

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 16:45:53 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	
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
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
36) 4-Chloro-3-methylphenol	11.93	107	1299883	176.425	ng	98
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
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
67) 4-Bromophenyl-phenylether	16.43	248	1849973	264.671	ng	96
68) Hexachlorobenzene	16.55	284	2604393	320.139	ng	94
70) Pentachlorophenol	16.88	266	1599450	294.991	ng	98
71) Phenanthrene	17.29	178	5714591	197.399	ng	97
74) Di-n-butylphthalate	18.18	149	1800282	54.940	ng	100
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
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
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

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QLast Update : Mon Nov 12 15:59:25 2018
Response via : Initial Calibration

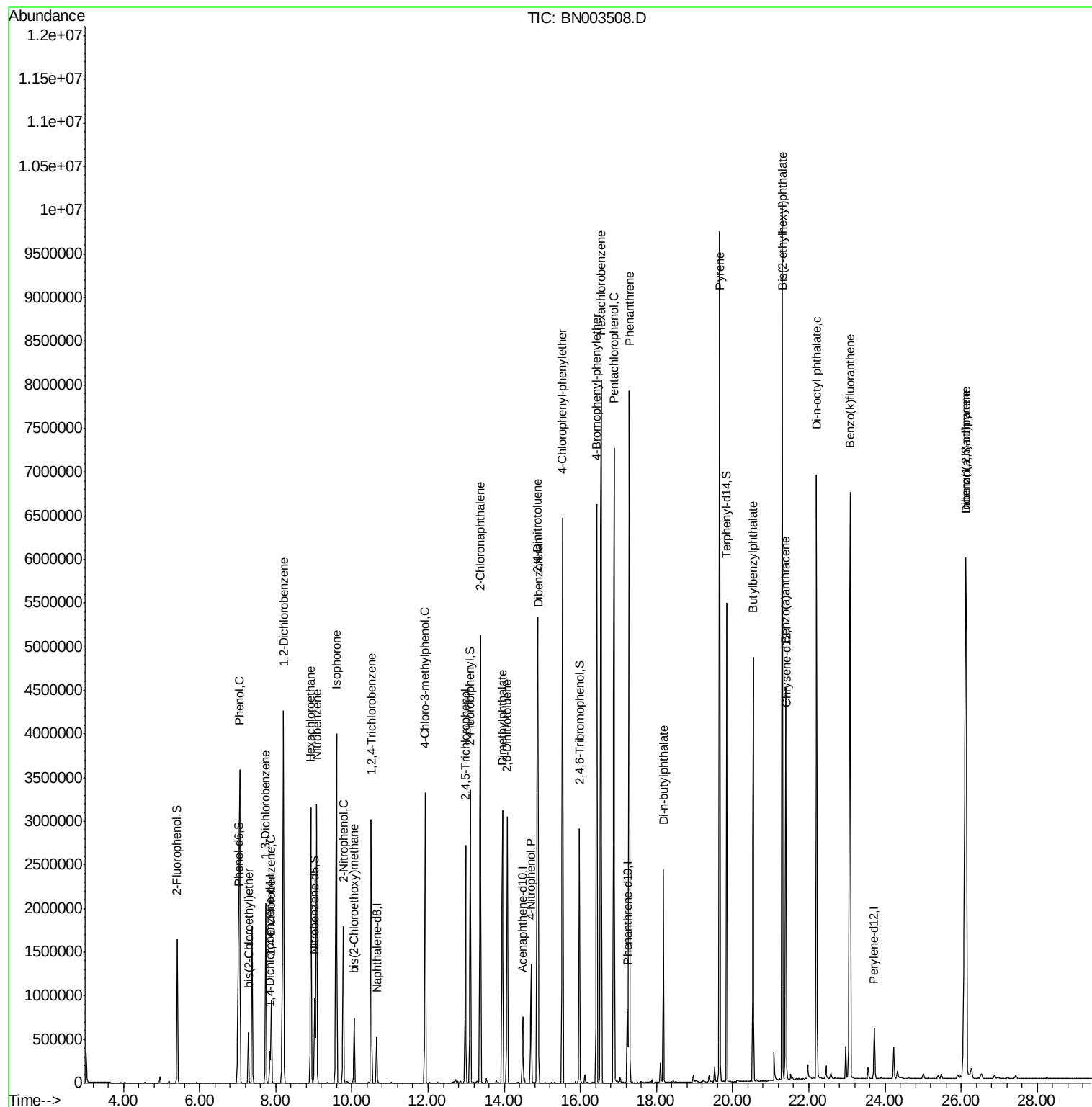
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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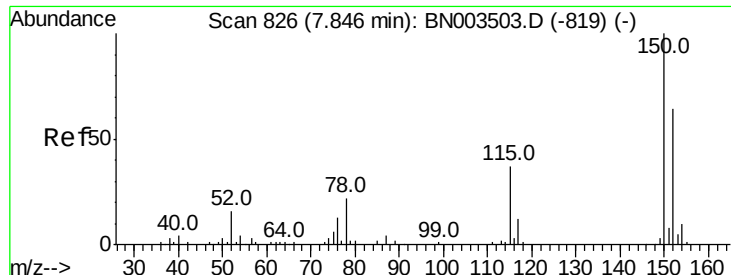
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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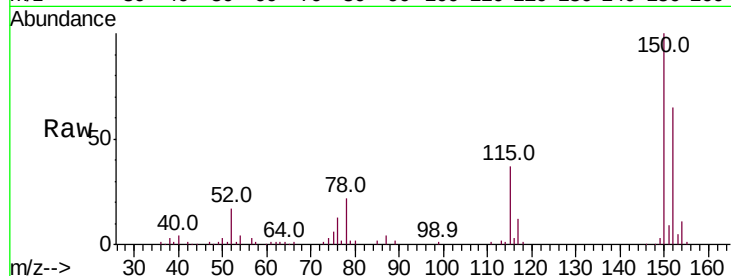


#1

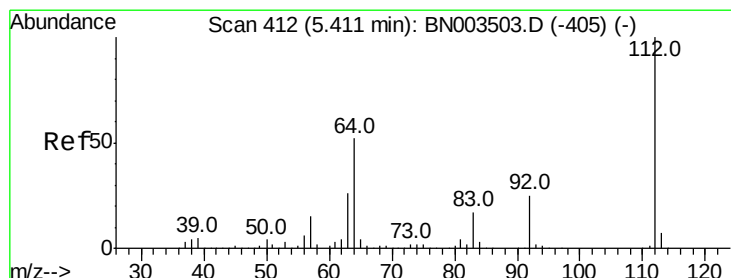
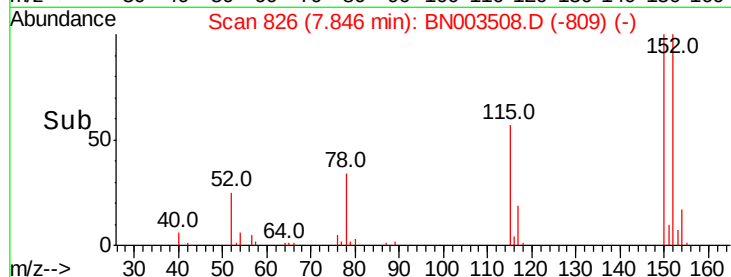
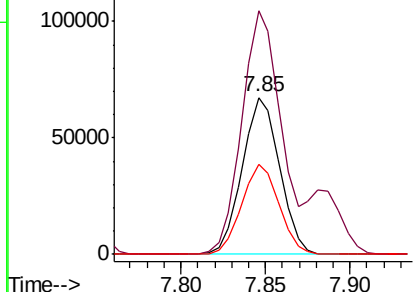
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.4	188.0
115	57.1	45.9	68.9



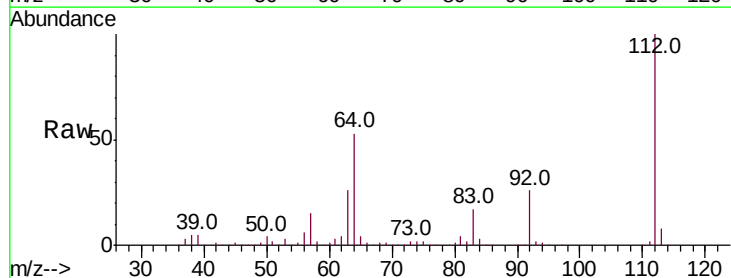
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



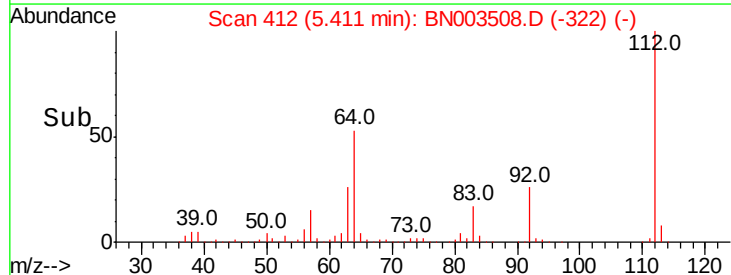
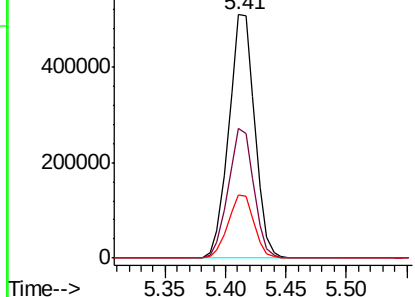
#5

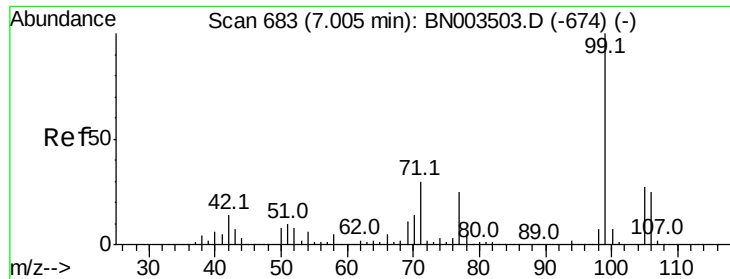
2-Fluorophenol
Concen: 131.552 ng
RT: 5.41 min Scan# 412
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Tgt Ion	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





#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

Instrument :

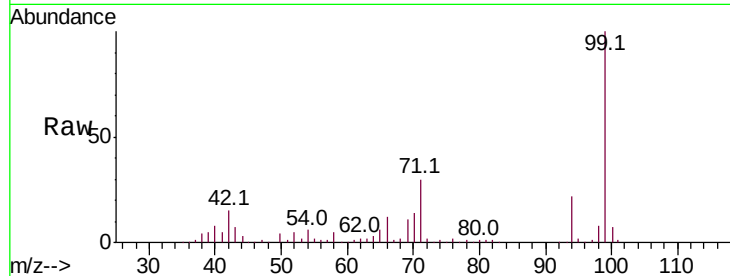
BNA_N

ClientSampleId :

PT-BNA-Soil

Tot Ion: 99 Resp: 1088467

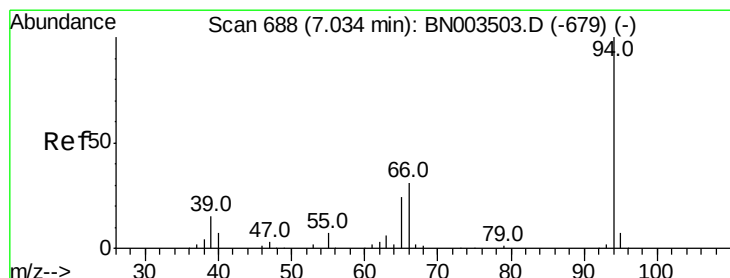
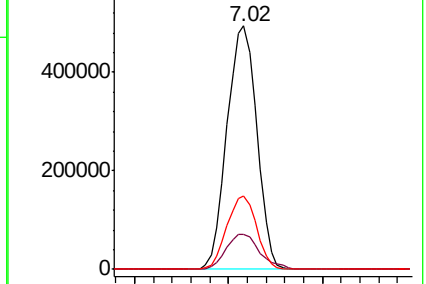
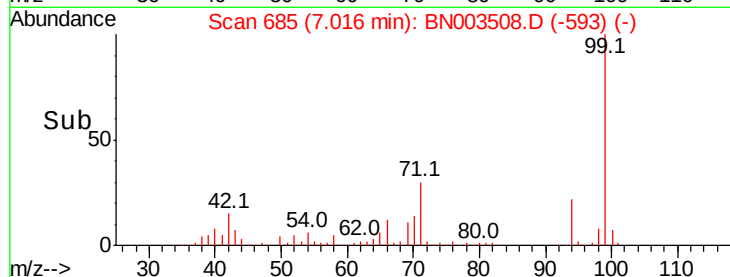
Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.6	17.4
71	30.1	24.2	36.2



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



#10

Phenol

Concen: 283.631 ng

RT: 7.05 min Scan# 691

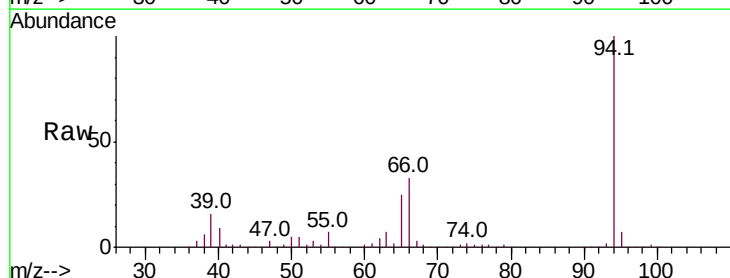
Delta R.T. 0.02 min

Lab File: BN003508.D

Acq: 12 Nov 2018 14:53

Tgt Ion: 94 Resp: 2452733

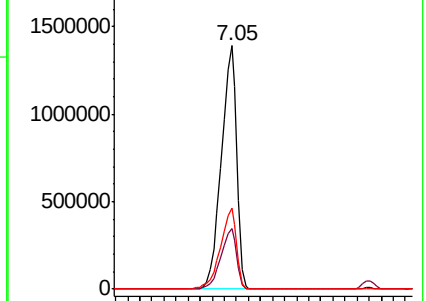
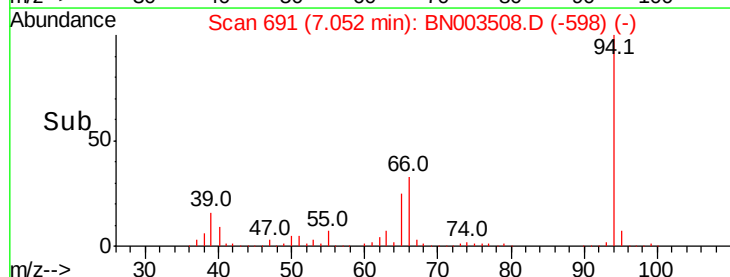
Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.4	12.0	52.0

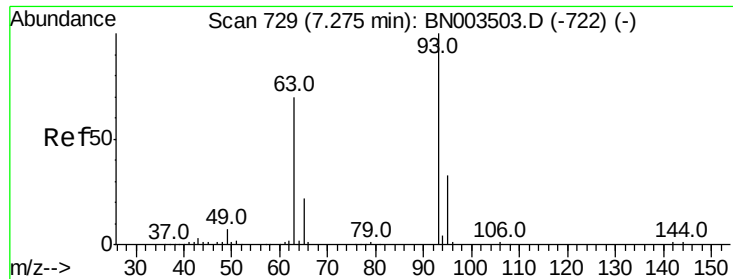


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC





#11

bis(2-Chloroethyl)ether

Concen: 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 :

BNA_N

ClientSampleId :

PT-BNA-Soil

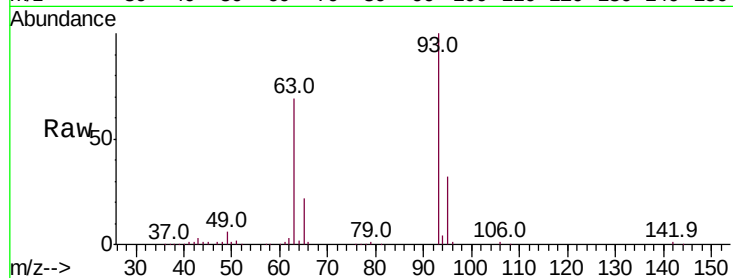
Tot Ion: 93 Resp: 313479

Ion Ratio Lower Upper

93 100

63 69.0 49.9 89.9

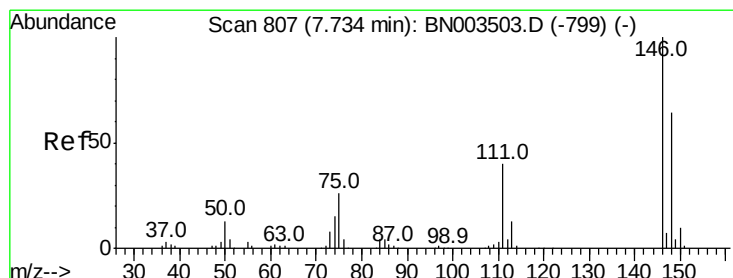
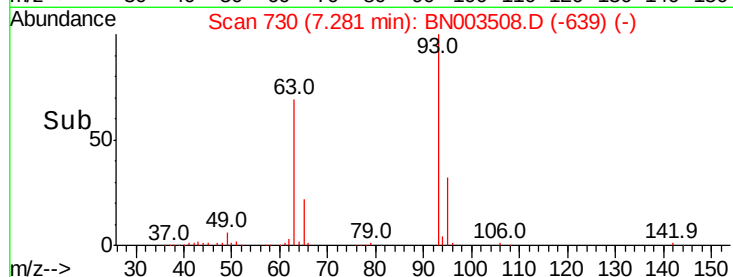
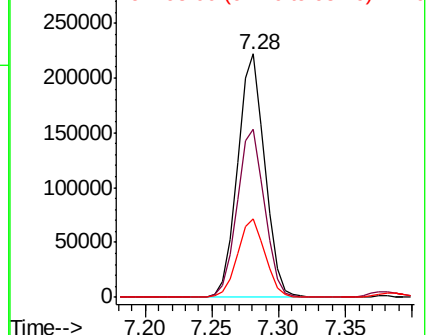
95 32.4 12.4 52.4



Abundance Ion 93.00 (92.70 to 93.70): BN003503.D (-722) (-)

Ion 63.00 (62.70 to 63.70): BN003503.D (-722) (-)

Ion 95.00 (94.70 to 95.70): BN003503.D (-722) (-)



#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

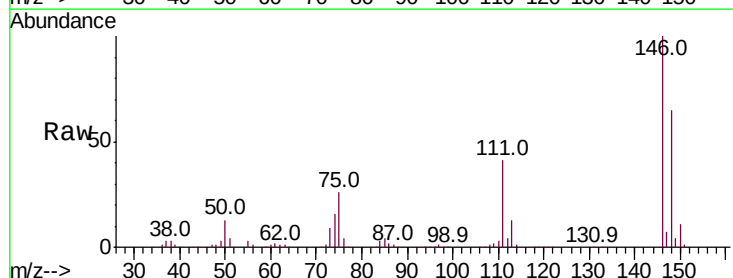
Tgt Ion: 146 Resp: 883517

Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

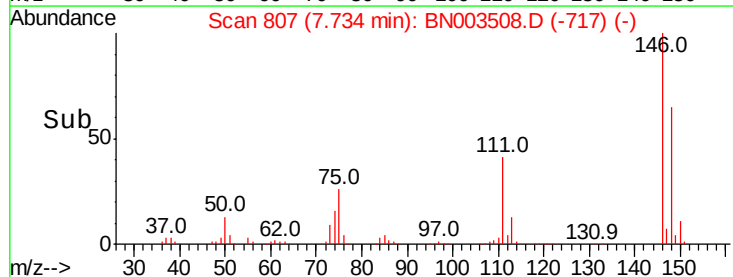
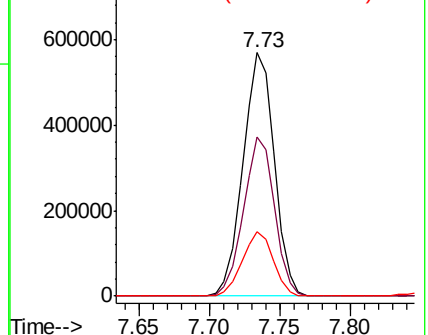
75 26.4 20.5 30.7

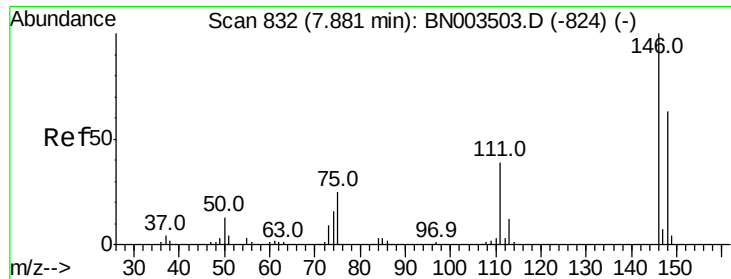


Abundance Ion 146.00 (145.70 to 146.70): BN003503.D (-799) (-)

Ion 148.00 (147.70 to 148.70): BN003503.D (-799) (-)

Ion 75.00 (74.70 to 75.70): BN003503.D (-799) (-)

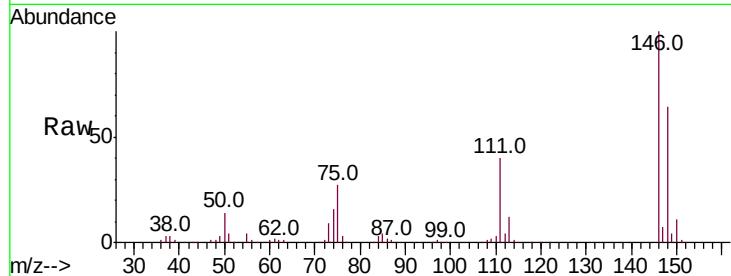




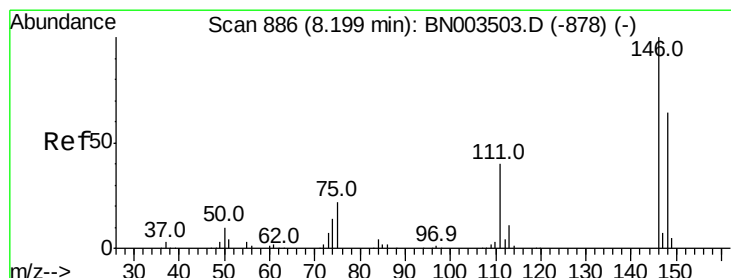
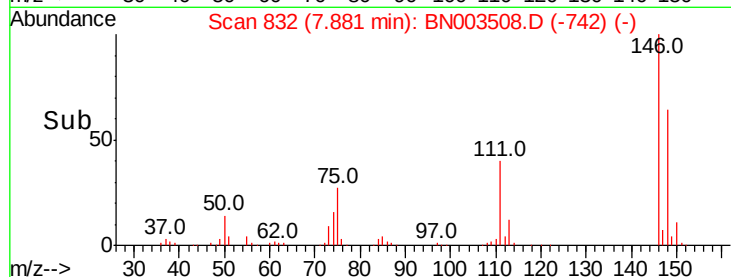
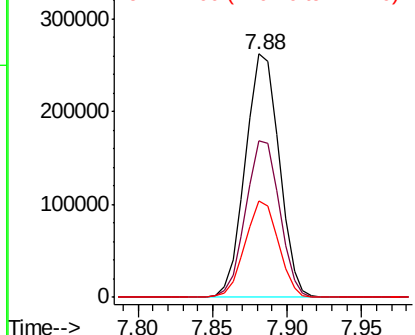
#13
 1,4-Dichlorobenzene
 Concen: 48.778 ng
 RT: 7.88 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

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

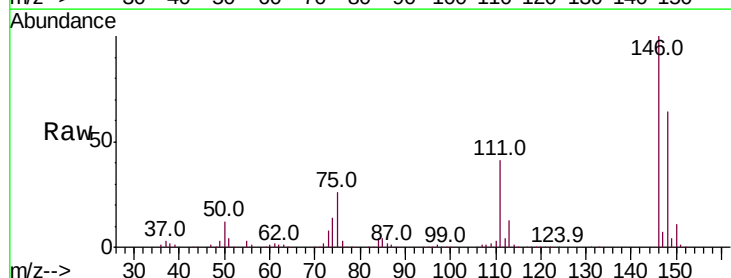


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

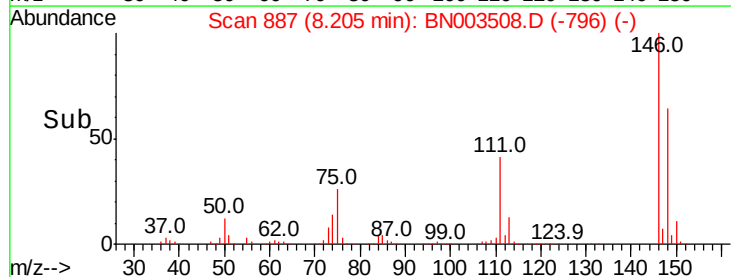
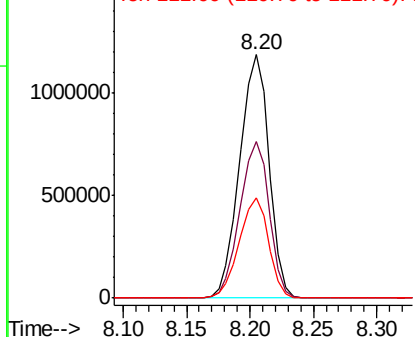


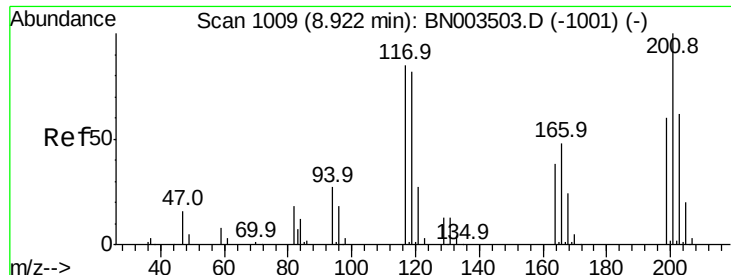
#14
 1,2-Dichlorobenzene
 Concen: 234.480 ng
 RT: 8.20 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

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

ClientSampled :

PT-BNA-Soil

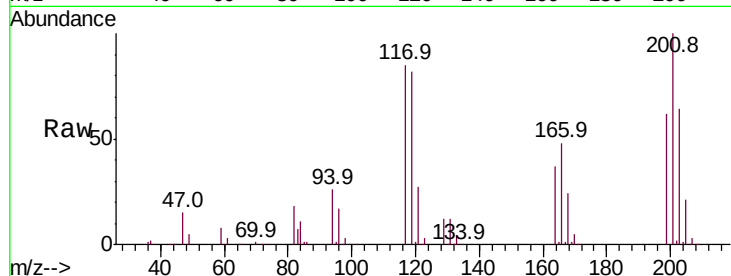
Tot Ion:117 Resp: 607784

Ion Ratio Lower Upper

117 100

119 96.5 77.1 115.7

201 117.1 93.6 140.4

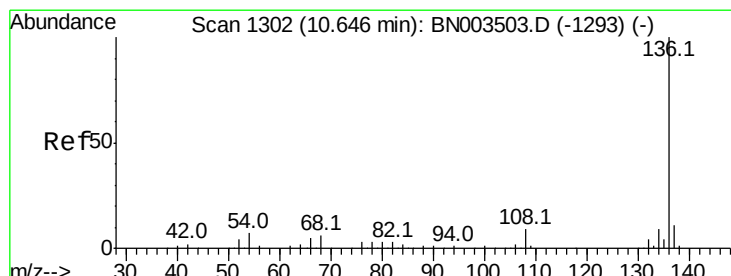
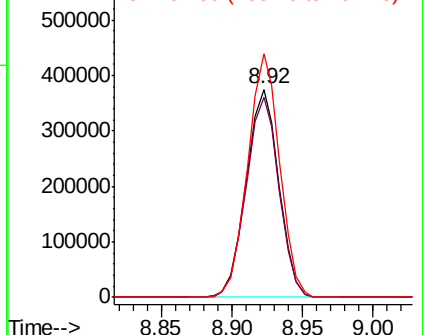
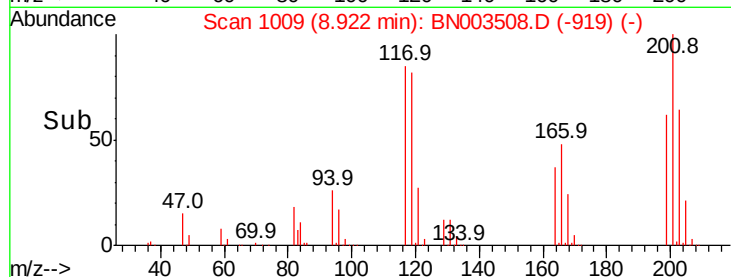


Abundance

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

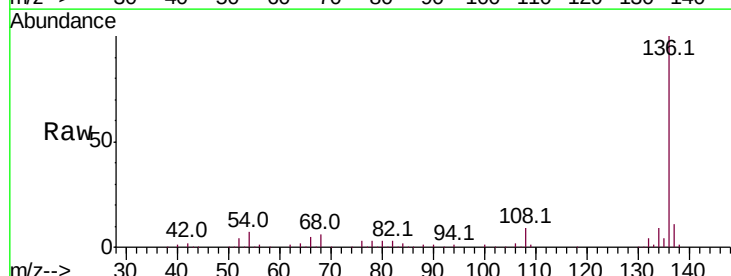
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.1 5.7 8.5

68 6.2 4.7 7.1



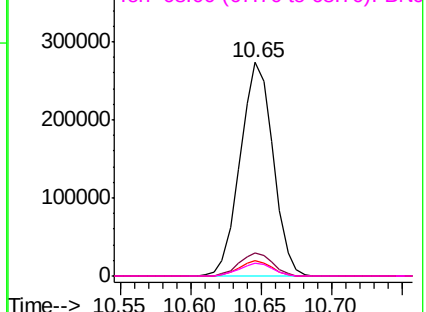
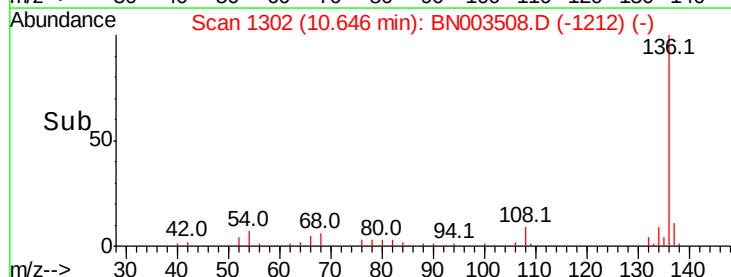
Abundance

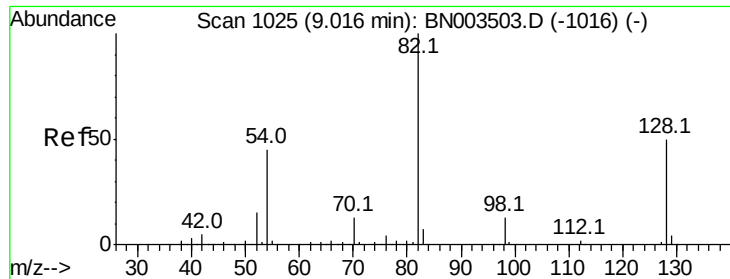
Ion 136.00 (135.70 to 136.70): E

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

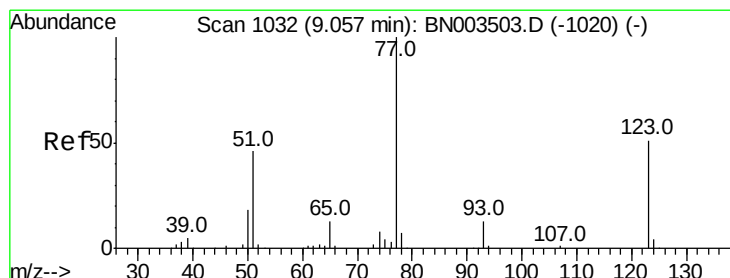
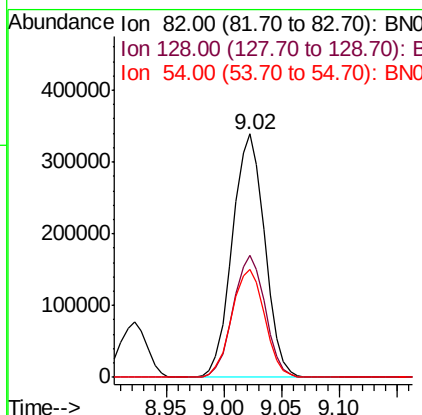
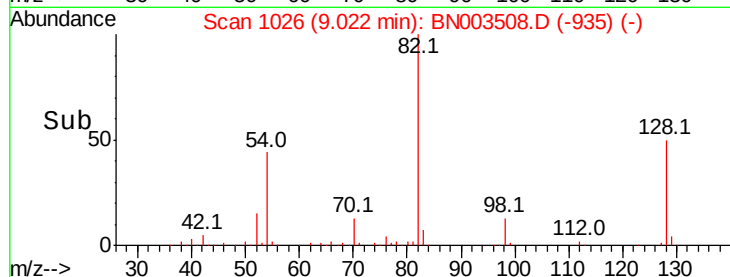
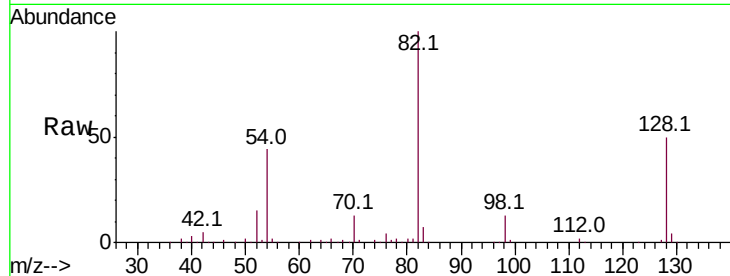




#23
 Nitrobenzene-d5
 Concen: 93.123 ng
 RT: 9.02 min Scan# 1026
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

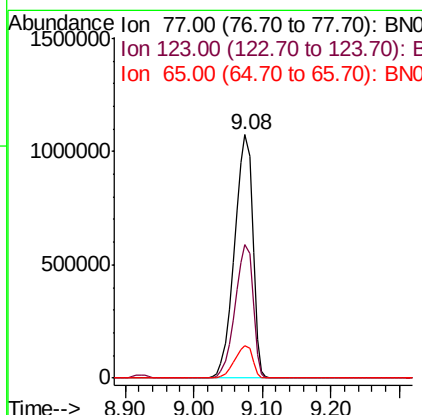
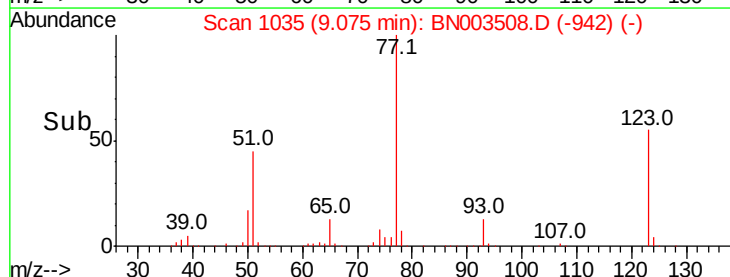
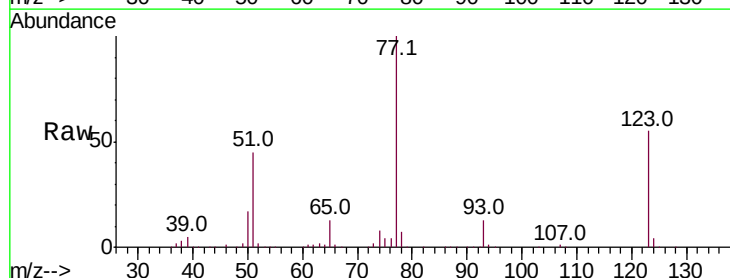
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

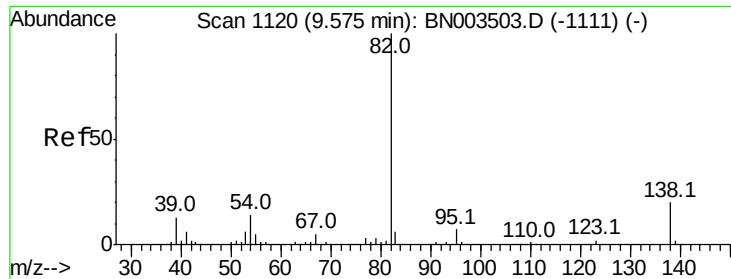
Tot Ion: 82 Resp: 660103
 Ion Ratio Lower Upper
 82 100
 128 50.2 40.0 60.0
 54 44.4 36.1 54.1



#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





#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

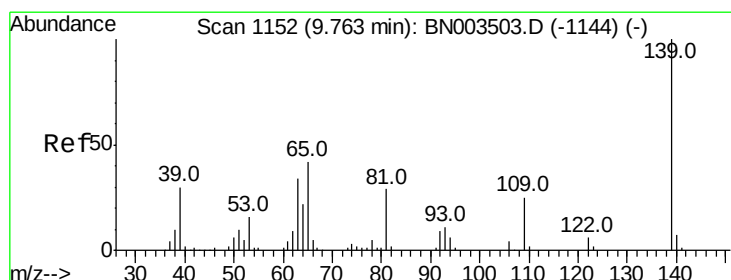
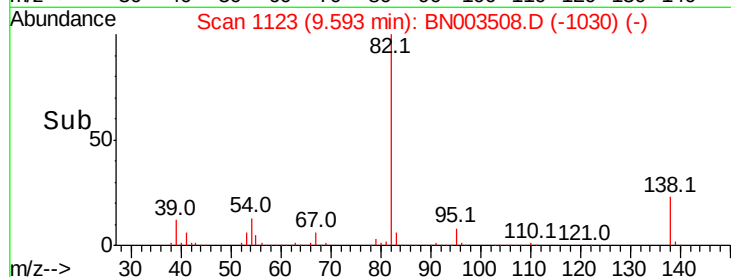
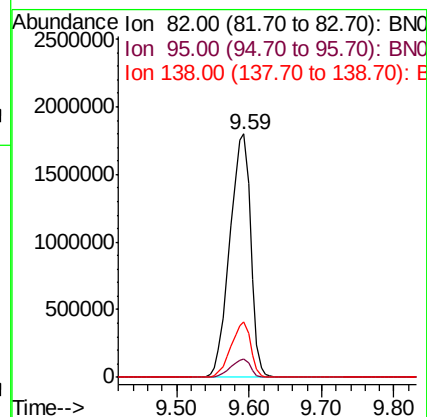
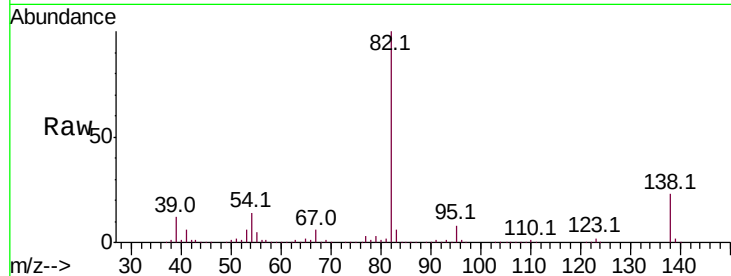
Tot Ion: 82 Resp: 3594482

Ion Ratio Lower Upper

82 100

95 7.5 5.7 8.5

138 22.7 16.4 24.6



#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

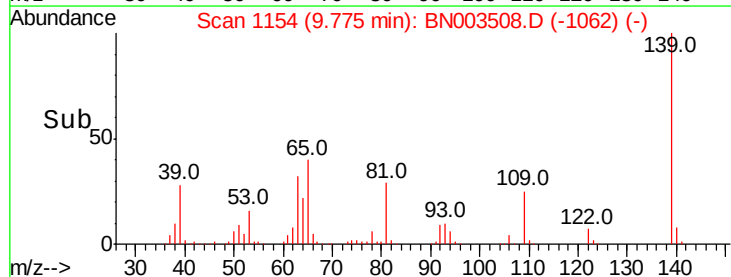
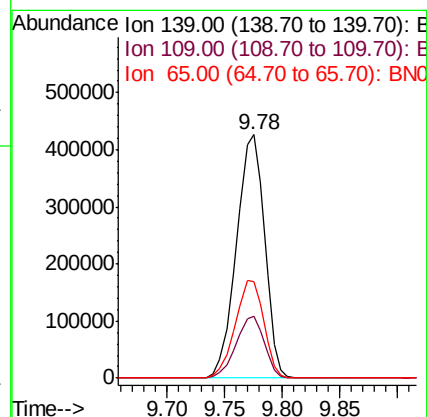
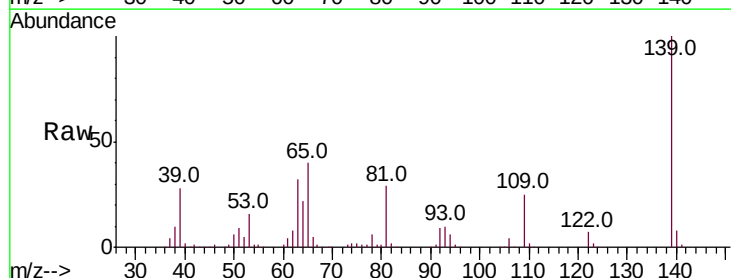
Tgt Ion:139 Resp: 722371

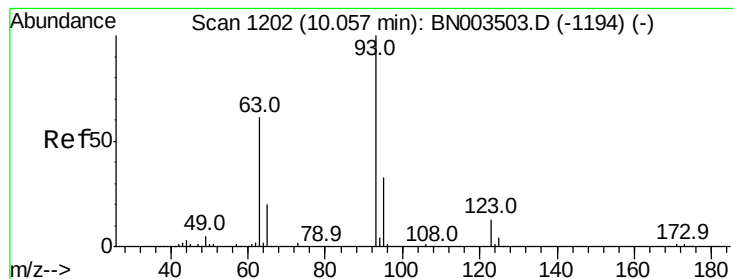
Ion Ratio Lower Upper

139 100

109 25.4 20.4 30.6

65 39.8 33.4 50.0





#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

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

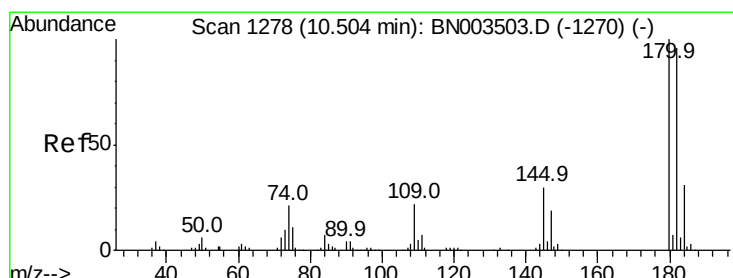
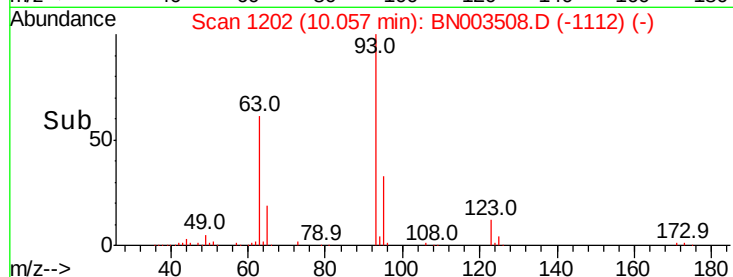
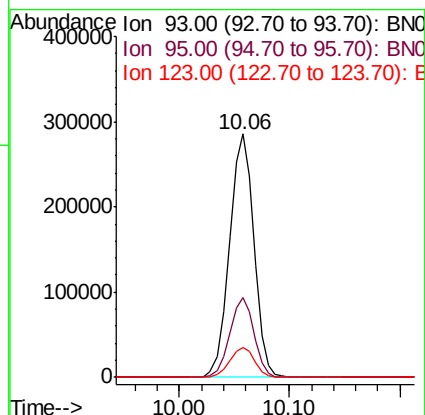
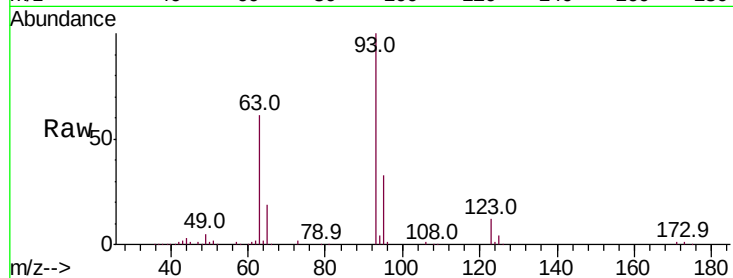
Tot Ion: 93 Resp: 442320

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	12.2	10.2	15.2

93 100

95 32.9 26.4 39.6

123 12.2 10.2 15.2



#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

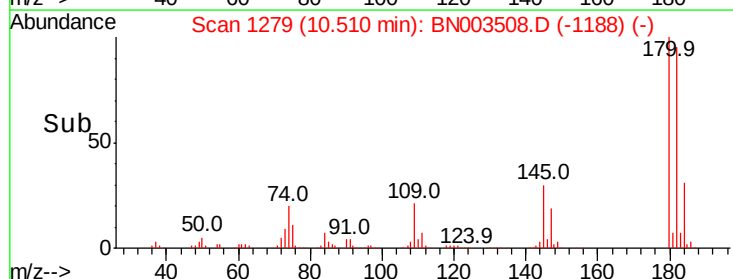
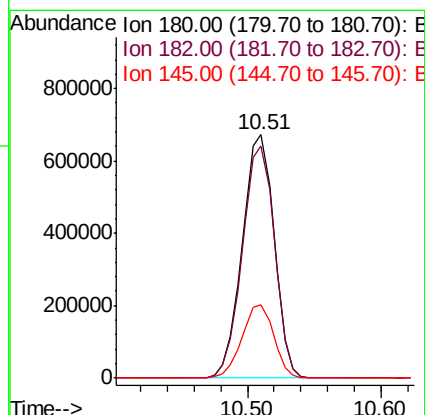
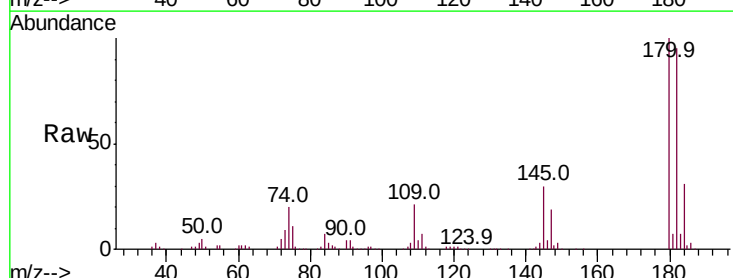
Tgt Ion: 180 Resp: 1112781

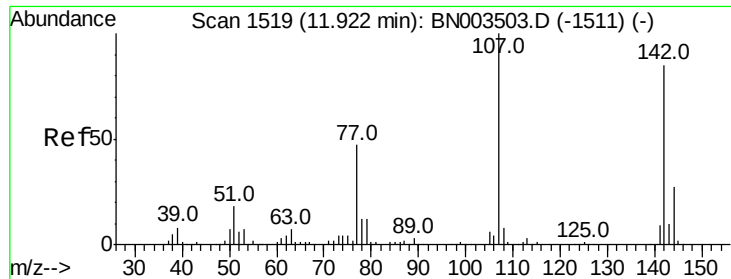
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
145	30.1	23.9	35.9

180 100

182 95.3 76.6 115.0

145 30.1 23.9 35.9

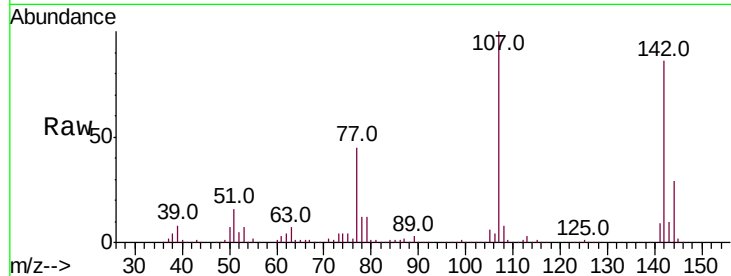




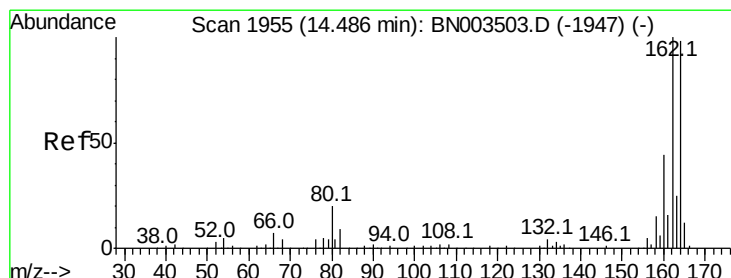
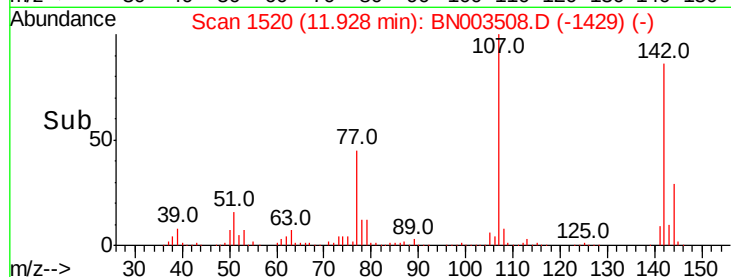
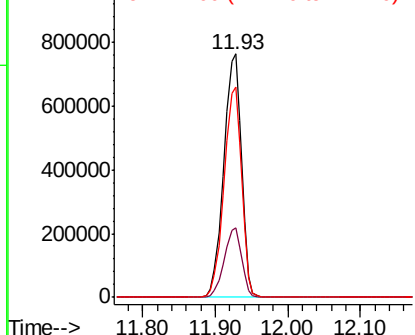
#36
4-Chloro-3-methylphenol
Concen: 176.425 ng
RT: 11.93 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

Tot Ion:107 Resp: 1299883
Ion Ratio Lower Upper
107 100
144 28.6 22.0 33.0
142 86.5 68.0 102.0

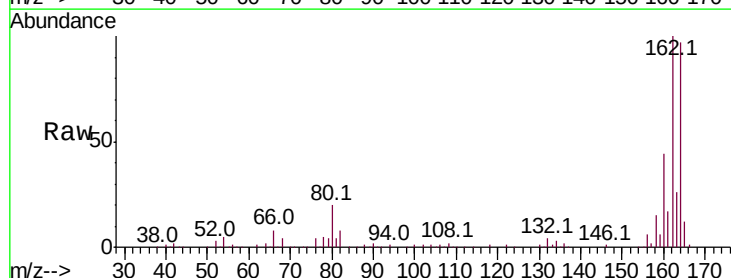


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

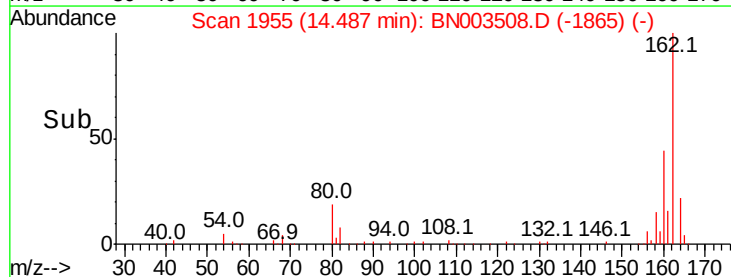
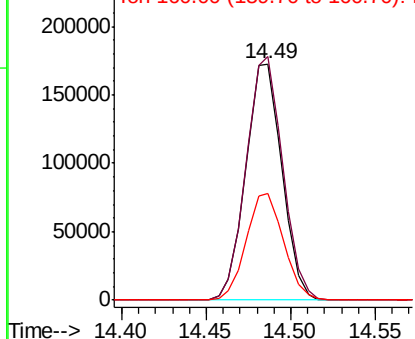


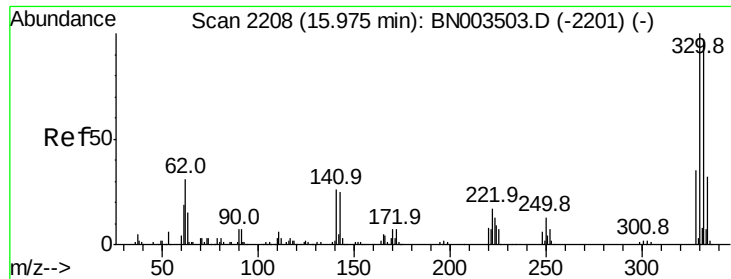
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.49 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

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



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





#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

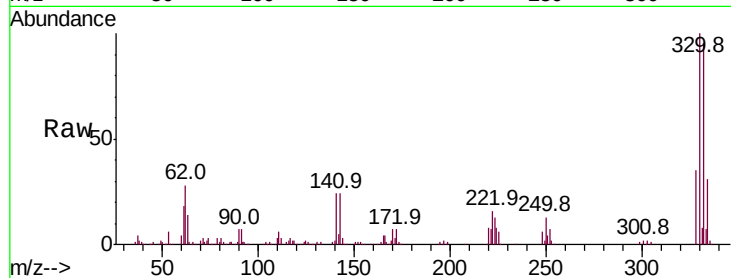
Tot Ion:330 Resp: 626294

Ion Ratio Lower Upper

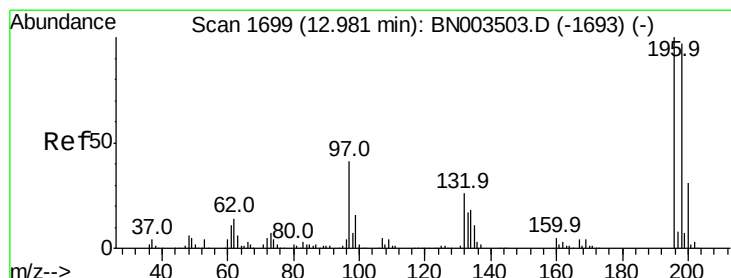
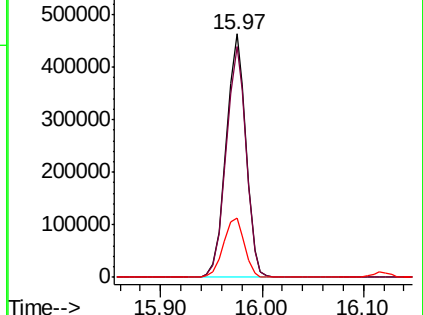
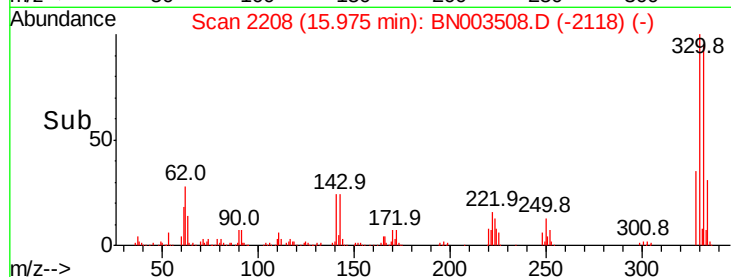
330 100

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



#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

Tgt Ion:196 Resp: 759951

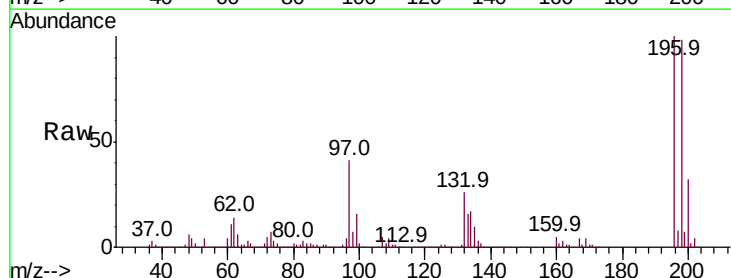
Ion Ratio Lower Upper

196 100

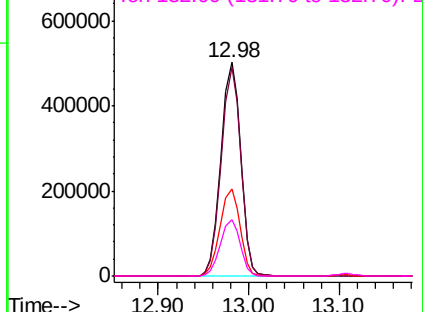
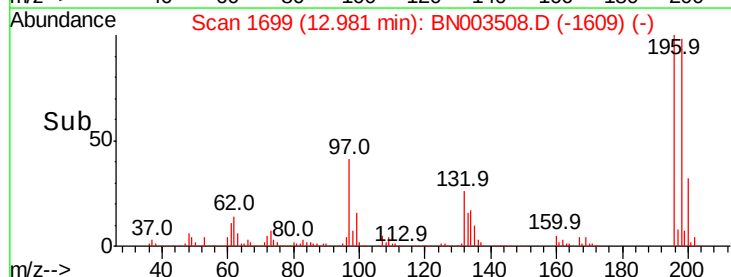
198 97.7 77.6 116.4

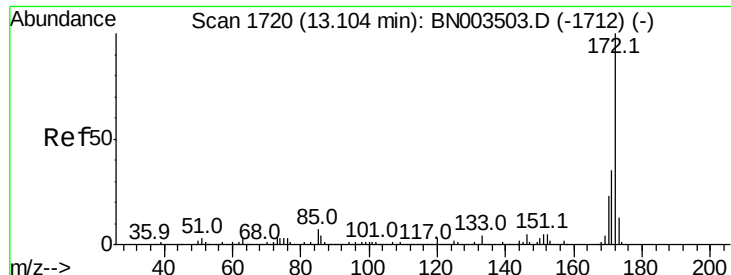
97 40.5 33.0 49.4

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



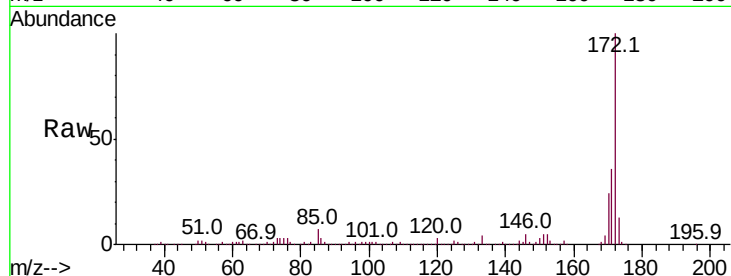


#45
 2-Fluorobiphenyl
 Concen: 95.424 ng
 RT: 13.11 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

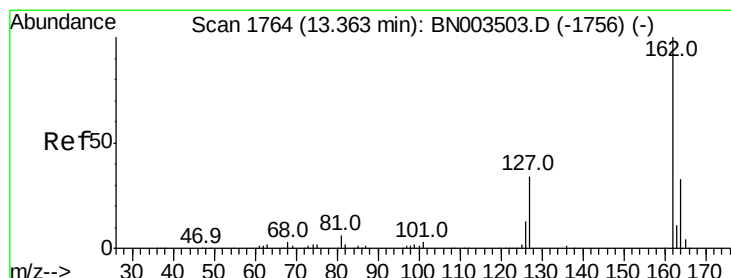
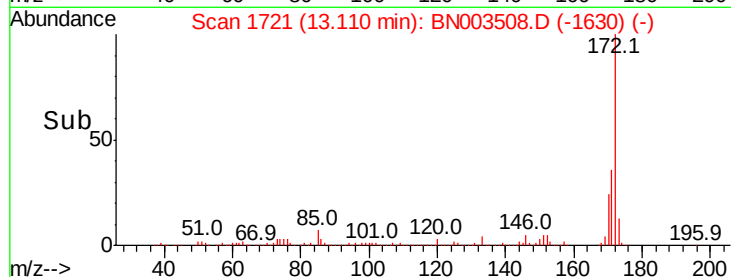
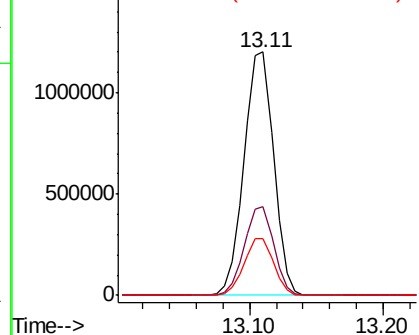
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-Soil

Tot Ion:172 Resp: 1841655

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.3	42.5
170	23.5	18.7	28.1



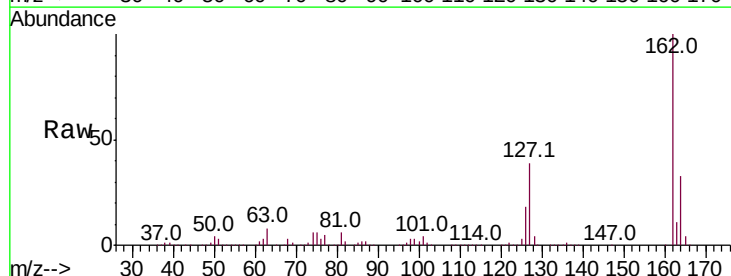
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



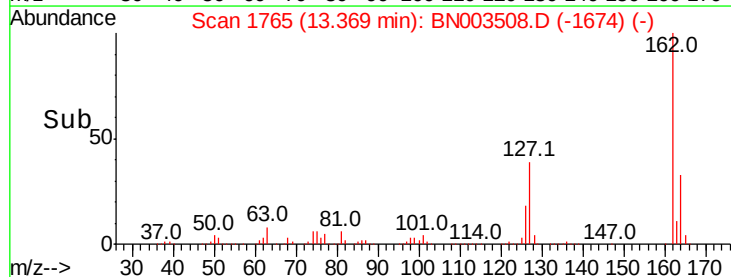
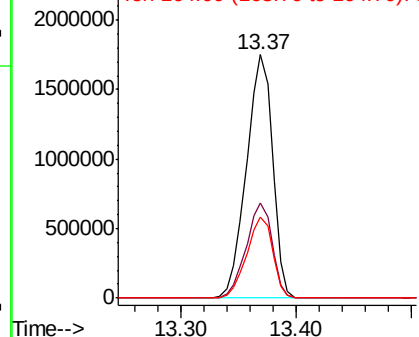
#47
 2-Chloronaphthalene
 Concen: 160.718 ng
 RT: 13.37 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

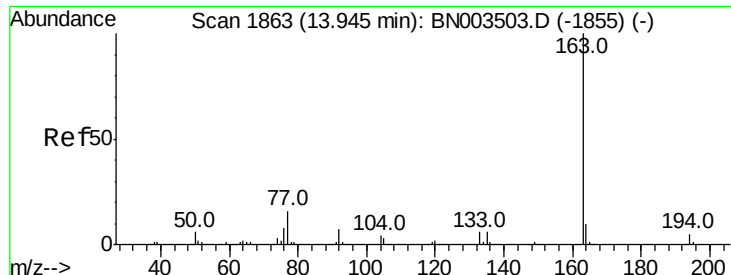
Tgt Ion:162 Resp: 2758887

Ion	Ratio	Lower	Upper
162	100		
127	39.2	30.7	46.1
164	33.2	26.1	39.1



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





#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

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

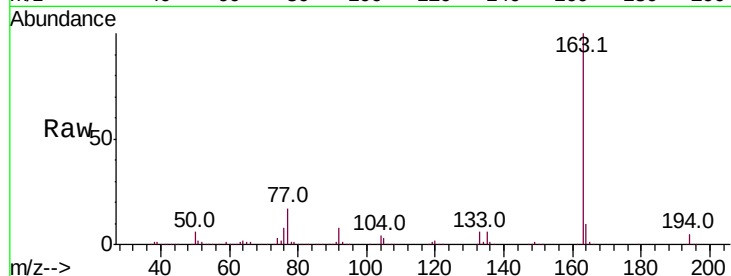
Tot Ion:163 Resp: 2583703

Ion Ratio Lower Upper

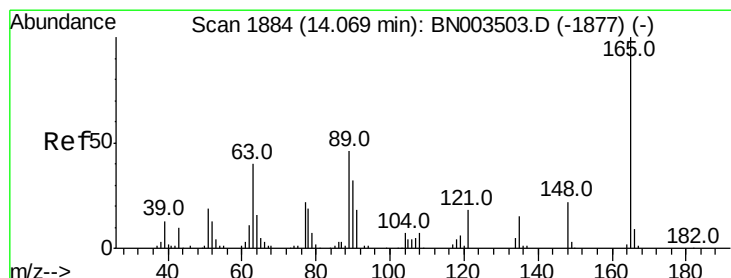
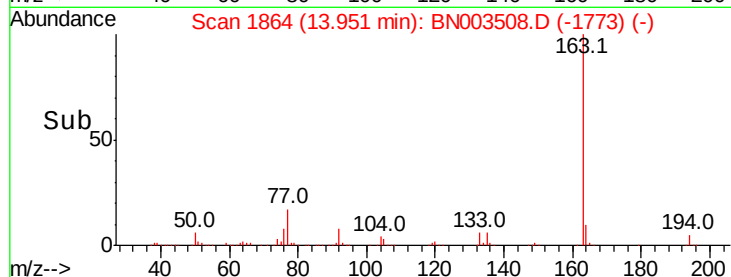
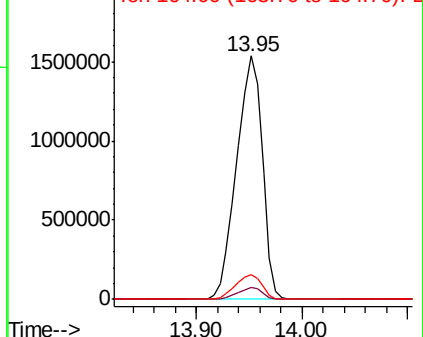
163 100

194 4.8 3.6 5.4

164 10.3 7.9 11.9



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



#51

2,6-Dinitrotoluene

Concen: 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

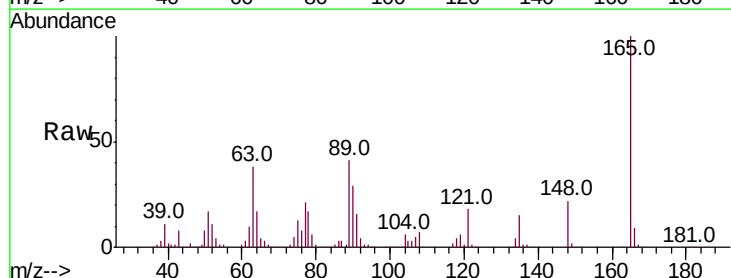
Tgt Ion:165 Resp: 865087

Ion Ratio Lower Upper

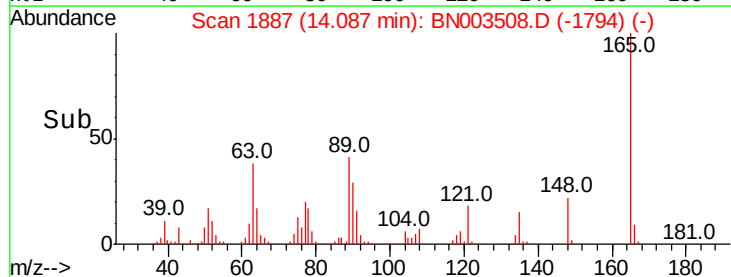
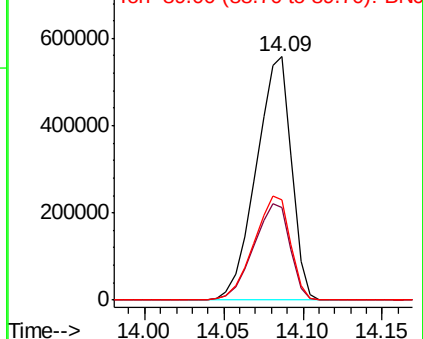
165 100

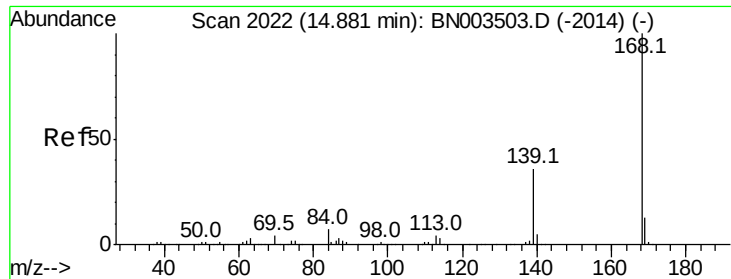
63 38.3 34.3 51.5

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





#55

Dibenzenofuran

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

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

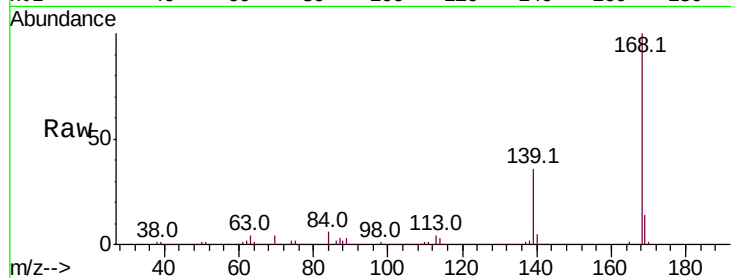
Tot Ion:168 Resp: 3384063

Ion Ratio Lower Upper

168 100

139 36.5 28.7 43.1

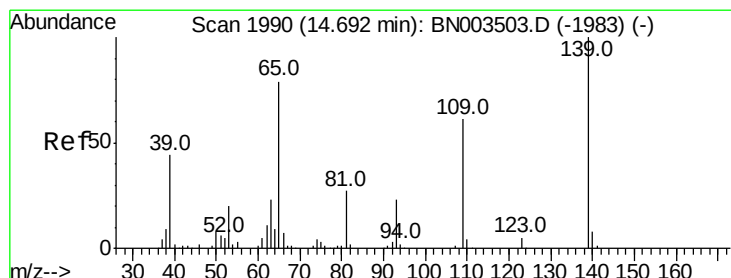
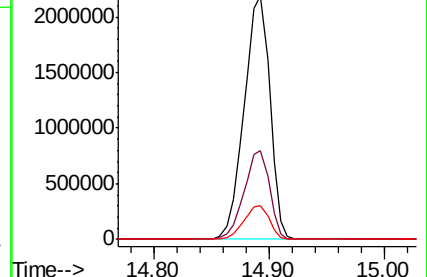
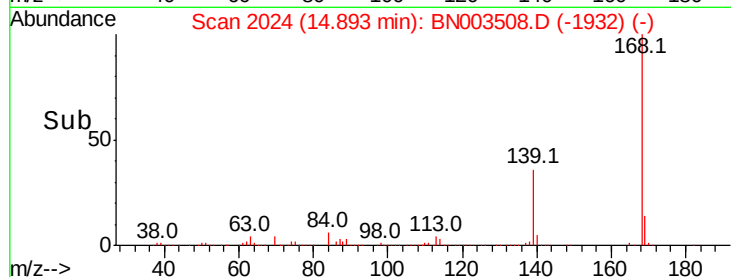
169 13.6 10.8 16.2



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

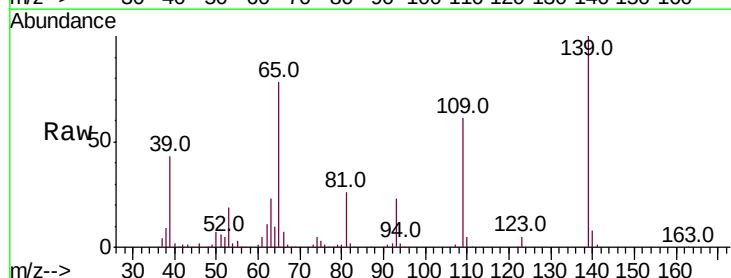
Tgt Ion:139 Resp: 430499

Ion Ratio Lower Upper

139 100

109 61.0 40.9 80.9

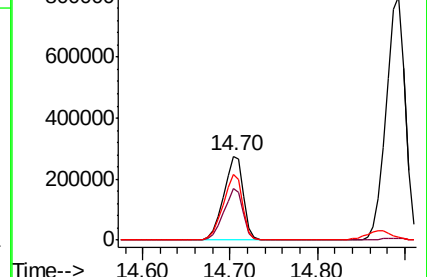
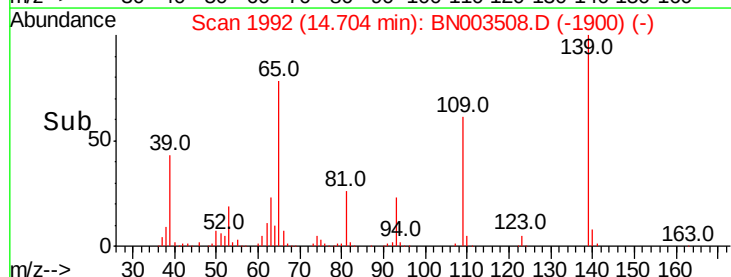
65 77.9 59.4 99.4

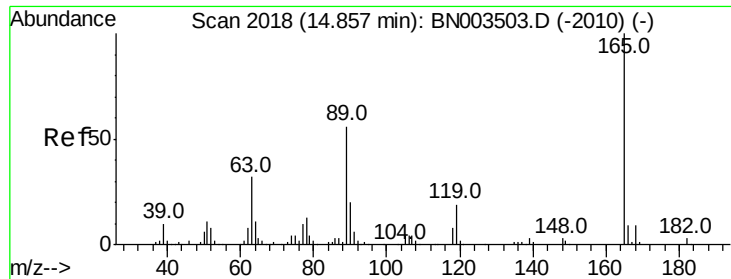


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

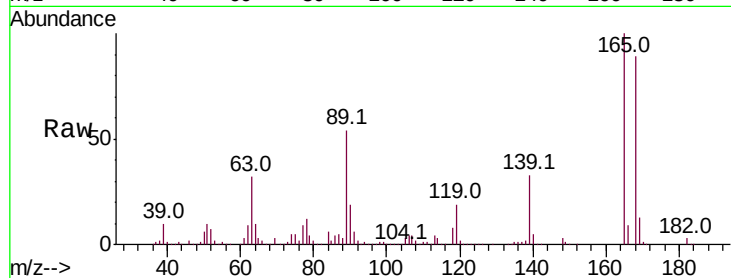




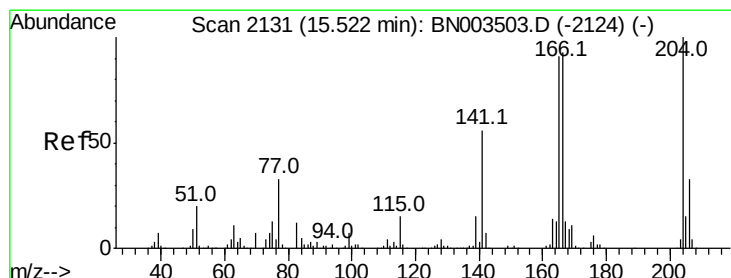
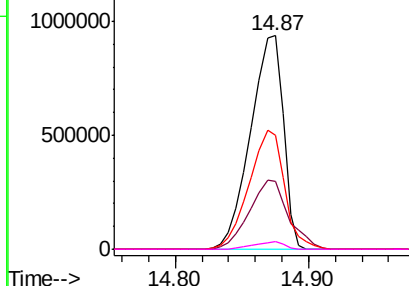
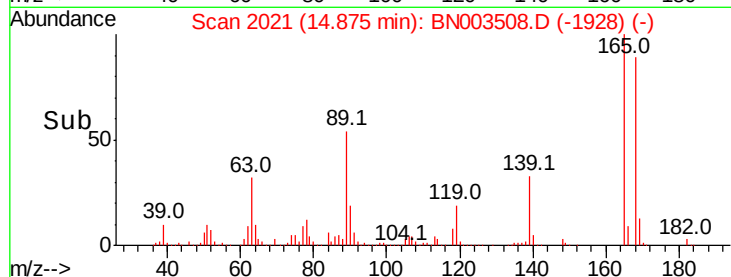
#57
 2,4-Dinitrotoluene
 Concen: 250.440 ng
 RT: 14.87 min Scan# 2021
 Delta R.T. 0.02 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

Instrument :
 BNA_N
 ClientSampled :
 PT-BNA-Soil

Tot 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

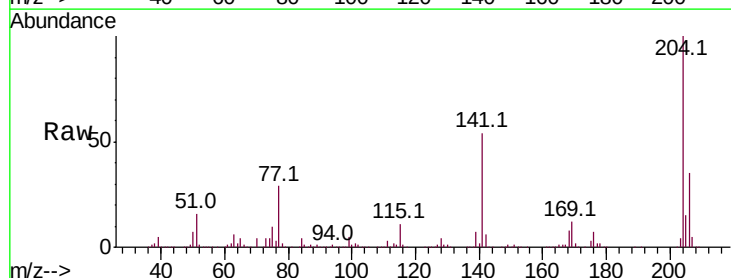


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

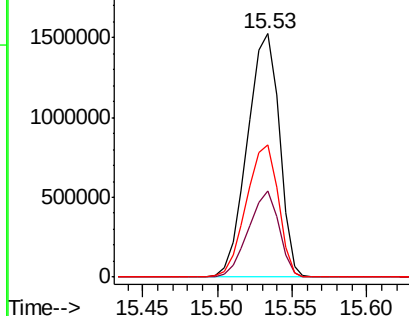
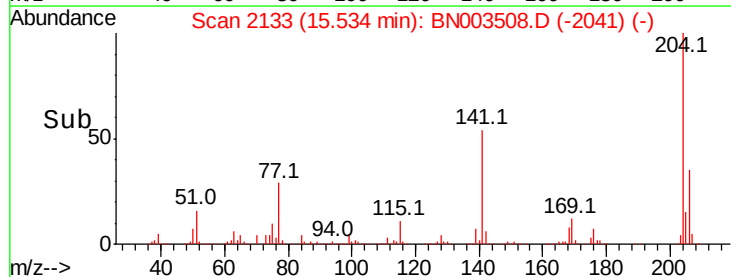


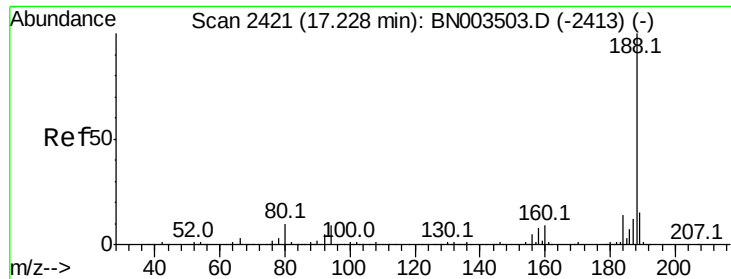
#61
 4-Chlorophenyl-phenylether
 Concen: 204.873 ng
 RT: 15.53 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BN003508.D
 Acq: 12 Nov 2018 14:53

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





#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

ClientSampled :

PT-BNA-Soil

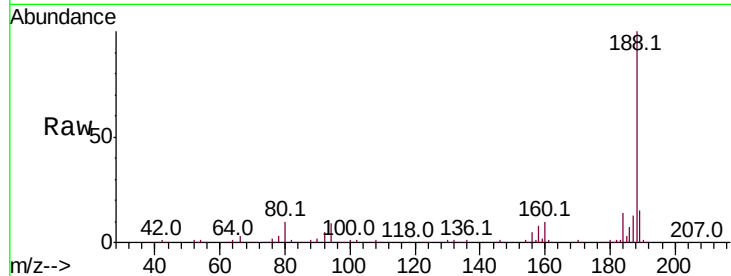
Tot Ion:188 Resp: 554149

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

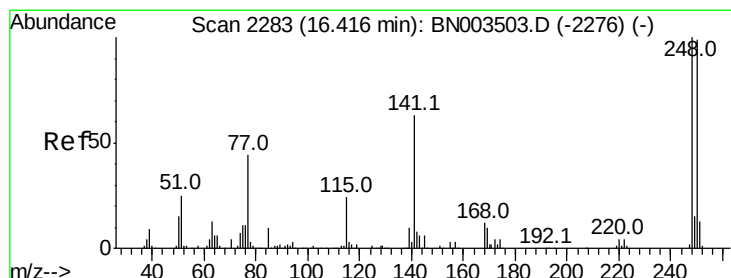
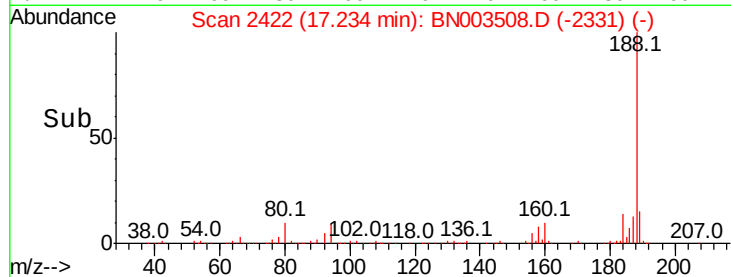
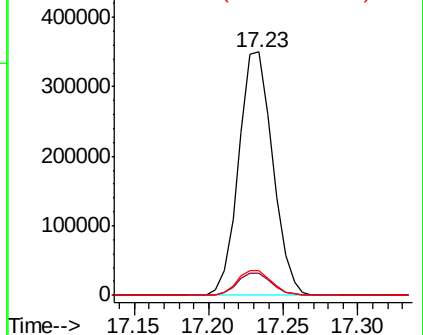
80 10.2 8.2 12.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#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

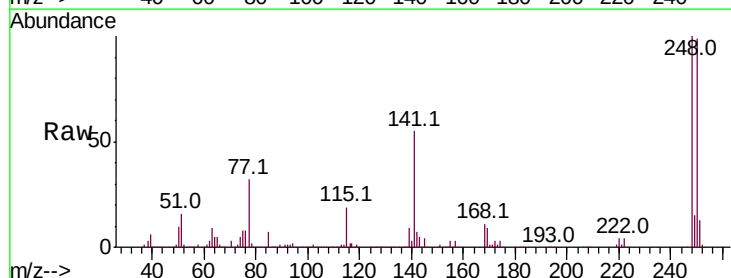
Tgt Ion:248 Resp: 1849973

Ion Ratio Lower Upper

248 100

250 99.3 79.0 118.6

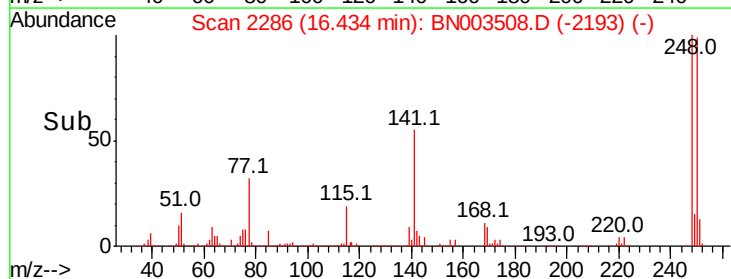
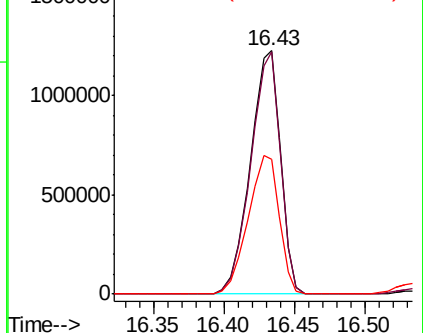
141 55.2 50.7 76.1

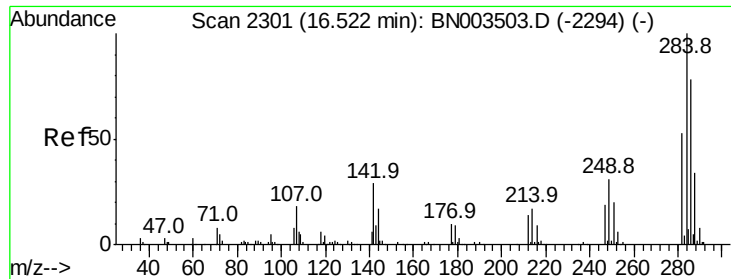


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

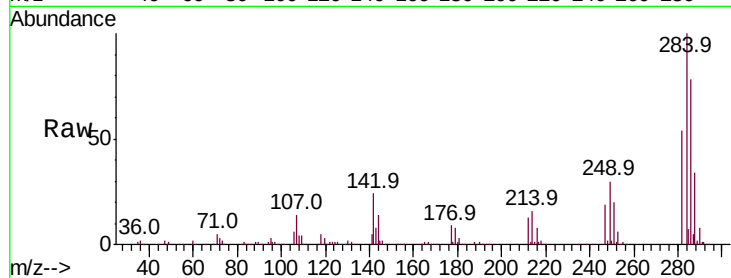




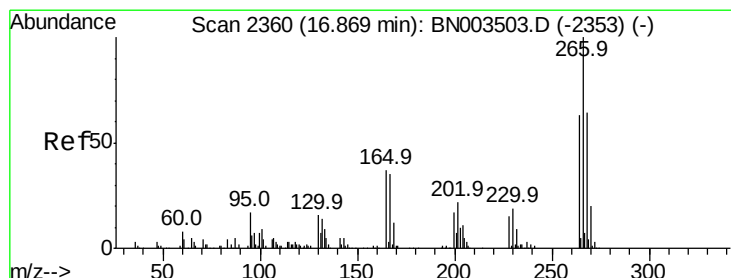
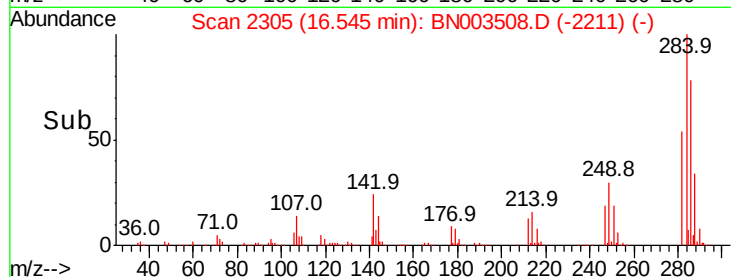
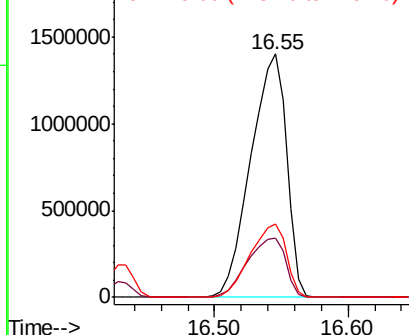
#68
Hexachlorobenzene
Concen: 320.139 ng
RT: 16.55 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

Instrument :
BNA_N
ClientSampleId :
PT-BNA-Soil

Tot Ion:284 Resp: 2604393
Ion Ratio Lower Upper
284 100
142 24.2 23.6 35.4
249 30.2 24.7 37.1

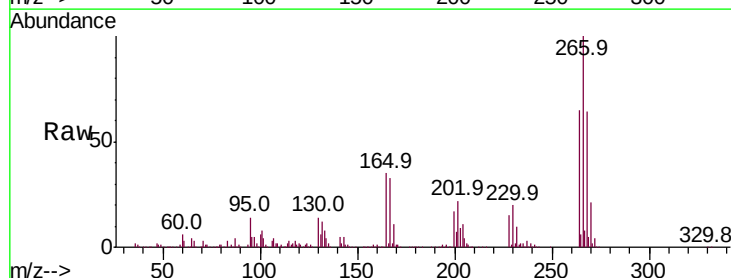


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

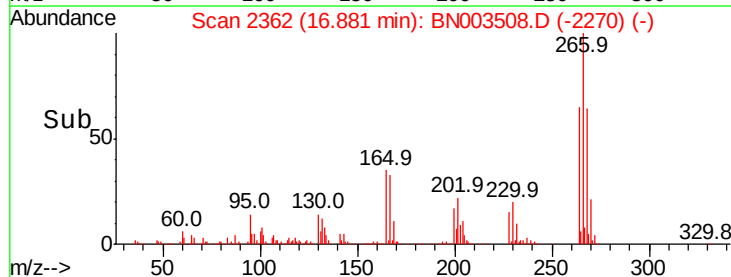
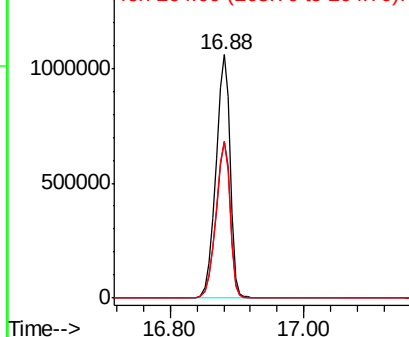


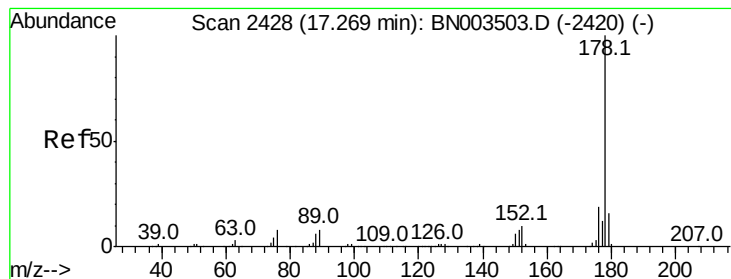
#70
Pentachlorophenol
Concen: 294.991 ng
RT: 16.88 min Scan# 2362
Delta R.T. 0.01 min
Lab File: BN003508.D
Acq: 12 Nov 2018 14:53

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



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 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

Instrument :

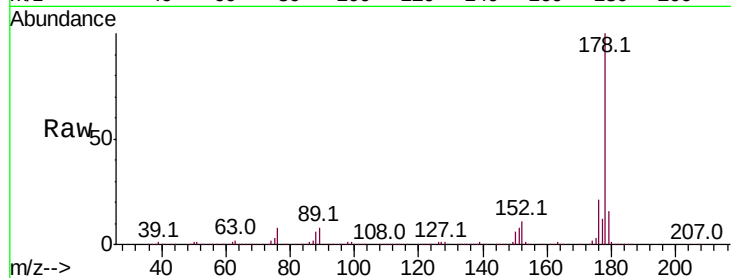
BNA_N

ClientSampleId :

PT-BNA-Soil

Tot Ion:178 Resp: 5714591

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.2	22.8
179	16.2	12.5	18.7

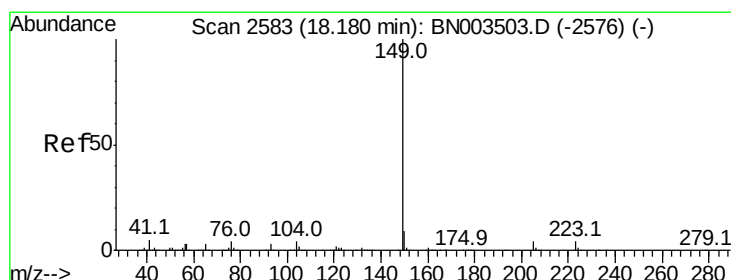
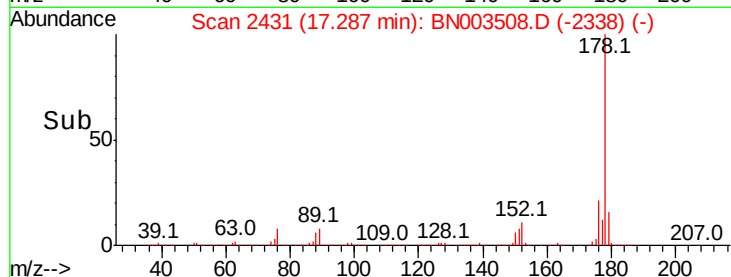
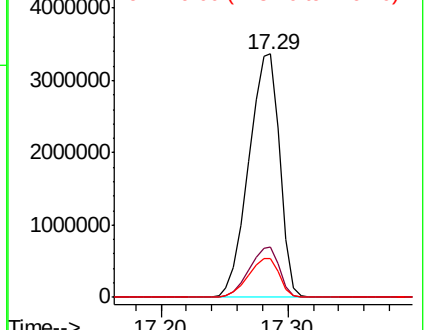


Abundance

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

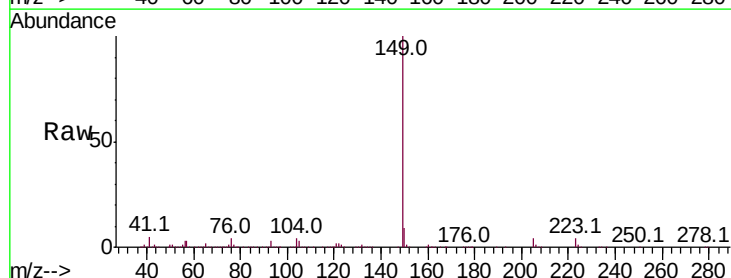
Delta R.T. 0.00 min

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

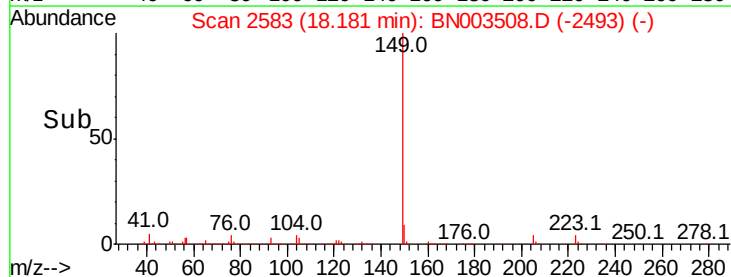
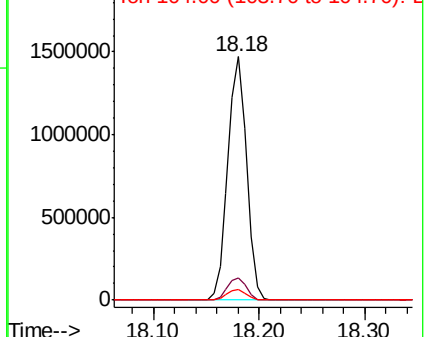


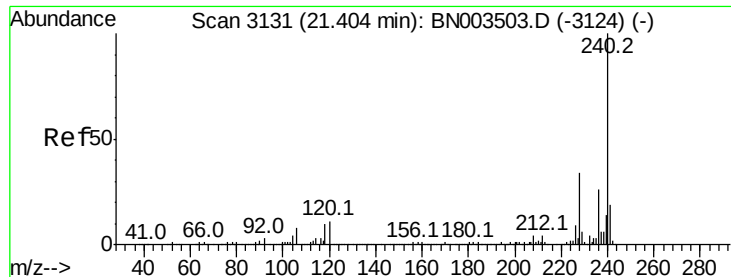
Abundance

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





#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

Instrument :

BNA_N

ClientSampled :

PT-BNA-Soil

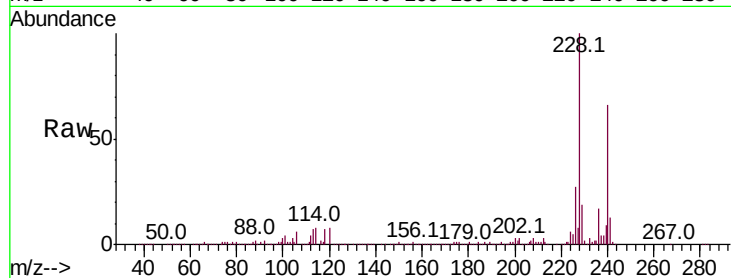
Tot Ion:240 Resp: 436078

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

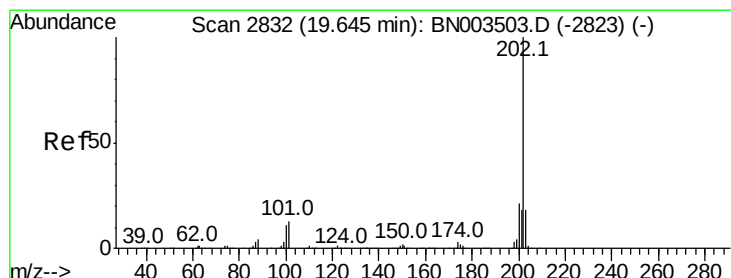
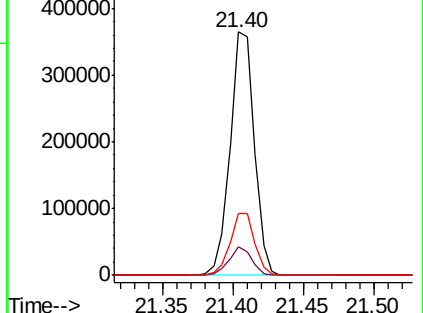
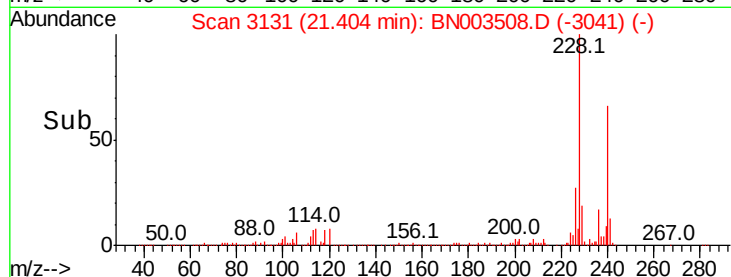
236 25.2 20.6 30.8



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



#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

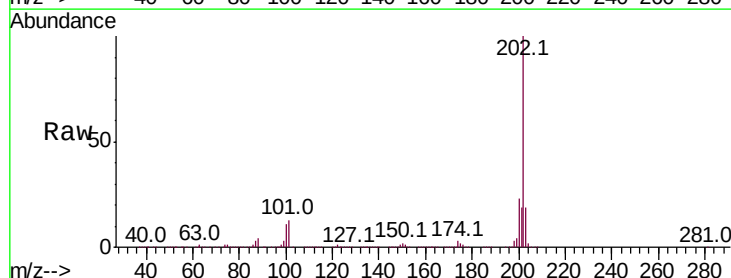
Tgt Ion:202 Resp: 7198598

Ion Ratio Lower Upper

202 100

200 23.0 16.8 25.2

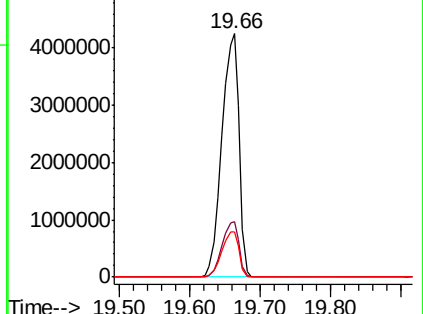
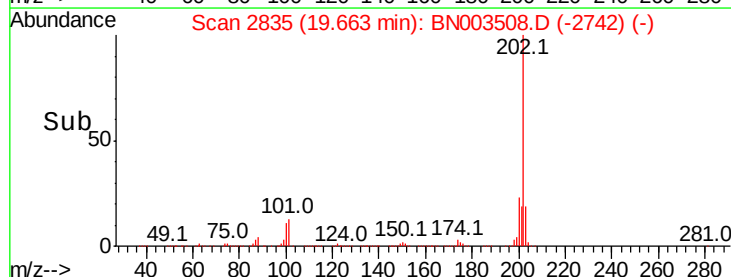
203 18.5 14.2 21.2

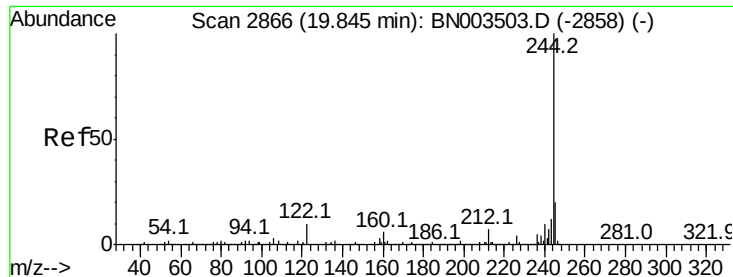


Abundance Ion 202.00 (201.70 to 202.70): E

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

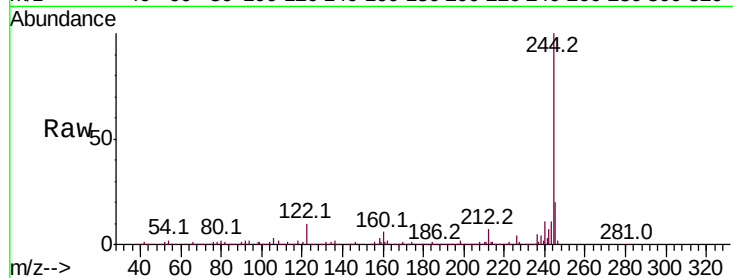
Tot Ion:244 Resp: 2565149

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

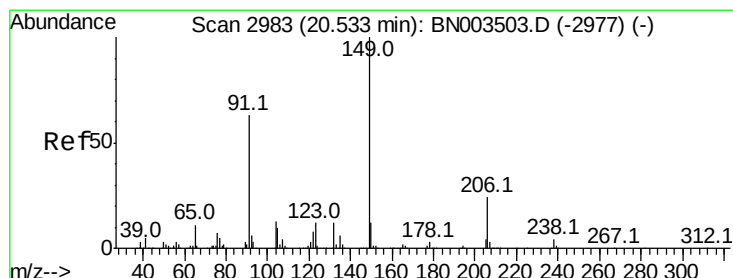
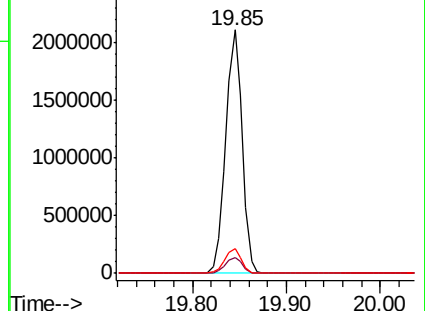
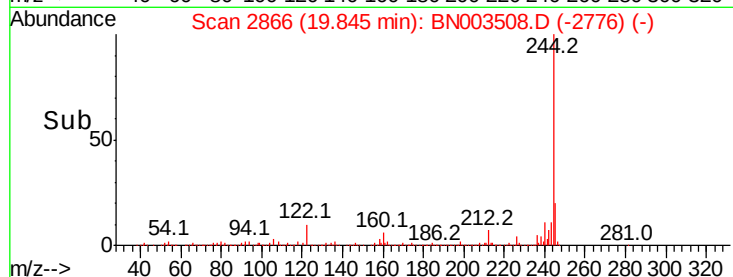
122 10.3 8.2 12.2



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

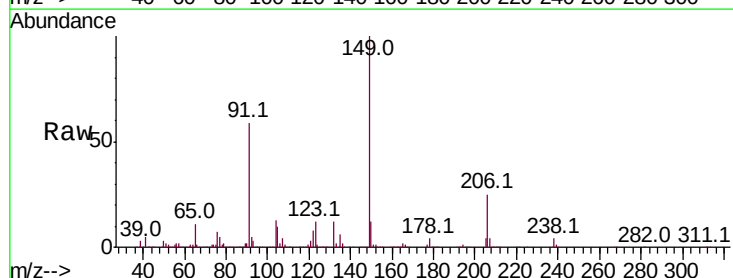
Tgt Ion:149 Resp: 1590349

Ion Ratio Lower Upper

149 100

91 59.0 50.3 75.5

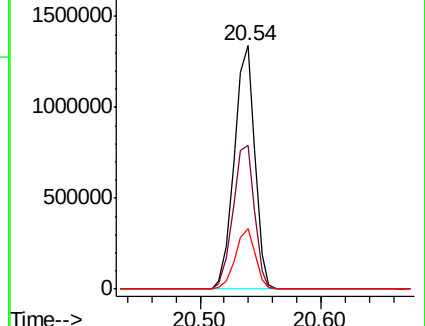
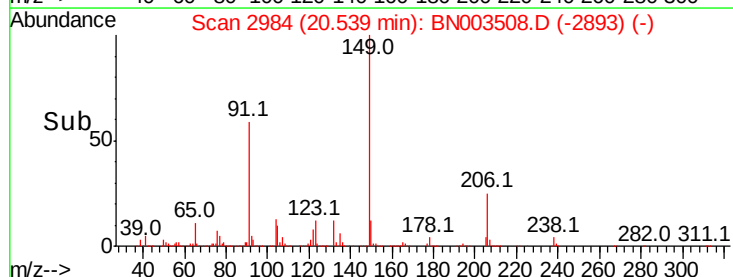
206 25.1 19.0 28.6

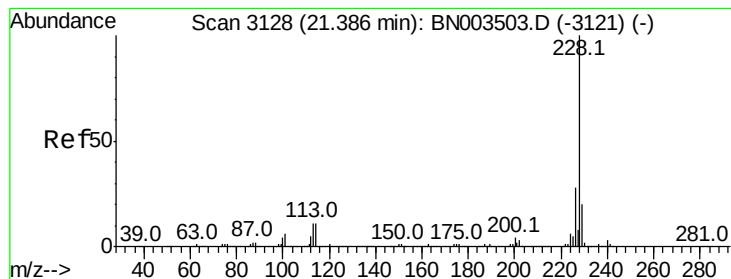


Abundance Ion 149.00 (148.70 to 149.70): E

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

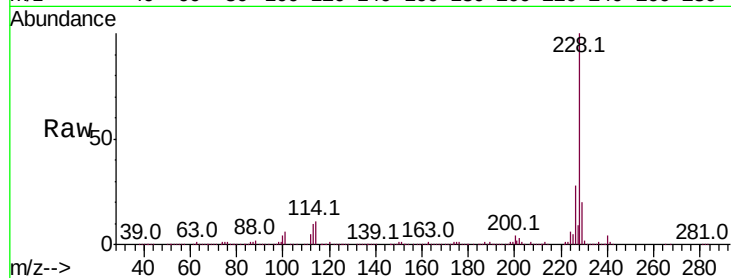
Tot Ion:228 Resp: 2375441

Ion Ratio Lower Upper

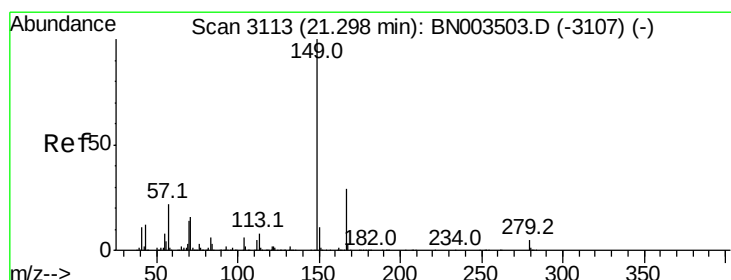
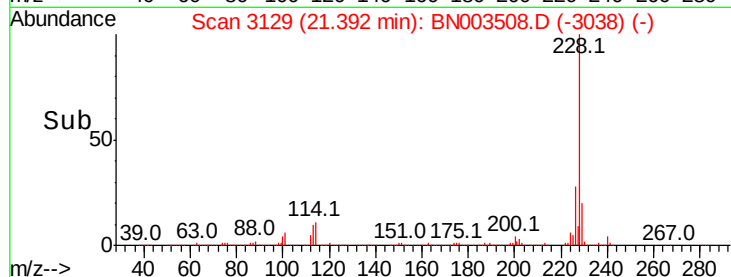
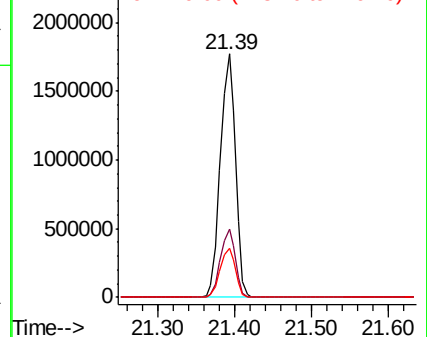
228 100

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



#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

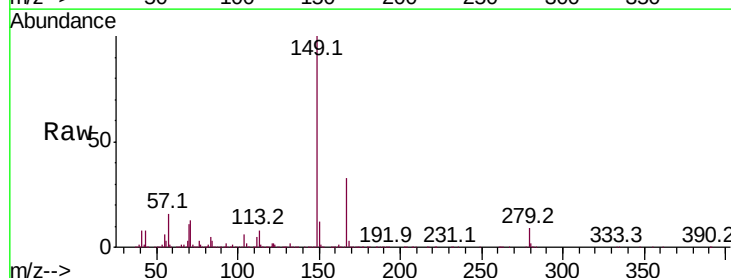
Tgt Ion:149 Resp: 4881667

Ion Ratio Lower Upper

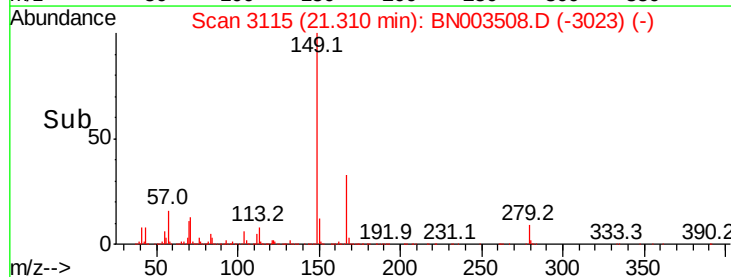
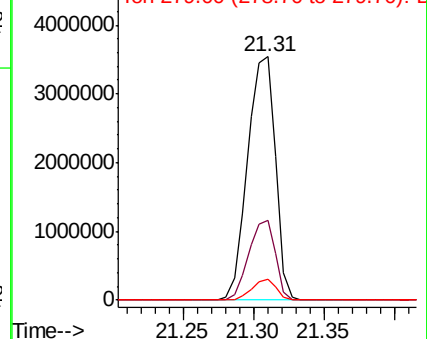
149 100

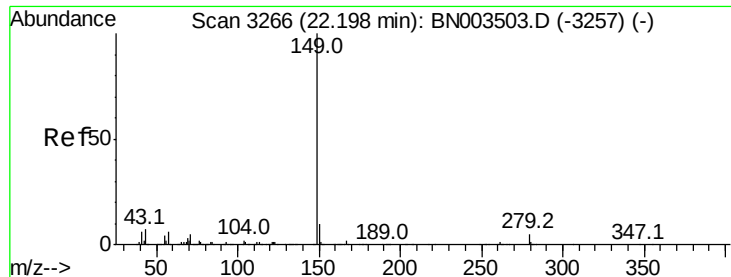
167 32.9 23.0 34.6

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

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

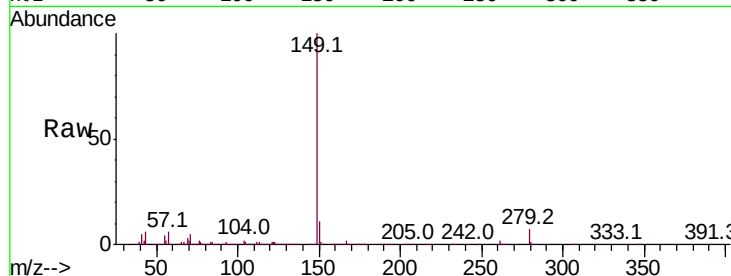
Tot Ion:149 Resp: 5417154

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

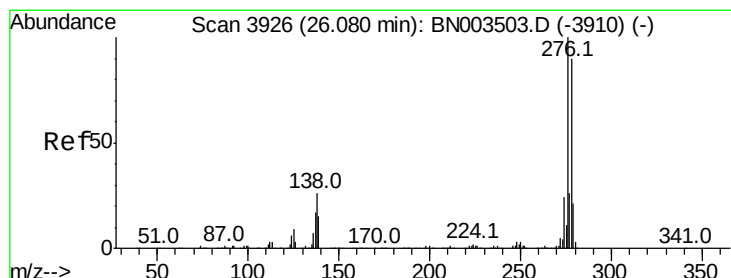
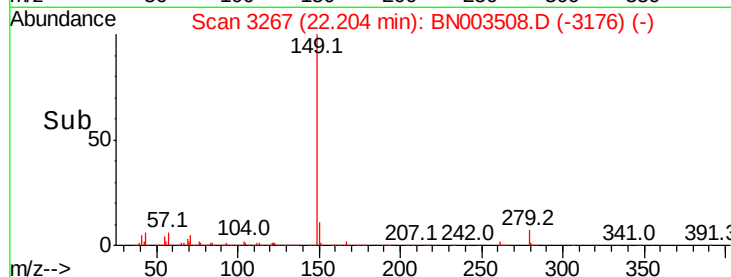
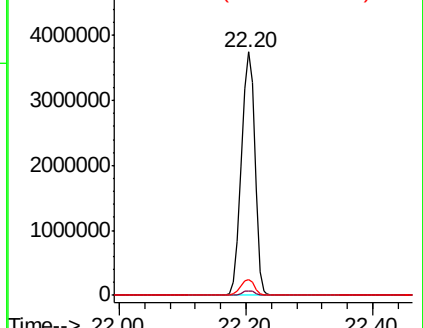
43 6.7 6.0 9.0



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

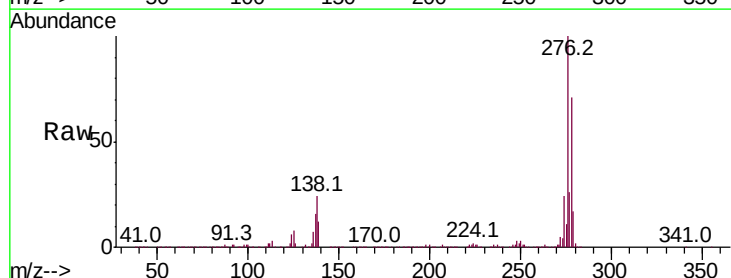
Tgt Ion:276 Resp: 6433275

Ion Ratio Lower Upper

276 100

138 22.0 20.1 30.1

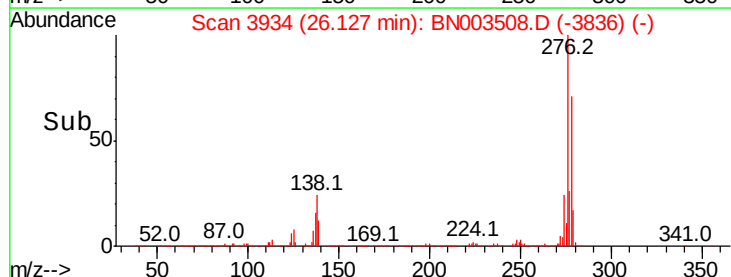
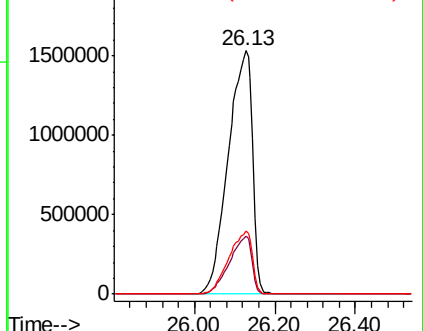
277 25.1 20.3 30.5

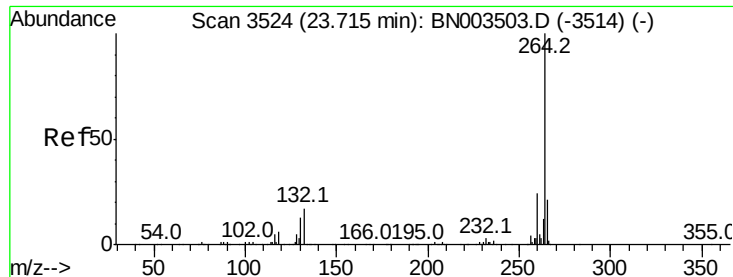


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-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

Instrument :

BNA_N

ClientSampleId :

PT-BNA-Soil

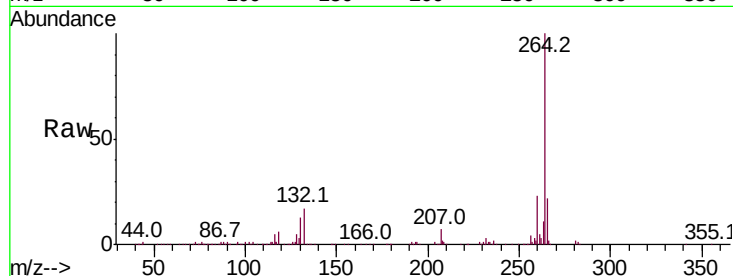
Tot Ion:264 Resp: 430296

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

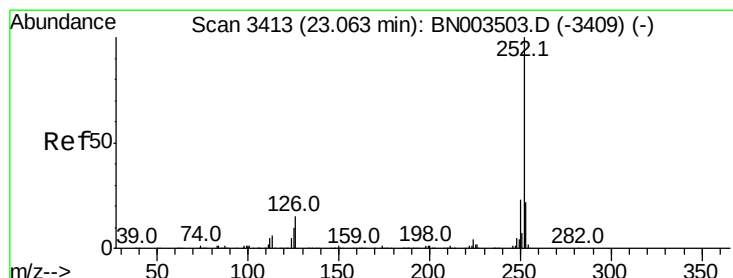
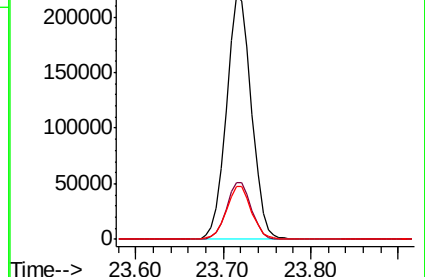
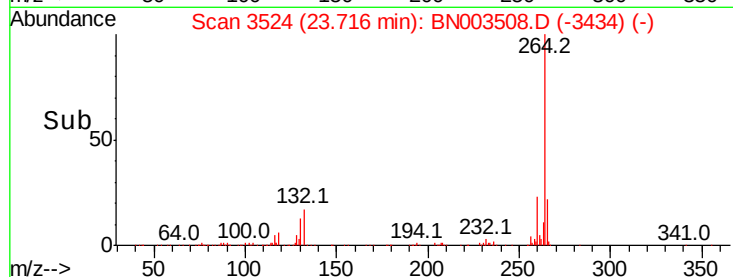
265 21.7 17.2 25.8



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



#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

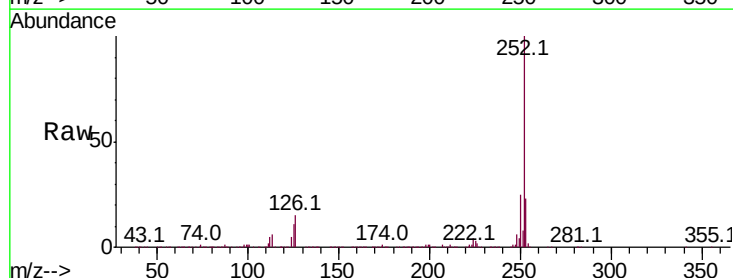
Tgt Ion:252 Resp: 5589531

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

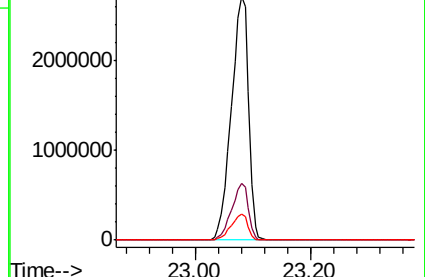
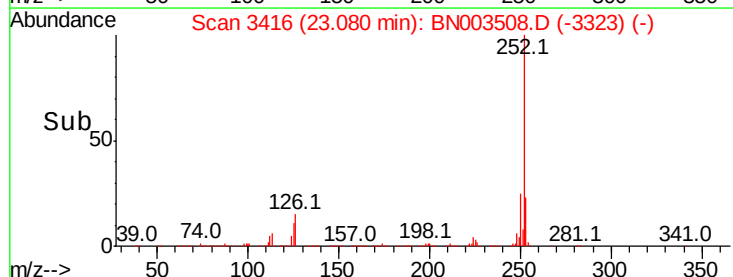
125 10.6 8.4 12.6

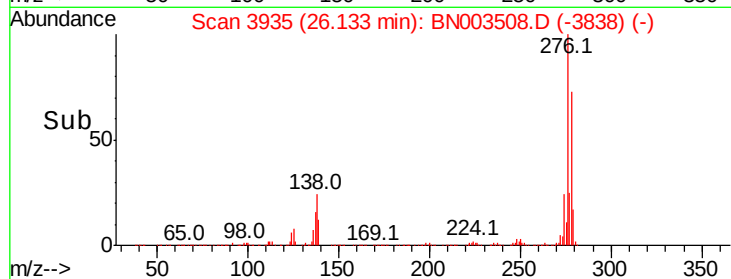
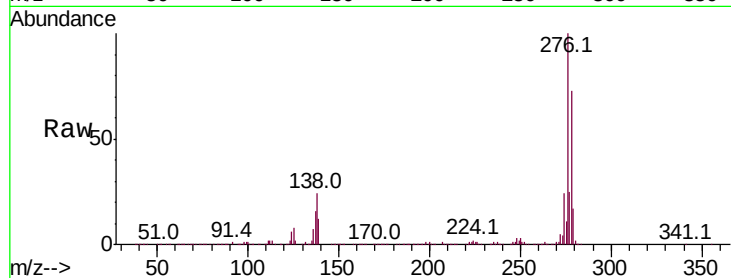
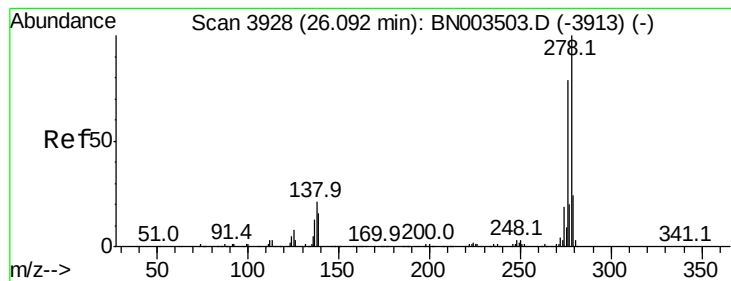


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 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

Tot Ion:278 Resp: 2799687

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

279 23.6 19.0 28.4

