

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN111218\
 Data File : BN003508.D
 Acq On : 12 Nov 2018 14:53
 Operator : MJ/SJ
 Sample : J5807-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Quant Time: Nov 12 16:40:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 15:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	104230	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	446197	20.00	ng	0.00
39) Acenaphthene-d10	14.49	164	257602	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	554149	20.00	ng	0.00
76) Chrysene-d12	21.40	240	436078	20.00	ng	0.00
87) Perylene-d12	23.72	264	430296	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	760252	131.55	ng	0.00
7) Phenol-d6	7.02	99	1088467	135.81	ng	0.01
23) Nitrobenzene-d5	9.02	82	660103	93.12	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	626294	163.09	ng	0.00
45) 2-Fluorobiphenyl	13.11	172	1841655	95.42	ng	0.00
79) Terphenyl-d14	19.85	244	2565149	115.81	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.28	93	313479	31.649	ng	# 56
9) Benzaldehyde	7.05	77	23802	4.339	ng	# 1
10) Phenol	7.05	94	2452733	283.631	ng	98
11) bis(2-Chloroethyl)ether	7.28	93	313479	45.722	ng	99
12) 1,3-Dichlorobenzene	7.73	146	883517	107.055	ng	99
13) 1,4-Dichlorobenzene	7.88	146	411417	48.778	ng	99
14) 1,2-Dichlorobenzene	8.20	146	1912915	234.480	ng	100
18) Hexachloroethane	8.92	117	607784	221.405	ng	100
24) Nitrobenzene	9.08	77	1972131	271.112	ng	96
25) Isophorone	9.59	82	3594482	292.820	ng	96
26) 2-Nitrophenol	9.78	139	722371	174.668	ng	98
27) 2,4-Dimethylphenol	9.78	122	46294	7.832	ng	# 8
28) bis(2-Chloroethoxy)methane	10.06	93	442320	51.754	ng	99
30) 1,2,4-Trichlorobenzene	10.51	180	1112781	140.372	ng	99
32) Benzoic acid	9.78	122	46294	12.812	ng	# 7
35) Caprolactam	11.93	113	37624	15.340	ng	# 23
36) 4-Chloro-3-methylphenol	11.93	107	1299883	176.425	ng	98
37) 2-Methylnaphthalene	11.93	142	1116401	71.970	ng	# 24
43) 2,4,6-Trichlorophenol	12.98	196	759951	132.172	ng	97
44) 2,4,5-Trichlorophenol	12.98	196	759951	123.906	ng	99
47) 2-Chloronaphthalene	13.37	162	2758887	160.718	ng	99
50) Dimethylphthalate	13.95	163	2583703	128.030	ng	99
51) 2,6-Dinitrotoluene	14.09	165	865087	183.652	ng	93
53) 3-Nitroaniline	14.89	138	54735	10.869	ng	# 14
54) 2,4-Dinitrophenol	14.87	184	407	7.996	ng	# 1
55) Dibenzofuran	14.89	168	3384063	133.756	ng	99
56) 4-Nitrophenol	14.70	139	430499	111.888	ng	99
57) 2,4-Dinitrotoluene	14.87	165	1594519	250.440	ng	98
61) 4-Chlorophenyl-phenylether	15.53	204	2254843	204.873	ng	98
63) Azobenzene	15.53	77	688435	39.500	ng	# 45
65) 4,6-Dinitro-2-methylphenol	15.97	198	1352	5.255	ng	# 1
66) n-Nitrosodiphenylamine	15.53	169	257059	14.646	ng	# 81
67) 4-Bromophenyl-phenylether	16.43	248	1849973	264.671	ng	96
68) Hexachlorobenzene	16.55	284	2604393	320.139	ng	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

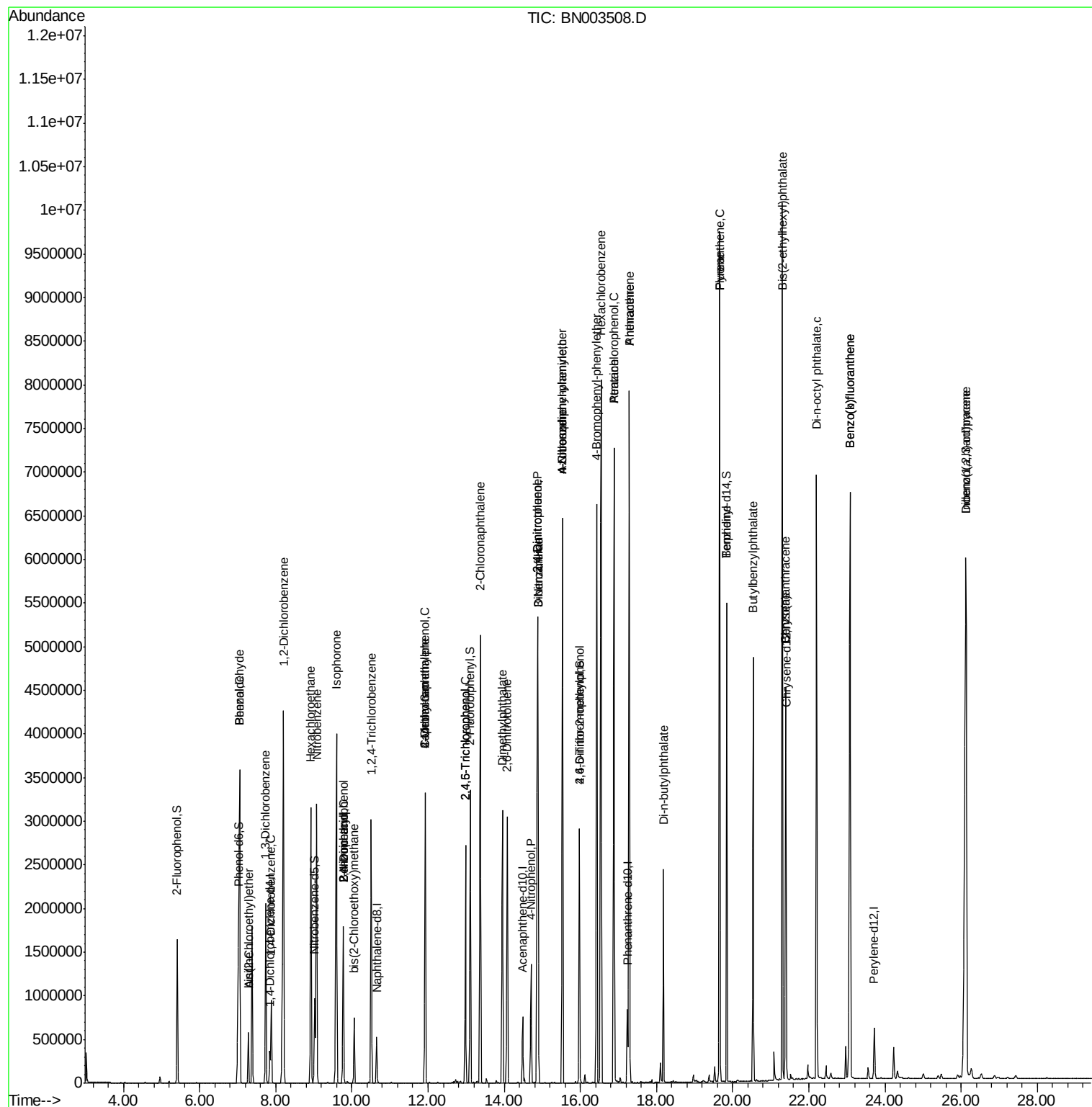
69) Atrazine	16.88	200	275822	42.011	ng	# 34
70) Pentachlorophenol	16.88	266	1599450	294.991	ng	98
71) Phenanthrene	17.29	178	5714591	197.399	ng	97
72) Anthracene	17.29	178	5714591	201.954	ng	96
74) Di-n-butylphthalate	18.18	149	1800282	54.940	ng	100
75) Fluoranthene	19.66	202	7197558	230.641	ng	97
77) Benzidine	19.85	184	30696	2.035	ng	# 95
78) Pyrene	19.66	202	7198598	244.552	ng	97
80) Butylbenzylphthalate	20.54	149	1590349	126.062	ng	96
81) Benzo(a)anthracene	21.39	228	2375441	95.761	ng	99
83) Chrysene	21.39	228	2375441	100.125	ng	98
84) Bis(2-ethylhexyl)phthalate	21.31	149	4881667	266.836	ng	# 92
85) Di-n-octyl phthalate	22.20	149	5417154	199.372	ng	98
86) Indeno(1,2,3-cd)pyrene	26.13	276	6433275	256.864	ng	97
88) Benzo(b)fluoranthene	23.08	252	5589531	233.318	ng	98
89) Benzo(k)fluoranthene	23.08	252	5589531	234.466	ng	98
91) Dibenzo(a,h)anthracene	26.13	278	2799687	123.860	ng	100

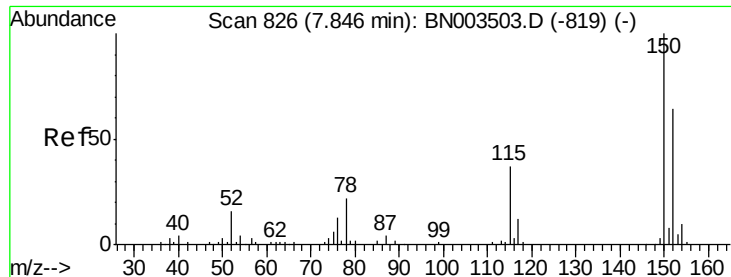
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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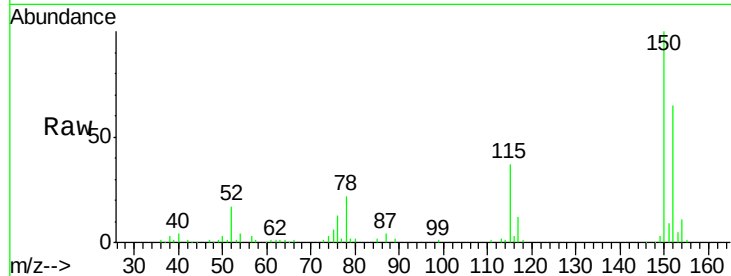


#1

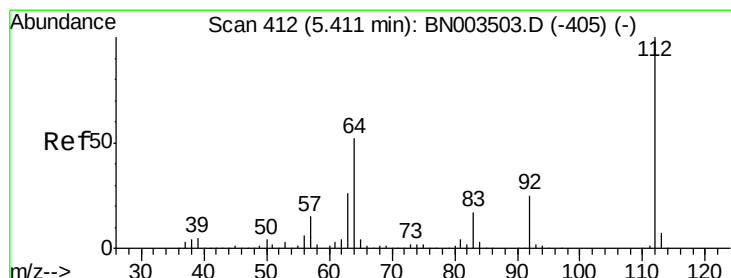
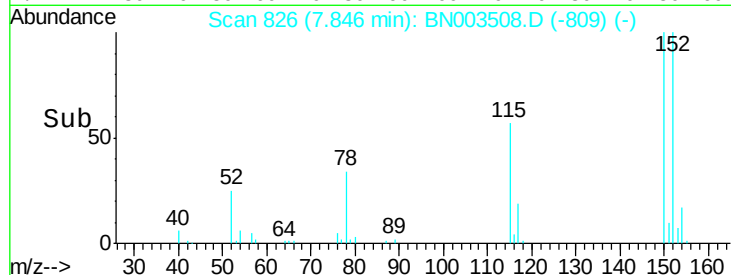
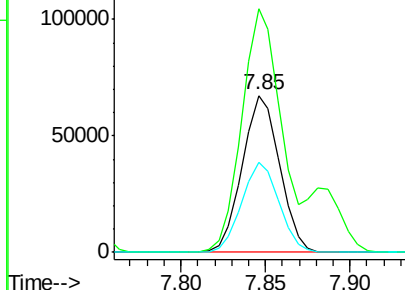
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

Tgt Ion:152 Resp: 104230
Ion Ratio Lower Upper
152 100
150 154.9 125.4 188.0
115 57.1 45.9 68.9



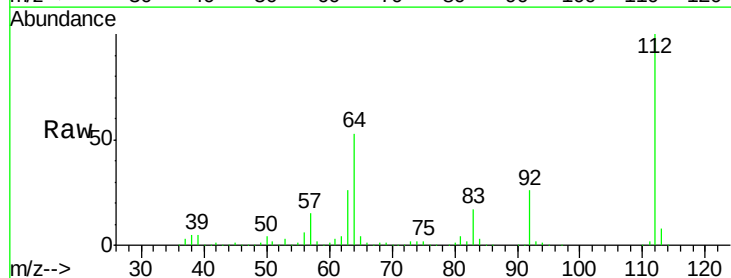
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



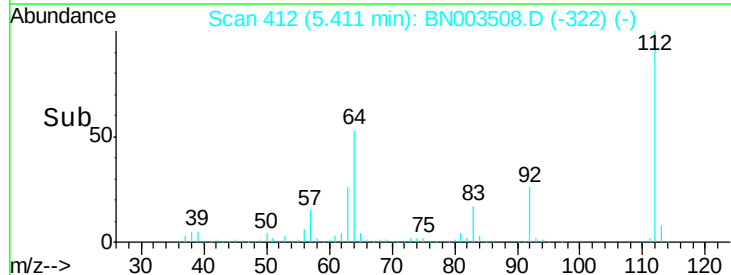
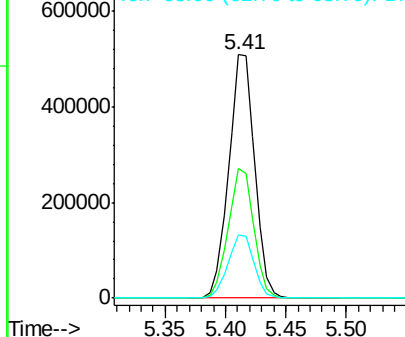
#5

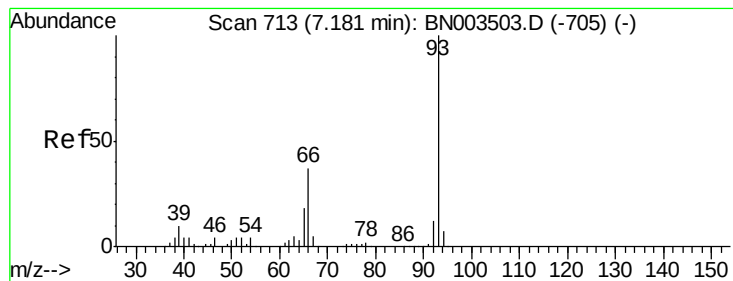
2-Fluorophenol
Concen: 131.552 ng
RT: 5.41 min Scan# 412
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion:112 Resp: 760252
Ion Ratio Lower Upper
112 100
64 53.3 41.4 62.2
63 26.2 20.5 30.7



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





#6

Aniline

Concen: 31.649 ng

RT: 7.28 min Scan# 730

Delta R.T. 0.10 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

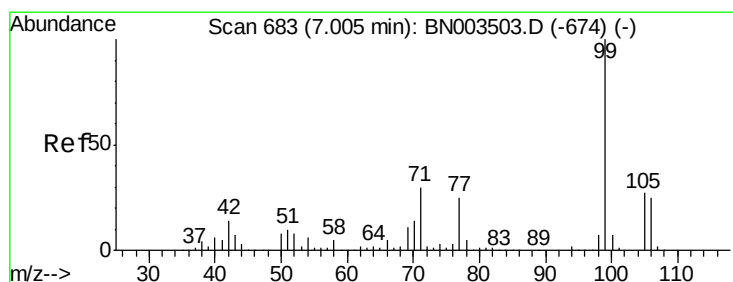
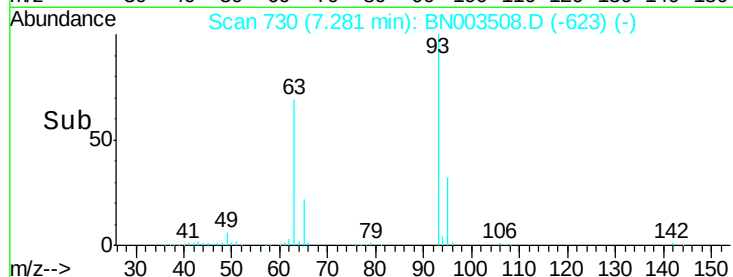
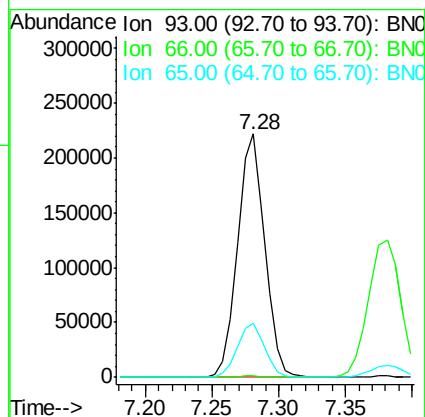
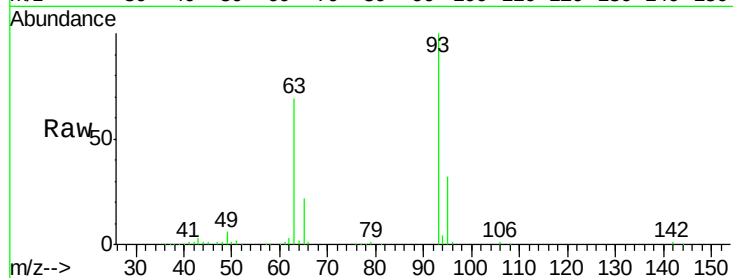
Tgt Ion: 93 Resp: 313479

Ion Ratio Lower Upper

93 100

66 0.5 29.6 44.4#

65 22.0 14.5 21.7#



#7

Phenol-d6

Concen: 135.807 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

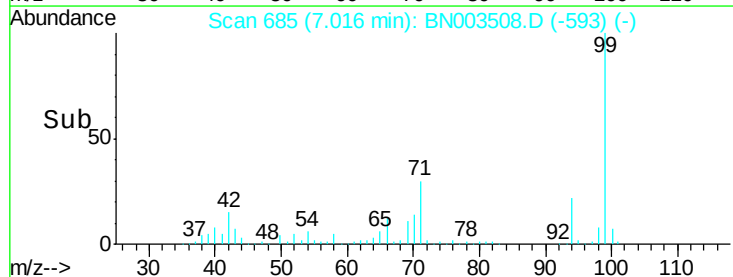
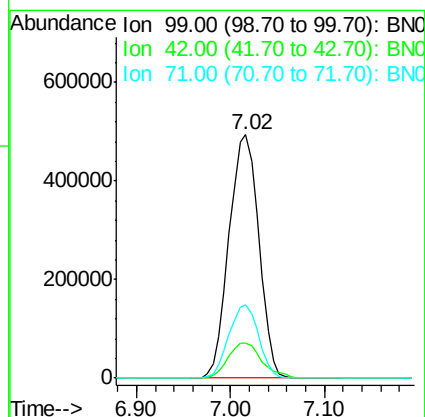
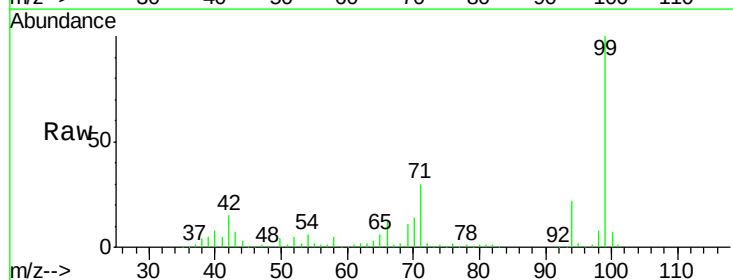
Tgt Ion: 99 Resp: 1088467

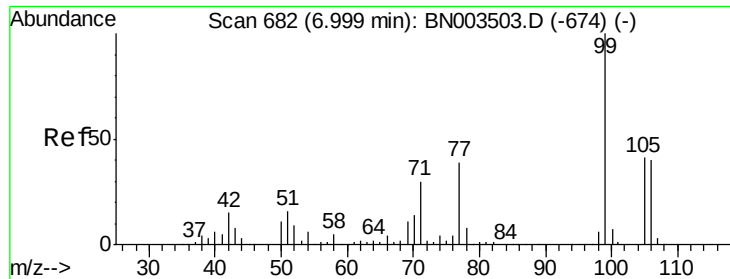
Ion Ratio Lower Upper

99 100

42 14.6 11.6 17.4

71 30.1 24.2 36.2





#9

Benzaldehyde

Concen: 4.339 ng

RT: 7.05 min Scan# 691

Delta R.T. 0.05 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

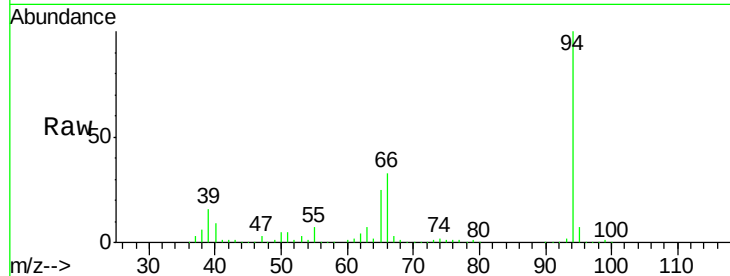
Tgt Ion: 77 Resp: 23802

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

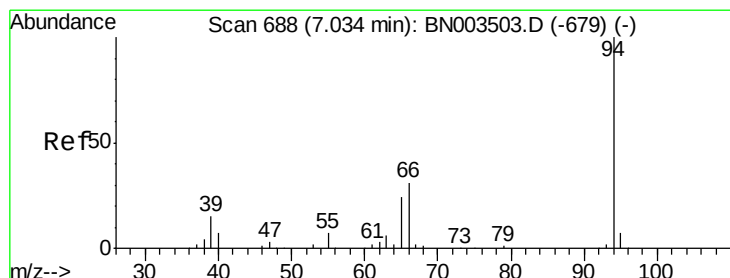
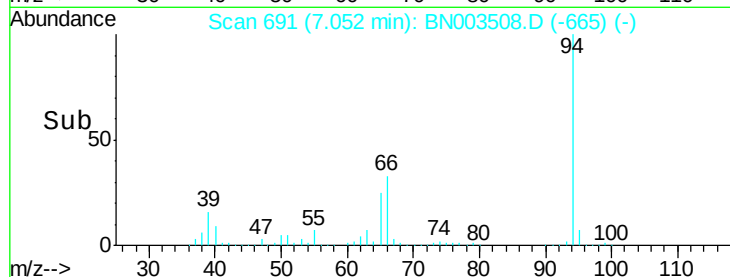
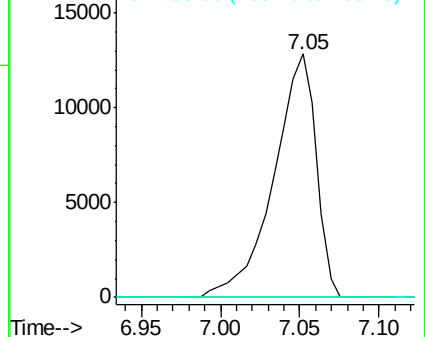
106 0.0 81.0 121.0#



Abundance Ion 77.00 (76.70 to 77.70): BN0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 283.631 ng

RT: 7.05 min Scan# 691

Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

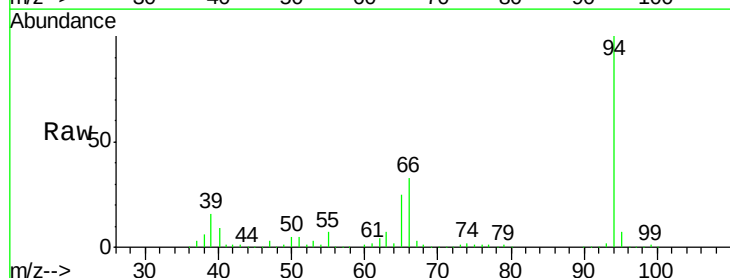
Tgt Ion: 94 Resp: 2452733

Ion Ratio Lower Upper

94 100

65 25.1 4.5 44.5

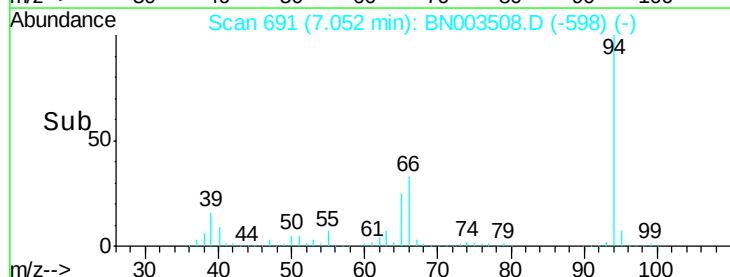
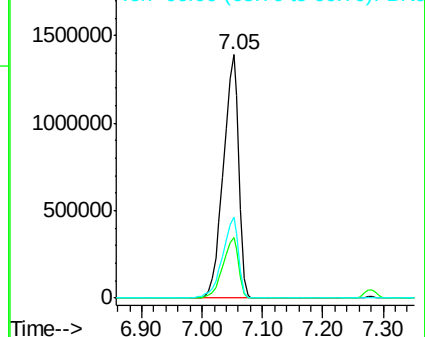
66 33.4 12.0 52.0

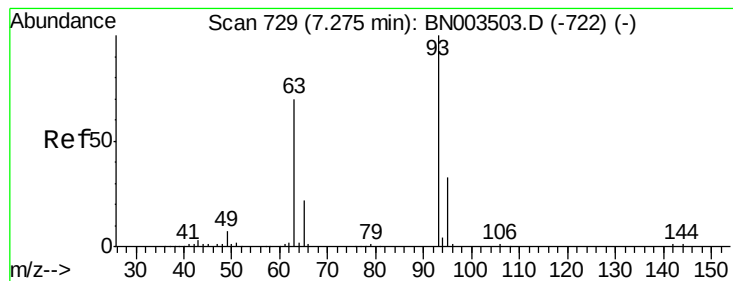


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0





#11

bis(2-Chloroethyl)ether

Concen: 45.722 ng

RT: 7.28 min Scan# 730

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

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ClientSampleId :

PT-BNA-Soil

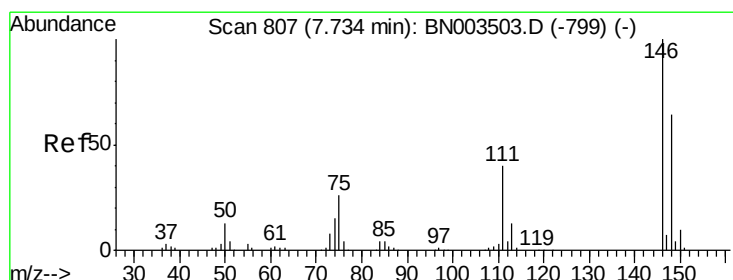
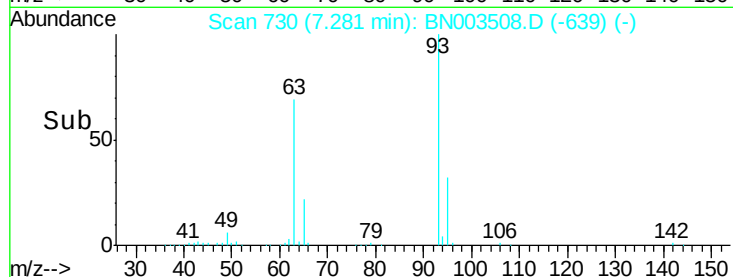
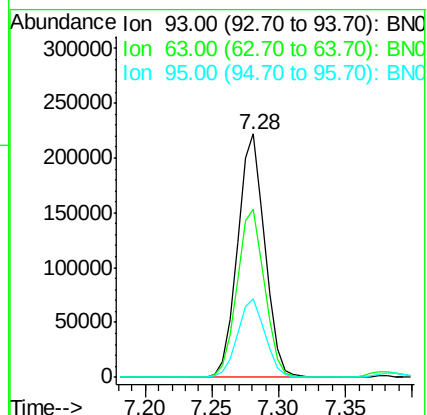
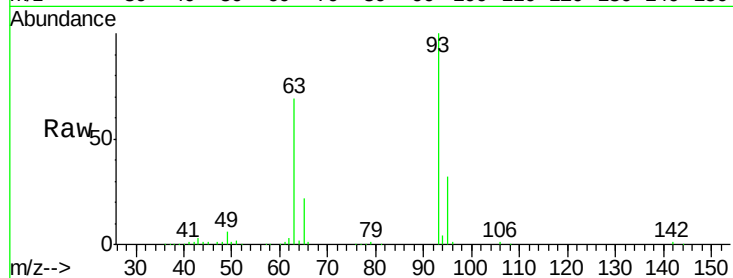
Tgt Ion: 93 Resp: 313479

Ion Ratio Lower Upper

93 100

63 69.0 49.9 89.9

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 107.055 ng

RT: 7.73 min Scan# 807

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

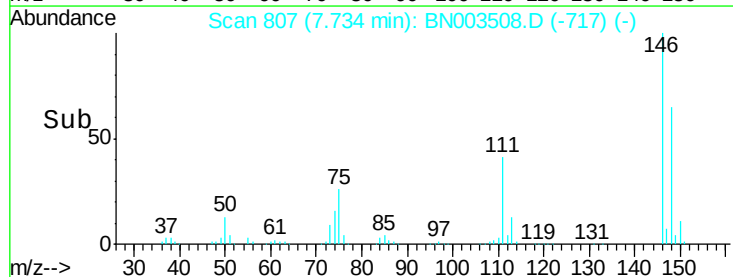
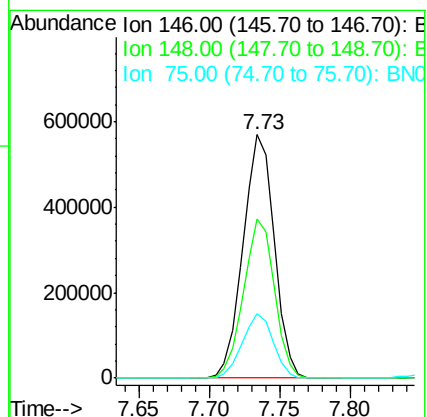
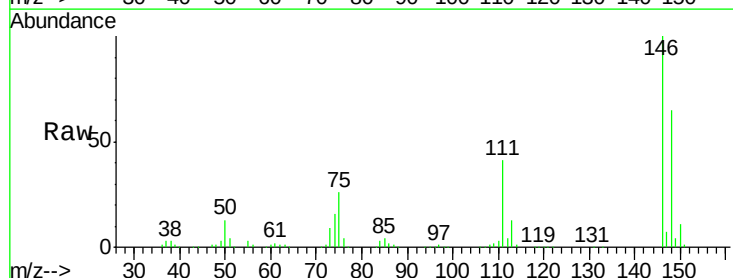
Tgt Ion: 146 Resp: 883517

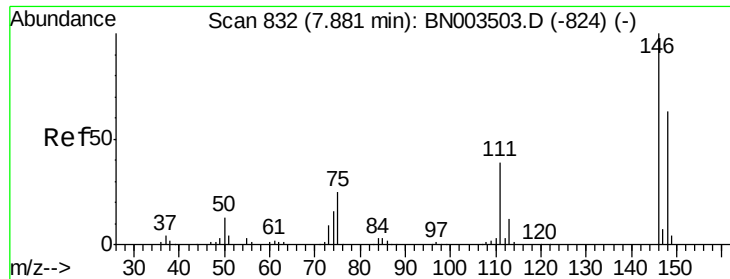
Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

75 26.4 20.5 30.7

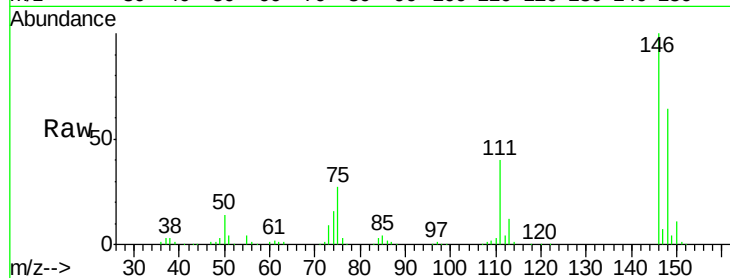




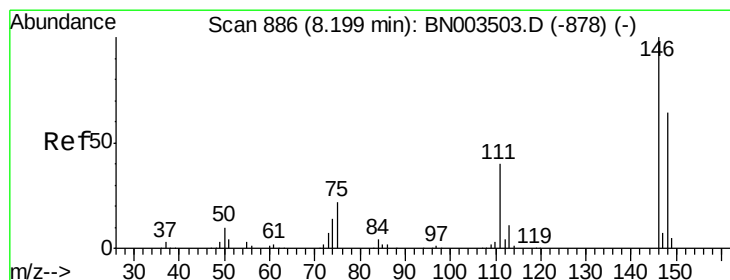
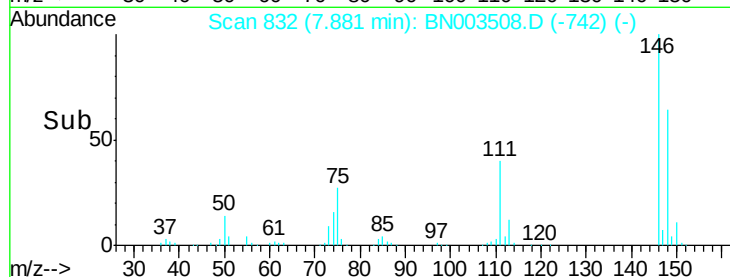
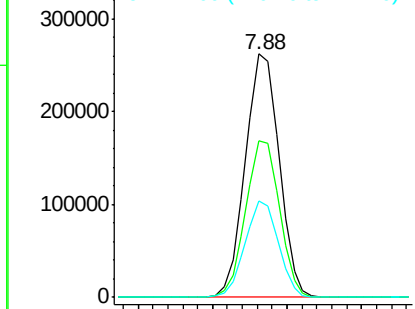
#13
 1,4-Dichlorobenzene
 Concen: 48.778 ng
 RT: 7.88 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Tgt Ion:146 Resp: 411417
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.8 76.2
 111 39.5 31.0 46.6

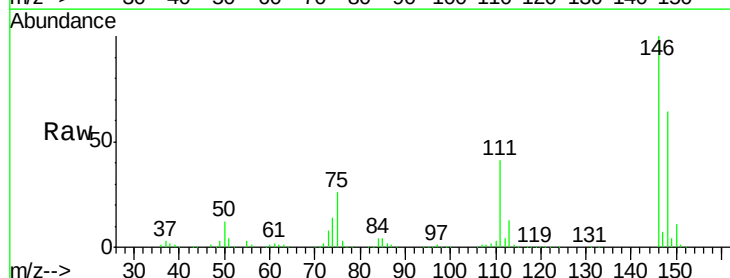


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

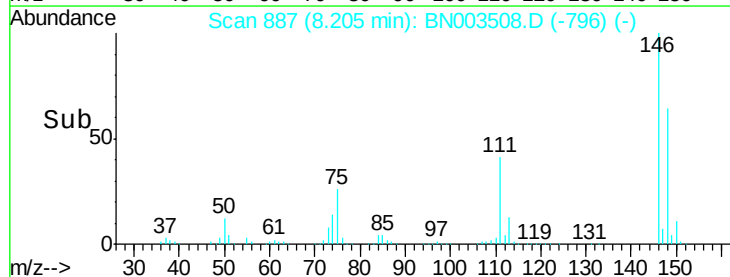
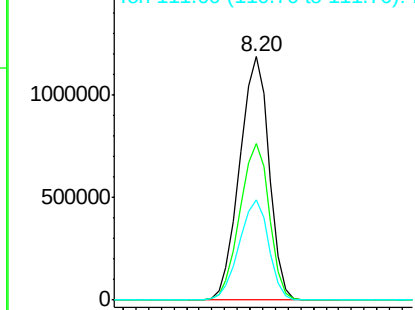


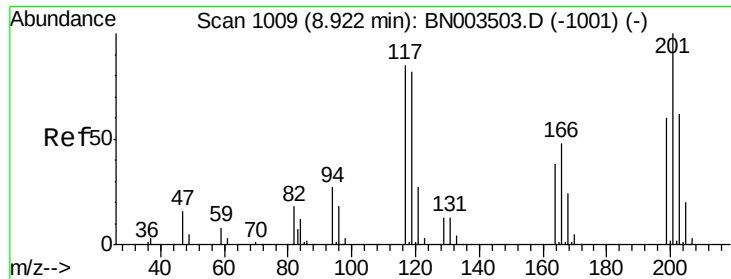
#14
 1,2-Dichlorobenzene
 Concen: 234.480 ng
 RT: 8.20 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:146 Resp: 1912915
 Ion Ratio Lower Upper
 146 100
 148 64.5 51.4 77.0
 111 41.1 32.6 48.8



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

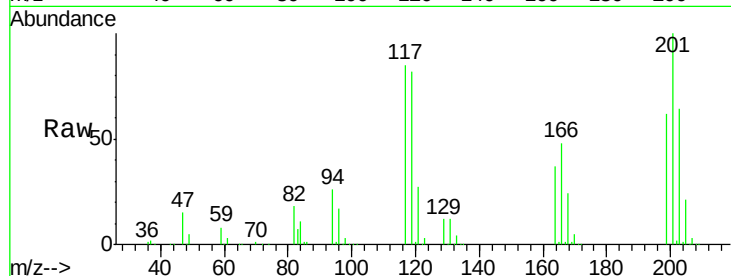




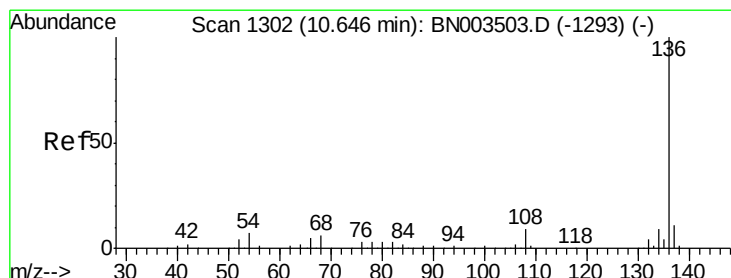
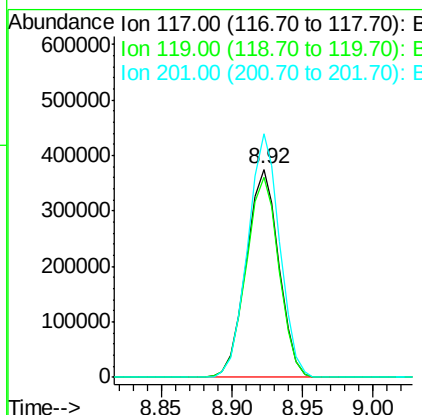
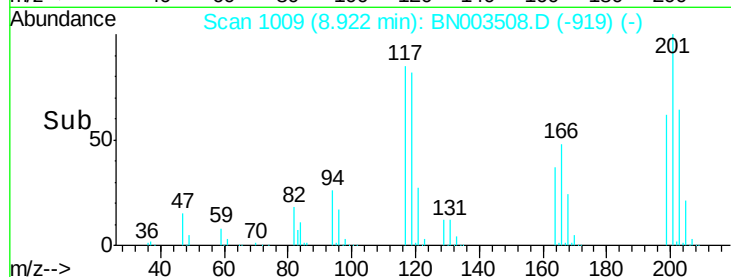
#18
Hexachloroethane
Concen: 221.405 ng
RT: 8.92 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

Tgt Ion:117 Resp: 607784
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7
201 117.1 93.6 140.4

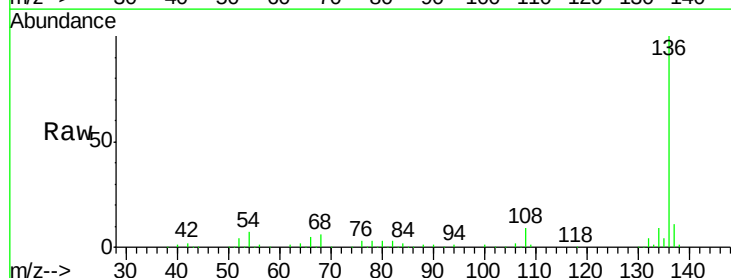


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

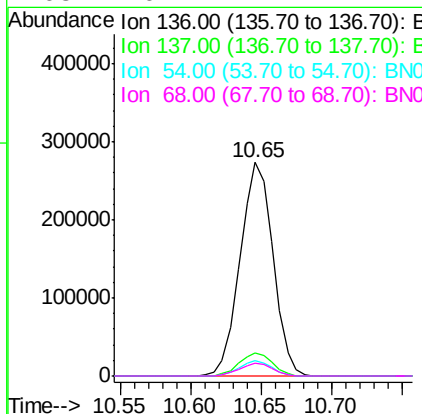
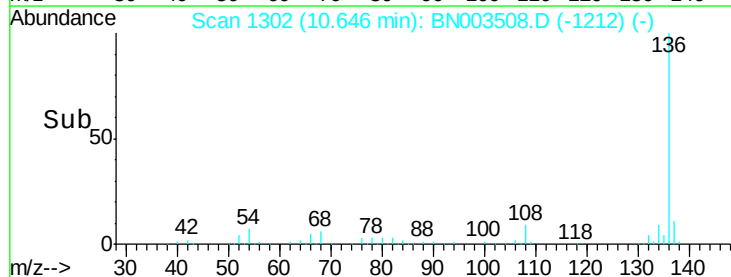


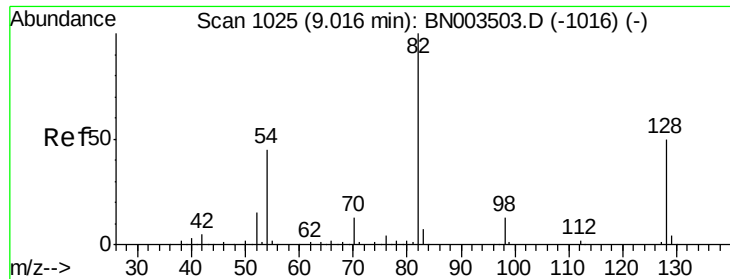
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion:136 Resp: 446197
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.1 5.7 8.5
68 6.2 4.7 7.1



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

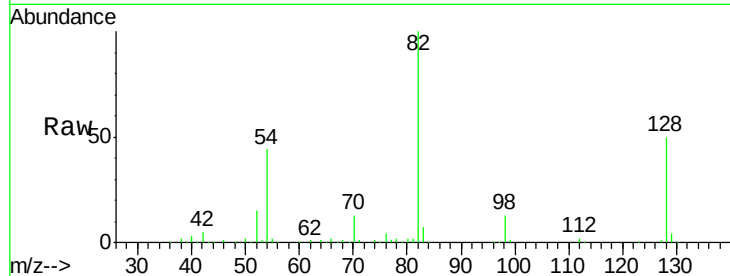




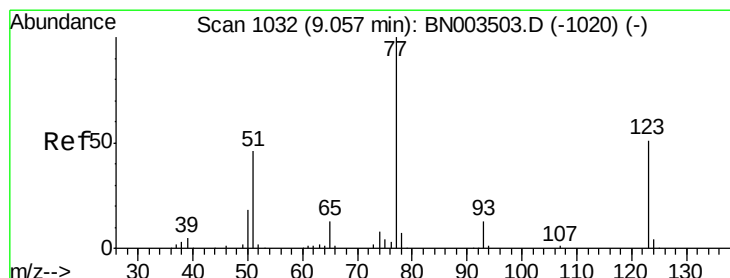
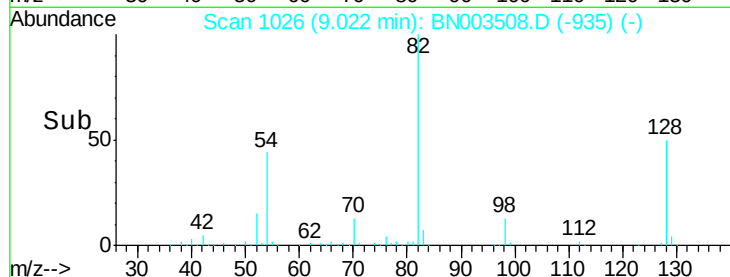
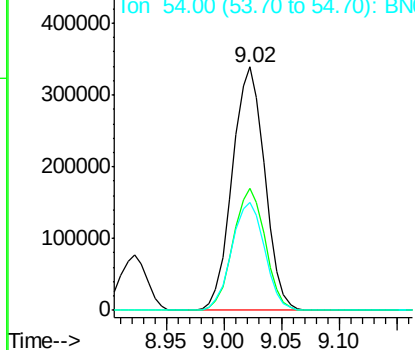
#23
 Nitrobenzene-d5
 Concen: 93.123 ng
 RT: 9.02 min Scan# 1026
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Tgt Ion: 82 Resp: 660103
 Ion Ratio Lower Upper
 82 100
 128 50.2 40.0 60.0
 54 44.4 36.1 54.1

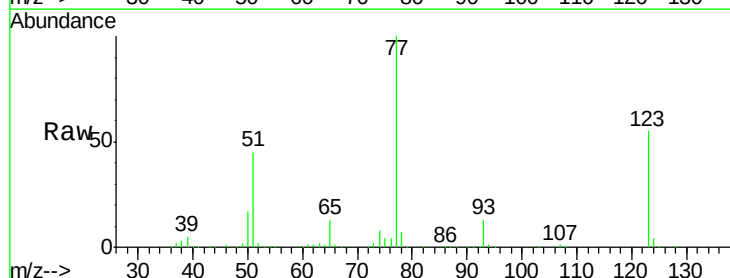


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BN0

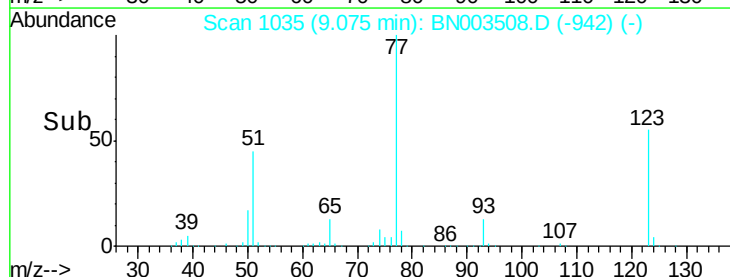
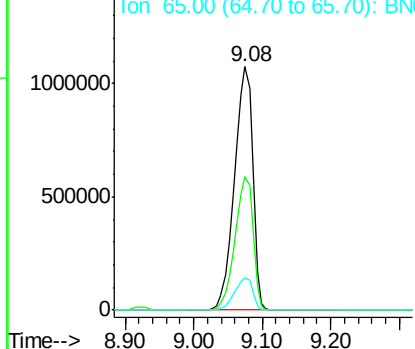


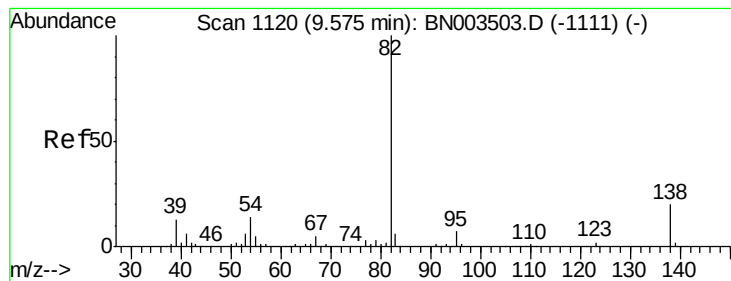
#24
 Nitrobenzene
 Concen: 271.112 ng
 RT: 9.08 min Scan# 1035
 Delta R.T. 0.02 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion: 77 Resp: 1972131
 Ion Ratio Lower Upper
 77 100
 123 54.9 41.0 61.4
 65 13.1 10.3 15.5



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





#25

Isophorone

Concen: 292.820 ng

RT: 9.59 min Scan# 1123

Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

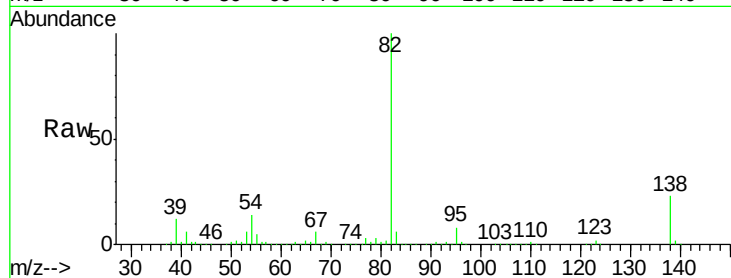
Tgt Ion: 82 Resp: 3594482

Ion Ratio Lower Upper

82 100

95 7.5 5.7 8.5

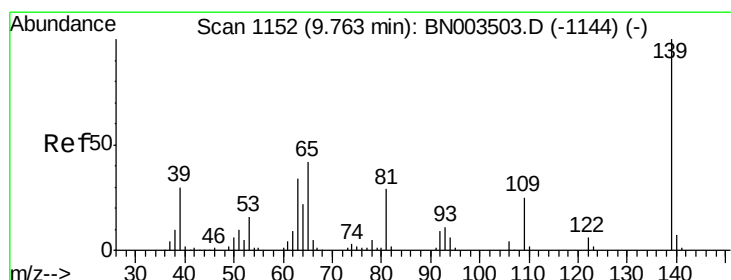
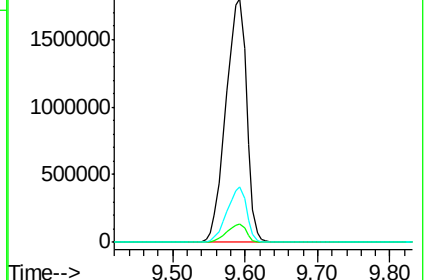
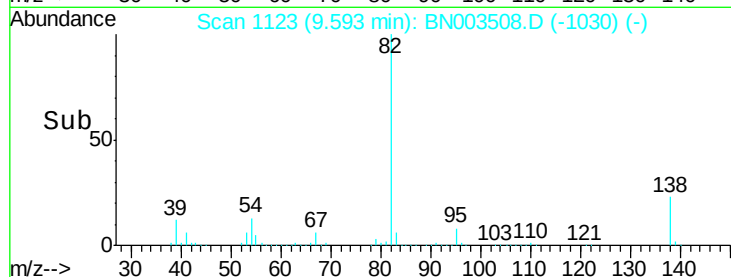
138 22.7 16.4 24.6



Abundance Ion 82.00 (81.70 to 82.70): BN003508.D (-1030) (-)

Ion 95.00 (94.70 to 95.70): BN003508.D (-1030) (-)

Ion 138.00 (137.70 to 138.70): BN003508.D (-1030) (-)



#26

2-Nitrophenol

Concen: 174.668 ng

RT: 9.78 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

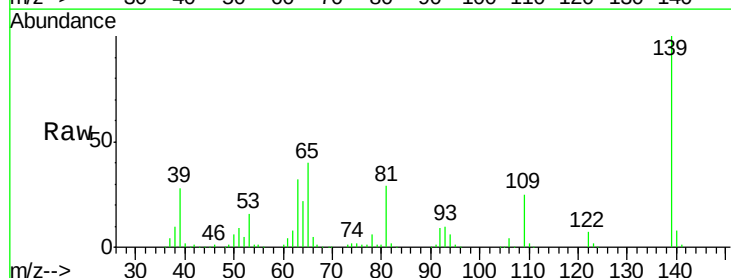
Tgt Ion: 139 Resp: 722371

Ion Ratio Lower Upper

139 100

109 25.4 20.4 30.6

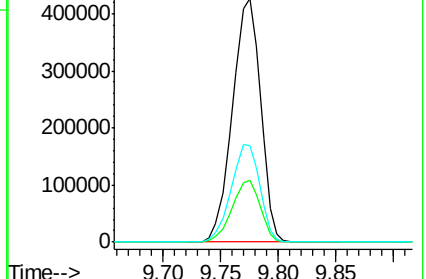
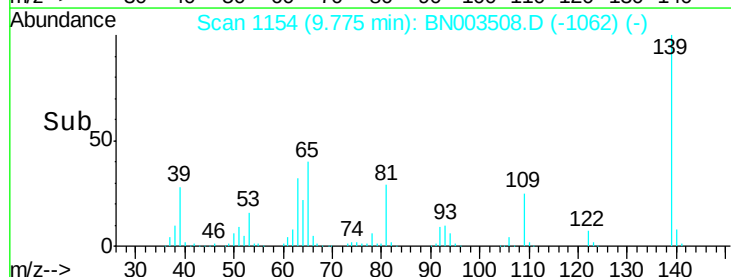
65 39.8 33.4 50.0

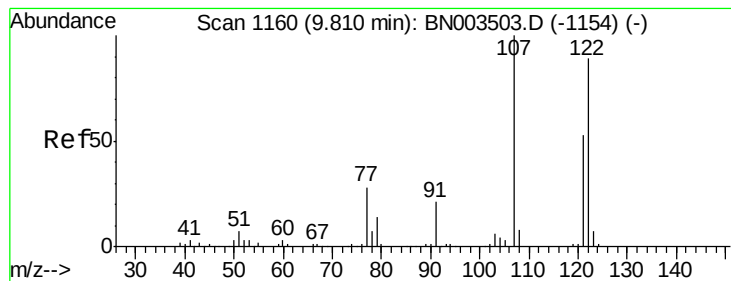


Abundance Ion 139.00 (138.70 to 139.70): BN003508.D (-1062) (-)

Ion 109.00 (108.70 to 109.70): BN003508.D (-1062) (-)

Ion 65.00 (64.70 to 65.70): BN003508.D (-1062) (-)





#27

2,4-Dimethylphenol

Concen: 7.832 ng

RT: 9.78 min Scan# 1154

Delta R.T. -0.04 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

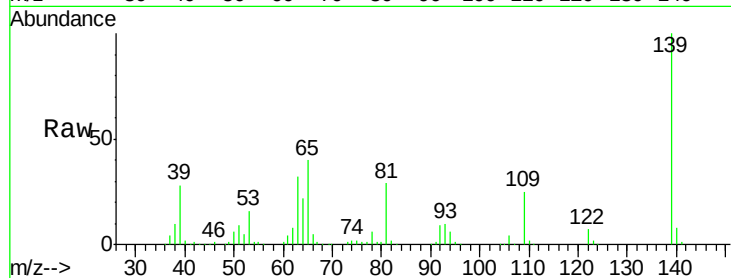
Tgt Ion: 122 Resp: 46294

Ion Ratio Lower Upper

122 100

107 5.1 88.6 132.8#

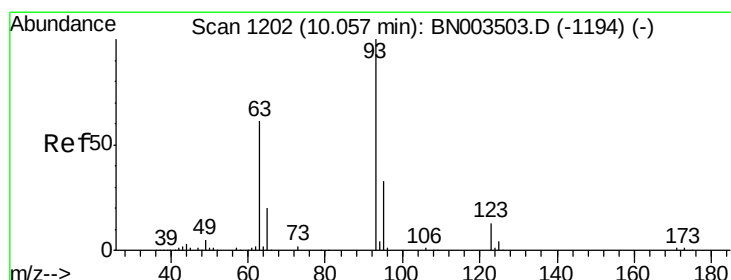
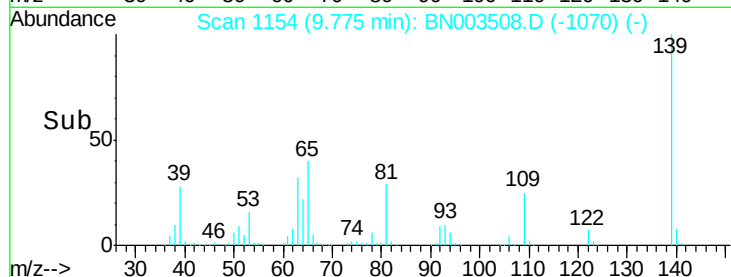
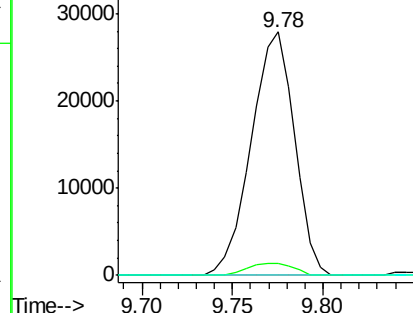
121 0.0 47.1 70.7#



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: 51.754 ng

RT: 10.06 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

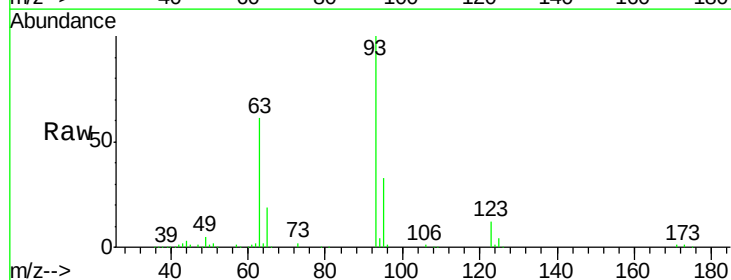
Tgt Ion: 93 Resp: 442320

Ion Ratio Lower Upper

93 100

95 32.9 26.4 39.6

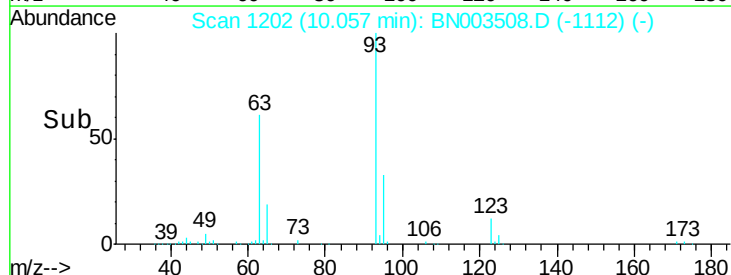
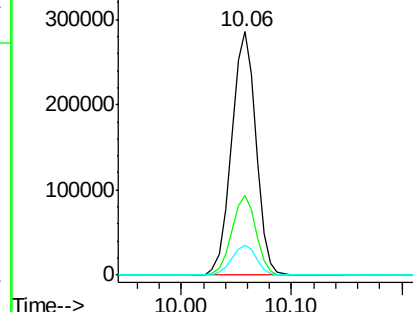
123 12.2 10.2 15.2

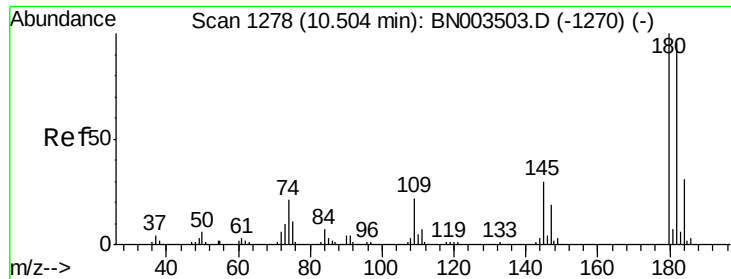


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): BNC

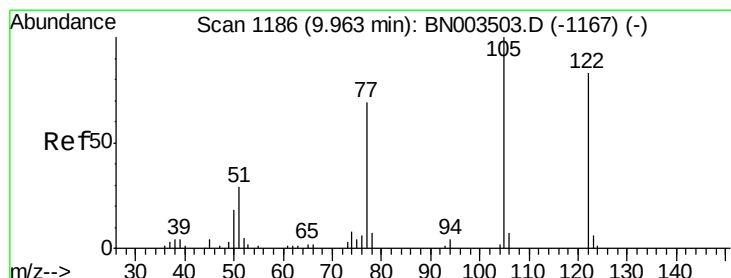
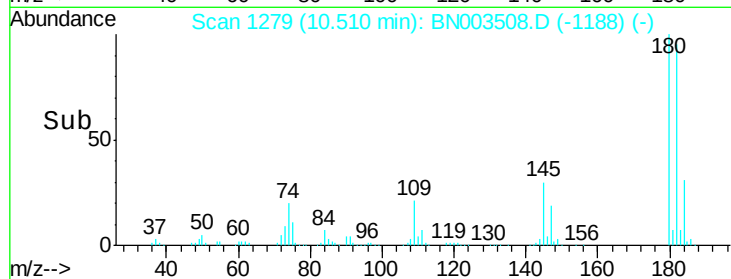
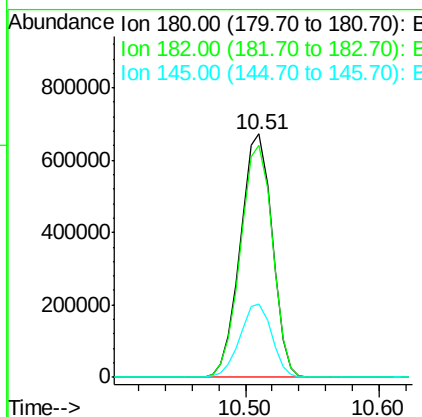
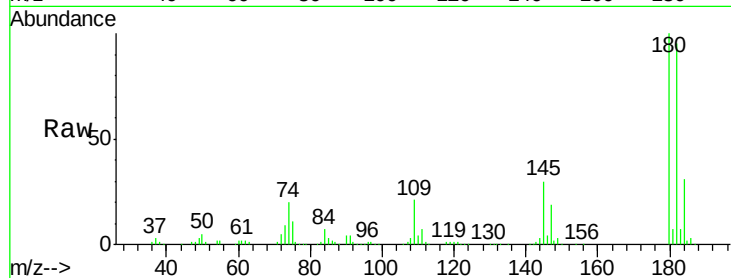




#30
 1,2,4-Trichlorobenzene
 Concen: 140.372 ng
 RT: 10.51 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

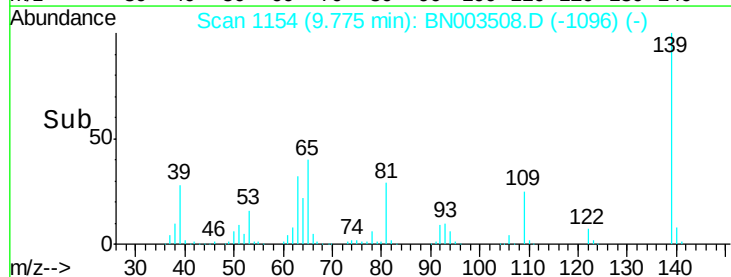
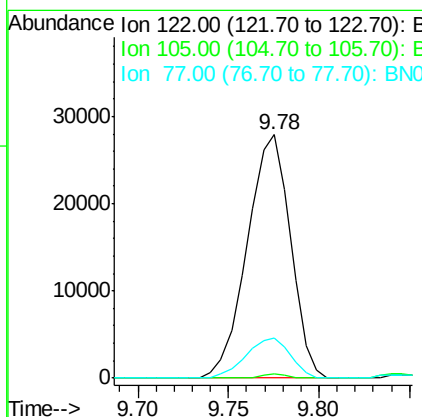
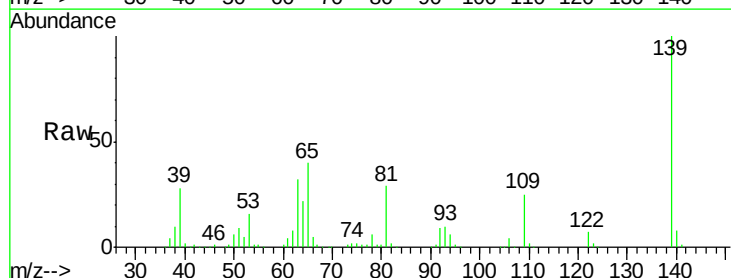
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

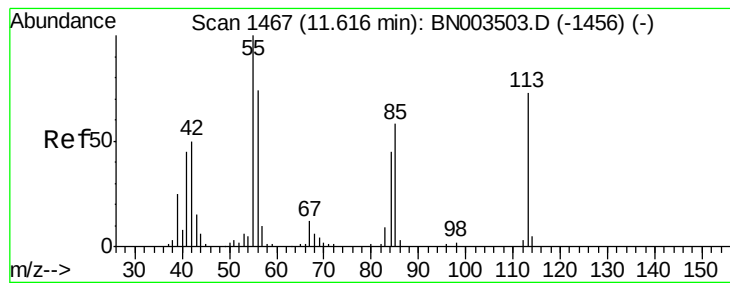
Tgt Ion:180 Resp: 1112781
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 115.0
 145 30.1 23.9 35.9



#32
 Benzoic acid
 Concen: 12.812 ng
 RT: 9.78 min Scan# 1154
 Delta R.T. -0.19 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:122 Resp: 46294
 Ion Ratio Lower Upper
 122 100
 105 1.6 98.4 138.4#
 77 16.7 62.2 102.2#





#35

Caprolactam

Concen: 15.340 ng

RT: 11.93 min Scan# 1520

Delta R.T. 0.31 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

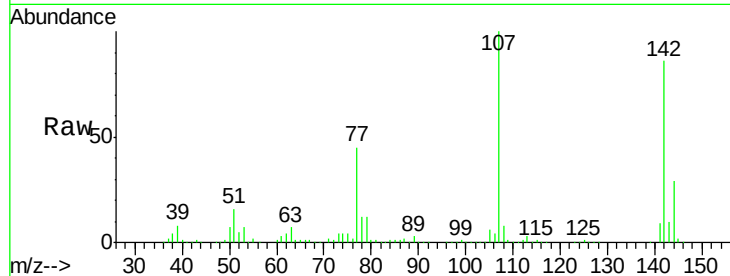
Tgt Ion:113 Resp: 37624

Ion Ratio Lower Upper

113 100

55 60.5 117.0 157.0#

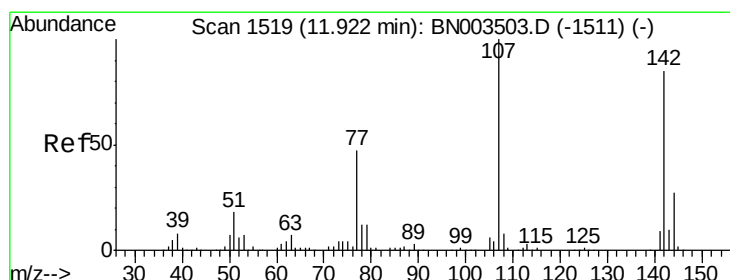
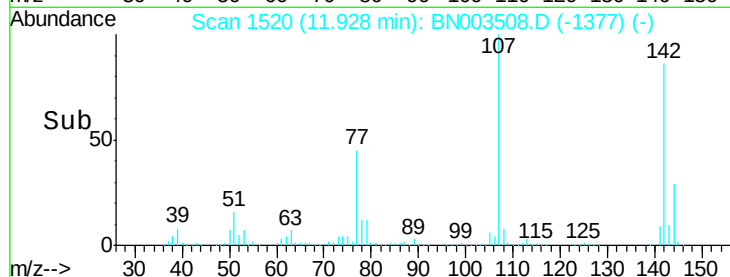
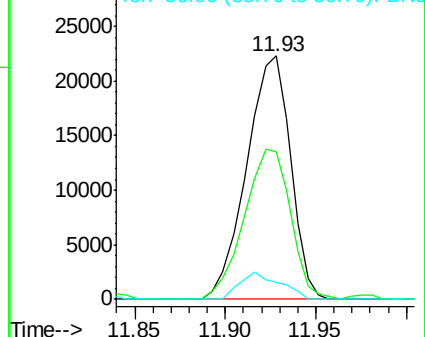
56 7.0 82.0 122.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC



#36

4-Chloro-3-methylphenol

Concen: 176.425 ng

RT: 11.93 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

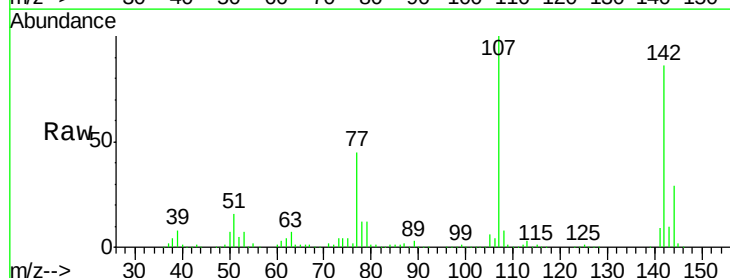
Tgt Ion:107 Resp: 1299883

Ion Ratio Lower Upper

107 100

144 28.6 22.0 33.0

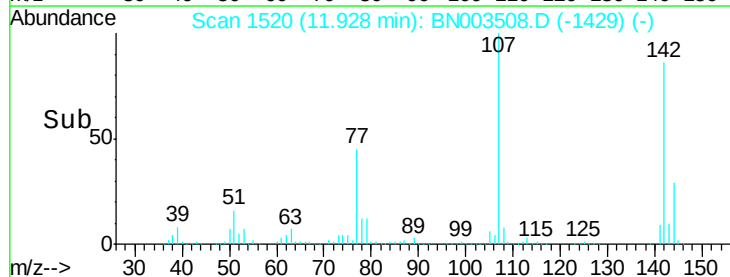
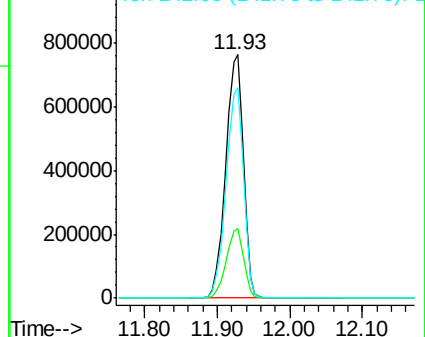
142 86.5 68.0 102.0

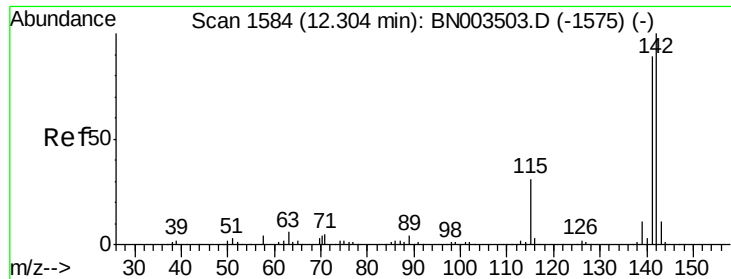


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

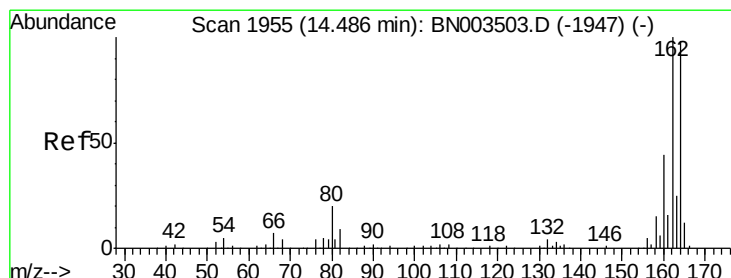
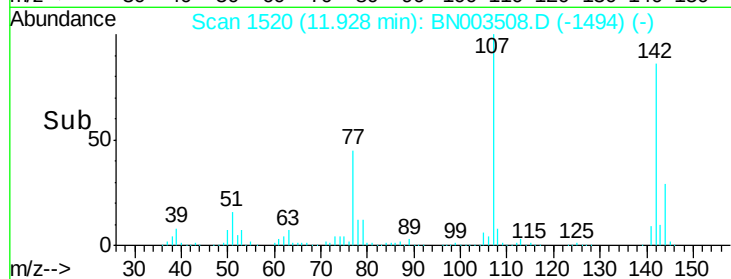
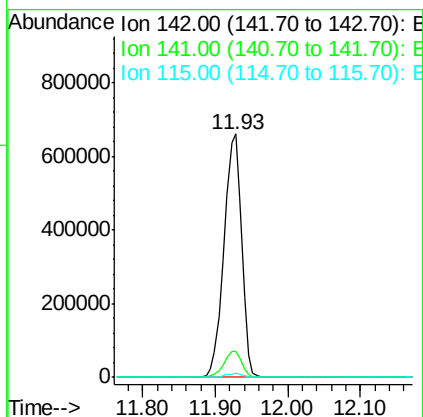
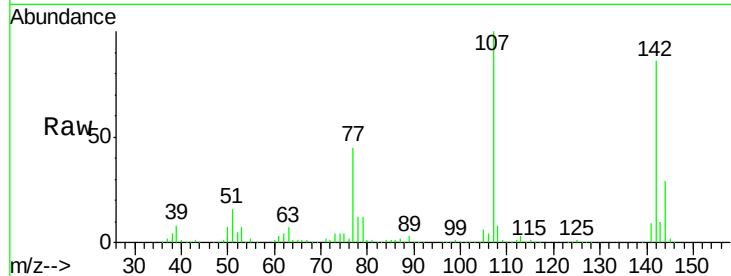




#37
 2-Methylnaphthalene
 Concen: 71.970 ng
 RT: 11.93 min Scan# 1520
 Delta R.T. -0.38 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

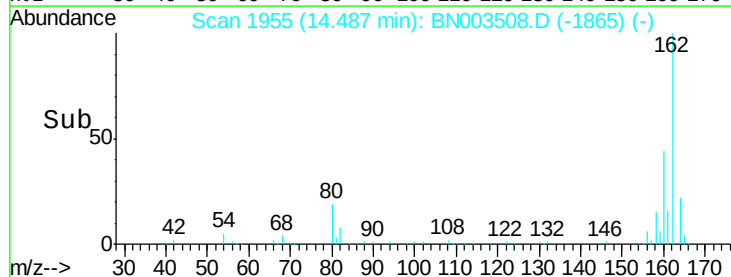
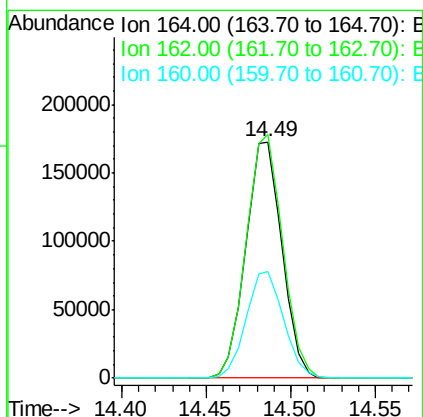
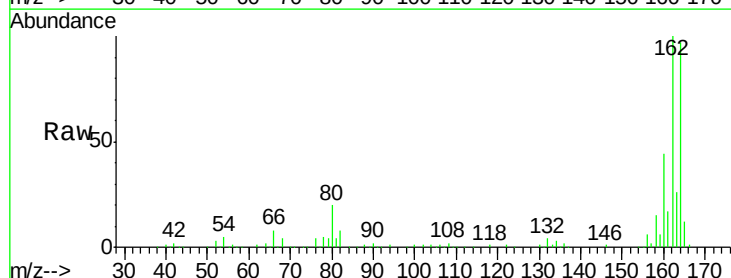
Instrument :
 BNA_N
 ClientSampled :
 PT-BNA-Soil

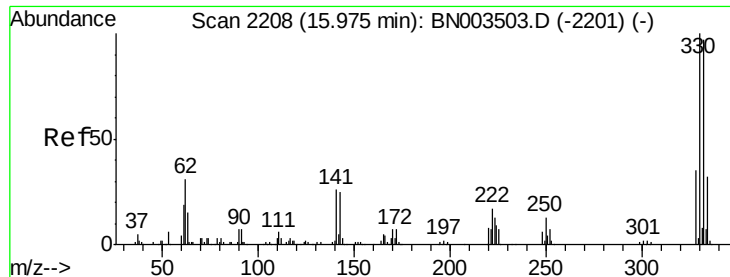
Tgt Ion:142 Resp: 1116401
 Ion Ratio Lower Upper
 142 100
 141 10.9 71.0 106.6#
 115 1.5 25.1 37.7#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.49 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:164 Resp: 257602
 Ion Ratio Lower Upper
 164 100
 162 103.0 81.8 122.6
 160 45.0 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 163.089 ng

RT: 15.97 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

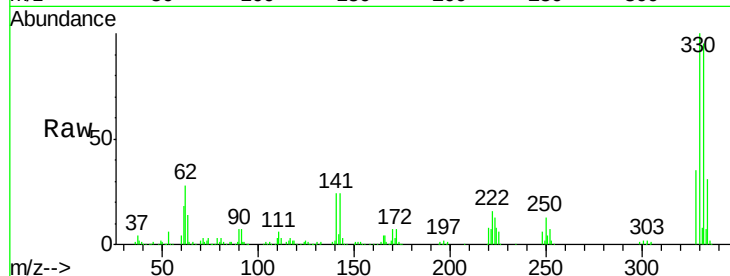
Tgt Ion:330 Resp: 626294

Ion Ratio Lower Upper

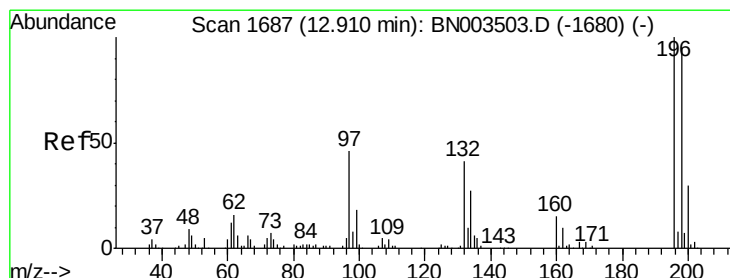
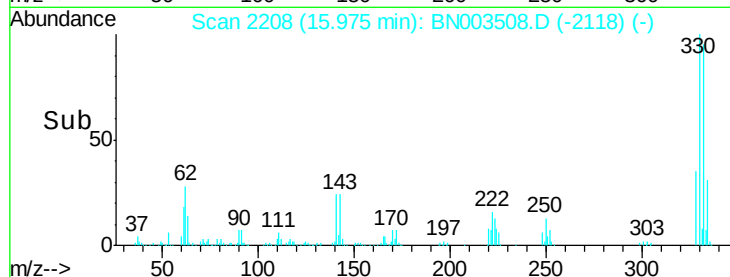
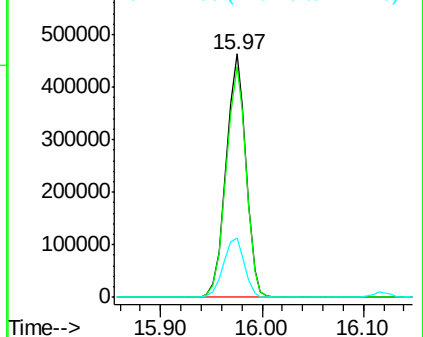
330 100

332 96.1 76.8 115.2

141 26.0 21.6 32.4



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: 132.172 ng

RT: 12.98 min Scan# 1699

Delta R.T. 0.07 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

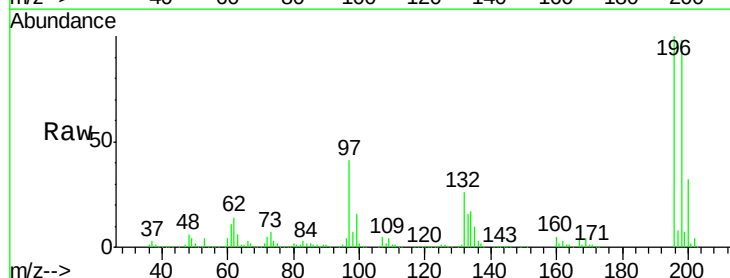
Tgt Ion:196 Resp: 759951

Ion Ratio Lower Upper

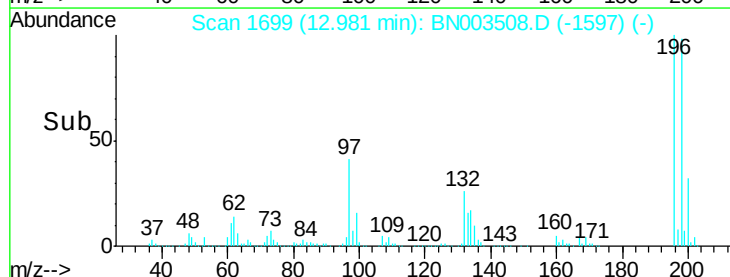
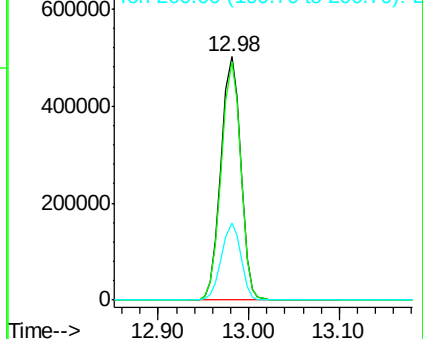
196 100

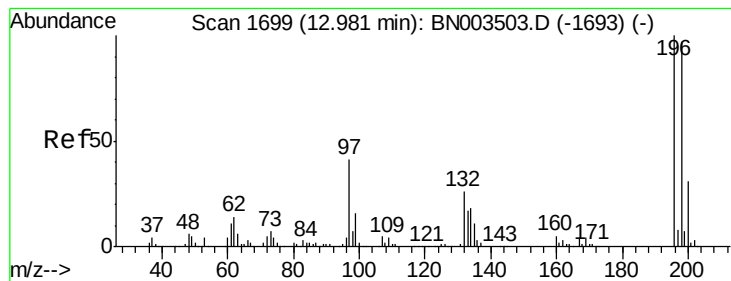
198 97.7 76.1 114.1

200 31.8 24.2 36.4



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

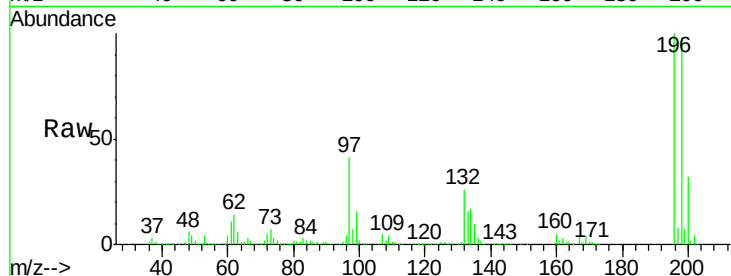




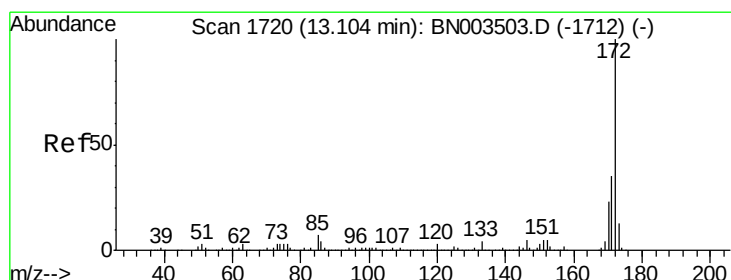
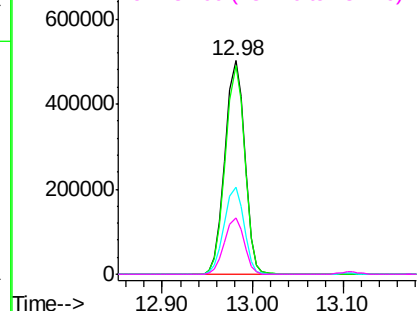
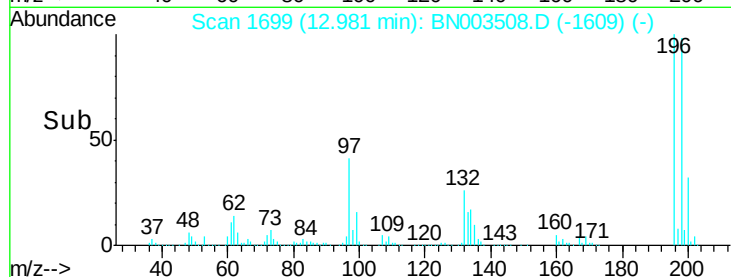
#44
 2,4,5-Trichlorophenol
 Concen: 123.906 ng
 RT: 12.98 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Tgt Ion:196 Resp: 759951
 Ion Ratio Lower Upper
 196 100
 198 97.7 77.6 116.4
 97 40.5 33.0 49.4
 132 26.5 21.1 31.7

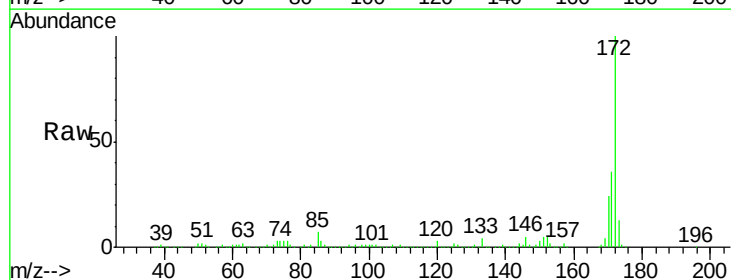


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BNC
 Ion 132.00 (131.70 to 132.70): E

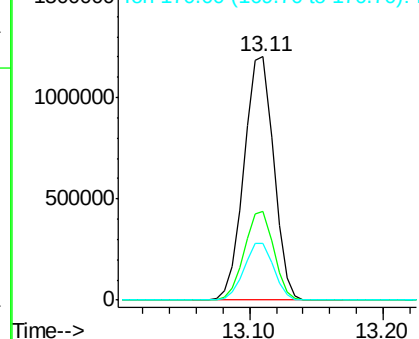
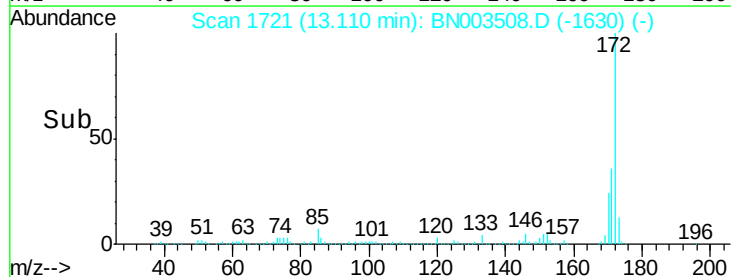


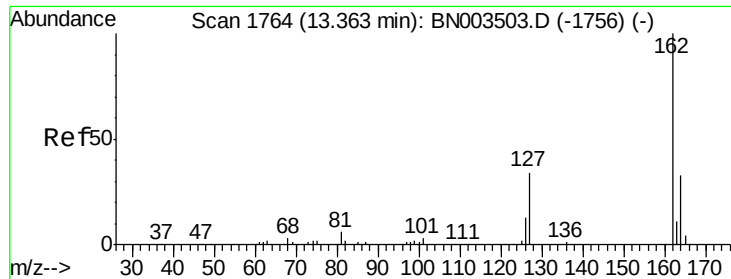
#45
 2-Fluorobiphenyl
 Concen: 95.424 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:172 Resp: 1841655
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.3 42.5
 170 23.5 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

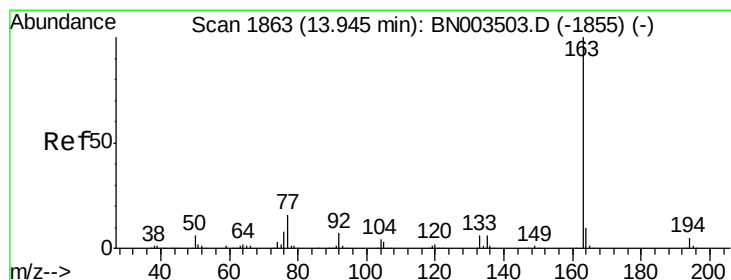
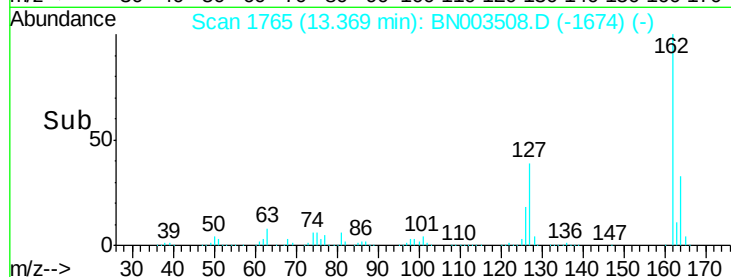
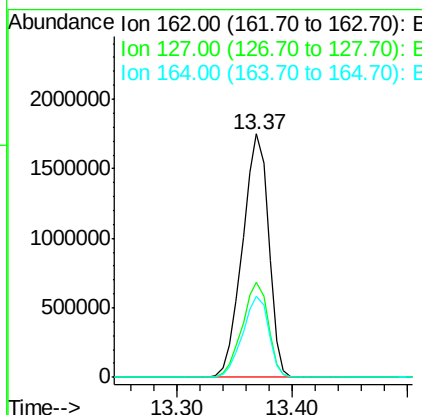
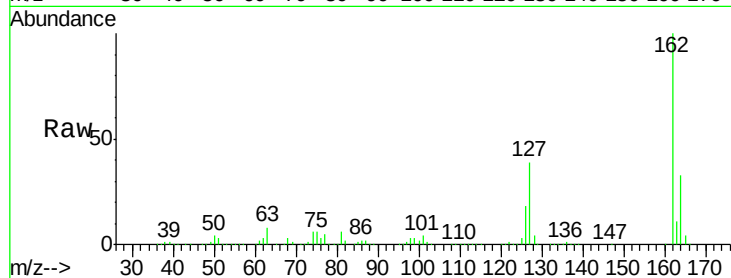




#47
 2-Chloronaphthalene
 Concen: 160.718 ng
 RT: 13.37 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

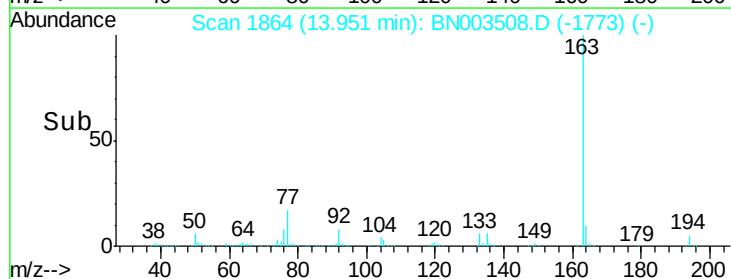
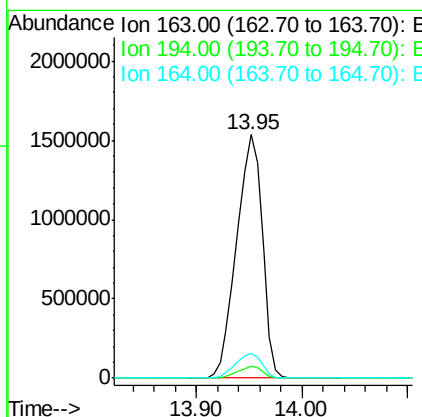
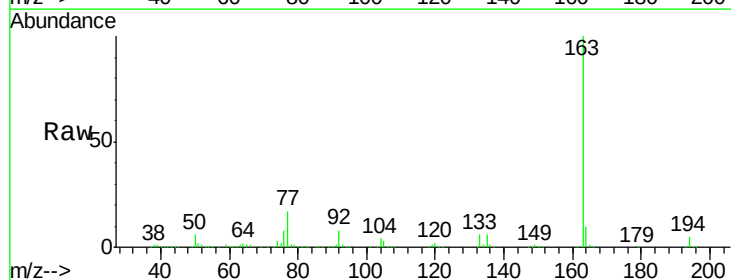
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

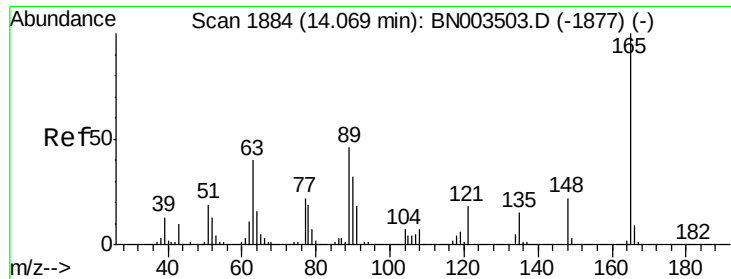
Tgt Ion:162 Resp: 2758887
 Ion Ratio Lower Upper
 162 100
 127 39.2 30.7 46.1
 164 33.2 26.1 39.1



#50
 Dimethylphthalate
 Concen: 128.030 ng
 RT: 13.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:163 Resp: 2583703
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.6 5.4
 164 10.3 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 183.652 ng

RT: 14.09 min Scan# 1887

Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

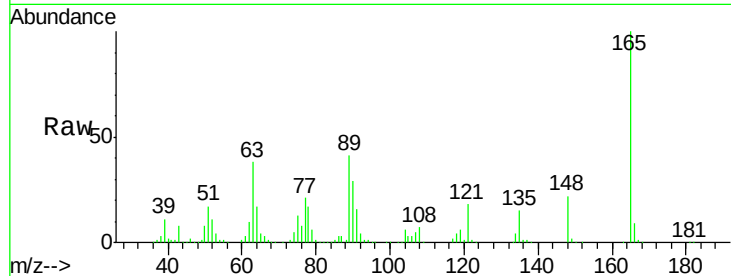
Tgt Ion:165 Resp: 865087

Ion Ratio Lower Upper

165 100

63 38.3 34.3 51.5

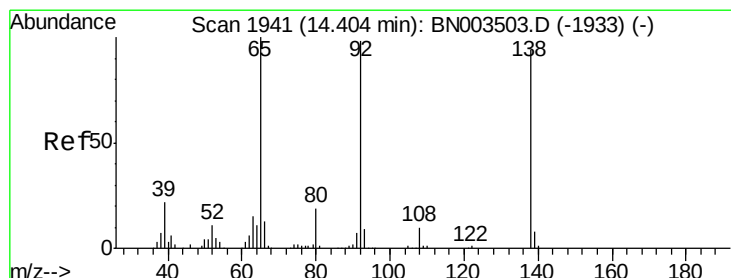
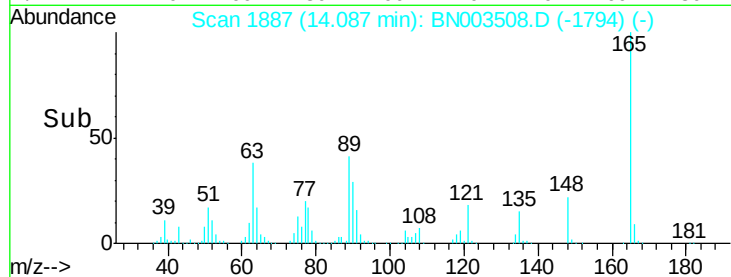
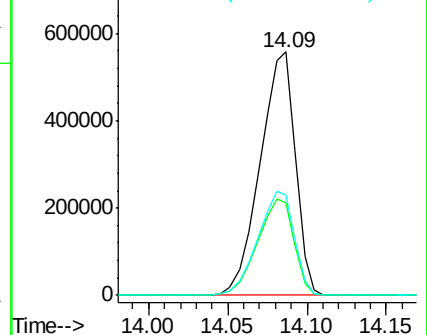
89 41.2 36.7 55.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC



#53

3-Nitroaniline

Concen: 10.869 ng

RT: 14.89 min Scan# 2024

Delta R.T. 0.49 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

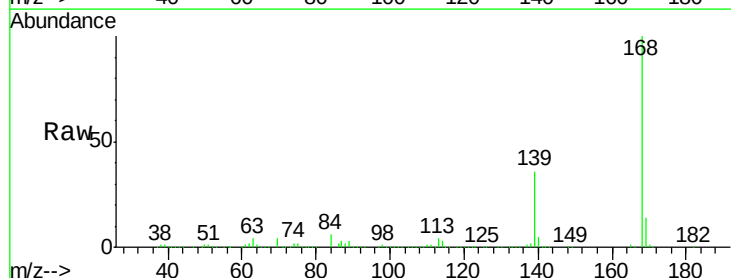
Tgt Ion:138 Resp: 54735

Ion Ratio Lower Upper

138 100

108 3.3 8.2 12.4#

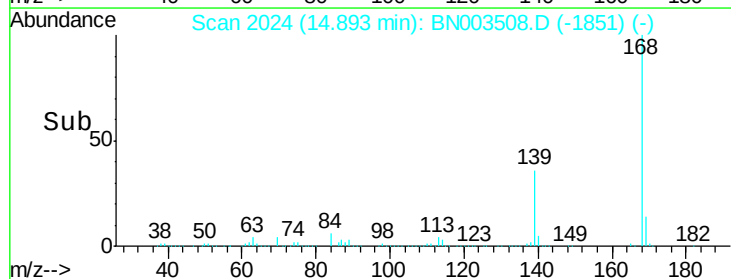
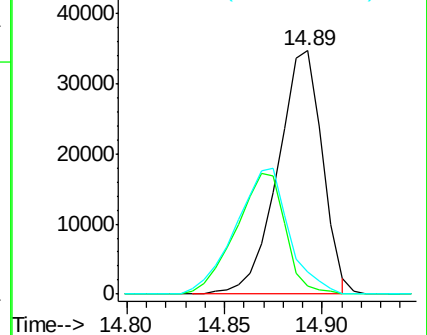
92 8.9 83.5 125.3#

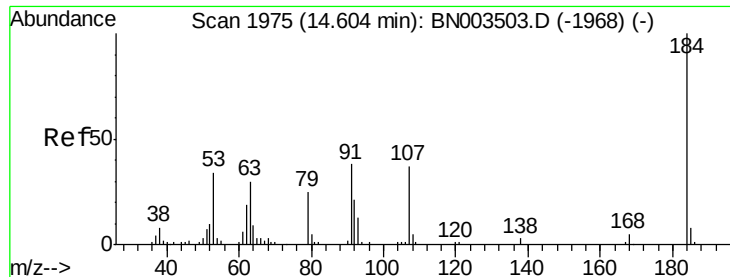


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

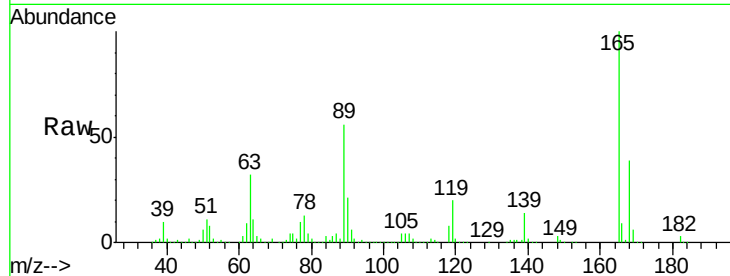




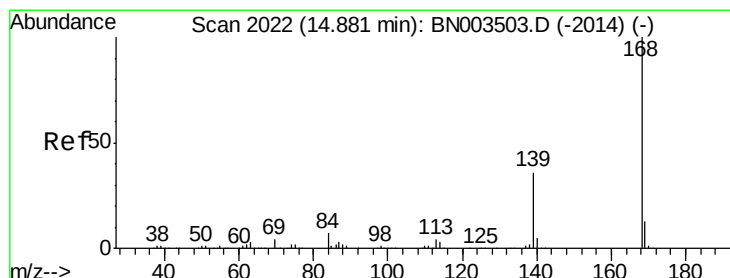
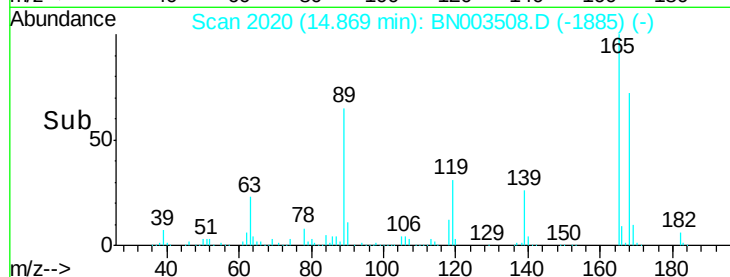
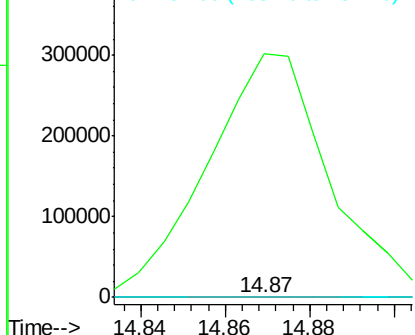
#54
 2,4-Dinitrophenol
 Concen: 7.996 ng
 RT: 14.87 min Scan# 2020
 Delta R.T. 0.27 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Tgt Ion:184 Resp: 407
 Ion Ratio Lower Upper
 184 100
 63 66320.9 37.8 56.8#
 154 0.0 41.9 62.9#

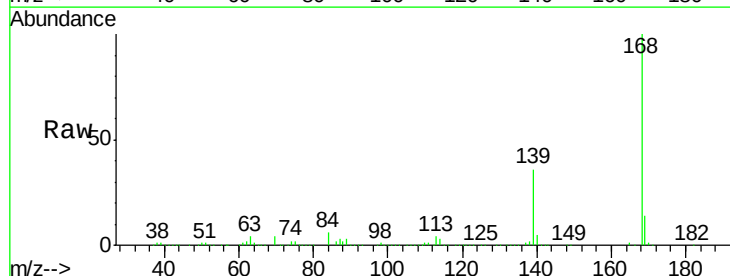


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 154.00 (153.70 to 154.70): E

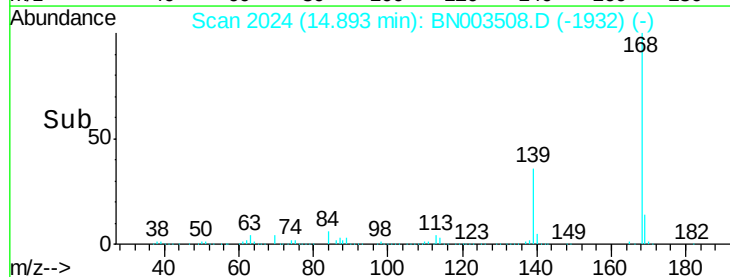
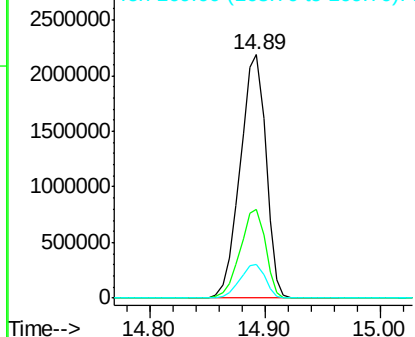


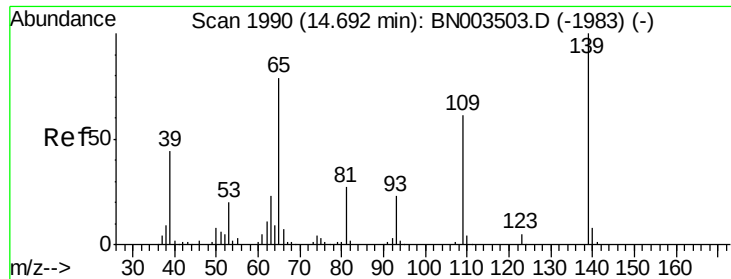
#55
 Dibenzofuran
 Concen: 133.756 ng
 RT: 14.89 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:168 Resp: 3384063
 Ion Ratio Lower Upper
 168 100
 139 36.5 28.7 43.1
 169 13.6 10.8 16.2



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

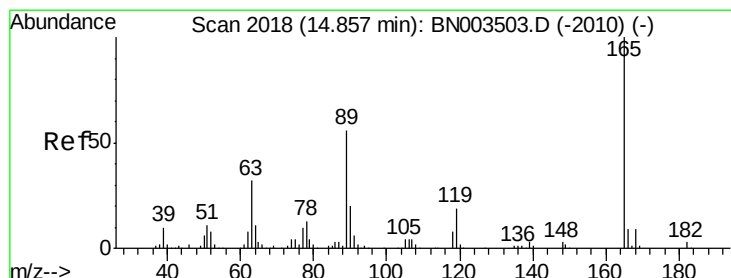
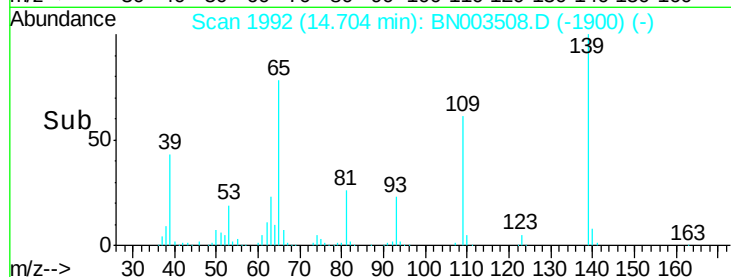
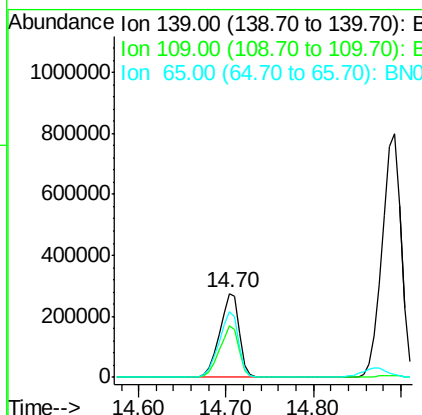
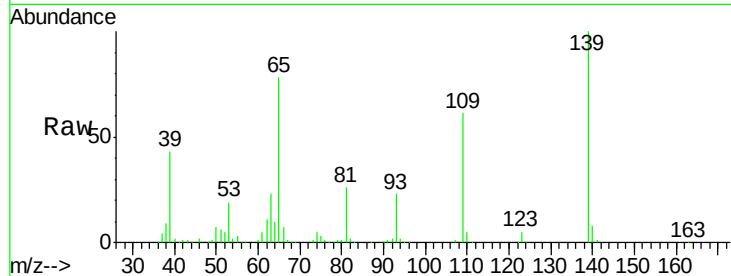




#56
4-Nitrophenol
Concen: 111.888 ng
RT: 14.70 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

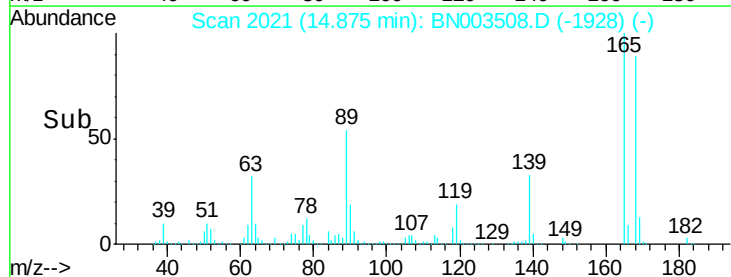
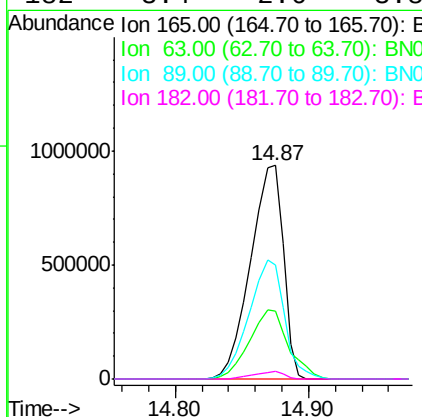
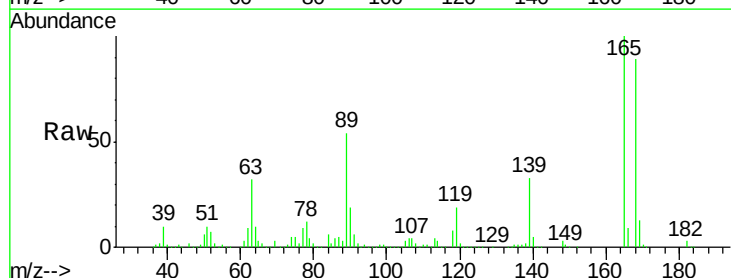
Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

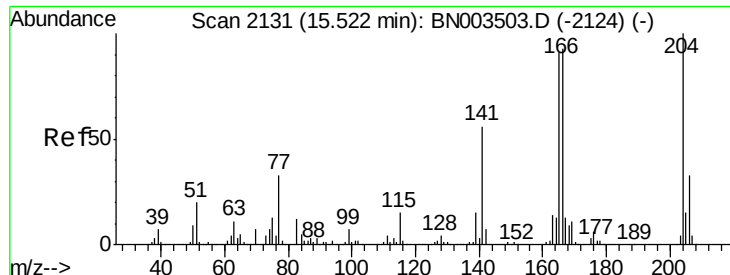
Tgt Ion:139 Resp: 430499
Ion Ratio Lower Upper
139 100
109 61.0 40.9 80.9
65 77.9 59.4 99.4



#57
2,4-Dinitrotoluene
Concen: 250.440 ng
RT: 14.87 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion:165 Resp: 1594519
Ion Ratio Lower Upper
165 100
63 31.8 25.4 38.2
89 53.6 44.7 67.1
182 3.4 2.6 3.8

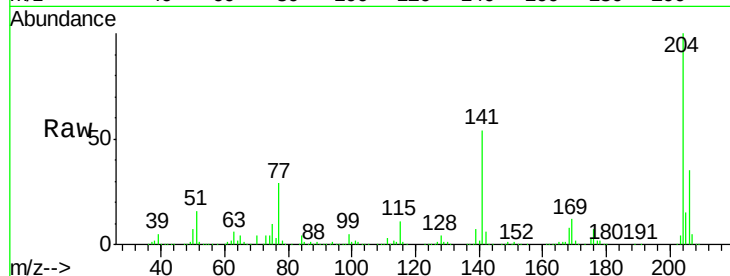




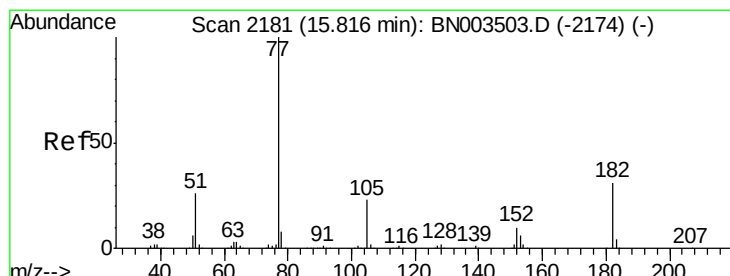
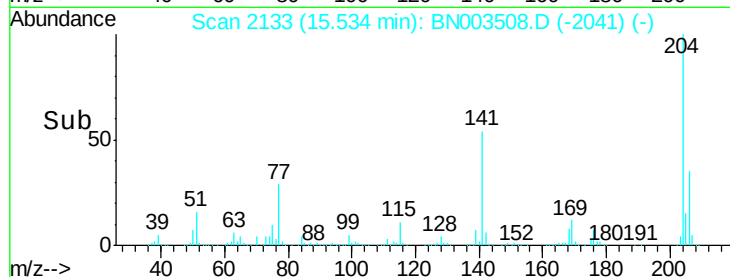
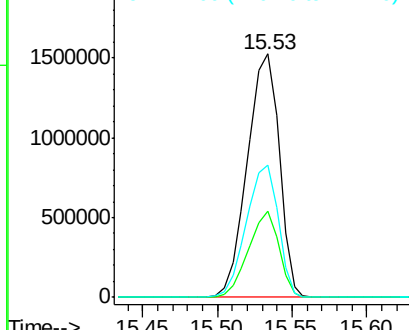
#61
4-Chlorophenyl-phenylether
Concen: 204.873 ng
RT: 15.53 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampled :
PT-BNA-Soil

Tgt Ion: 204 Resp: 2254843
Ion Ratio Lower Upper
204 100
206 35.1 26.5 39.7
141 54.2 44.4 66.6

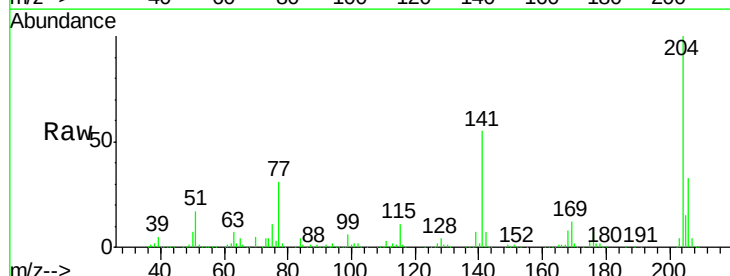


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

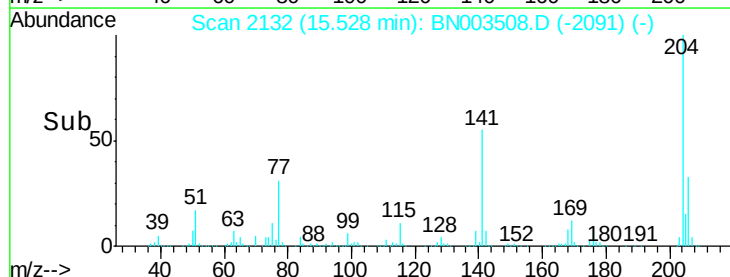
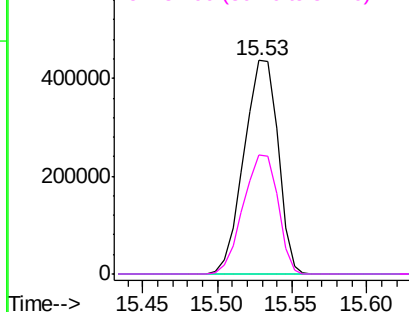


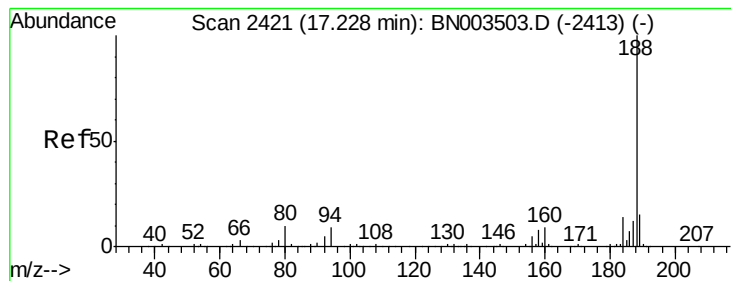
#63
Azobenzene
Concen: 39.500 ng
RT: 15.53 min Scan# 2132
Delta R.T. -0.29 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion: 77 Resp: 688435
Ion Ratio Lower Upper
77 100
182 0.0 11.4 51.4#
105 0.2 3.2 43.2#
51 55.9 5.8 45.8#



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BNC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

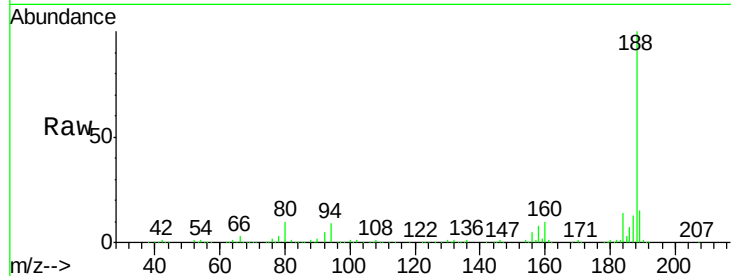
Tgt Ion:188 Resp: 554149

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

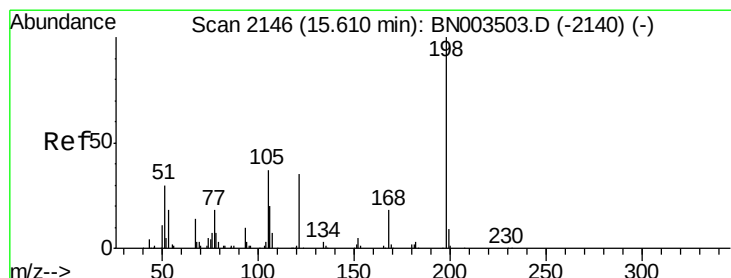
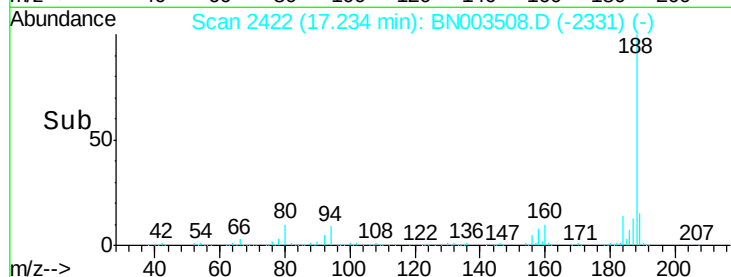
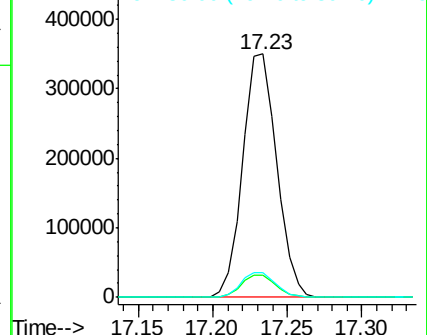
80 10.2 8.2 12.2



Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.255 ng

RT: 15.97 min Scan# 2208

Delta R.T. 0.37 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

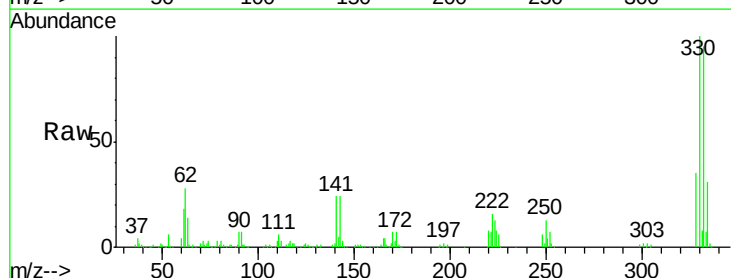
Tgt Ion:198 Resp: 1352

Ion Ratio Lower Upper

198 100

51 95.3 13.8 53.8#

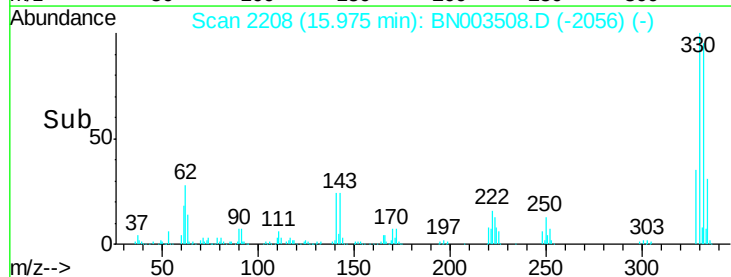
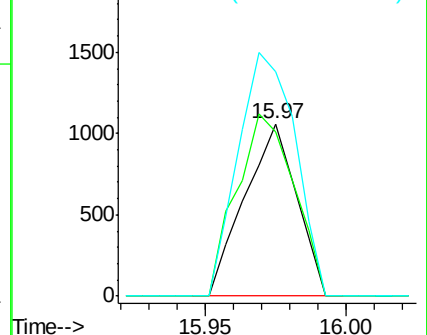
105 130.2 18.3 58.3#

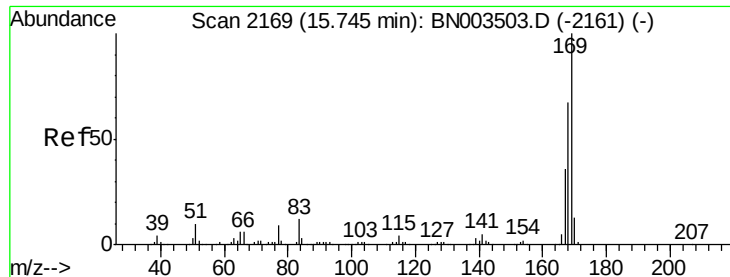


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

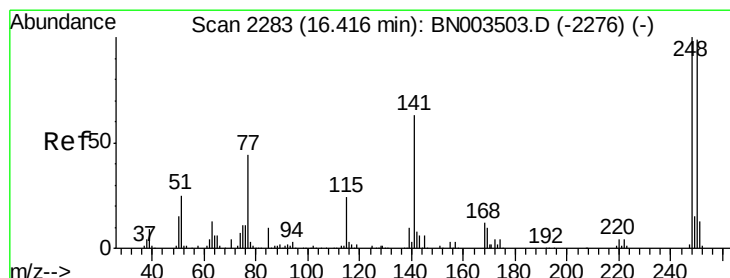
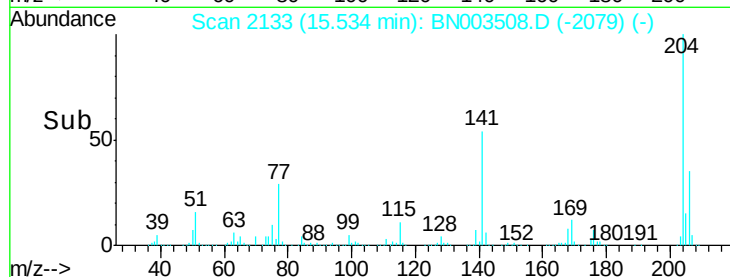
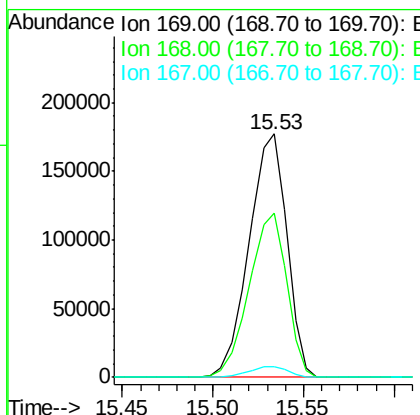
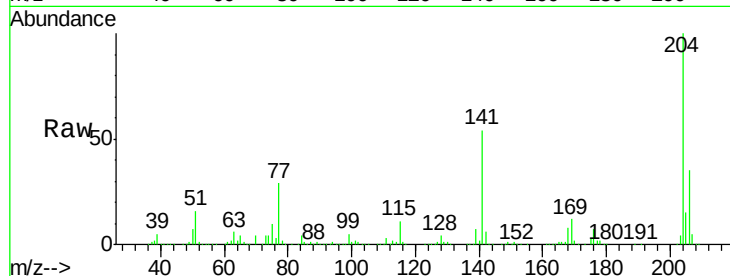




#66
 n-Nitrosodiphenylamine
 Concen: 14.646 ng
 RT: 15.53 min Scan# 2133
 Delta R.T. -0.21 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

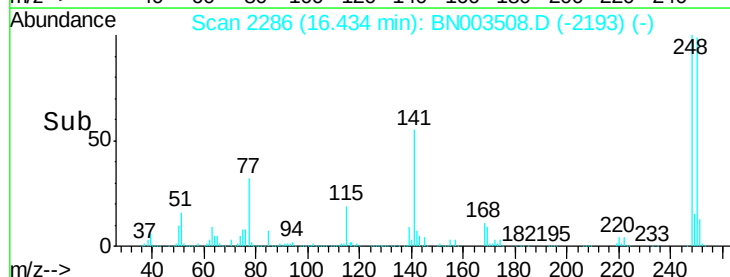
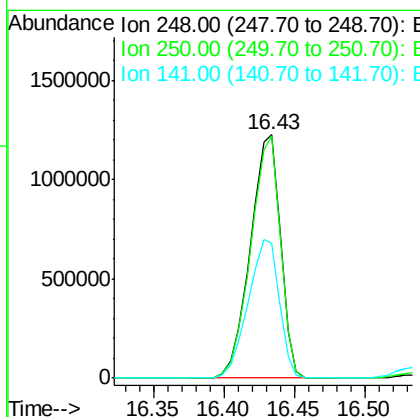
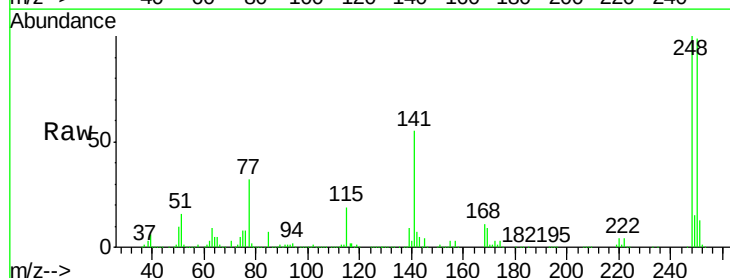
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

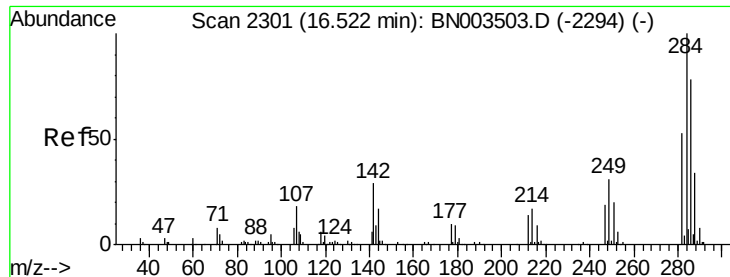
Tgt Ion:169 Resp: 257059
 Ion Ratio Lower Upper
 169 100
 168 67.5 54.0 81.0
 167 4.6 29.0 43.4#



#67
 4-Bromophenyl-phenylether
 Concen: 264.671 ng
 RT: 16.43 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:248 Resp: 1849973
 Ion Ratio Lower Upper
 248 100
 250 99.3 79.0 118.6
 141 55.2 50.7 76.1





#68

Hexachlorobenzene

Concen: 320.139 ng

RT: 16.55 min Scan# 2305

Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

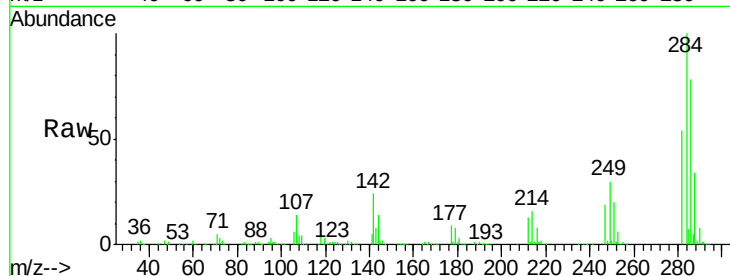
Tgt Ion:284 Resp: 2604393

Ion Ratio Lower Upper

284 100

142 24.2 23.6 35.4

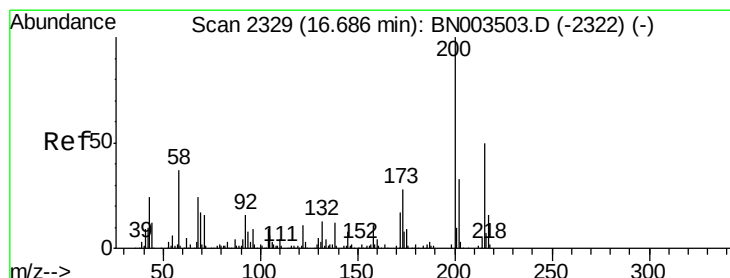
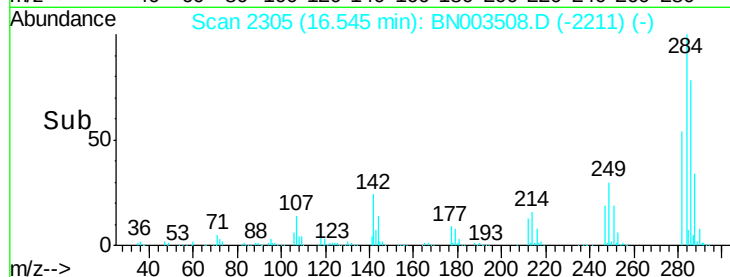
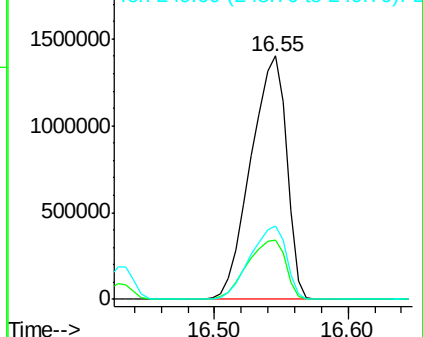
249 30.2 24.7 37.1



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: 42.011 ng

RT: 16.88 min Scan# 2362

Delta R.T. 0.19 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

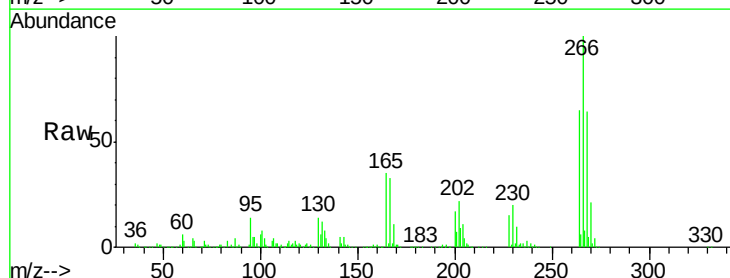
Tgt Ion:200 Resp: 275822

Ion Ratio Lower Upper

200 100

173 0.0 7.6 47.6#

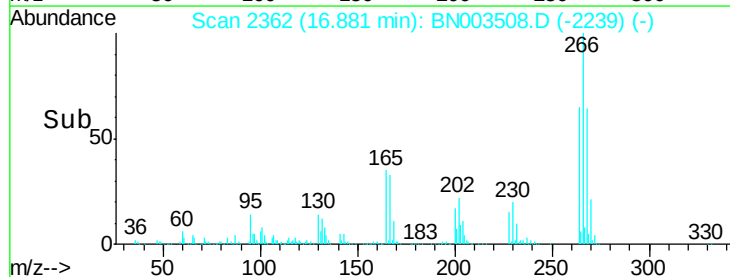
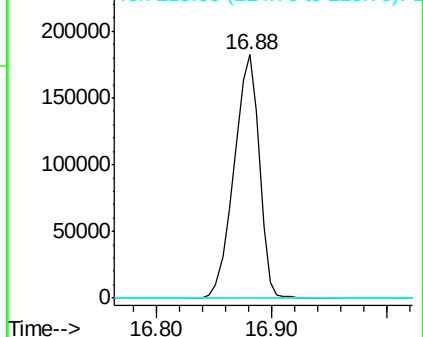
215 0.0 30.0 70.0#

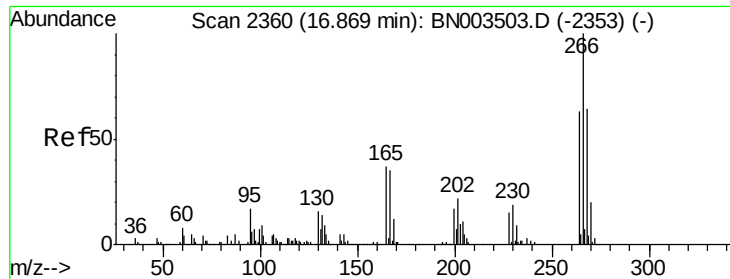


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

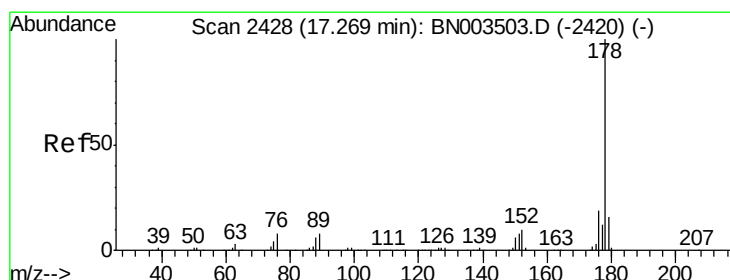
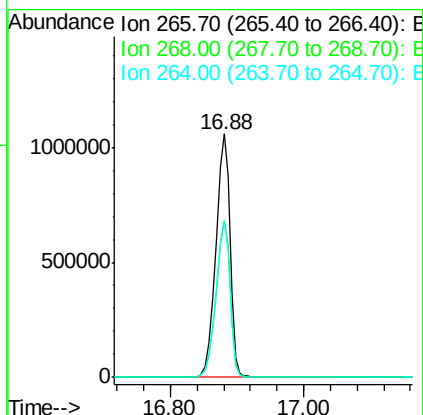
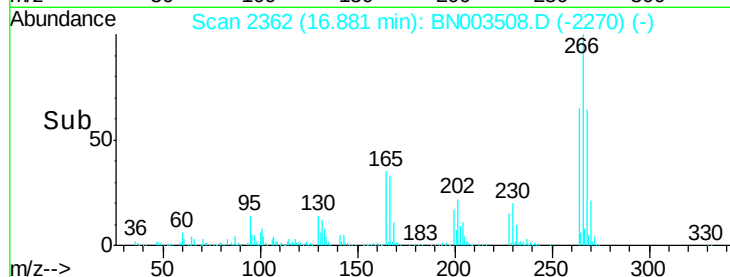
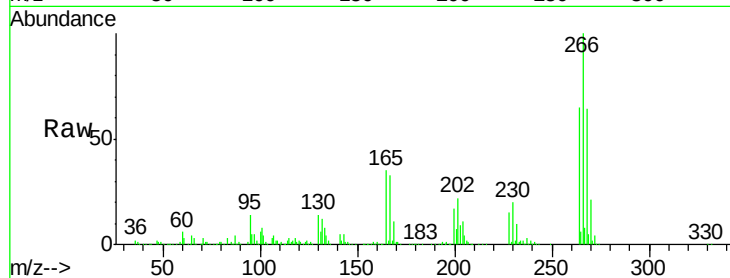




#70
 Pentachlorophenol
 Concen: 294.991 ng
 RT: 16.88 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

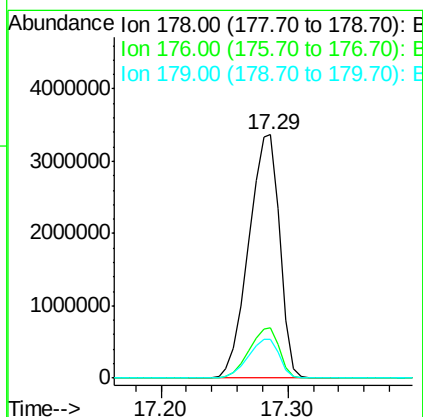
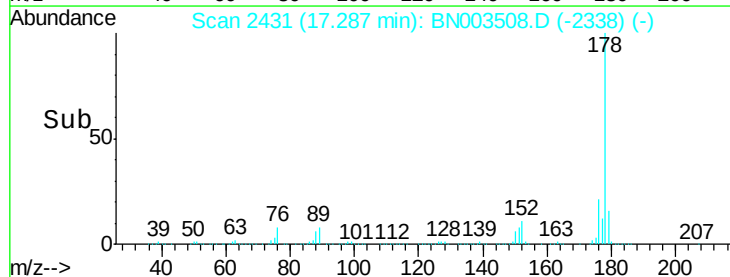
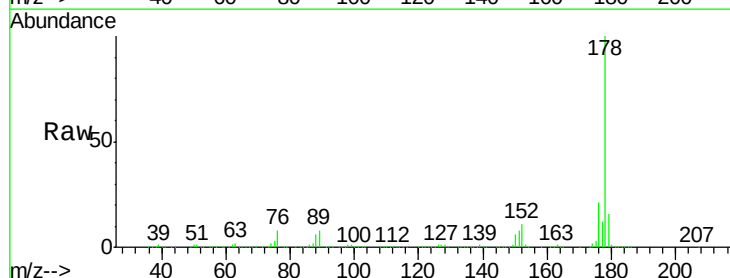
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

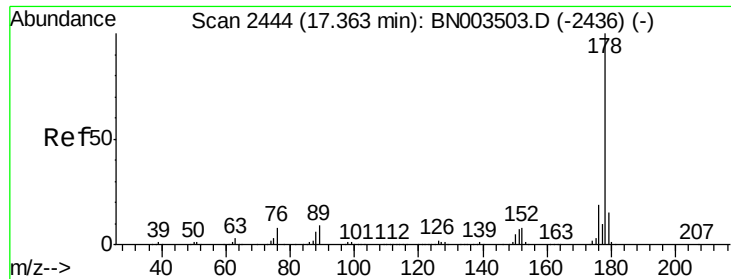
Tgt Ion:266 Resp: 1599450
 Ion Ratio Lower Upper
 266 100
 268 64.3 51.0 76.4
 264 64.5 50.1 75.1



#71
 Phenanthrene
 Concen: 197.399 ng
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.02 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Tgt Ion:178 Resp: 5714591
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.2 22.8
 179 16.2 12.5 18.7





#72

Anthracene

Concen: 201.954 ng

RT: 17.29 min Scan# 2431

Delta R.T. -0.08 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

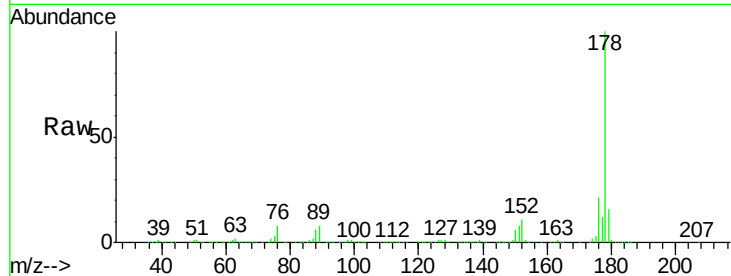
Tgt Ion:178 Resp: 5714591

Ion Ratio Lower Upper

178 100

176 20.7 14.8 22.2

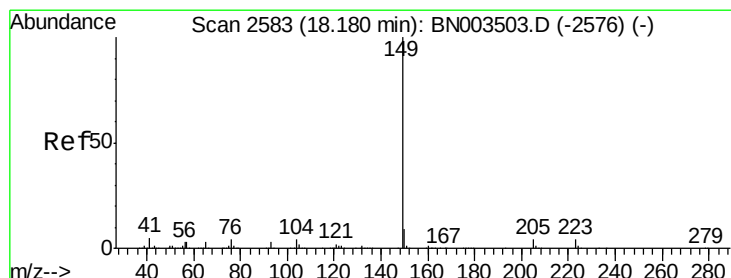
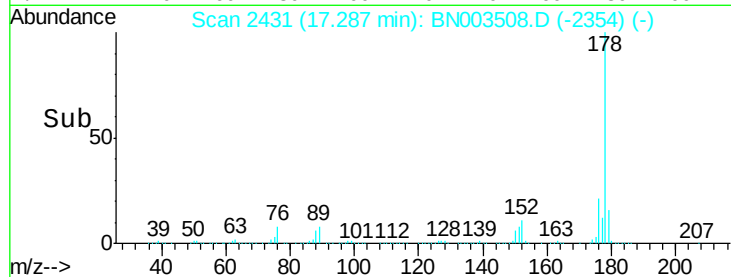
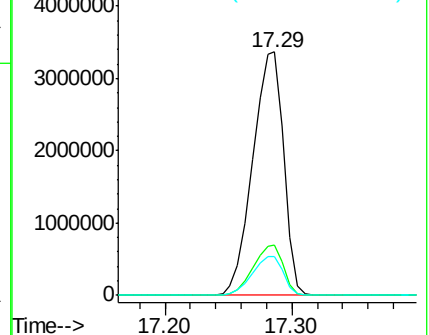
179 16.2 12.3 18.5



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



#74

Di-n-butylphthalate

Concen: 54.940 ng

RT: 18.18 min Scan# 2583

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

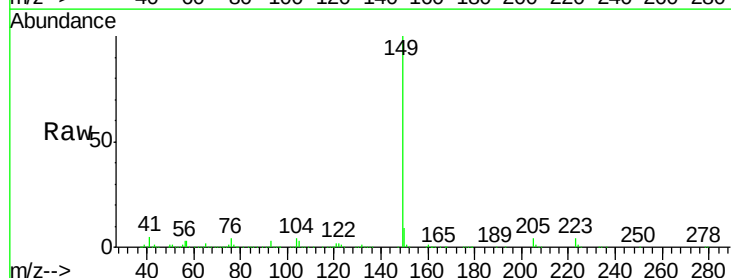
Tgt Ion:149 Resp: 1800282

Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

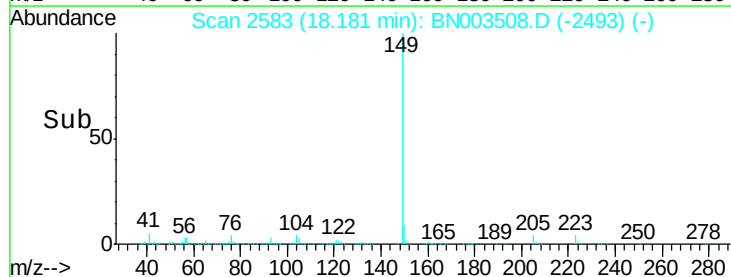
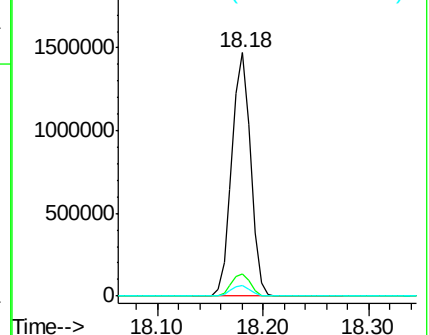
104 4.4 3.4 5.2

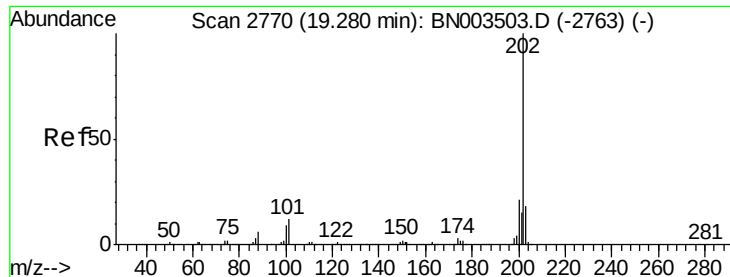


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 230.641 ng

RT: 19.66 min Scan# 2835

Delta R.T. 0.38 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

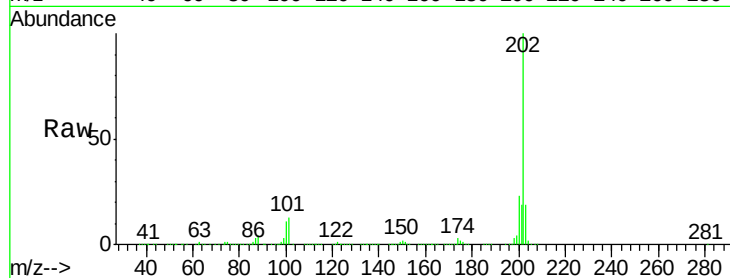
Tgt Ion:202 Resp: 7197558

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.8

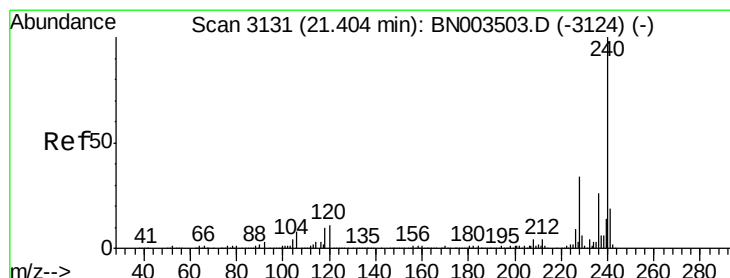
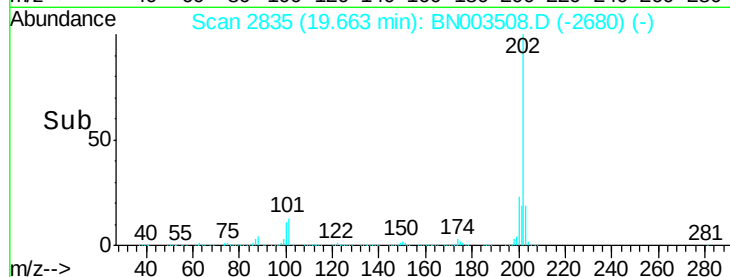
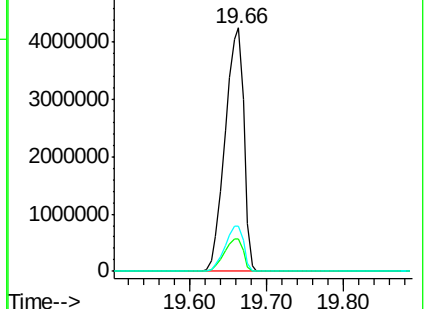
203 18.5 0.0 37.7



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: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

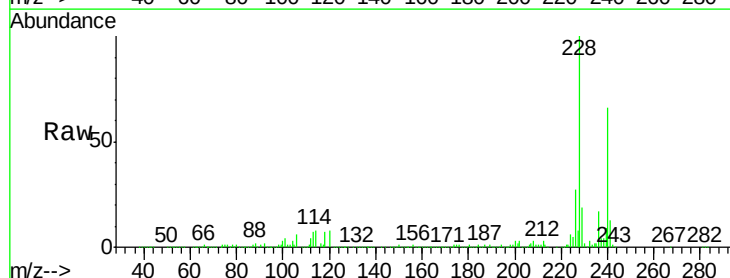
Tgt Ion:240 Resp: 436078

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

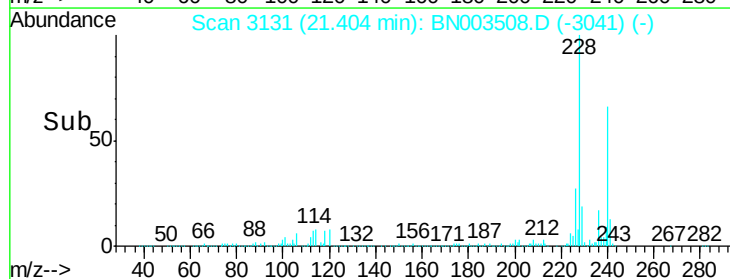
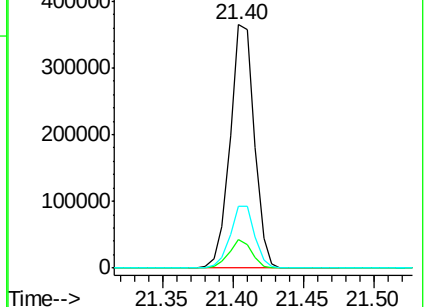
236 25.2 20.6 30.8

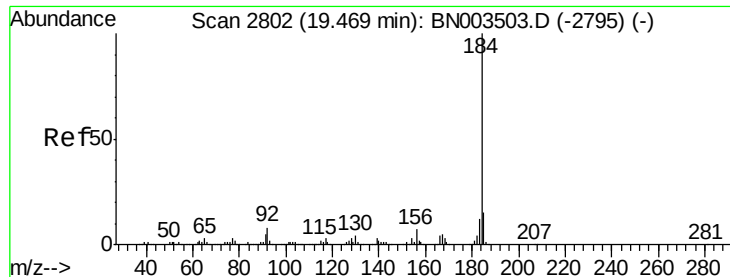


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.035 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.38 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

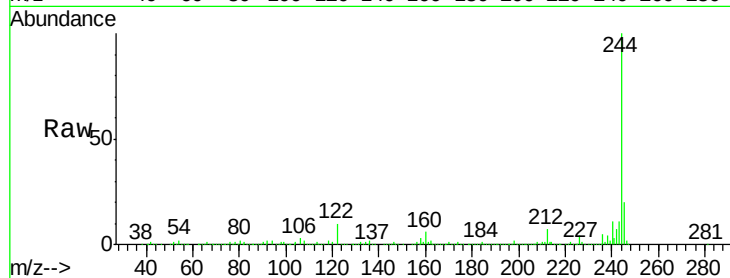
Tgt Ion:184 Resp: 30696

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.2

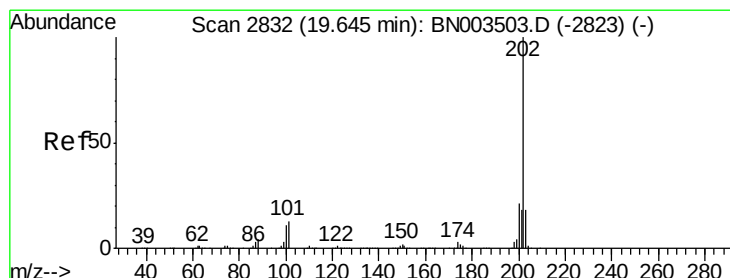
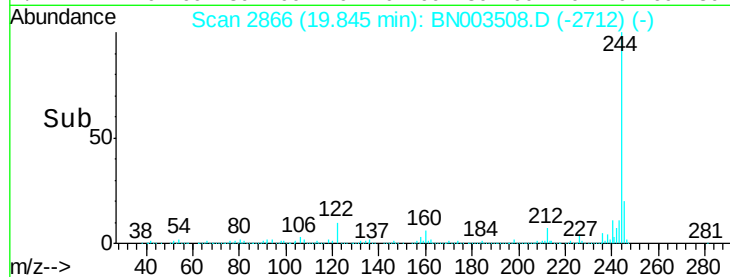
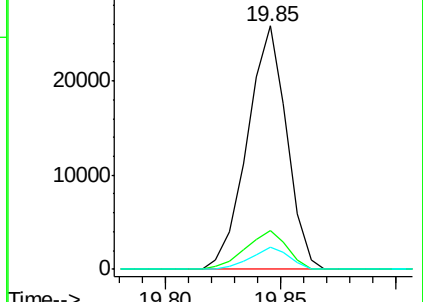
183 9.2 9.9 14.9#



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: 244.552 ng

RT: 19.66 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

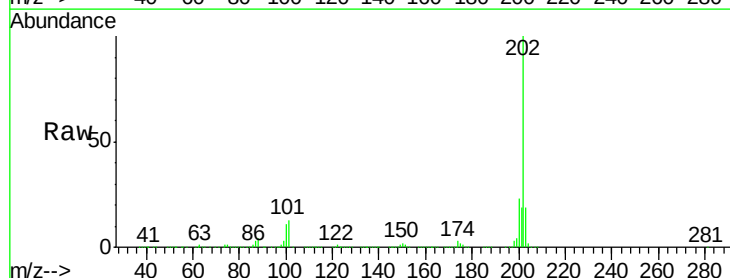
Tgt Ion:202 Resp: 7198598

Ion Ratio Lower Upper

202 100

200 23.0 16.8 25.2

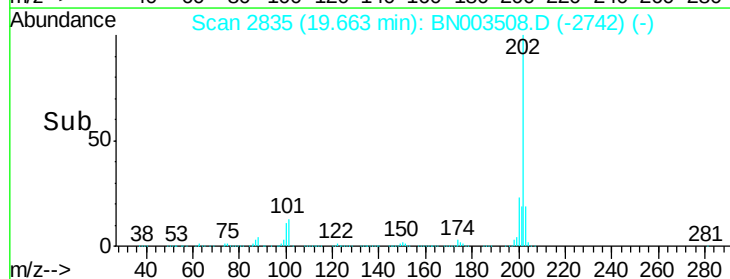
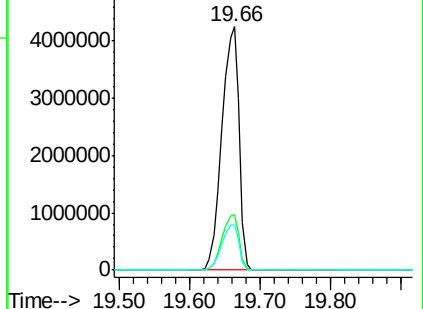
203 18.5 14.2 21.2

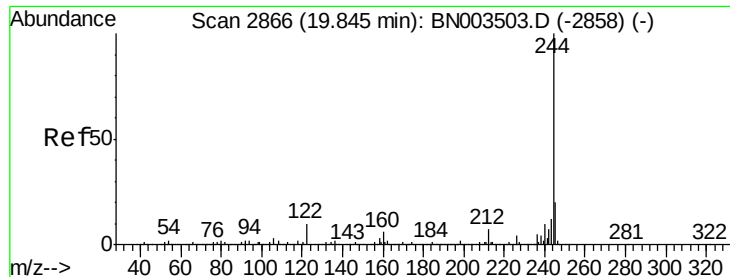


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 115.807 ng

RT: 19.85 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

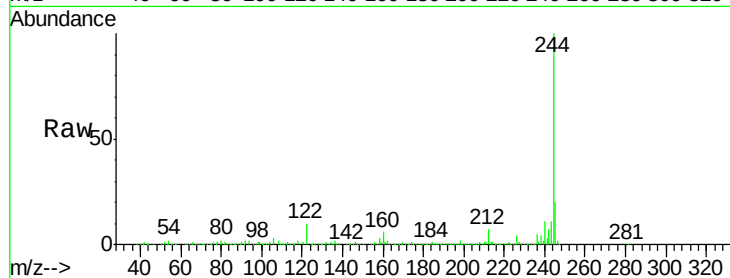
Tgt Ion:244 Resp: 2565149

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

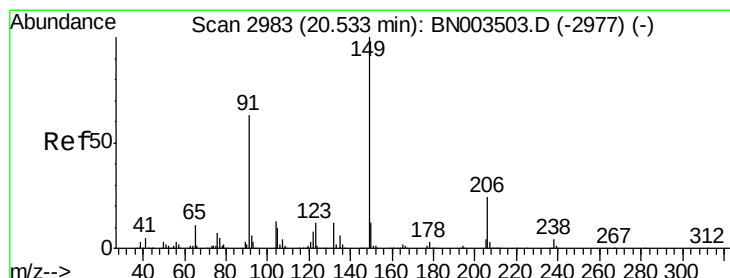
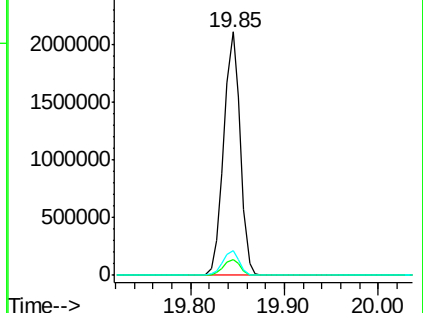
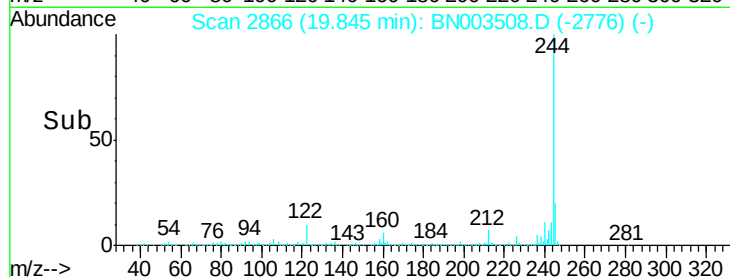
122 10.3 8.2 12.2



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: 126.062 ng

RT: 20.54 min Scan# 2984

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

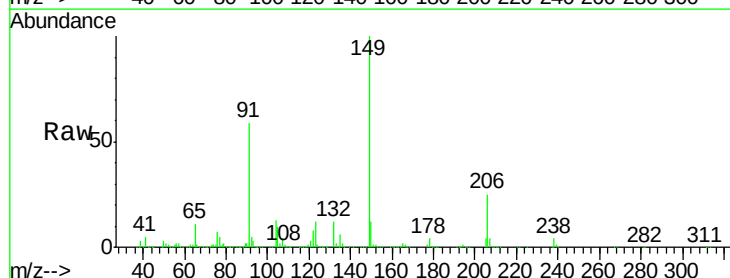
Tgt Ion:149 Resp: 1590349

Ion Ratio Lower Upper

149 100

91 59.0 50.3 75.5

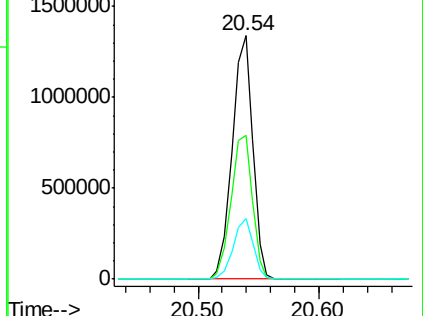
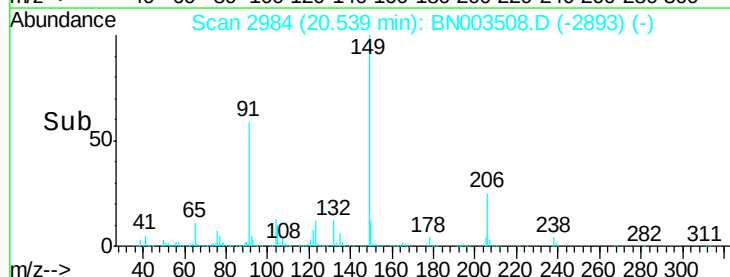
206 25.1 19.0 28.6

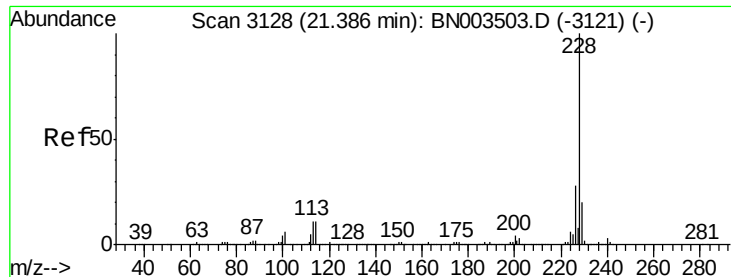


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 95.761 ng

RT: 21.39 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

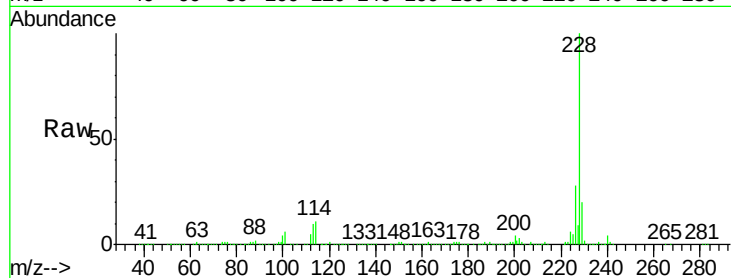
Tgt Ion:228 Resp: 2375441

Ion Ratio Lower Upper

228 100

226 28.1 22.0 33.0

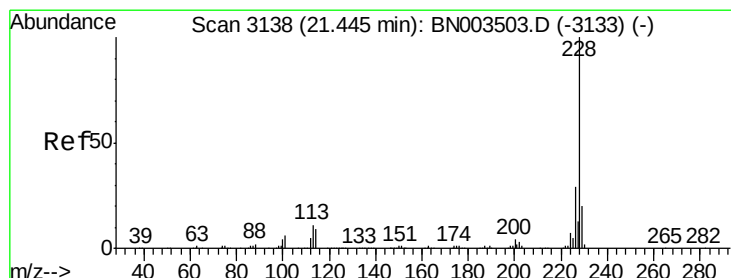
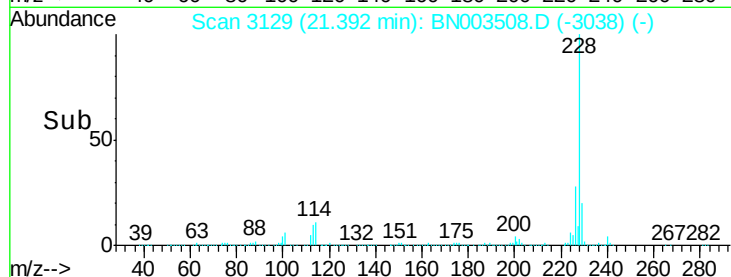
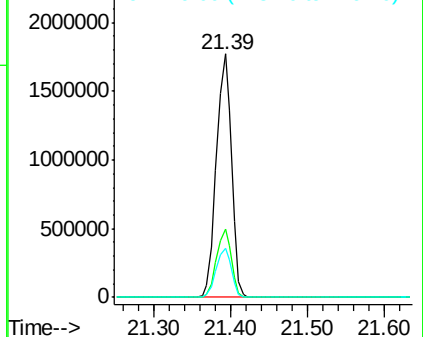
229 20.2 16.3 24.5



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



#83

Chrysene

Concen: 100.125 ng

RT: 21.39 min Scan# 3129

Delta R.T. -0.05 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

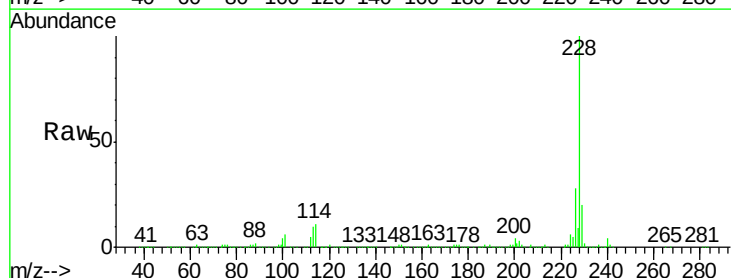
Tgt Ion:228 Resp: 2375441

Ion Ratio Lower Upper

228 100

226 28.1 23.5 35.3

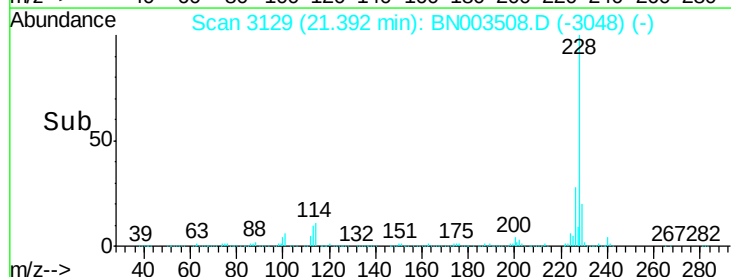
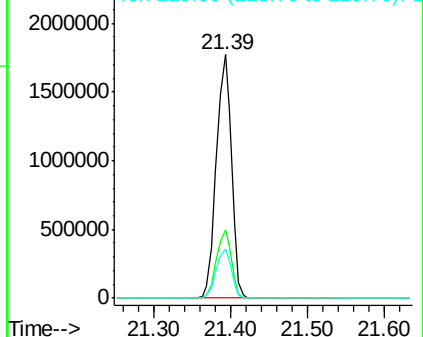
229 20.2 15.6 23.4

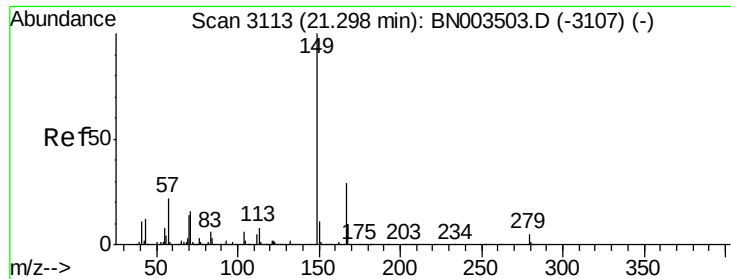


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 266.836 ng

RT: 21.31 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

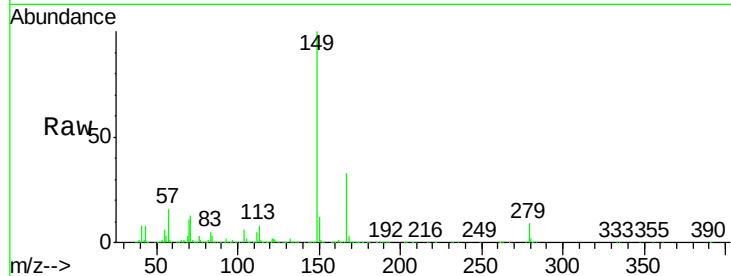
Tgt Ion:149 Resp: 4881667

Ion Ratio Lower Upper

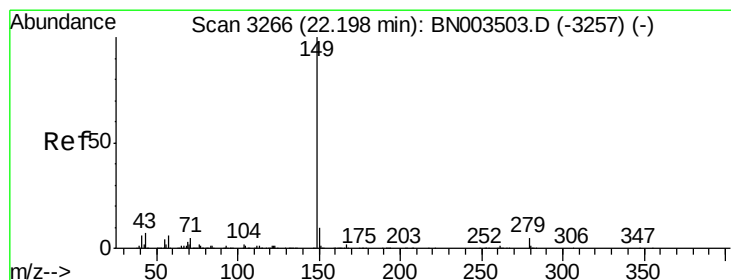
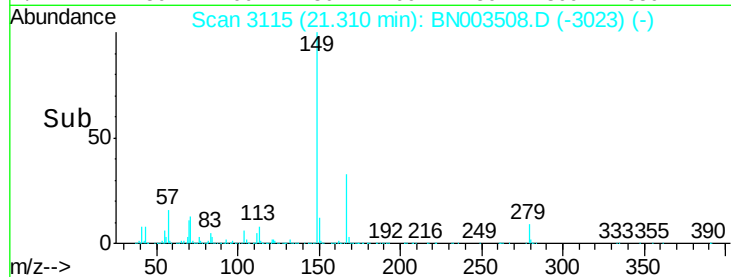
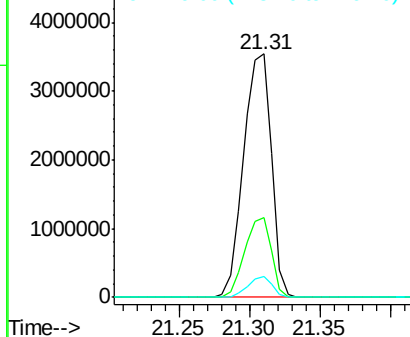
149 100

167 32.9 23.0 34.6

279 8.6 4.2 6.4#



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: 199.372 ng

RT: 22.20 min Scan# 3267

Delta R.T. 0.01 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

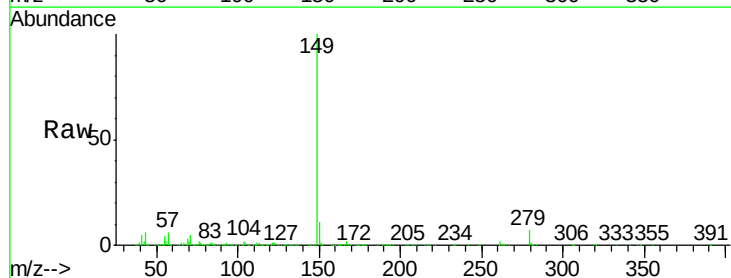
Tgt Ion:149 Resp: 5417154

Ion Ratio Lower Upper

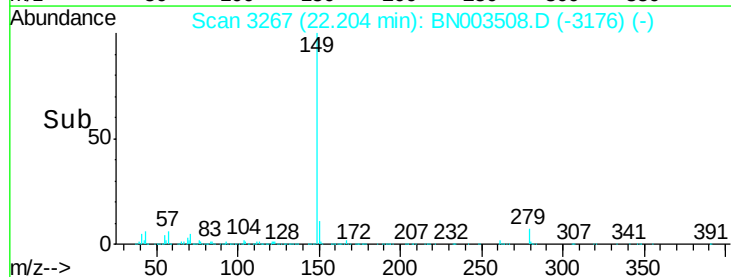
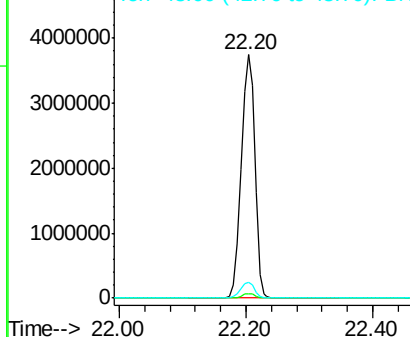
149 100

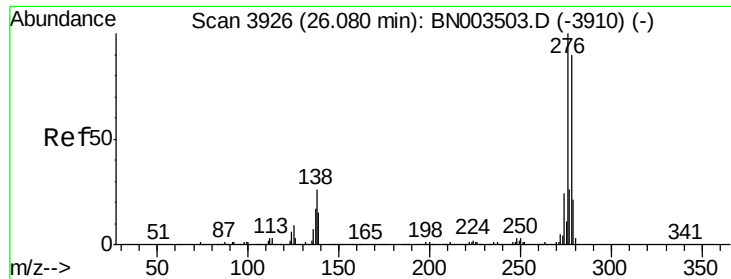
167 1.8 1.3 1.9

43 6.7 6.0 9.0



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: 256.864 ng

RT: 26.13 min Scan# 3934

Delta R.T. 0.05 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

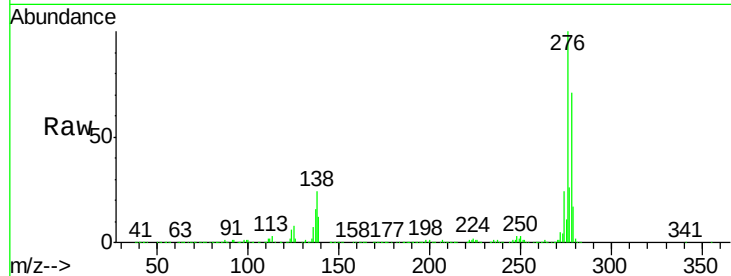
Tgt Ion:276 Resp: 6433275

Ion Ratio Lower Upper

276 100

138 22.0 20.1 30.1

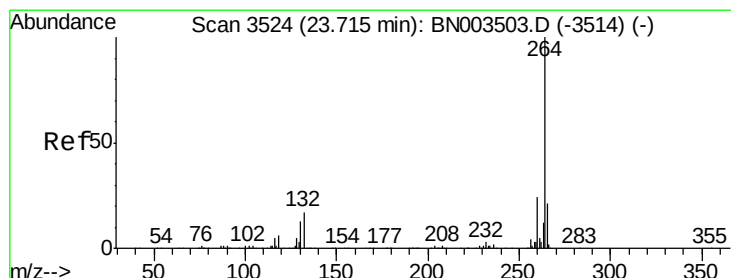
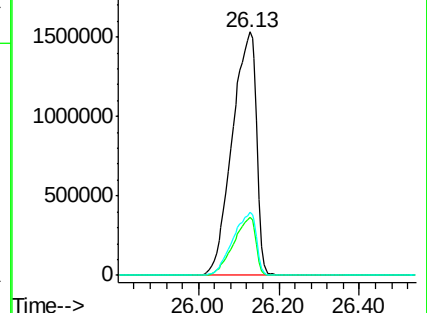
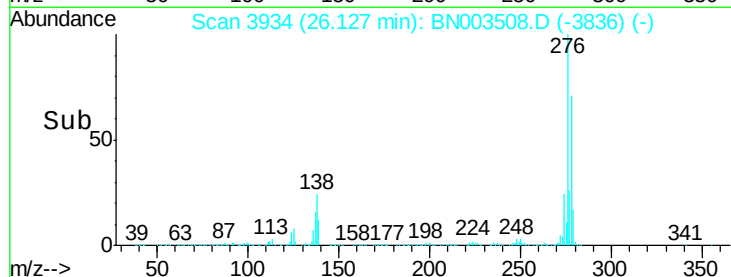
277 25.1 20.3 30.5



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: 23.72 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

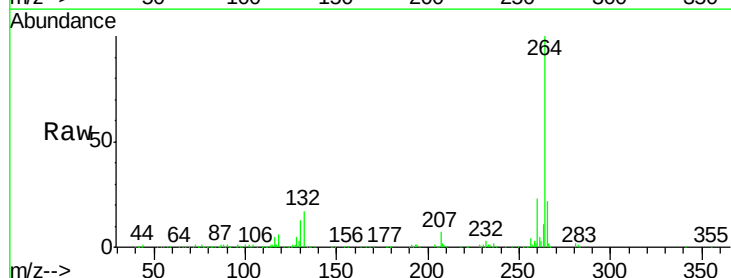
Tgt Ion:264 Resp: 430296

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

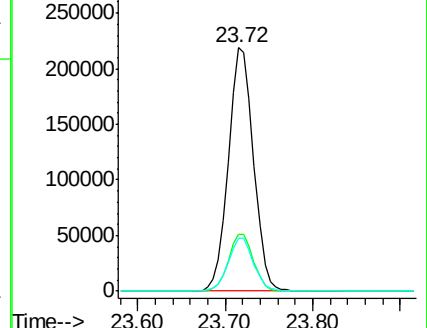
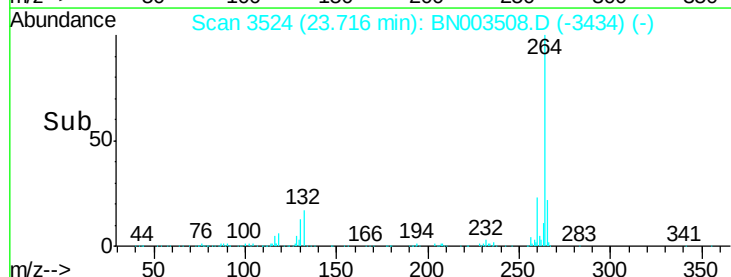
265 21.7 17.2 25.8

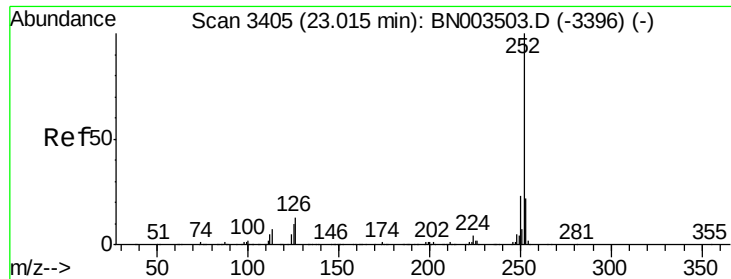


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

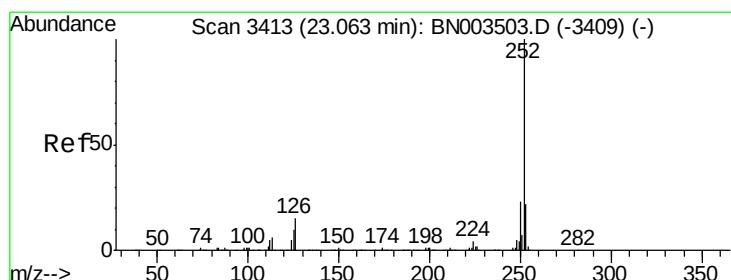
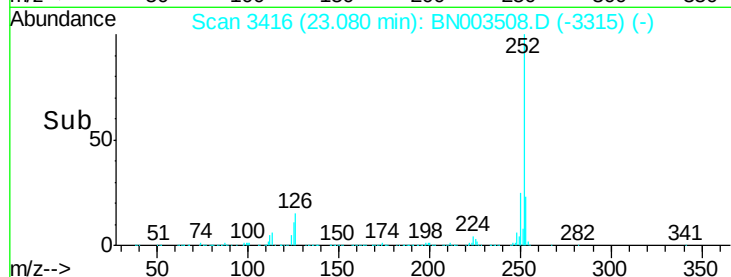
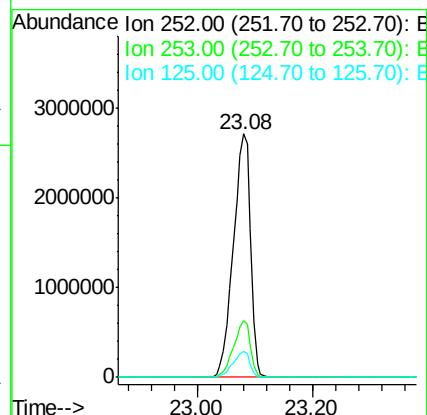
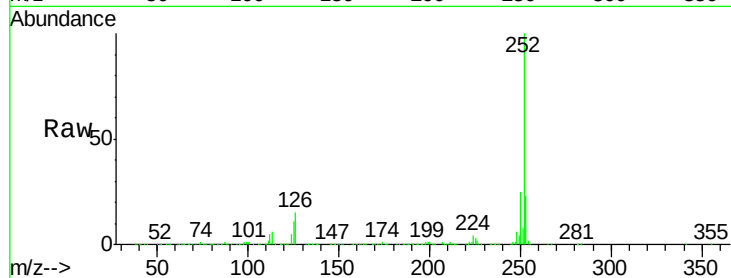




#88
Benzo(b)fluoranthene
Concen: 233.318 ng
RT: 23.08 min Scan# 3416
Delta R.T. 0.06 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

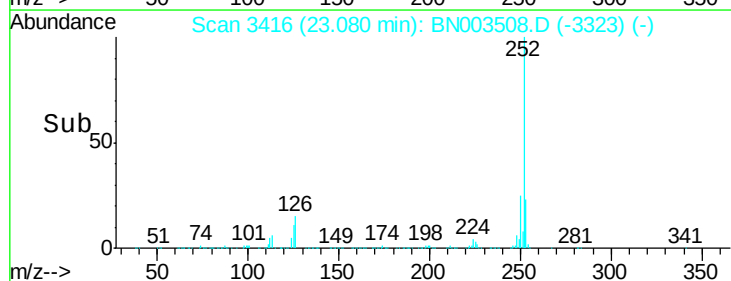
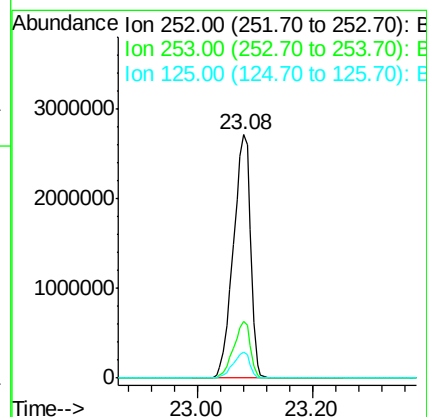
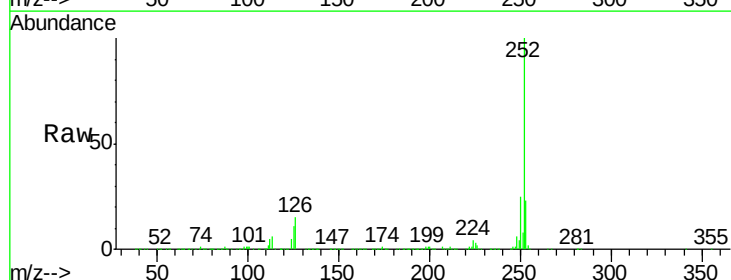
Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

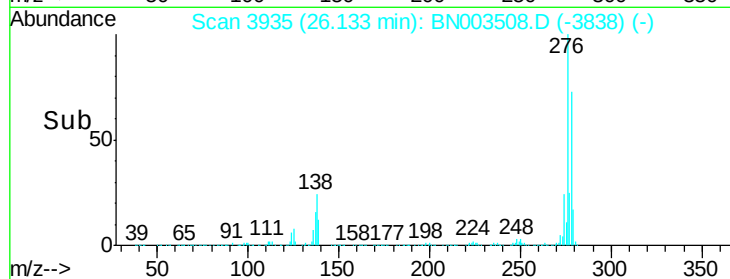
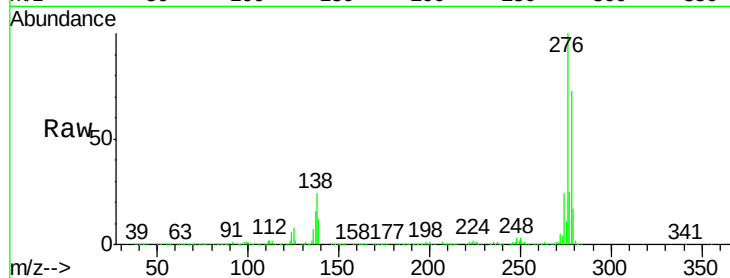
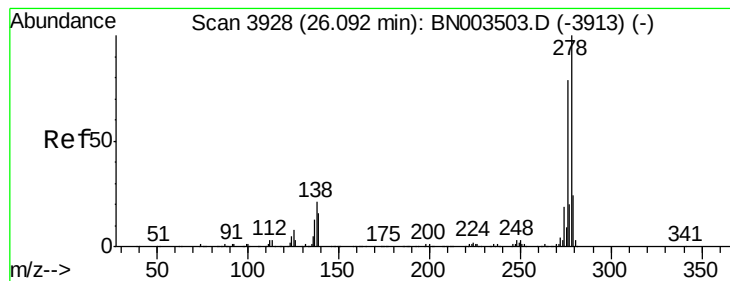
Tgt Ion:252 Resp: 5589531
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 234.466 ng
RT: 23.08 min Scan# 3416
Delta R.T. 0.02 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion:252 Resp: 5589531
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.6 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 123.860 ng

RT: 26.13 min Scan# 3935

Delta R.T. 0.04 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

Tgt Ion:278 Resp: 2799687

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

279 23.6 19.0 28.4

