

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060815\
 Data File : BG017566.D
 Acq On : 9 Jun 2015 8:57
 Operator : TP/IZ
 Sample : G2457-09DL 4X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5DL

Quant Time: Jun 09 11:10:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:39:50 2015
 Response via : Initial Calibration

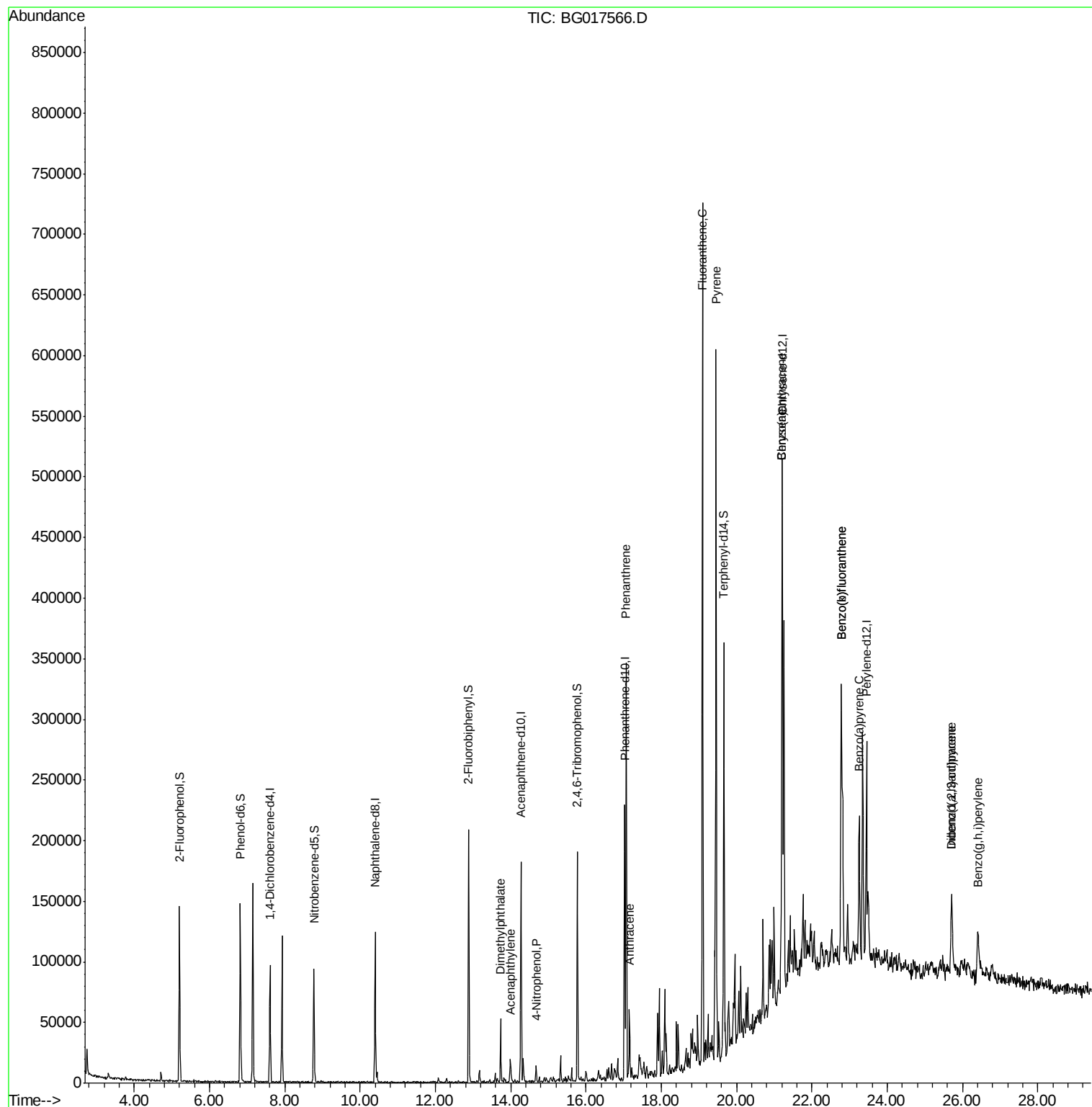
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	20681	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	89930	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	55480	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	112347	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	130003	20.00	ng	-0.02
86) Perylene-d12	23.45	264	130926	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	46766	39.84	ng	0.00
7) Phenol-d6	6.82	99	62205	38.90	ng	0.00
23) Nitrobenzene-d5	8.77	82	44496	24.70	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	25942	33.67	ng	-0.01
44) 2-Fluorobiphenyl	12.88	172	92061	25.03	ng	-0.02
78) Terphenyl-d14	19.66	244	122665	19.50	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	13.99	152	14151	2.37	ng	97
49) Dimethylphthalate	13.73	163	28052	5.81	ng	# 96
55) 4-Nitrophenol	14.68	139	2758	3.71	ng	# 1
70) Phenanthrene	17.07	178	173922	27.77	ng	98
71) Anthracene	17.16	178	31264	5.00	ng	98
74) Fluoranthene	19.09	202	381040	46.52	ng	98
77) Pyrene	19.46	202	319457	39.89	ng	98
80) Benzo(a)anthracene	21.20	228	159997	20.01	ng	99
82) Chrysene	21.20	228	159997	22.10	ng	97
85) Indeno(1,2,3-cd)pyrene	25.71	276	64316	7.07	ng	# 95
87) Benzo(b)fluoranthene	22.78	252	199170	24.01	ng	98
88) Benzo(k)fluoranthene	22.78	252	199170	25.09	ng	98
89) Benzo(a)pyrene	23.25	252	83484	10.97	ng	97
90) Dibenzo(a,h)anthracene	25.71	278	18717	2.37	ng	# 84
91) Benzo(g,h,i)perylene	26.41	276	57005	7.58	ng	# 91

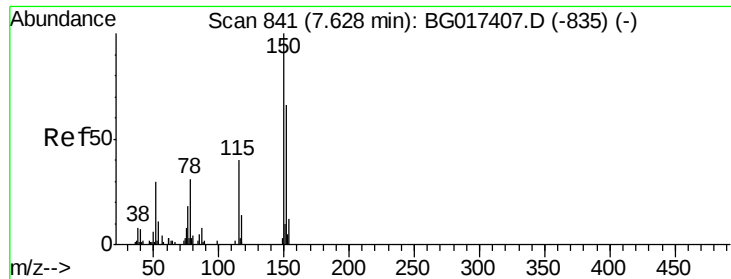
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 9 Jun 2015 8:57
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Sample : G2457-09DL 4X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Quant Time: Jun 09 11:10:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration



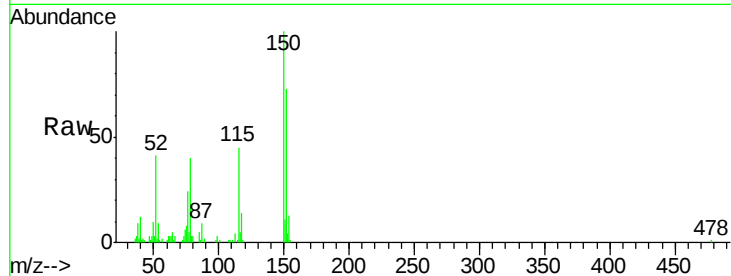


#1

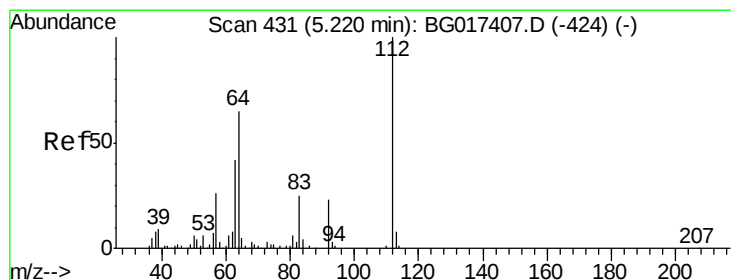
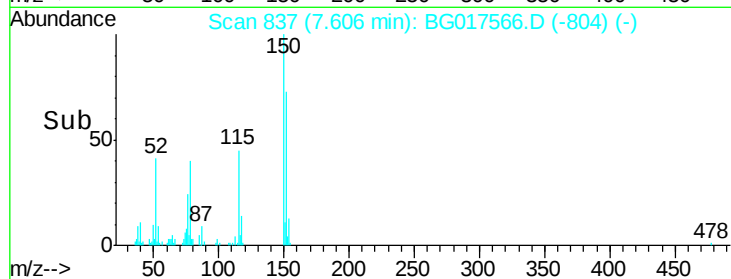
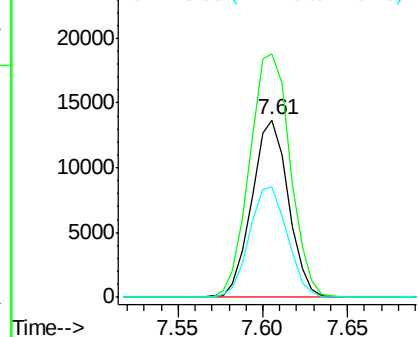
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.61 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Instrument :
 BNA_G
 ClientSampleId :
 SP-5DL

Tgt Ion:152 Resp: 20681
 Ion Ratio Lower Upper
 152 100
 150 137.5 121.7 182.5
 115 62.4 48.6 73.0



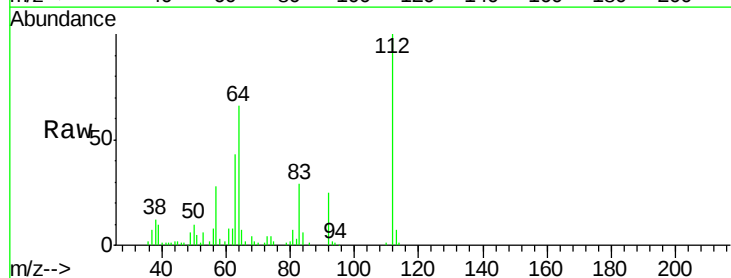
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



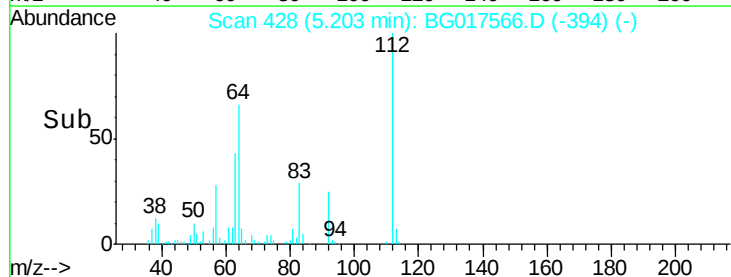
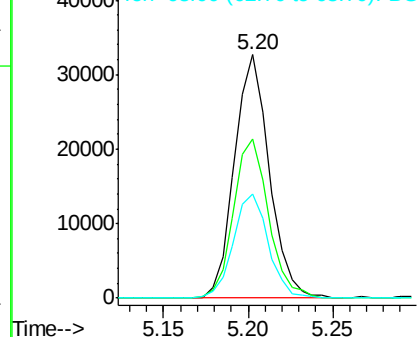
#5

2-Fluorophenol
 Concen: 39.84 ng
 RT: 5.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Tgt Ion:112 Resp: 46766
 Ion Ratio Lower Upper
 112 100
 64 65.6 51.6 77.4
 63 42.9 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: 38.90 ng

RT: 6.82 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

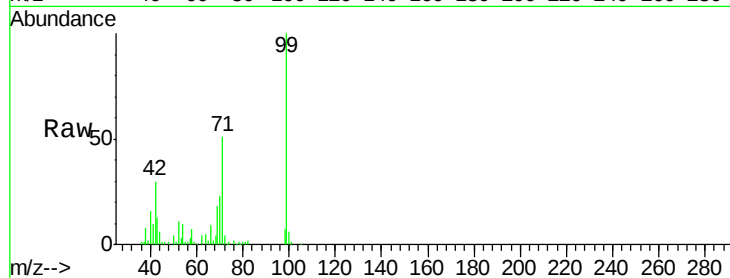
Tgt Ion: 99 Resp: 62205

Ion Ratio Lower Upper

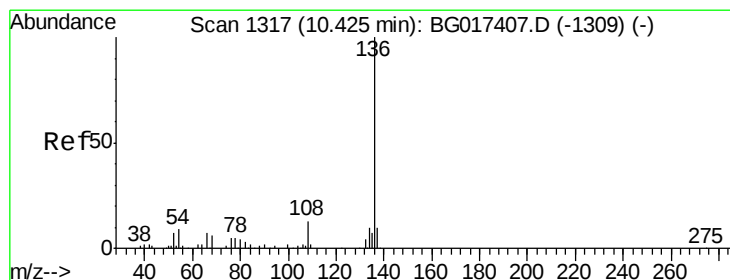
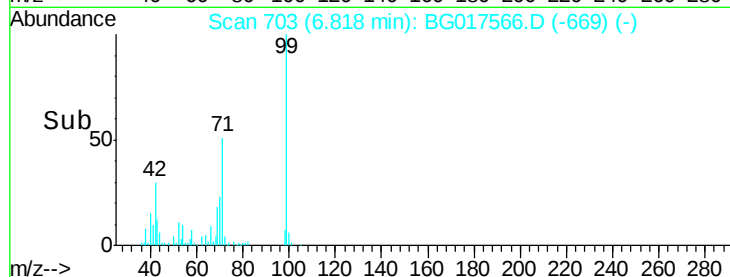
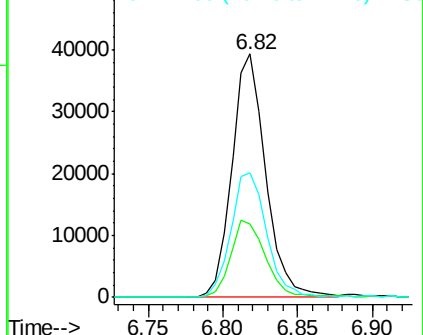
99 100

42 30.3 21.0 31.6

71 51.0 37.2 55.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.40 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt Ion: 136 Resp: 89930

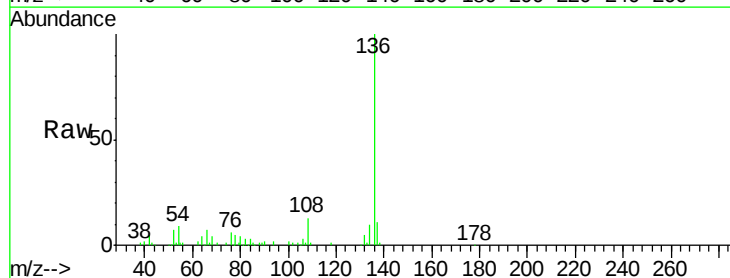
Ion Ratio Lower Upper

136 100

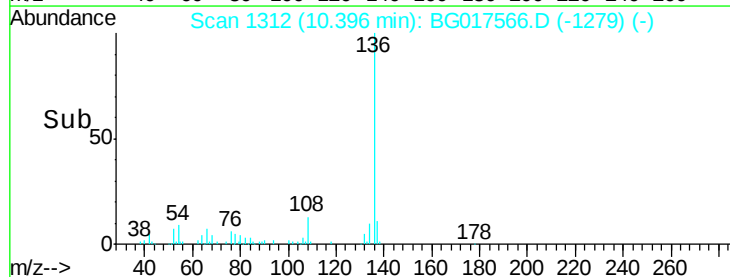
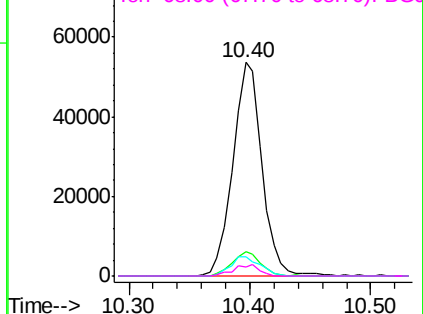
137 11.4 7.9 11.9

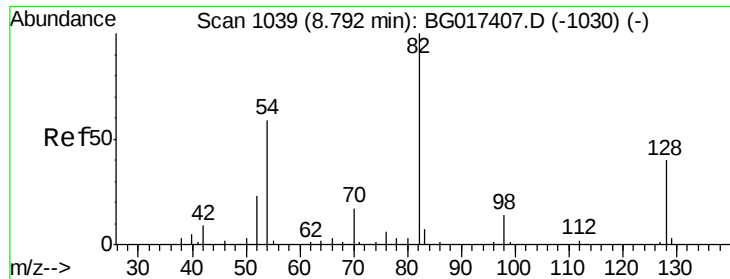
54 8.9 7.2 10.8

68 4.4 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

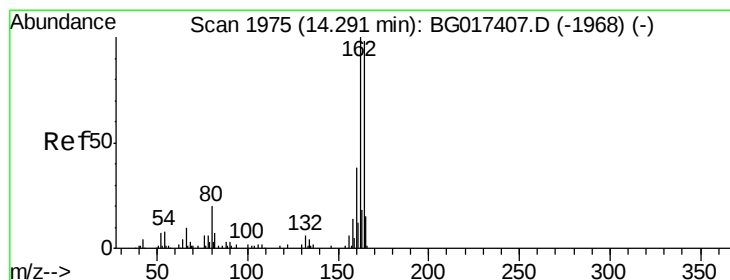
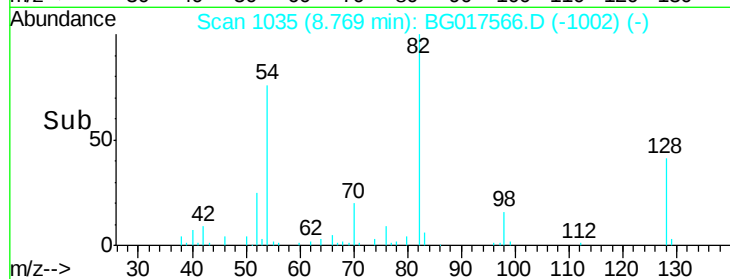
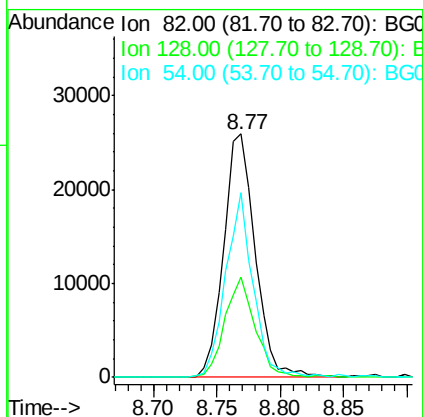
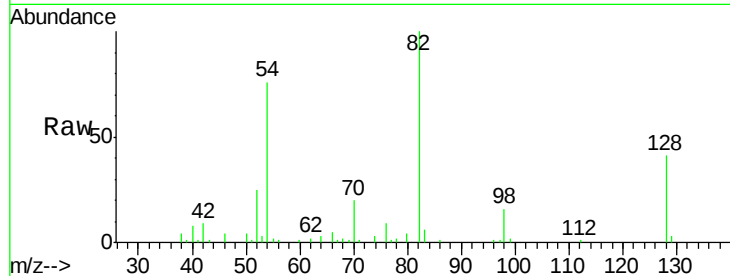




#23
Nitrobenzene-d5
Concen: 24.70 ng
RT: 8.77 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

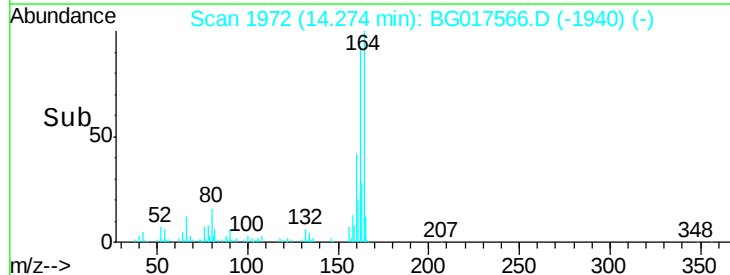
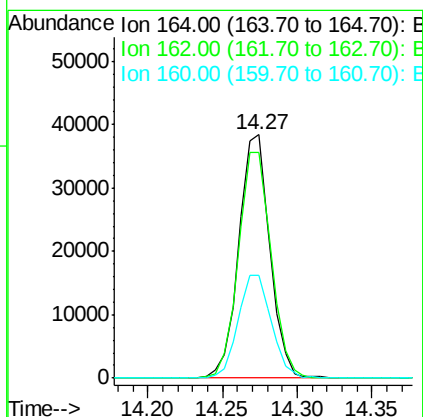
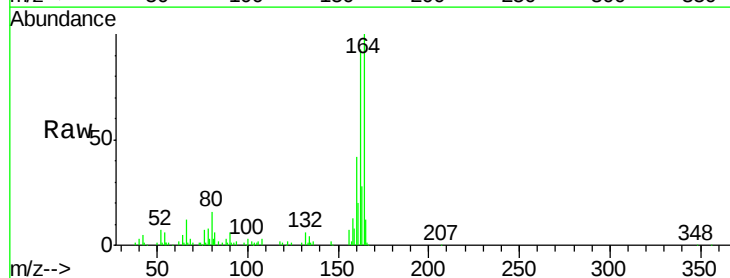
Instrument :
BNA_G
ClientSampleId :
SP-5DL

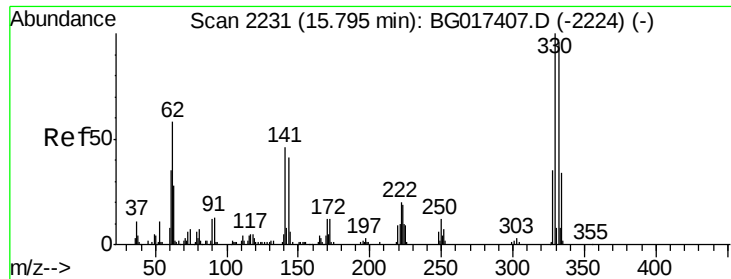
Tgt Ion: 82 Resp: 44496
Ion Ratio Lower Upper
82 100
128 41.3 32.2 48.4
54 76.0 47.4 71.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion: 164 Resp: 55480
Ion Ratio Lower Upper
164 100
162 92.8 81.8 122.6
160 42.2 31.0 46.4

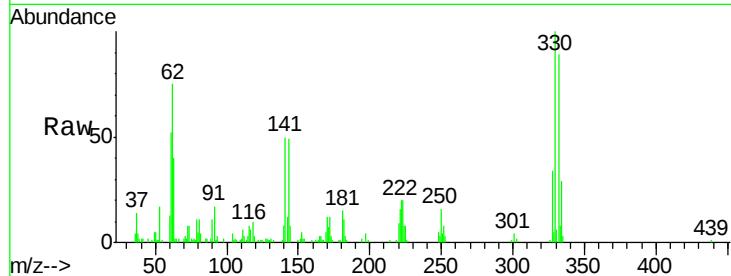




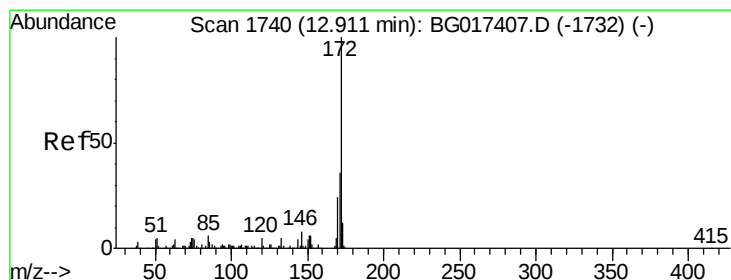
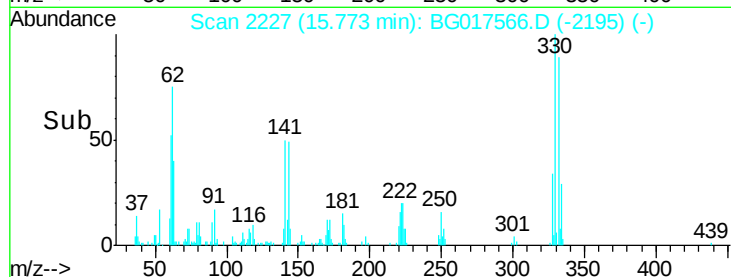
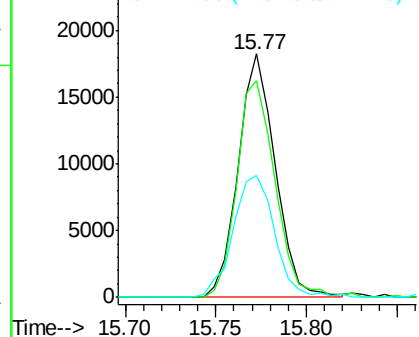
#41
 2,4,6-Tribromophenol
 Concen: 33.67 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Instrument :
 BNA_G
 ClientSampled :
 SP-5DL

Tgt Ion:330 Resp: 25942
 Ion Ratio Lower Upper
 330 100
 332 92.3 75.9 113.9
 141 56.3 40.2 60.4

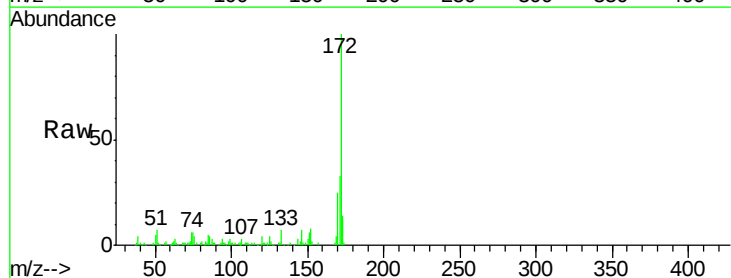


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

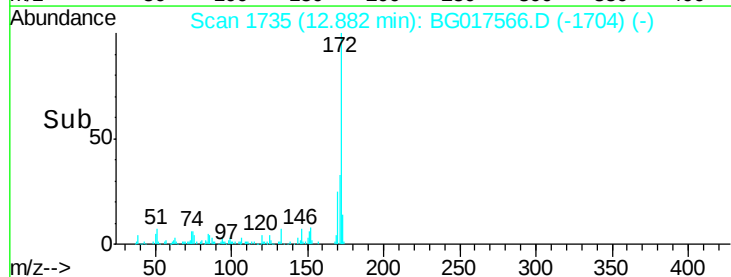
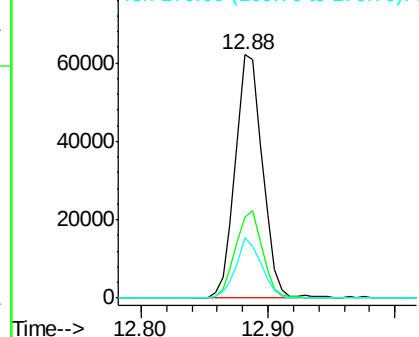


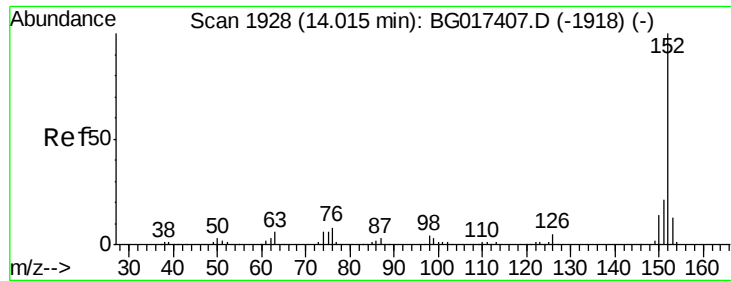
#44
 2-Fluorobiphenyl
 Concen: 25.03 ng
 RT: 12.88 min Scan# 1735
 Delta R.T. -0.02 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Tgt Ion:172 Resp: 92061
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.0 43.6
 170 24.7 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: 2.37 ng

RT: 13.99 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

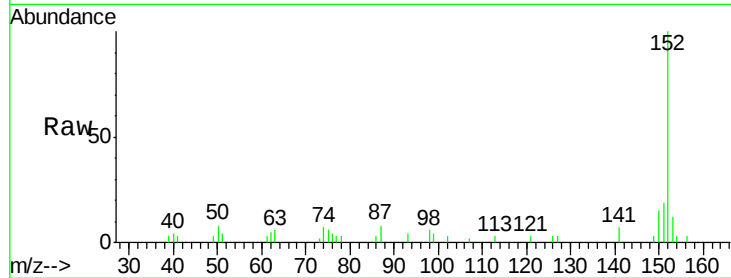
Tgt Ion:152 Resp: 14151

Ion Ratio Lower Upper

152 100

151 19.4 16.5 24.7

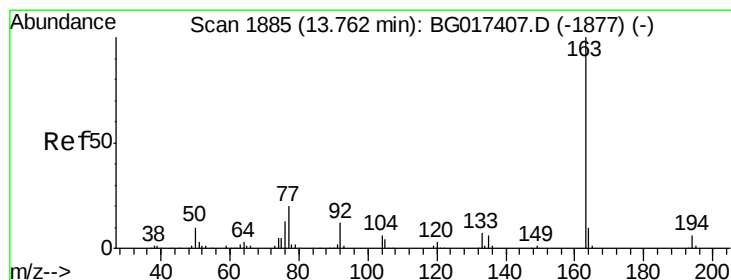
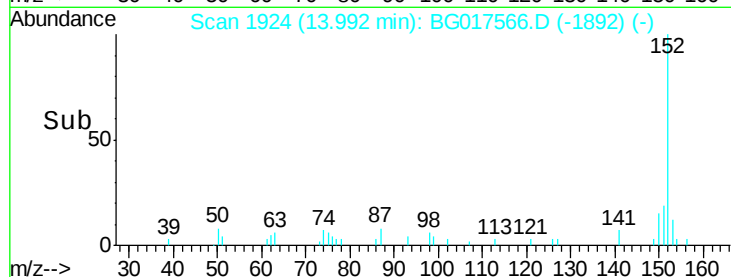
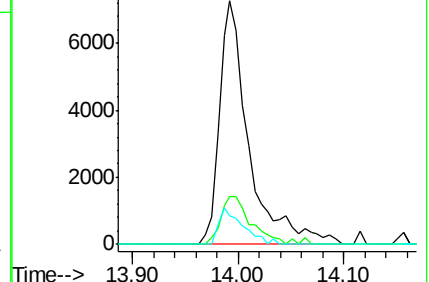
153 11.7 10.7 16.1



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: 5.81 ng

RT: 13.73 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

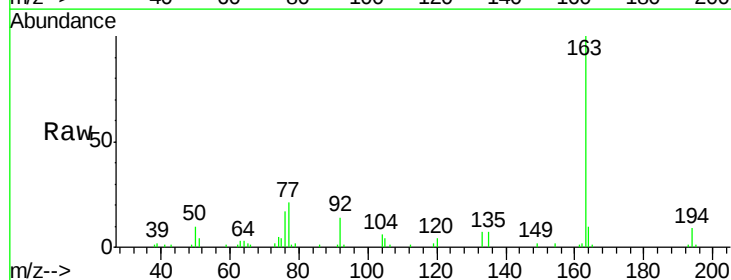
Tgt Ion:163 Resp: 28052

Ion Ratio Lower Upper

163 100

194 9.2 4.9 7.3#

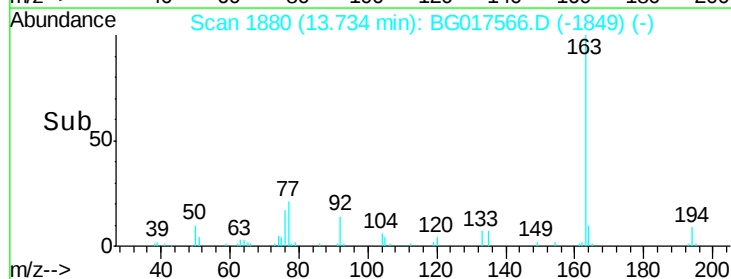
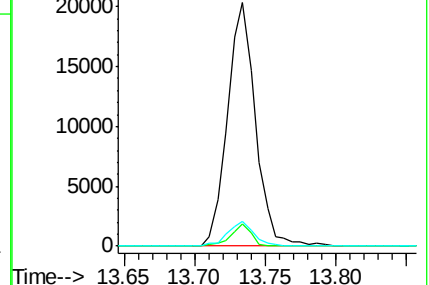
164 10.1 8.2 12.2

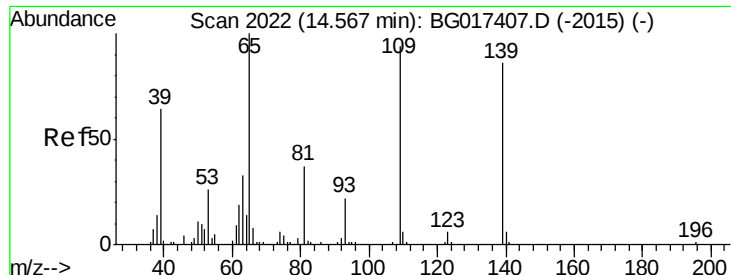


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

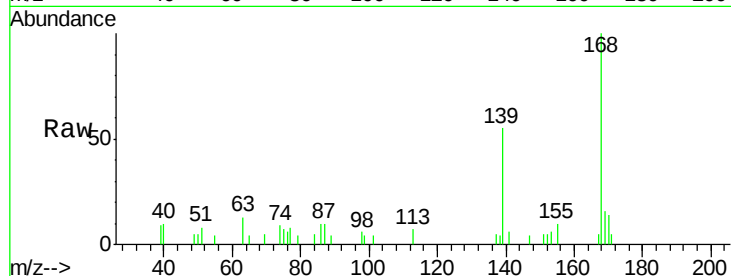




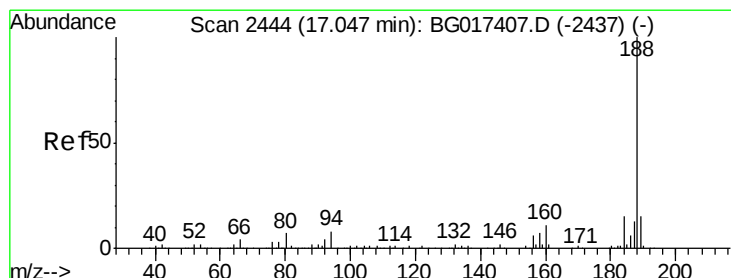
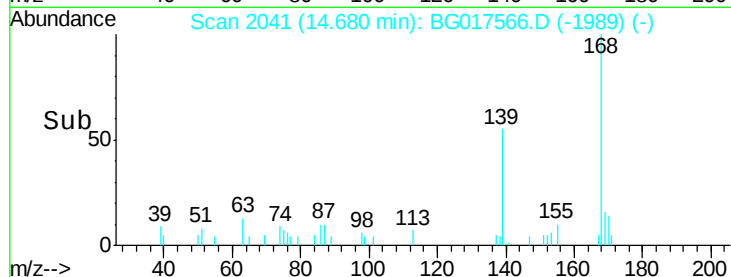
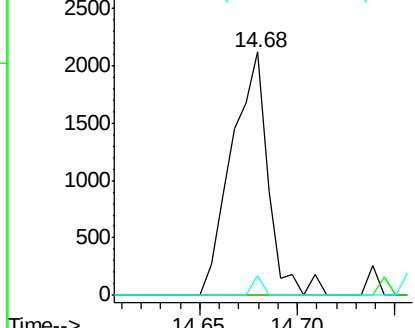
#55
4-Nitrophenol
Concen: 3.71 ng
RT: 14.68 min Scan# 2041
Delta R.T. 0.11 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion:139 Resp: 2758
Ion Ratio Lower Upper
139 100
109 0.0 89.5 129.5#
65 8.0 95.9 135.9#

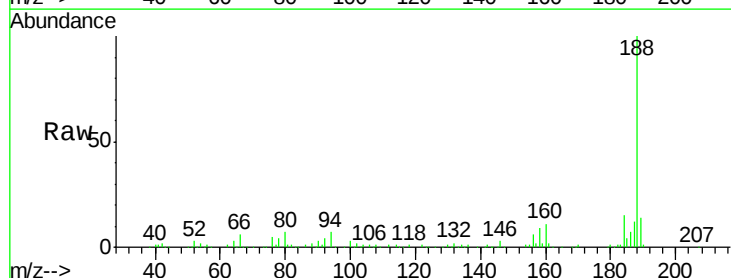


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

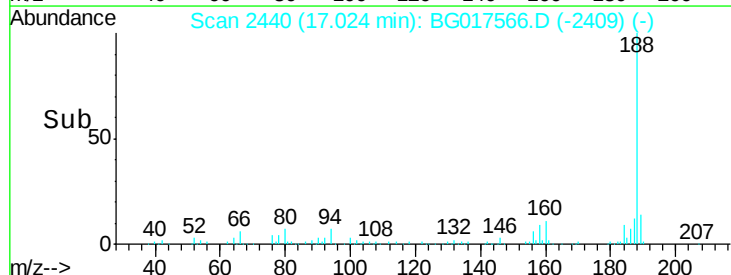
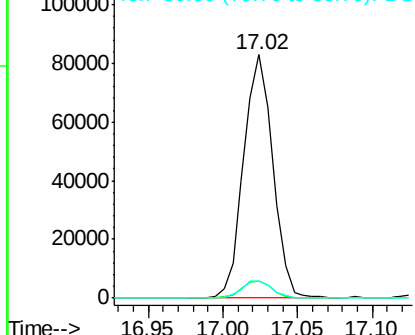


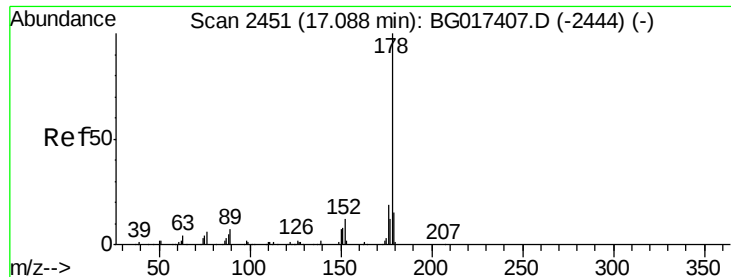
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:188 Resp: 112347
Ion Ratio Lower Upper
188 100
94 6.8 6.3 9.5
80 7.1 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





#70

Phenanthrene

Concen: 27.77 ng

RT: 17.07 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

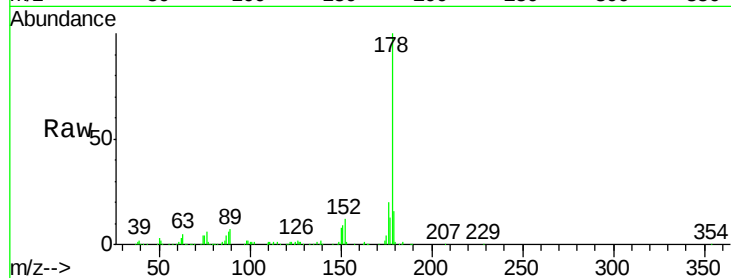
Tgt Ion:178 Resp: 173922

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

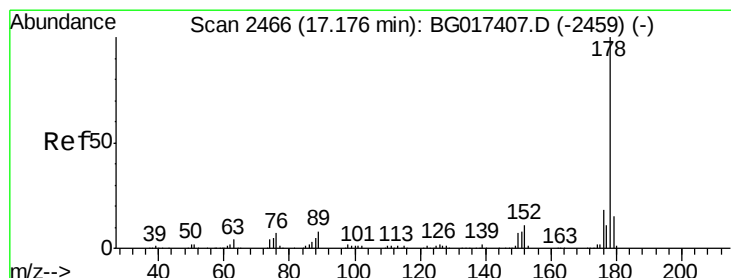
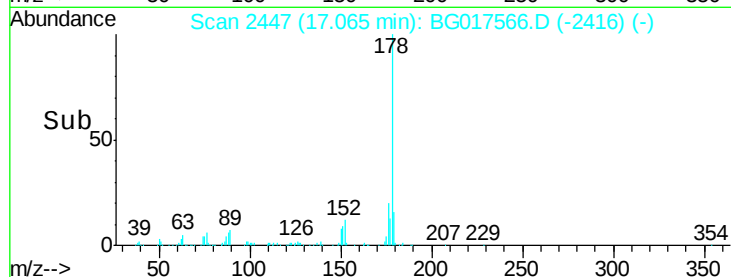
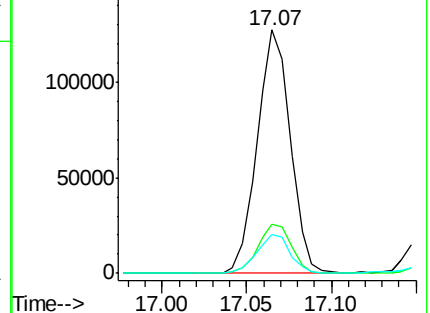
179 16.1 12.2 18.2



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



#71

Anthracene

Concen: 5.00 ng

RT: 17.16 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

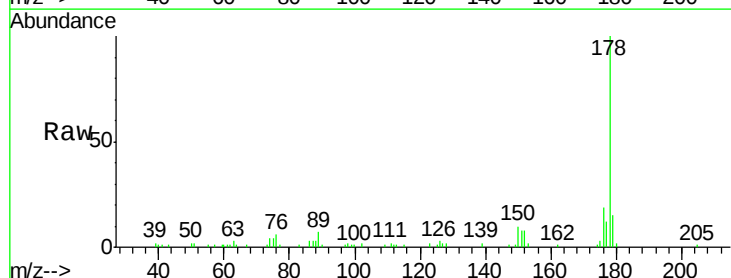
Tgt Ion:178 Resp: 31264

Ion Ratio Lower Upper

178 100

176 19.0 14.2 21.2

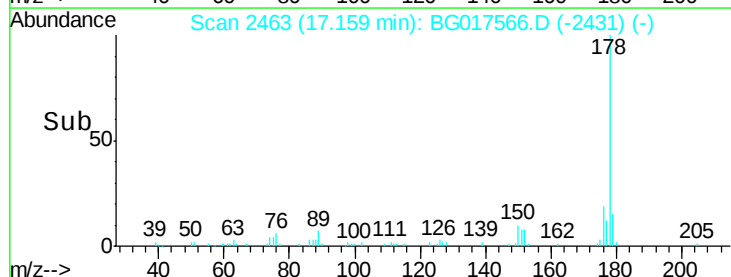
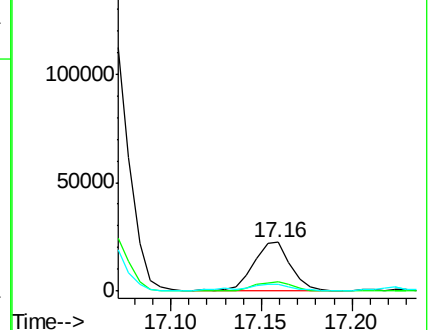
179 14.7 12.2 18.4

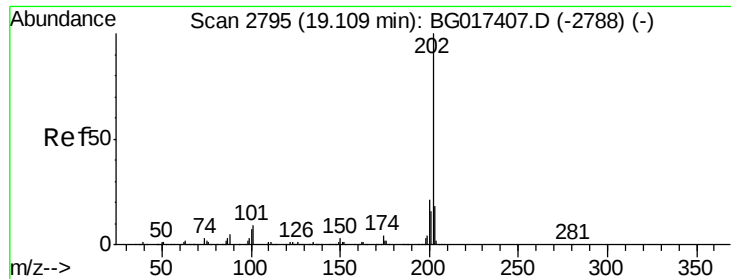


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 46.52 ng

RT: 19.09 min Scan# 2792

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

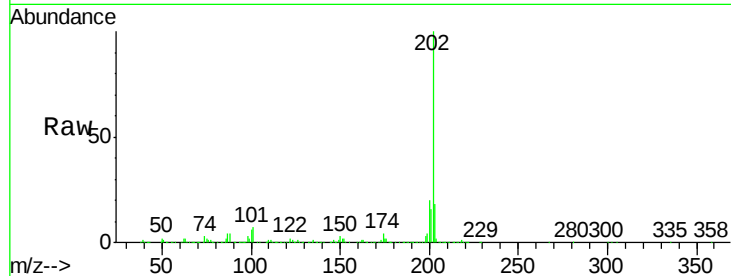
Tgt Ion:202 Resp: 381040

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.8

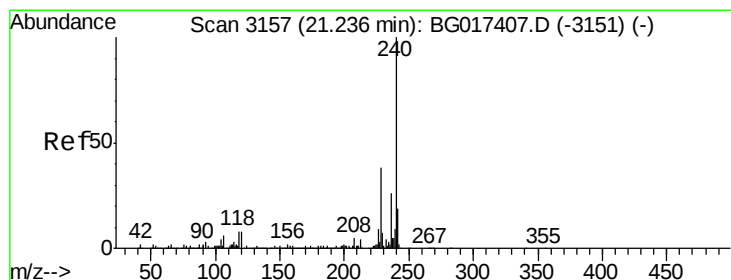
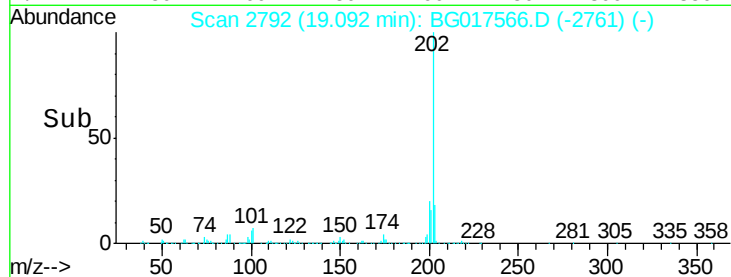
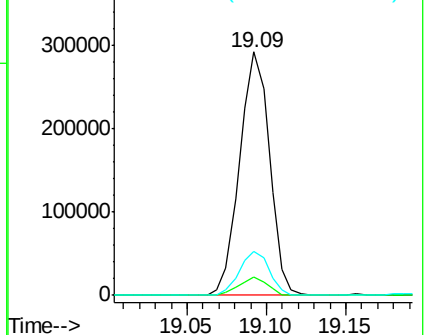
203 18.1 0.0 37.6



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: BG017566.D

Acq: 9 Jun 2015 8:57

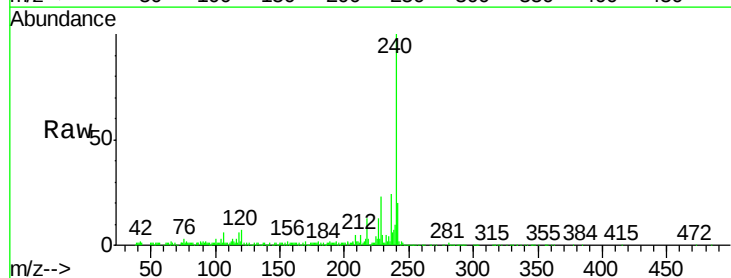
Tgt Ion:240 Resp: 130003

Ion Ratio Lower Upper

240 100

120 7.0 6.5 9.7

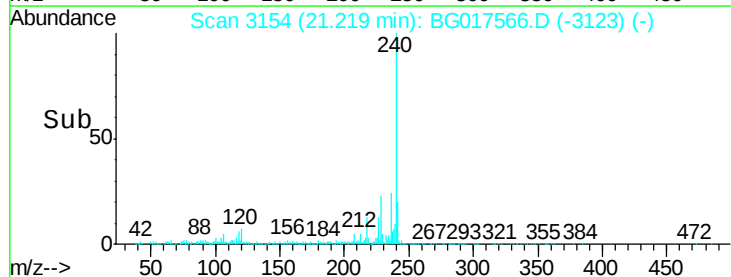
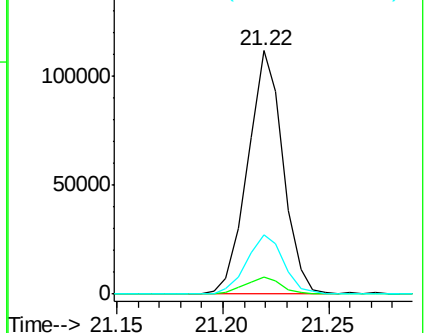
236 24.3 20.8 31.2

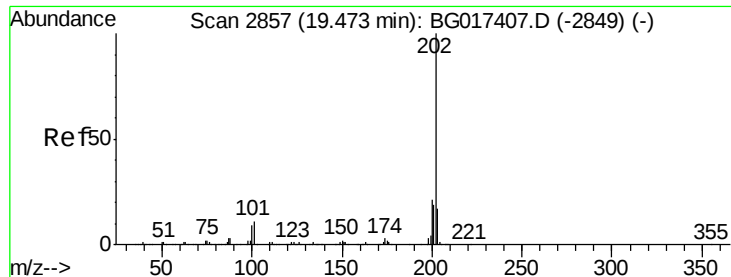


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 39.89 ng

RT: 19.46 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

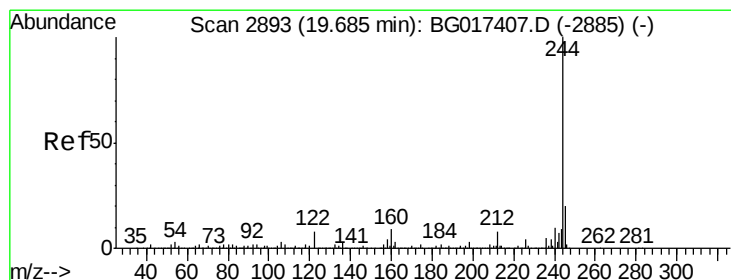
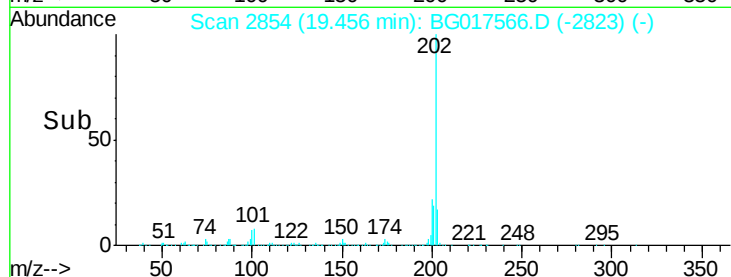
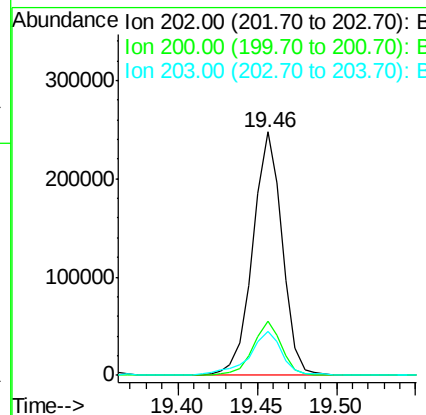
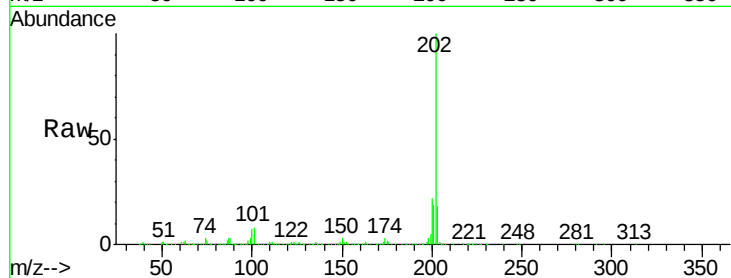
Instrument :

BNA_G

ClientSampleId :

SP-5DL

Tgt Ion:	202	Resp:	319457
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.0	25.4
203	17.9	13.9	20.9



#78

Terphenyl-d14

Concen: 19.50 ng

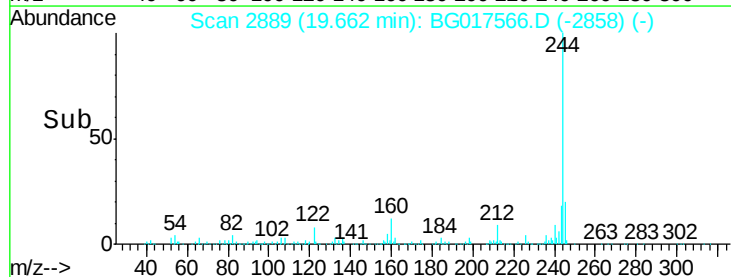
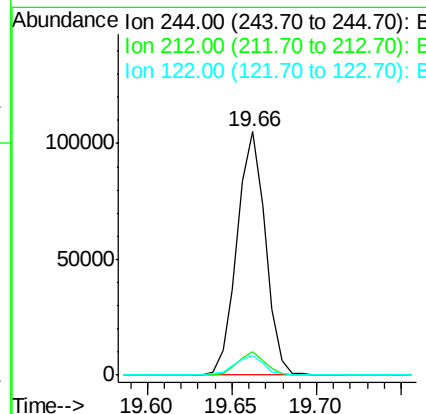
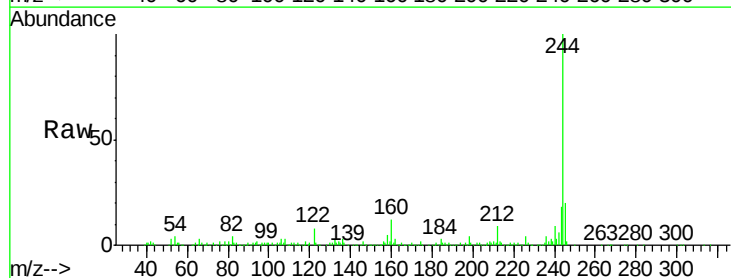
RT: 19.66 min Scan# 2889

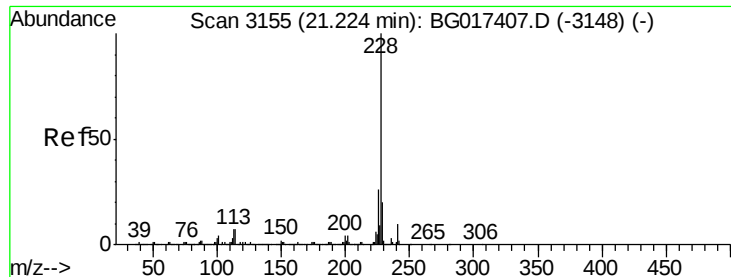
Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt Ion:	244	Resp:	122665
Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.4	9.6
122	8.2	6.6	10.0





#80

Benzo(a)anthracene

Concen: 20.01 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

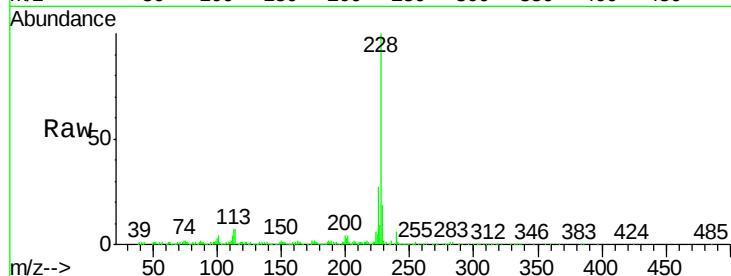
Tgt Ion:228 Resp: 159997

Ion Ratio Lower Upper

228 100

226 27.3 21.0 31.6

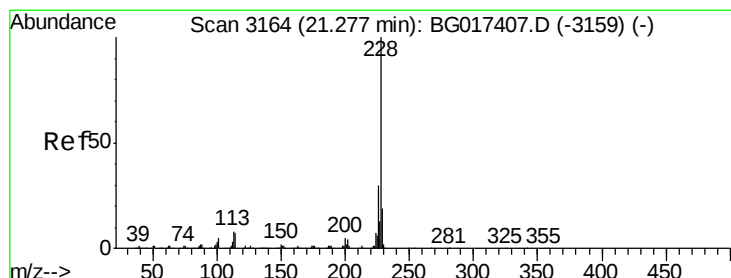
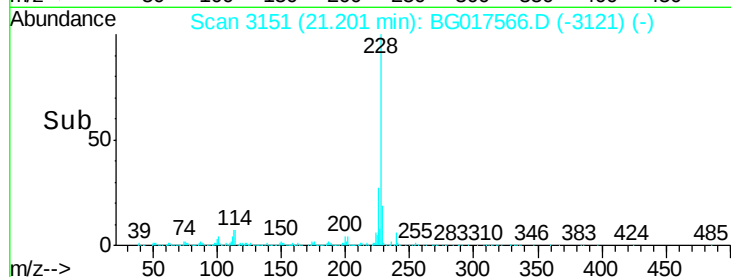
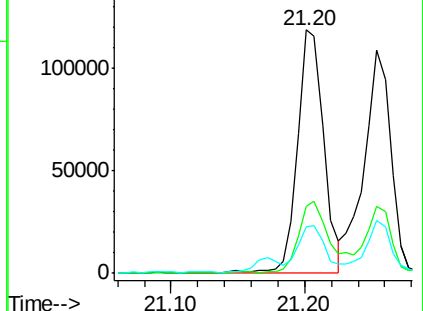
229 19.3 15.7 23.5



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: 22.10 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.08 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

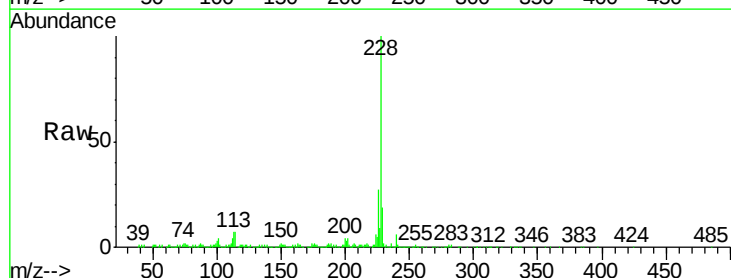
Tgt Ion:228 Resp: 159997

Ion Ratio Lower Upper

228 100

226 27.3 23.7 35.5

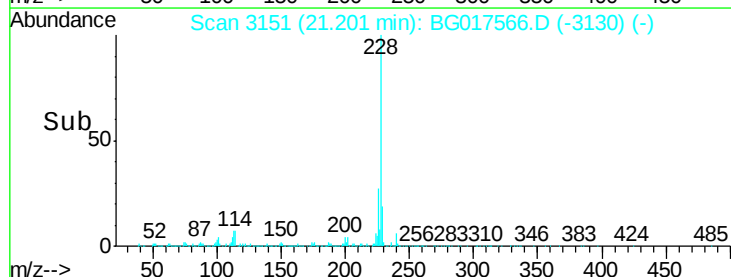
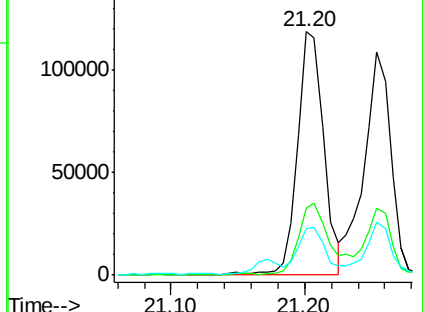
229 19.3 15.2 22.8

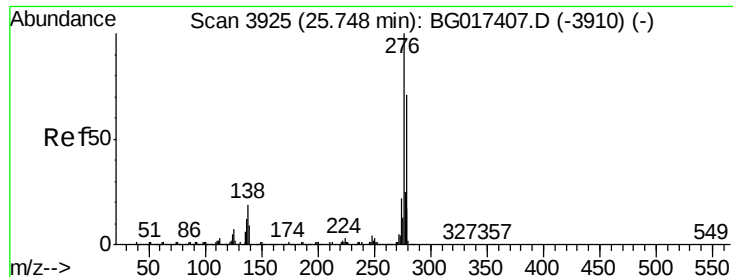


Abundance Ion 228.00 (227.70 to 228.70): E

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: 7.07 ng

RT: 25.71 min Scan# 3919

Delta R.T. -0.05 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

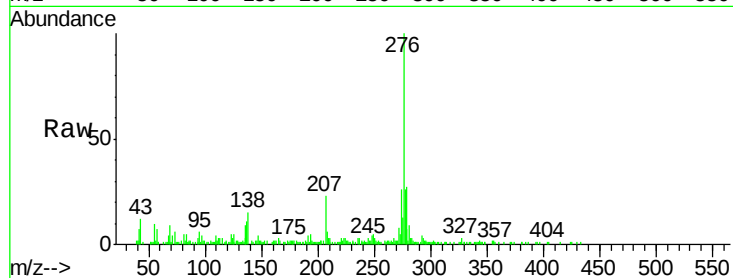
Tgt Ion:276 Resp: 64316

Ion Ratio Lower Upper

276 100

138 14.5 15.4 23.0#

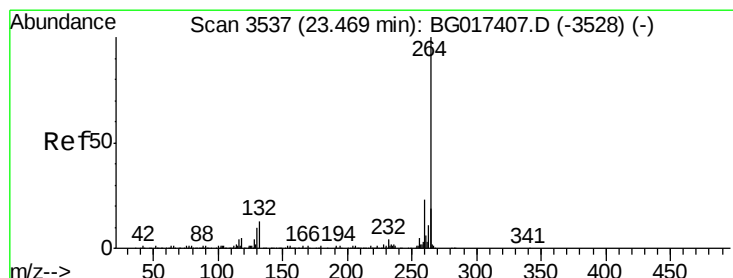
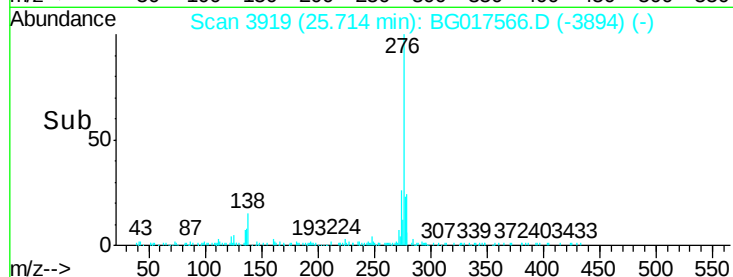
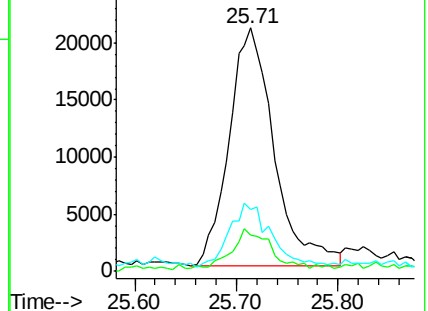
277 24.9 20.5 30.7



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# 3534

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

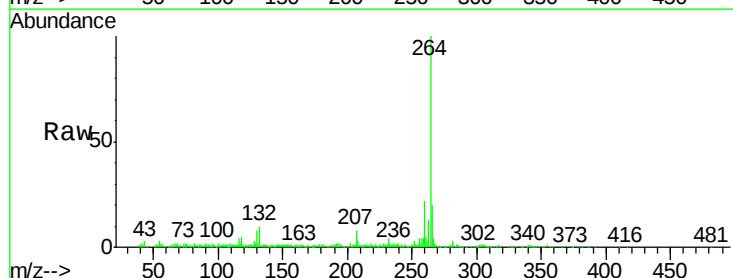
Tgt Ion:264 Resp: 130926

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

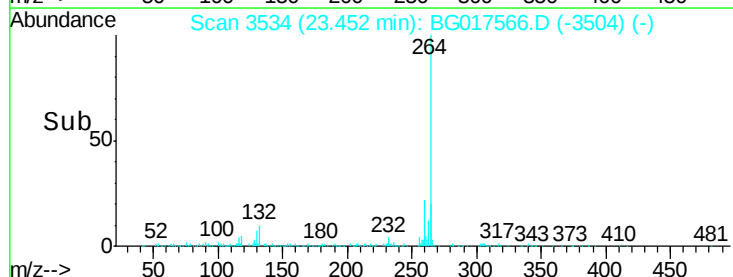
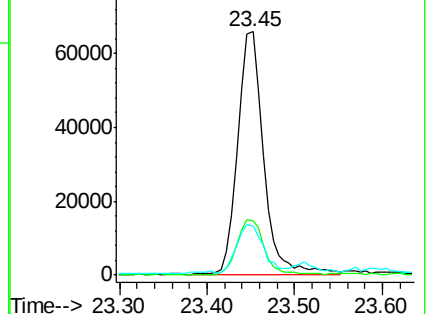
265 20.2 15.8 23.6

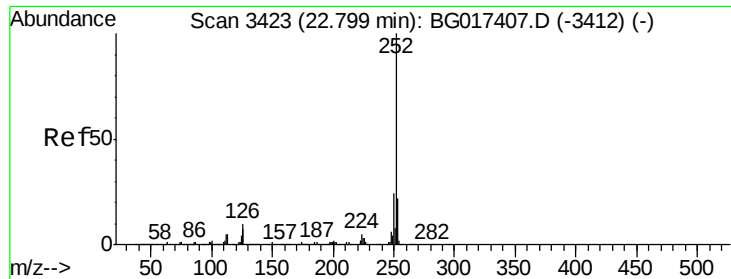


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.01 ng

RT: 22.78 min Scan# 3420

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

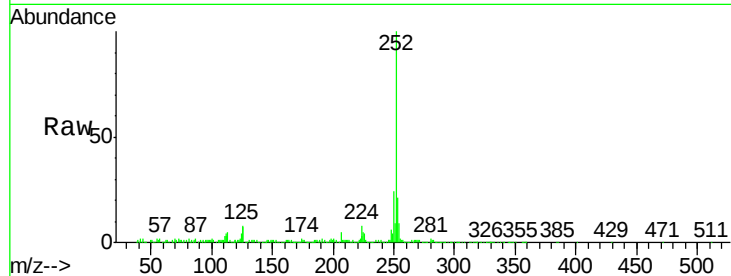
Tgt Ion:252 Resp: 199170

Ion Ratio Lower Upper

252 100

253 20.7 17.4 26.2

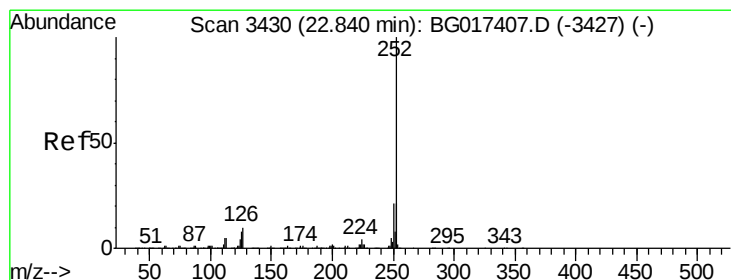
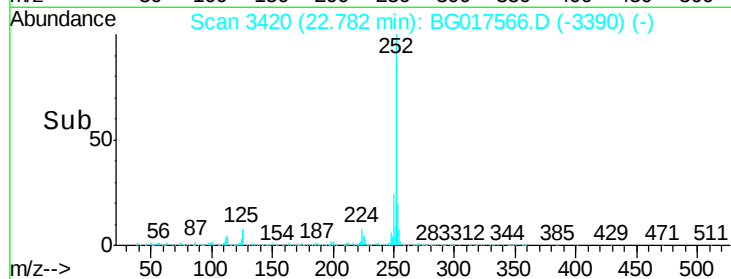
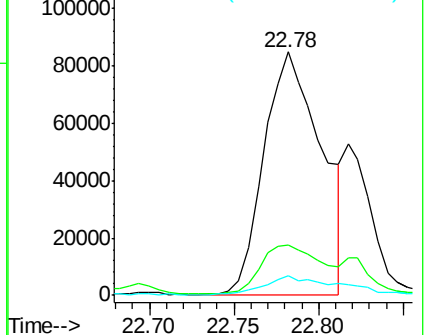
125 7.9 5.8 8.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 25.09 ng

RT: 22.78 min Scan# 3420

Delta R.T. -0.07 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

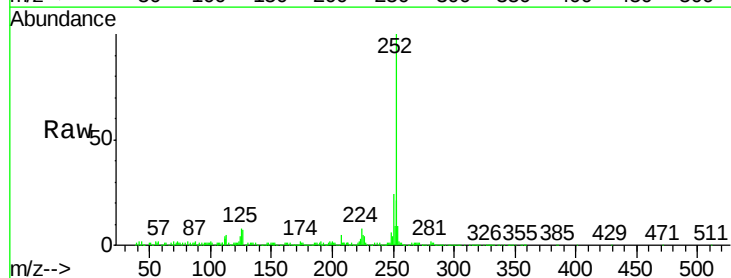
Tgt Ion:252 Resp: 199170

Ion Ratio Lower Upper

252 100

253 20.7 17.7 26.5

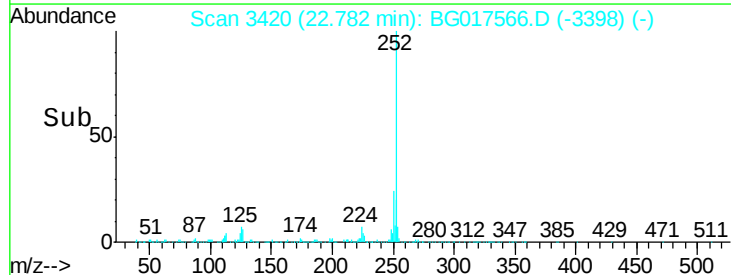
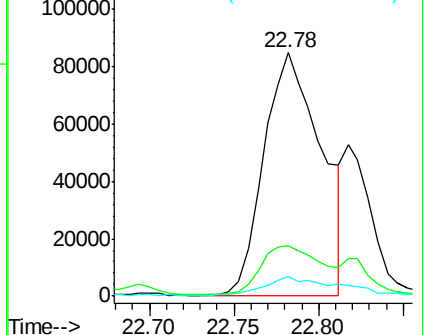
125 7.9 6.5 9.7

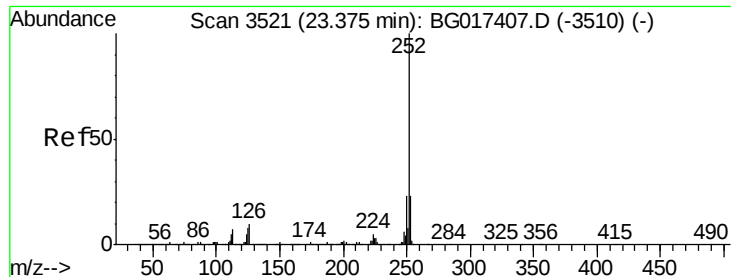


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.97 ng

RT: 23.25 min Scan# 3500

Delta R.T. -0.13 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

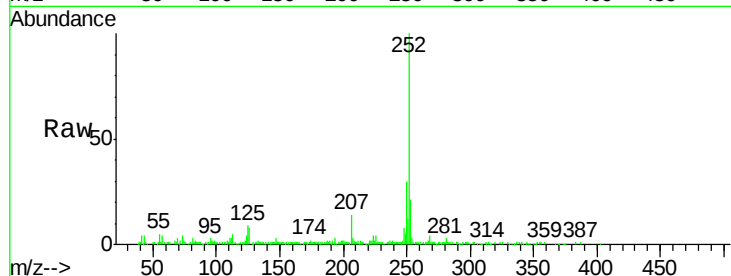
Tgt Ion:252 Resp: 83484

Ion Ratio Lower Upper

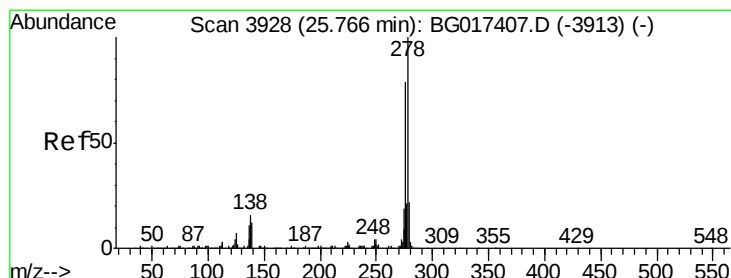
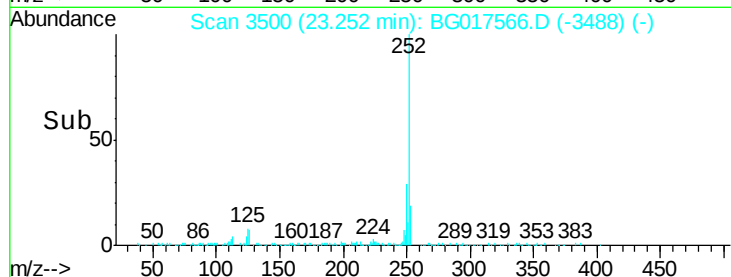
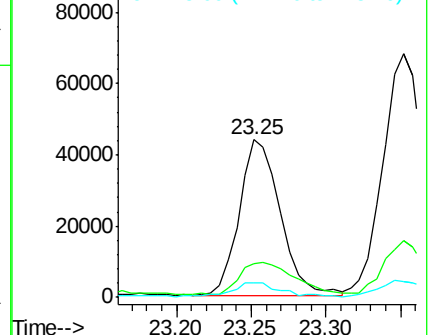
252 100

253 21.4 18.1 27.1

125 9.2 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: 2.37 ng

RT: 25.71 min Scan# 3919

Delta R.T. -0.06 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

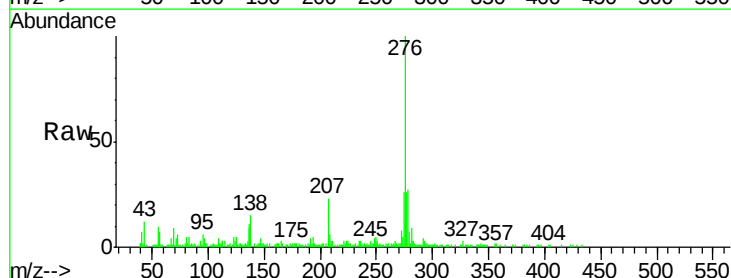
Tgt Ion:278 Resp: 18717

Ion Ratio Lower Upper

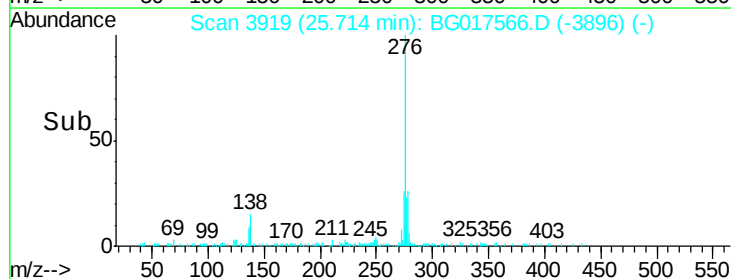
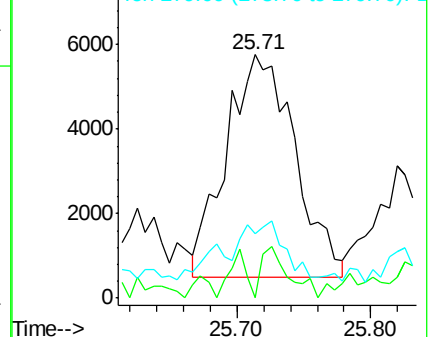
278 100

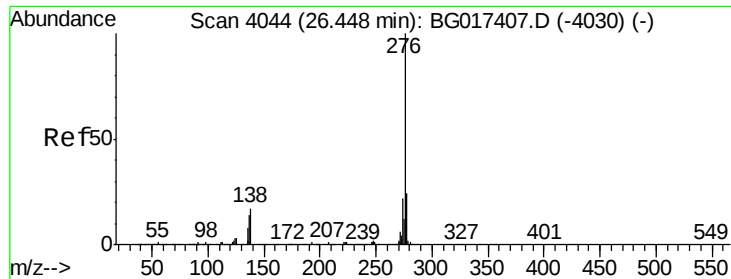
139 0.0 9.4 14.0#

279 26.2 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: 7.58 ng

RT: 26.41 min Scan# 4037

Delta R.T. -0.06 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

SP-5DL

Tgt Ion: 276 Resp: 57005

Ion Ratio Lower Upper

276 100

277 19.5 19.2 28.8

138 12.6 13.5 20.3#

