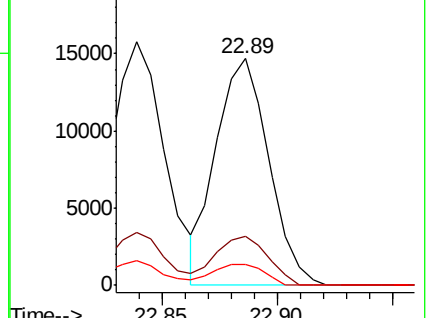
125 9.4 7.6 11.4



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



#90

Benzo(a)pyrene

Concen: 8.201 ng

RT: 23.42 min Scan# 3473

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

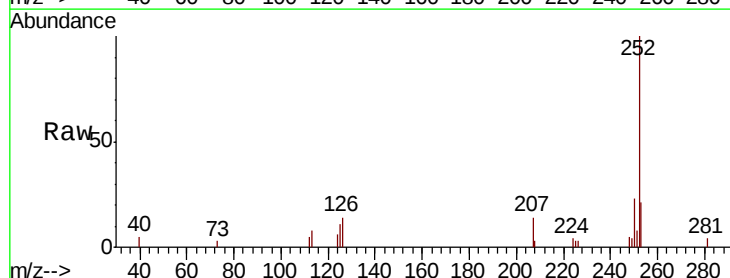
Tgt Ion:252 Resp: 22712

Ion Ratio Lower Upper

252 100

253 21.3 17.7 26.5

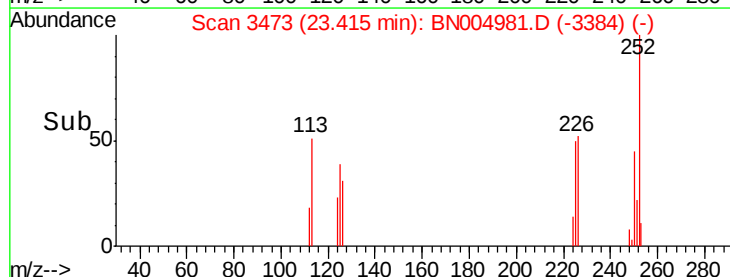
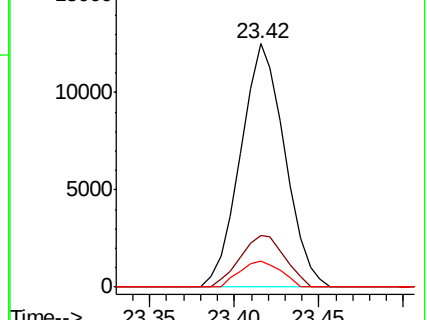
125 10.8 8.2 12.4

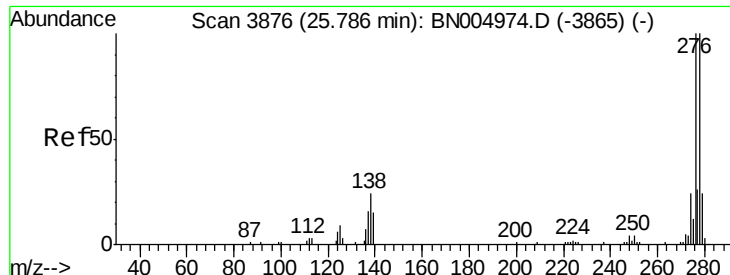


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.845 ng

RT: 25.79 min Scan# 3876

Delta R.T. 0.00 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

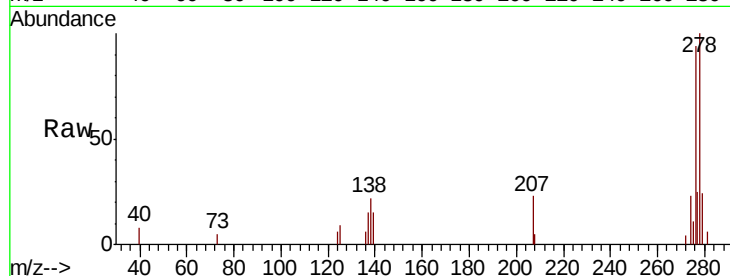
Tgt Ion:278 Resp: 21811

Ion Ratio Lower Upper

278 100

139 14.9 11.8 17.8

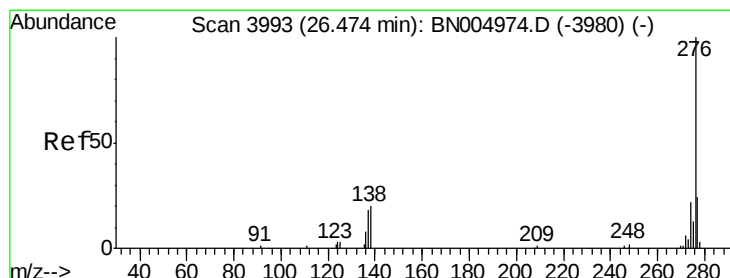
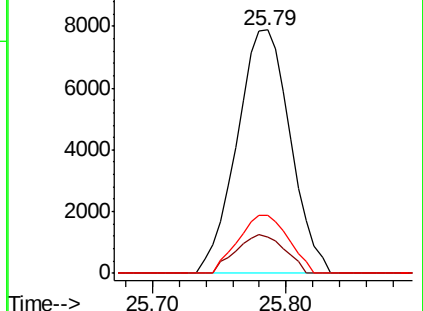
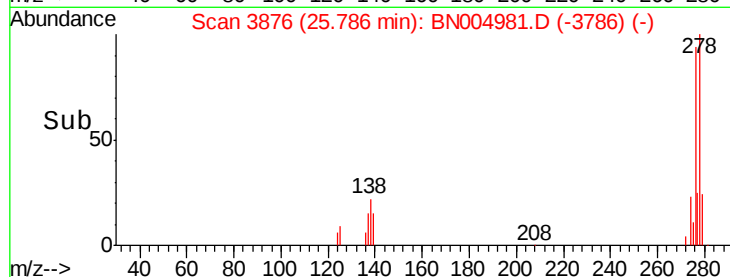
279 24.1 19.3 28.9



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: 7.799 ng

RT: 26.47 min Scan# 3992

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

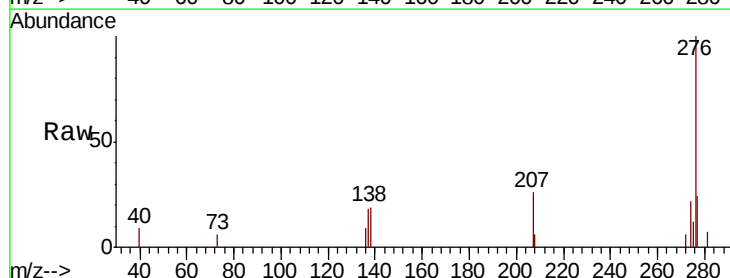
Tgt Ion:276 Resp: 21443

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 19.3 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

