

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
 Data File : BG024753.D
 Acq On : 8 Nov 2016 10:47
 Operator : UM/SJ
 Sample : H5524-15DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Nov 08 13:10:50 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	95675	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	381992	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	305570	20.00	ng	-0.01
63) Phenanthrene-d10	17.62	188	694838	20.00	ng	0.00
75) Chrysene-d12	21.91	240	979288	20.00	ng	-0.02
86) Perylene-d12	25.34	264	1021822	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	135859	23.27	ng	0.00
7) Phenol-d6	7.40	99	200098	24.99	ng	0.00
23) Nitrobenzene-d5	9.44	82	141523	16.87	ng	-0.01
41) 2,4,6-Tribromophenol	16.36	330	122779	26.90	ng	-0.01
44) 2-Fluorobiphenyl	13.50	172	335138	18.23	ng	-0.01
78) Terphenyl-d14	20.20	244	696860	21.26	ng	-0.01

Target Compounds				Qvalue		
8) 2-Chlorophenol	7.81	128	255111	42.98	ng	91
10) Phenol	7.43	94	503812	61.04	ng	94
11) bis(2-Chloroethyl)ether	7.67	93	170263	27.46	ng	88
12) 1,3-Dichlorobenzene	8.14	146	231779	31.55	ng	97
13) 1,4-Dichlorobenzene	8.30	146	162040	22.33	ng	94
14) 1,2-Dichlorobenzene	8.62	146	163097	23.37	ng	89
18) Hexachloroethane	9.35	117	26260	9.41	ng	95
24) Nitrobenzene	9.48	77	211157	22.62	ng	# 90
25) Isophorone	9.99	82	772458	49.50	ng	99
29) 2,4-Dichlorophenol	10.72	162	178632	28.06	ng	94
30) 1,2,4-Trichlorobenzene	10.94	180	170872	22.63	ng	96
31) Naphthalene	11.14	128	430242	22.58	ng	99
34) Hexachlorobutadiene	11.40	225	174326	29.50	ng	91
37) 2-Methylnaphthalene	12.72	142	265387	19.09	ng	92
48) Acenaphthylene	14.60	152	547532	22.11	ng	95
51) Acenaphthene	14.94	154	262886	14.24	ng	98
55) 4-Nitrophenol	15.07	139	83255	19.94	ng	# 77
57) Fluorene	15.92	166	382465	18.07	ng	97
60) 4-Chlorophenyl-phenylether	15.91	204	535670	45.11	ng	100
67) Hexachlorobenzene	16.92	284	98521	10.57	ng	# 87
70) Phenanthrene	17.66	178	1189318	33.58	ng	97
71) Anthracene	17.76	178	887546	24.84	ng	97
74) Fluoranthene	19.65	202	1253972	28.01	ng	94
77) Pyrene	20.02	202	921511	19.25	ng	92
80) Benzo(a)anthracene	21.89	228	367531	6.83	ng	91
82) Chrysene	21.96	228	615741	12.02	ng	93
83) Bis(2-ethylhexyl)phthalate	21.75	149	1158089	40.56	ng	98
84) Di-n-octyl phthalate	23.03	149	1976391	41.71	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.26	276	815398	11.53	ng	# 78
87) Benzo(b)fluoranthene	24.24	252	731314	13.24	ng	98
90) Dibenzo(a,h)anthracene	29.34	278	1031739	17.42	ng	97
91) Benzo(a,h,i)perylene	30.51	276	487488	8.24	ng	98

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
Data File : BG024753.D
Acq On : 8 Nov 2016 10:47
Operator : UM/SJ
Sample : H5524-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Quant Time: Nov 08 13:10:50 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration

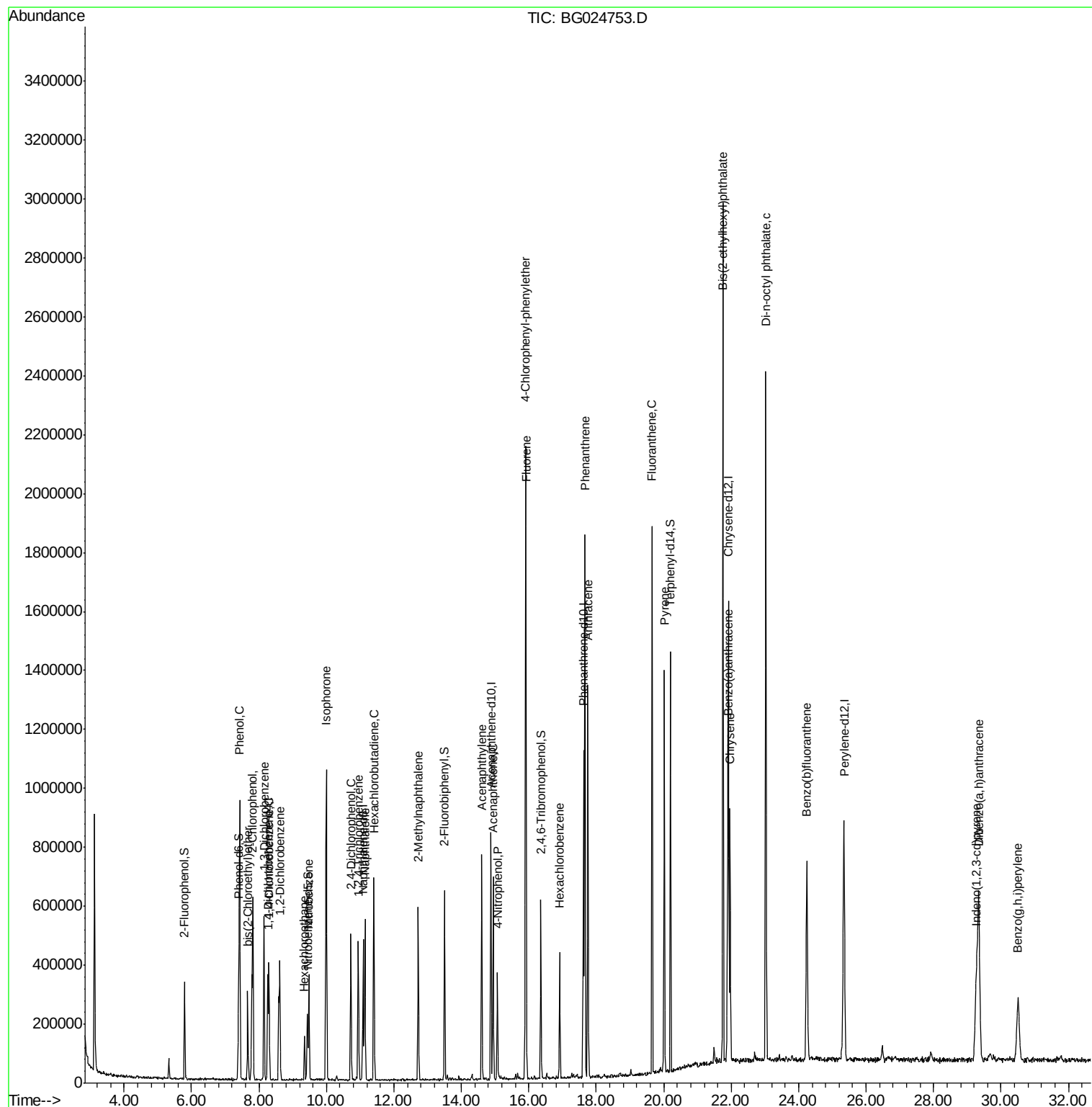
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

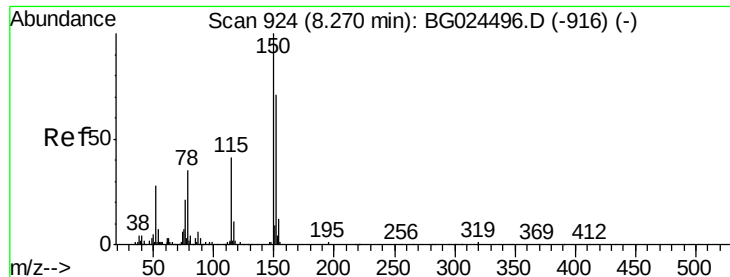
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
Data File : BG024753.D
Acq On : 8 Nov 2016 10:47
Operator : UM/SJ
Sample : H5524-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Quant Time: Nov 08 13:10:50 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

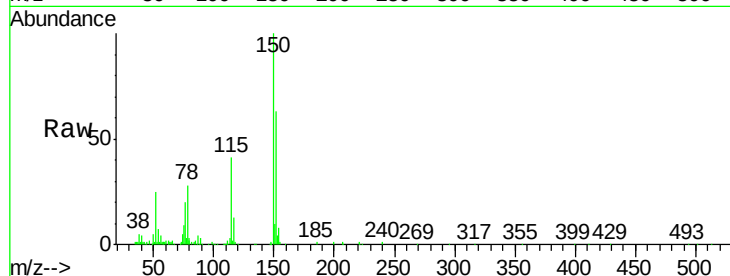
Tot Ion:152 Resp: 95675

Ion Ratio Lower Upper

152 100

150 159.9 114.0 171.0

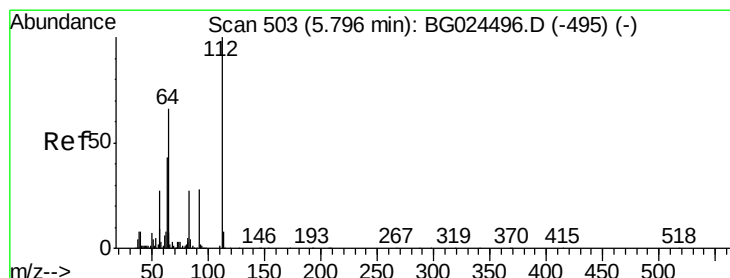
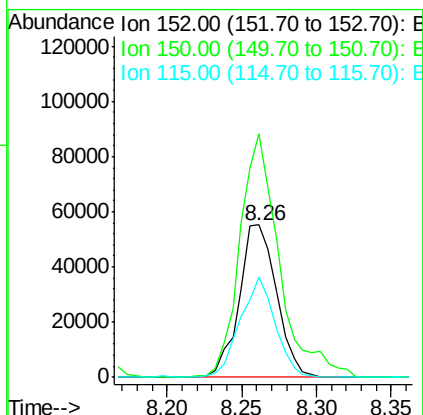
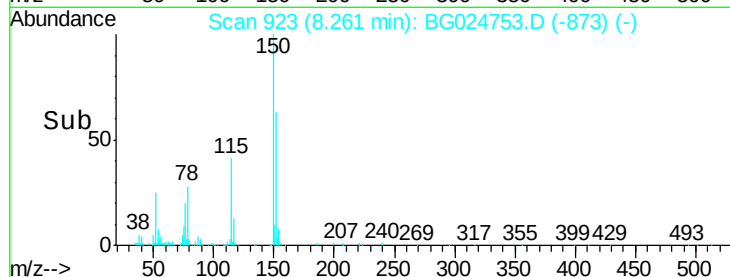
115 66.0 48.1 72.1



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: 23.27 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

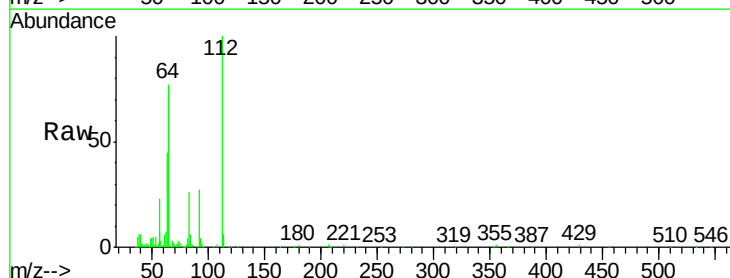
Tgt Ion:112 Resp: 135859

Ion Ratio Lower Upper

112 100

64 76.9 61.8 92.6

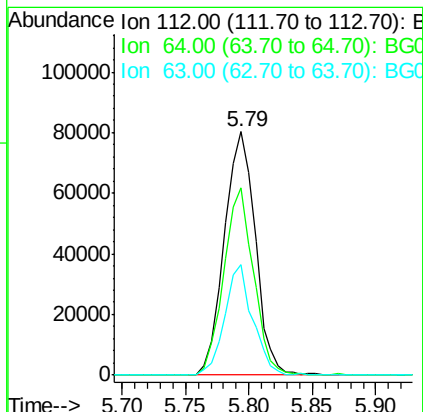
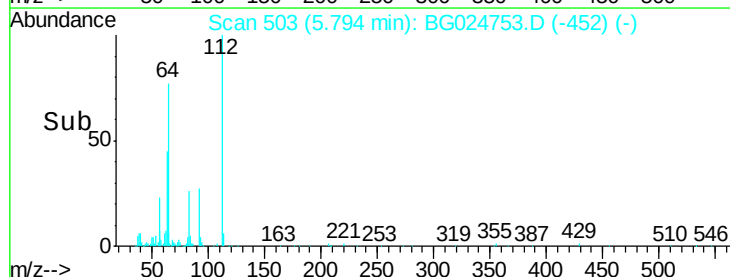
63 45.1 37.2 55.8

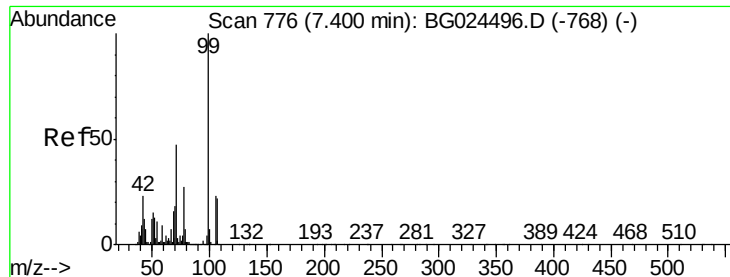


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.99 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

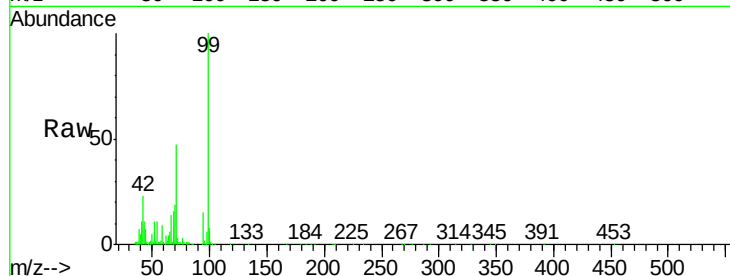
Tot Ion: 99 Resp: 200098

Ion Ratio Lower Upper

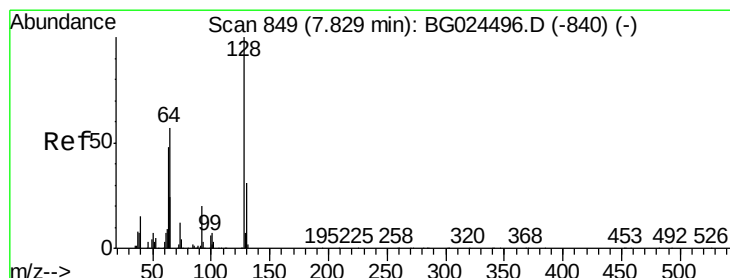
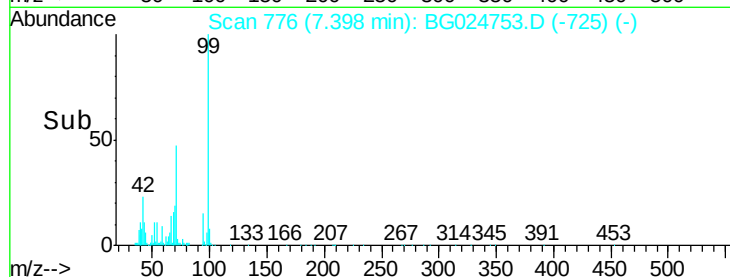
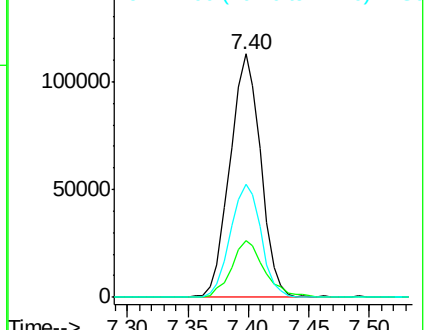
99 100

42 23.3 20.5 30.7

71 46.6 37.6 56.4



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: 42.98 ng

RT: 7.81 min Scan# 847

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

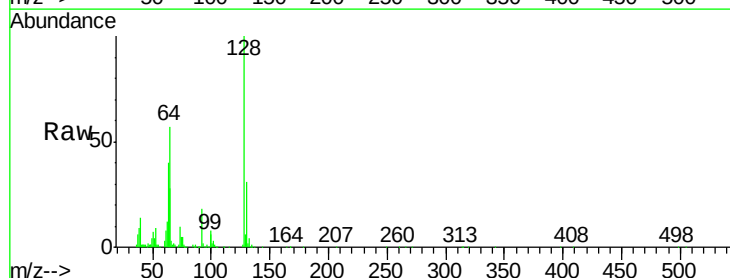
Tgt Ion: 128 Resp: 255111

Ion Ratio Lower Upper

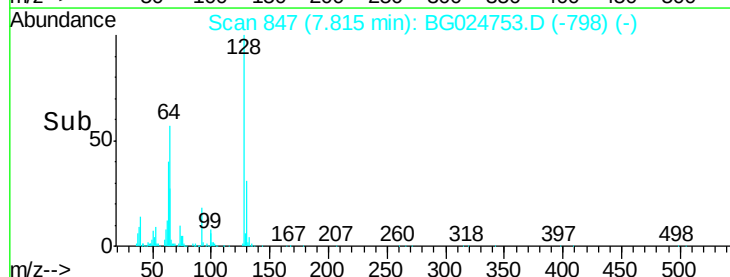
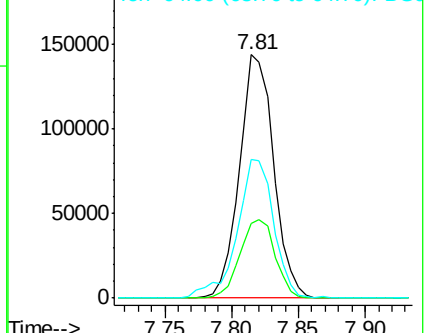
128 100

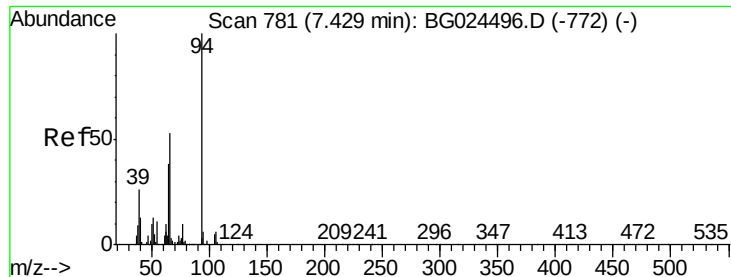
130 30.8 11.4 51.4

64 56.8 46.6 86.6



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: 61.04 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.00 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

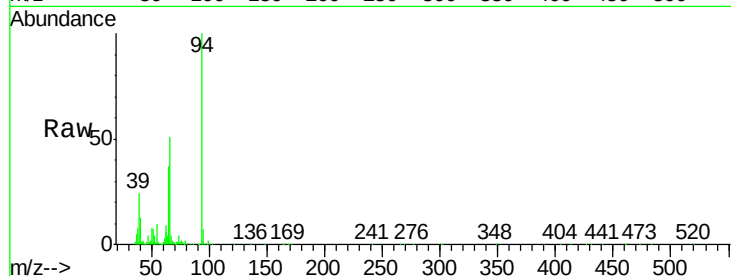
Tot Ion: 94 Resp: 503812

Ion Ratio Lower Upper

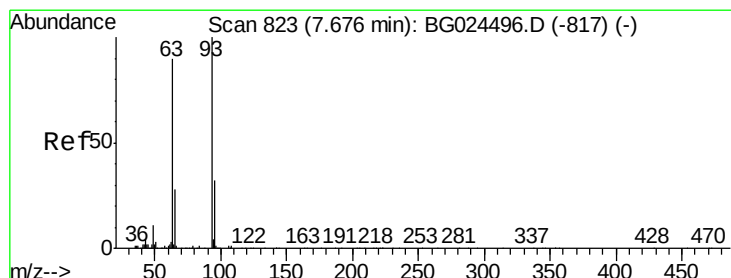
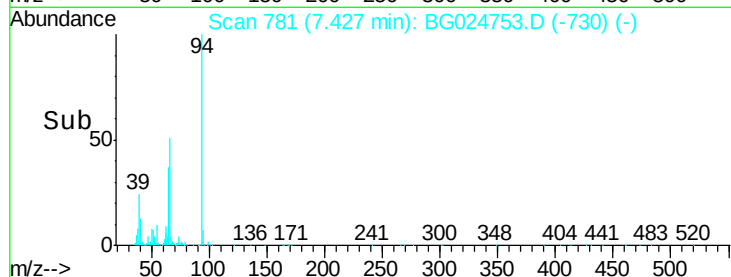
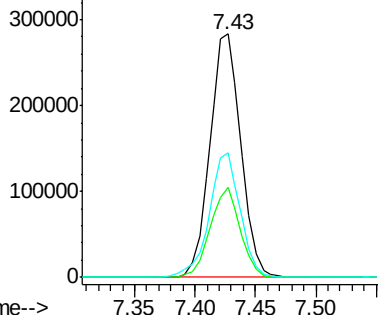
94 100

65 36.7 20.6 60.6

66 51.3 35.5 75.5



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



#11

bis(2-Chloroethyl)ether

Concen: 27.46 ng

RT: 7.67 min Scan# 822

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

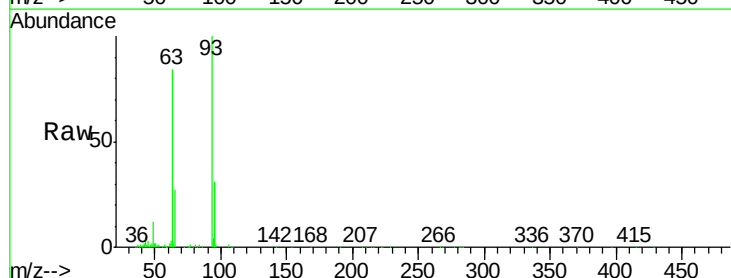
Tgt Ion: 93 Resp: 170263

Ion Ratio Lower Upper

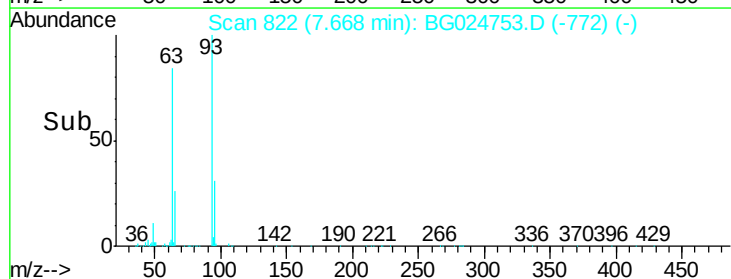
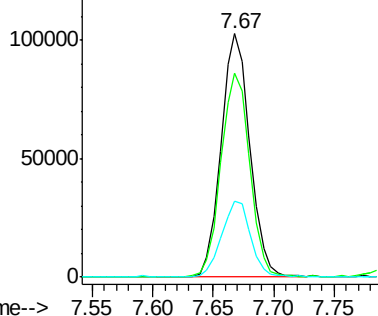
93 100

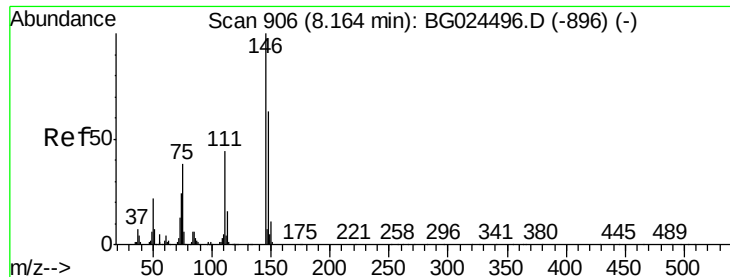
63 84.0 78.5 118.5

95 31.1 9.8 49.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

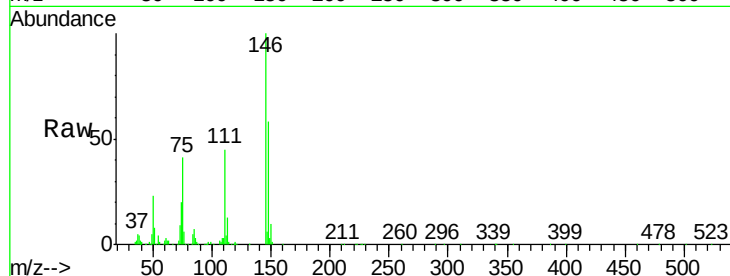




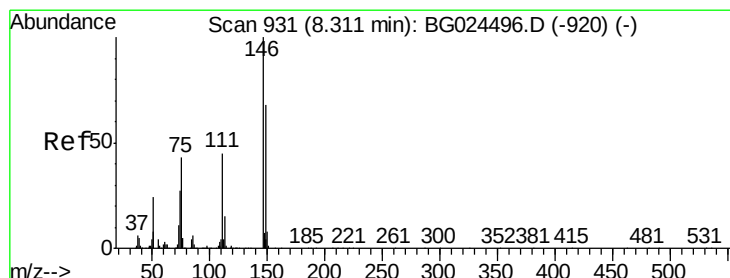
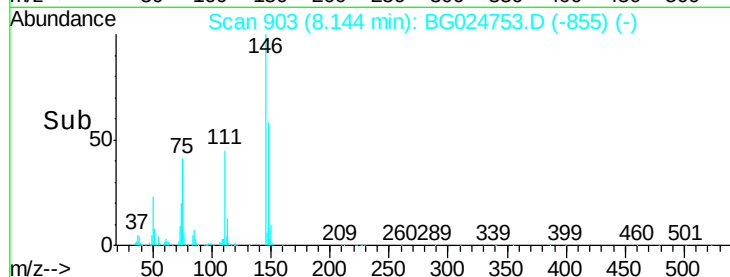
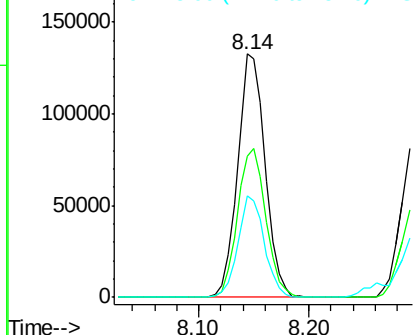
#12
 1,3-Dichlorobenzene
 Concen: 31.55 ng
 RT: 8.14 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.9	49.2	73.8
75	41.4	33.4	50.2

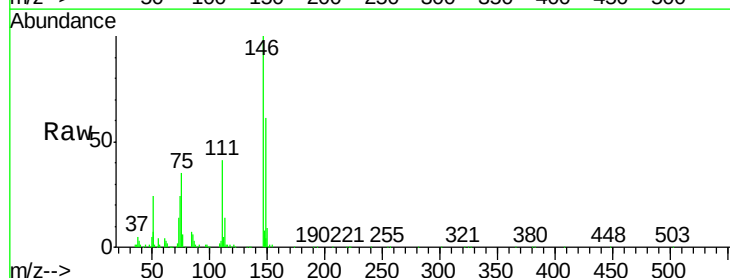


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

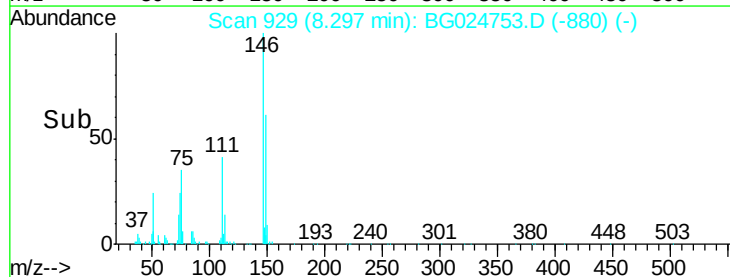
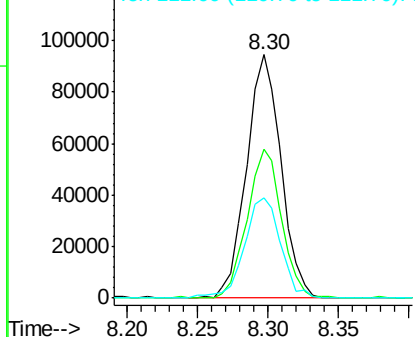


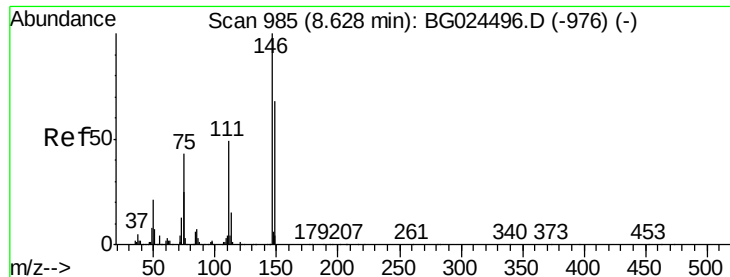
#13
 1,4-Dichlorobenzene
 Concen: 22.33 ng
 RT: 8.30 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.3	52.2	78.2
111	41.1	37.0	55.6



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





#14

1,2-Dichlorobenzene

Concen: 23.37 ng

RT: 8.62 min Scan# 984

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

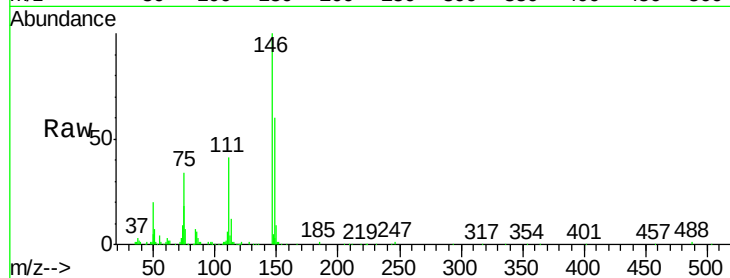
Tot Ion:146 Resp: 163097

Ion Ratio Lower Upper

146 100

148 60.1 54.6 81.8

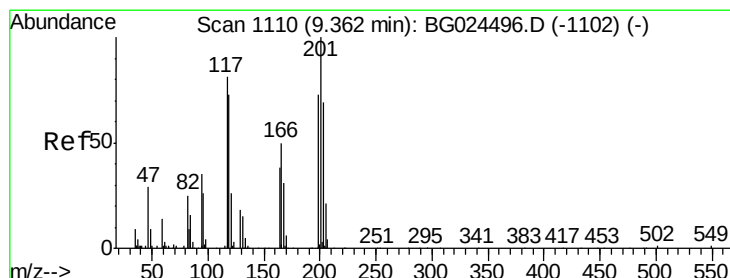
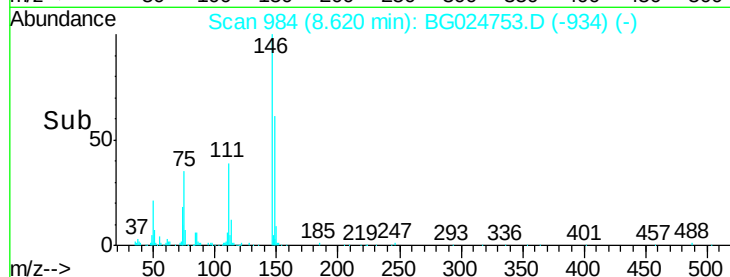
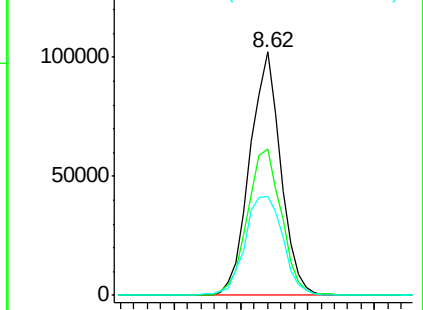
111 40.6 39.7 59.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 9.41 ng

RT: 9.35 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

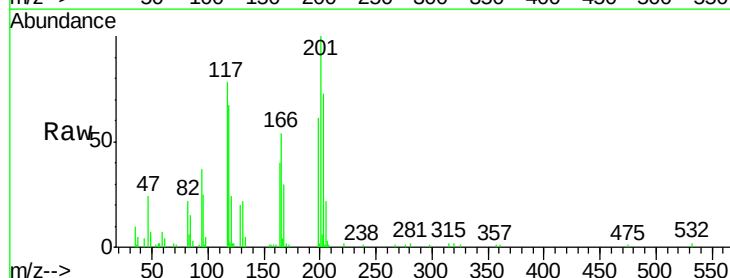
Tgt Ion:117 Resp: 26260

Ion Ratio Lower Upper

117 100

119 86.3 69.8 104.6

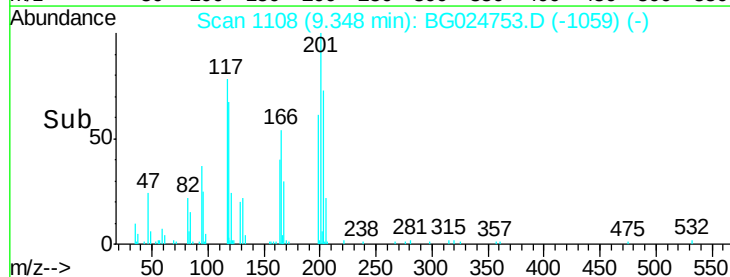
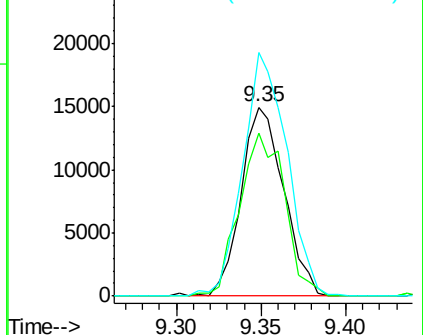
201 128.9 95.4 143.0

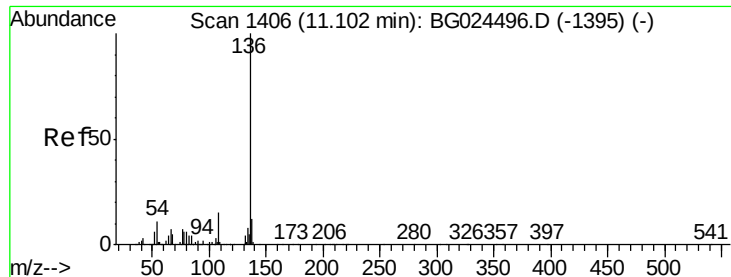


Abundance Ion 117.00 (116.70 to 117.70): E

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: 11.09 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

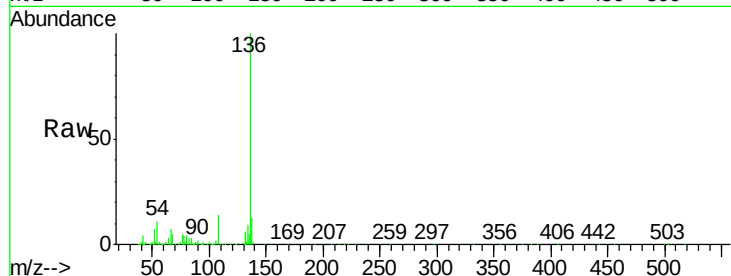
Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

Tot Ion:136	Resp:	381992
Ion	Ratio	Lower Upper
136	100	
137	12.7	8.9 13.3
54	11.3	9.3 13.9
68	4.7	5.1 7.7#

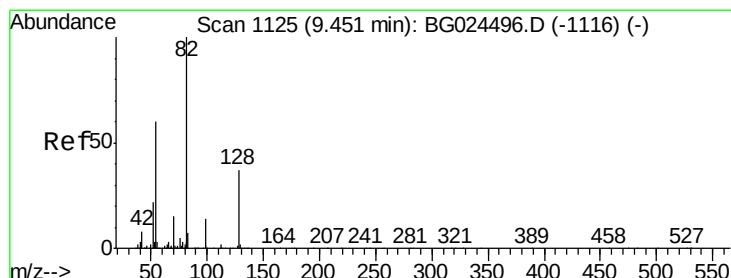
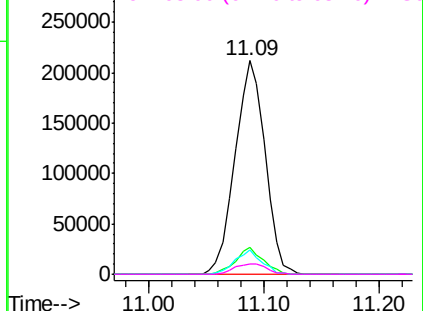
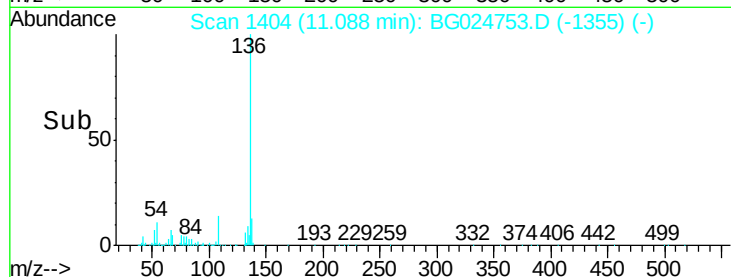


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.87 ng

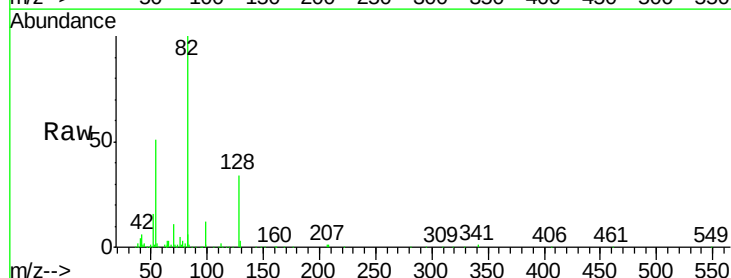
RT: 9.44 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

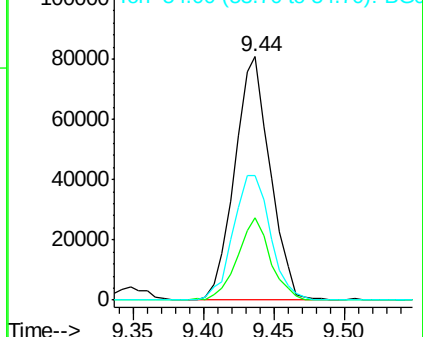
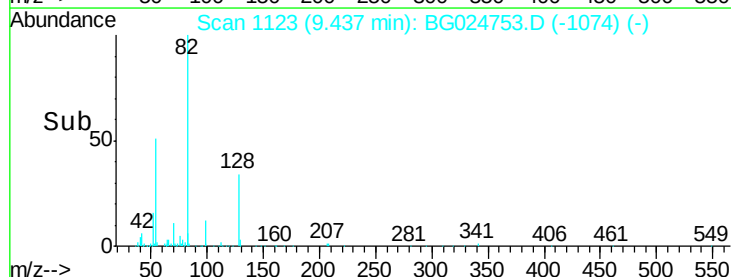
Tgt Ion: 82	Resp:	141523
Ion	Ratio	Lower Upper
82	100	
128	33.6	26.4 39.6
54	50.9	49.4 74.2

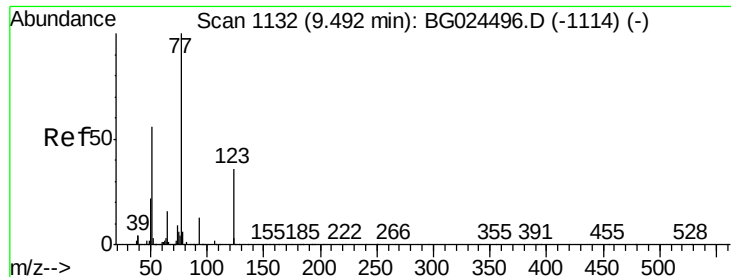


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

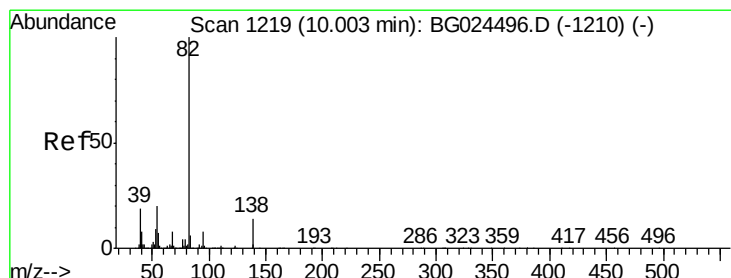
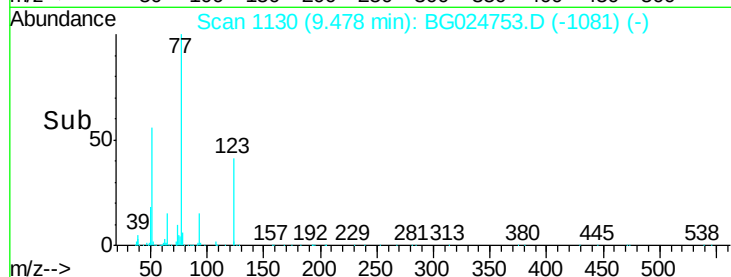
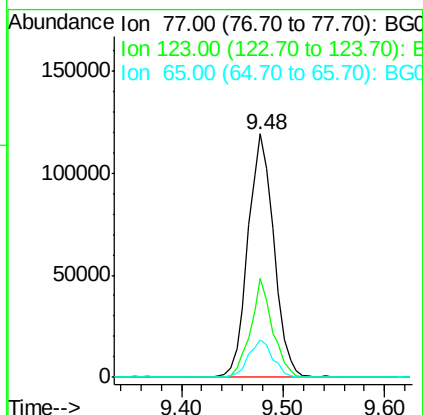
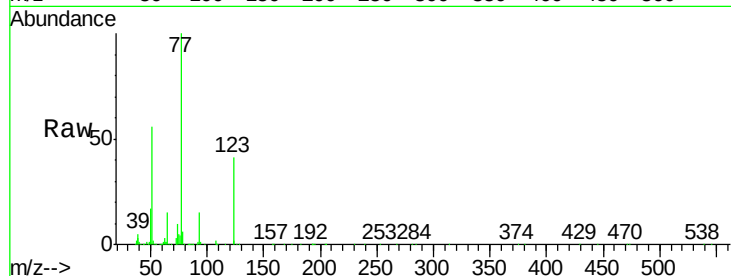




#24
 Nitrobenzene
 Concen: 22.62 ng
 RT: 9.48 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

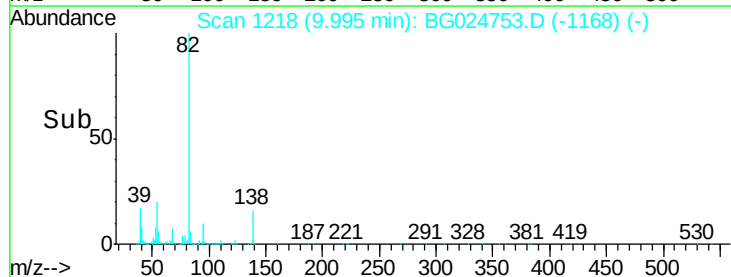
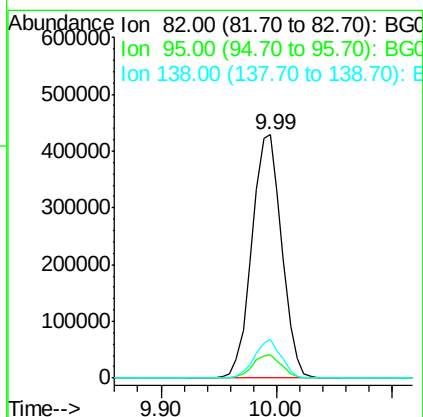
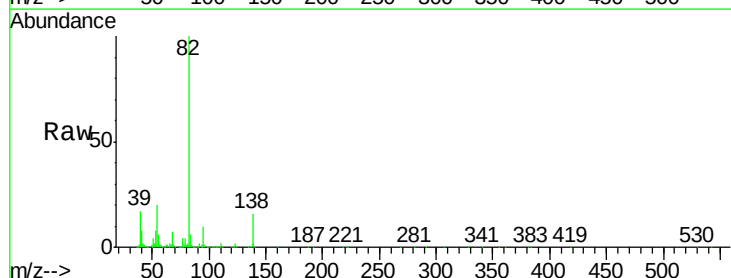
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

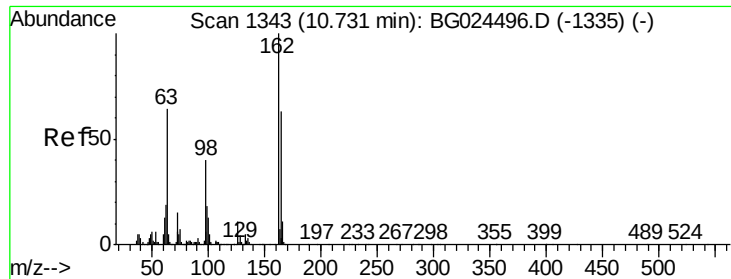
Tot Ion	Ratio	Lower	Upper
77	100		
123	40.7	26.1	39.1
65	15.4	12.4	18.6



#25
 Isophorone
 Concen: 49.50 ng
 RT: 9.99 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.6	7.5	11.3
138	15.8	12.3	18.5

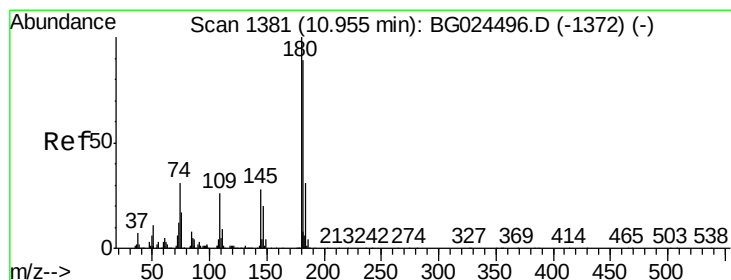
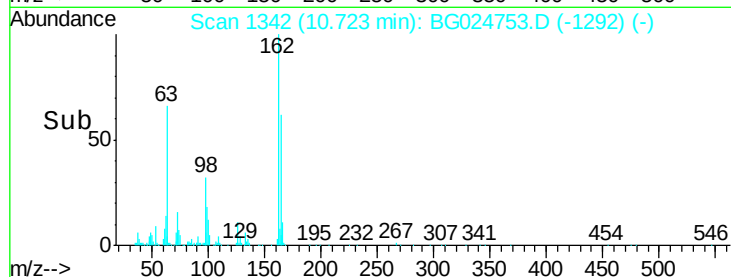
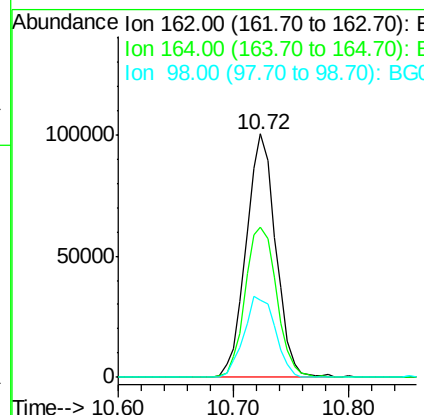
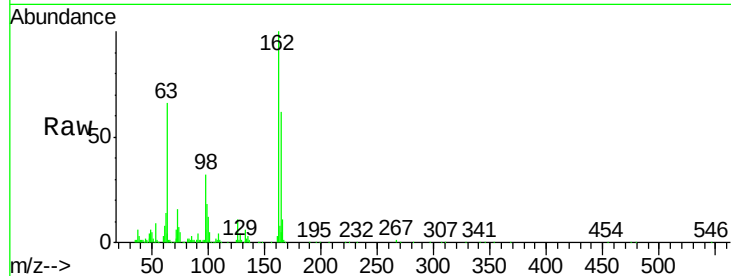




#29
 2,4-Dichlorophenol
 Concen: 28.06 ng
 RT: 10.72 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

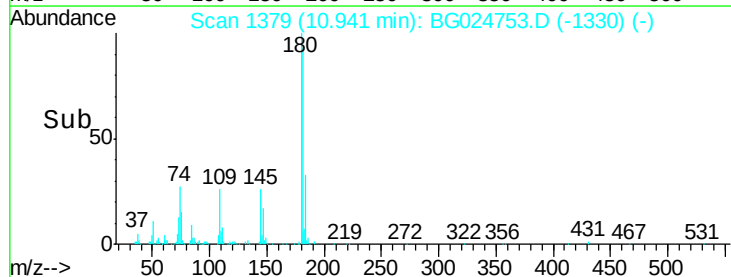
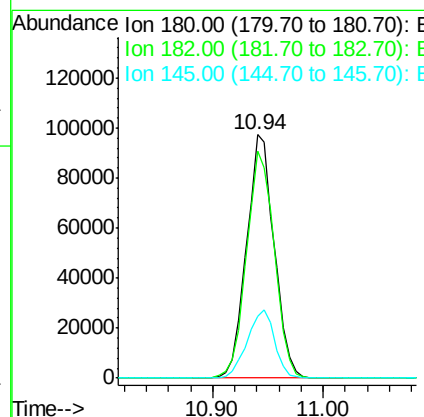
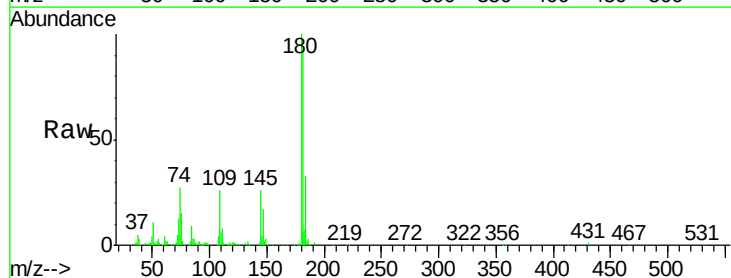
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

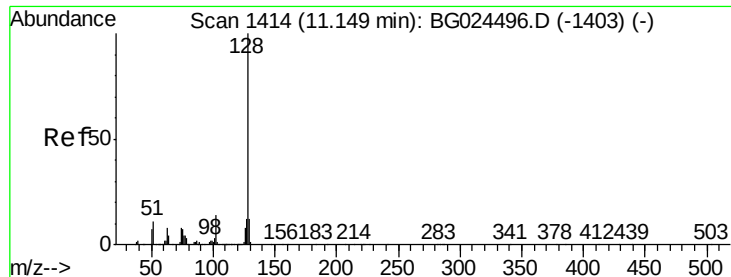
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.6	42.4	82.4
98	31.6	20.3	60.3



#30
 1,2,4-Trichlorobenzene
 Concen: 22.63 ng
 RT: 10.94 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BG024753.D
 Acq: 8 Nov 2016 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.0	115.4
145	25.6	23.4	35.0

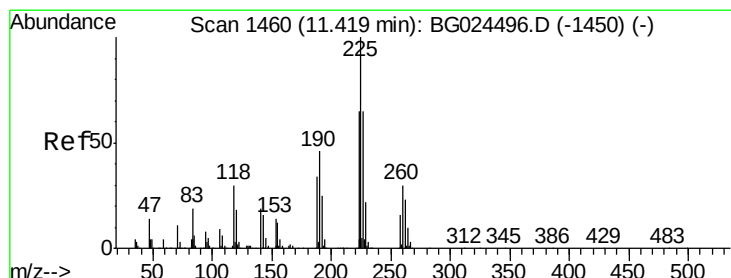
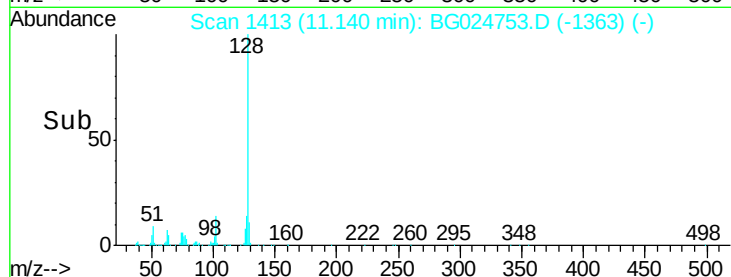
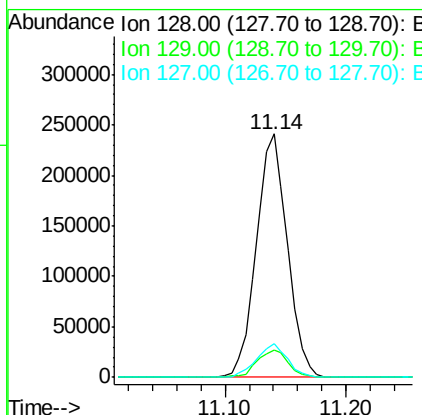
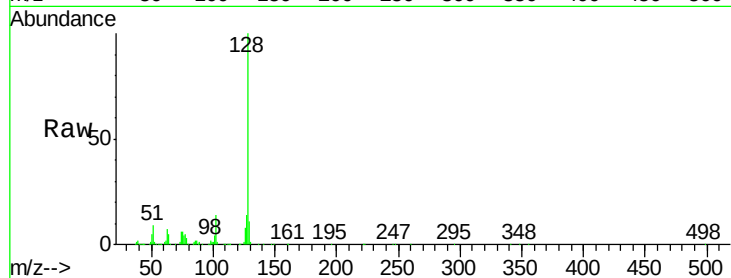




#31
Naphthalene
Concen: 22.58 ng
RT: 11.14 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

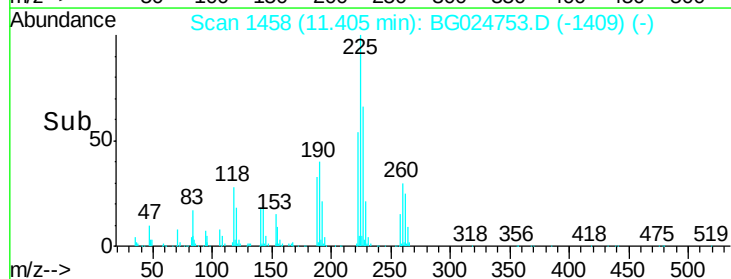
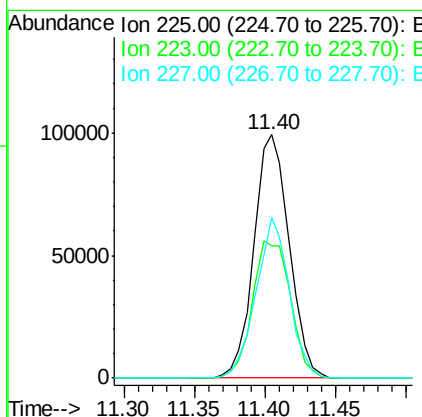
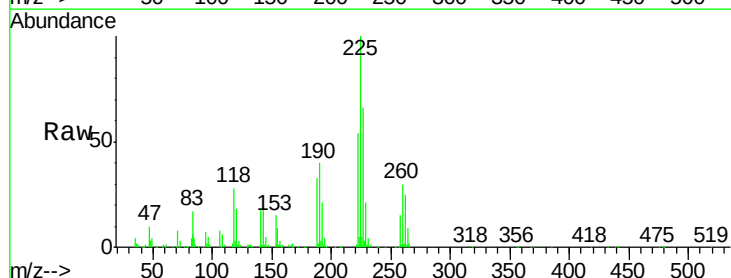
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

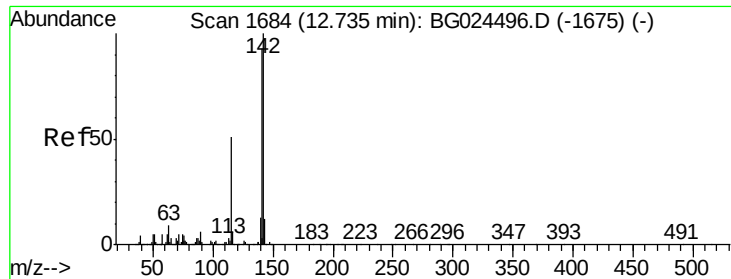
Tot Ion:128 Resp: 430242
Ion Ratio Lower Upper
128 100
129 11.2 9.3 13.9
127 13.9 11.4 17.0



#34
Hexachlorobutadiene
Concen: 29.50 ng
RT: 11.40 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion:225 Resp: 174326
Ion Ratio Lower Upper
225 100
223 54.2 50.7 76.1
227 65.9 49.0 73.6





#37

2-Methylnaphthalene

Concen: 19.09 ng

RT: 12.72 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

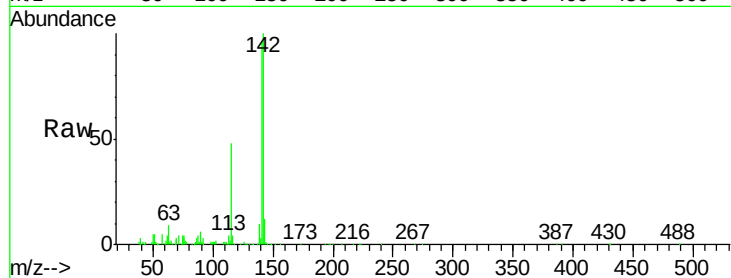
Tot Ion:142 Resp: 265387

Ion Ratio Lower Upper

142 100

141 96.4 70.4 105.6

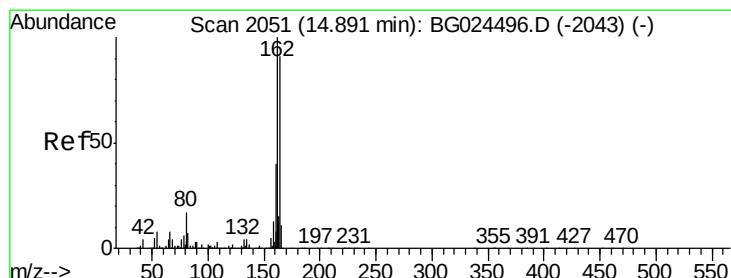
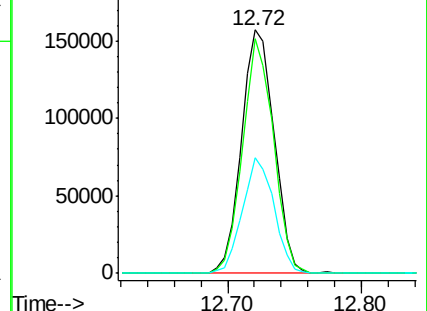
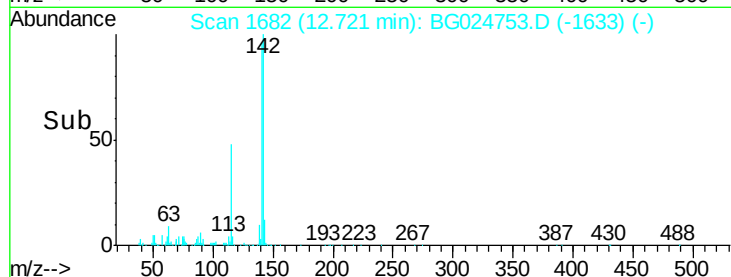
115 47.5 35.5 53.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

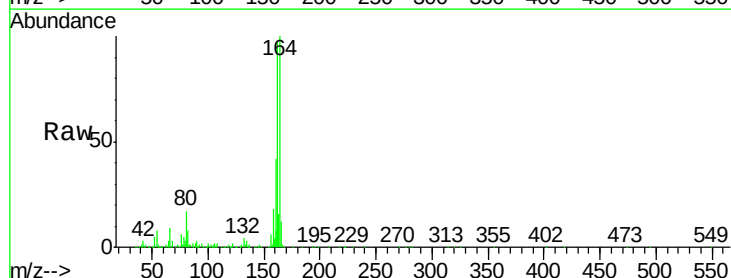
Tgt Ion:164 Resp: 305570

Ion Ratio Lower Upper

164 100

162 97.0 85.1 127.7

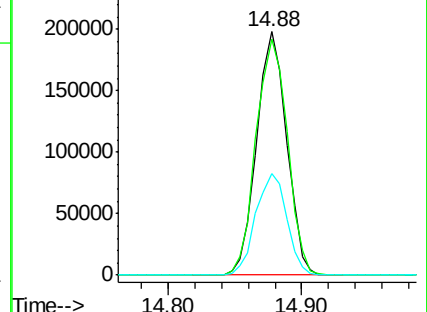
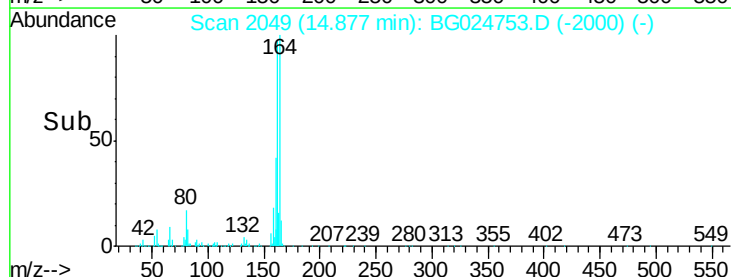
160 41.5 34.7 52.1

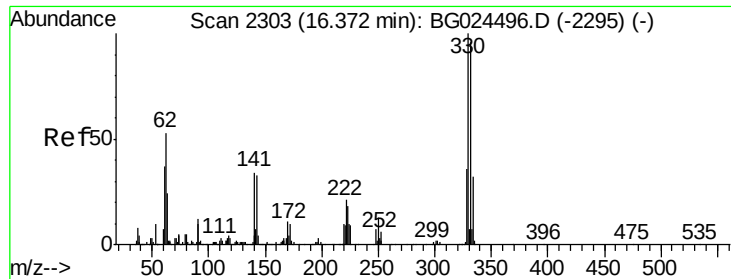


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

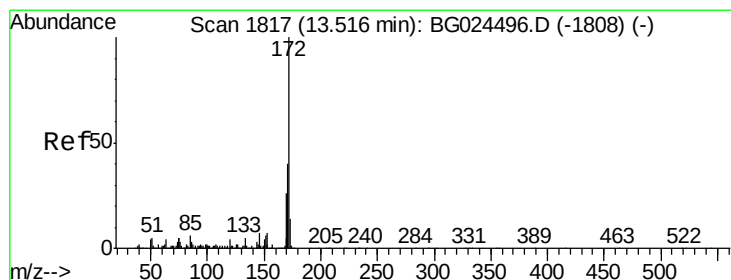
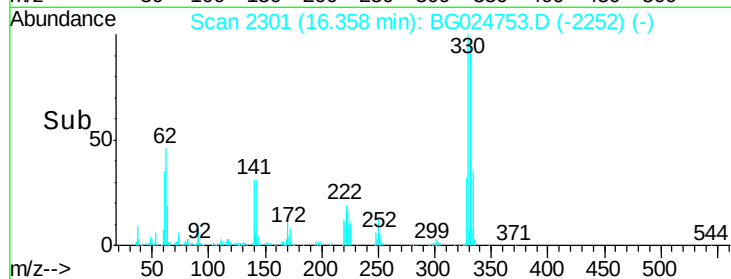
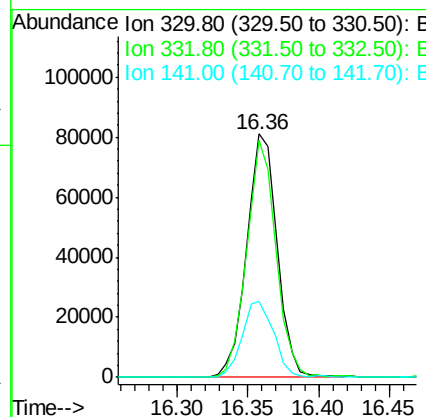
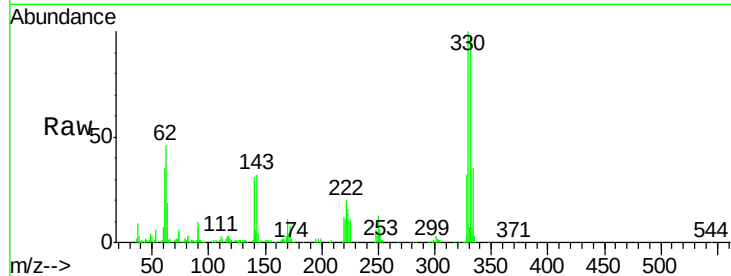




#41
2,4,6-Tribromophenol
Concen: 26.90 ng
RT: 16.36 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

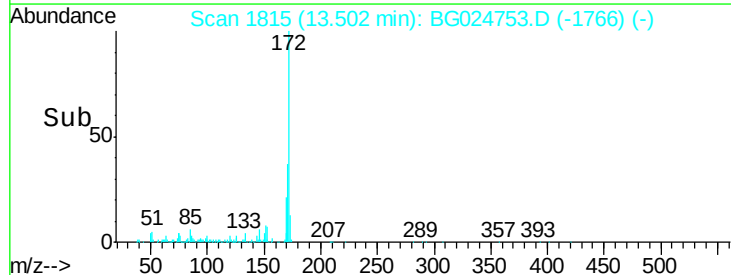
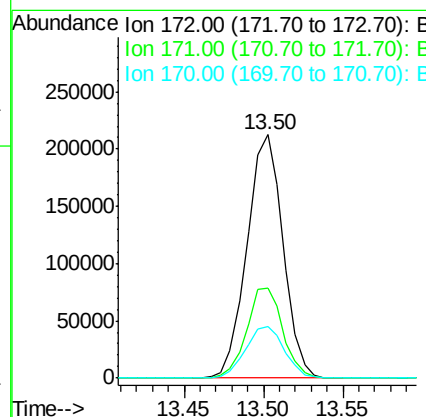
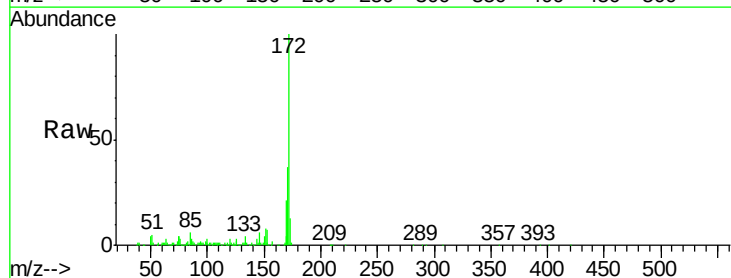
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

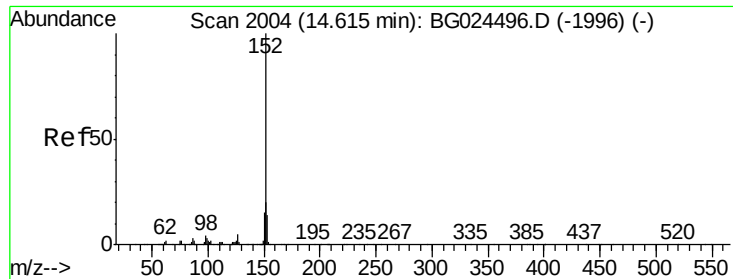
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.3	115.9
141	32.0	32.1	48.1#



#44
2-Fluorobiphenyl
Concen: 18.23 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	32.2	48.2
170	21.1	21.8	32.6#





#48

Acenaphthylene

Concen: 22.11 ng

RT: 14.60 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

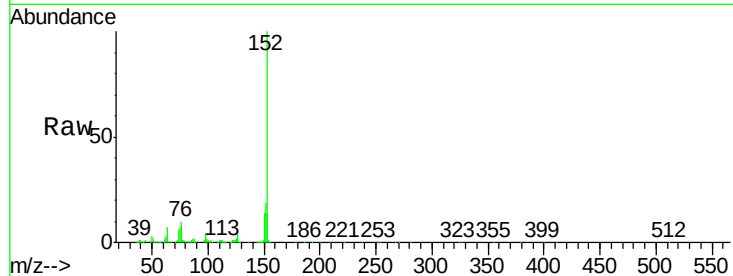
Tot Ion:152 Resp: 547532

Ion Ratio Lower Upper

152 100

151 19.0 18.2 27.2

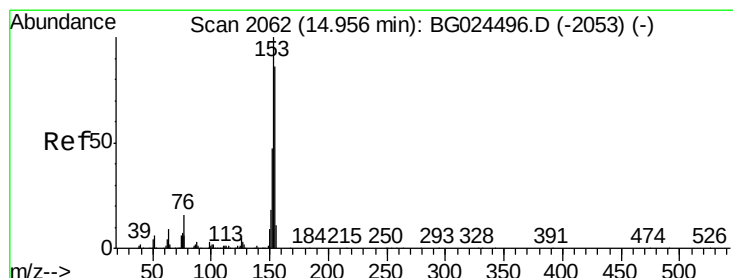
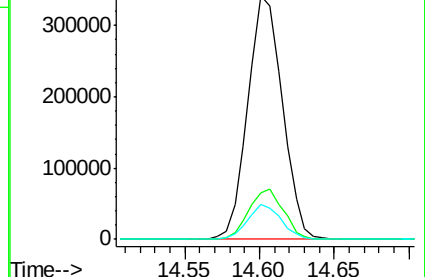
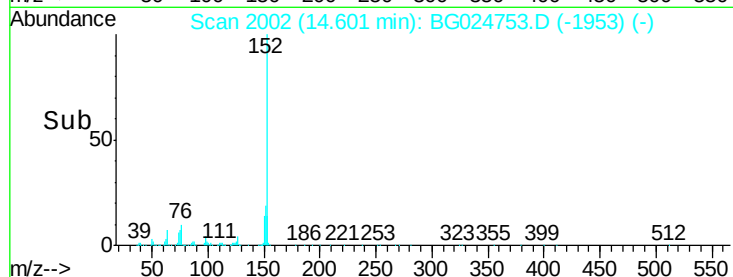
153 14.1 11.3 16.9



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



#51

Acenaphthene

Concen: 14.24 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

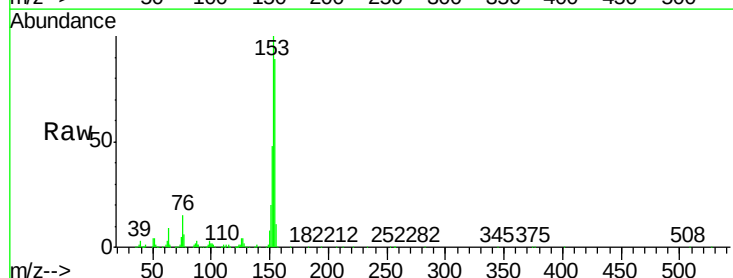
Tgt Ion:154 Resp: 262886

Ion Ratio Lower Upper

154 100

153 112.6 87.8 131.6

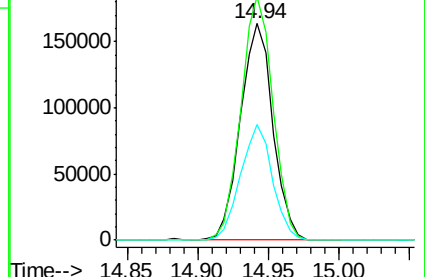
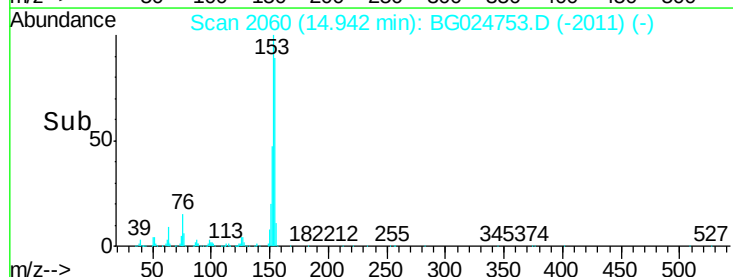
152 53.5 42.2 63.4

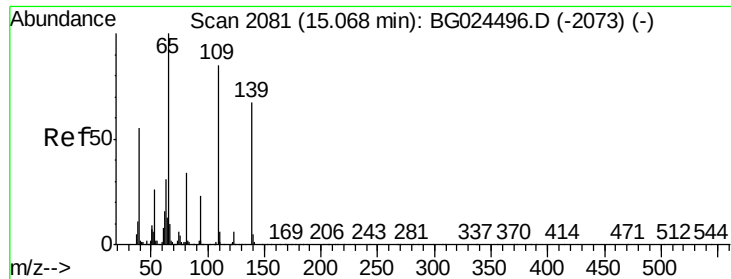


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

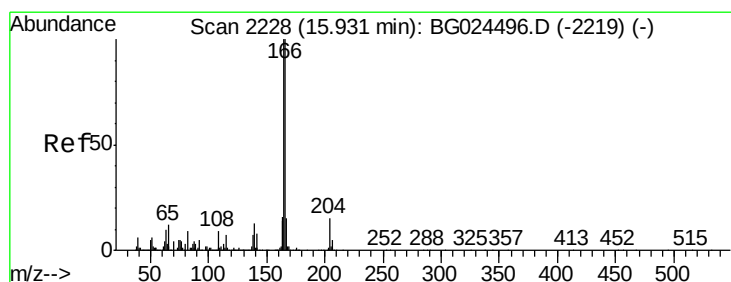
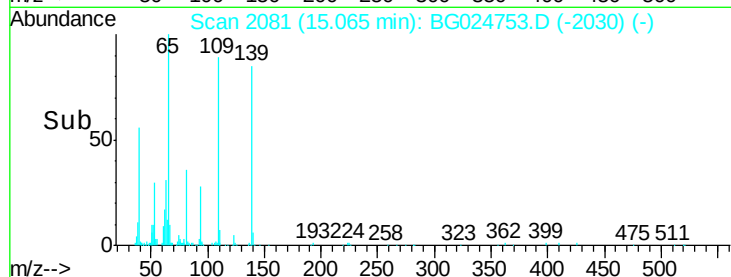
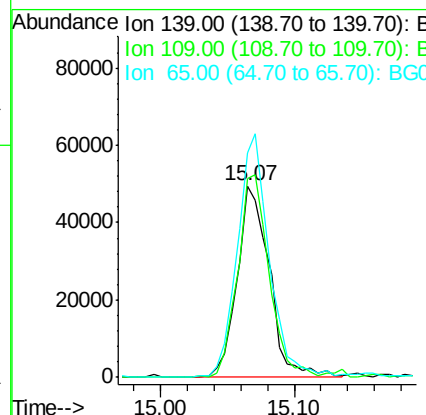
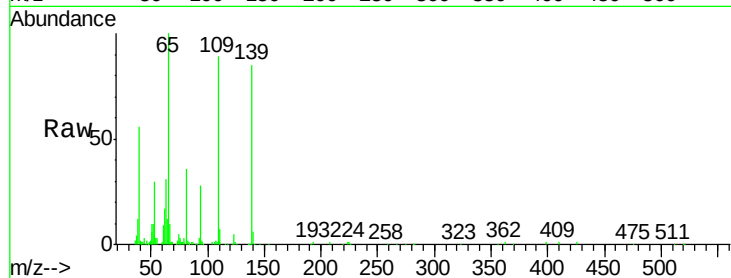




#55
4-Nitrophenol
Concen: 19.94 ng
RT: 15.07 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

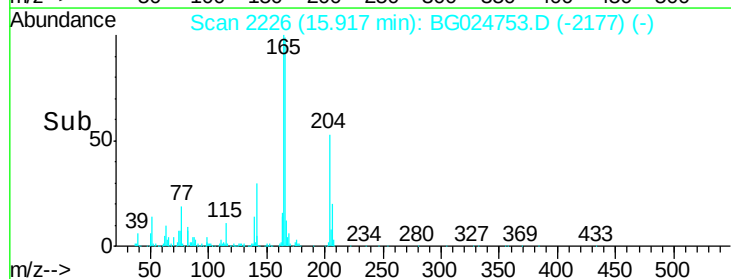
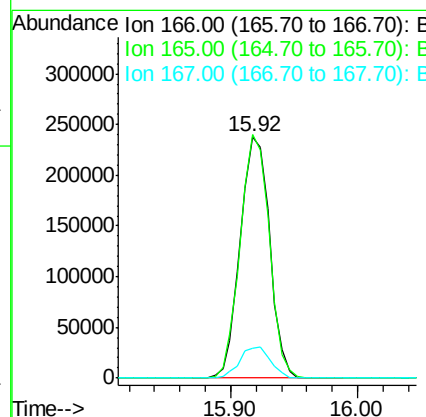
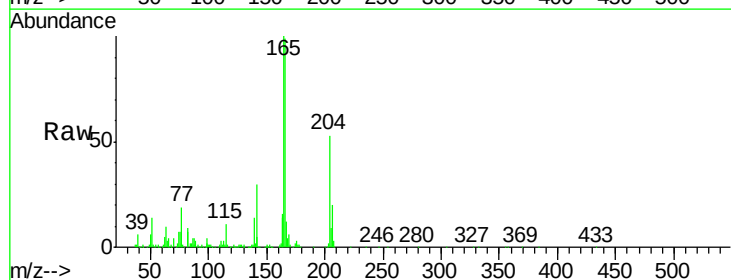
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

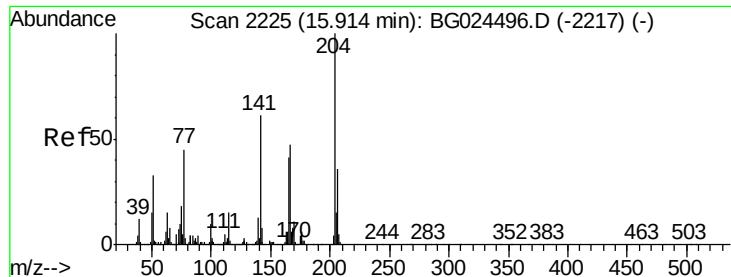
Tot Ion:139 Resp: 83255
Ion Ratio Lower Upper
139 100
109 104.1 101.2 141.2
65 117.5 135.3 175.3#



#57
Fluorene
Concen: 18.07 ng
RT: 15.92 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion:166 Resp: 382465
Ion Ratio Lower Upper
166 100
165 100.9 78.6 117.8
167 12.2 11.6 17.4

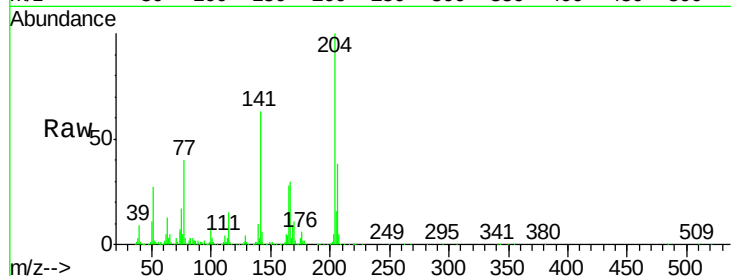




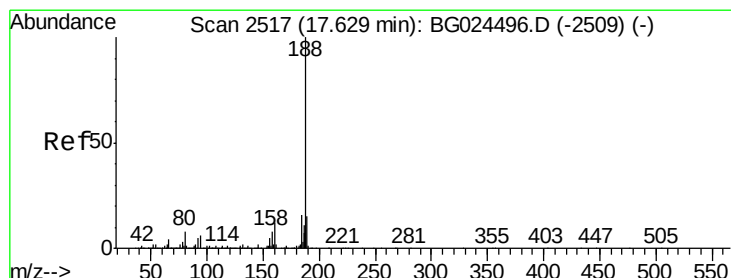
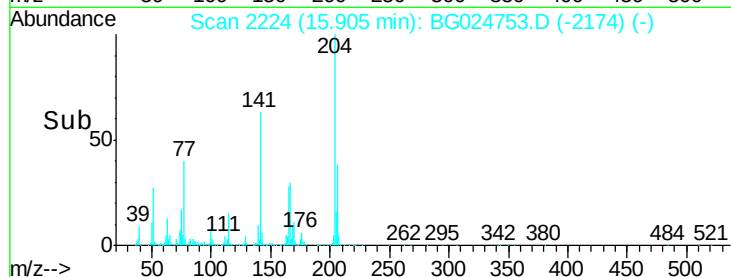
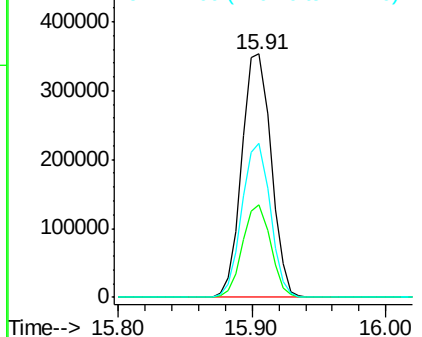
#60
4-Chlorophenyl-phenylether
Concen: 45.11 ng
RT: 15.91 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:204 Resp: 535670
Ion Ratio Lower Upper
204 100
206 37.8 30.1 45.1
141 63.3 50.6 76.0

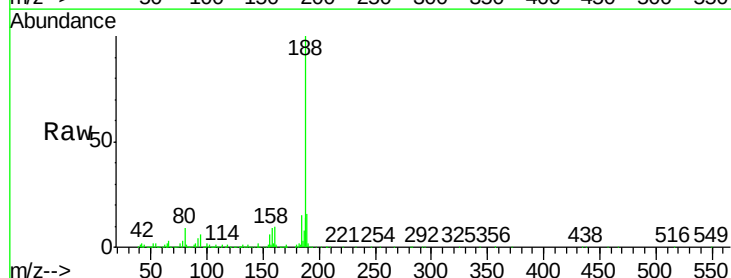


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

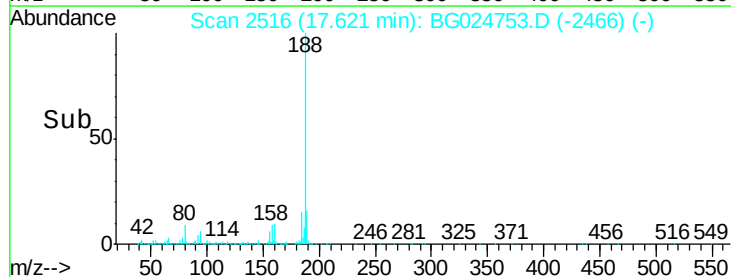
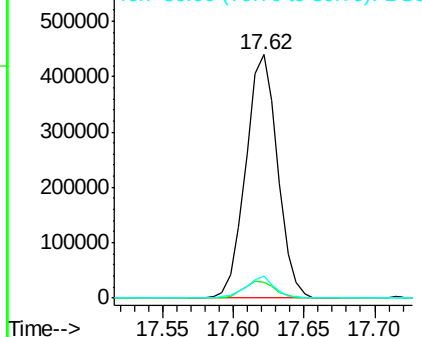


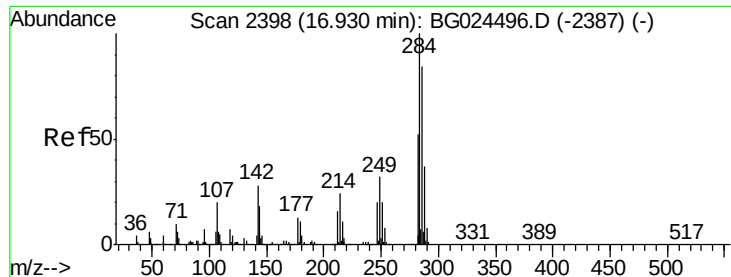
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion:188 Resp: 694838
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.8
80 9.1 7.5 11.3



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





#67

Hexachlorobenzene

Concen: 10.57 ng

RT: 16.92 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

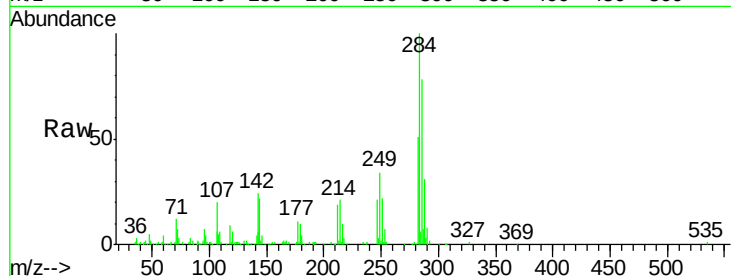
Tot Ion:284 Resp: 98521

Ion Ratio Lower Upper

284 100

142 23.8 29.9 44.9#

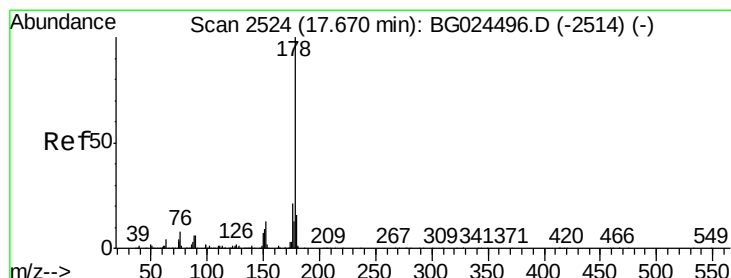
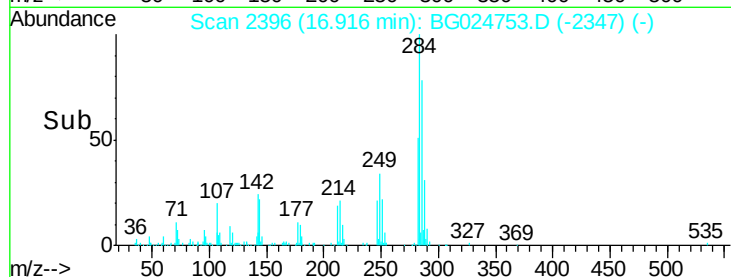
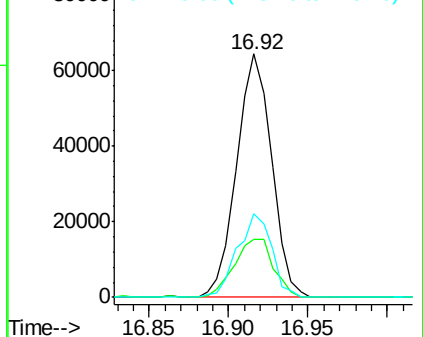
249 34.5 29.2 43.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#70

Phenanthrene

Concen: 33.58 ng

RT: 17.66 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

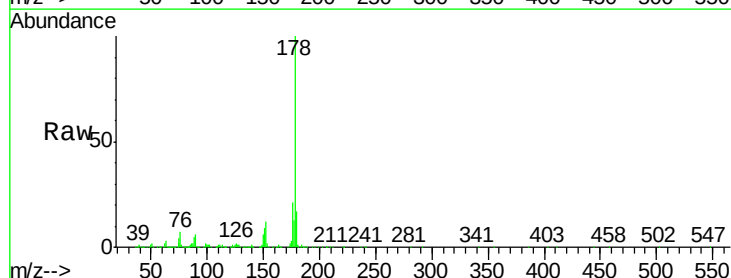
Tgt Ion:178 Resp: 1189318

Ion Ratio Lower Upper

178 100

176 20.9 17.7 26.5

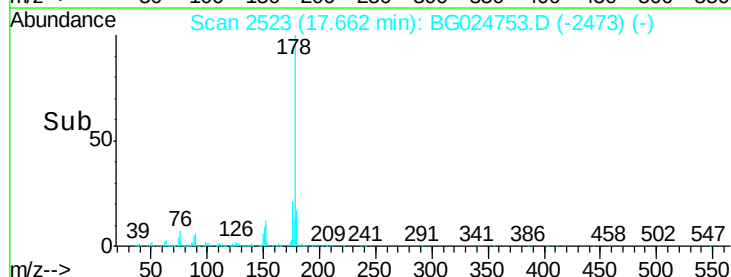
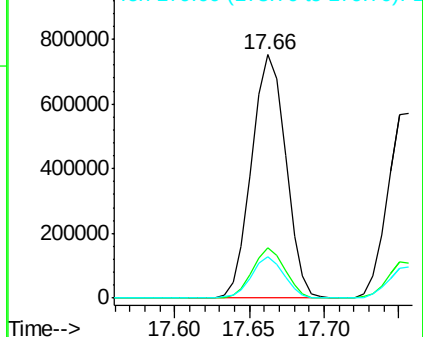
179 17.2 15.0 22.6

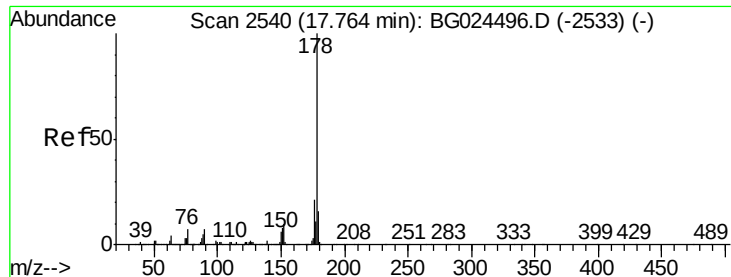


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 24.84 ng

RT: 17.76 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

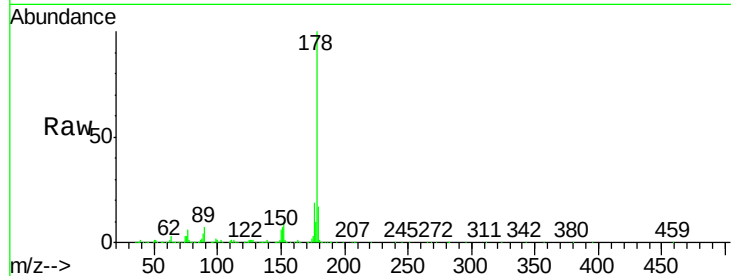
Tot Ion:178 Resp: 887546

Ion Ratio Lower Upper

178 100

176 19.0 16.4 24.6

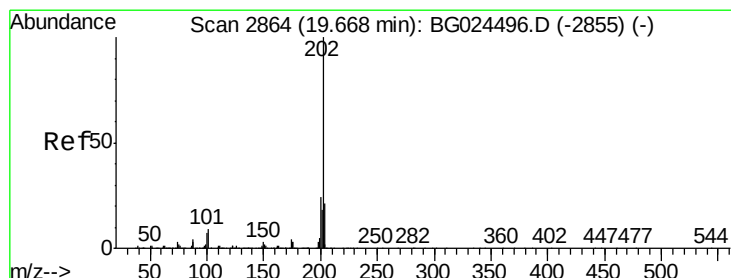
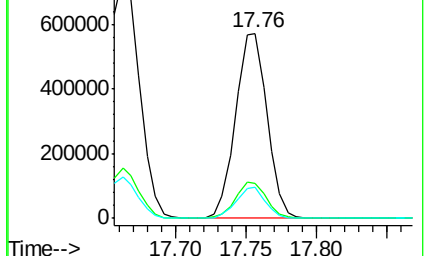
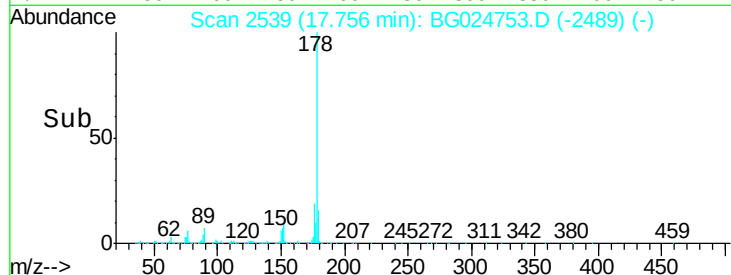
179 16.6 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 28.01 ng

RT: 19.65 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

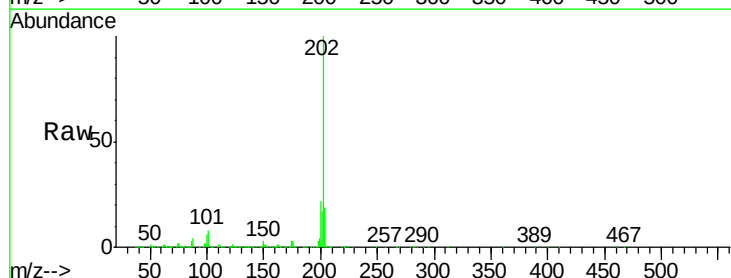
Tgt Ion:202 Resp: 1253972

Ion Ratio Lower Upper

202 100

101 7.5 0.0 30.1

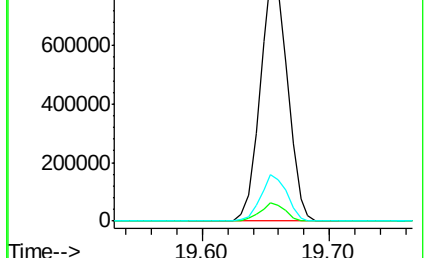
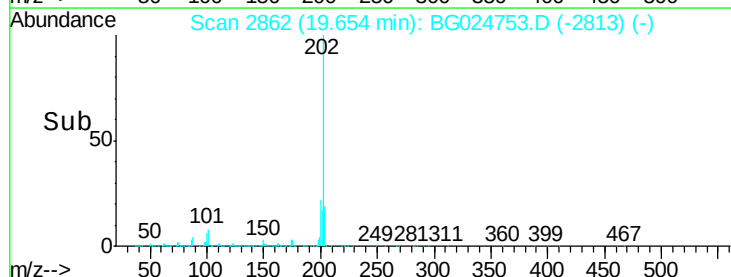
203 18.9 1.3 41.3

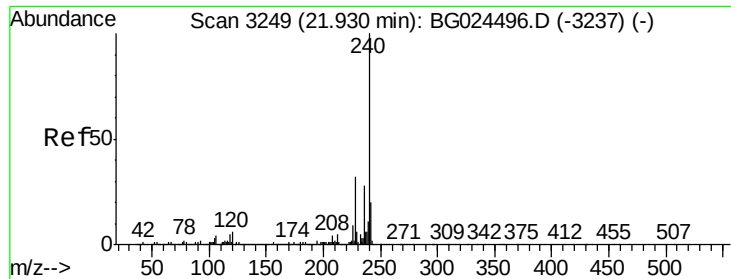


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.91 min Scan# 3246

Delta R.T. -0.02 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

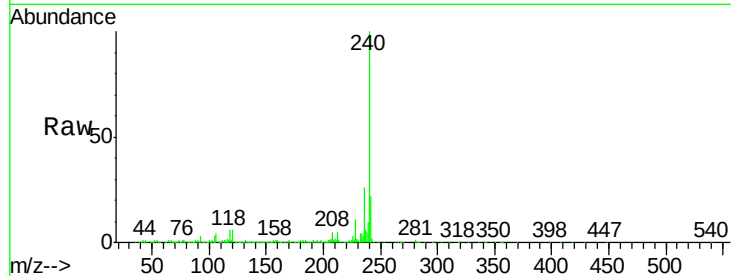
Tot Ion:240 Resp: 979288

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

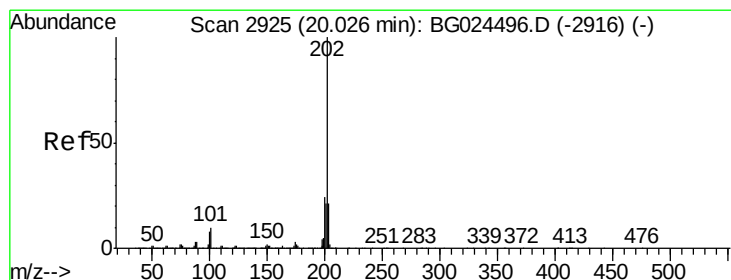
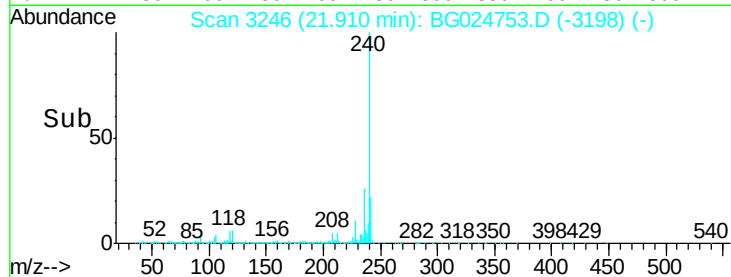
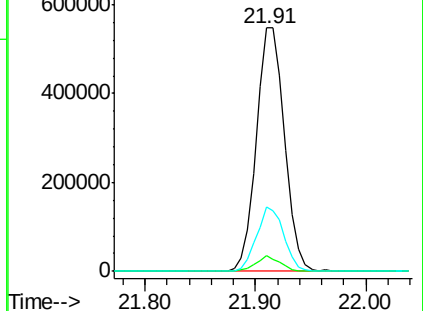
236 26.3 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.25 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

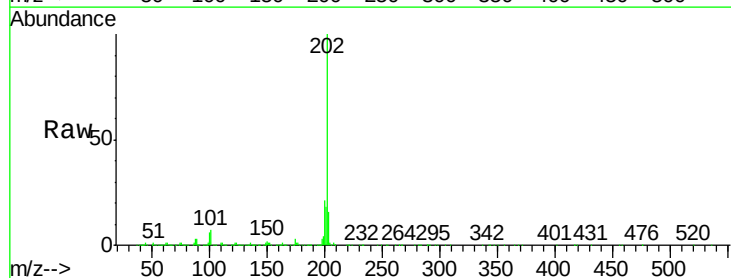
Tgt Ion:202 Resp: 921511

Ion Ratio Lower Upper

202 100

200 20.7 19.6 29.4

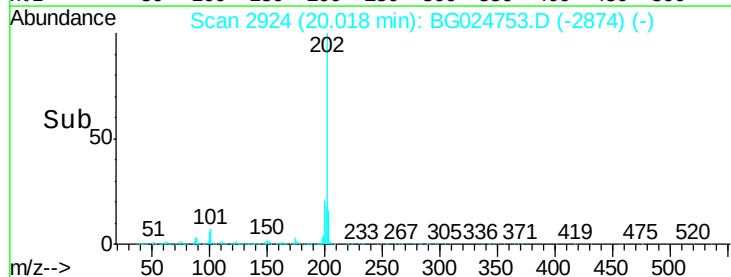
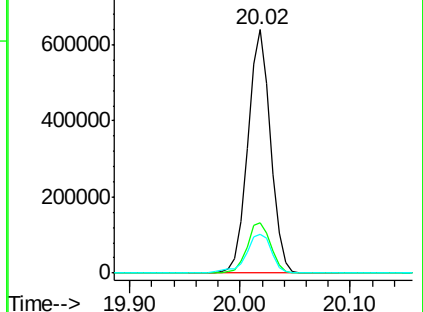
203 16.2 15.8 23.8

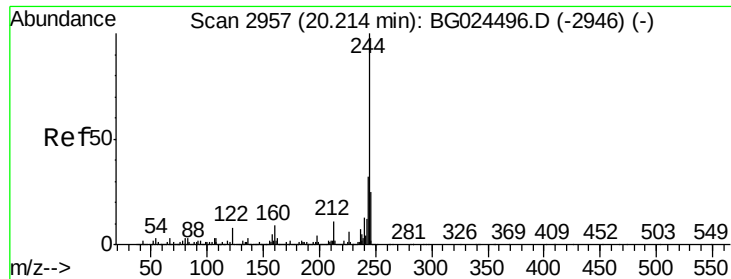


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.26 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

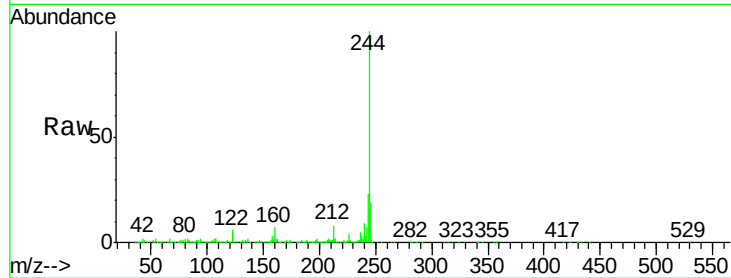
Tot Ion:244 Resp: 696860

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

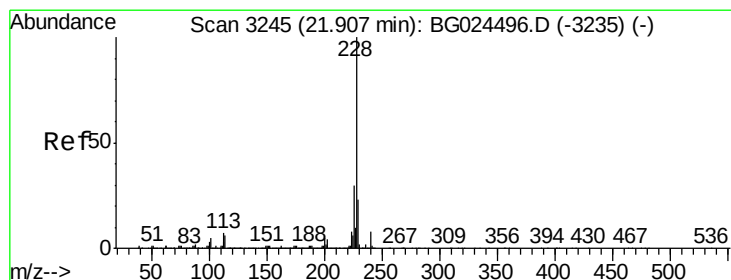
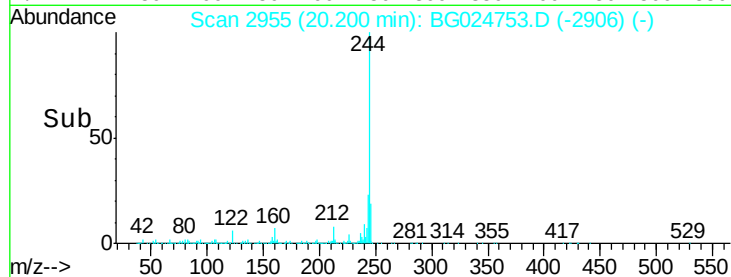
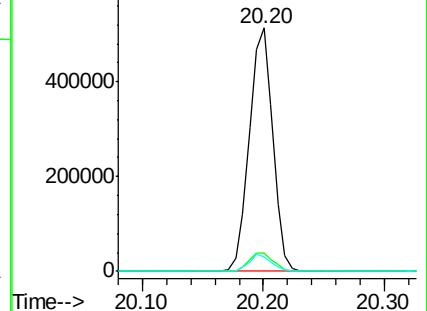
122 5.8 8.6 12.8#



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: 6.83 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

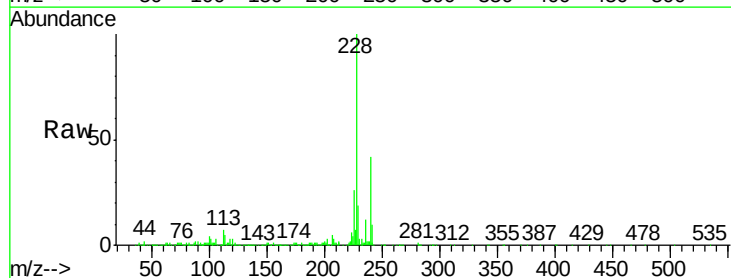
Tgt Ion:228 Resp: 367531

Ion Ratio Lower Upper

228 100

226 25.7 24.9 37.3

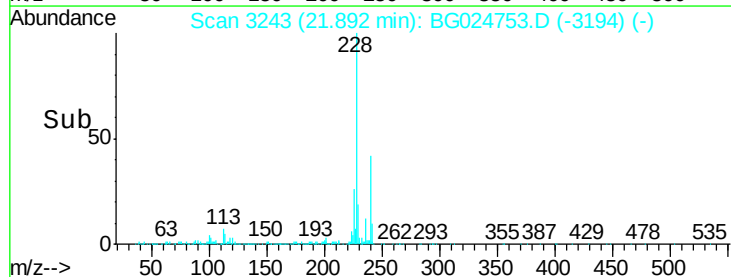
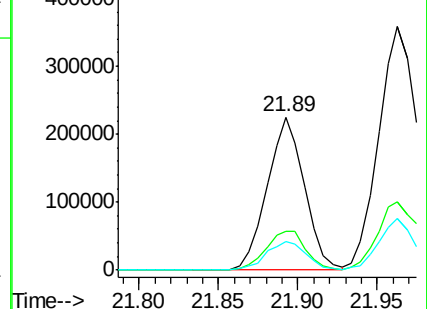
229 18.5 18.2 27.2

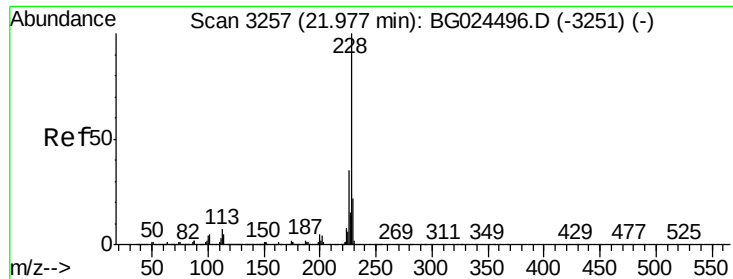


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.02 ng

RT: 21.96 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

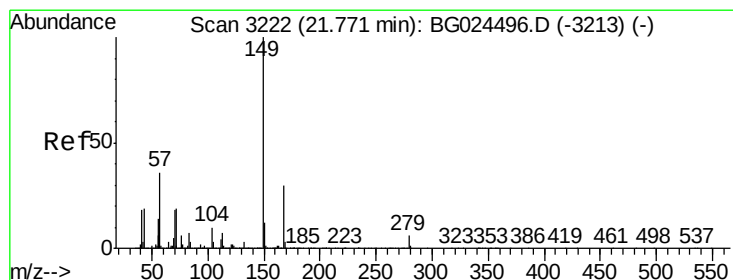
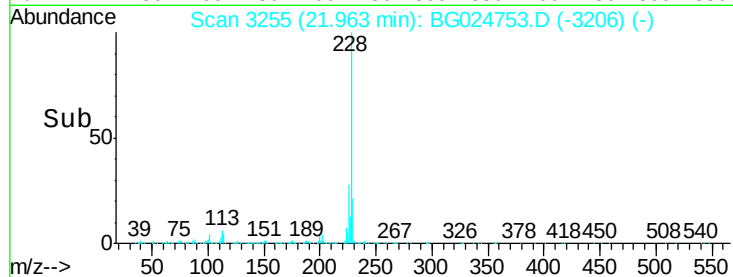
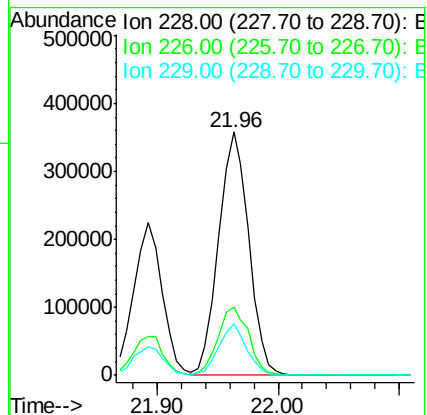
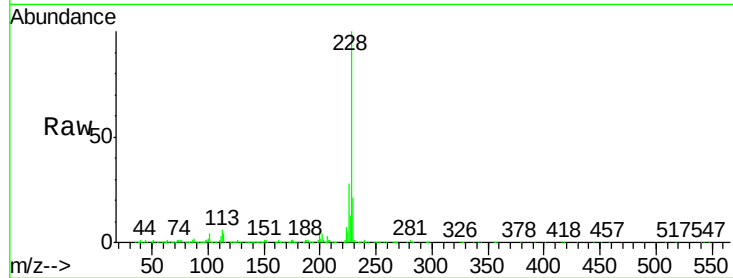
BNA_G

ClientSampleId :

PT-BNA-SOILD

Tot Ion:228 Resp: 615741

Ion	Ratio	Lower	Upper
228	100		
226	28.3	27.0	40.4
229	21.1	17.8	26.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 40.56 ng

RT: 21.75 min Scan# 3219

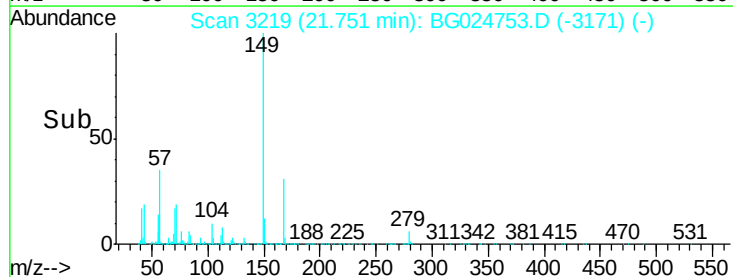
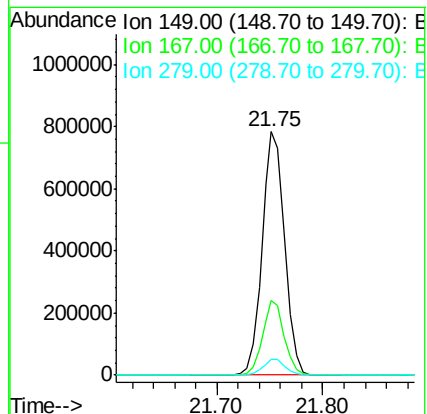
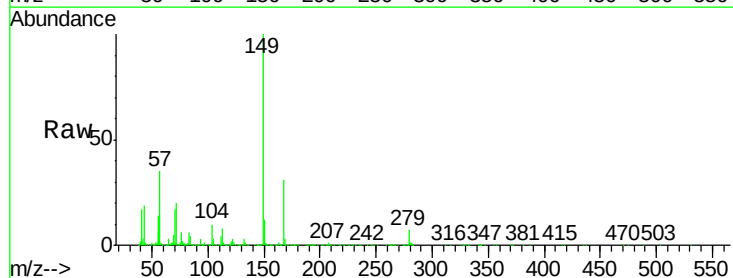
Delta R.T. -0.02 min

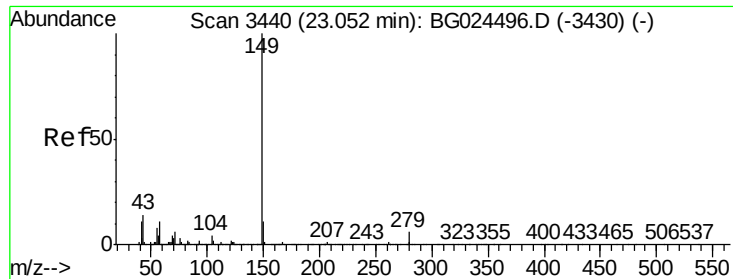
Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Tgt Ion:149 Resp: 1158089

Ion	Ratio	Lower	Upper
149	100		
167	30.7	23.7	35.5
279	6.5	4.6	6.8





#84

Di-n-octyl phthalate

Concen: 41.71 ng

RT: 23.03 min Scan# 3436

Delta R.T. -0.03 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

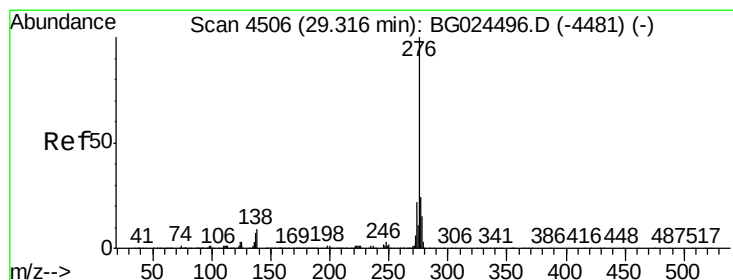
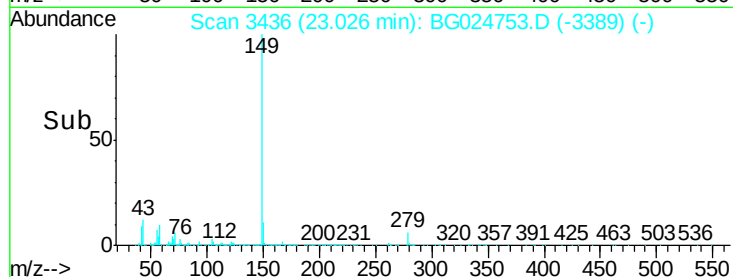
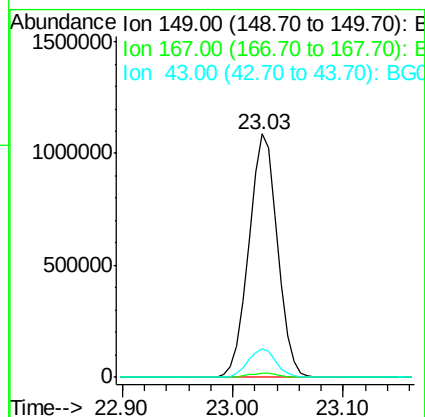
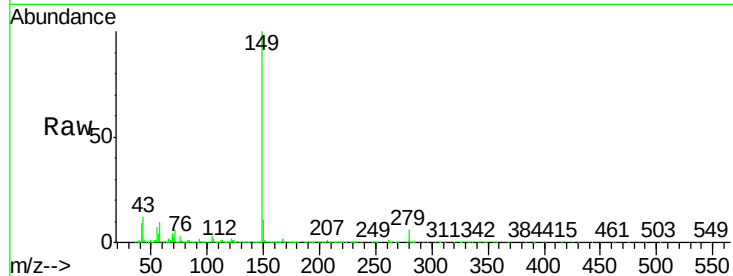
Tot Ion:149 Resp: 1976391

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.2

43 11.6 11.8 17.6#



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.53 ng

RT: 29.26 min Scan# 4497

Delta R.T. -0.06 min

Lab File: BG024753.D

Acq: 8 Nov 2016 10:47

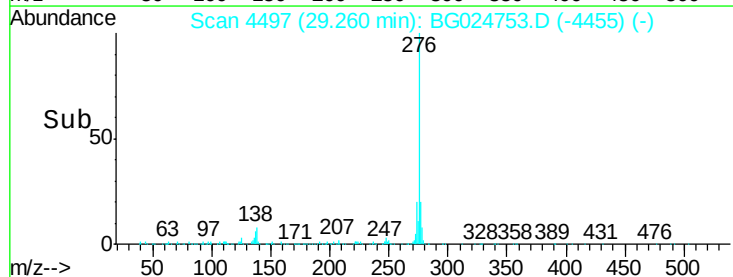
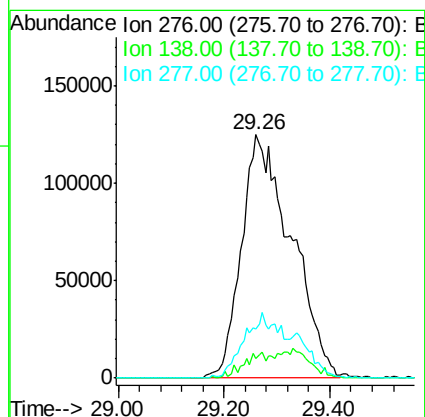
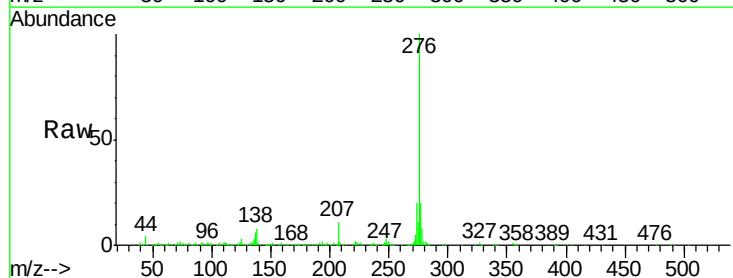
Tgt Ion:276 Resp: 815398

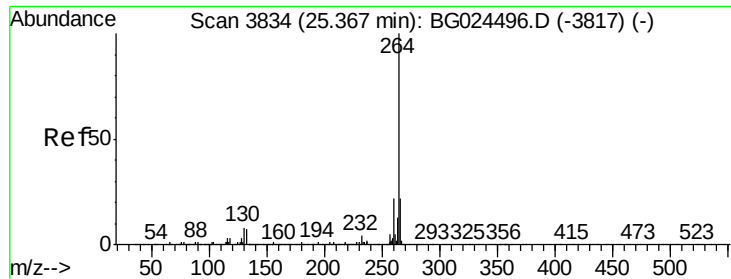
Ion Ratio Lower Upper

276 100

138 5.5 4.7 7.1

277 12.2 20.6 31.0#



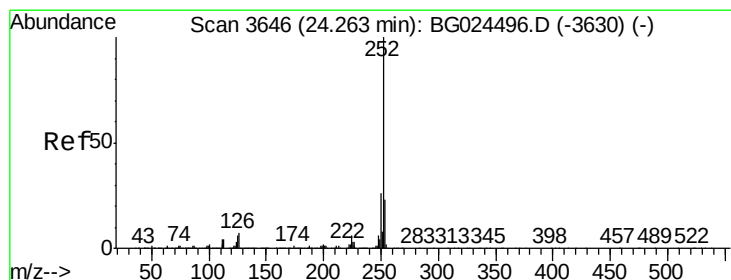
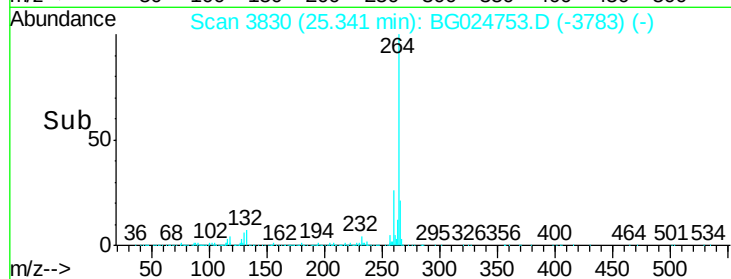
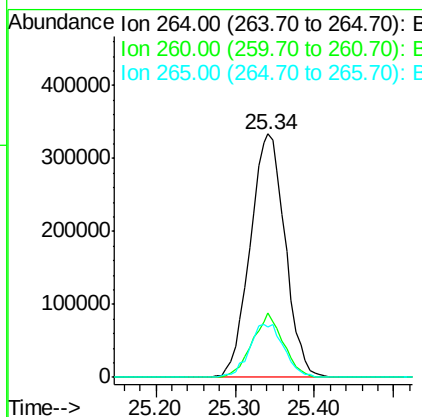
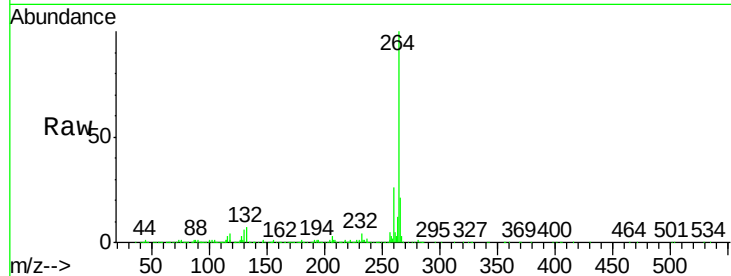


#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.34 min Scan# 3830
Delta R.T. -0.03 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:264 Resp: 1021822

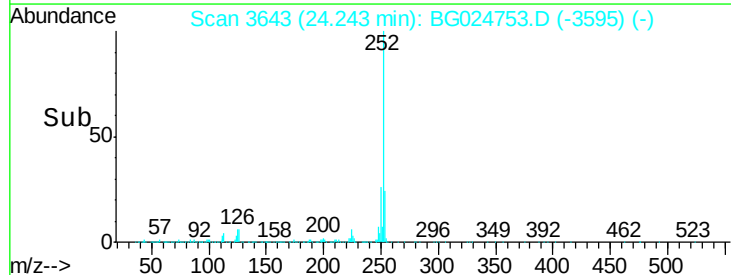
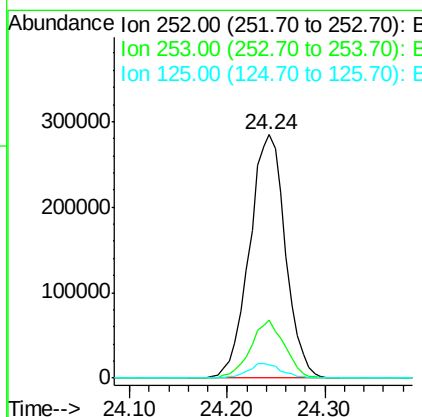
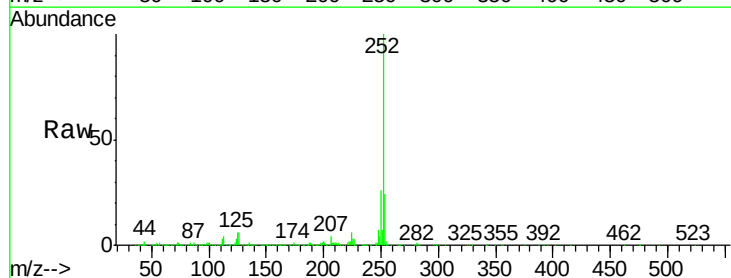
Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.8	32.8
265	20.6	18.2	27.4

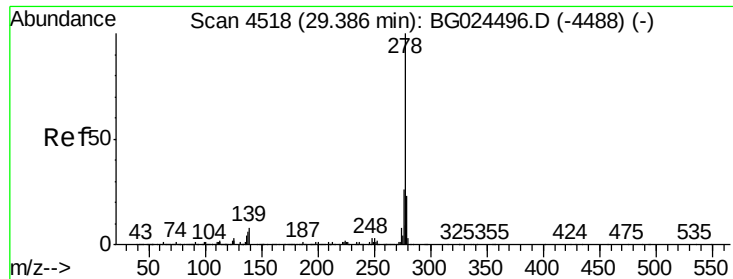


#87
Benzo(b)fluoranthene
Concen: 13.24 ng
RT: 24.24 min Scan# 3643
Delta R.T. -0.02 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion:252 Resp: 731314

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	5.6	5.3	7.9



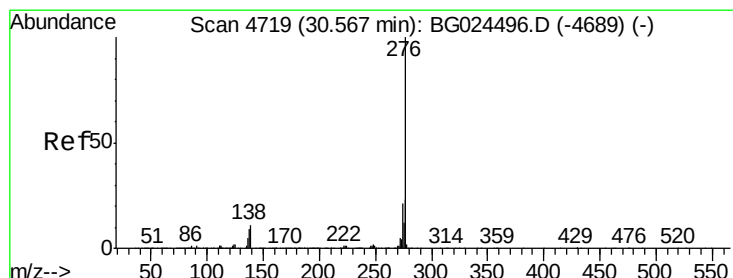
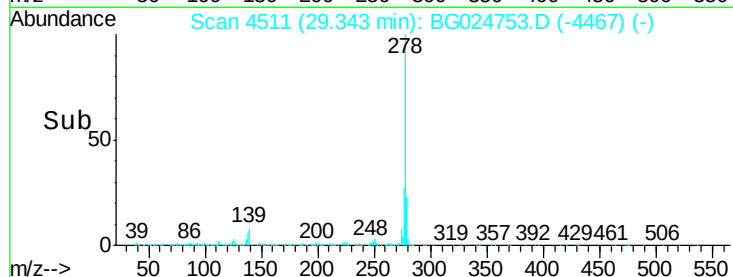
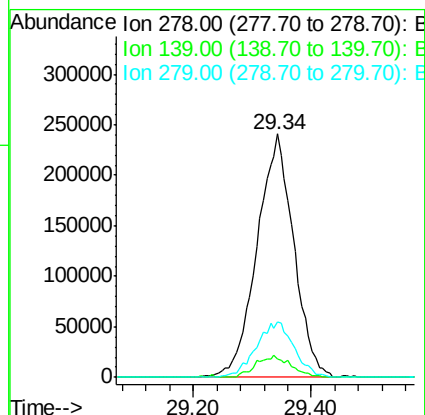
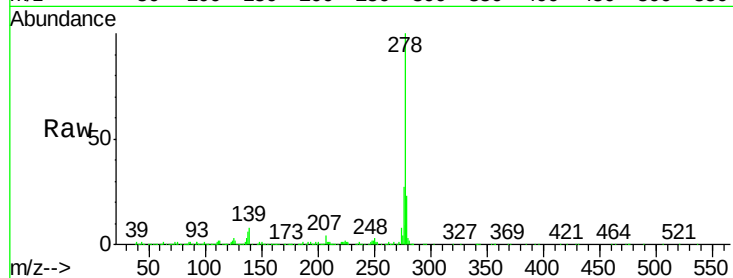


#90
Dibenzo(a,h)anthracene
Concen: 17.42 ng
RT: 29.34 min Scan# 4511
Delta R.T. -0.04 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Tot Ion:278 Resp: 1031739

Ion	Ratio	Lower	Upper
278	100		
139	7.7	7.7	11.5
279	23.0	19.1	28.7



#91
Benzo(g,h,i)perylene
Concen: 8.24 ng
RT: 30.51 min Scan# 4710
Delta R.T. -0.06 min
Lab File: BG024753.D
Acq: 8 Nov 2016 10:47

Tgt Ion:276 Resp: 487488

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.6	27.8
138	10.6	8.1	12.1

