

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120415\
 Data File : BG019911.D
 Acq On : 4 Dec 2015 19:08
 Operator : UM/NP
 Sample : G4221-15 5X
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Dec 04 22:19:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	29649	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	131520	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	94210	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	234144	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	274734	20.00	ng	-0.03
86) Perylene-d12	25.05	264	266719	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	52386	31.93	ng	-0.01
7) Phenol-d6	7.26	99	83079	33.54	ng	-0.01
23) Nitrobenzene-d5	9.28	82	56906	22.08	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	41141	28.54	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	145257	21.05	ng	-0.02
78) Terphenyl-d14	20.09	244	252052	22.38	ng	-0.02

Target Compounds

						Qvalue
8) 2-Chlorophenol	7.68	128	24305	12.15	ng	99
10) Phenol	7.28	94	47142	18.08	ng	84
12) 1,3-Dichlorobenzene	8.01	146	77391	34.13	ng	# 90
13) 1,4-Dichlorobenzene	8.15	146	29031	12.40	ng	95
17) 2-Methylphenol	8.55	107	4768	2.59	ng	# 83
18) Hexachloroethane	9.21	117	21536	24.56	ng	91
24) Nitrobenzene	9.33	77	97227	34.78	ng	92
25) Isophorone	9.85	82	222128	40.20	ng	97
26) 2-Nitrophenol	9.85	139	3853	3.57	ng	# 44
29) 2,4-Dichlorophenol	10.57	162	42853	18.66	ng	96
30) 1,2,4-Trichlorobenzene	10.80	180	74170	28.57	ng	95
31) Naphthalene	10.99	128	235987	33.49	ng	99
33) 4-Chloroaniline	10.99	127	31990	10.30	ng	# 32
34) Hexachlorobutadiene	11.27	225	63665	33.25	ng	99
36) 4-Chloro-3-methylphenol	12.19	107	97890	34.22	ng	93
37) 2-Methylnaphthalene	12.58	142	123989	24.01	ng	93
42) 2,4,6-Trichlorophenol	13.18	196	37856	15.99	ng	98
43) 2,4,5-Trichlorophenol	13.25	196	59820	23.91	ng	96
48) Acenaphthylene	14.47	152	217284	21.41	ng	99
49) Dimethylphthalate	14.19	163	323943	38.23	ng	98
50) 2,6-Dinitrotoluene	14.19	165	3493	2.19	ng	# 1
51) Acenaphthene	14.81	154	78907	12.81	ng	97
54) Dibenzofuran	15.15	168	390473	42.61	ng	94
55) 4-Nitrophenol	14.93	139	36862	25.57	ng	# 63
57) Fluorene	15.79	166	240074	29.27	ng	98
59) Diethylphthalate	15.55	149	284494	31.02	ng	96
66) 4-Bromophenyl-phenylether	16.68	248	55511	19.08	ng	94
70) Phenanthrene	17.53	178	264162	19.94	ng	96
71) Anthracene	17.53	178	264162	19.58	ng	96
72) Carbazole	17.88	167	60509	5.09	ng	97
73) Di-n-butylphthalate	18.44	149	140714	9.66	ng	99
74) Fluoranthene	19.53	202	329345	19.44	ng	95
80) Benzo(a)anthracene	21.74	228	367585	21.86	ng	97
82) Chrysene	21.81	228	337584	21.14	ng	94

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Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Quant Time: Dec 04 22:19:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

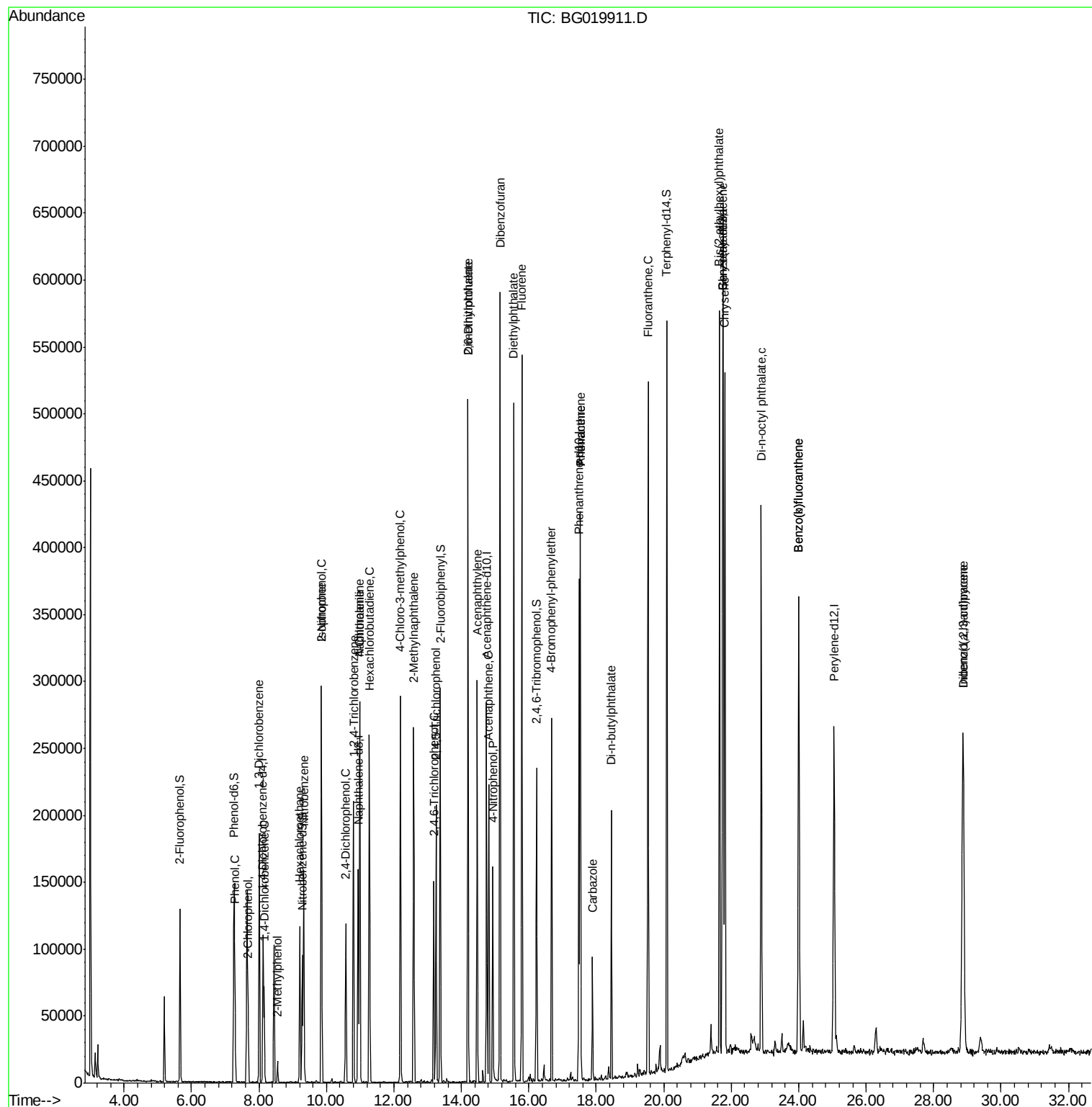
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	21.65	149	226753	24.39	ng	95
84) Di-n-octyl phthalate	22.89	149	362834	24.00	ng	# 94
85) Indeno(1,2,3-cd)pyrene	28.87	276	101310	5.76	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	342721	20.27	ng	# 95
88) Benzo(k)fluoranthene	24.00	252	342721	20.47	ng	# 95
90) Dibenzo(a,h)anthracene	28.88	278	414031	26.11	ng	# 94

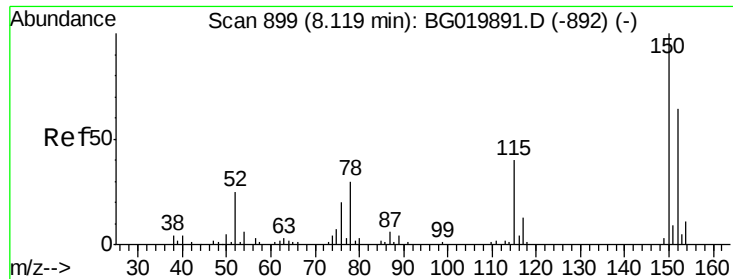
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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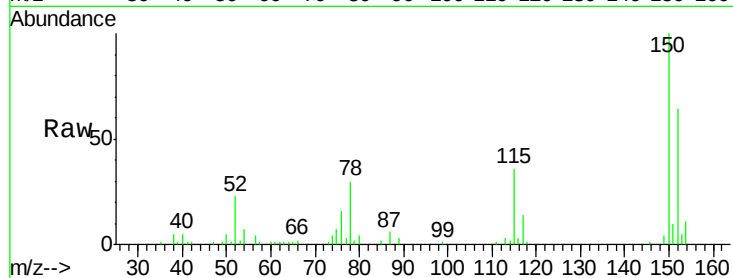




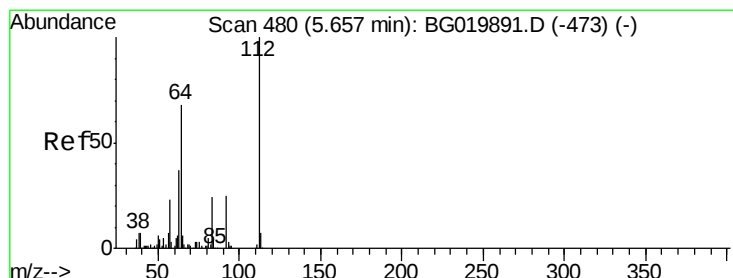
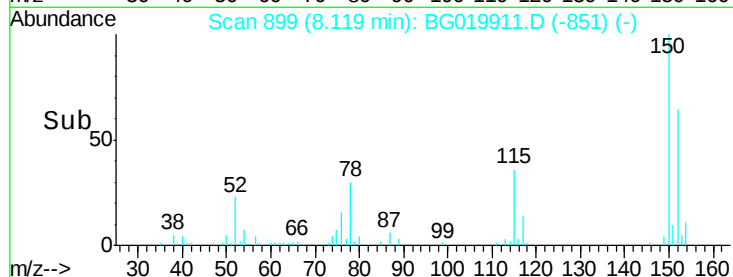
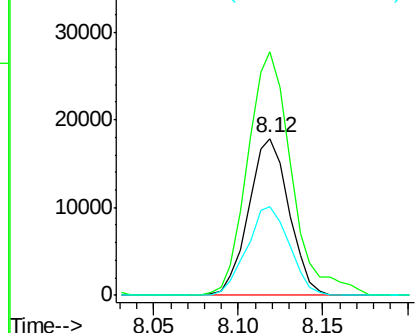
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.12 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

Tgt Ion:152 Resp: 29649
 Ion Ratio Lower Upper
 152 100
 150 155.2 115.0 172.4
 115 56.2 43.9 65.9

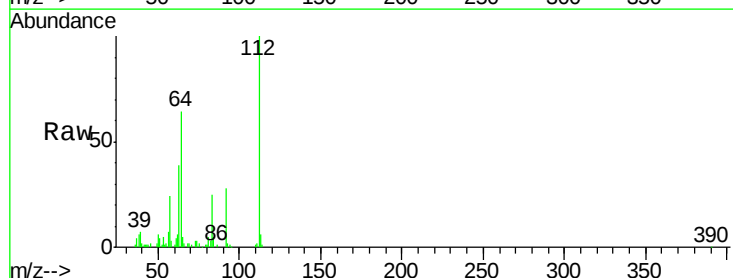


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

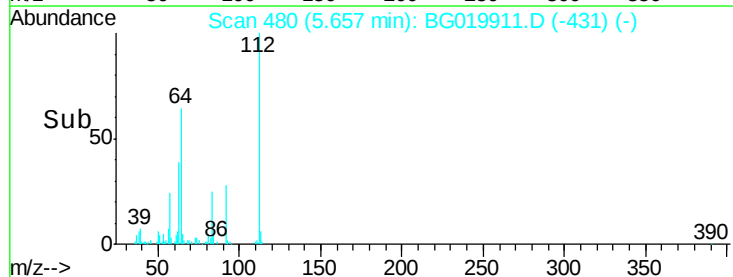
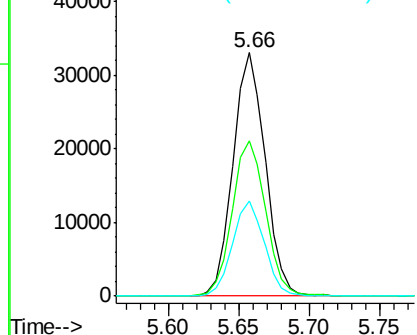


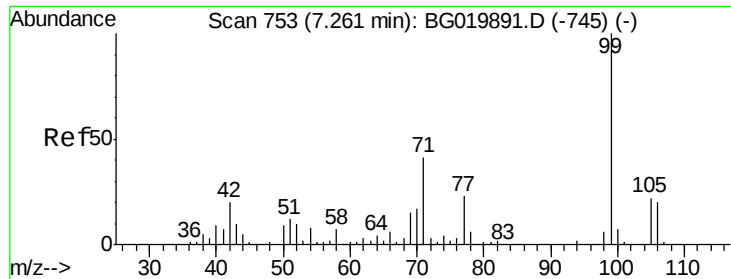
#5
 2-Fluorophenol
 Concen: 31.93 ng
 RT: 5.66 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Tgt Ion:112 Resp: 52386
 Ion Ratio Lower Upper
 112 100
 64 63.9 43.7 65.5
 63 38.9 24.0 36.0#



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





#7

Phenol-d6

Concen: 33.54 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

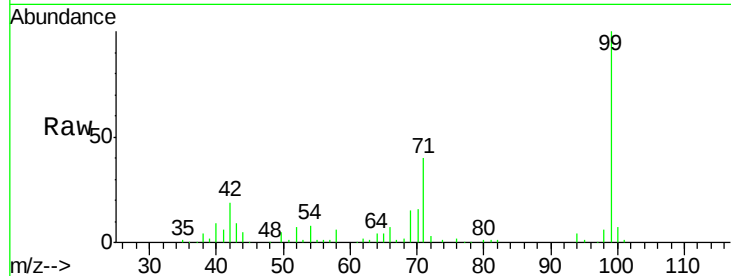
Tgt Ion: 99 Resp: 83079

Ion Ratio Lower Upper

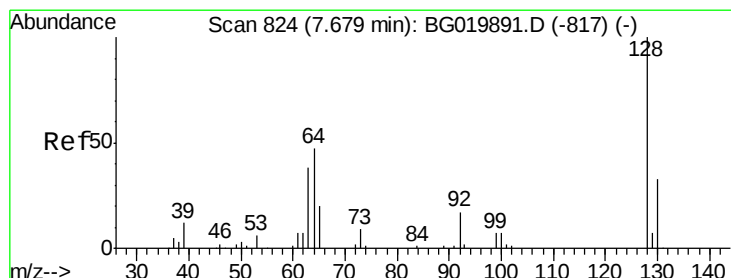
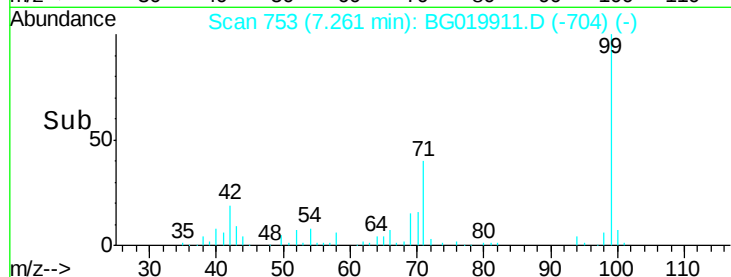
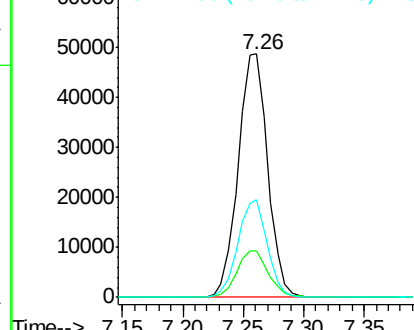
99 100

42 18.9 11.5 17.3#

71 40.0 22.6 34.0#



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



#8

2-Chlorophenol

Concen: 12.15 ng

RT: 7.68 min Scan# 824

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

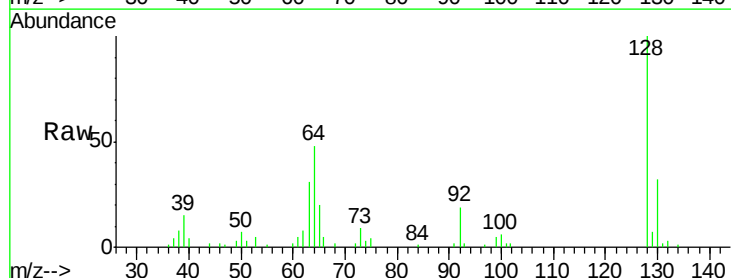
Tgt Ion: 128 Resp: 24305

Ion Ratio Lower Upper

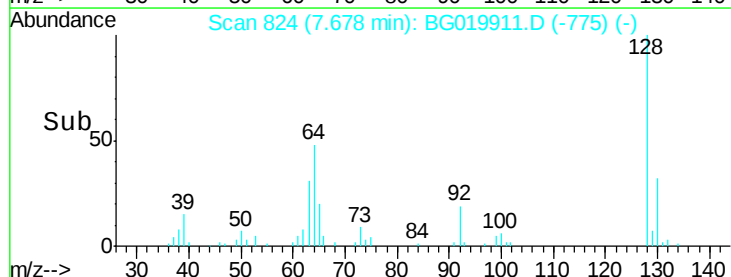
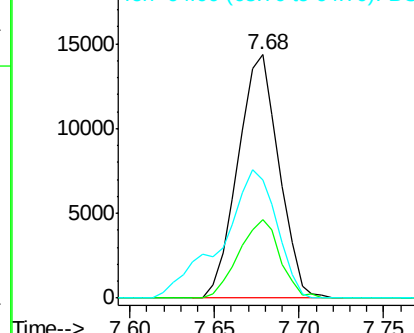
128 100

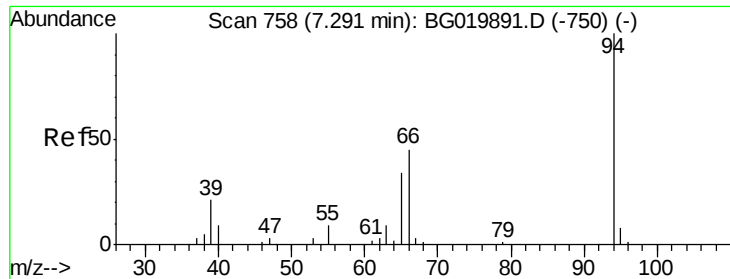
130 32.2 13.0 53.0

64 48.3 28.2 68.2



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#10

Phenol

Concen: 18.08 ng

RT: 7.28 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

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PT-BNA-SOILD

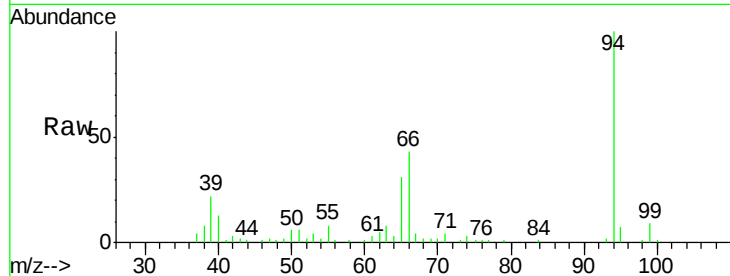
Tgt Ion: 94 Resp: 47142

Ion Ratio Lower Upper

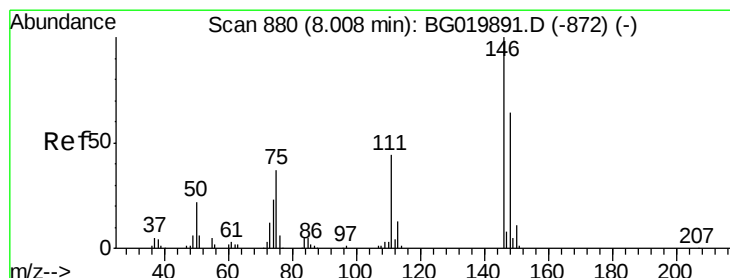
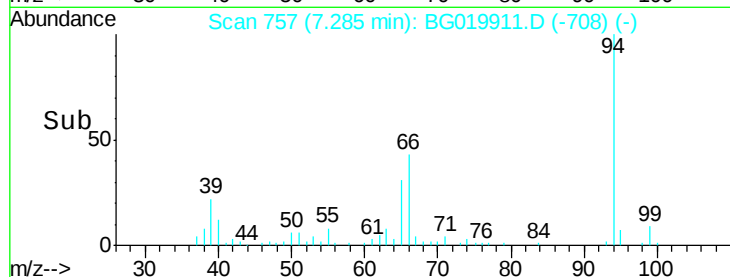
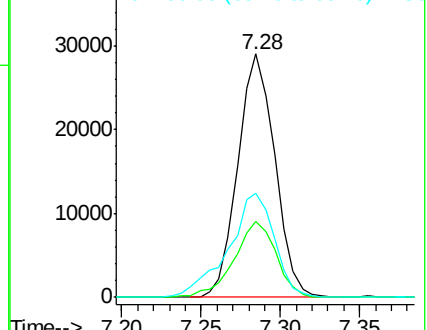
94 100

65 31.0 5.4 45.4

66 43.0 11.8 51.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#12

1,3-Dichlorobenzene

Concen: 34.13 ng

RT: 8.01 min Scan# 880

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

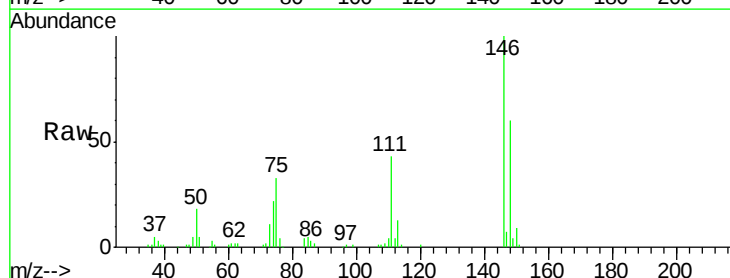
Tgt Ion: 146 Resp: 77391

Ion Ratio Lower Upper

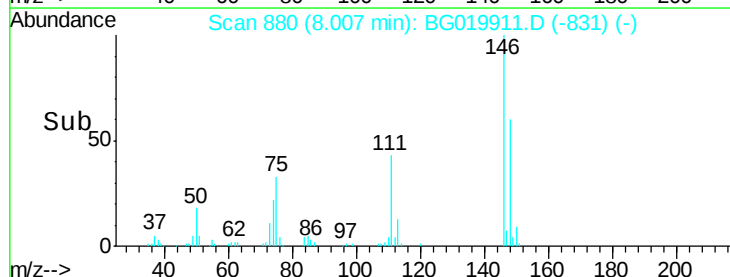
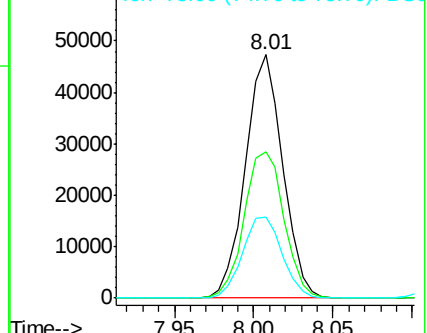
146 100

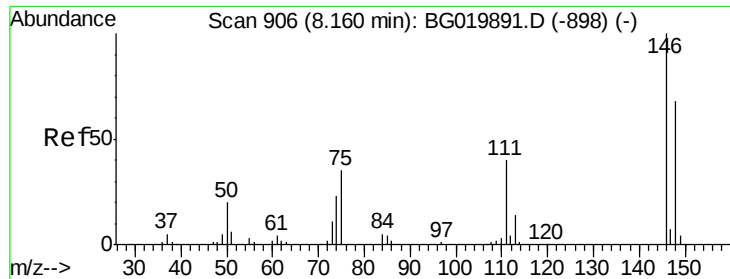
148 60.0 53.4 80.0

75 33.4 21.1 31.7#



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

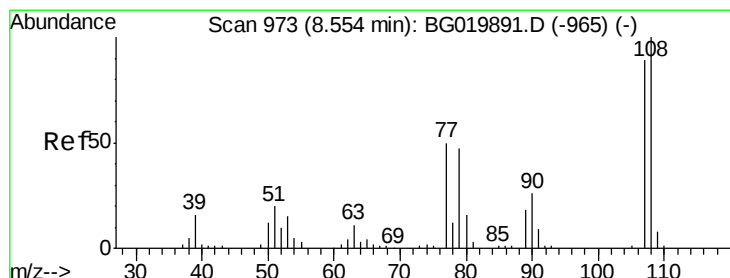
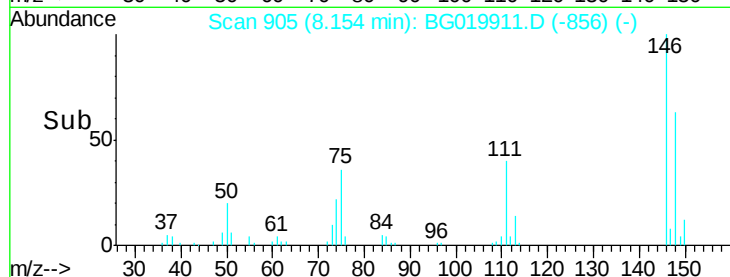
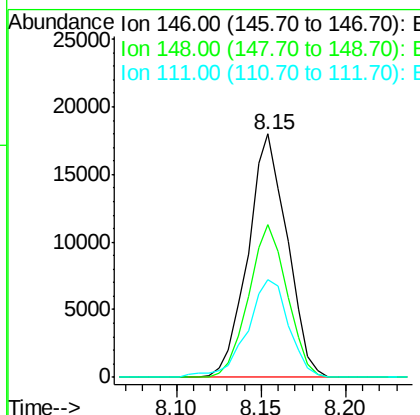
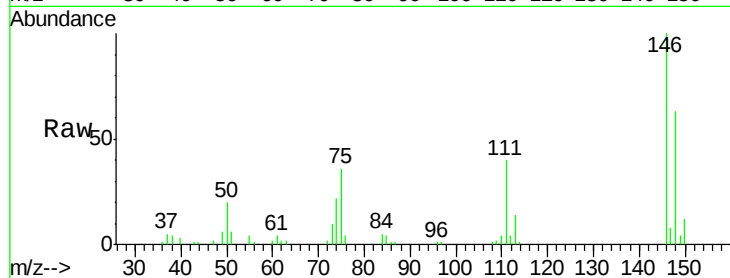




#13
 1,4-Dichlorobenzene
 Concen: 12.40 ng
 RT: 8.15 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

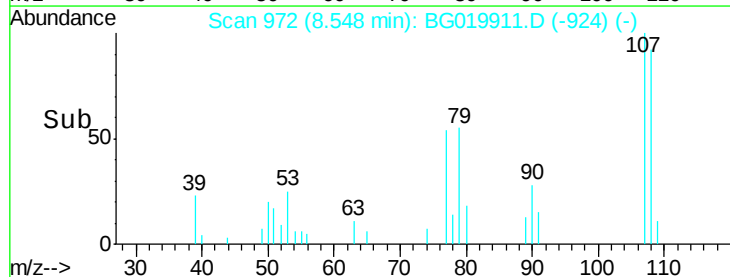
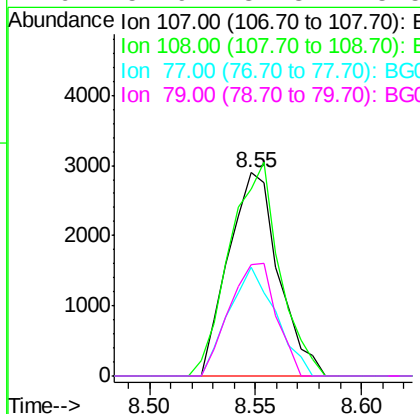
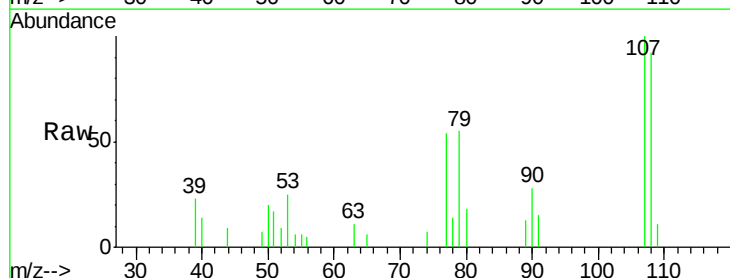
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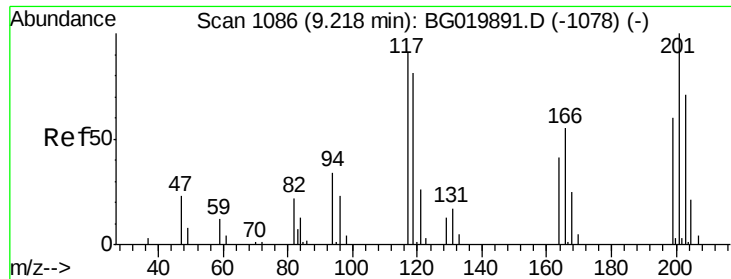
Tgt Ion:146 Resp: 29031
 Ion Ratio Lower Upper
 146 100
 148 62.6 52.5 78.7
 111 40.0 28.3 42.5



#17
 2-Methylphenol
 Concen: 2.59 ng
 RT: 8.55 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Tgt Ion:107 Resp: 4768
 Ion Ratio Lower Upper
 107 100
 108 91.9 86.5 129.7
 77 53.5 34.6 51.8#
 79 54.9 32.3 48.5#

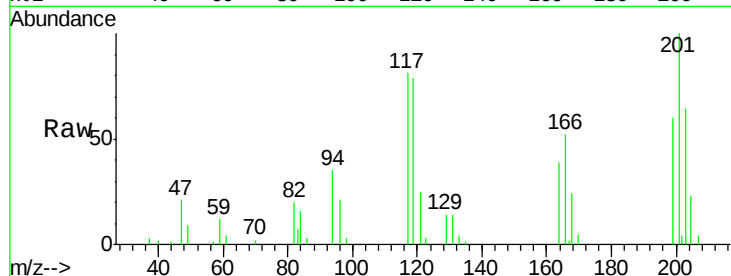




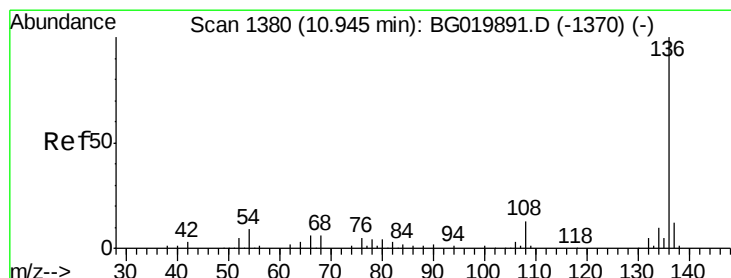
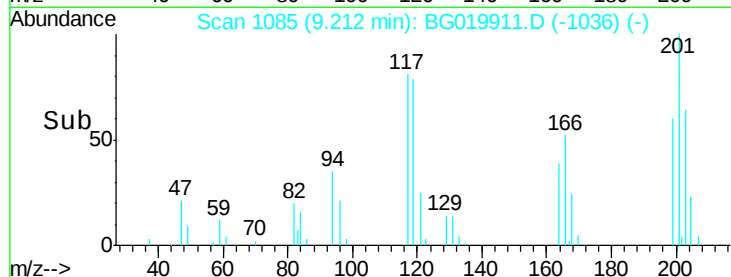
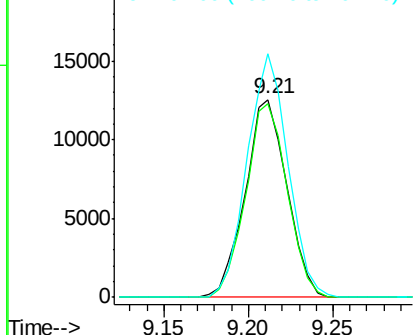
#18
Hexachloroethane
Concen: 24.56 ng
RT: 9.21 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:117 Resp: 21536
Ion Ratio Lower Upper
117 100
119 97.7 71.7 107.5
201 123.1 90.9 136.3

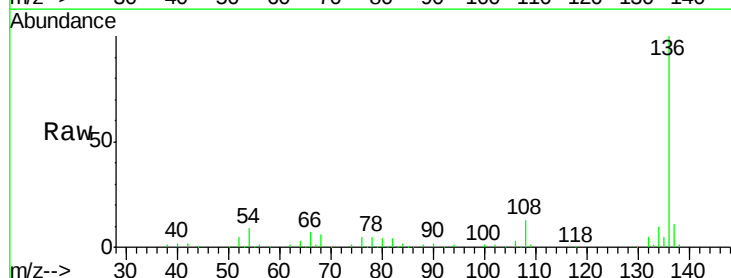


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

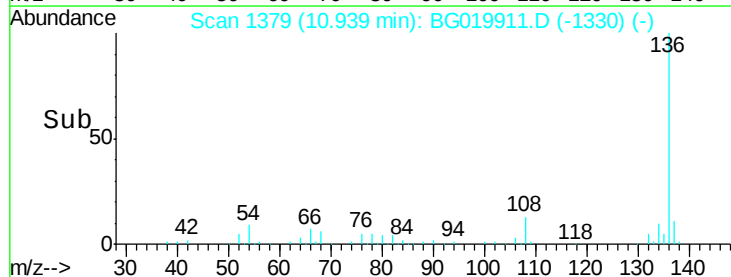
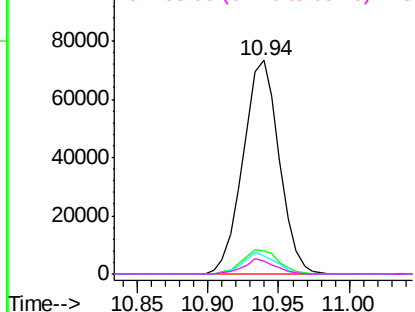


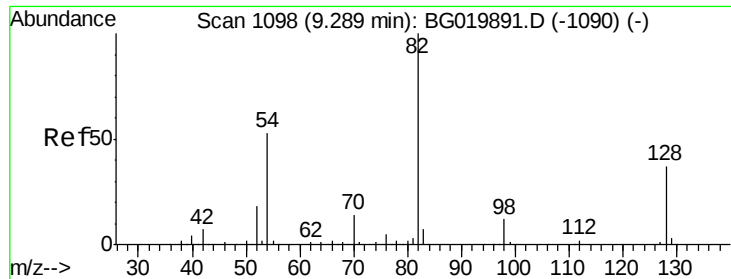
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion:136 Resp: 131520
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.6 5.4 8.2#
68 6.1 5.3 7.9



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): BGC
Ion 68.00 (67.70 to 68.70): BGC

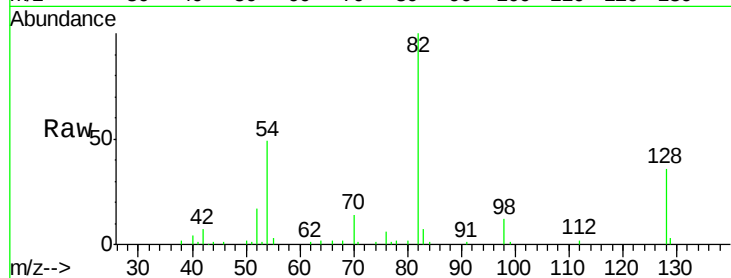




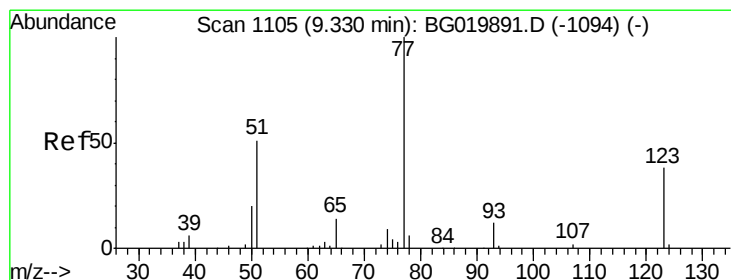
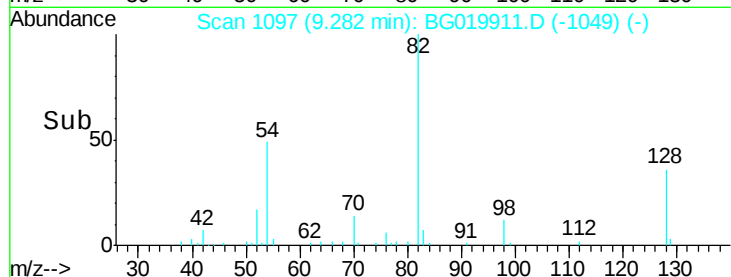
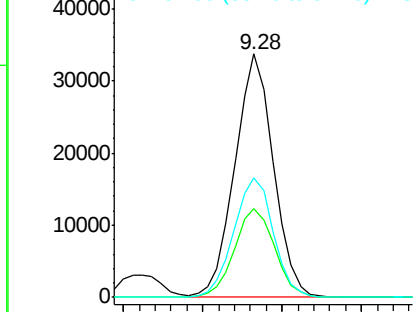
#23
Nitrobenzene-d5
Concen: 22.08 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.02 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Instrument :
BNA_G
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PT-BNA-SOILD

Tgt Ion: 82 Resp: 56906
Ion Ratio Lower Upper
82 100
128 36.3 36.7 55.1#
54 48.9 33.8 50.8

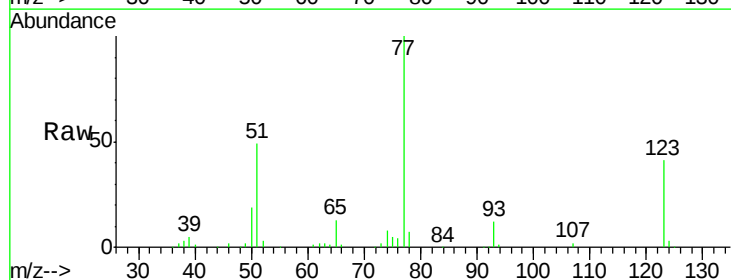


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

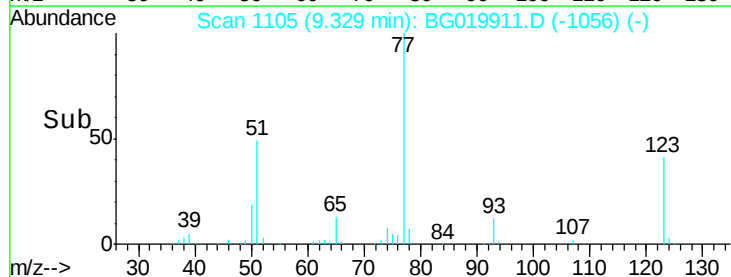
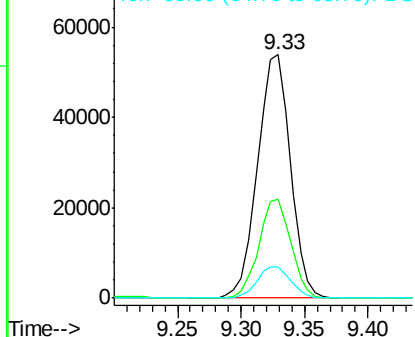


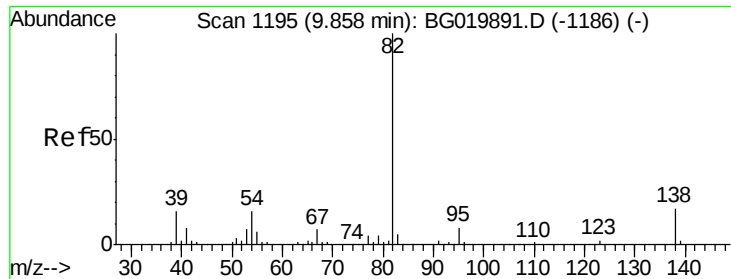
#24
Nitrobenzene
Concen: 34.78 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion: 77 Resp: 97227
Ion Ratio Lower Upper
77 100
123 40.6 38.2 57.2
65 13.1 10.6 16.0



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





#25

Isophorone

Concen: 40.20 ng

RT: 9.85 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

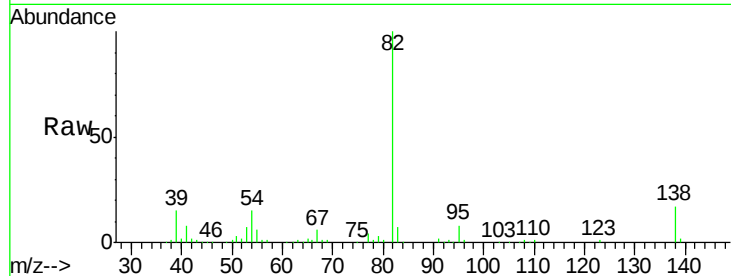
Tgt Ion: 82 Resp: 222128

Ion Ratio Lower Upper

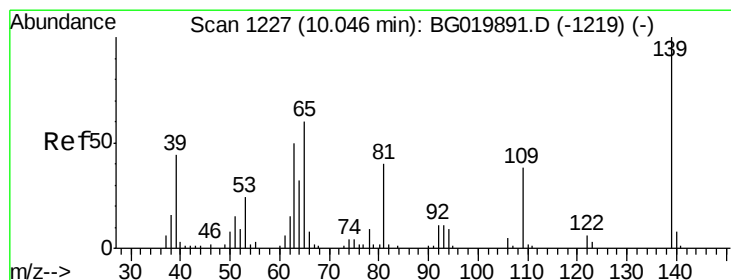
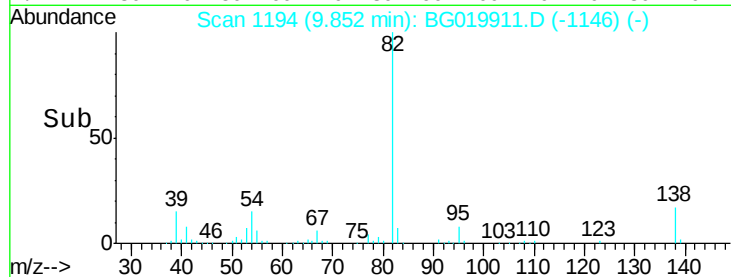
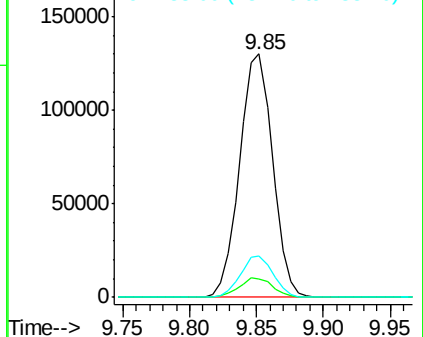
82 100

95 7.7 5.2 7.8

138 17.0 14.4 21.6



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



#26

2-Nitrophenol

Concen: 3.57 ng

RT: 9.85 min Scan# 1194

Delta R.T. -0.20 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

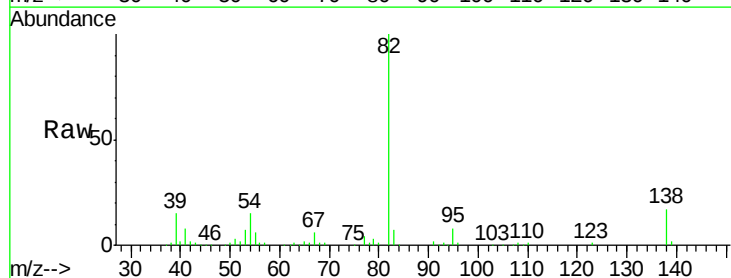
Tgt Ion: 139 Resp: 3853

Ion Ratio Lower Upper

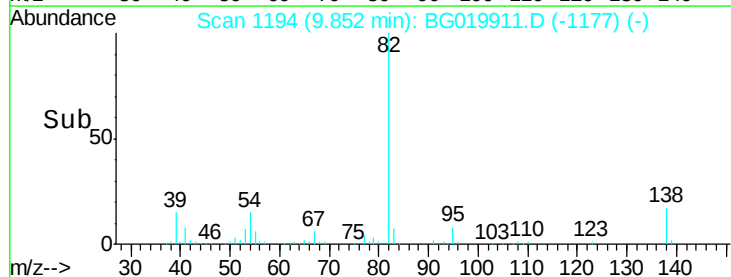
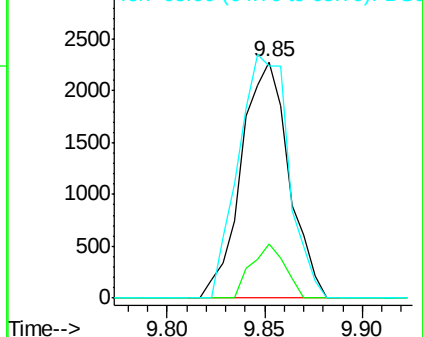
139 100

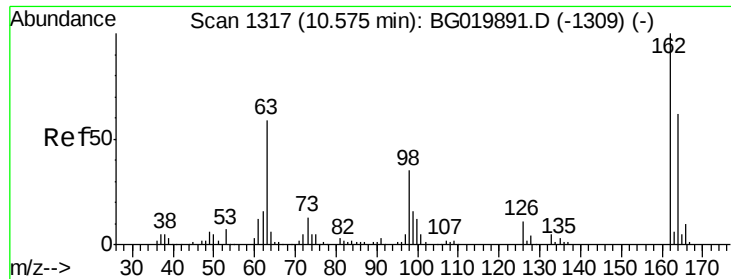
109 23.2 20.1 30.1

65 98.3 34.1 51.1#



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

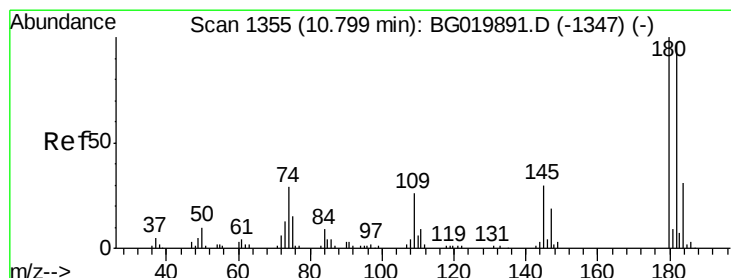
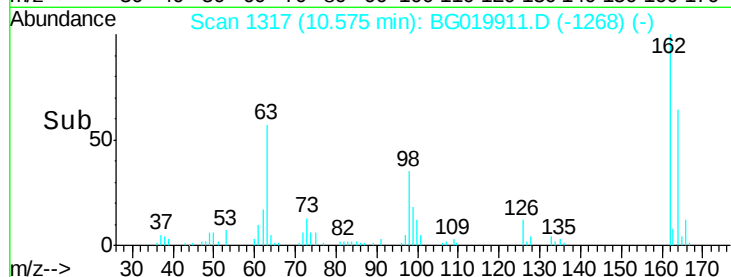
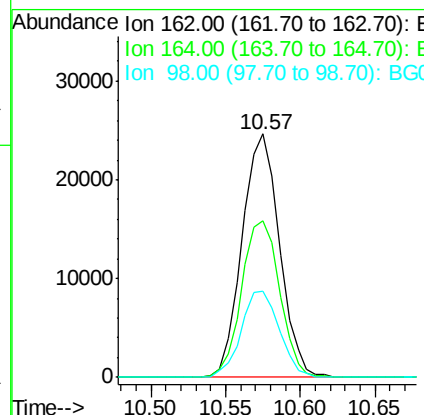
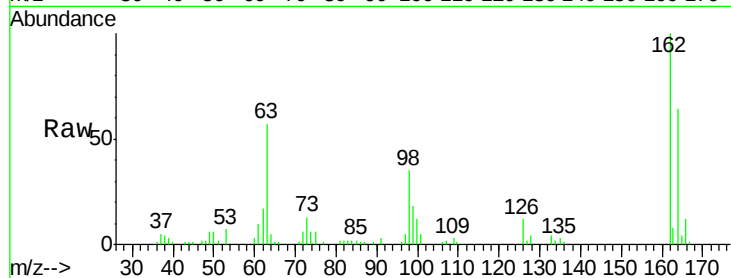




#29
2,4-Dichlorophenol
Concen: 18.66 ng
RT: 10.57 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

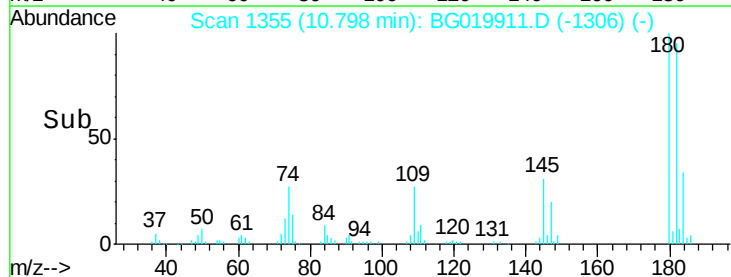
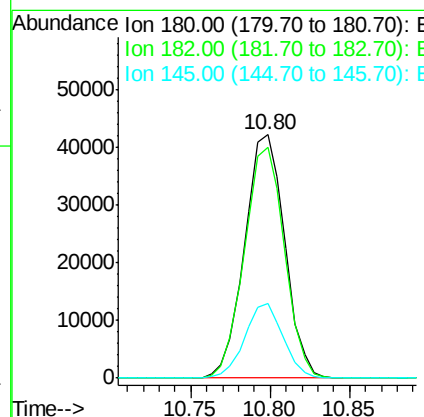
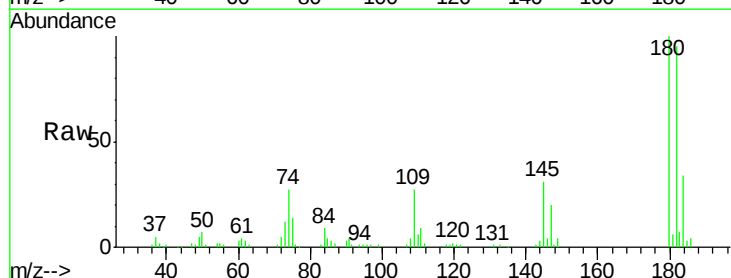
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

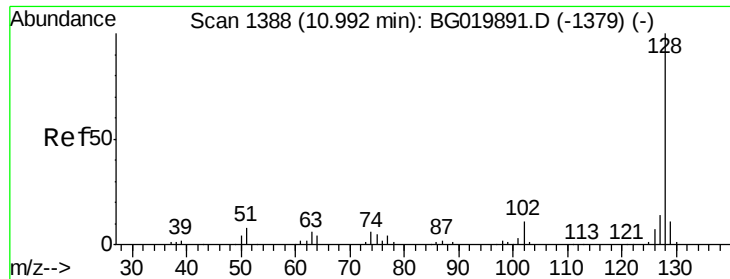
Tgt Ion:162 Resp: 42853
Ion Ratio Lower Upper
162 100
164 64.4 42.3 82.3
98 35.3 11.5 51.5



#30
1,2,4-Trichlorobenzene
Concen: 28.57 ng
RT: 10.80 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion:180 Resp: 74170
Ion Ratio Lower Upper
180 100
182 94.7 79.7 119.5
145 30.6 22.0 33.0

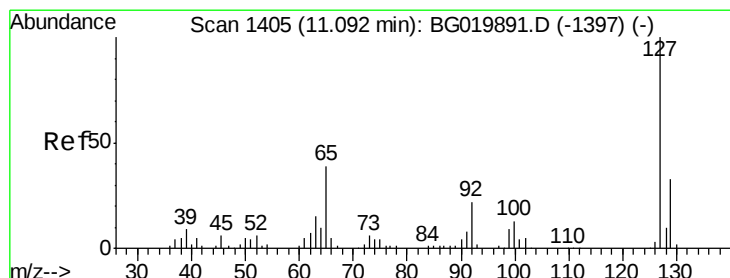
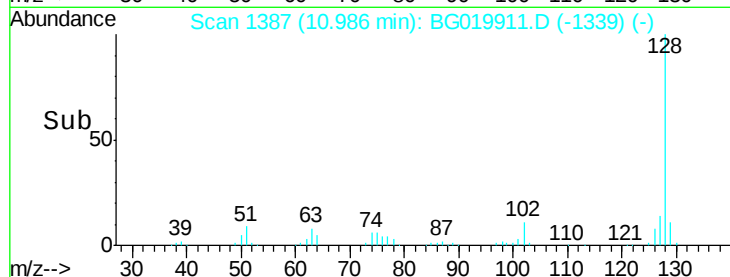
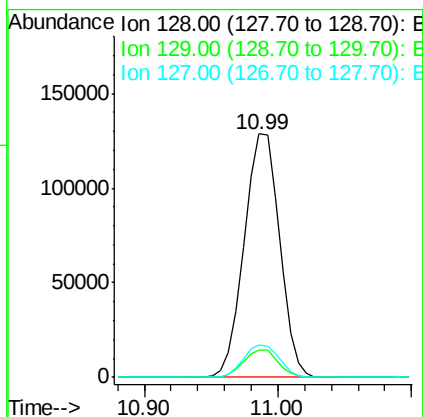
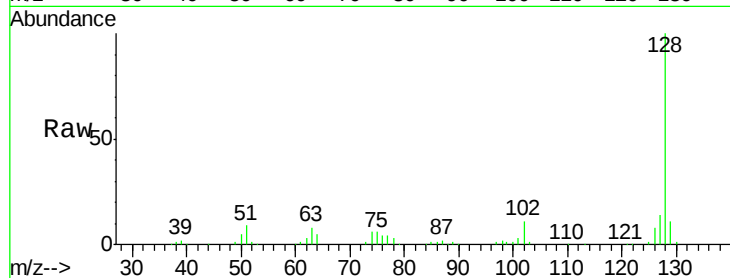




#31
Naphthalene
Concen: 33.49 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

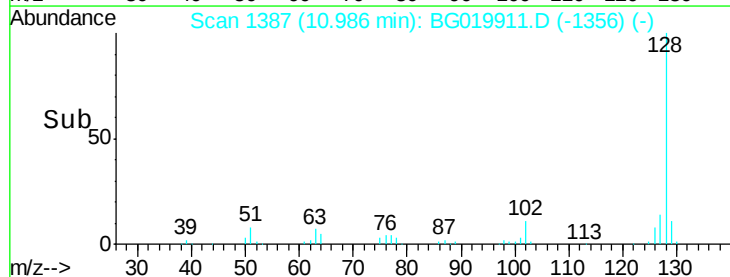
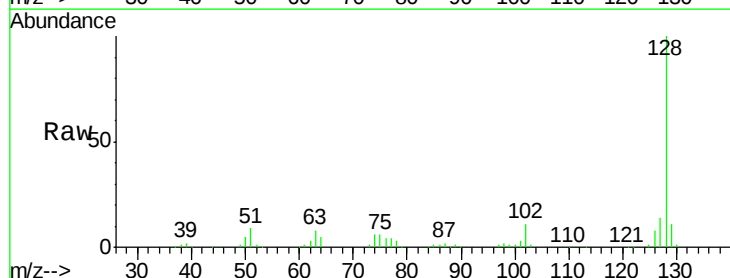
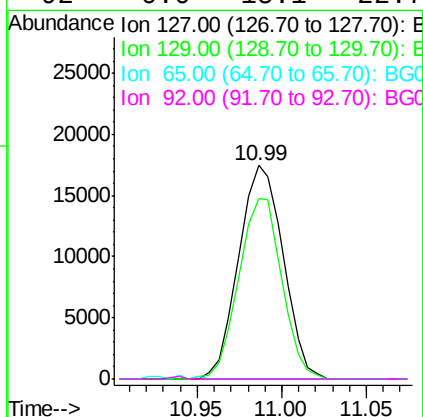
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

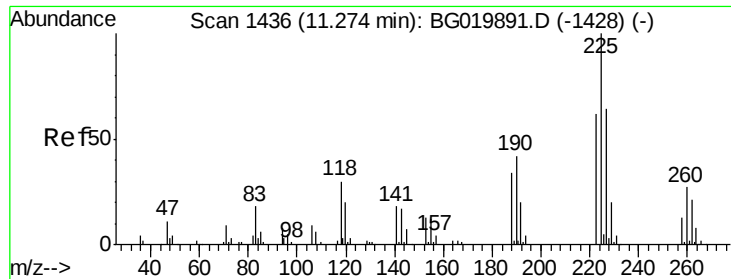
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	13.6	10.6	16.0



#33
4-Chloroaniline
Concen: 10.30 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.12 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion	Ratio	Lower	Upper
127	100		
129	84.4	24.6	37.0#
65	0.0	22.6	33.8#
92	0.0	15.1	22.7#

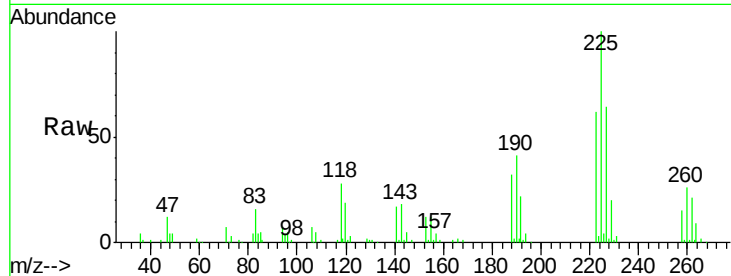




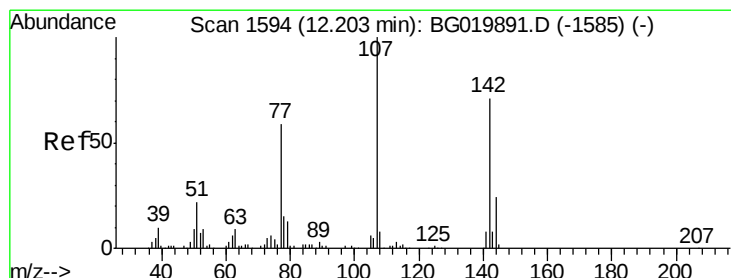
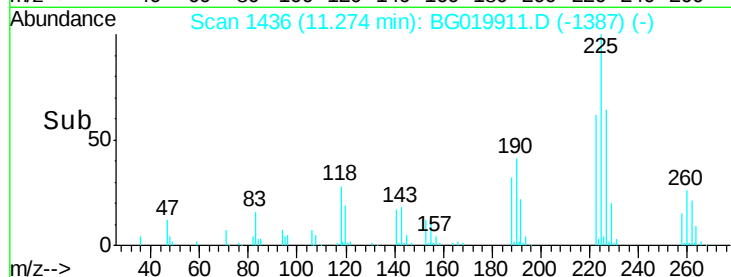
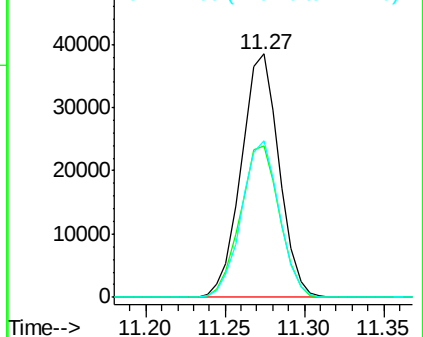
#34
Hexachlorobutadiene
Concen: 33.25 ng
RT: 11.27 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion: 225 Resp: 63665
Ion Ratio Lower Upper
225 100
223 62.4 51.0 76.4
227 64.3 51.8 77.8

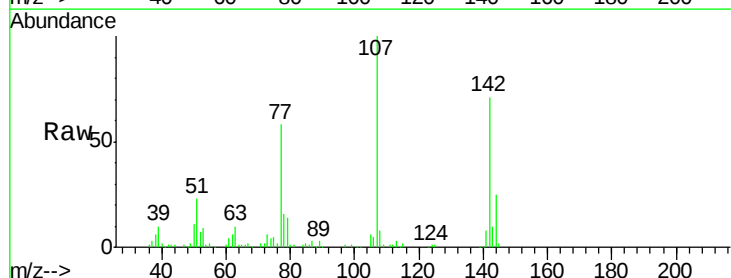


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

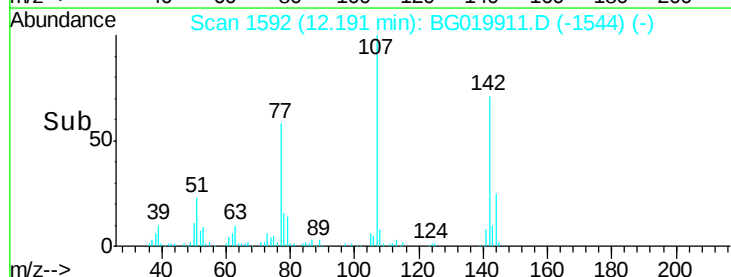
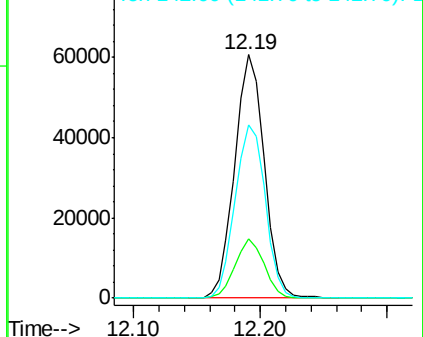


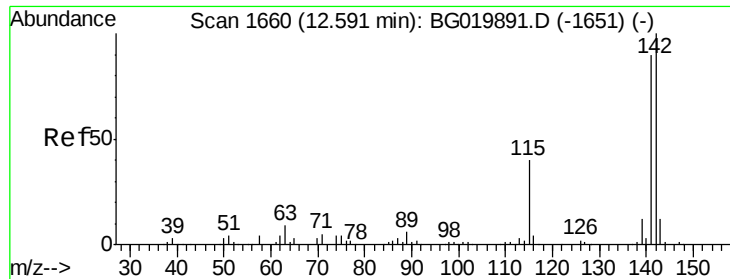
#36
4-Chloro-3-methylphenol
Concen: 34.22 ng
RT: 12.19 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion: 107 Resp: 97890
Ion Ratio Lower Upper
107 100
144 24.6 20.6 31.0
142 71.0 62.6 93.8



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

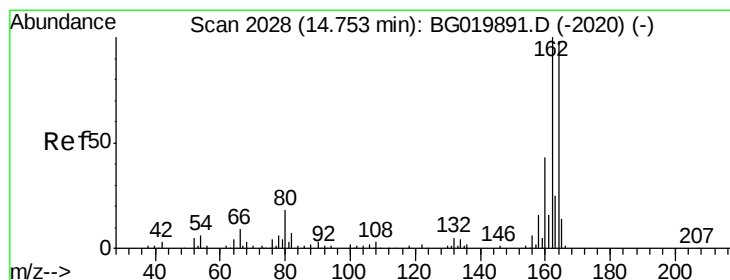
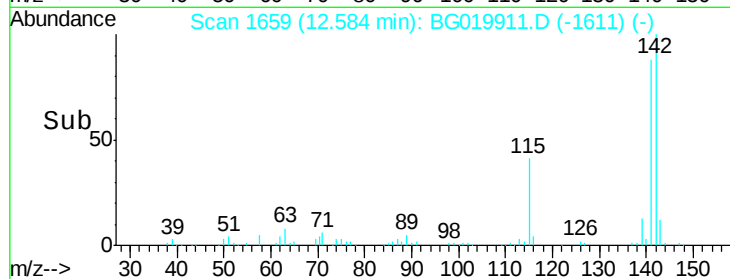
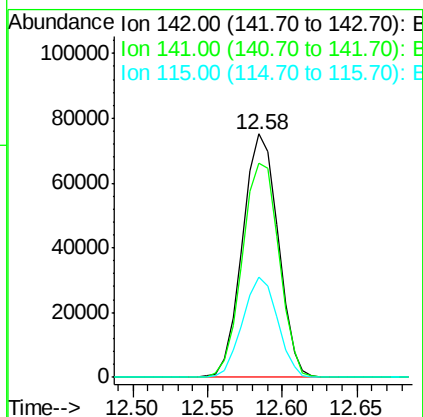
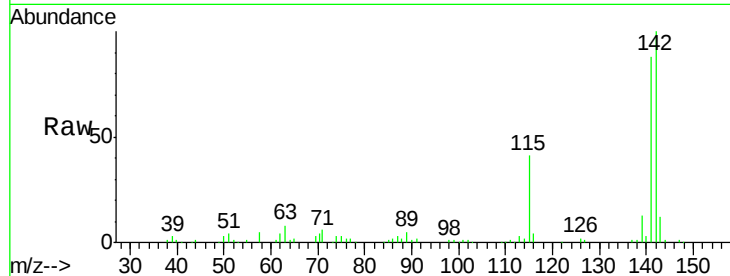




#37
 2-Methylnaphthalene
 Concen: 24.01 ng
 RT: 12.58 min Scan# 1659
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

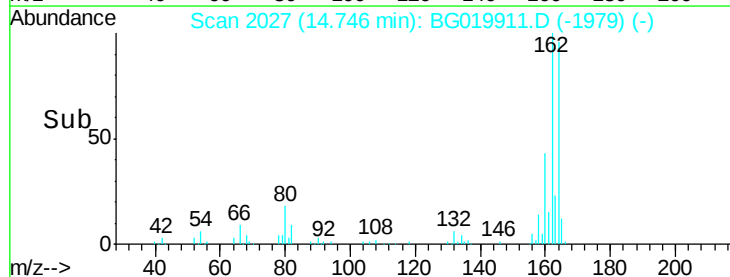
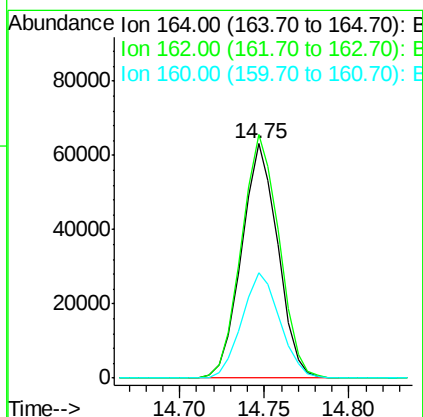
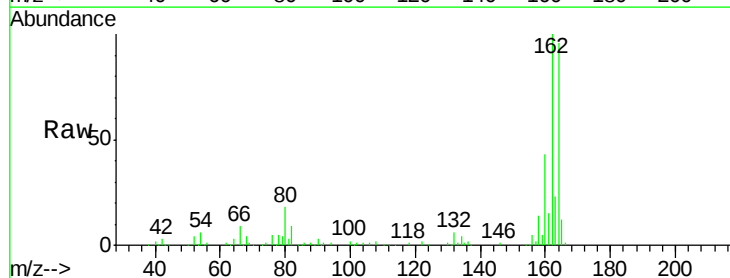
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

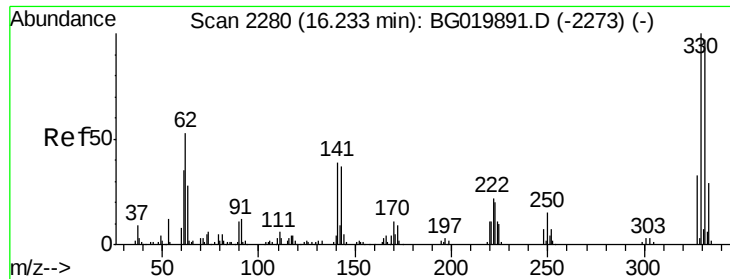
Tgt Ion:142 Resp: 123989
 Ion Ratio Lower Upper
 142 100
 141 88.1 74.6 112.0
 115 41.0 27.4 41.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Tgt Ion:164 Resp: 94210
 Ion Ratio Lower Upper
 164 100
 162 103.9 78.8 118.2
 160 44.9 36.4 54.6

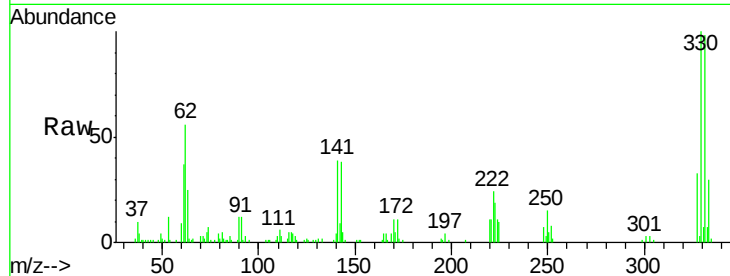




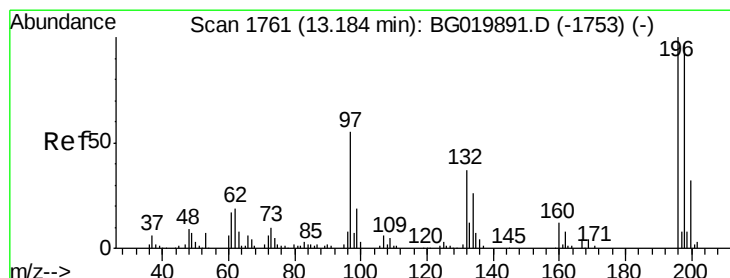
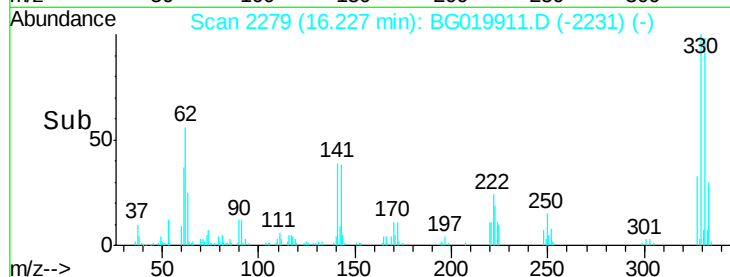
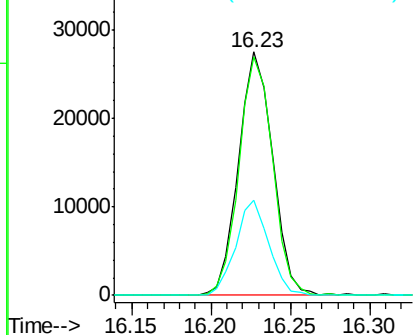
#41
 2,4,6-Tribromophenol
 Concen: 28.54 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion:330 Resp: 41141
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.1 117.1
 141 37.5 28.2 42.2

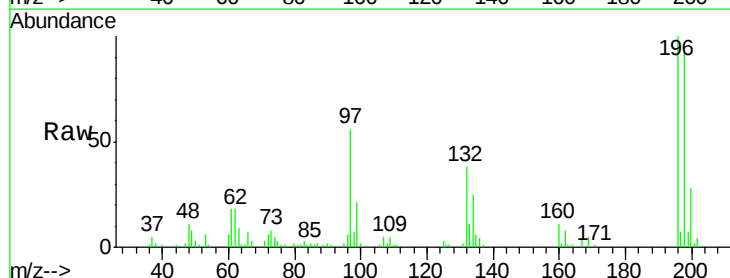


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

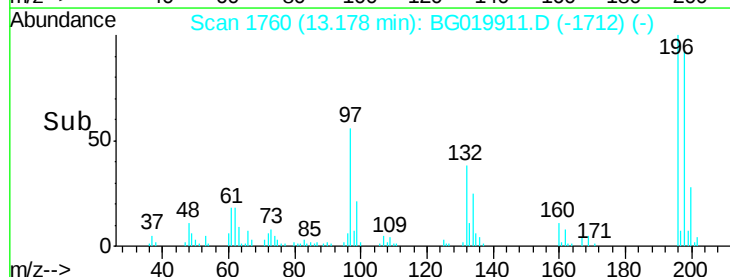
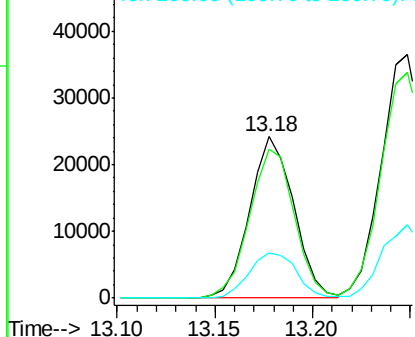


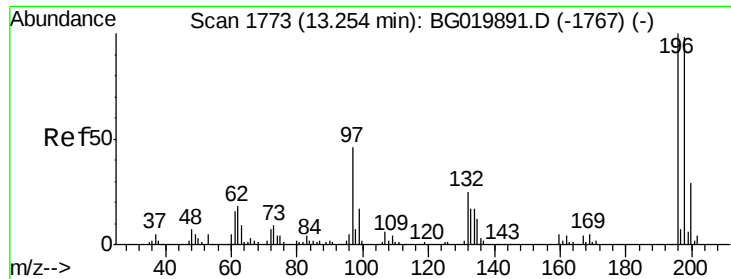
#42
 2,4,6-Trichlorophenol
 Concen: 15.99 ng
 RT: 13.18 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Tgt Ion:196 Resp: 37856
 Ion Ratio Lower Upper
 196 100
 198 92.3 74.7 112.1
 200 28.2 24.1 36.1



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

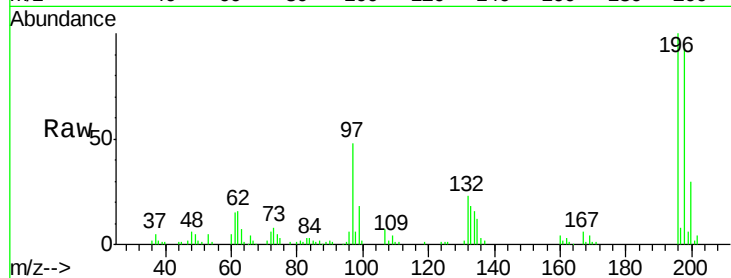




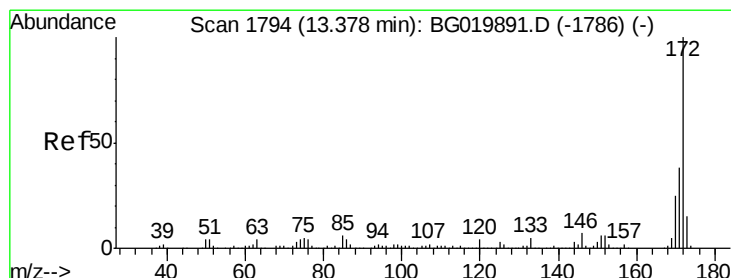
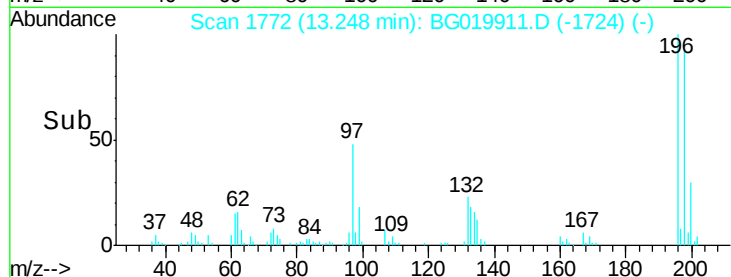
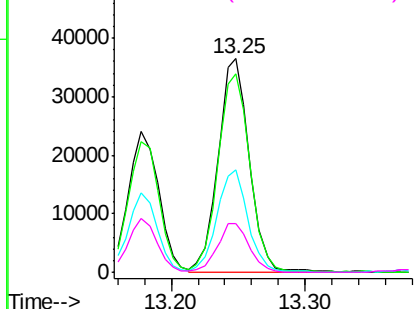
#43
 2,4,5-Trichlorophenol
 Concen: 23.91 ng
 RT: 13.25 min Scan# 1772
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion:196 Resp: 59820
 Ion Ratio Lower Upper
 196 100
 198 92.9 75.2 112.8
 97 48.1 34.2 51.2
 132 22.7 21.8 32.6

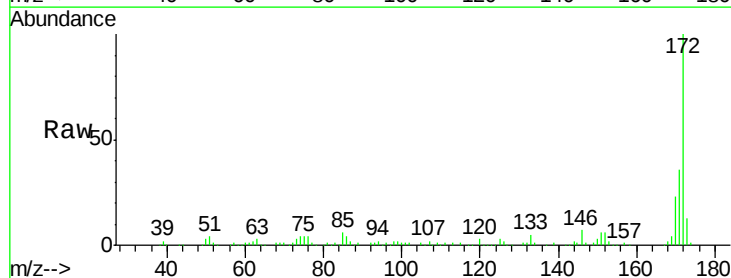


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

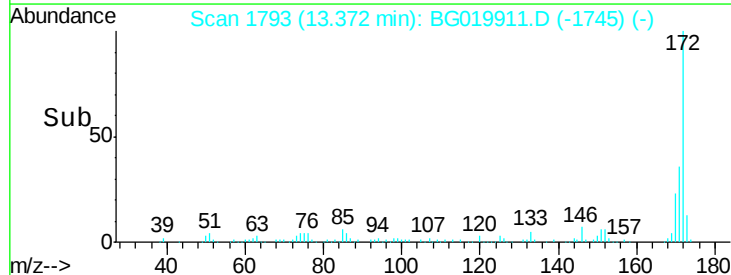
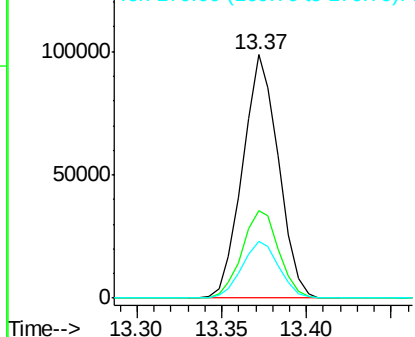


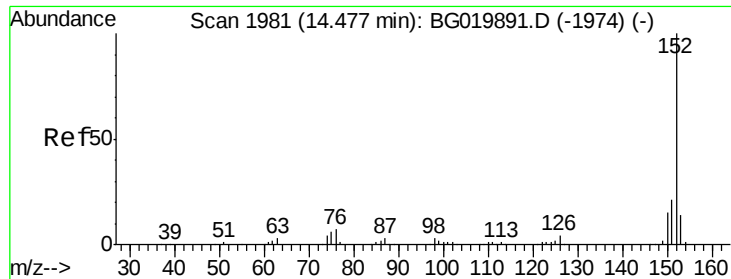
#44
 2-Fluorobiphenyl
 Concen: 21.05 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BG019911.D
 Acq: 4 Dec 2015 19:08

Tgt Ion:172 Resp: 145257
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 23.1 19.9 29.9



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





#48

Acenaphthylene

Concen: 21.41 ng

RT: 14.47 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

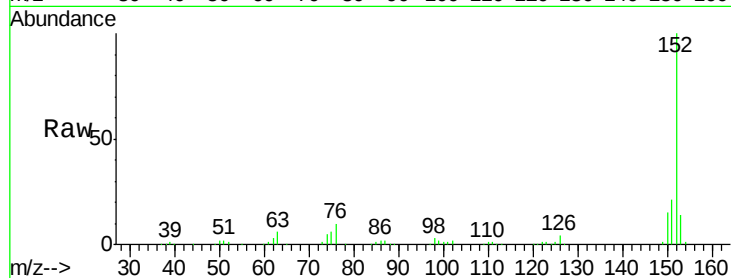
Tgt Ion:152 Resp: 217284

Ion Ratio Lower Upper

152 100

151 21.0 17.0 25.4

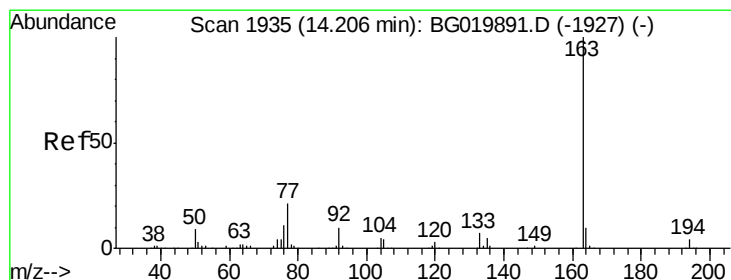
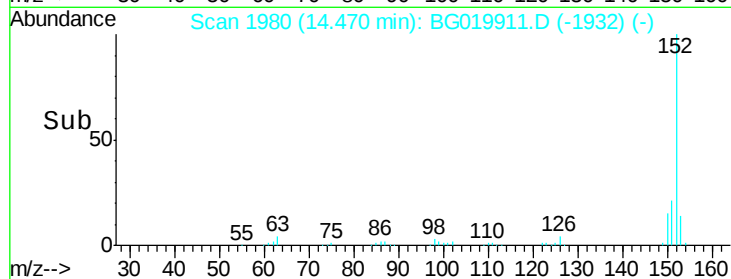
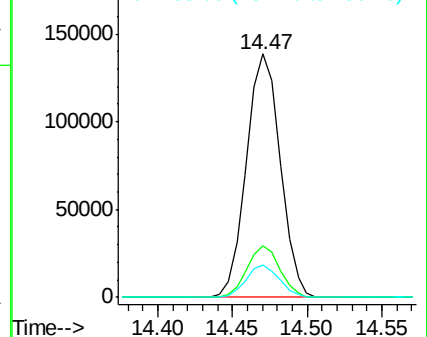
153 13.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 38.23 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

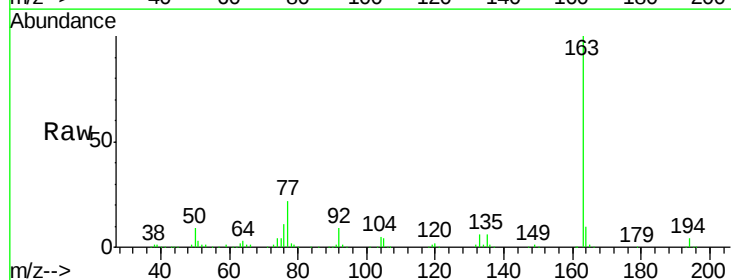
Tgt Ion:163 Resp: 323943

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

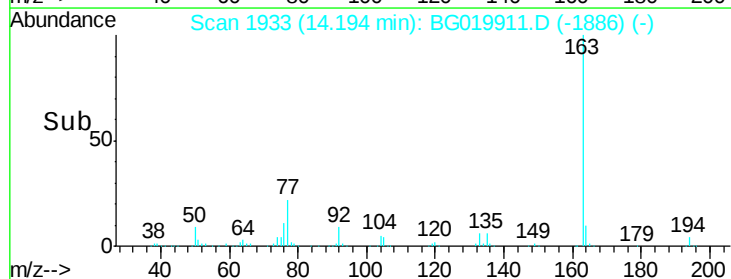
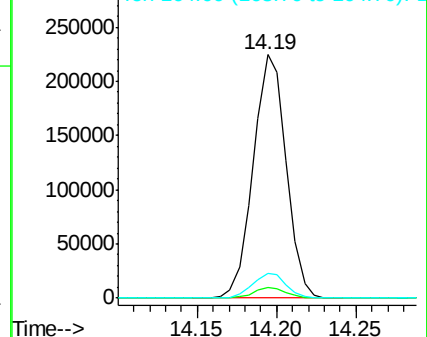
164 10.1 8.8 13.2

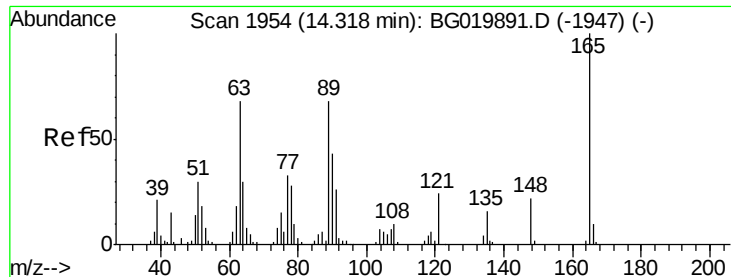


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

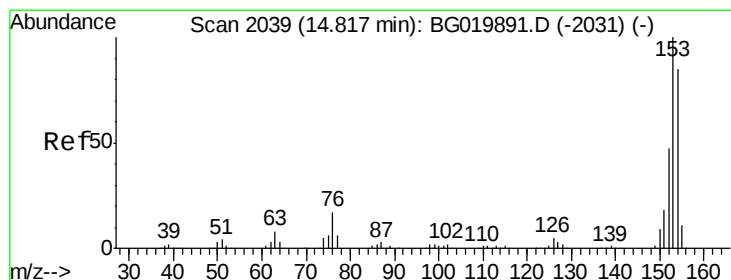
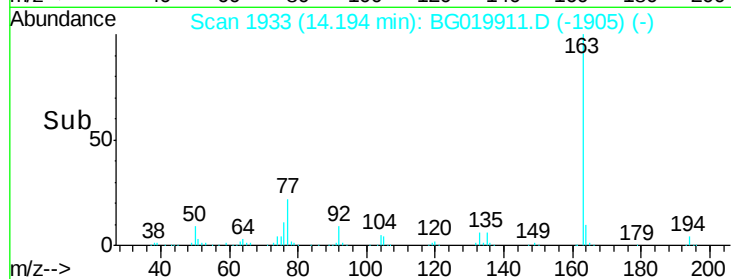
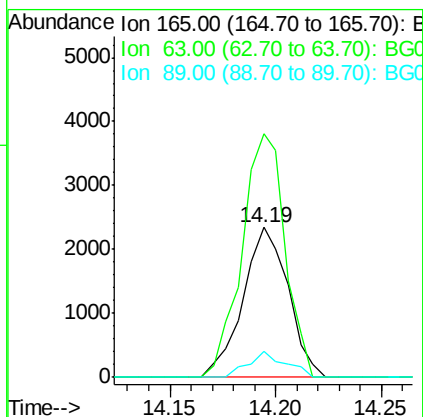
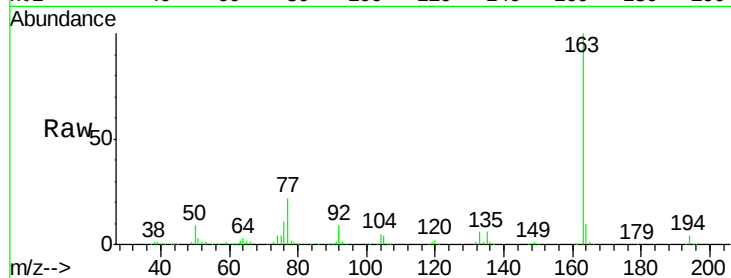




#50
2,6-Dinitrotoluene
Concen: 2.19 ng
RT: 14.19 min Scan# 1933
Delta R.T. -0.14 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

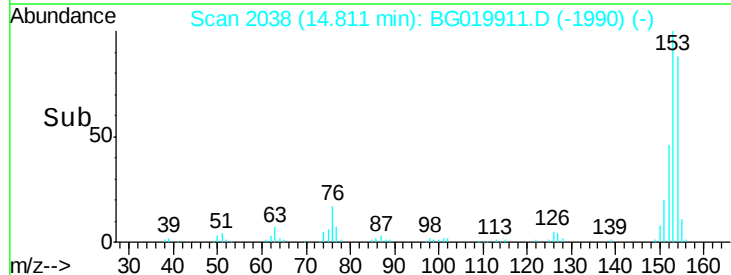
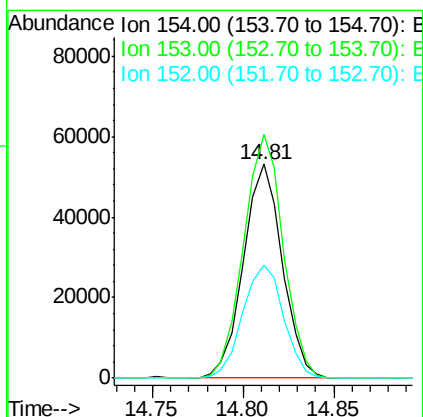
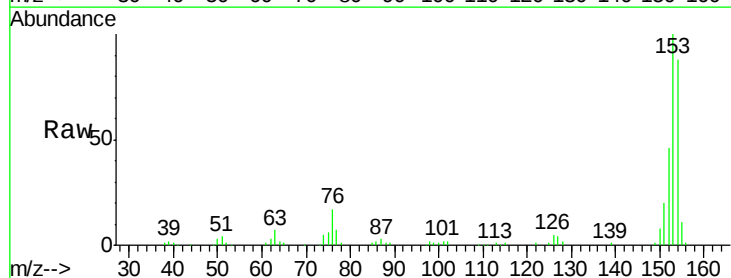
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

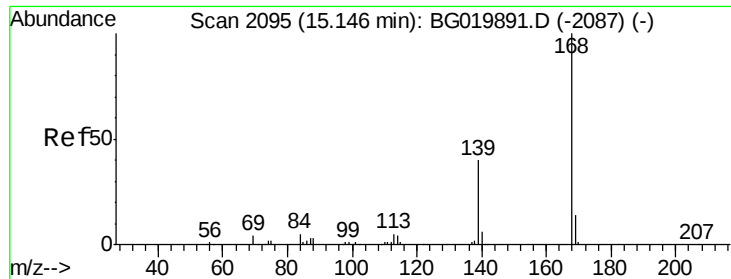
Tgt Ion:165 Resp: 3493
Ion Ratio Lower Upper
165 100
63 162.7 35.7 53.5#
89 17.1 39.7 59.5#



#51
Acenaphthene
Concen: 12.81 ng
RT: 14.81 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion:154 Resp: 78907
Ion Ratio Lower Upper
154 100
153 113.8 92.9 139.3
152 52.9 45.8 68.8





#54

Diben-zofuran

Concen: 42.61 ng

RT: 15.15 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

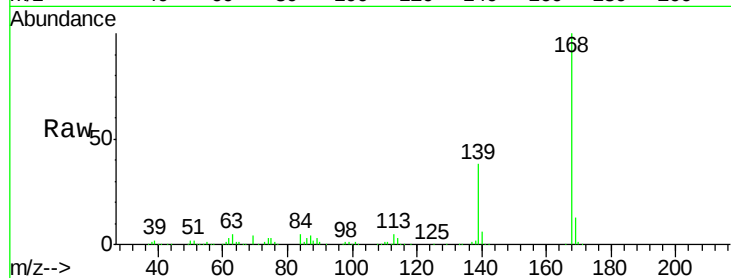
Tgt Ion:168 Resp: 390473

Ion Ratio Lower Upper

168 100

139 38.2 27.4 41.0

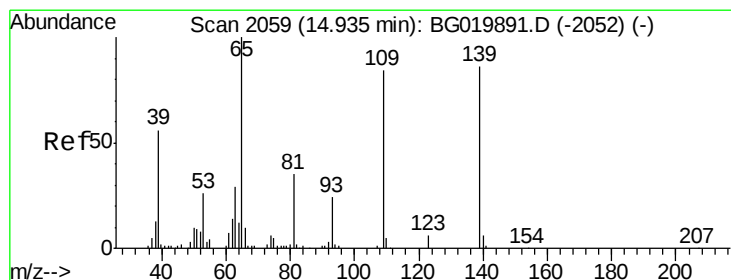
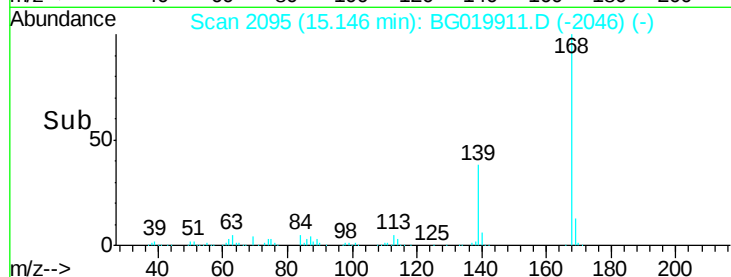
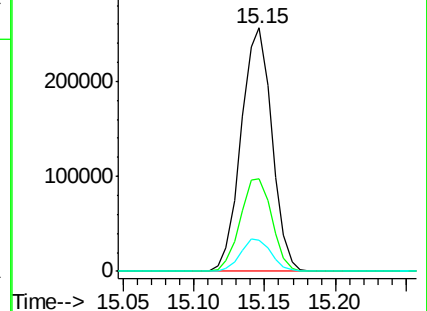
169 12.8 11.0 16.4



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



#55

4-Nitrophenol

Concen: 25.57 ng

RT: 14.93 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

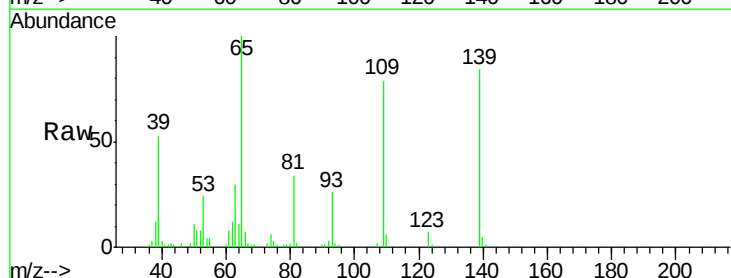
Tgt Ion:139 Resp: 36862

Ion Ratio Lower Upper

139 100

109 94.5 43.2 83.2#

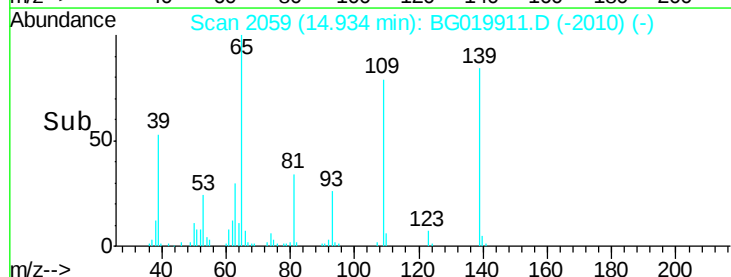
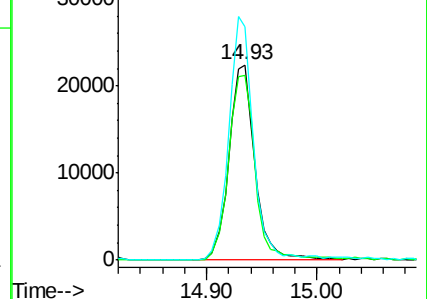
65 119.4 67.8 107.8#

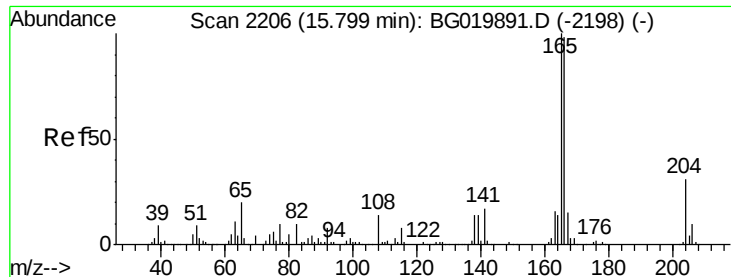


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

Fluorene

Concen: 29.27 ng

RT: 15.79 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

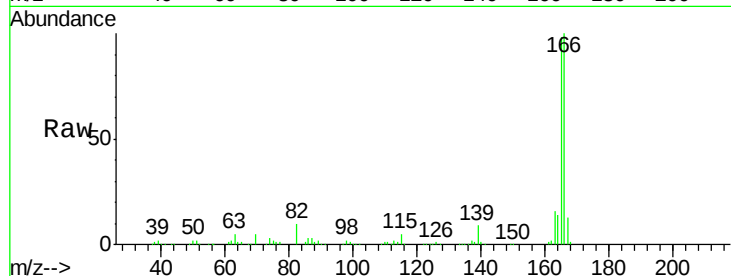
Tgt Ion:166 Resp: 240074

Ion Ratio Lower Upper

166 100

165 97.5 80.0 120.0

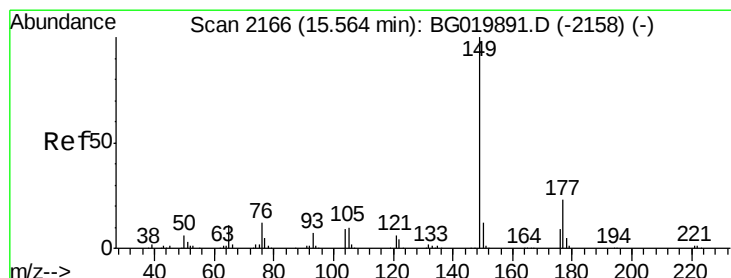
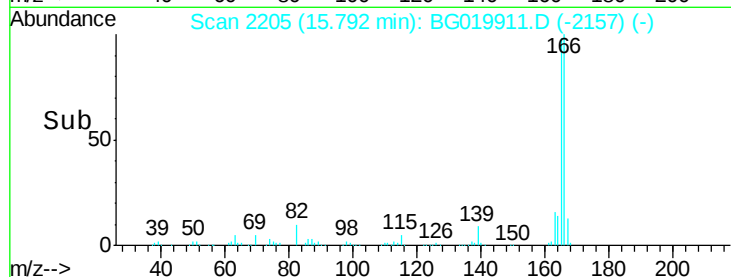
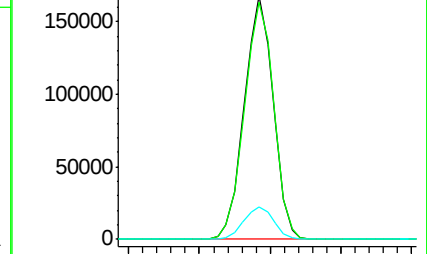
167 13.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 31.02 ng

RT: 15.55 min Scan# 2164

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

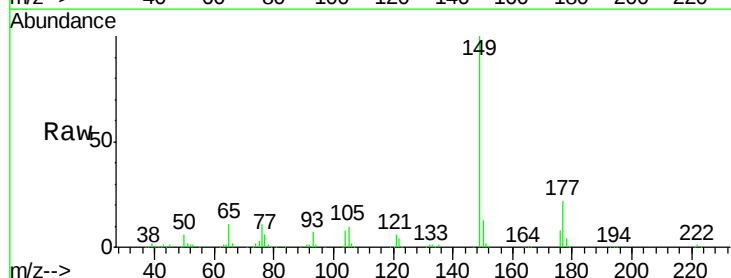
Tgt Ion:149 Resp: 284494

Ion Ratio Lower Upper

149 100

177 21.7 19.6 29.4

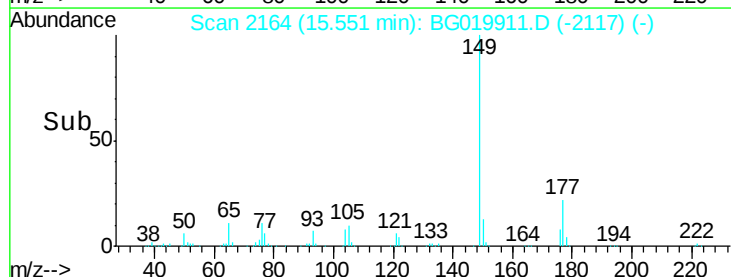
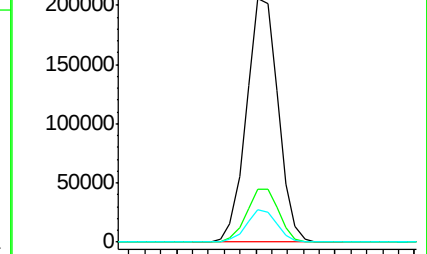
150 13.3 10.2 15.2

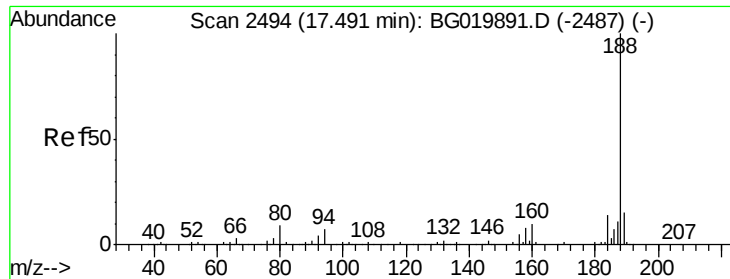


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

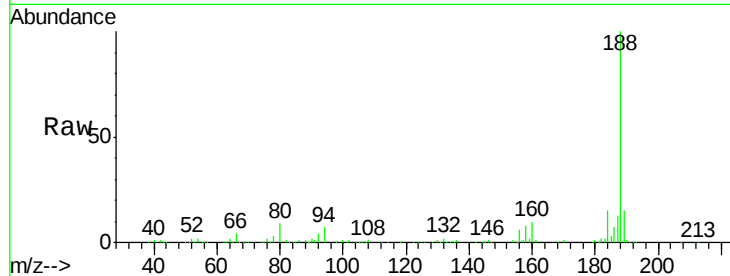
Tgt Ion:188 Resp: 234144

Ion Ratio Lower Upper

188 100

94 6.9 7.7 11.5#

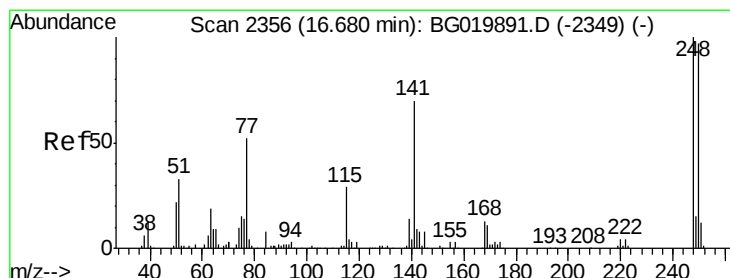
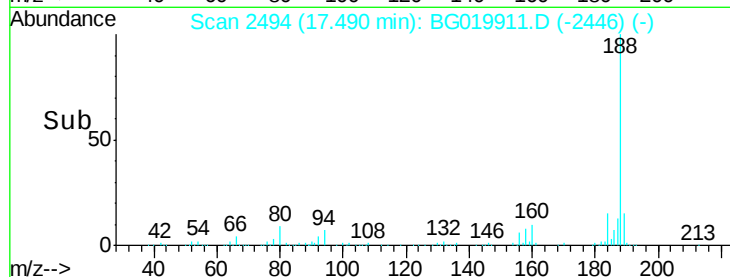
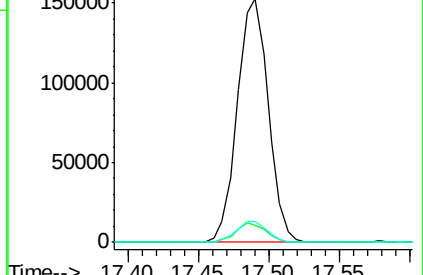
80 8.6 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 19.08 ng

RT: 16.68 min Scan# 2356

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

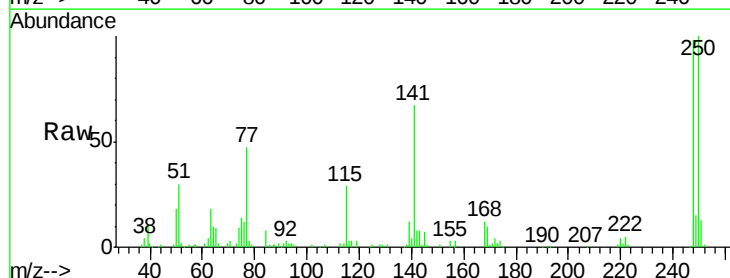
Tgt Ion:248 Resp: 55511

Ion Ratio Lower Upper

248 100

250 102.0 77.8 116.8

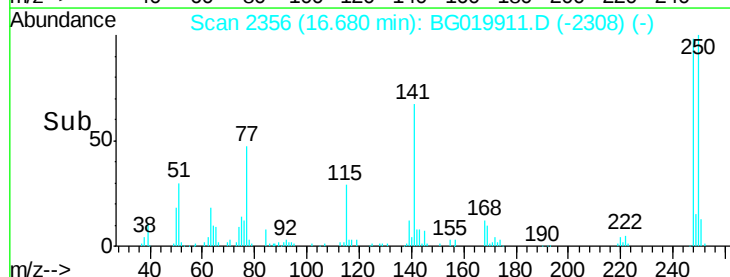
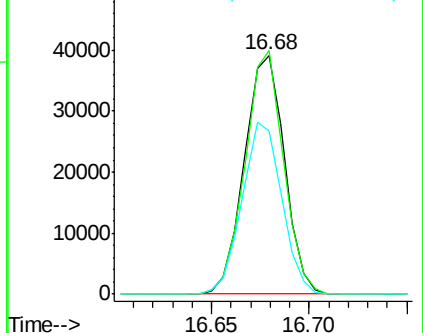
141 68.1 50.4 75.6

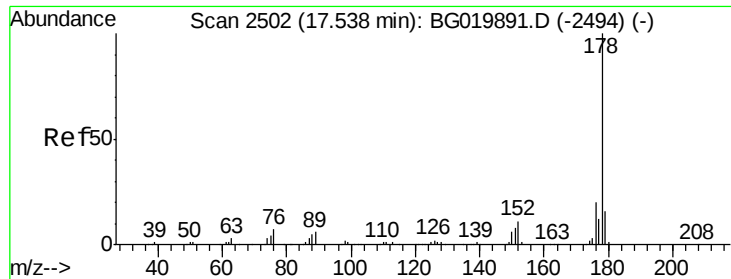


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 19.94 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

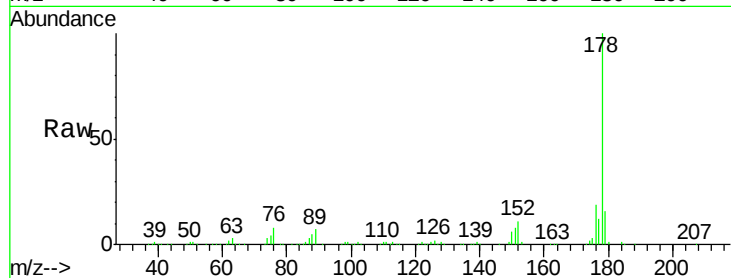
Tgt Ion:178 Resp: 264162

Ion Ratio Lower Upper

178 100

176 18.8 16.7 25.1

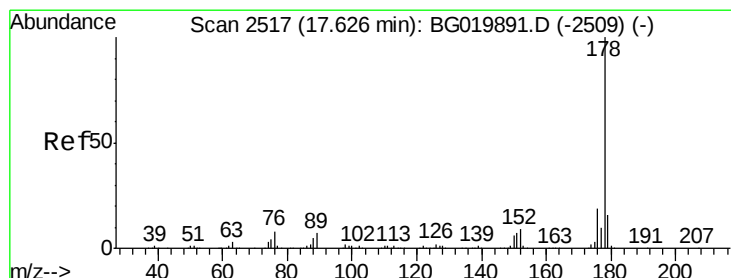
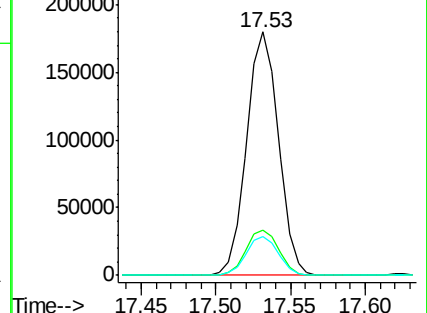
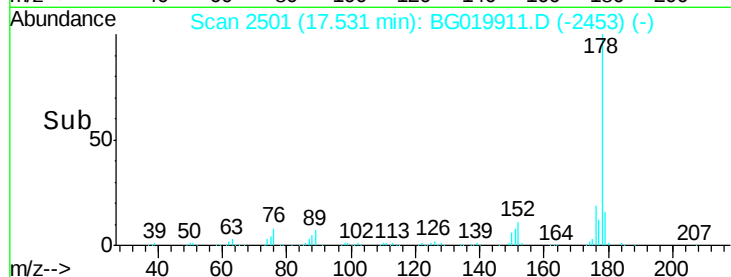
179 16.2 13.9 20.9



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



#71

Anthracene

Concen: 19.58 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.11 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

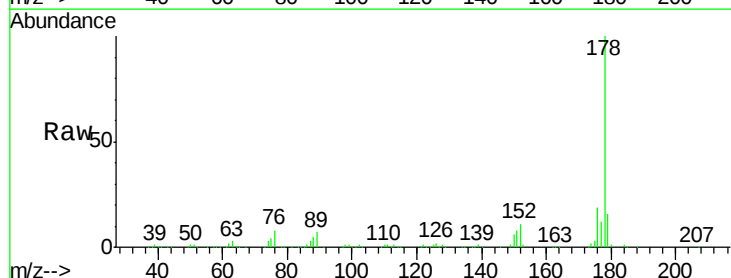
Tgt Ion:178 Resp: 264162

Ion Ratio Lower Upper

178 100

176 18.8 16.8 25.2

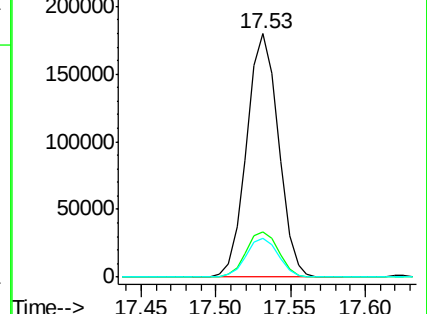
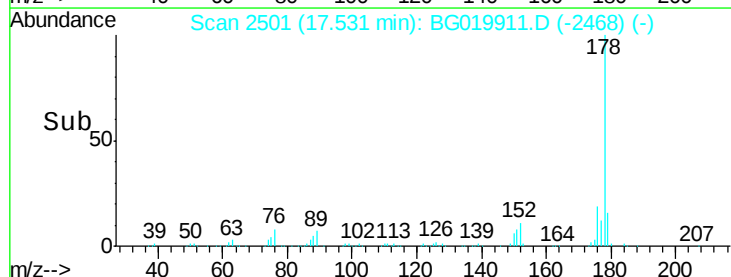
179 16.2 13.9 20.9

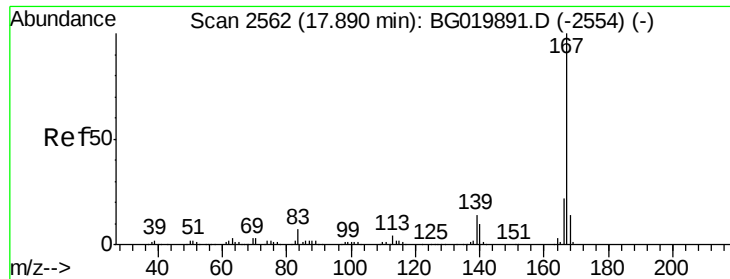


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.09 ng

RT: 17.88 min Scan# 2561

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

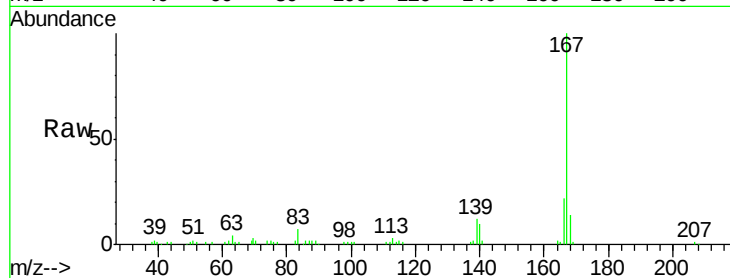
Tgt Ion:167 Resp: 60509

Ion Ratio Lower Upper

167 100

166 21.5 19.0 28.6

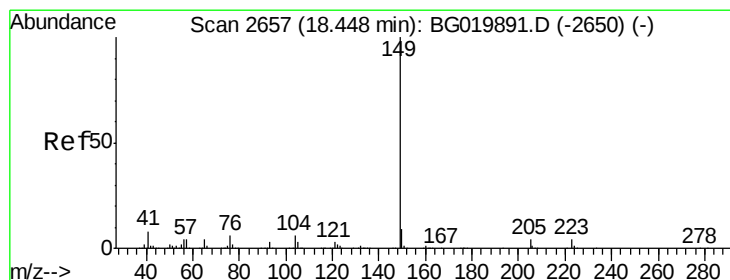
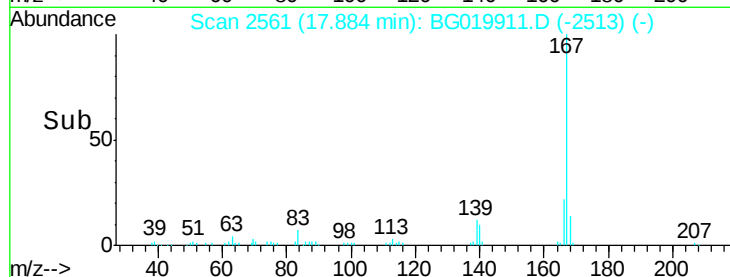
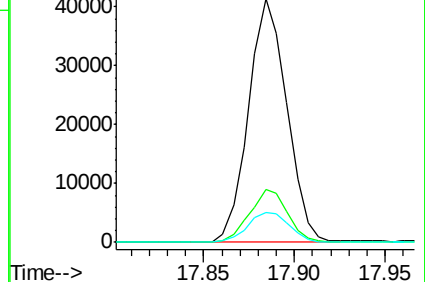
139 12.5 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 9.66 ng

RT: 18.44 min Scan# 2656

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

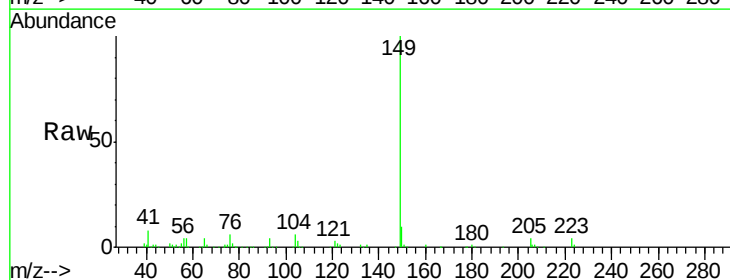
Tgt Ion:149 Resp: 140714

Ion Ratio Lower Upper

149 100

150 10.1 8.2 12.4

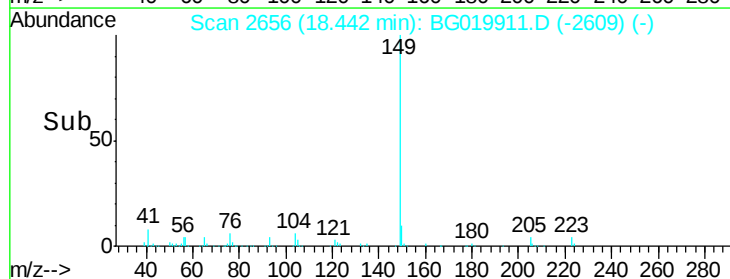
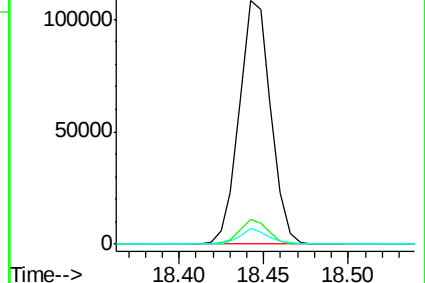
104 6.4 4.4 6.6

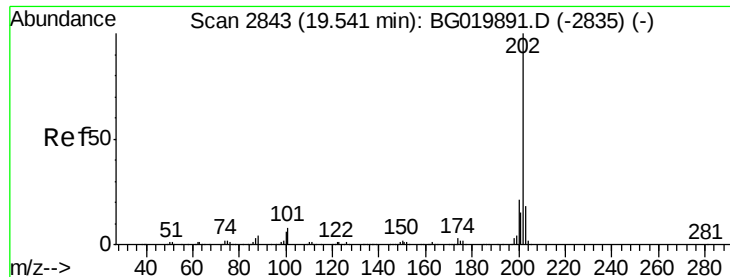


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 19.44 ng

RT: 19.53 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

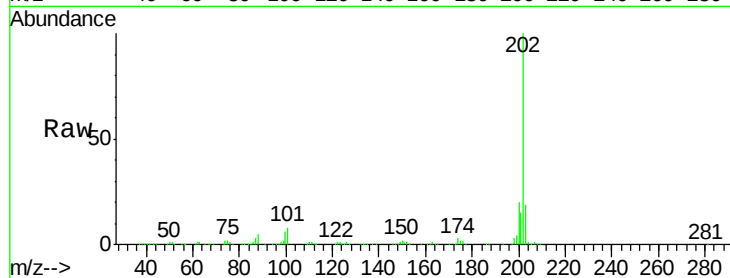
Tgt Ion:202 Resp: 329345

Ion Ratio Lower Upper

202 100

101 8.0 0.0 32.4

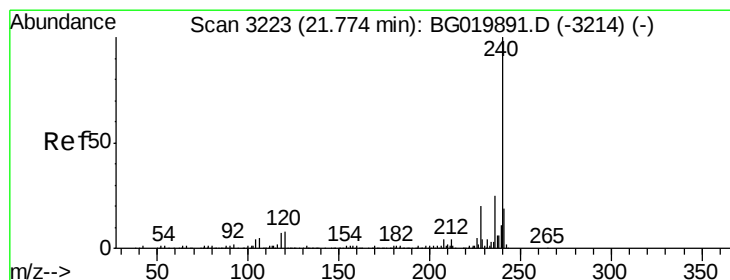
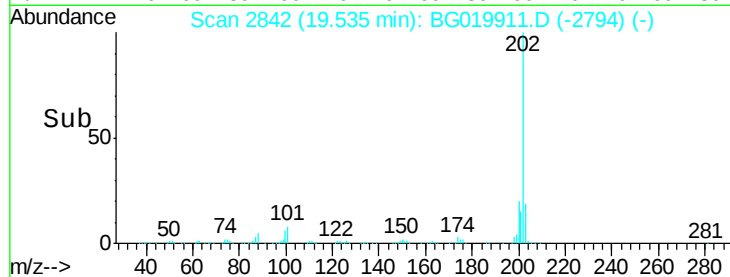
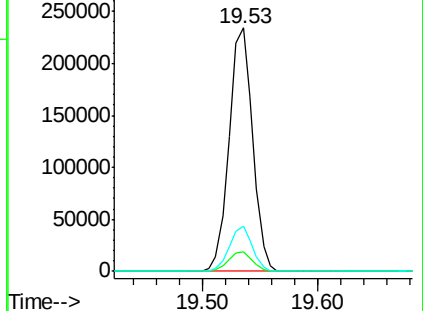
203 18.6 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.03 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

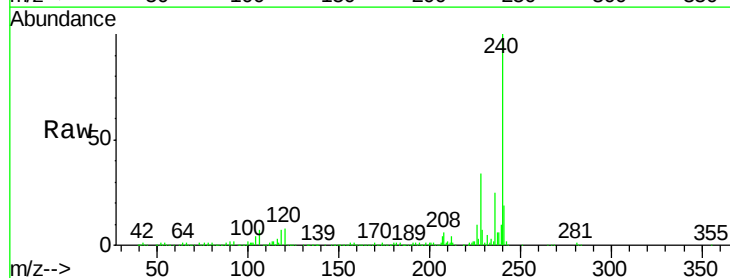
Tgt Ion:240 Resp: 274734

Ion Ratio Lower Upper

240 100

120 8.1 7.4 11.0

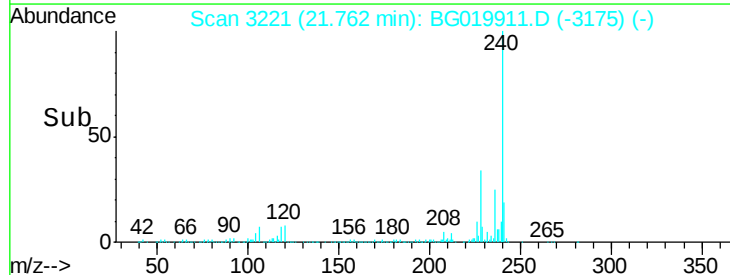
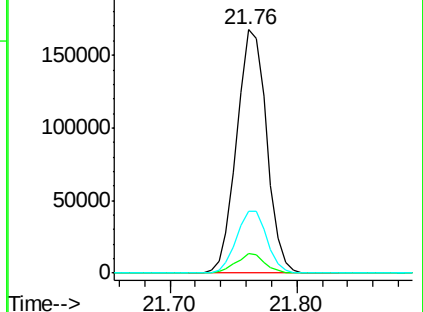
236 25.4 20.7 31.1

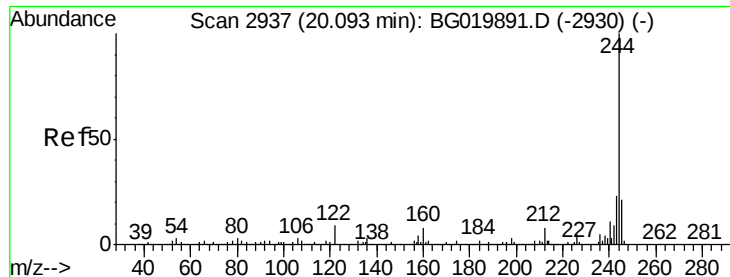


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 22.38 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

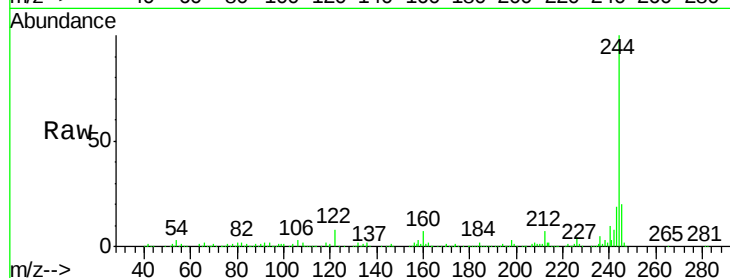
Tgt Ion:244 Resp: 252052

Ion Ratio Lower Upper

244 100

212 7.4 6.9 10.3

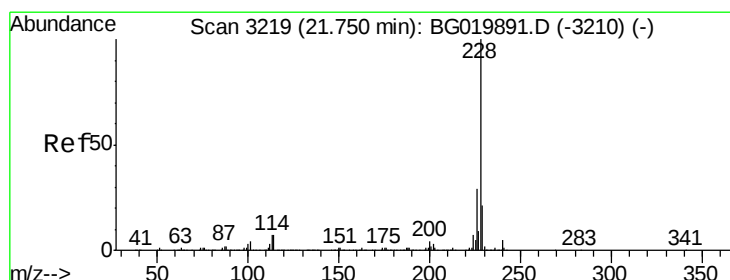
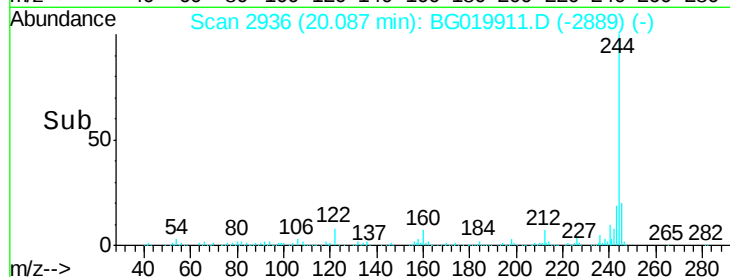
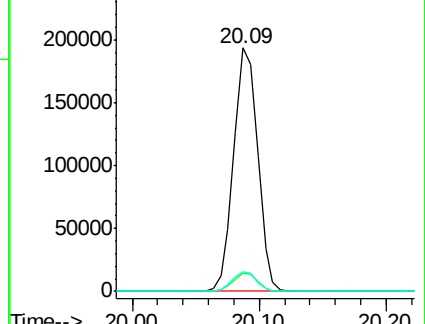
122 8.1 10.2 15.2#



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

Benzo(a)anthracene

Concen: 21.86 ng

RT: 21.74 min Scan# 3218

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

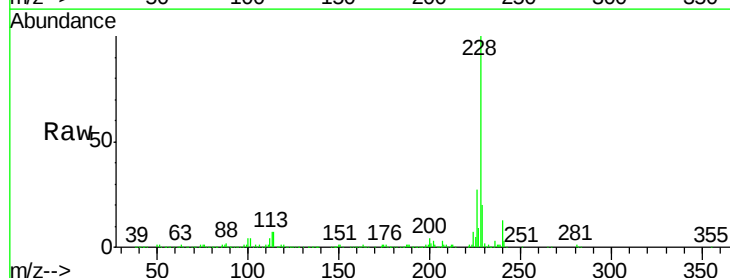
Tgt Ion:228 Resp: 367585

Ion Ratio Lower Upper

228 100

226 27.3 23.4 35.0

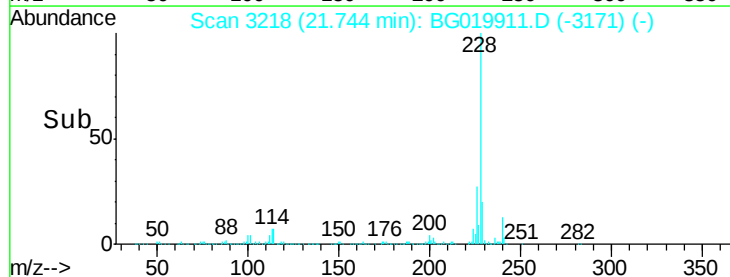
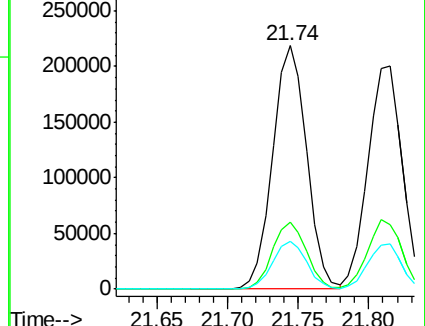
229 19.6 16.6 25.0

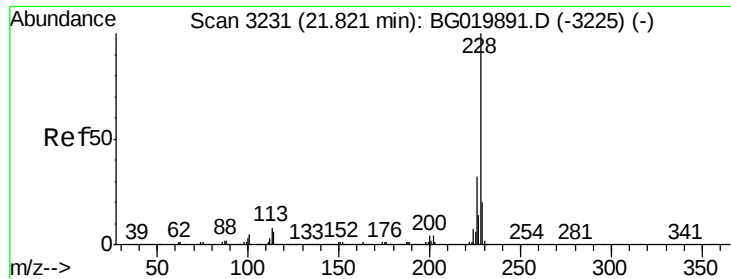


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.14 ng

RT: 21.81 min Scan# 3230

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

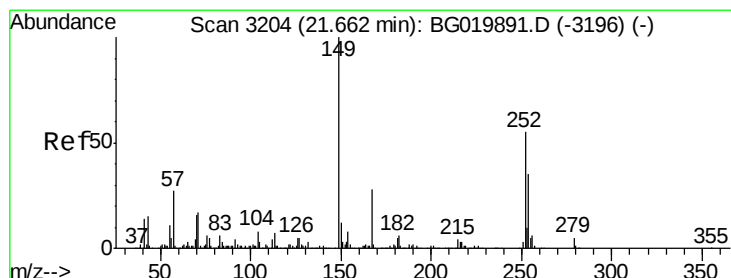
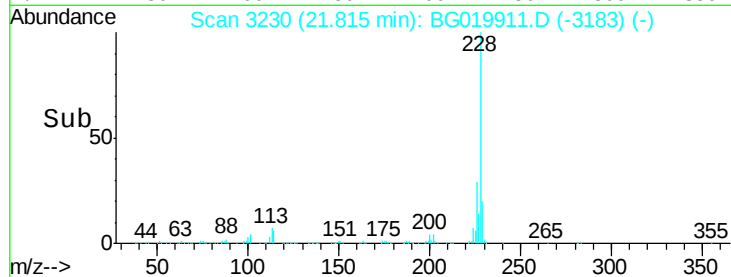
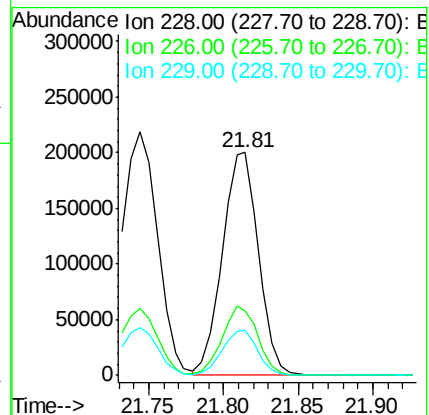
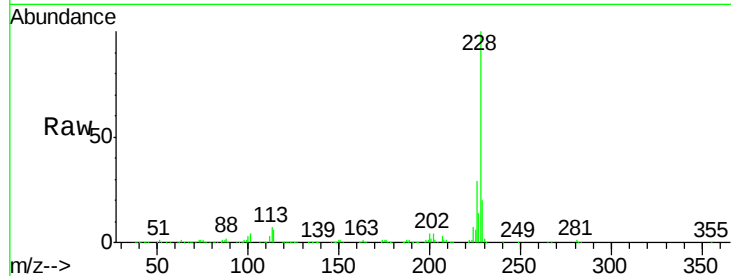
Tgt Ion:228 Resp: 337584

Ion Ratio Lower Upper

228 100

226 29.1 26.7 40.1

229 20.1 17.0 25.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 24.39 ng

RT: 21.65 min Scan# 3202

Delta R.T. -0.04 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

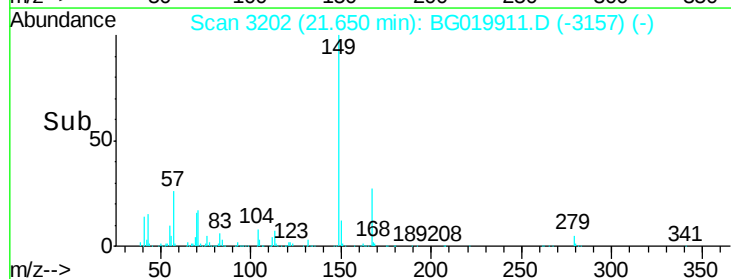
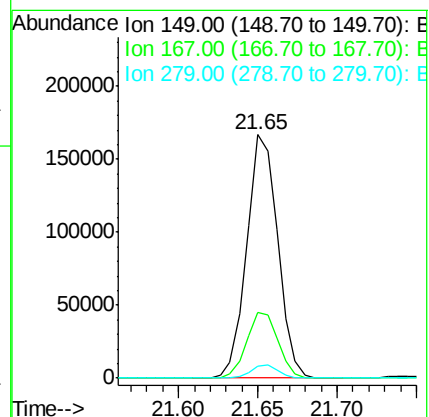
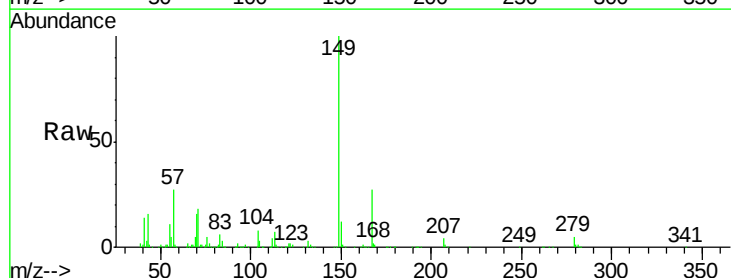
Tgt Ion:149 Resp: 226753

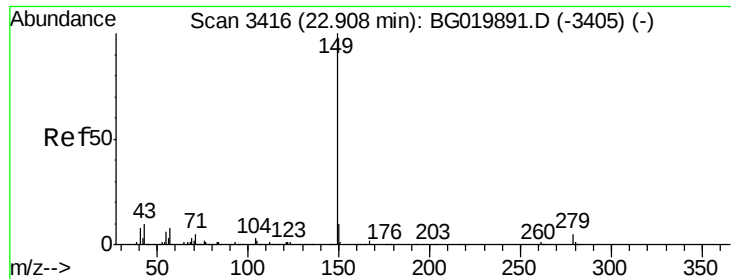
Ion Ratio Lower Upper

149 100

167 26.9 23.8 35.8

279 4.6 3.4 5.2





#84

Di-n-octyl phthalate

Concen: 24.00 ng

RT: 22.89 min Scan# 3413

Delta R.T. -0.05 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

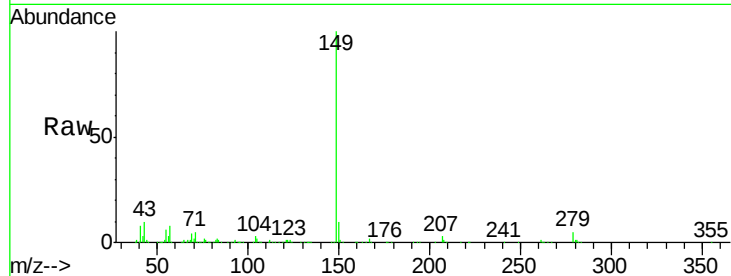
Tgt Ion:149 Resp: 362834

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

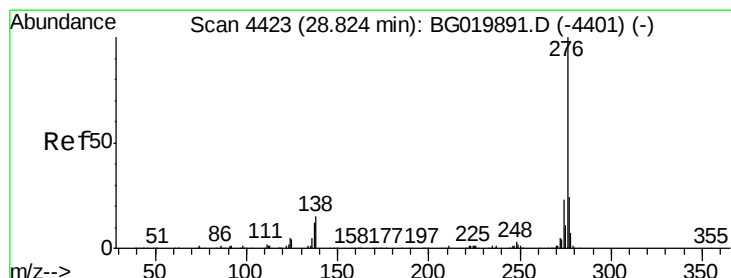
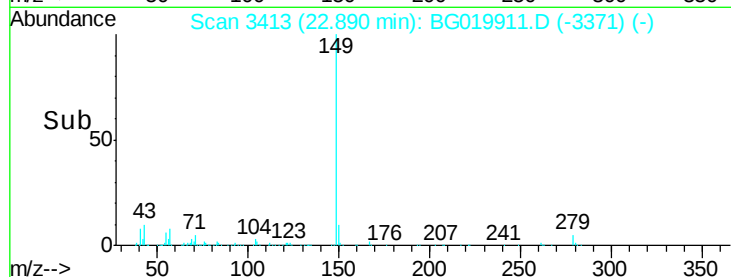
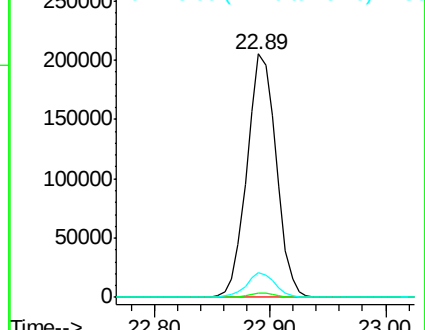
43 9.7 5.9 8.9#



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): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.76 ng

RT: 28.87 min Scan# 4431

Delta R.T. -0.02 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

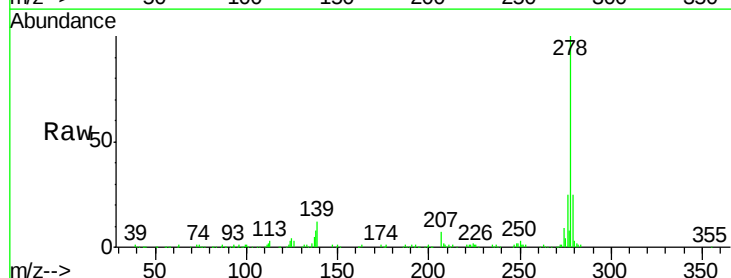
Tgt Ion:276 Resp: 101310

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

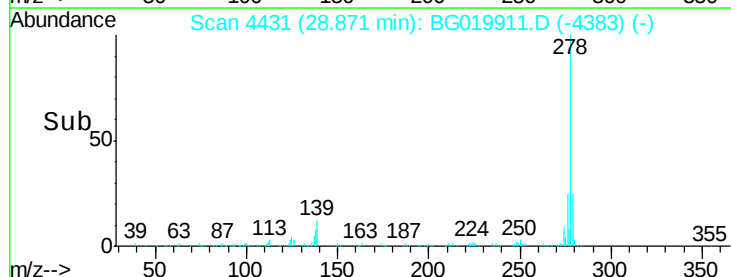
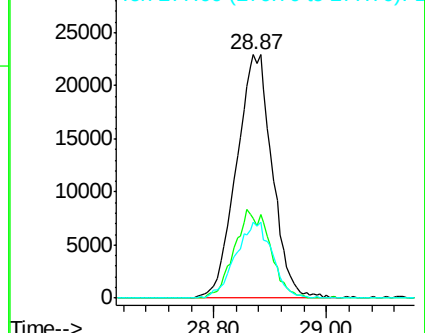
277 31.7 0.0 0.0#

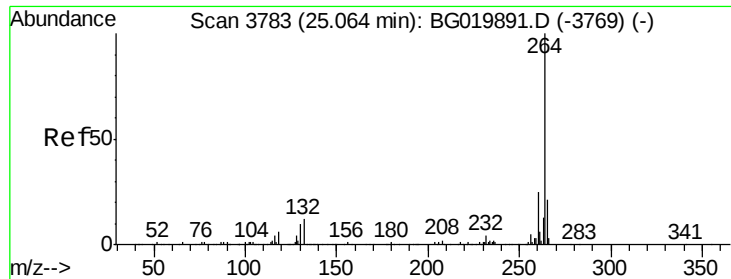


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

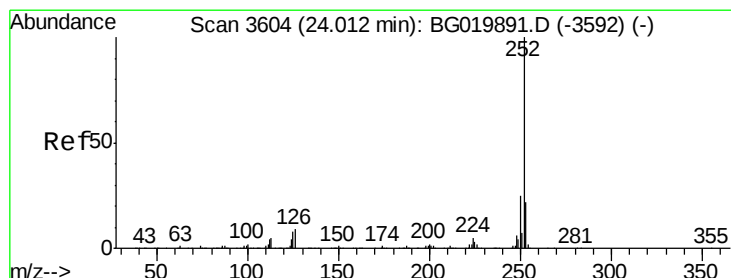
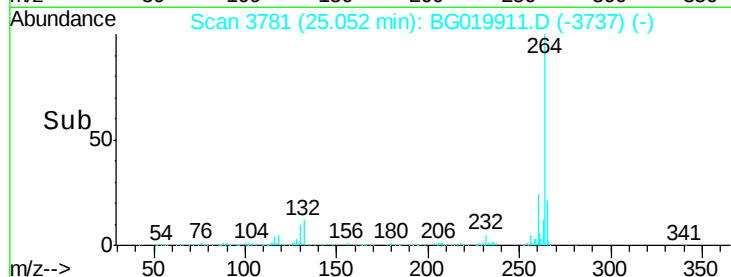
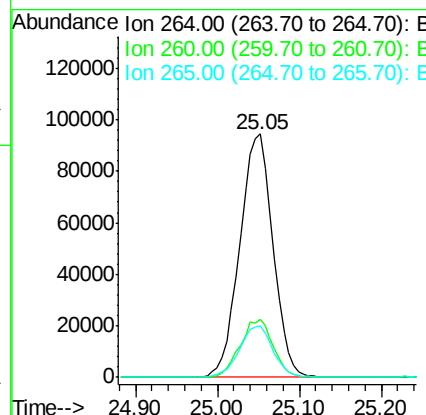
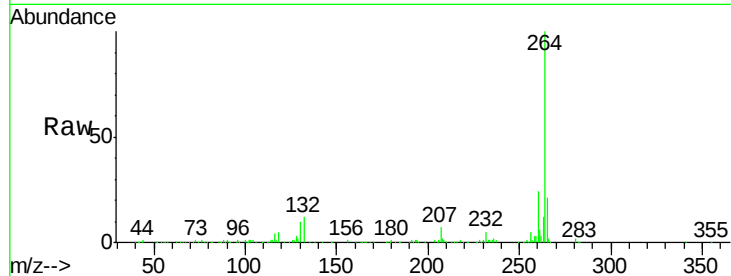




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3781
Delta R.T. -0.04 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

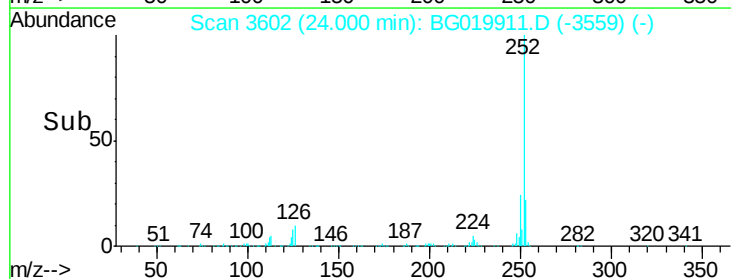
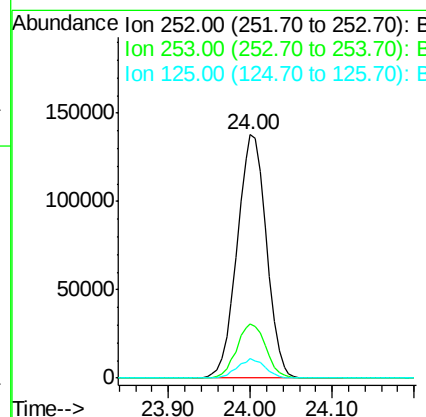
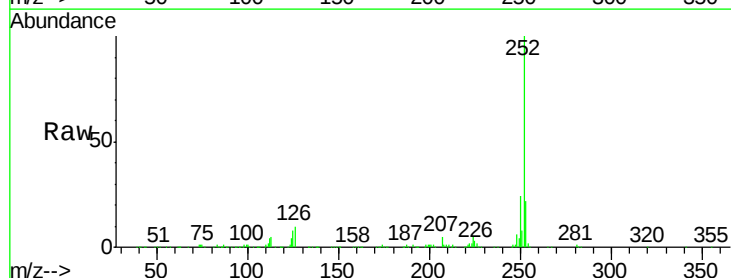
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

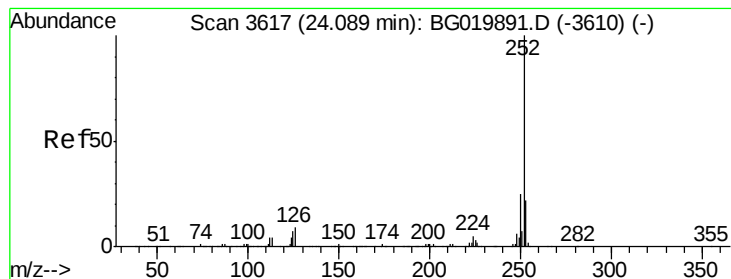
Tgt Ion:264 Resp: 266719
Ion Ratio Lower Upper
264 100
260 23.6 18.5 27.7
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 20.27 ng
RT: 24.00 min Scan# 3602
Delta R.T. -0.05 min
Lab File: BG019911.D
Acq: 4 Dec 2015 19:08

Tgt Ion:252 Resp: 342721
Ion Ratio Lower Upper
252 100
253 22.1 19.1 28.7
125 8.2 8.9 13.3#





#88

Benzo(k)fluoranthene

Concen: 20.47 ng

RT: 24.00 min Scan# 3602

Delta R.T. -0.12 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

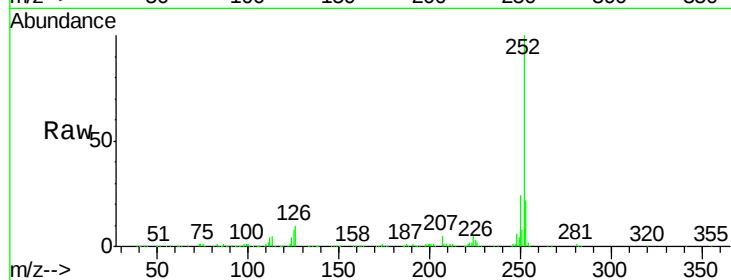
Tgt Ion:252 Resp: 342721

Ion Ratio Lower Upper

252 100

253 22.1 19.0 28.4

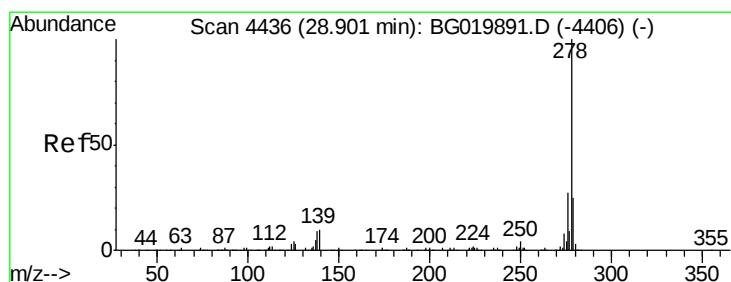
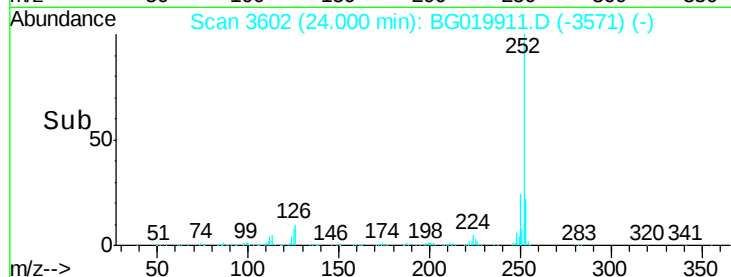
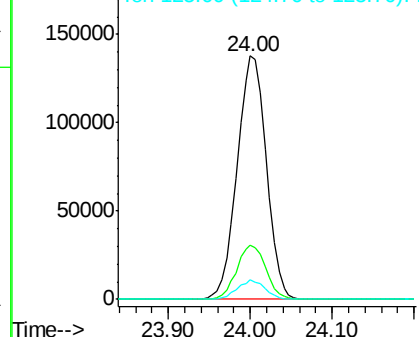
125 8.2 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 26.11 ng

RT: 28.88 min Scan# 4432

Delta R.T. -0.08 min

Lab File: BG019911.D

Acq: 4 Dec 2015 19:08

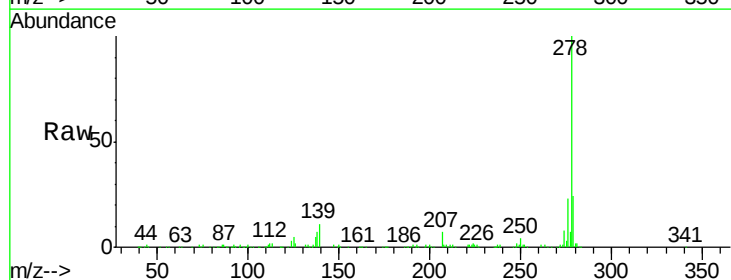
Tgt Ion:278 Resp: 414031

Ion Ratio Lower Upper

278 100

139 11.1 13.8 20.6#

279 23.8 19.4 29.0



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

