

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017555.D
 Acq On : 9 Jun 2015 2:33
 Operator : TP/IZ
 Sample : G2450-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Quant Time: Jun 09 04:26:40 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	7.60	152	20647	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	85819	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	55341	20.00	ng	-0.02
63) Phenanthrene-d10	17.02	188	119494	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	141308	20.00	ng	-0.02
86) Perylene-d12	23.45	264	137439	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	132630	113.17	ng	0.00
7) Phenol-d6	6.81	99	171916	107.68	ng	0.00
23) Nitrobenzene-d5	8.76	82	127756	74.31	ng	-0.01
41) 2,4,6-Tribromophenol	15.77	330	83294	108.36	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	275535	75.11	ng	-0.01
78) Terphenyl-d14	19.66	244	449173	65.70	ng	-0.02

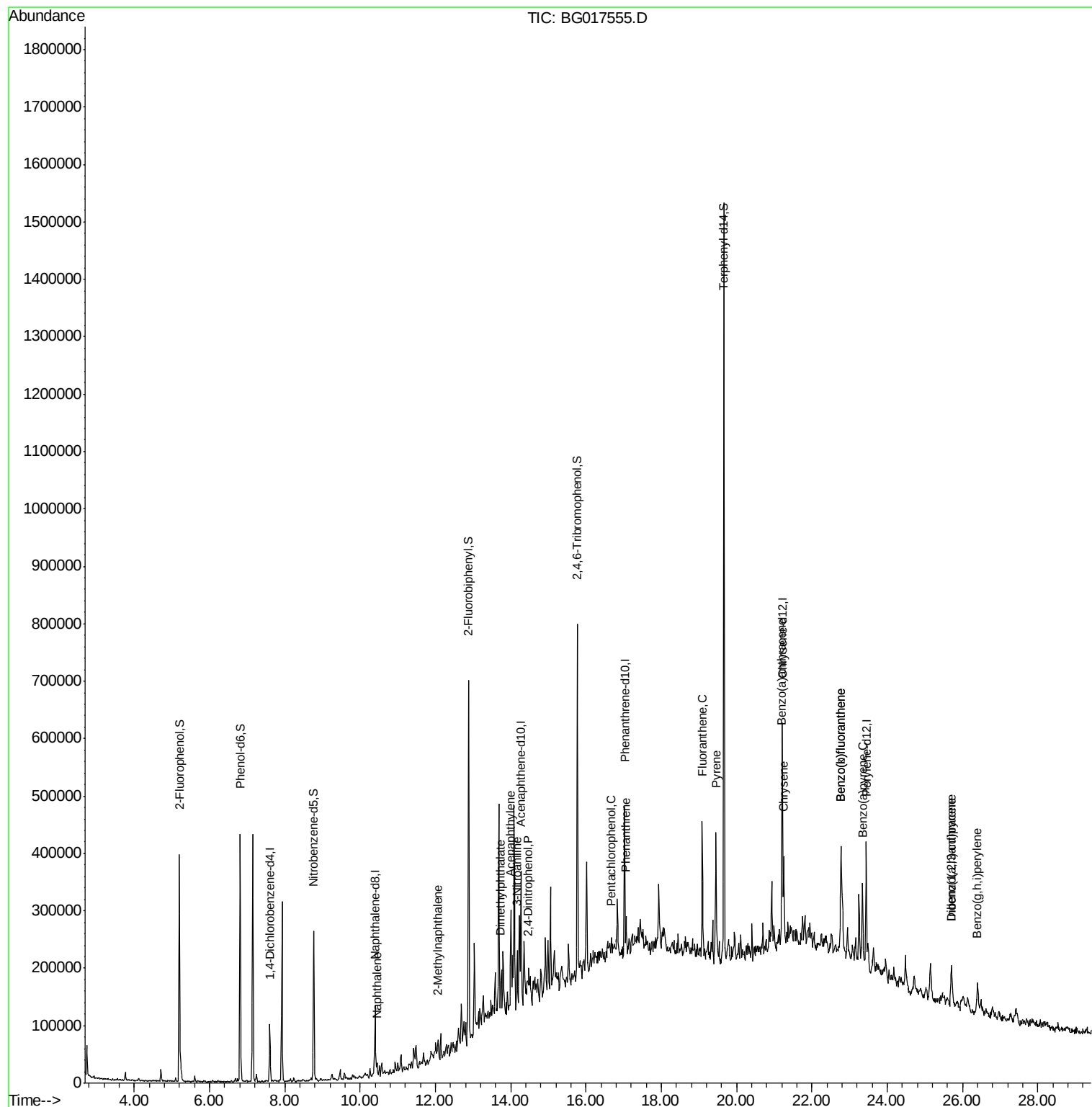
Target Compounds						Qvalue
31) Naphthalene	10.44	128	15146	3.38	ng	# 93
37) 2-Methylnaphthalene	12.07	142	10992	3.19	ng	96
48) Acenaphthylene	13.99	152	15213	2.55	ng	# 80
49) Dimethylphthalate	13.73	163	27584	5.73	ng	98
52) 3-Nitroaniline	14.18	138	4769	4.07	ng	# 28
53) 2,4-Dinitrophenol	14.45	184	81	7.13	ng	95
69) Pentachlorophenol	16.65	266	81	5.58	ng	# 35
70) Phenanthrene	17.07	178	28179	4.23	ng	# 90
74) Fluoranthene	19.09	202	122384	14.05	ng	97
77) Pyrene	19.45	202	128243	14.73	ng	96
80) Benzo(a)anthracene	21.20	228	81163	9.34	ng	94
82) Chrysene	21.25	228	85319	10.84	ng	98
85) Indeno(1,2,3-cd)pyrene	25.71	276	60820	6.16	ng	# 93
87) Benzo(b)fluoranthene	22.78	252	188128	21.60	ng	98
88) Benzo(k)fluoranthene	22.78	252	188128	22.57	ng	98
89) Benzo(a)pyrene	23.35	252	79704	9.98	ng	98
90) Dibenzo(a,h)anthracene	25.70	278	19628	2.37	ng	95
91) Benzo(g,h,i)perylene	26.40	276	55284	7.00	ng	96

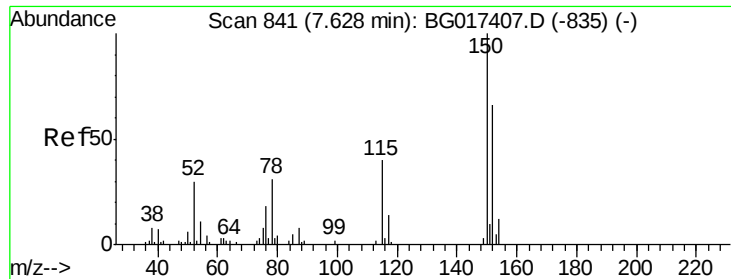
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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BNA_G
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RAMP-P-440SB3.7

Quant Time: Jun 09 04:26:40 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: 7.60 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

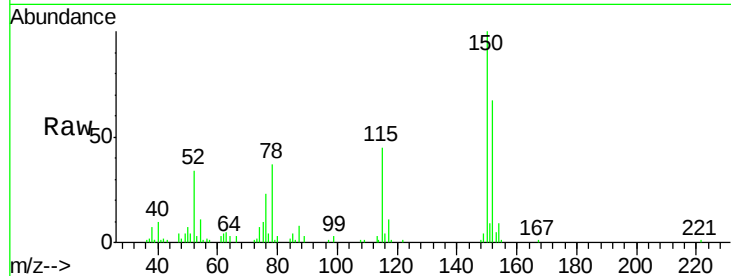
Tgt Ion:152 Resp: 20647

Ion Ratio Lower Upper

152 100

150 148.3 121.7 182.5

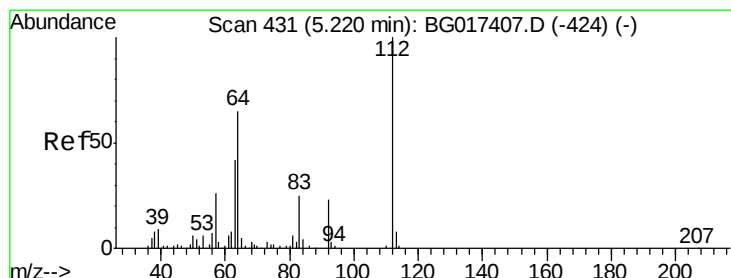
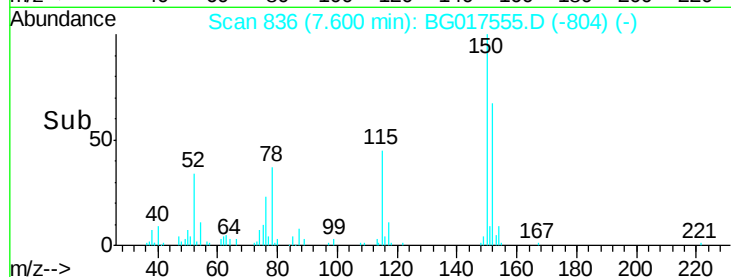
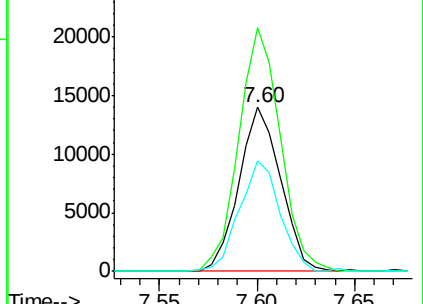
115 67.2 48.6 73.0



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: 113.17 ng

RT: 5.20 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

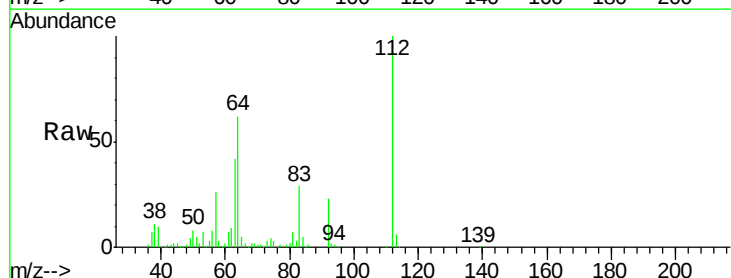
Tgt Ion:112 Resp: 132630

Ion Ratio Lower Upper

112 100

64 62.0 51.6 77.4

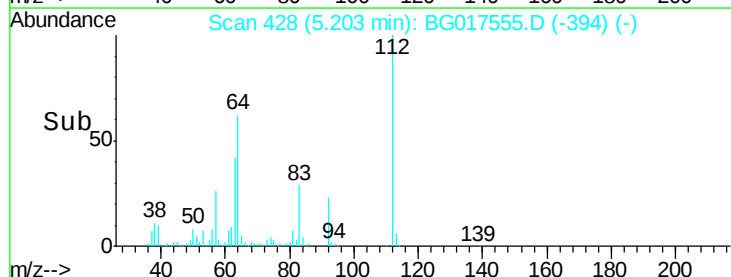
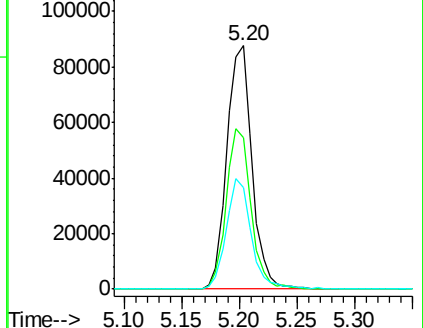
63 41.6 33.3 49.9

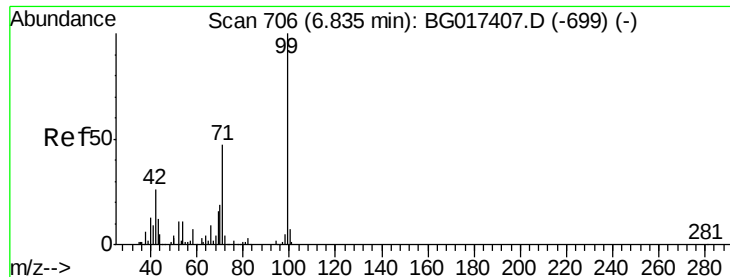


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 107.68 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

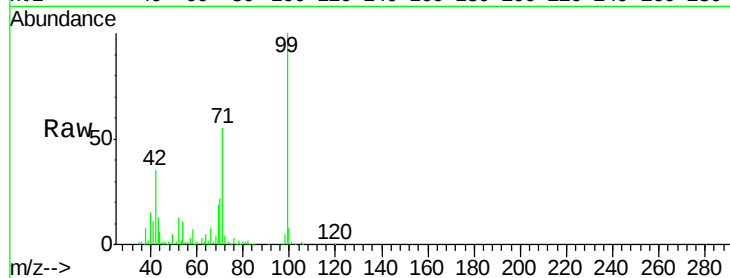
Tgt Ion: 99 Resp: 171916

Ion Ratio Lower Upper

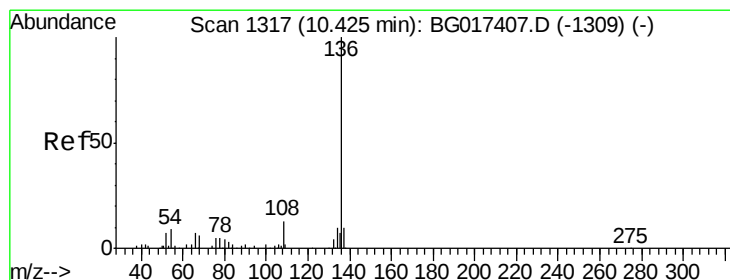
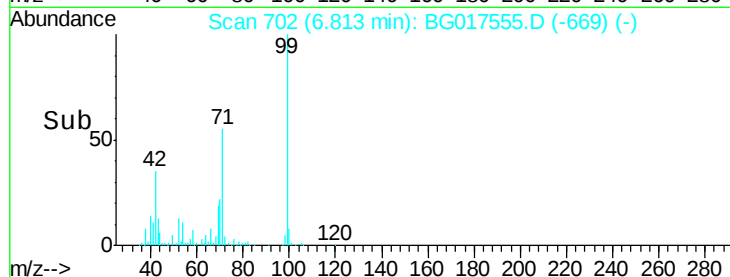
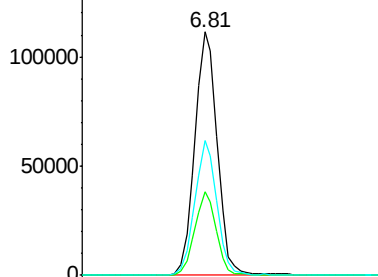
99 100

42 34.6 21.0 31.6#

71 55.4 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: 10.40 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion: 136 Resp: 85819

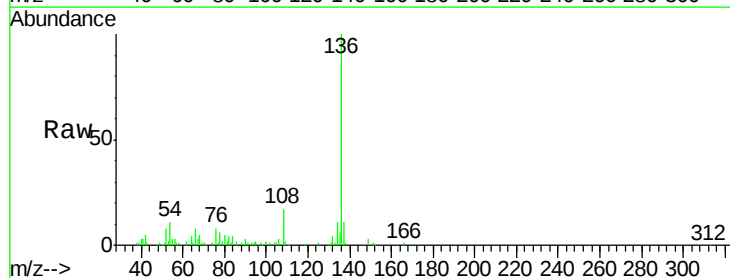
Ion Ratio Lower Upper

136 100

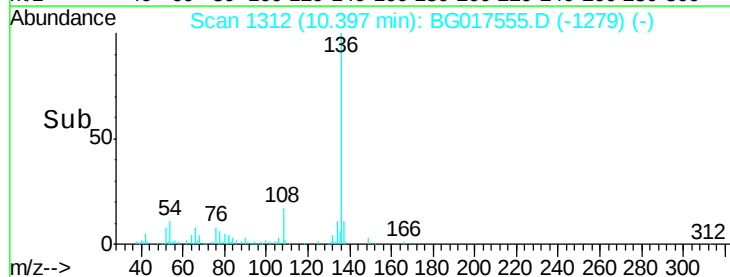
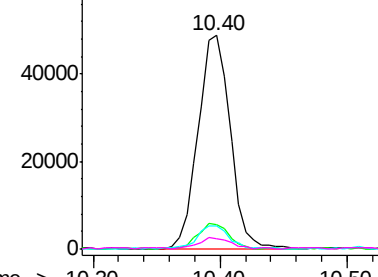
137 11.3 7.9 11.9

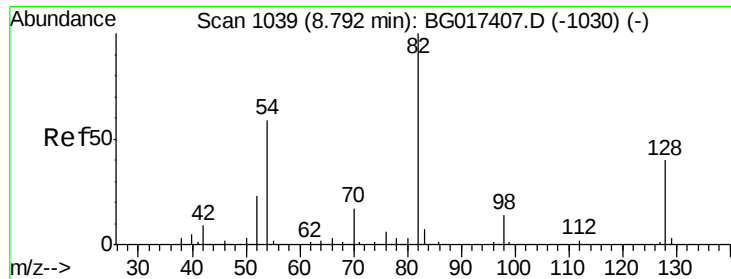
54 10.7 7.2 10.8

68 4.9 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

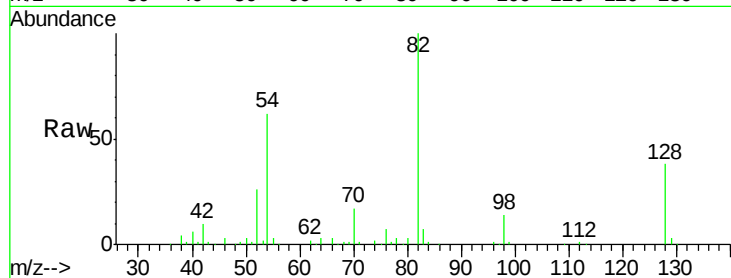




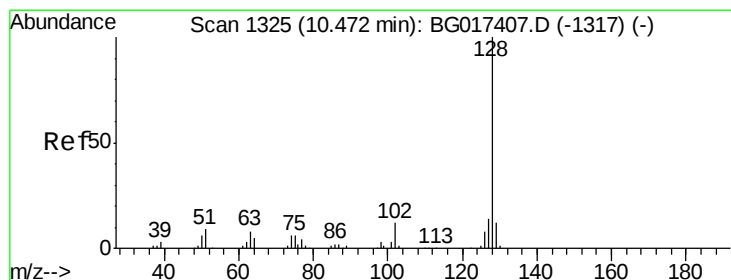
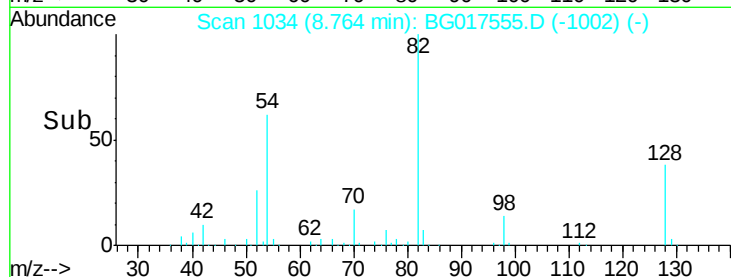
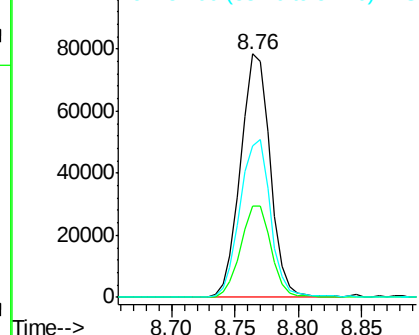
#23
 Nitrobenzene-d5
 Concen: 74.31 ng
 RT: 8.76 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.2	48.4
54	62.1	47.4	71.2

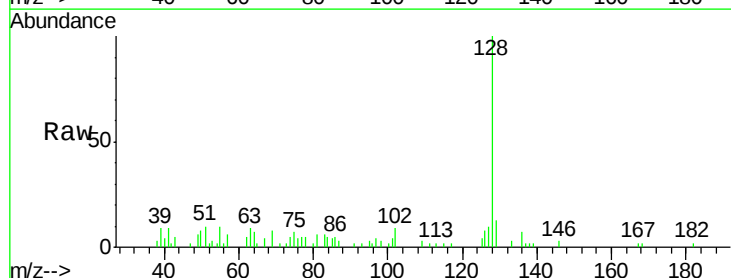


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

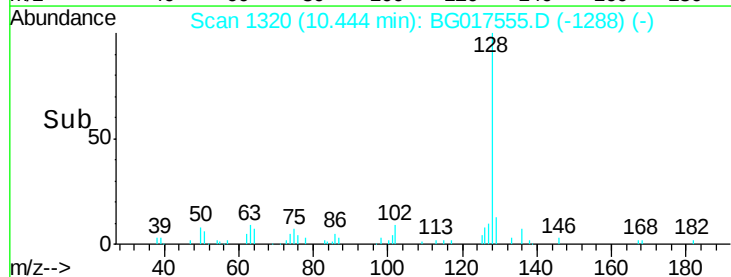
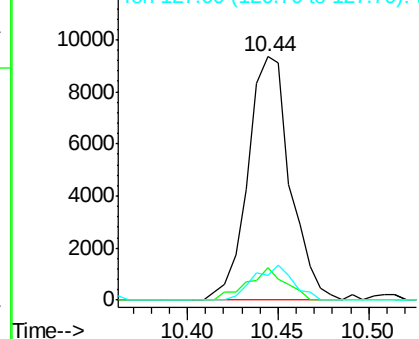


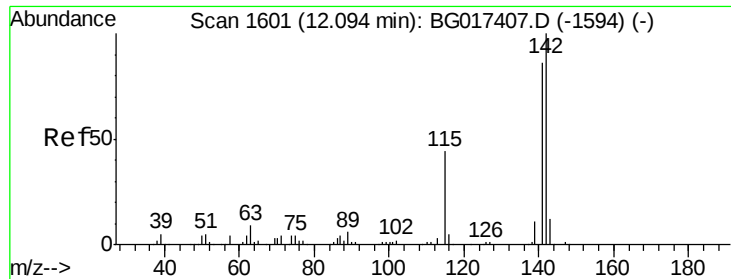
#31
 Naphthalene
 Concen: 3.38 ng
 RT: 10.44 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.2	13.8
127	10.0	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

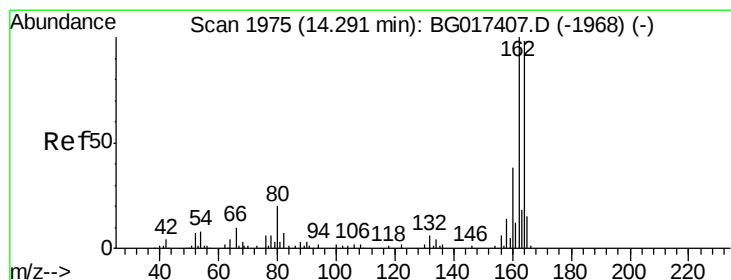
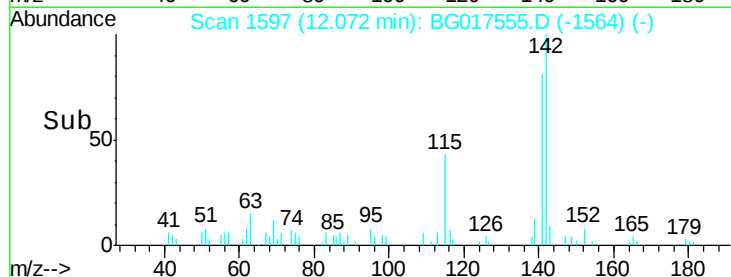
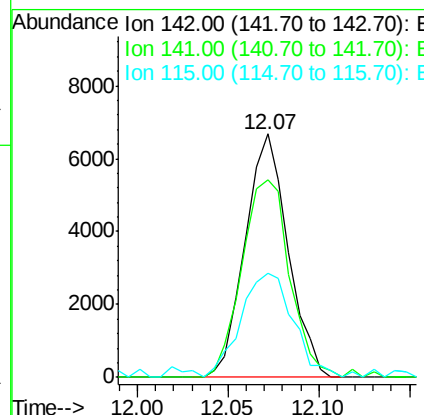
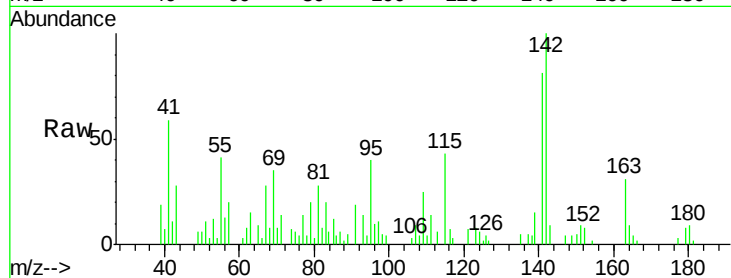




#37
2-Methylnaphthalene
Concen: 3.19 ng
RT: 12.07 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

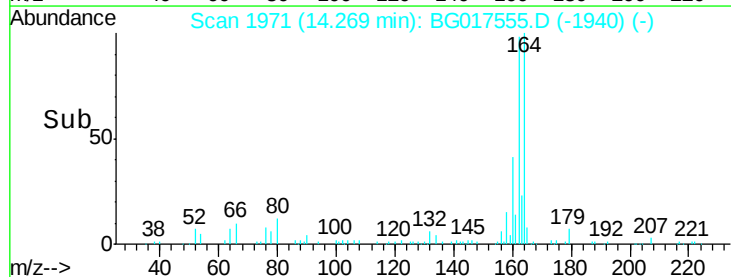
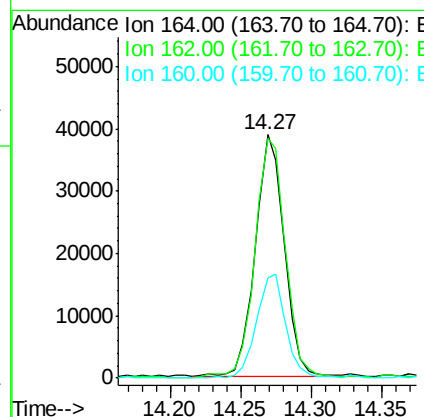
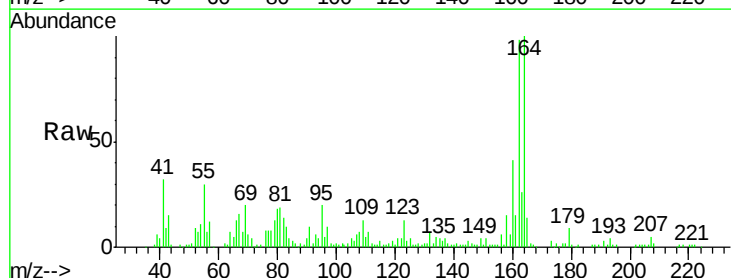
Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

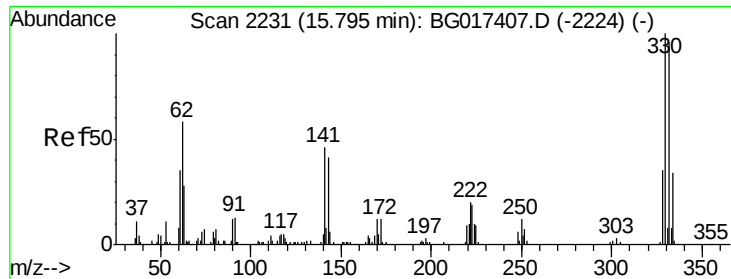
Tgt Ion:142 Resp: 10992
Ion Ratio Lower Upper
142 100
141 81.4 68.6 102.8
115 42.9 35.3 52.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1971
Delta R.T. -0.02 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Tgt Ion:164 Resp: 55341
Ion Ratio Lower Upper
164 100
162 98.3 81.8 122.6
160 41.0 31.0 46.4

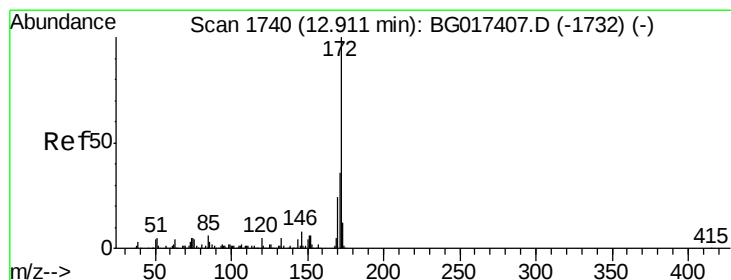
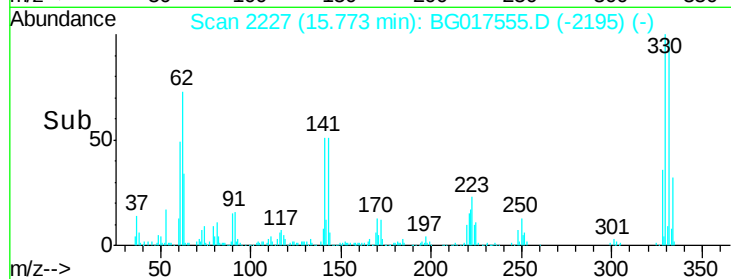
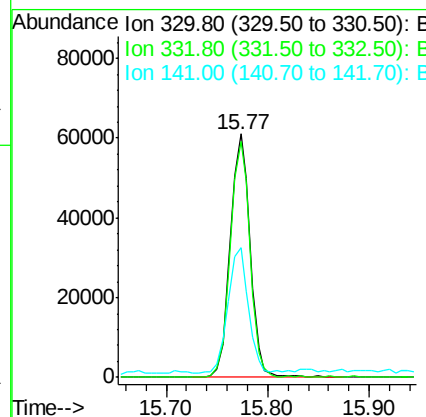
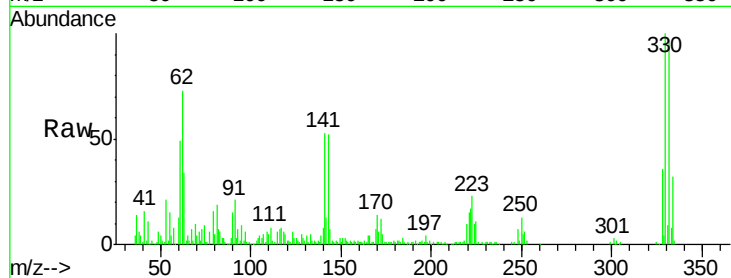




#41
 2,4,6-Tribromophenol
 Concen: 108.36 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

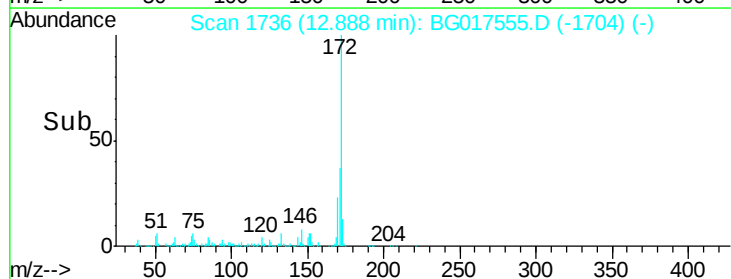
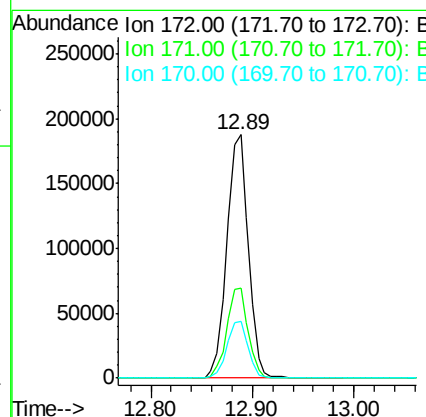
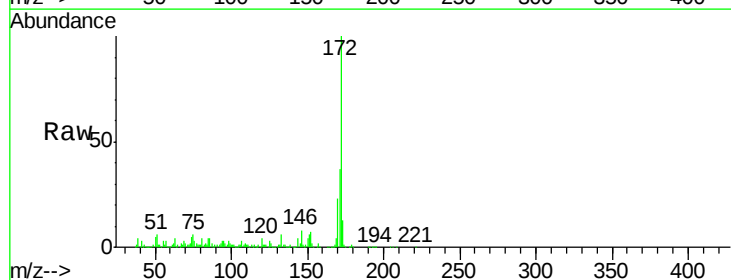
Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

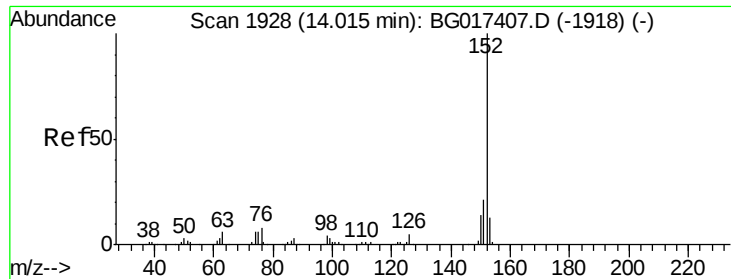
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.9	113.9
141	53.5	40.2	60.4



#44
 2-Fluorobiphenyl
 Concen: 75.11 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	23.2	18.9	28.3





#48

Acenaphthylene

Concen: 2.55 ng

RT: 13.99 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

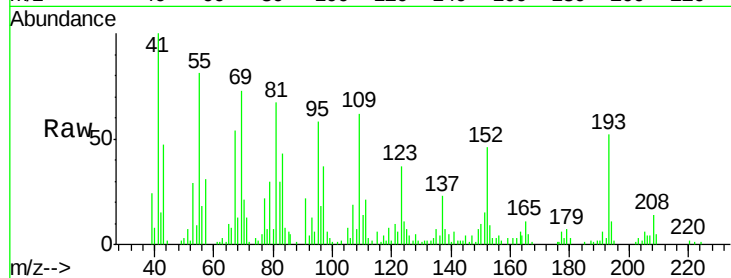
Tgt Ion:152 Resp: 15213

Ion Ratio Lower Upper

152 100

151 31.8 16.5 24.7#

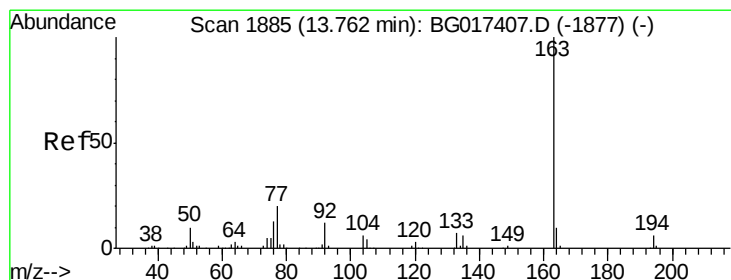
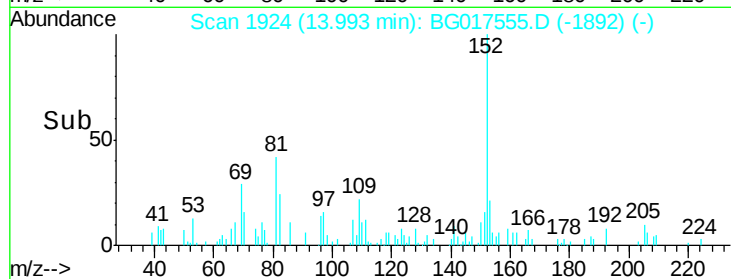
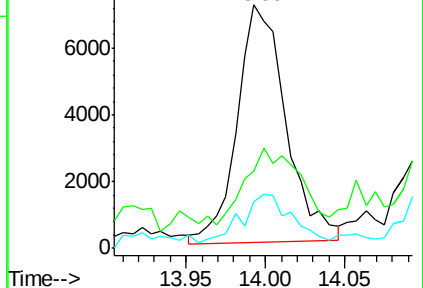
153 19.1 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.73 ng

RT: 13.73 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

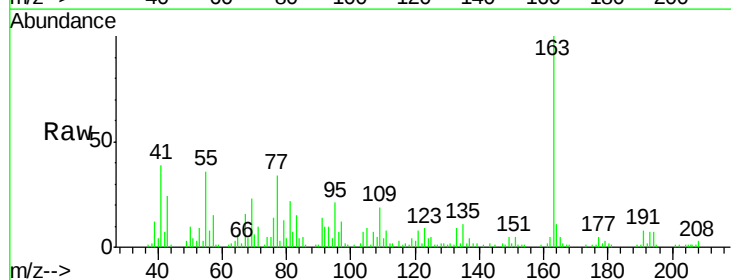
Tgt Ion:163 Resp: 27584

Ion Ratio Lower Upper

163 100

194 7.3 4.9 7.3

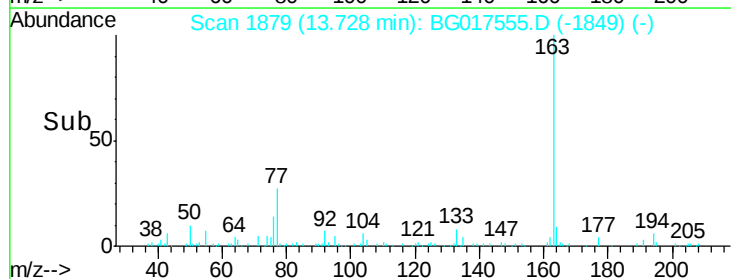
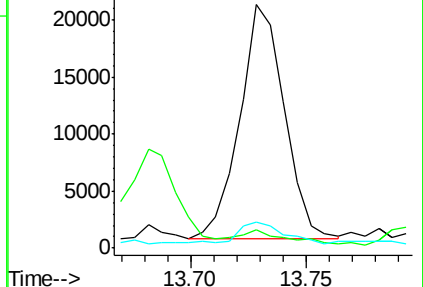
164 10.6 8.2 12.2

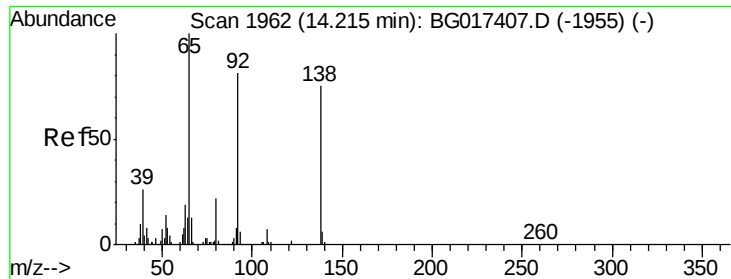


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

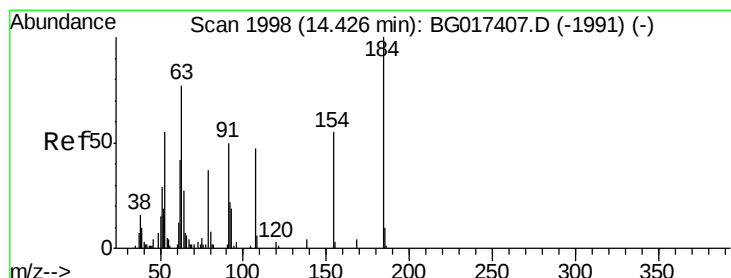
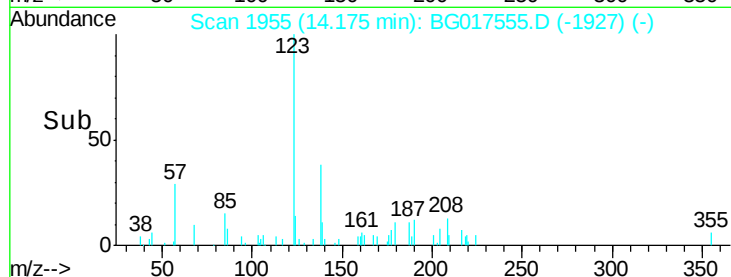
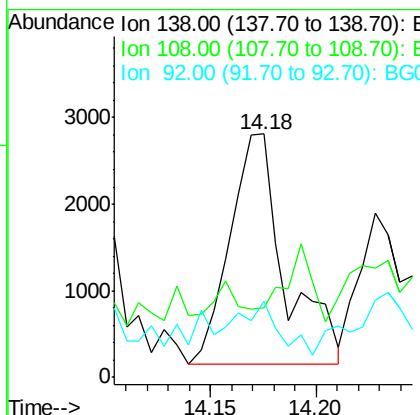
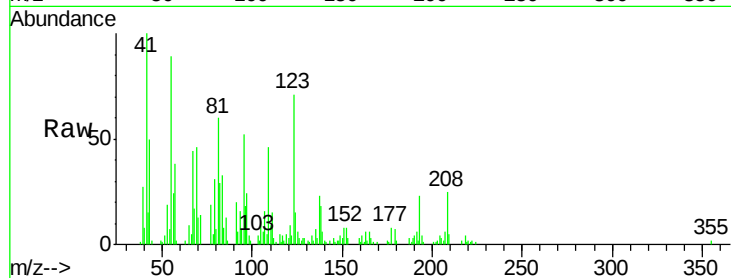




#52
 3-Nitroaniline
 Concen: 4.07 ng
 RT: 14.18 min Scan# 1955
 Delta R.T. -0.03 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

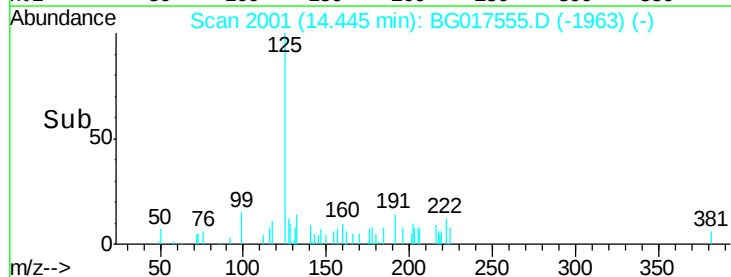
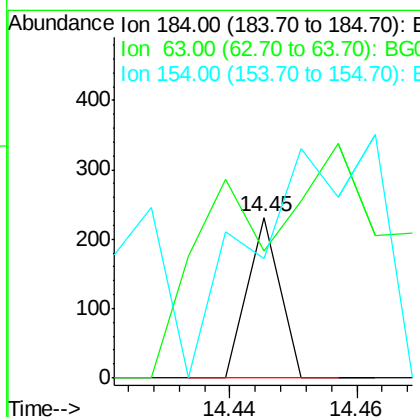
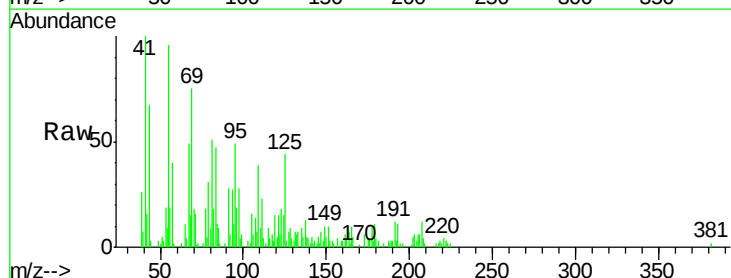
Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

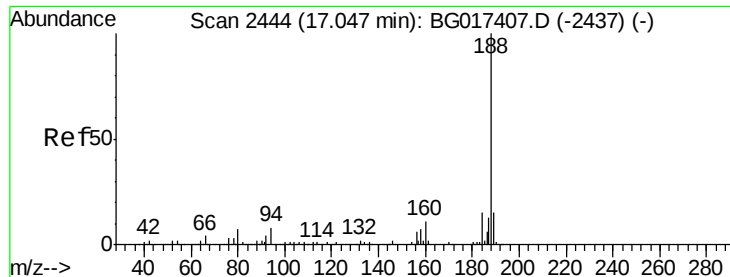
Tgt Ion:138 Resp: 4769
 Ion Ratio Lower Upper
 138 100
 108 28.4 7.5 11.3#
 92 31.1 87.0 130.4#



#53
 2,4-Dinitrophenol
 Concen: 7.13 ng
 RT: 14.45 min Scan# 2001
 Delta R.T. 0.02 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Tgt Ion:184 Resp: 81
 Ion Ratio Lower Upper
 184 100
 63 78.8 61.5 92.3
 154 74.5 53.8 80.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.02 min Scan# 2440

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

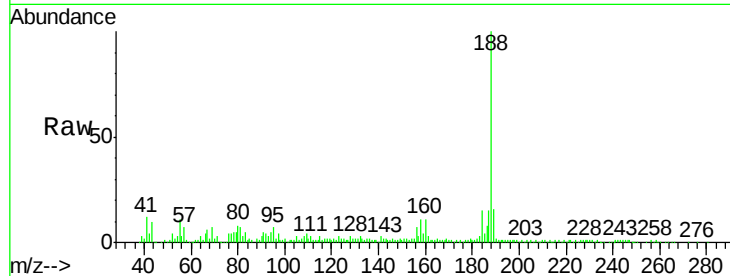
Tgt Ion:188 Resp: 119494

Ion Ratio Lower Upper

188 100

94 5.3 6.3 9.5#

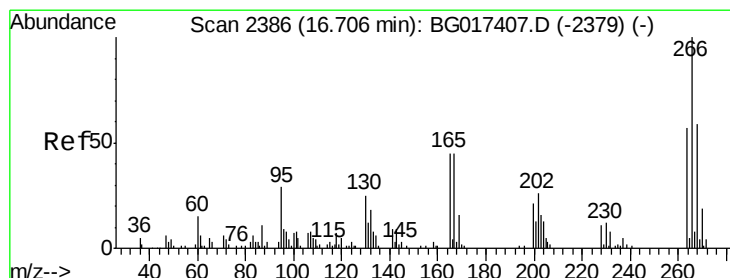
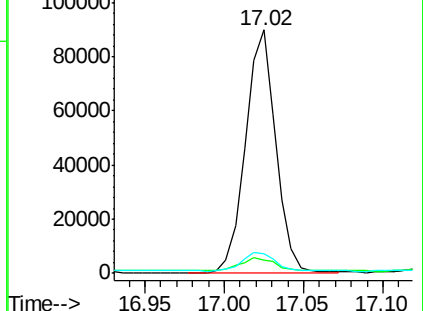
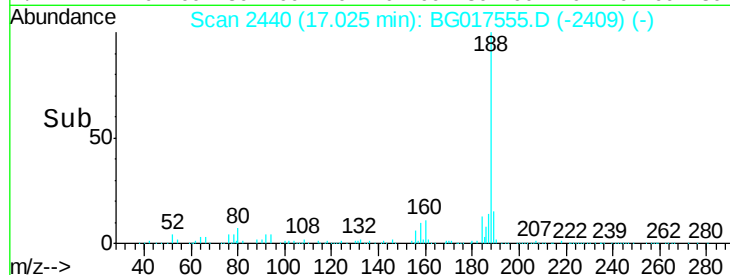
80 8.1 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Pentachlorophenol

Concen: 5.58 ng

RT: 16.65 min Scan# 2377

Delta R.T. -0.05 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

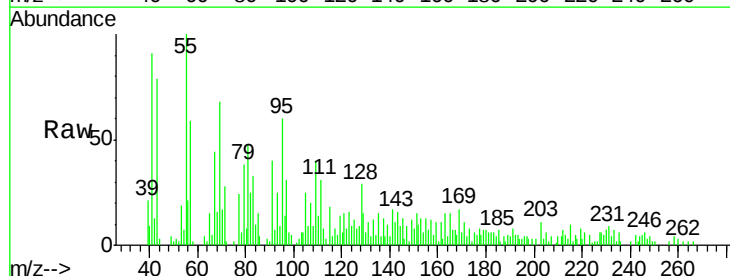
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

268 0.0 47.0 70.6#

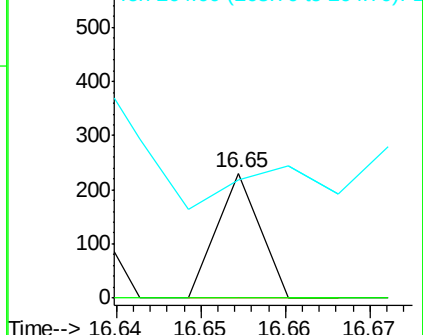
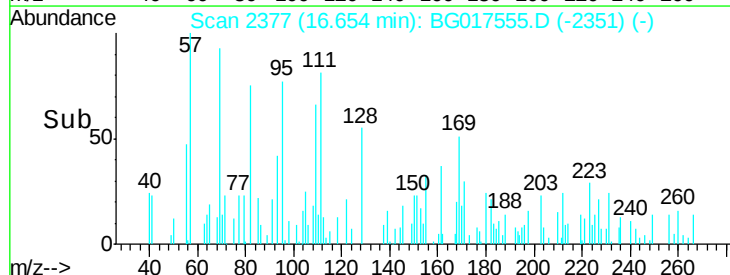
264 94.3 45.7 68.5#

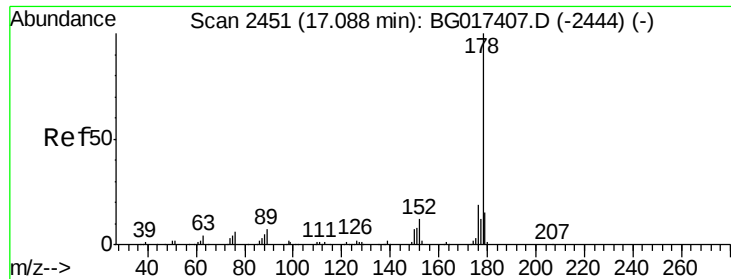


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 4.23 ng

RT: 17.07 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

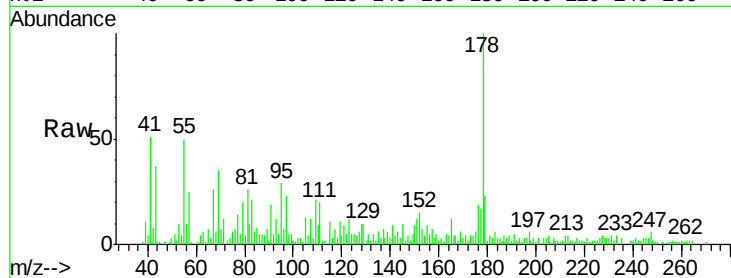
Tgt Ion:178 Resp: 28179

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

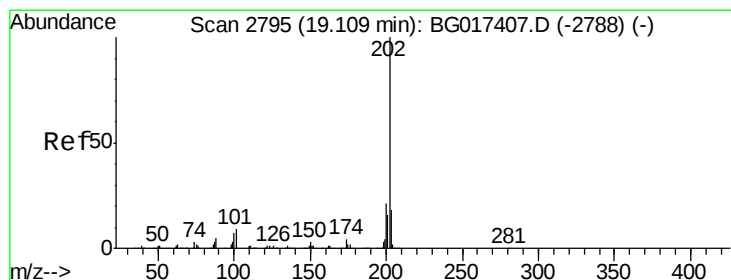
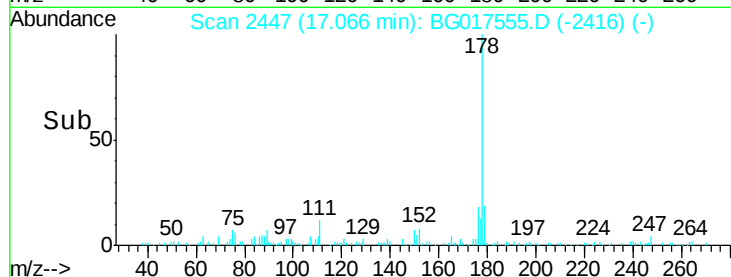
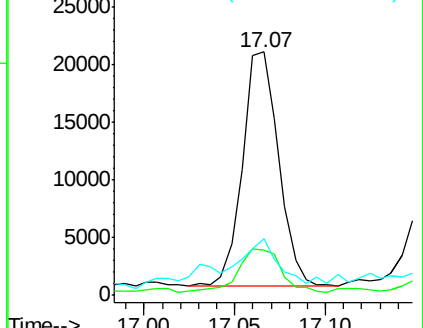
179 23.2 12.2 18.2#



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: 14.05 ng

RT: 19.09 min Scan# 2791

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

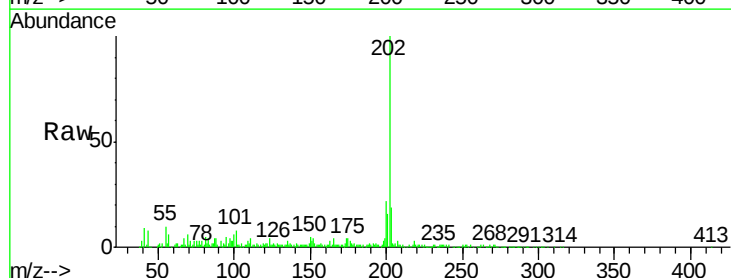
Tgt Ion:202 Resp: 122384

Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.8

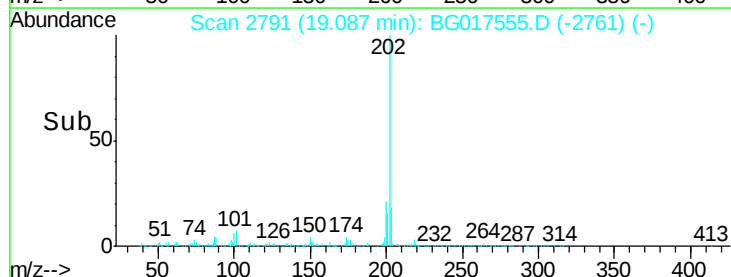
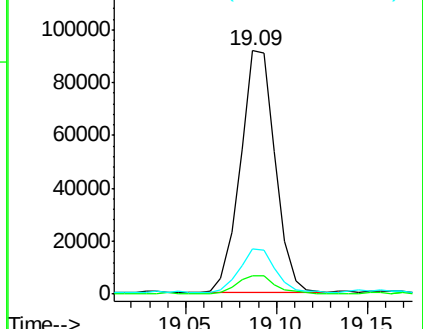
203 18.5 0.0 37.6

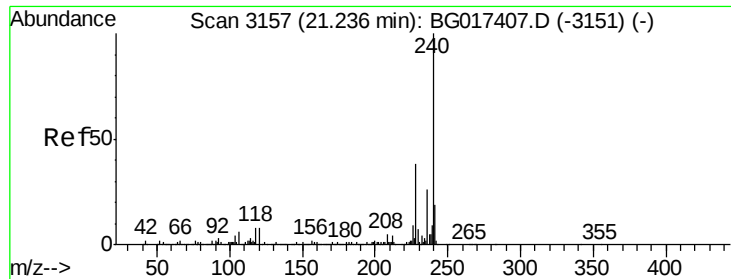


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.22 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

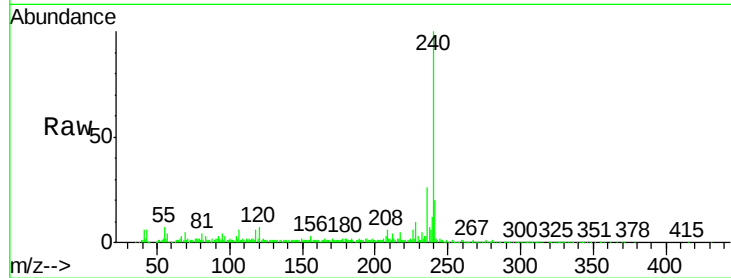
Tgt Ion:240 Resp: 141308

Ion Ratio Lower Upper

240 100

120 7.0 6.5 9.7

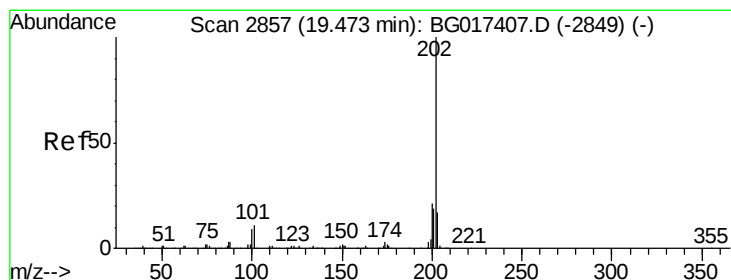
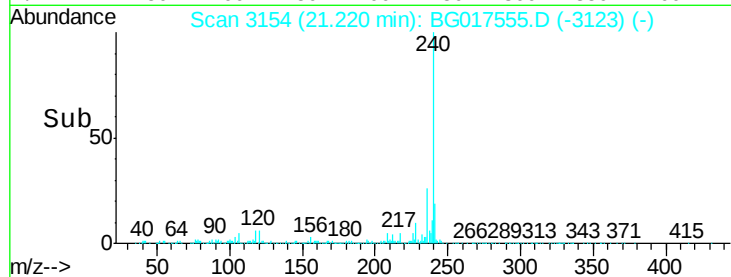
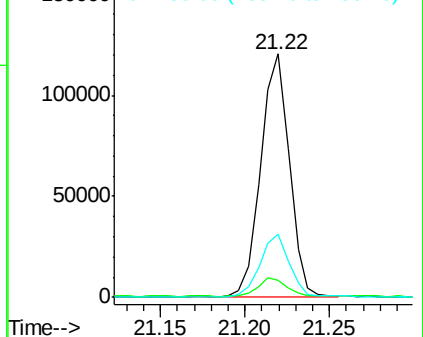
236 25.9 20.8 31.2



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: 14.73 ng

RT: 19.45 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

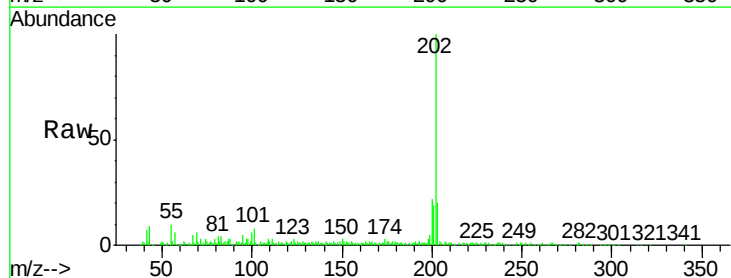
Tgt Ion:202 Resp: 128243

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

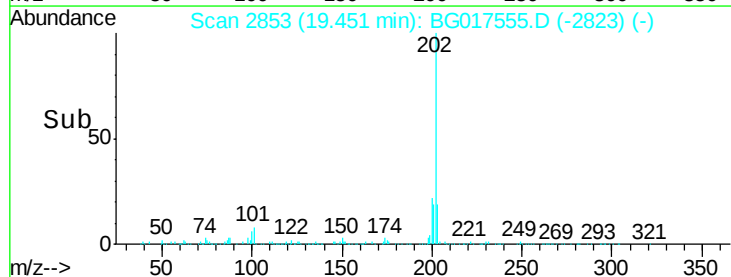
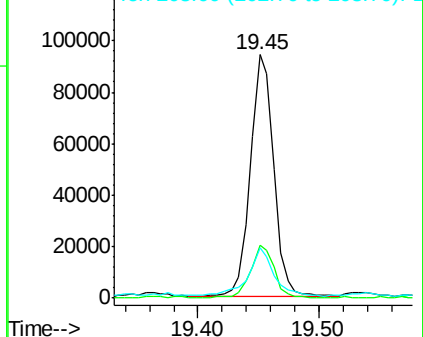
203 20.5 13.9 20.9

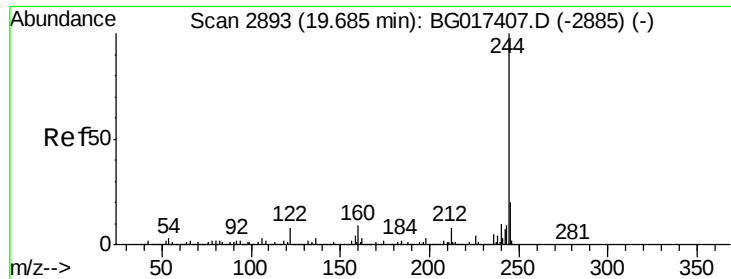


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.70 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

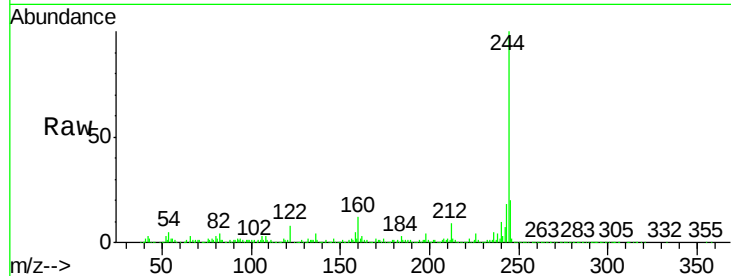
Tgt Ion:244 Resp: 449173

Ion Ratio Lower Upper

244 100

212 9.4 6.4 9.6

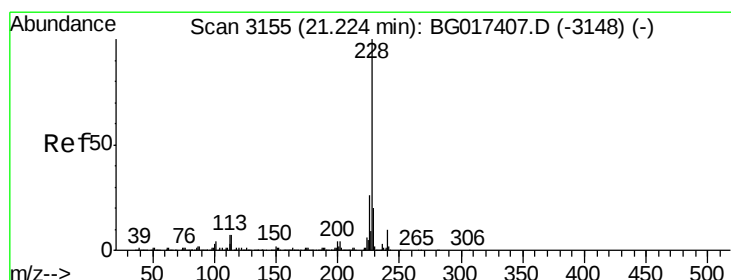
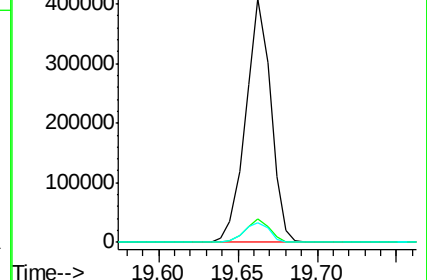
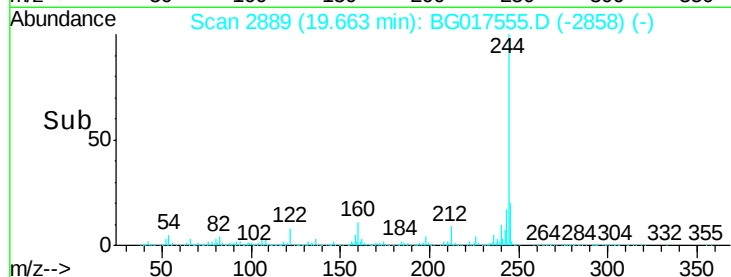
122 8.2 6.6 10.0



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: 9.34 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

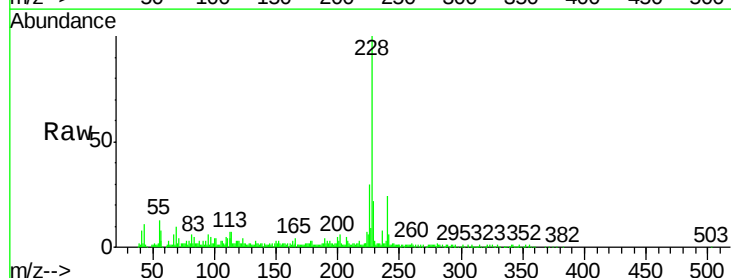
Tgt Ion:228 Resp: 81163

Ion Ratio Lower Upper

228 100

226 29.5 21.0 31.6

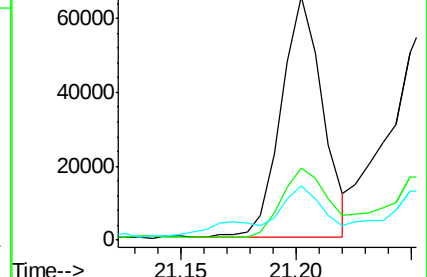
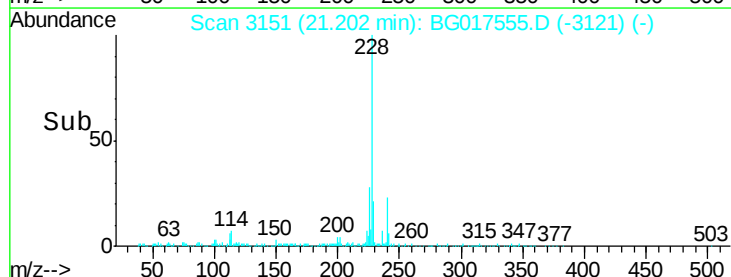
229 22.4 15.7 23.5

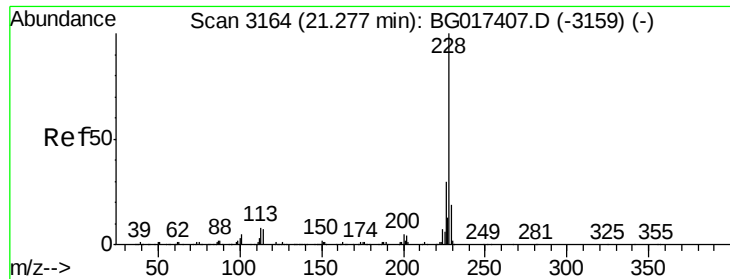


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.84 ng

RT: 21.25 min Scan# 3160

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

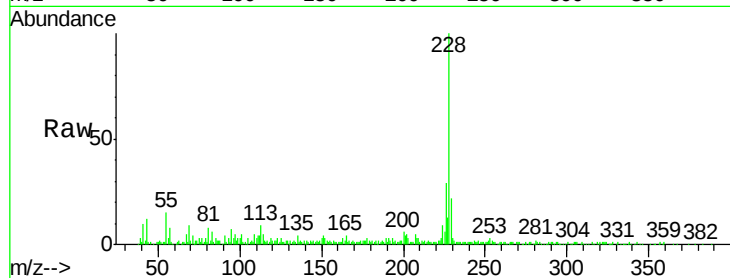
Tgt Ion: 228 Resp: 85319

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

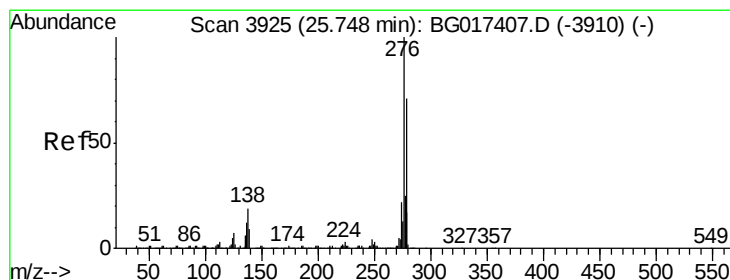
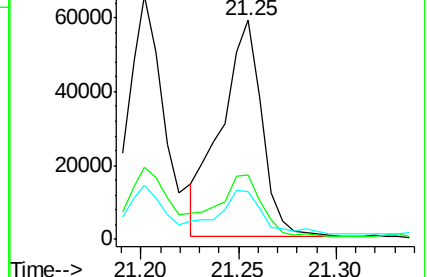
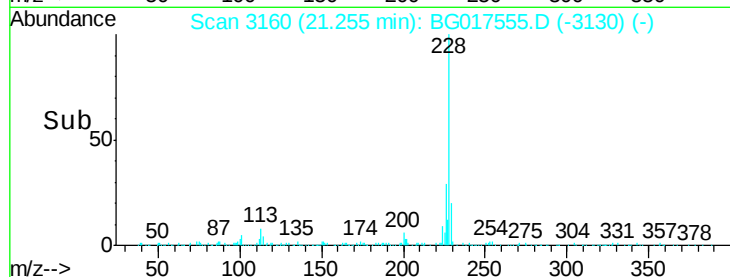
229 21.6 15.2 22.8



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: 6.16 ng

RT: 25.71 min Scan# 3918

Delta R.T. -0.06 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

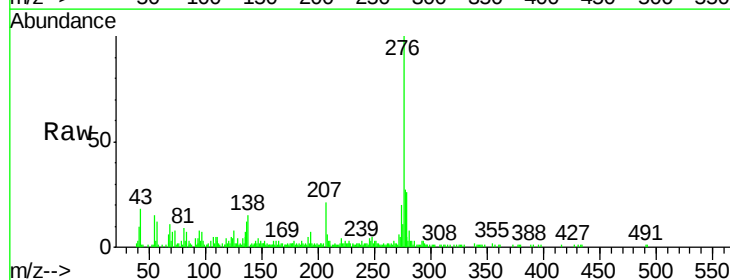
Tgt Ion: 276 Resp: 60820

Ion Ratio Lower Upper

276 100

138 14.2 15.4 23.0#

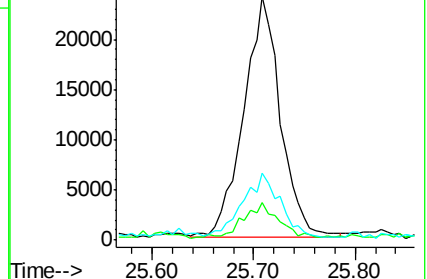
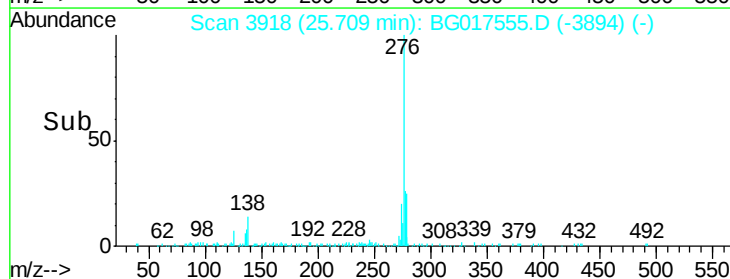
277 27.2 20.5 30.7

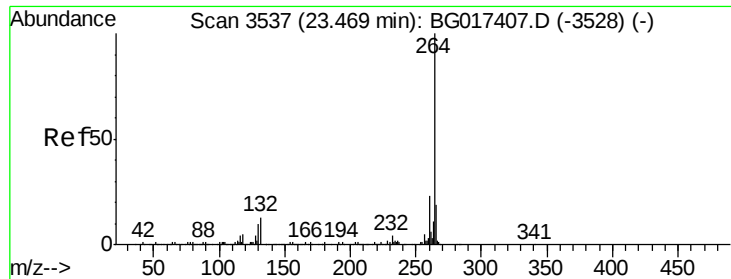


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

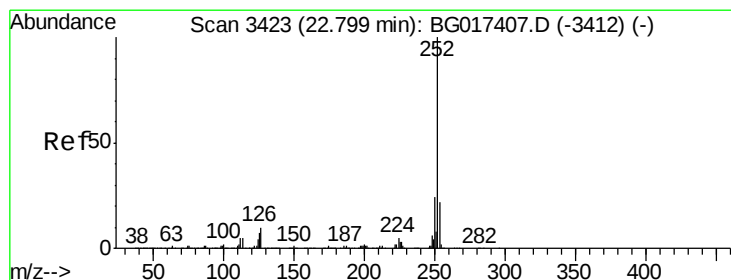
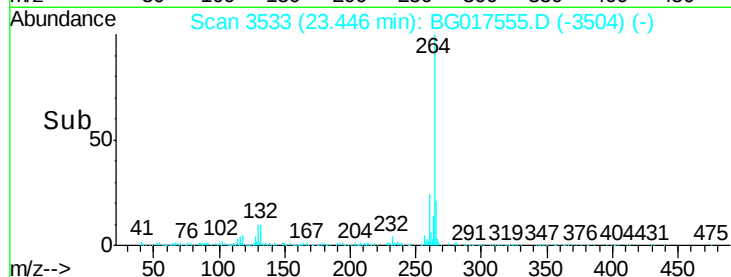
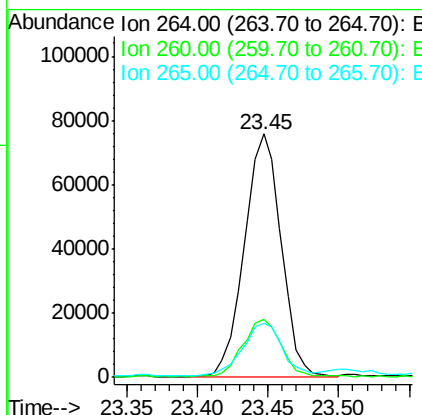
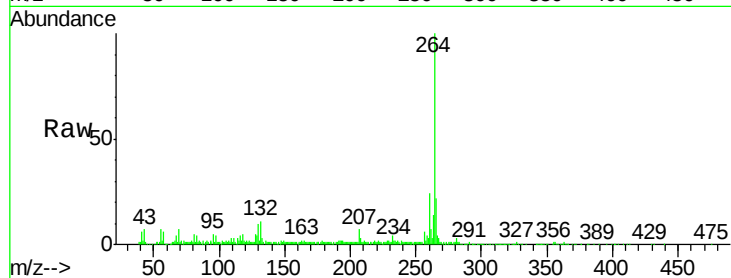




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3533
Delta R.T. -0.03 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

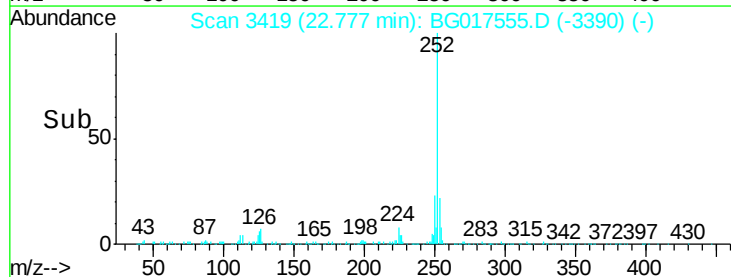
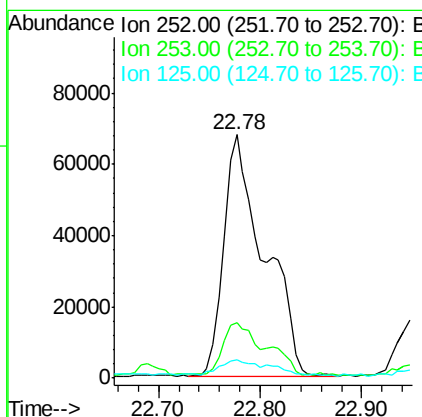
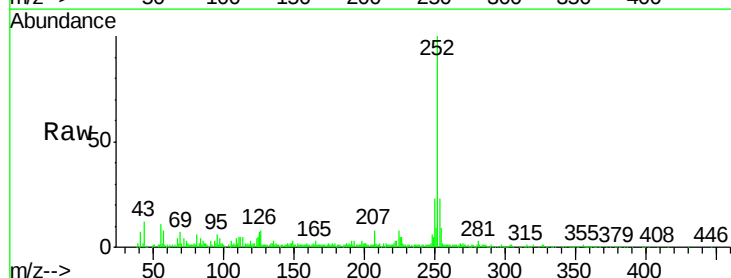
Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

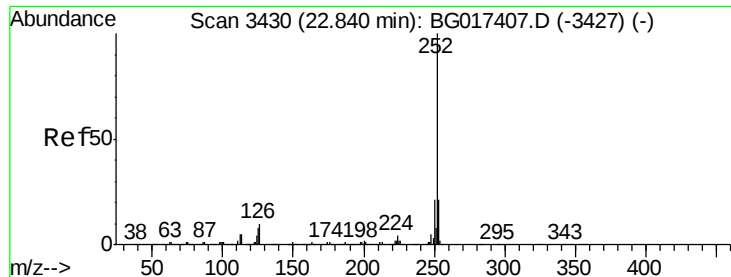
Tgt Ion:264 Resp: 137439
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.4
265 22.0 15.8 23.6



#87
Benzo(b)fluoranthene
Concen: 21.60 ng
RT: 22.78 min Scan# 3419
Delta R.T. -0.03 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Tgt Ion:252 Resp: 188128
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 7.3 5.8 8.8





#88

Benzo(k)fluoranthene

Concen: 22.57 ng

RT: 22.78 min Scan# 3419

Delta R.T. -0.08 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

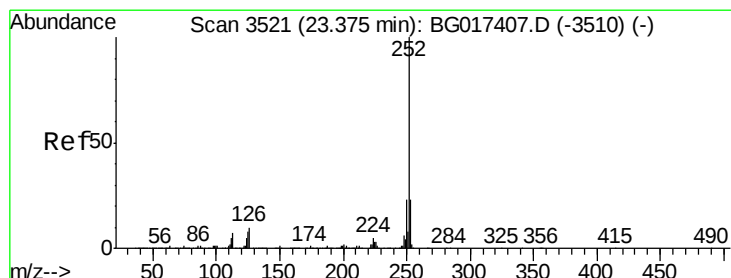
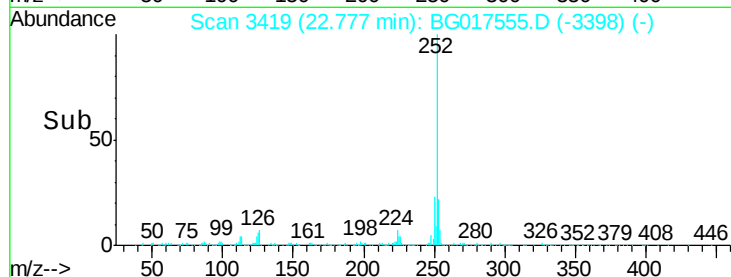
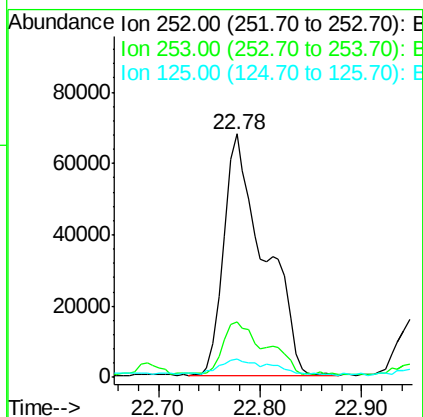
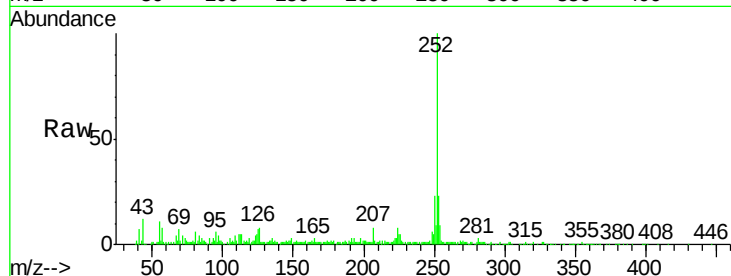
Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

Tgt Ion:	252	Resp:	188128
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	7.3	6.5	9.7



#89

Benzo(a)pyrene

Concen: 9.98 ng

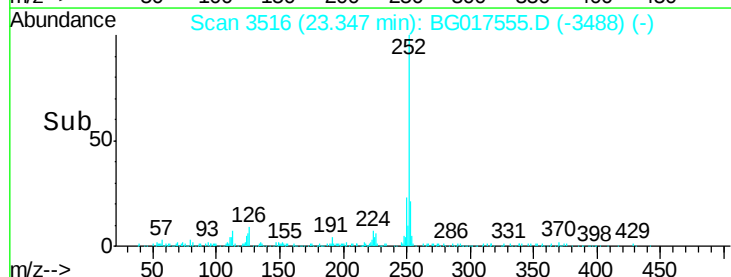
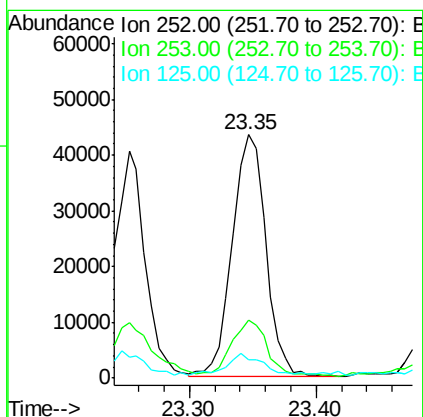
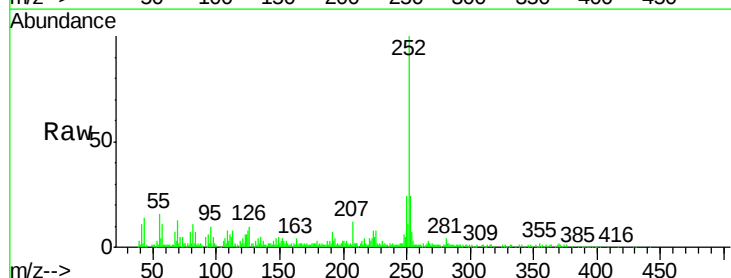
RT: 23.35 min Scan# 3516

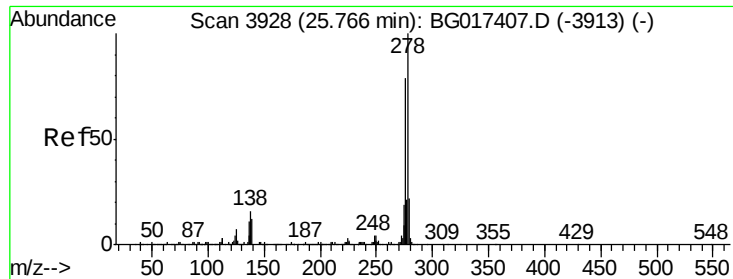
Delta R.T. -0.04 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion:	252	Resp:	79704
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	7.7	6.5	9.7





#90

Dibenzo(a,h)anthracene

Concen: 2.37 ng

RT: 25.70 min Scan# 3917

Delta R.T. -0.08 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7

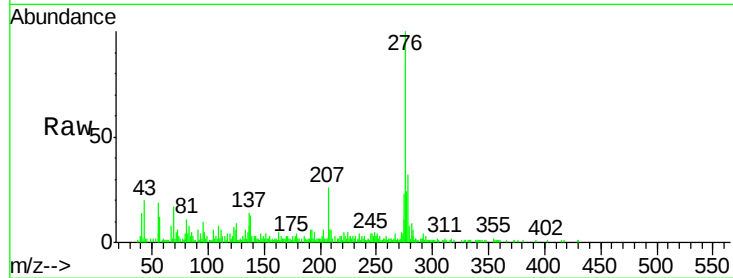
Tgt Ion:278 Resp: 19628

Ion Ratio Lower Upper

278 100

139 10.9 9.4 14.0

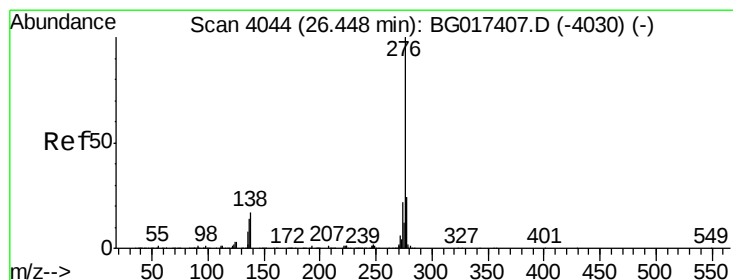
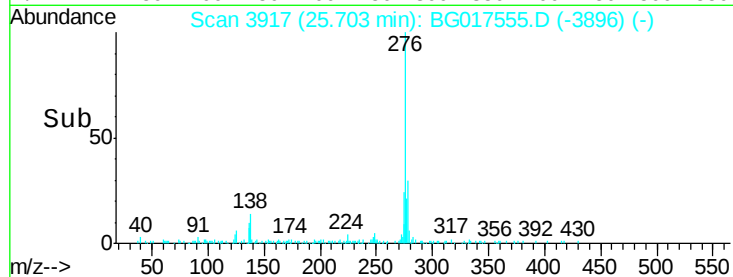
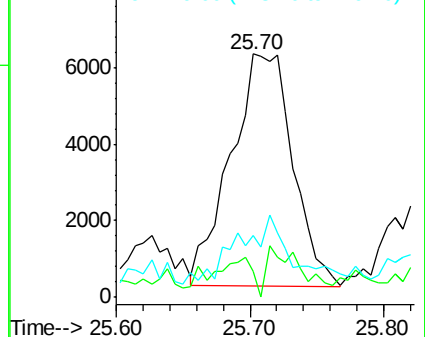
279 25.2 17.8 26.8



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: 7.00 ng

RT: 26.40 min Scan# 4036

Delta R.T. -0.07 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

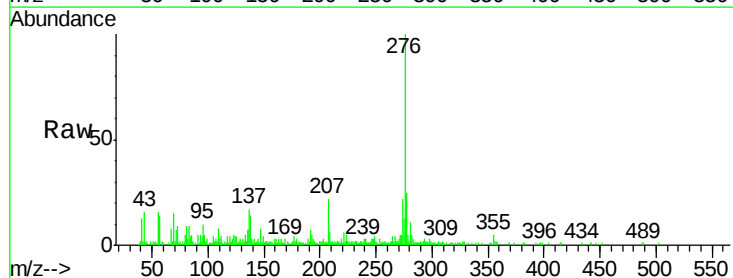
Tgt Ion:276 Resp: 55284

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 13.8 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

