

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
 Data File : BG016871.D
 Acq On : 5 May 2015 18:31
 Operator : TP/IZ
 Sample : G2078-15DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 06 02:37:27 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 16:13:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	70339	20.00	ng	0.00
21) Naphthalene-d8	10.60	136	311499	20.00	ng	0.00
38) Acenaphthene-d10	14.44	164	215419	20.00	ng	0.00
63) Phenanthrene-d10	17.19	188	476646	20.00	ng	0.00
75) Chrysene-d12	21.37	240	493656	20.00	ng	0.00
86) Perylene-d12	23.67	264	485875	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	92948	23.01	ng	0.00
7) Phenol-d6	6.96	99	132364	22.93	ng	0.00
23) Nitrobenzene-d5	8.96	82	86983	13.64	ng	0.00
41) 2,4,6-Tribromophenol	15.93	330	47444	21.94	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	205678	14.41	ng	0.00
78) Terphenyl-d14	19.81	244	311504	14.79	ng	0.00

Target Compounds				Qvalue		
8) 2-Chlorophenol	7.36	128	171648	36.68	ng	97
10) Phenol	6.99	94	197157	31.86	ng	97
12) 1,3-Dichlorobenzene	7.69	146	162816	31.55	ng	99
13) 1,4-Dichlorobenzene	7.84	146	75766	14.50	ng	93
18) Hexachloroethane	8.89	117	26610	12.38	ng	99
20) 3+4-Methylphenols	8.56	107	38102	6.34	ng	88
25) Isophorone	9.53	82	539230	41.88	ng	98
26) 2-Nitrophenol	9.71	139	52294	19.95	ng	97
30) 1,2,4-Trichlorobenzene	10.46	180	185375	39.00	ng	99
31) Naphthalene	10.65	128	458214	29.57	ng	100
36) 4-Chloro-3-methylphenol	11.88	107	179141	31.21	ng	98
37) 2-Methylnaphthalene	12.26	142	164678	13.95	ng	97
42) 2,4,6-Trichlorophenol	12.87	196	65163	15.79	ng	93
43) 2,4,5-Trichlorophenol	12.93	196	113017	25.80	ng	98
48) Acenaphthylene	14.16	152	316762	14.89	ng	99
51) Acenaphthene	14.51	154	420655	33.22	ng	93
57) Fluorene	15.49	166	207987	13.07	ng	100
59) Diethylphthalate	15.27	149	421595	24.83	ng	97
60) 4-Chlorophenyl-phenylether	15.49	204	263806	32.99	ng	97
66) 4-Bromophenyl-phenylether	16.38	248	135854	28.40	ng	93
69) Pentachlorophenol	16.83	266	61299	18.71	ng	95
70) Phenanthrene	17.23	178	166911	6.80	ng	99
71) Anthracene	17.32	178	724359	29.27	ng	98
73) Di-n-butylphthalate	18.16	149	422298	13.85	ng	99
74) Fluoranthene	19.24	202	568876	19.99	ng	99
77) Pyrene	19.61	202	451254	15.49	ng	98
79) Butylbenzylphthalate	20.51	149	385576	27.84	ng	99
80) Benzo(a)anthracene	21.35	228	437222	16.51	ng	98
82) Chrysene	21.40	228	192933	7.78	ng	96
83) Bis(2-ethylhexyl)phthalate	21.29	149	340712	17.99	ng	98
84) Di-n-octyl phthalate	22.19	149	558115	17.54	ng	# 100
88) Benzo(k)fluoranthene	23.02	252	845125	32.46	ng	99
89) Benzo(a)pyrene	23.57	252	214067	8.48	ng	98

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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
PT-BNA-SOILDL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 05 16:13:58 2015
Response via : Initial Calibration

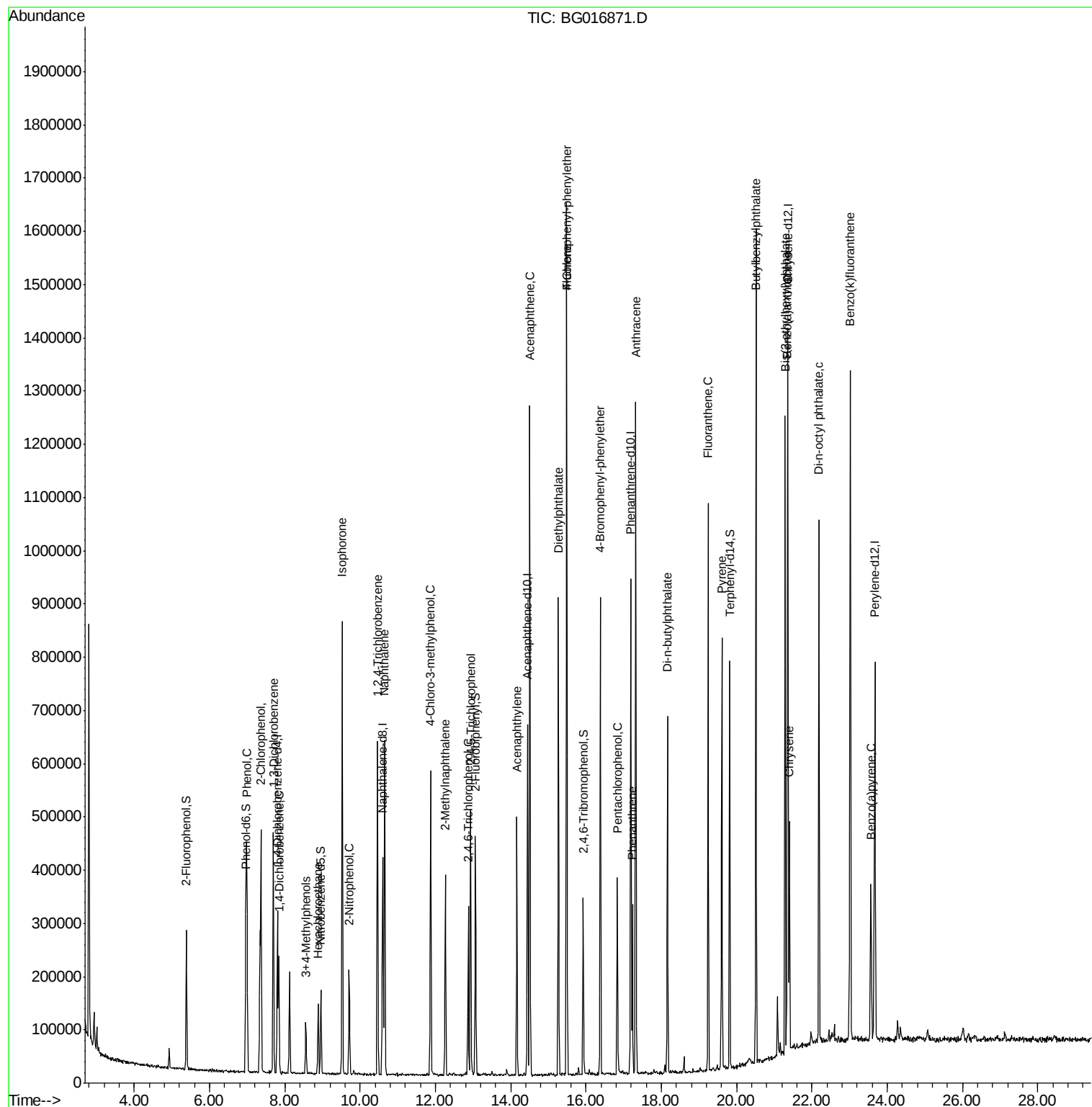
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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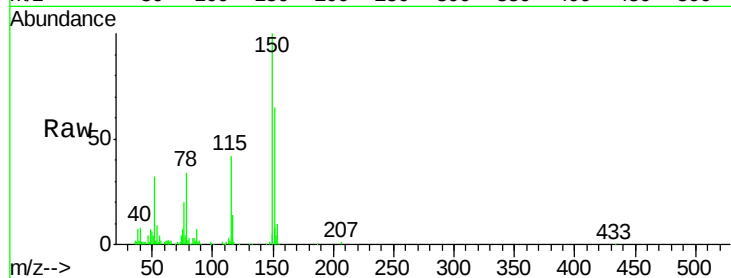


#1

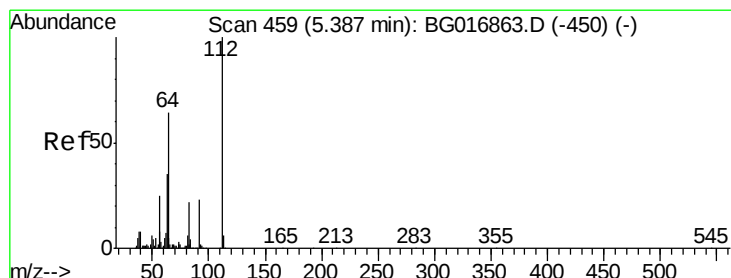
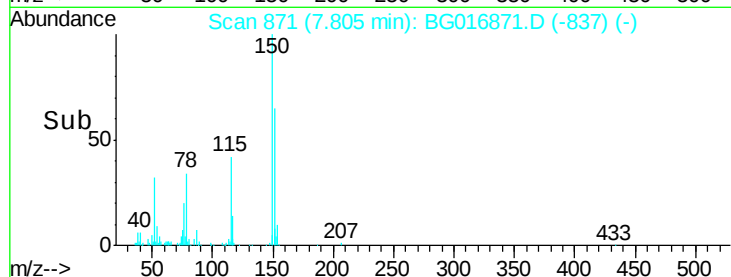
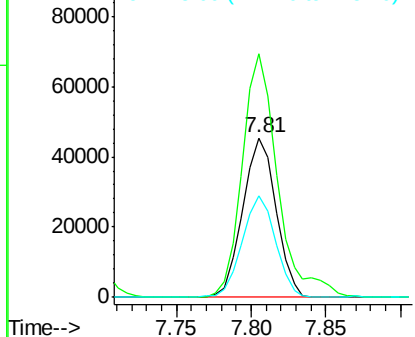
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.81 min Scan# 871
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

Tot Ion:152 Resp: 70339
Ion Ratio Lower Upper
152 100
150 152.8 121.0 181.4
115 63.6 50.5 75.7



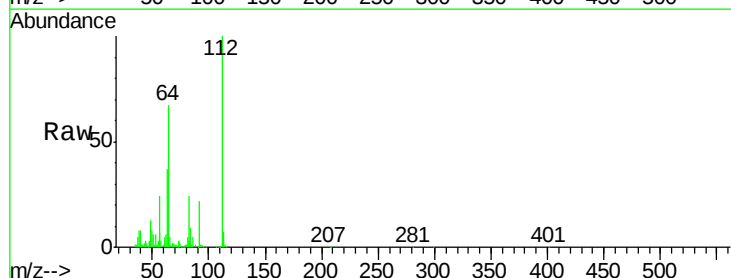
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



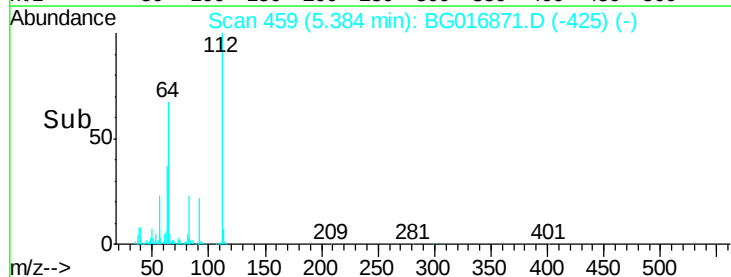
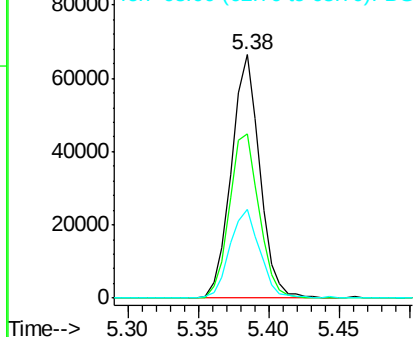
#5

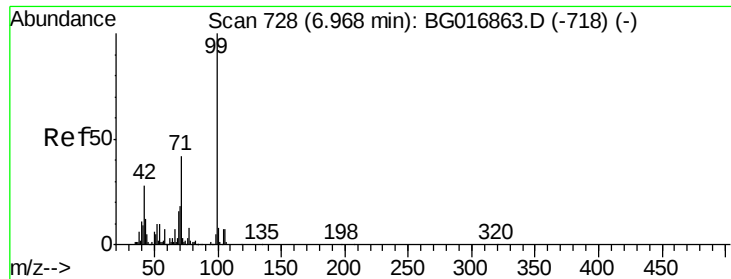
2-Fluorophenol
Concen: 23.01 ng
RT: 5.38 min Scan# 459
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion:112 Resp: 92948
Ion Ratio Lower Upper
112 100
64 67.3 51.4 77.2
63 36.6 28.1 42.1



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





#7

Phenol-d6

Concen: 22.93 ng

RT: 6.96 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

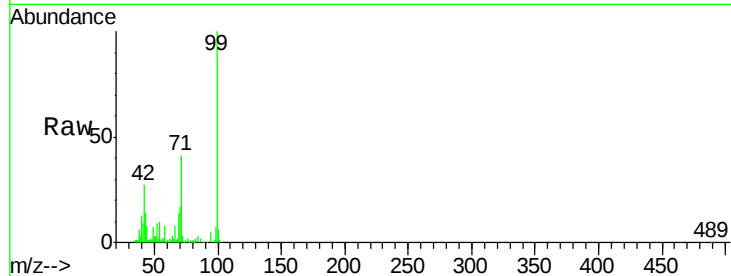
Tot Ion: 99 Resp: 132364

Ion Ratio Lower Upper

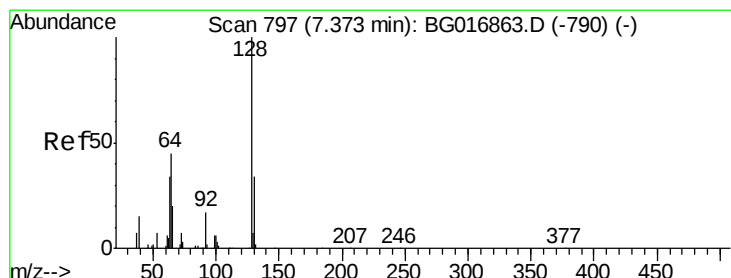
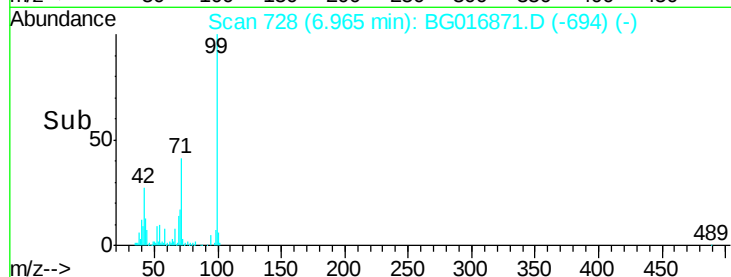
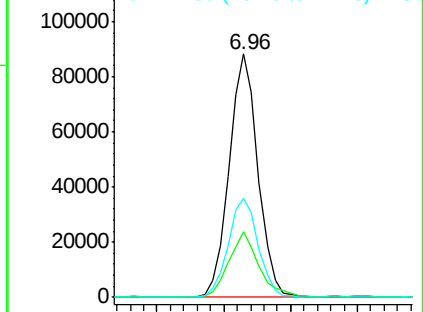
99 100

42 26.8 22.1 33.1

71 40.8 33.4 50.0



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: 36.68 ng

RT: 7.36 min Scan# 796

Delta R.T. -0.01 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

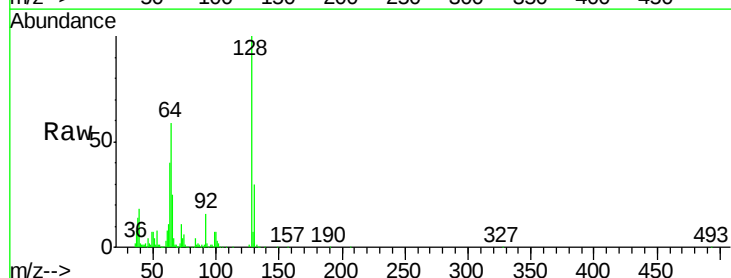
Tgt Ion: 128 Resp: 171648

Ion Ratio Lower Upper

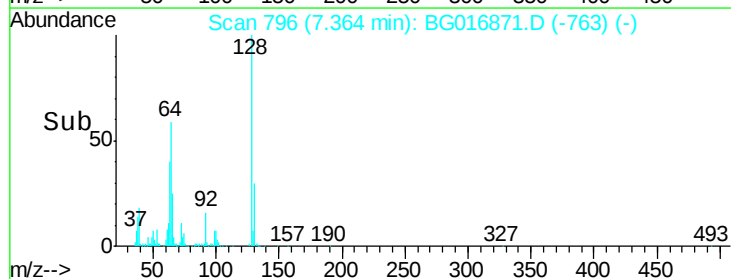
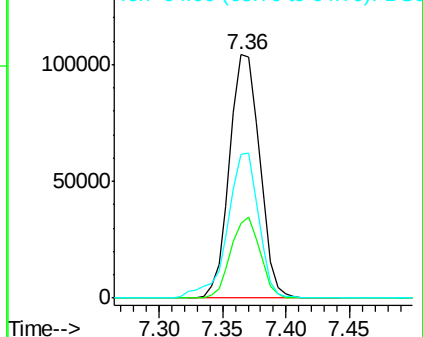
128 100

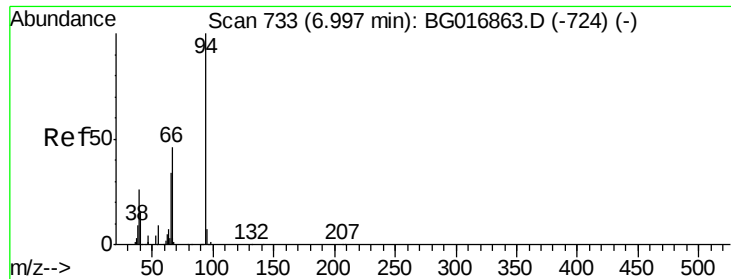
130 30.4 14.4 54.4

64 59.0 38.4 78.4



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: 31.86 ng

RT: 6.99 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

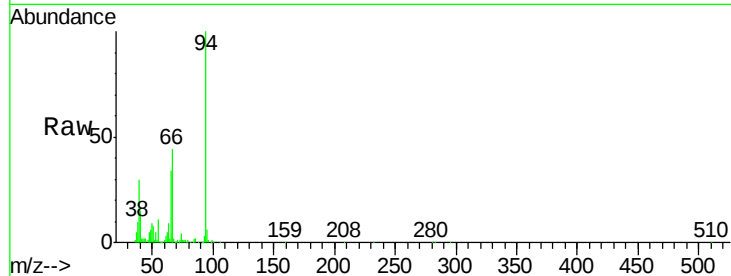
BNA_G

ClientSampleId :

PT-BNA-SOILDL

Tot Ion: 94 Resp: 197157

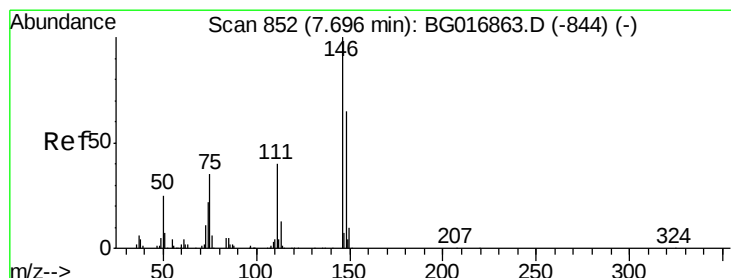
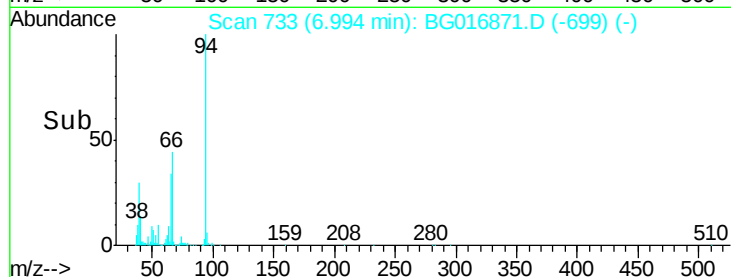
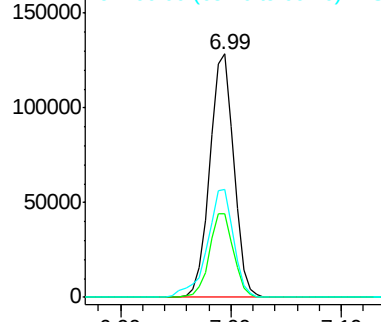
Ion	Ratio	Lower	Upper
94	100		
65	34.1	14.3	54.3
66	44.1	26.9	66.9



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#12

1,3-Dichlorobenzene

Concen: 31.55 ng

RT: 7.69 min Scan# 852

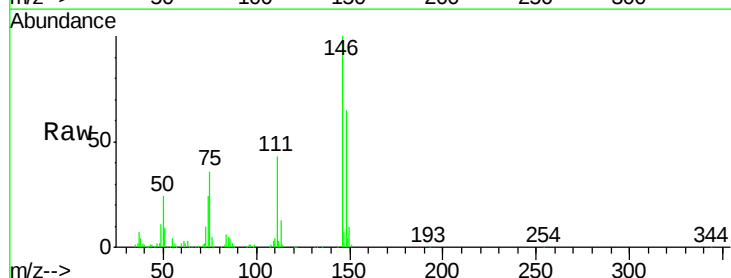
Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Tgt Ion: 146 Resp: 162816

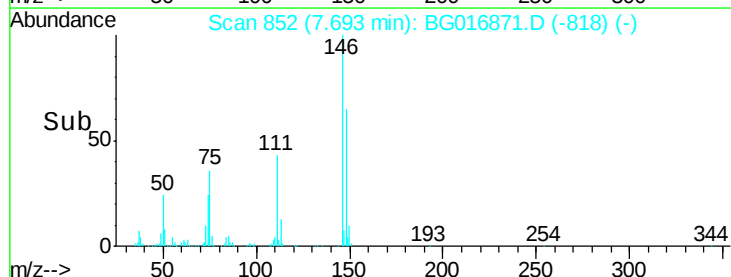
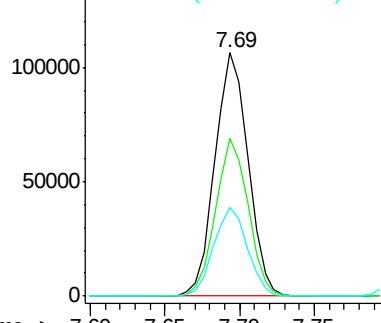
Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.9	77.9
75	36.3	28.2	42.2

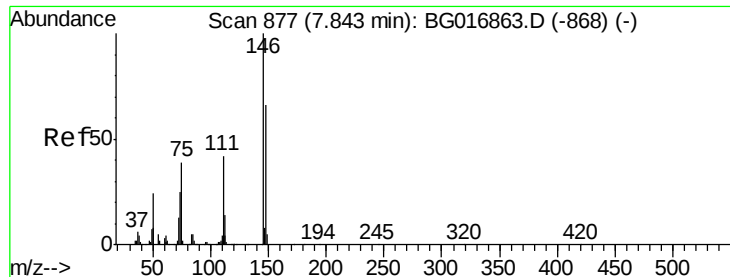


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC

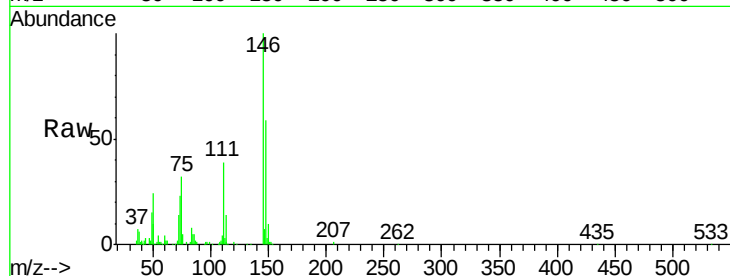




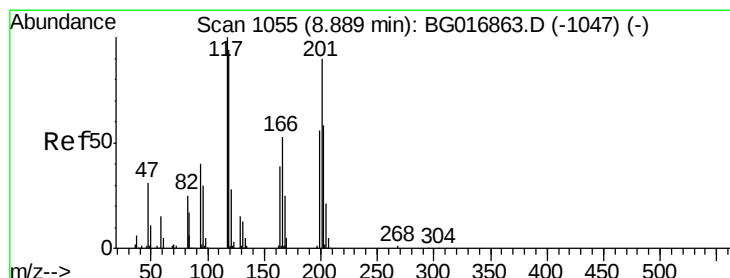
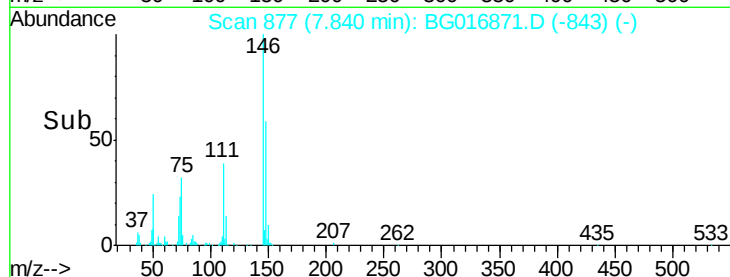
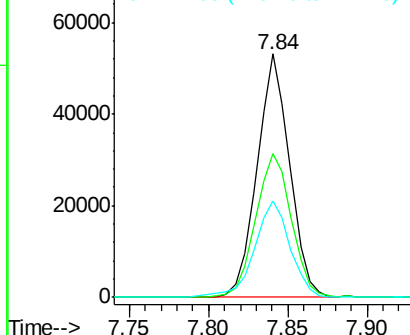
#13
 1,4-Dichlorobenzene
 Concen: 14.50 ng
 RT: 7.84 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion:146 Resp: 75766
 Ion Ratio Lower Upper
 146 100
 148 59.0 52.8 79.2
 111 39.5 33.9 50.9

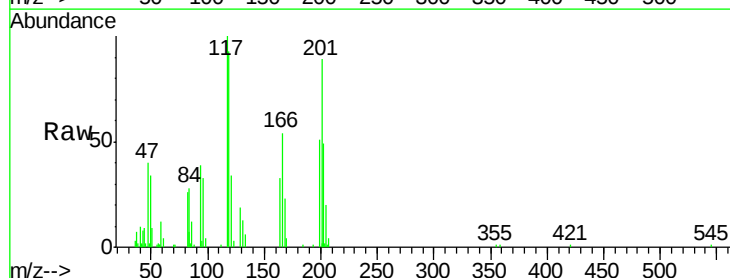


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

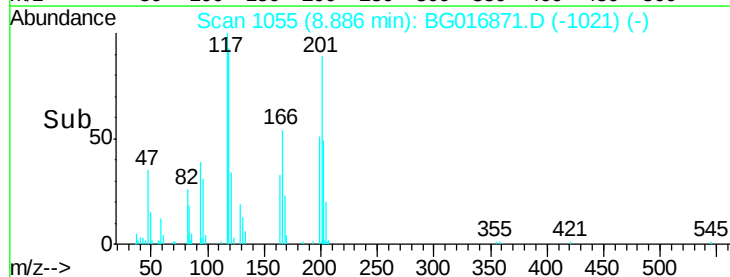
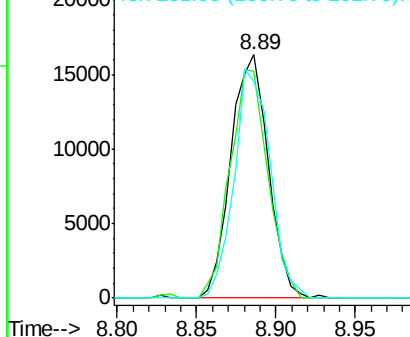


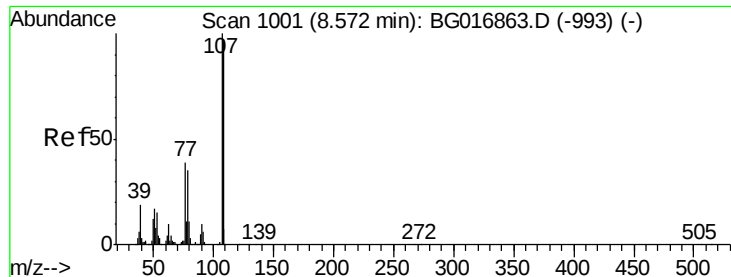
#18
 Hexachloroethane
 Concen: 12.38 ng
 RT: 8.89 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

Tgt Ion:117 Resp: 26610
 Ion Ratio Lower Upper
 117 100
 119 93.5 74.8 112.2
 201 91.2 72.1 108.1



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





#20

3+4-Methylphenols

Concen: 6.34 ng

RT: 8.56 min Scan# 999

Delta R.T. -0.01 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

Tot Ion:107 Resp: 38102

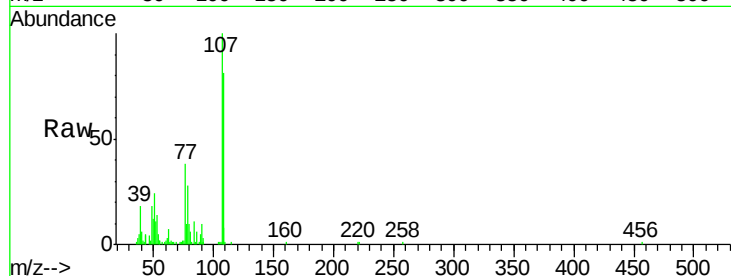
Ion Ratio Lower Upper

107 100

108 80.8 76.6 116.6

77 37.9 19.0 59.0

79 27.6 15.0 55.0

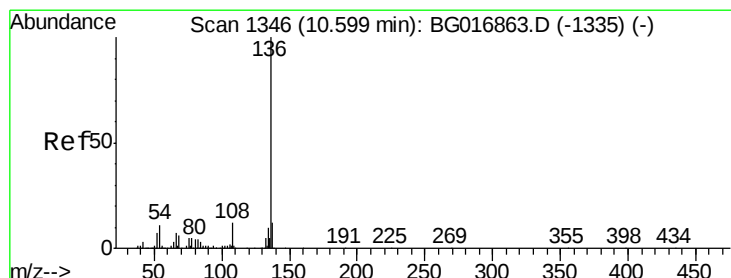
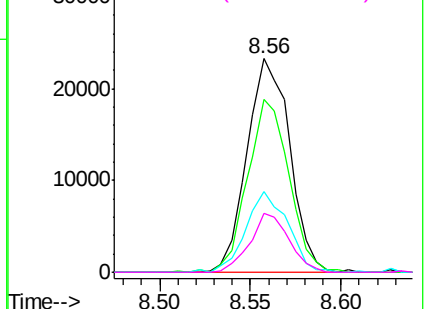
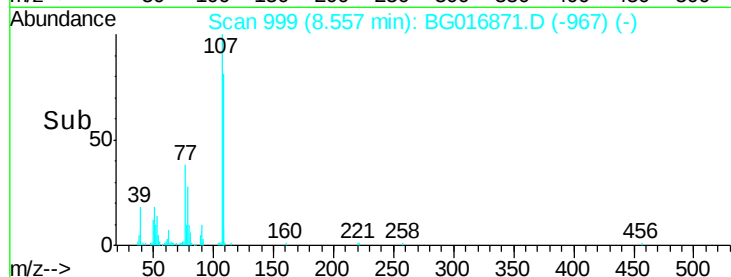


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.60 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Tgt Ion:136 Resp: 311499

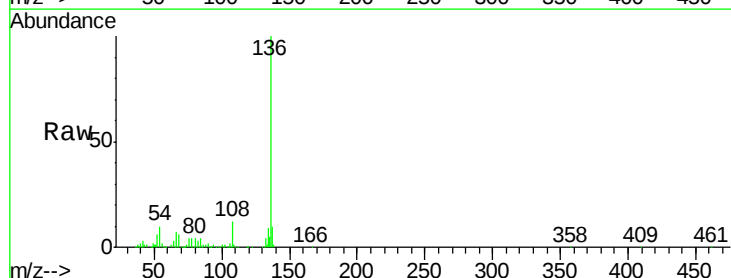
Ion Ratio Lower Upper

136 100

137 9.6 9.8 14.8#

54 9.7 8.7 13.1

68 6.2 5.0 7.4

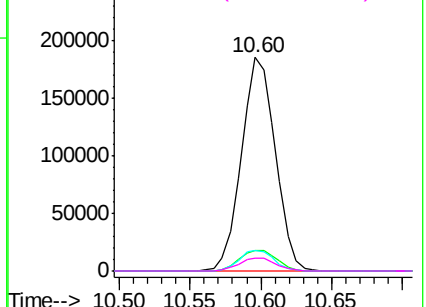
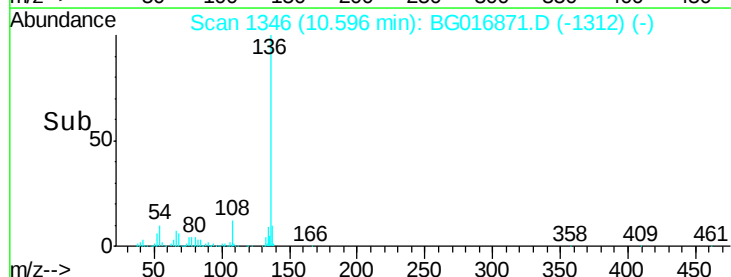


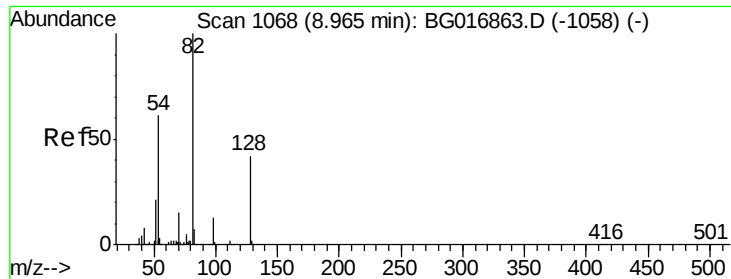
Abundance Ion 136.00 (135.70 to 136.70): E

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

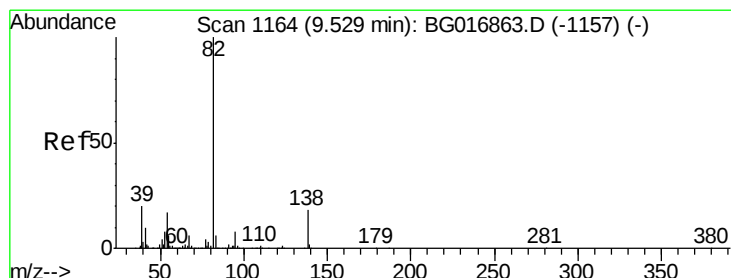
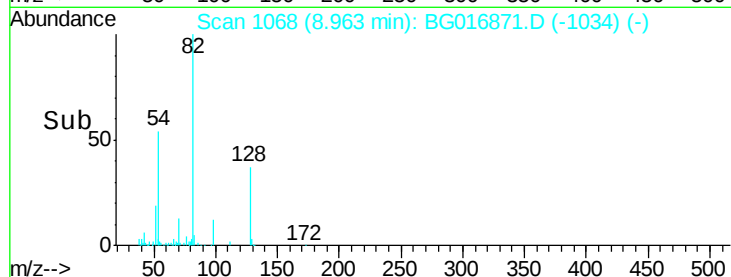
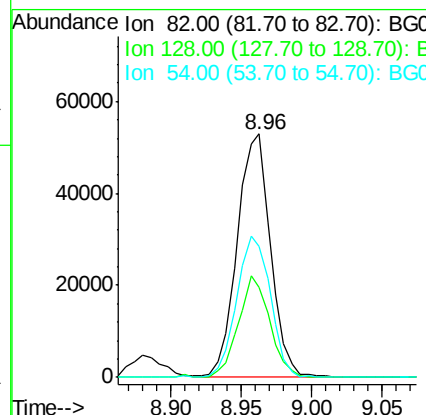
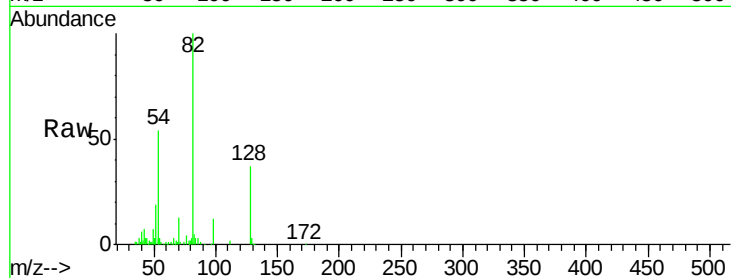




#23
 Nitrobenzene-d5
 Concen: 13.64 ng
 RT: 8.96 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

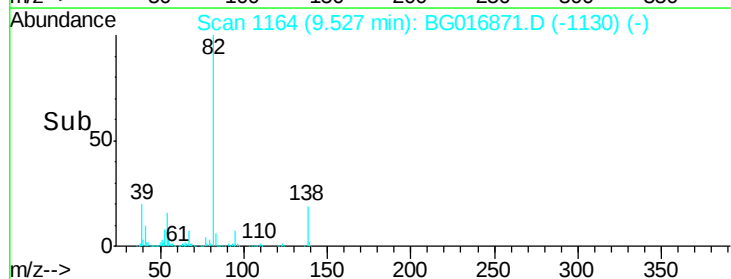
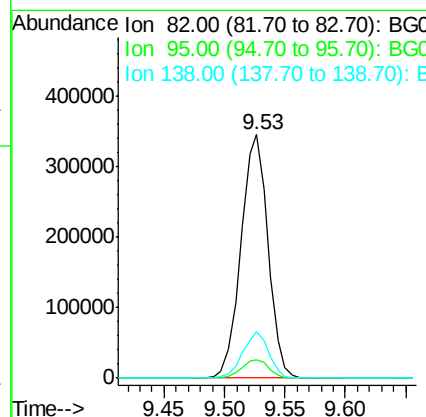
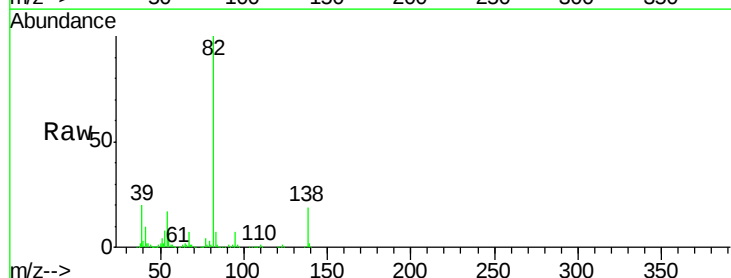
Instrument :
 BNA_G
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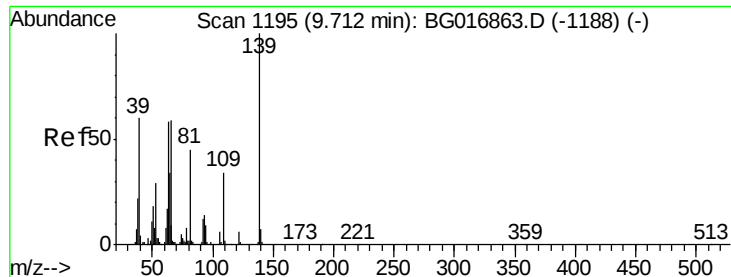
Tot Ion	82	Resp	86983
Ion Ratio	Lower	Upper	
82	100		
128	37.1	33.2	49.8
54	53.6	48.6	72.8



#25
 Isophorone
 Concen: 41.88 ng
 RT: 9.53 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

Tgt Ion	82	Resp	539230
Ion Ratio	Lower	Upper	
82	100		
95	7.3	6.7	10.1
138	19.0	14.7	22.1

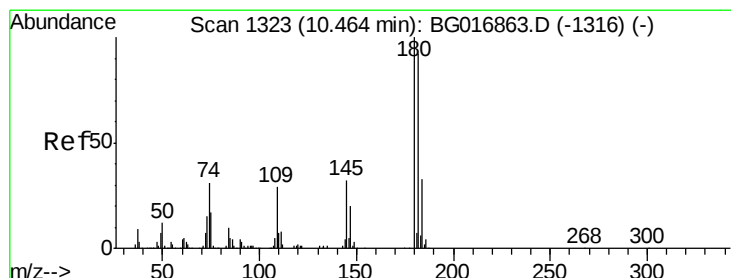
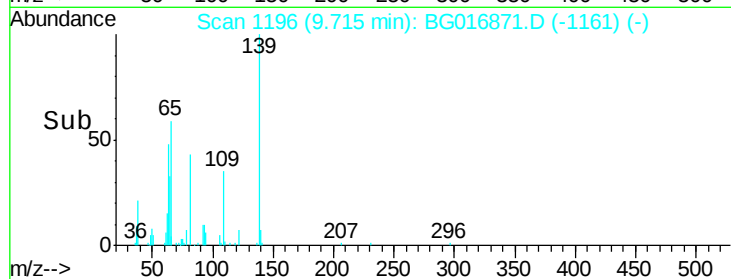
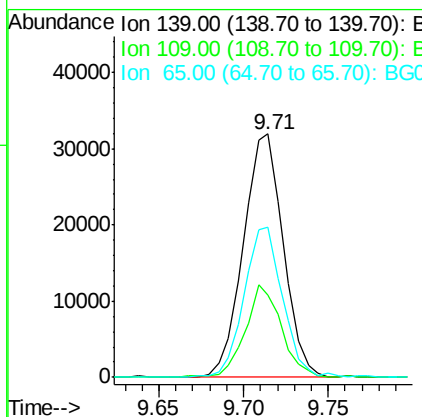
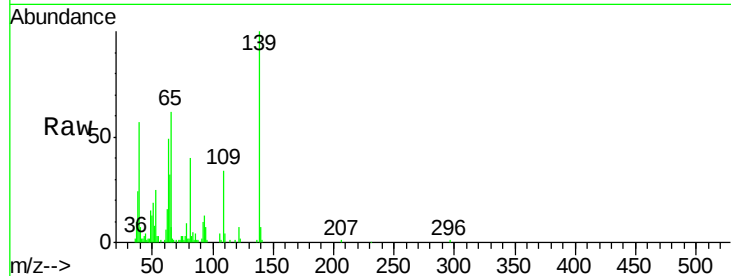




#26
2-Nitrophenol
Concen: 19.95 ng
RT: 9.71 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

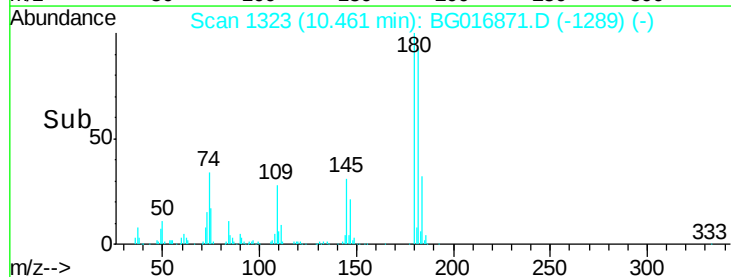
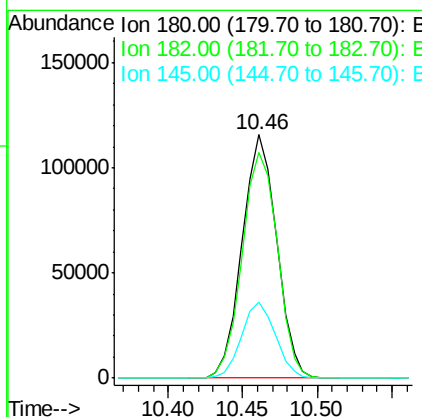
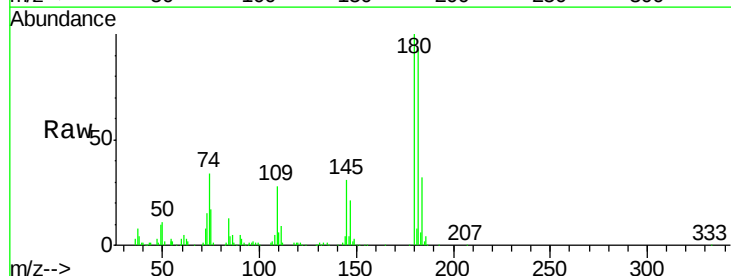
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

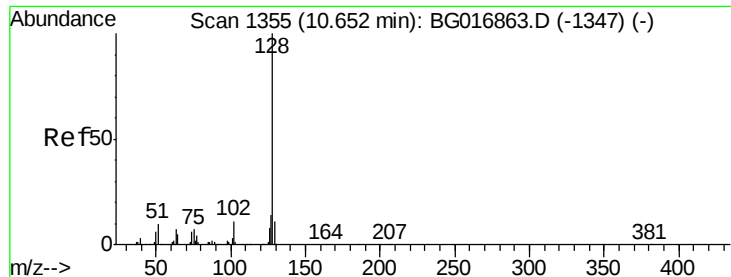
Tot Ion:139 Resp: 52294
Ion Ratio Lower Upper
139 100
109 33.9 27.4 41.2
65 61.6 47.1 70.7



#30
1,2,4-Trichlorobenzene
Concen: 39.00 ng
RT: 10.46 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion:180 Resp: 185375
Ion Ratio Lower Upper
180 100
182 92.9 73.8 110.8
145 31.4 25.4 38.0

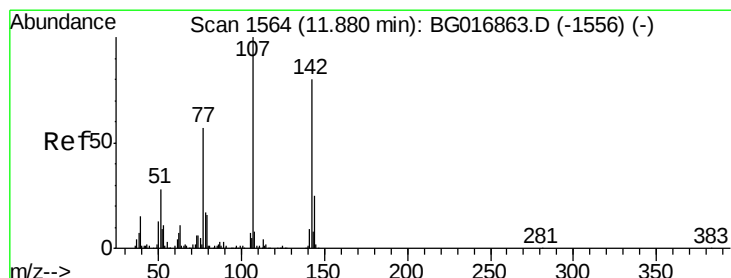
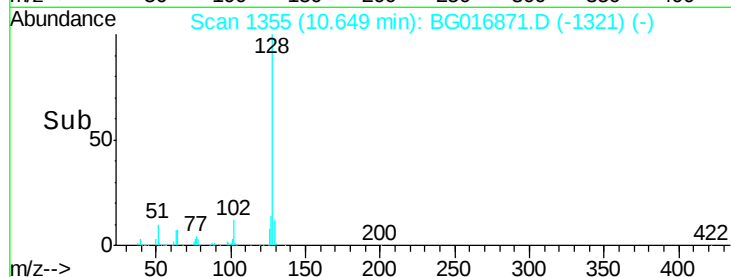
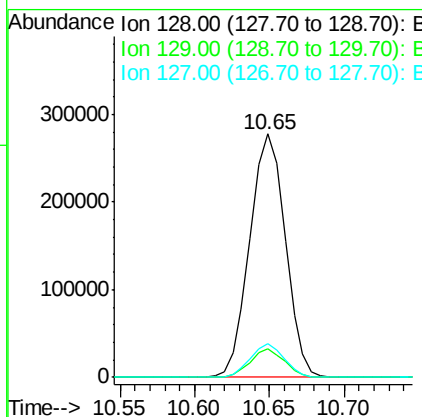
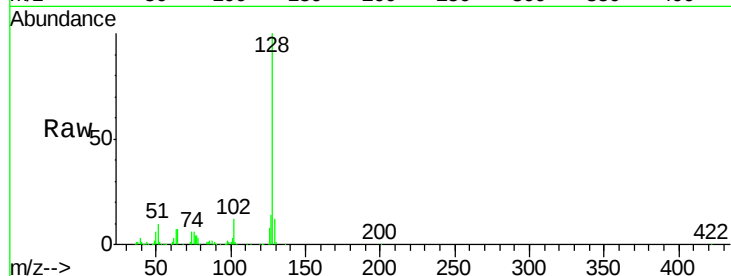




#31
Naphthalene
Concen: 29.57 ng
RT: 10.65 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

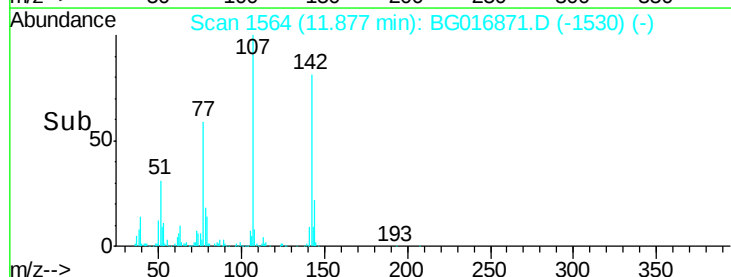
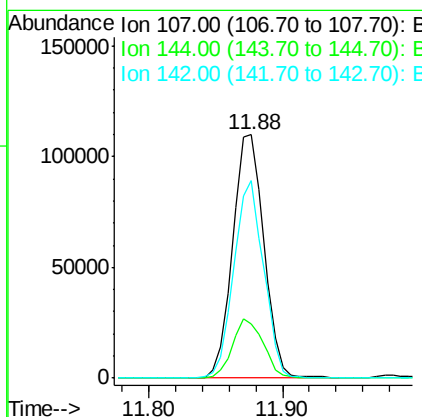
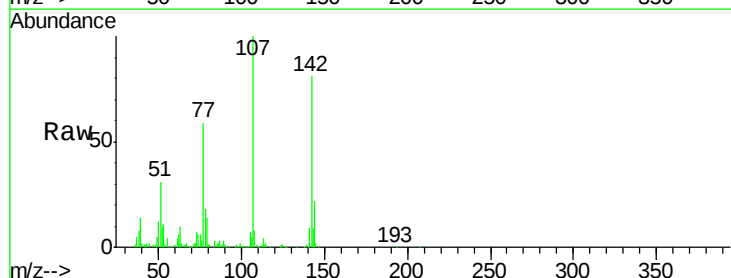
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

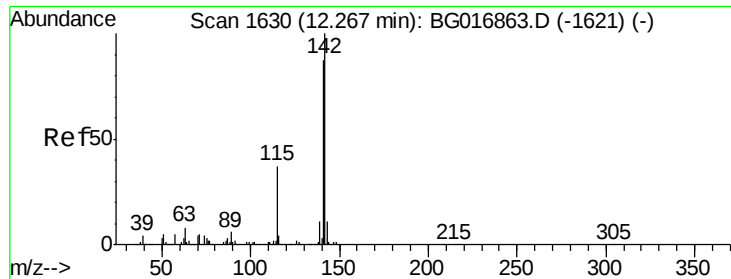
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.7	10.9	16.3



#36
4-Chloro-3-methylphenol
Concen: 31.21 ng
RT: 11.88 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.1	20.2	30.2
142	81.2	64.2	96.2

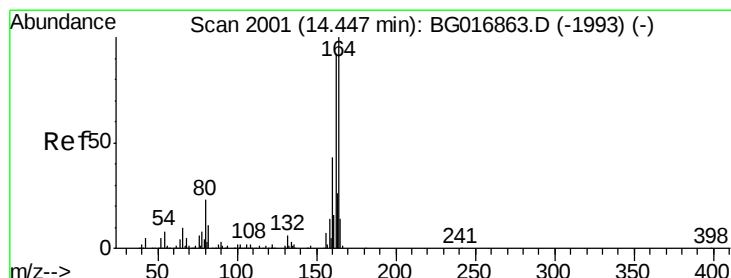
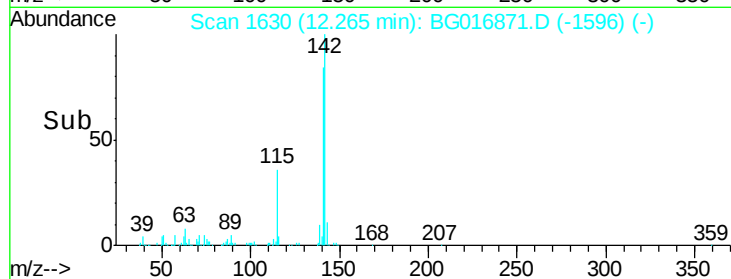
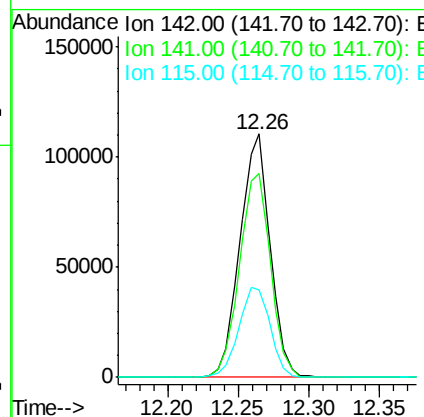
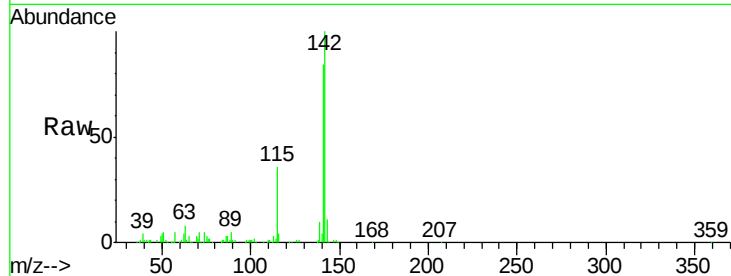




#37
2-Methylnaphthalene
Concen: 13.95 ng
RT: 12.26 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

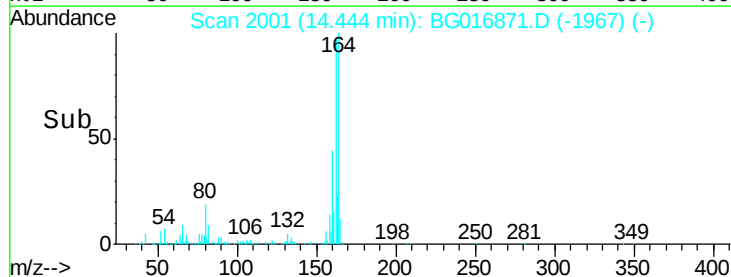
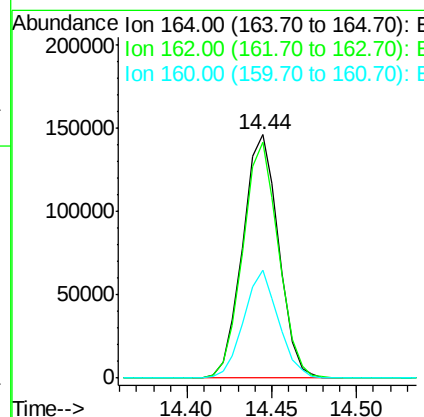
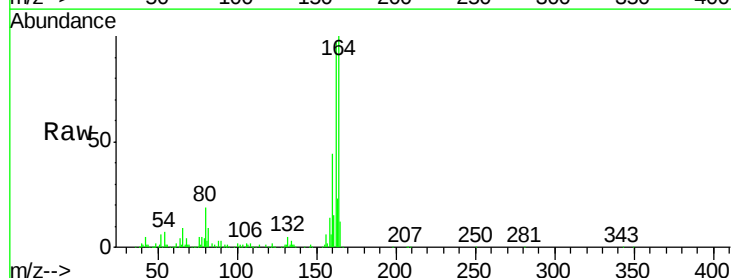
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

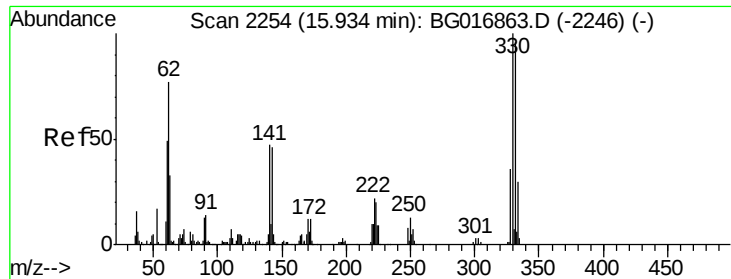
Tot Ion	Ratio	Lower	Upper
142	100		
141	83.8	69.9	104.9
115	35.9	29.8	44.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.44 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	74.0	111.0
160	44.2	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 21.94 ng

RT: 15.93 min Scan# 2254

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

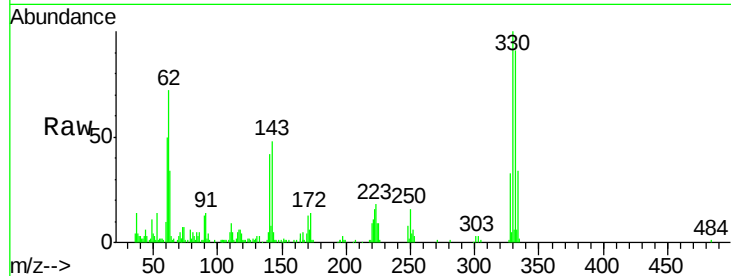
Tot Ion:330 Resp: 47444

Ion Ratio Lower Upper

330 100

332 94.0 0.0 0.0#

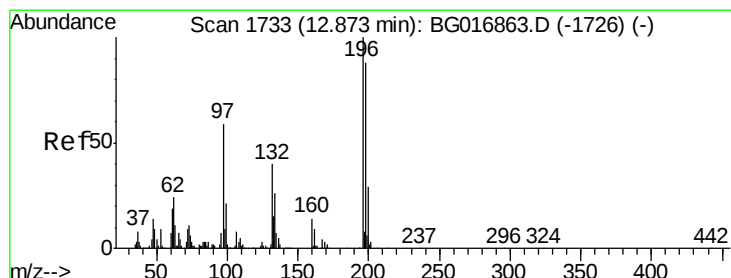
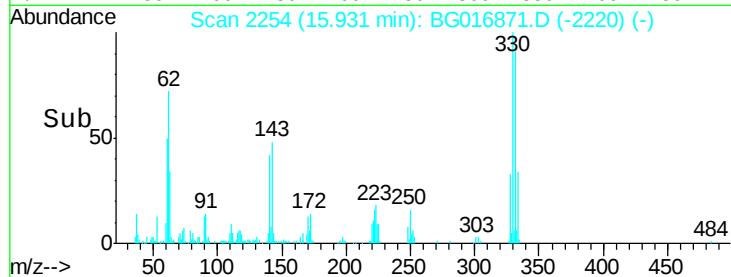
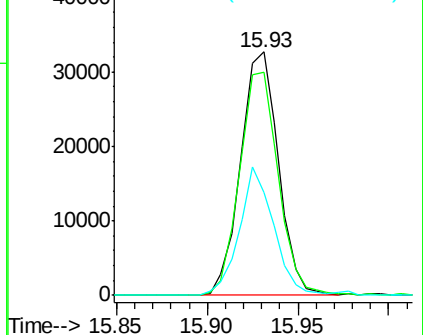
141 47.9 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 15.79 ng

RT: 12.87 min Scan# 1733

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

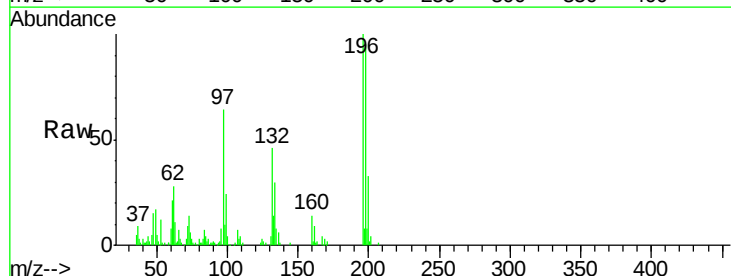
Tgt Ion:196 Resp: 65163

Ion Ratio Lower Upper

196 100

198 95.1 70.7 106.1

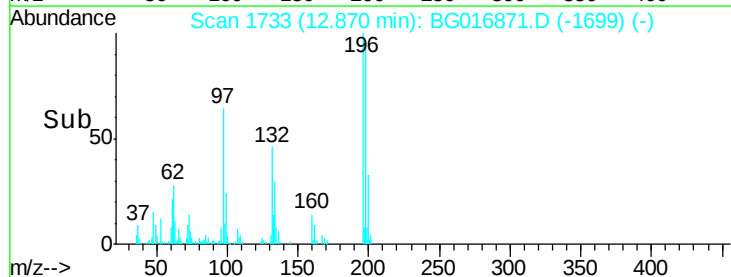
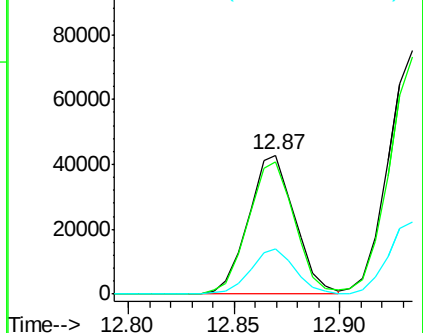
200 32.8 23.0 34.4

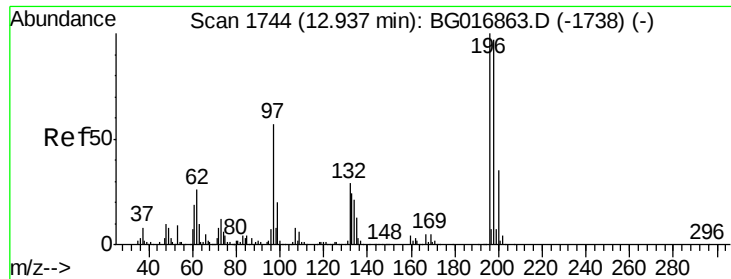


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

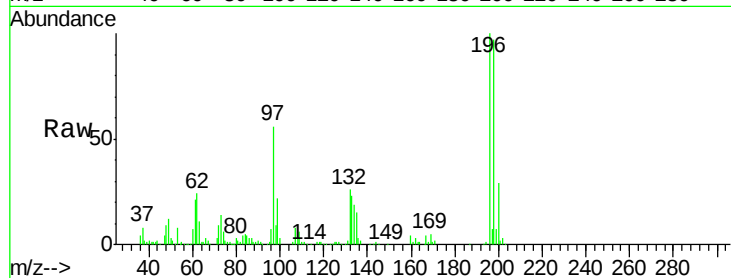




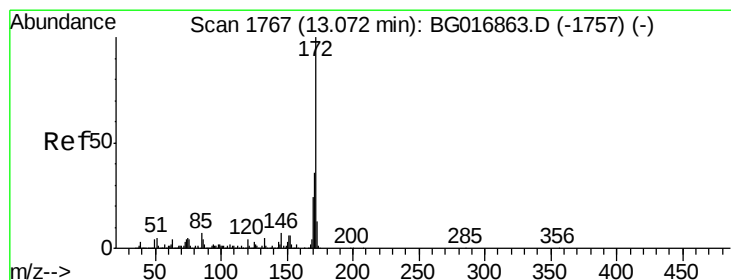
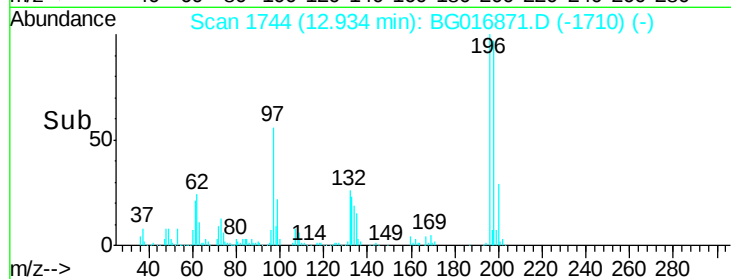
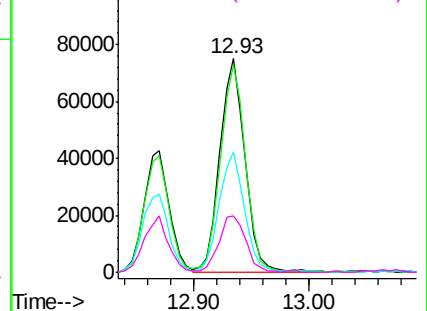
#43
2,4,5-Trichlorophenol
Concen: 25.80 ng
RT: 12.93 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

Tot Ion:	196	Resp:	113017
Ion	Ratio	Lower	Upper
196	100		
198	97.3	77.5	116.3
97	56.3	45.9	68.9
132	26.5	23.7	35.5

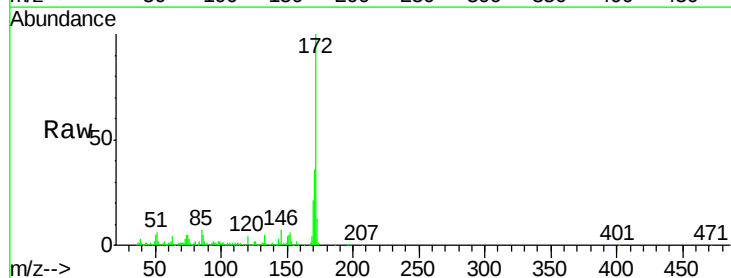


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

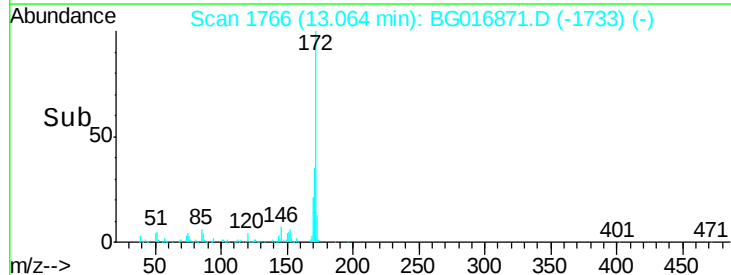
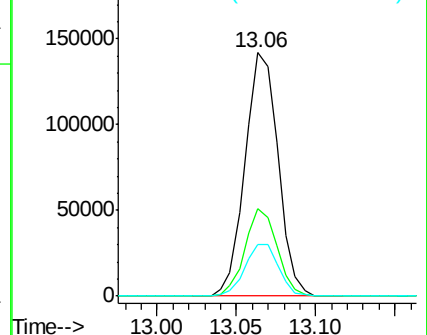


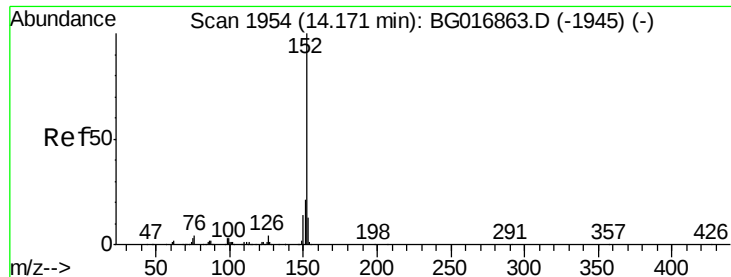
#44
2-Fluorobiphenyl
Concen: 14.41 ng
RT: 13.06 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion:	172	Resp:	205678
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	21.1	19.0	28.4



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: 14.89 ng

RT: 14.16 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

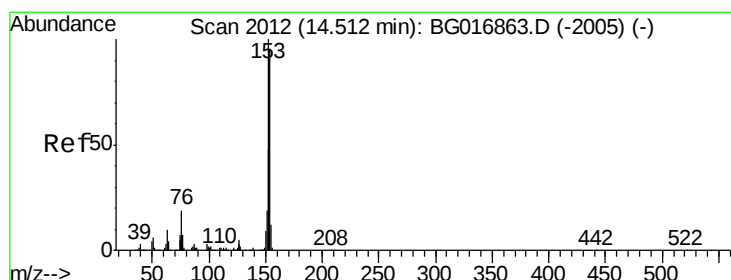
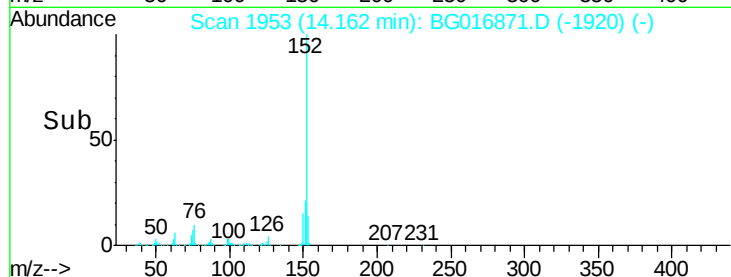
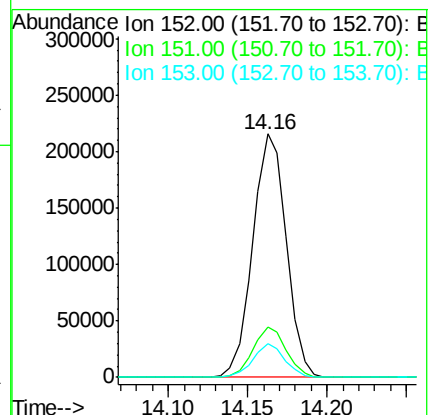
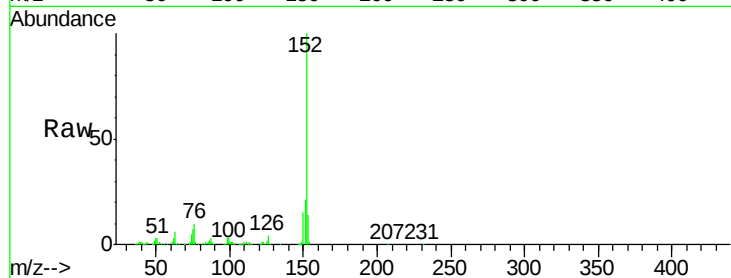
Tot Ion:152 Resp: 316762

Ion Ratio Lower Upper

152 100

151 20.9 17.0 25.4

153 13.7 10.7 16.1



#51

Acenaphthene

Concen: 33.22 ng

RT: 14.51 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

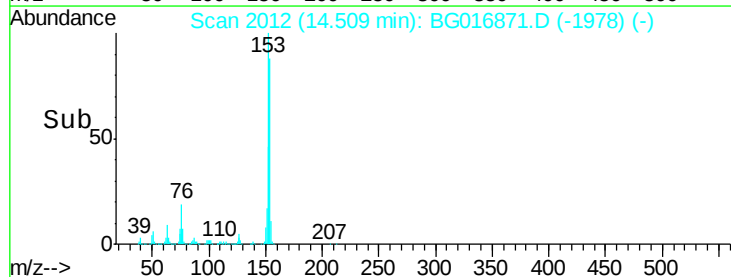
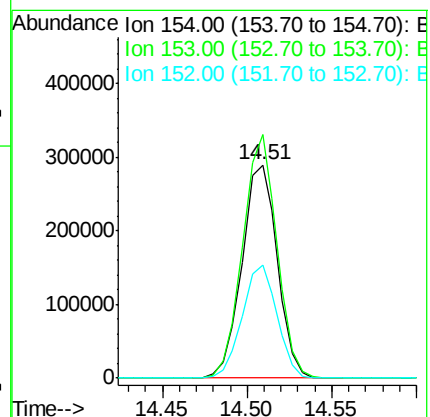
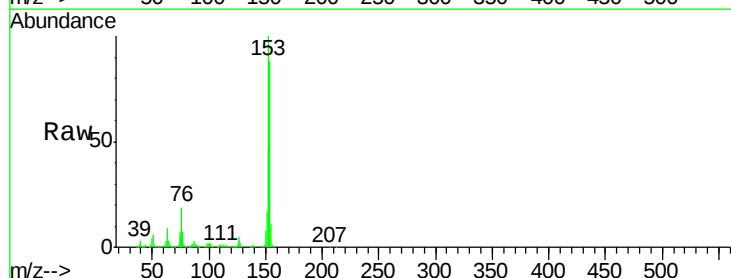
Tgt Ion:154 Resp: 420655

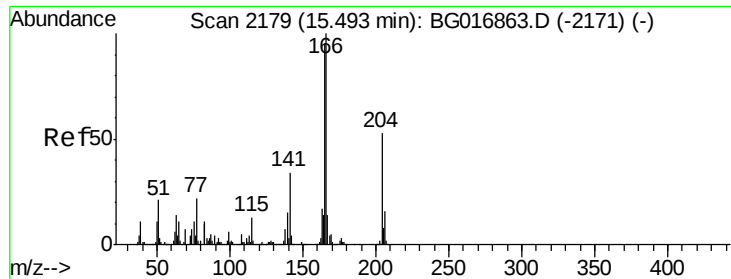
Ion Ratio Lower Upper

154 100

153 114.1 84.2 126.4

152 52.8 40.2 60.2

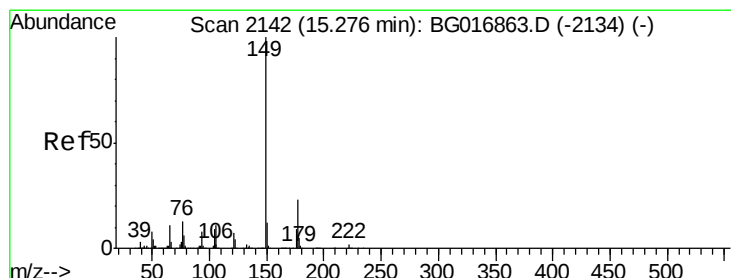
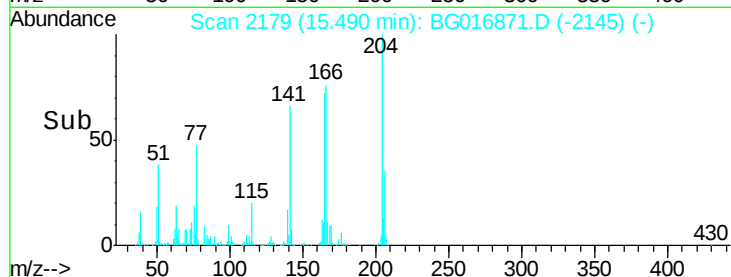
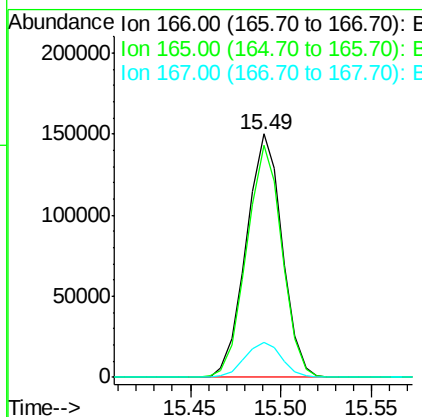
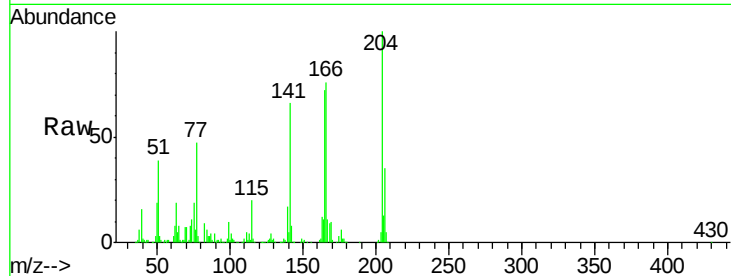




#57
Fluorene
 Concen: 13.07 ng
 RT: 15.49 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

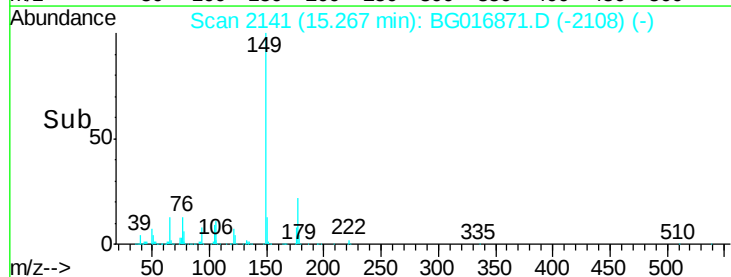
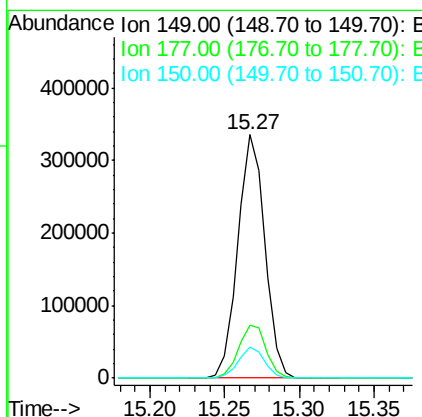
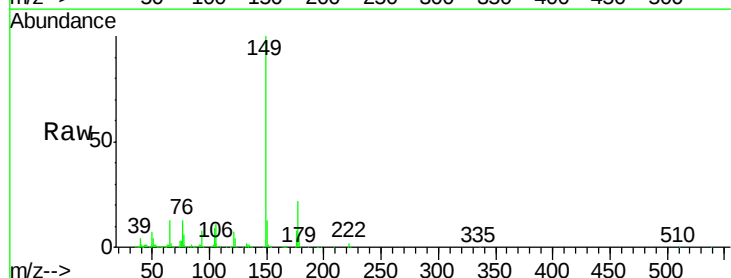
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILD

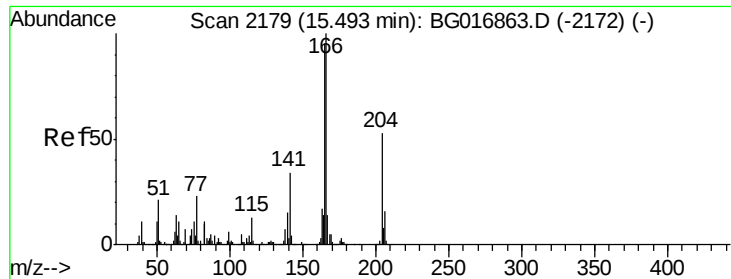
Tot Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.1	114.1
167	14.2	11.4	17.2



#59
Diethylphthalate
 Concen: 24.83 ng
 RT: 15.27 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.6	27.8
150	13.0	9.8	14.8

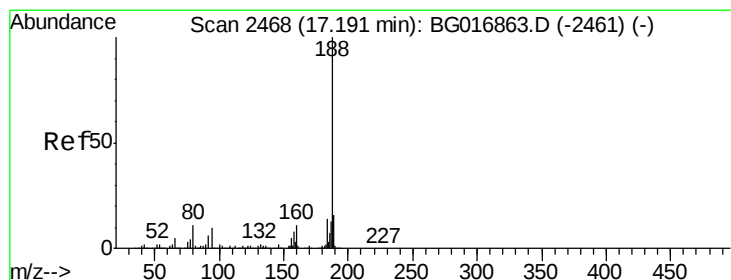
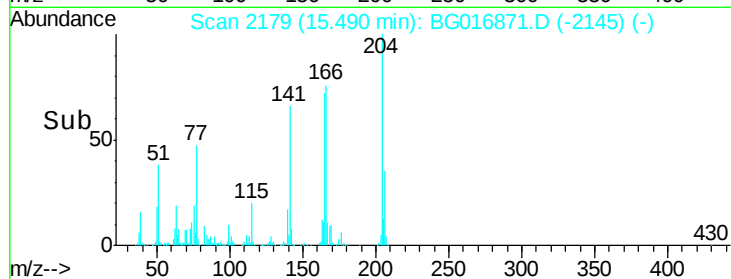
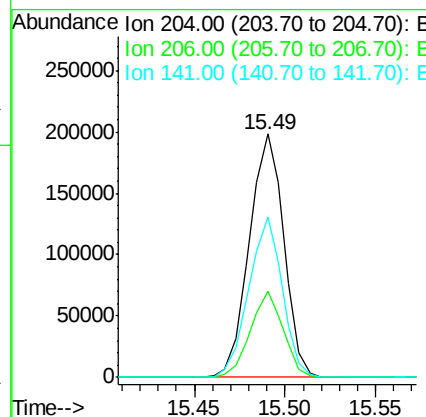
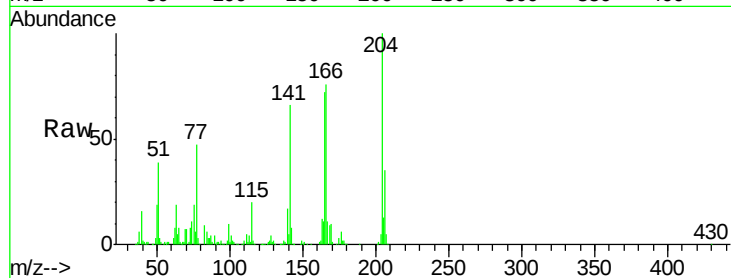




#60
4-Chlorophenyl-phenylether
Concen: 32.99 ng
RT: 15.49 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

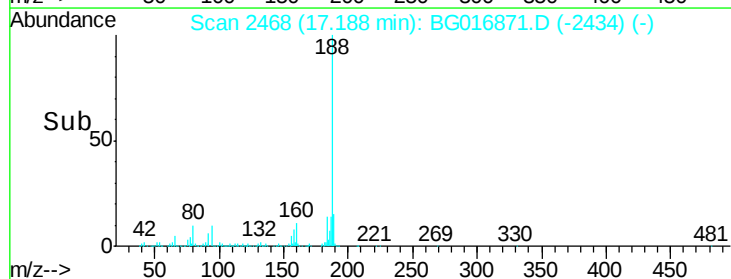
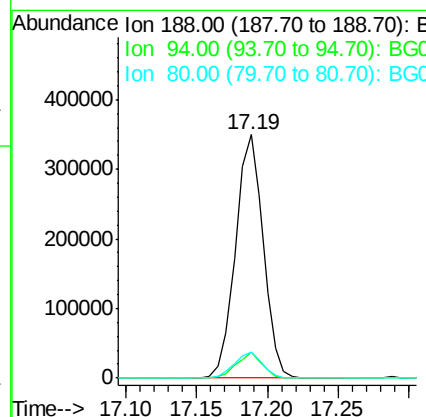
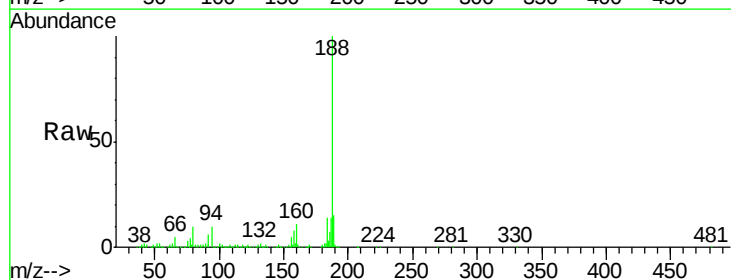
Instrument :
BNA_G
ClientSampleID :
PT-BNA-SOILD

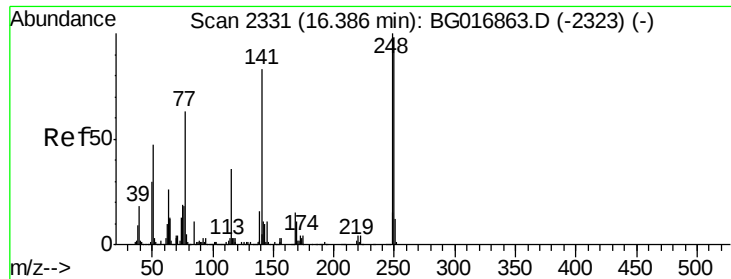
Tot Ion	Ratio	Lower	Upper
204	100		
206	35.2	24.8	37.2
141	65.8	52.4	78.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.19 min Scan# 2468
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.4
80	10.5	8.8	13.2

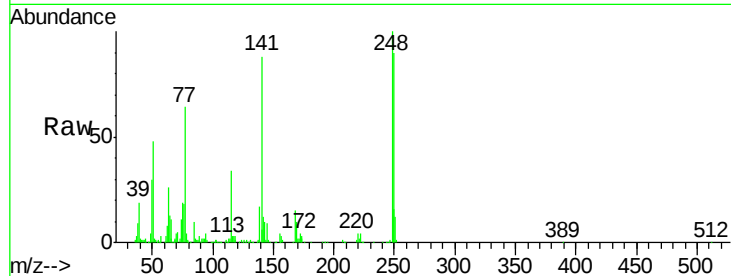




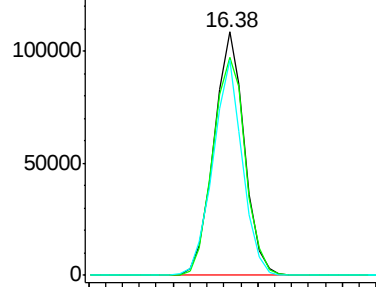
#66
4-Bromophenyl-phenylether
Concen: 28.40 ng
RT: 16.38 min Scan# 2331
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILD

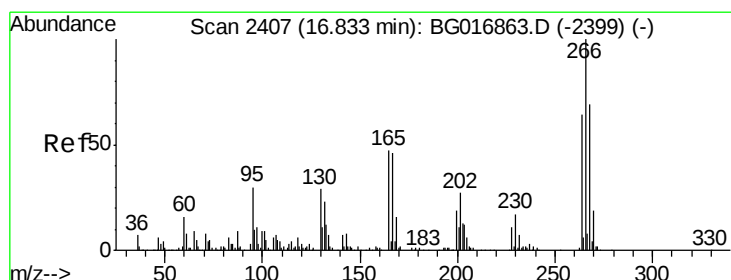
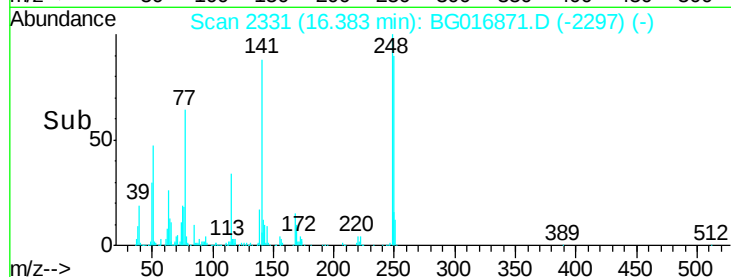
Tot Ion:248 Resp: 135854
Ion Ratio Lower Upper
248 100
250 89.8 78.6 117.8
141 88.3 66.3 99.5



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

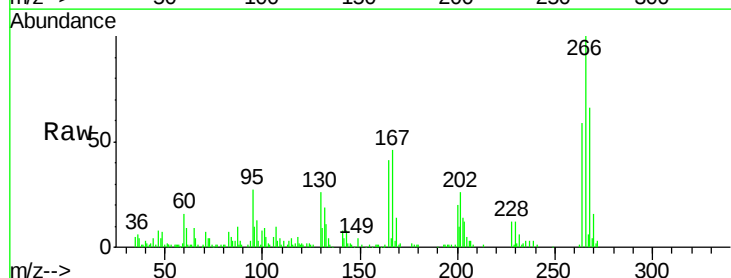


Time--> 16.30 16.35 16.40 16.45

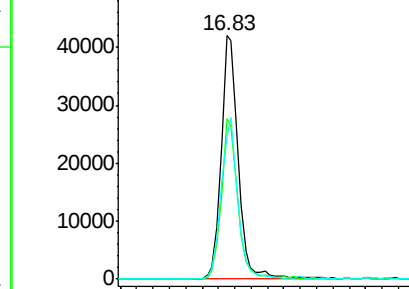


#69
Pentachlorophenol
Concen: 18.71 ng
RT: 16.83 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

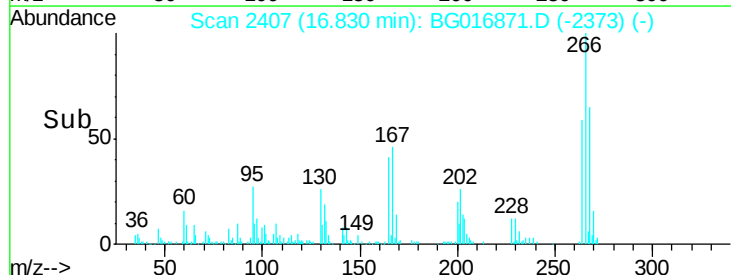
Tgt Ion:266 Resp: 61299
Ion Ratio Lower Upper
266 100
268 65.7 55.2 82.8
264 58.7 51.4 77.0

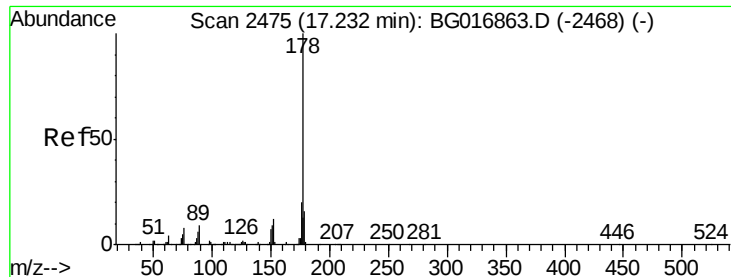


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time--> 16.70 16.80 16.90 17.00





#70

Phenanthrene

Concen: 6.80 ng

RT: 17.23 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

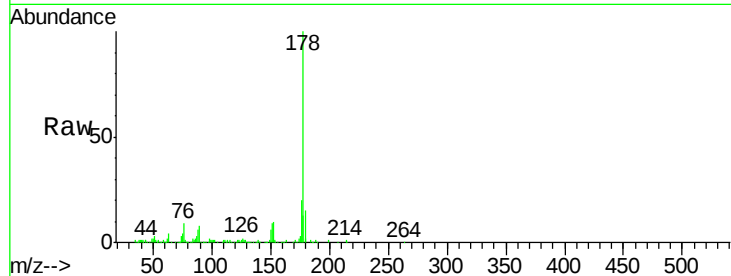
Tot Ion:178 Resp: 166911

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

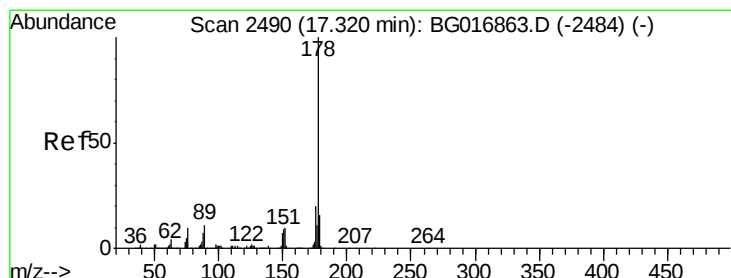
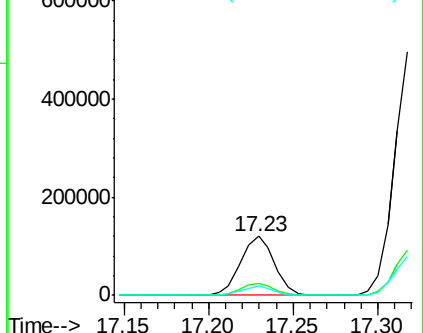
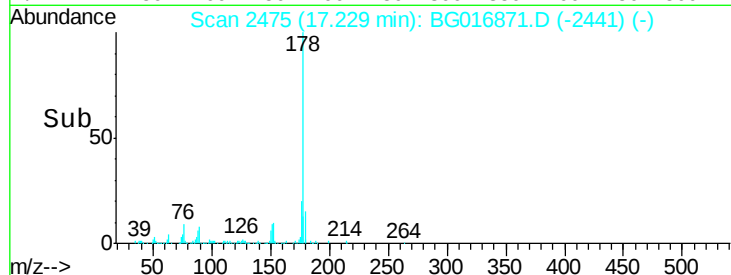
179 15.4 13.0 19.6



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: 29.27 ng

RT: 17.32 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

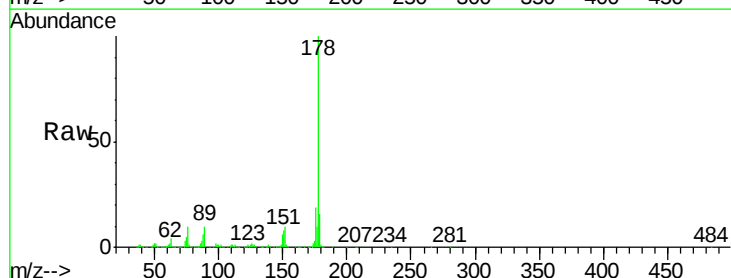
Tgt Ion:178 Resp: 724359

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

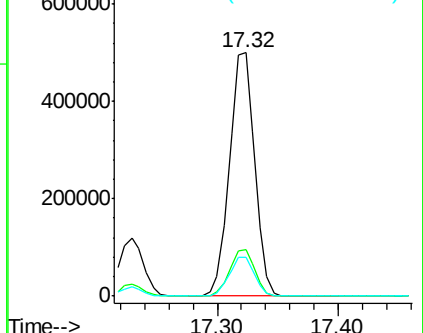
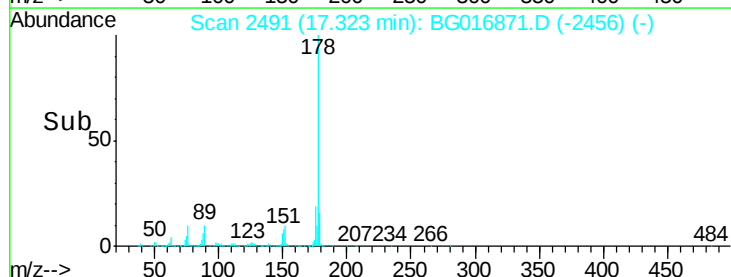
179 15.8 13.1 19.7

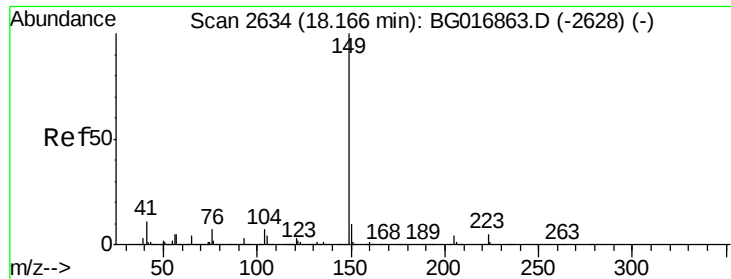


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

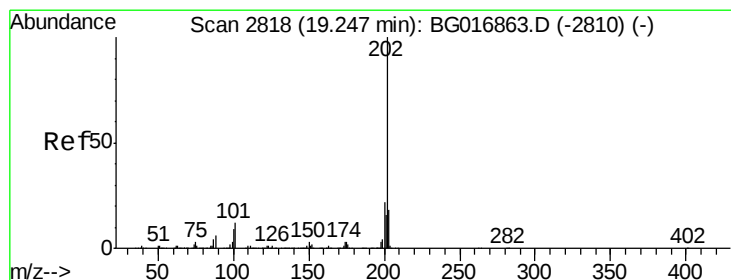
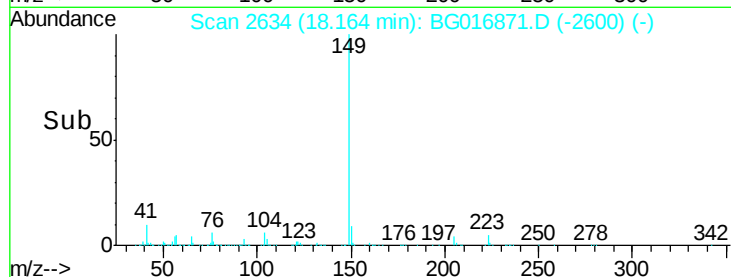
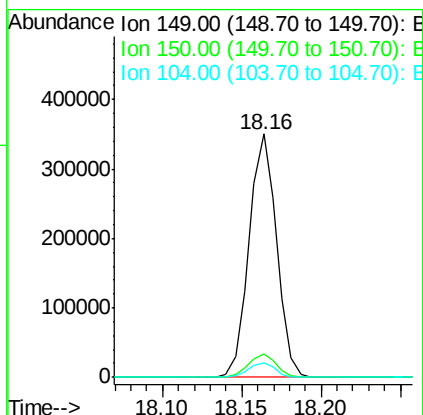
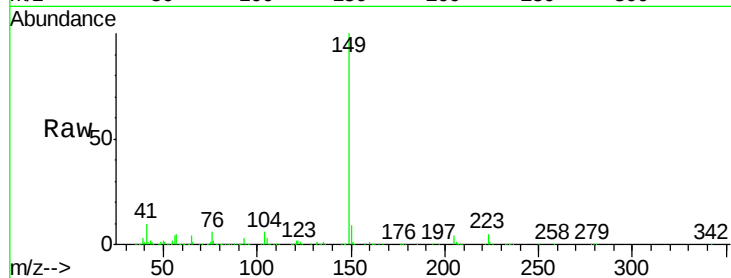




#73
Di-n-butylphthalate
Concen: 13.85 ng
RT: 18.16 min Scan# 2634
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

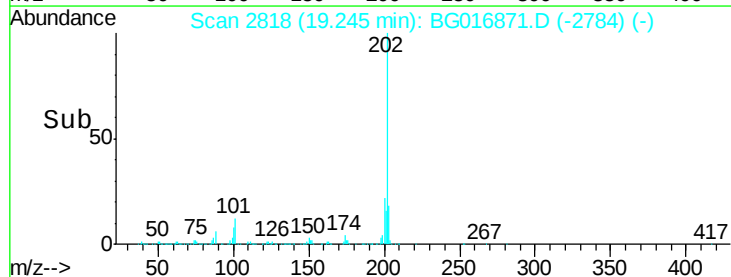
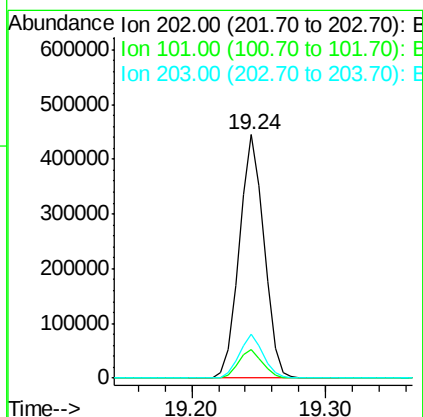
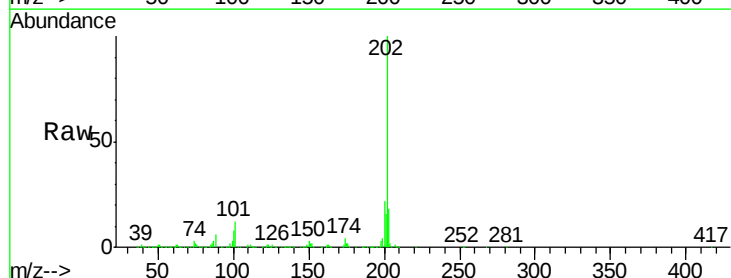
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOILDL

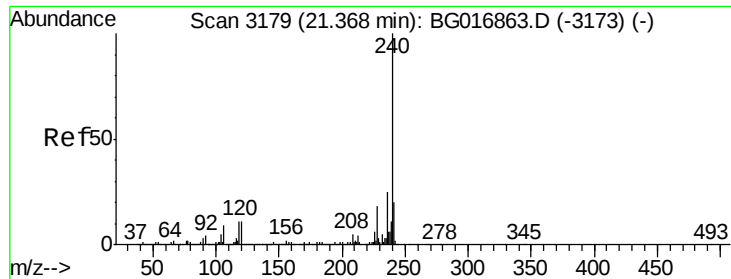
Tot Ion:149 Resp: 422298
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 6.2 5.4 8.0



#74
Fluoranthene
Concen: 19.99 ng
RT: 19.24 min Scan# 2818
Delta R.T. -0.00 min
Lab File: BG016871.D
Acq: 5 May 2015 18:31

Tgt Ion:202 Resp: 568876
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.5
203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.37 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

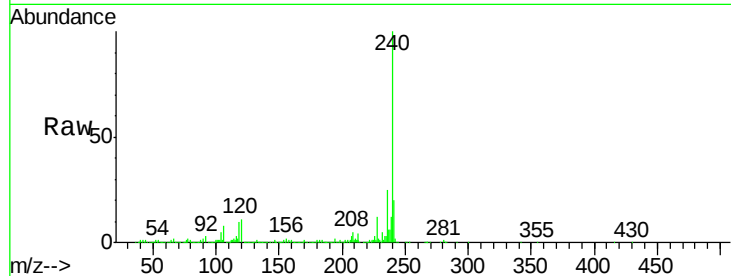
Tot Ion:240 Resp: 493656

Ion Ratio Lower Upper

240 100

120 11.0 9.1 13.7

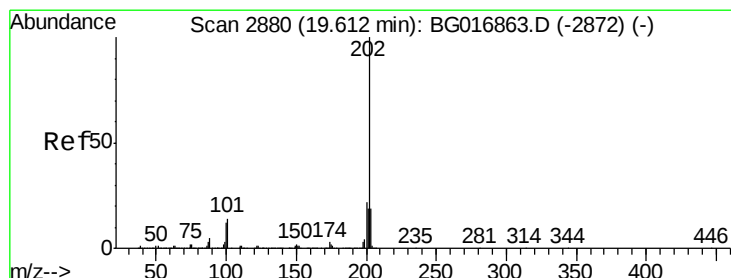
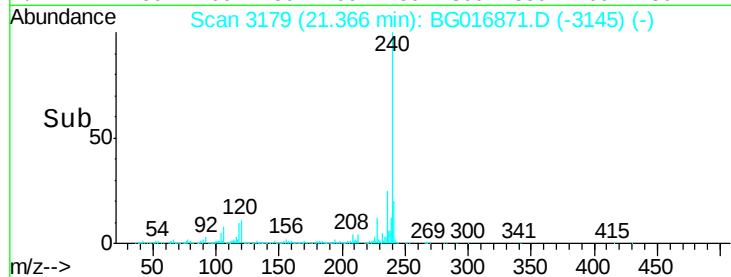
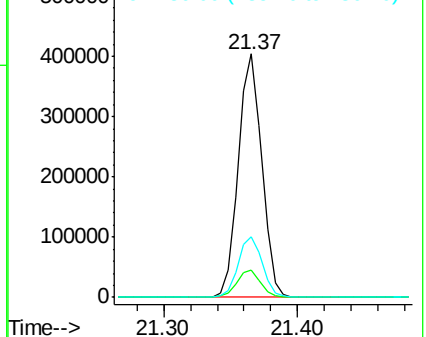
236 24.7 20.2 30.4



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: 15.49 ng

RT: 19.61 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

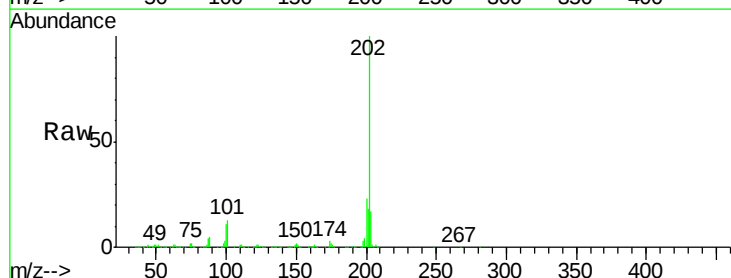
Tgt Ion:202 Resp: 451254

Ion Ratio Lower Upper

202 100

200 22.5 17.9 26.9

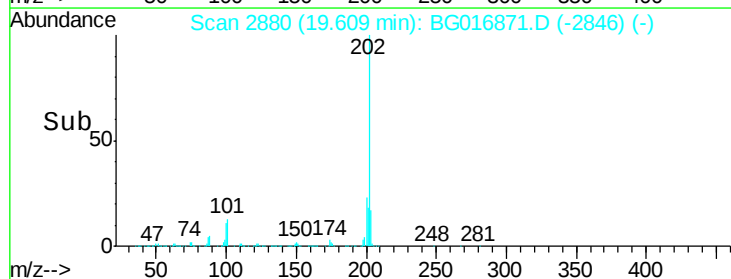
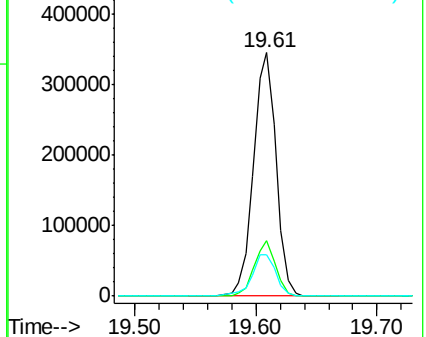
203 17.1 15.2 22.8

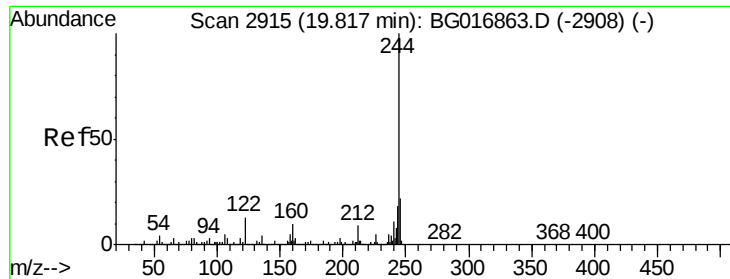


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.79 ng

RT: 19.81 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

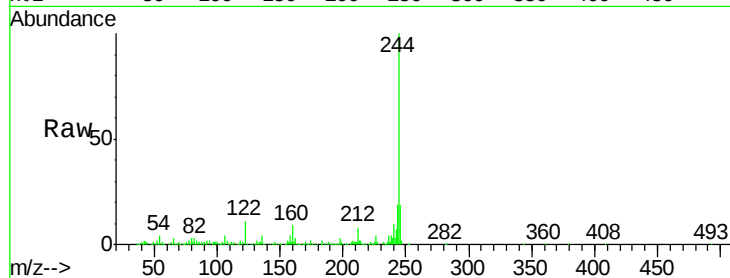
Tot Ion:244 Resp: 311504

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.6

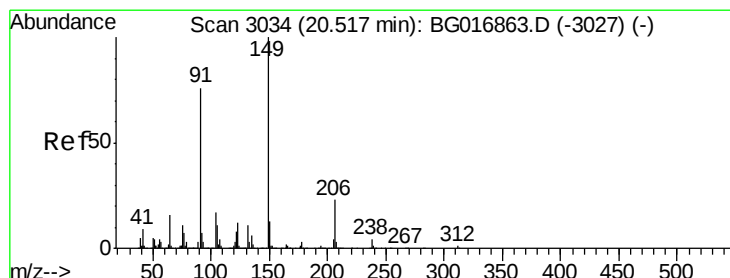
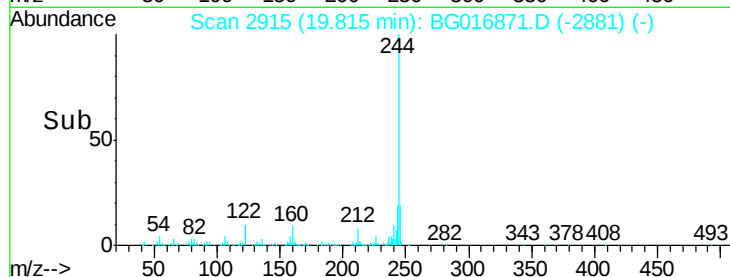
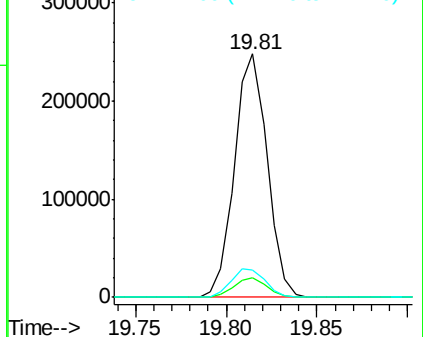
122 11.0 10.4 15.6



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



#79

Butylbenzylphthalate

Concen: 27.84 ng

RT: 20.51 min Scan# 3034

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

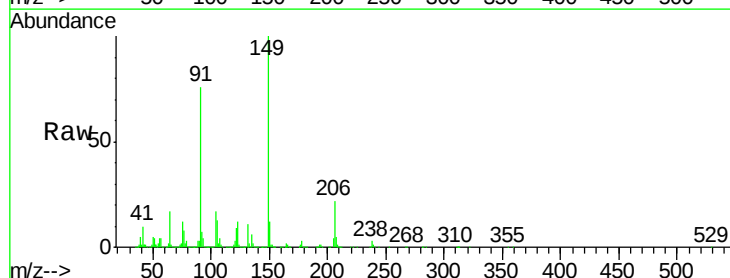
Tgt Ion:149 Resp: 385576

Ion Ratio Lower Upper

149 100

91 76.5 60.6 91.0

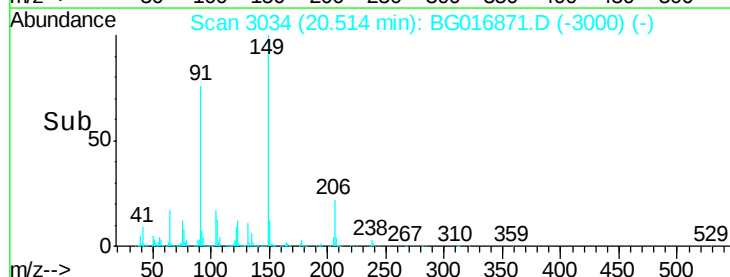
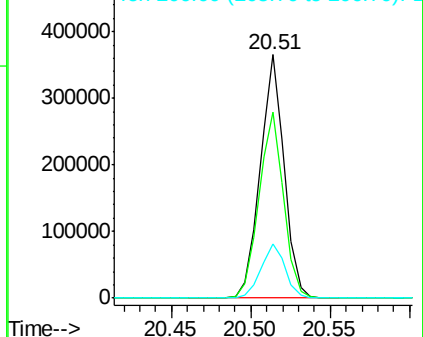
206 22.0 18.4 27.6

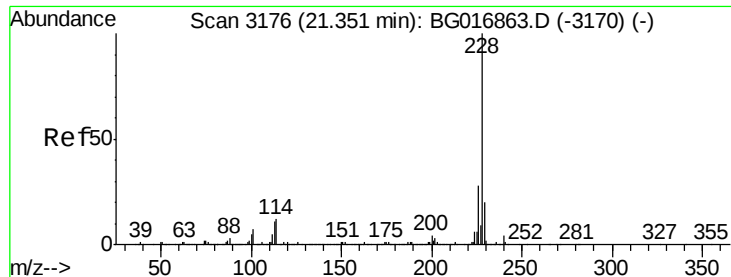


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 16.51 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

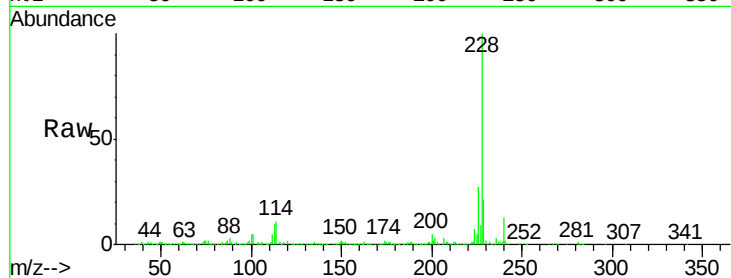
Tot Ion:228 Resp: 437222

Ion Ratio Lower Upper

228 100

226 26.7 22.7 34.1

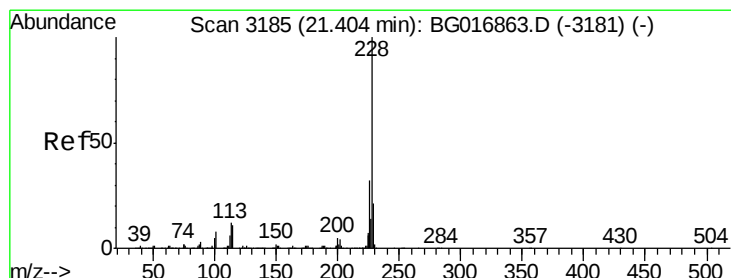
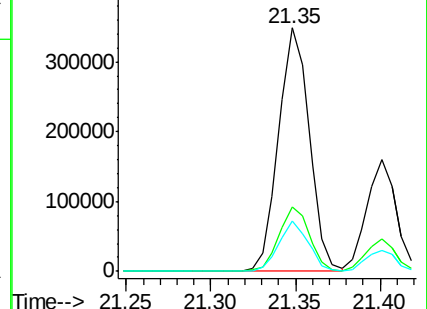
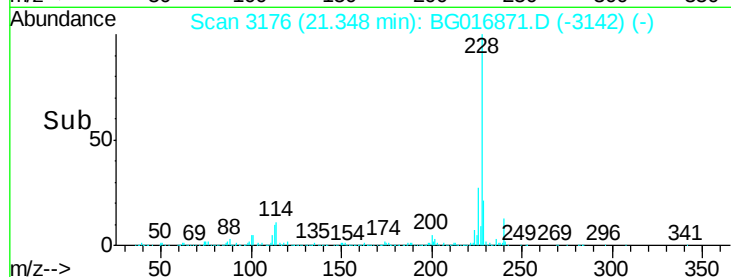
229 20.6 16.1 24.1



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: 7.78 ng

RT: 21.40 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

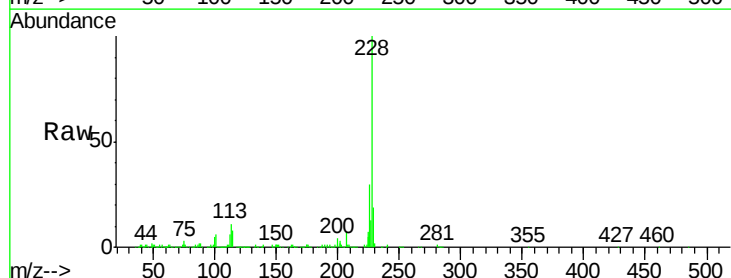
Tgt Ion:228 Resp: 192933

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.0

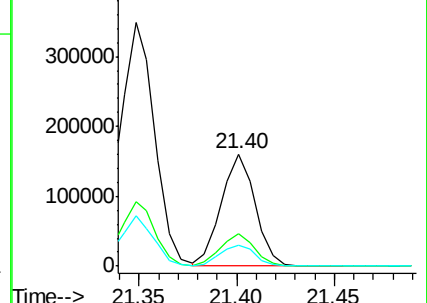
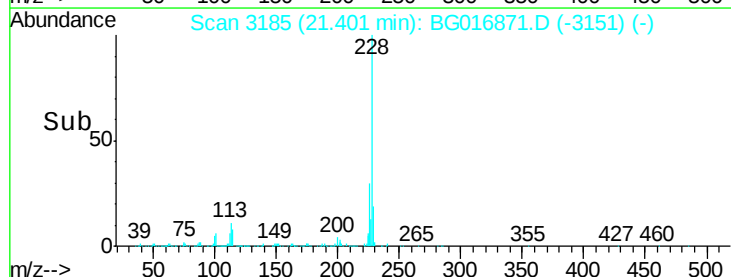
229 19.2 16.5 24.7

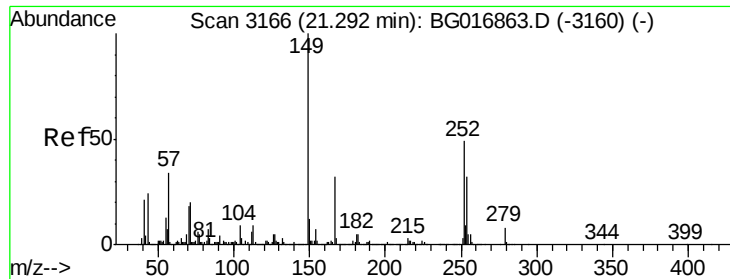


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

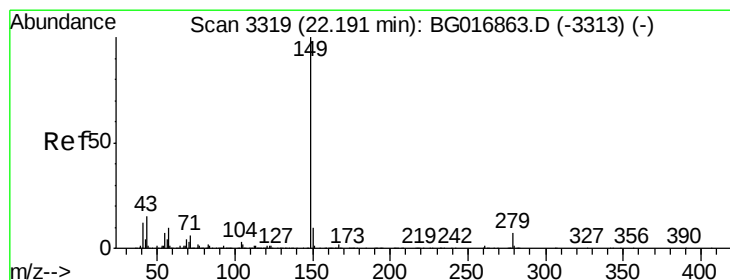
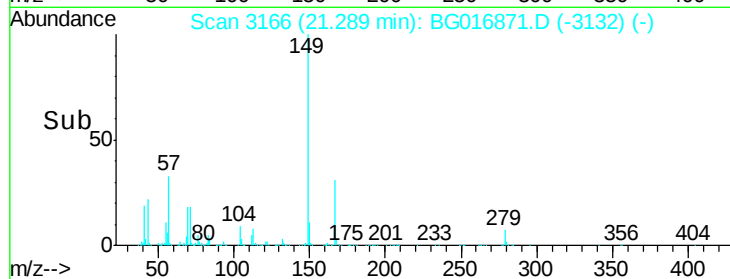
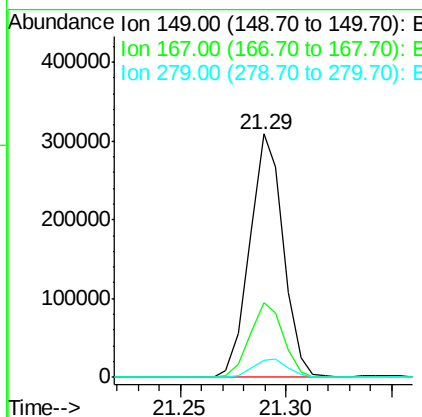
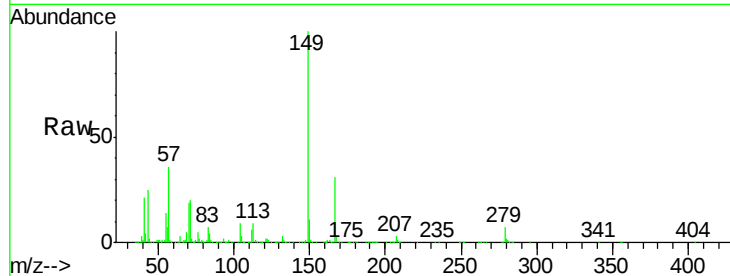




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 17.99 ng
 RT: 21.29 min Scan# 3166
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

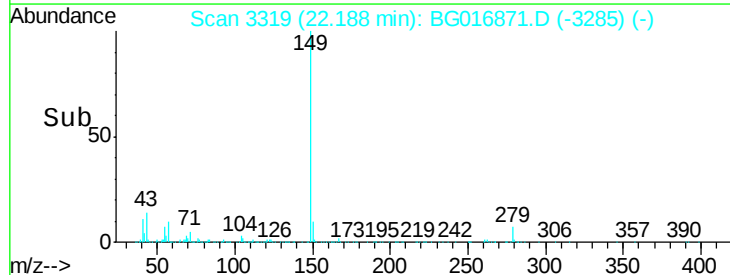
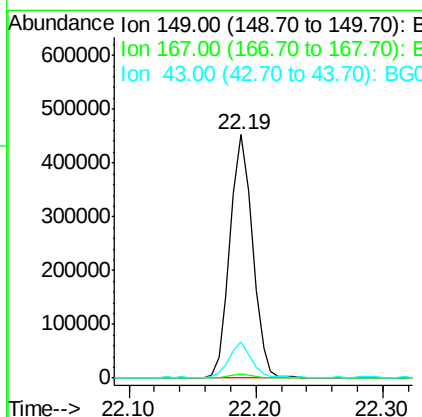
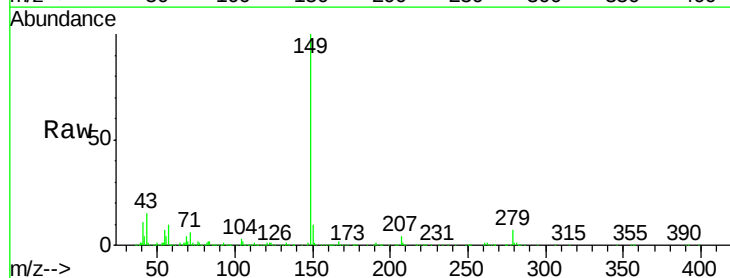
Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOILDL

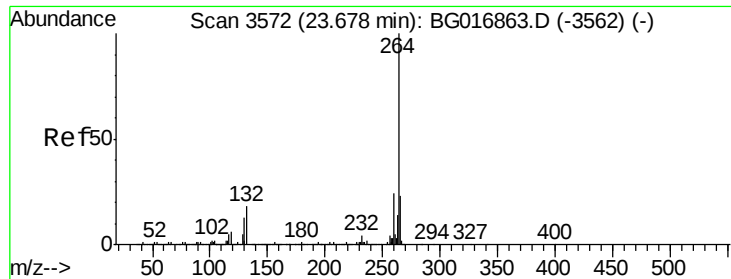
Tot Ion	Ratio	Lower	Upper
149	100		
167	30.9	25.4	38.0
279	7.2	6.4	9.6



#84
 Di-n-octyl phthalate
 Concen: 17.54 ng
 RT: 22.19 min Scan# 3319
 Delta R.T. -0.00 min
 Lab File: BG016871.D
 Acq: 5 May 2015 18:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	0.0	0.0#
43	14.0	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 23.67 min Scan# 3572

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILD

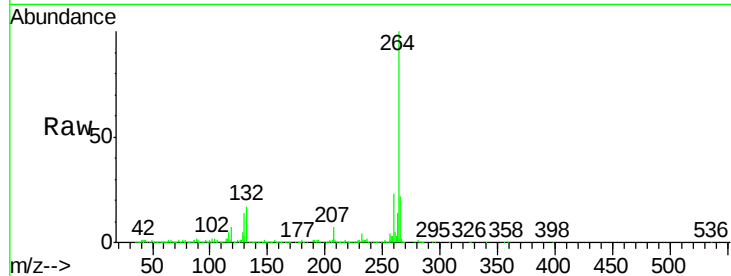
Tot Ion:264 Resp: 485875

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

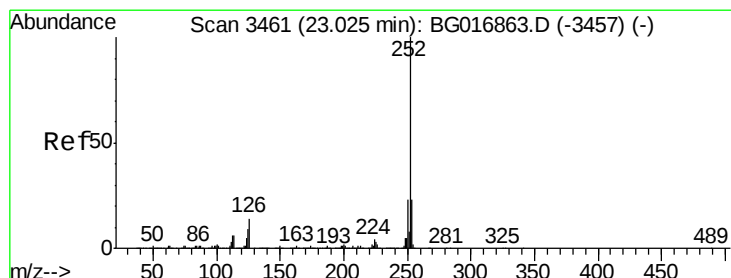
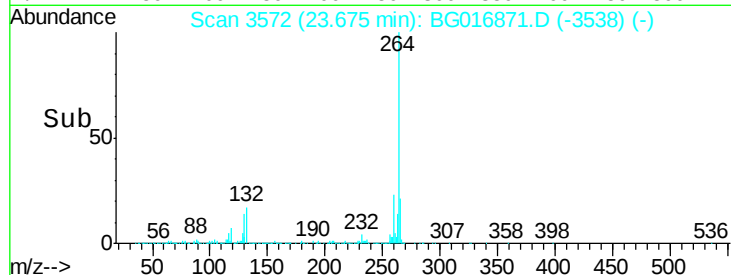
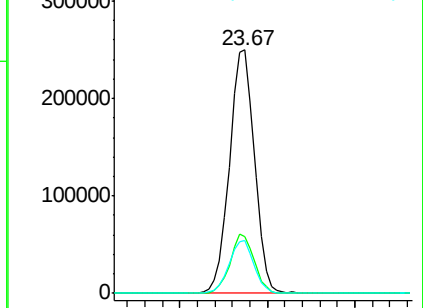
265 21.5 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(k)fluoranthene

Concen: 32.46 ng

RT: 23.02 min Scan# 3461

Delta R.T. -0.00 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

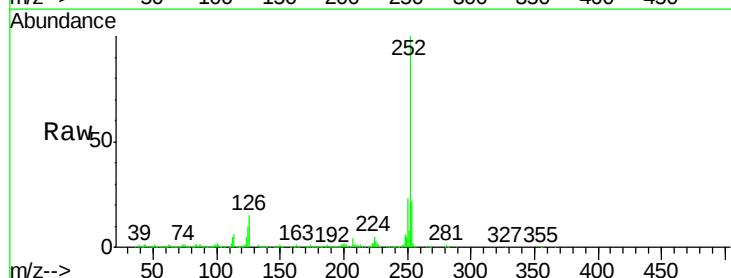
Tgt Ion:252 Resp: 845125

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

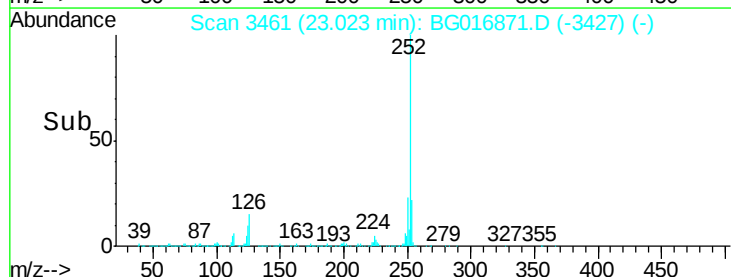
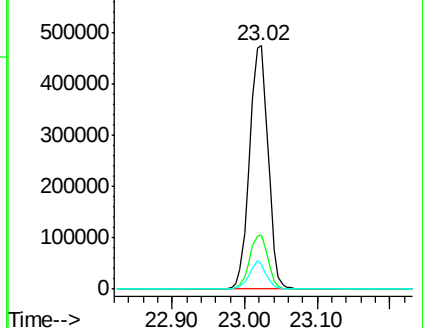
125 10.1 7.9 11.9

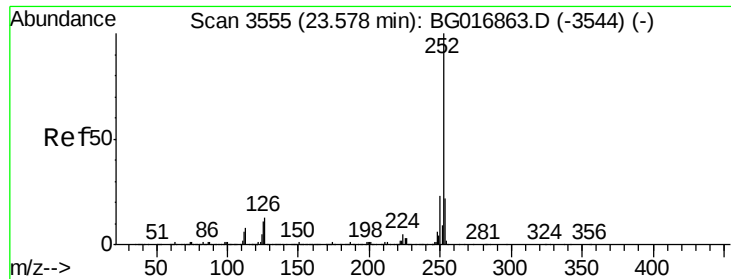


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.48 ng

RT: 23.57 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG016871.D

Acq: 5 May 2015 18:31

Instrument :

BNA_G

ClientSampleId :

PT-BNA-SOILDL

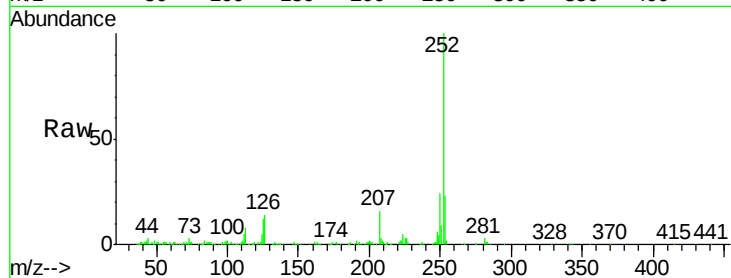
Tot Ion:252 Resp: 214067

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 11.6 8.5 12.7



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

