

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 08:10:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 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
8) 2-Chlorophenol	7.24	128	5019	7.810	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	7.56	146	5339	7.626	ng	99
13) 1,4-Dichlorobenzene	7.71	146	5548	7.828	ng	98
14) 1,2-Dichlorobenzene	8.02	146	5311	7.831	ng	99
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
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
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

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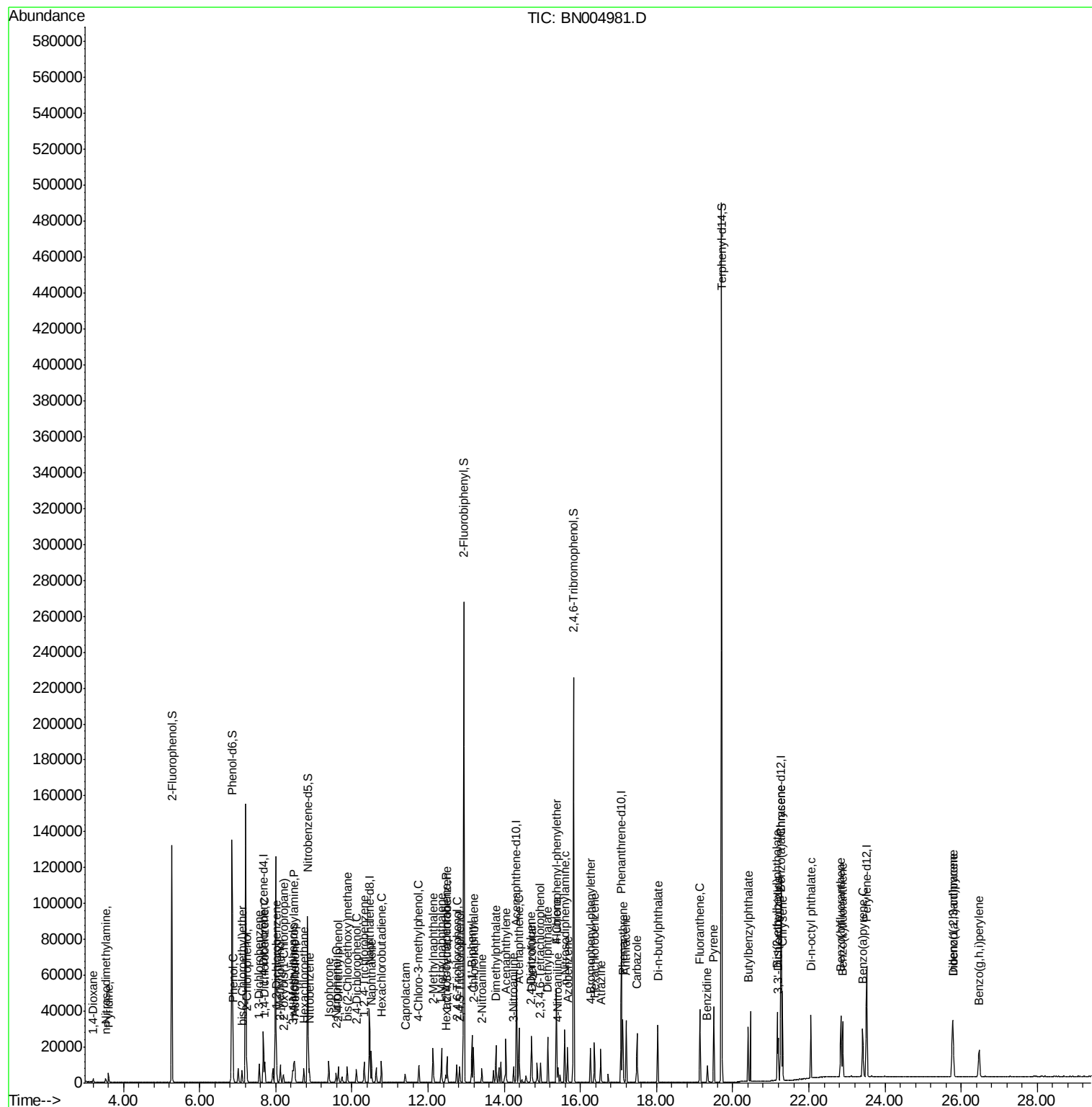
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Nitroaniline	13.42	65	2733	7.201	nq	100
49) Acenaphthylene	14.05	152	19876	8.288	nq	99
50) Dimethylphthalate	13.78	163	15311	8.489	nq	99
52) Acenaphthene	14.39	154	11394	8.446	nq	99
53) 3-Nitroaniline	14.25	138	2954	7.042	nq #	96
55) Dibenzofuran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

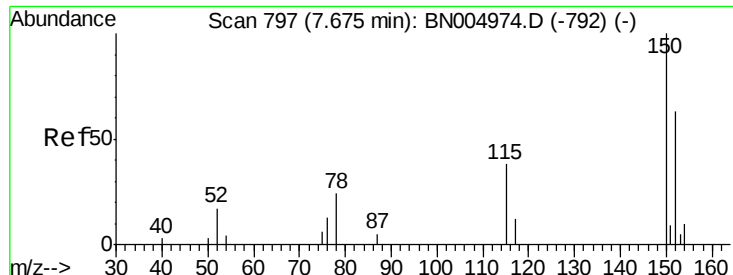
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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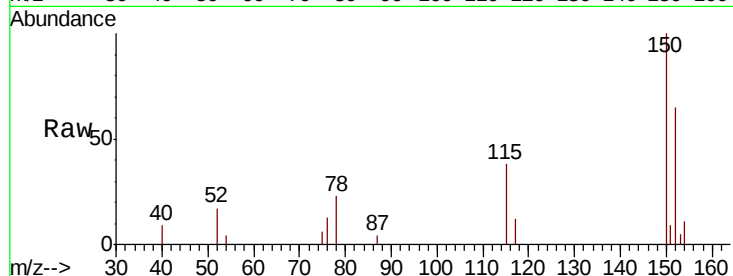


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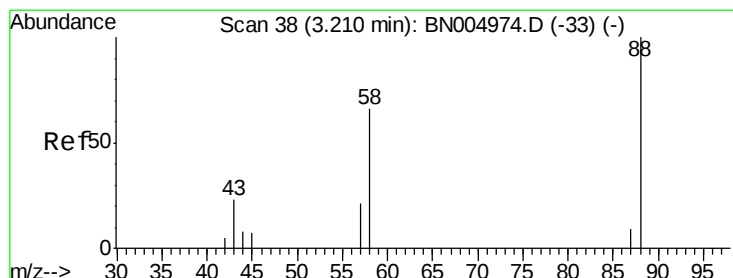
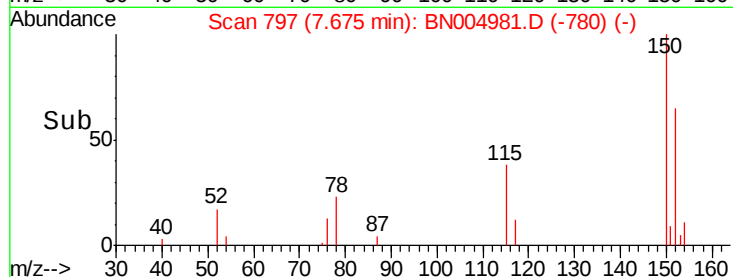
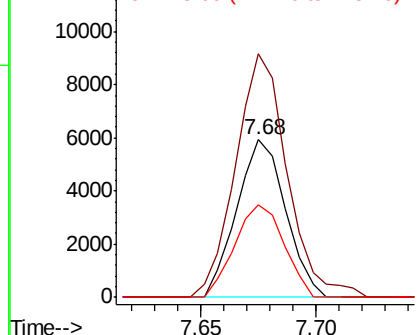
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

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



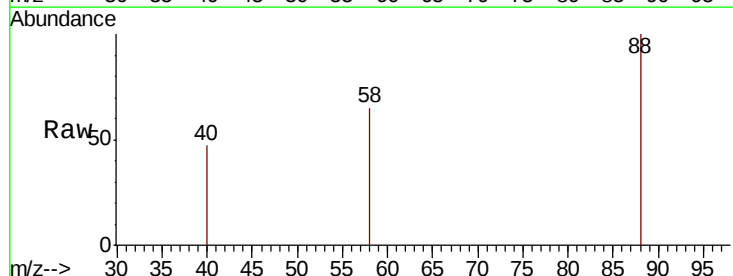
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



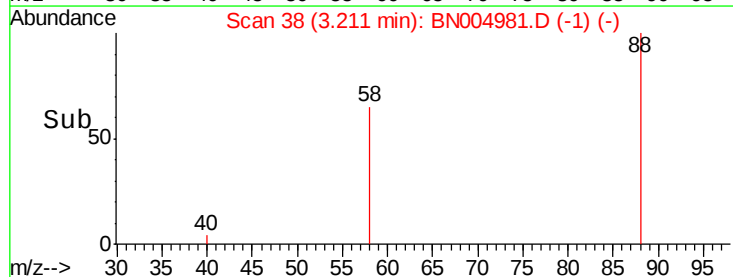
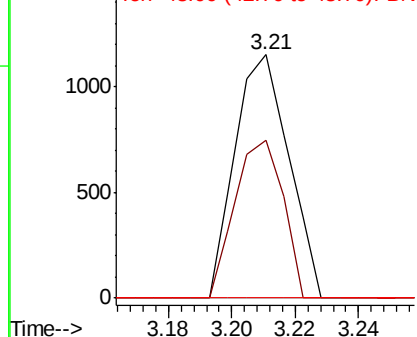
#2

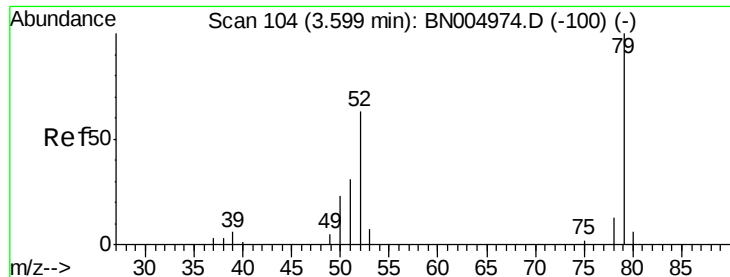
1,4-Dioxane
Concen: 7.340 ng
RT: 3.21 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Pvridine

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

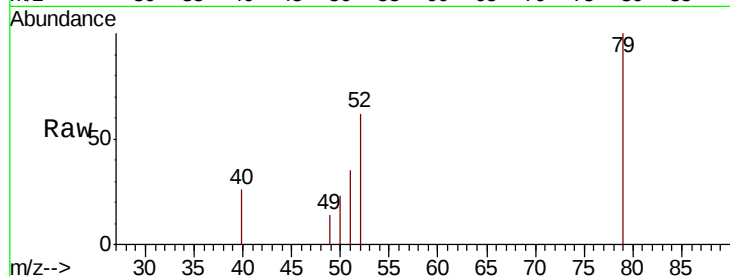
Tot Ion: 79 Resp: 3465

Ion Ratio Lower Upper

79 100

52 61.7 50.2 75.4

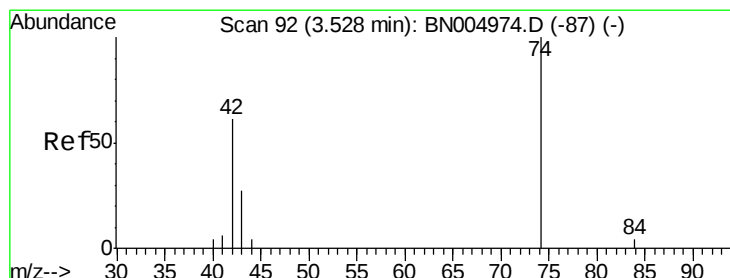
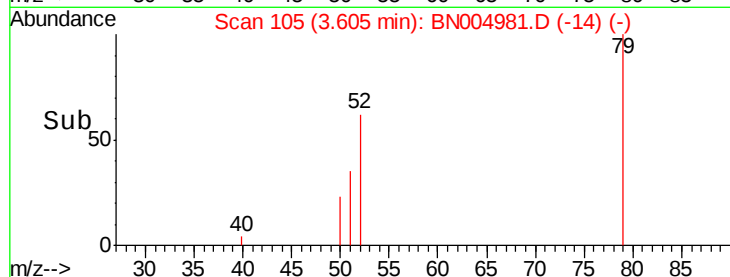
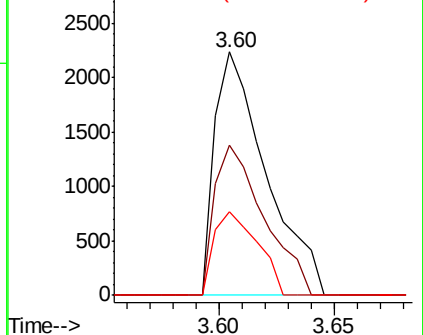
51 34.6 25.0 37.4



Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-100) (-)

Ion 52.00 (51.70 to 52.70): BN004974.D (-100) (-)

Ion 51.00 (50.70 to 51.70): BN004974.D (-100) (-)



#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

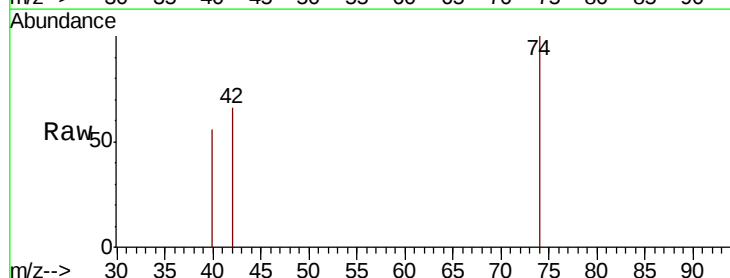
Tgt Ion: 42 Resp: 895

Ion Ratio Lower Upper

42 100

74 150.5 130.8 196.2

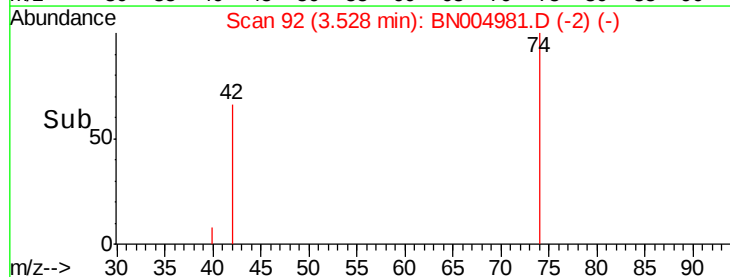
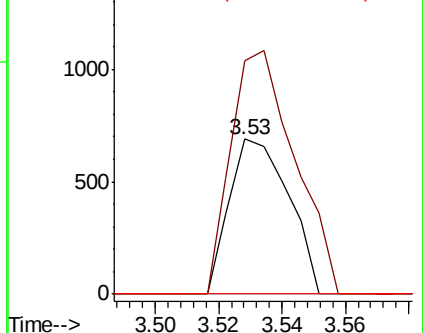
44 0.0 5.7 8.5#

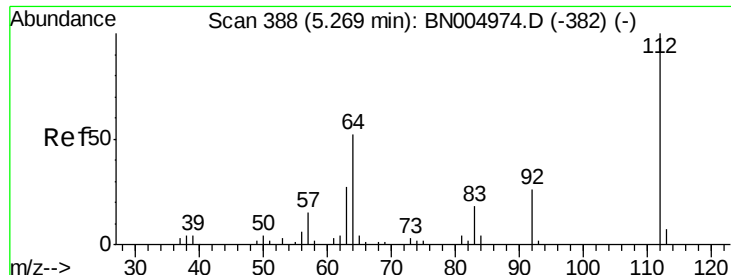


Abundance Ion 42.00 (41.70 to 42.70): BN004974.D (-87) (-)

Ion 74.00 (73.70 to 74.70): BN004974.D (-87) (-)

Ion 44.00 (43.70 to 44.70): BN004974.D (-87) (-)





#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 :

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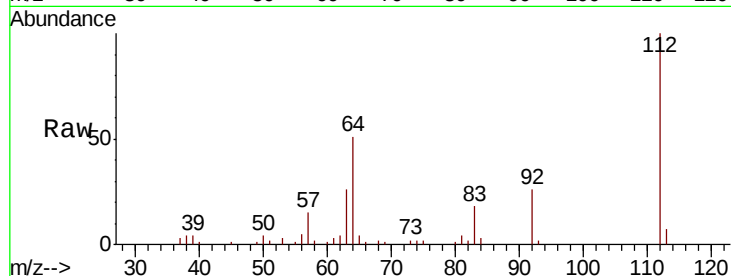
Tot Ion: 112 Resp: 64731

Ion Ratio Lower Upper

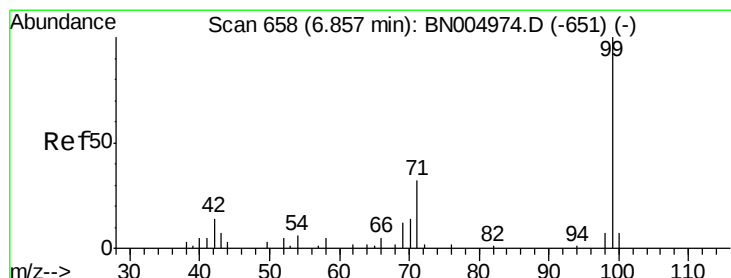
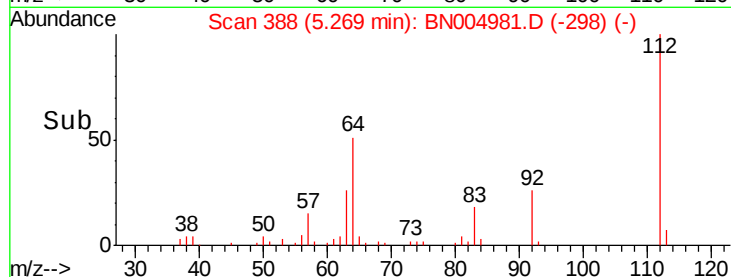
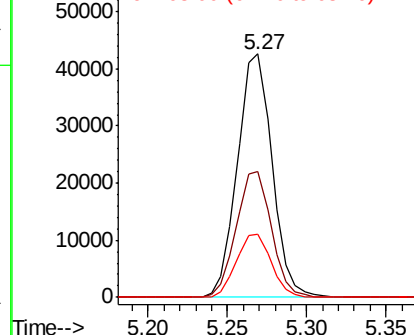
112 100

64 51.5 41.9 62.9

63 25.8 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC



#7

Phenol-d6

Concen: 126.188 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BN004981.D

Acq: 26 Mar 2019 17:54

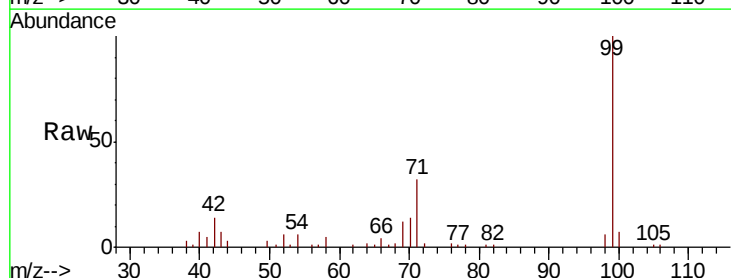
Tgt Ion: 99 Resp: 84725

Ion Ratio Lower Upper

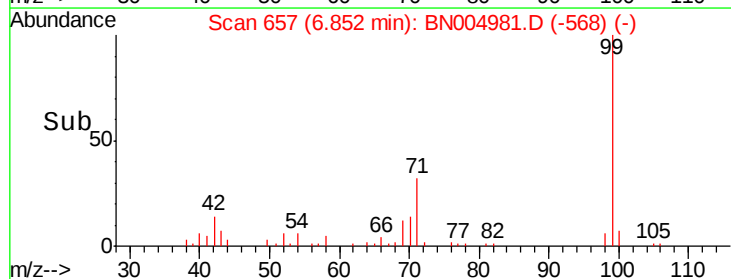
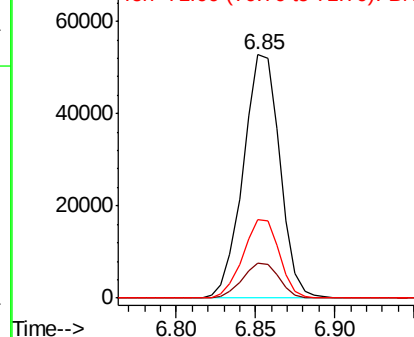
99 100

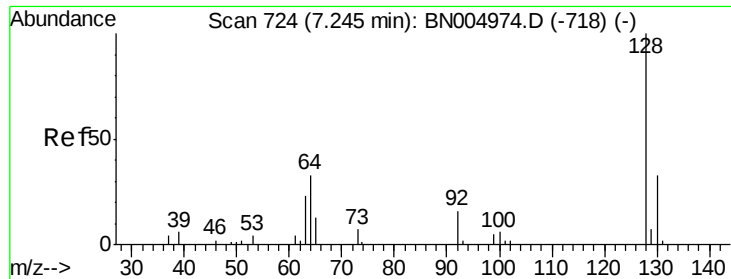
42 14.2 11.4 17.0

71 32.3 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC





#8

2-Chlorophenol

Concen: 7.810 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

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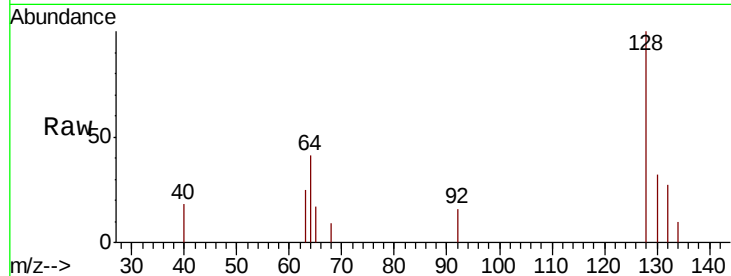
Tot Ion:128 Resp: 5019

Ion Ratio Lower Upper

128 100

130 31.9 12.9 52.9

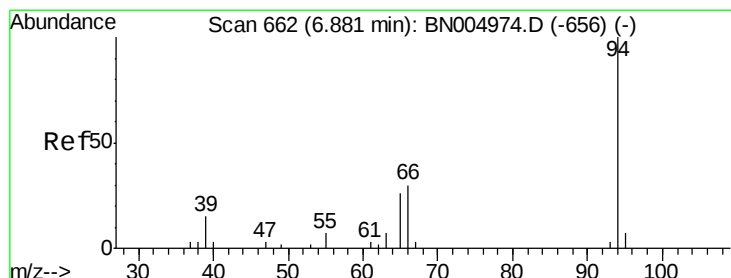
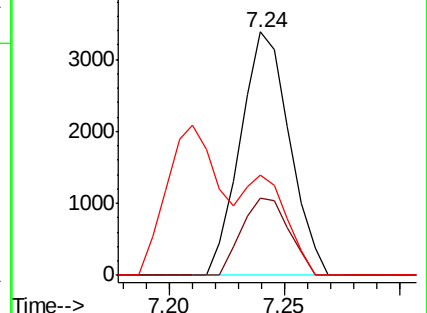
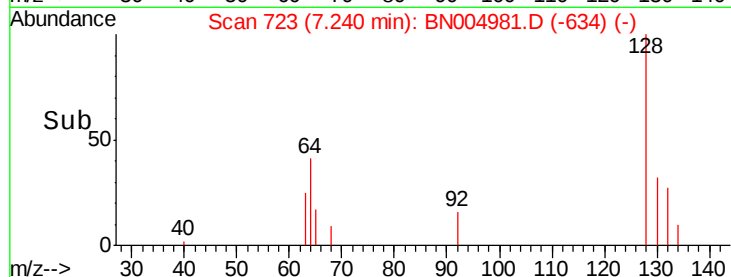
64 41.1 19.9 59.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): 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

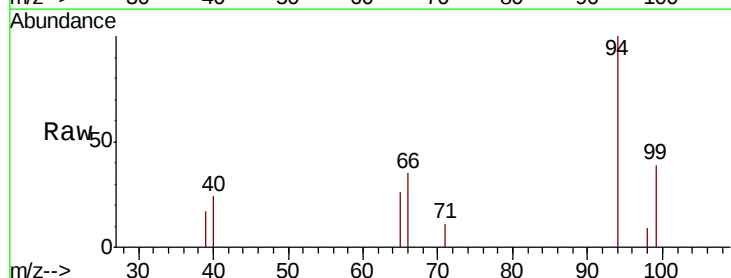
Tgt Ion: 94 Resp: 5441

Ion Ratio Lower Upper

94 100

65 26.1 5.7 45.7

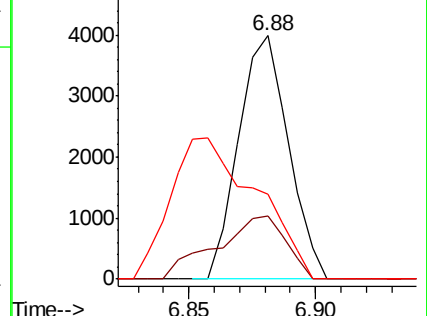
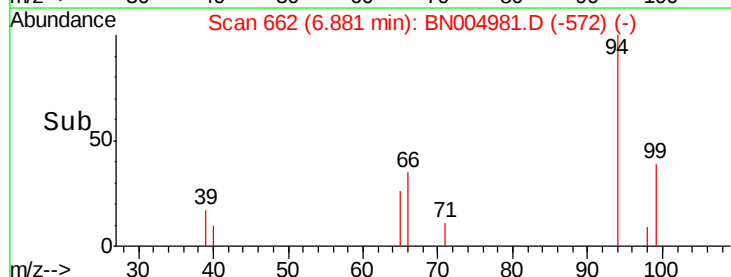
66 35.1 14.8 54.8

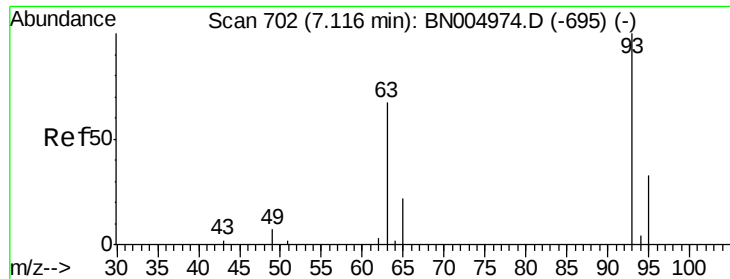


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC

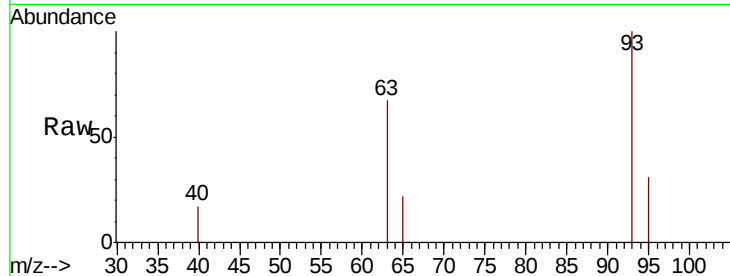




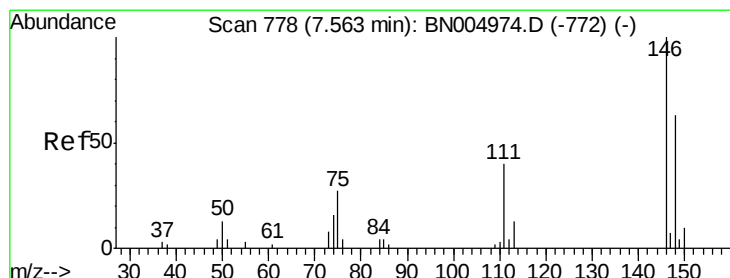
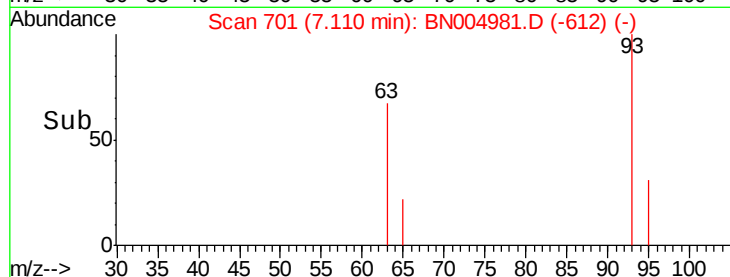
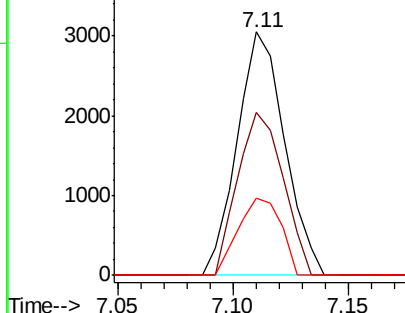
#11
bis(2-Chloroethyl)ether
Concen: 7.846 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
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Tot Ion: 93 Resp: 4365
Ion Ratio Lower Upper
93 100
63 66.9 47.0 87.0
95 31.5 12.7 52.7

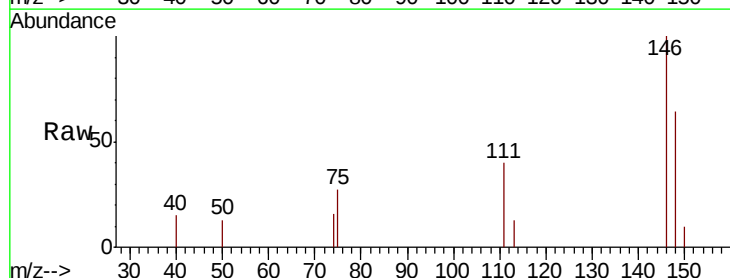


Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0

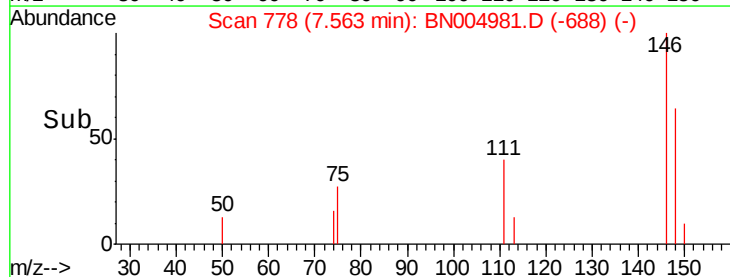
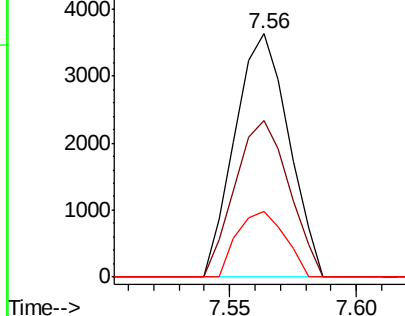


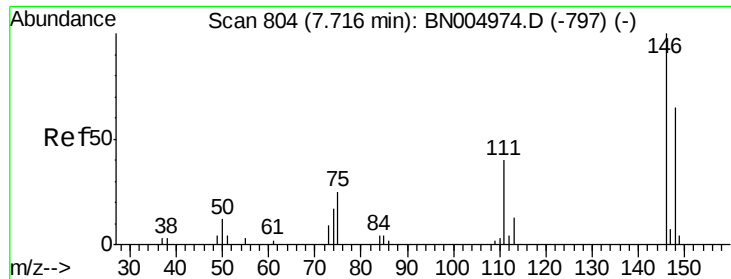
#12
1,3-Dichlorobenzene
Concen: 7.626 ng
RT: 7.56 min Scan# 778
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

Tgt Ion: 146 Resp: 5339
Ion Ratio Lower Upper
146 100
148 64.2 52.0 78.0
75 26.9 22.0 33.0



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

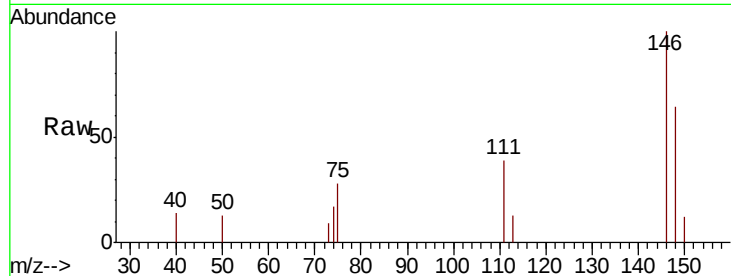




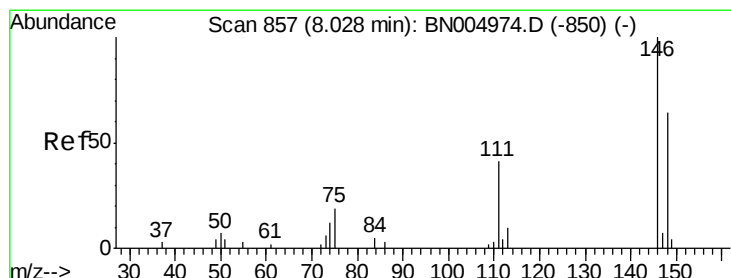
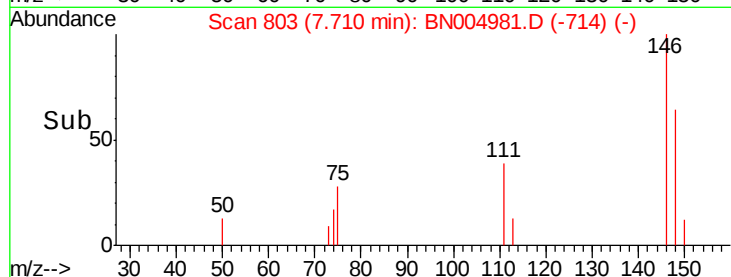
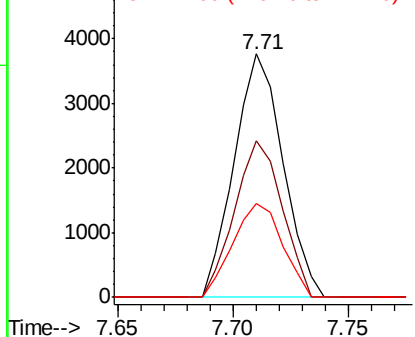
#13
 1,4-Dichlorobenzene
 Concen: 7.828 ng
 RT: 7.71 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:146 Resp: 5548
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.4 77.2
 111 38.5 32.6 49.0

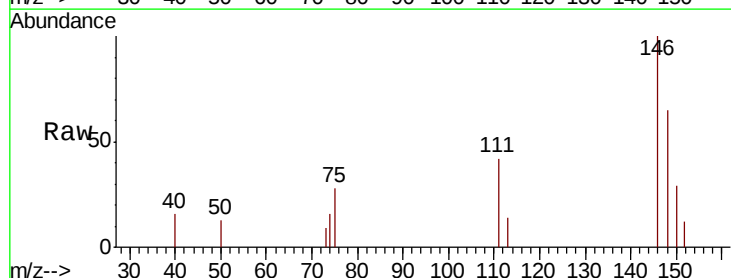


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

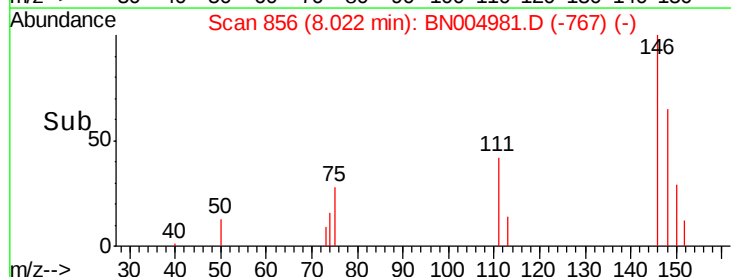
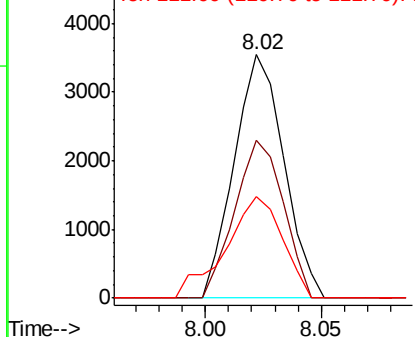


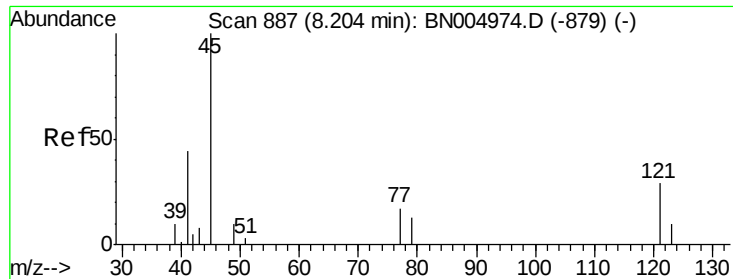
#14
 1,2-Dichlorobenzene
 Concen: 7.831 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

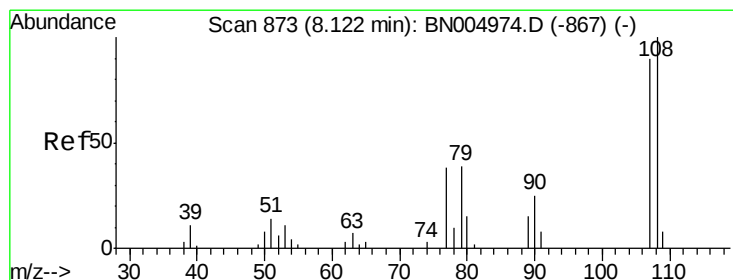
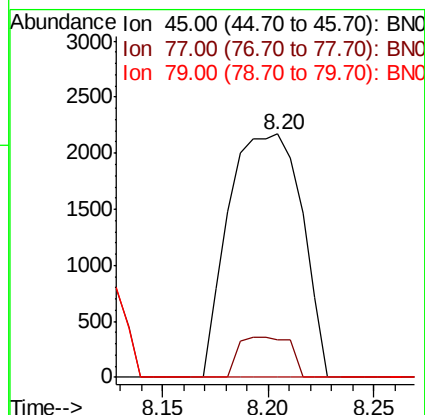
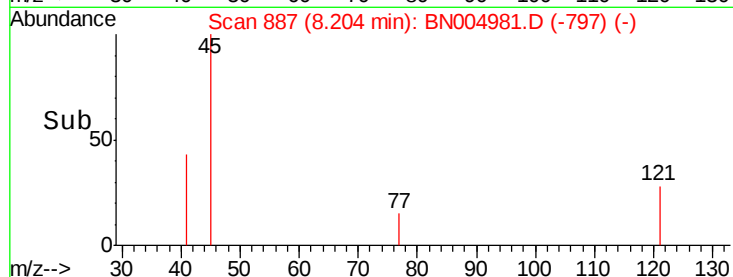
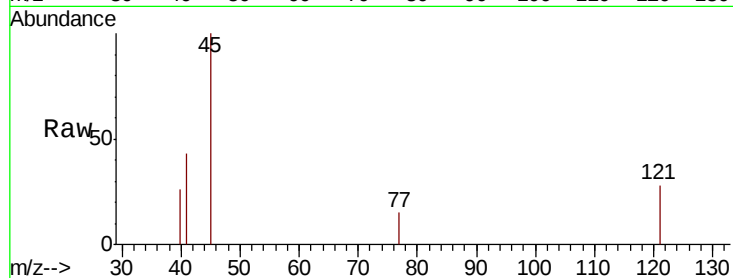




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 7.803 ng
RT: 8.20 min Scan# 887
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

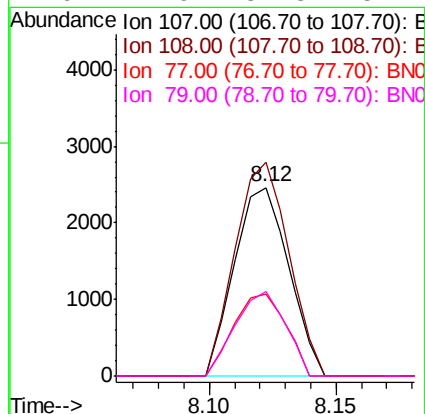
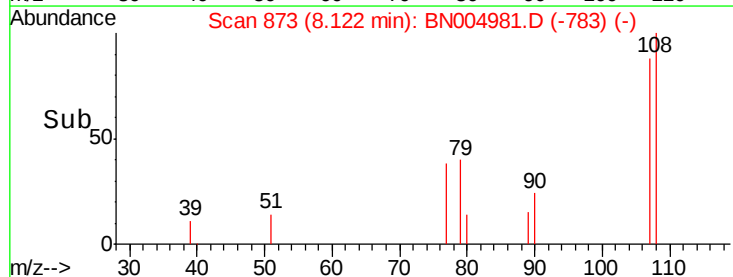
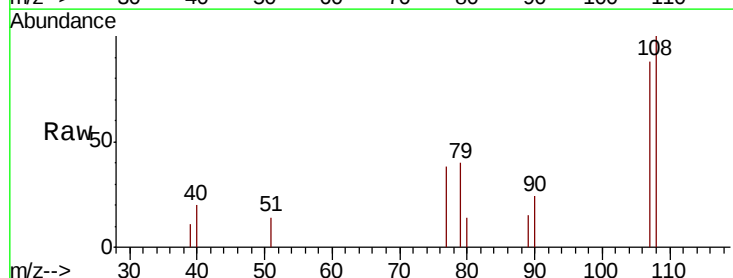
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

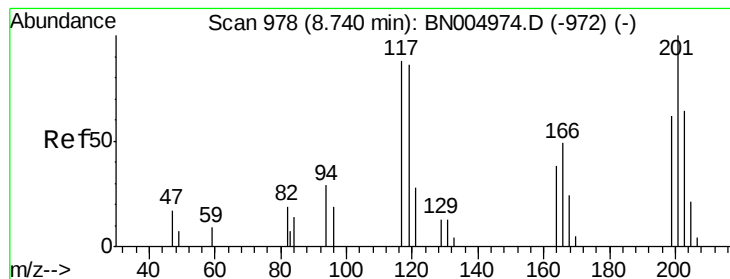
Tot Ion: 45 Resp: 5238
Ion Ratio Lower Upper
45 100
77 15.4 0.0 36.9
79 0.0 0.0 33.3



#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

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

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

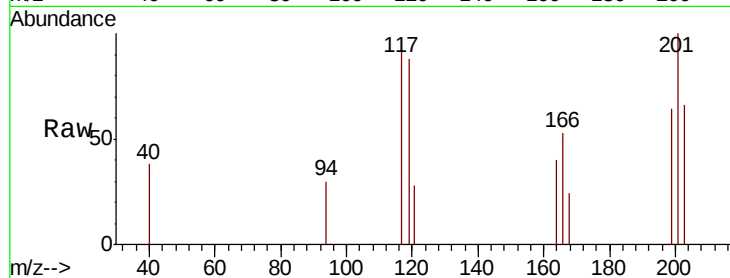
Tot Ion:117 Resp: 1818

Ion Ratio Lower Upper

117 100

119 94.3 77.5 116.3

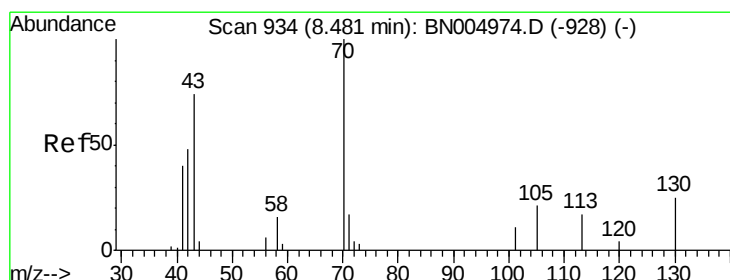
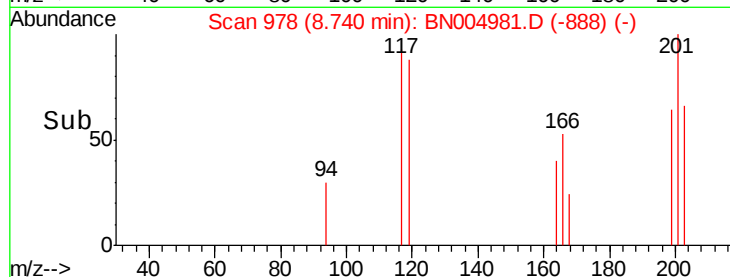
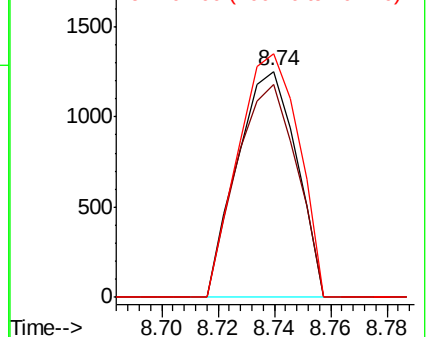
201 107.7 90.5 135.7



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 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

Tgt Ion: 70 Resp: 3436

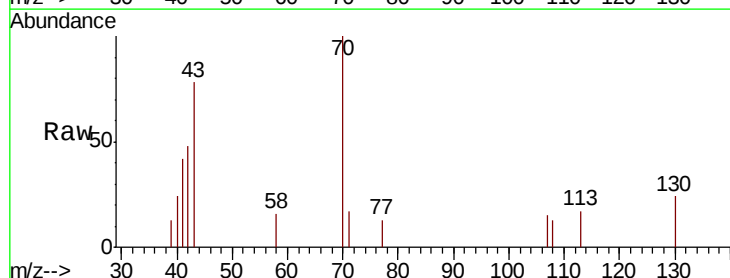
Ion Ratio Lower Upper

70 100

42 48.4 38.4 57.6

101 0.0 8.8 13.2#

130 24.4 19.8 29.8

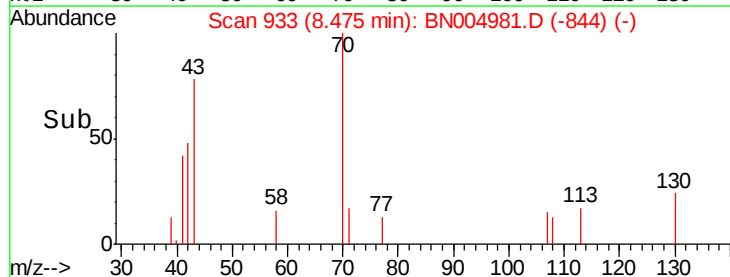
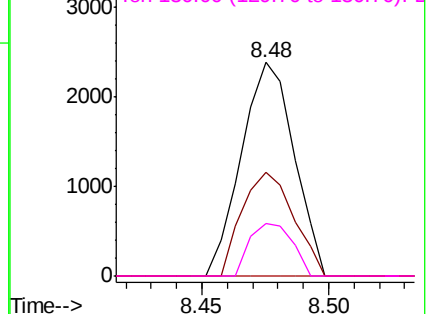


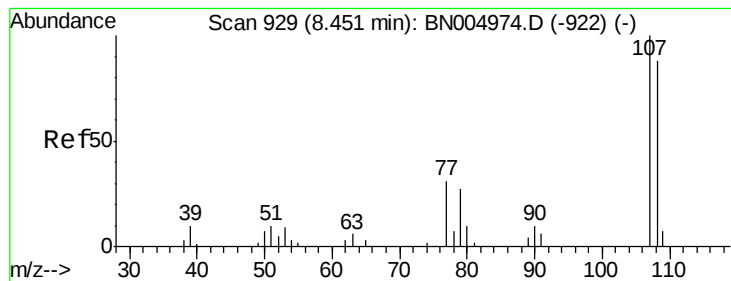
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): BNC

Ion 130.00 (129.70 to 130.70): BNC





#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

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tot Ion:107 Resp: 4947

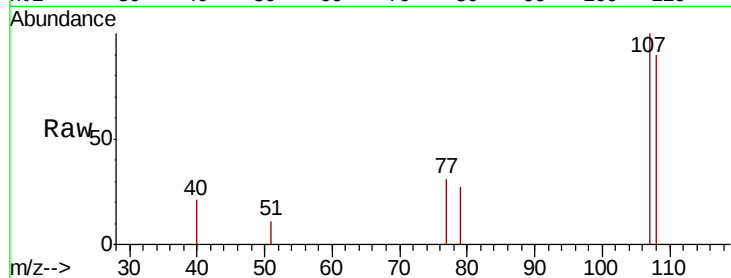
Ion Ratio Lower Upper

107 100

108 89.5 67.9 107.9

77 30.8 10.6 50.6

79 27.3 6.8 46.8

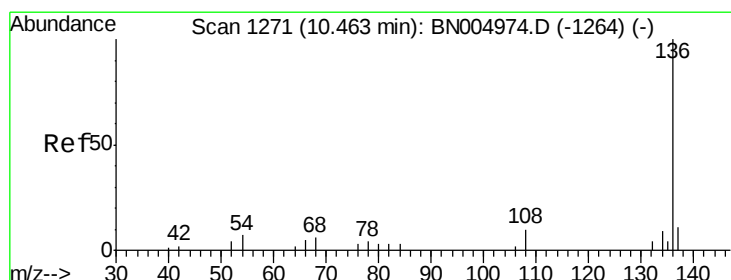
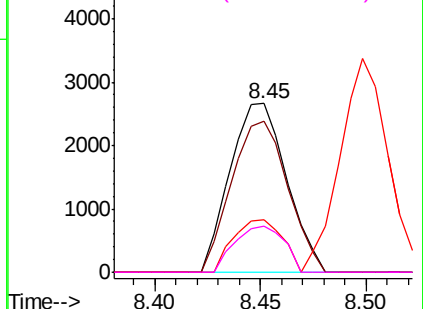
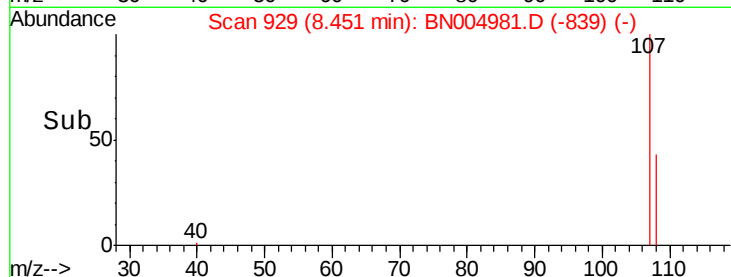


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#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

Tgt Ion:136 Resp: 37223

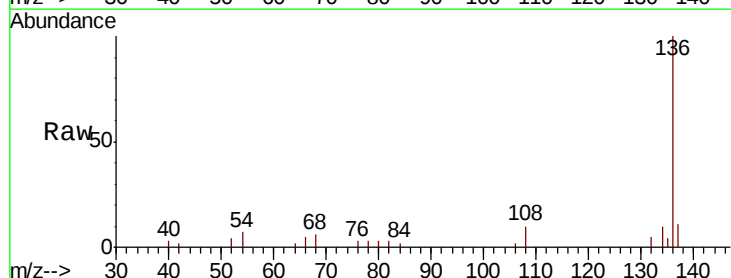
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 5.3 7.9

68 5.8 4.6 6.8

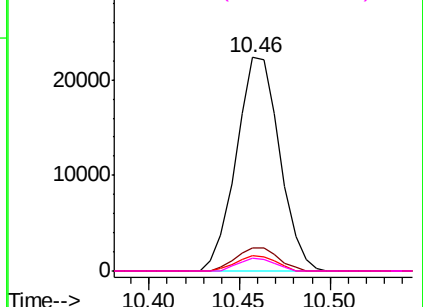
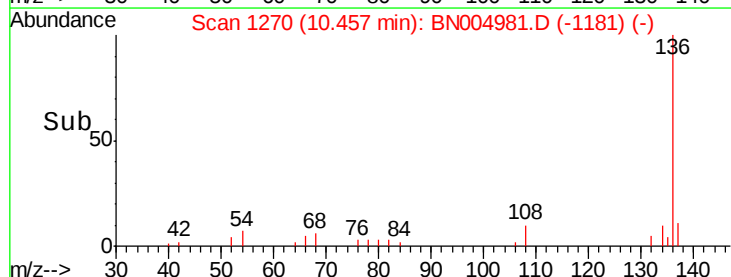


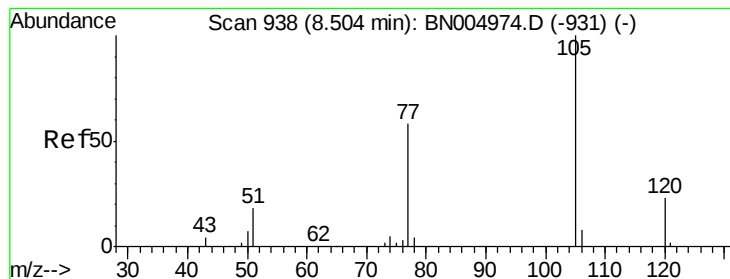
Abundance Ion 136.00 (135.70 to 136.70): E

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

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tot Ion: 105 Resp: 6966

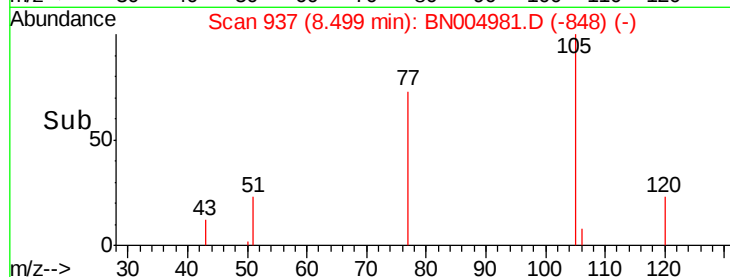
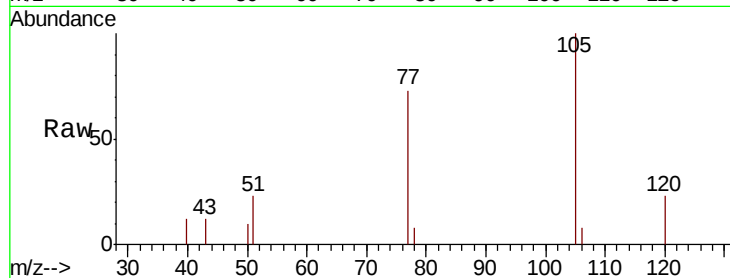
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 22.6 17.8 26.8

120 22.6 18.6 27.8

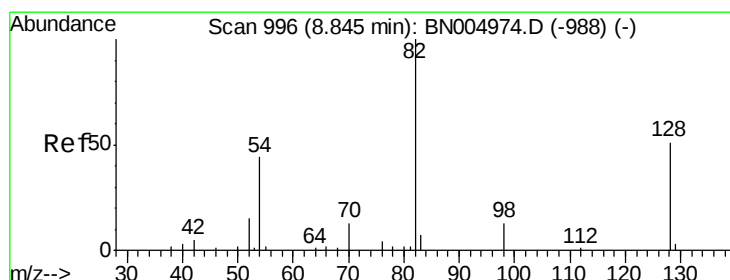
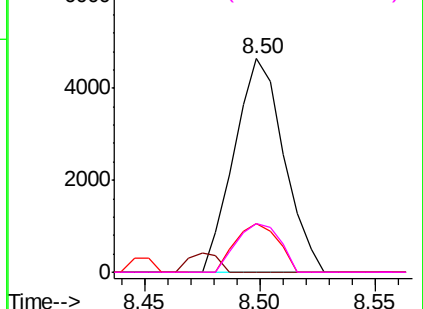


Abundance Ion 105.00 (104.70 to 105.70): E

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

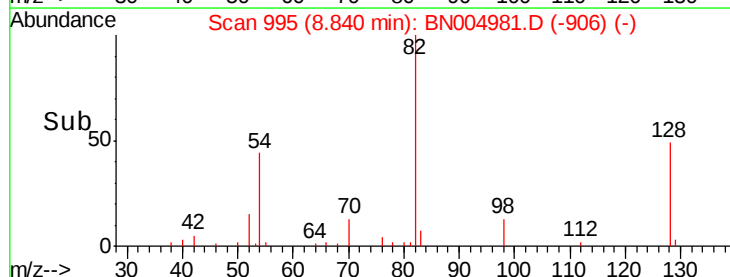
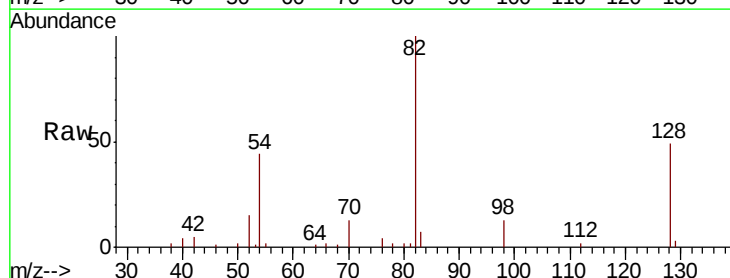
Tgt Ion: 82 Resp: 54329

Ion Ratio Lower Upper

82 100

128 48.8 40.6 60.8

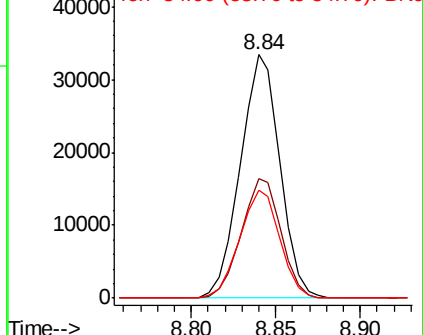
54 44.2 35.2 52.8

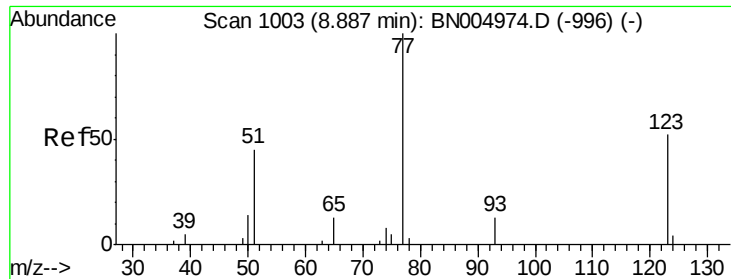


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

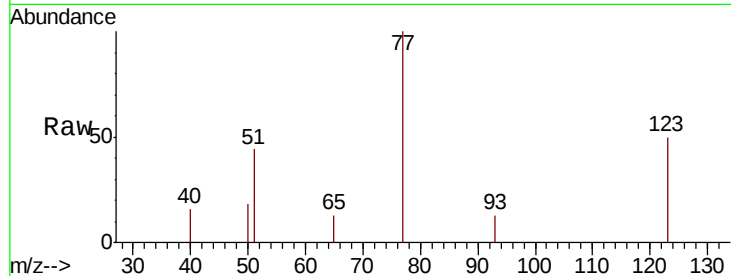




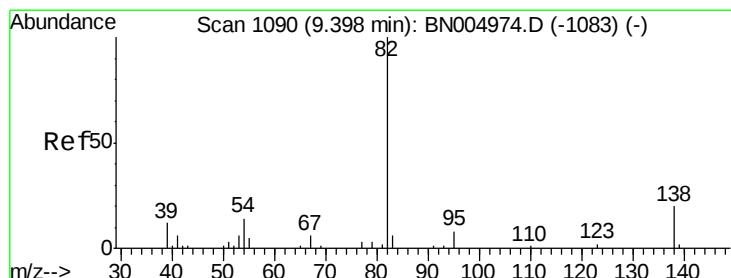
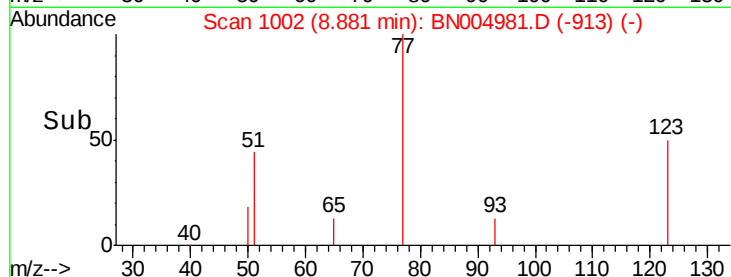
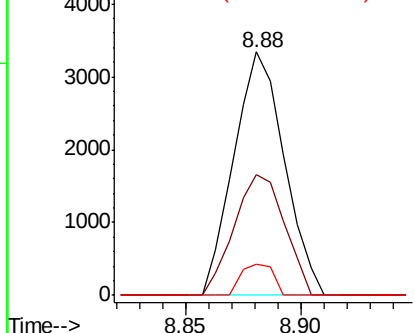
#24
Nitrobenzene
Concen: 8.156 ng
RT: 8.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tot Ion: 77 Resp: 5079
Ion Ratio Lower Upper
77 100
123 49.8 41.3 61.9
65 12.6 10.3 15.5

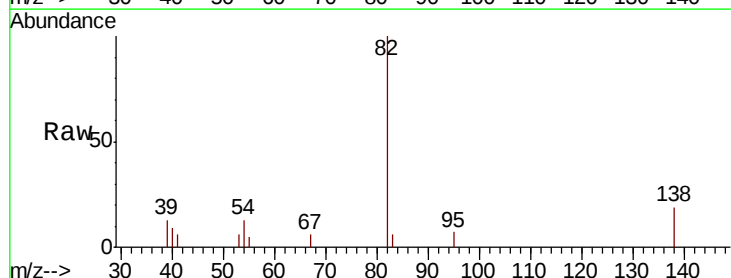


Abundance Ion 77.00 (76.70 to 77.70): BN0
Ion 123.00 (122.70 to 123.70): BN0
Ion 65.00 (64.70 to 65.70): BN0

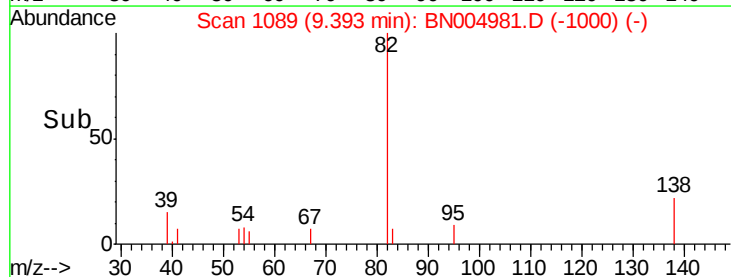
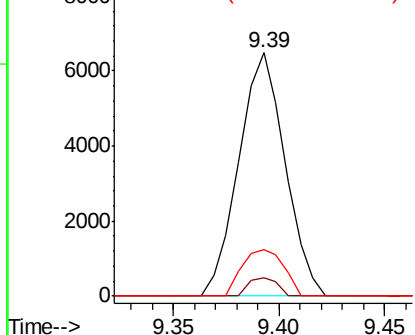


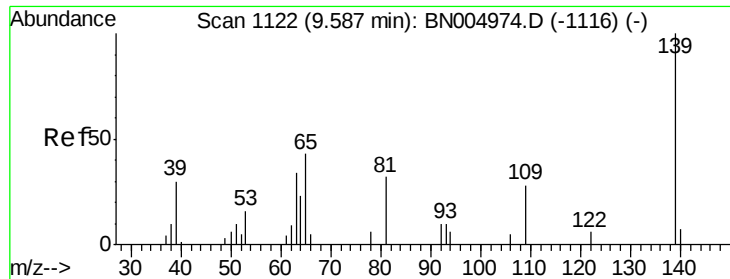
#25
Isophorone
Concen: 8.221 ng
RT: 9.39 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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



Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 95.00 (94.70 to 95.70): BN0
Ion 138.00 (137.70 to 138.70): BN0

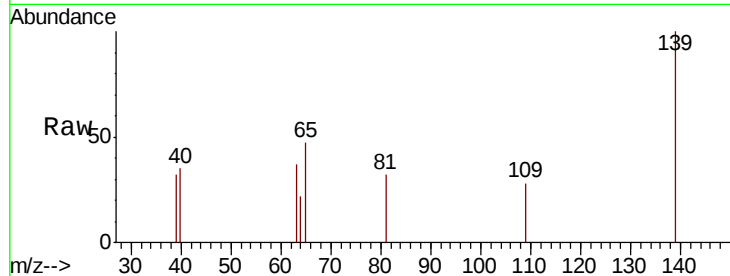




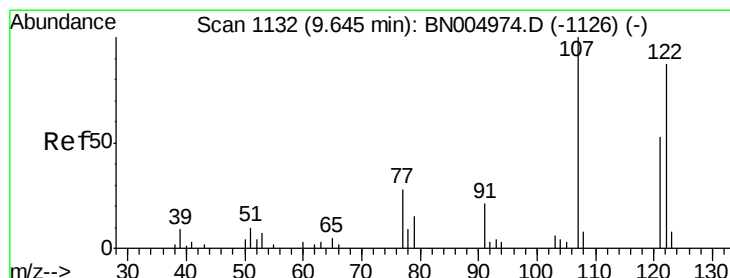
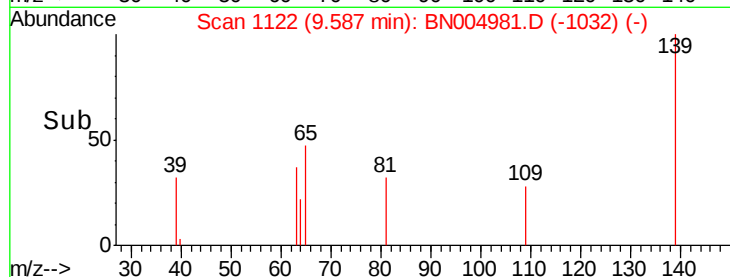
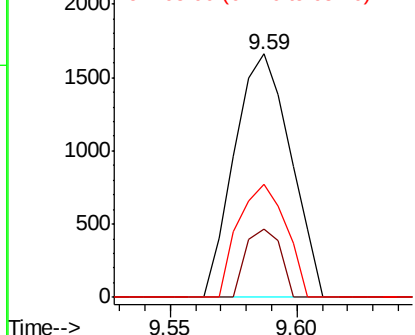
#26
2-Nitrophenol
Concen: 7.096 ng
RT: 9.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tot Ion:139 Resp: 2566
Ion Ratio Lower Upper
139 100
109 27.9 22.5 33.7
65 46.7 34.2 51.4

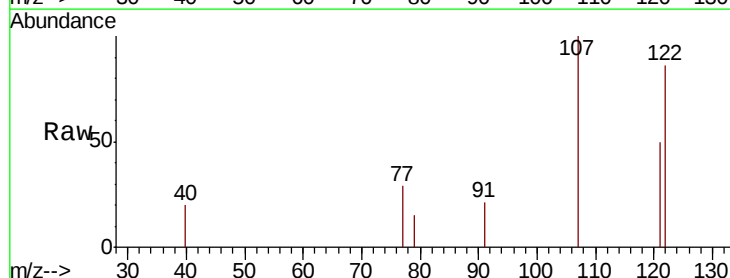


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

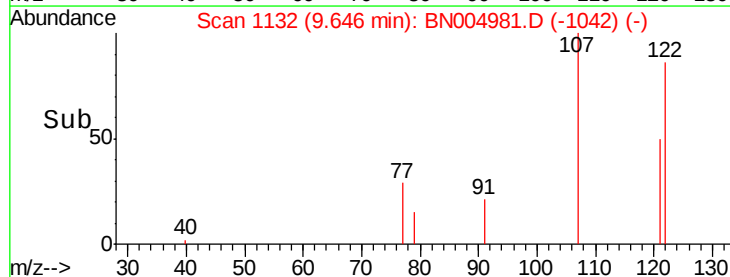
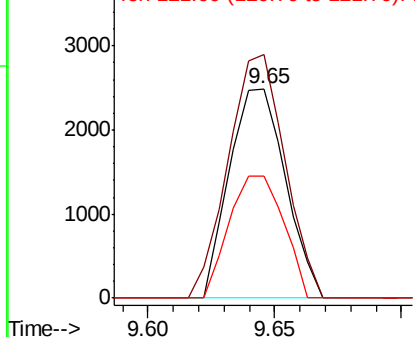


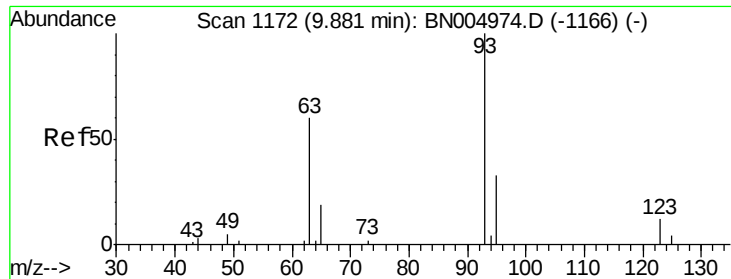
#27
2,4-Dimethylphenol
Concen: 7.628 ng
RT: 9.65 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

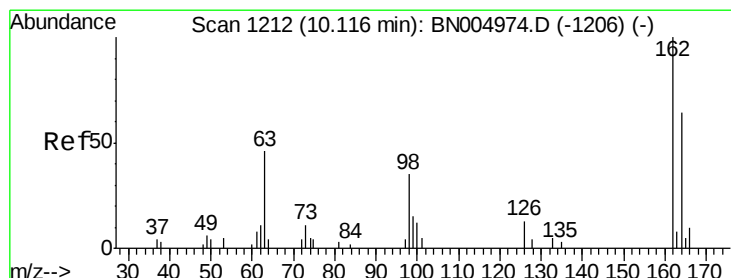
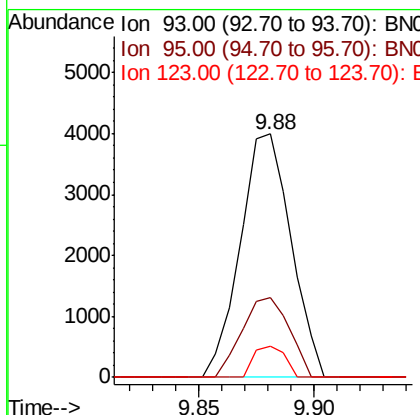
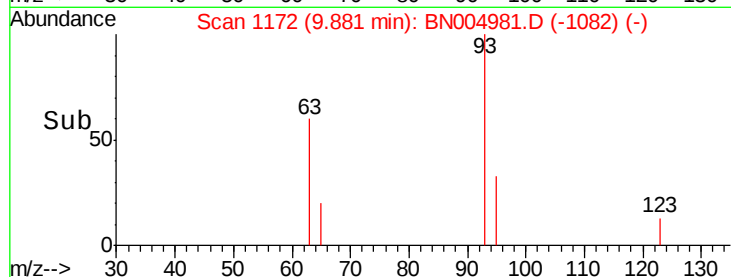
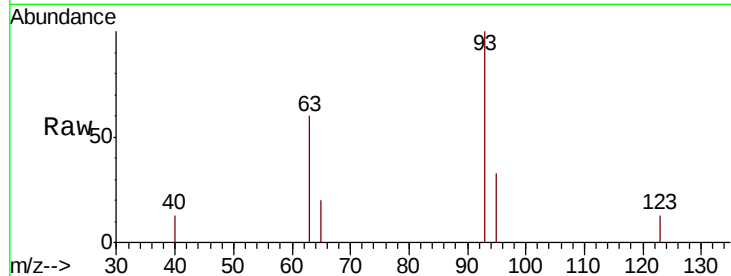




#28
bis(2-Chloroethoxy)methane
Concen: 8.221 ng
RT: 9.88 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

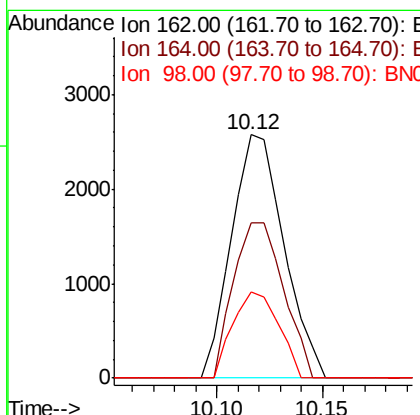
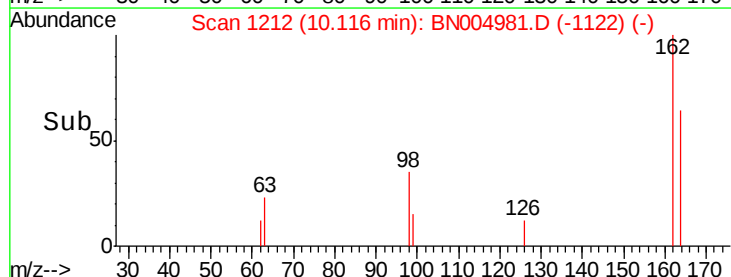
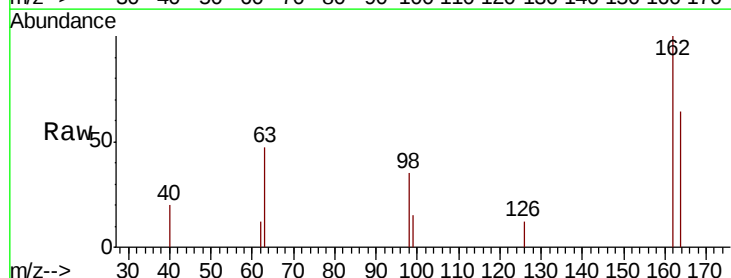
Instrument :
BNA_N
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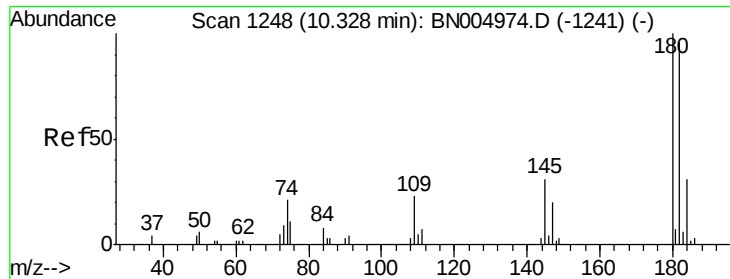
Tot Ion: 93 Resp: 6106
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.4
123 12.6 9.8 14.8



#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

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

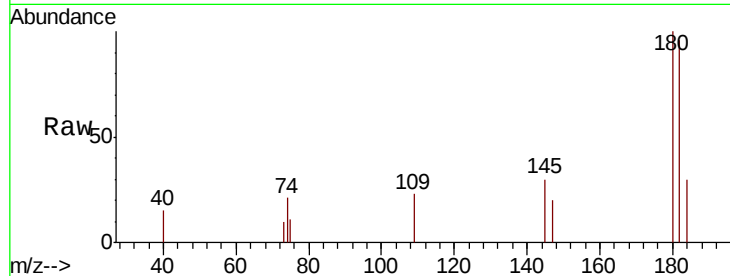




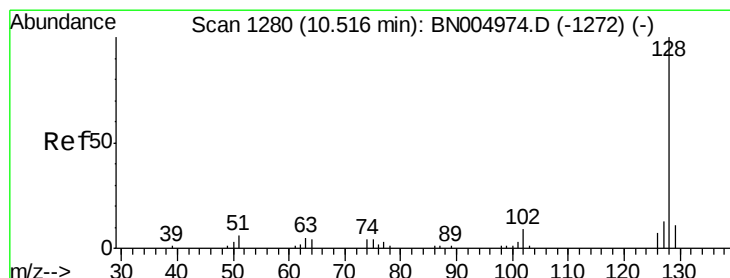
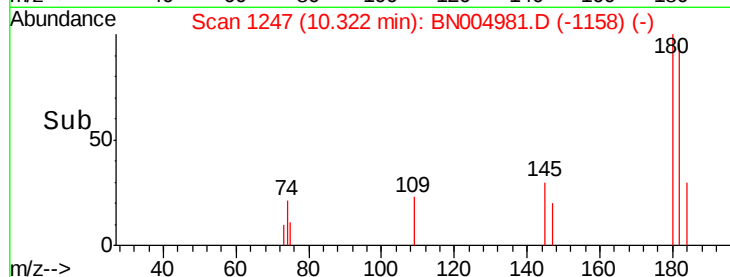
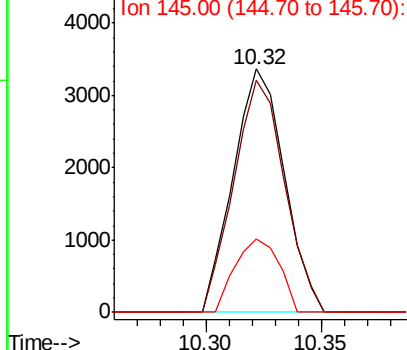
#30
 1,2,4-Trichlorobenzene
 Concen: 8.135 ng
 RT: 10.32 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:180 Resp: 5185
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 145 29.9 24.6 37.0

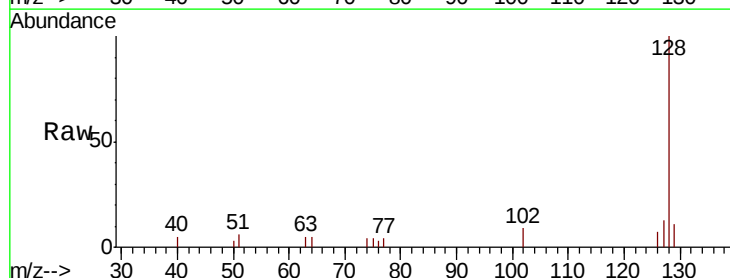


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

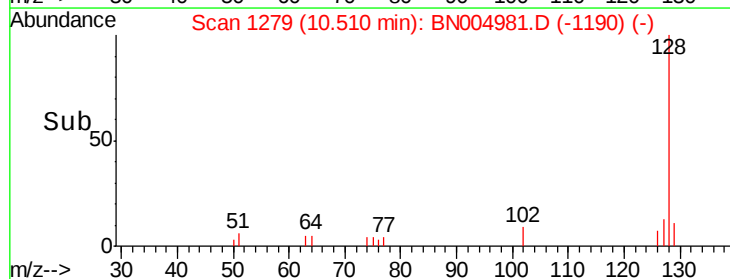
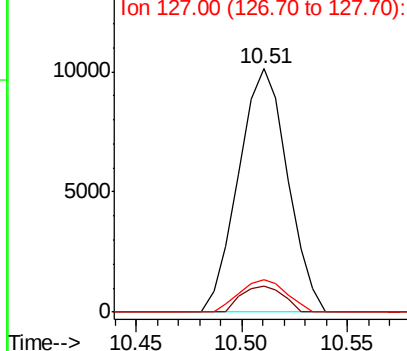


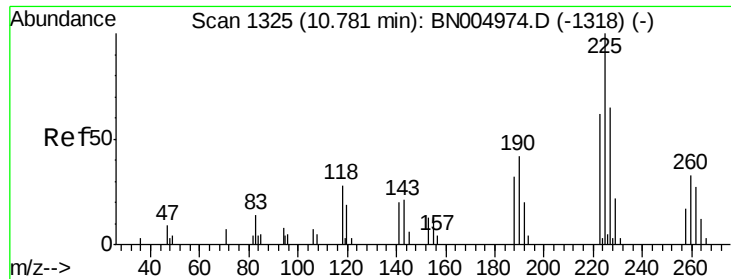
#31
 Naphthalene
 Concen: 8.413 ng
 RT: 10.51 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

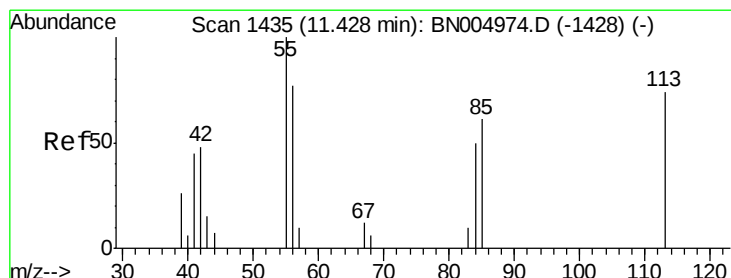
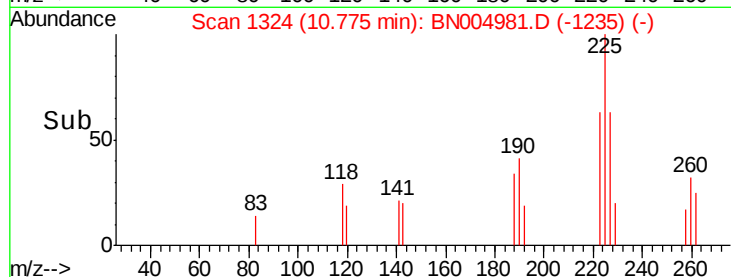
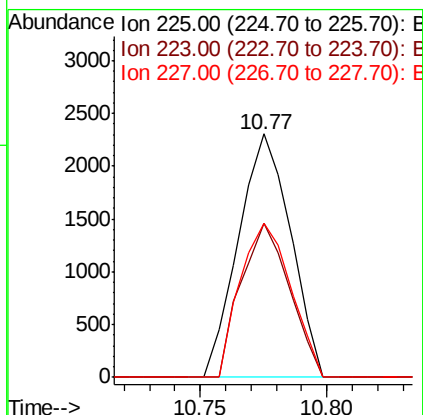
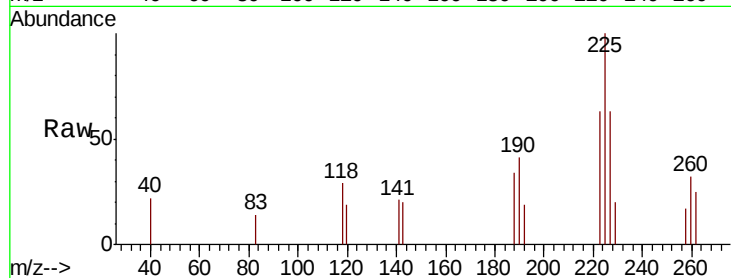




#34
Hexachlorobutadiene
Concen: 8.026 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

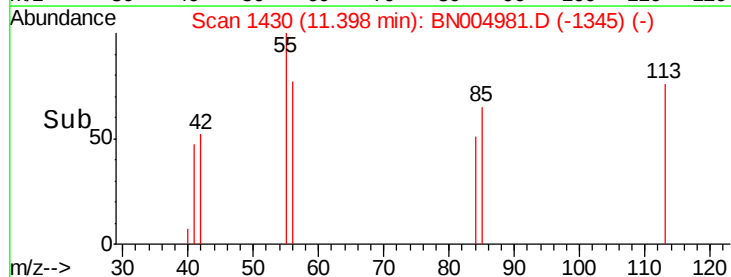
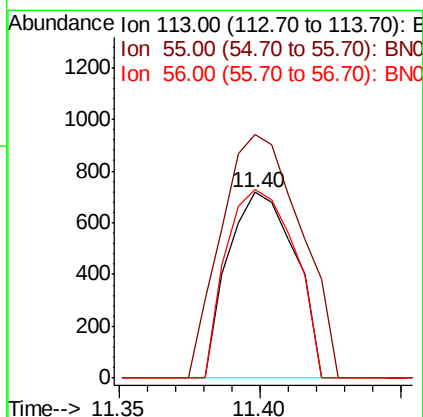
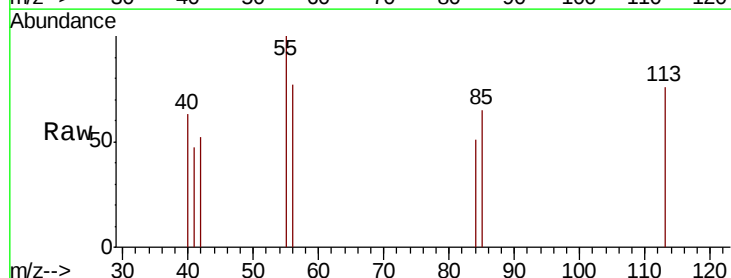
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

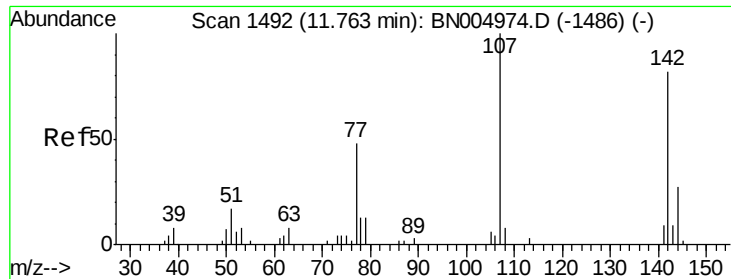
Tot Ion:225 Resp: 3310
Ion Ratio Lower Upper
225 100
223 63.2 49.7 74.5
227 63.0 52.0 78.0



#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

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

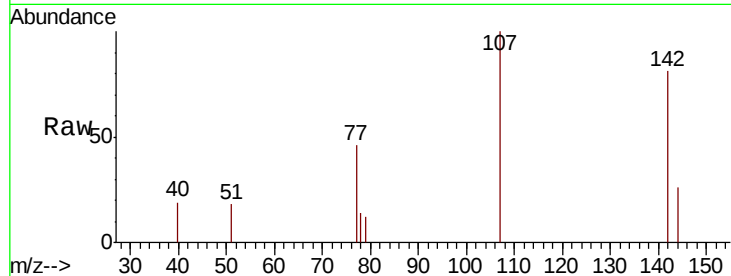




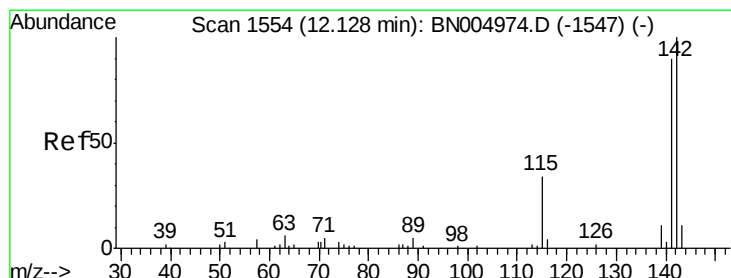
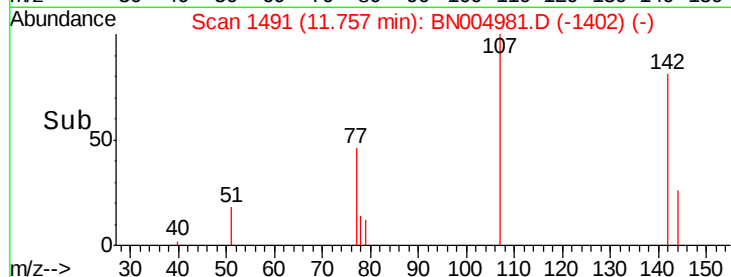
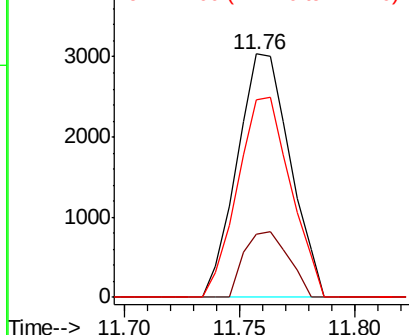
#36
 4-Chloro-3-methylphenol
 Concen: 7.787 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:107 Resp: 4867
 Ion Ratio Lower Upper
 107 100
 144 25.9 21.3 31.9
 142 80.9 65.8 98.8

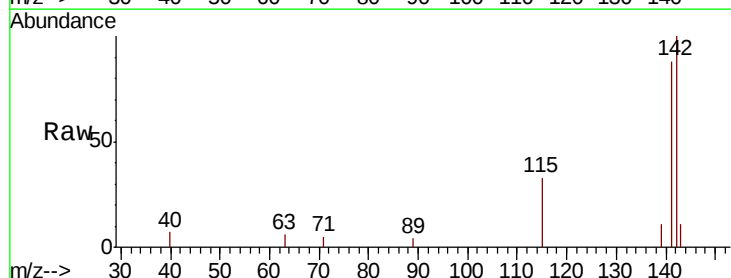


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

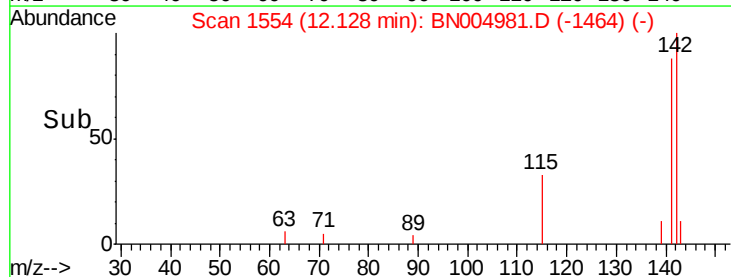
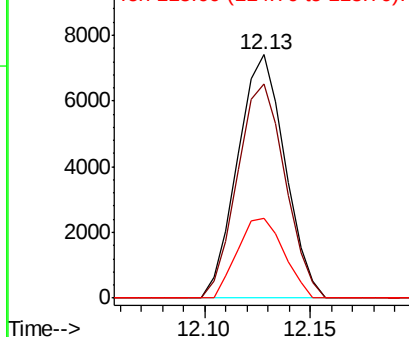


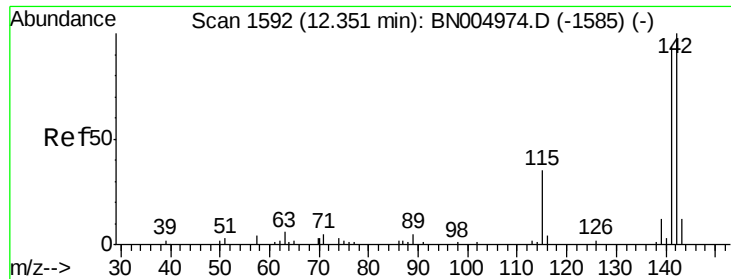
#37
 2-Methylnaphthalene
 Concen: 8.414 ng
 RT: 12.13 min Scan# 1554
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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



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

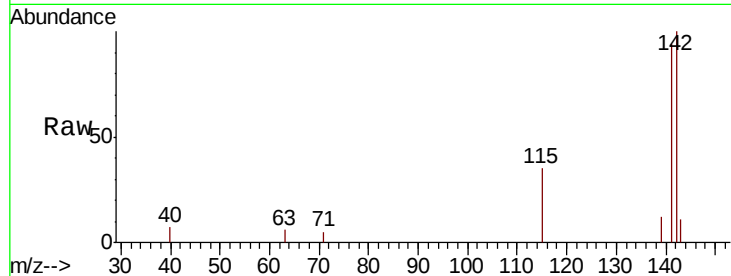




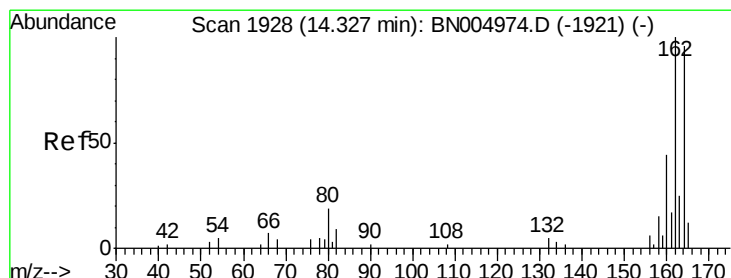
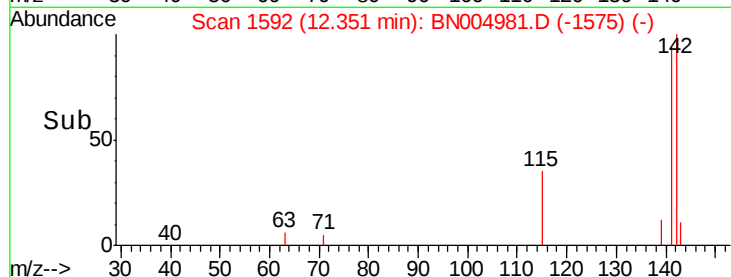
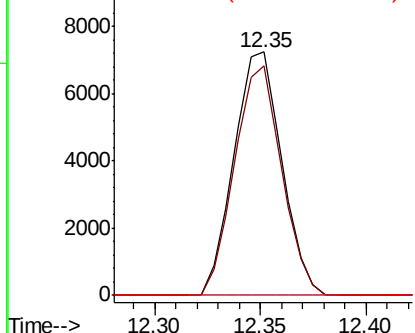
#38
1-Methylnaphthalene
Concen: 8.475 ng
RT: 12.35 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

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

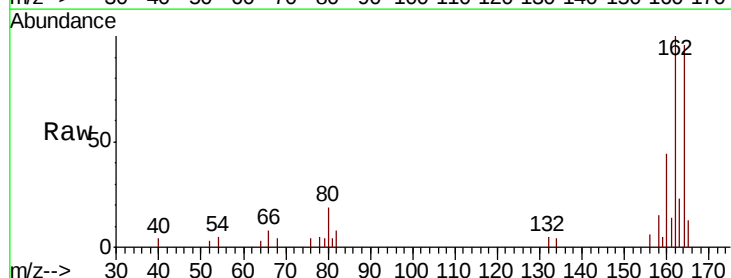


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

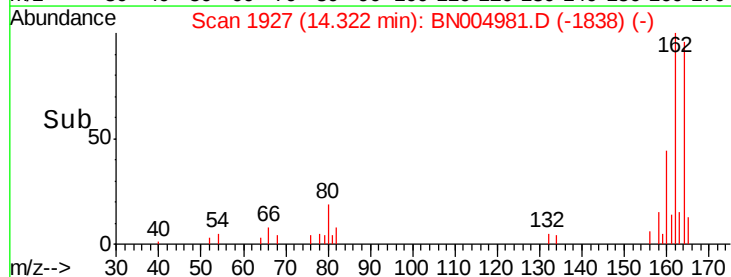
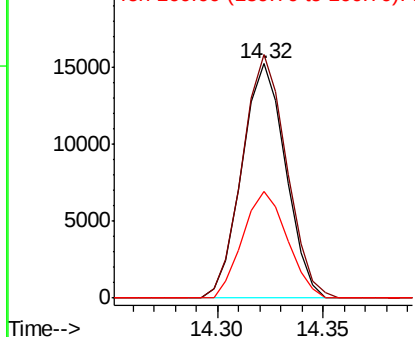


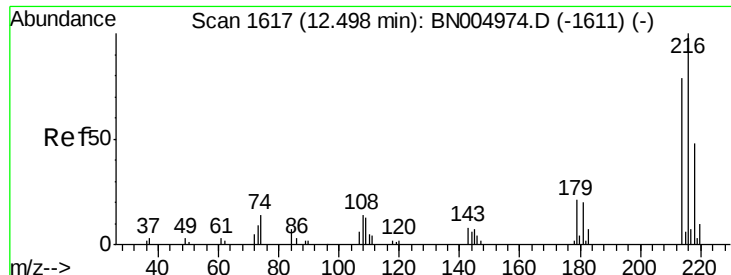
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

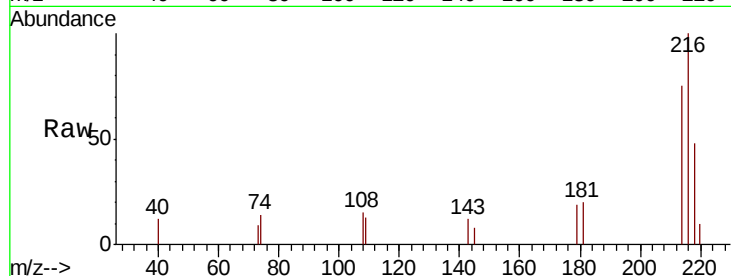




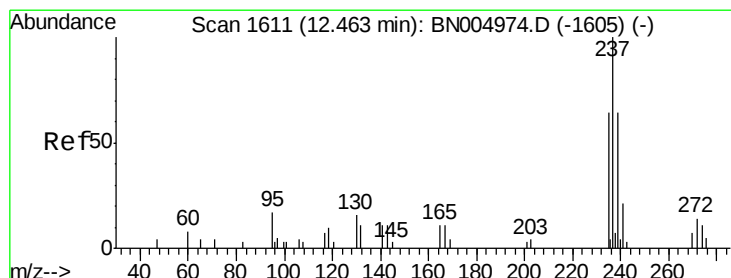
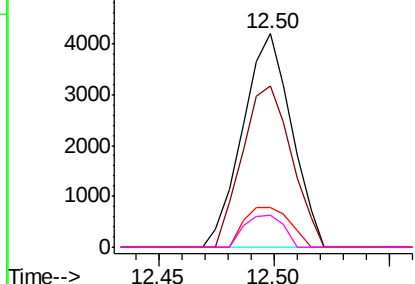
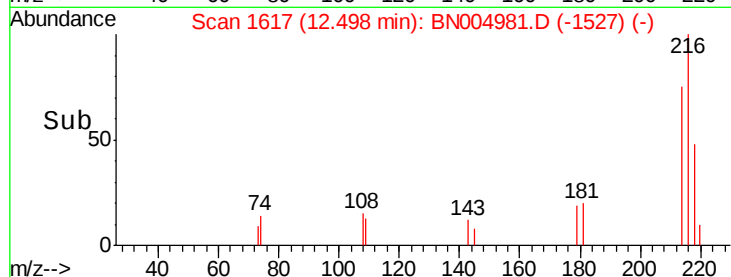
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.934 ng
 RT: 12.50 min Scan# 1617
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot 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#

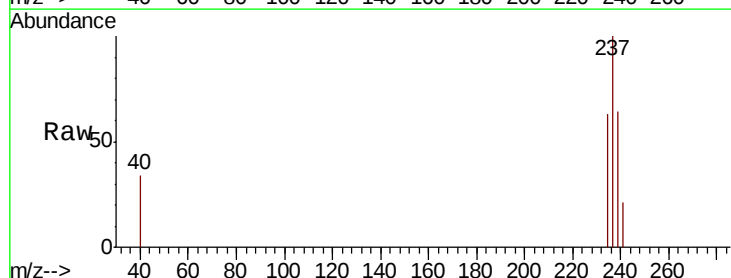


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

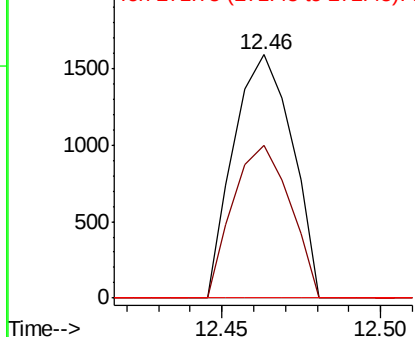
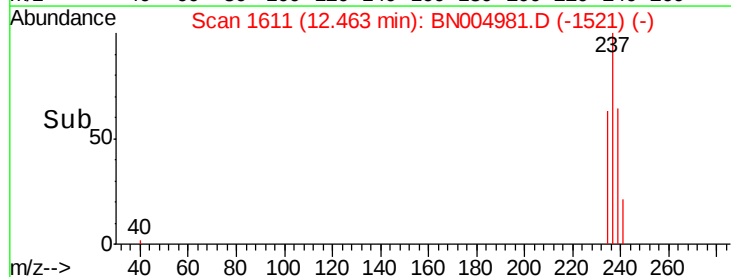


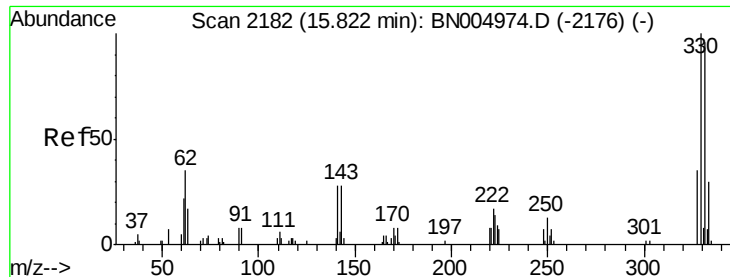
#41
 Hexachlorocyclopentadiene
 Concen: 8.862 ng
 RT: 12.46 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

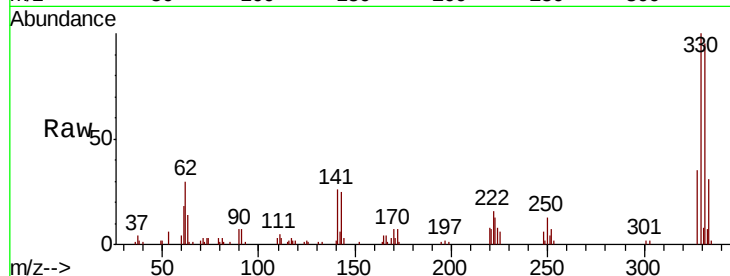




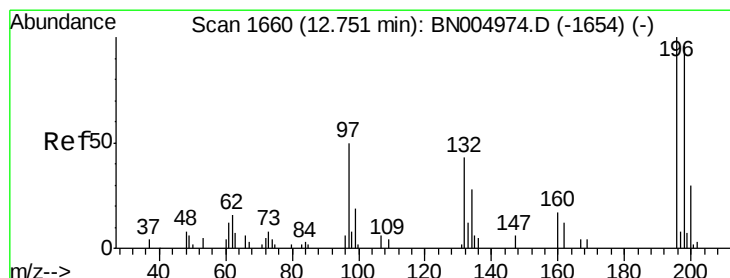
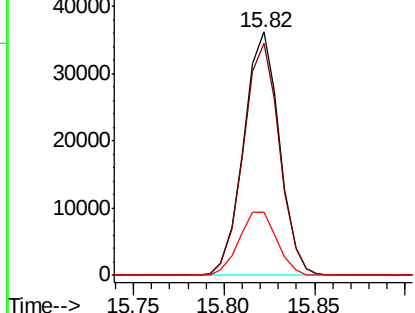
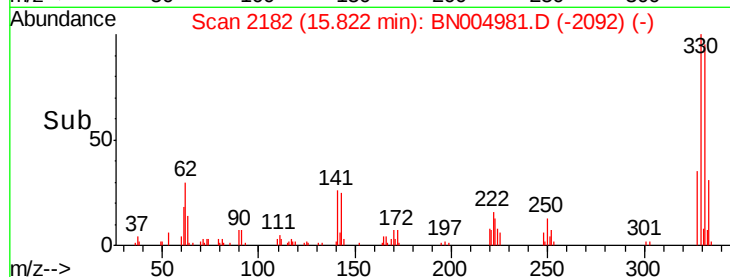
#42
 2,4,6-Tribromophenol
 Concen: 140.566 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:330 Resp: 49769
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.0
 141 27.5 22.1 33.1

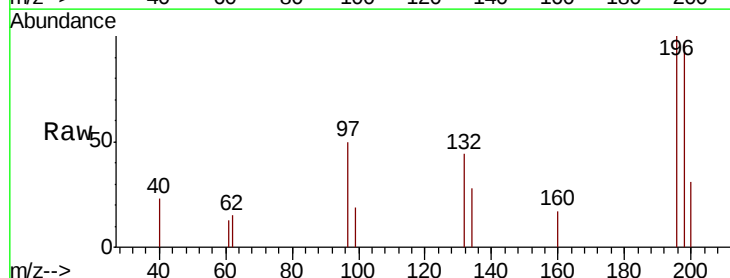


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

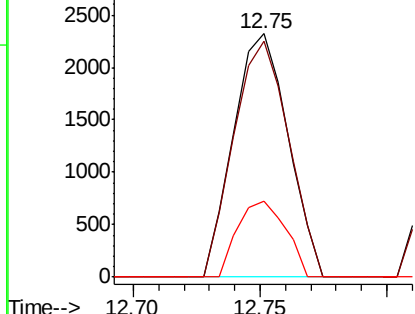
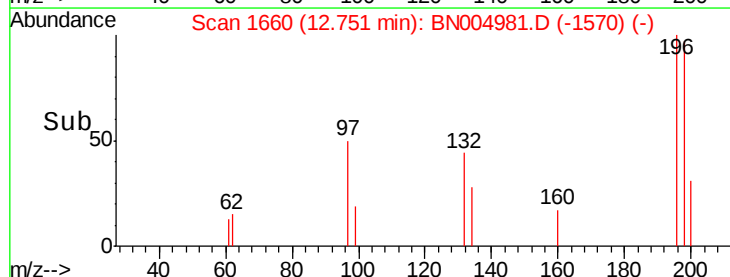


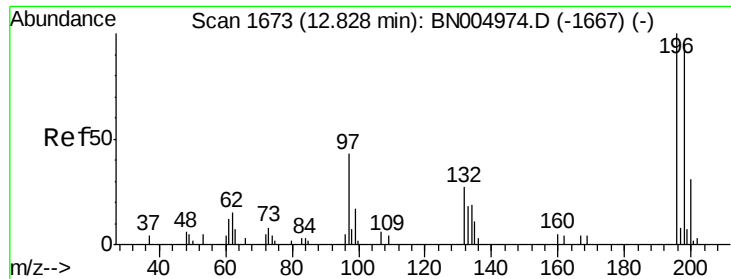
#43
 2,4,6-Trichlorophenol
 Concen: 7.219 ng
 RT: 12.75 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

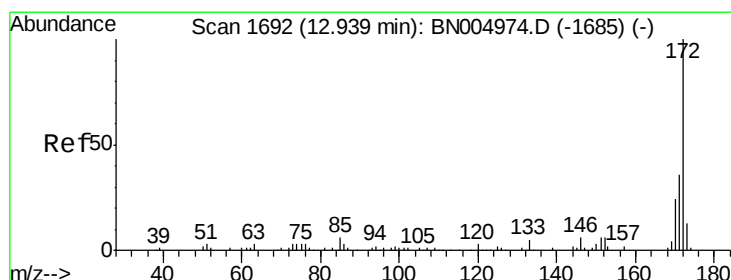
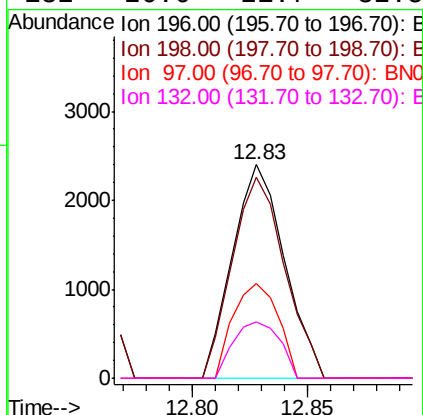
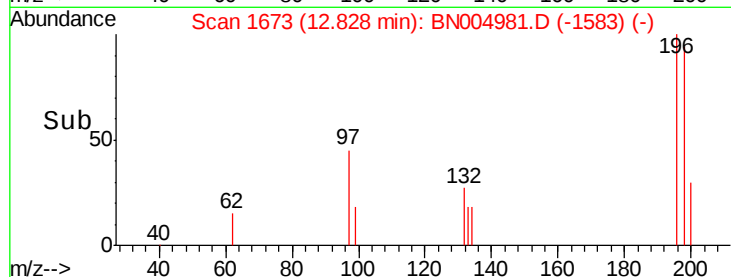
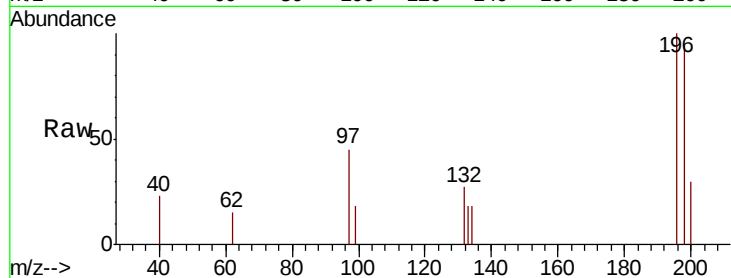




#44
 2,4,5-Trichlorophenol
 Concen: 7.159 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

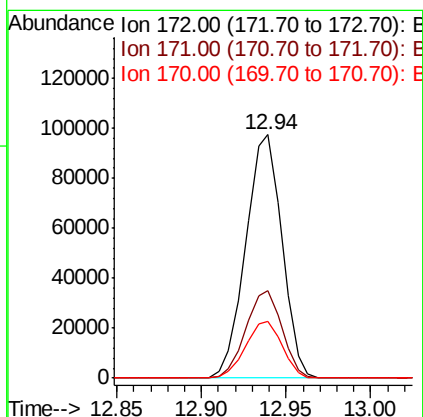
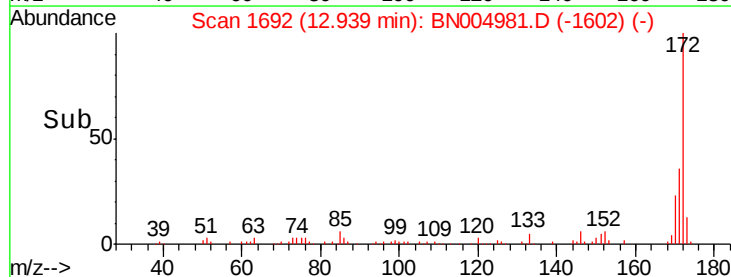
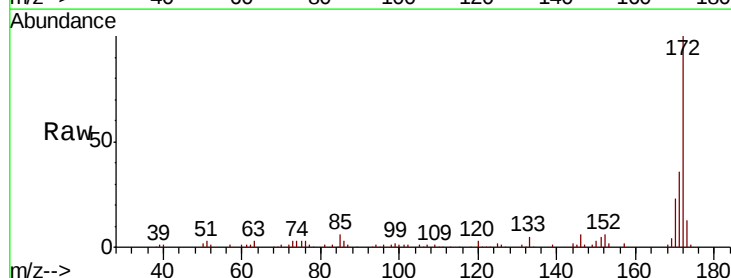
Instrument :
 BNA_N
 ClientSampleId :
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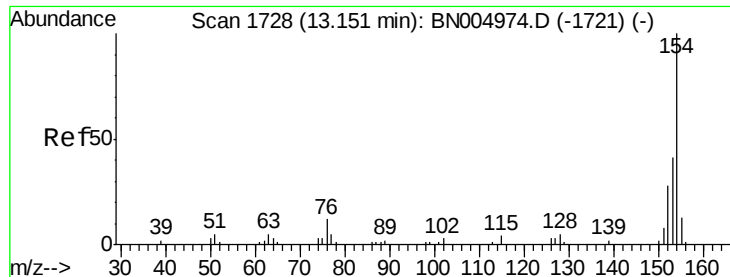
Tot Ion:196 Resp: 3768
 Ion Ratio Lower Upper
 196 100
 198 93.8 76.1 114.1
 97 44.5 34.8 52.2
 132 26.6 21.7 32.5



#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

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

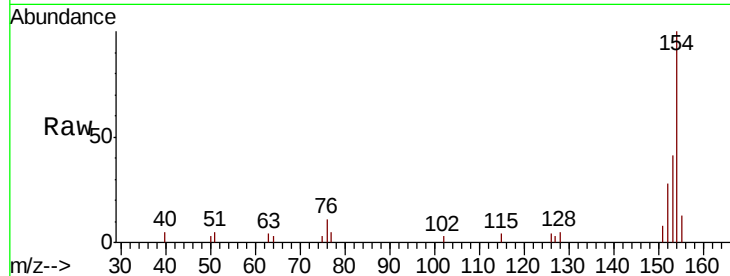




#46
 1,1'-Biphenyl
 Concen: 8.397 ng
 RT: 13.15 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	11.4	0.0	32.2

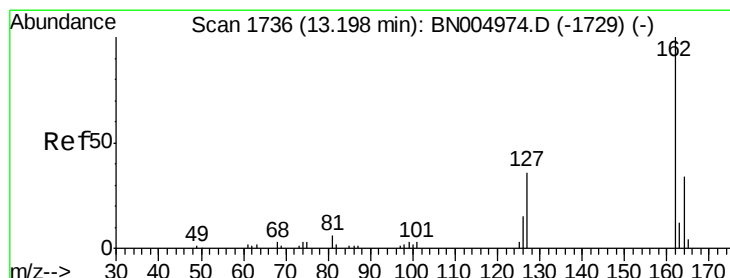
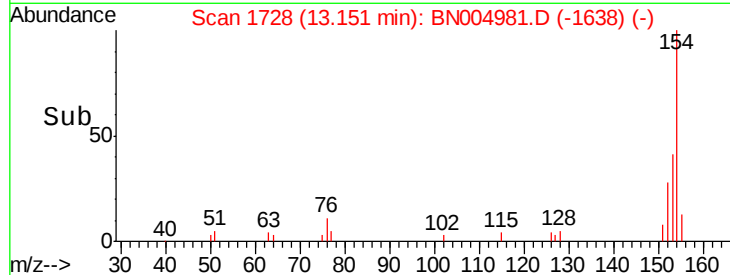
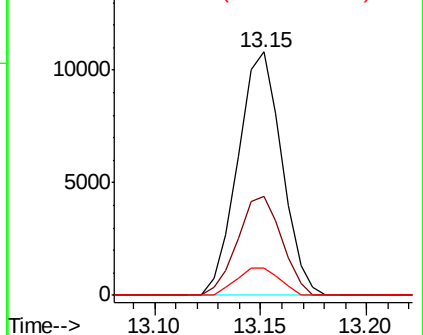


Abundance

Ion 154.00 (153.70 to 154.70): E

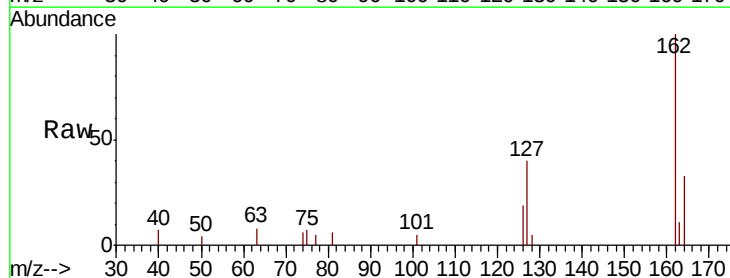
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#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

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

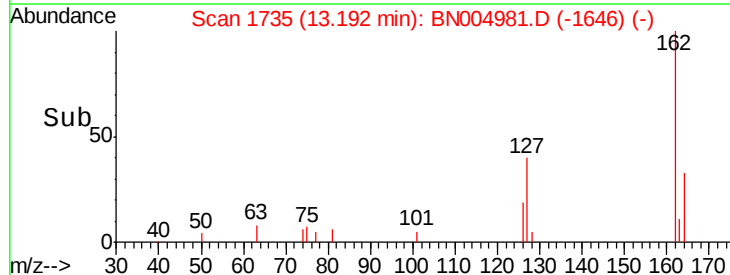
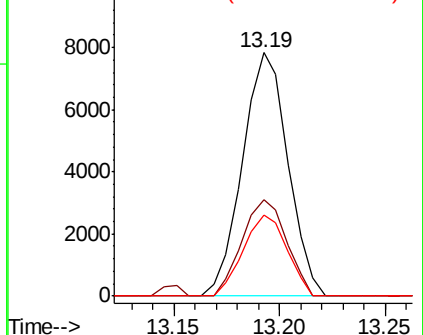


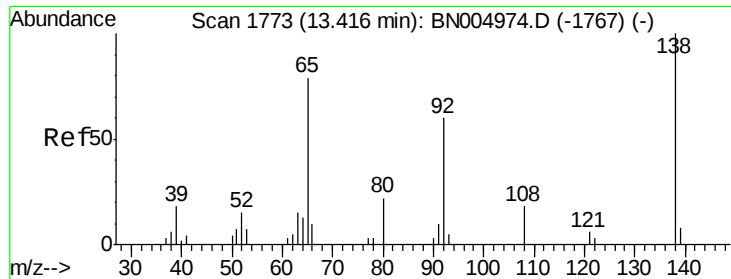
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

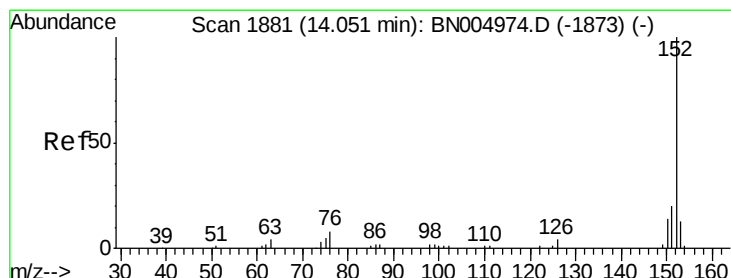
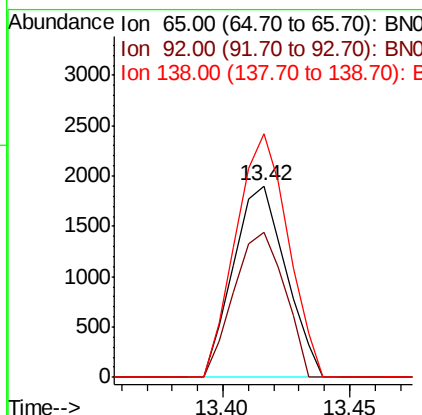
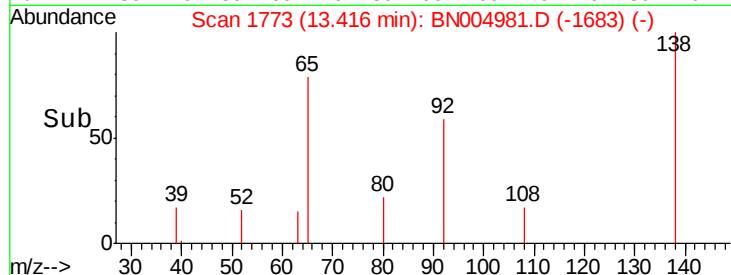
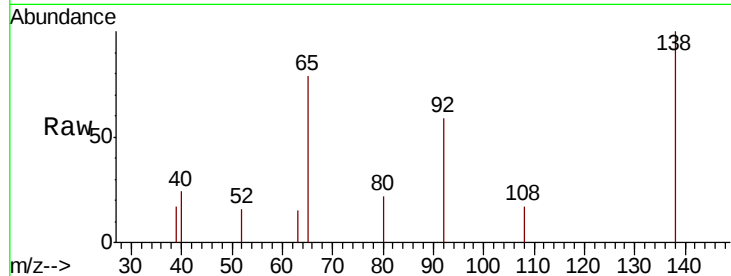




#48
 2-Nitroaniline
 Concen: 7.201 ng
 RT: 13.42 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

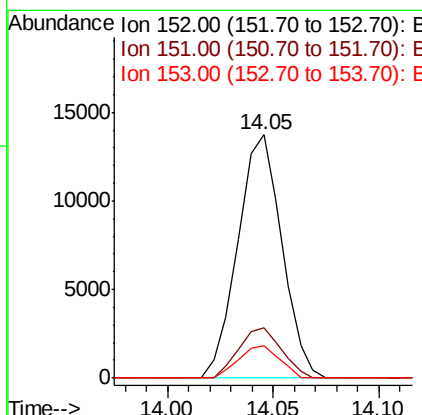
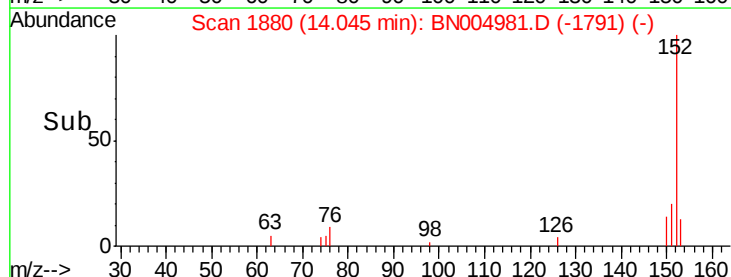
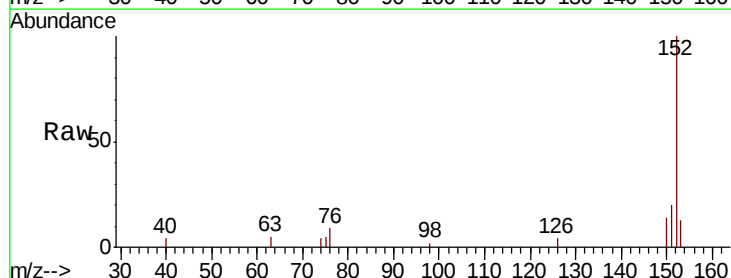
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

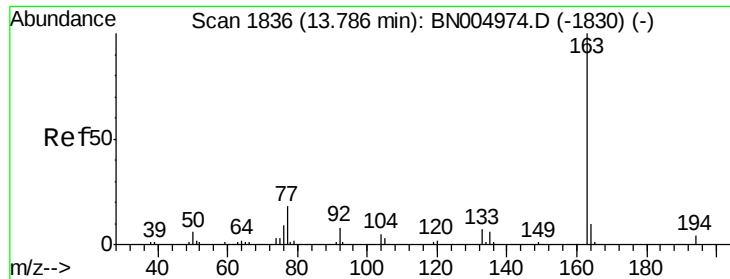
Tot Ion: 65 Resp: 2733
 Ion Ratio Lower Upper
 65 100
 92 75.4 60.2 90.4
 138 127.0 101.1 151.7



#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

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





#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

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

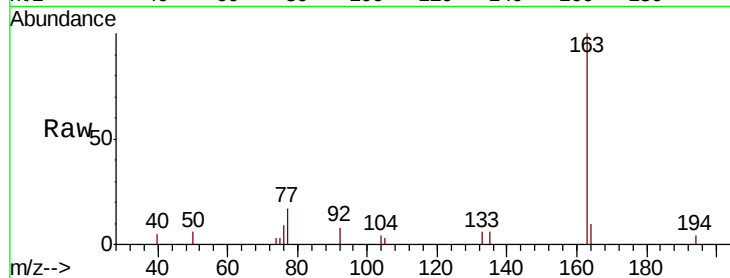
Tot Ion:163 Resp: 15311

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.9 8.3 12.5

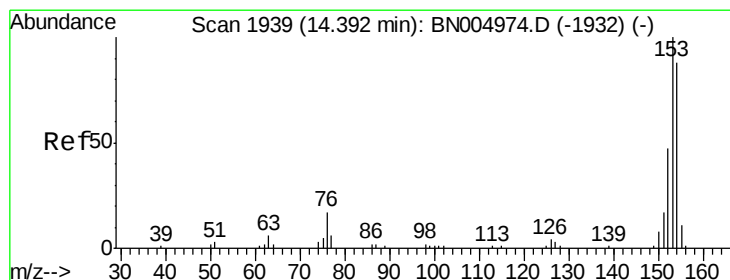
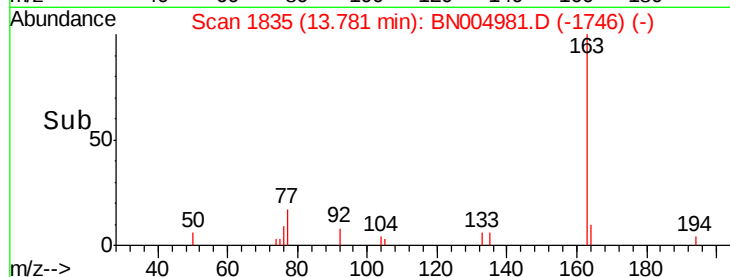
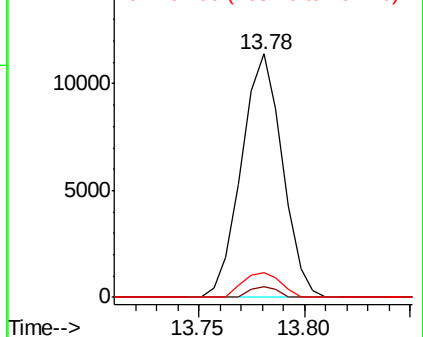


Abundance

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



#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

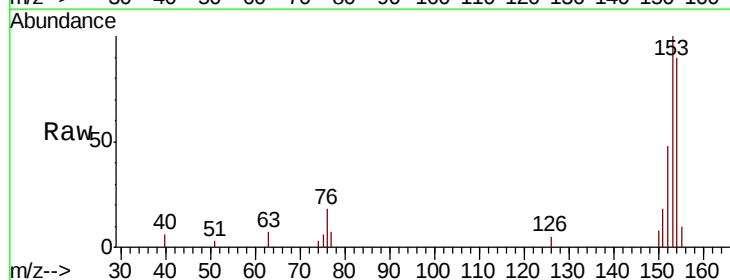
Tgt Ion:154 Resp: 11394

Ion Ratio Lower Upper

154 100

153 111.6 91.0 136.4

152 53.4 43.0 64.4

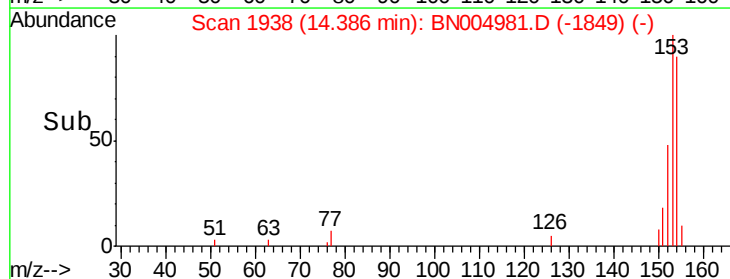
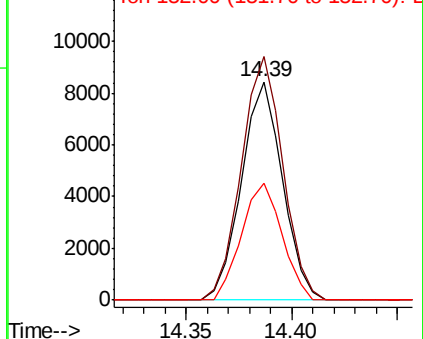


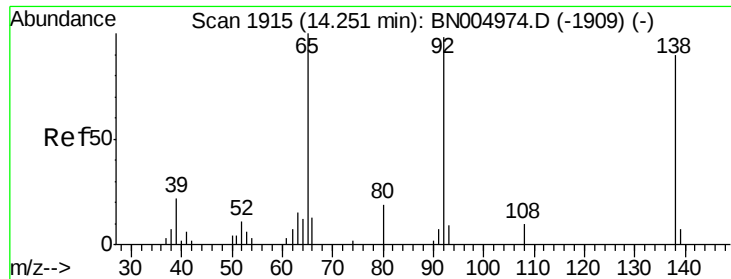
Abundance

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

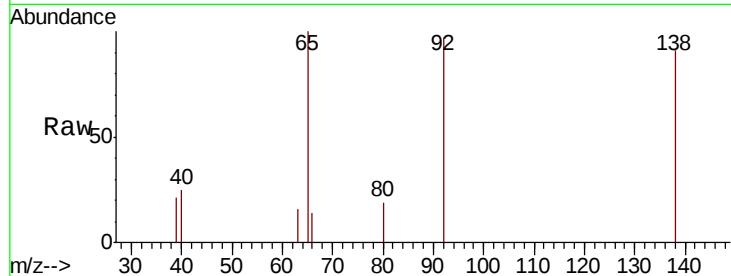




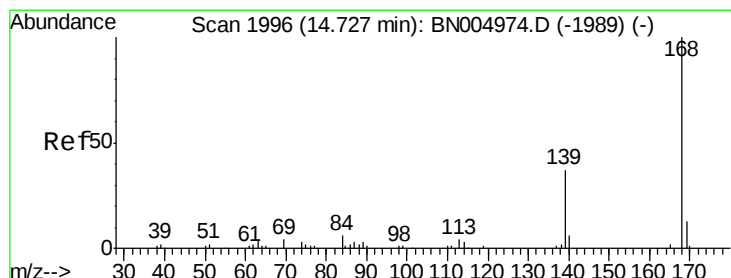
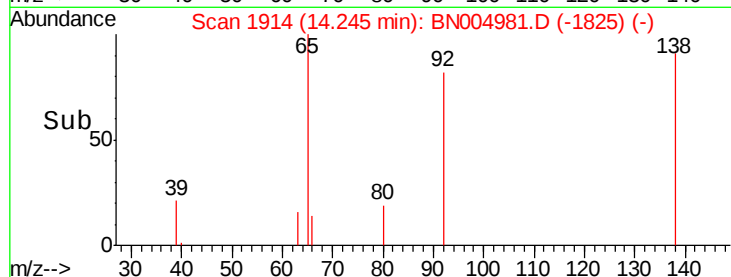
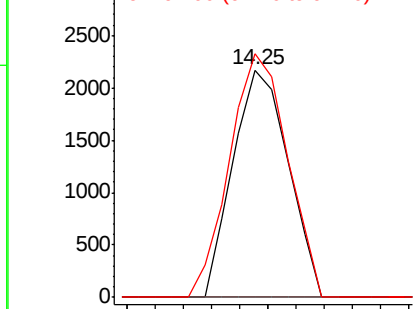
#53
3-Nitroaniline
Concen: 7.042 ng
RT: 14.25 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

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

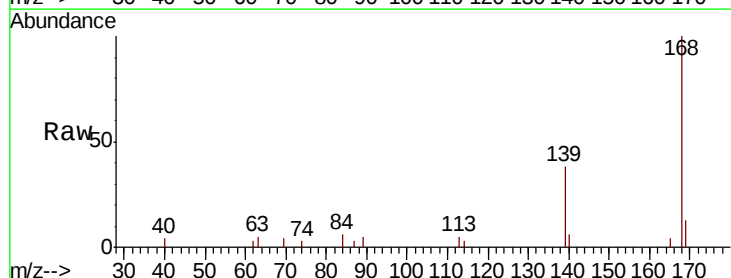


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNC

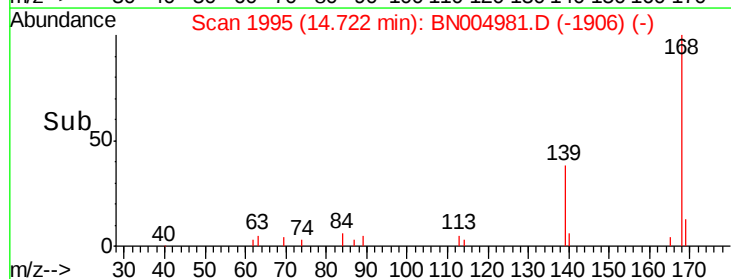
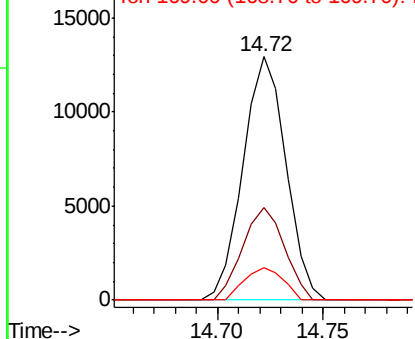


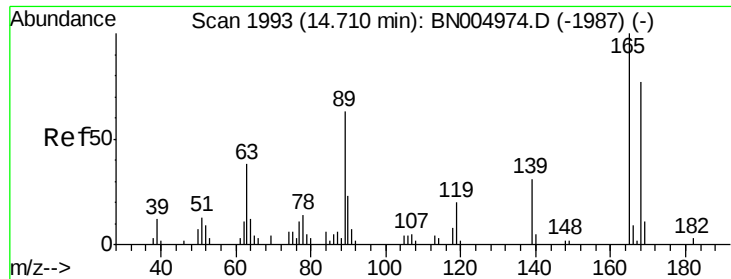
#55
Dibenzofuran
Concen: 8.505 ng
RT: 14.72 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

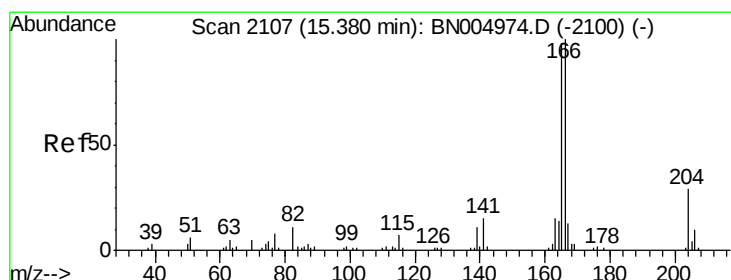
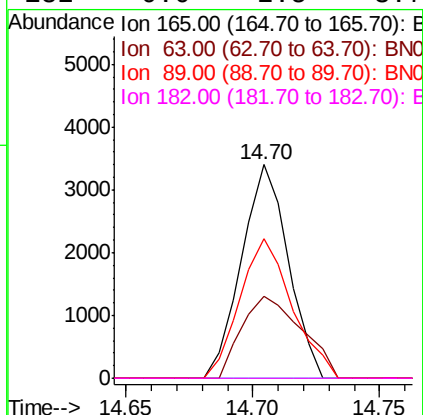
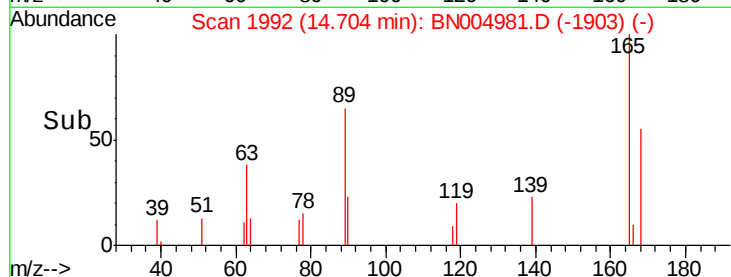
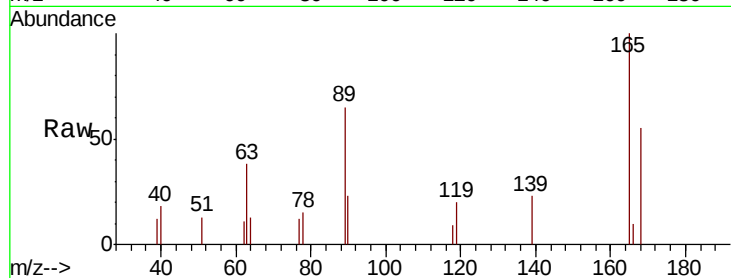




#57
2,4-Dinitrotoluene
Concen: 7.796 ng
RT: 14.70 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

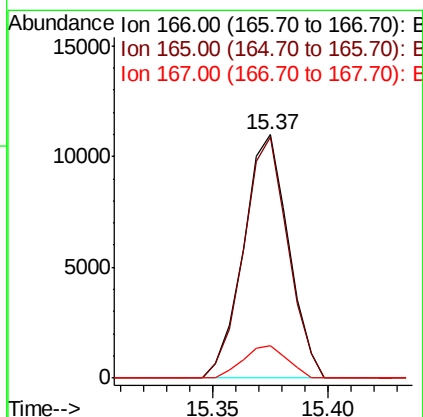
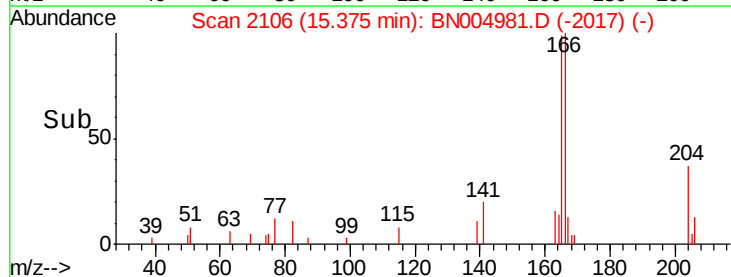
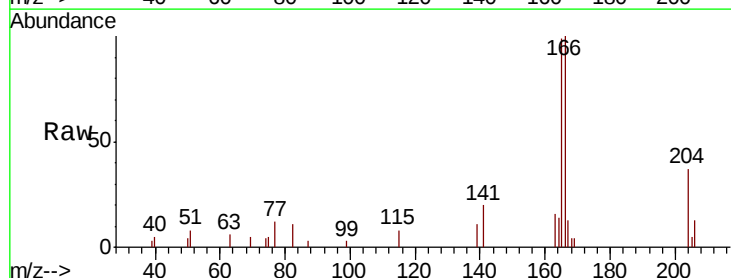
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

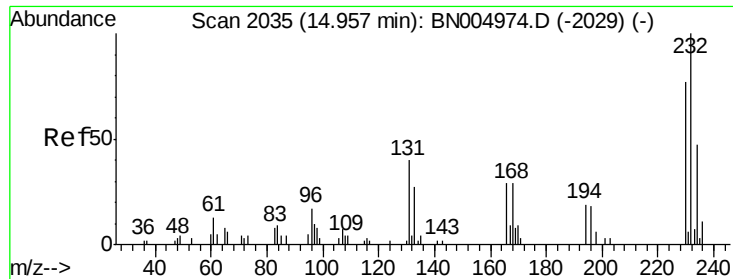
Tot Ion:165 Resp: 4348
Ion Ratio Lower Upper
165 100
63 38.4 30.4 45.6
89 65.4 50.7 76.1
182 0.0 2.5 3.7#



#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

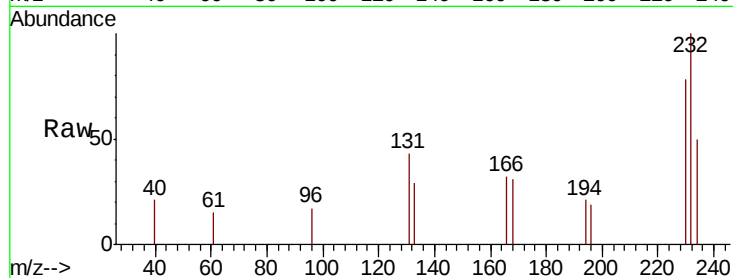




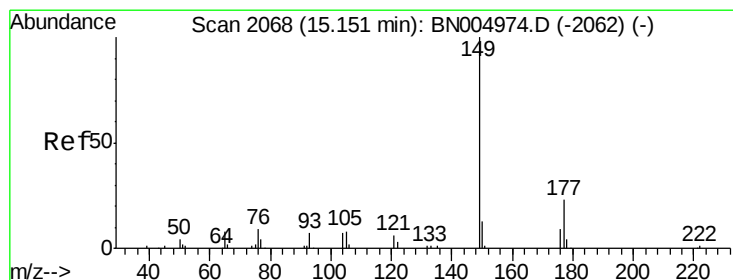
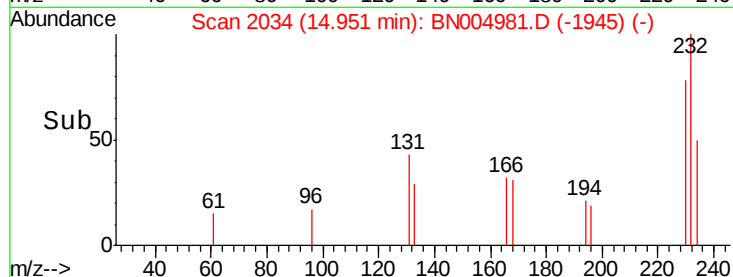
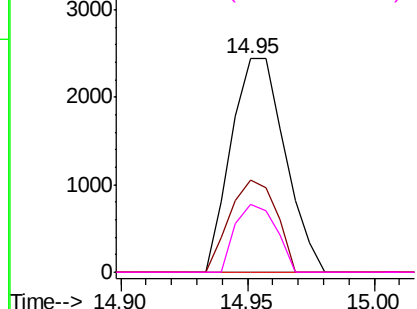
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.426 ng
RT: 14.95 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tot 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

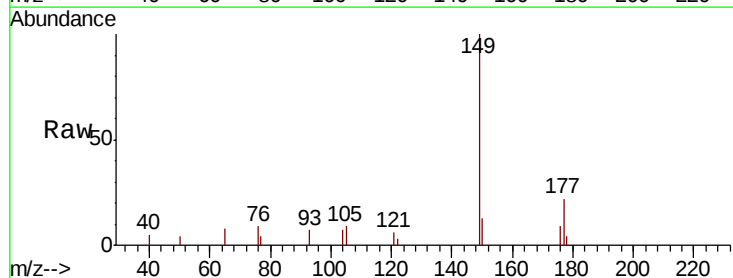


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

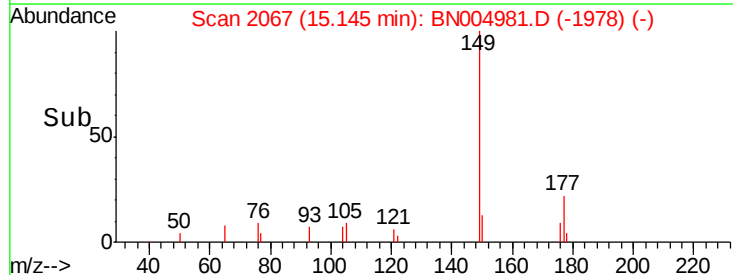
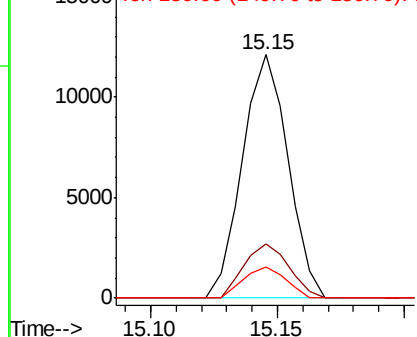


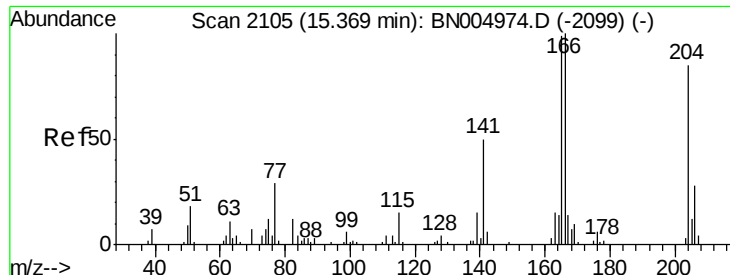
#60
Diethylphthalate
Concen: 8.445 ng
RT: 15.15 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

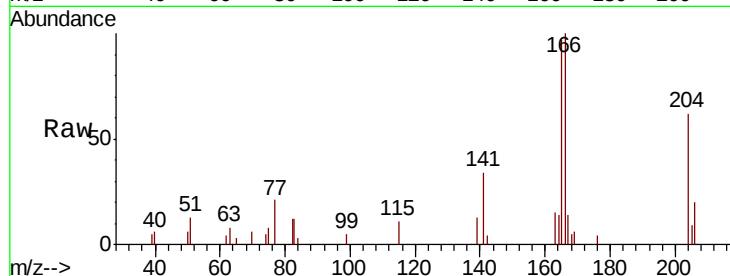




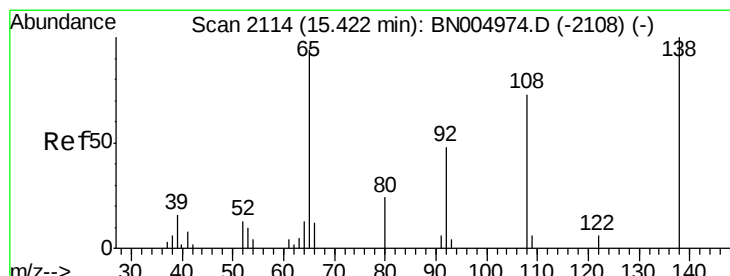
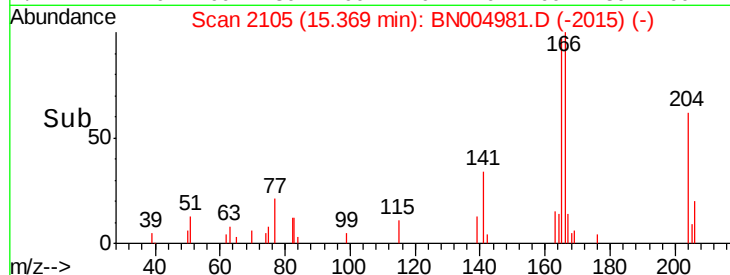
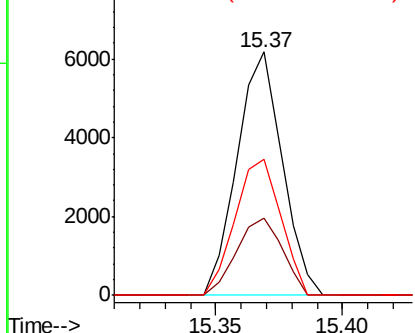
#61
 4-Chlorophenyl-phenylether
 Concen: 8.590 ng
 RT: 15.37 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

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

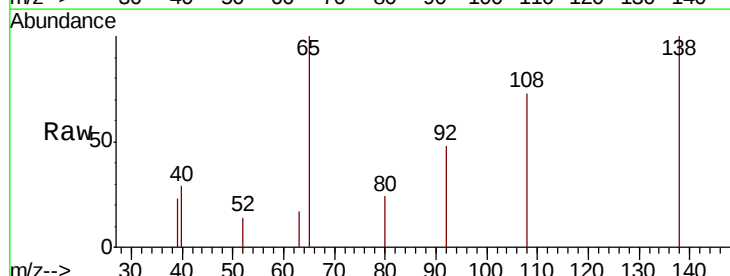


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

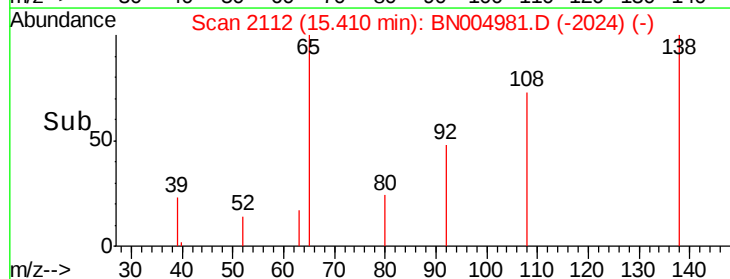
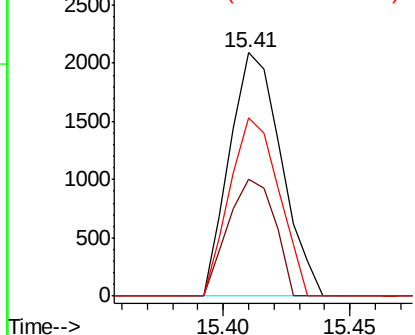


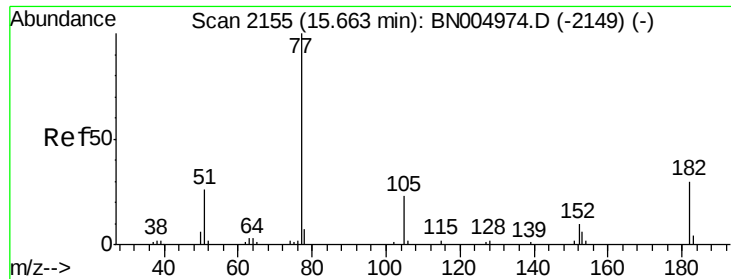
#62
 4-Nitroaniline
 Concen: 7.073 ng
 RT: 15.41 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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): BNC
 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

Tot Ion: 77 Resp: 12606

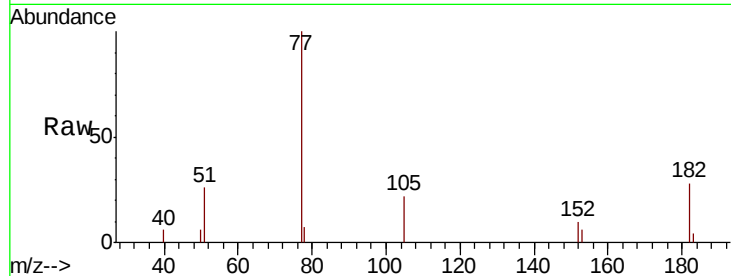
Ion Ratio Lower Upper

77 100

182 27.6 10.0 50.0

105 21.8 2.9 42.9

51 26.3 6.0 46.0

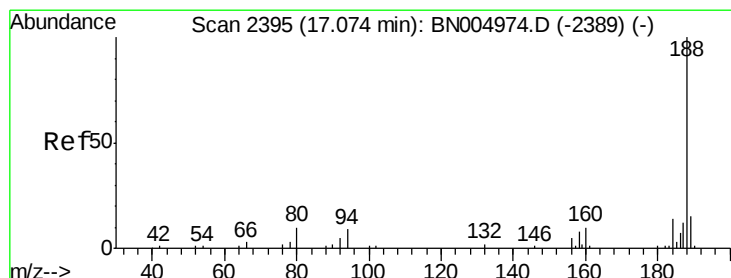
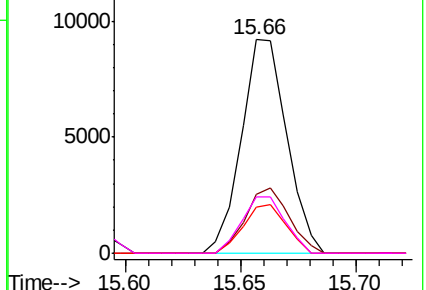
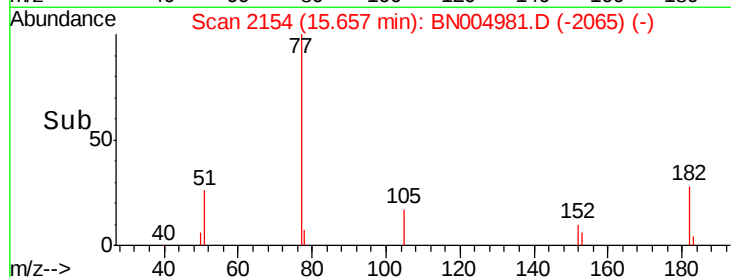


Abundance Ion 77.00 (76.70 to 77.70): BNC

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

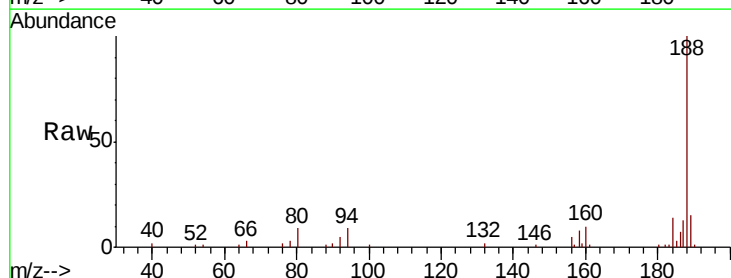
Tgt Ion: 188 Resp: 50198

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

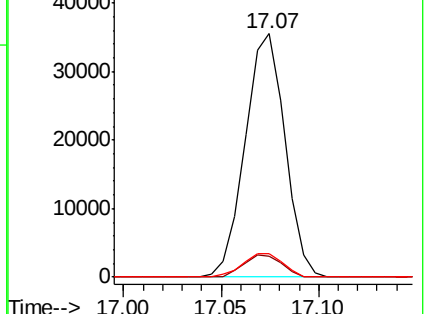
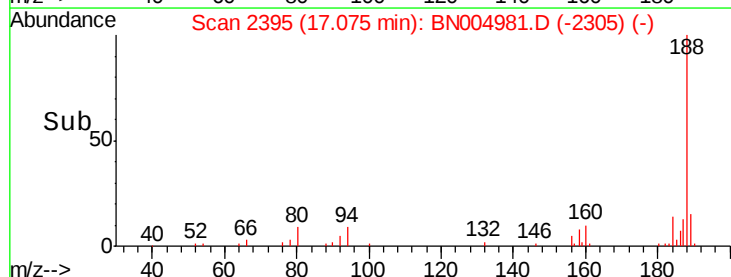
80 9.4 7.8 11.6

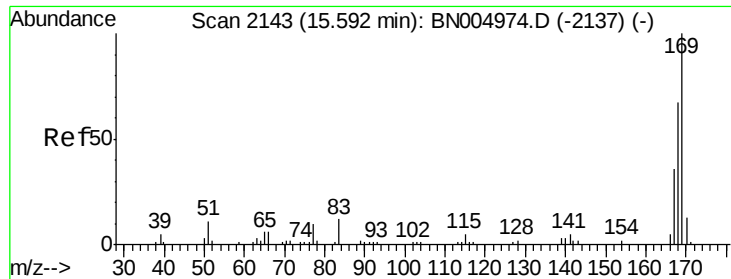


Abundance Ion 188.00 (187.70 to 188.70): BNC

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

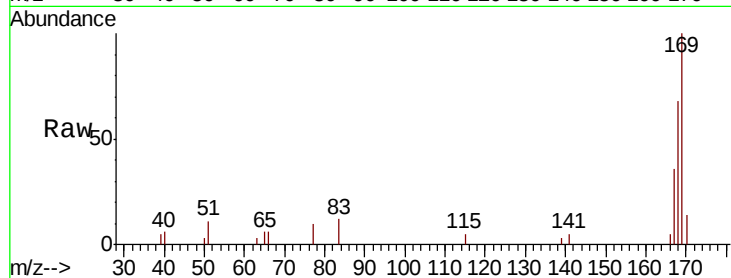




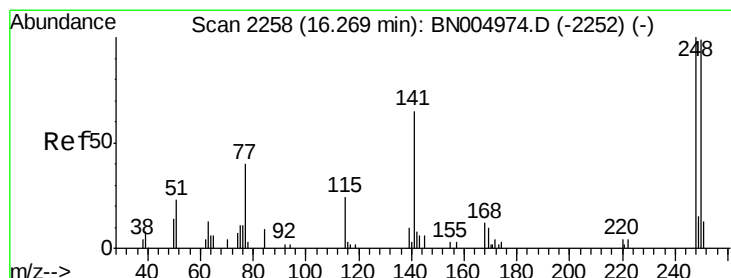
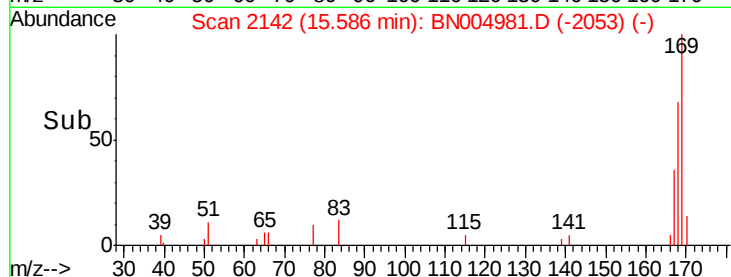
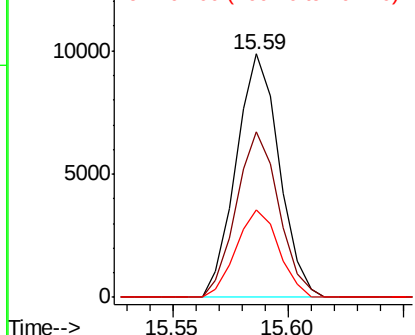
#66
 n-Nitrosodiphenylamine
 Concen: 8.118 ng
 RT: 15.59 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:169 Resp: 12836
 Ion Ratio Lower Upper
 169 100
 168 68.1 53.4 80.2
 167 35.9 28.9 43.3

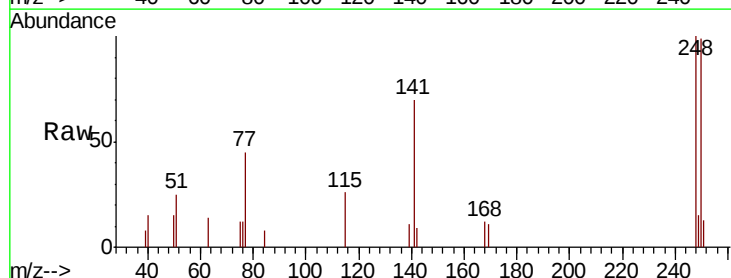


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

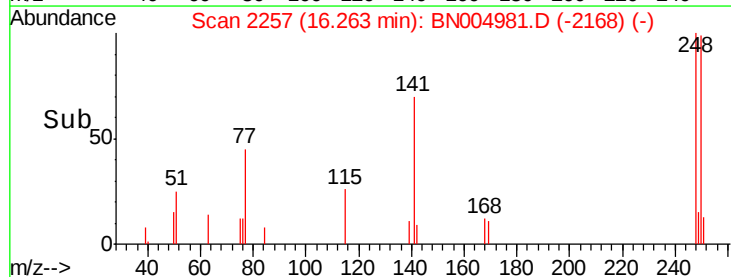
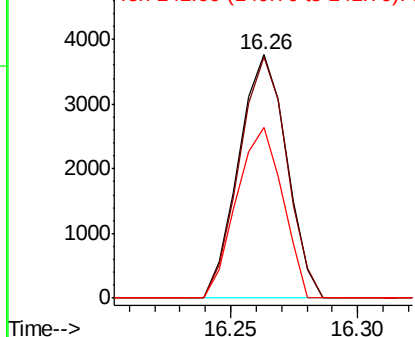


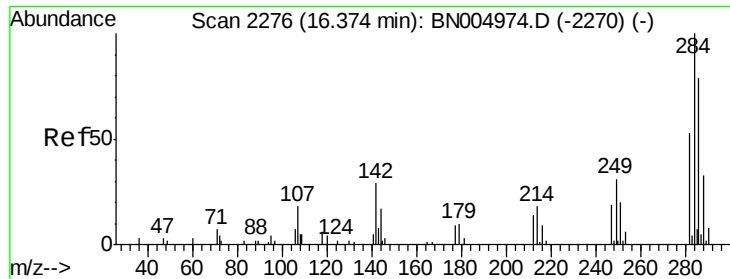
#67
 4-Bromophenyl-phenylether
 Concen: 7.939 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

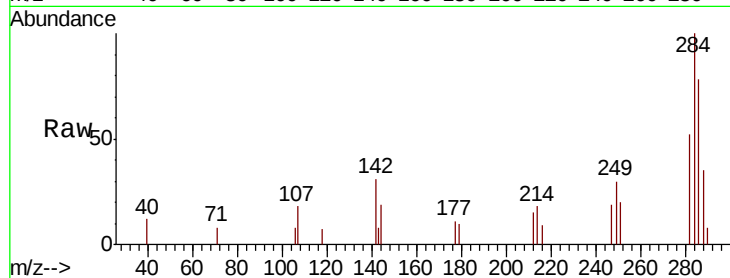
Tot Ion:284 Resp: 5899

Ion Ratio Lower Upper

284 100

142 31.0 23.5 35.3

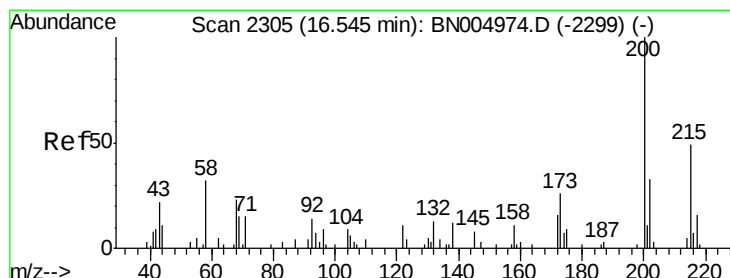
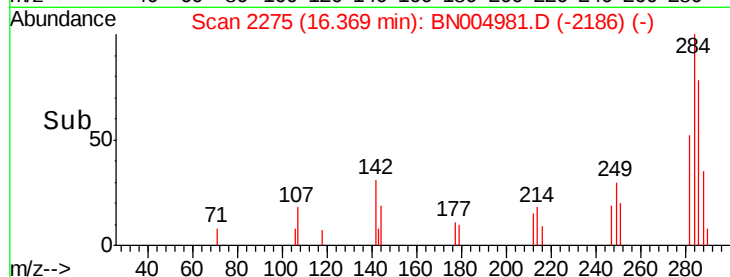
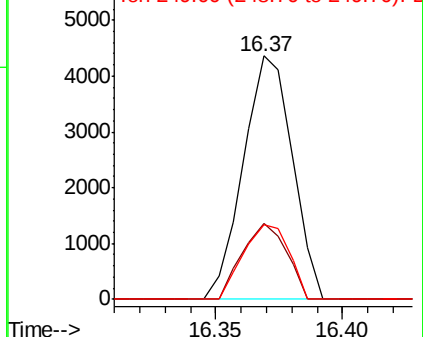
249 30.4 24.5 36.7



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

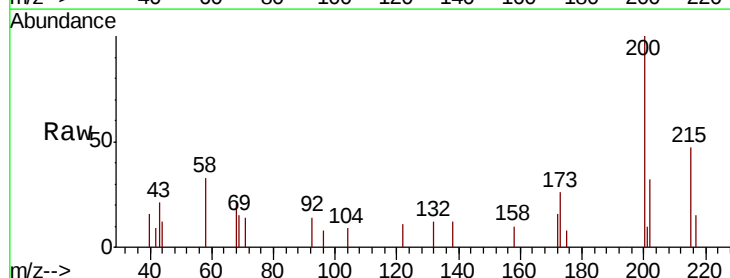
Tgt Ion:200 Resp: 4592

Ion Ratio Lower Upper

200 100

173 26.3 6.4 46.4

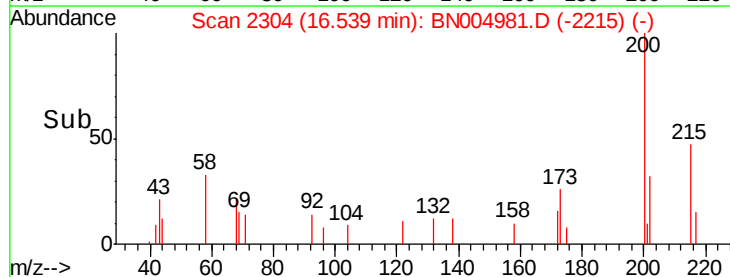
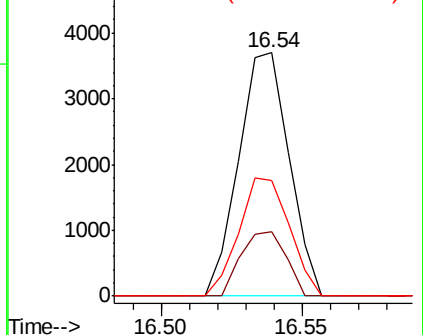
215 47.5 28.8 68.8

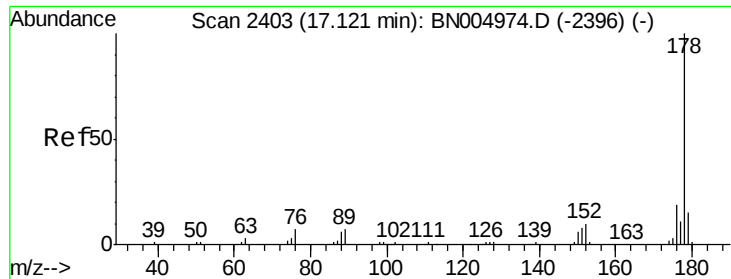


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

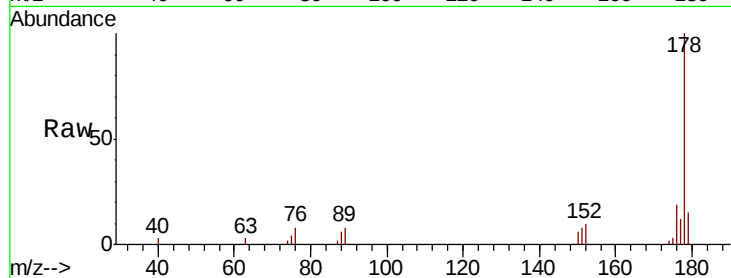




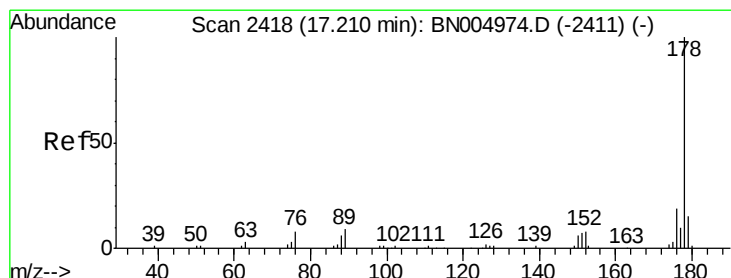
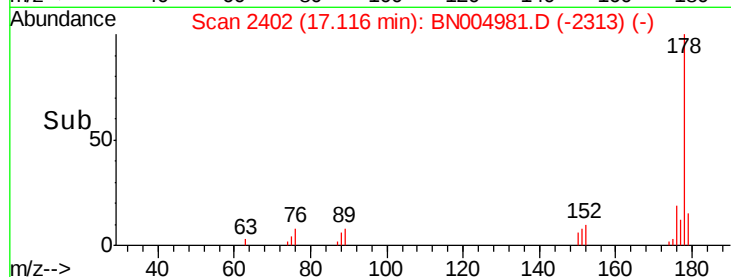
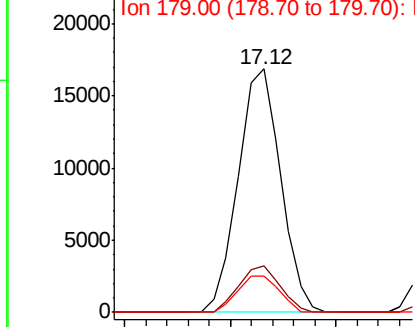
#71
Phenanthrene
Concen: 8.344 ng
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

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

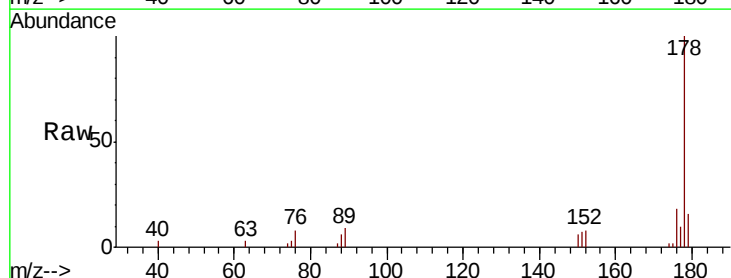


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

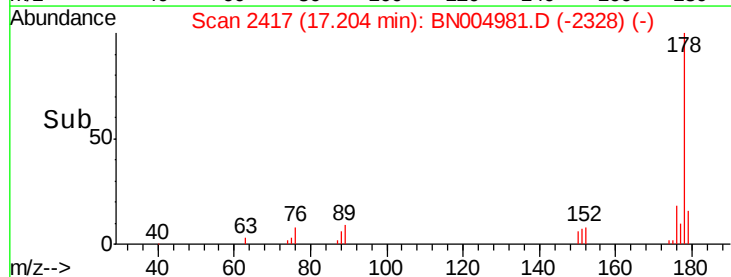
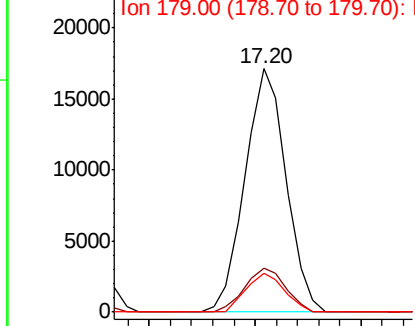


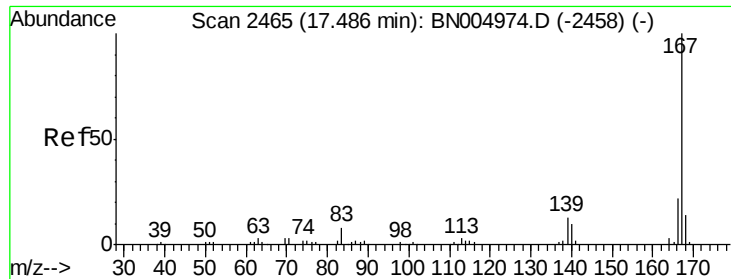
#72
Anthracene
Concen: 8.227 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

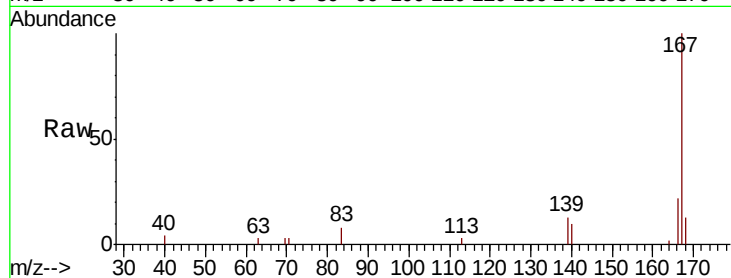




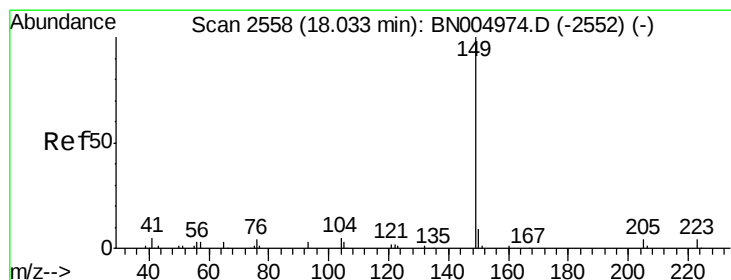
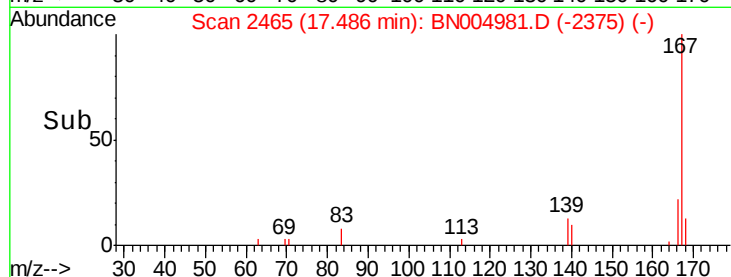
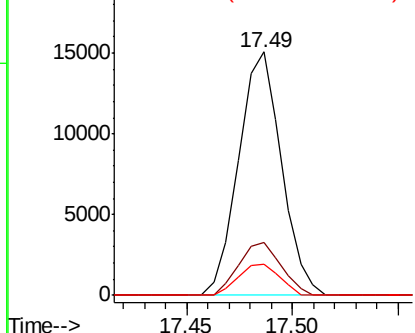
#73
 Carbazole
 Concen: 8.289 ng
 RT: 17.49 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

Tot Ion:167 Resp: 21182
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.8
 139 12.8 10.6 16.0

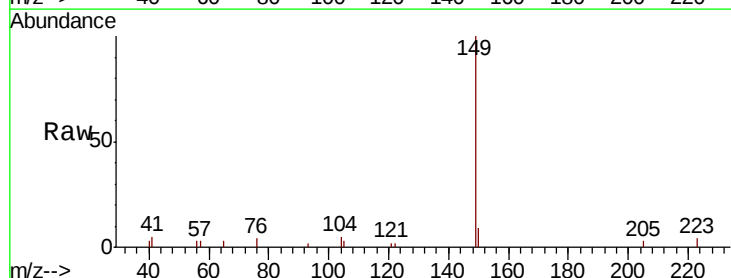


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

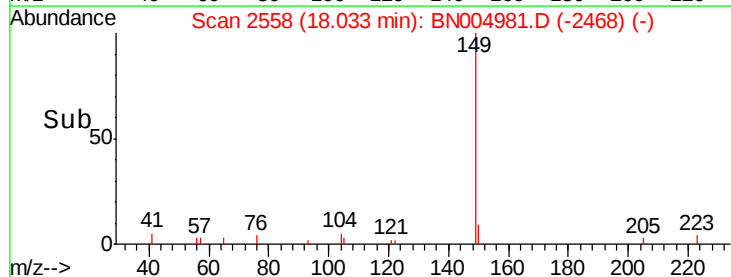
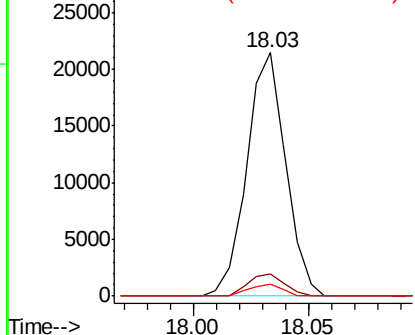


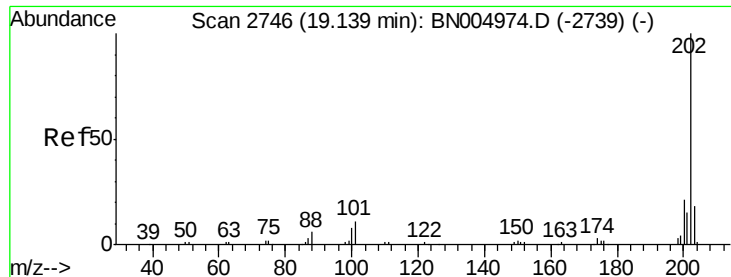
#74
 Di-n-butylphthalate
 Concen: 8.102 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

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

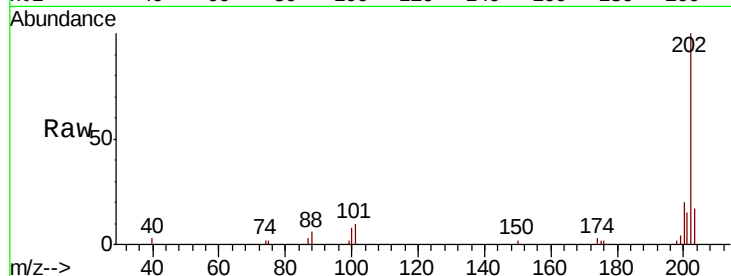
Tot Ion:202 Resp: 27333

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.1

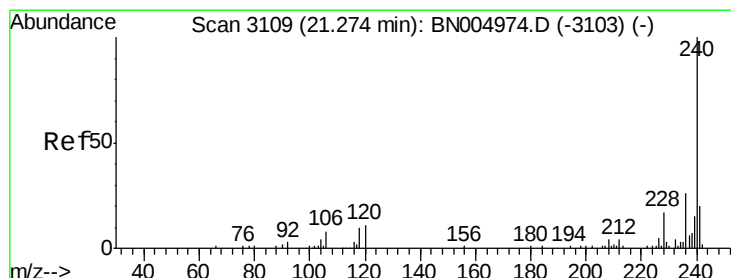
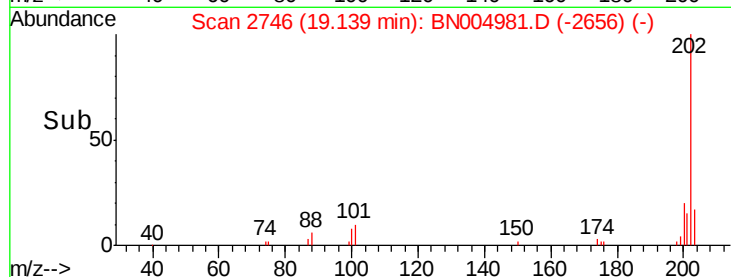
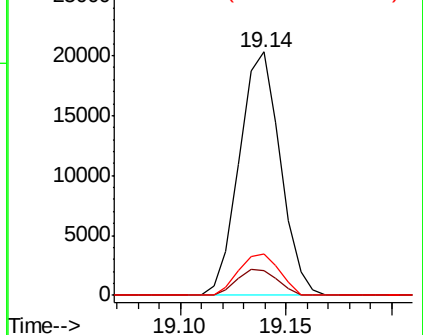
203 17.2 0.0 37.5



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

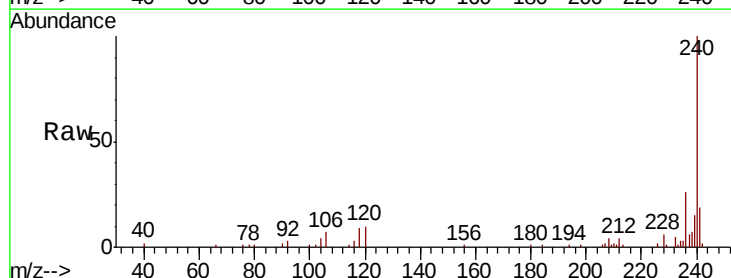
Tgt Ion:240 Resp: 52246

Ion Ratio Lower Upper

240 100

120 10.1 8.5 12.7

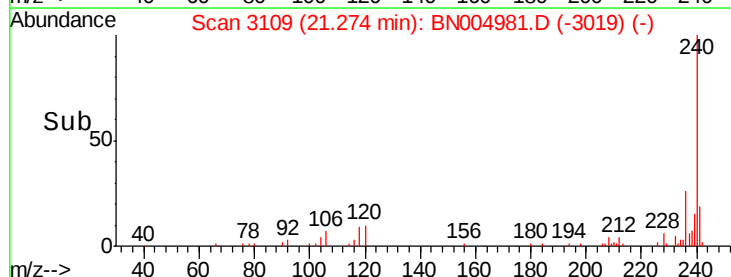
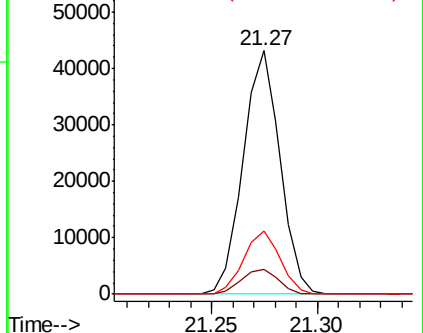
236 26.1 21.2 31.8

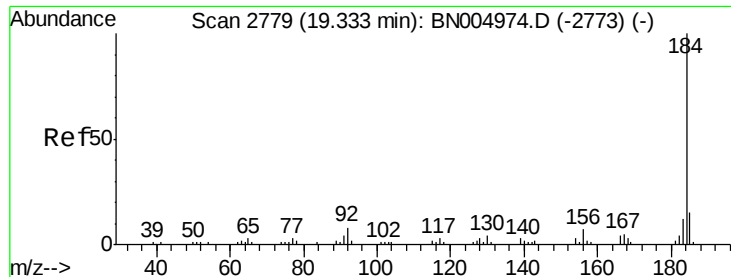


Abundance Ion 240.00 (239.70 to 240.70): E

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

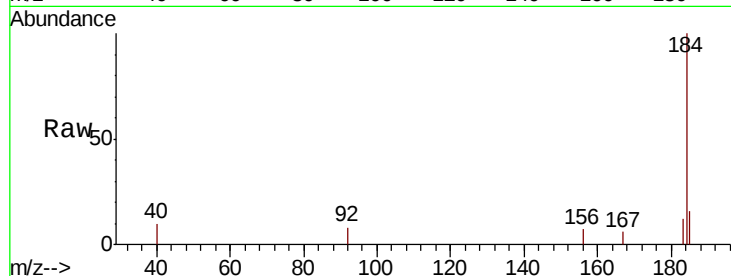
Tot Ion:184 Resp: 8900

Ion Ratio Lower Upper

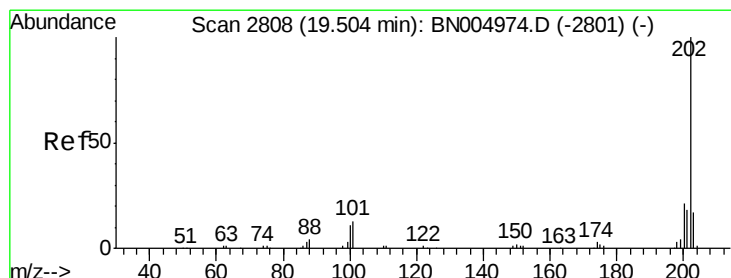
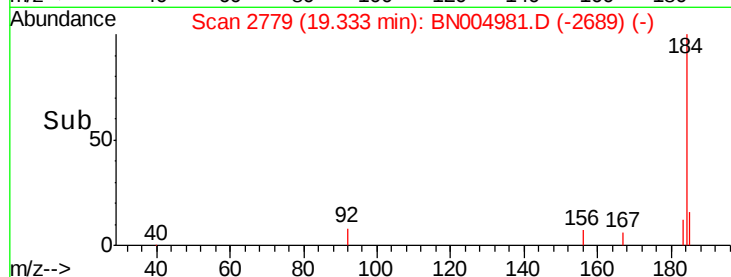
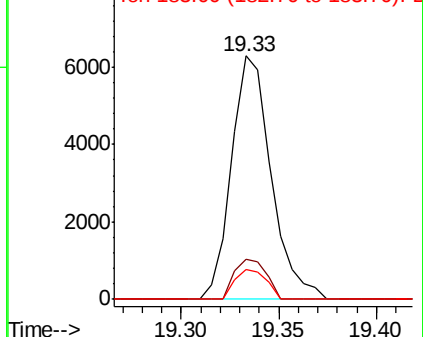
184 100

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

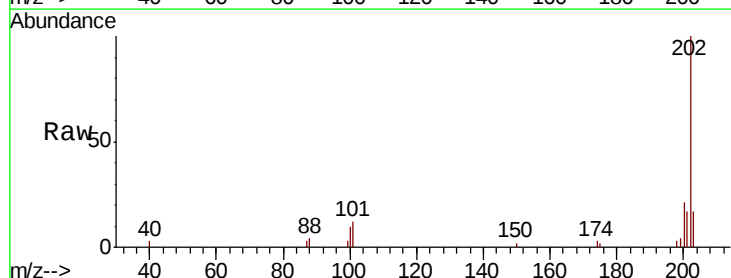
Tgt Ion:202 Resp: 28252

Ion Ratio Lower Upper

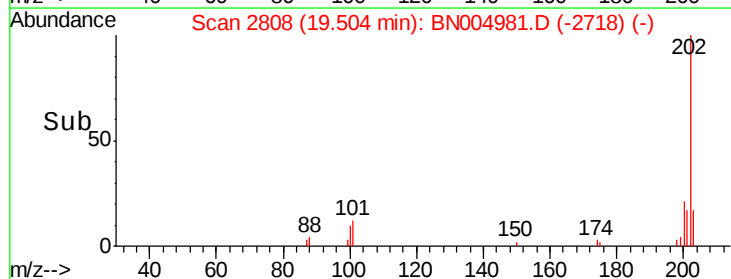
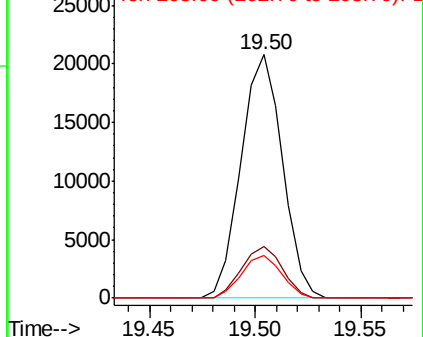
202 100

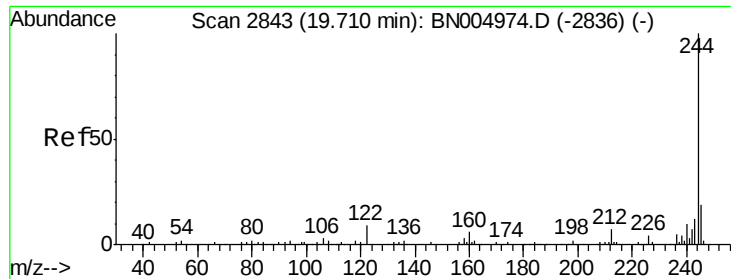
200 21.1 17.0 25.4

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

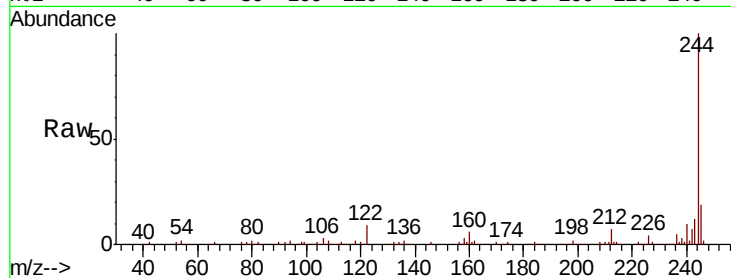
Tot Ion:244 Resp: 236049

Ion Ratio Lower Upper

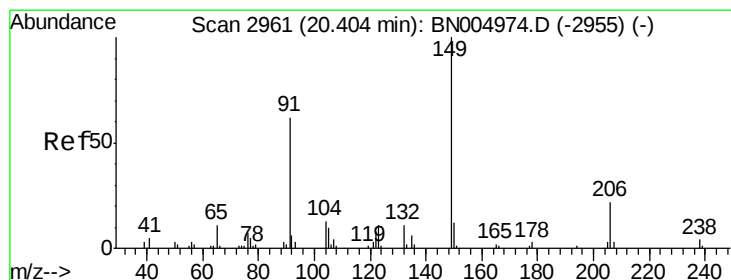
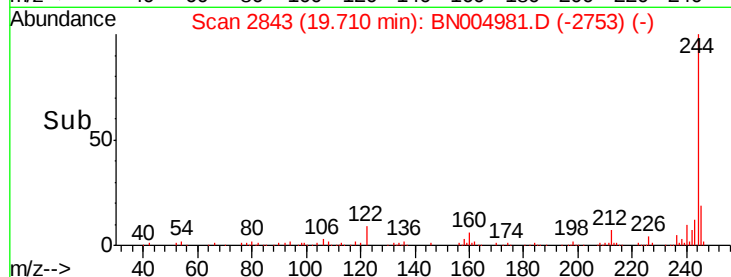
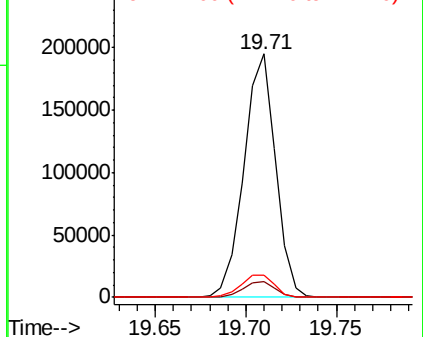
244 100

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

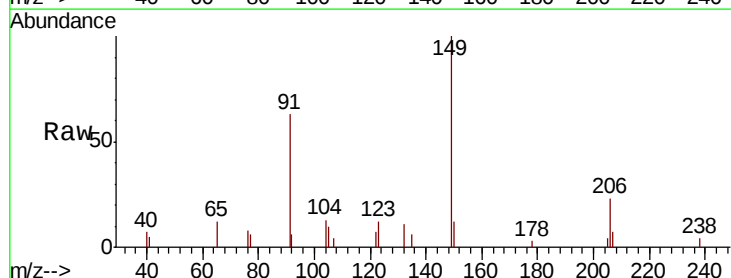
Tgt Ion:149 Resp: 10955

Ion Ratio Lower Upper

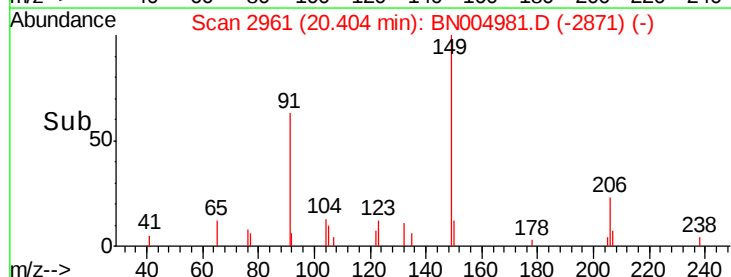
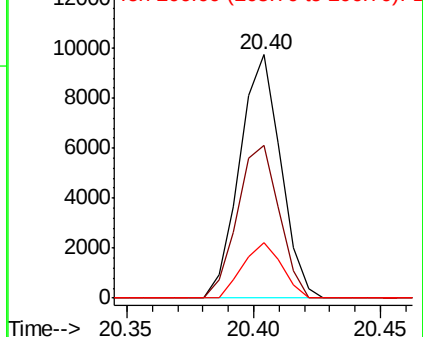
149 100

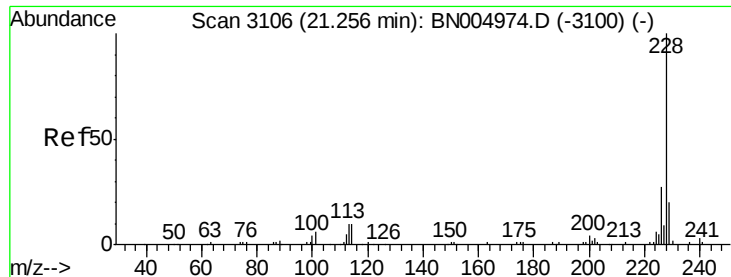
91 62.8 49.3 73.9

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

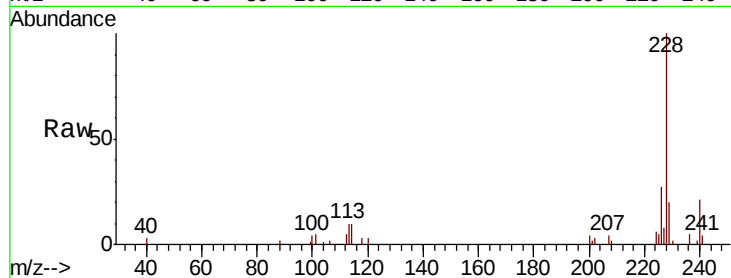
Tot Ion:228 Resp: 27231

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

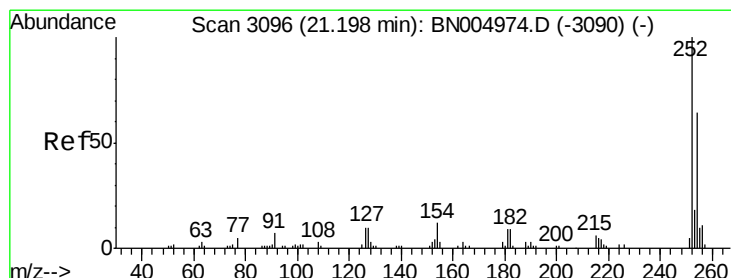
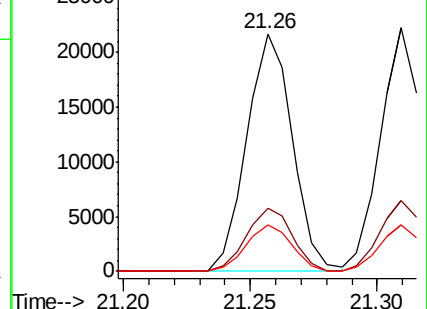
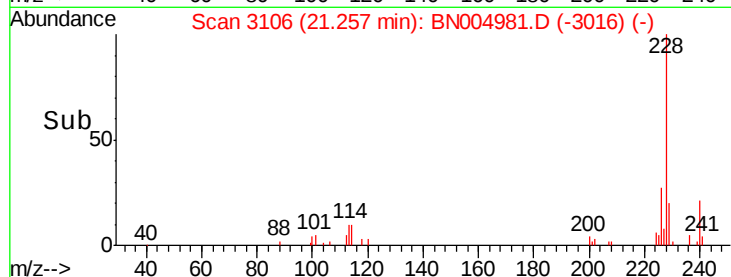
229 19.7 15.9 23.9



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

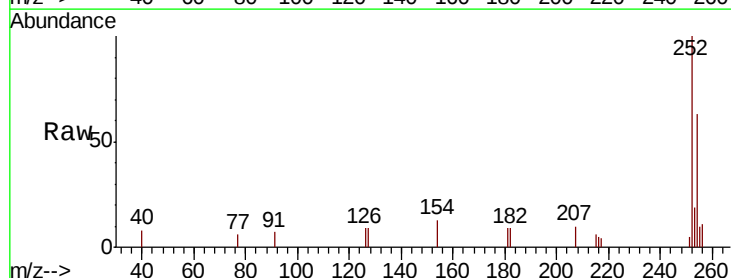
Tgt Ion:252 Resp: 9568

Ion Ratio Lower Upper

252 100

254 63.2 51.5 77.3

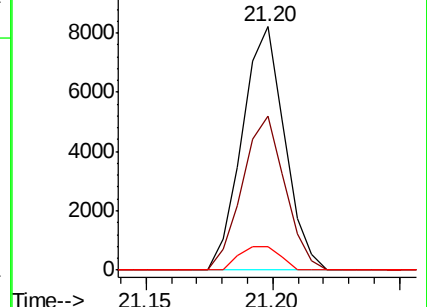
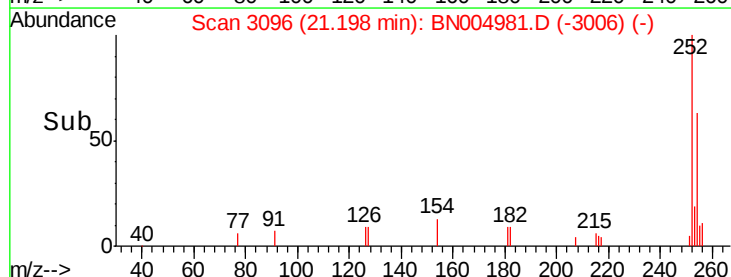
126 9.5 7.9 11.9

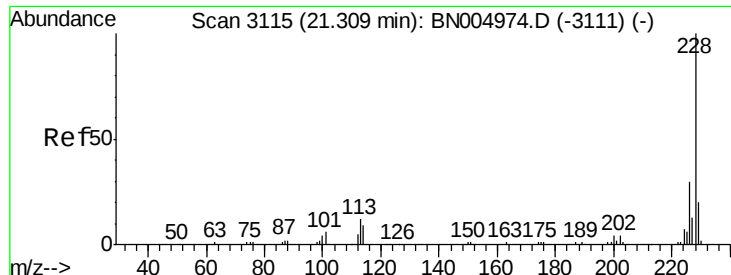


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

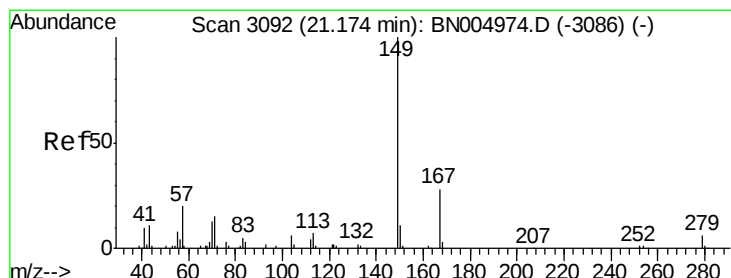
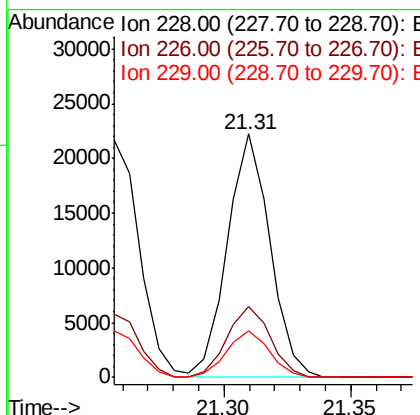
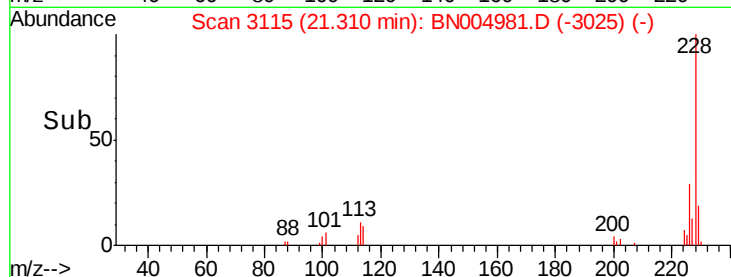
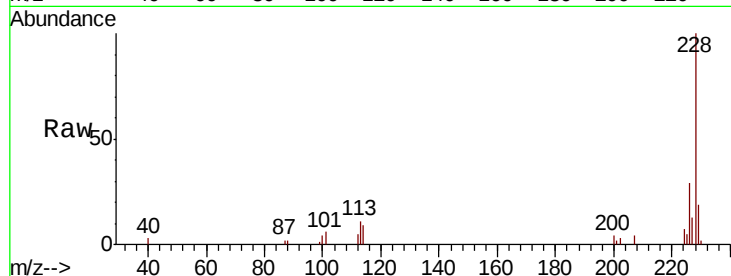




#83
 Chrysene
 Concen: 8.324 ng
 RT: 21.31 min Scan# 3115
 Delta R.T. 0.00 min
 Lab File: BN004981.D
 Acq: 26 Mar 2019 17:54

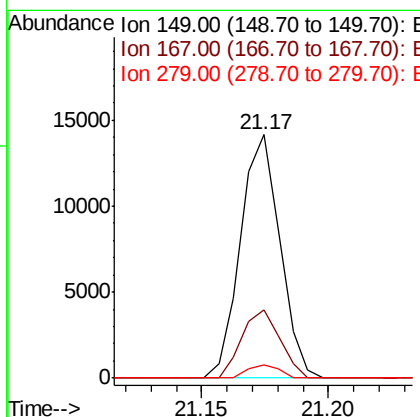
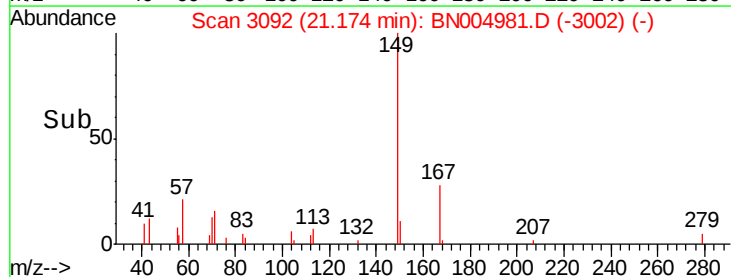
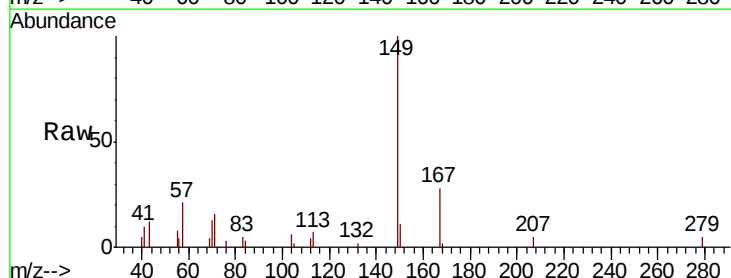
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

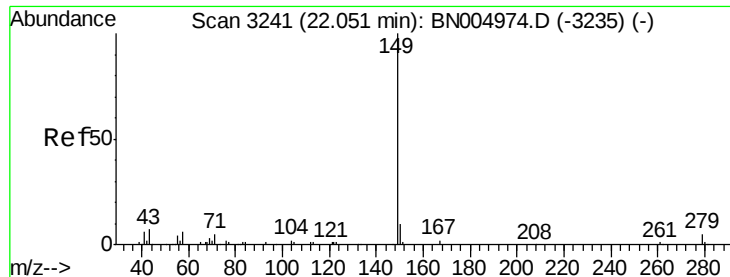
Tot Ion:228 Resp: 25874
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.2 36.2
 229 19.3 15.8 23.8



#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





#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

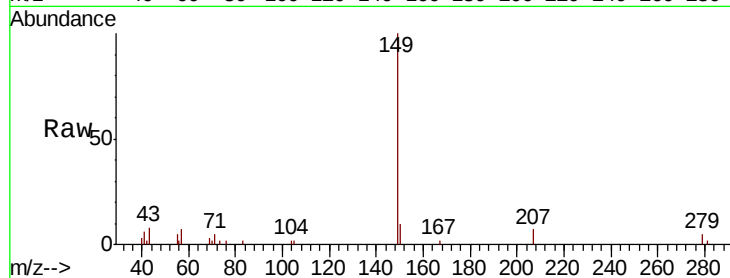
Tot Ion:149 Resp: 25195

Ion Ratio Lower Upper

149 100

167 0.9 1.2 1.8#

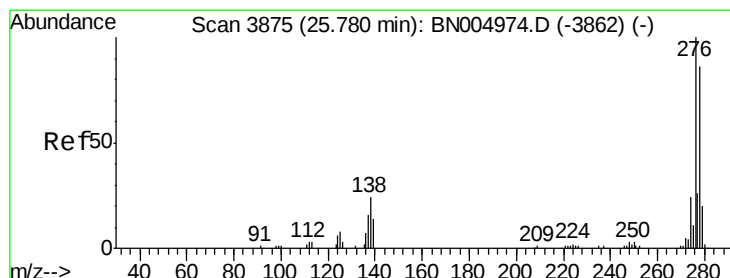
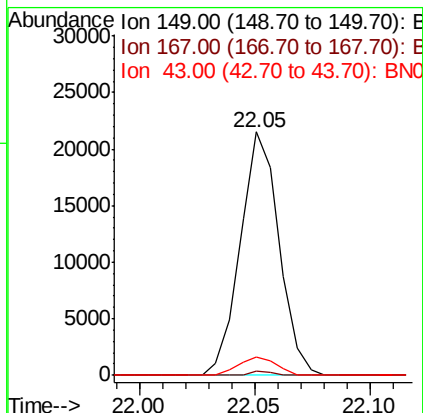
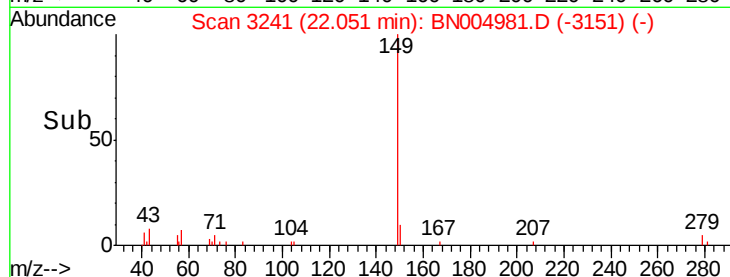
43 7.3 5.8 8.6



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

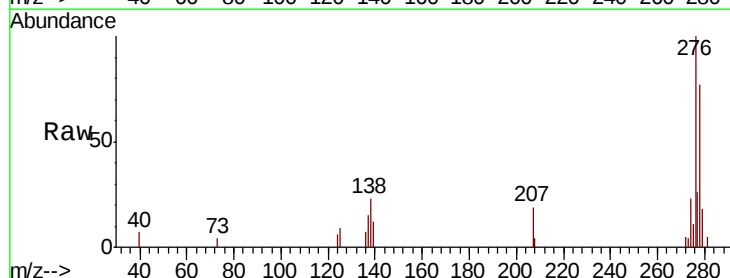
Tgt Ion:276 Resp: 26514

Ion Ratio Lower Upper

276 100

138 22.6 18.5 27.7

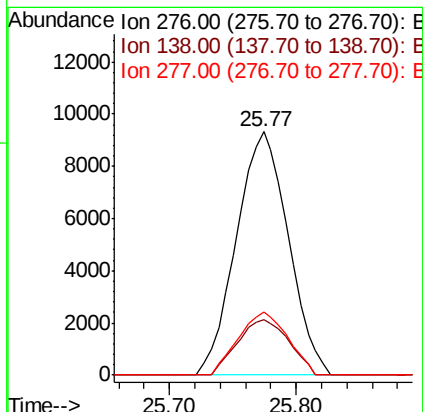
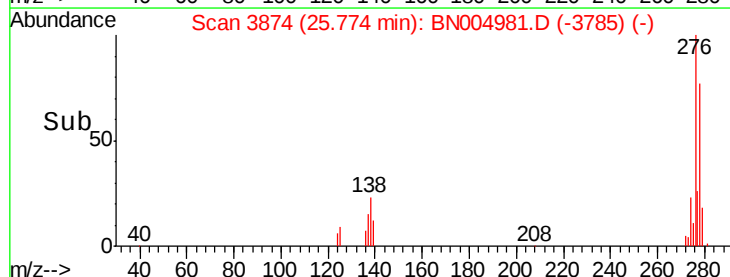
277 24.6 20.4 30.6

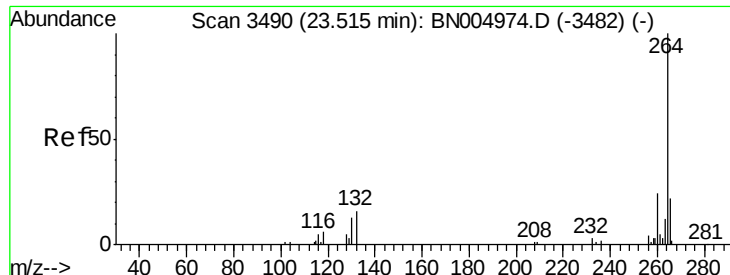


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

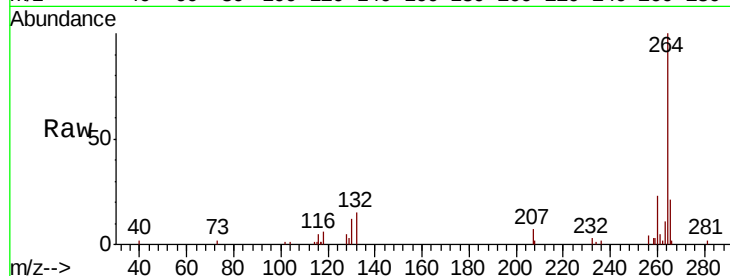




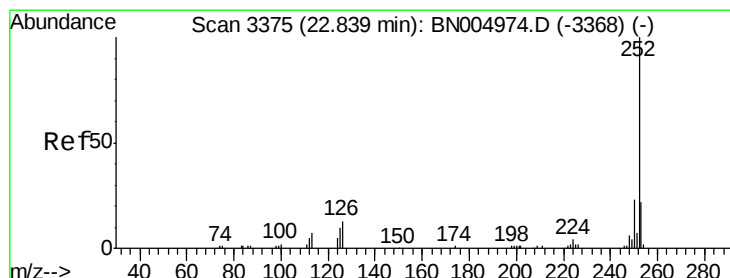
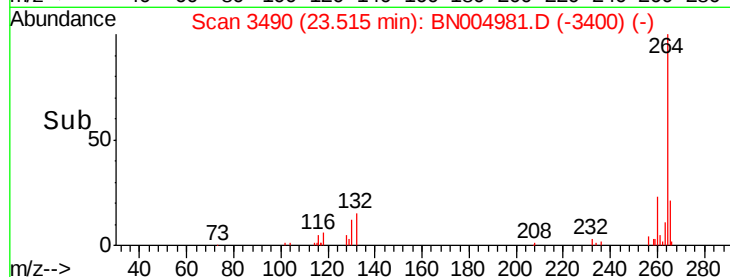
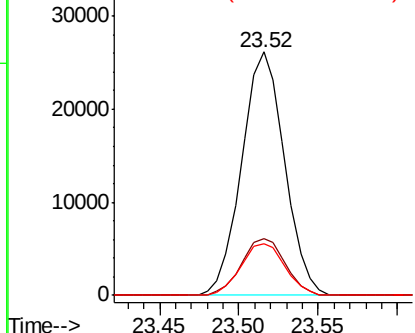
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tot Ion:264 Resp: 49167
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 21.3 17.2 25.8

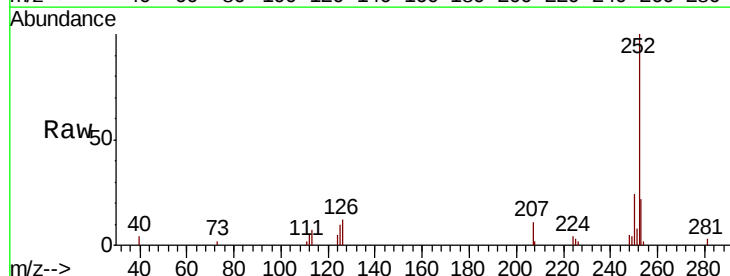


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

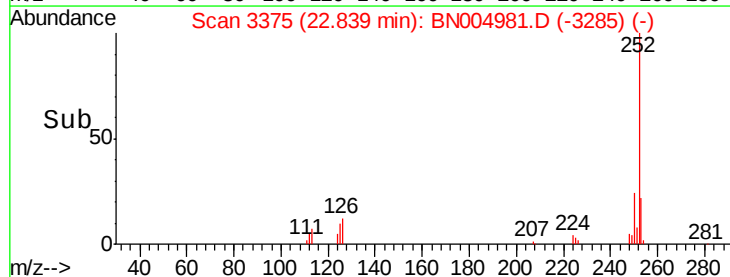
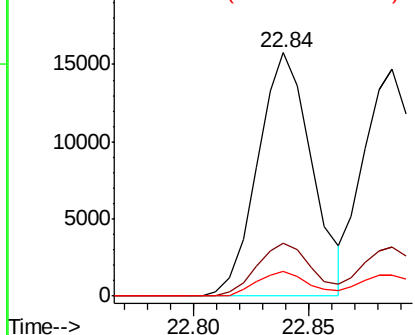


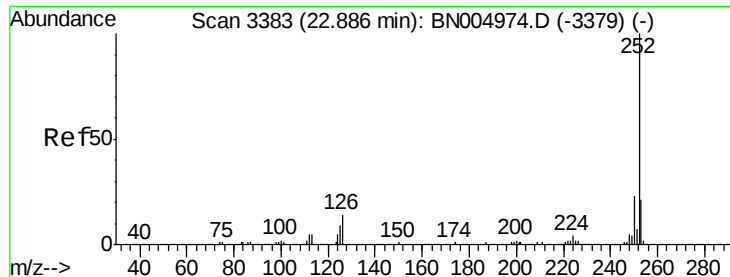
#88
Benzo(b)fluoranthene
Concen: 8.489 ng
RT: 22.84 min Scan# 3375
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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



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





#89

Benzo(k)fluoranthene

Concen: 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

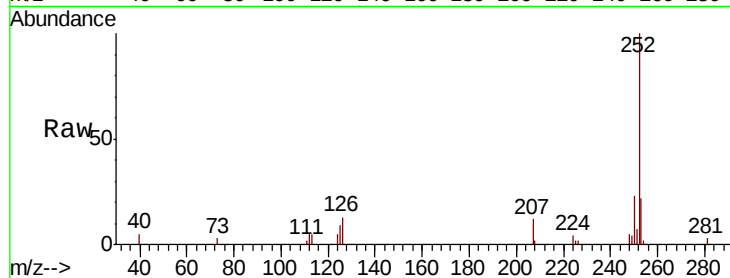
Tot Ion:252 Resp: 23426

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

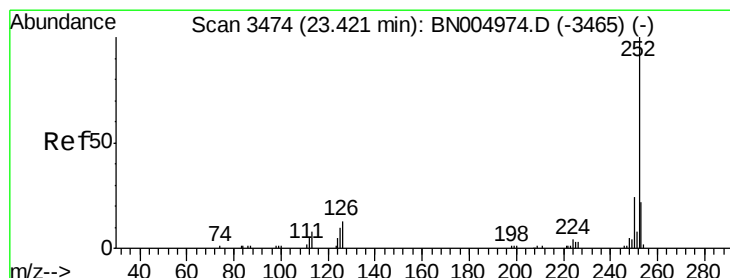
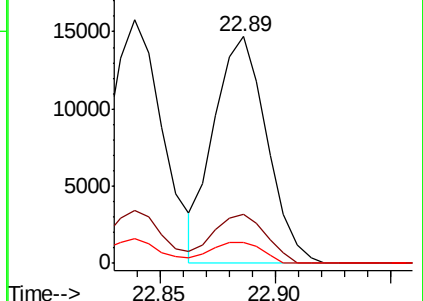
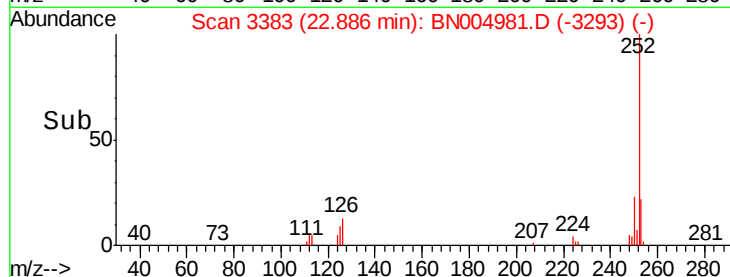
125 9.4 7.6 11.4



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

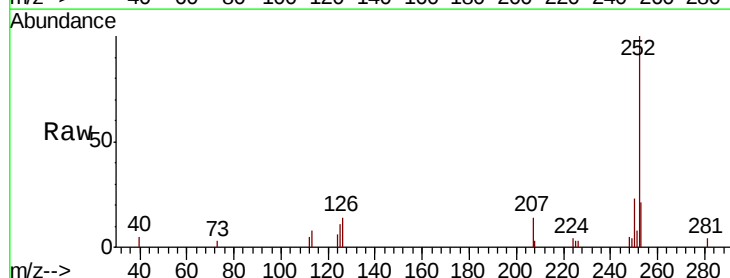
Tgt Ion:252 Resp: 22712

Ion Ratio Lower Upper

252 100

253 21.3 17.7 26.5

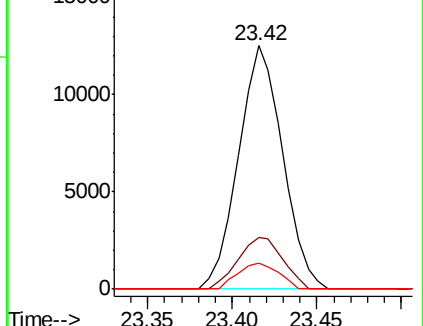
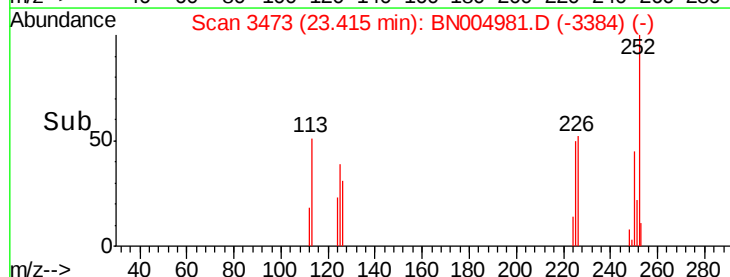
125 10.8 8.2 12.4

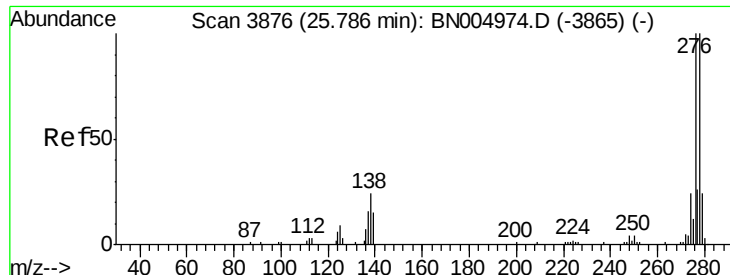


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

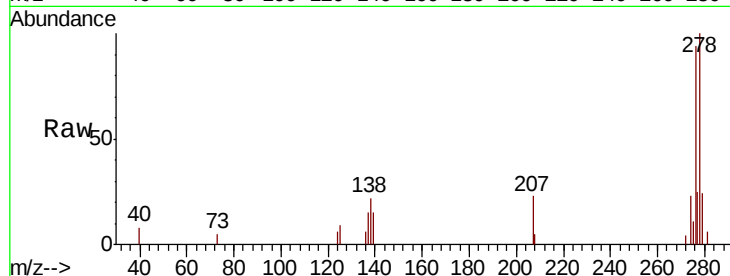




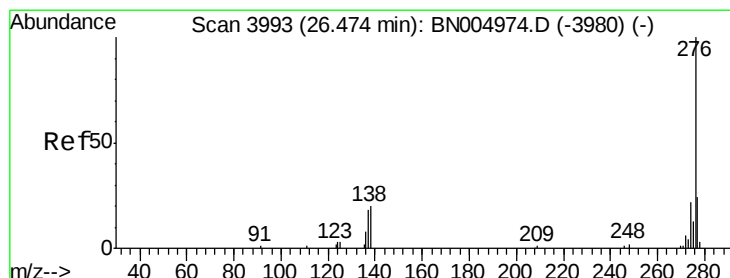
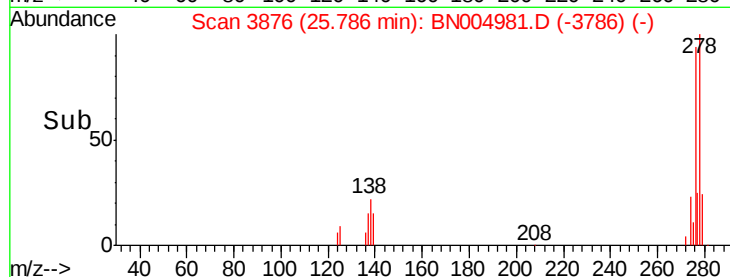
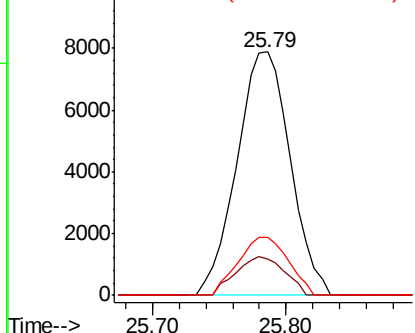
#91
Dibenzo(a,h)anthracene
Concen: 7.845 ng
RT: 25.79 min Scan# 3876
Delta R.T. 0.00 min
Lab File: BN004981.D
Acq: 26 Mar 2019 17:54

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

Tot Ion:278 Resp: 21811
Ion Ratio Lower Upper
278 100
139 14.9 11.8 17.8
279 24.1 19.3 28.9

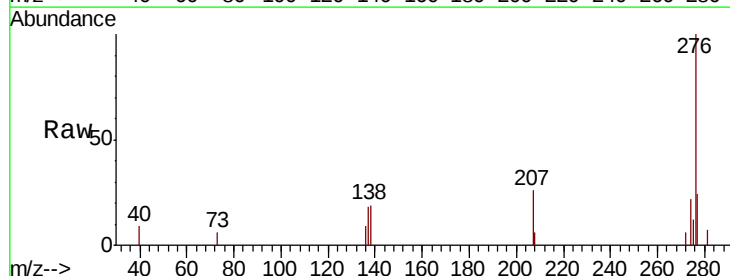


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#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

