

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017544.D
 Acq On : 8 Jun 2015 15:44
 Operator : TP/IZ
 Sample : G2464-16 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Quant Time: Jun 09 02:15:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

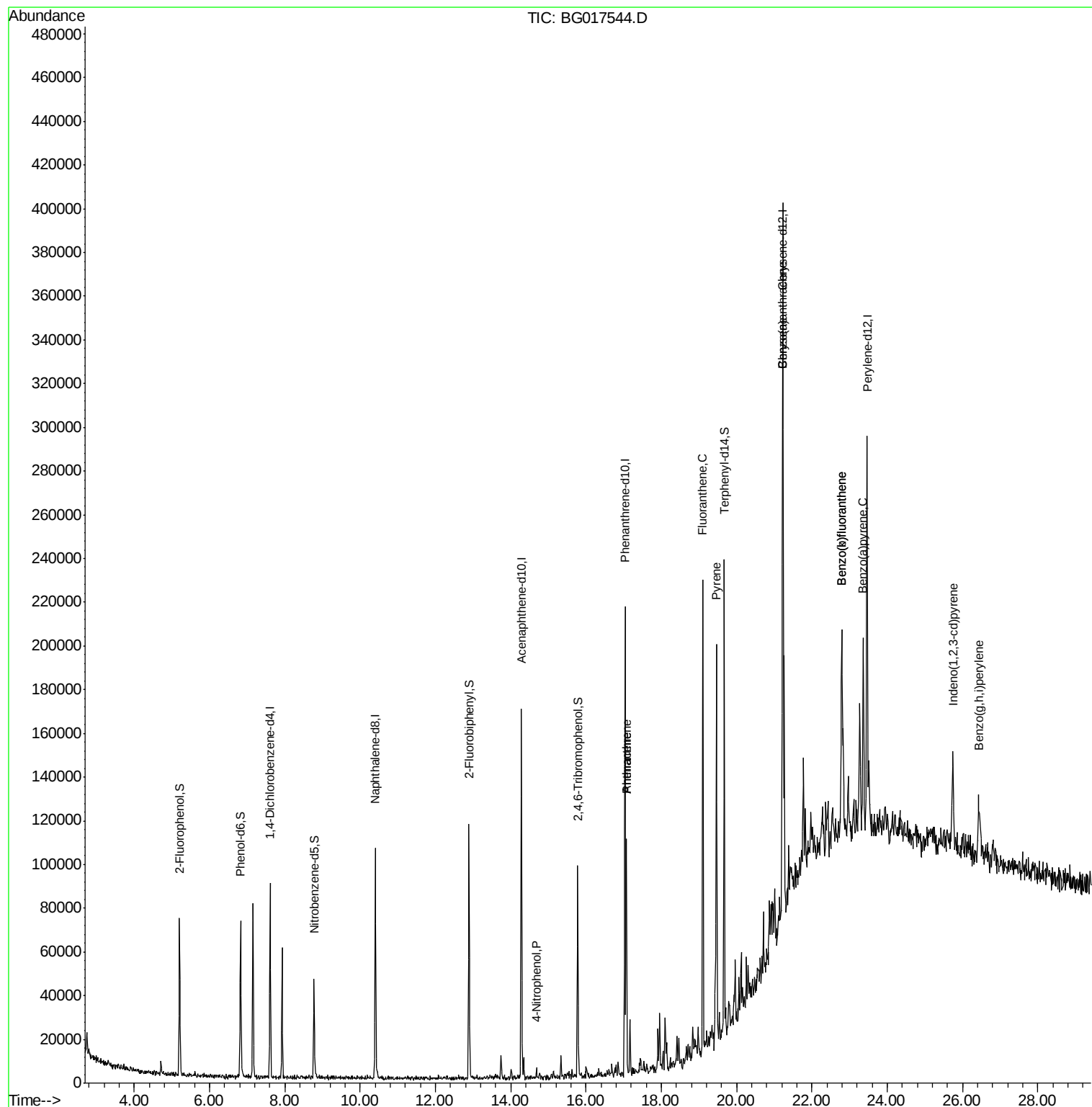
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19277	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	79123	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	50821	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	110127	20.00	ng	0.00
75) Chrysene-d12	21.23	240	123685	20.00	ng	0.00
86) Perylene-d12	23.47	264	128280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	26459	24.18	ng	0.00
7) Phenol-d6	6.83	99	33942	22.77	ng	0.00
23) Nitrobenzene-d5	8.78	82	24520	15.47	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	14081	19.95	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	52797	15.67	ng	0.00
78) Terphenyl-d14	19.68	244	80195	13.40	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	14.69	139	1315	2.31	ng	# 1
70) Phenanthrene	17.08	178	56733	9.24	ng	99
71) Anthracene	17.08	178	56733	9.25	ng	97
74) Fluoranthene	19.11	202	119541	14.89	ng	97
77) Pyrene	19.47	202	109138	14.32	ng	99
80) Benzo(a)anthracene	21.21	228	60627	7.97	ng	94
82) Chrysene	21.21	228	60627	8.80	ng	97
85) Indeno(1,2,3-cd)pyrene	25.74	276	36764	4.25	ng	94
87) Benzo(b)fluoranthene	22.80	252	77864	9.58	ng	98
88) Benzo(k)fluoranthene	22.80	252	77864	10.01	ng	99
89) Benzo(a)pyrene	23.37	252	58677	7.87	ng	96
91) Benzo(g,h,i)perylene	26.44	276	38748	5.26	ng	# 95

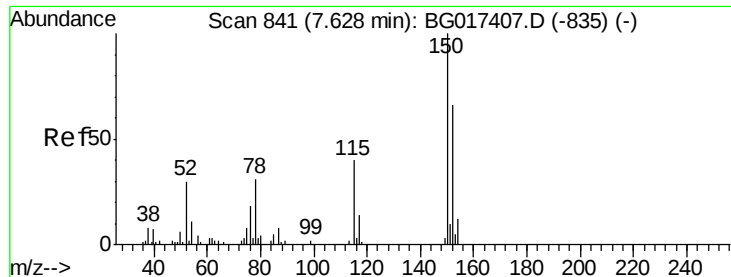
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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BNA_G
ClientSampleId :
SB-15AS

Quant Time: Jun 09 02:15:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration



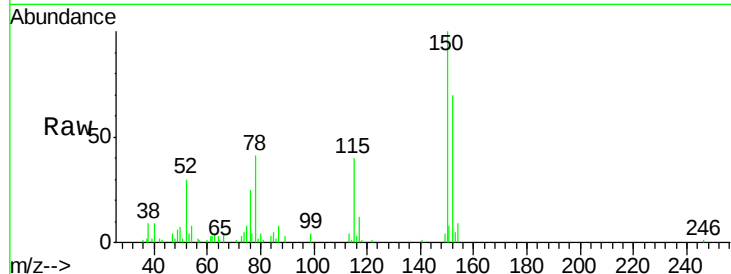


#1

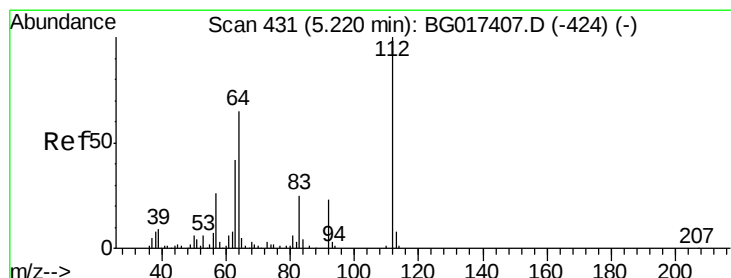
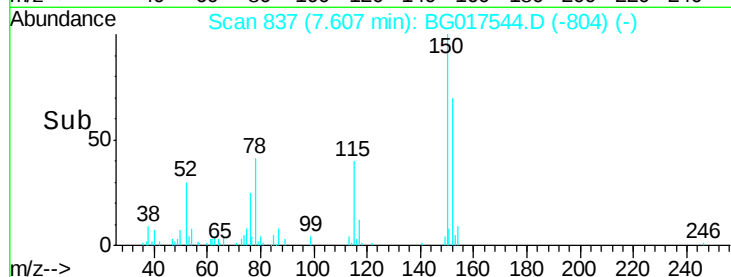
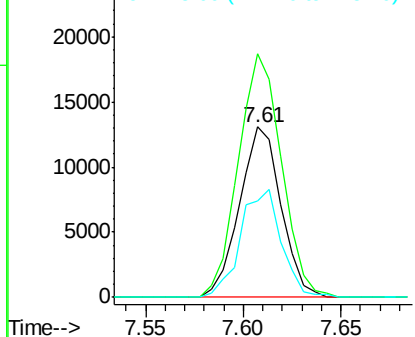
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.61 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Instrument :
 BNA_G
 ClientSampled :
 SB-15AS

Tgt Ion:152 Resp: 19277
 Ion Ratio Lower Upper
 152 100
 150 143.1 121.7 182.5
 115 56.9 48.6 73.0



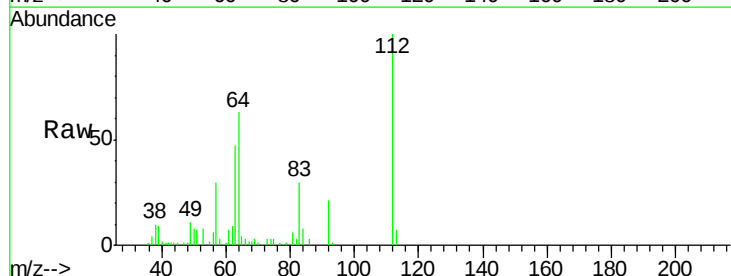
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



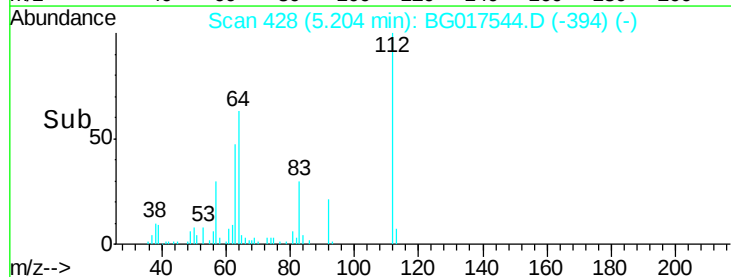
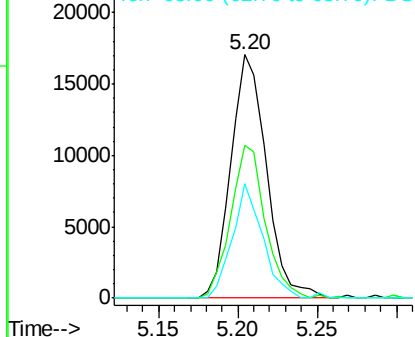
#5

2-Fluorophenol
 Concen: 24.18 ng
 RT: 5.20 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion:112 Resp: 26459
 Ion Ratio Lower Upper
 112 100
 64 62.6 51.6 77.4
 63 47.0 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: 22.77 ng

RT: 6.83 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

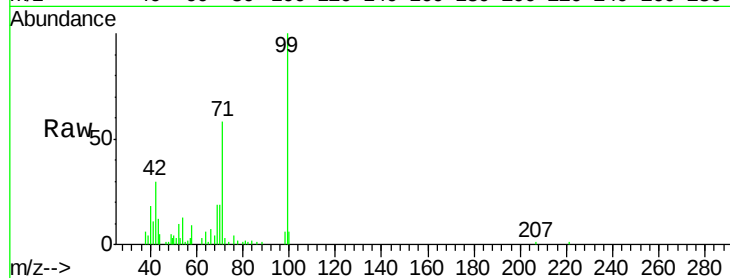
Tgt Ion: 99 Resp: 33942

Ion Ratio Lower Upper

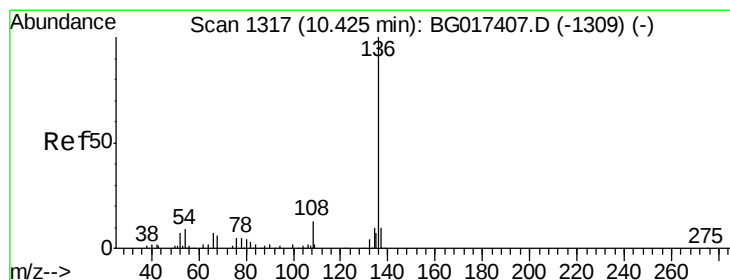
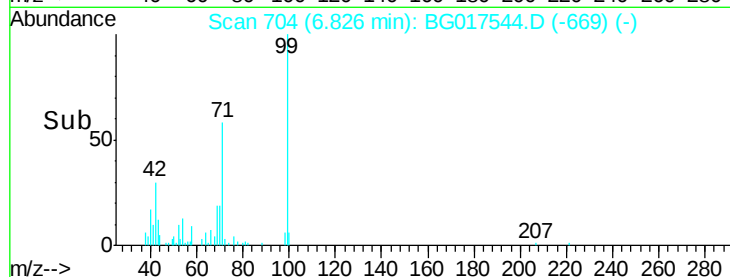
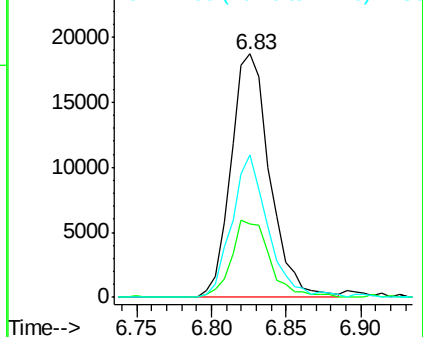
99 100

42 30.2 21.0 31.6

71 58.3 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# 1313

Delta R.T. 0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Tgt Ion: 136 Resp: 79123

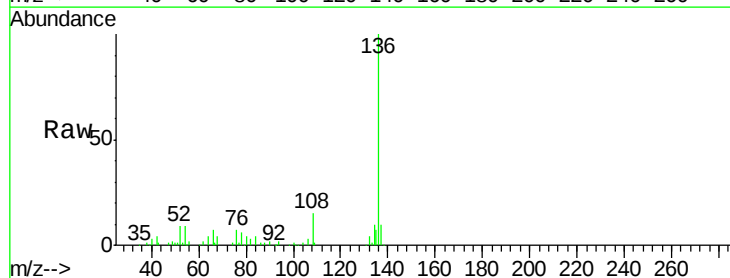
Ion Ratio Lower Upper

136 100

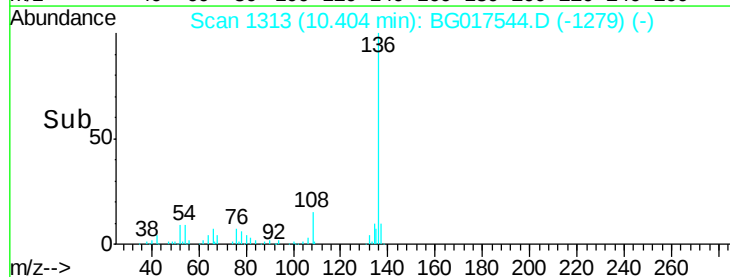
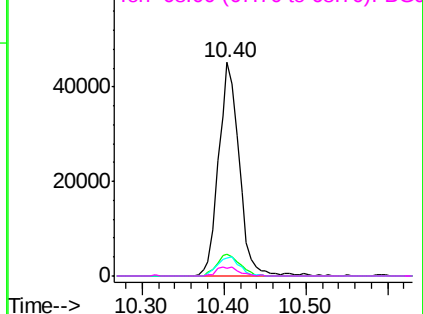
137 10.3 7.9 11.9

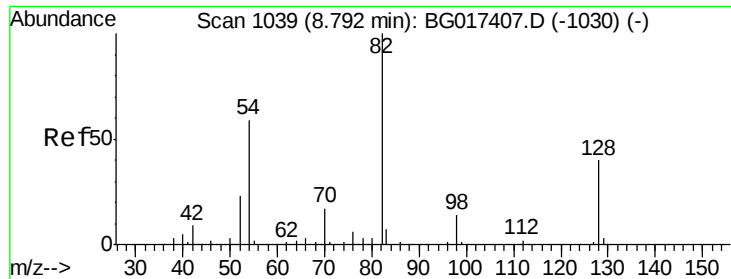
54 8.5 7.2 10.8

68 3.7 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

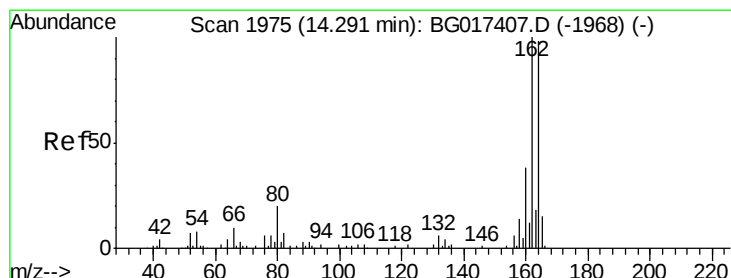
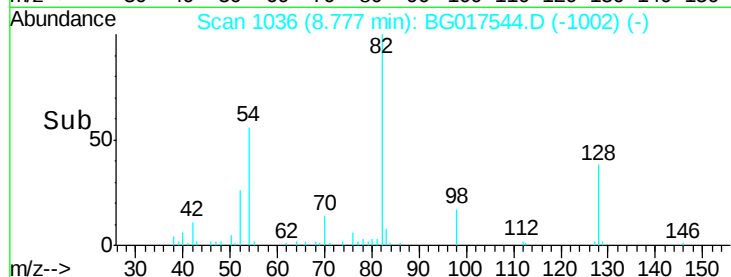
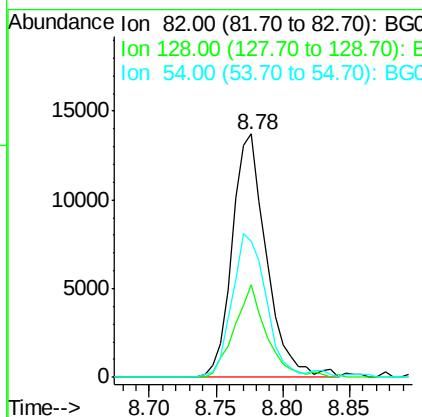
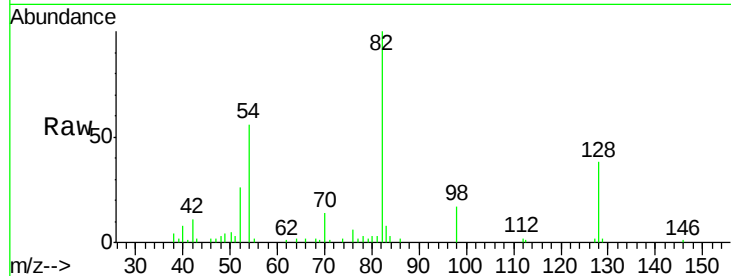




#23
 Nitrobenzene-d5
 Concen: 15.47 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

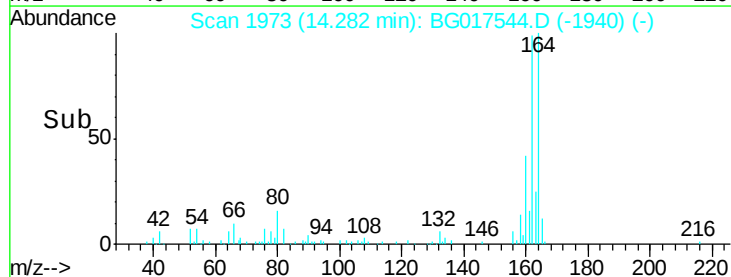
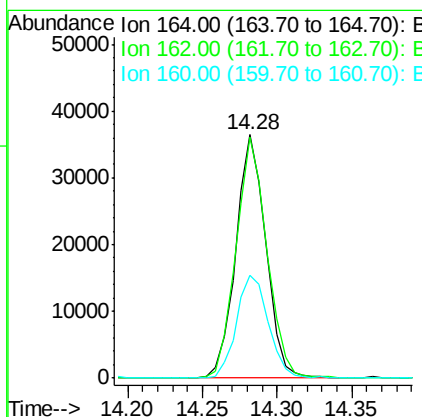
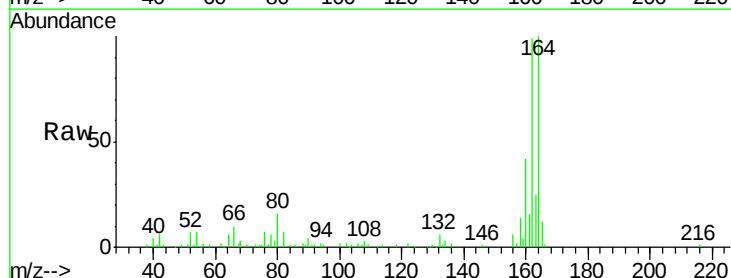
Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

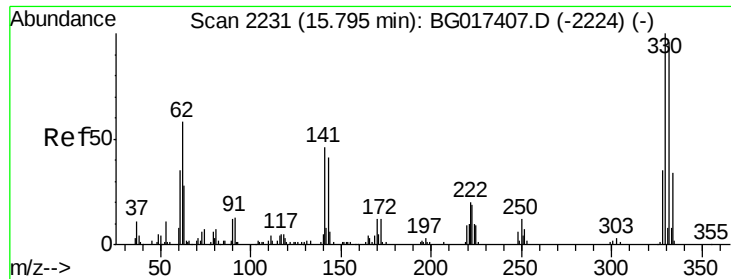
Tgt Ion: 82 Resp: 24520
 Ion Ratio Lower Upper
 82 100
 128 38.0 32.2 48.4
 54 56.0 47.4 71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion: 164 Resp: 50821
 Ion Ratio Lower Upper
 164 100
 162 99.2 81.8 122.6
 160 42.0 31.0 46.4

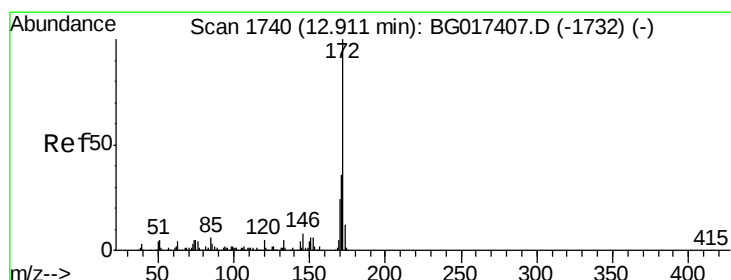
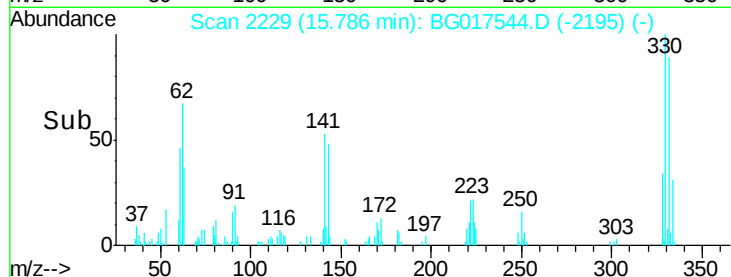
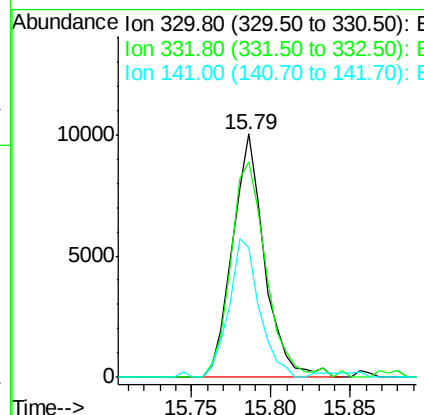
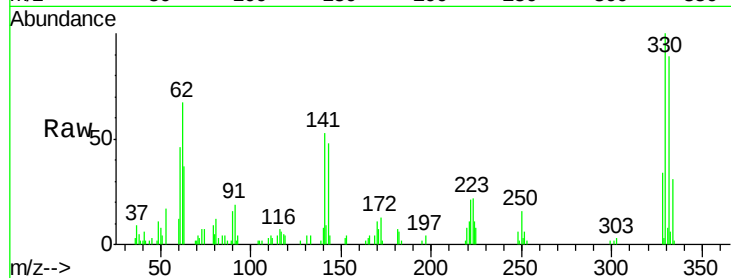




#41
 2,4,6-Tribromophenol
 Concen: 19.95 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

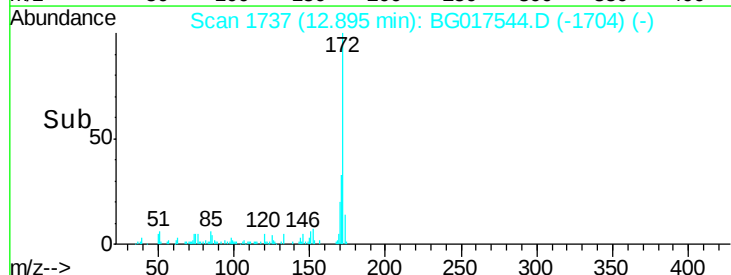
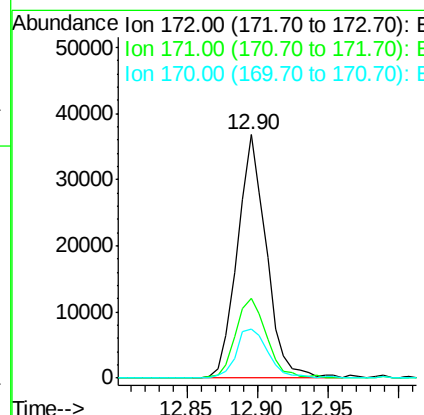
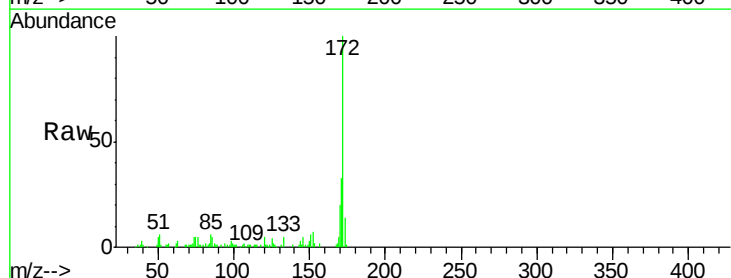
Instrument :
 BNA_G
 ClientSampled :
 SB-15AS

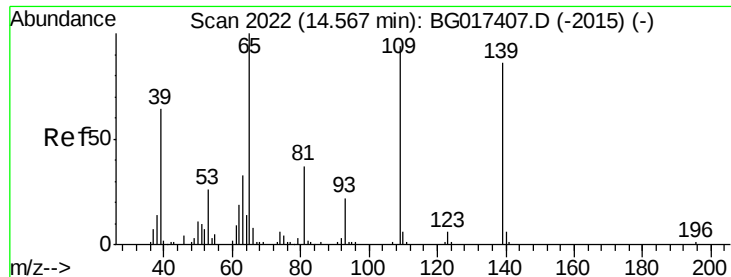
Tgt Ion: 330 Resp: 14081
 Ion Ratio Lower Upper
 330 100
 332 97.7 75.9 113.9
 141 53.8 40.2 60.4



#44
 2-Fluorobiphenyl
 Concen: 15.67 ng
 RT: 12.90 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion: 172 Resp: 52797
 Ion Ratio Lower Upper
 172 100
 171 32.7 29.0 43.6
 170 19.9 18.9 28.3

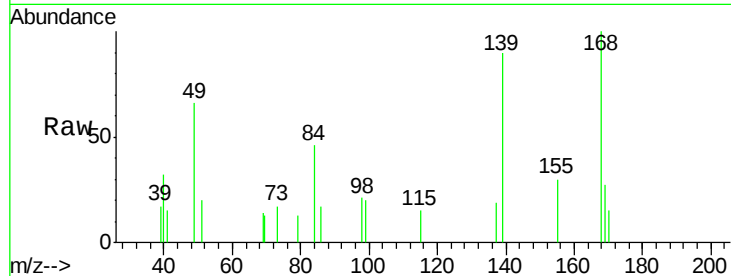




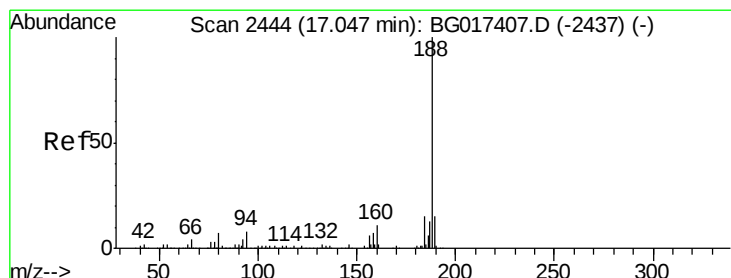
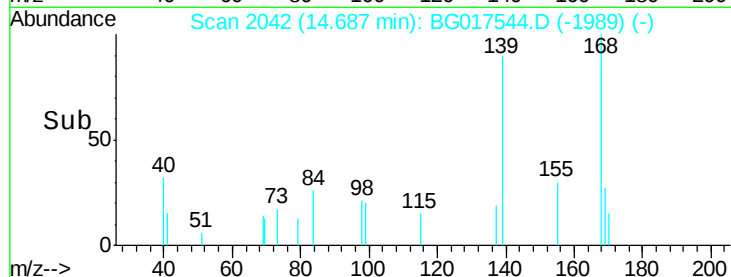
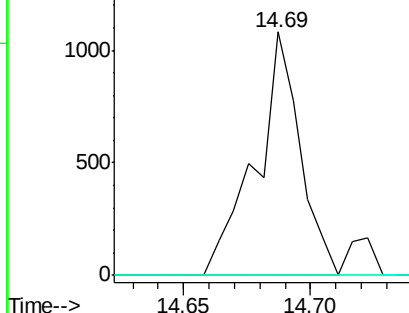
#55
4-Nitrophenol
Concen: 2.31 ng
RT: 14.69 min Scan# 2042
Delta R.T. 0.11 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Instrument :
BNA_G
ClientSampleId :
SB-15AS

Tgt Ion:139 Resp: 1315
Ion Ratio Lower Upper
139 100
109 0.0 89.5 129.5#
65 0.0 95.9 135.9#

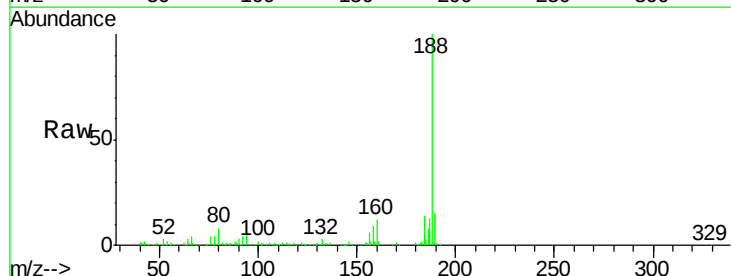


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

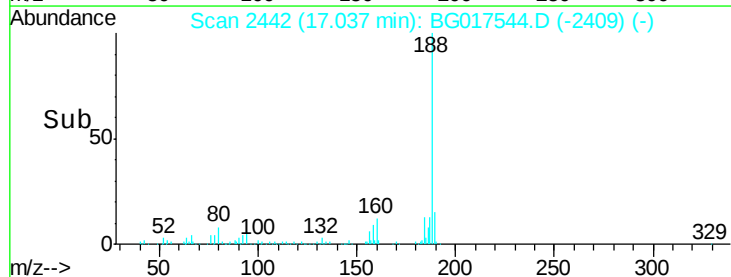
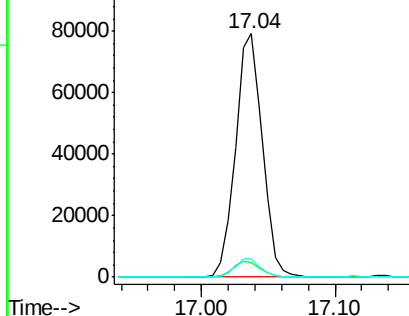


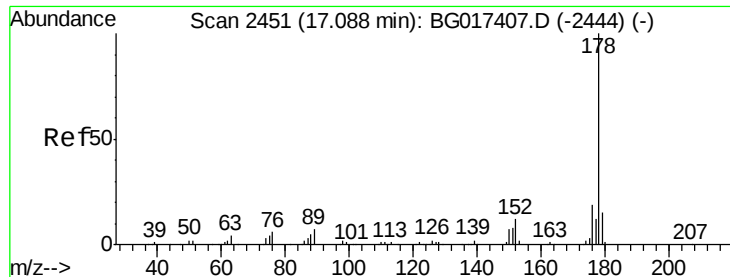
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Tgt Ion:188 Resp: 110127
Ion Ratio Lower Upper
188 100
94 5.9 6.3 9.5#
80 7.6 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: 9.24 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampled :

SB-15AS

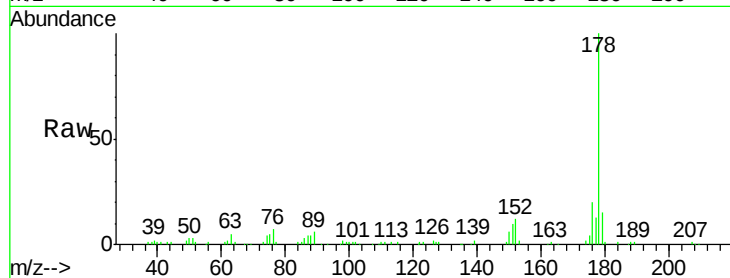
Tgt Ion:178 Resp: 56733

Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

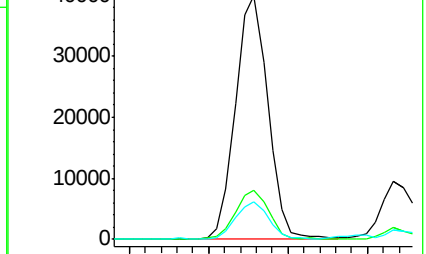
179 15.4 12.2 18.2



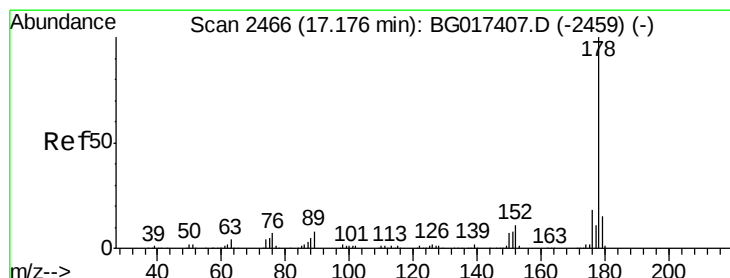
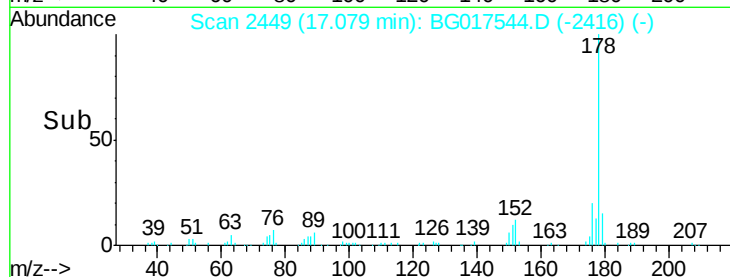
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 9.25 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.09 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

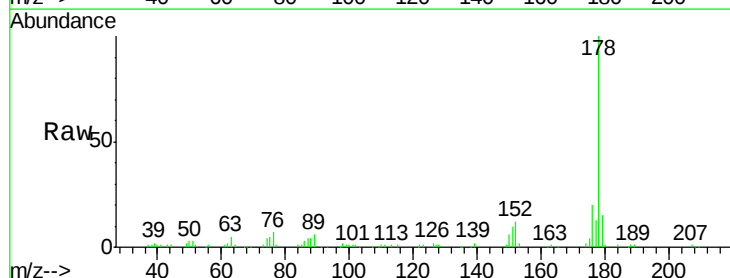
Tgt Ion:178 Resp: 56733

Ion Ratio Lower Upper

178 100

176 20.2 14.2 21.2

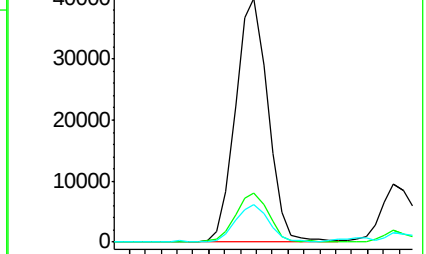
179 15.4 12.2 18.4



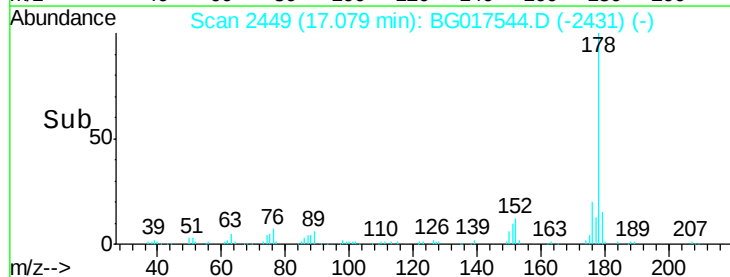
Abundance Ion 178.00 (177.70 to 178.70): E

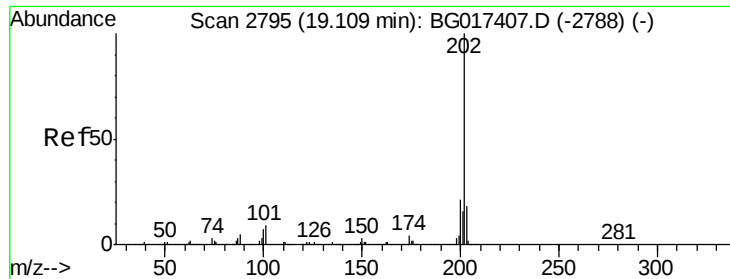
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 14.89 ng

RT: 19.11 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

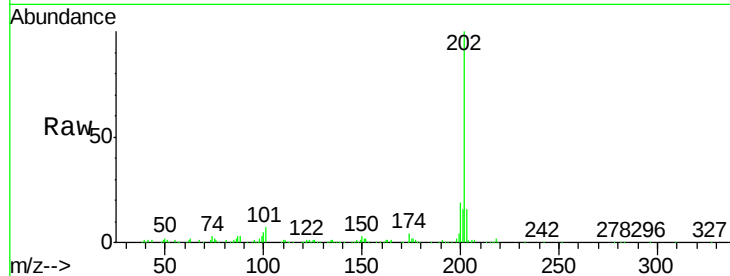
Instrument :

BNA_G

ClientSampleId :

SB-15AS

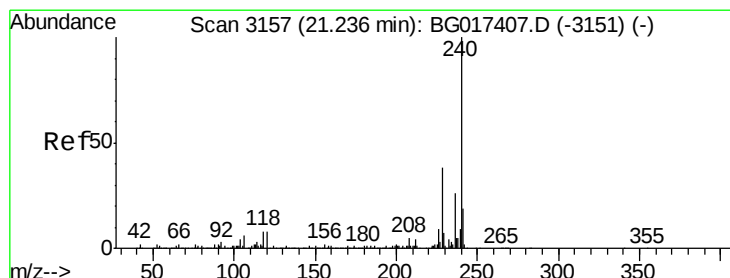
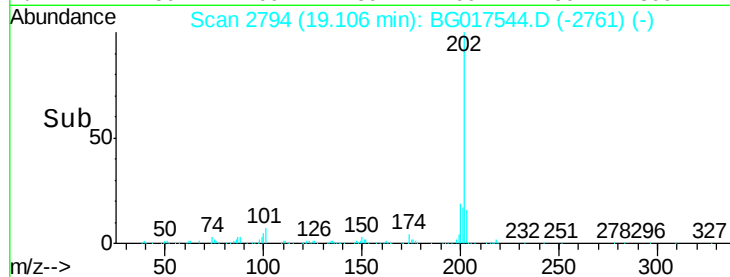
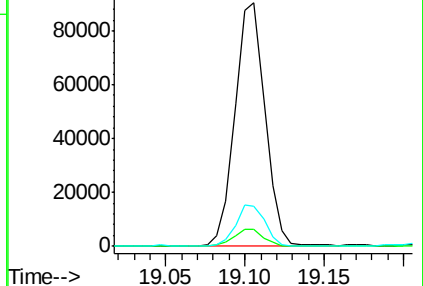
Tgt Ion:	202	Resp:	119541
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	28.8
203	16.5	0.0	37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

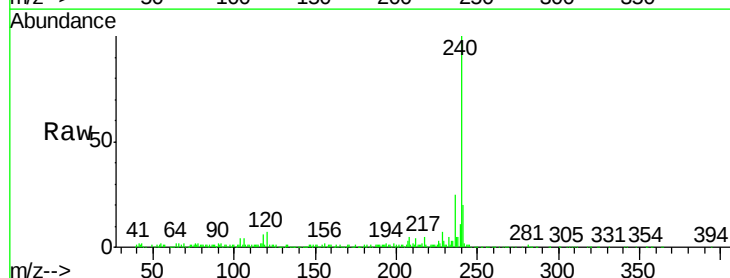
RT: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

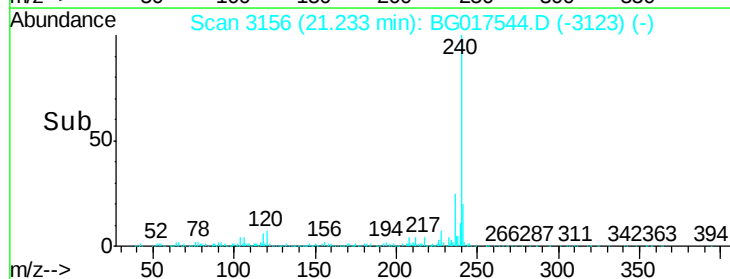
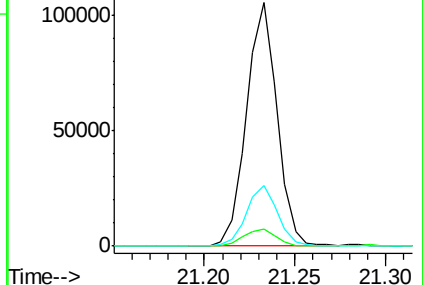
Tgt Ion:	240	Resp:	123685
Ion Ratio	Lower	Upper	
240	100		
120	7.2	6.5	9.7
236	25.0	20.8	31.2

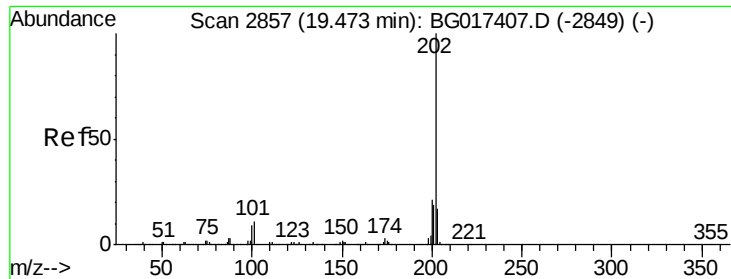


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.32 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

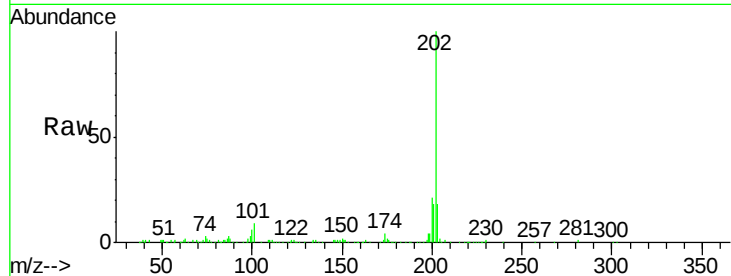
Tgt Ion:202 Resp: 109138

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

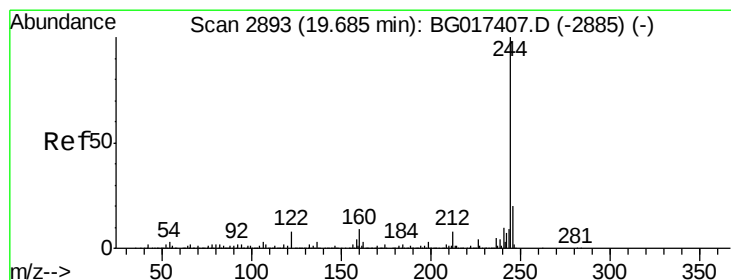
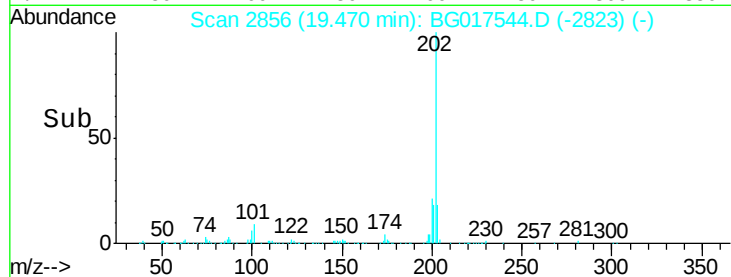
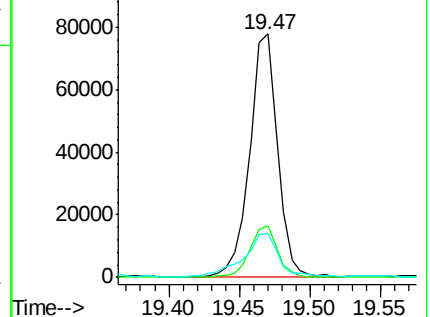
203 18.1 13.9 20.9



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: 13.40 ng

RT: 19.68 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

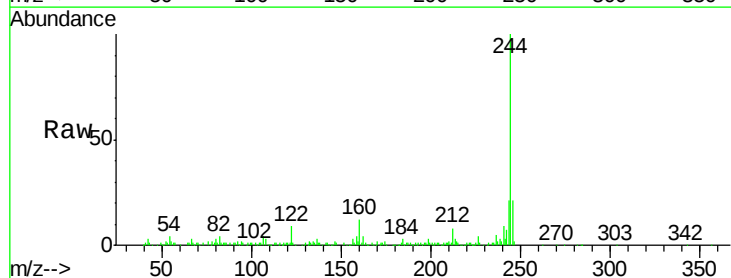
Tgt Ion:244 Resp: 80195

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

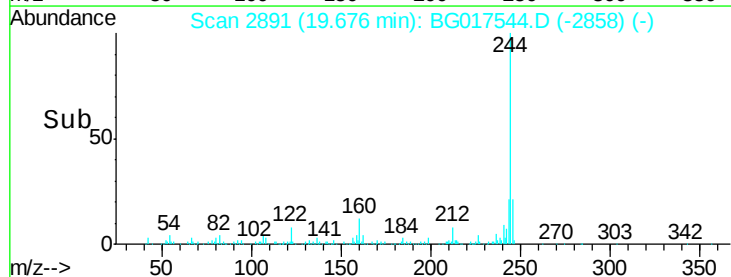
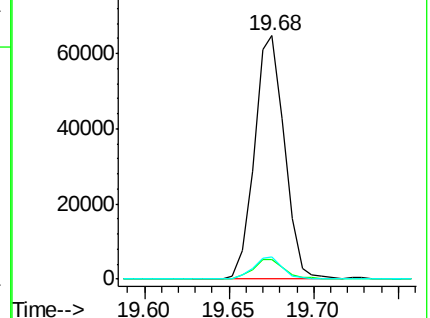
122 9.2 6.6 10.0

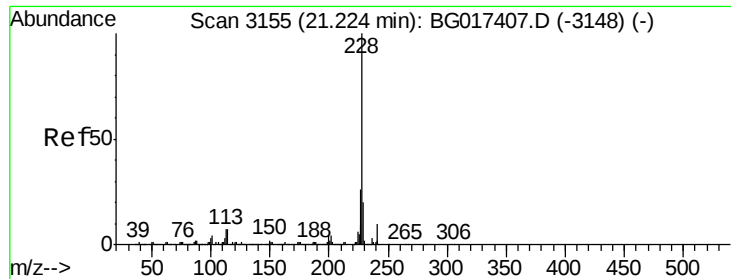


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.97 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

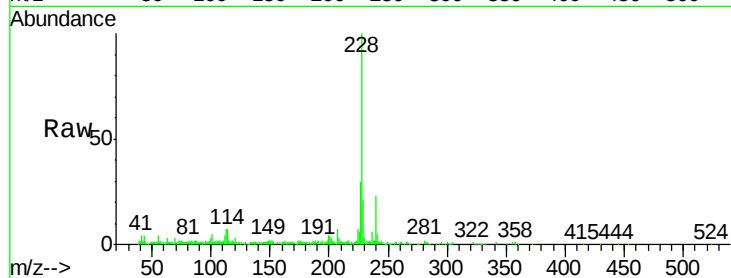
Tgt Ion:228 Resp: 60627

Ion Ratio Lower Upper

228 100

226 30.0 21.0 31.6

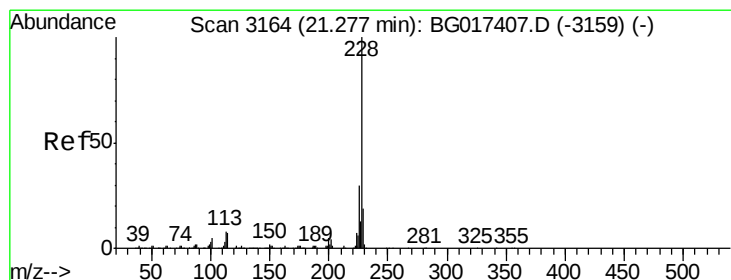
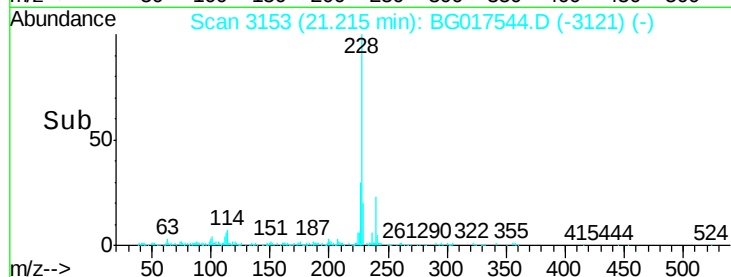
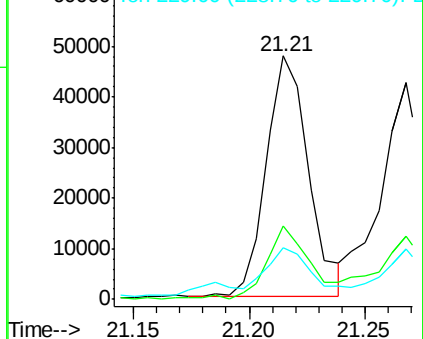
229 21.4 15.7 23.5



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: 8.80 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.06 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

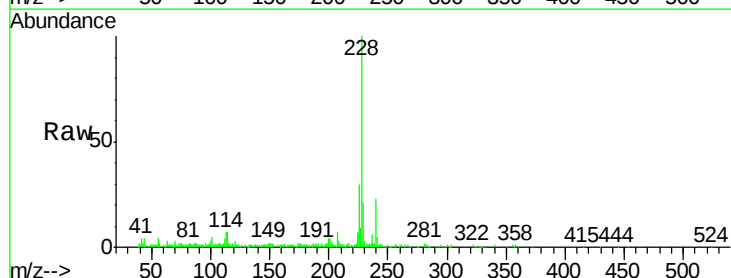
Tgt Ion:228 Resp: 60627

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

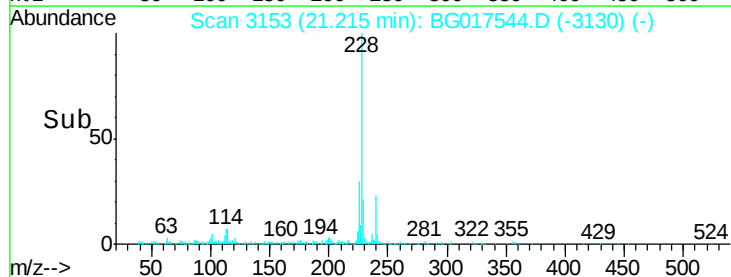
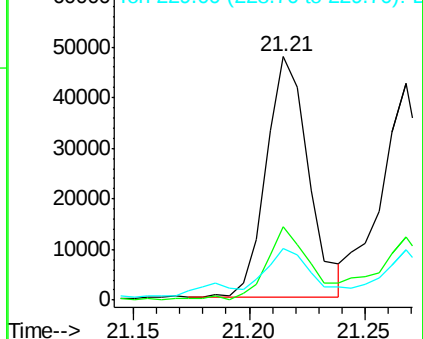
229 21.4 15.2 22.8

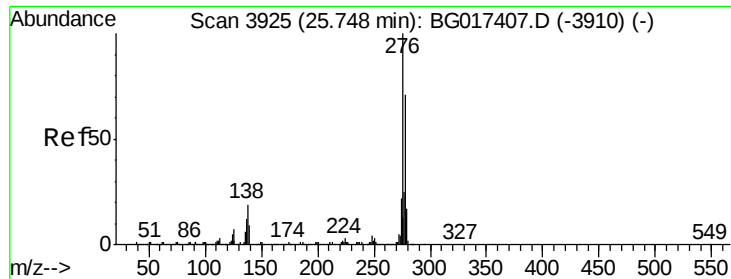


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.25 ng

RT: 25.74 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

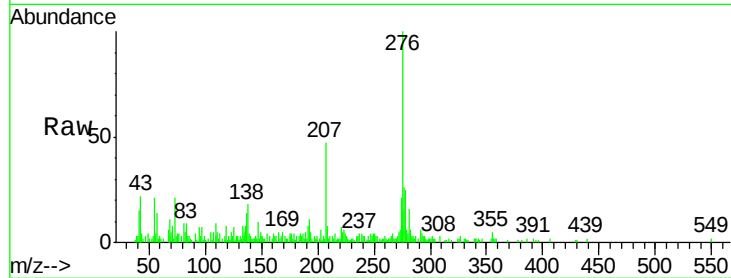
Tgt Ion:276 Resp: 36764

Ion Ratio Lower Upper

276 100

138 16.7 15.4 23.0

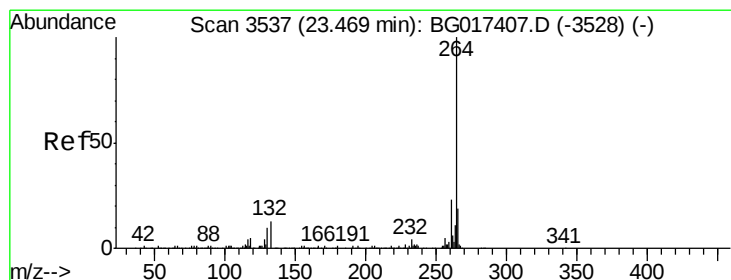
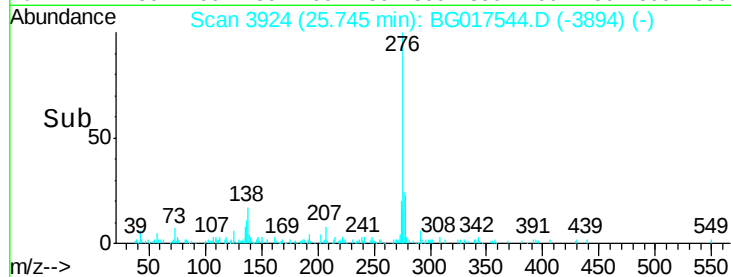
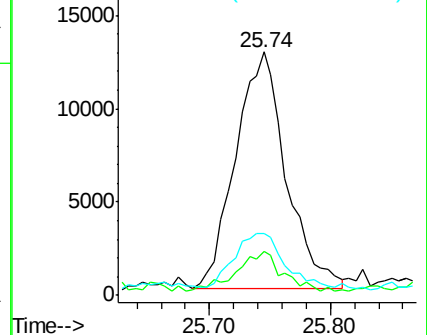
277 22.5 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.47 min Scan# 3537

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

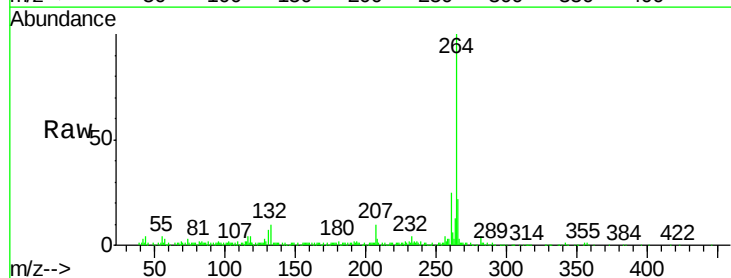
Tgt Ion:264 Resp: 128280

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

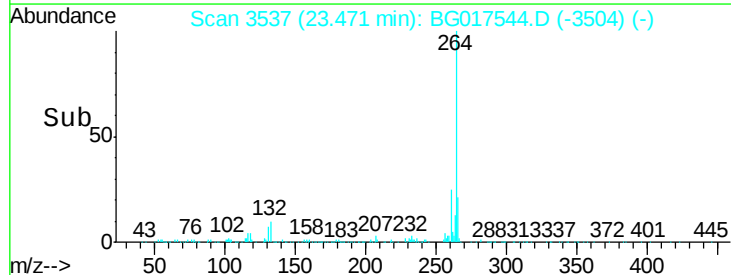
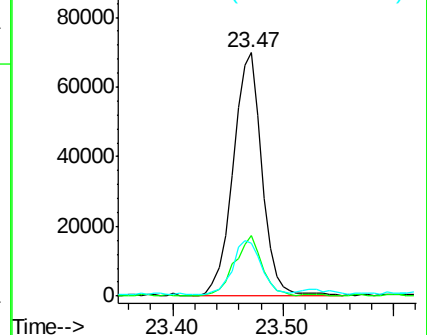
265 21.8 15.8 23.6

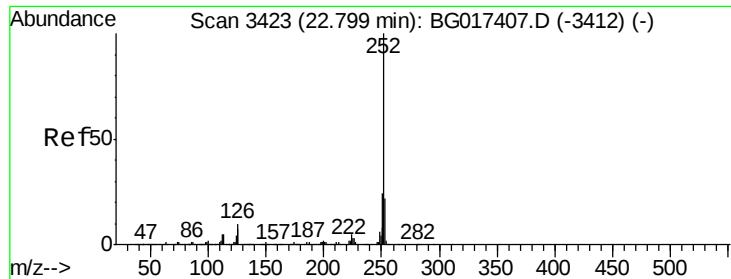


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.58 ng

RT: 22.80 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

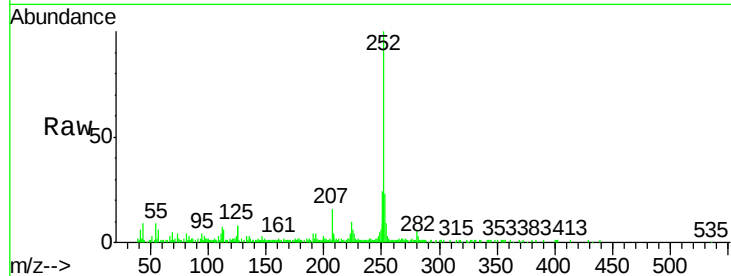
Tgt Ion:252 Resp: 77864

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

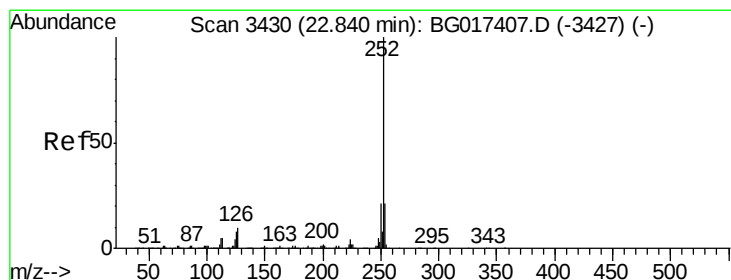
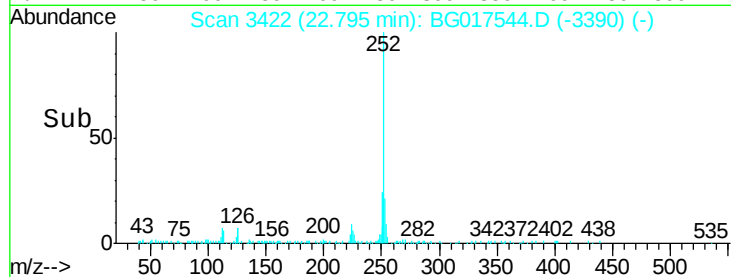
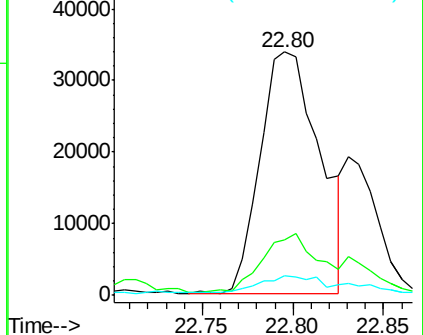
125 8.3 5.8 8.8



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: 10.01 ng

RT: 22.80 min Scan# 3422

Delta R.T. -0.06 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

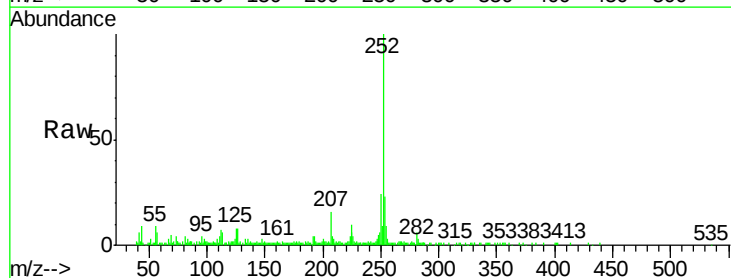
Tgt Ion:252 Resp: 77864

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

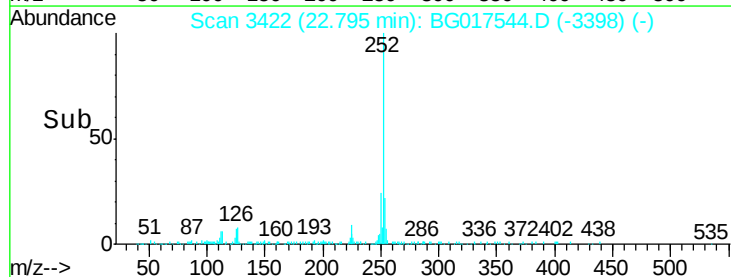
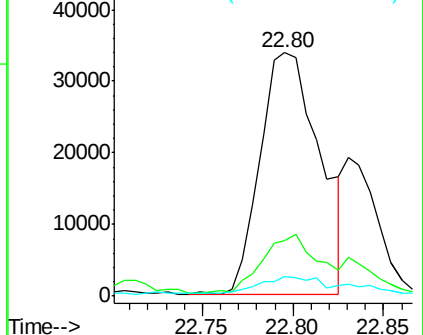
125 8.3 6.5 9.7

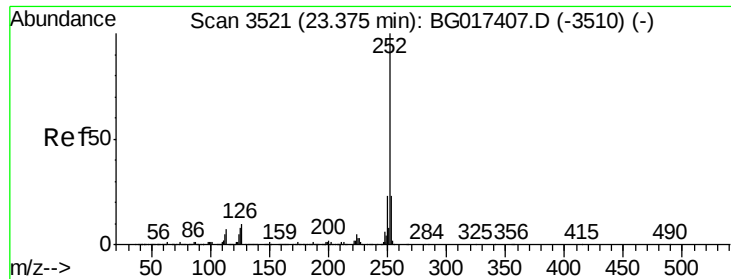


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.87 ng

RT: 23.37 min Scan# 3519

Delta R.T. -0.02 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

SB-15AS

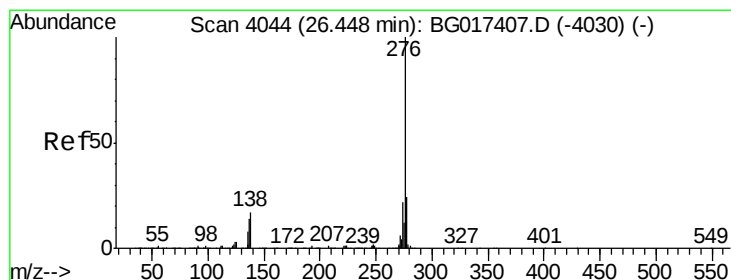
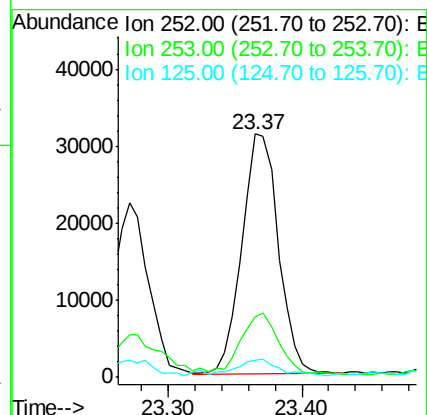
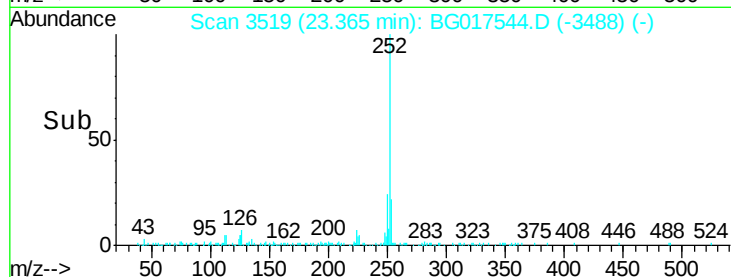
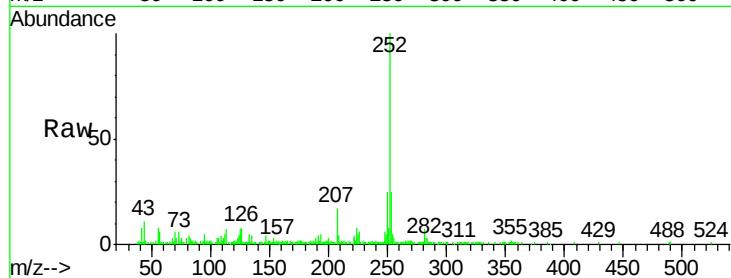
Tgt Ion:252 Resp: 58677

Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

125 7.2 6.5 9.7



#91

Benzo(g,h,i)perylene

Concen: 5.26 ng

RT: 26.44 min Scan# 4043

Delta R.T. -0.03 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Tgt Ion:276 Resp: 38748

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 21.2 13.5 20.3#

