

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020082.D
 Acq On : 10 Dec 2015 19:15
 Operator : UM/SJ
 Sample : G4683-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S21-15

Quant Time: Dec 11 04:47:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	19654	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	84837	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	57013	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	135627	20.00	ng	-0.03
75) Chrysene-d12	21.76	240	166050	20.00	ng	-0.03
86) Perylene-d12	25.04	264	159045	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	171051	157.30	ng	-0.01
7) Phenol-d6	7.27	99	258742	157.59	ng	0.00
23) Nitrobenzene-d5	9.28	82	172536	103.79	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	128784	147.63	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	342584	82.05	ng	-0.03
78) Terphenyl-d14	20.08	244	584913	85.92	ng	-0.03

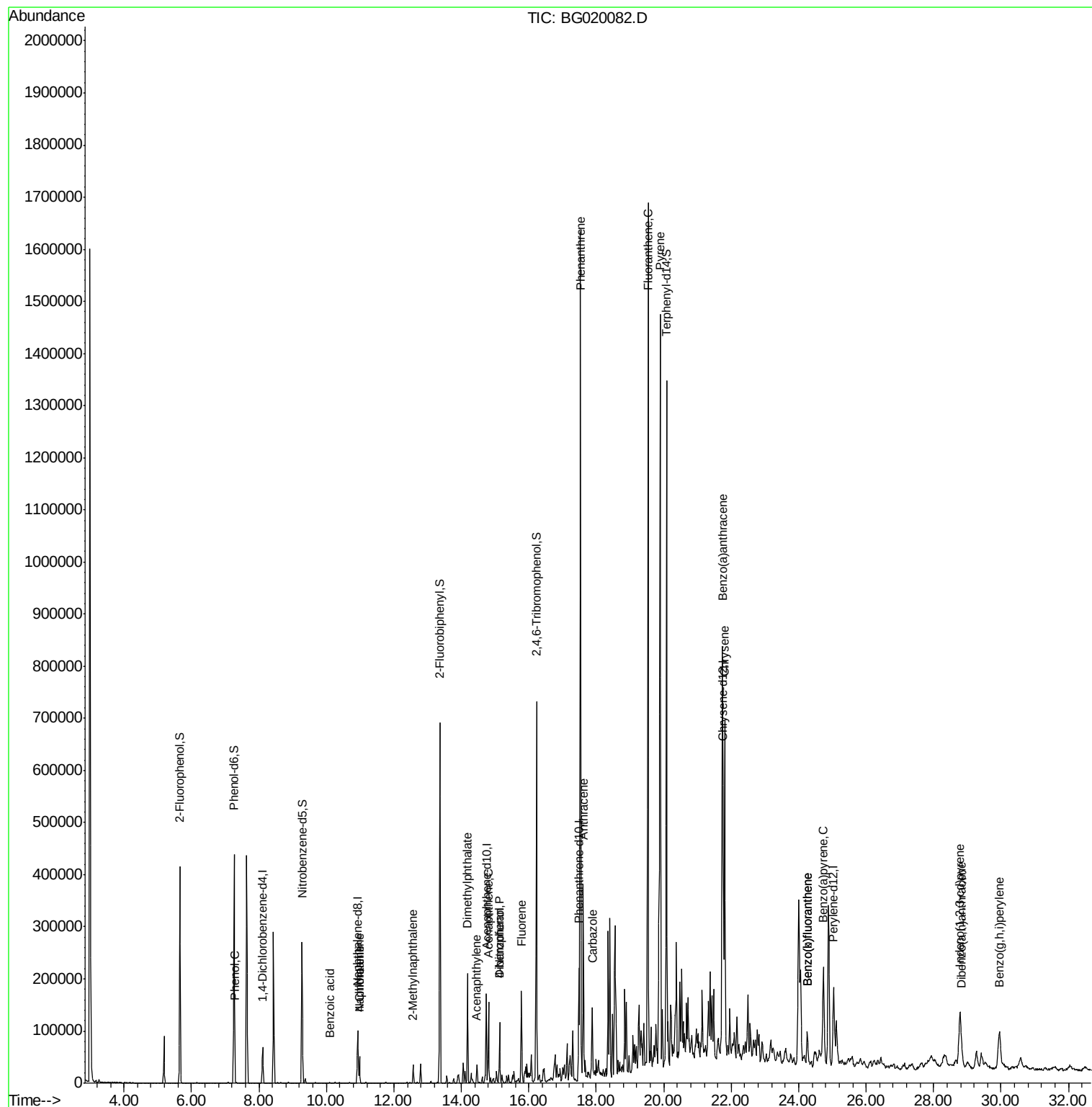
Target Compounds						Qvalue
10) Phenol	7.29	94	5237	3.03	ng	77
31) Naphthalene	10.98	128	41534	9.14	ng	96
32) Benzoic acid	10.09	122	298	6.27	ng	# 1
33) 4-Chloroaniline	10.98	127	5874	2.93	ng	# 42
37) 2-Methylnaphthalene	12.58	142	16234	4.87	ng	89
48) Acenaphthylene	14.46	152	24001	3.91	ng	# 97
49) Dimethylphthalate	14.18	163	134045	26.14	ng	97
51) Acenaphthene	14.80	154	54110	14.52	ng	95
54) Dibenzofuran	15.13	168	64424	11.62	ng	95
55) 4-Nitrophenol	15.13	139	25001	28.66	ng	# 13
57) Fluorene	15.78	166	77633	15.64	ng	96
70) Phenanthrene	17.53	178	1028360	134.01	ng	99
71) Anthracene	17.62	178	248479	31.79	ng	94
72) Carbazole	17.88	167	84767	12.31	ng	96
74) Fluoranthene	19.53	202	1054750	107.46	ng	95
77) Pyrene	19.89	202	932997	95.51	ng	97
80) Benzo(a)anthracene	21.74	228	493889	48.59	ng	100
82) Chrysene	21.81	228	438759	45.46	ng	97
85) Indeno(1,2,3-cd)pyrene	28.79	276	182455	17.16	ng	# 100
87) Benzo(b)fluoranthene	24.26	252	51657	5.12	ng	97
88) Benzo(k)fluoranthene	24.26	252	60536	6.06	ng	97
89) Benzo(a)pyrene	24.73	252	195424	20.42	ng	98
90) Dibenzo(a,h)anthracene	28.82	278	50538	5.35	ng	# 91
91) Benzo(g,h,i)perylene	29.95	276	160061	17.24	ng	# 90

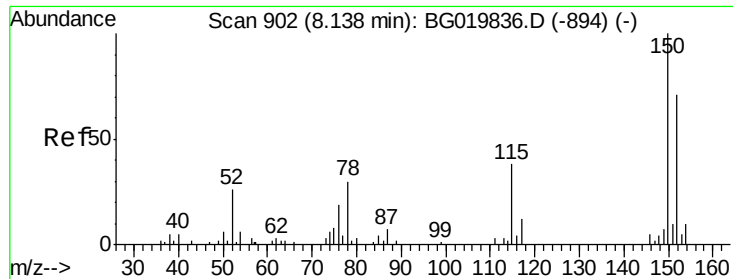
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 04:47:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampled :

S21-15

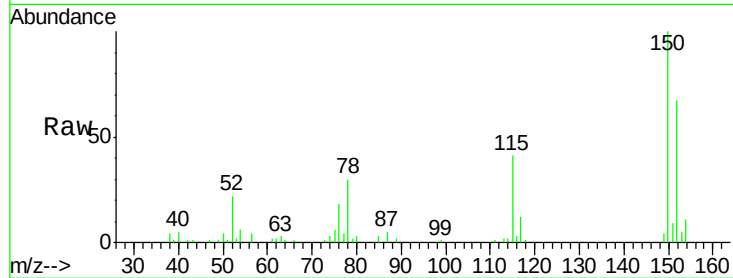
Tgt Ion:152 Resp: 19654

Ion Ratio Lower Upper

152 100

150 148.9 115.0 172.4

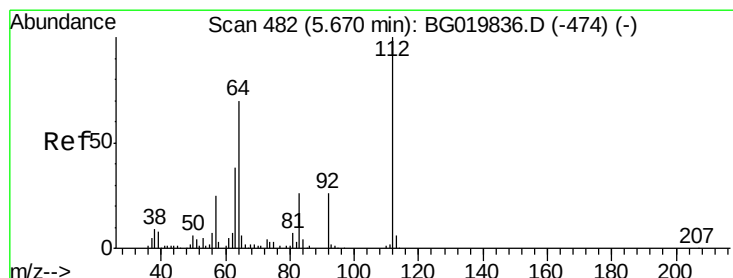
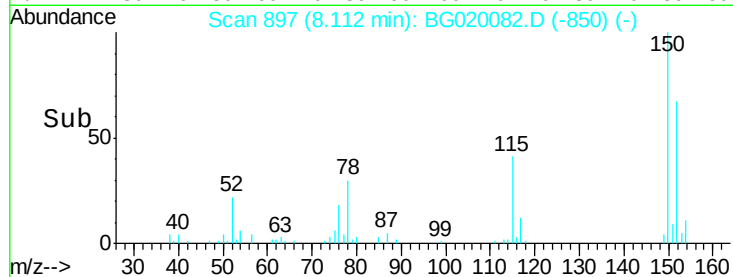
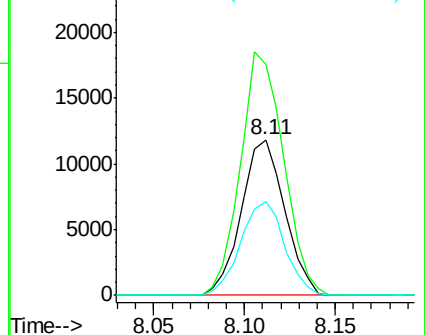
115 60.4 43.9 65.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 157.30 ng

RT: 5.66 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

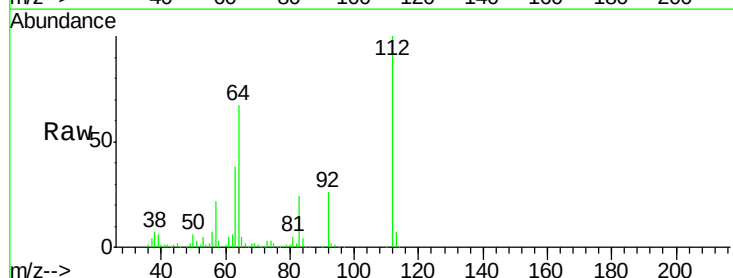
Tgt Ion:112 Resp: 171051

Ion Ratio Lower Upper

112 100

64 67.4 43.7 65.5#

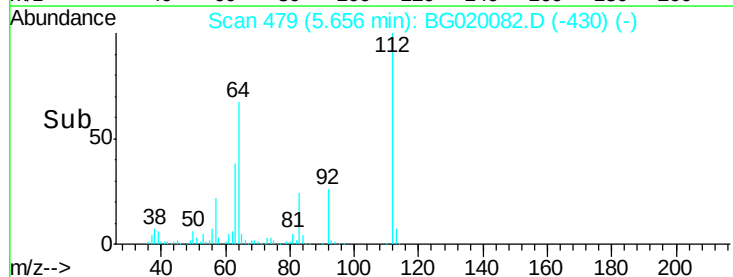
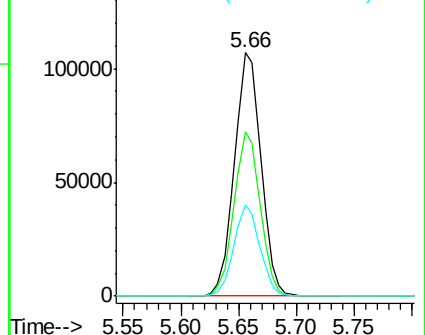
63 37.6 24.0 36.0#

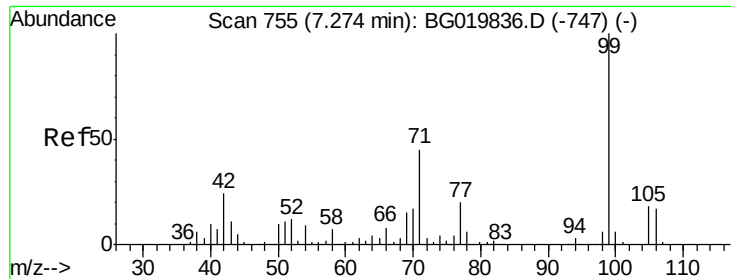


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 157.59 ng

RT: 7.27 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

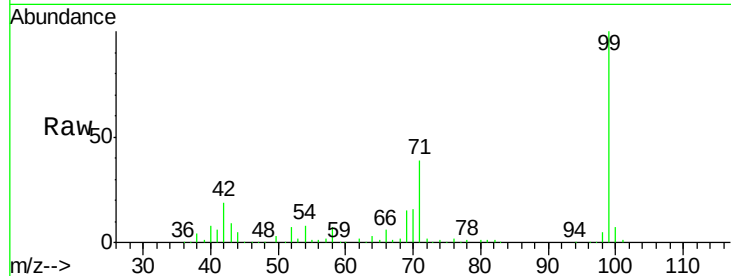
Tgt Ion: 99 Resp: 258742

Ion Ratio Lower Upper

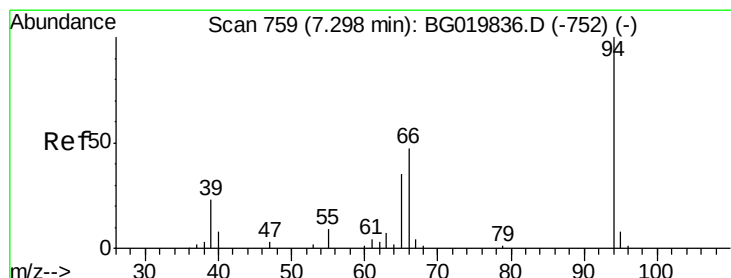
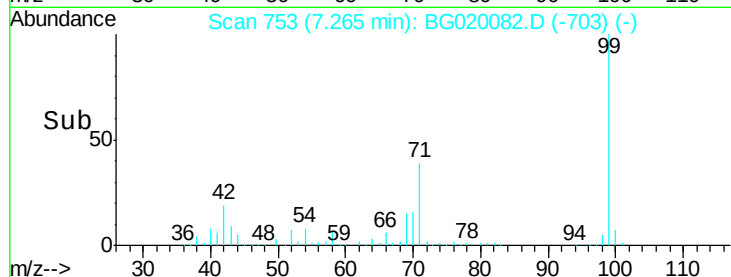
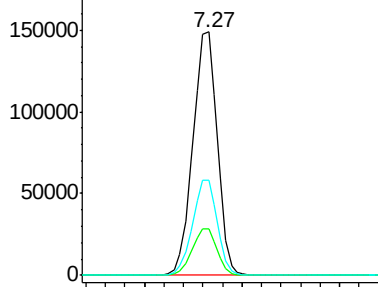
99 100

42 19.3 11.5 17.3#

71 39.3 22.6 34.0#



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



#10

Phenol

Concen: 3.03 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

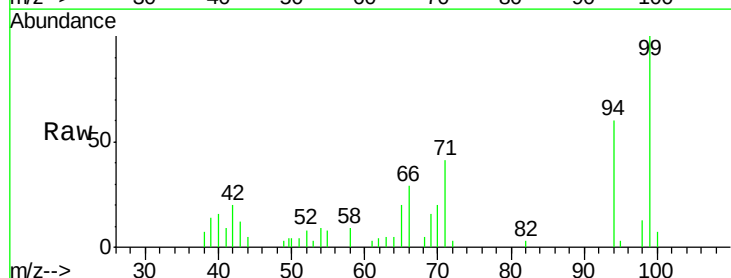
Tgt Ion: 94 Resp: 5237

Ion Ratio Lower Upper

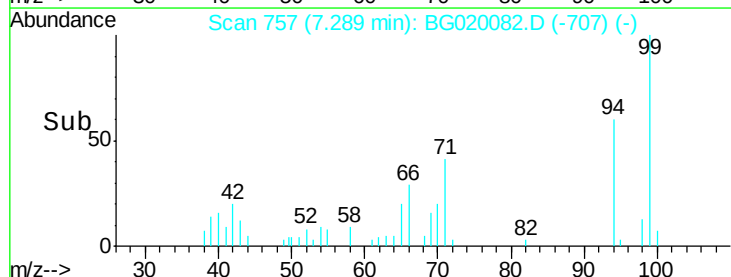
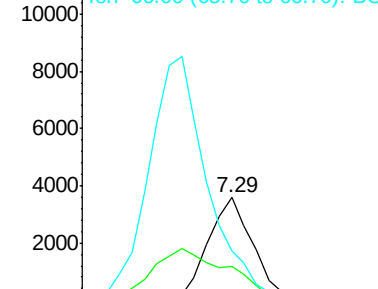
94 100

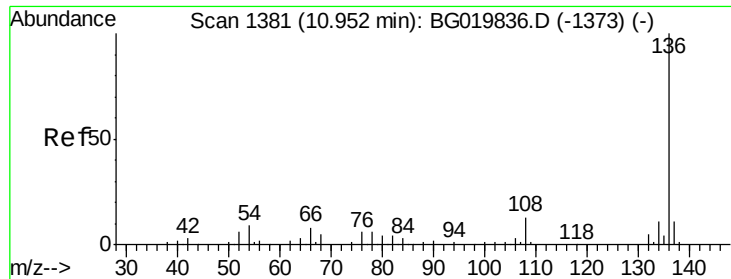
65 33.0 5.4 45.4

66 48.1 11.8 51.8



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

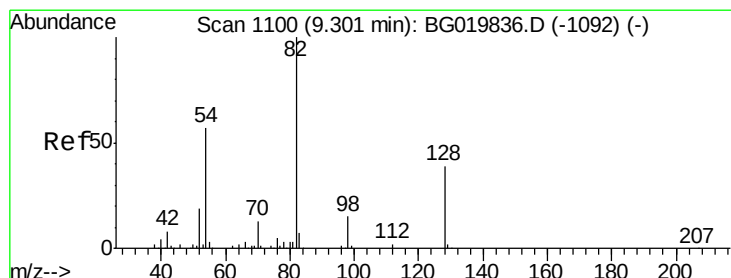
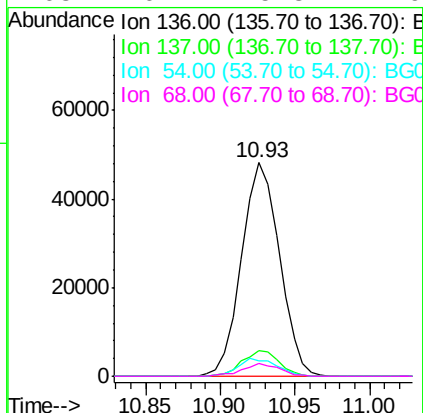
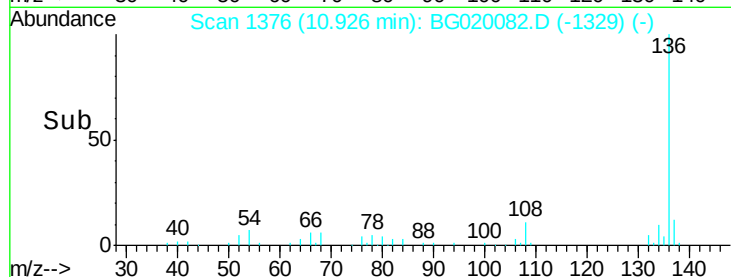
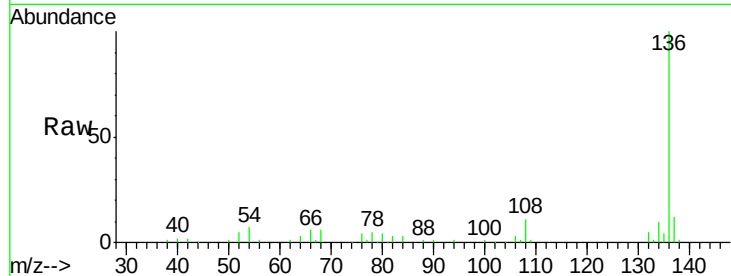




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

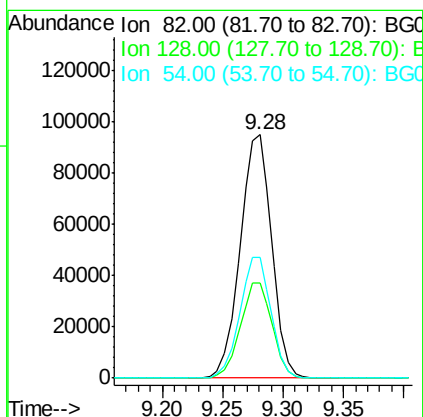
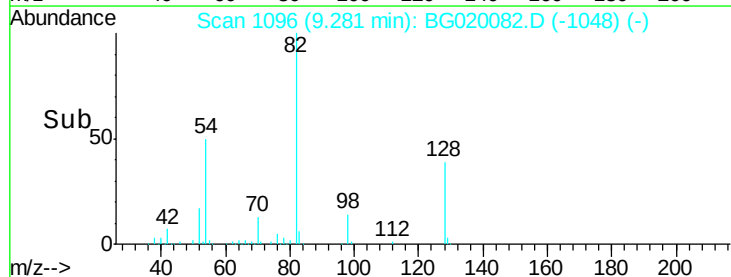
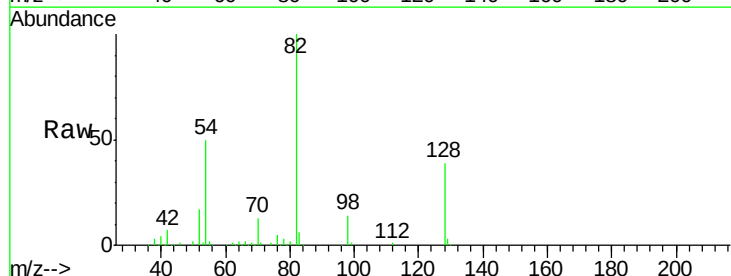
Instrument :
BNA_G
ClientSampleId :
S21-15

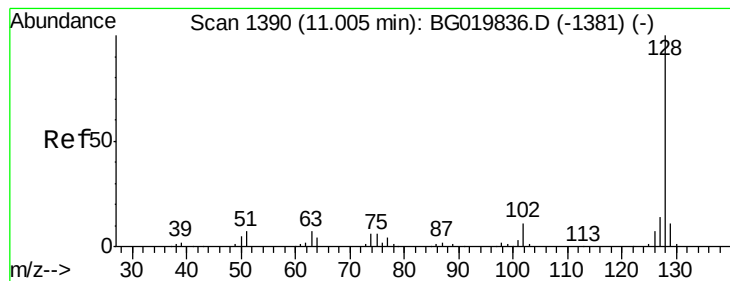
Tgt Ion:	136	Resp:	84837
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.6	12.8
54	7.4	5.4	8.2
68	6.2	5.3	7.9



#23
Nitrobenzene-d5
Concen: 103.79 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Tgt Ion:	82	Resp:	172536
Ion	Ratio	Lower	Upper
82	100		
128	38.9	36.7	55.1
54	49.5	33.8	50.8

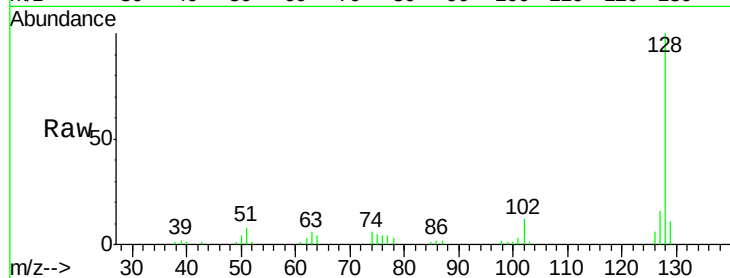




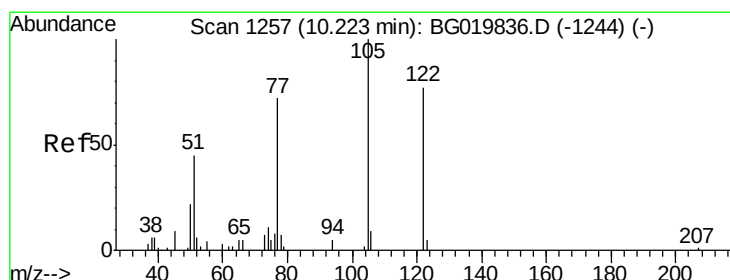
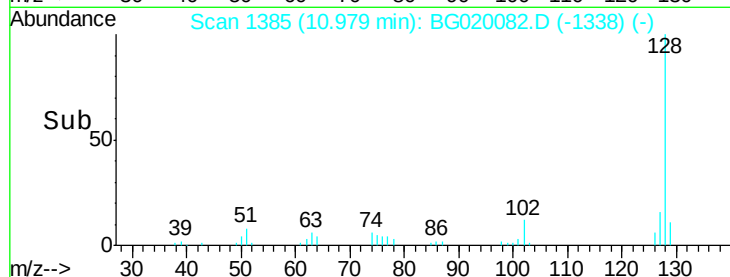
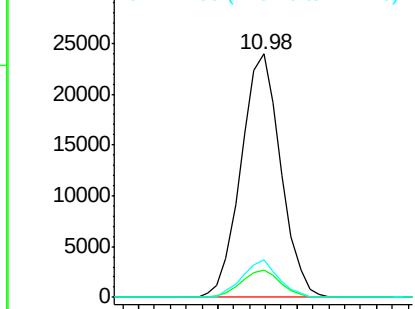
#31
Naphthalene
Concen: 9.14 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.03 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Instrument :
BNA_G
ClientSampleId :
S21-15

Tgt Ion:128 Resp: 41534
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 15.7 10.6 16.0

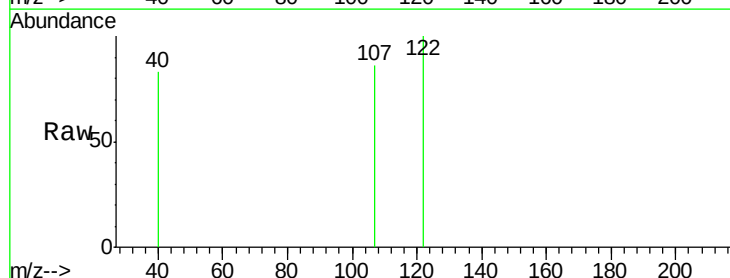


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

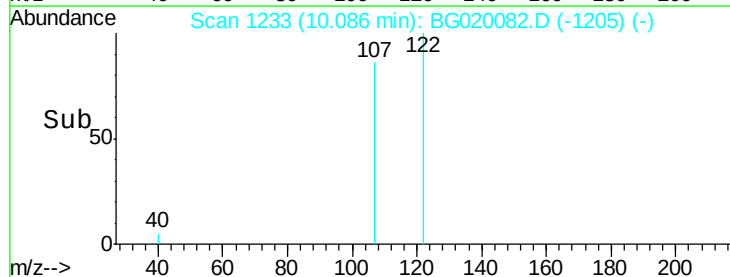
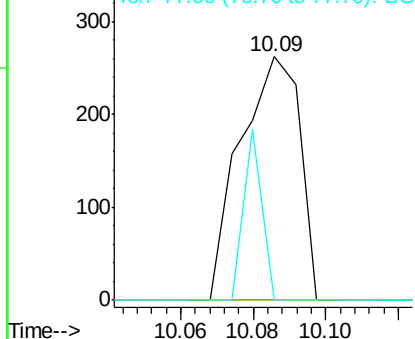


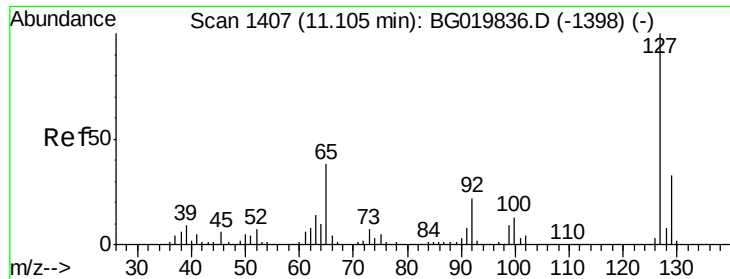
#32
Benzoic acid
Concen: 6.27 ng
RT: 10.09 min Scan# 1233
Delta R.T. -0.14 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Tgt Ion:122 Resp: 298
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 0.0 68.8 108.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

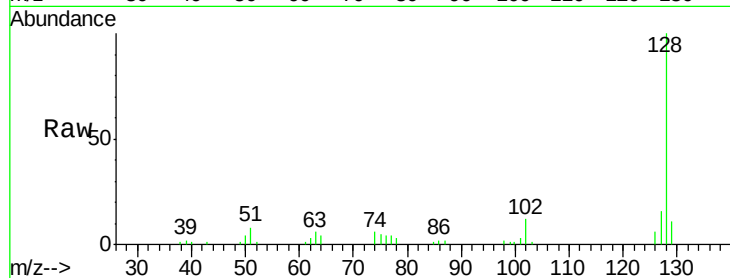




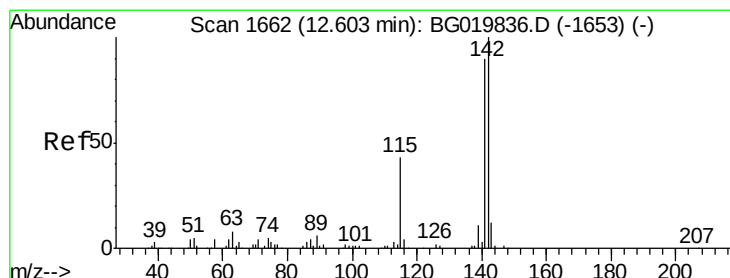
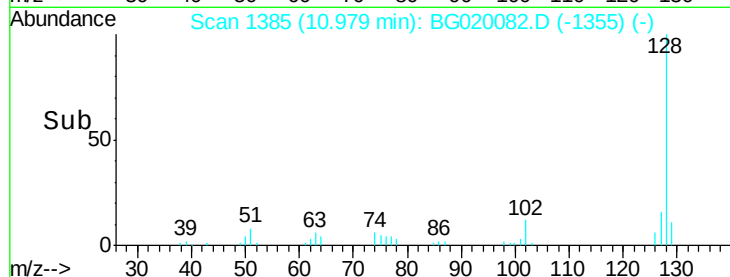
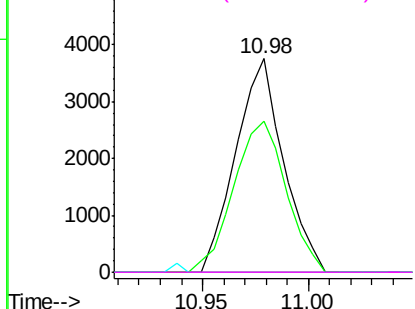
#33
4-Chloroaniline
Concen: 2.93 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.13 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Instrument :
BNA_G
ClientSampleId :
S21-15

Tgt Ion:127 Resp: 5874
Ion Ratio Lower Upper
127 100
129 70.5 24.6 37.0#
65 0.0 22.6 33.8#
92 0.0 15.1 22.7#

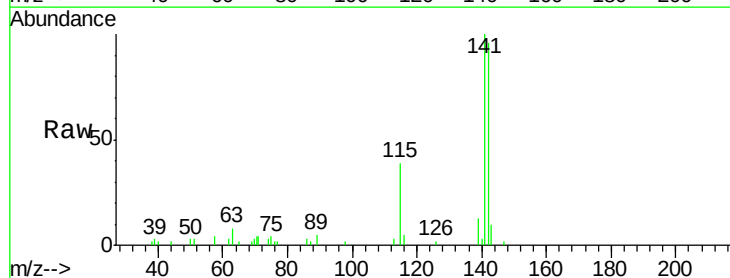


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

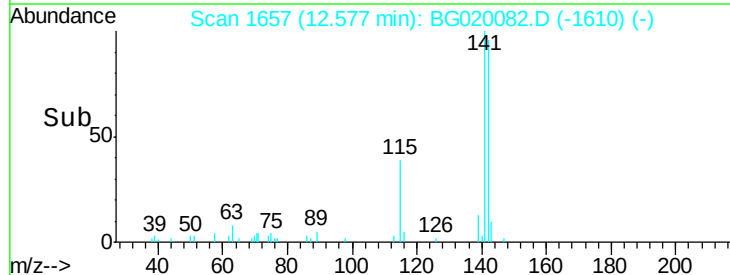
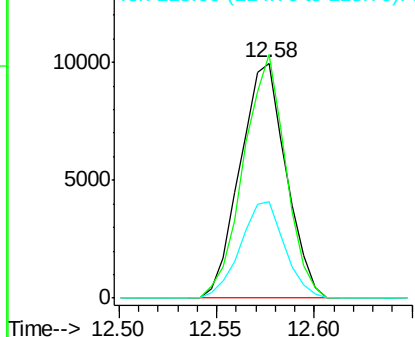


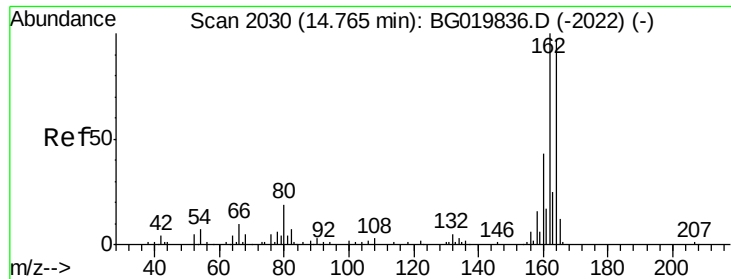
#37
2-Methylnaphthalene
Concen: 4.87 ng
RT: 12.58 min Scan# 1657
Delta R.T. -0.03 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Tgt Ion:142 Resp: 16234
Ion Ratio Lower Upper
142 100
141 103.7 74.6 112.0
115 40.9 27.4 41.0



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: 14.74 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampled :

S21-15

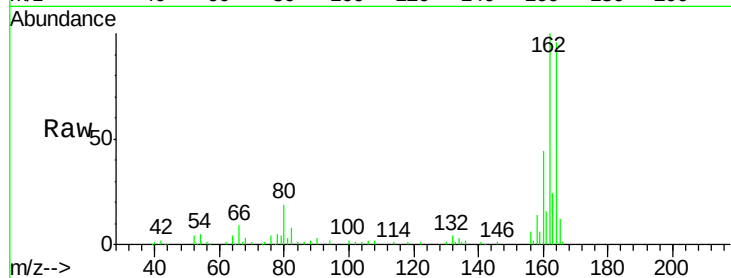
Tgt Ion:164 Resp: 57013

Ion Ratio Lower Upper

164 100

162 104.4 78.8 118.2

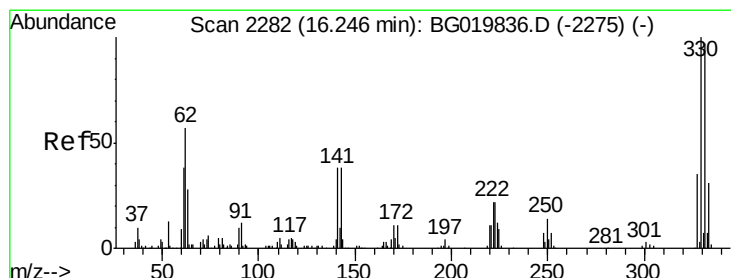
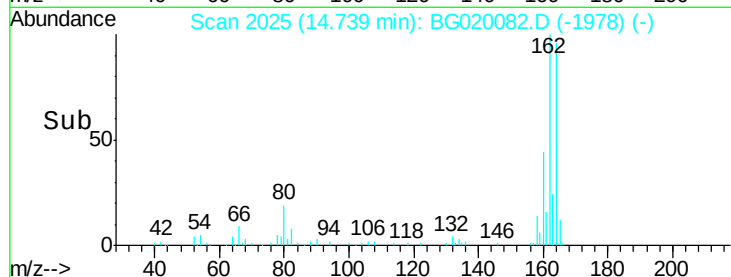
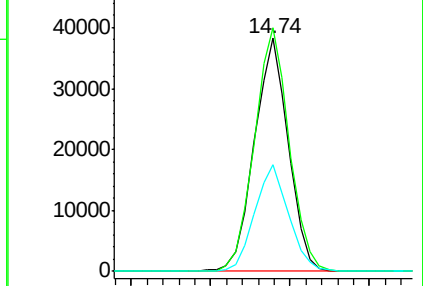
160 45.7 36.4 54.6



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: 147.63 ng

RT: 16.23 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

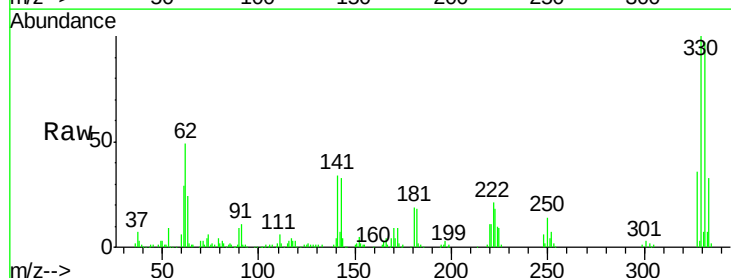
Tgt Ion:330 Resp: 128784

Ion Ratio Lower Upper

330 100

332 96.6 78.1 117.1

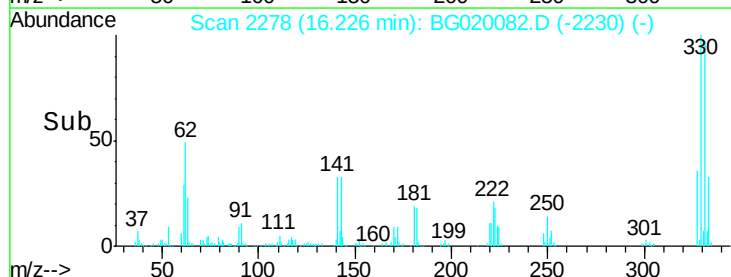
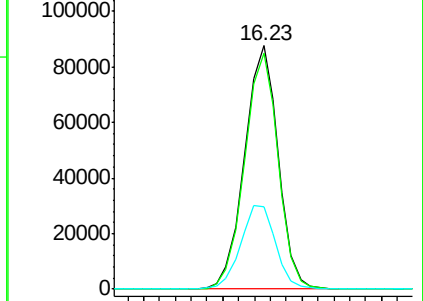
141 36.1 28.2 42.2

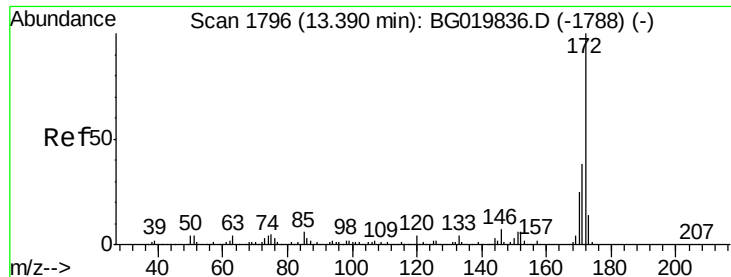


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

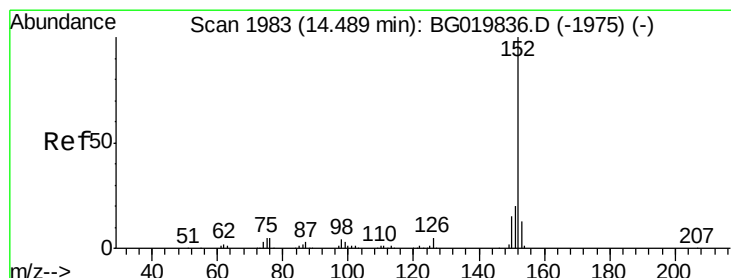
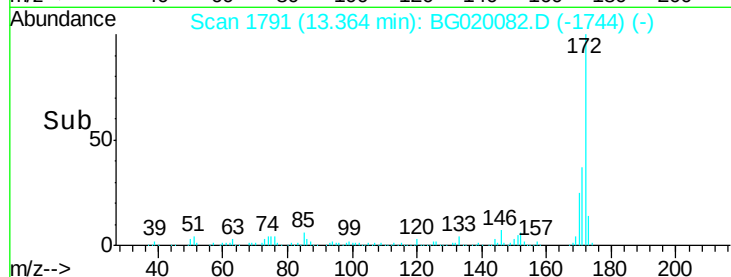
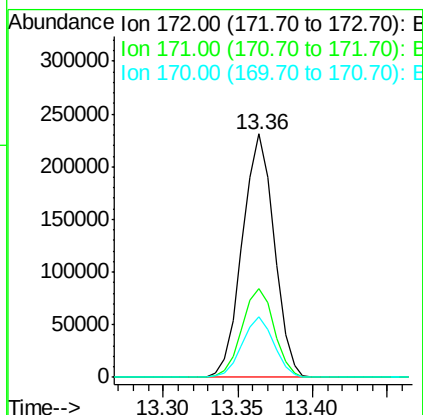
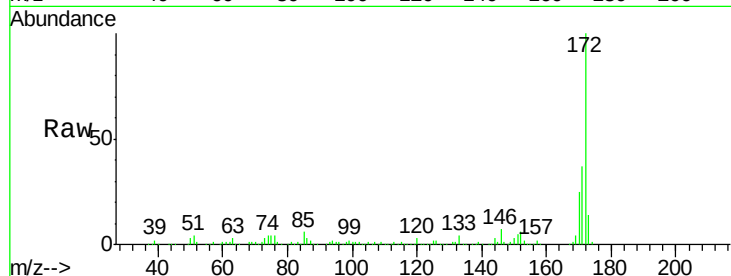




#44
2-Fluorobiphenyl
Concen: 82.05 ng
RT: 13.36 min Scan# 1791
Delta R.T. -0.03 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

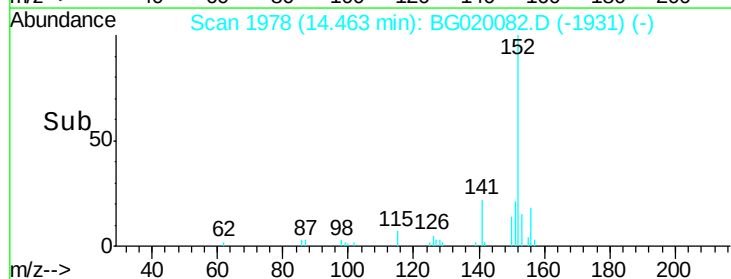
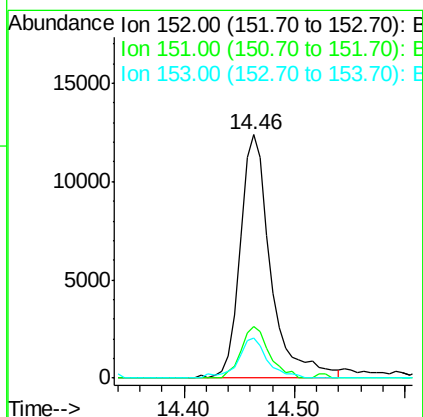
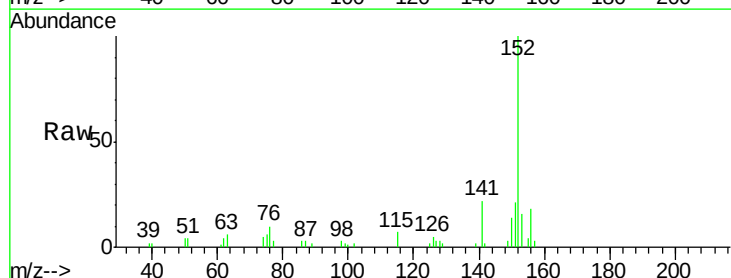
Instrument :
BNA_G
ClientSampleId :
S21-15

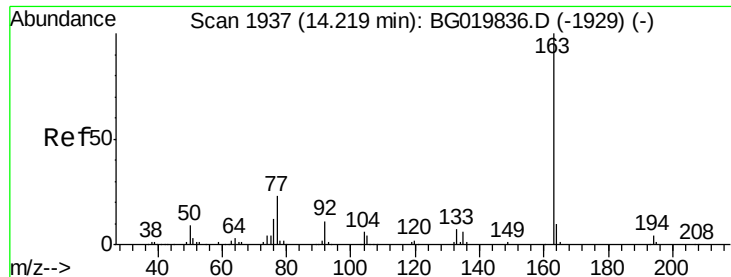
Tgt Ion:172 Resp: 342584
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.8 19.9 29.9



#48
Acenaphthylene
Concen: 3.91 ng
RT: 14.46 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Tgt Ion:152 Resp: 24001
Ion Ratio Lower Upper
152 100
151 21.4 17.0 25.4
153 16.3 10.4 15.6#





#49

Dimethylphthalate

Concen: 26.14 ng

RT: 14.18 min Scan# 1930

Delta R.T. -0.04 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

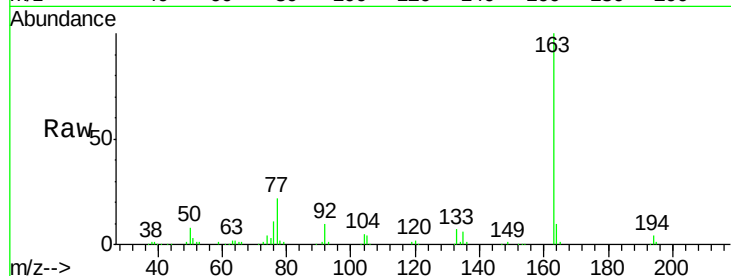
Tgt Ion:163 Resp: 134045

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

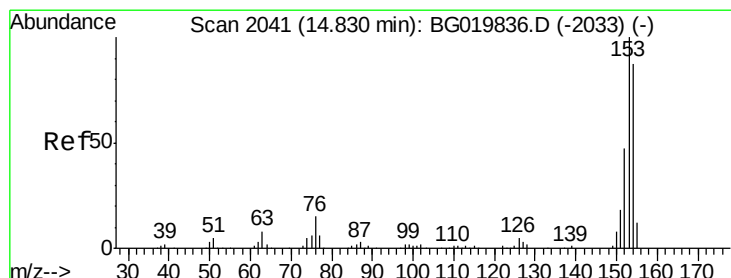
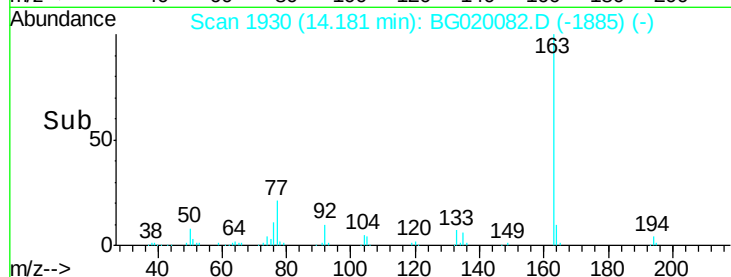
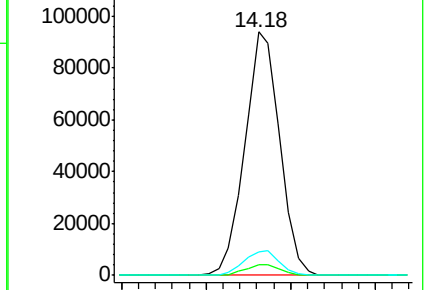
164 9.8 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 14.52 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

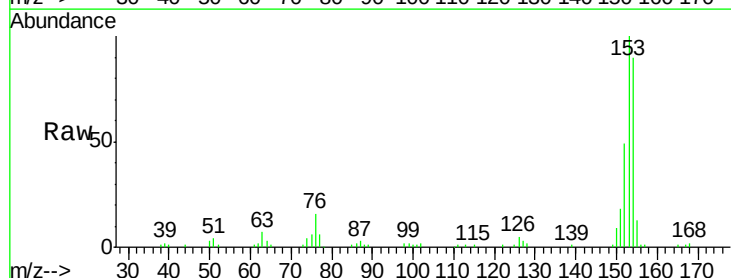
Tgt Ion:154 Resp: 54110

Ion Ratio Lower Upper

154 100

153 110.6 92.9 139.3

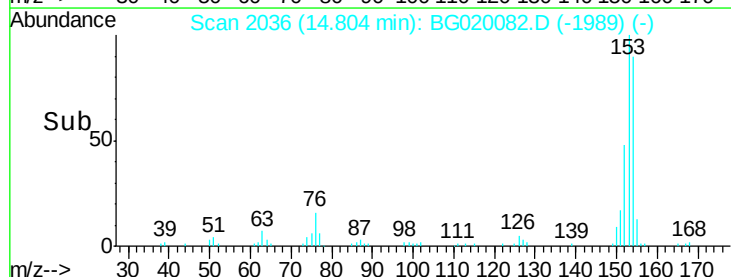
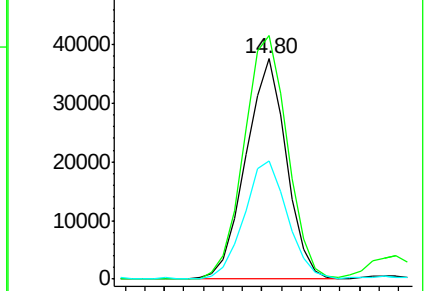
152 53.9 45.8 68.8

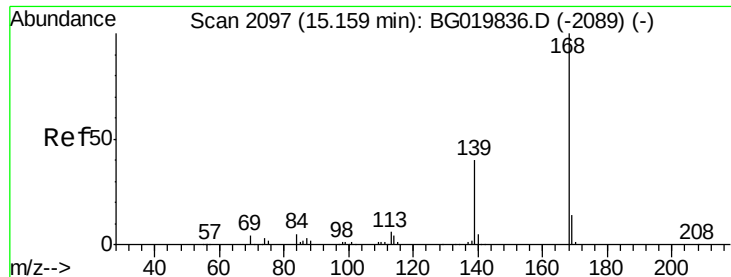


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 11.62 ng

RT: 15.13 min Scan# 2092

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

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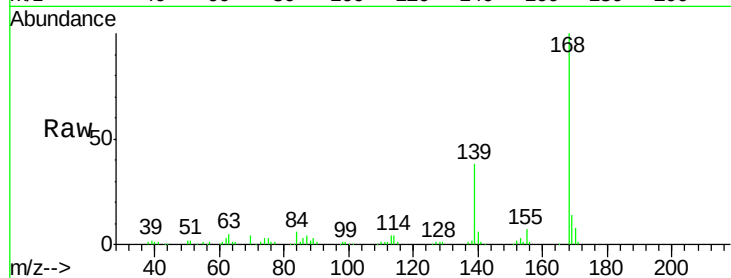
Tgt Ion:168 Resp: 64424

Ion Ratio Lower Upper

168 100

139 38.0 27.4 41.0

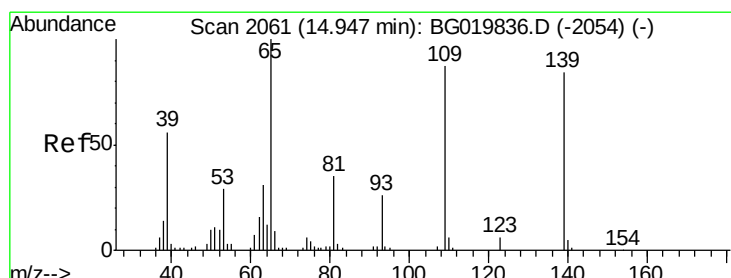
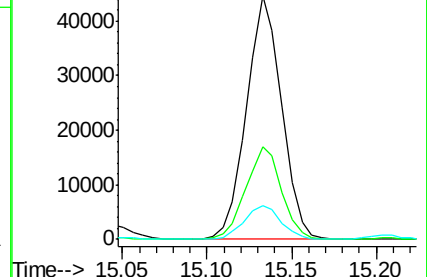
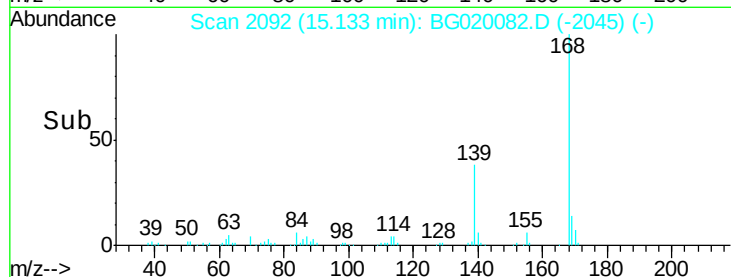
169 13.9 11.0 16.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 28.66 ng

RT: 15.13 min Scan# 2092

Delta R.T. 0.19 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

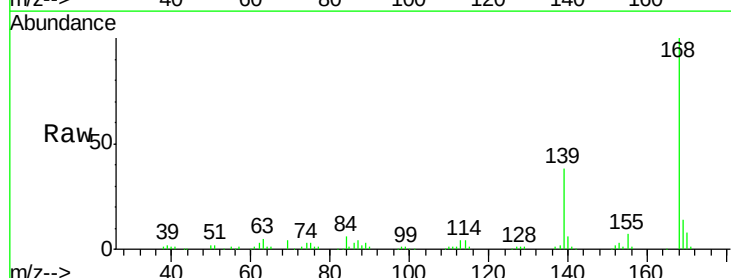
Tgt Ion:139 Resp: 25001

Ion Ratio Lower Upper

139 100

109 1.2 43.2 83.2#

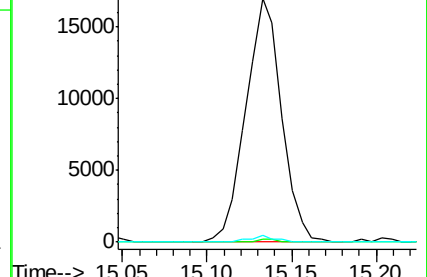
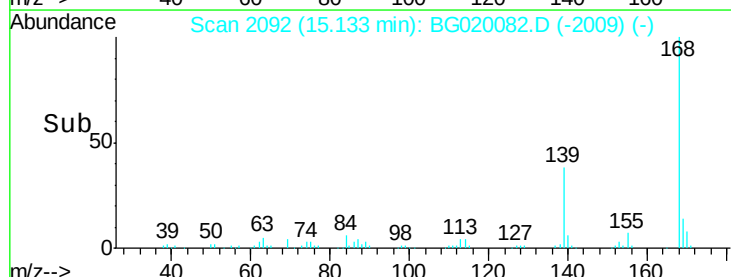
65 2.6 67.8 107.8#

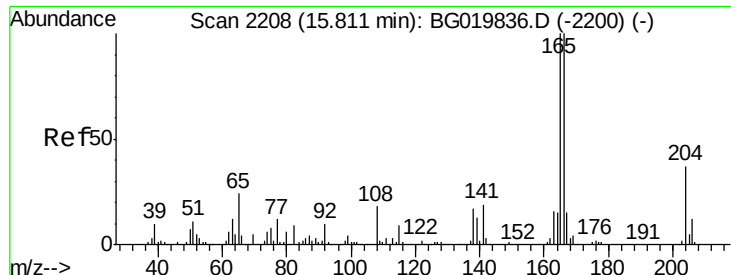


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

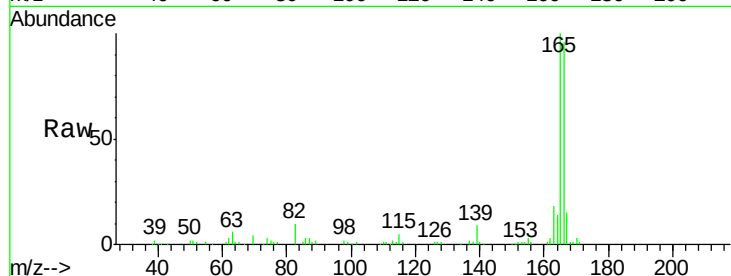




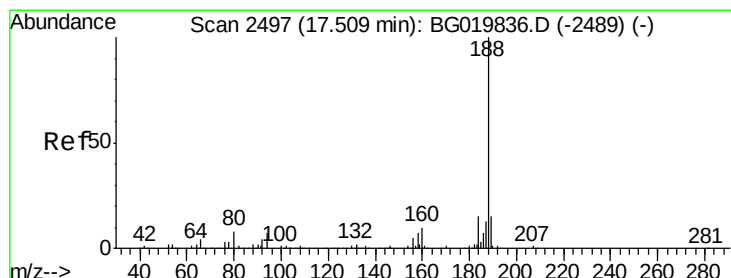
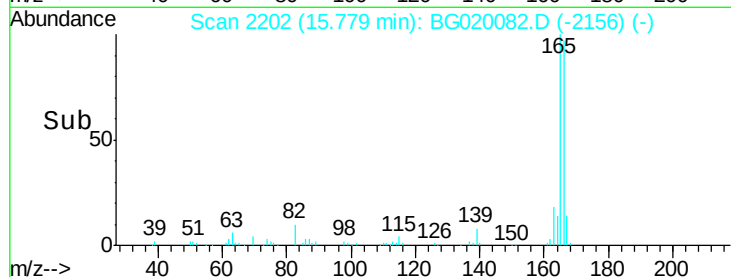
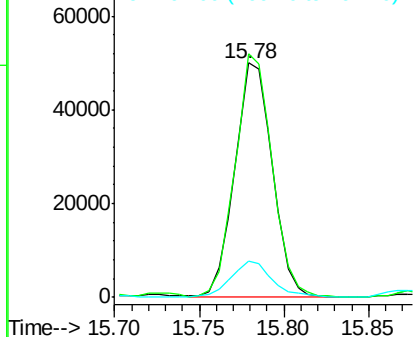
#57
Fluorene
 Concen: 15.64 ng
 RT: 15.78 min Scan# 2202
 Delta R.T. -0.03 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

Instrument :
 BNA_G
 ClientSampleId :
 S21-15

Tgt Ion:166 Resp: 77633
 Ion Ratio Lower Upper
 166 100
 165 103.9 80.0 120.0
 167 15.3 11.1 16.7

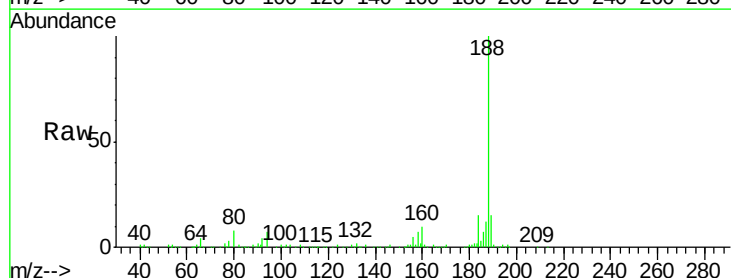


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

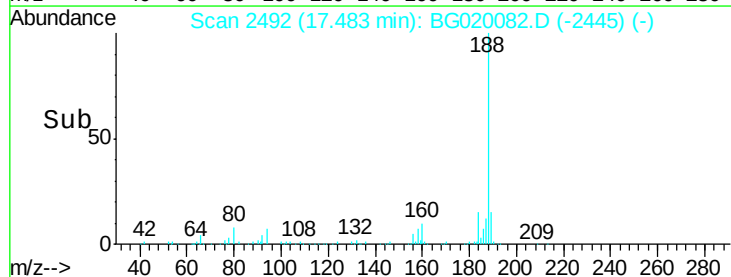
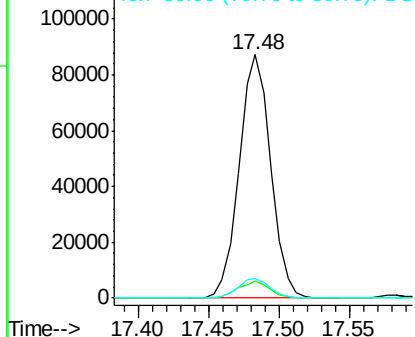


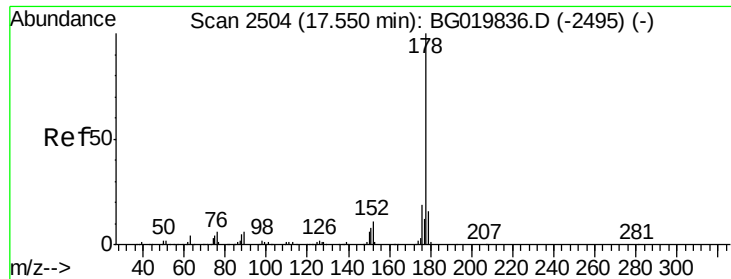
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.48 min Scan# 2492
 Delta R.T. -0.03 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

Tgt Ion:188 Resp: 135627
 Ion Ratio Lower Upper
 188 100
 94 7.1 7.7 11.5#
 80 8.2 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG0
 Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 134.01 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

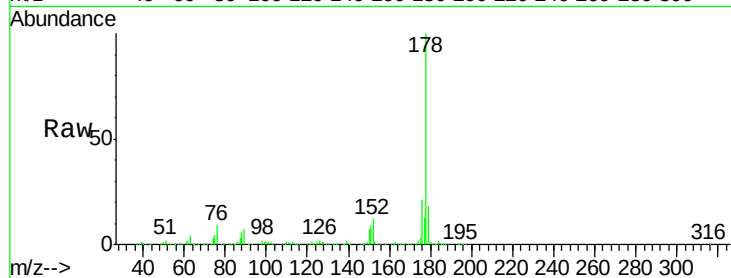
Tgt Ion:178 Resp: 1028360

Ion Ratio Lower Upper

178 100

176 21.2 16.7 25.1

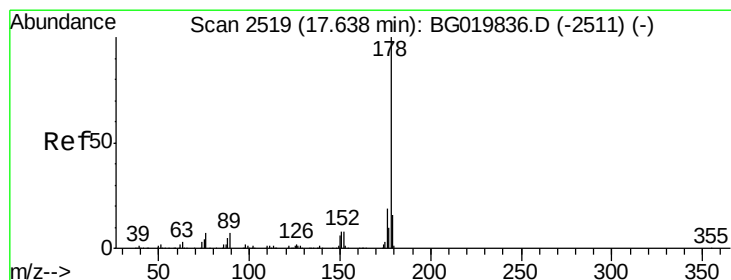
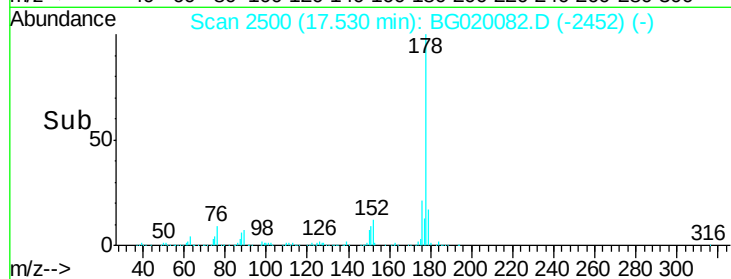
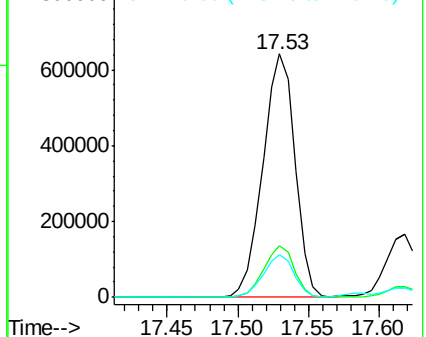
179 17.5 13.9 20.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 31.79 ng

RT: 17.62 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

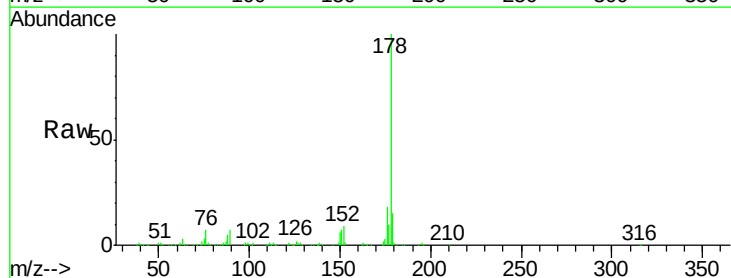
Tgt Ion:178 Resp: 248479

Ion Ratio Lower Upper

178 100

176 17.7 16.8 25.2

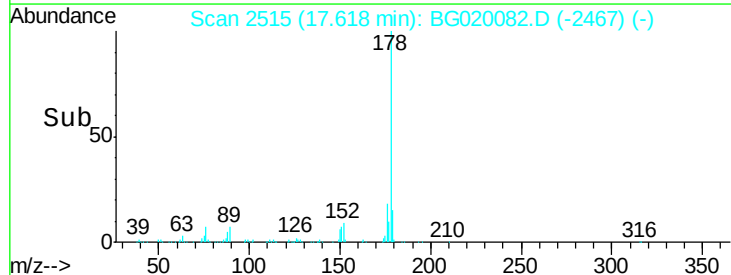
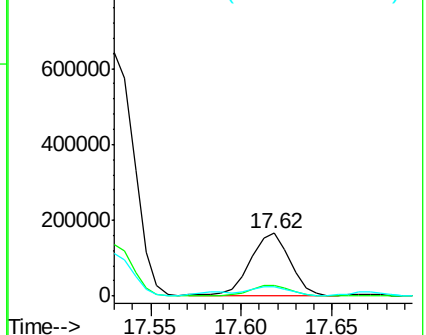
179 15.4 13.9 20.9

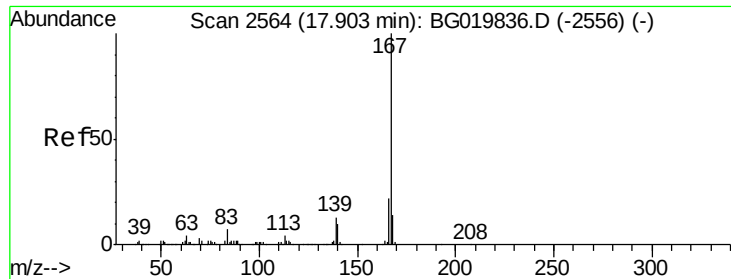


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

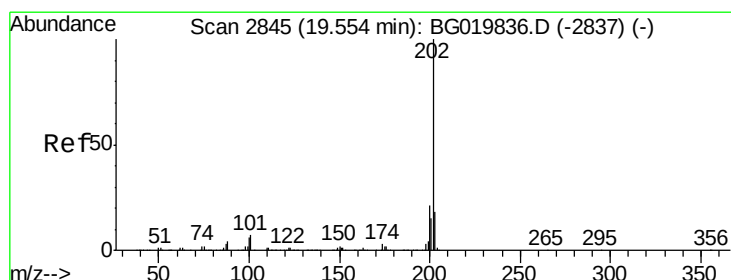
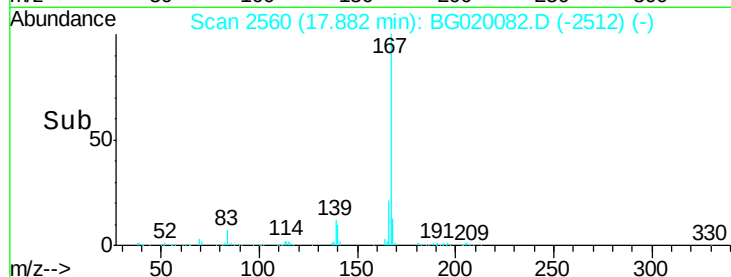
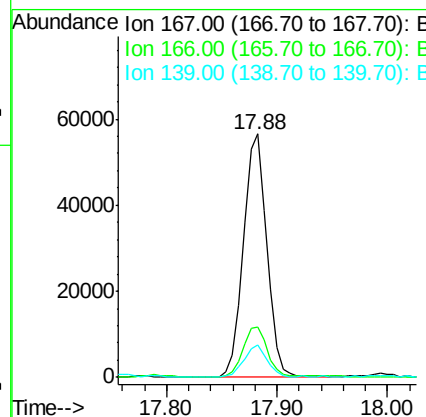
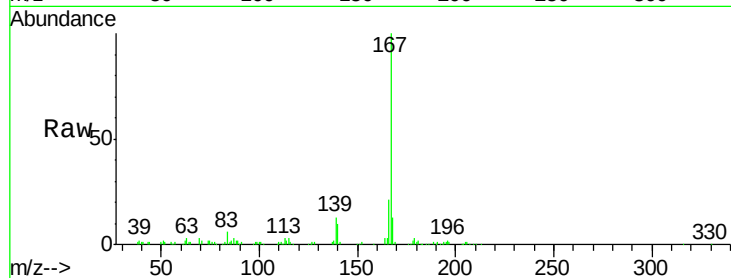




#72
 Carbazole
 Concen: 12.31 ng
 RT: 17.88 min Scan# 2560
 Delta R.T. -0.02 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

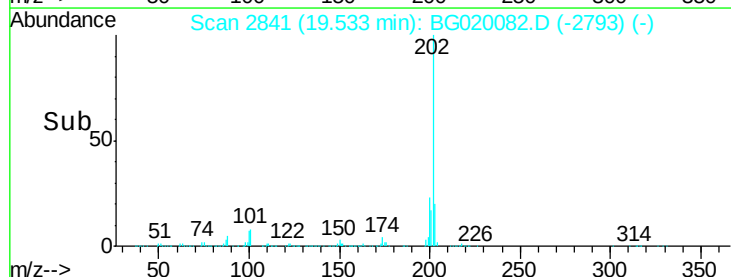
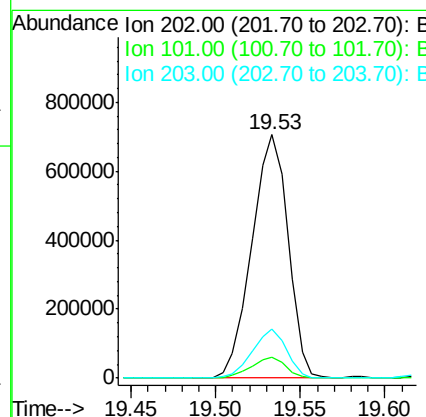
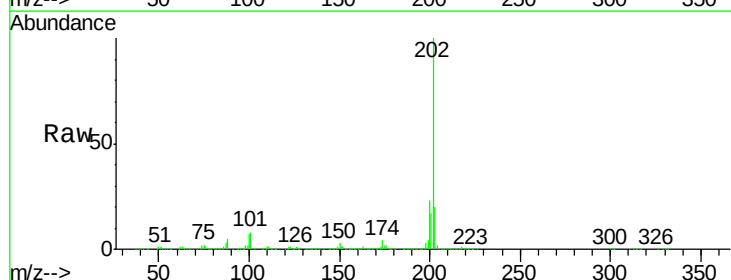
Instrument :
 BNA_G
 ClientSampleId :
 S21-15

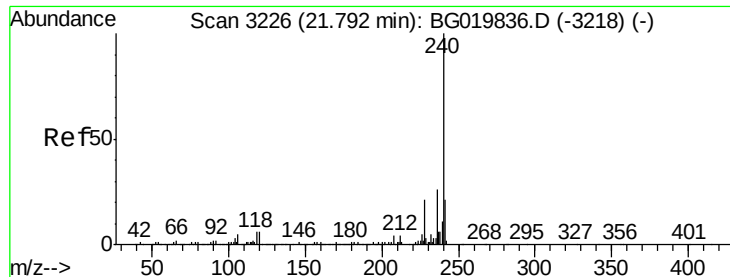
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	19.0	28.6
139	13.4	10.2	15.4



#74
 Fluoranthene
 Concen: 107.46 ng
 RT: 19.53 min Scan# 2841
 Delta R.T. -0.02 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	32.4
203	20.1	0.0	39.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

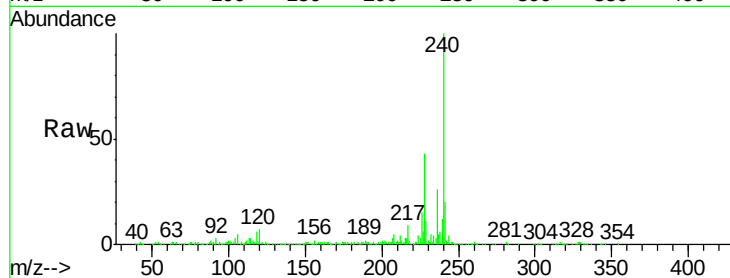
Tgt Ion:240 Resp: 166050

Ion Ratio Lower Upper

240 100

120 7.0 7.4 11.0#

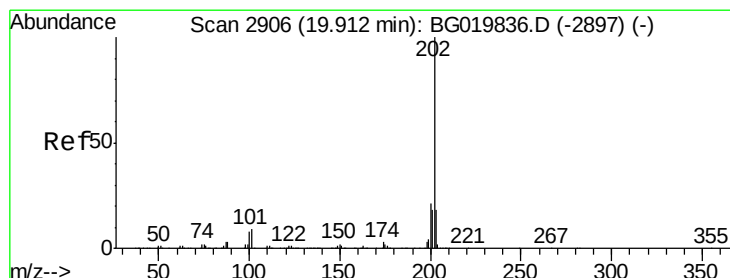
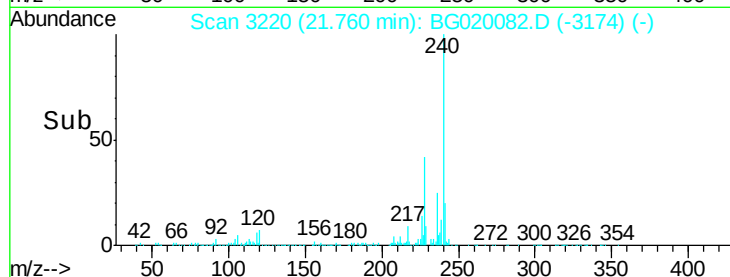
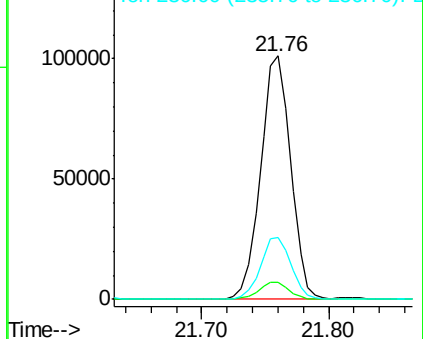
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 95.51 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

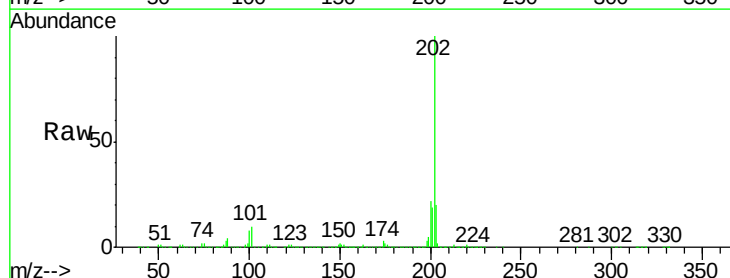
Tgt Ion:202 Resp: 932997

Ion Ratio Lower Upper

202 100

200 22.2 19.4 29.0

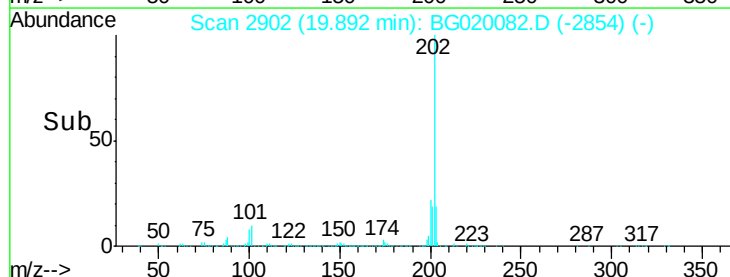
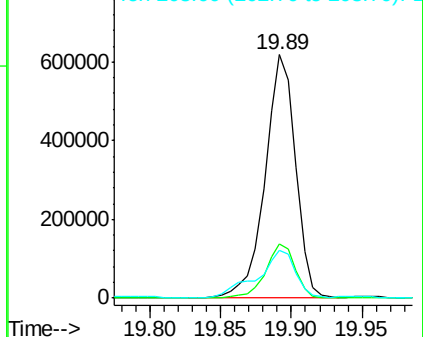
203 19.8 15.5 23.3

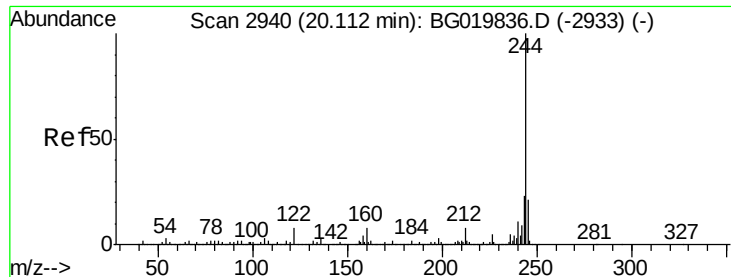


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.92 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

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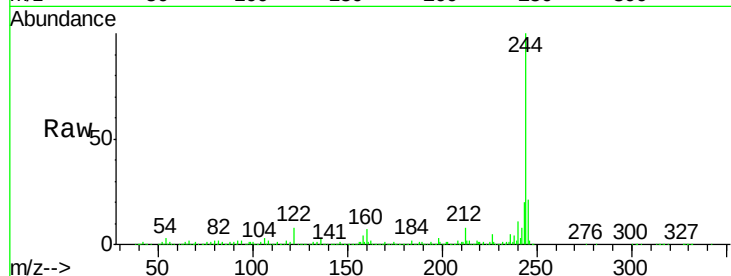
Tgt Ion:244 Resp: 584913

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

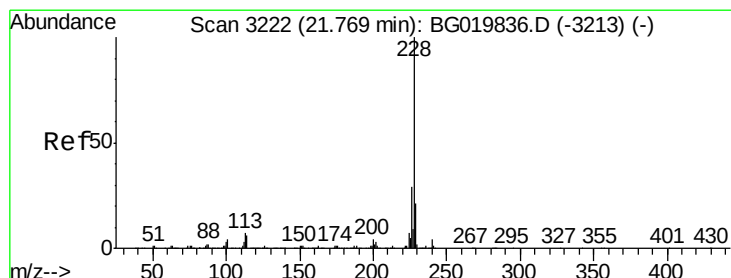
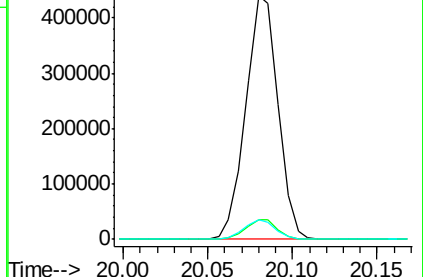
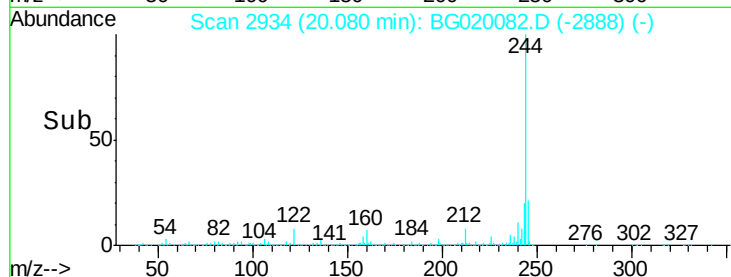
122 8.2 10.2 15.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 48.59 ng

RT: 21.74 min Scan# 3216

Delta R.T. -0.03 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

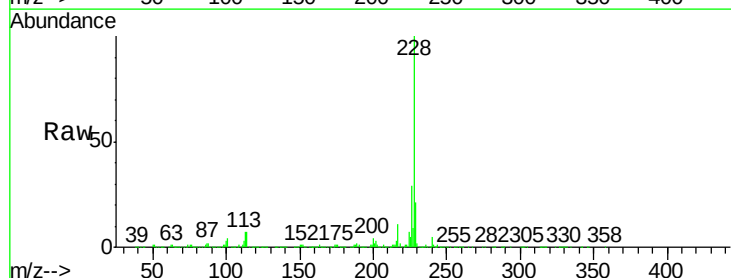
Tgt Ion:228 Resp: 493889

Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.0

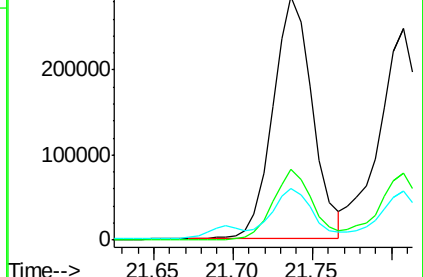
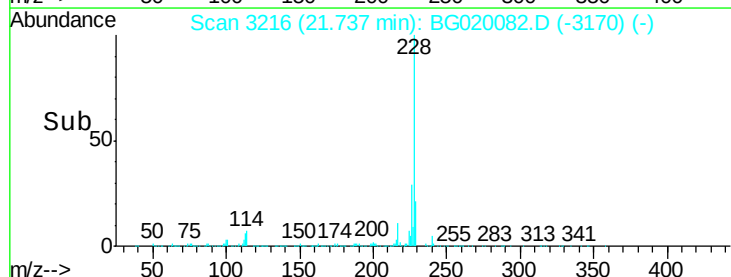
229 21.2 16.6 25.0

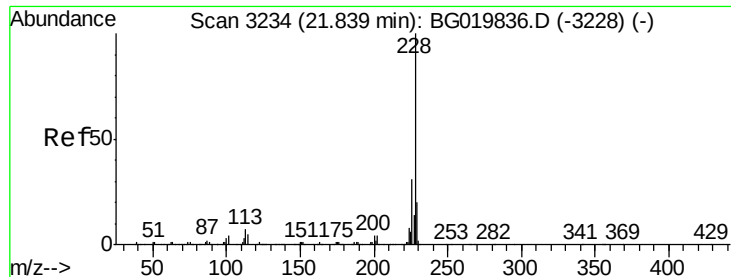


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

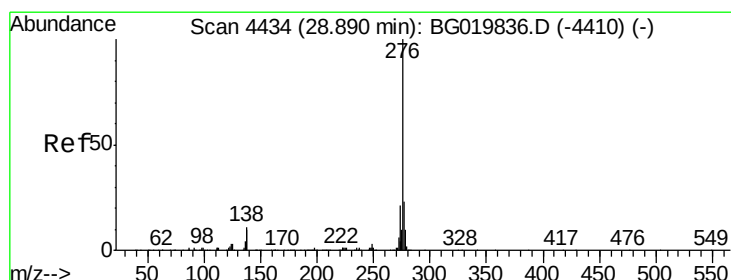
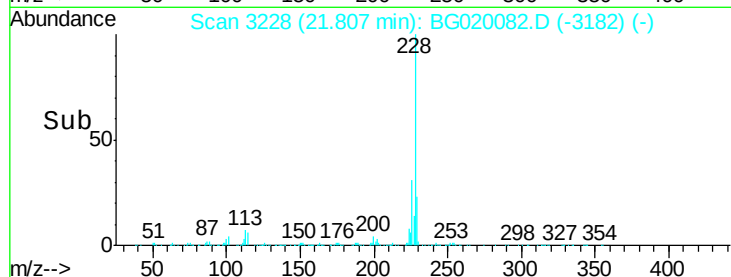
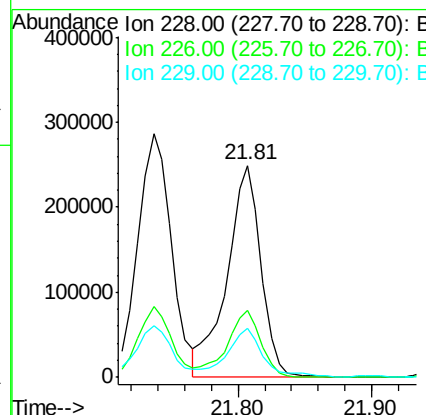
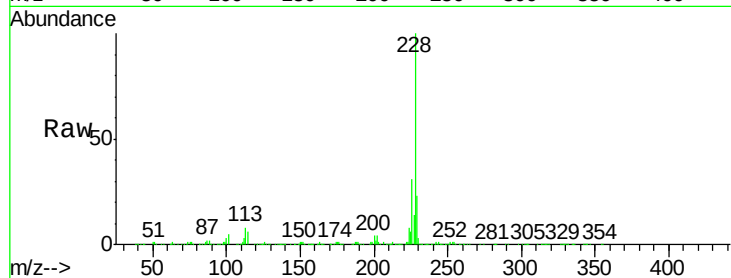




#82
 Chrysene
 Concen: 45.46 ng
 RT: 21.81 min Scan# 3228
 Delta R.T. -0.03 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

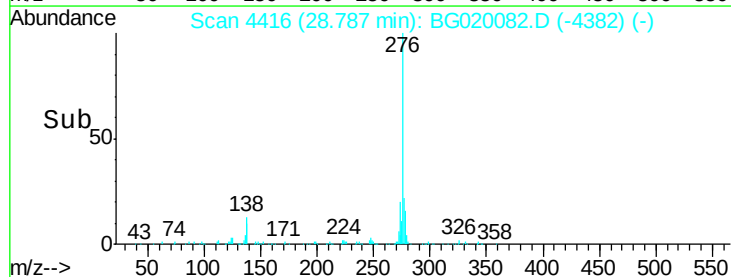
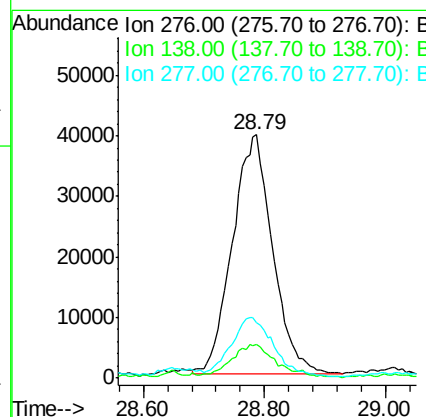
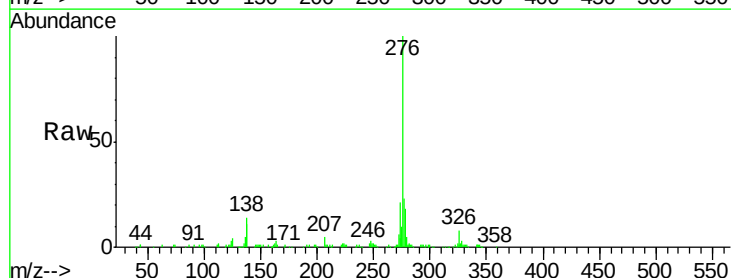
Instrument :
 BNA_G
 ClientSampleId :
 S21-15

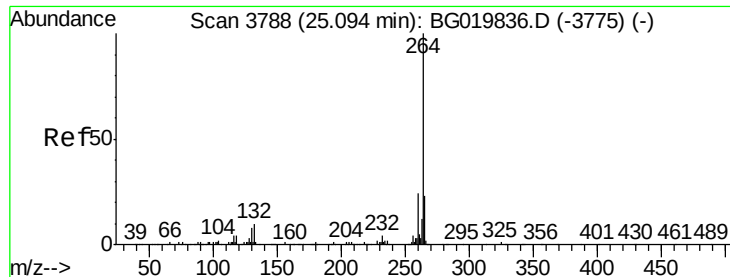
Tgt Ion:	228	Resp:	438759
Ion	Ratio	Lower	Upper
228	100		
226	31.4	26.7	40.1
229	22.9	17.0	25.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.16 ng
 RT: 28.79 min Scan# 4416
 Delta R.T. -0.10 min
 Lab File: BG020082.D
 Acq: 10 Dec 2015 19:15

Tgt Ion:	276	Resp:	182455
Ion	Ratio	Lower	Upper
276	100		
138	13.9	0.0	0.0#
277	26.1	0.0	0.0#

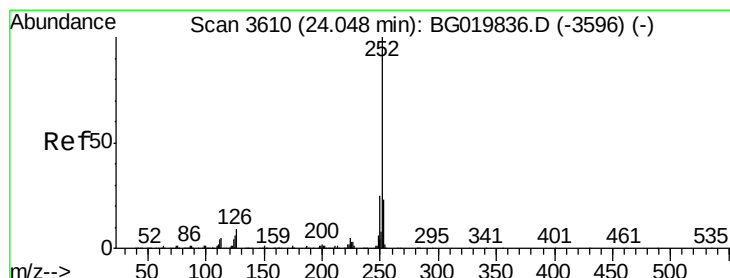
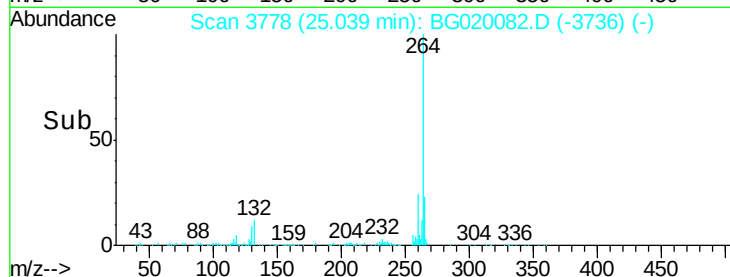
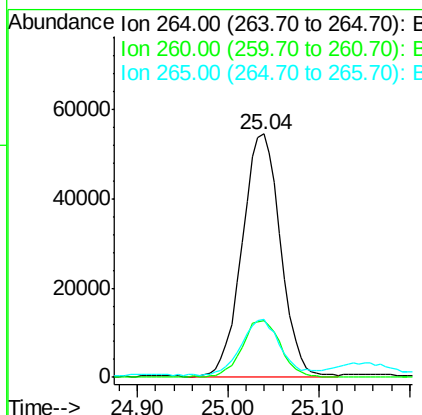
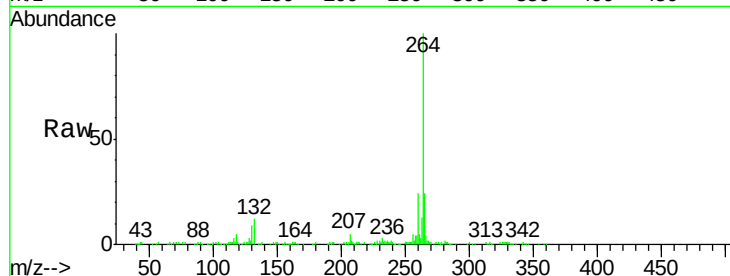




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.06 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

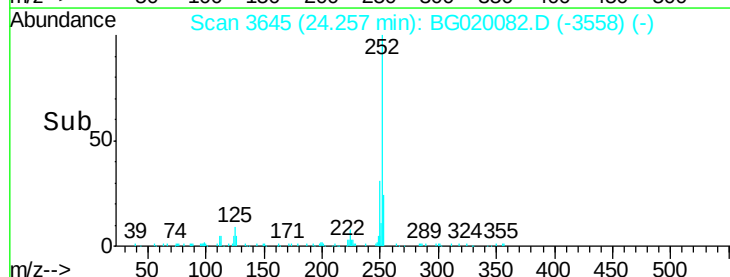
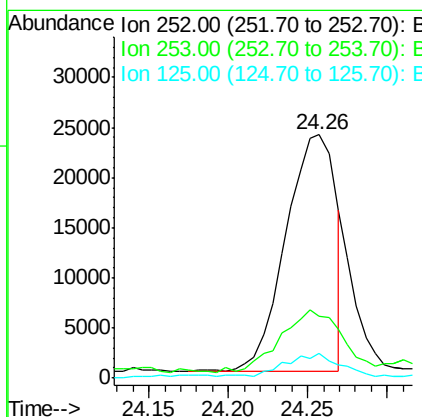
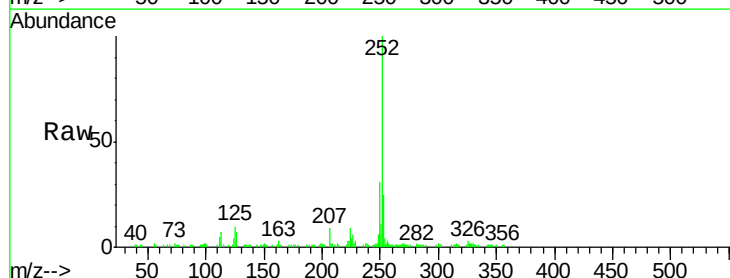
Instrument :
BNA_G
ClientSampleId :
S21-15

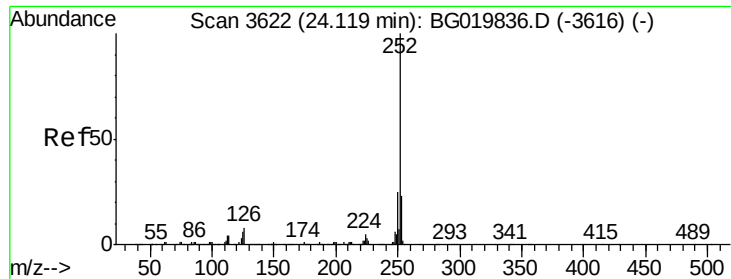
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	23.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 5.12 ng
RT: 24.26 min Scan# 3645
Delta R.T. 0.21 min
Lab File: BG020082.D
Acq: 10 Dec 2015 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.1	28.7
125	9.9	8.9	13.3





#88

Benzo(k)fluoranthene

Concen: 6.06 ng

RT: 24.26 min Scan# 3645

Delta R.T. 0.14 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

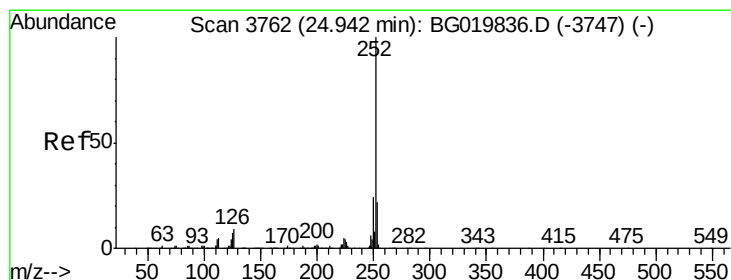
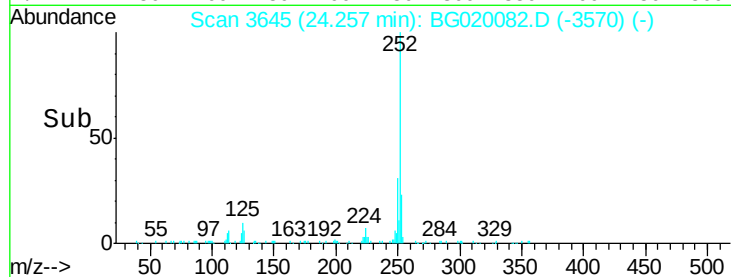
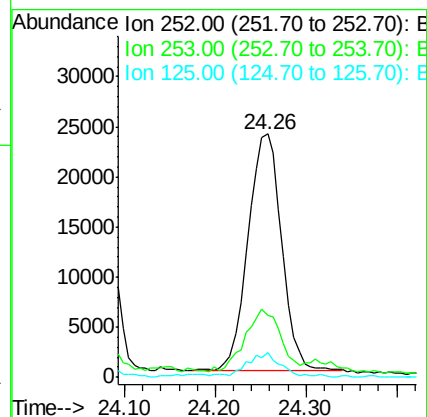
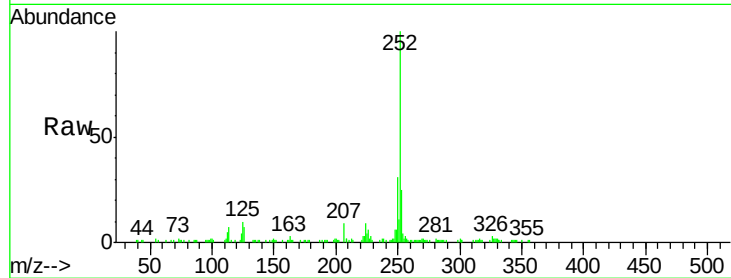
Tgt Ion:252 Resp: 60536

Ion Ratio Lower Upper

252 100

253 25.5 19.0 28.4

125 9.9 8.9 13.3



#89

Benzo(a)pyrene

Concen: 20.42 ng

RT: 24.73 min Scan# 3726

Delta R.T. -0.21 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

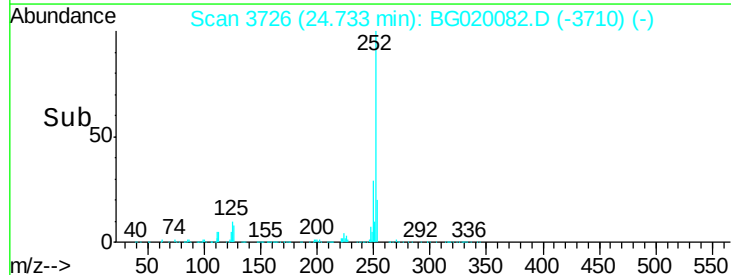
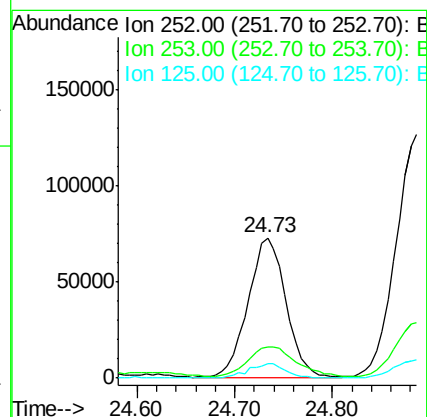
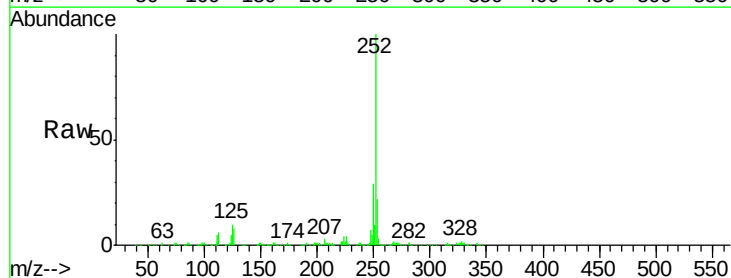
Tgt Ion:252 Resp: 195424

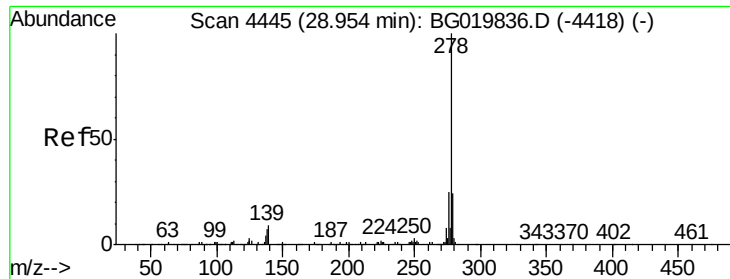
Ion Ratio Lower Upper

252 100

253 22.5 18.7 28.1

125 10.2 9.1 13.7





#90

Dibenzo(a,h)anthracene

Concen: 5.35 ng

RT: 28.82 min Scan# 4422

Delta R.T. -0.13 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

Instrument :

BNA_G

ClientSampleId :

S21-15

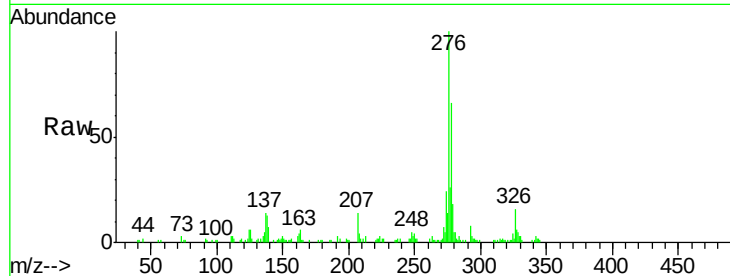
Tgt Ion: 278 Resp: 50538

Ion Ratio Lower Upper

278 100

139 11.3 13.8 20.6#

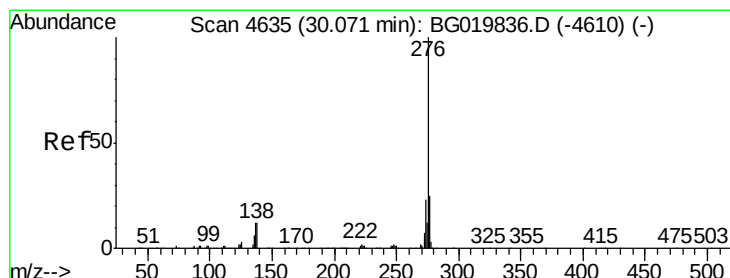
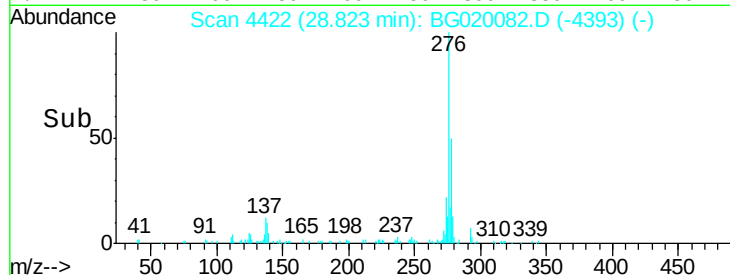
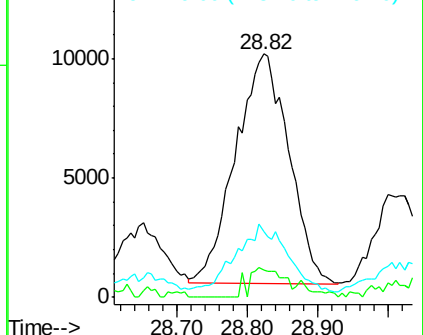
279 26.8 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 17.24 ng

RT: 29.95 min Scan# 4614

Delta R.T. -0.12 min

Lab File: BG020082.D

Acq: 10 Dec 2015 19:15

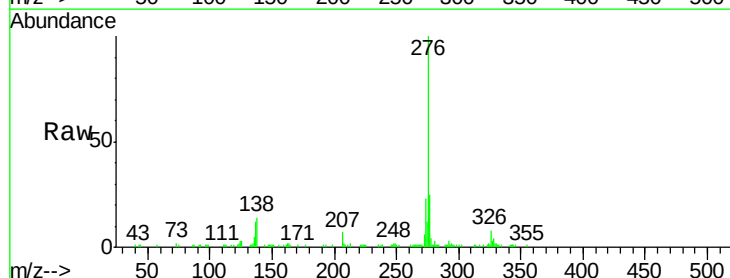
Tgt Ion: 276 Resp: 160061

Ion Ratio Lower Upper

276 100

277 24.7 18.4 27.6

138 13.7 17.4 26.0#



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

