

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111218\
 Data File : BN003509.D
 Acq On : 12 Nov 2018 16:06
 Operator : MJ/SJ
 Sample : J5807-13DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SoilDL

Quant Time: Nov 12 16:48:37 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	94603	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	435490	20.00	ng	0.00
39) Acenaphthene-d10	14.48	164	264367	20.00	ng	0.00
64) Phenanthrene-d10	17.23	188	587880	20.00	ng	0.00
76) Chrysene-d12	21.40	240	511329	20.00	ng	0.00
87) Perylene-d12	23.72	264	457705	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	130558	24.89	ng	0.00
7) Phenol-d6	7.00	99	198396	27.27	ng	0.00
23) Nitrobenzene-d5	9.01	82	118095	17.07	ng	0.00
42) 2,4,6-Tribromophenol	15.97	330	114669	29.10	ng	0.00
45) 2-Fluorobiphenyl	13.10	172	379655	19.17	ng	0.00
79) Terphenyl-d14	19.84	244	600795	23.13	ng	0.00

Target Compounds				Qvalue		
10) Phenol	7.03	94	482881	61.522	ng	99
11) bis(2-Chloroethyl)ether	7.27	93	56579	9.092	ng	99
12) 1,3-Dichlorobenzene	7.73	146	163859	21.875	ng	98
13) 1,4-Dichlorobenzene	7.88	146	74734	9.762	ng	99
14) 1,2-Dichlorobenzene	8.20	146	372360	50.288	ng	99
18) Hexachloroethane	8.92	117	108988	43.743	ng	96
24) Nitrobenzene	9.06	77	394226	55.527	ng	98
25) Isophorone	9.57	82	752701	62.825	ng	99
26) 2-Nitrophenol	9.76	139	129396	32.057	ng	100
28) bis(2-Chloroethoxy)methane	10.05	93	83112	9.964	ng	99
30) 1,2,4-Trichlorobenzene	10.50	180	215939	27.909	ng	99
36) 4-Chloro-3-methylphenol	11.92	107	259568	36.096	ng	98
44) 2,4,5-Trichlorophenol	12.97	196	143148	22.742	ng	99
47) 2-Chloronaphthalene	13.36	162	585571	33.239	ng	99
50) Dimethylphthalate	13.94	163	524214	25.312	ng	100
51) 2,6-Dinitrotoluene	14.07	165	163713	33.866	ng	98
55) Dibenzofuran	14.88	168	755438	29.095	ng	99
56) 4-Nitrophenol	14.69	139	75715	19.175	ng	99
57) 2,4-Dinitrotoluene	14.85	165	325922	49.880	ng	97
61) 4-Chlorophenyl-phenylether	15.52	204	488727	43.269	ng	99
67) 4-Bromophenyl-phenylether	16.42	248	388368	52.375	ng	99
68) Hexachlorobenzene	16.52	284	557154	64.557	ng	98
70) Pentachlorophenol	16.87	266	315866	54.914	ng	99
71) Phenanthrene	17.27	178	1392391	45.338	ng	99
74) Di-n-butylphthalate	18.17	149	350913	10.094	ng	100
78) Pyrene	19.65	202	1927747	55.852	ng	99
80) Butylbenzylphthalate	20.53	149	356350	24.090	ng	99
81) Benzo(a)anthracene	21.39	228	557304	19.160	ng	98
84) Bis(2-ethylhexyl)phthalate	21.30	149	1448415	67.520	ng	99
85) Di-n-octyl phthalate	22.20	149	1475973	46.327	ng	100
86) Indeno(1,2,3-cd)pyrene	26.07	276	1315460	44.793	ng	96
89) Benzo(k)fluoranthene	23.06	252	1275675	50.307	ng	100
91) Dibenzo(a,h)anthracene	26.09	278	577454	24.017	ng	98

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Response via : Initial Calibration

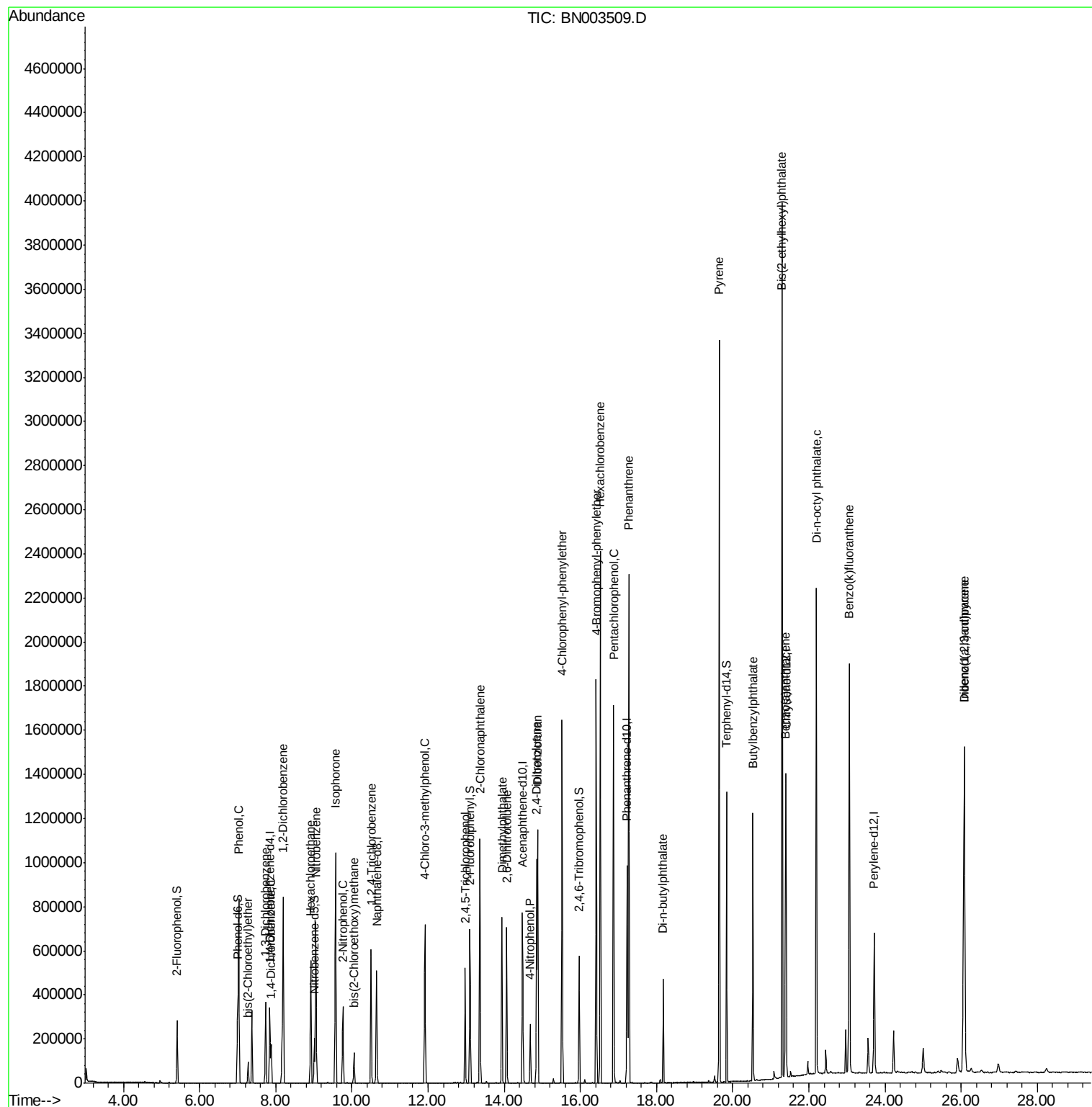
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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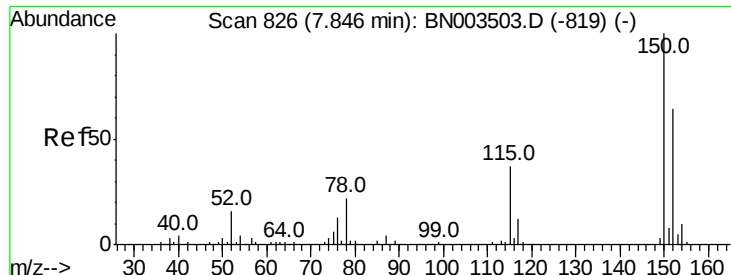
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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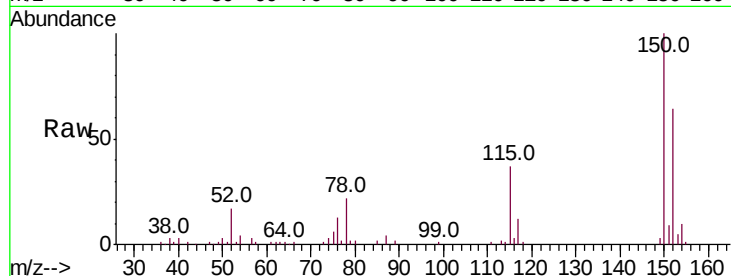


#1

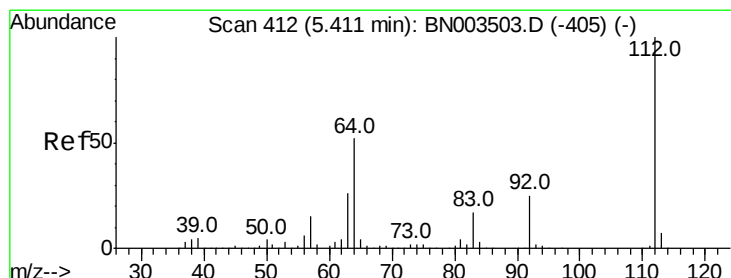
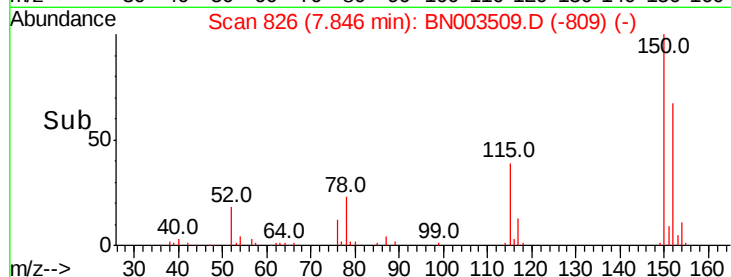
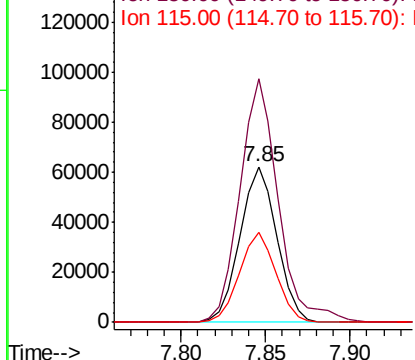
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 826
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SoilDL

Tot Ion:152 Resp: 94603
Ion Ratio Lower Upper
152 100
150 156.7 125.4 188.0
115 57.6 45.9 68.9



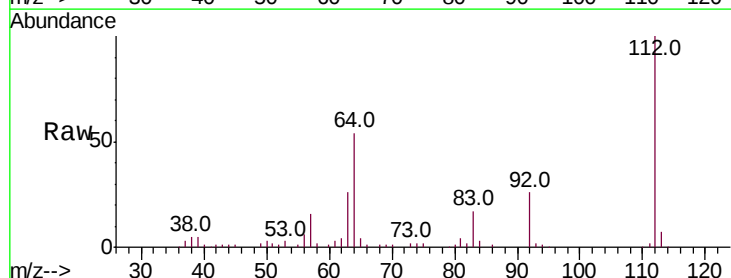
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



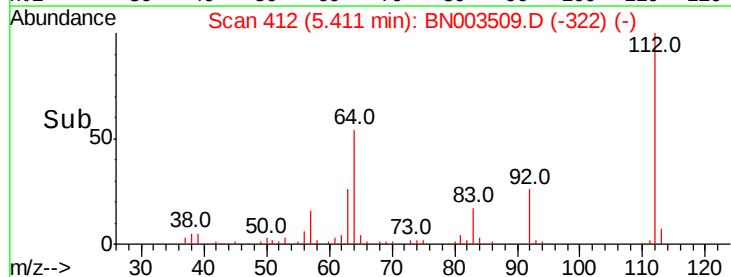
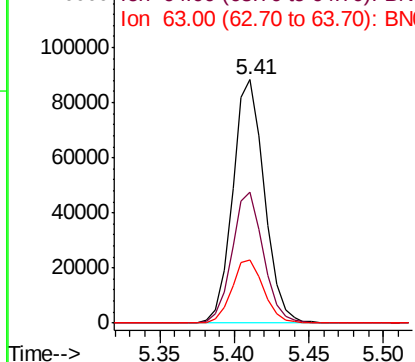
#5

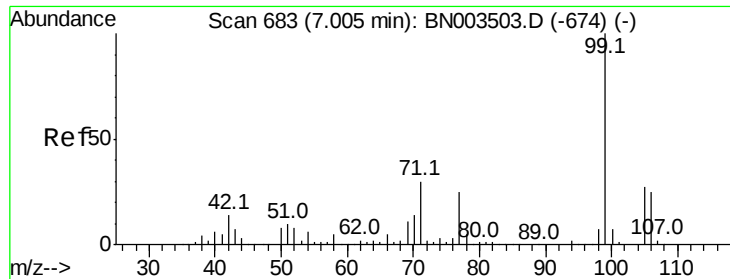
2-Fluorophenol
Concen: 24.890 ng
RT: 5.41 min Scan# 412
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:112 Resp: 130558
Ion Ratio Lower Upper
112 100
64 53.6 41.4 62.2
63 26.0 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: 27.273 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SoilDL

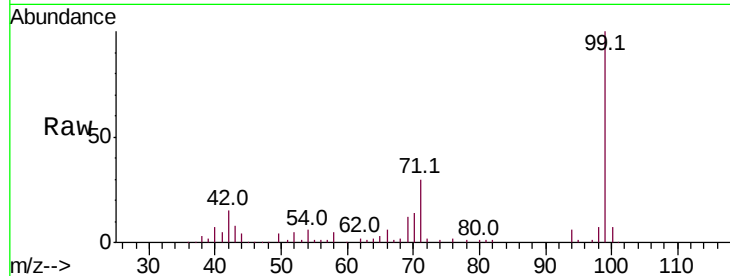
Tot Ion: 99 Resp: 198396

Ion Ratio Lower Upper

99 100

42 15.2 11.6 17.4

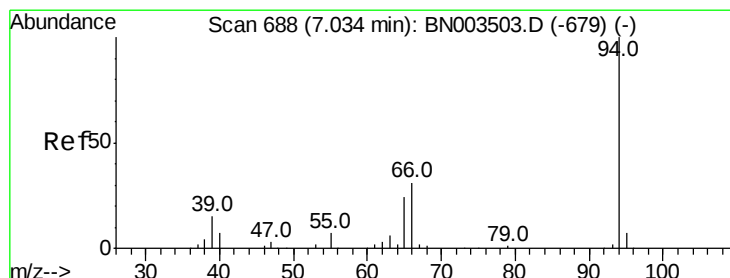
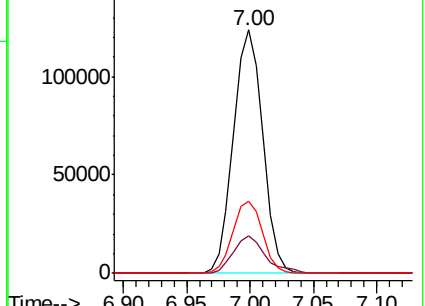
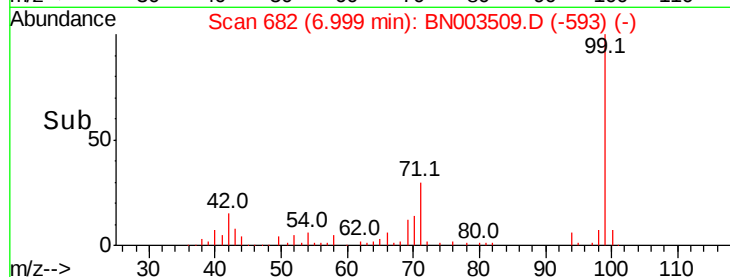
71 29.7 24.2 36.2



Abundance Ion 99.00 (98.70 to 99.70): BN003503.D (-674) (-)

Ion 42.00 (41.70 to 42.70): BN003503.D (-674) (-)

Ion 71.00 (70.70 to 71.70): BN003503.D (-674) (-)



#10

Phenol

Concen: 61.522 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

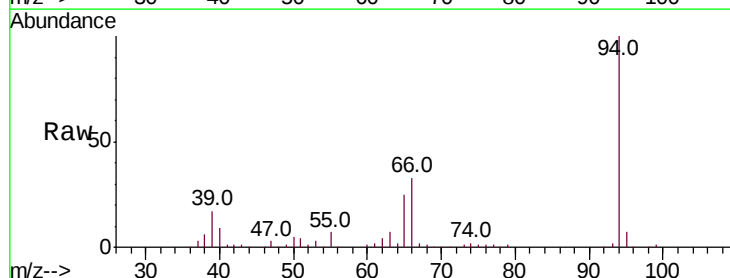
Tgt Ion: 94 Resp: 482881

Ion Ratio Lower Upper

94 100

65 24.7 4.5 44.5

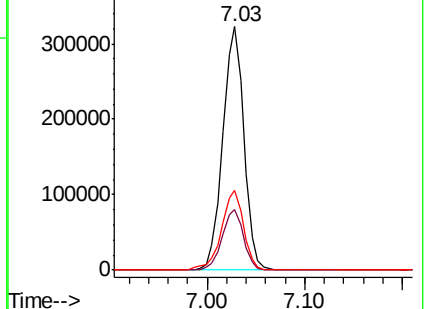
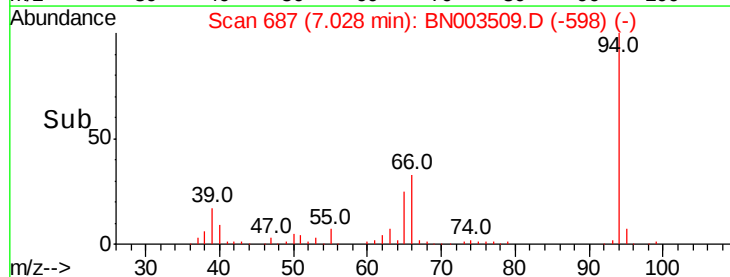
66 32.7 12.0 52.0

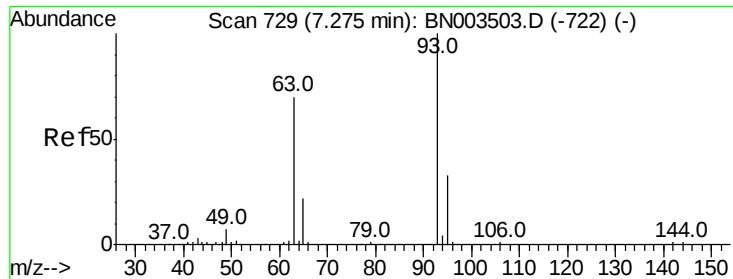


Abundance Ion 94.00 (93.70 to 94.70): BN003503.D (-679) (-)

Ion 65.00 (64.70 to 65.70): BN003503.D (-679) (-)

Ion 66.00 (65.70 to 66.70): BN003503.D (-679) (-)





#11

bis(2-Chloroethyl)ether

Concen: 9.092 ng

RT: 7.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

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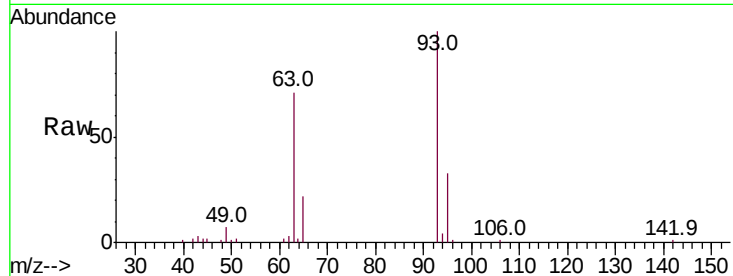
Tot Ion: 93 Resp: 56579

Ion Ratio Lower Upper

93 100

63 71.0 49.9 89.9

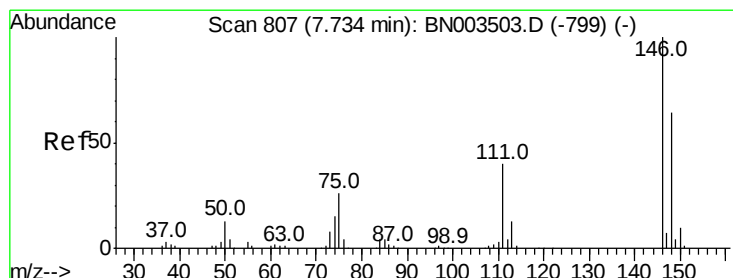
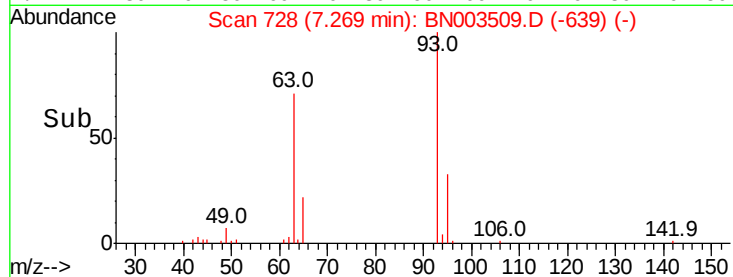
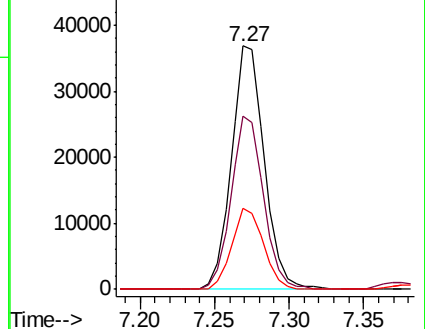
95 33.3 12.4 52.4



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: 21.875 ng

RT: 7.73 min Scan# 807

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

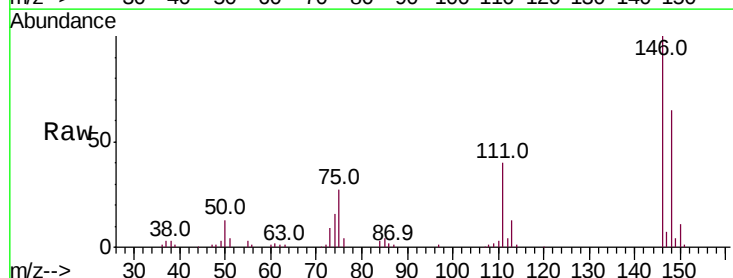
Tgt Ion: 146 Resp: 163859

Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

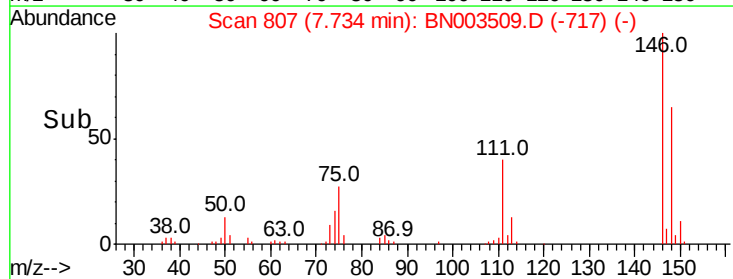
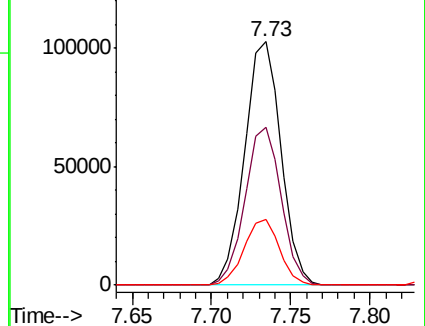
75 26.8 20.5 30.7

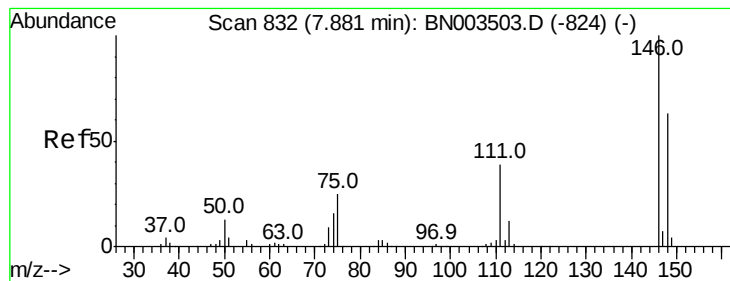


Abundance Ion 146.00 (145.70 to 146.70): BN003503.D (-799) (-)

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: 9.762 ng

RT: 7.88 min Scan# 832

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

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BNA_N

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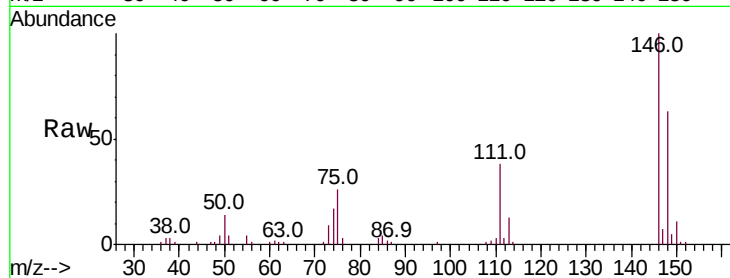
Tot Ion:146 Resp: 74734

Ion Ratio Lower Upper

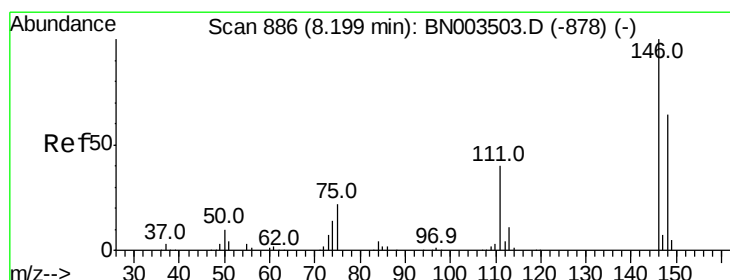
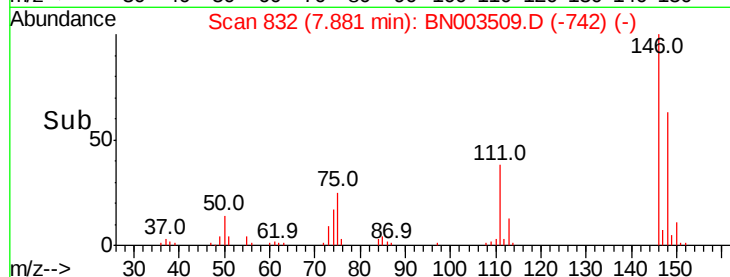
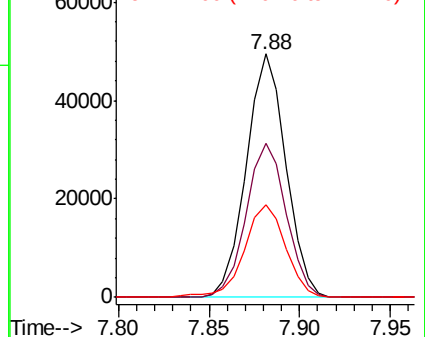
146 100

148 63.1 50.8 76.2

111 38.1 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: 50.288 ng

RT: 8.20 min Scan# 886

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

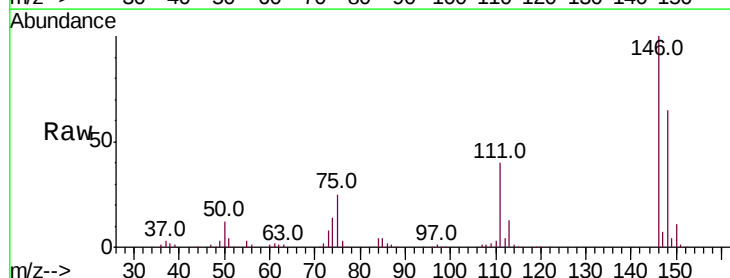
Tgt Ion:146 Resp: 372360

Ion Ratio Lower Upper

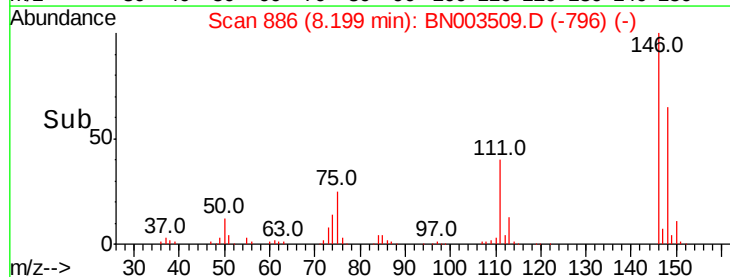
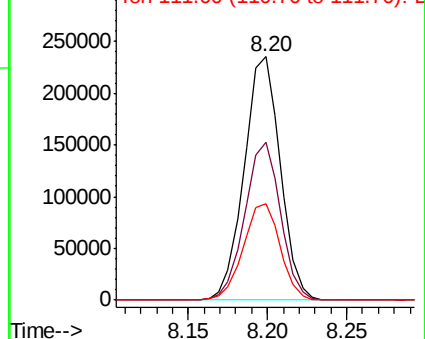
146 100

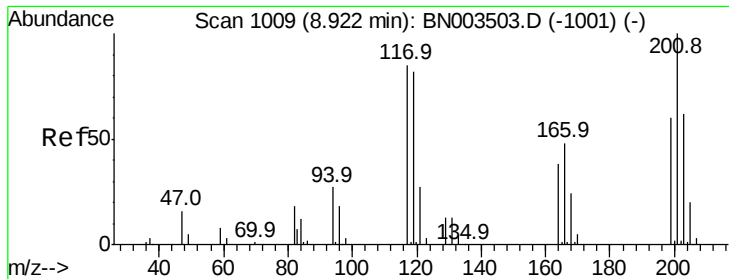
148 64.9 51.4 77.0

111 39.8 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

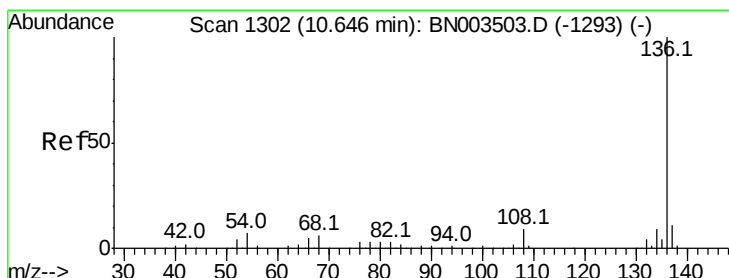
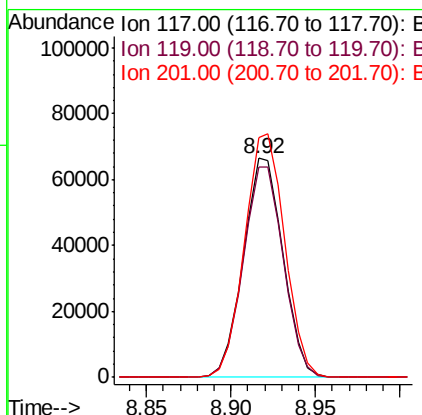
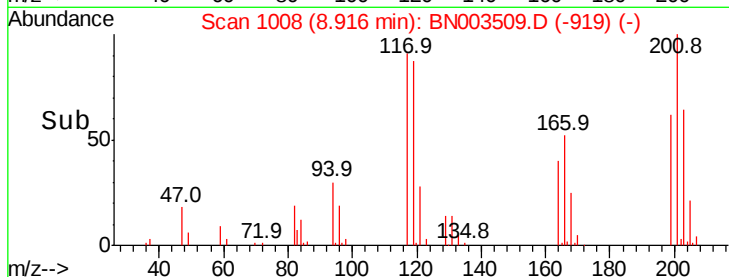
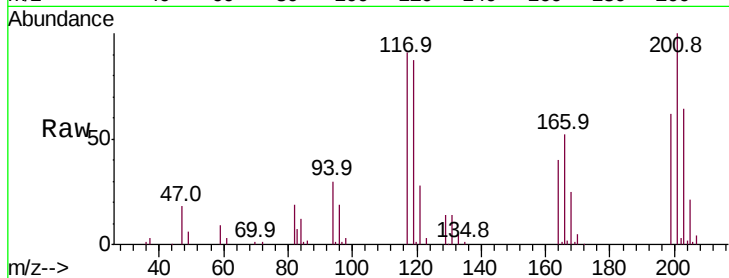




#18
Hexachloroethane
Concen: 43.743 ng
RT: 8.92 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

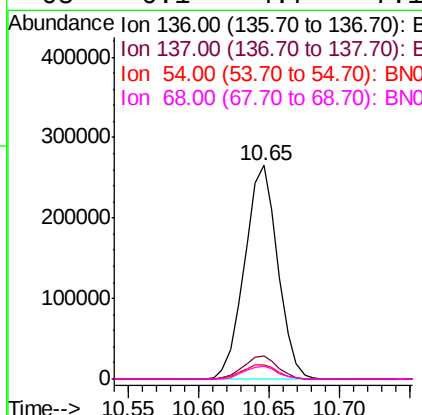
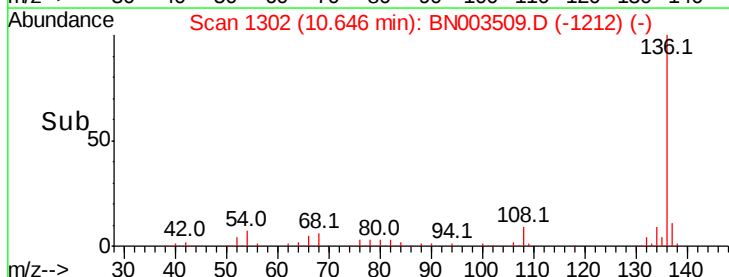
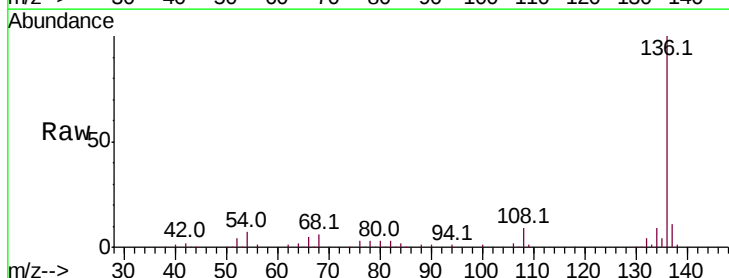
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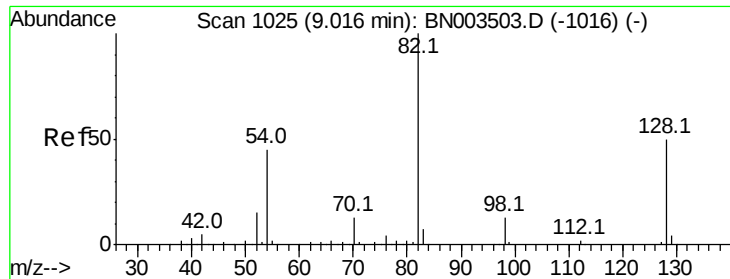
Tot Ion:117 Resp: 108988
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7
201 109.5 93.6 140.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:136 Resp: 435490
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.8 5.7 8.5
68 6.1 4.7 7.1

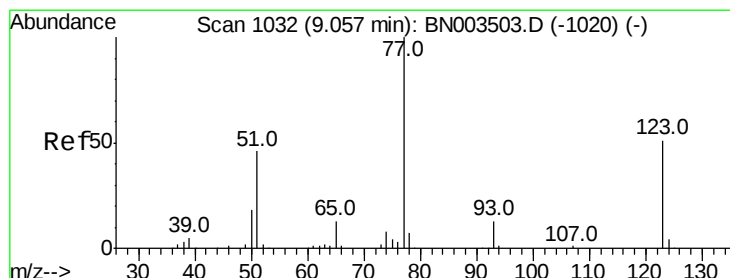
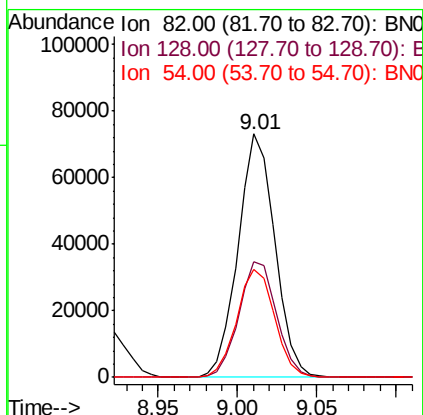
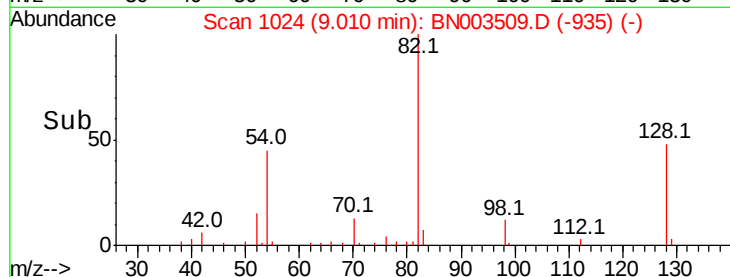
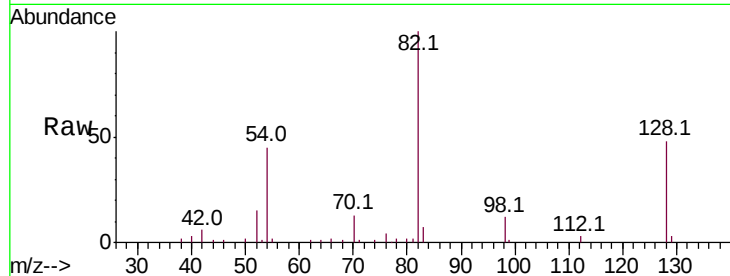




#23
Nitrobenzene-d5
Concen: 17.070 ng
RT: 9.01 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

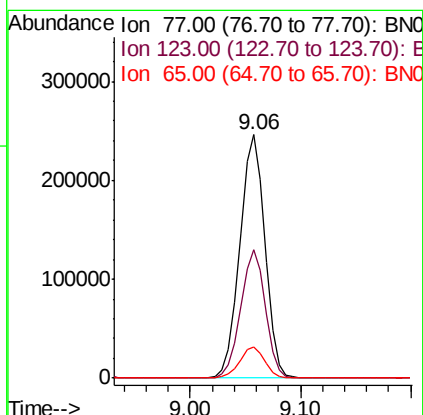
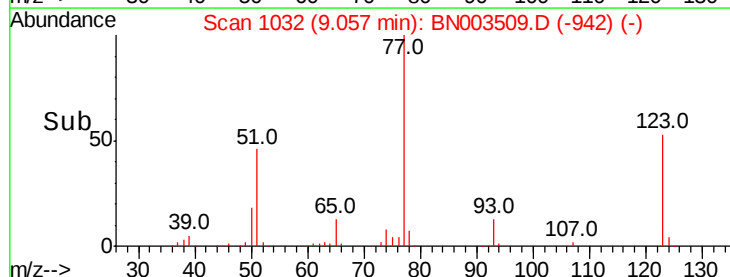
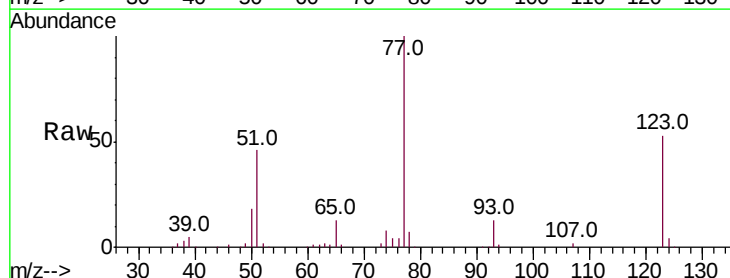
Instrument :
BNA_N
ClientSampleID :
PT-BNA-SoilDL

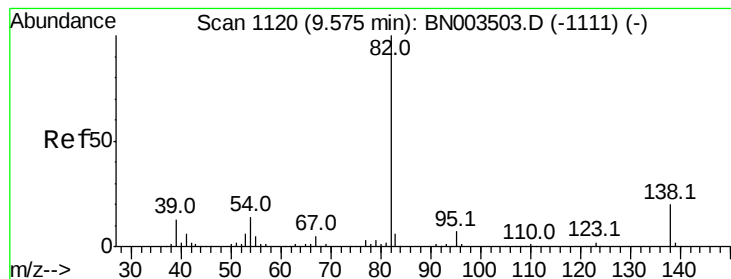
Tot Ion: 82 Resp: 118095
Ion Ratio Lower Upper
82 100
128 47.5 40.0 60.0
54 44.6 36.1 54.1



#24
Nitrobenzene
Concen: 55.527 ng
RT: 9.06 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion: 77 Resp: 394226
Ion Ratio Lower Upper
77 100
123 52.9 41.0 61.4
65 12.9 10.3 15.5





#25

Isophorone

Concen: 62.825 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SoilDL

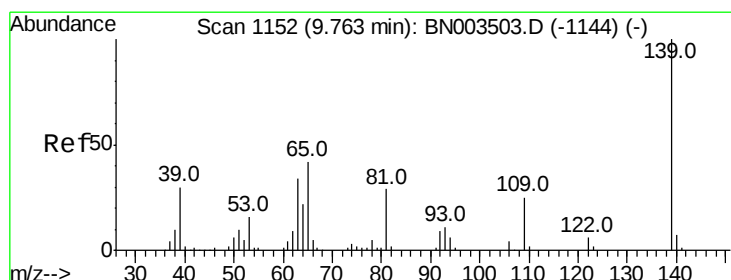
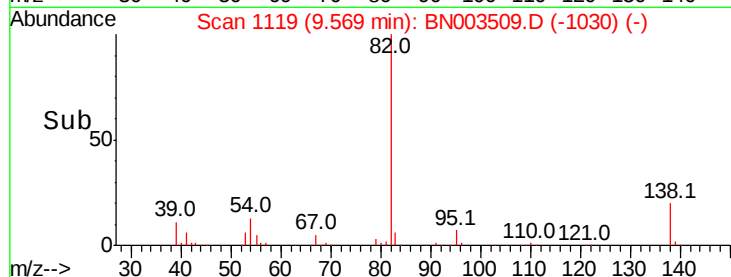
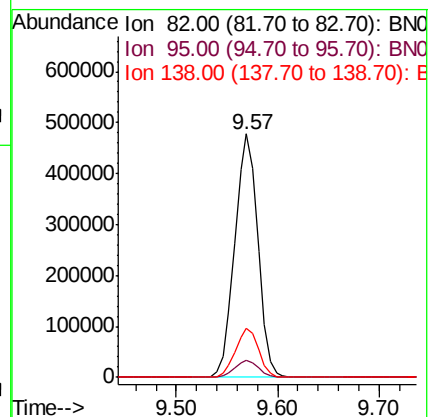
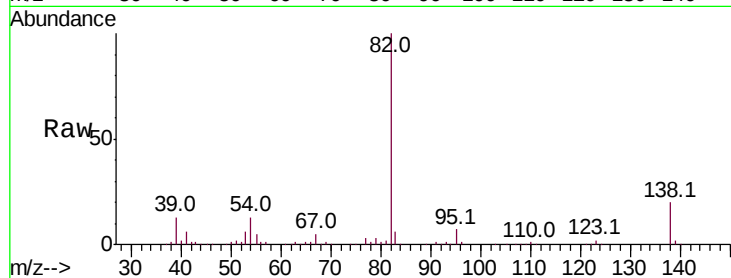
Tot Ion: 82 Resp: 752701

Ion Ratio Lower Upper

82 100

95 7.1 5.7 8.5

138 20.1 16.4 24.6



#26

2-Nitrophenol

Concen: 32.057 ng

RT: 9.76 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

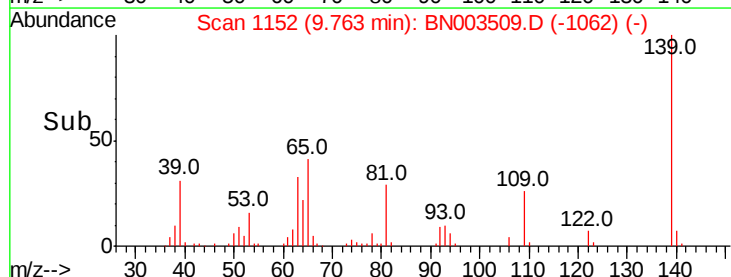
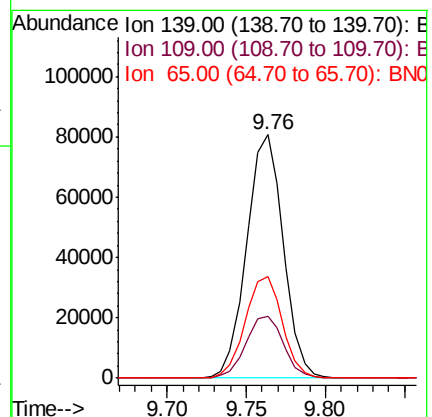
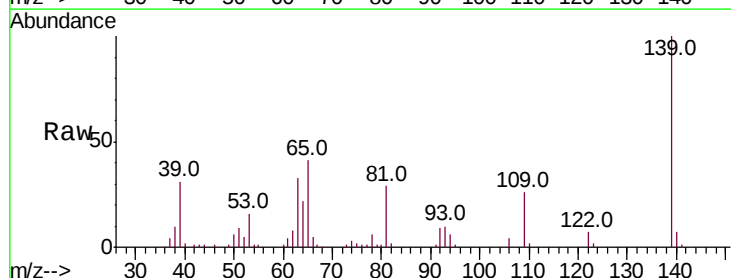
Tgt Ion:139 Resp: 129396

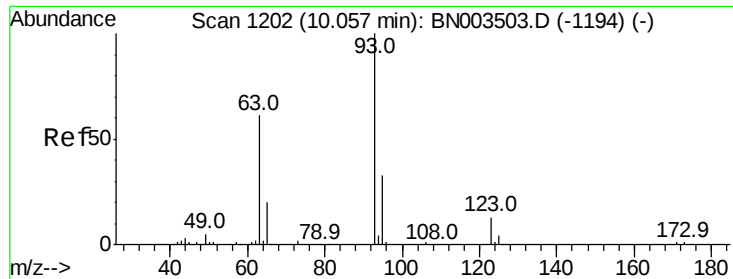
Ion Ratio Lower Upper

139 100

109 25.5 20.4 30.6

65 41.5 33.4 50.0

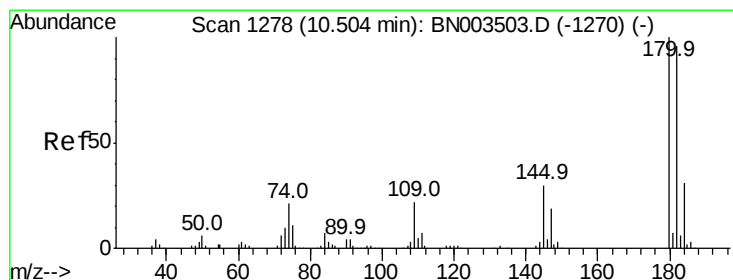
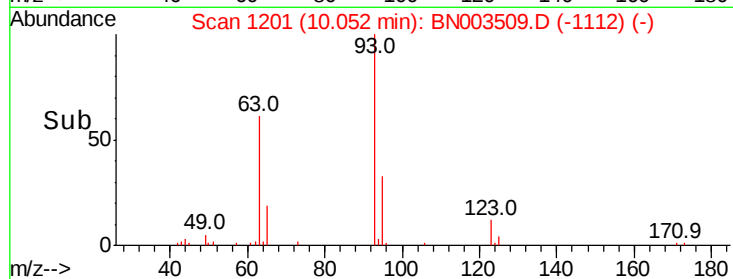
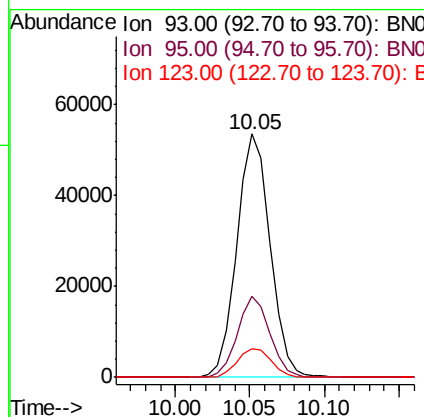
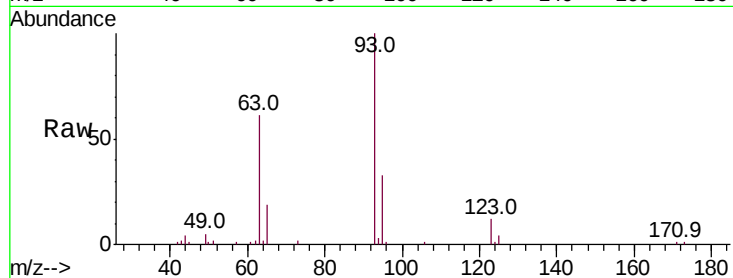




#28
 bis(2-Chloroethoxy)methane
 Concen: 9.964 ng
 RT: 10.05 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

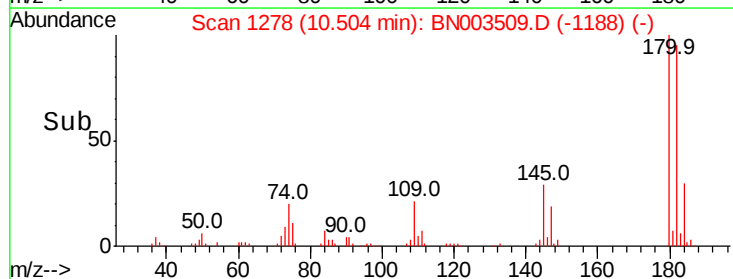
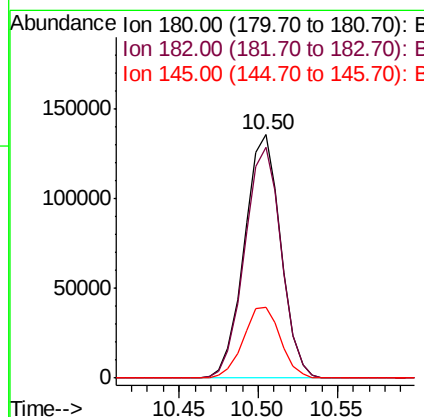
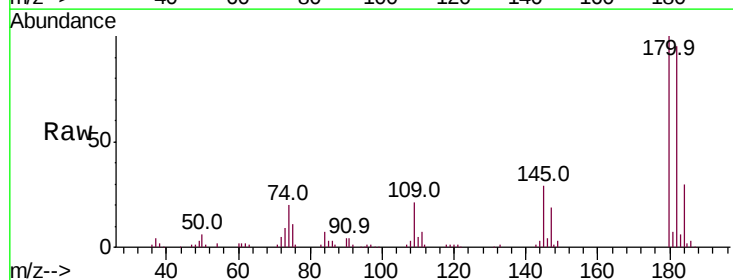
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SoilDL

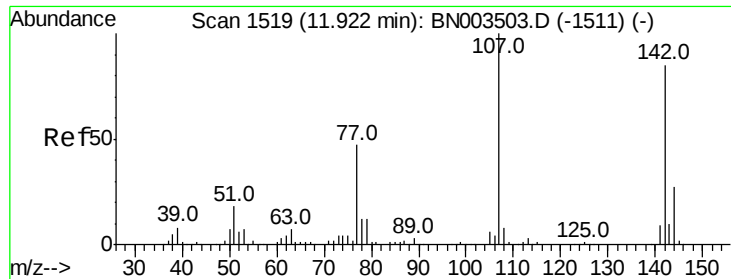
Tot Ion: 93 Resp: 83112
 Ion Ratio Lower Upper
 93 100
 95 33.3 26.4 39.6
 123 11.7 10.2 15.2



#30
 1,2,4-Trichlorobenzene
 Concen: 27.909 ng
 RT: 10.50 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion: 180 Resp: 215939
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 115.0
 145 29.2 23.9 35.9

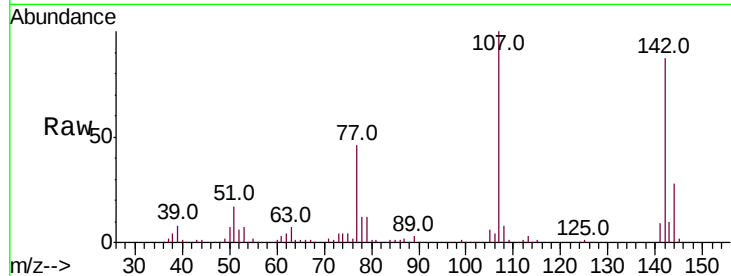




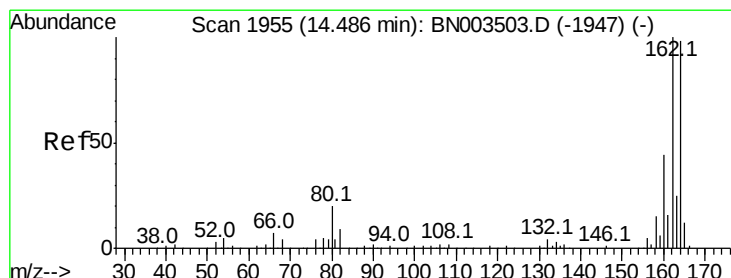
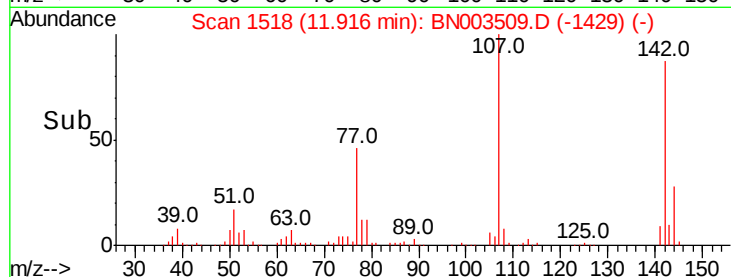
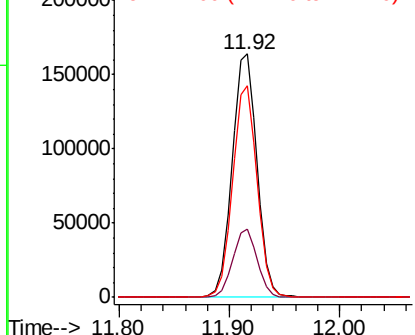
#36
 4-Chloro-3-methylphenol
 Concen: 36.096 ng
 RT: 11.92 min Scan# 1518
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Instrument :
 BNA_N
 ClientSampleID :
 PT-BNA-SoilDL

Tot Ion:107 Resp: 259568
 Ion Ratio Lower Upper
 107 100
 144 27.8 22.0 33.0
 142 86.8 68.0 102.0

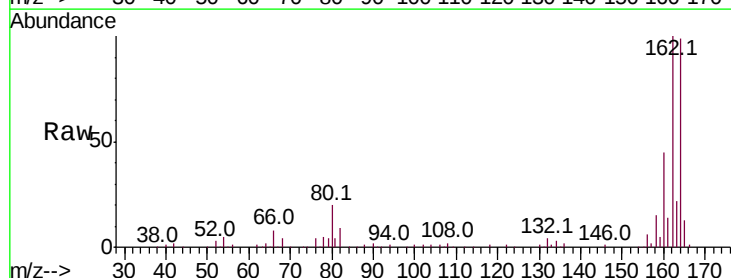


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

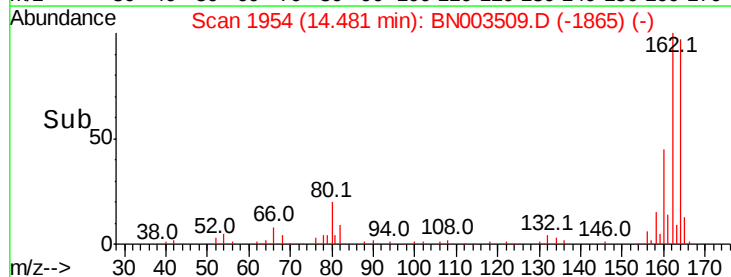
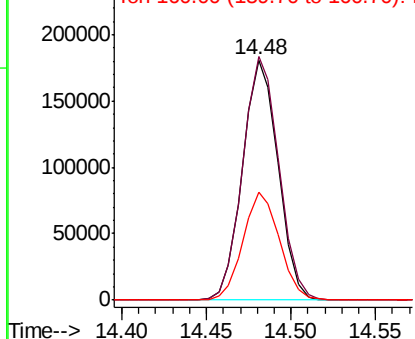


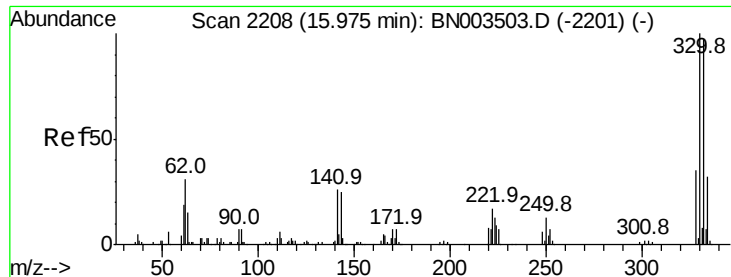
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.48 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion:164 Resp: 264367
 Ion Ratio Lower Upper
 164 100
 162 101.4 81.8 122.6
 160 45.2 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

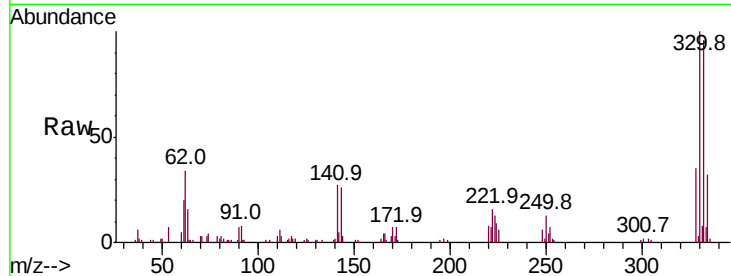




#42
 2,4,6-Tribromophenol
 Concen: 29.096 ng
 RT: 15.97 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SoilDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	27.7	21.6	32.4

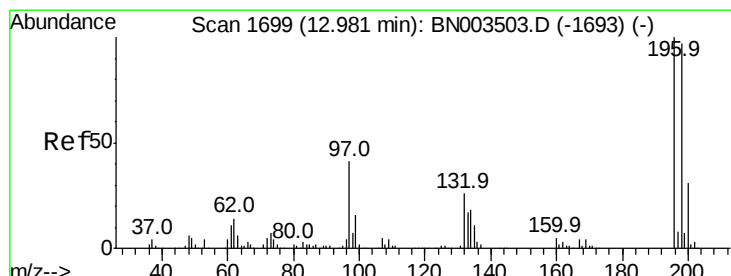
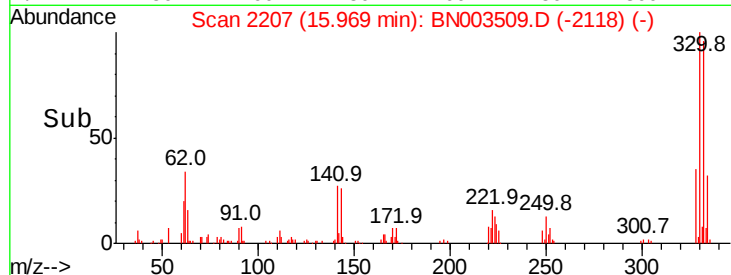
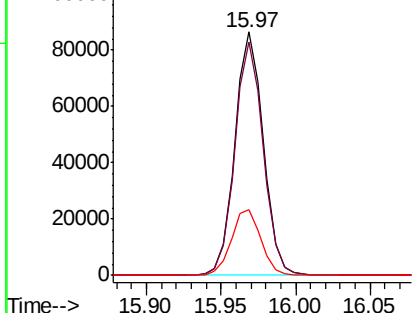


Abundance

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: 22.742 ng
 RT: 12.97 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.6	116.4
97	40.7	33.0	49.4
132	25.9	21.1	31.7

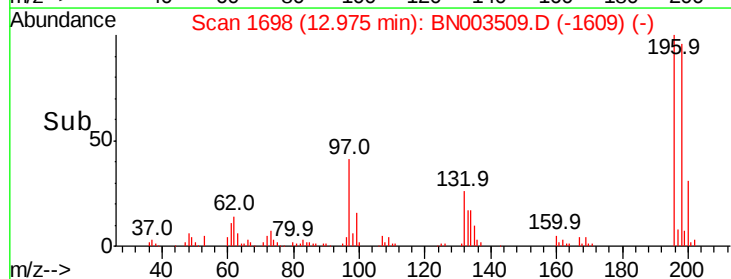
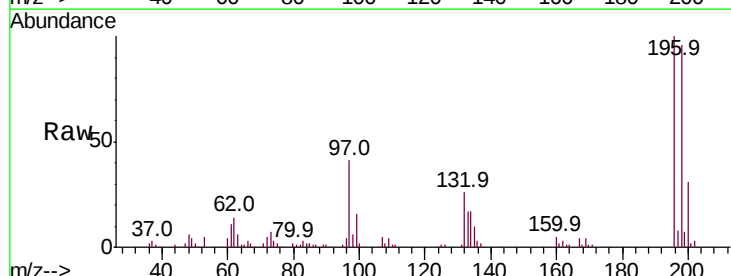
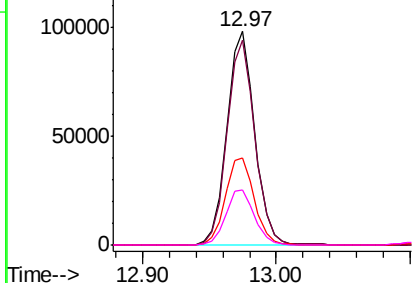
Abundance

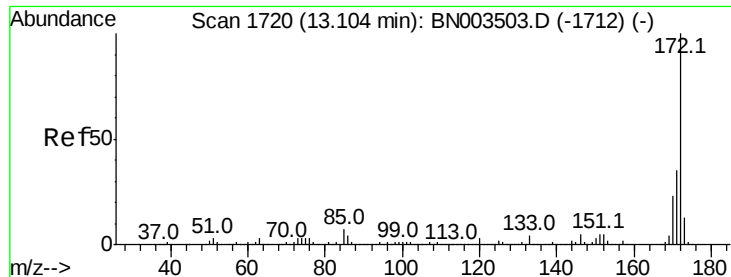
Ion 196.00 (195.70 to 196.70): E

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

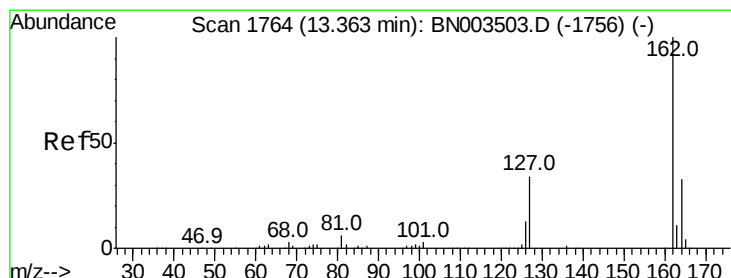
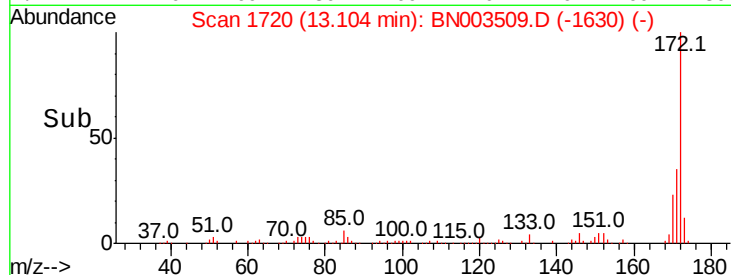
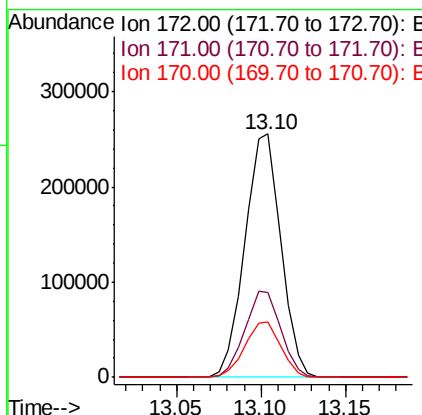
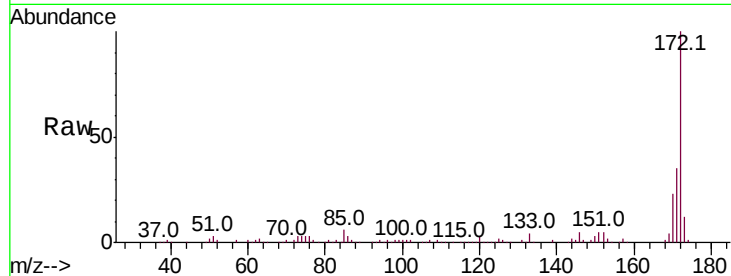




#45
 2-Fluorobiphenyl
 Concen: 19.168 ng
 RT: 13.10 min Scan# 1720
 Delta R.T. 0.00 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

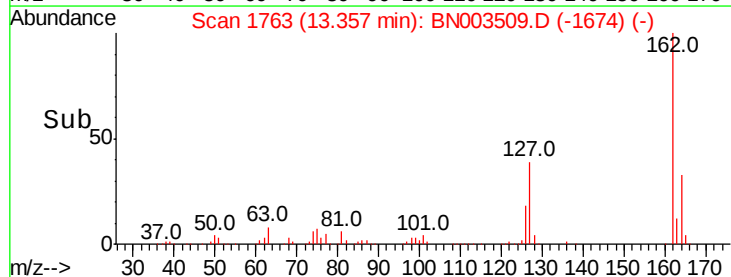
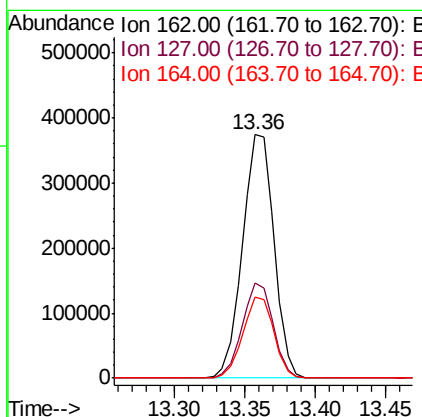
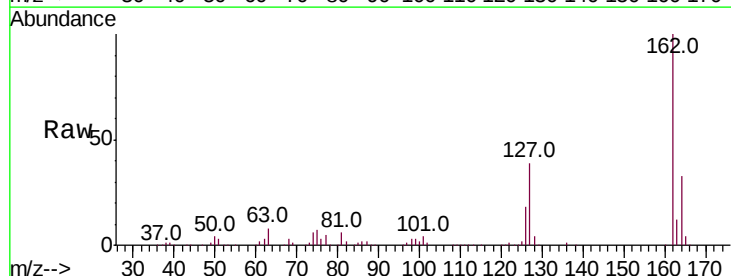
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SoilDL

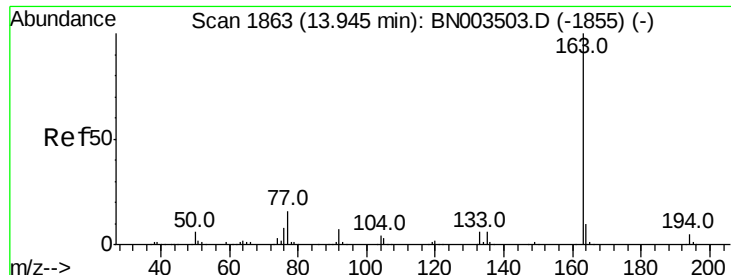
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	22.5	18.7	28.1



#47
 2-Chloronaphthalene
 Concen: 33.239 ng
 RT: 13.36 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.7	46.1
164	33.2	26.1	39.1





#50

Dimethylphthalate

Concen: 25.312 ng

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleID :

PT-BNA-SoilDL

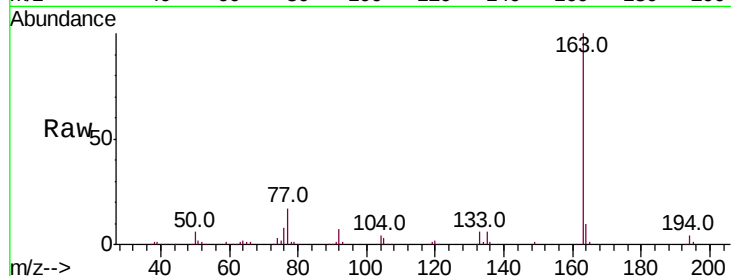
Tot Ion:163 Resp: 524214

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

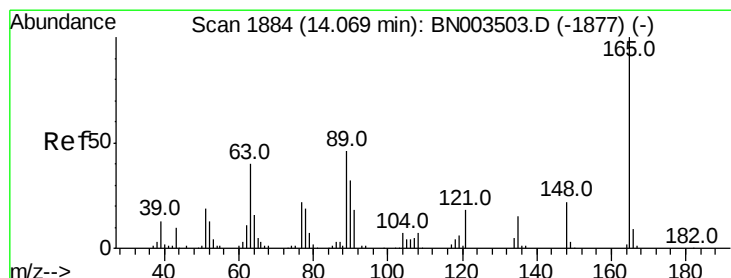
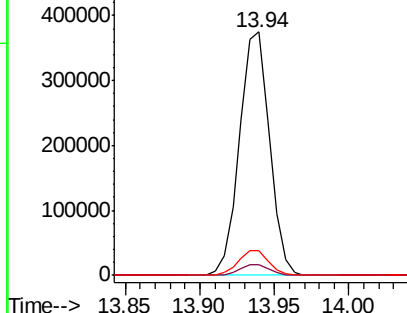
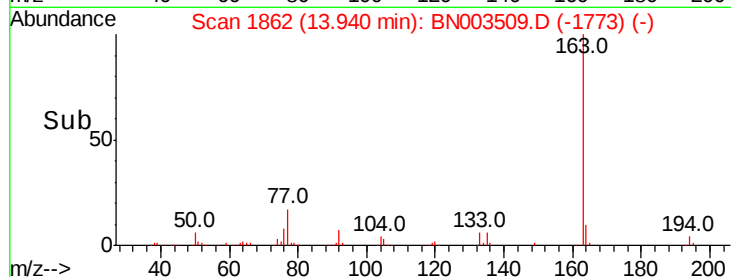
164 10.1 7.9 11.9



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: 33.866 ng

RT: 14.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

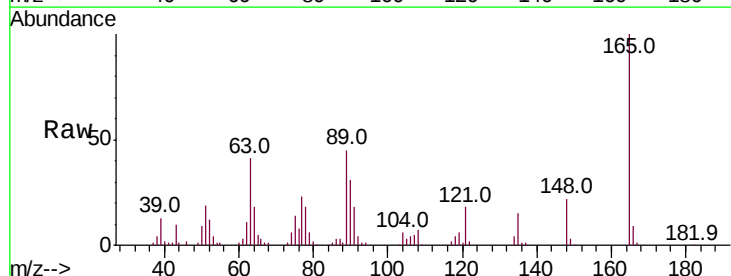
Tgt Ion:165 Resp: 163713

Ion Ratio Lower Upper

165 100

63 40.6 34.3 51.5

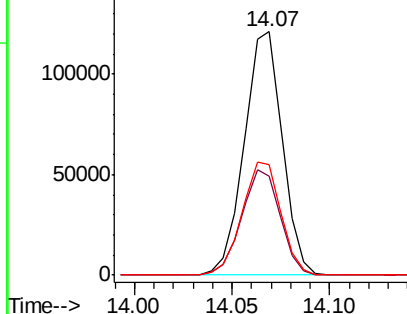
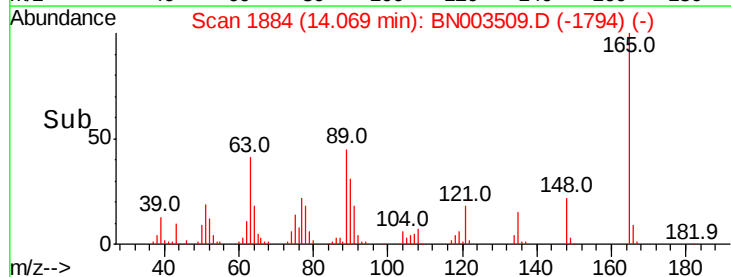
89 45.4 36.7 55.1

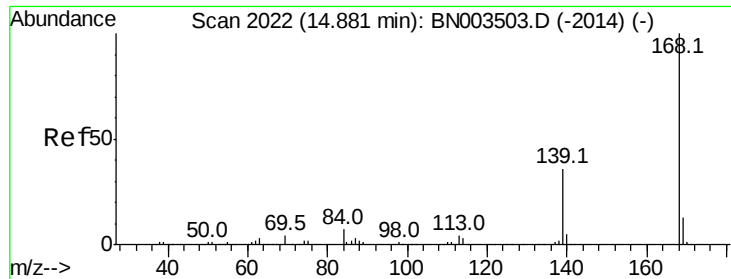


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC





#55

Dibenzenofuran

Concen: 29.095 ng

RT: 14.88 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SoilDL

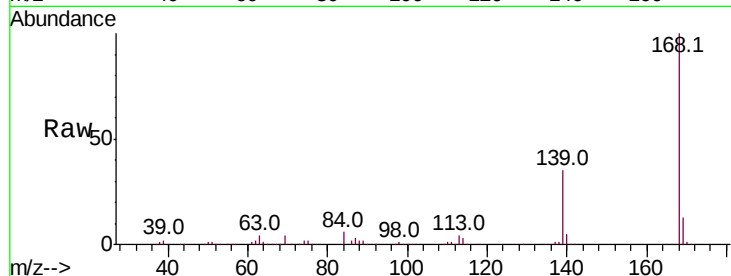
Tot Ion:168 Resp: 755438

Ion Ratio Lower Upper

168 100

139 35.5 28.7 43.1

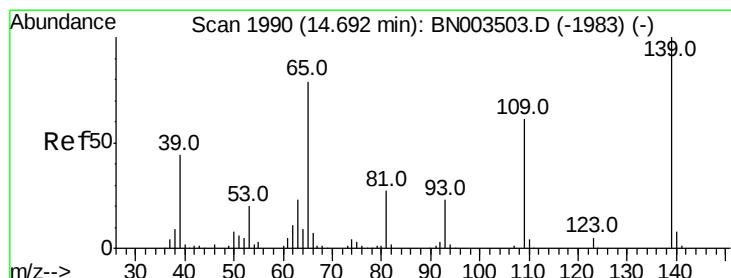
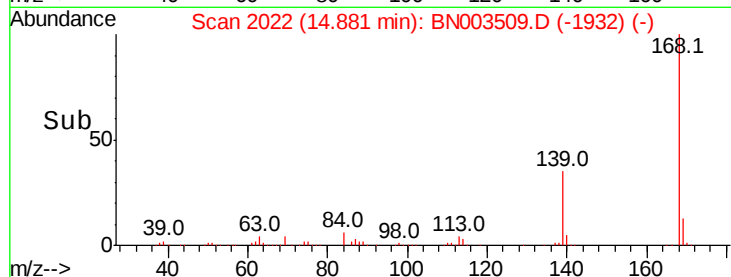
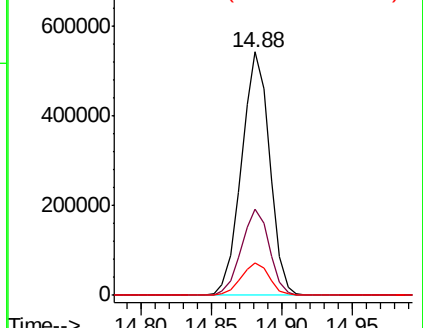
169 13.3 10.8 16.2



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: 19.175 ng

RT: 14.69 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

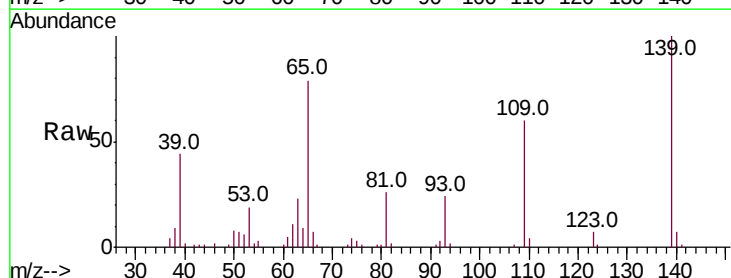
Tgt Ion:139 Resp: 75715

Ion Ratio Lower Upper

139 100

109 60.3 40.9 80.9

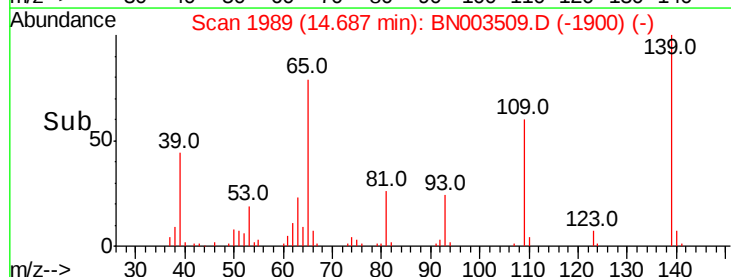
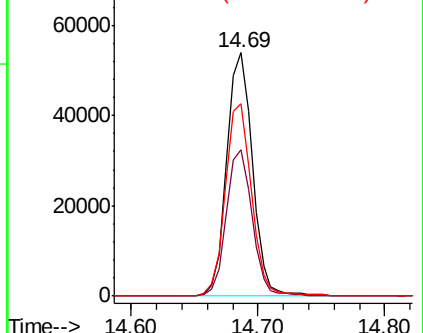
65 79.1 59.4 99.4

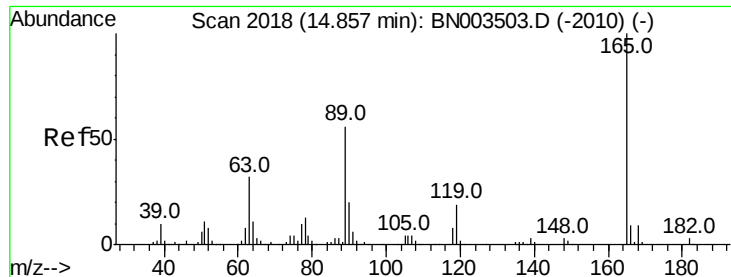


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BNC

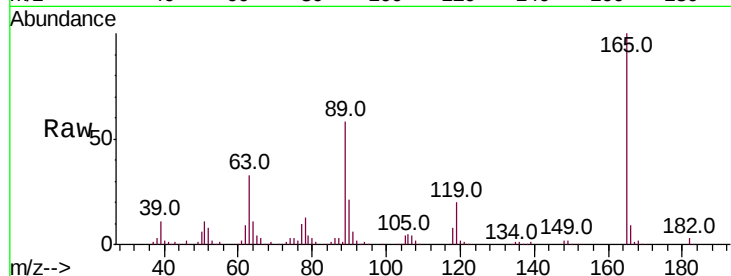




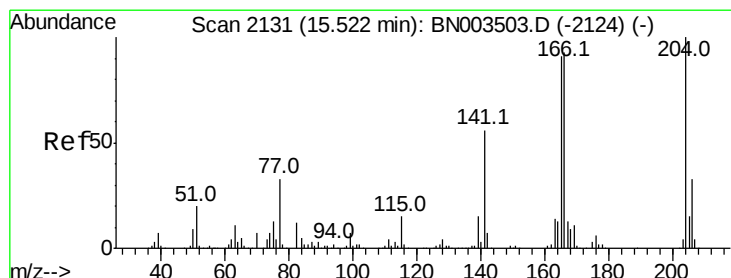
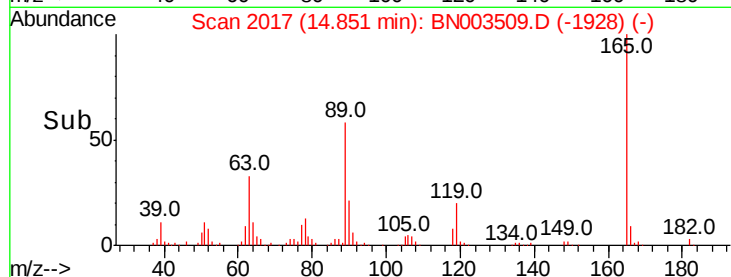
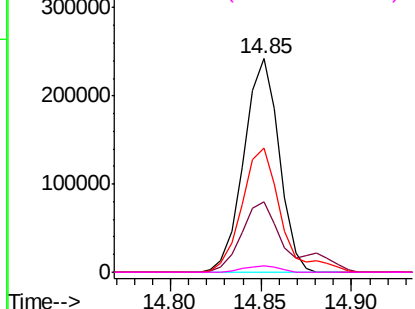
#57
 2,4-Dinitrotoluene
 Concen: 49.880 ng
 RT: 14.85 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SoilDL

Tot Ion:	165	Resp:	325922
Ion	Ratio	Lower	Upper
165	100		
63	33.2	25.4	38.2
89	57.9	44.7	67.1
182	3.2	2.6	3.8

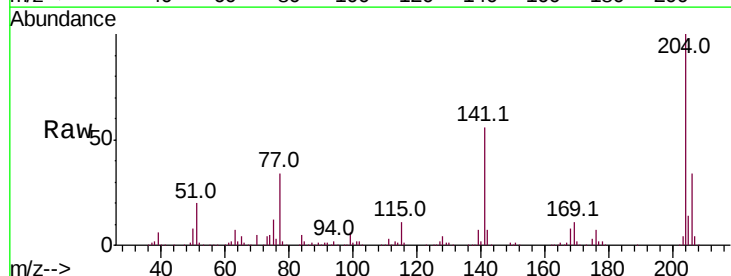


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

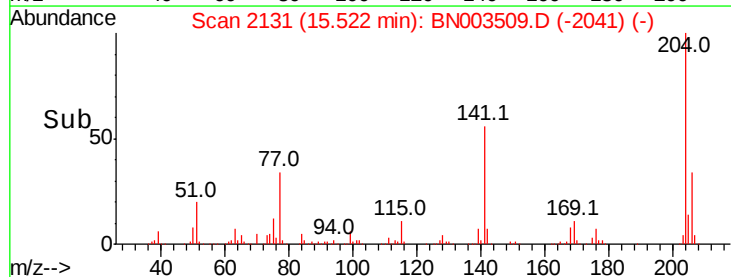
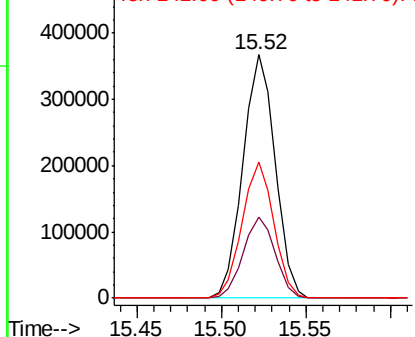


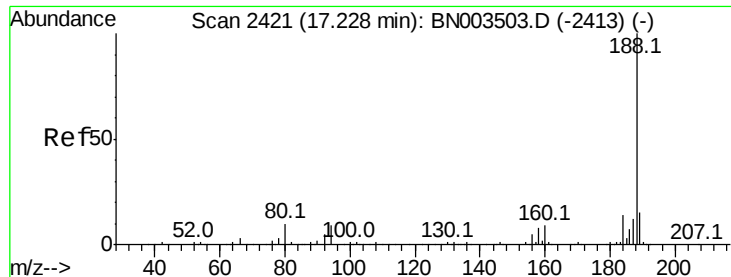
#61
 4-Chlorophenyl-phenylether
 Concen: 43.269 ng
 RT: 15.52 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion:	204	Resp:	488727
Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.5	39.7
141	56.1	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

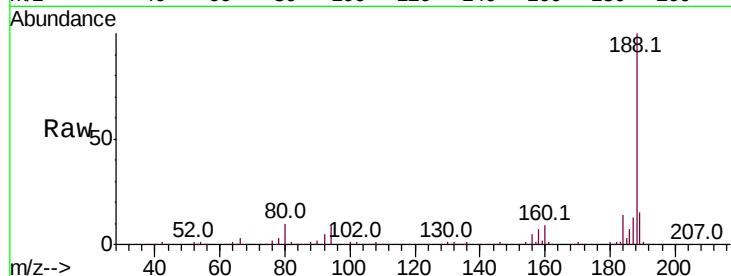




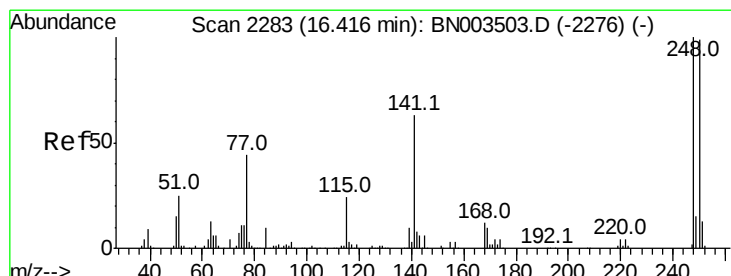
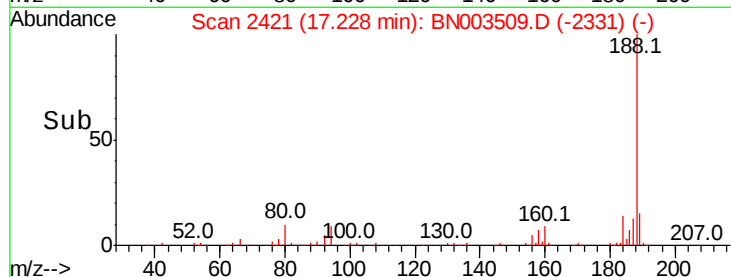
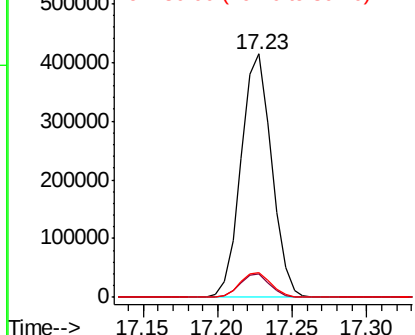
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Instrument :
 BNA_N
 ClientSampleID :
 PT-BNA-SoilDL

Tot Ion:188 Resp: 587880
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.6 11.4
 80 10.0 8.2 12.2

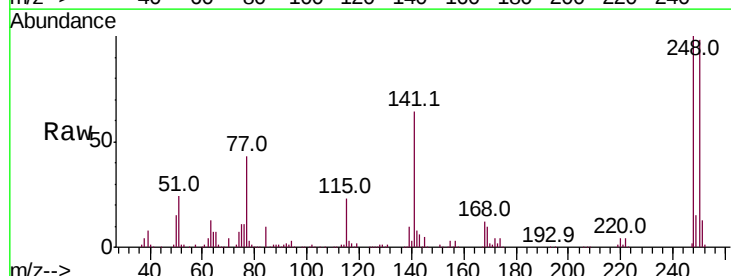


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNO
 Ion 80.00 (79.70 to 80.70): BNO

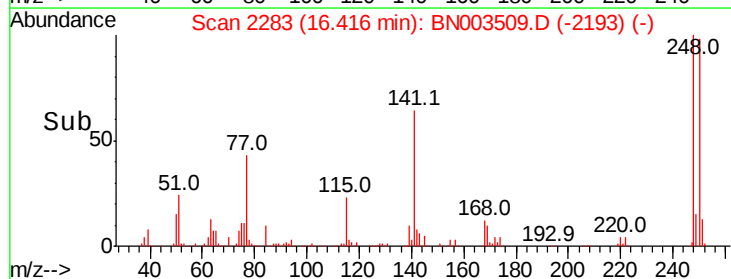
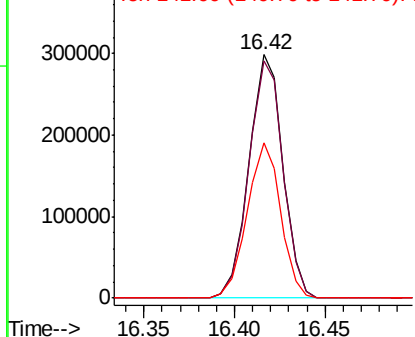


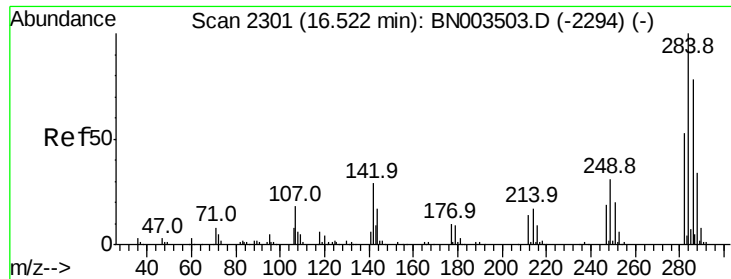
#67
 4-Bromophenyl-phenylether
 Concen: 52.375 ng
 RT: 16.42 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: BN003509.D
 Acq: 12 Nov 2018 16:06

Tgt Ion:248 Resp: 388368
 Ion Ratio Lower Upper
 248 100
 250 97.6 79.0 118.6
 141 63.7 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

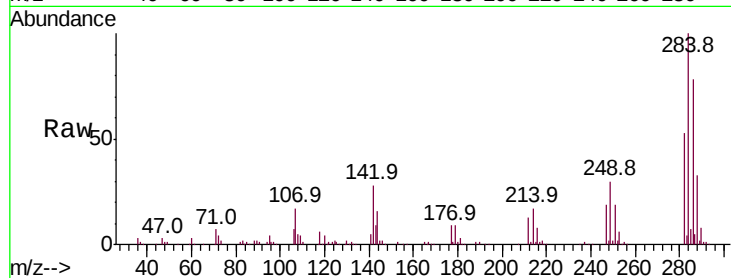




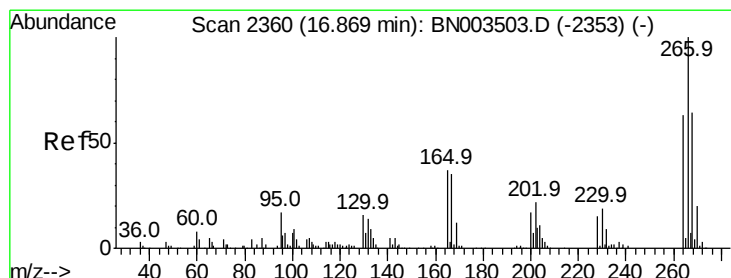
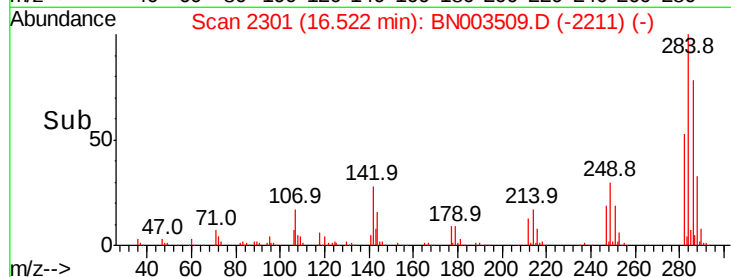
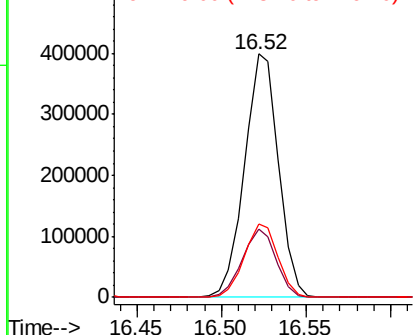
#68
Hexachlorobenzene
Concen: 64.557 ng
RT: 16.52 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Instrument :
BNA_N
ClientSampleID :
PT-BNA-SoilDL

Tot Ion:284 Resp: 557154
Ion Ratio Lower Upper
284 100
142 27.9 23.6 35.4
249 30.0 24.7 37.1

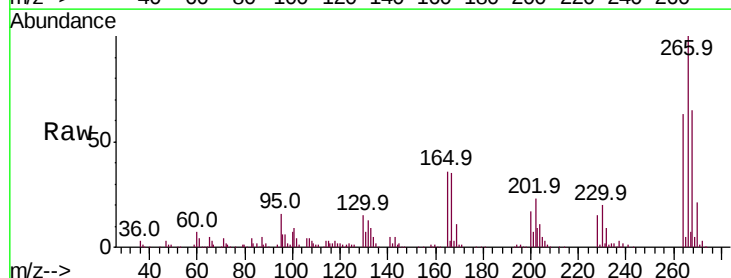


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

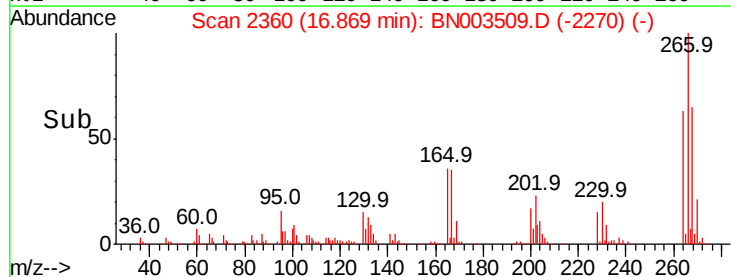
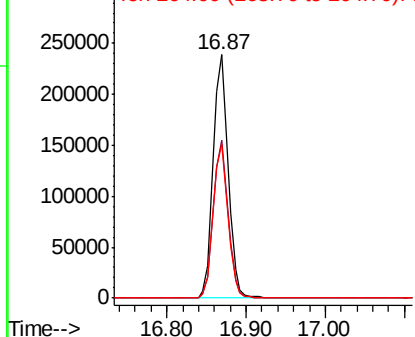


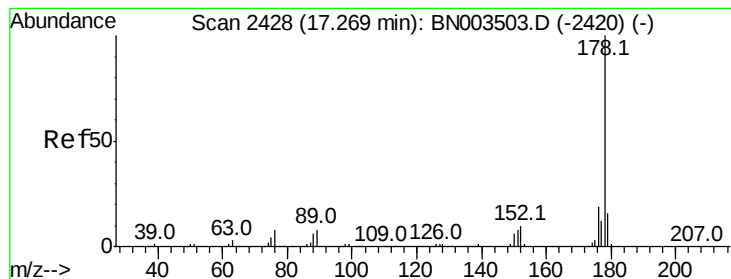
#70
Pentachlorophenol
Concen: 54.914 ng
RT: 16.87 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:266 Resp: 315866
Ion Ratio Lower Upper
266 100
268 64.8 51.0 76.4
264 63.3 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: 45.338 ng

RT: 17.27 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SoilDL

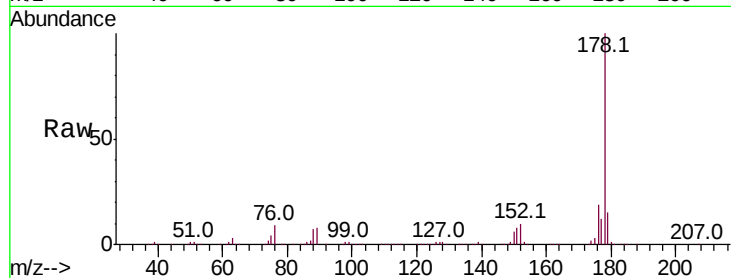
Tot Ion:178 Resp: 1392391

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

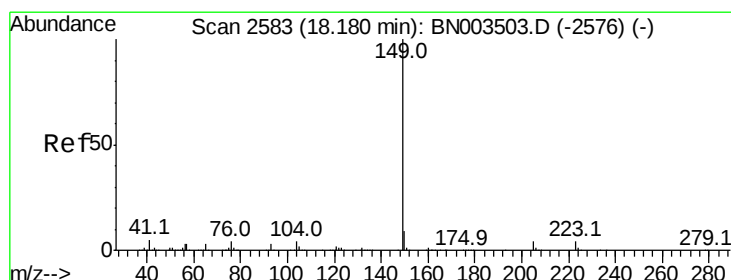
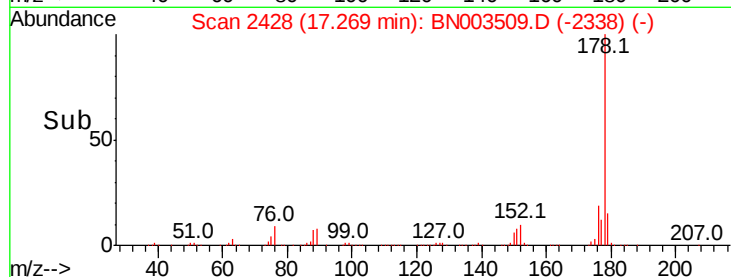
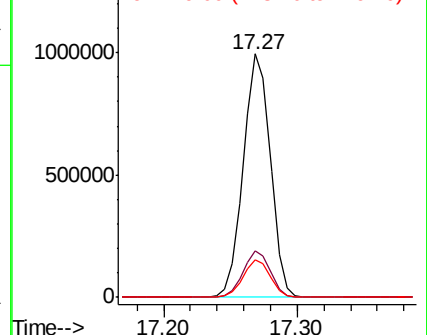
179 15.5 12.5 18.7



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: 10.094 ng

RT: 18.17 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

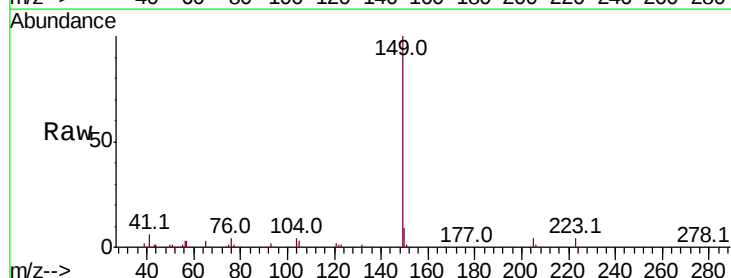
Tgt Ion:149 Resp: 350913

Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

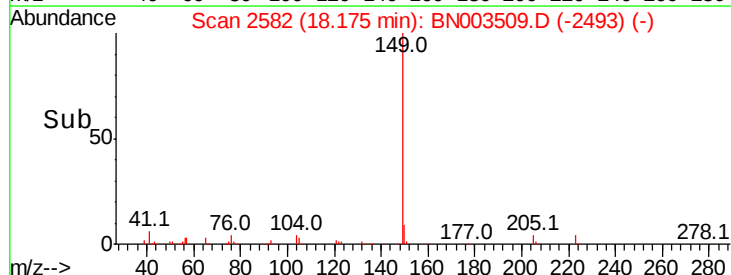
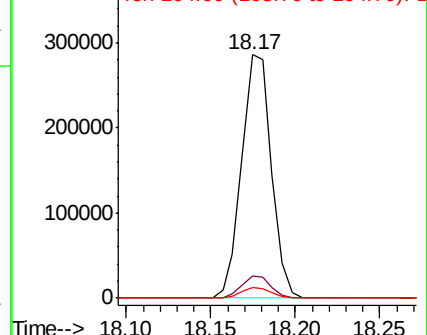
104 4.5 3.4 5.2

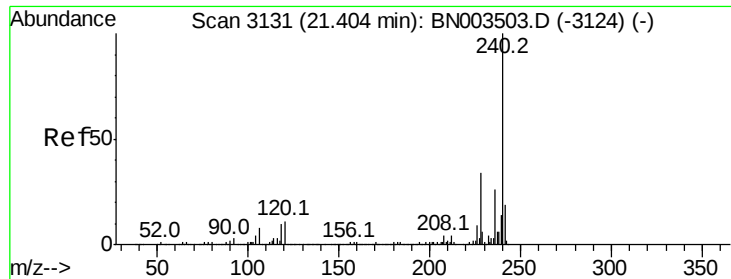


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

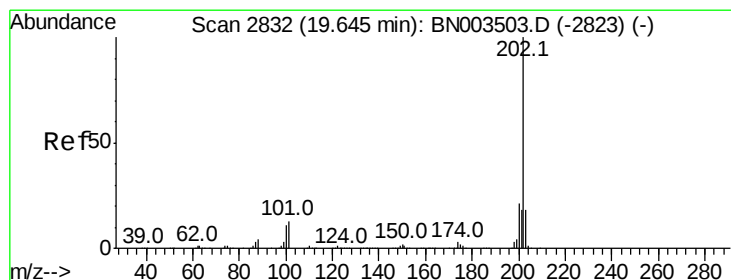
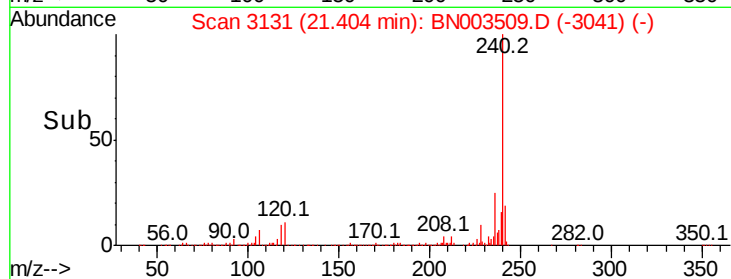
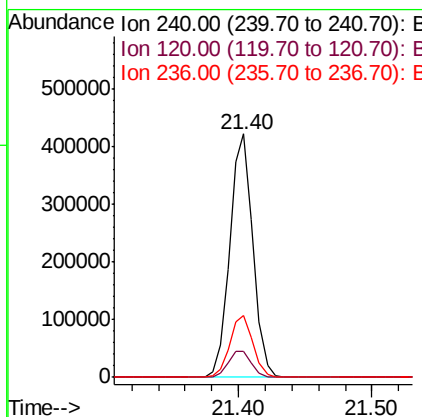
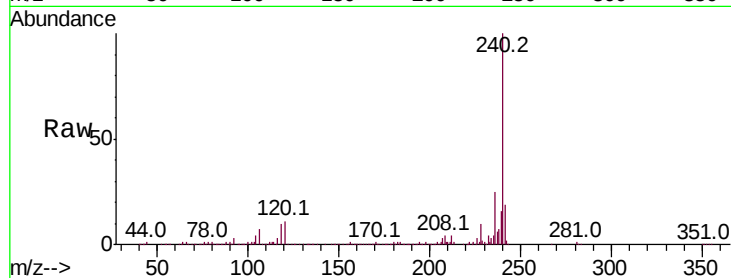




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.40 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

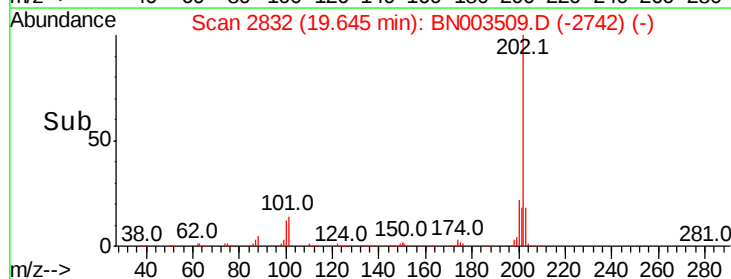
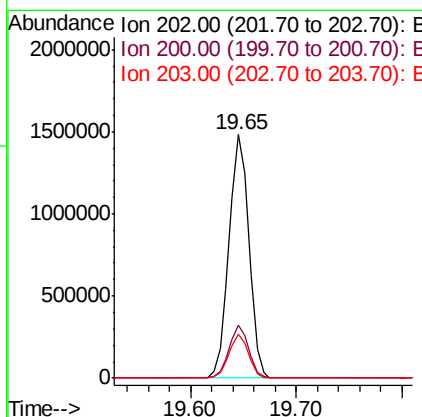
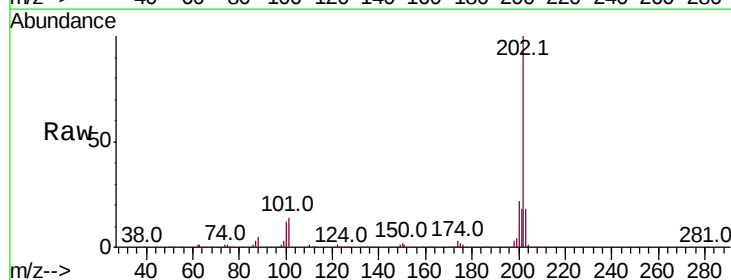
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SoilDL

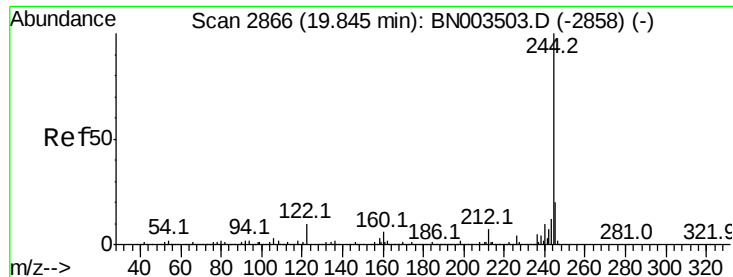
Tot Ion:240 Resp: 511329
Ion Ratio Lower Upper
240 100
120 10.6 9.1 13.7
236 25.4 20.6 30.8



#78
Pyrene
Concen: 55.852 ng
RT: 19.65 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:202 Resp: 1927747
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 23.132 ng

RT: 19.84 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleID :

PT-BNA-SoilDL

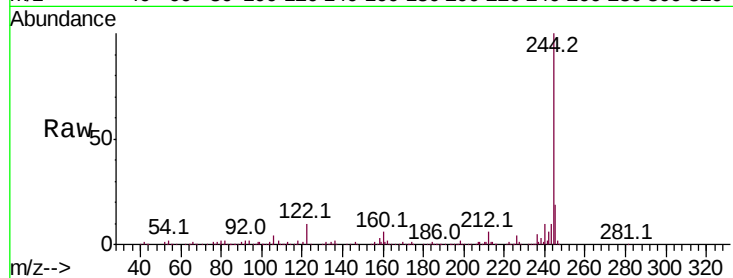
Tot Ion:244 Resp: 600795

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

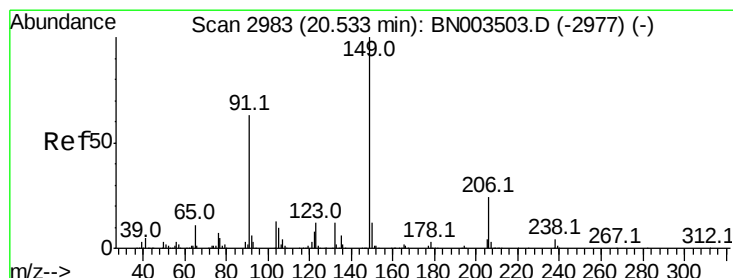
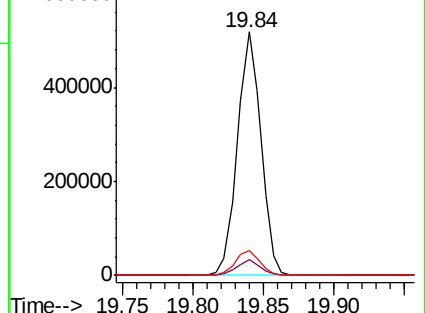
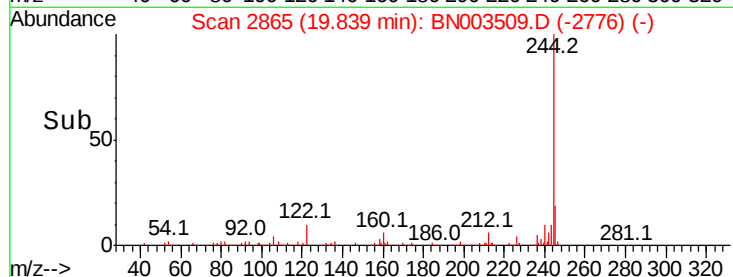
122 10.2 8.2 12.2



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: 24.090 ng

RT: 20.53 min Scan# 2983

Delta R.T. 0.00 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

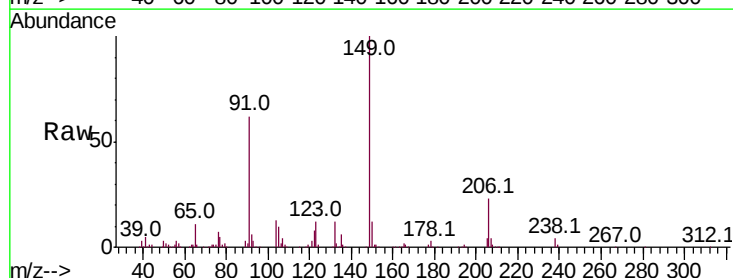
Tgt Ion:149 Resp: 356350

Ion Ratio Lower Upper

149 100

91 61.9 50.3 75.5

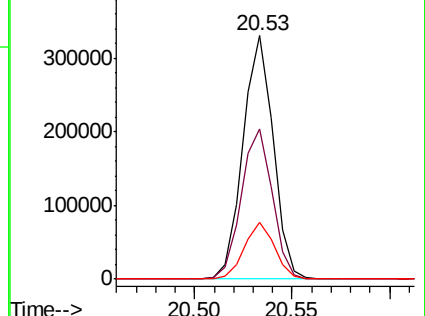
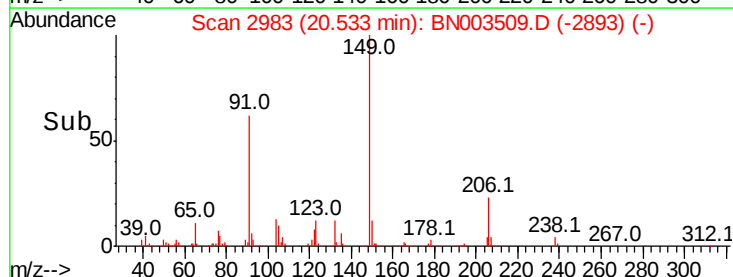
206 23.1 19.0 28.6

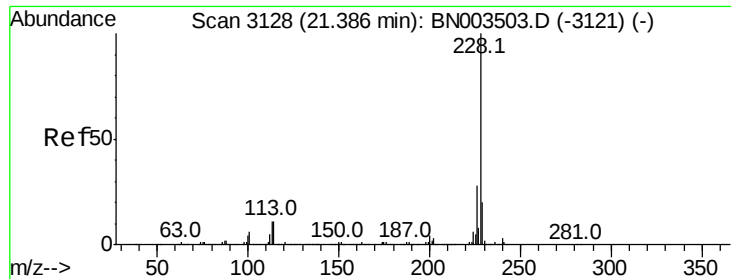


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNC

Ion 206.00 (205.70 to 206.70): E

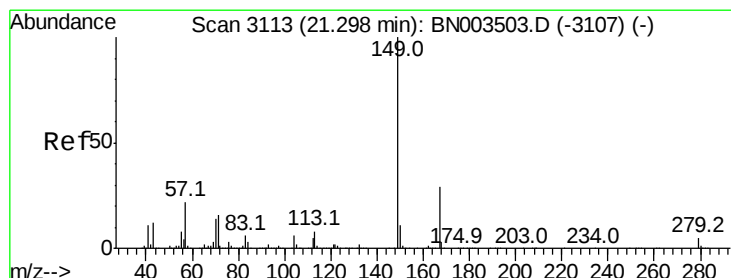
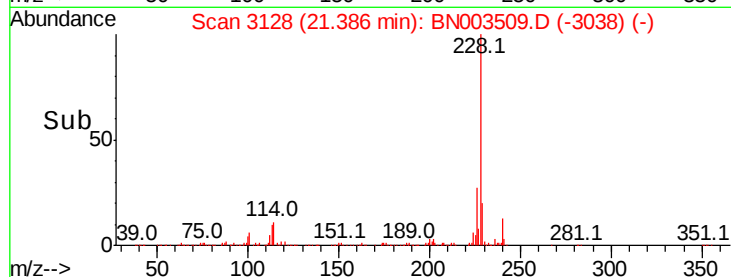
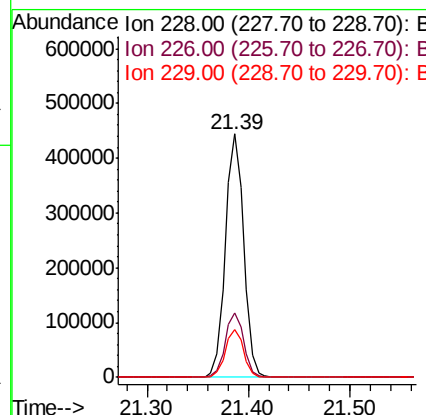
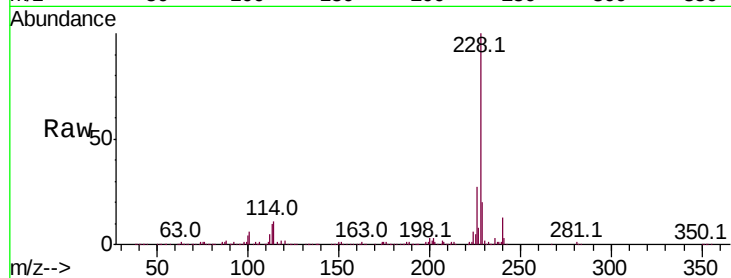




#81
Benzo(a)anthracene
Concen: 19.160 ng
RT: 21.39 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

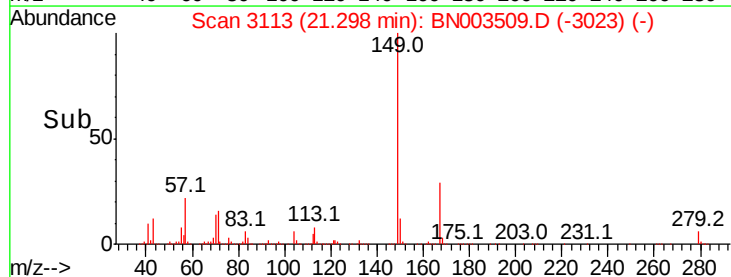
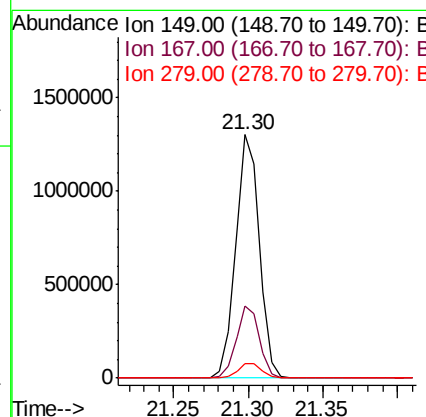
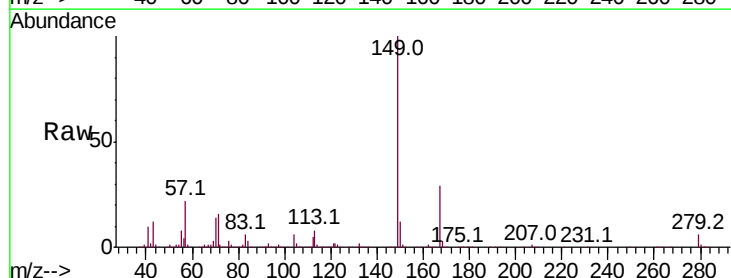
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SoilDL

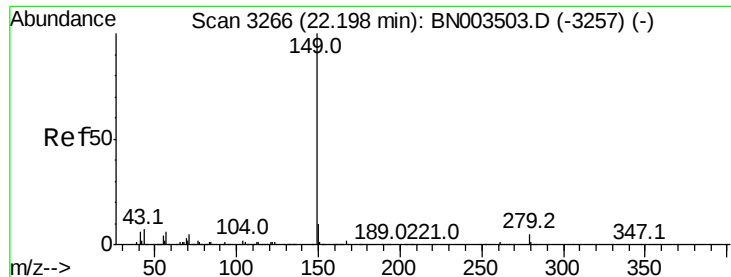
Tot Ion:228 Resp: 557304
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.9 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 67.520 ng
RT: 21.30 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:149 Resp: 1448415
Ion Ratio Lower Upper
149 100
167 29.4 23.0 34.6
279 5.7 4.2 6.4

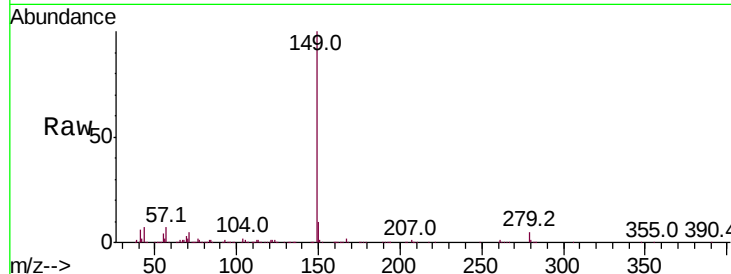




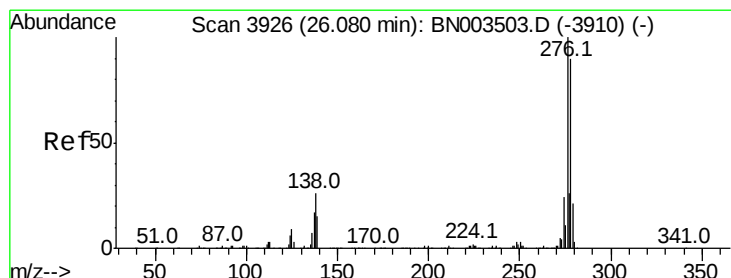
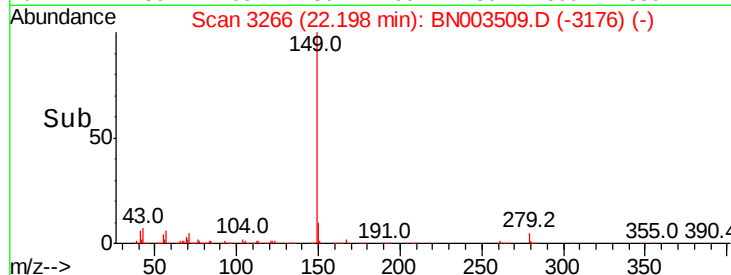
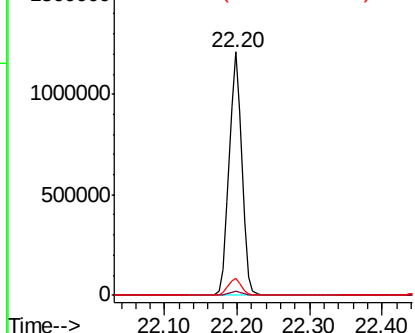
#85
Di-n-octyl phthalate
Concen: 46.327 ng
RT: 22.20 min Scan# 3266
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SoilDL

Tot Ion:149 Resp: 1475973
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.4 6.0 9.0

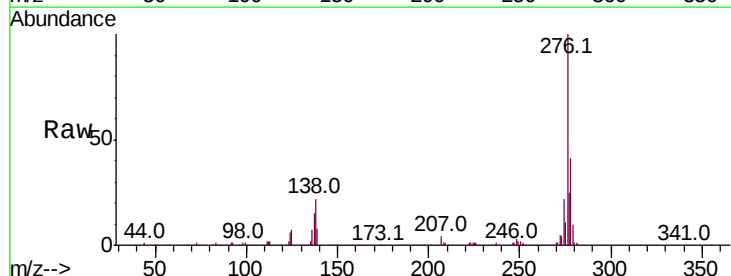


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BNC

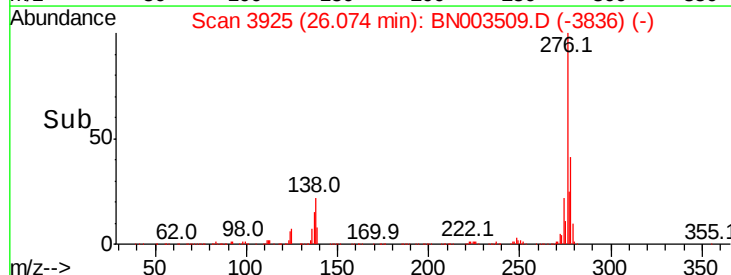
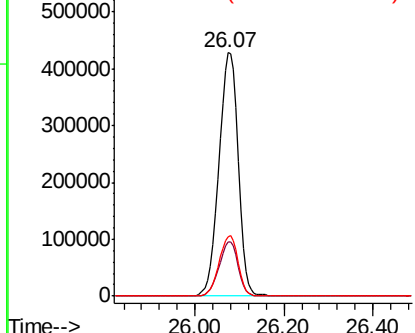


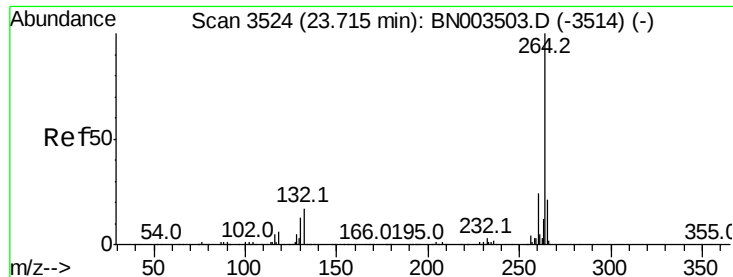
#86
Indeno(1,2,3-cd)pyrene
Concen: 44.793 ng
RT: 26.07 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:276 Resp: 1315460
Ion Ratio Lower Upper
276 100
138 22.0 20.1 30.1
277 24.5 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



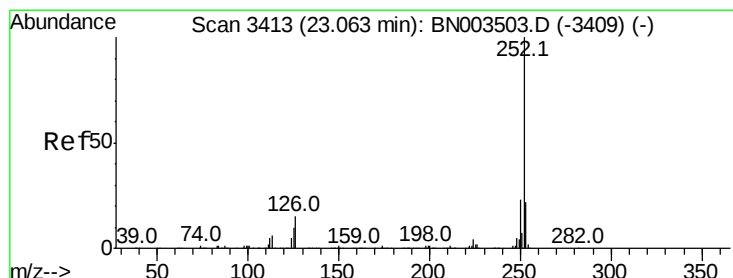
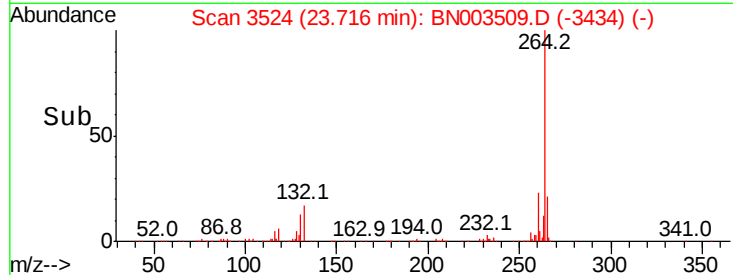
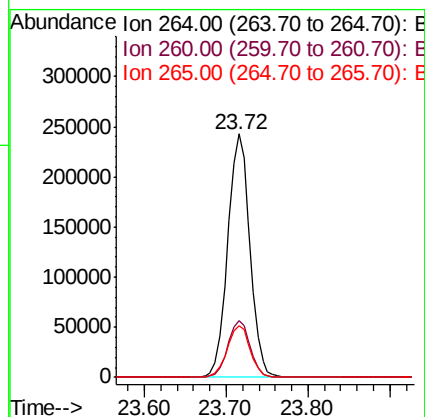
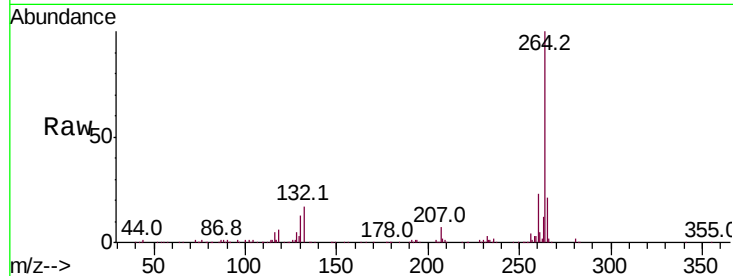


#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.72 min Scan# 3524
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SoilDL

Tot Ion:264 Resp: 457705

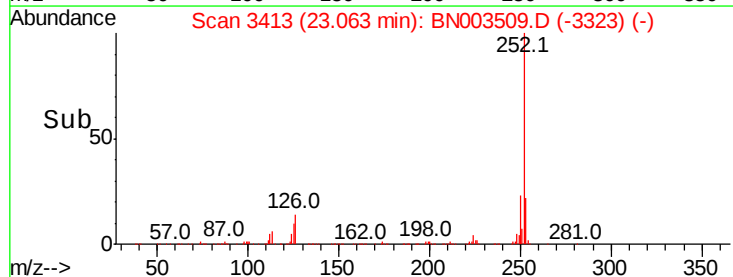
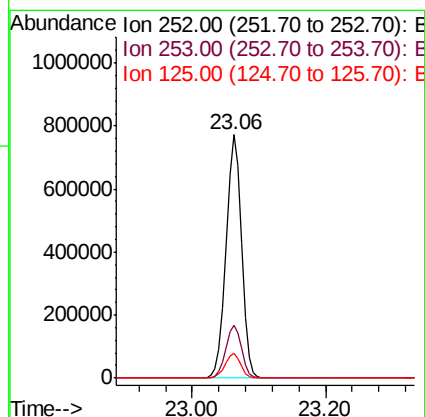
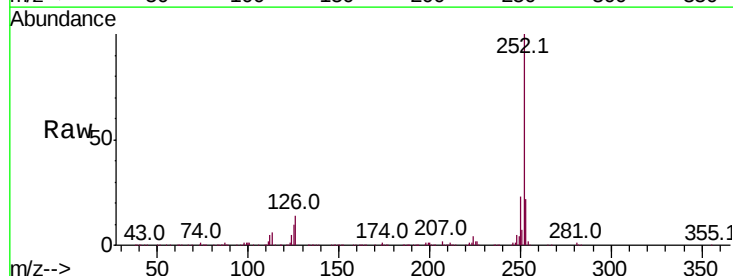
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.1	17.2	25.8

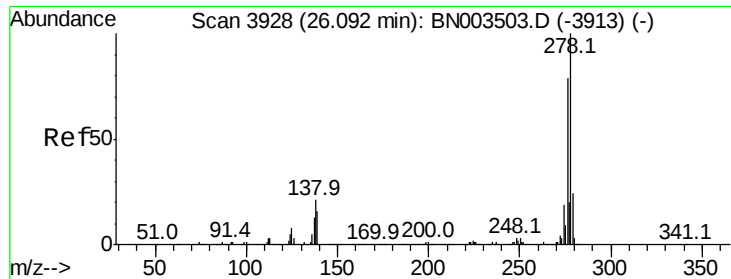


#89
Benzo(k)fluoranthene
Concen: 50.307 ng
RT: 23.06 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BN003509.D
Acq: 12 Nov 2018 16:06

Tgt Ion:252 Resp: 1275675

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.3	8.4	12.6





#91

Dibenzo(a,h)anthracene

Concen: 24.017 ng

RT: 26.09 min Scan# 3927

Delta R.T. -0.01 min

Lab File: BN003509.D

Acq: 12 Nov 2018 16:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SoilDL

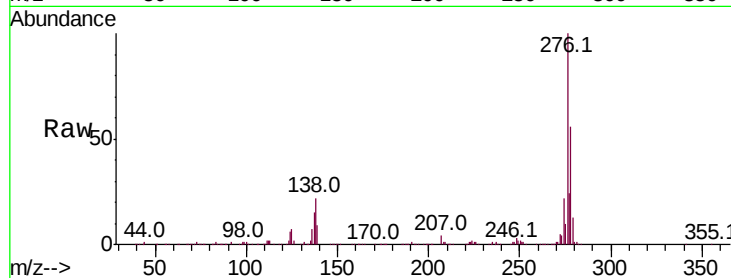
Tot Ion: 278 Resp: 577454

Ion Ratio Lower Upper

278 100

139 16.8 12.6 19.0

279 23.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

