

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
 Data File : BG019910.D
 Acq On : 4 Dec 2015 18:23
 Operator : UM/NP
 Sample : G4221-15
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 04 23:50:40 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	32223	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	142019	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	101369	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	247462	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	288853	20.00	ng	-0.02
86) Perylene-d12	25.05	264	281835	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	259534	145.57	ng	0.00
7) Phenol-d6	7.26	99	398545	148.05	ng	-0.01
23) Nitrobenzene-d5	9.28	82	271399	97.53	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	204423	131.80	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	650642	87.64	ng	-0.02
78) Terphenyl-d14	20.09	244	1071084	90.45	ng	-0.02

Target Compounds				Qvalue		
8) 2-Chlorophenol	7.68	128	113869	52.38	ng	95
10) Phenol	7.29	94	220706	77.90	ng	79
12) 1,3-Dichlorobenzene	8.01	146	351070	142.47	ng	# 94
13) 1,4-Dichlorobenzene	8.15	146	134416	52.82	ng	94
17) 2-Methylphenol	8.55	107	24537	12.27	ng	# 93
18) Hexachloroethane	9.21	117	105024	110.21	ng	95
24) Nitrobenzene	9.33	77	445354	147.54	ng	91
25) Isophorone	9.86	82	1024454	171.72	ng	# 98
29) 2,4-Dichlorophenol	10.58	162	210124	84.72	ng	94
30) 1,2,4-Trichlorobenzene	10.80	180	346339	123.56	ng	94
31) Naphthalene	10.99	128	1046705	137.58	ng	97
34) Hexachlorobutadiene	11.27	225	296997	143.65	ng	99
36) 4-Chloro-3-methylphenol	12.20	107	457932	148.26	ng	94
37) 2-Methylnaphthalene	12.59	142	561782	100.76	ng	# 95
42) 2,4,6-Trichlorophenol	13.18	196	180028	70.69	ng	98
43) 2,4,5-Trichlorophenol	13.25	196	277268	103.01	ng	96
48) Acenaphthylene	14.47	152	952148	87.17	ng	98
49) Dimethylphthalate	14.21	163	1382742	151.64	ng	# 99
51) Acenaphthene	14.81	154	361878	54.60	ng	99
54) Dibenzofuran	15.15	168	1582087	160.46	ng	# 84
55) 4-Nitrophenol	14.95	139	190432	122.76	ng	# 67
57) Fluorene	15.80	166	1024640	116.11	ng	98
59) Diethylphthalate	15.56	149	1200563	121.65	ng	98
66) 4-Bromophenyl-phenylether	16.68	248	264908	86.15	ng	96
70) Phenanthrene	17.53	178	1133600	80.97	ng	100
72) Carbazole	17.89	167	287621	22.89	ng	97
73) Di-n-butylphthalate	18.44	149	630091	40.92	ng	98
74) Fluoranthene	19.54	202	1374462	76.75	ng	95
80) Benzo(a)anthracene	21.75	228	1528536	86.45	ng	96
82) Chrysene	21.82	228	1378274	82.10	ng	97
83) Bis(2-ethylhexyl)phthalate	21.66	149	968395	99.07	ng	# 99
84) Di-n-octyl phthalate	22.90	149	1534216	96.54	ng	# 92
87) Benzo(b)fluoranthene	24.02	252	1513508	84.73	ng	# 97
90) Dibenzo(a,h)anthracene	28.92	278	1916737	114.40	ng	# 94

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

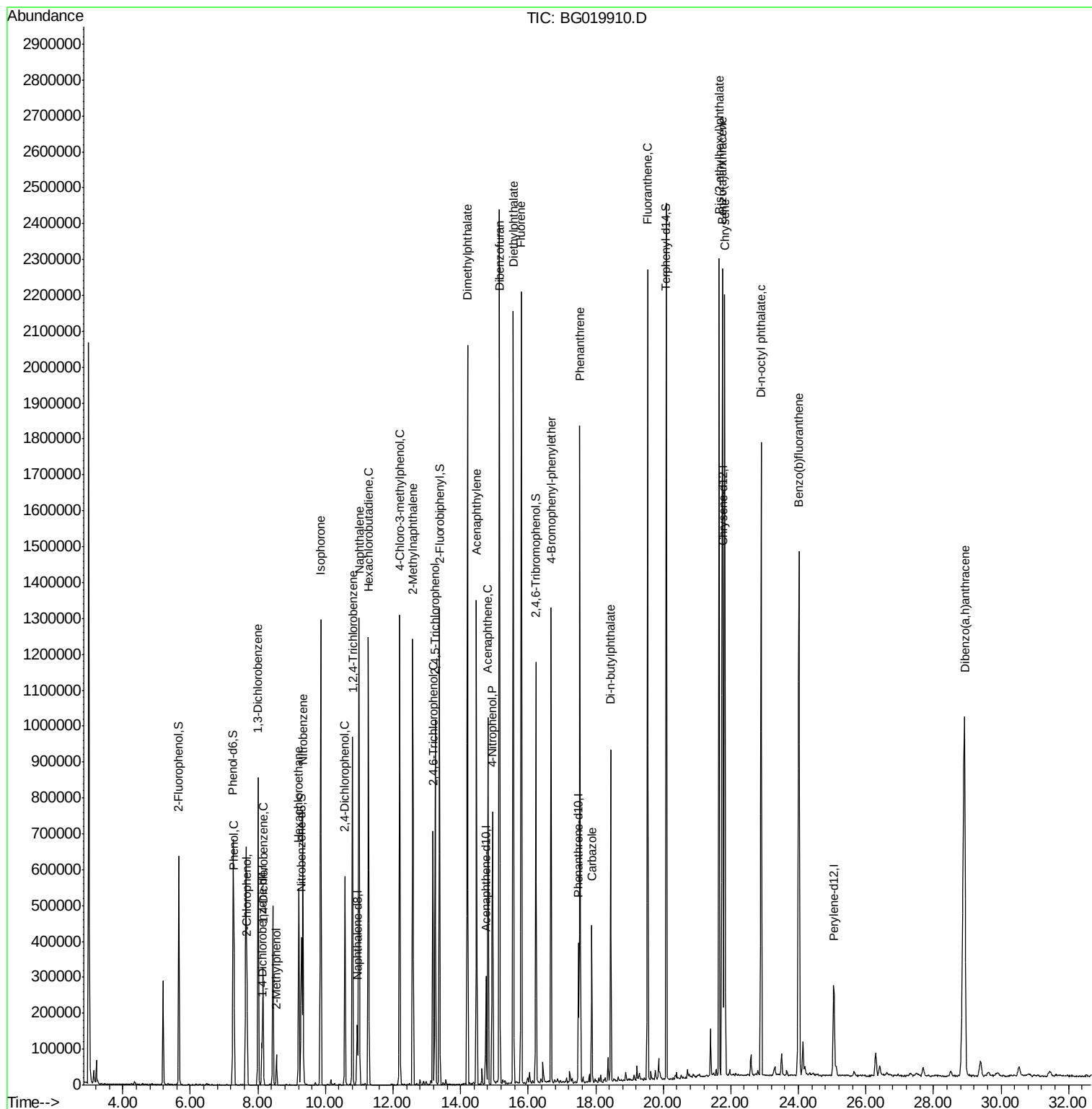
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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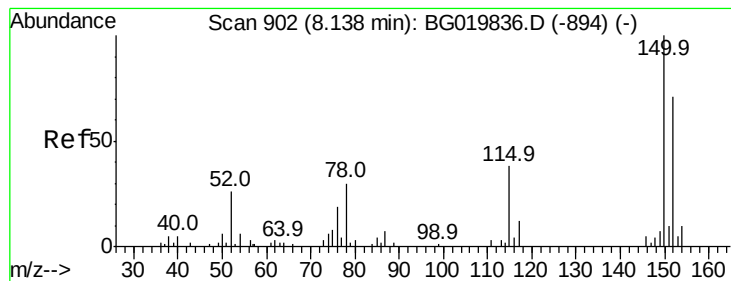
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019910.D
Acq On : 4 Dec 2015 18:23
Operator : UM/NP
Sample : G4221-15
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

Quant Time: Dec 04 23:50:40 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

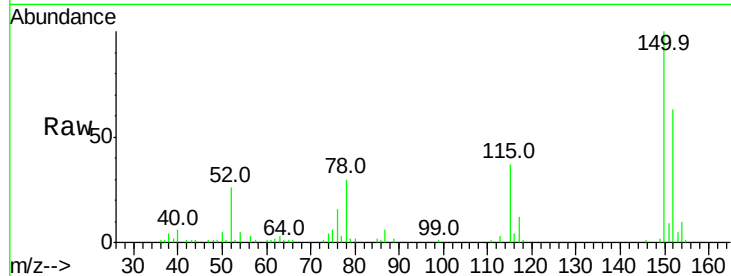
Tot Ion:152 Resp: 32223

Ion Ratio Lower Upper

152 100

150 157.9 115.0 172.4

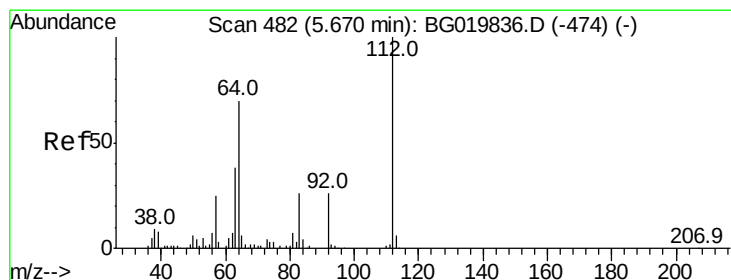
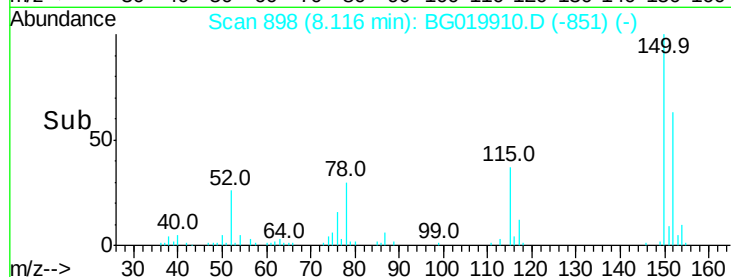
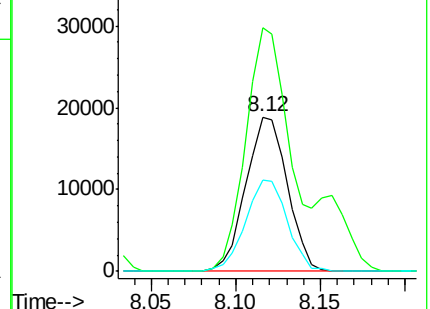
115 59.2 43.9 65.9



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: 145.57 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

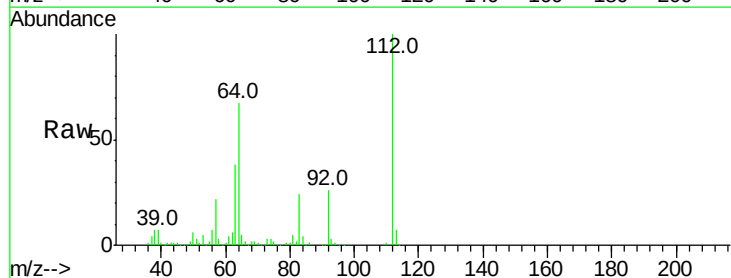
Tgt Ion:112 Resp: 259534

Ion Ratio Lower Upper

112 100

64 66.8 43.7 65.5#

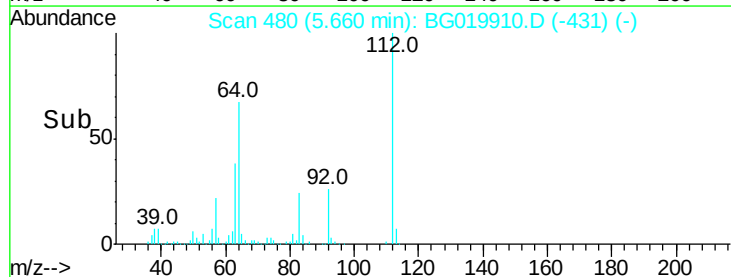
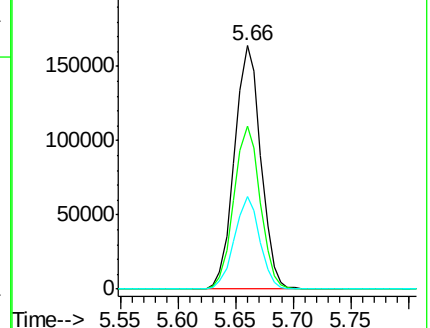
63 37.8 24.0 36.0#

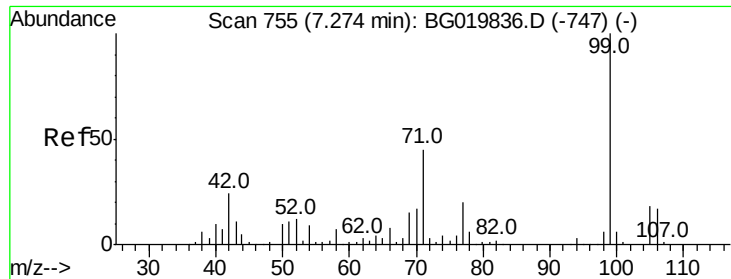


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 148.05 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

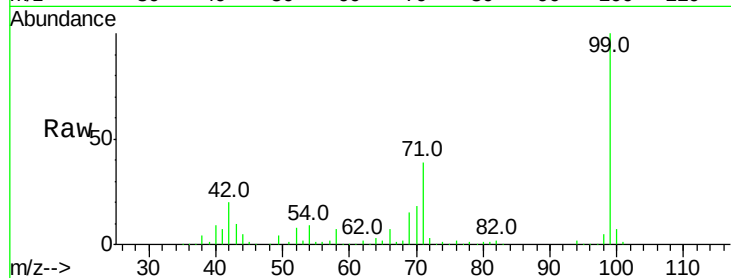
Tot Ion: 99 Resp: 398545

Ion Ratio Lower Upper

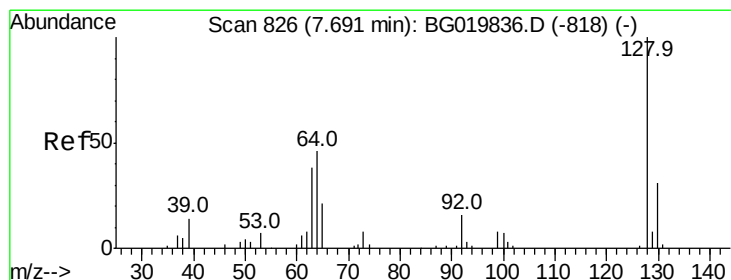
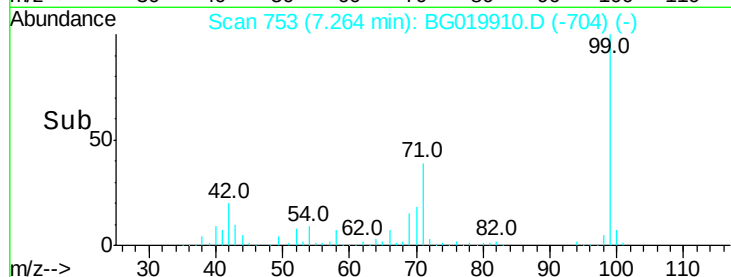
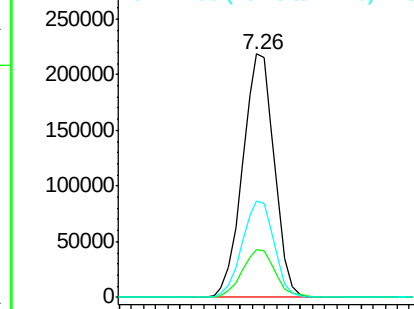
99 100

42 19.9 11.5 17.3#

71 39.5 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: 52.38 ng

RT: 7.68 min Scan# 824

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

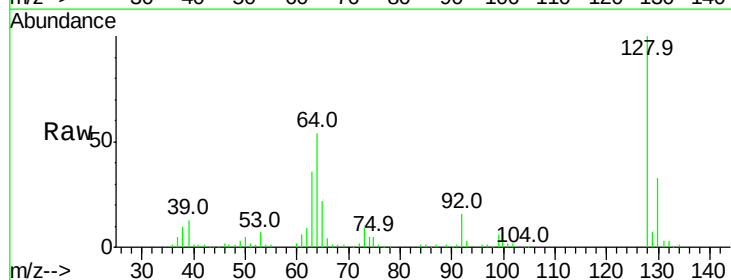
Tgt Ion:128 Resp: 113869

Ion Ratio Lower Upper

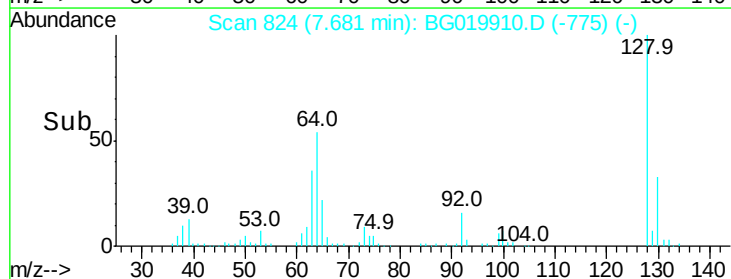
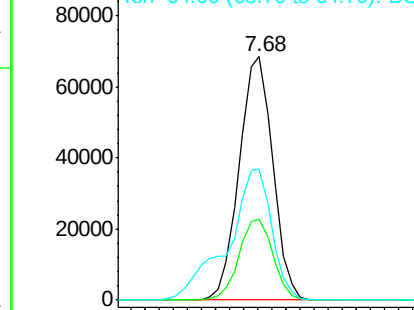
128 100

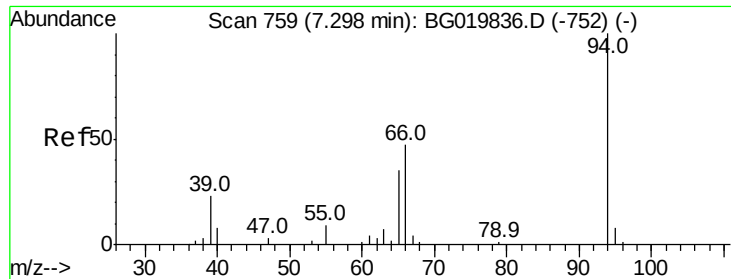
130 33.3 13.0 53.0

64 54.0 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: 77.90 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.00 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

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PT-BNA-SOIL

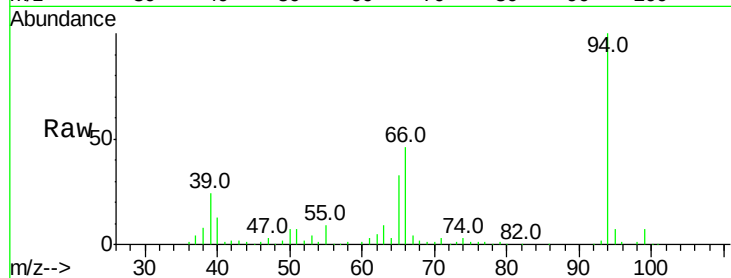
Tot Ion: 94 Resp: 220706

Ion Ratio Lower Upper

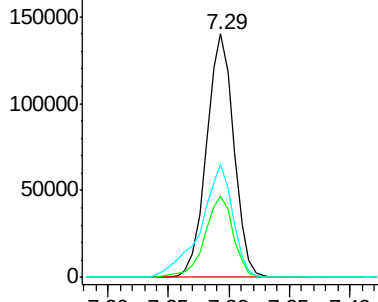
94 100

65 33.3 5.4 45.4

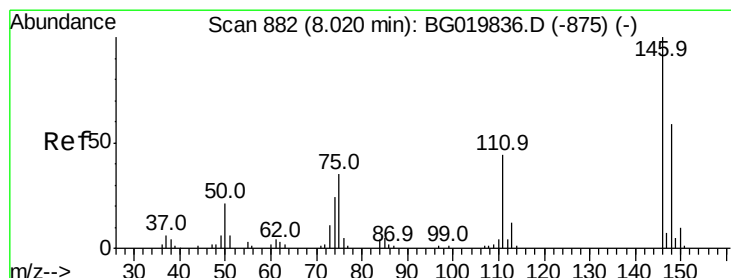
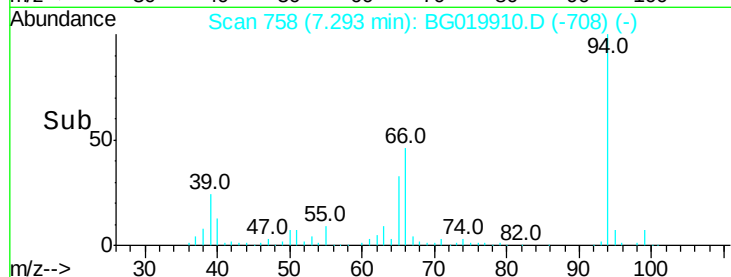
66 46.2 11.8 51.8



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



Time-->



#12

1,3-Dichlorobenzene

Concen: 142.47 ng

RT: 8.01 min Scan# 880

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

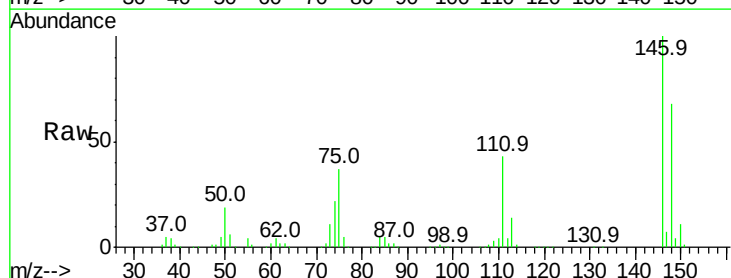
Tgt Ion:146 Resp: 351070

Ion Ratio Lower Upper

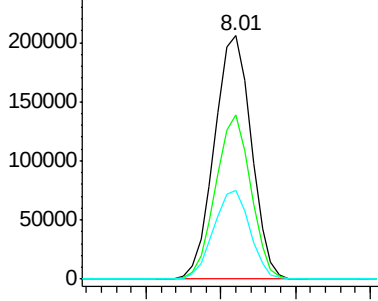
146 100

148 67.5 53.4 80.0

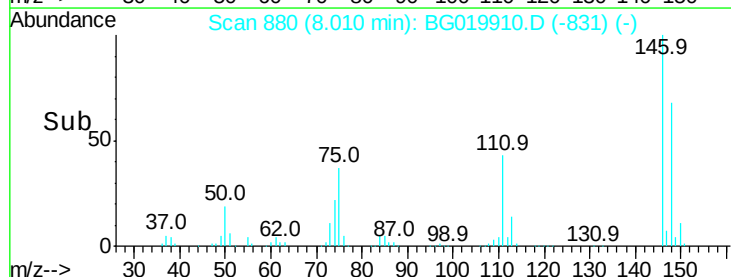
75 36.6 21.1 31.7#

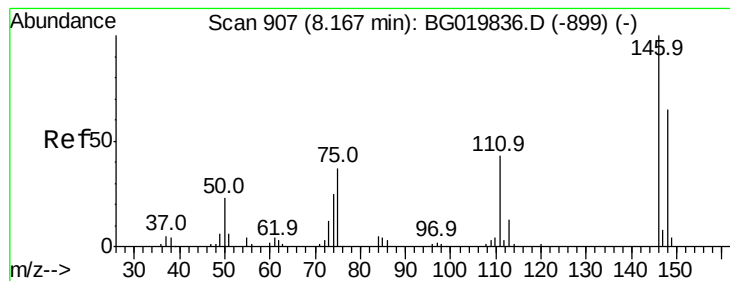


Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC



Time-->

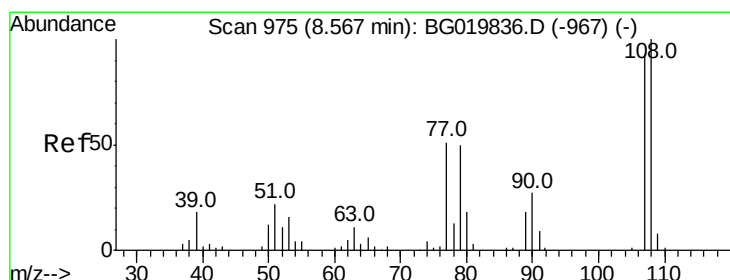
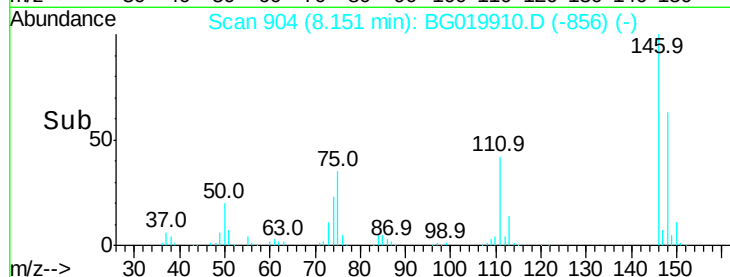
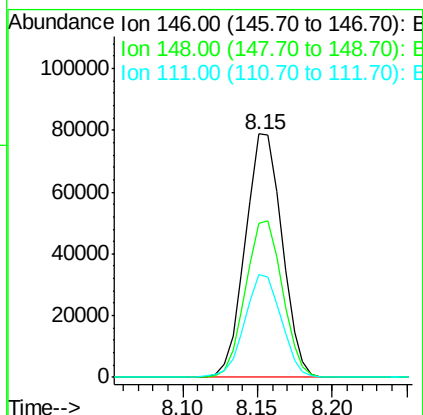
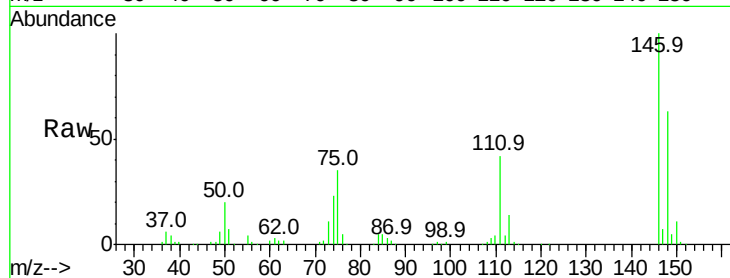




#13
 1,4-Dichlorobenzene
 Concen: 52.82 ng
 RT: 8.15 min Scan# 904
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

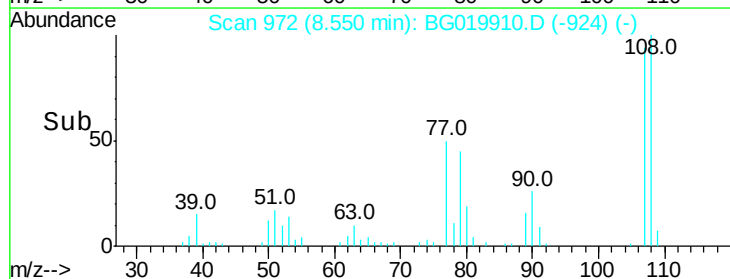
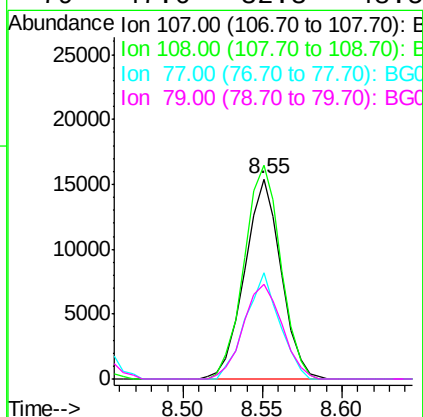
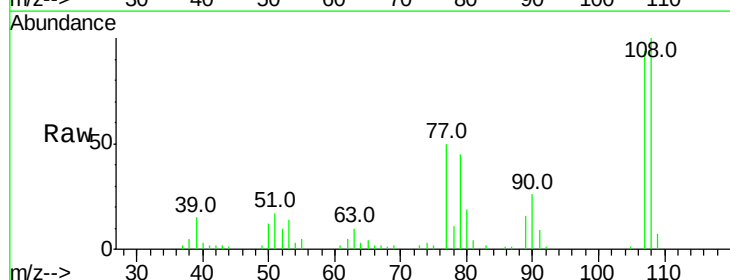
Instrument :
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 ClientSampleId :
 PT-BNA-SOIL

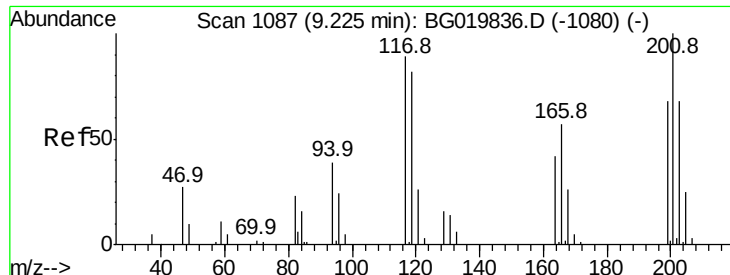
Tot Ion:146 Resp: 134416
 Ion Ratio Lower Upper
 146 100
 148 63.2 52.5 78.7
 111 42.4 28.3 42.5



#17
 2-Methylphenol
 Concen: 12.27 ng
 RT: 8.55 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

Tgt Ion:107 Resp: 24537
 Ion Ratio Lower Upper
 107 100
 108 106.8 86.5 129.7
 77 53.1 34.6 51.8#
 79 47.6 32.3 48.5

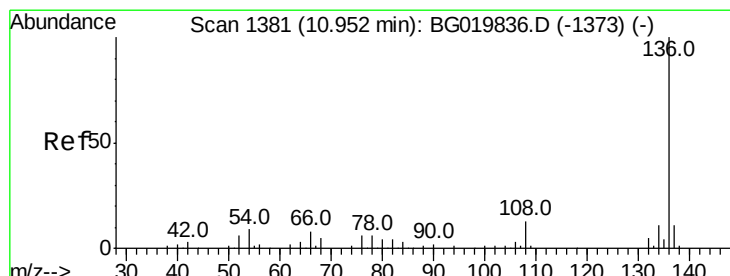
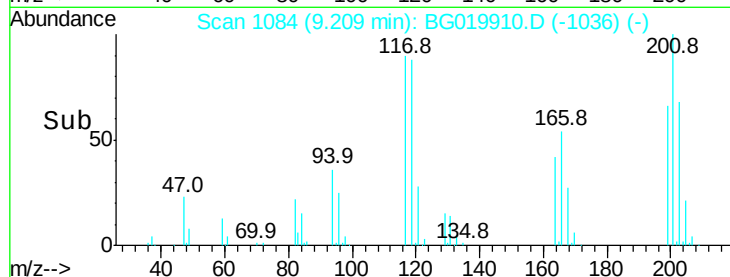
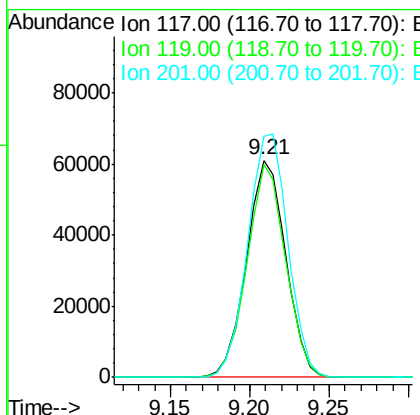
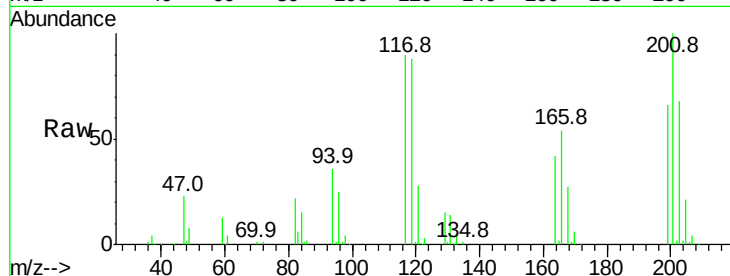




#18
Hexachloroethane
Concen: 110.21 ng
RT: 9.21 min Scan# 1084
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

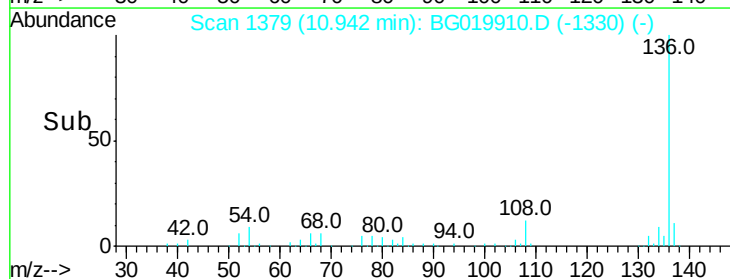
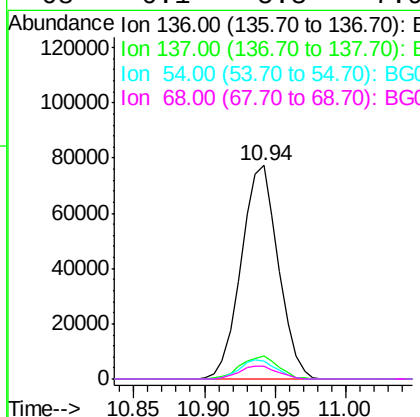
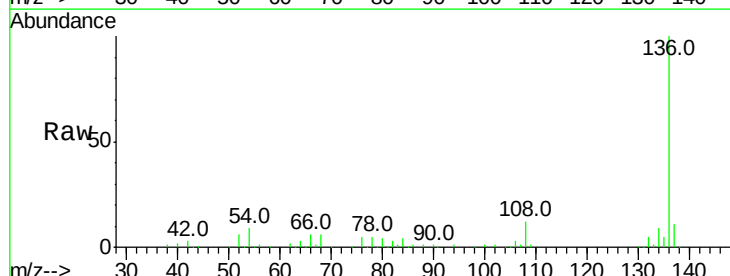
Instrument :
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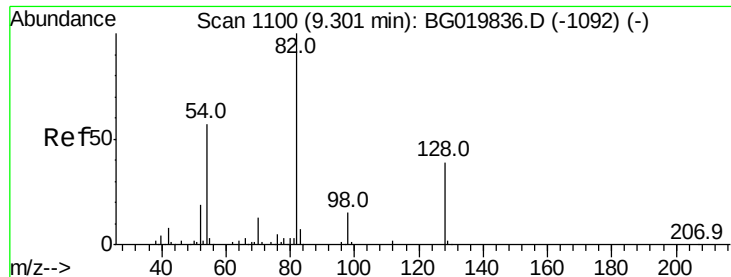
Tot Ion:117 Resp: 105024
Ion Ratio Lower Upper
117 100
119 97.9 71.7 107.5
201 111.0 90.9 136.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:136 Resp: 142019
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 8.6 5.4 8.2#
68 6.1 5.3 7.9

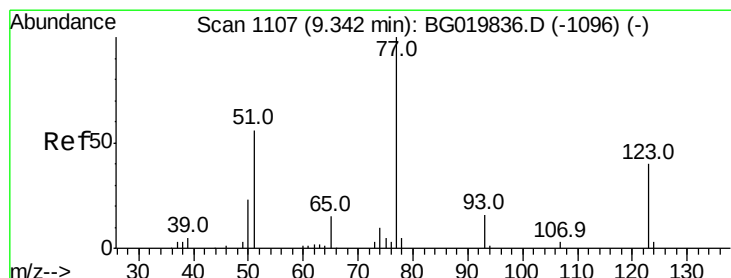
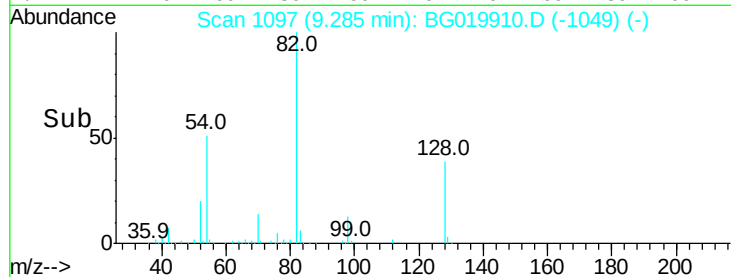
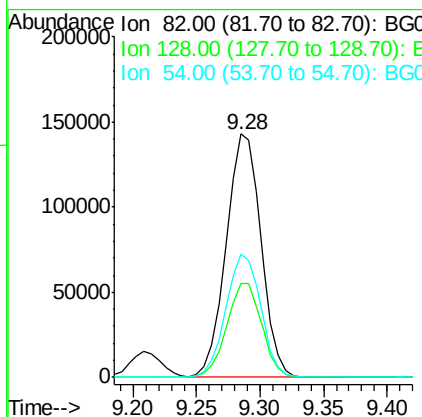
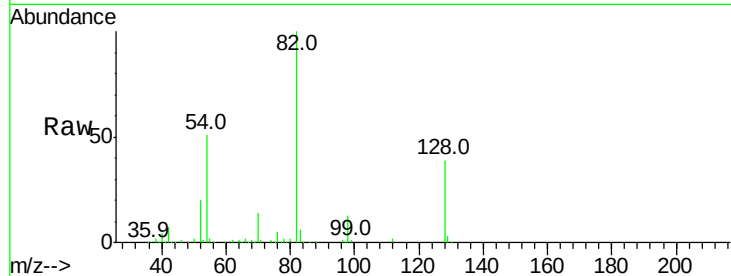




#23
Nitrobenzene-d5
Concen: 97.53 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

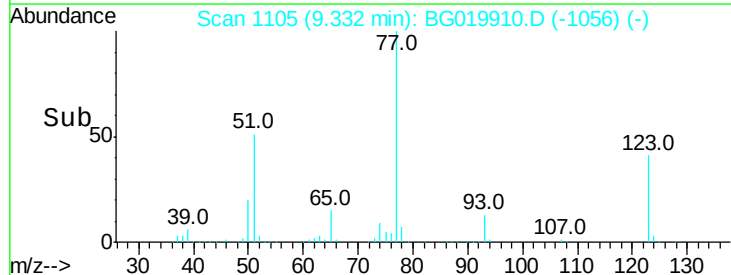
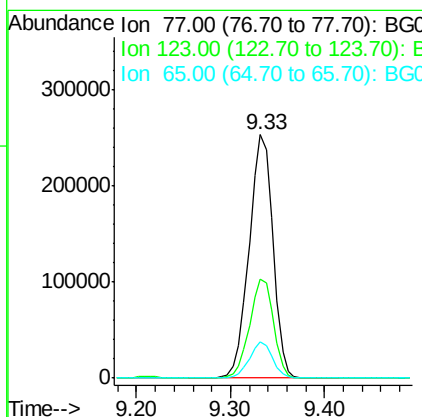
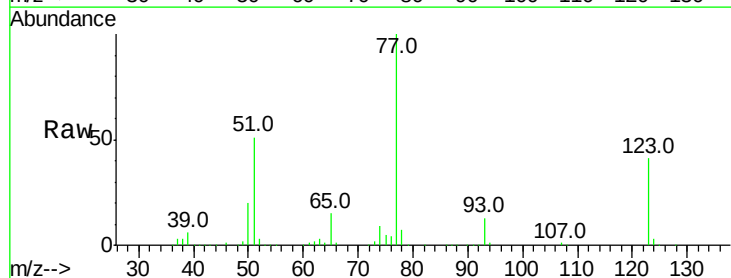
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

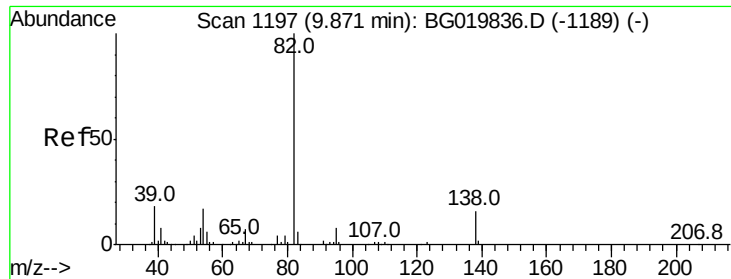
Tot Ion: 82 Resp: 271399
Ion Ratio Lower Upper
82 100
128 38.7 36.7 55.1
54 50.8 33.8 50.8#



#24
Nitrobenzene
Concen: 147.54 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion: 77 Resp: 445354
Ion Ratio Lower Upper
77 100
123 40.9 38.2 57.2
65 14.8 10.6 16.0





#25

Isophorone

Concen: 171.72 ng

RT: 9.86 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

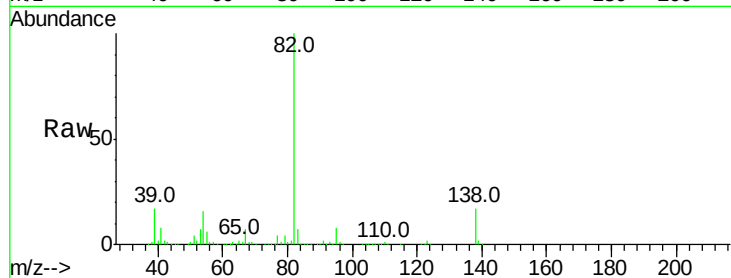
BNA_G

ClientSampleId :

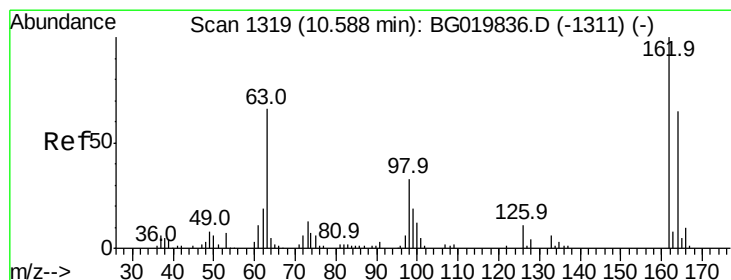
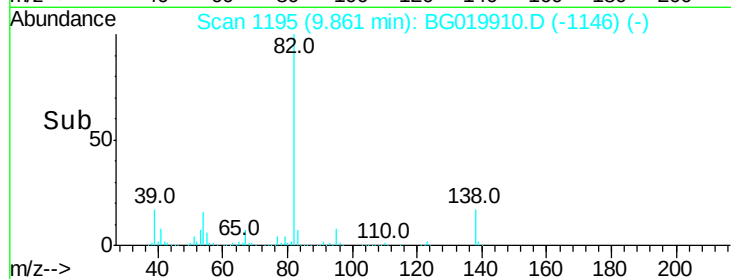
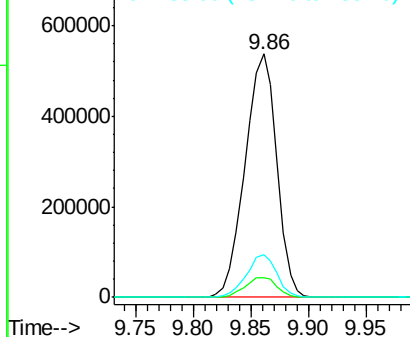
PT-BNA-SOIL

Tot Ion: 82 Resp: 1024454

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.2	7.8#
138	17.4	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



#29

2,4-Dichlorophenol

Concen: 84.72 ng

RT: 10.58 min Scan# 1317

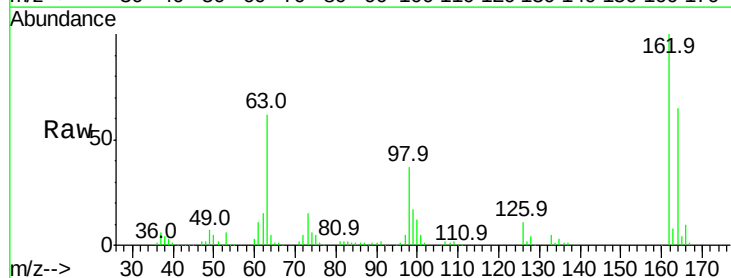
Delta R.T. -0.01 min

Lab File: BG019910.D

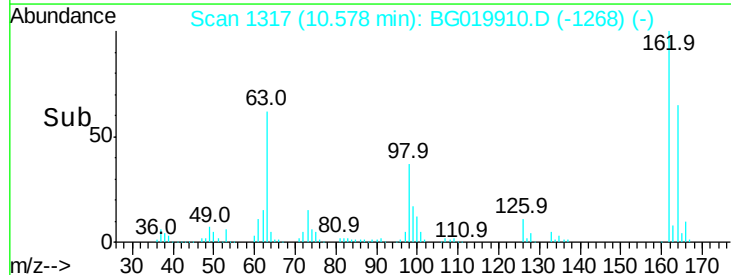
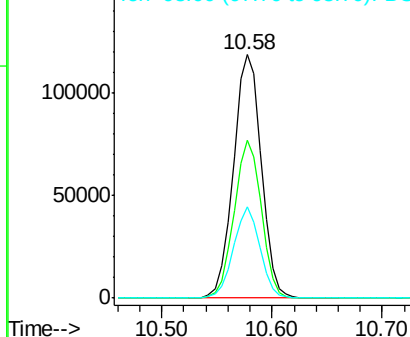
Acq: 4 Dec 2015 18:23

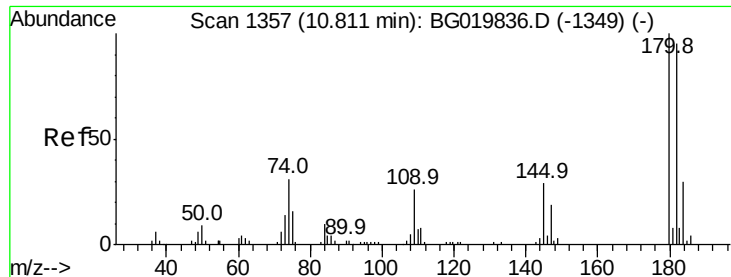
Tgt Ion:162 Resp: 210124

Ion	Ratio	Lower	Upper
162	100		
164	64.8	42.3	82.3
98	37.3	11.5	51.5



Abundance Ion 162.00 (161.70 to 162.70): BGC
Ion 164.00 (163.70 to 164.70): BGC
Ion 98.00 (97.70 to 98.70): BGC

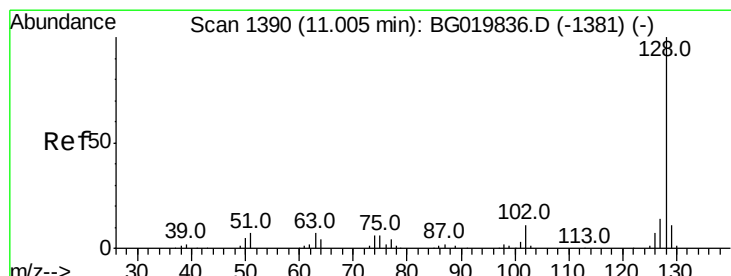
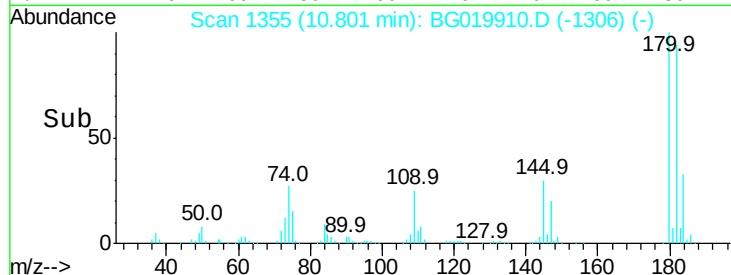
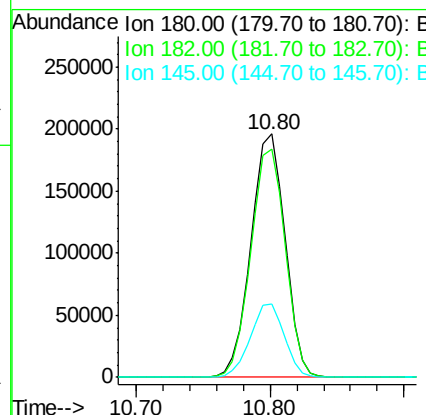
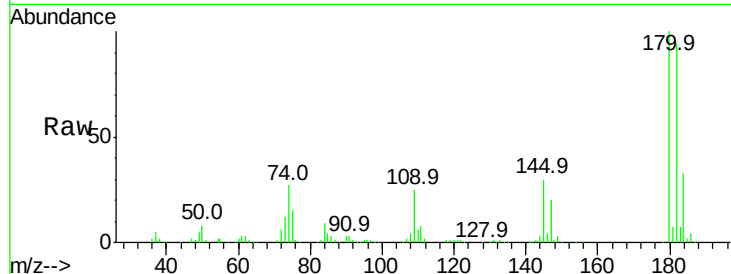




#30
1,2,4-Trichlorobenzene
Concen: 123.56 ng
RT: 10.80 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

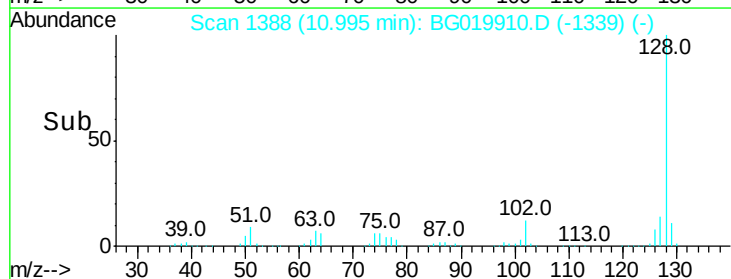
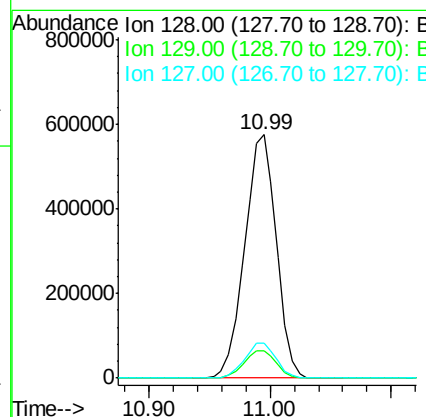
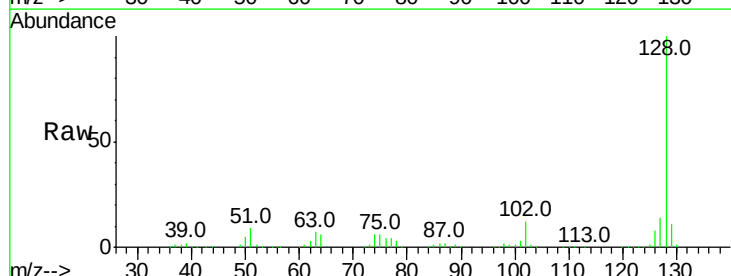
Instrument :
BNA_G
ClientSampled :
PT-BNA-SOIL

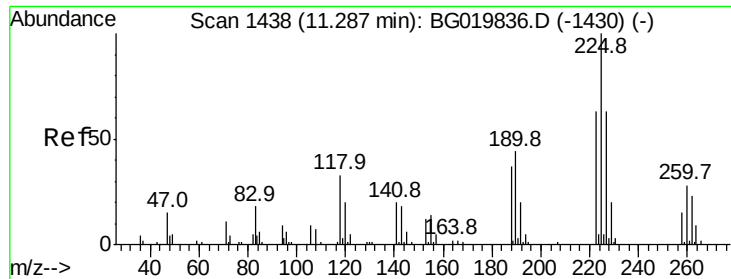
Tot Ion:180 Resp: 346339
Ion Ratio Lower Upper
180 100
182 94.0 79.7 119.5
145 30.2 22.0 33.0



#31
Naphthalene
Concen: 137.58 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:128 Resp: 1046705
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 14.4 10.6 16.0





#34

Hexachlorobutadiene

Concen: 143.65 ng

RT: 11.27 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

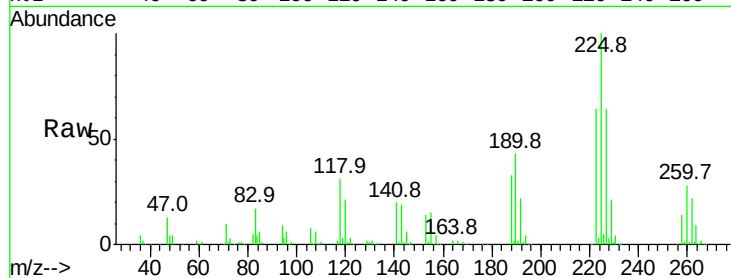
Tot Ion:225 Resp: 296997

Ion Ratio Lower Upper

225 100

223 63.6 51.0 76.4

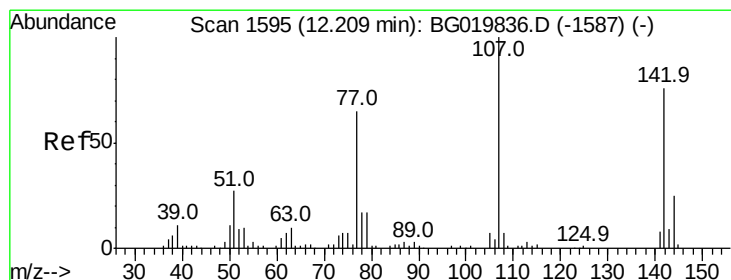
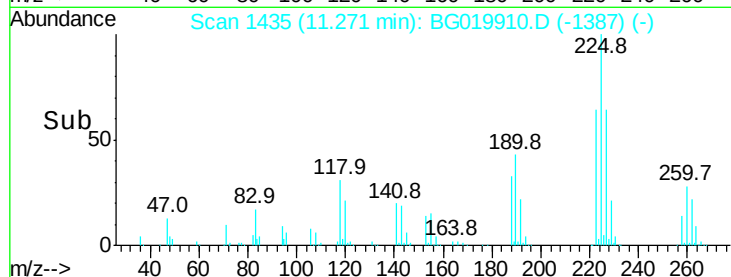
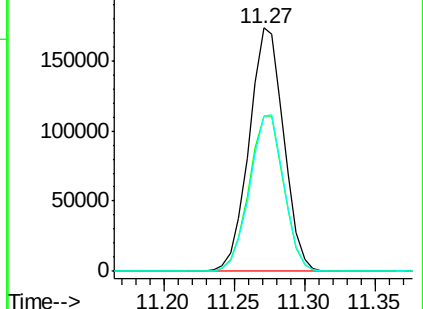
227 63.5 51.8 77.8



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: 148.26 ng

RT: 12.20 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

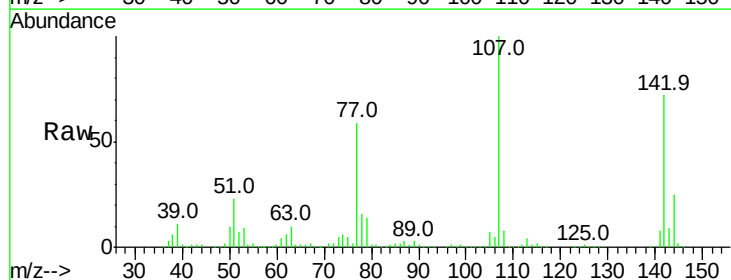
Tgt Ion:107 Resp: 457932

Ion Ratio Lower Upper

107 100

144 24.7 20.6 31.0

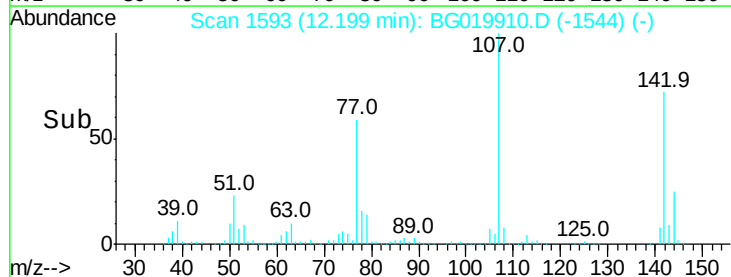
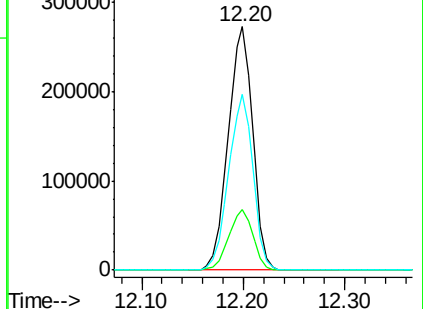
142 72.3 62.6 93.8

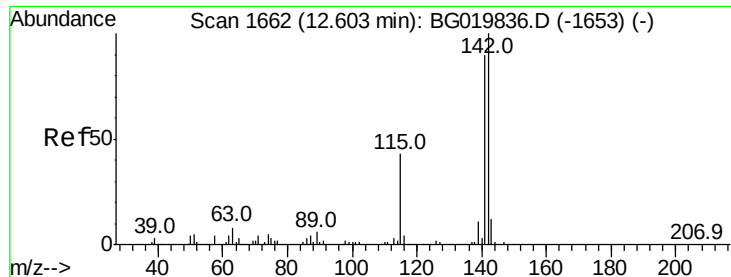


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

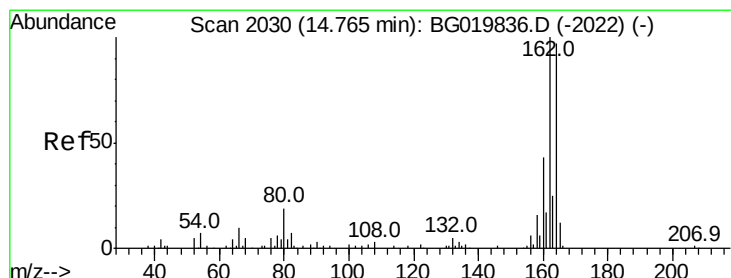
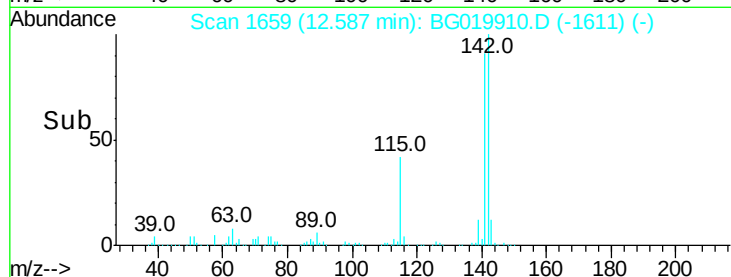
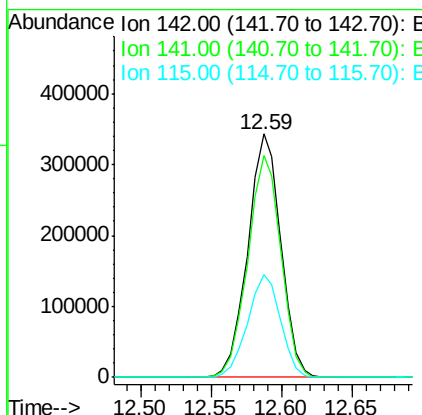
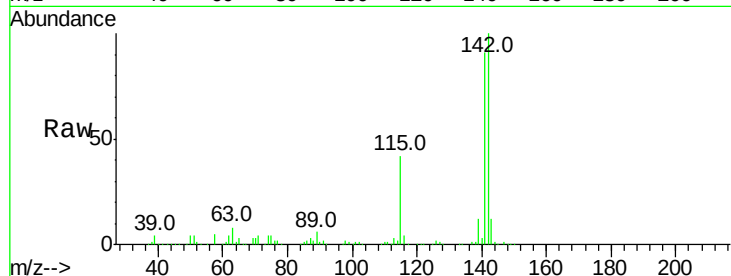




#37
2-Methylnaphthalene
Concen: 100.76 ng
RT: 12.59 min Scan# 1659
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

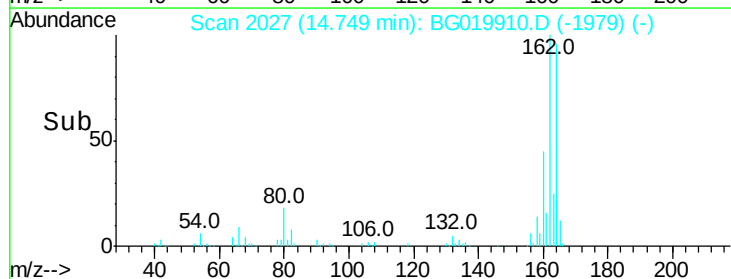
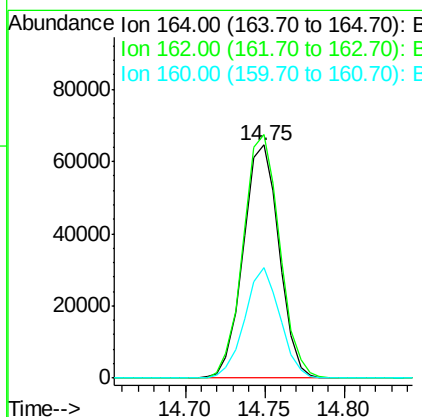
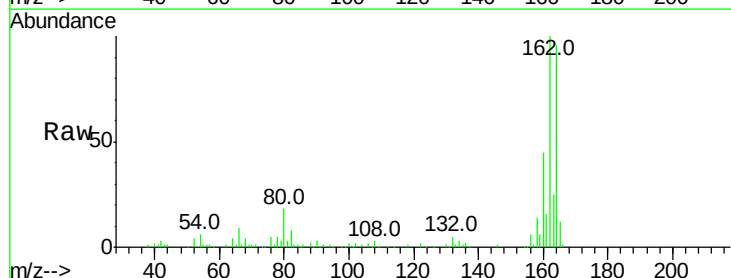
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

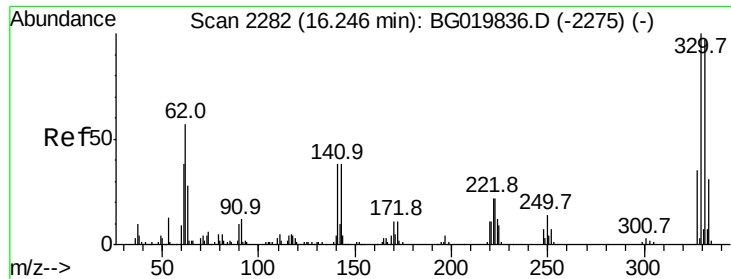
Tot Ion:142 Resp: 561782
Ion Ratio Lower Upper
142 100
141 91.3 74.6 112.0
115 42.3 27.4 41.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:164 Resp: 101369
Ion Ratio Lower Upper
164 100
162 104.4 78.8 118.2
160 47.2 36.4 54.6





#41

2,4,6-Tribromophenol

Concen: 131.80 ng

RT: 16.23 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

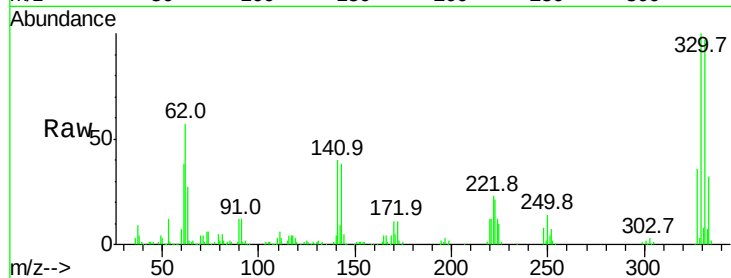
Tot Ion:330 Resp: 204423

Ion Ratio Lower Upper

330 100

332 97.0 78.1 117.1

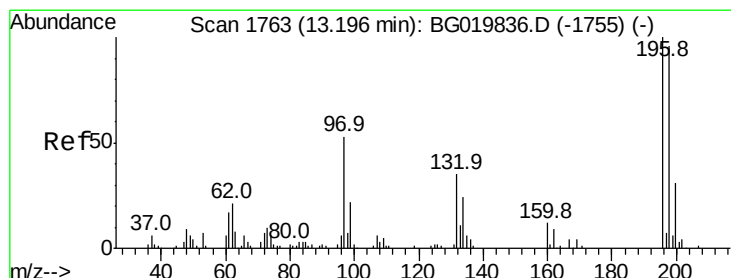
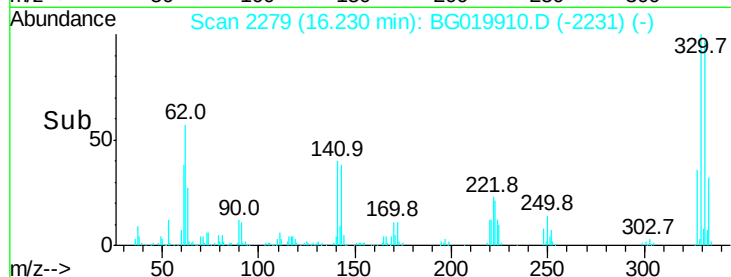
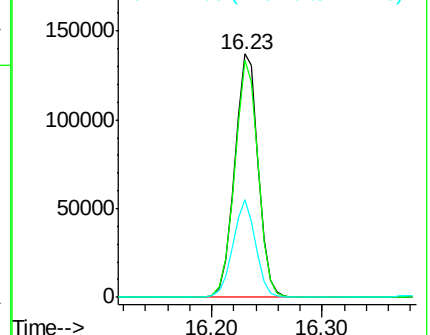
141 38.5 28.2 42.2



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: 70.69 ng

RT: 13.18 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

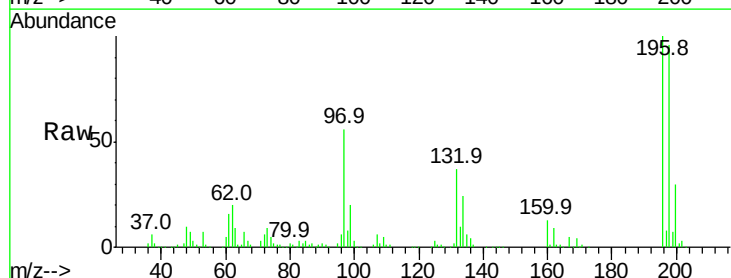
Tgt Ion:196 Resp: 180028

Ion Ratio Lower Upper

196 100

198 96.4 74.7 112.1

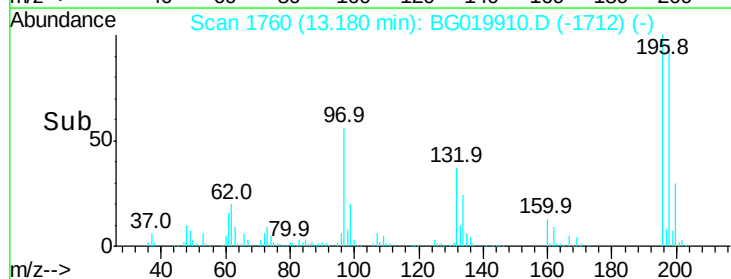
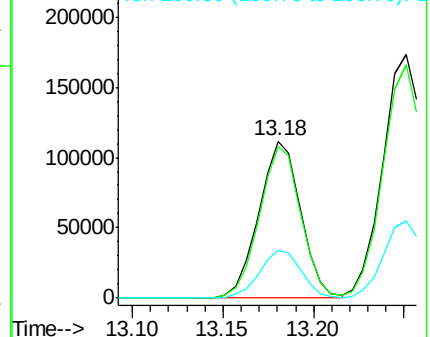
200 30.3 24.1 36.1

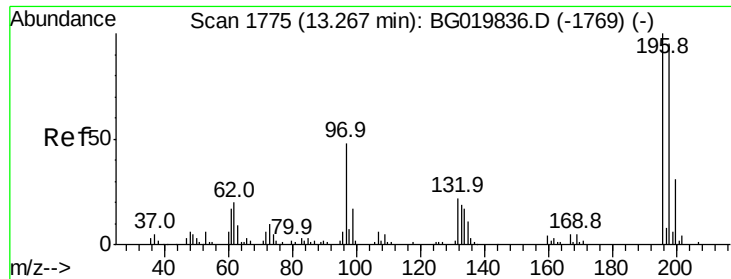


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

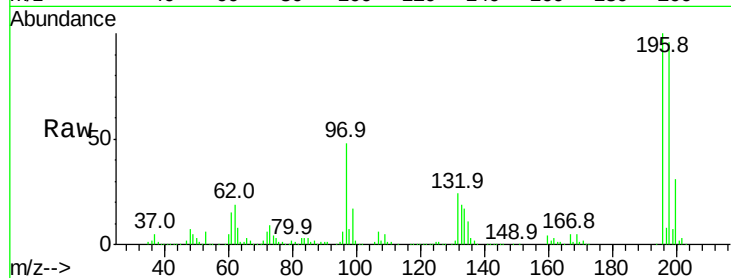




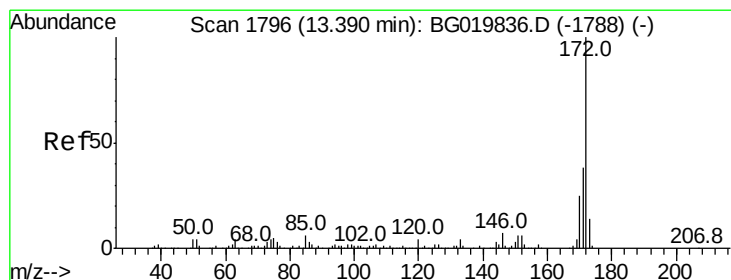
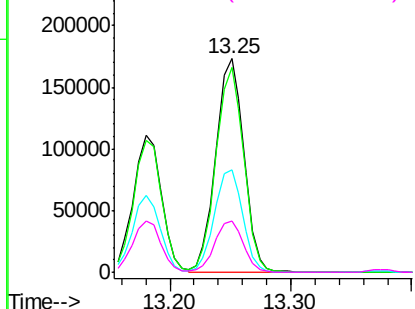
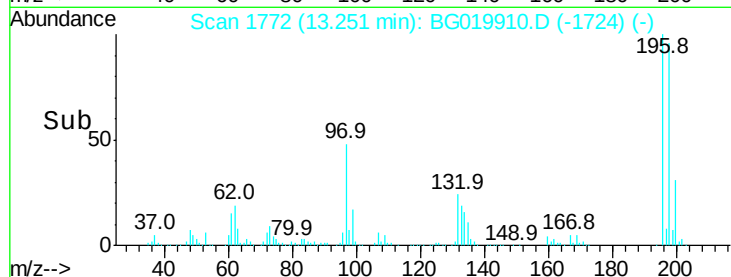
#43
 2,4,5-Trichlorophenol
 Concen: 103.01 ng
 RT: 13.25 min Scan# 1772
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:196 Resp: 277268
 Ion Ratio Lower Upper
 196 100
 198 95.8 75.2 112.8
 97 48.2 34.2 51.2
 132 24.2 21.8 32.6

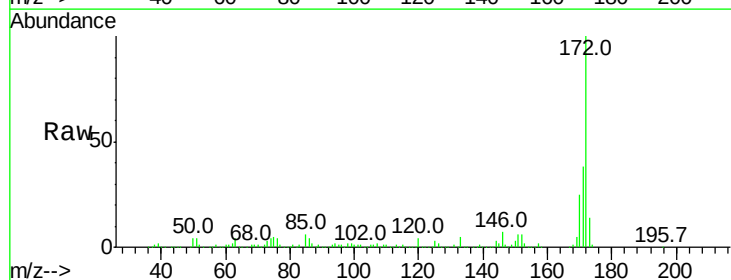


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

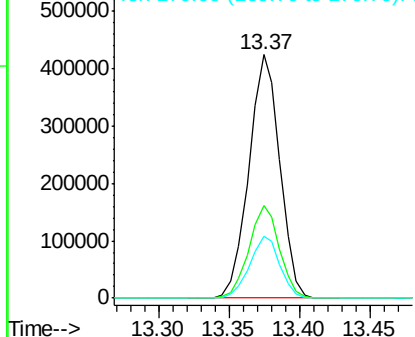
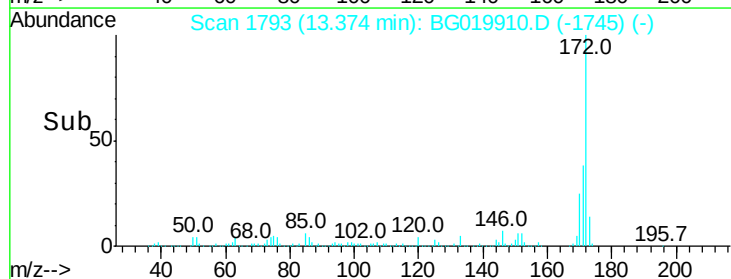


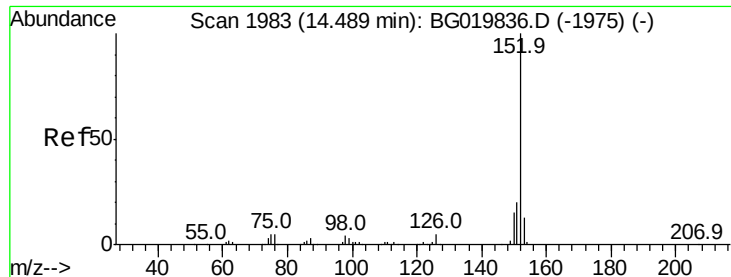
#44
 2-Fluorobiphenyl
 Concen: 87.64 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

Tgt Ion:172 Resp: 650642
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.0 43.6
 170 25.3 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: 87.17 ng

RT: 14.47 min Scan# 1980

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

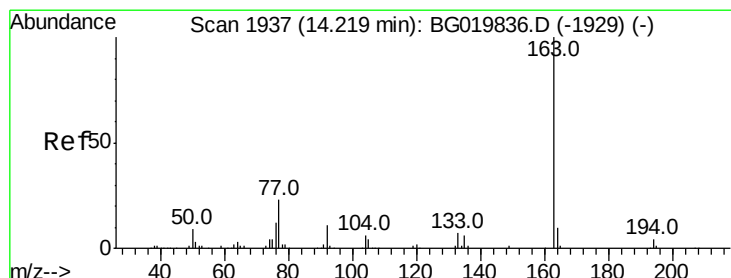
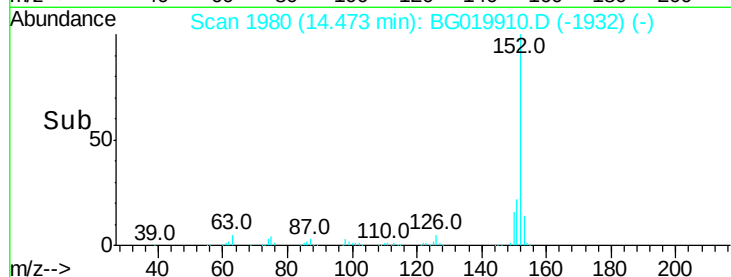
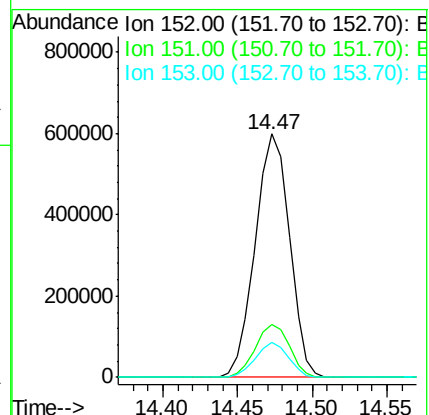
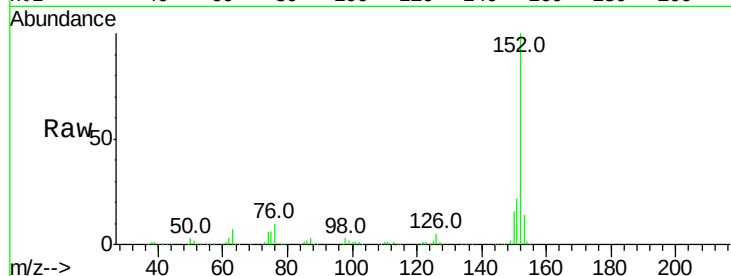
Tot Ion:152 Resp: 952148

Ion Ratio Lower Upper

152 100

151 21.9 17.0 25.4

153 14.2 10.4 15.6



#49

Dimethylphthalate

Concen: 151.64 ng

RT: 14.21 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

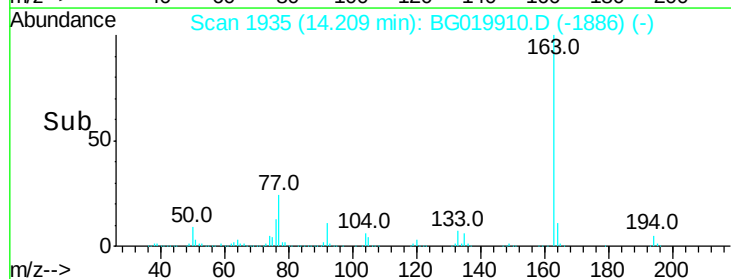
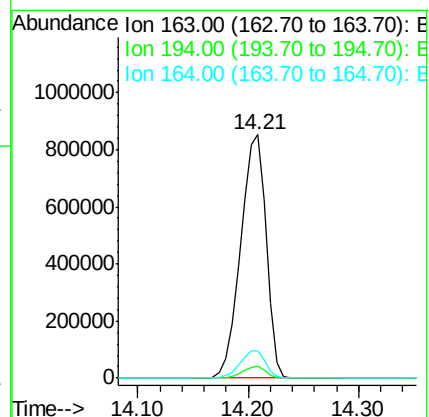
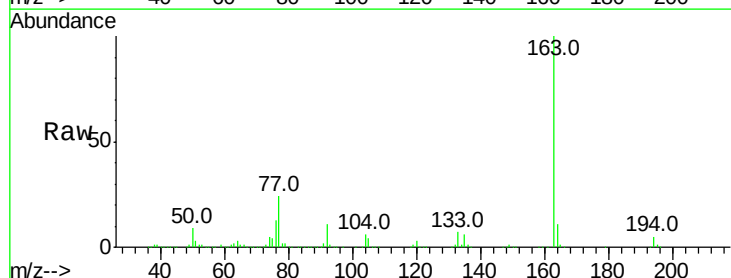
Tgt Ion:163 Resp: 1382742

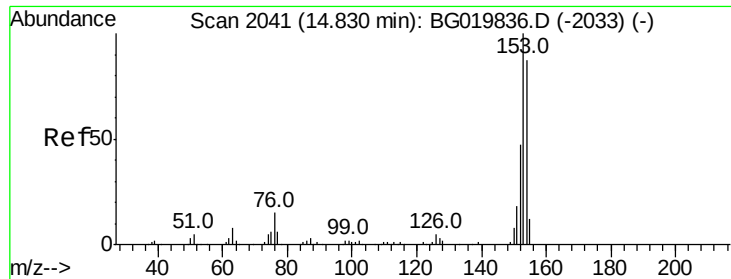
Ion Ratio Lower Upper

163 100

194 5.0 3.1 4.7#

164 11.3 8.8 13.2





#51

Acenaphthene

Concen: 54.60 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

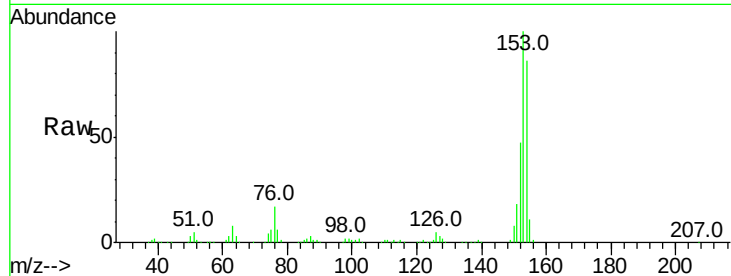
Tot Ion:154 Resp: 361878

Ion Ratio Lower Upper

154 100

153 116.8 92.9 139.3

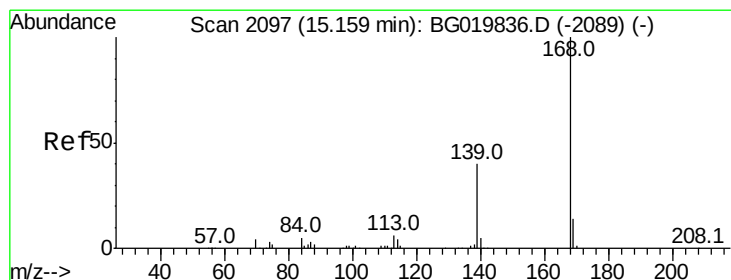
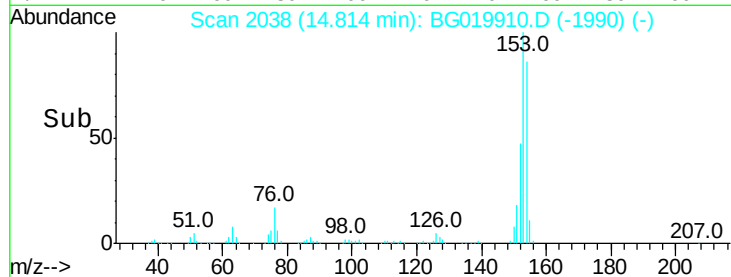
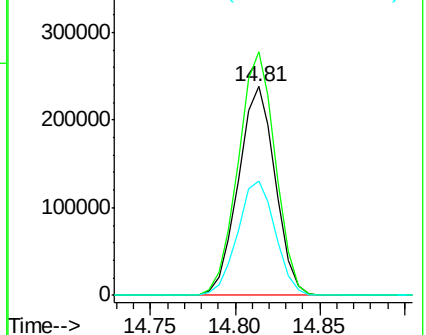
152 55.1 45.8 68.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 160.46 ng

RT: 15.15 min Scan# 2095

Delta R.T. -0.01 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

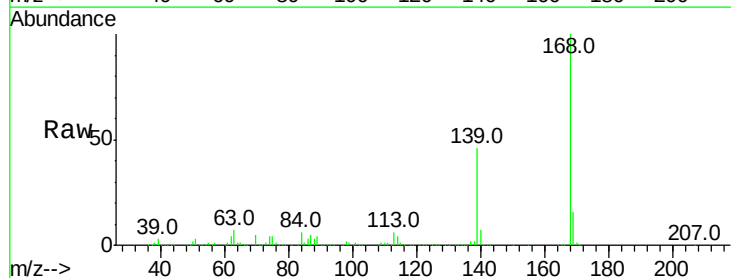
Tgt Ion:168 Resp: 1582087

Ion Ratio Lower Upper

168 100

139 45.5 27.4 41.0#

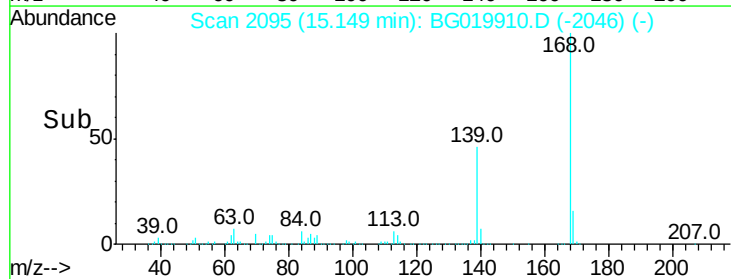
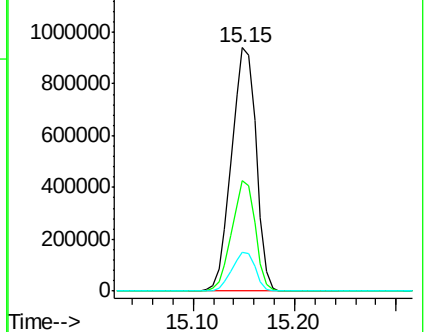
169 16.0 11.0 16.4

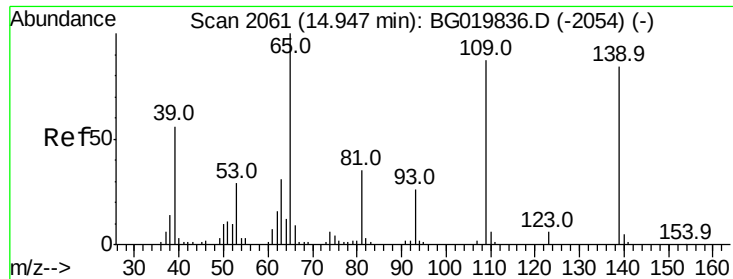


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

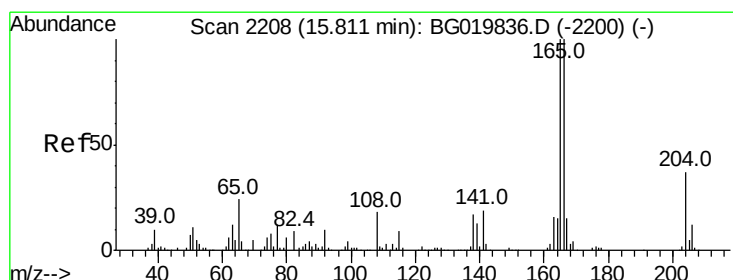
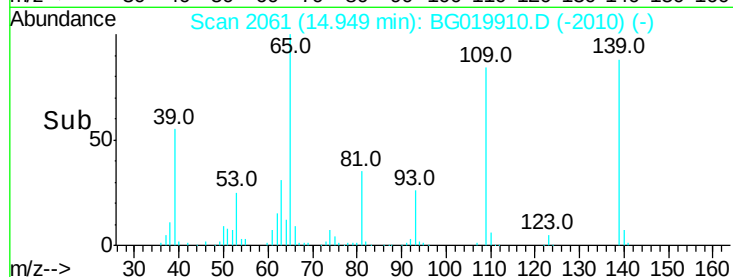
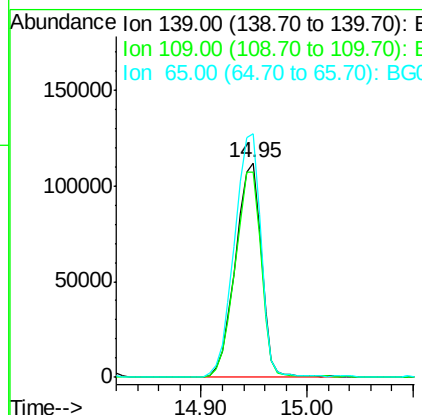
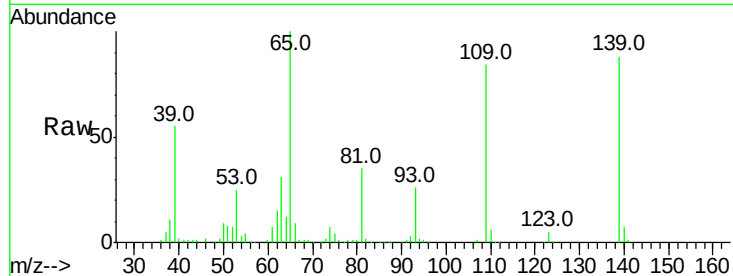




#55
4-Nitrophenol
Concen: 122.76 ng
RT: 14.95 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

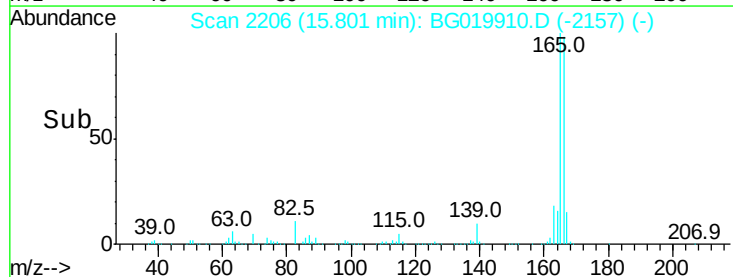
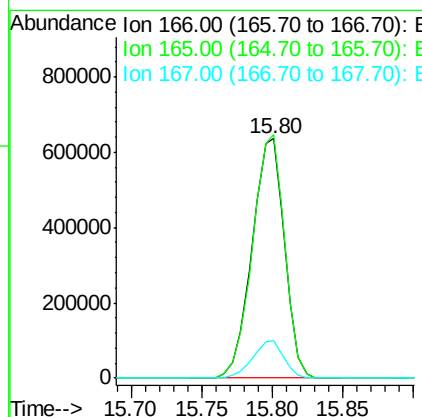
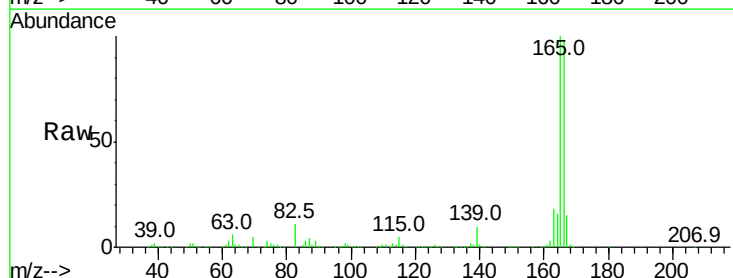
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

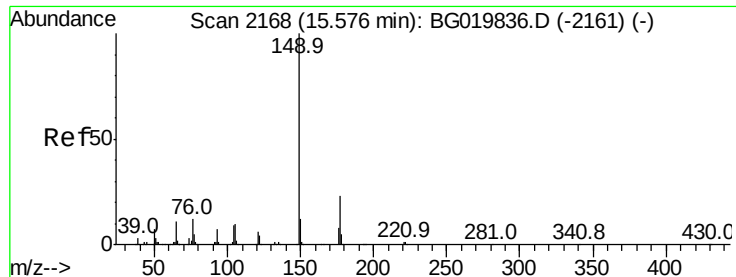
Tot Ion:139 Resp: 190432
Ion Ratio Lower Upper
139 100
109 95.4 43.2 83.2#
65 113.3 67.8 107.8#



#57
Fluorene
Concen: 116.11 ng
RT: 15.80 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:166 Resp: 1024640
Ion Ratio Lower Upper
166 100
165 101.7 80.0 120.0
167 15.5 11.1 16.7

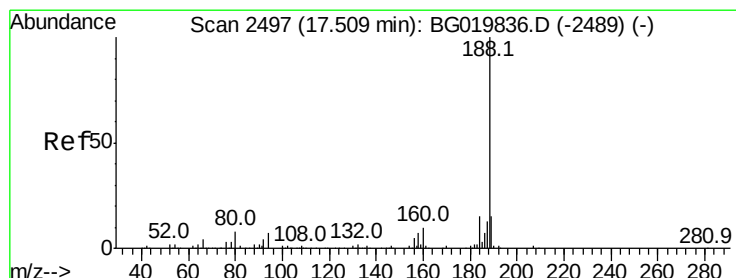
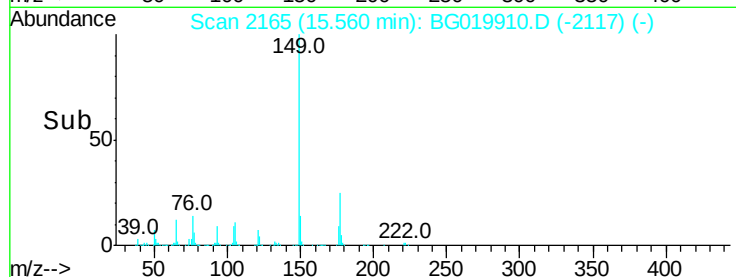
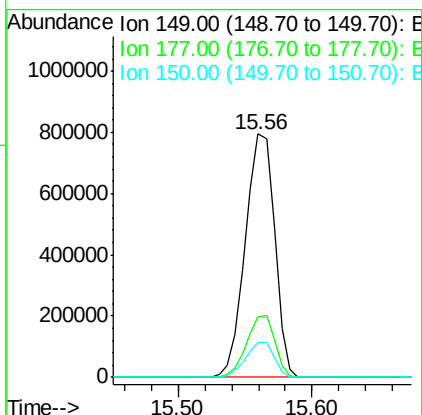
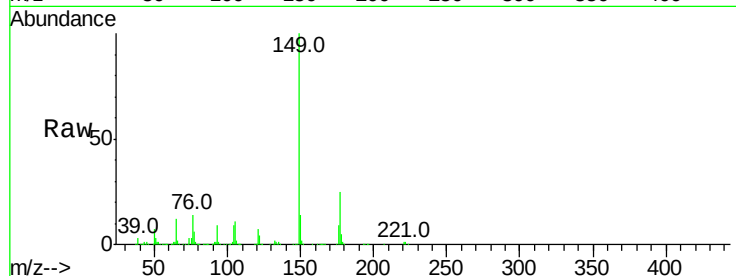




#59
Diethylphthalate
Concen: 121.65 ng
RT: 15.56 min Scan# 2165
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

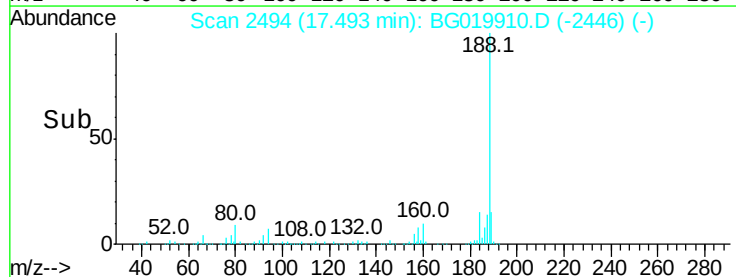
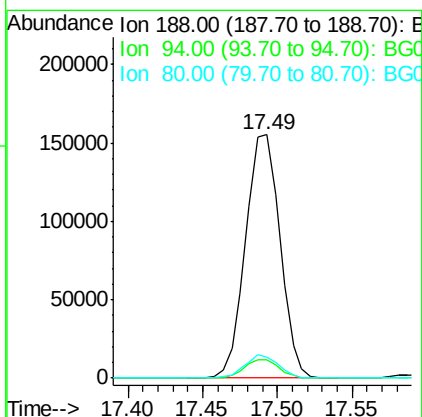
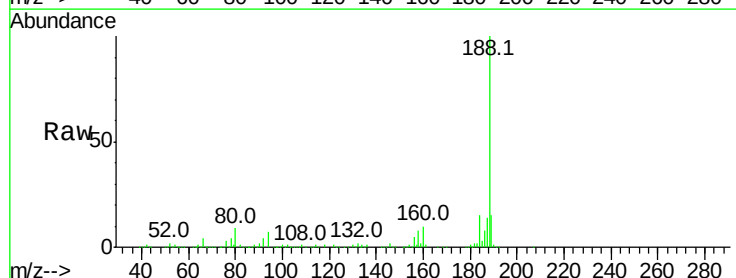
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

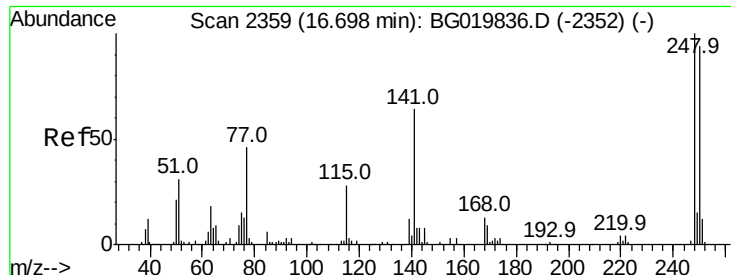
Tot Ion:149 Resp: 1200563
Ion Ratio Lower Upper
149 100
177 25.0 19.6 29.4
150 14.3 10.2 15.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.02 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:188 Resp: 247462
Ion Ratio Lower Upper
188 100
94 7.4 7.7 11.5#
80 8.8 7.8 11.8

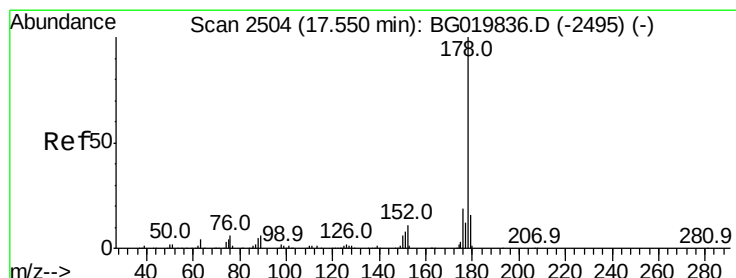
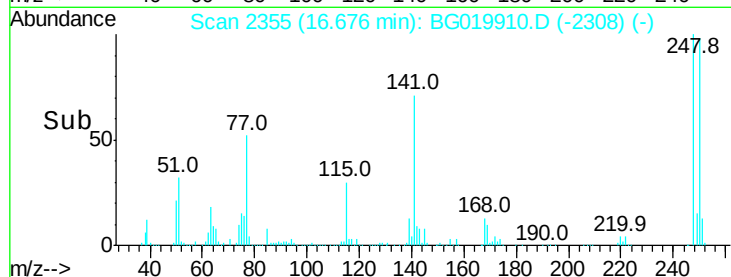
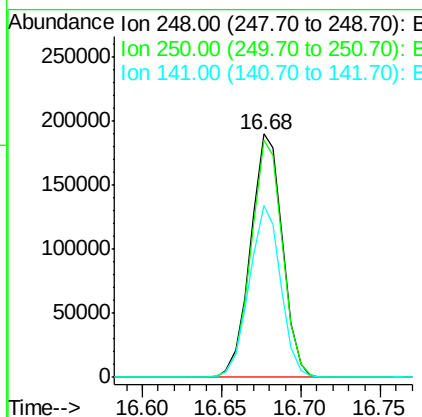
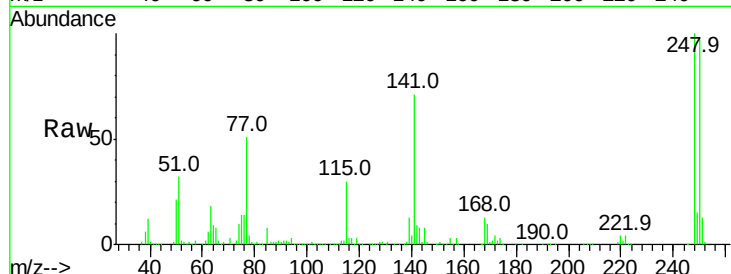




#66
 4-Bromophenyl-phenylether
 Concen: 86.15 ng
 RT: 16.68 min Scan# 2355
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

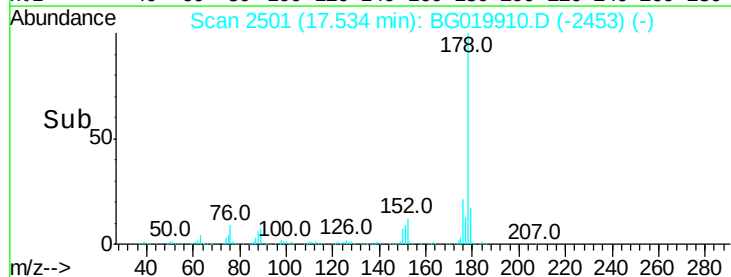
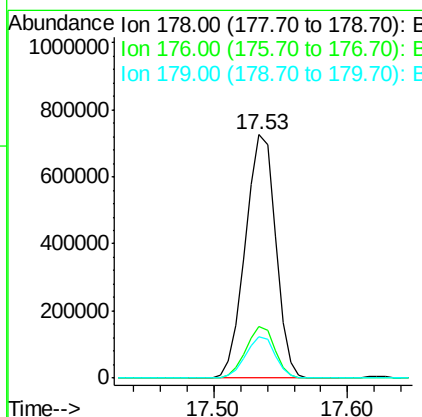
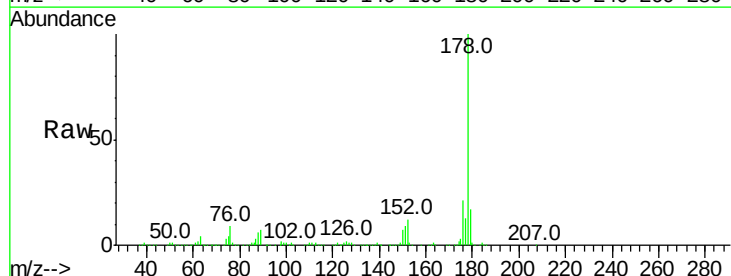
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

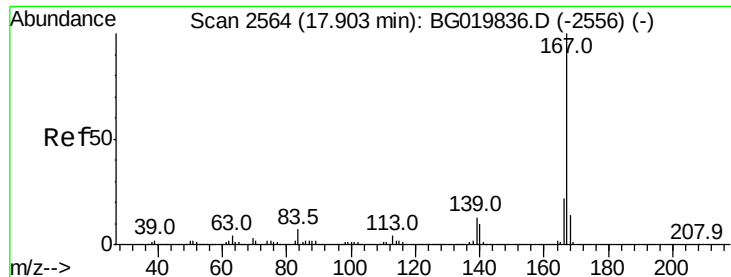
Tot Ion:248 Resp: 264908
 Ion Ratio Lower Upper
 248 100
 250 97.5 77.8 116.8
 141 70.8 50.4 75.6



#70
 Phenanthrene
 Concen: 80.97 ng
 RT: 17.53 min Scan# 2501
 Delta R.T. -0.02 min
 Lab File: BG019910.D
 Acq: 4 Dec 2015 18:23

Tgt Ion:178 Resp: 1133600
 Ion Ratio Lower Upper
 178 100
 176 21.0 16.7 25.1
 179 17.1 13.9 20.9





#72

Carbazole

Concen: 22.89 ng

RT: 17.89 min Scan# 2561

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

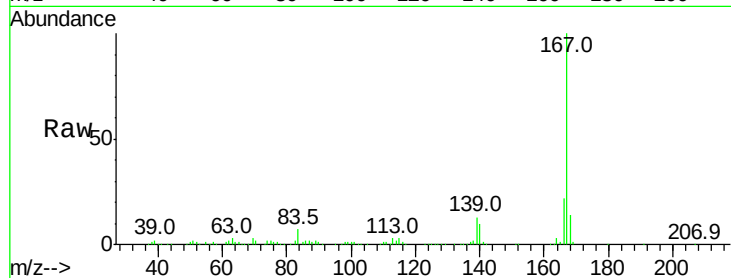
Tot Ion:167 Resp: 287621

Ion Ratio Lower Upper

167 100

166 21.9 19.0 28.6

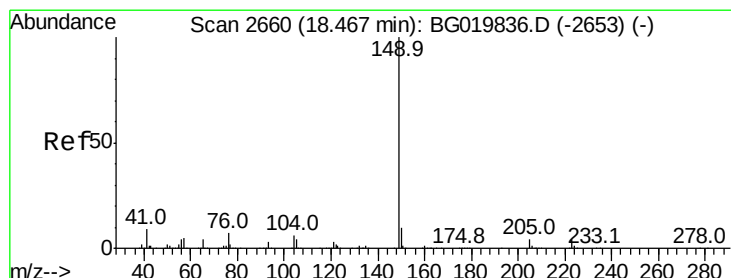
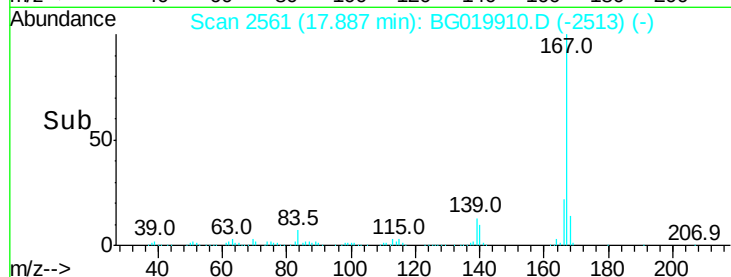
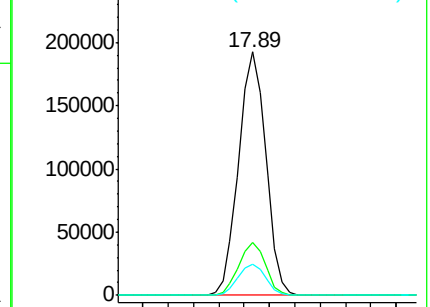
139 12.6 10.2 15.4



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: 40.92 ng

RT: 18.44 min Scan# 2656

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

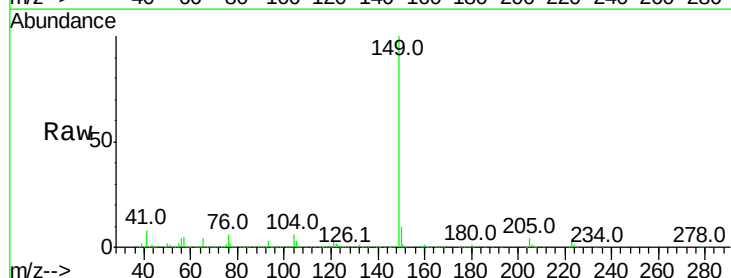
Tgt Ion:149 Resp: 630091

Ion Ratio Lower Upper

149 100

150 9.8 8.2 12.4

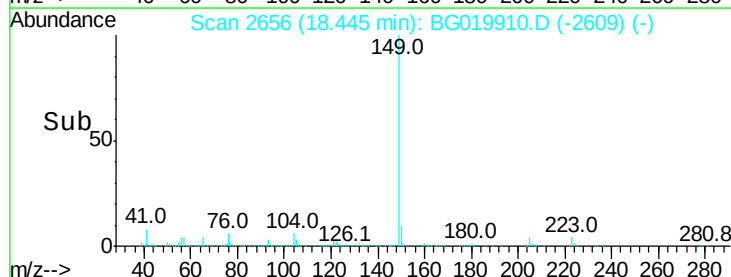
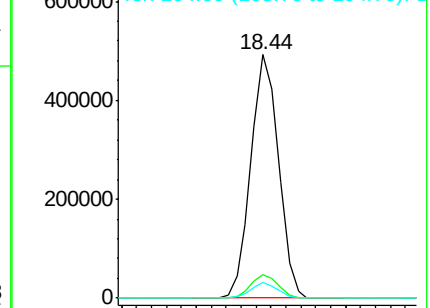
104 6.3 4.4 6.6

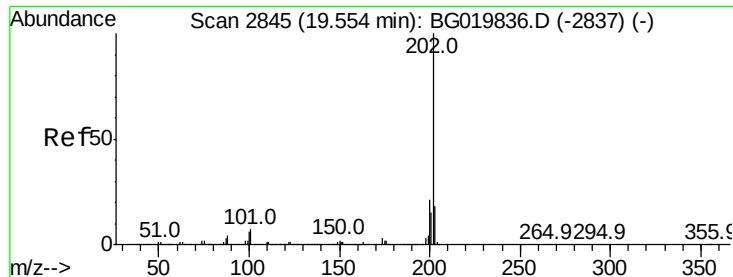


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 76.75 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

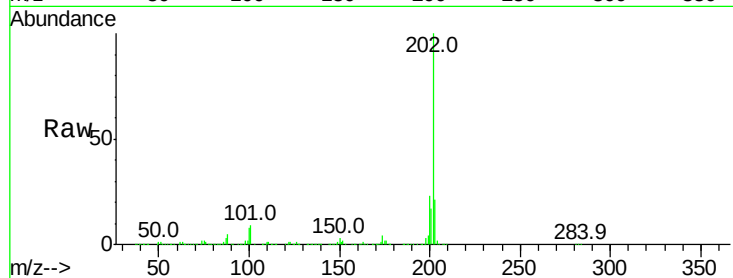
Tot Ion:202 Resp: 1374462

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	32.4
203	21.0	0.0	39.5

202 100

101 9.4 0.0 32.4

203 21.0 0.0 39.5

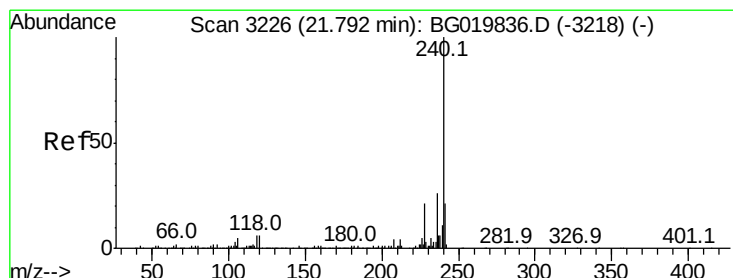
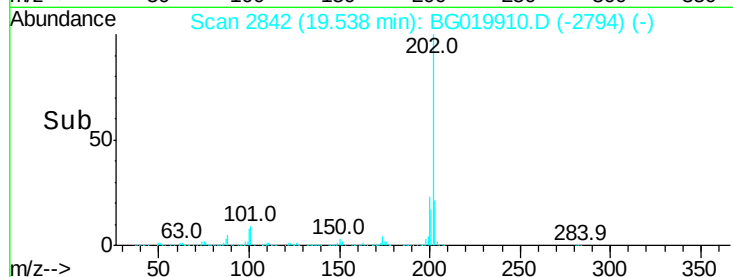
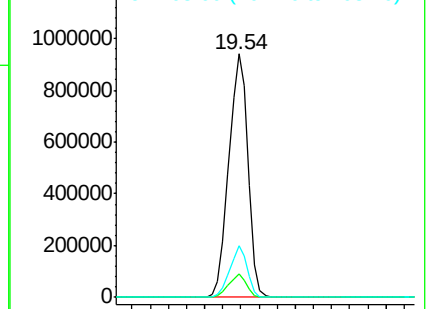


Abundance

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: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

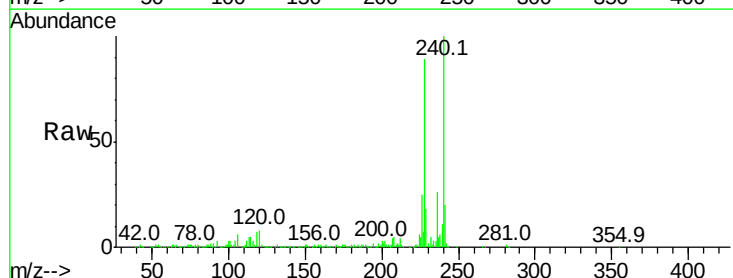
Tgt Ion:240 Resp: 288853

Ion	Ratio	Lower	Upper
240	100		
120	7.7	7.4	11.0
236	26.4	20.7	31.1

240 100

120 7.7 7.4 11.0

236 26.4 20.7 31.1

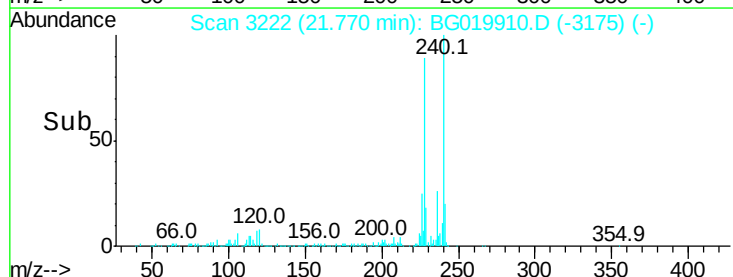
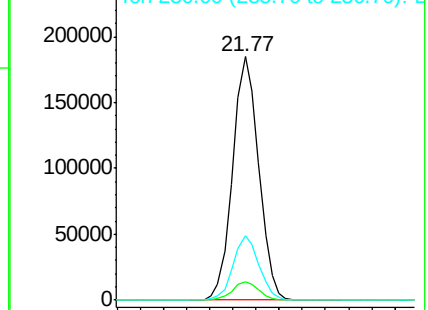


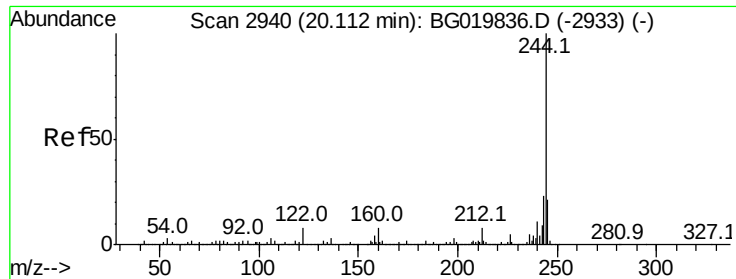
Abundance

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: 90.45 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

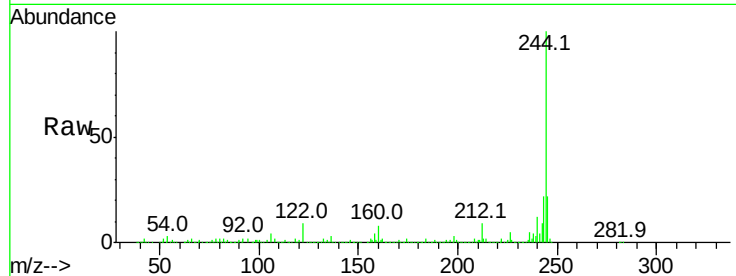
Tot Ion:244 Resp: 1071084

Ion Ratio Lower Upper

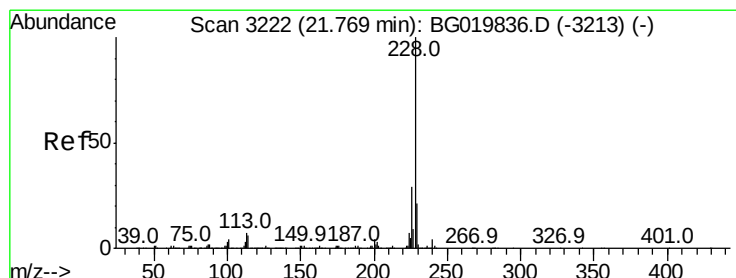
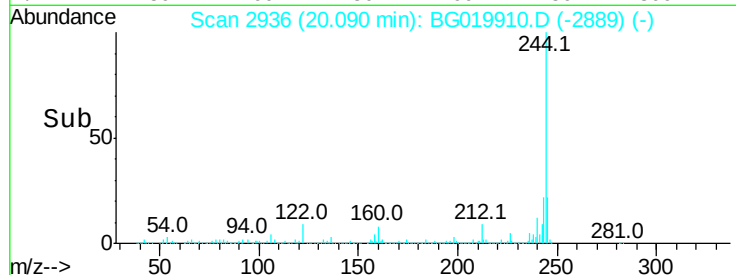
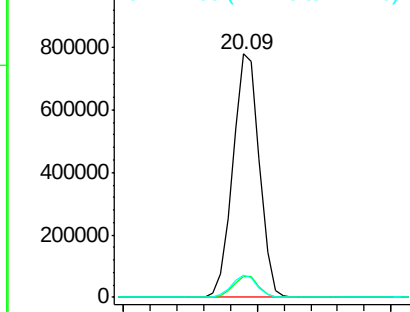
244 100

212 8.6 6.9 10.3

122 9.1 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: 86.45 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

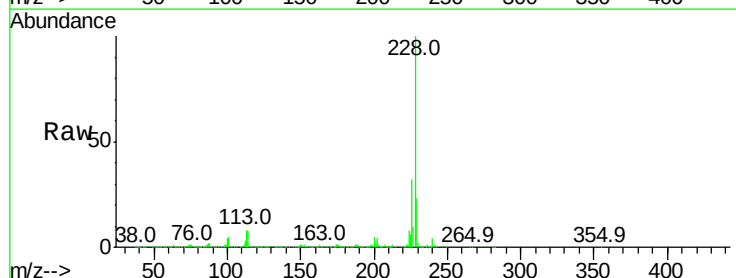
Tgt Ion:228 Resp: 1528536

Ion Ratio Lower Upper

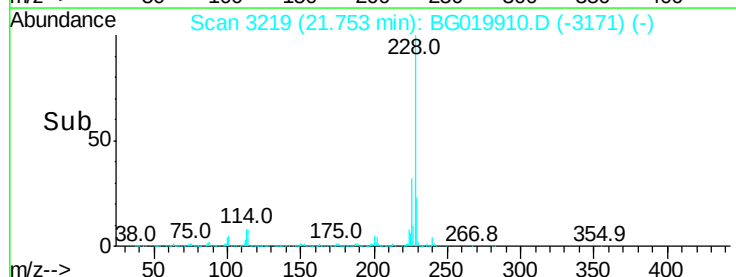
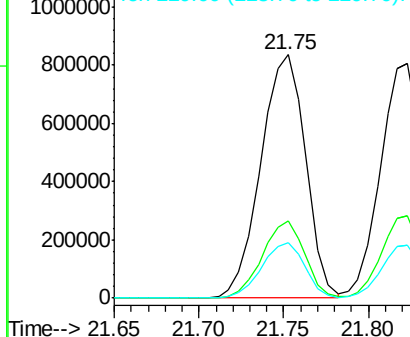
228 100

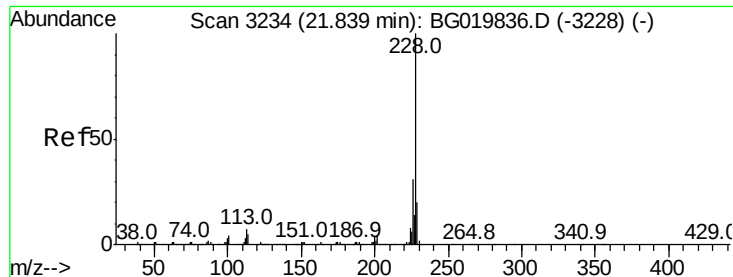
226 31.6 23.4 35.0

229 22.6 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: 82.10 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.02 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampled :

PT-BNA-SOIL

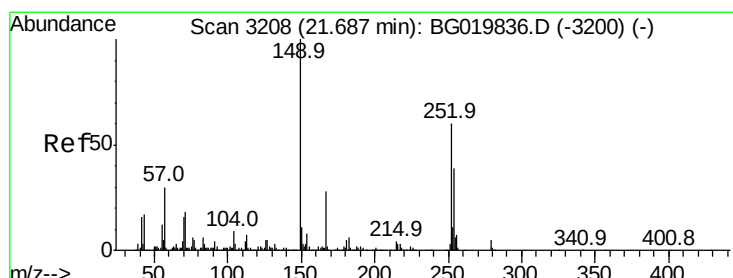
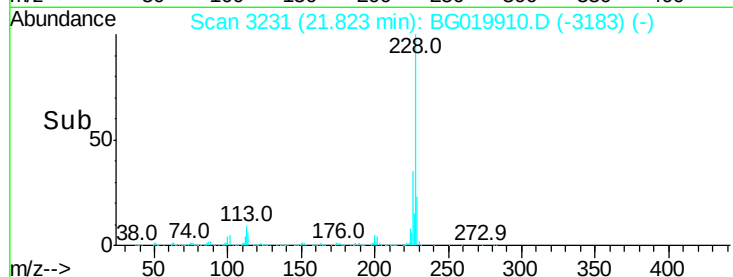
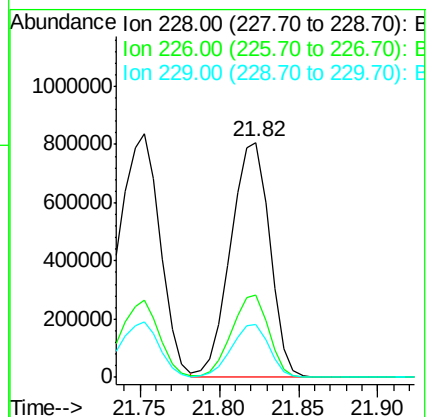
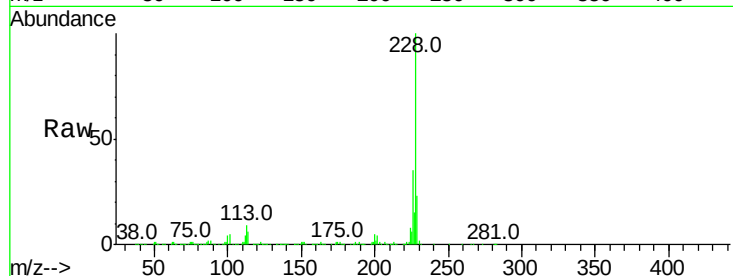
Tot Ion:228 Resp: 1378274

Ion	Ratio	Lower	Upper
228	100		
226	35.0	26.7	40.1
229	22.7	17.0	25.6

228 100

226 35.0 26.7 40.1

229 22.7 17.0 25.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 99.07 ng

RT: 21.66 min Scan# 3203

Delta R.T. -0.03 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

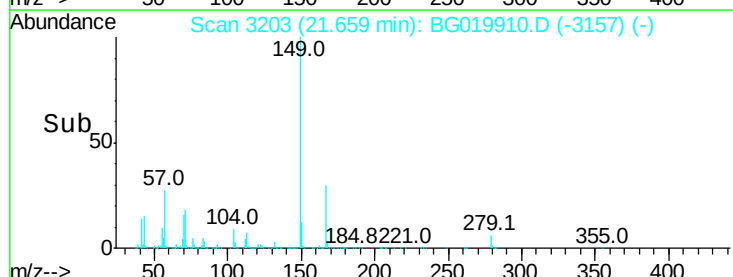
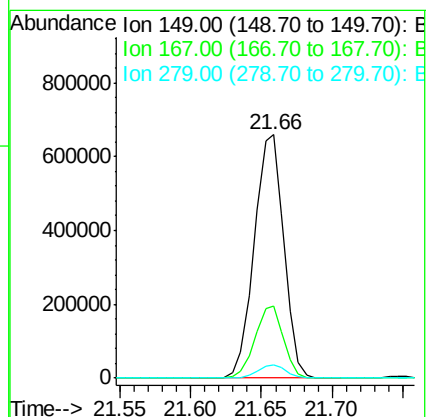
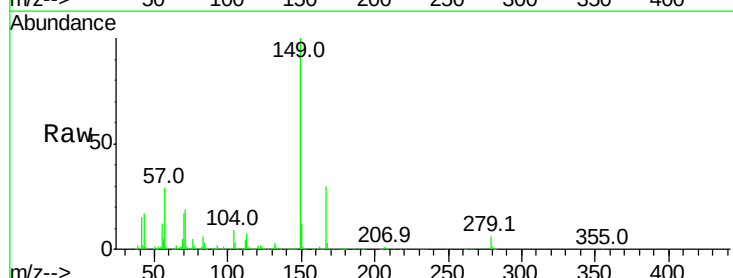
Tgt Ion:149 Resp: 968395

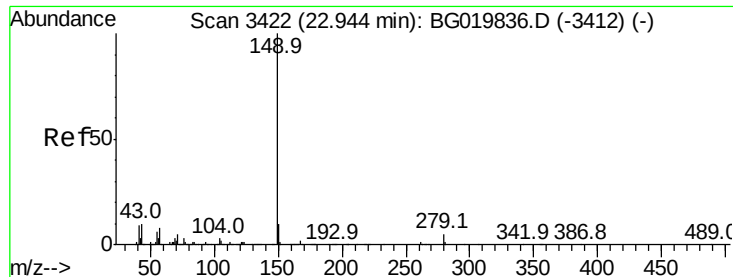
Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.8	35.8
279	5.6	3.4	5.2

149 100

167 29.8 23.8 35.8

279 5.6 3.4 5.2

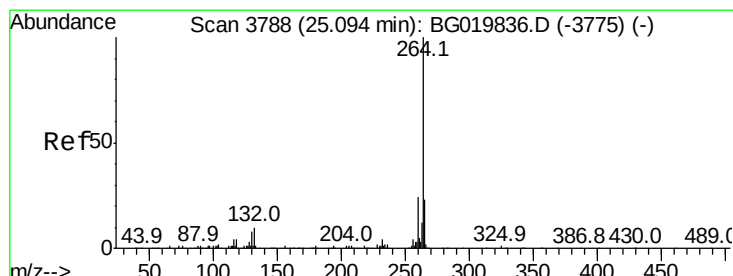
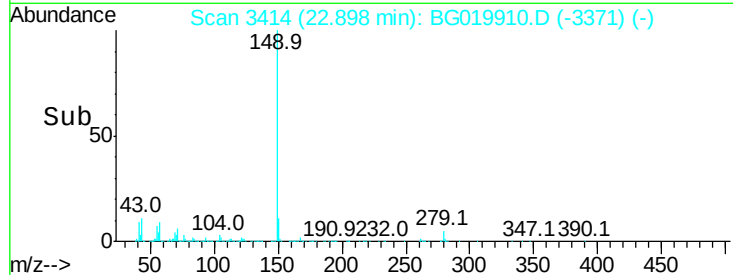
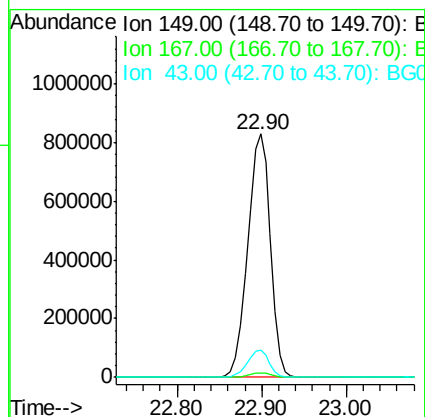
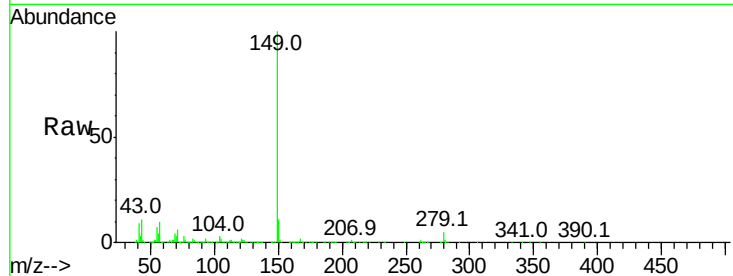




#84
Di-n-octyl phthalate
Concen: 96.54 ng
RT: 22.90 min Scan# 3414
Delta R.T. -0.05 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

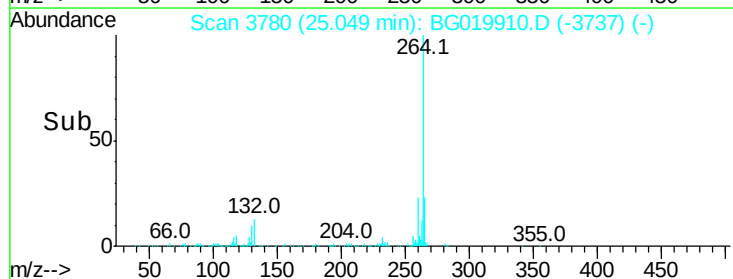
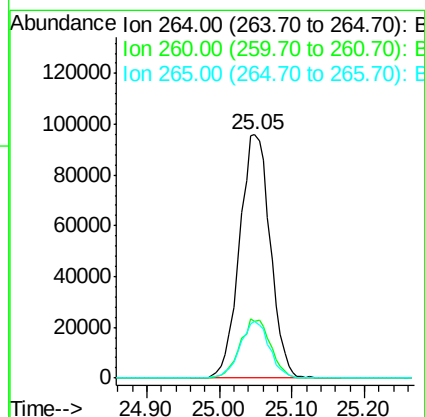
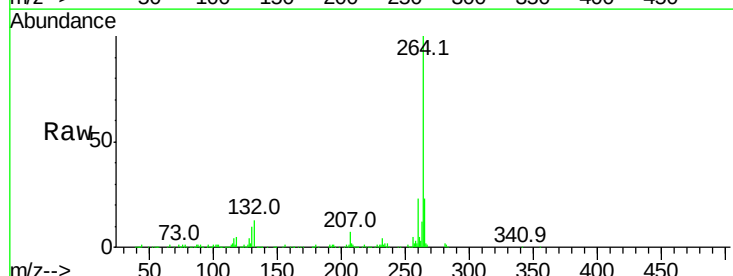
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

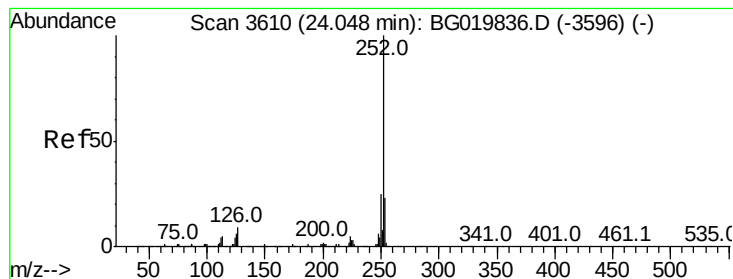
Tot Ion:149 Resp: 1534216
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 10.7 5.9 8.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.05 min Scan# 3780
Delta R.T. -0.05 min
Lab File: BG019910.D
Acq: 4 Dec 2015 18:23

Tgt Ion:264 Resp: 281835
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 23.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 84.73 ng

RT: 24.02 min Scan# 3605

Delta R.T. -0.03 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOIL

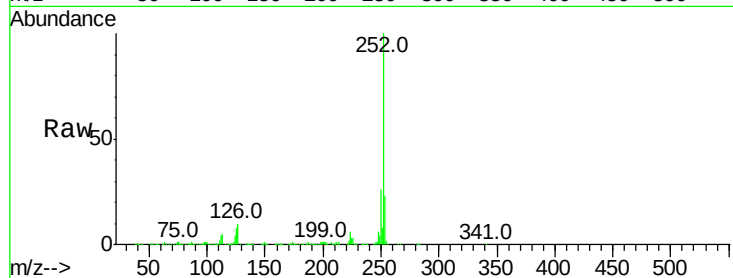
Tot Ion:252 Resp: 1513508

Ion Ratio Lower Upper

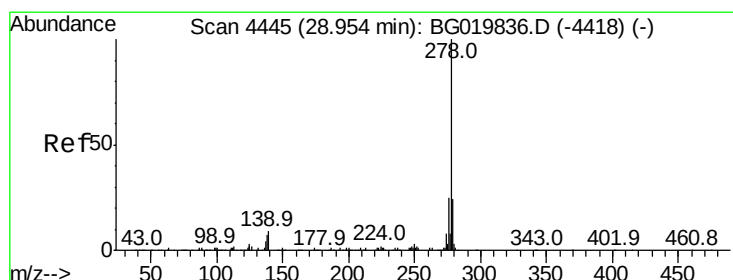
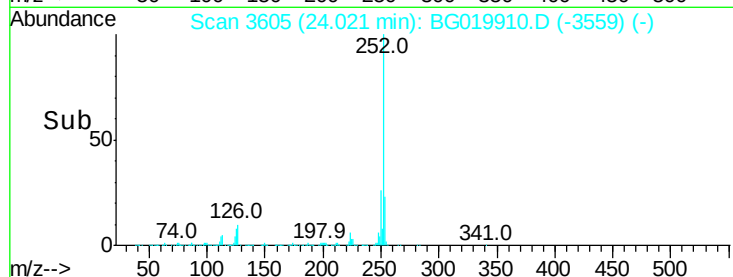
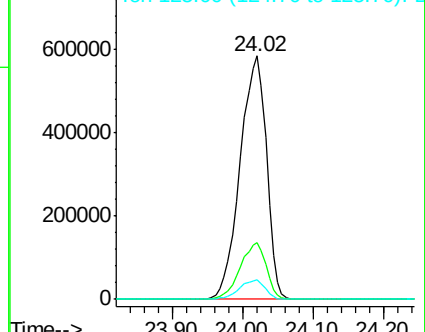
252 100

253 23.3 19.1 28.7

125 8.1 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: 114.40 ng

RT: 28.92 min Scan# 4439

Delta R.T. -0.03 min

Lab File: BG019910.D

Acq: 4 Dec 2015 18:23

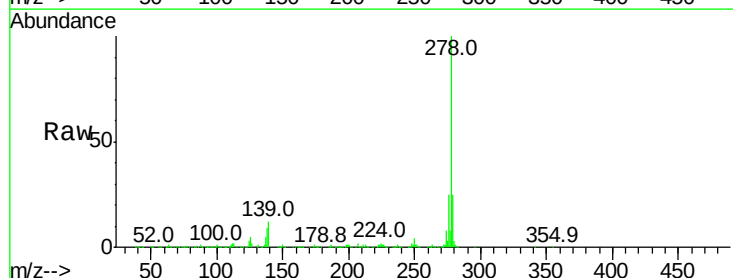
Tgt Ion:278 Resp: 1916737

Ion Ratio Lower Upper

278 100

139 11.9 13.8 20.6#

279 24.9 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

