

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017528.D
 Acq On : 7 Jun 2015 11:05
 Operator : TP/IZ
 Sample : G2457-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5

Quant Time: Jun 08 05:24:48 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

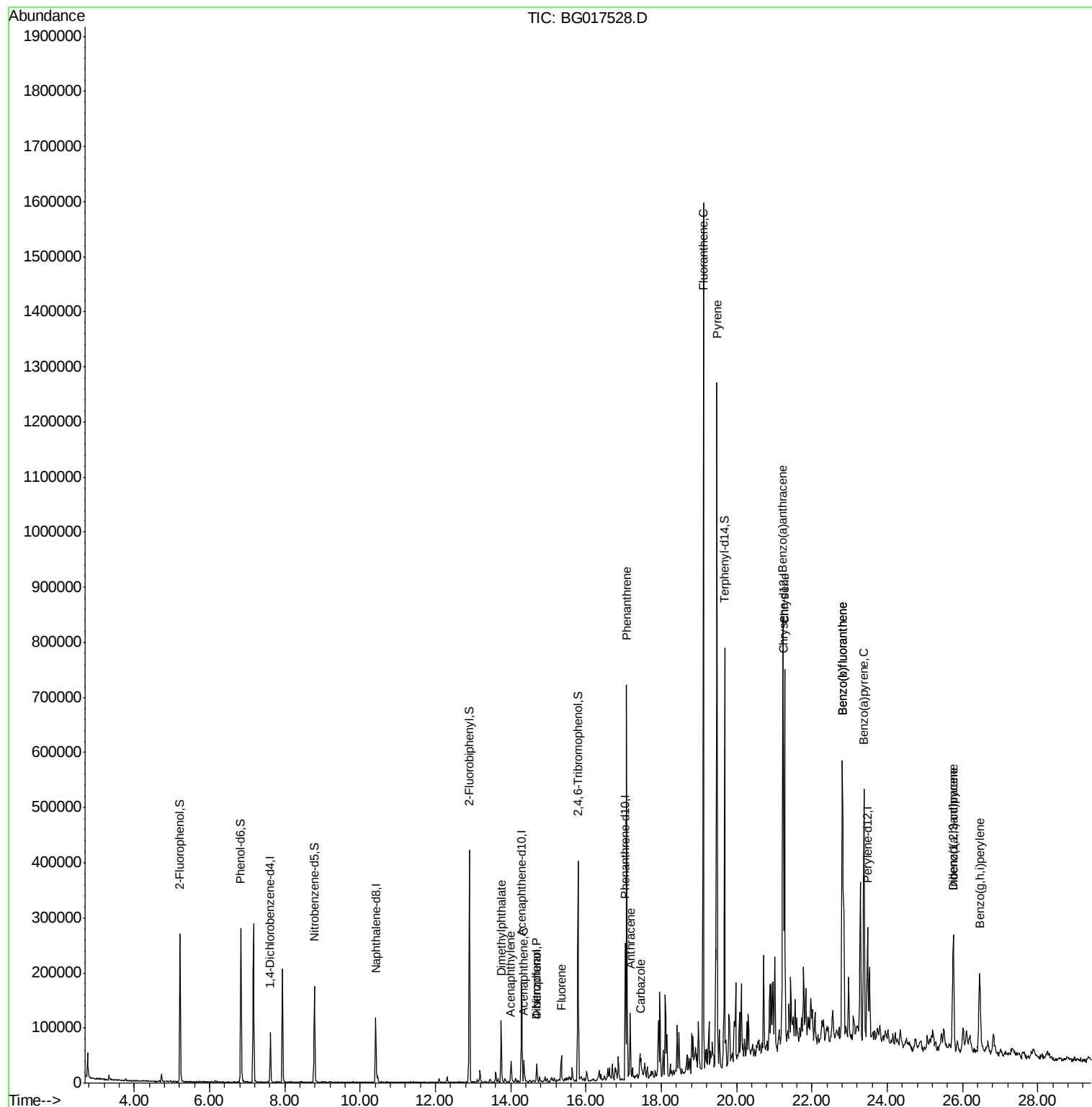
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	19657	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	87073	20.00	ng	-0.01
38) Acenaphthene-d10	14.29	164	56879	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	120348	20.00	ng	0.00
75) Chrysene-d12	21.24	240	145191	20.00	ng	0.00
86) Perylene-d12	23.48	264	139635	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	91091	81.64	ng	0.00
7) Phenol-d6	6.83	99	125700	82.70	ng	0.00
23) Nitrobenzene-d5	8.79	82	89588	51.36	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	53394	67.59	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	187730	49.79	ng	0.00
78) Terphenyl-d14	19.68	244	276080	39.30	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	14.02	152	25245	4.12	ng	95
49) Dimethylphthalate	13.75	163	56451	11.40	ng	98
51) Acenaphthene	14.35	154	11230	3.11	ng	87
54) Dibenzofuran	14.69	168	13086	2.46	ng	# 86
55) 4-Nitrophenol	14.69	139	5954	6.93	ng	# 1
57) Fluorene	15.34	166	18709	3.87	ng	83
70) Phenanthrene	17.08	178	374348	55.79	ng	99
71) Anthracene	17.18	178	65248	9.73	ng	93
72) Carbazole	17.45	167	16168	2.44	ng	# 92
74) Fluoranthene	19.12	202	836185	95.30	ng	98
77) Pyrene	19.48	202	713381	79.76	ng	100
80) Benzo(a)anthracene	21.23	228	340392	38.12	ng	96
82) Chrysene	21.28	228	323177	39.97	ng	97
85) Indeno(1,2,3-cd)pyrene	25.76	276	183627	18.09	ng	97
87) Benzo(b)fluoranthene	22.81	252	562800	63.60	ng	97
88) Benzo(k)fluoranthene	22.81	252	562800	66.46	ng	98
89) Benzo(a)pyrene	23.38	252	291209	35.88	ng	99
90) Dibenzo(a,h)anthracene	25.76	278	51933	6.16	ng	# 88
91) Benzo(g,h,i)perylene	26.46	276	167257	20.84	ng	96

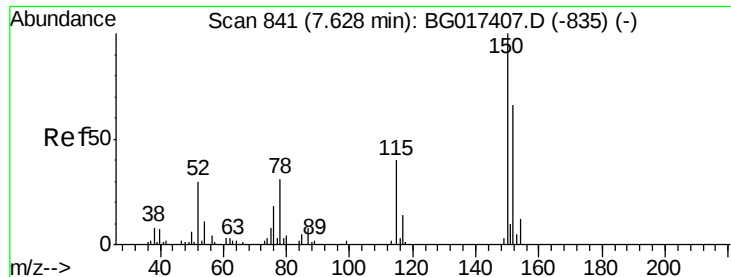
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017528.D
Acq On : 7 Jun 2015 11:05
Operator : TP/IZ
Sample : G2457-09 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-5

Quant Time: Jun 08 05:24:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

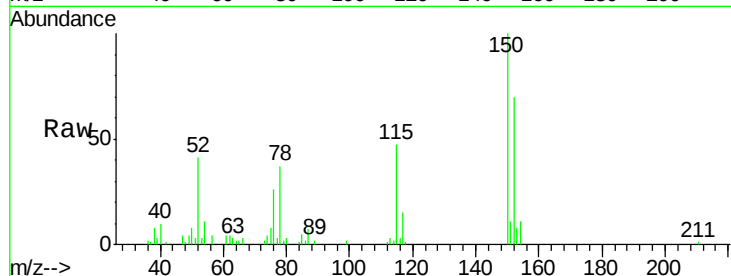
Tgt Ion:152 Resp: 19657

Ion Ratio Lower Upper

152 100

150 143.4 121.7 182.5

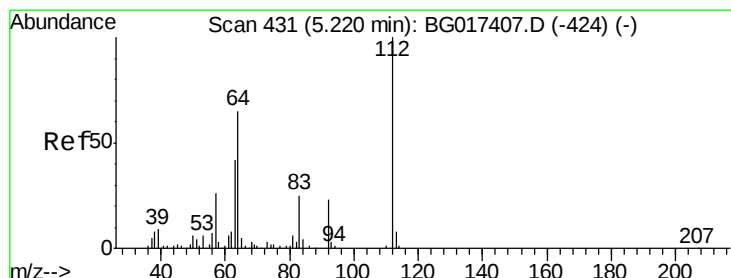
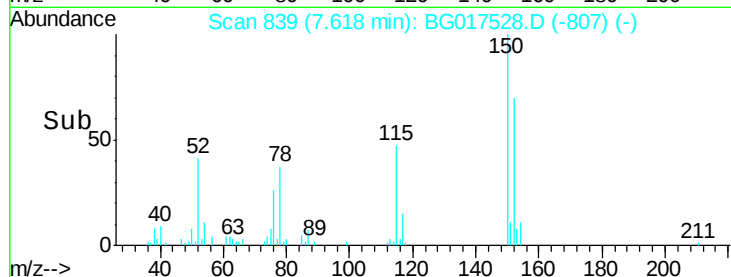
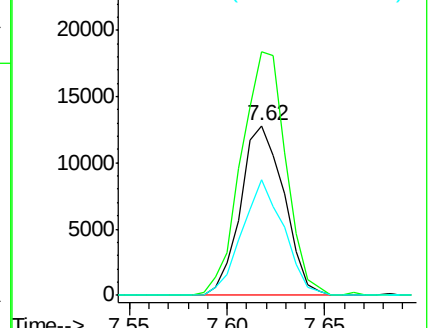
115 68.0 48.6 73.0



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: 81.64 ng

RT: 5.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

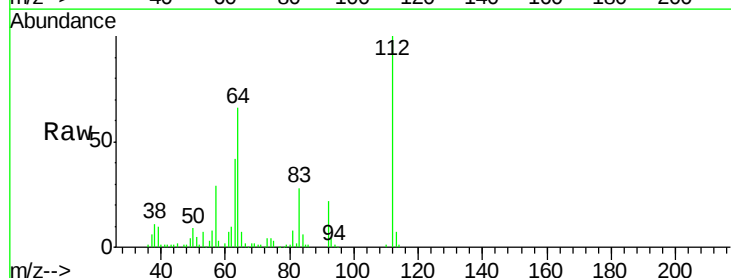
Tgt Ion:112 Resp: 91091

Ion Ratio Lower Upper

112 100

64 66.0 51.6 77.4

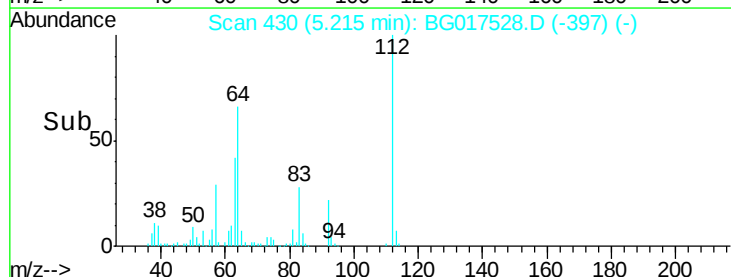
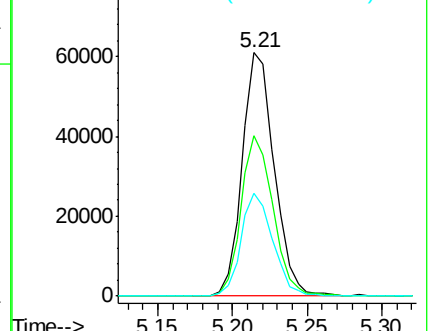
63 42.1 33.3 49.9



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: 82.70 ng

RT: 6.83 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

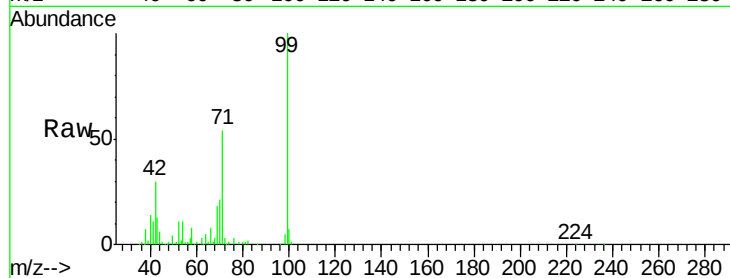
Tgt Ion: 99 Resp: 125700

Ion Ratio Lower Upper

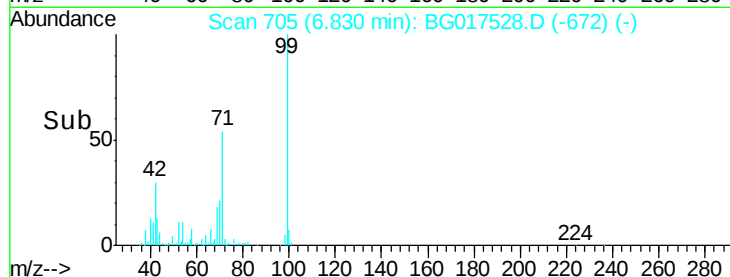
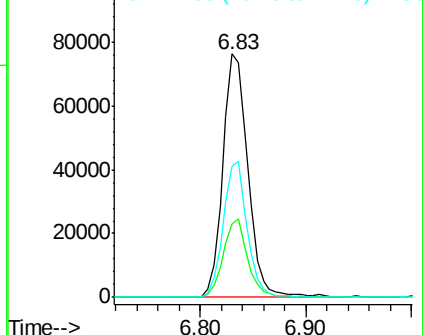
99 100

42 30.2 21.0 31.6

71 53.9 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# 1315

Delta R.T. -0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Tgt Ion: 136 Resp: 87073

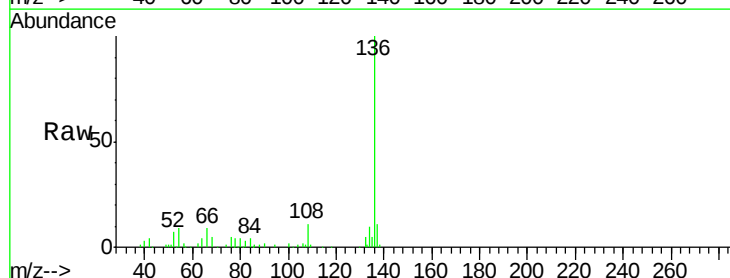
Ion Ratio Lower Upper

136 100

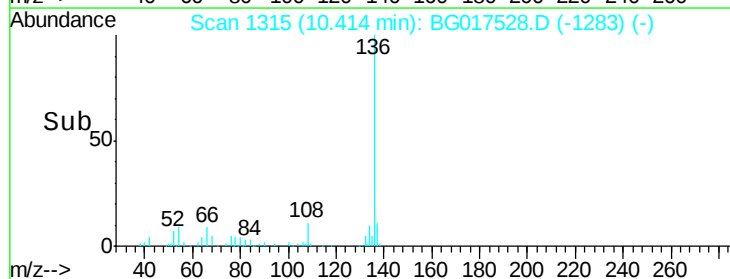
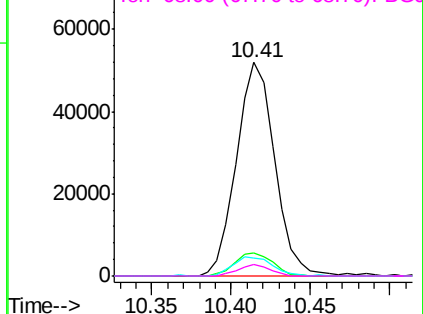
137 11.0 7.9 11.9

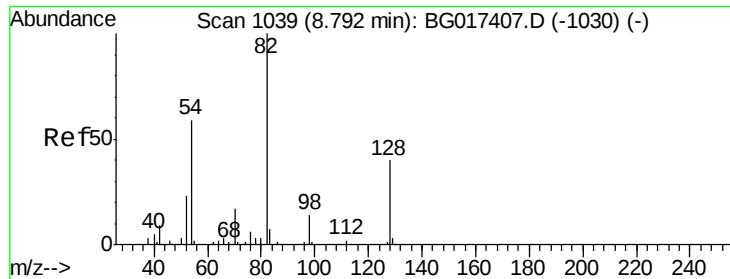
54 8.7 7.2 10.8

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

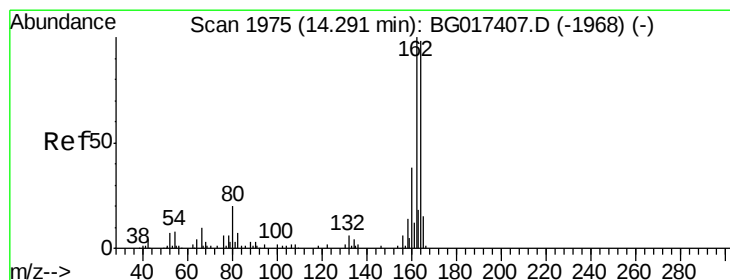
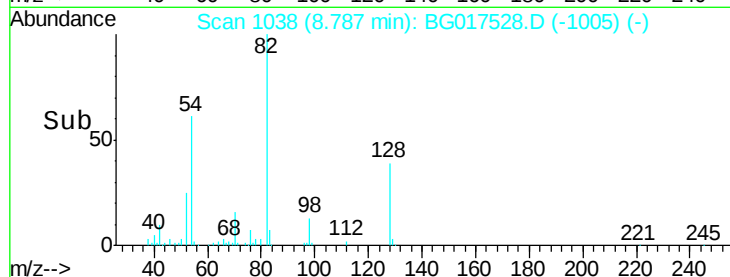
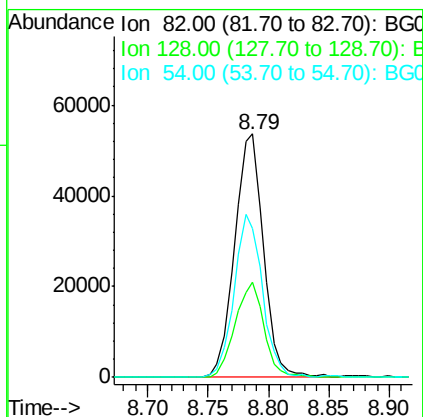
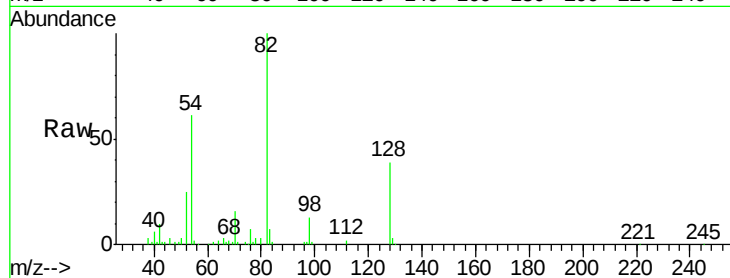




#23
Nitrobenzene-d5
Concen: 51.36 ng
RT: 8.79 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

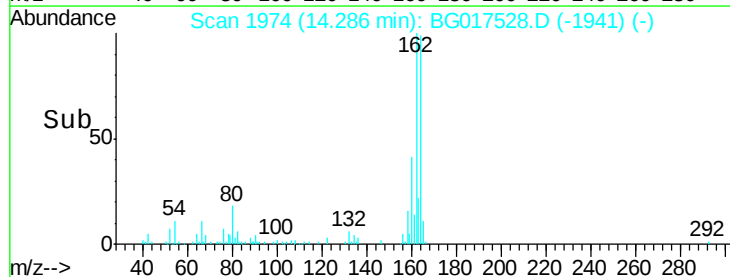
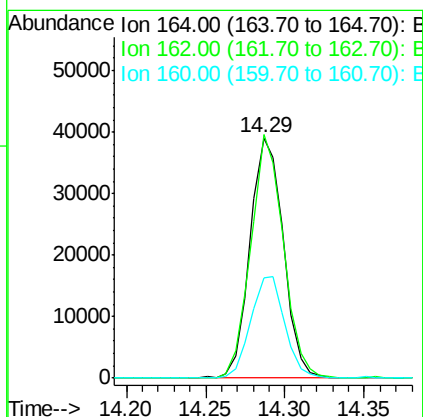
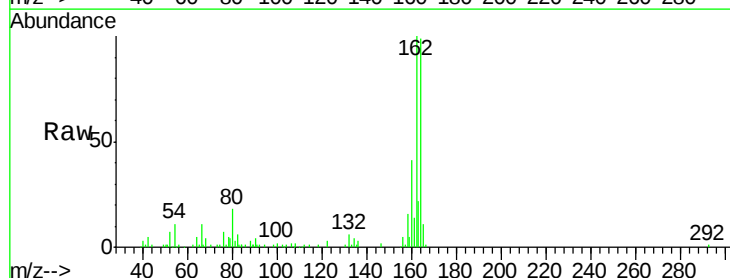
Instrument :
BNA_G
ClientSampleId :
SP-5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.2	48.4
54	61.3	47.4	71.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.29 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.8	122.6
160	41.6	31.0	46.4

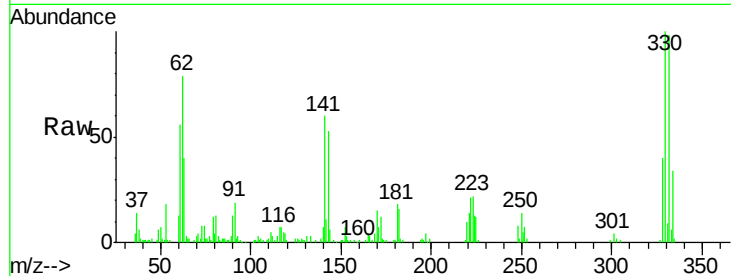




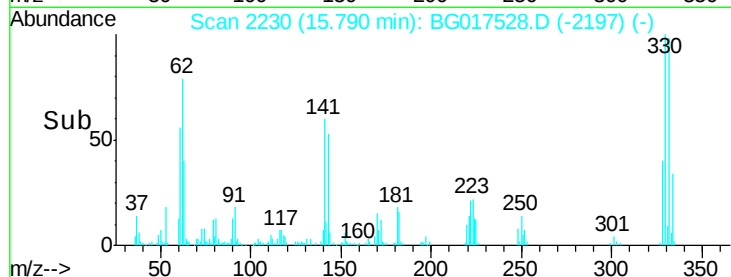
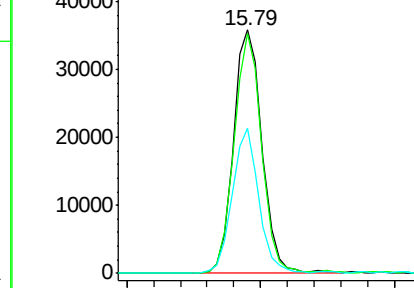
#41
 2,4,6-Tribromophenol
 Concen: 67.59 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

Instrument :
 BNA_G
 ClientSampleId :
 SP-5

Tgt Ion:330 Resp: 53394
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.9 113.9
 141 55.7 40.2 60.4

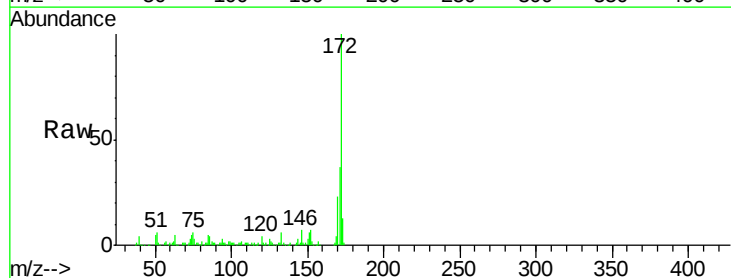


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

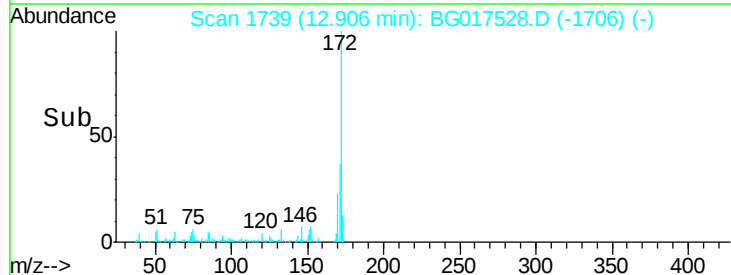
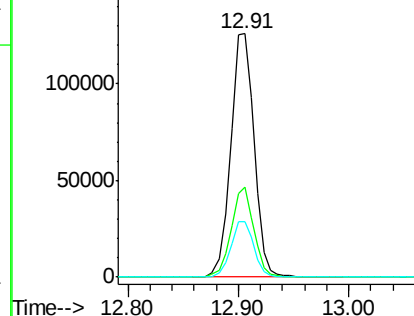


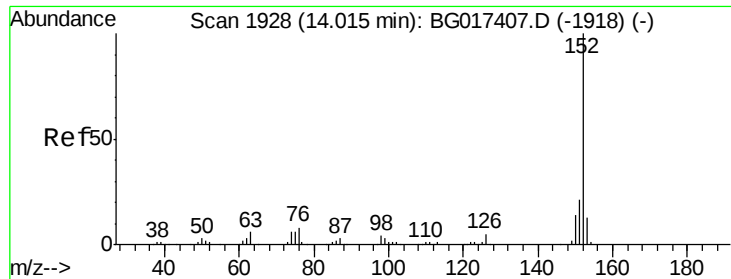
#44
 2-Fluorobiphenyl
 Concen: 49.79 ng
 RT: 12.91 min Scan# 1739
 Delta R.T. -0.00 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

Tgt Ion:172 Resp: 187730
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.0 43.6
 170 22.9 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 4.12 ng

RT: 14.02 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

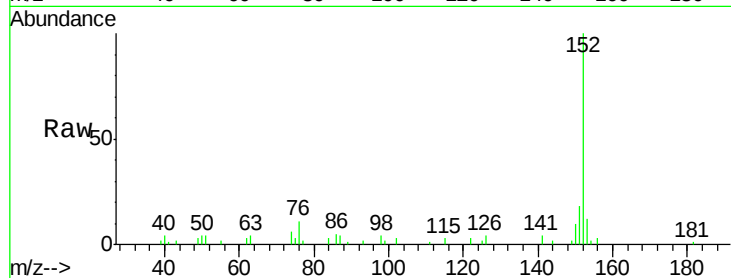
Tgt Ion:152 Resp: 25245

Ion Ratio Lower Upper

152 100

151 17.9 16.5 24.7

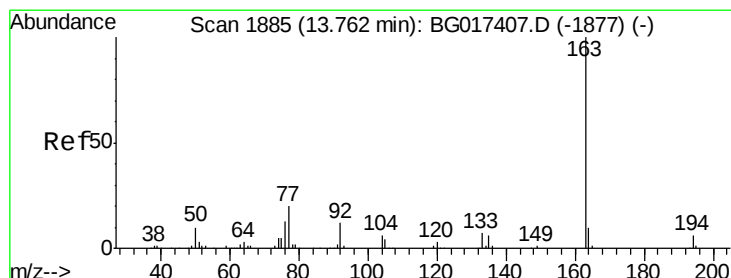
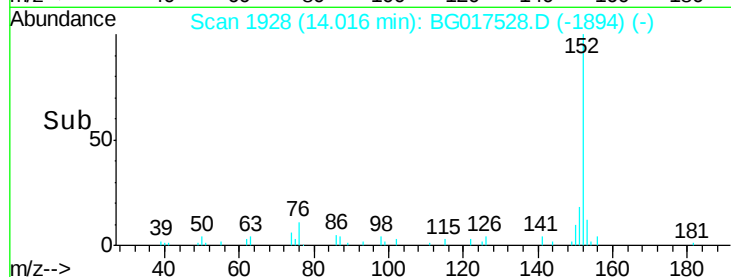
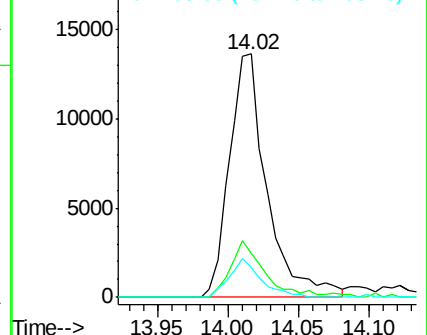
153 12.1 10.7 16.1



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: 11.40 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

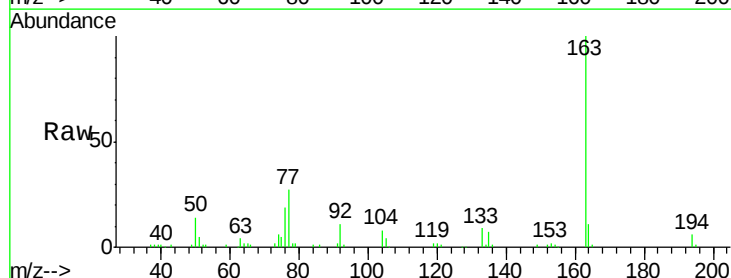
Tgt Ion:163 Resp: 56451

Ion Ratio Lower Upper

163 100

194 5.5 4.9 7.3

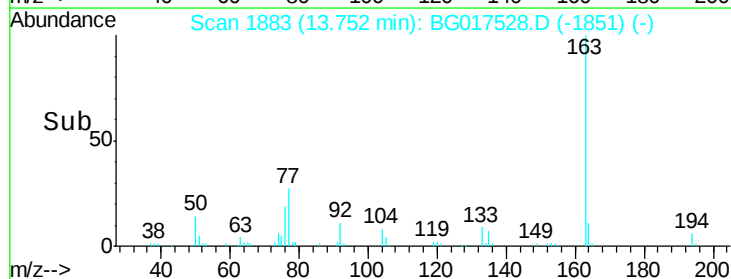
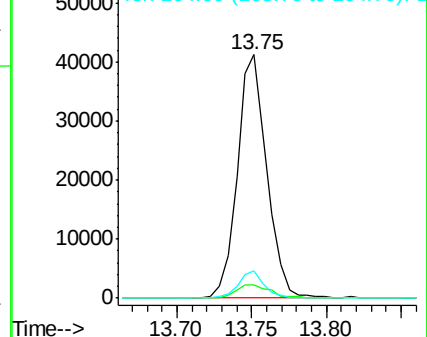
164 11.0 8.2 12.2

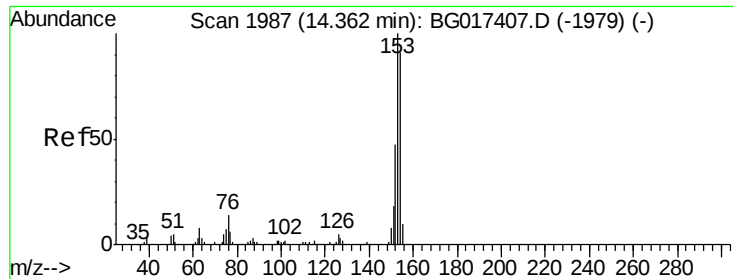


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.11 ng

RT: 14.35 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

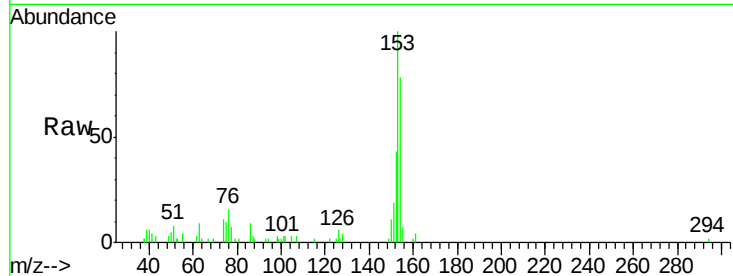
Tgt Ion:154 Resp: 11230

Ion Ratio Lower Upper

154 100

153 127.7 87.7 131.5

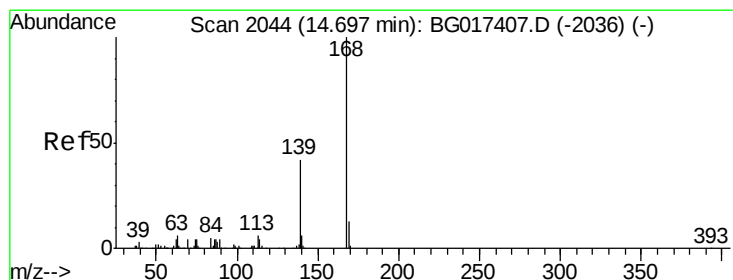
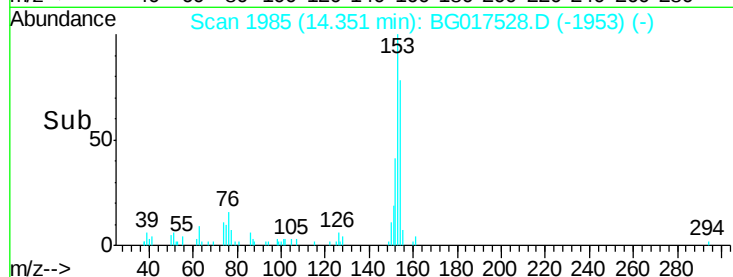
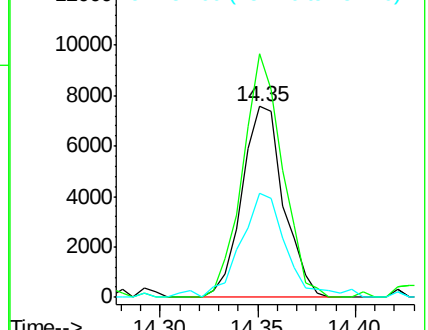
152 54.6 40.8 61.2



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: 2.46 ng

RT: 14.69 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

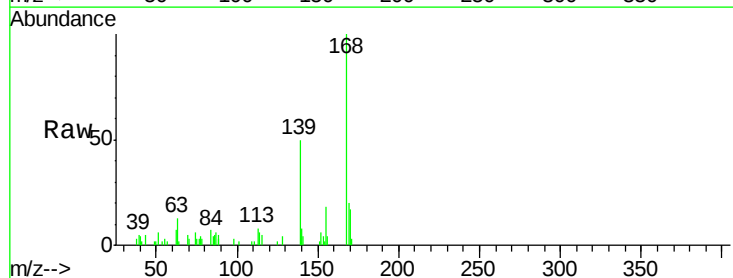
Tgt Ion:168 Resp: 13086

Ion Ratio Lower Upper

168 100

139 49.9 33.2 49.8#

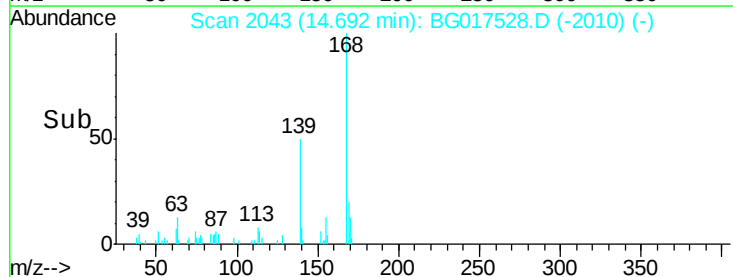
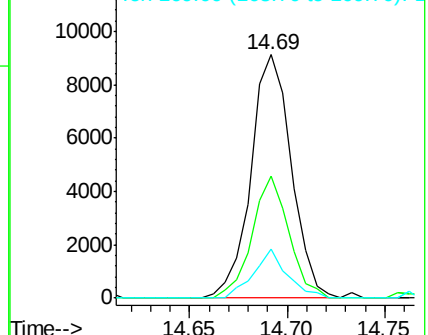
169 20.3 10.6 16.0#

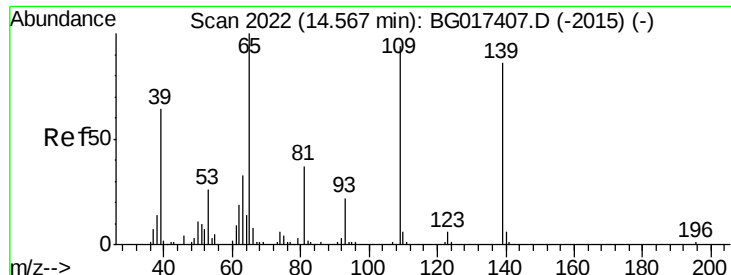


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

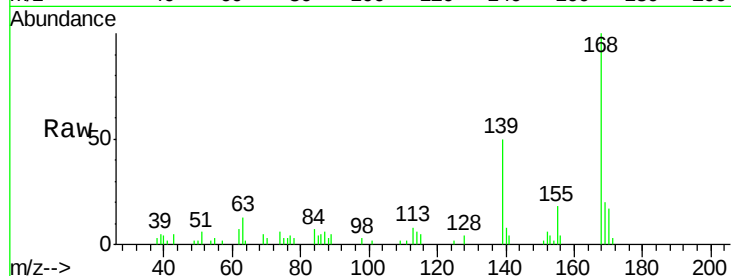




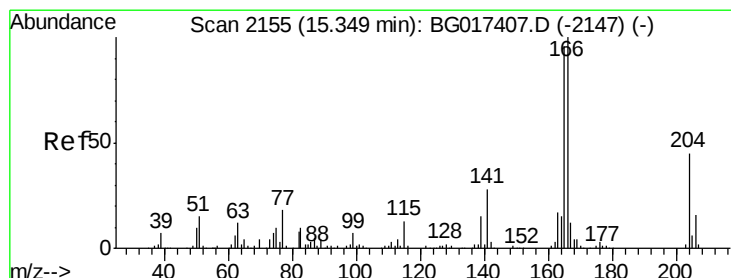
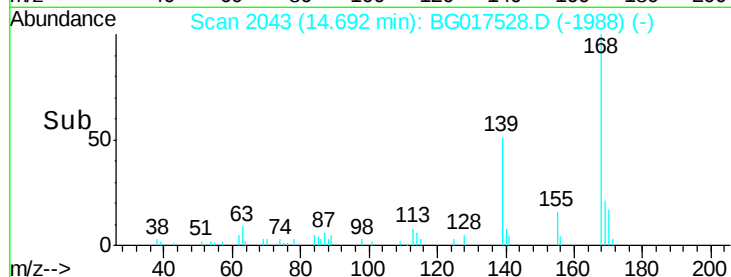
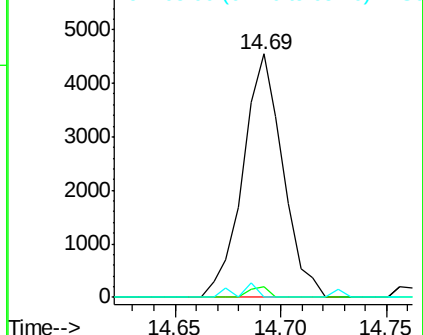
#55
4-Nitrophenol
Concen: 6.93 ng
RT: 14.69 min Scan# 2043
Delta R.T. 0.12 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

Instrument :
BNA_G
ClientSampleId :
SP-5

Tgt Ion:139 Resp: 5954
Ion Ratio Lower Upper
139 100
109 4.5 89.5 129.5#
65 0.0 95.9 135.9#

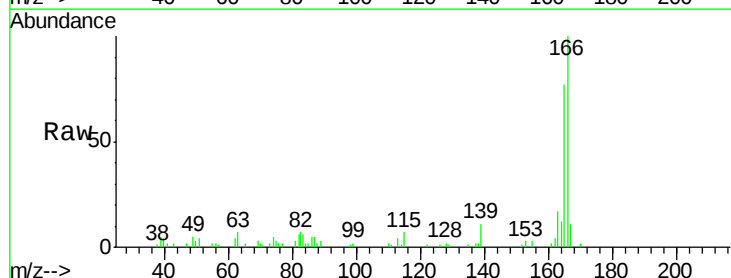


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

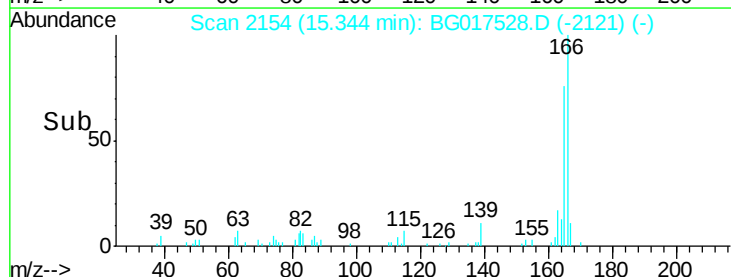
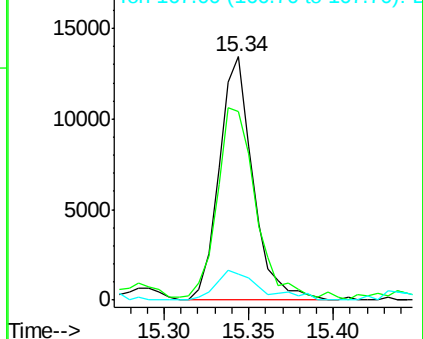


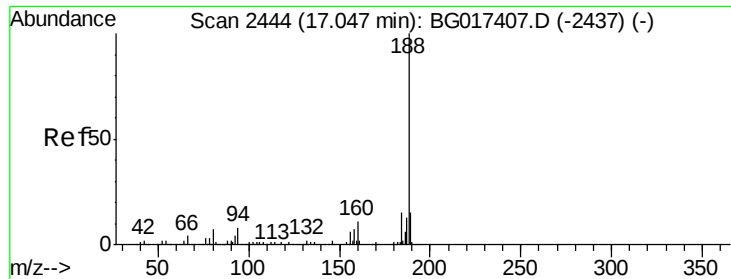
#57
Fluorene
Concen: 3.87 ng
RT: 15.34 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

Tgt Ion:166 Resp: 18709
Ion Ratio Lower Upper
166 100
165 77.2 76.8 115.2
167 10.8 9.9 14.9



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

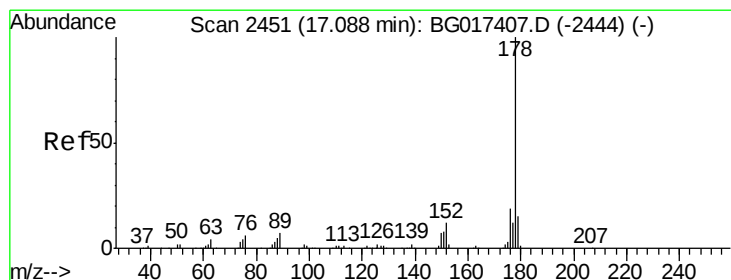
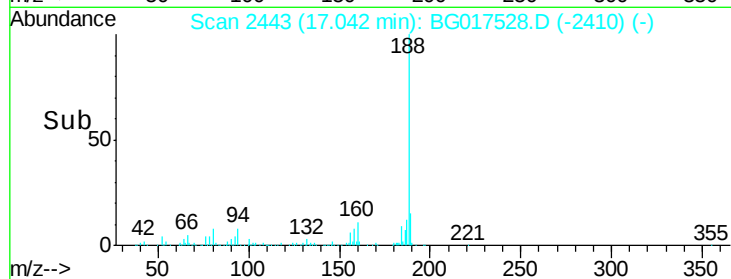
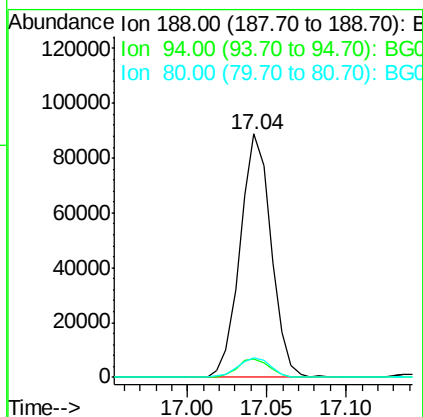
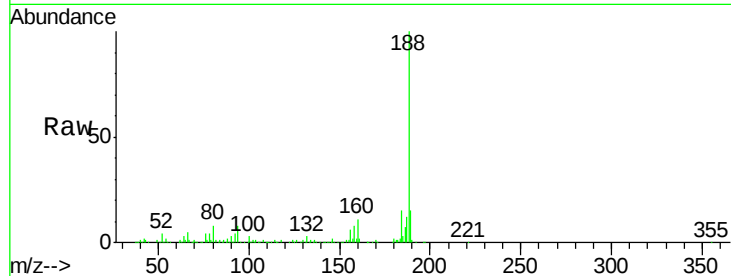




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

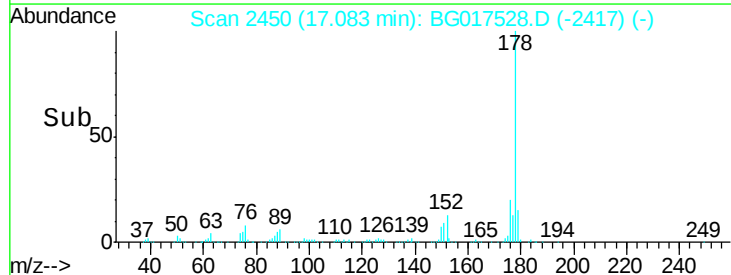
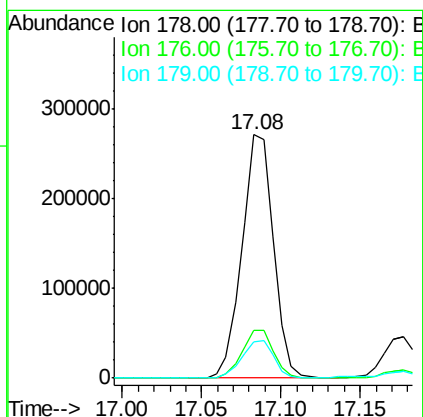
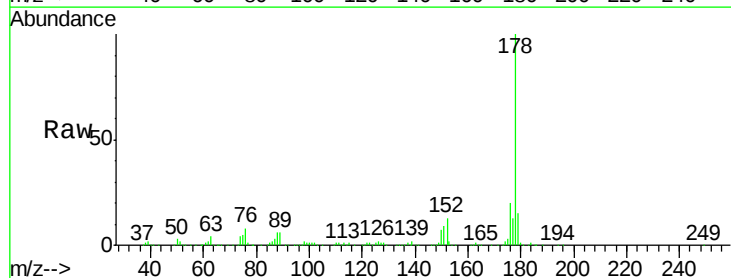
Instrument :
BNA_G
ClientSampleId :
SP-5

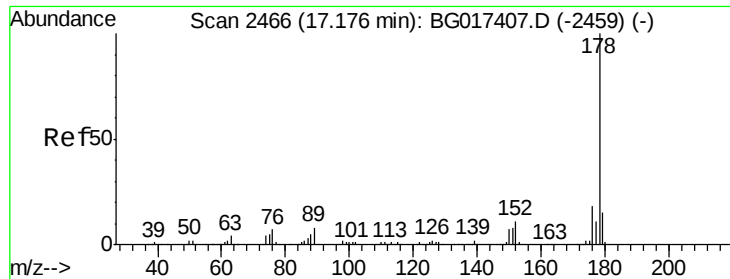
Tgt Ion:188 Resp: 120348
Ion Ratio Lower Upper
188 100
94 7.5 6.3 9.5
80 8.0 5.2 7.8#



#70
Phenanthrene
Concen: 55.79 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

Tgt Ion:178 Resp: 374348
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 14.9 12.2 18.2

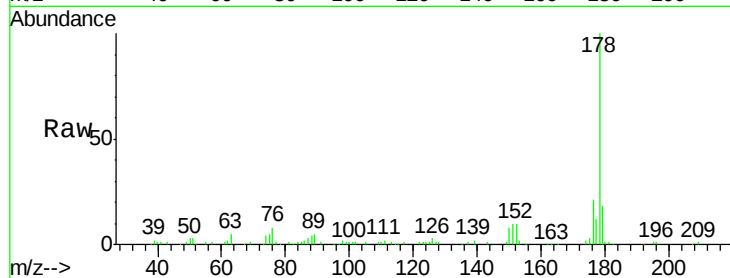




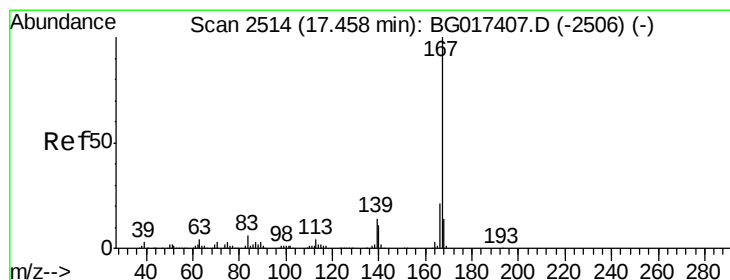
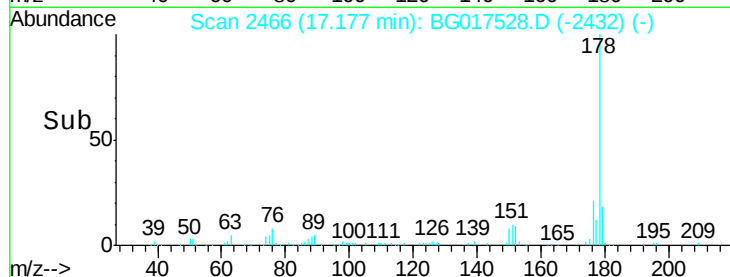
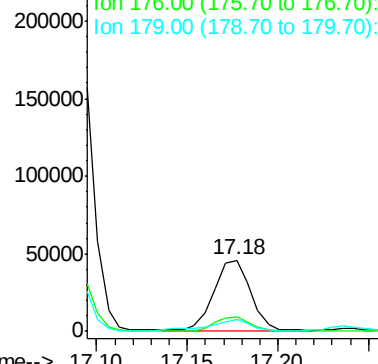
#71
 Anthracene
 Concen: 9.73 ng
 RT: 17.18 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

Instrument :
 BNA_G
 ClientSampleId :
 SP-5

Tgt Ion:178 Resp: 65248
 Ion Ratio Lower Upper
 178 100
 176 21.0 14.2 21.2
 179 17.6 12.2 18.4

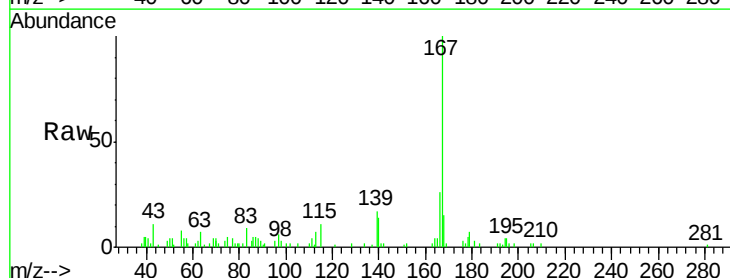


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

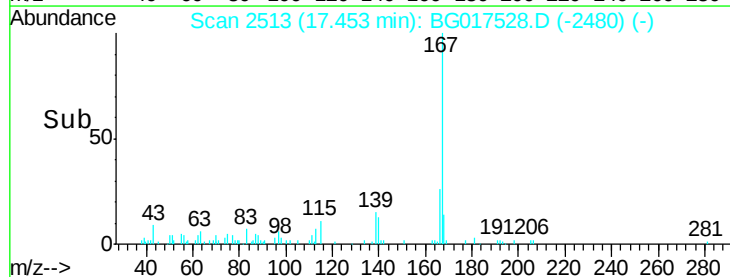
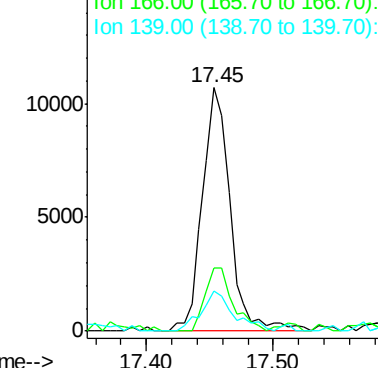


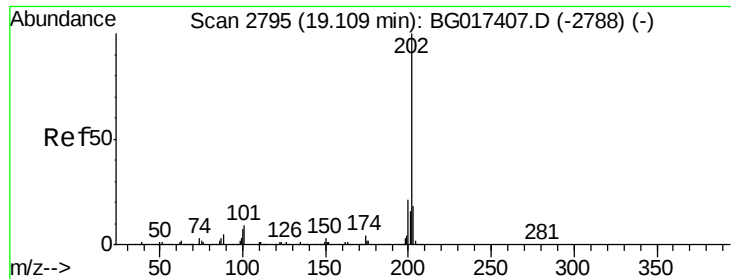
#72
 Carbazole
 Concen: 2.44 ng
 RT: 17.45 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

Tgt Ion:167 Resp: 16168
 Ion Ratio Lower Upper
 167 100
 166 25.7 17.0 25.4#
 139 16.7 11.3 16.9



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 95.30 ng

RT: 19.12 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

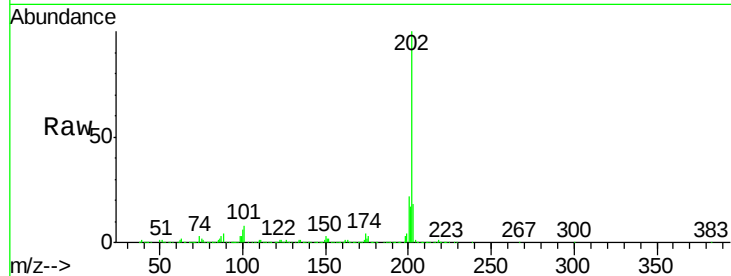
Tgt Ion:202 Resp: 836185

Ion Ratio Lower Upper

202 100

101 7.7 0.0 28.8

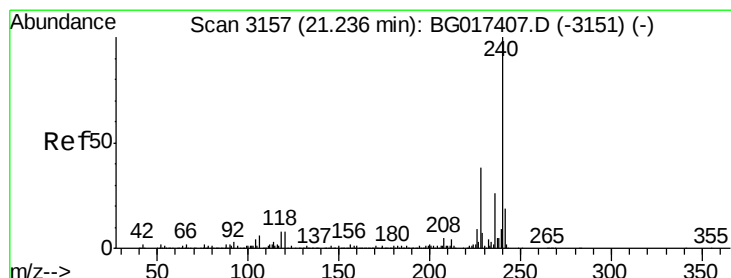
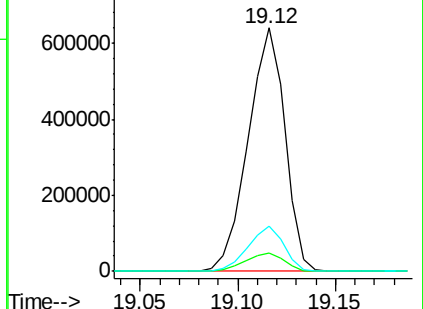
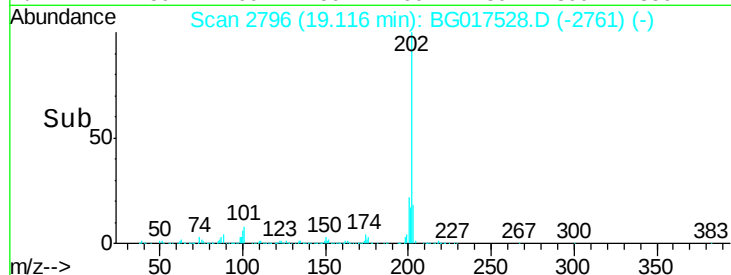
203 18.4 0.0 37.6



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: 21.24 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

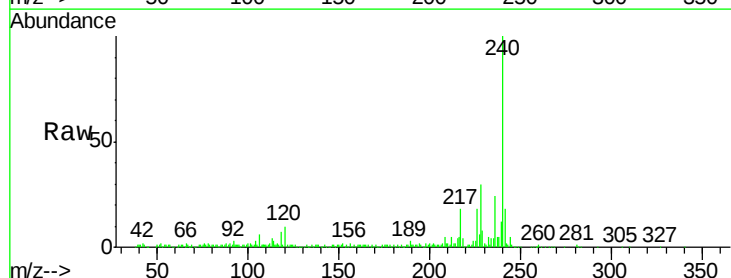
Tgt Ion:240 Resp: 145191

Ion Ratio Lower Upper

240 100

120 10.1 6.5 9.7#

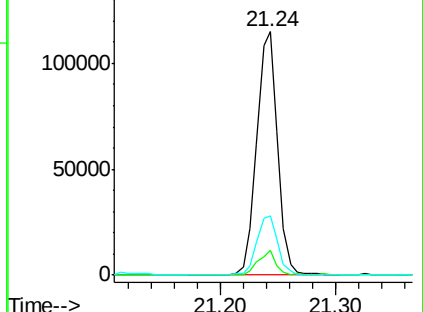
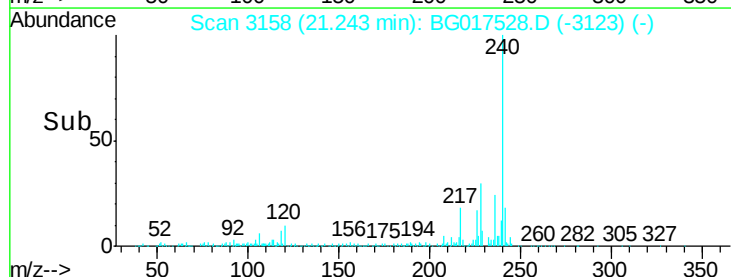
236 24.4 20.8 31.2

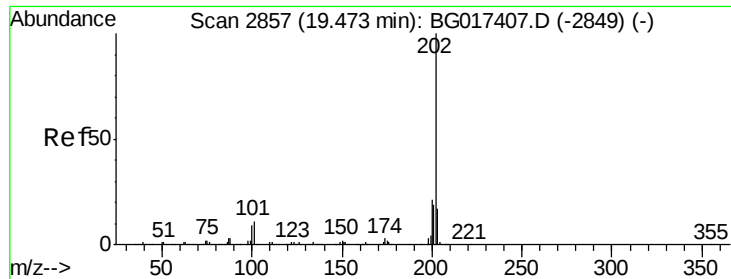


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

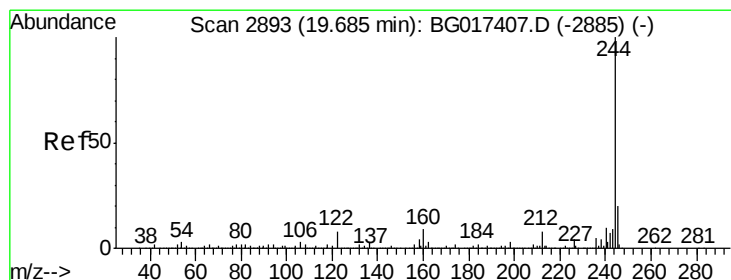
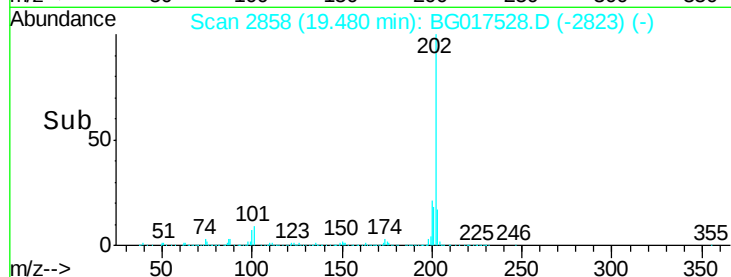
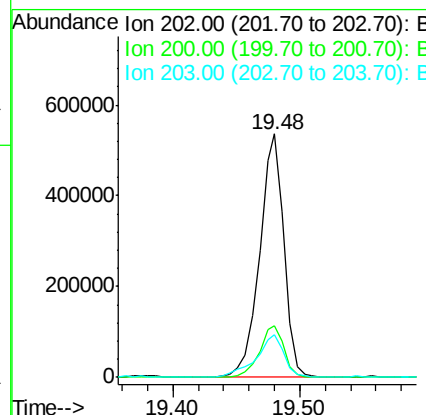
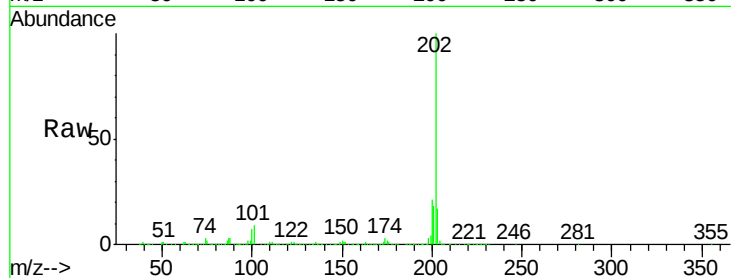




#77
 Pyrene
 Concen: 79.76 ng
 RT: 19.48 min Scan# 2858
 Delta R.T. 0.01 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

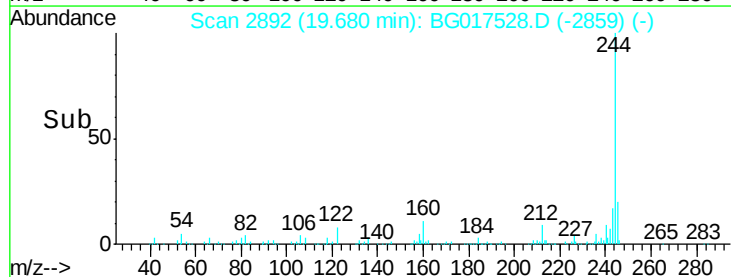
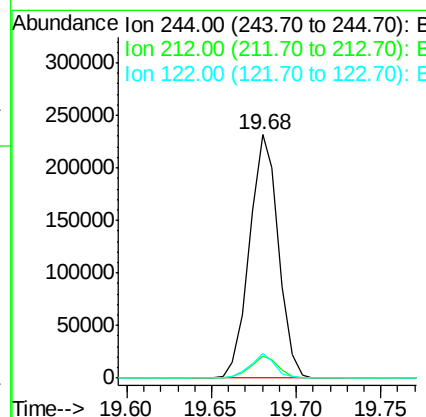
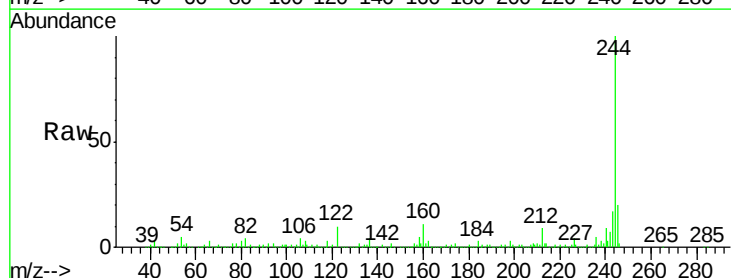
Instrument :
 BNA_G
 ClientSampleId :
 SP-5

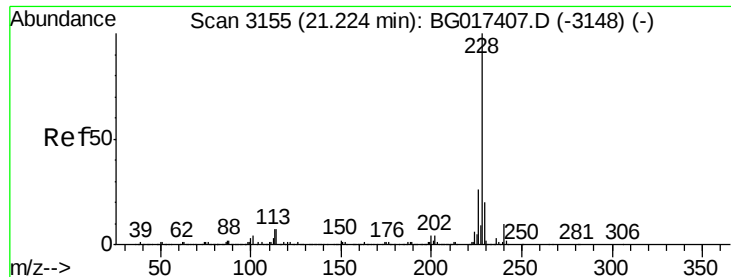
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.4	13.9	20.9



#78
 Terphenyl-d14
 Concen: 39.30 ng
 RT: 19.68 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: BG017528.D
 Acq: 7 Jun 2015 11:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.4	9.6
122	9.9	6.6	10.0





#80

Benzo(a)anthracene

Concen: 38.12 ng

RT: 21.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

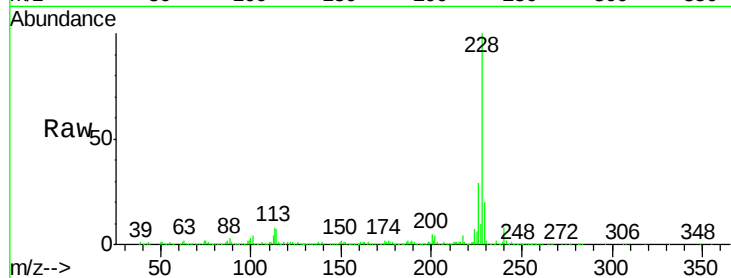
Tgt Ion:228 Resp: 340392

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.6

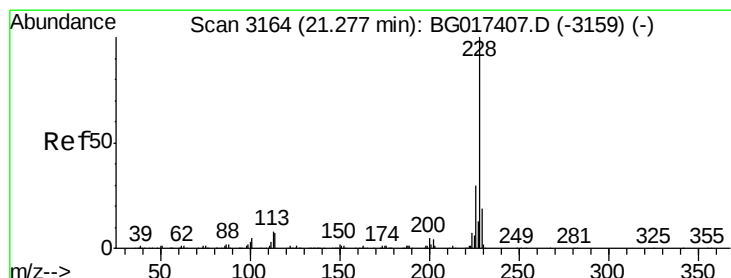
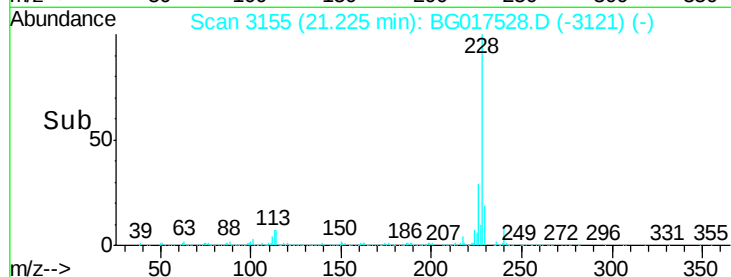
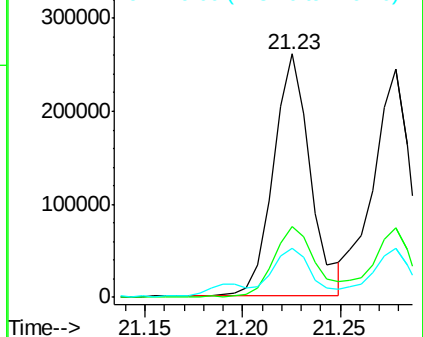
229 20.2 15.7 23.5



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: 39.97 ng

RT: 21.28 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

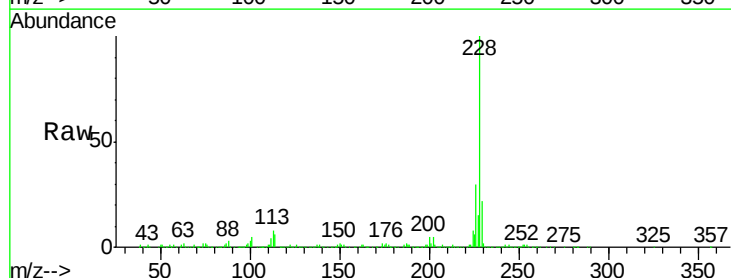
Tgt Ion:228 Resp: 323177

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

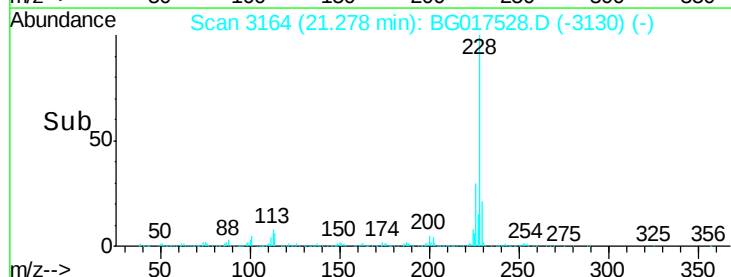
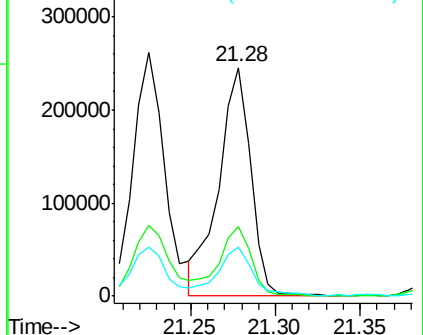
229 21.5 15.2 22.8

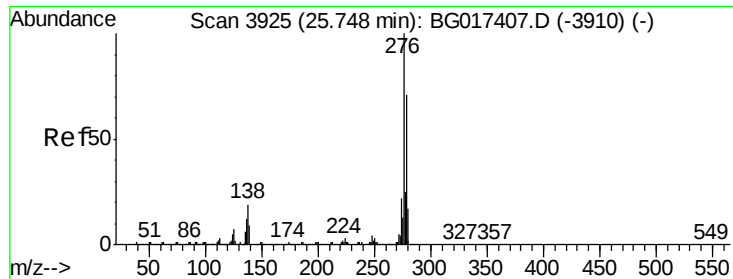


Abundance Ion 228.00 (227.70 to 228.70): E

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: 18.09 ng

RT: 25.76 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

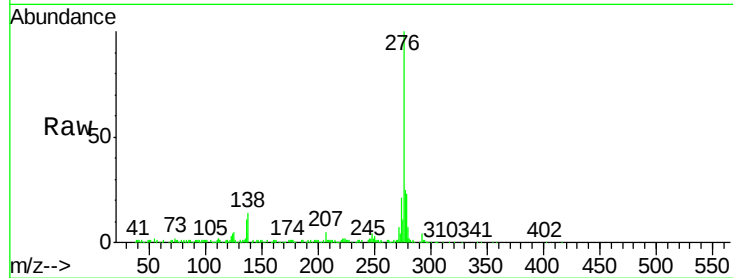
Tgt Ion:276 Resp: 183627

Ion Ratio Lower Upper

276 100

138 17.1 15.4 23.0

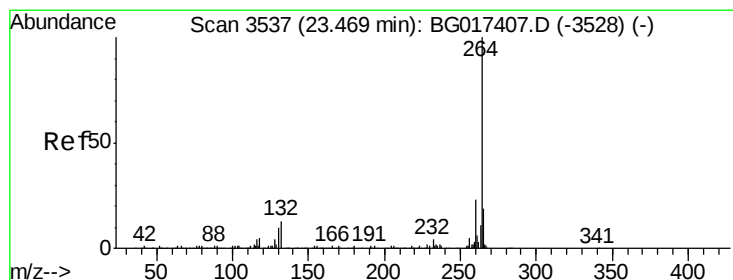
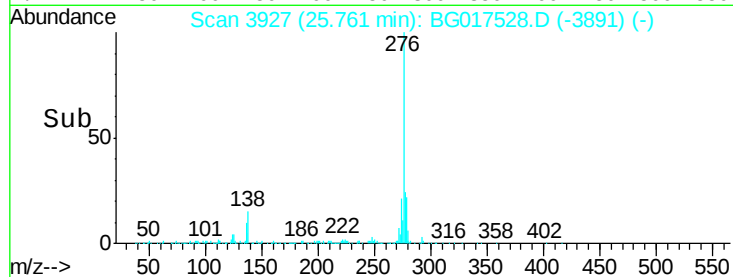
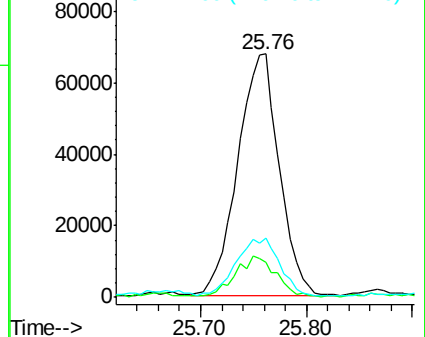
277 25.0 20.5 30.7



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: 23.48 min Scan# 3539

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

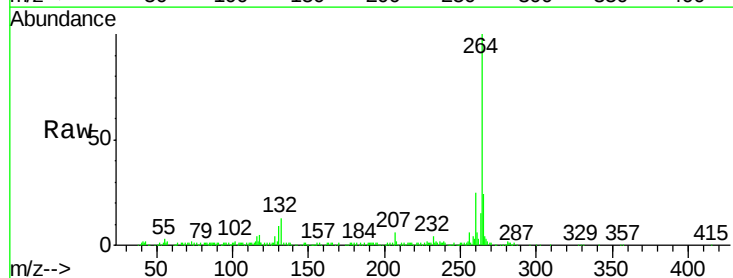
Tgt Ion:264 Resp: 139635

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

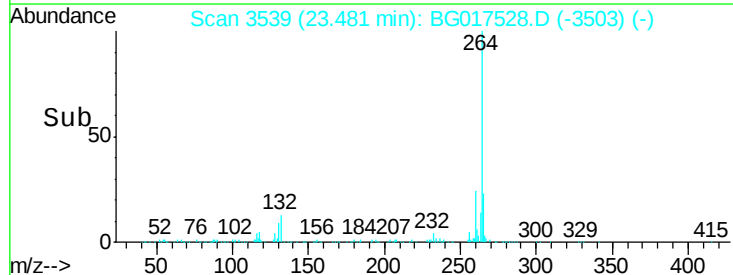
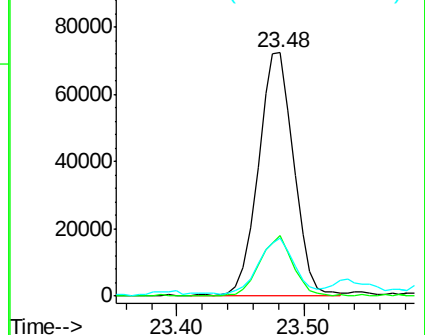
265 23.8 15.8 23.6#

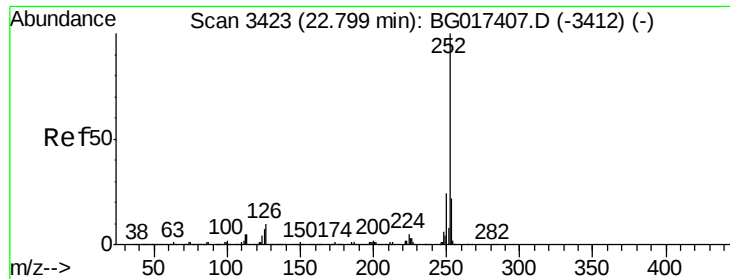


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

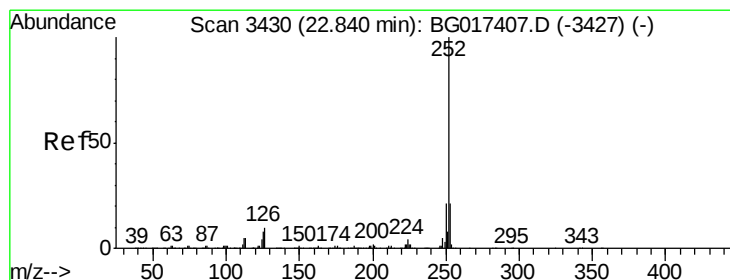
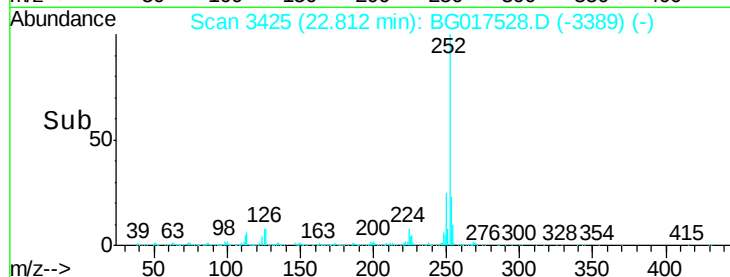
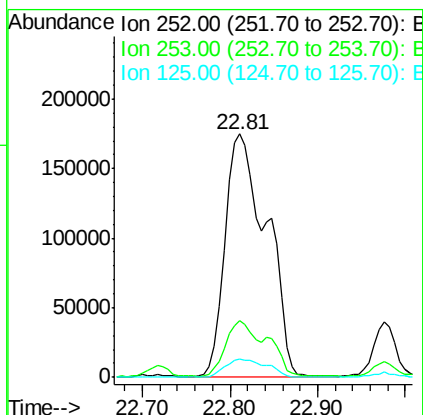
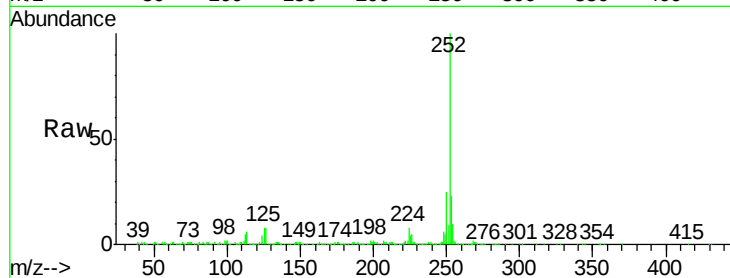




#87
Benzo(b)fluoranthene
Concen: 63.60 ng
RT: 22.81 min Scan# 3425
Delta R.T. 0.01 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

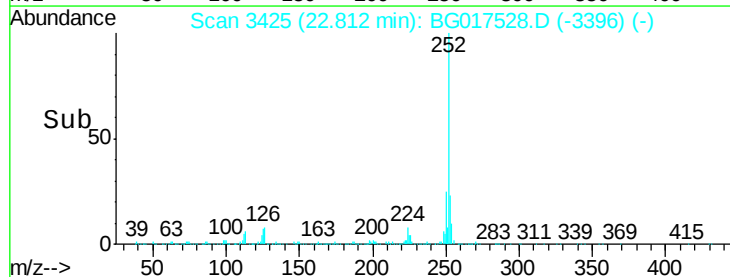
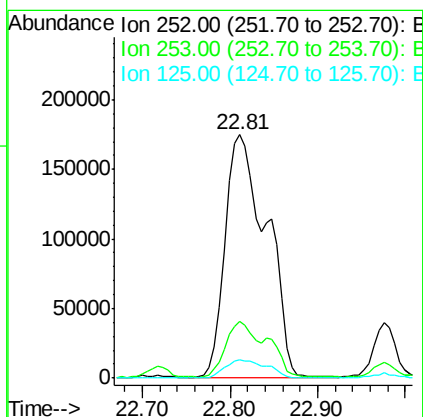
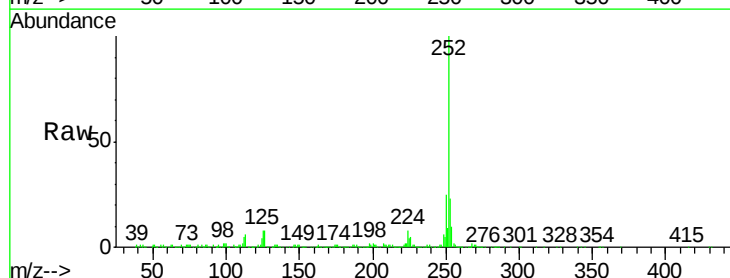
Instrument :
BNA_G
ClientSampleId :
SP-5

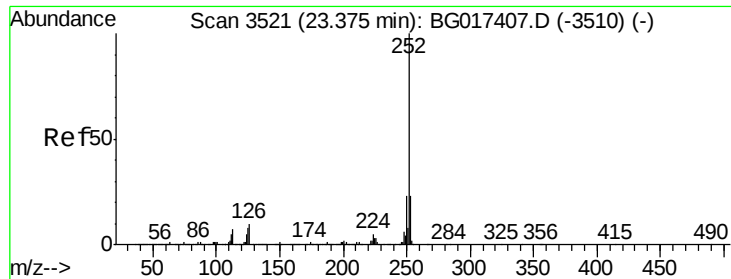
Tgt Ion:252 Resp: 562800
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 7.8 5.8 8.8



#88
Benzo(k)fluoranthene
Concen: 66.46 ng
RT: 22.81 min Scan# 3425
Delta R.T. -0.03 min
Lab File: BG017528.D
Acq: 7 Jun 2015 11:05

Tgt Ion:252 Resp: 562800
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.8 6.5 9.7





#89

Benzo(a)pyrene

Concen: 35.88 ng

RT: 23.38 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

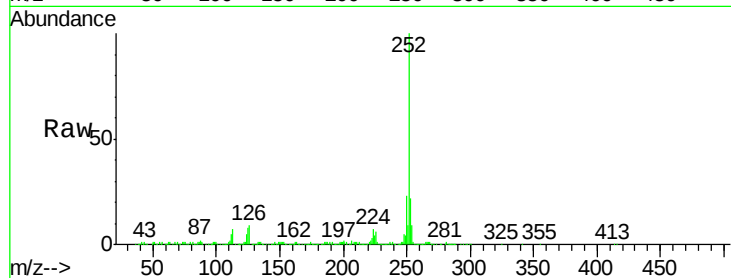
Tgt Ion:252 Resp: 291209

Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

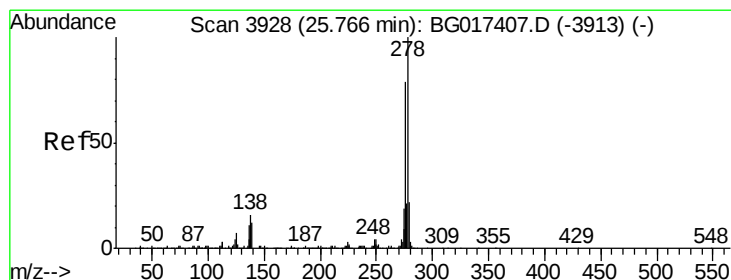
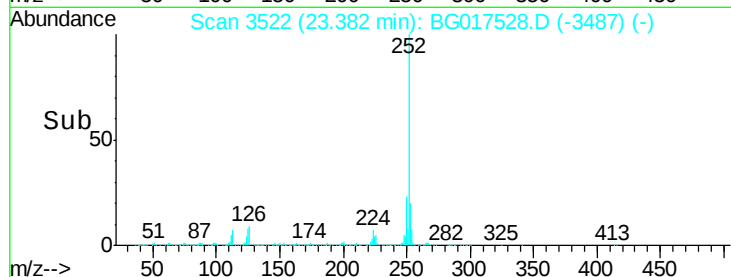
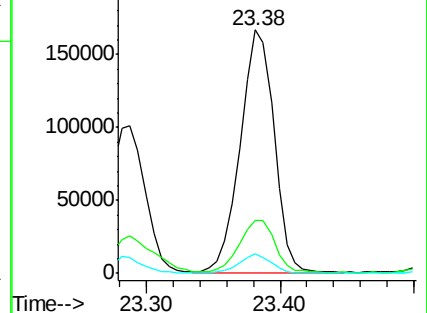
125 8.0 6.5 9.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 6.16 ng

RT: 25.76 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

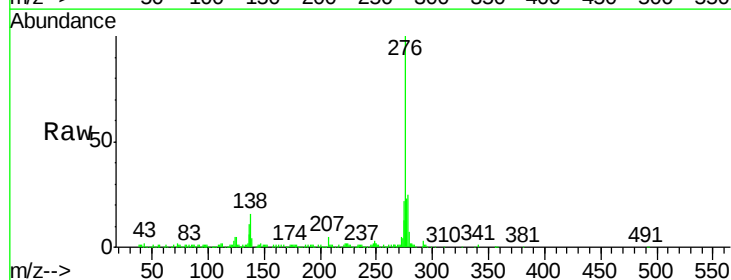
Tgt Ion:278 Resp: 51933

Ion Ratio Lower Upper

278 100

139 16.3 9.4 14.0#

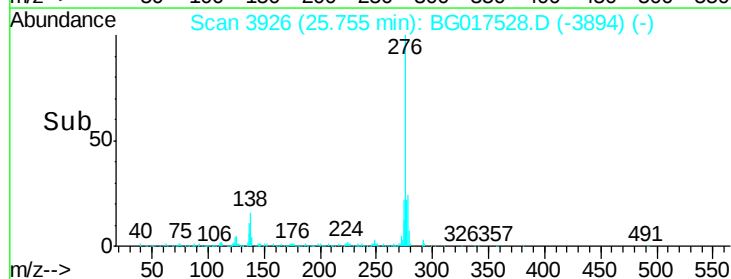
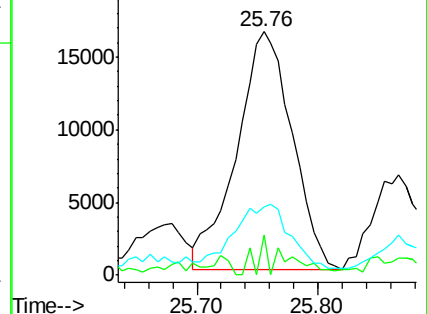
279 27.9 17.8 26.8#

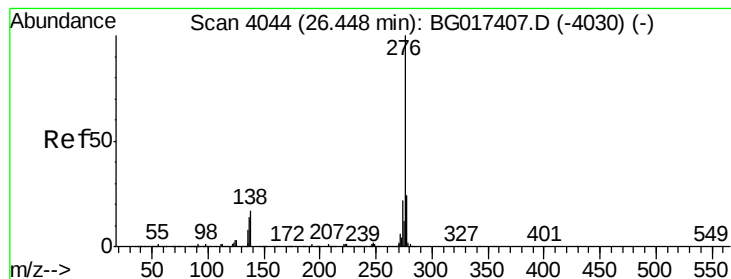


Abundance Ion 278.00 (277.70 to 278.70): E

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: 20.84 ng

RT: 26.46 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BG017528.D

Acq: 7 Jun 2015 11:05

Instrument :

BNA_G

ClientSampleId :

SP-5

Tgt Ion: 276 Resp: 167257

Ion Ratio Lower Upper

276 100

277 26.1 19.2 28.8

138 15.3 13.5 20.3

