

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017545.D
 Acq On : 8 Jun 2015 16:19
 Operator : TP/IZ
 Sample : G2464-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Quant Time: Jun 09 02:15:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

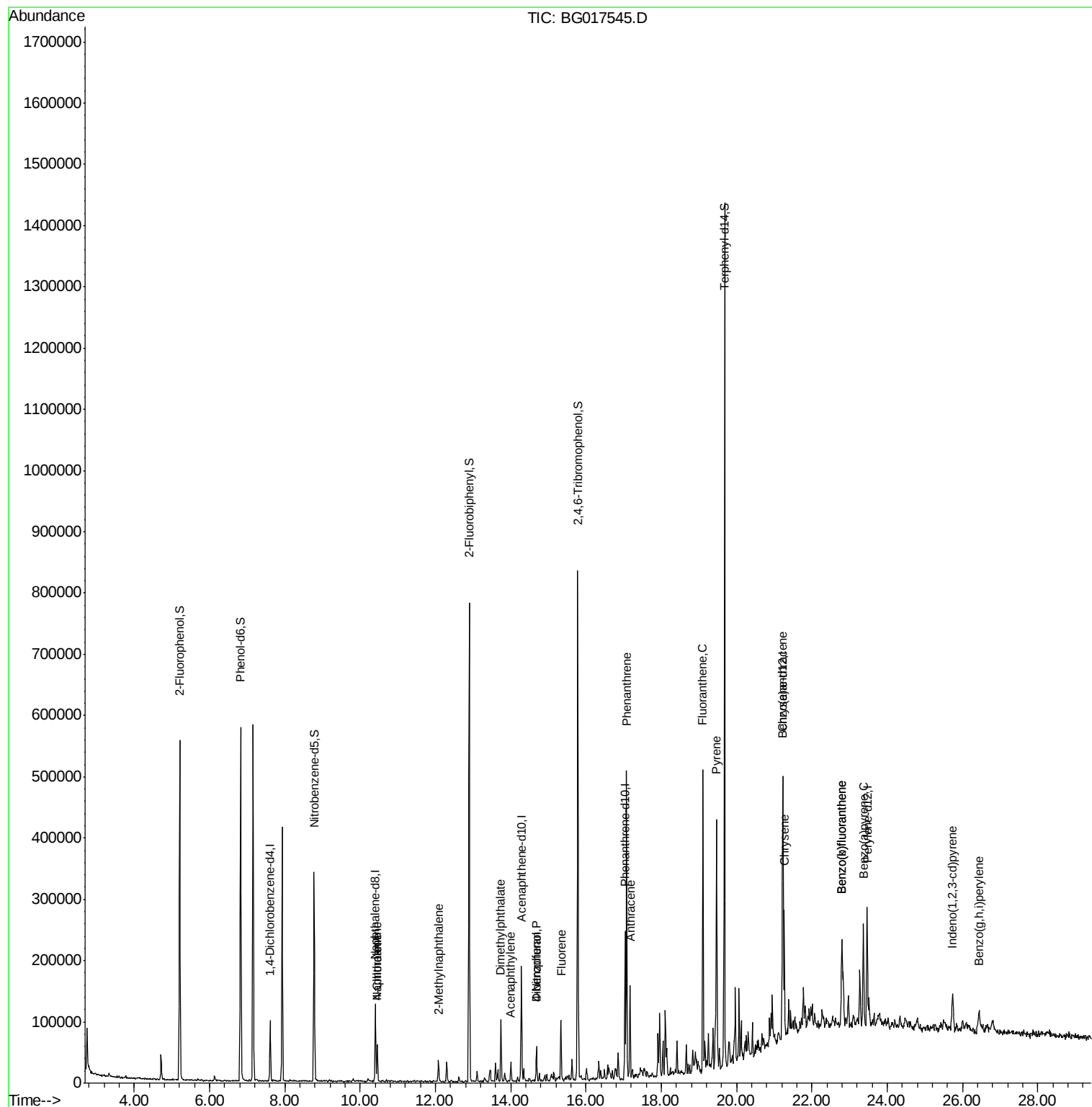
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	22341	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	88733	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	57391	20.00	ng	0.00
63) Phenanthrene-d10	17.03	188	122701	20.00	ng	0.00
75) Chrysene-d12	21.23	240	137110	20.00	ng	0.00
86) Perylene-d12	23.47	264	143535	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	184285	145.33	ng	0.00
7) Phenol-d6	6.82	99	237312	137.37	ng	0.00
23) Nitrobenzene-d5	8.77	82	170138	95.72	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	107793	135.23	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	343217	90.21	ng	0.00
78) Terphenyl-d14	19.68	244	530936	80.03	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.45	128	40253	8.68	ng	98
33) 4-Chloroaniline	10.45	127	5992	2.91	ng	# 36
37) 2-Methylnaphthalene	12.08	142	15035	4.22	ng	98
48) Acenaphthylene	14.00	152	18280	2.96	ng	# 96
49) Dimethylphthalate	13.74	163	53507	10.71	ng	99
54) Dibenzofuran	14.68	168	24860	4.63	ng	96
55) 4-Nitrophenol	14.68	139	11687	12.72	ng	# 1
57) Fluorene	15.34	166	38871	7.98	ng	99
70) Phenanthrene	17.08	178	265569	38.82	ng	99
71) Anthracene	17.17	178	78445	11.48	ng	99
74) Fluoranthene	19.10	202	263208	29.42	ng	98
77) Pyrene	19.47	202	222680	26.36	ng	99
80) Benzo(a)anthracene	21.22	228	138313	16.40	ng	97
82) Chrysene	21.27	228	101369	13.28	ng	97
85) Indeno(1,2,3-cd)pyrene	25.74	276	53085	5.54	ng	# 92
87) Benzo(b)fluoranthene	22.79	252	167723	18.44	ng	# 96
88) Benzo(k)fluoranthene	22.79	252	167723	19.27	ng	# 96
89) Benzo(a)pyrene	23.37	252	109358	13.11	ng	99
91) Benzo(g,h,i)perylene	26.44	276	45056	5.46	ng	# 92

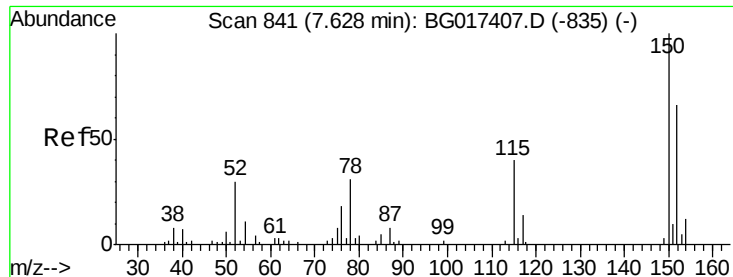
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 09 02:15:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

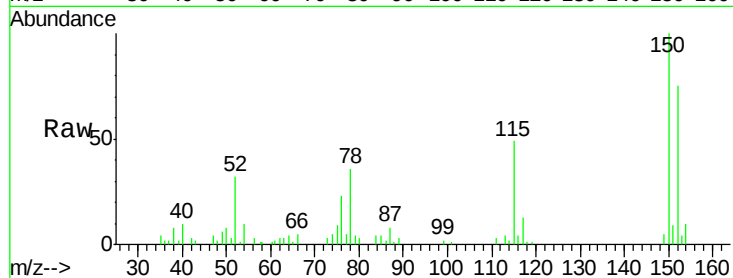
Tgt Ion:152 Resp: 22341

Ion Ratio Lower Upper

152 100

150 134.2 121.7 182.5

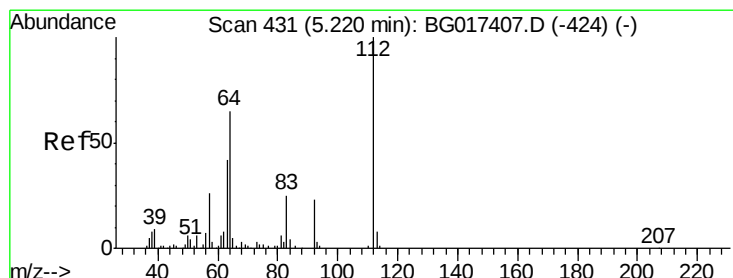
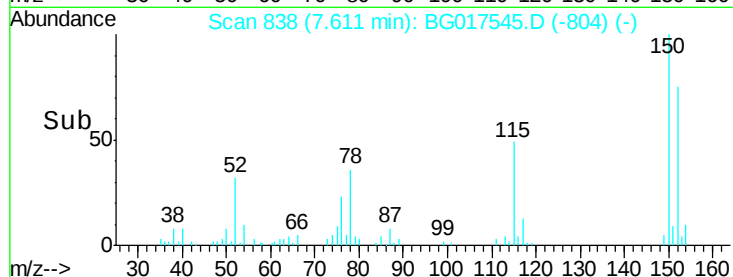
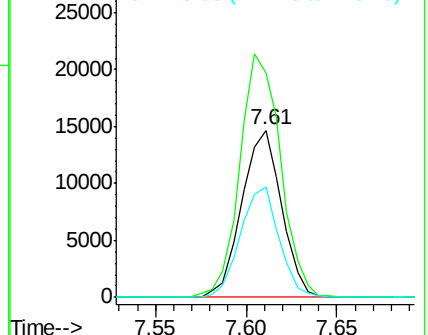
115 65.8 48.6 73.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 145.33 ng

RT: 5.21 min Scan# 429

Delta R.T. 0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

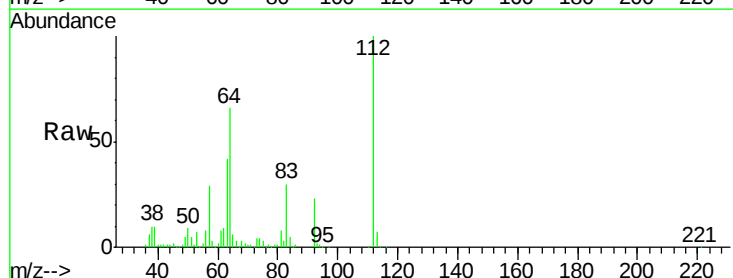
Tgt Ion:112 Resp: 184285

Ion Ratio Lower Upper

112 100

64 66.5 51.6 77.4

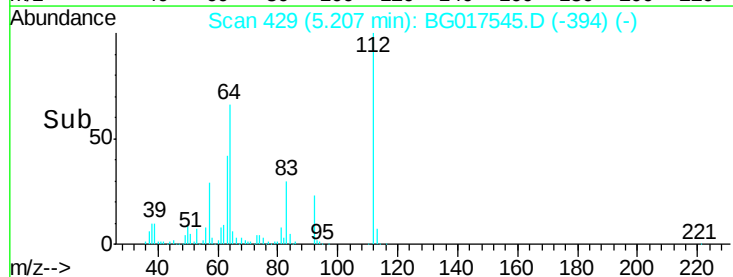
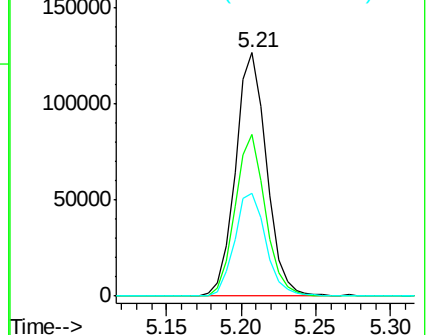
63 42.2 33.3 49.9

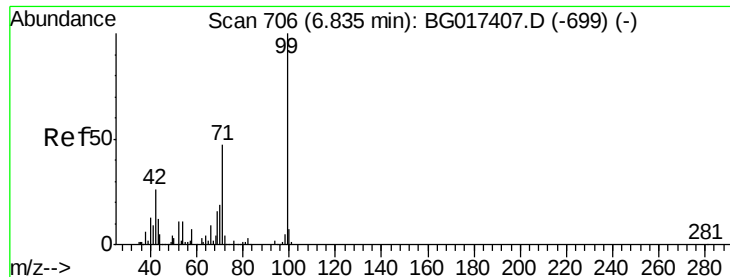


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 137.37 ng

RT: 6.82 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

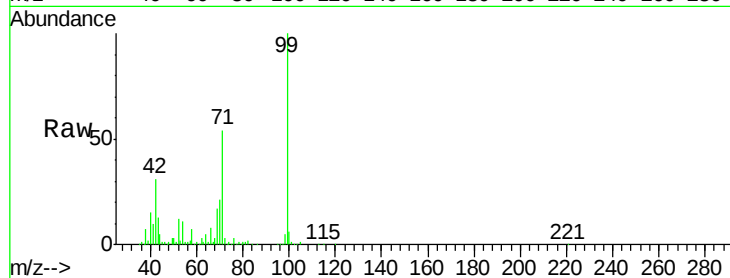
Tgt Ion: 99 Resp: 237312

Ion Ratio Lower Upper

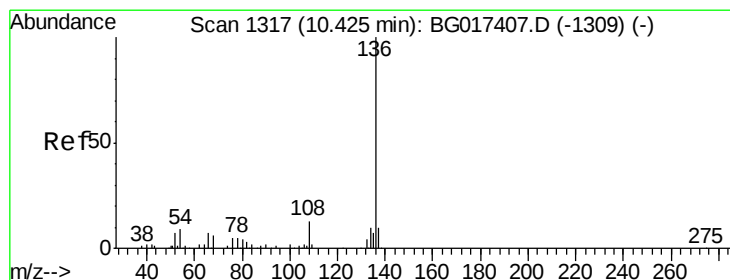
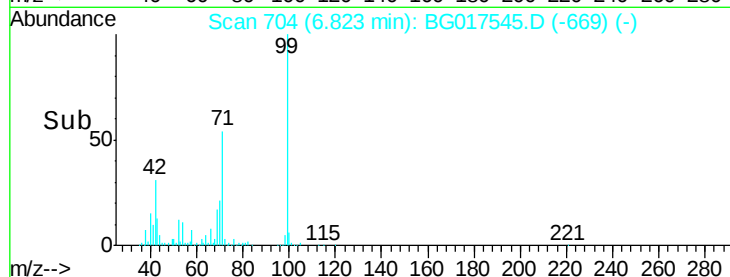
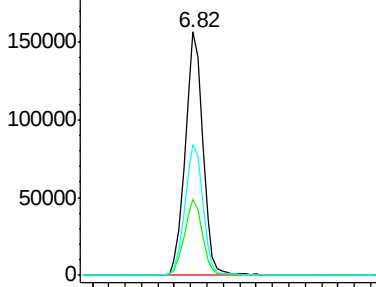
99 100

42 31.2 21.0 31.6

71 54.0 37.2 55.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.41 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Tgt Ion: 136 Resp: 88733

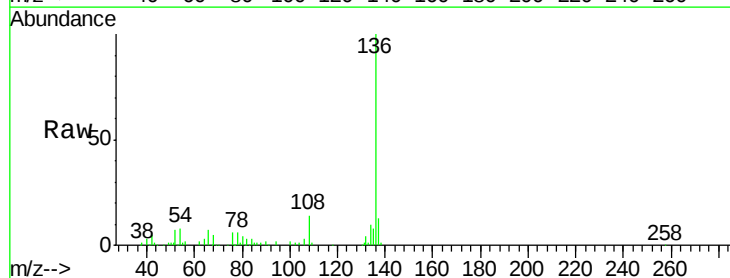
Ion Ratio Lower Upper

136 100

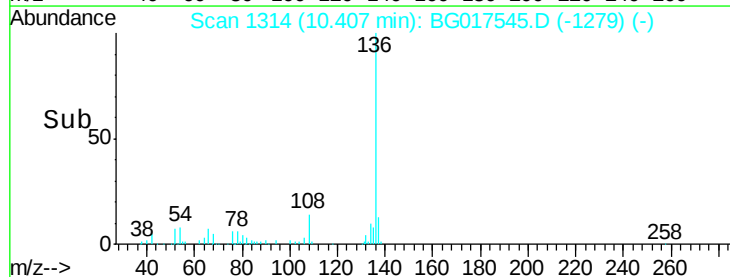
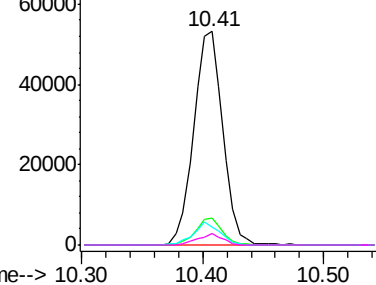
137 12.8 7.9 11.9#

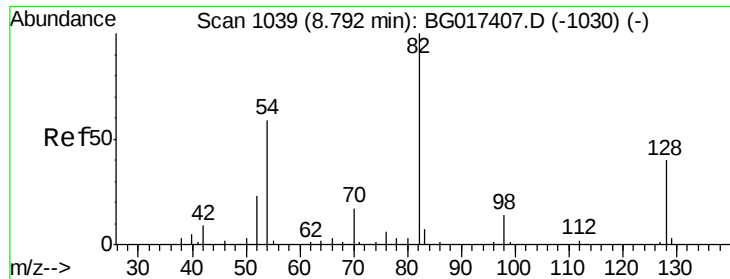
54 8.4 7.2 10.8

68 5.3 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

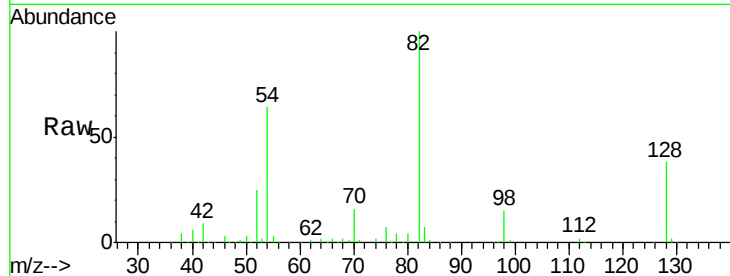




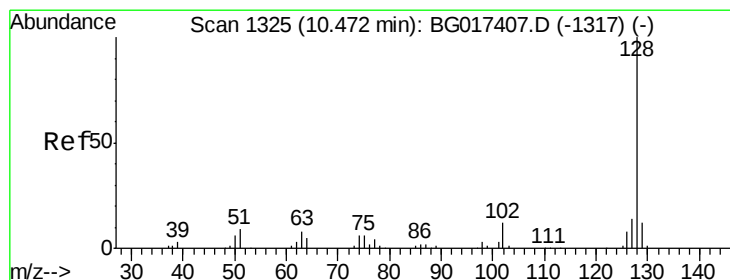
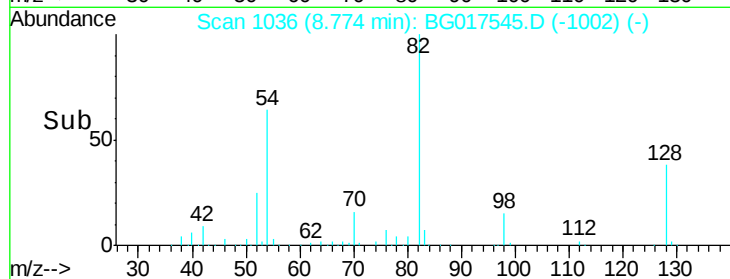
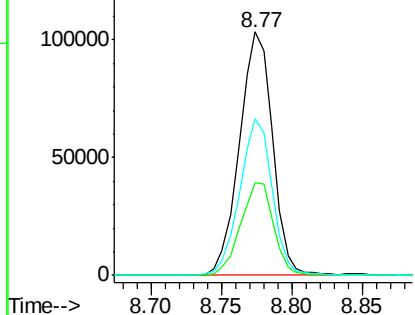
#23
Nitrobenzene-d5
Concen: 95.72 ng
RT: 8.77 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Instrument :
BNA_G
ClientSampleId :
SB-14DS

Tgt Ion: 82 Resp: 170138
Ion Ratio Lower Upper
82 100
128 38.1 32.2 48.4
54 64.2 47.4 71.2

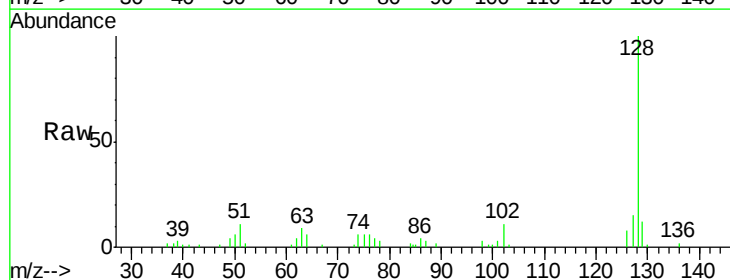


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

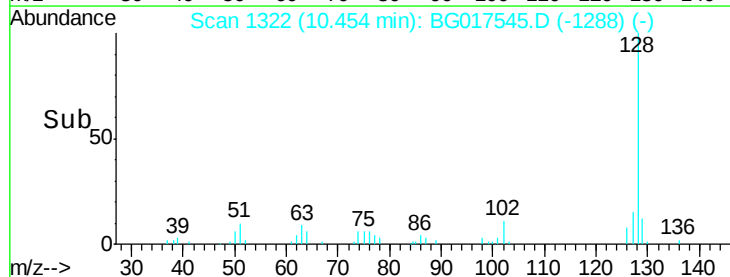
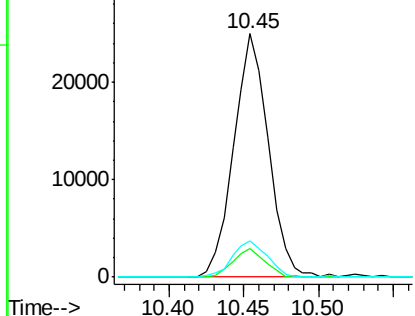


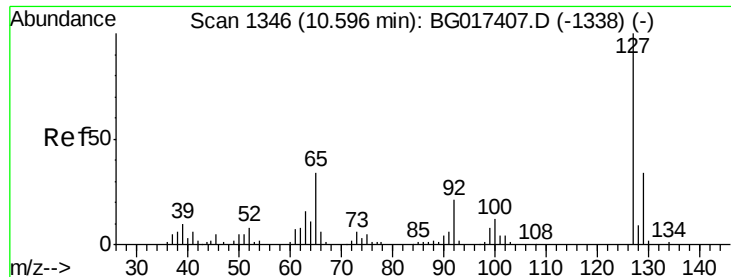
#31
Naphthalene
Concen: 8.68 ng
RT: 10.45 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion: 128 Resp: 40253
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 14.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

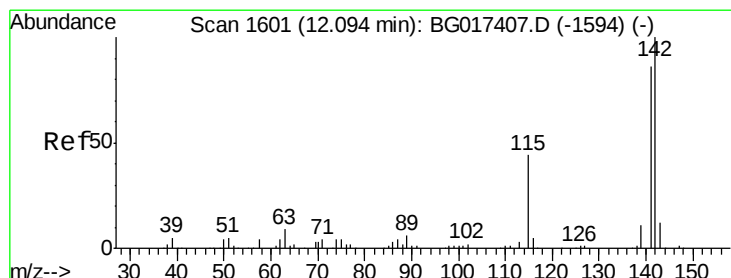
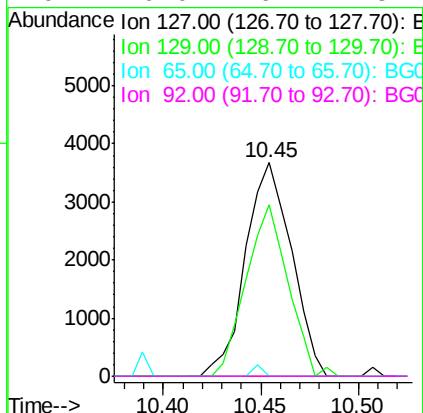
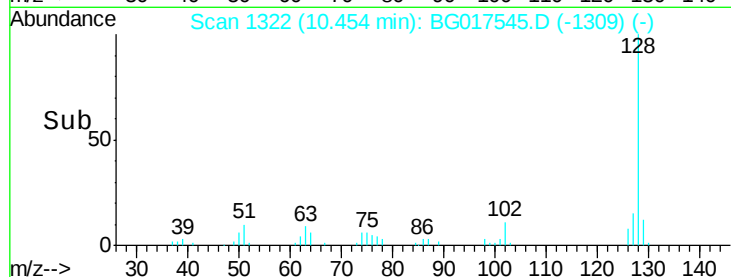
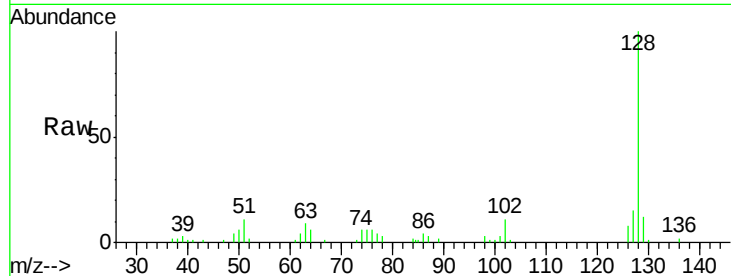




#33
4-Chloroaniline
Concen: 2.91 ng
RT: 10.45 min Scan# 1322
Delta R.T. -0.12 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

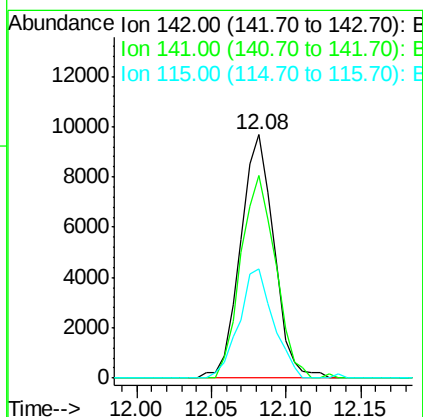
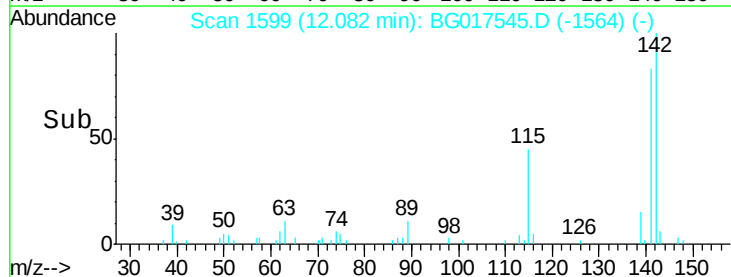
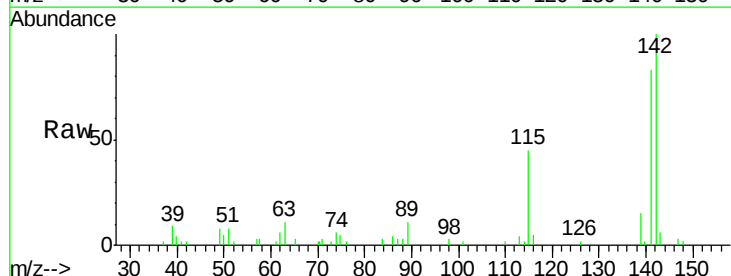
Instrument :
BNA_G
ClientSampleId :
SB-14DS

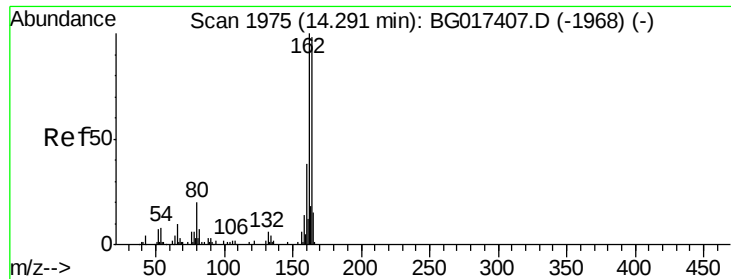
Tgt Ion:	127	Resp:	5992
Ion	Ratio	Lower	Upper
127	100		
129	80.4	27.1	40.7#
65	0.0	27.6	41.4#
92	0.0	16.7	25.1#



#37
2-Methylnaphthalene
Concen: 4.22 ng
RT: 12.08 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion:	142	Resp:	15035
Ion	Ratio	Lower	Upper
142	100		
141	83.4	68.6	102.8
115	44.6	35.3	52.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.28 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

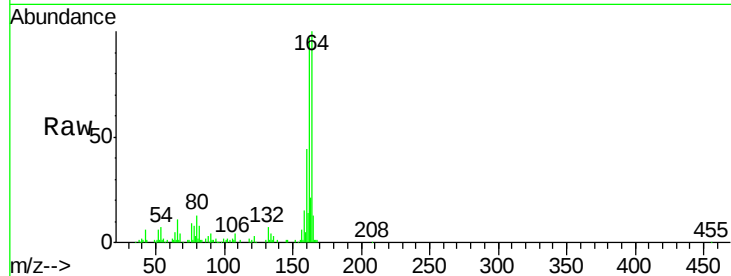
Tgt Ion:164 Resp: 57391

Ion Ratio Lower Upper

164 100

162 97.4 81.8 122.6

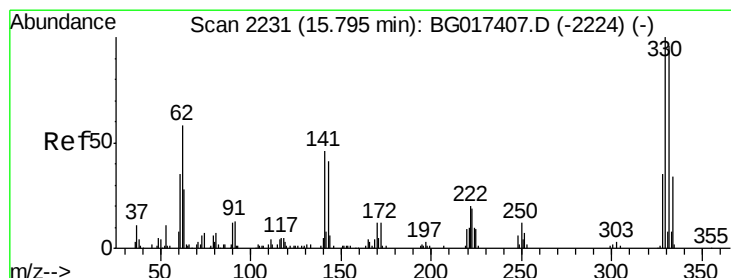
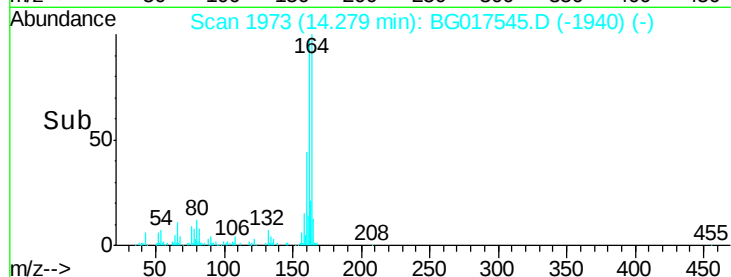
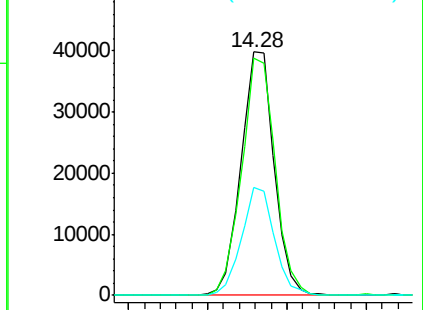
160 44.2 31.0 46.4



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: 135.23 ng

RT: 15.78 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

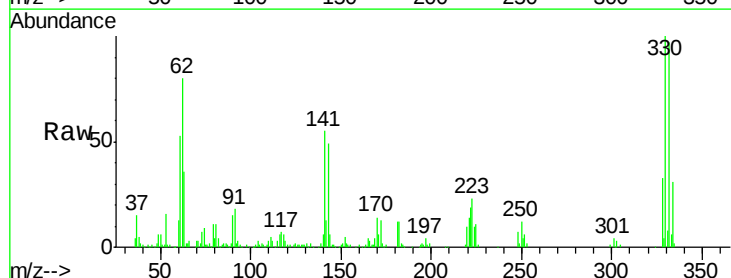
Tgt Ion:330 Resp: 107793

Ion Ratio Lower Upper

330 100

332 97.3 75.9 113.9

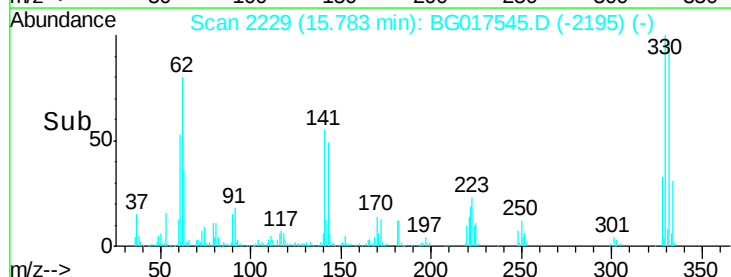
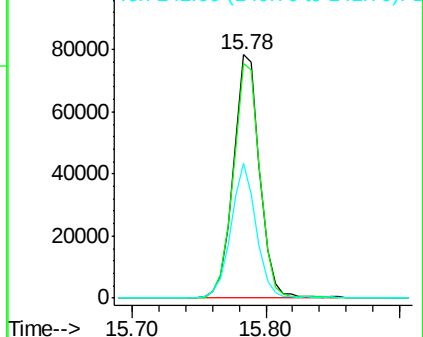
141 53.1 40.2 60.4

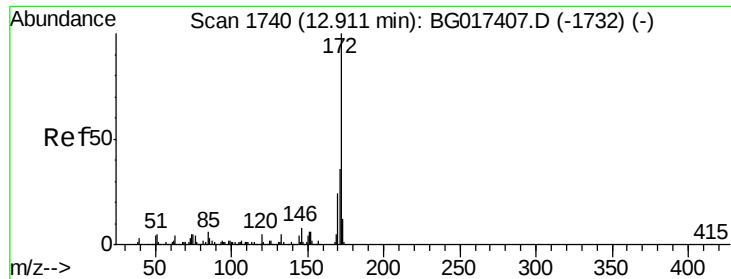


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

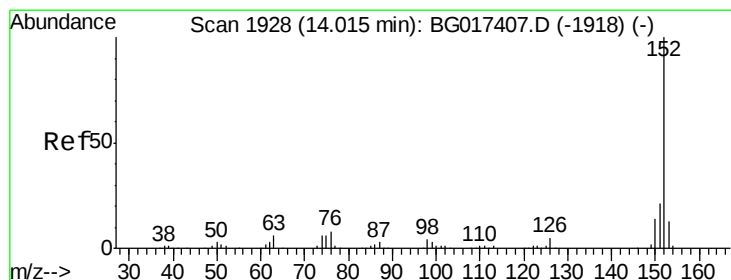
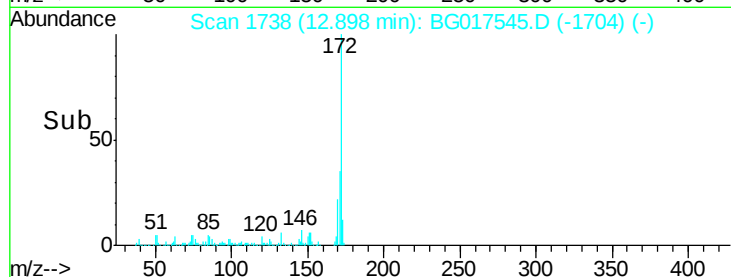
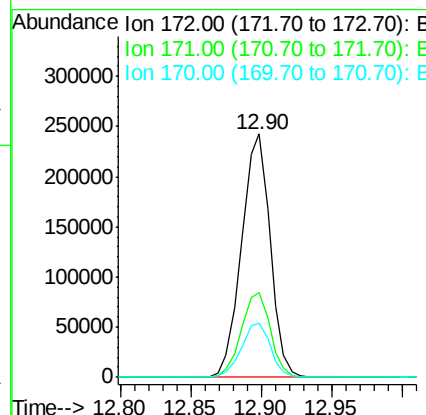
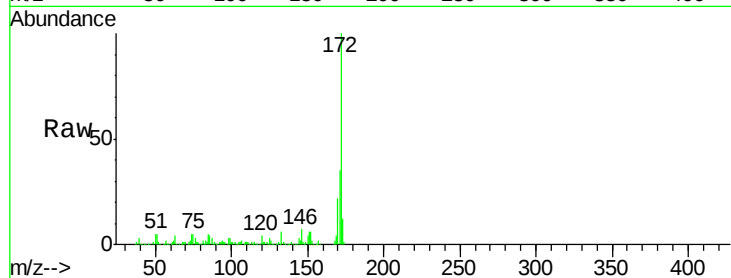




#44
2-Fluorobiphenyl
Concen: 90.21 ng
RT: 12.90 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

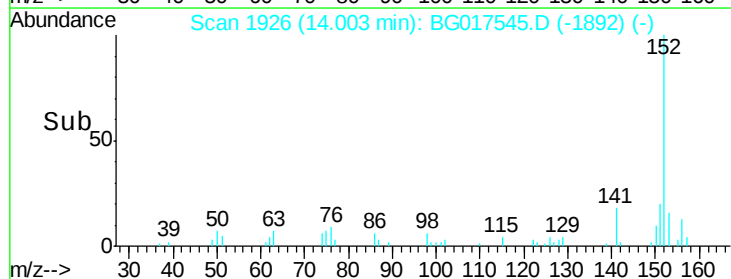
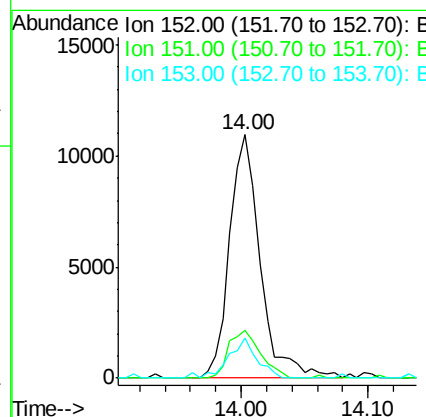
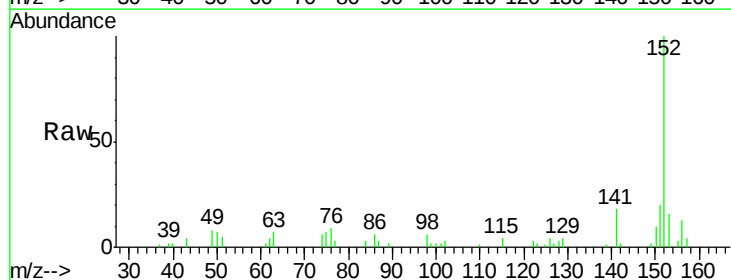
Instrument :
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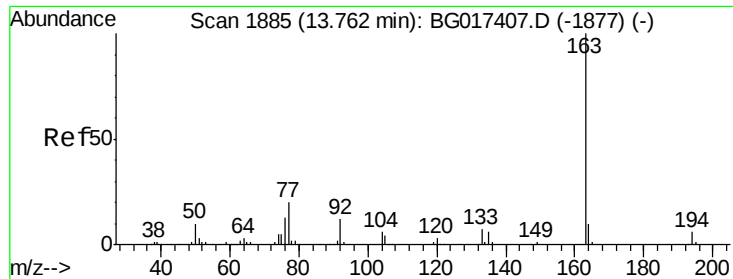
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	22.2	18.9	28.3



#48
Acenaphthylene
Concen: 2.96 ng
RT: 14.00 min Scan# 1926
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.5	24.7
153	16.3	10.7	16.1#





#49

Dimethylphthalate

Concen: 10.71 ng

RT: 13.74 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

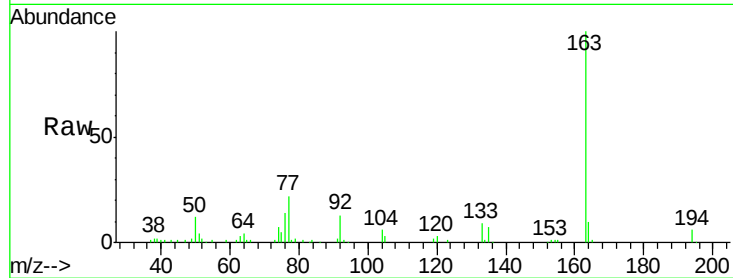
Tgt Ion:163 Resp: 53507

Ion Ratio Lower Upper

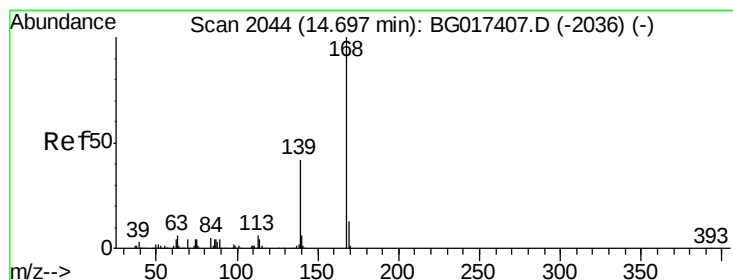
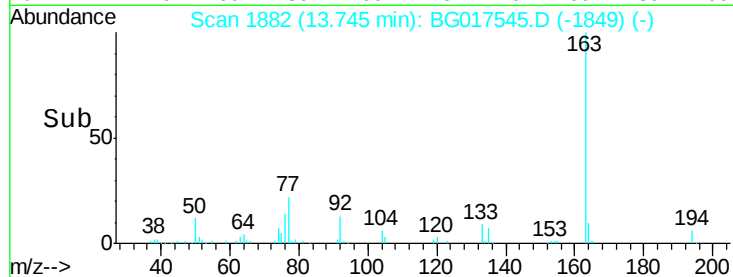
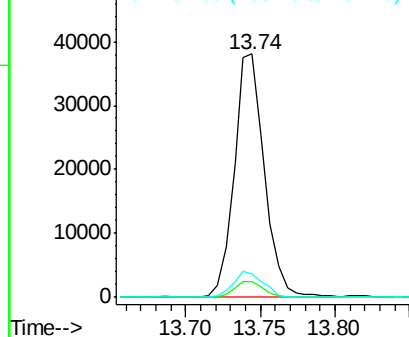
163 100

194 6.3 4.9 7.3

164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#54

Dibenzofuran

Concen: 4.63 ng

RT: 14.68 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

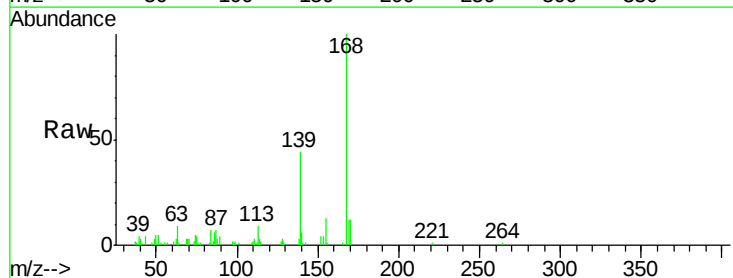
Tgt Ion:168 Resp: 24860

Ion Ratio Lower Upper

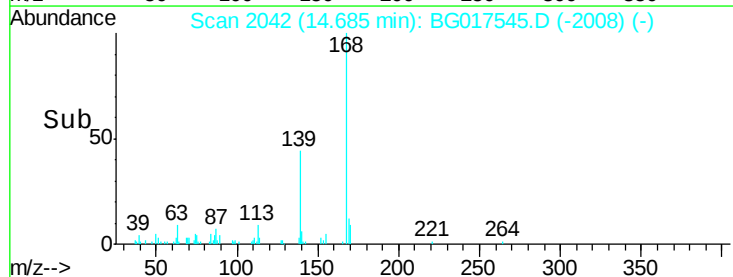
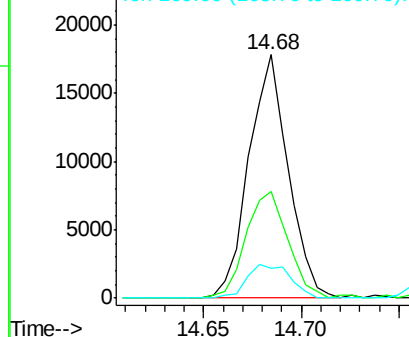
168 100

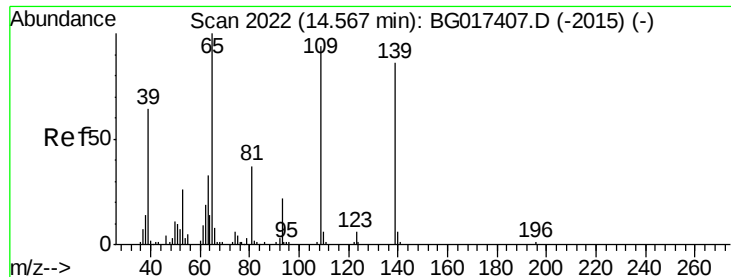
139 44.0 33.2 49.8

169 12.4 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

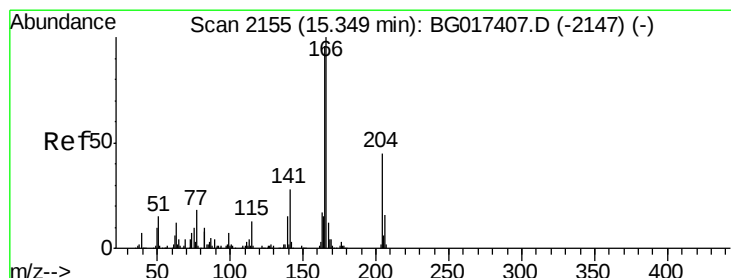
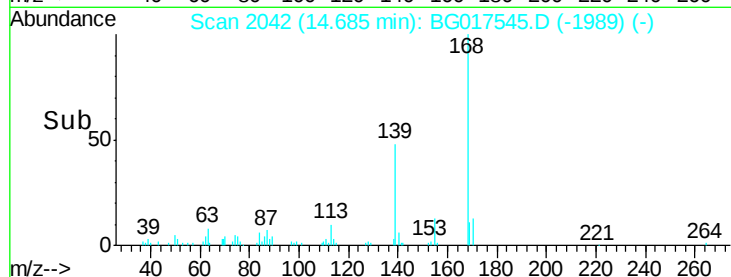
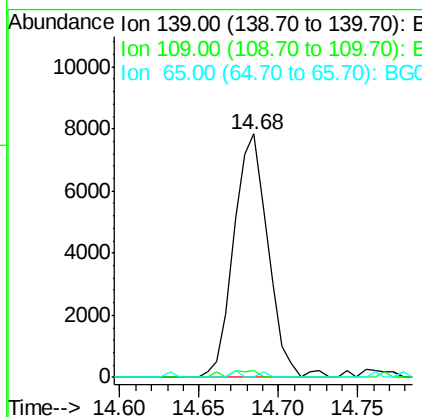
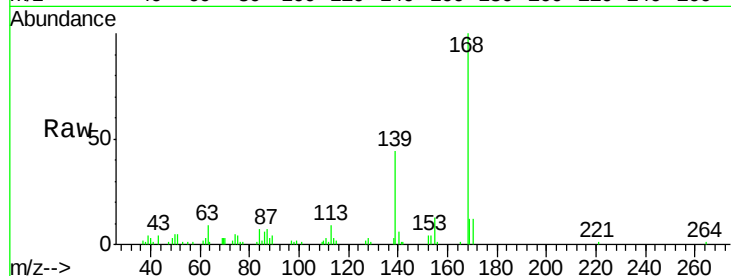




#55
4-Nitrophenol
Concen: 12.72 ng
RT: 14.68 min Scan# 2042
Delta R.T. 0.11 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

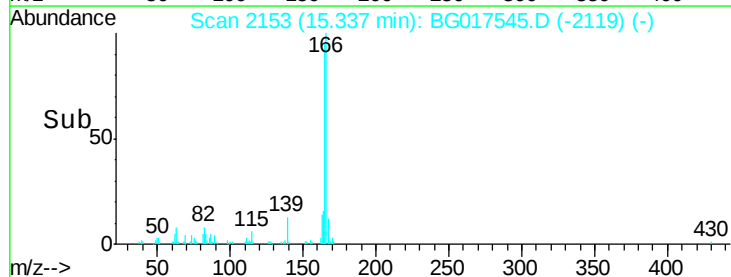
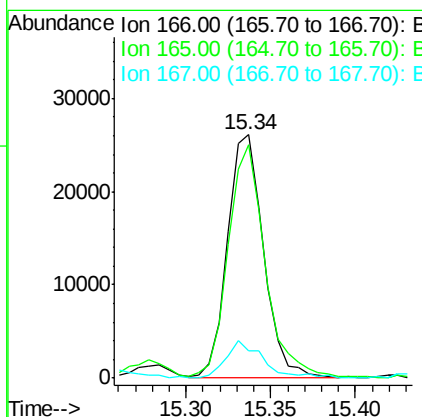
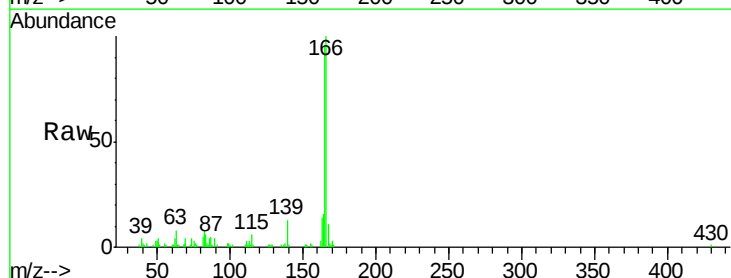
Instrument :
BNA_G
ClientSampleId :
SB-14DS

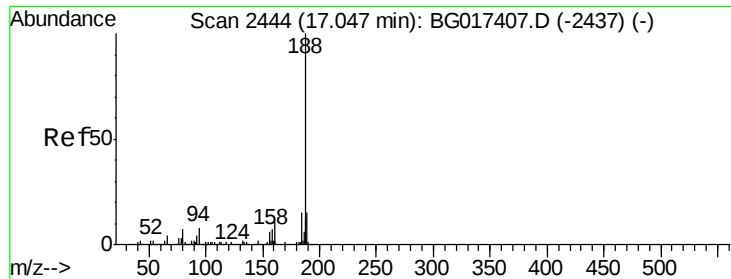
Tgt Ion:139 Resp: 11687
Ion Ratio Lower Upper
139 100
109 2.7 89.5 129.5#
65 0.0 95.9 135.9#



#57
Fluorene
Concen: 7.98 ng
RT: 15.34 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion:166 Resp: 38871
Ion Ratio Lower Upper
166 100
165 95.6 76.8 115.2
167 11.4 9.9 14.9

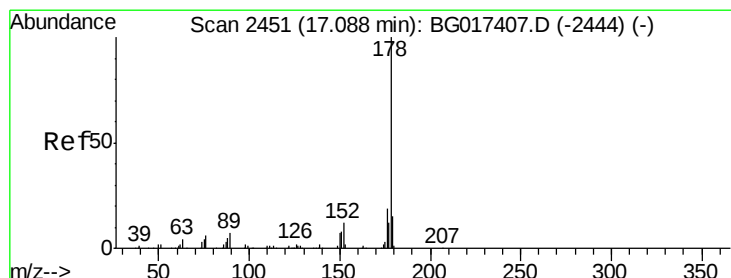
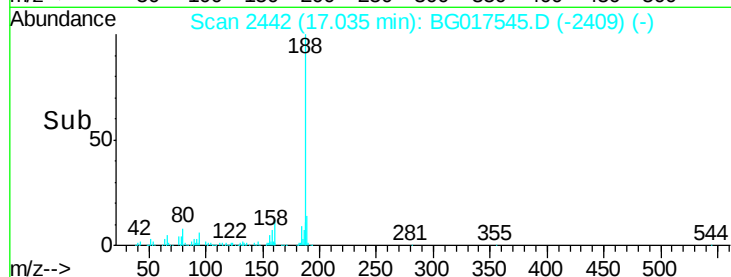
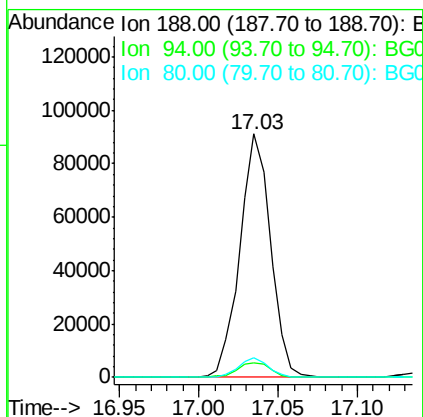
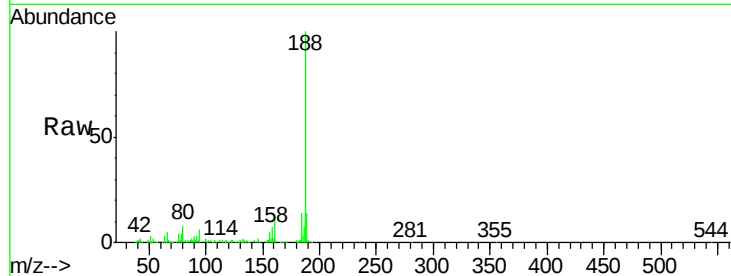




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.03 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

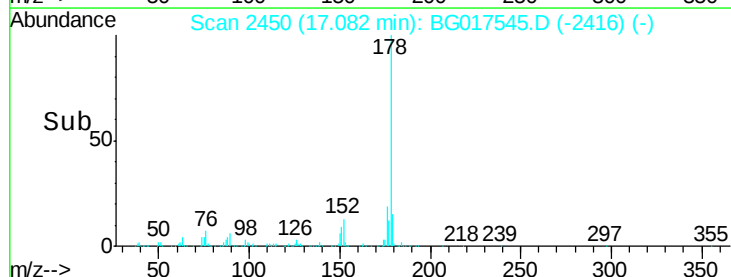
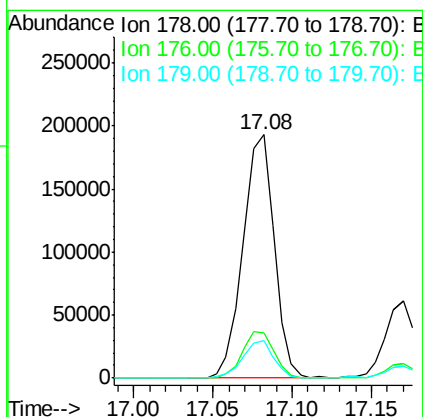
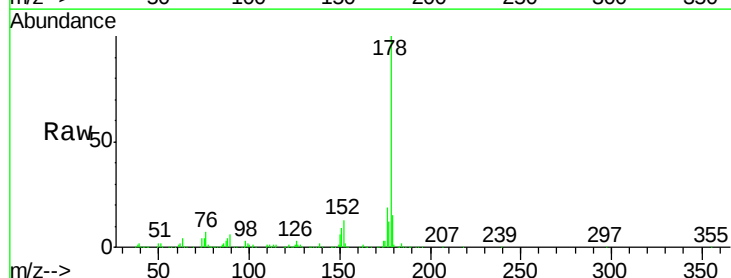
Instrument :
BNA_G
ClientSampleId :
SB-14DS

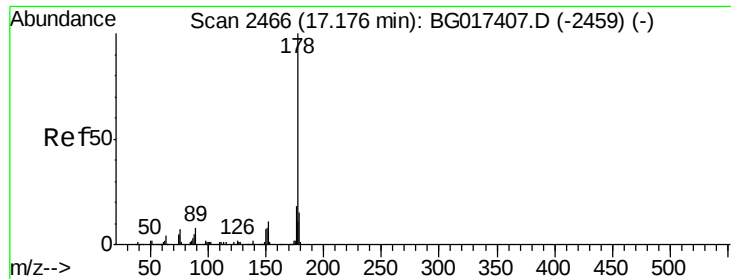
Tgt Ion:188 Resp: 122701
Ion Ratio Lower Upper
188 100
94 6.2 6.3 9.5#
80 8.1 5.2 7.8#



#70
Phenanthrene
Concen: 38.82 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion:178 Resp: 265569
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.4 12.2 18.2

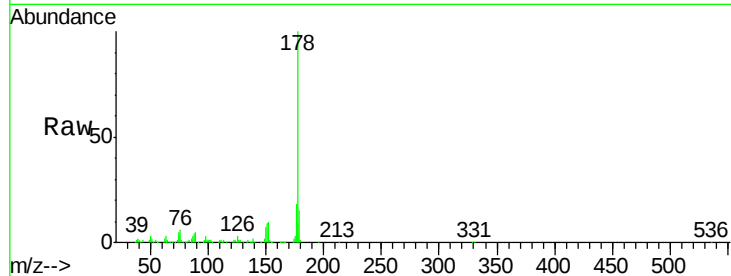




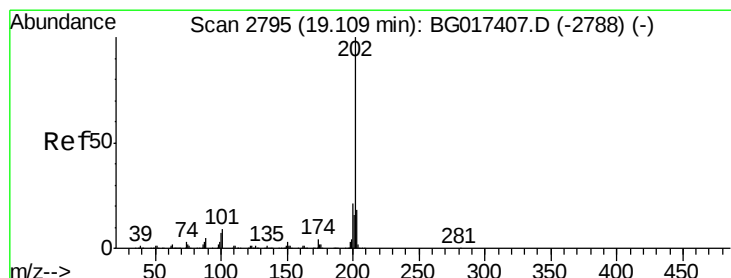
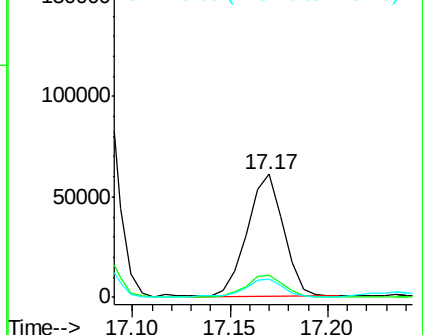
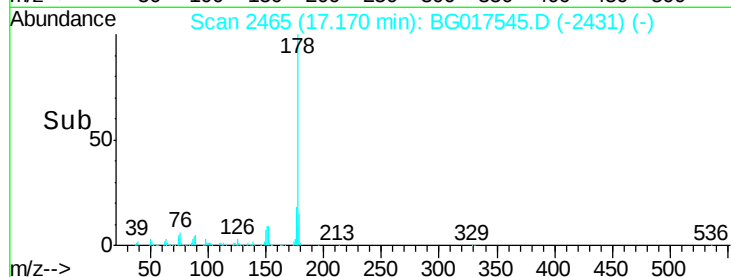
#71
 Anthracene
 Concen: 11.48 ng
 RT: 17.17 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

Tgt Ion:178 Resp: 78445
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.2 21.2
 179 15.3 12.2 18.4

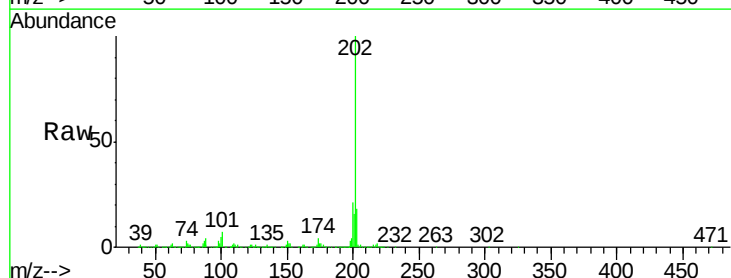


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

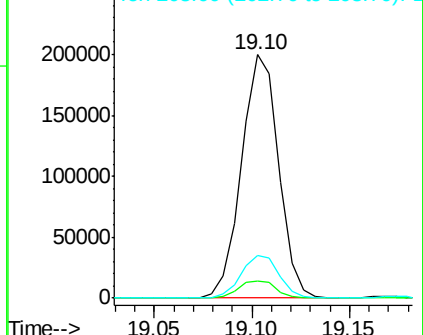
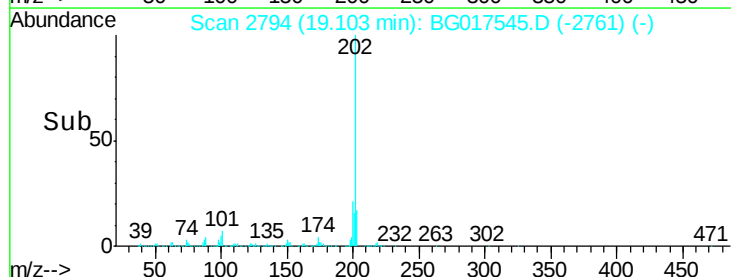


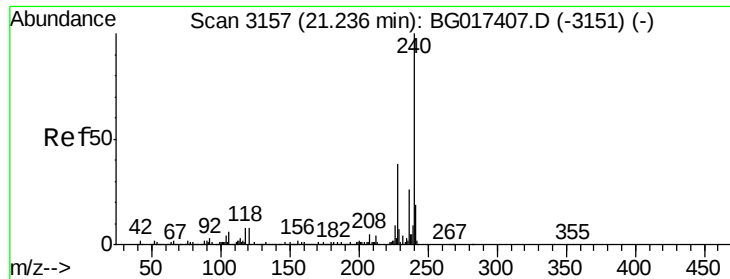
#74
 Fluoranthene
 Concen: 29.42 ng
 RT: 19.10 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion:202 Resp: 263208
 Ion Ratio Lower Upper
 202 100
 101 7.1 0.0 28.8
 203 17.5 0.0 37.6



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: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

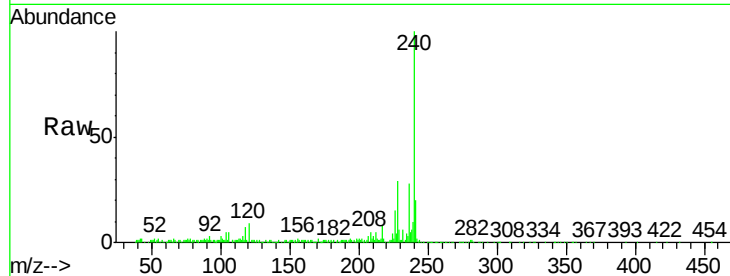
Tgt Ion:240 Resp: 137110

Ion Ratio Lower Upper

240 100

120 8.8 6.5 9.7

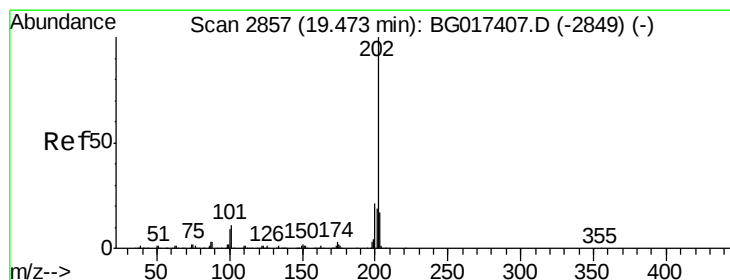
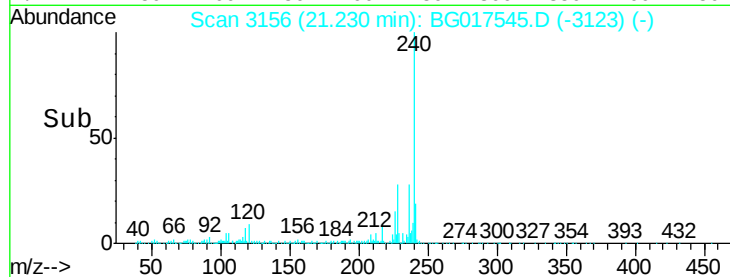
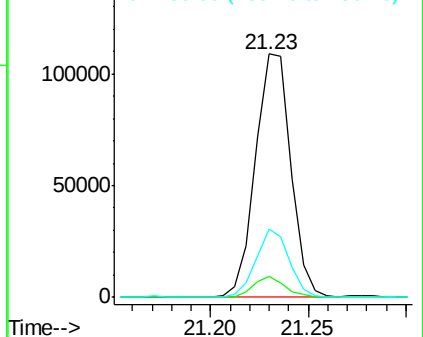
236 28.2 20.8 31.2



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: 26.36 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

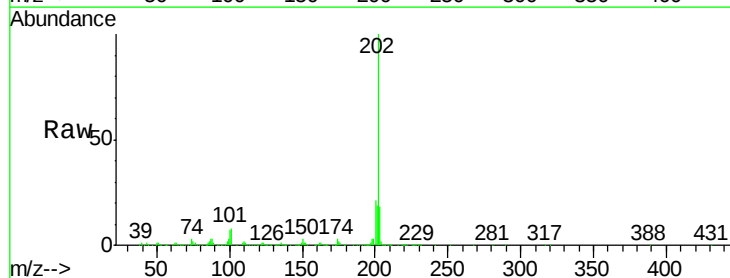
Tgt Ion:202 Resp: 222680

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

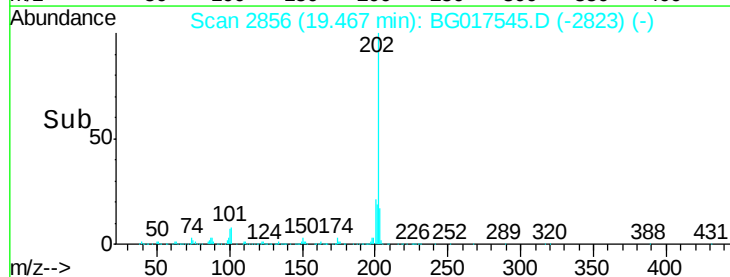
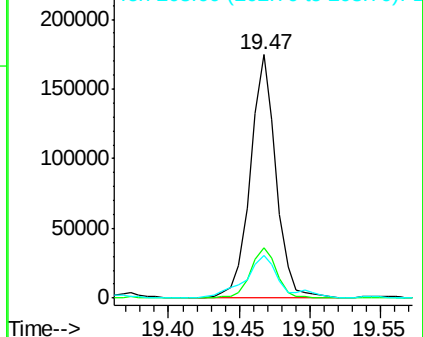
203 17.6 13.9 20.9

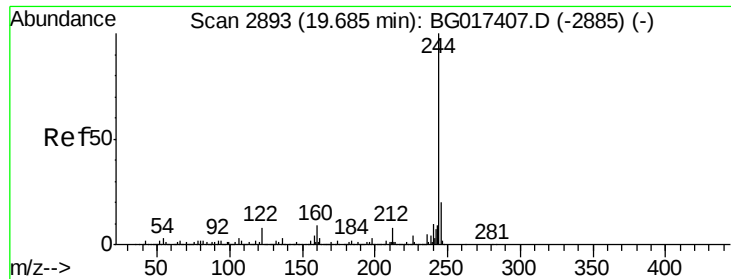


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

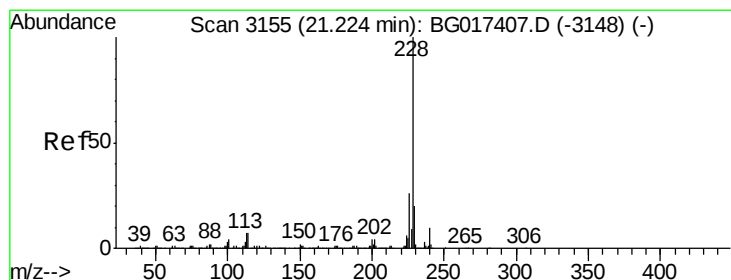
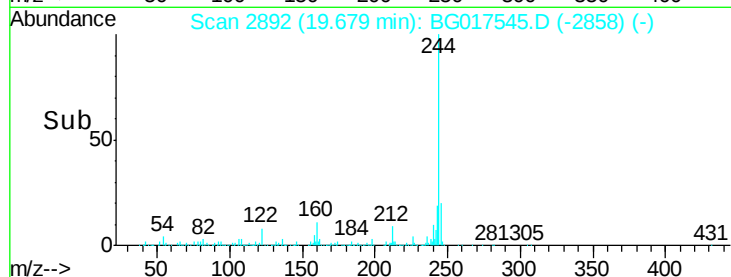
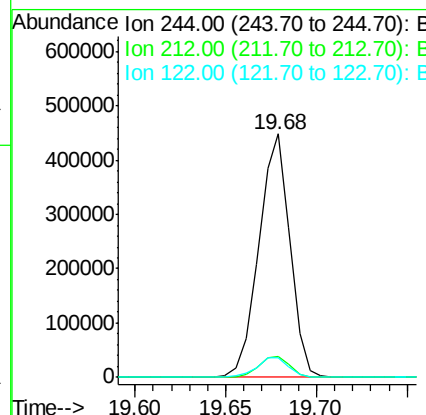
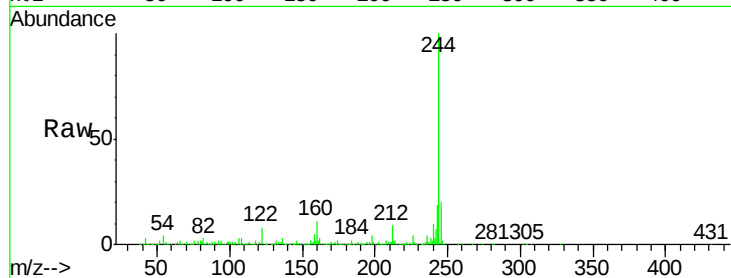




#78
 Terphenyl-d14
 Concen: 80.03 ng
 RT: 19.68 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

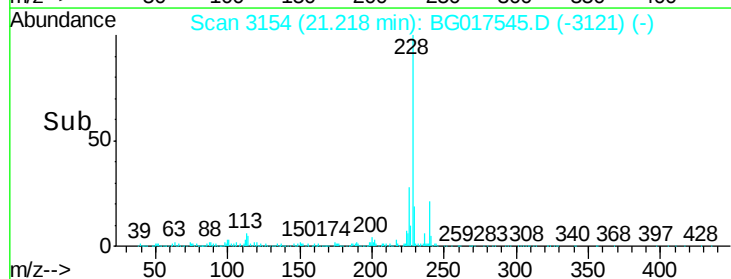
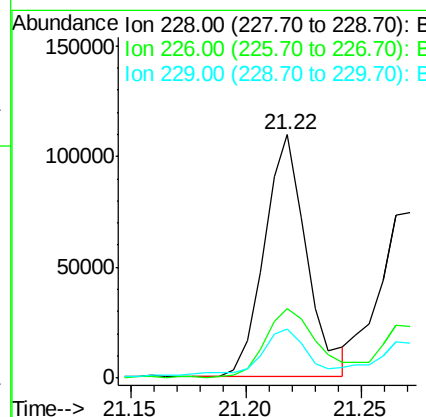
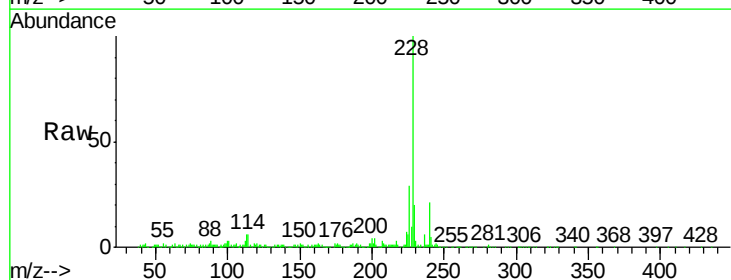
Instrument :
 BNA_G
 ClientSampleId :
 SB-14DS

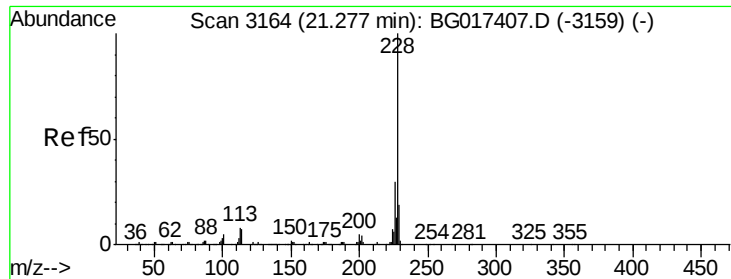
Tgt Ion:244 Resp: 530936
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.4 9.6
 122 7.8 6.6 10.0



#80
 Benzo(a)anthracene
 Concen: 16.40 ng
 RT: 21.22 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG017545.D
 Acq: 8 Jun 2015 16:19

Tgt Ion:228 Resp: 138313
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.0 31.6
 229 20.2 15.7 23.5





#82

Chrysene

Concen: 13.28 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

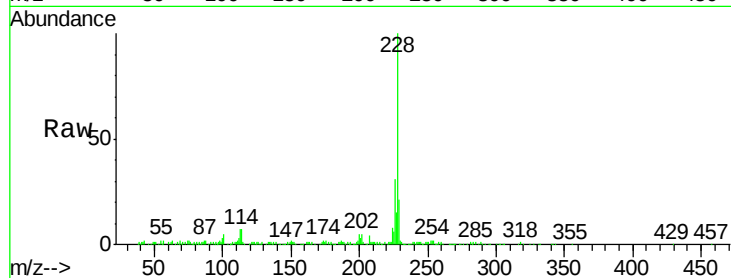
Tgt Ion:228 Resp: 101369

Ion Ratio Lower Upper

228 100

226 30.9 23.7 35.5

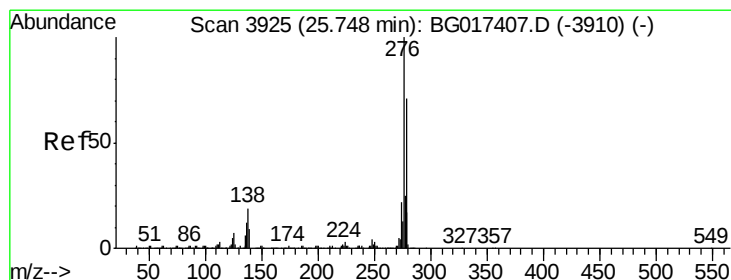
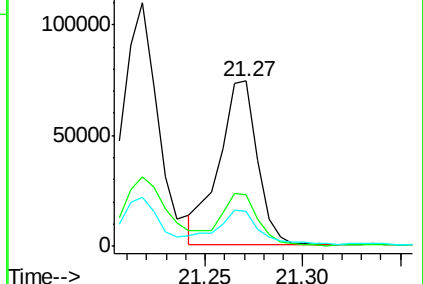
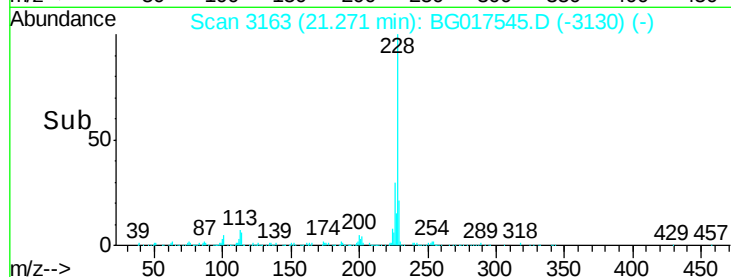
229 21.0 15.2 22.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.54 ng

RT: 25.74 min Scan# 3923

Delta R.T. -0.03 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

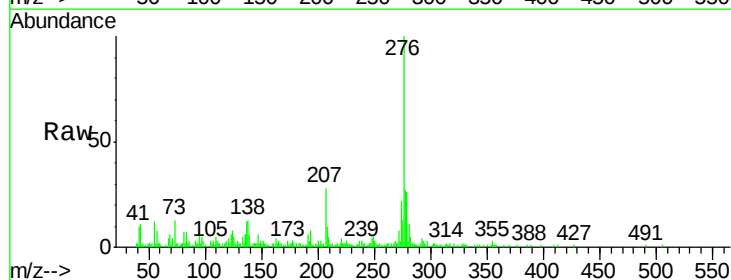
Tgt Ion:276 Resp: 53085

Ion Ratio Lower Upper

276 100

138 13.8 15.4 23.0#

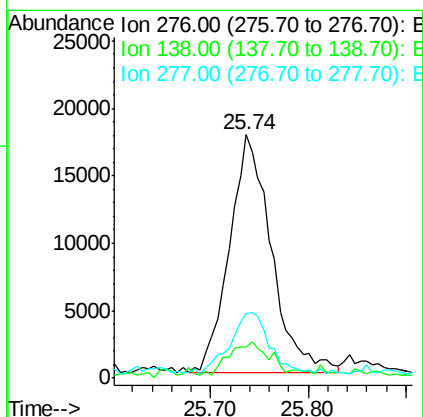
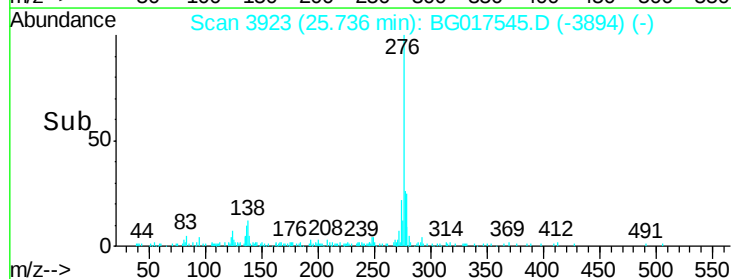
277 23.3 20.5 30.7

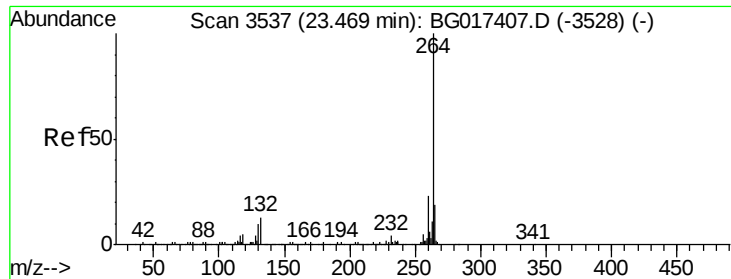


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.47 min Scan# 3537

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

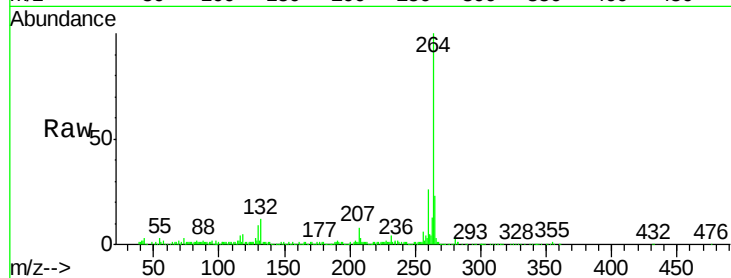
Tgt Ion:264 Resp: 143535

Ion Ratio Lower Upper

264 100

260 25.7 18.2 27.4

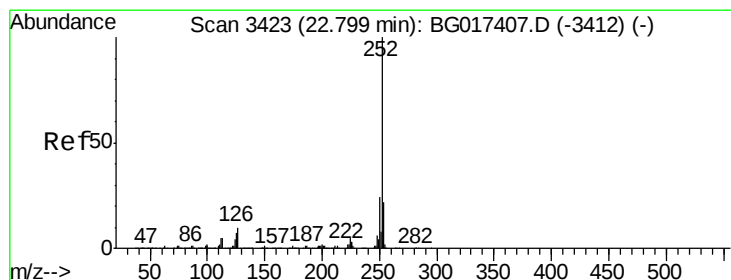
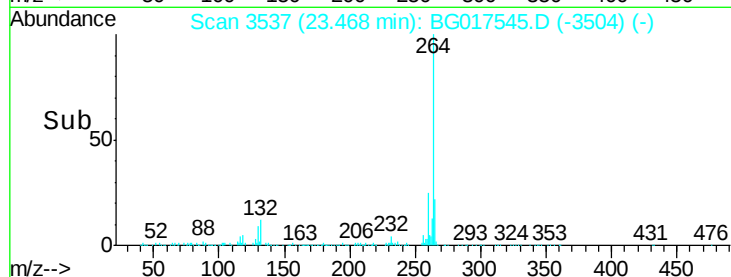
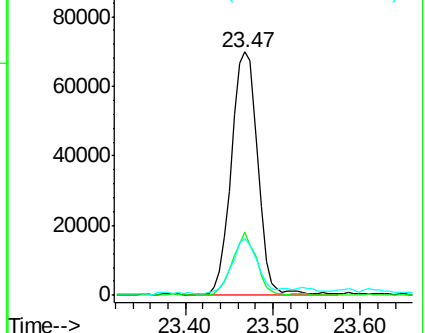
265 23.3 15.8 23.6



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



#87

Benzo(b)fluoranthene

Concen: 18.44 ng

RT: 22.79 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

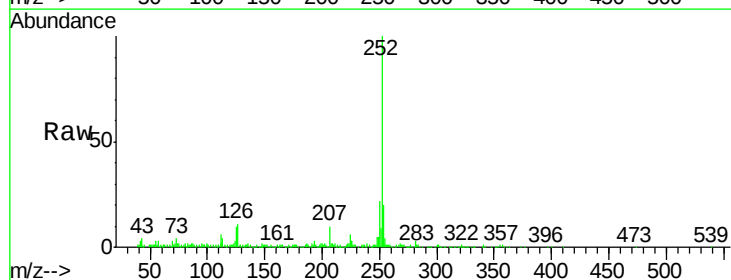
Tgt Ion:252 Resp: 167723

Ion Ratio Lower Upper

252 100

253 20.4 17.4 26.2

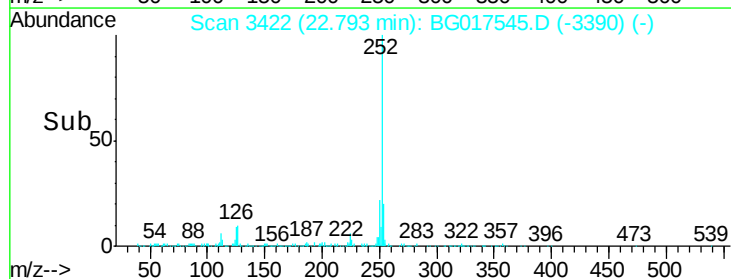
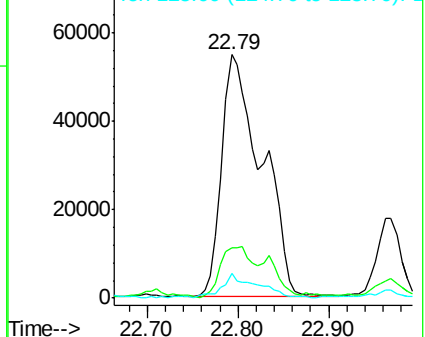
125 10.4 5.8 8.8#

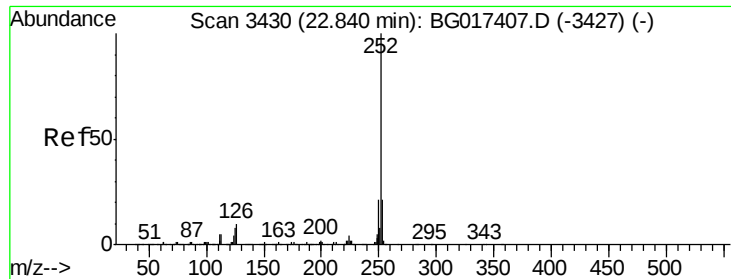


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

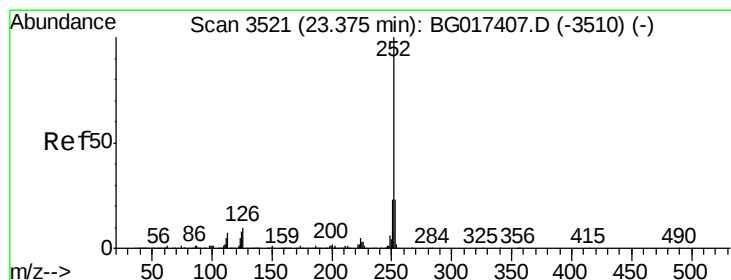
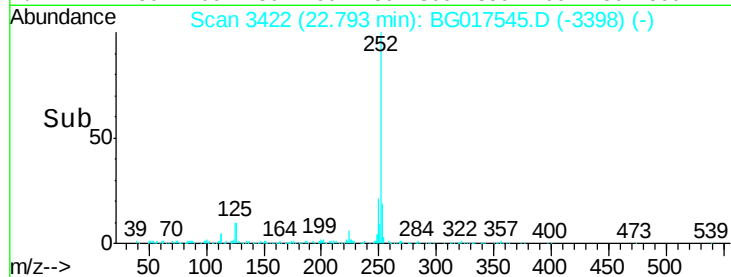
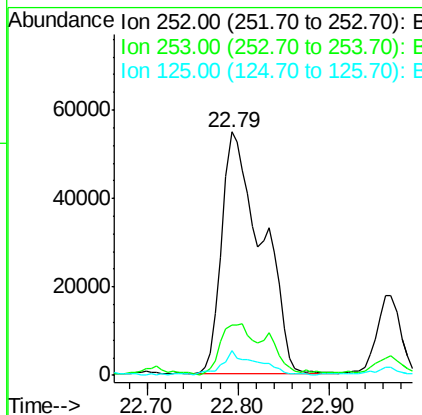
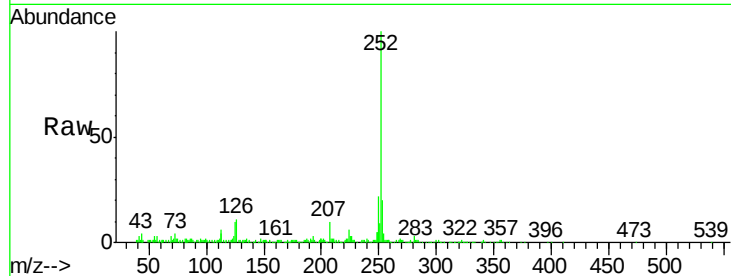




#88
Benzo(k)fluoranthene
Concen: 19.27 ng
RT: 22.79 min Scan# 3422
Delta R.T. -0.06 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

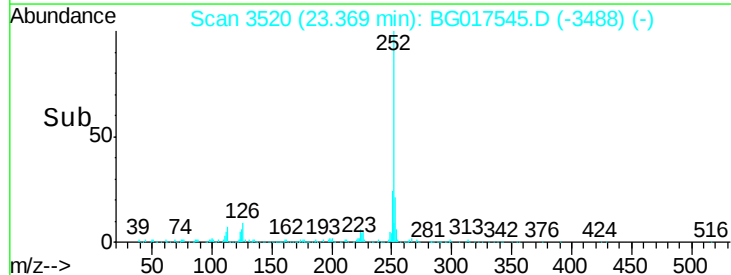
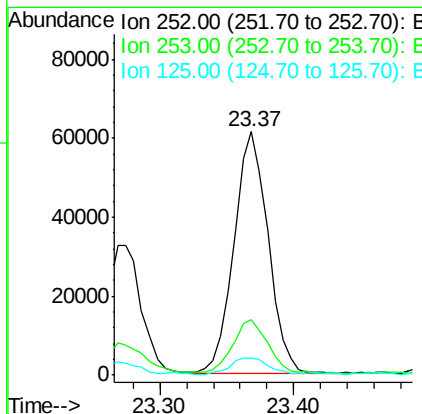
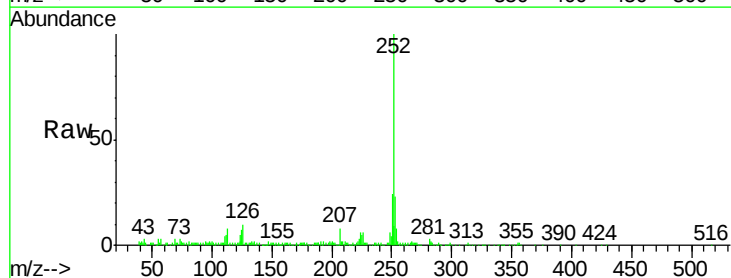
Instrument :
BNA_G
ClientSampleId :
SB-14DS

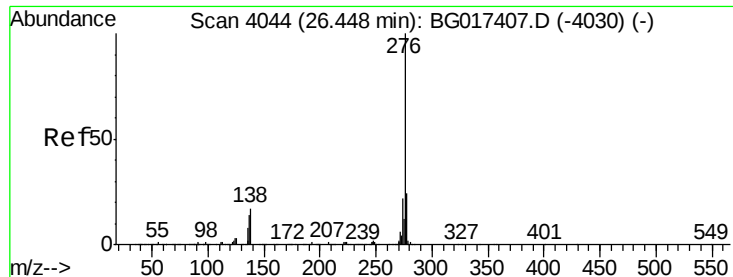
Tgt Ion:252 Resp: 167723
Ion Ratio Lower Upper
252 100
253 20.4 17.7 26.5
125 10.4 6.5 9.7#



#89
Benzo(a)pyrene
Concen: 13.11 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.01 min
Lab File: BG017545.D
Acq: 8 Jun 2015 16:19

Tgt Ion:252 Resp: 109358
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 7.1 6.5 9.7





#91

Benzo(g,h,i)perylene

Concen: 5.46 ng

RT: 26.44 min Scan# 4043

Delta R.T. -0.03 min

Lab File: BG017545.D

Acq: 8 Jun 2015 16:19

Instrument :

BNA_G

ClientSampleId :

SB-14DS

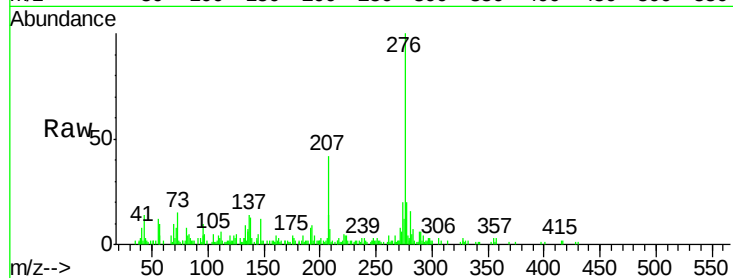
Tgt Ion: 276 Resp: 45056

Ion Ratio Lower Upper

276 100

277 20.3 19.2 28.8

138 13.4 13.5 20.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

