

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017533.D
 Acq On : 7 Jun 2015 13:59
 Operator : TP/IZ
 Sample : G2457-13 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-7

Quant Time: Jun 08 05:27:41 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

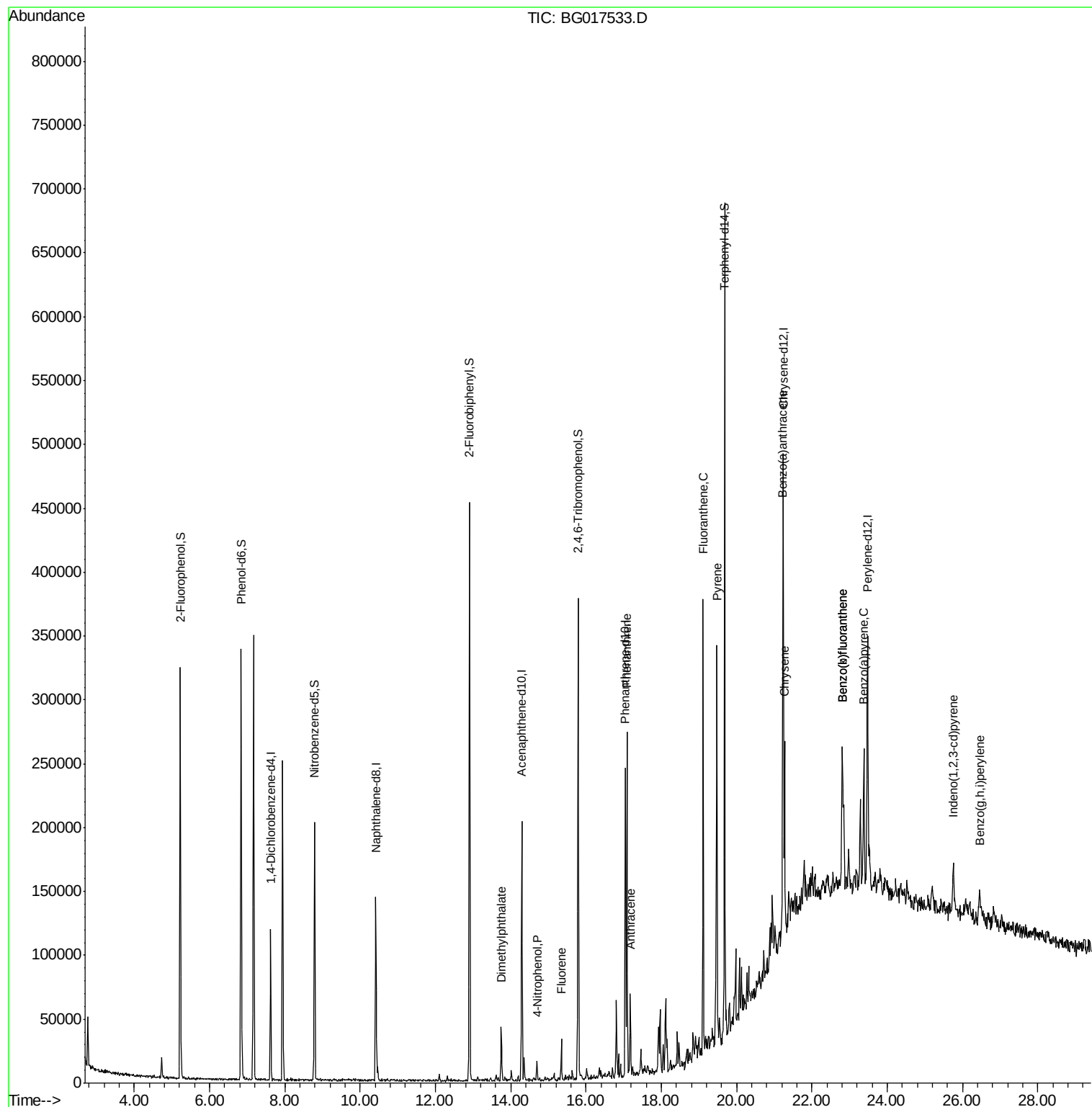
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	26424	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	103665	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	61033	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	121482	20.00	ng	0.00
75) Chrysene-d12	21.24	240	139273	20.00	ng	0.00
86) Perylene-d12	23.48	264	139271	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	106892	71.27	ng	0.00
7) Phenol-d6	6.84	99	140443	68.73	ng	0.00
23) Nitrobenzene-d5	8.79	82	102426	49.32	ng	0.00
41) 2,4,6-Tribromophenol	15.80	330	52935	62.44	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	197493	48.81	ng	0.00
78) Terphenyl-d14	19.68	244	242103	35.93	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	25681	4.83	ng	99
55) 4-Nitrophenol	14.70	139	3746	4.39	ng	# 1
57) Fluorene	15.34	166	11737	2.27	ng	# 90
70) Phenanthrene	17.09	178	143521	21.19	ng	97
71) Anthracene	17.18	178	35538	5.25	ng	95
74) Fluoranthene	19.11	202	189043	21.34	ng	99
77) Pyrene	19.47	202	169349	19.74	ng	98
80) Benzo(a)anthracene	21.22	228	90646	10.58	ng	97
82) Chrysene	21.27	228	76952	9.92	ng	97
85) Indeno(1,2,3-cd)pyrene	25.75	276	35479	3.64	ng	97
87) Benzo(b)fluoranthene	22.81	252	96916	10.98	ng	# 97
88) Benzo(k)fluoranthene	22.81	252	96916	11.48	ng	98
89) Benzo(a)pyrene	23.38	252	74465	9.20	ng	96
91) Benzo(g,h,i)perylene	26.46	276	32322	4.04	ng	96

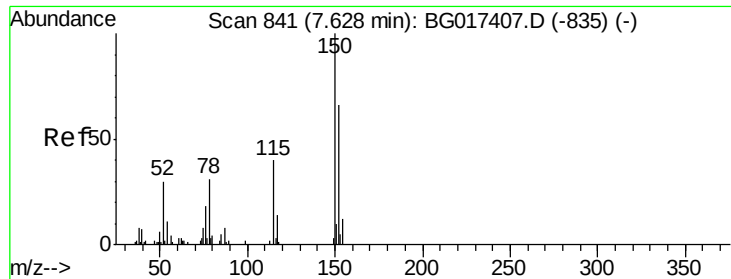
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 28 Sample Multiplier: 1

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BNA_G
ClientSampleId :
SP-7

Quant Time: Jun 08 05:27:41 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



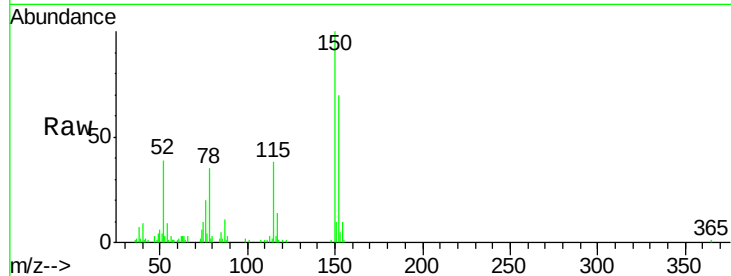


#1

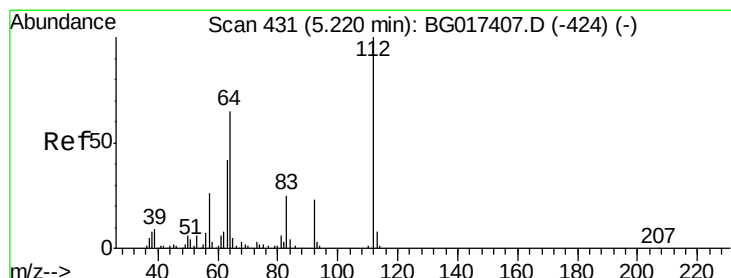
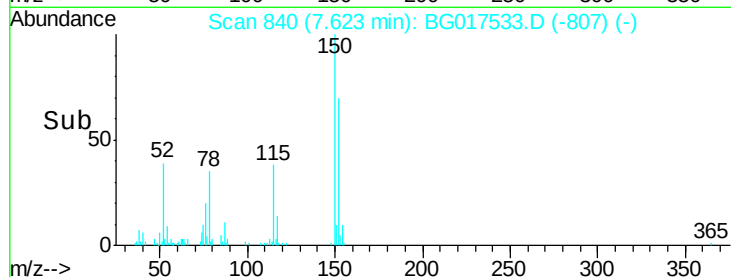
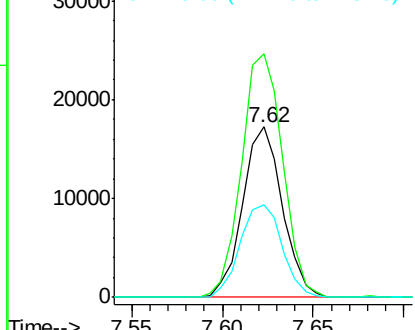
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.62 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG017533.D
Acq: 7 Jun 2015 13:59

Instrument :
BNA_G
ClientSampleId :
SP-7

Tgt Ion:152 Resp: 26424
Ion Ratio Lower Upper
152 100
150 143.1 121.7 182.5
115 54.6 48.6 73.0



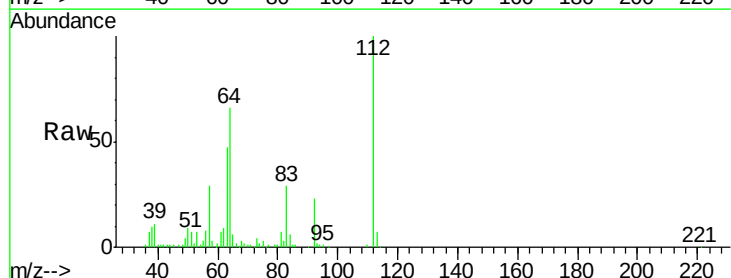
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



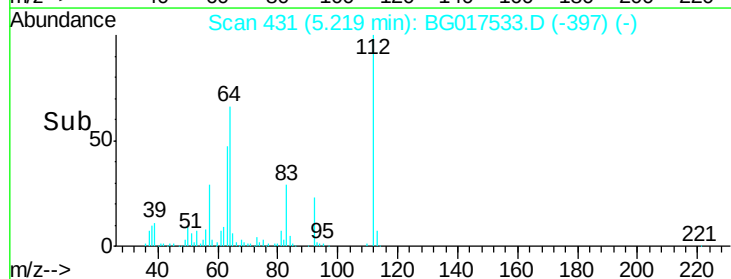
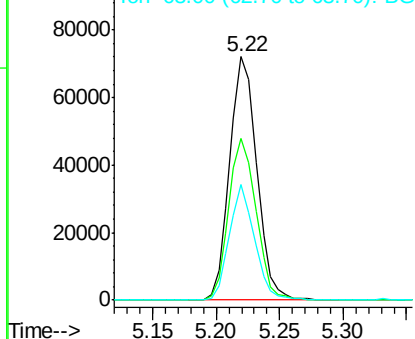
#5

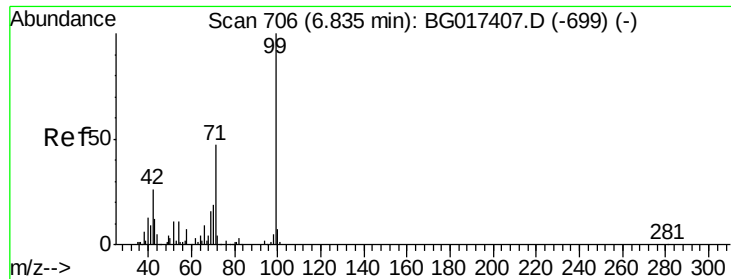
2-Fluorophenol
Concen: 71.27 ng
RT: 5.22 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG017533.D
Acq: 7 Jun 2015 13:59

Tgt Ion:112 Resp: 106892
Ion Ratio Lower Upper
112 100
64 66.5 51.6 77.4
63 47.4 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: 68.73 ng

RT: 6.84 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

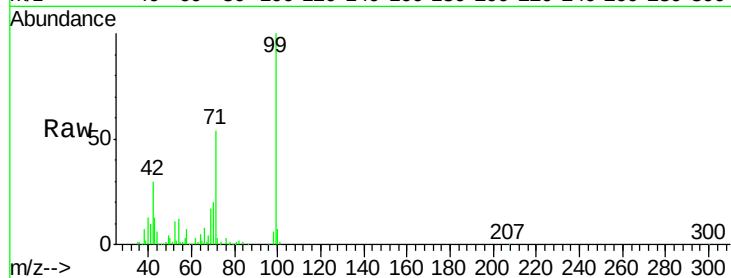
Tgt Ion: 99 Resp: 140443

Ion Ratio Lower Upper

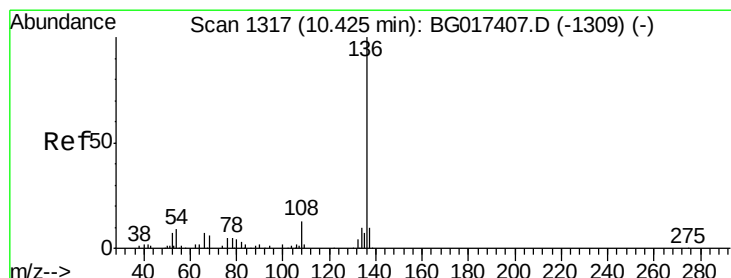
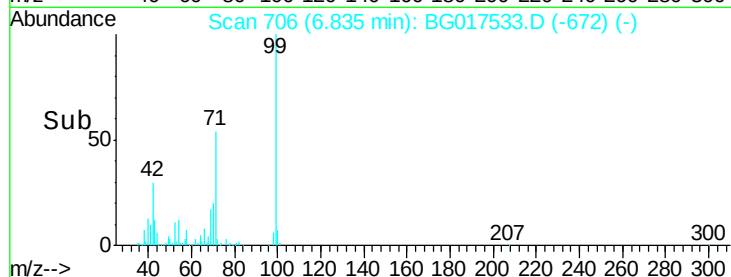
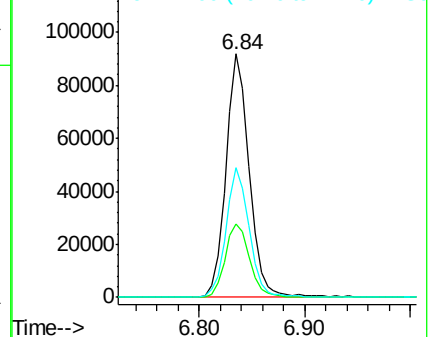
99 100

42 30.0 21.0 31.6

71 53.5 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: 10.42 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Tgt Ion: 136 Resp: 103665

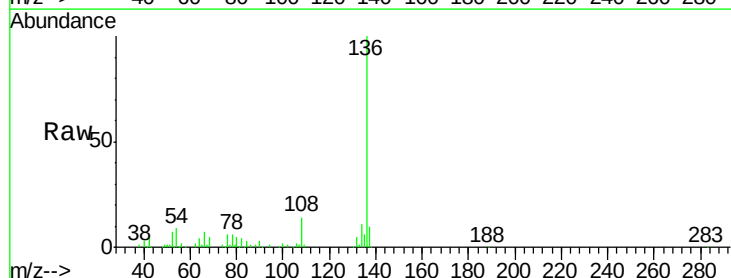
Ion Ratio Lower Upper

136 100

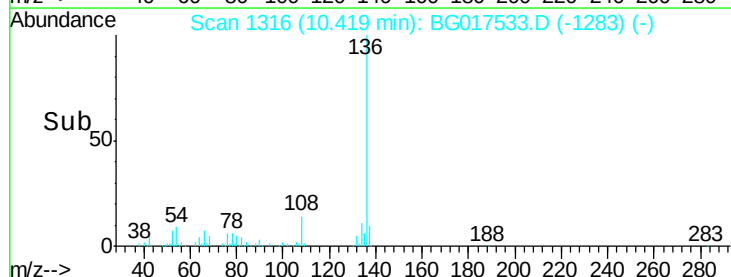
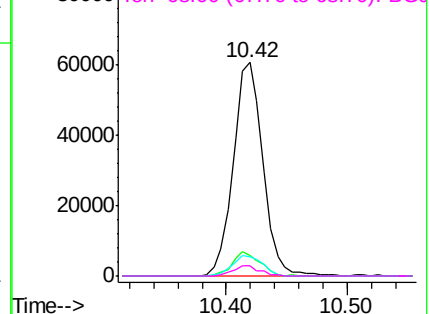
137 9.7 7.9 11.9

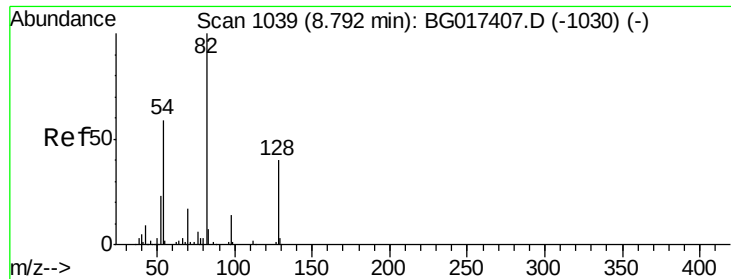
54 8.8 7.2 10.8

68 5.1 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

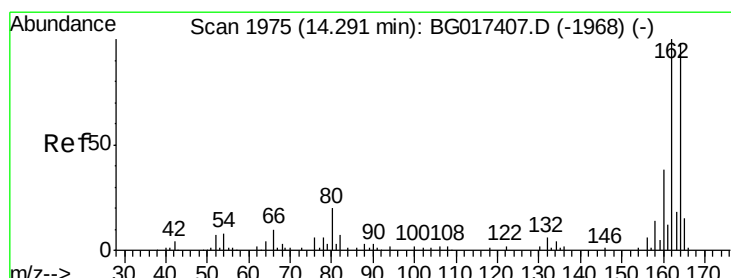
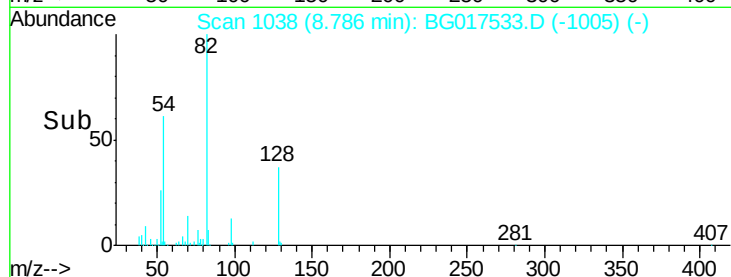
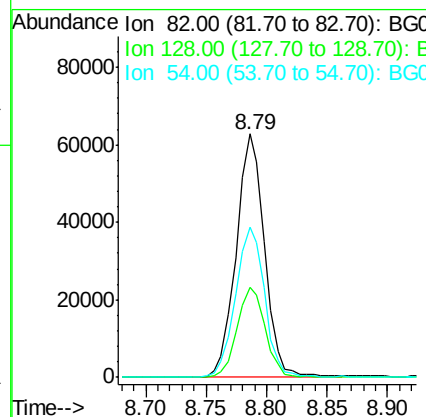
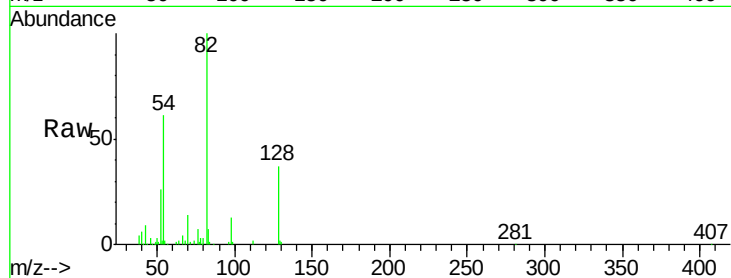




#23
 Nitrobenzene-d5
 Concen: 49.32 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

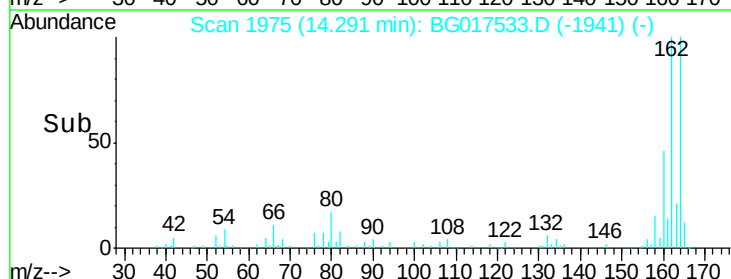
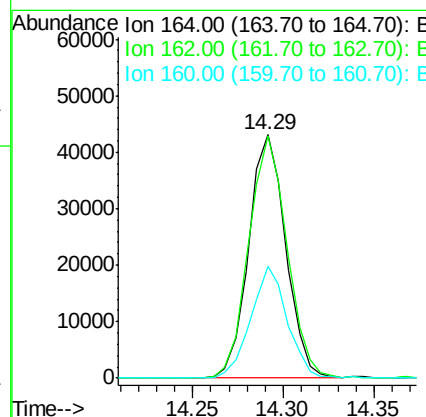
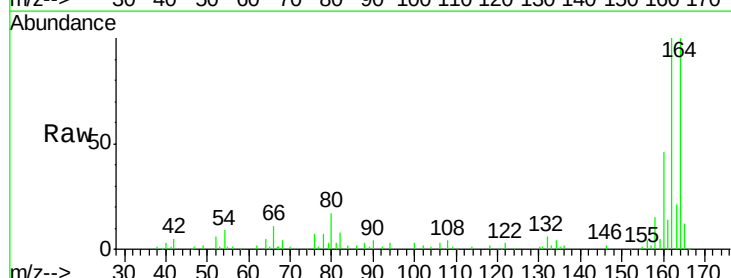
Instrument :
 BNA_G
 ClientSampleId :
 SP-7

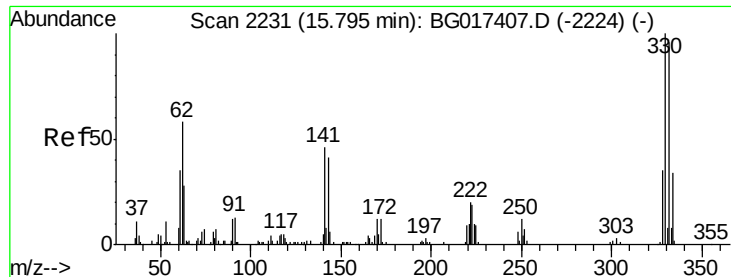
Tgt Ion: 82 Resp: 102426
 Ion Ratio Lower Upper
 82 100
 128 37.1 32.2 48.4
 54 61.5 47.4 71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

Tgt Ion: 164 Resp: 61033
 Ion Ratio Lower Upper
 164 100
 162 99.5 81.8 122.6
 160 45.7 31.0 46.4

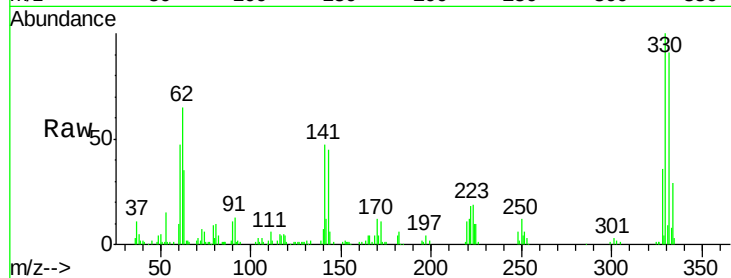




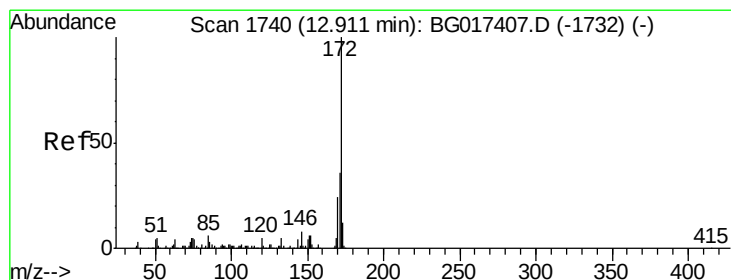
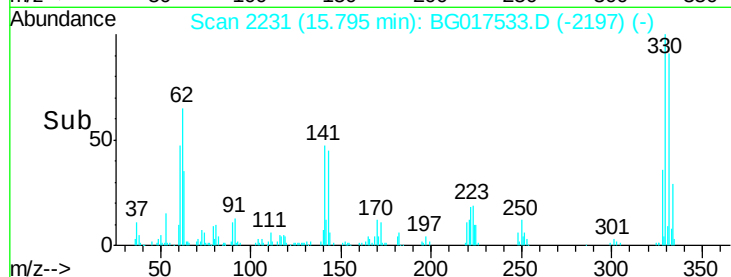
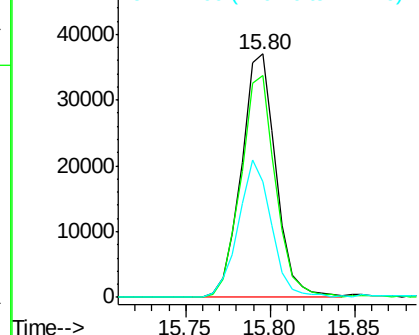
#41
 2,4,6-Tribromophenol
 Concen: 62.44 ng
 RT: 15.80 min Scan# 2231
 Delta R.T. -0.00 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampled :
 SP-7

Tgt Ion:330 Resp: 52935
 Ion Ratio Lower Upper
 330 100
 332 91.2 75.9 113.9
 141 53.6 40.2 60.4

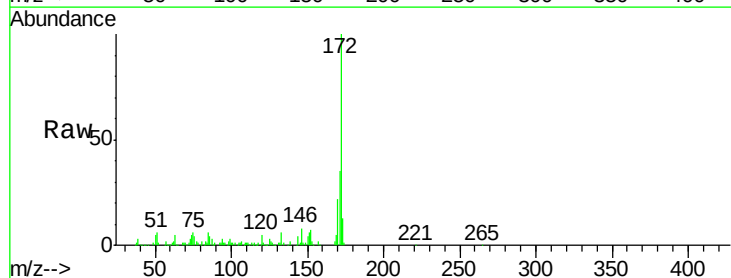


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

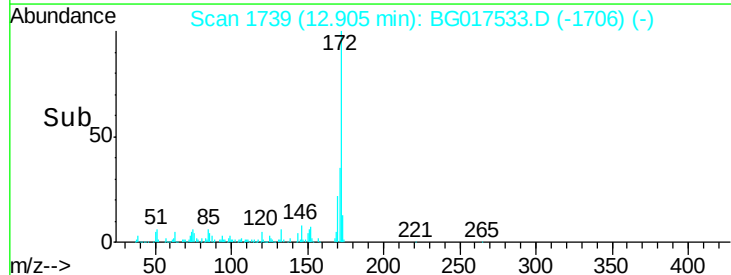
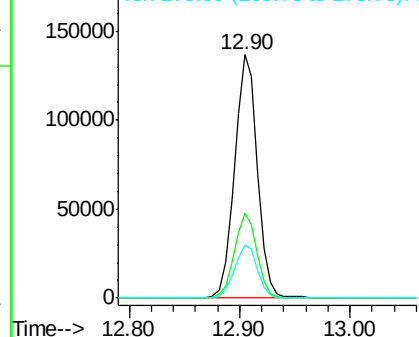


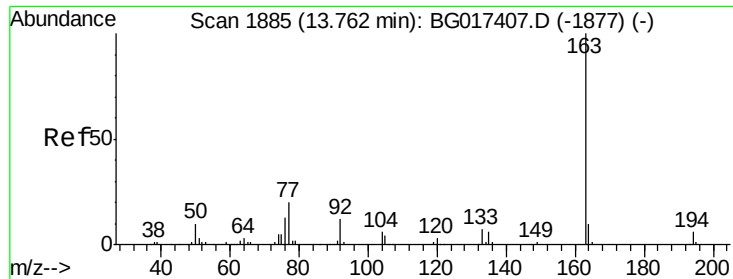
#44
 2-Fluorobiphenyl
 Concen: 48.81 ng
 RT: 12.90 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

Tgt Ion:172 Resp: 197493
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.0 43.6
 170 21.9 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





#49

Dimethylphthalate

Concen: 4.83 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

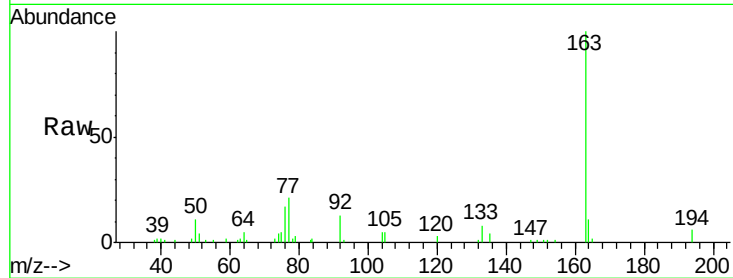
Tgt Ion:163 Resp: 25681

Ion Ratio Lower Upper

163 100

194 5.5 4.9 7.3

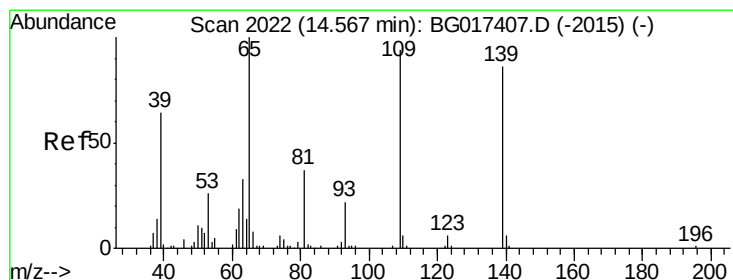
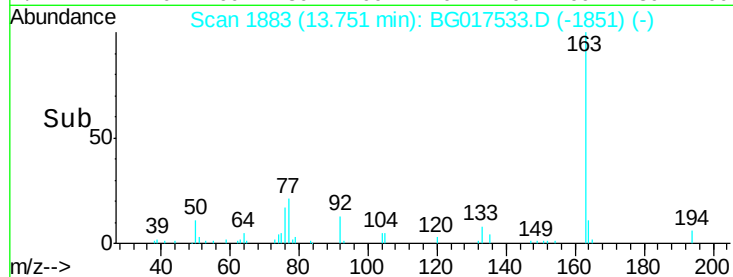
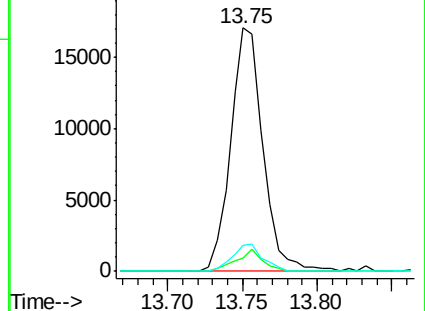
164 10.5 8.2 12.2



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: 4.39 ng

RT: 14.70 min Scan# 2044

Delta R.T. 0.13 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

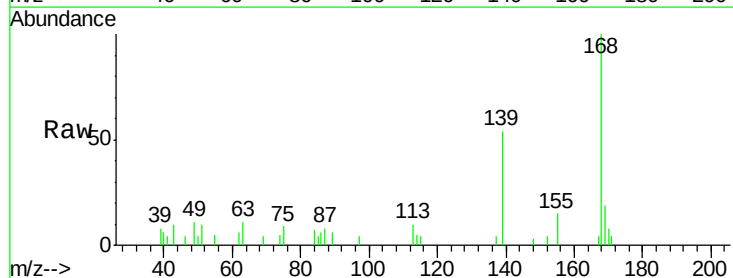
Tgt Ion:139 Resp: 3746

Ion Ratio Lower Upper

139 100

109 0.0 89.5 129.5#

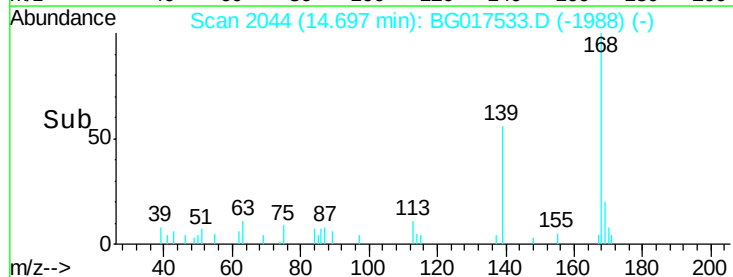
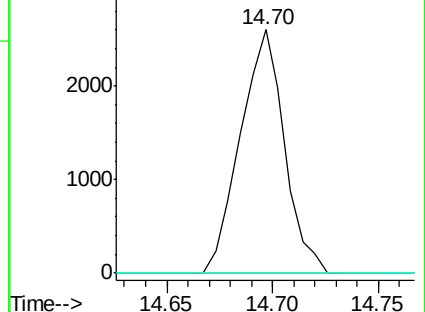
65 0.0 95.9 135.9#

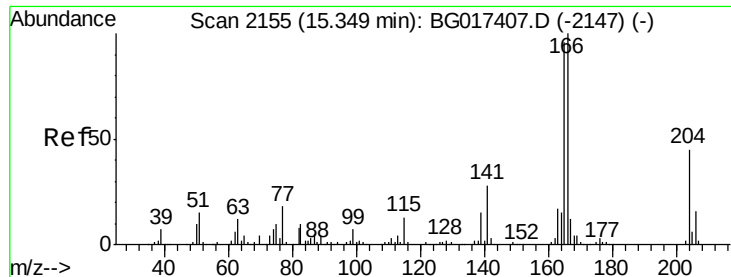


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

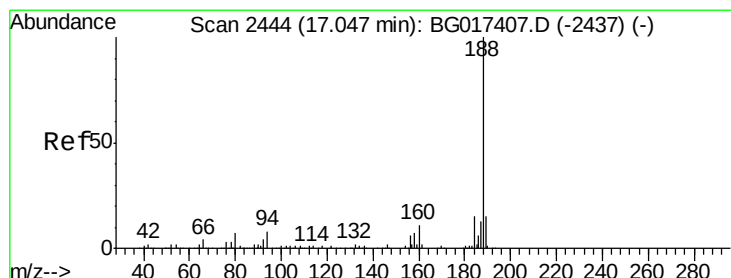
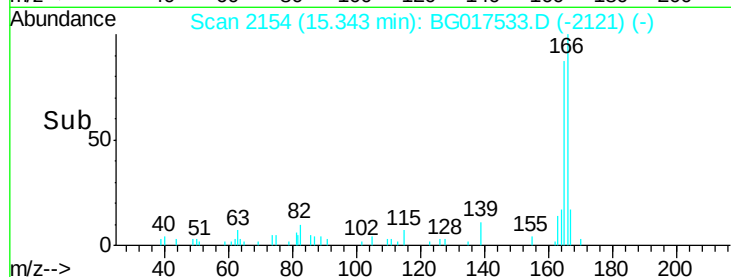
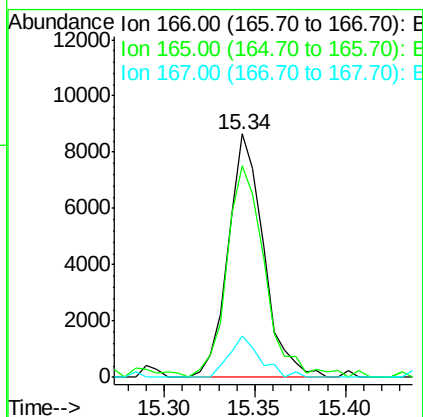
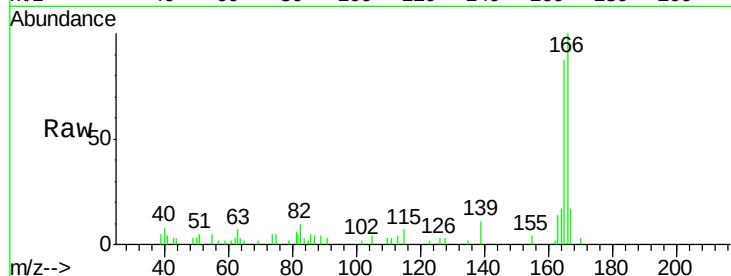




#57
 Fluorene
 Concen: 2.27 ng
 RT: 15.34 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

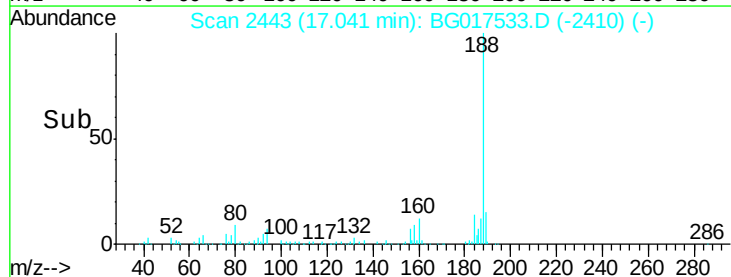
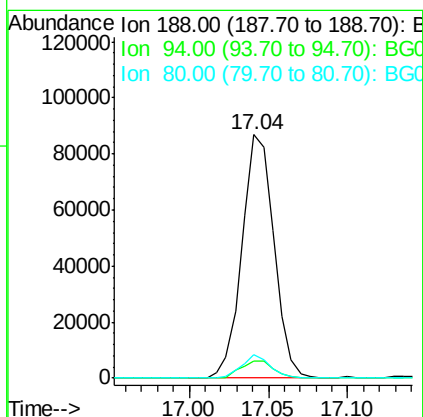
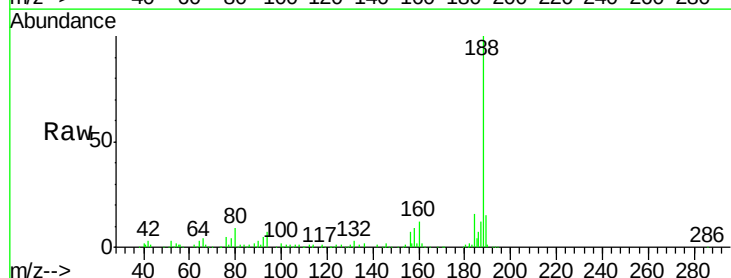
Instrument :
 BNA_G
 ClientSampleId :
 SP-7

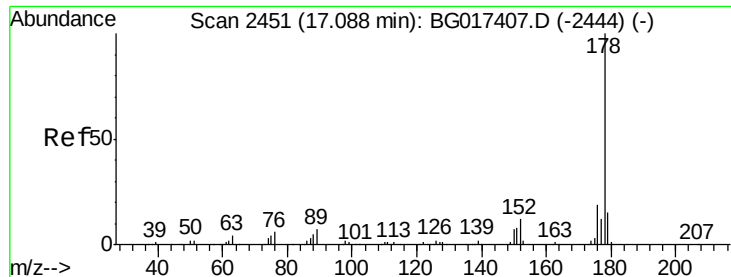
Tgt Ion:166 Resp: 11737
 Ion Ratio Lower Upper
 166 100
 165 86.7 76.8 115.2
 167 16.8 9.9 14.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.04 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

Tgt Ion:188 Resp: 121482
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.3 9.5
 80 9.5 5.2 7.8#





#70

Phenanthrene

Concen: 21.19 ng

RT: 17.09 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

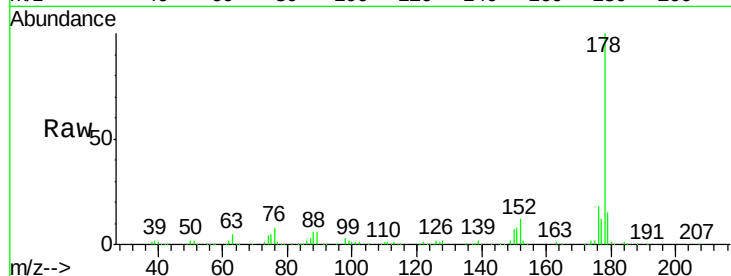
Tgt Ion:178 Resp: 143521

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

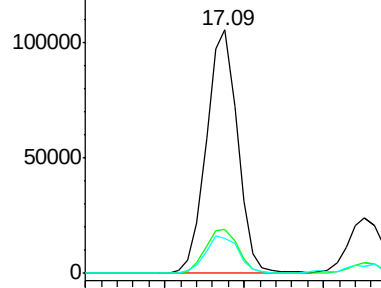
179 14.6 12.2 18.2



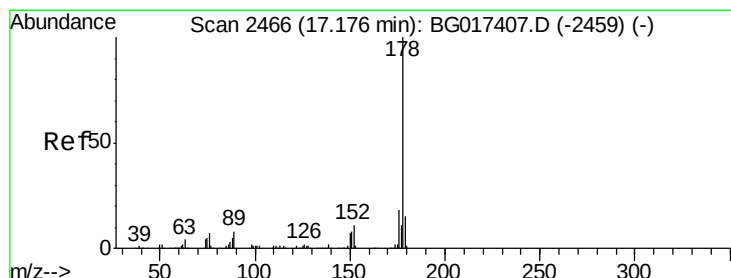
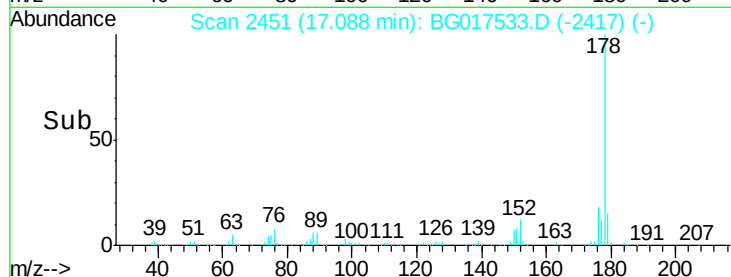
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.05 17.10 17.15



#71

Anthracene

Concen: 5.25 ng

RT: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

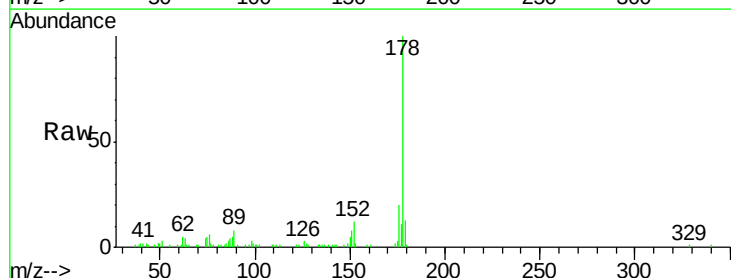
Tgt Ion:178 Resp: 35538

Ion Ratio Lower Upper

178 100

176 19.6 14.2 21.2

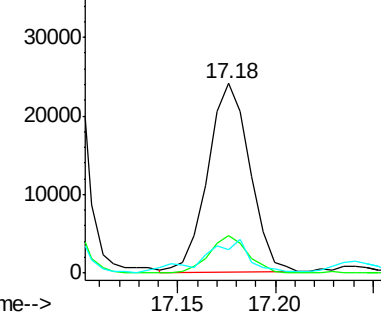
179 12.5 12.2 18.4



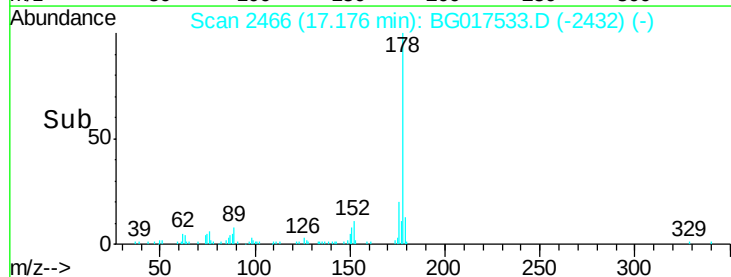
Abundance Ion 178.00 (177.70 to 178.70): E

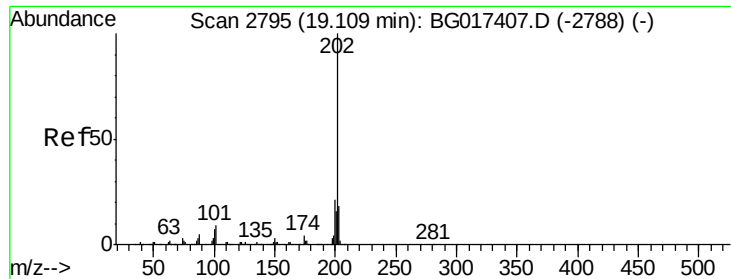
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.15 17.20





#74

Fluoranthene

Concen: 21.34 ng

RT: 19.11 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

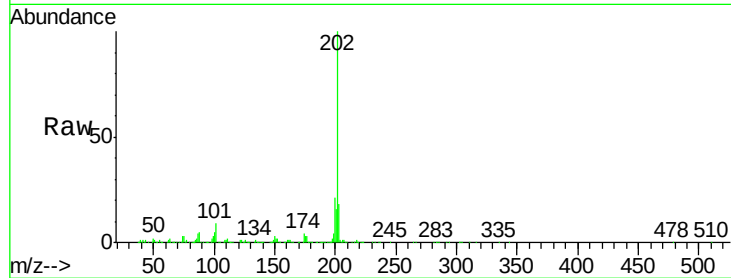
Tgt Ion:202 Resp: 189043

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.8

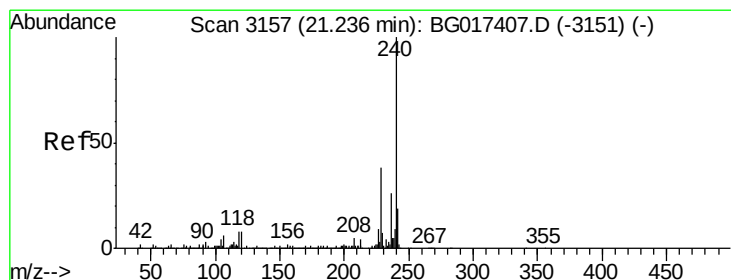
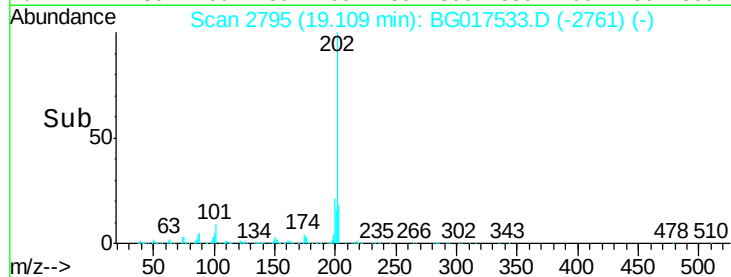
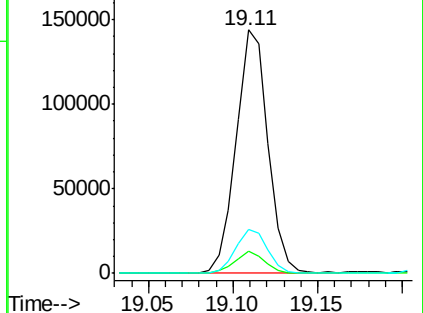
203 18.3 0.0 37.6



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: BG017533.D

Acq: 7 Jun 2015 13:59

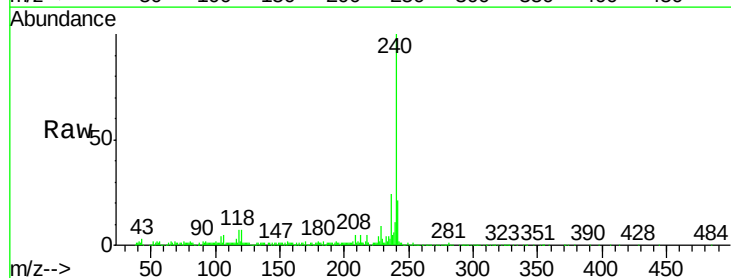
Tgt Ion:240 Resp: 139273

Ion Ratio Lower Upper

240 100

120 7.2 6.5 9.7

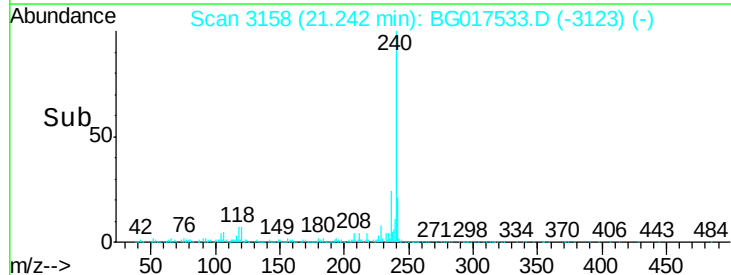
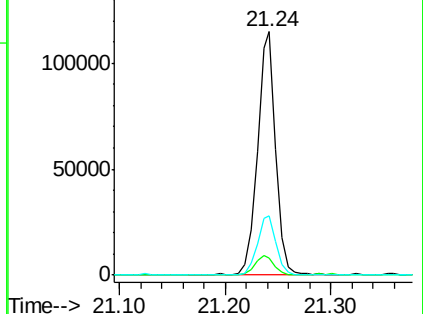
236 24.4 20.8 31.2

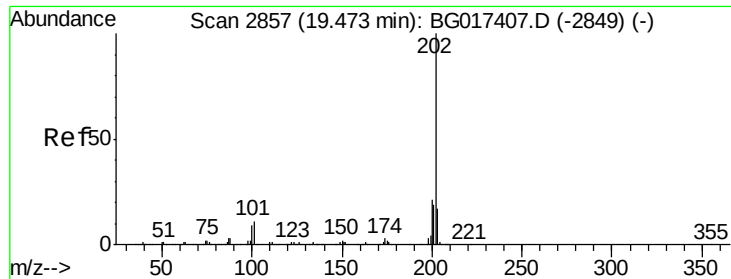


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.74 ng

RT: 19.47 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

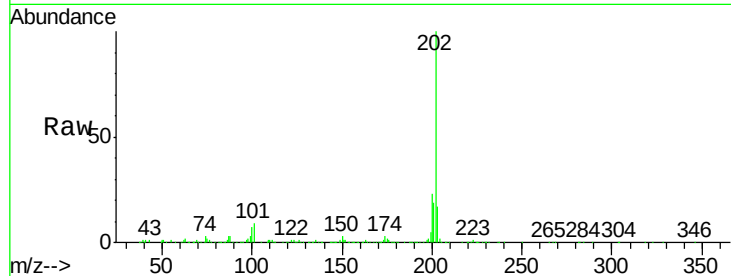
Tgt Ion:202 Resp: 169349

Ion Ratio Lower Upper

202 100

200 22.5 17.0 25.4

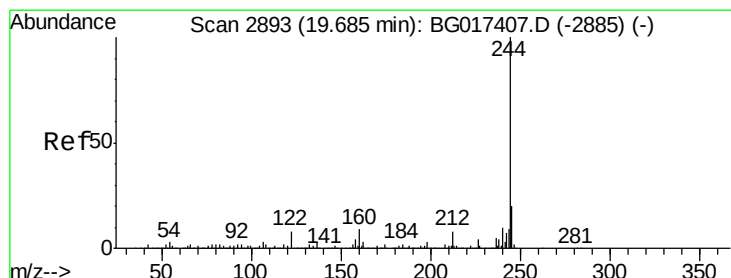
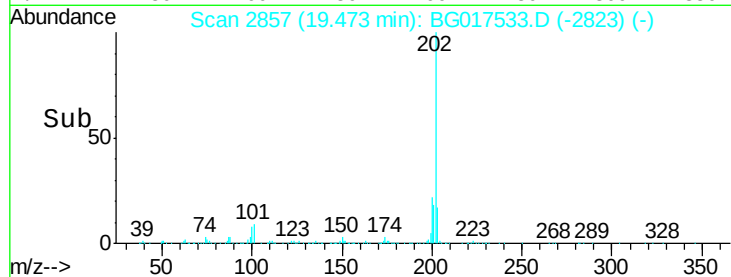
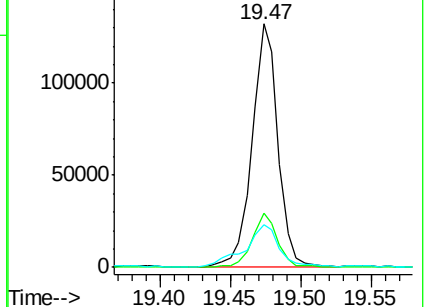
203 17.3 13.9 20.9



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: 35.93 ng

RT: 19.68 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

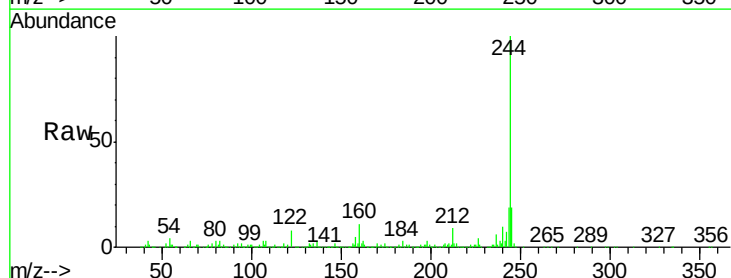
Tgt Ion:244 Resp: 242103

Ion Ratio Lower Upper

244 100

212 8.7 6.4 9.6

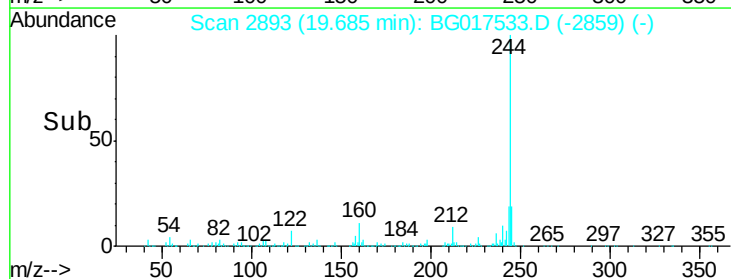
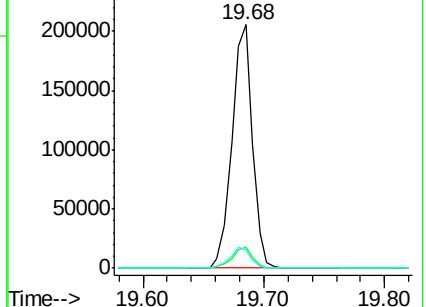
122 7.5 6.6 10.0

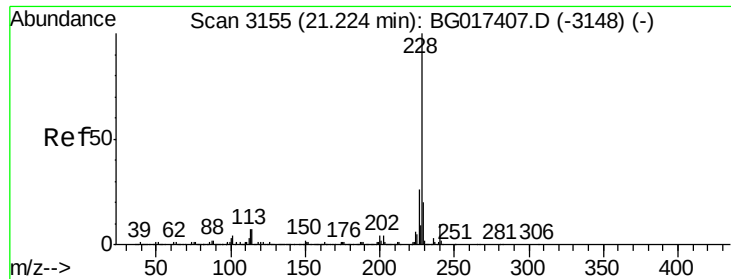


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.58 ng

RT: 21.22 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

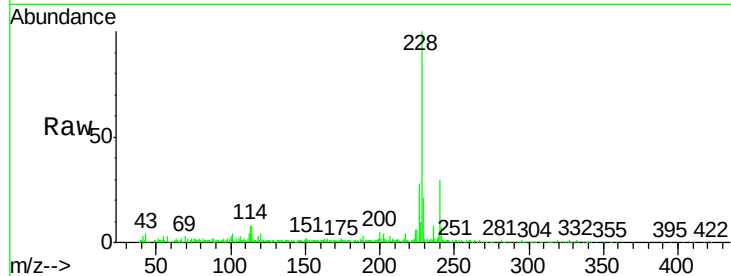
Tgt Ion:228 Resp: 90646

Ion Ratio Lower Upper

228 100

226 27.8 21.0 31.6

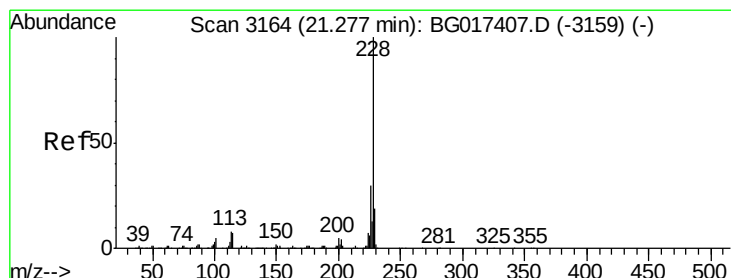
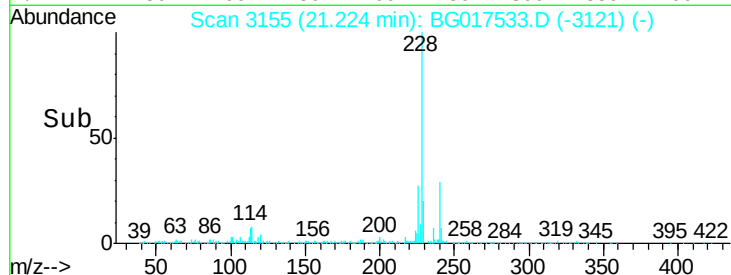
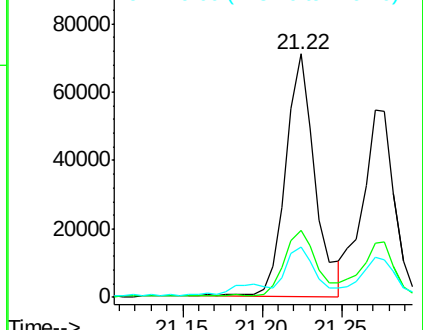
229 20.7 15.7 23.5



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: 9.92 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

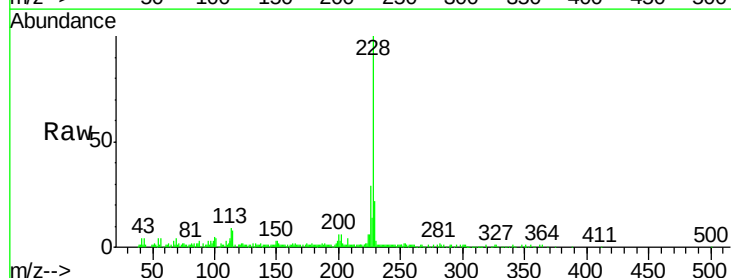
Tgt Ion:228 Resp: 76952

Ion Ratio Lower Upper

228 100

226 29.1 23.7 35.5

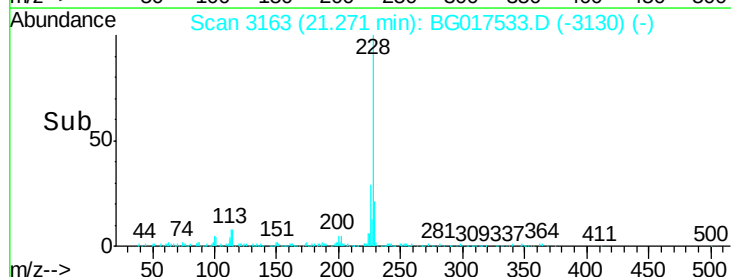
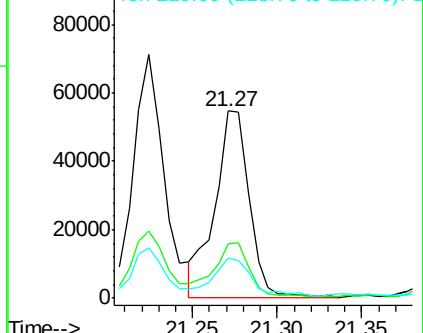
229 21.7 15.2 22.8

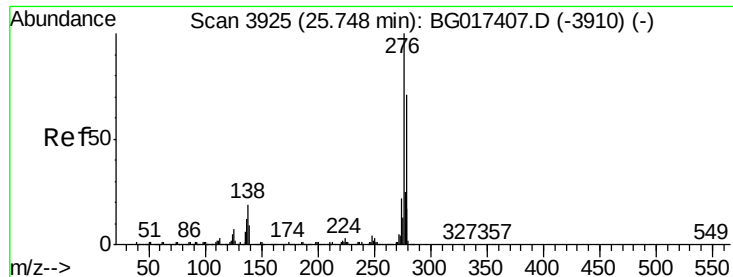


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

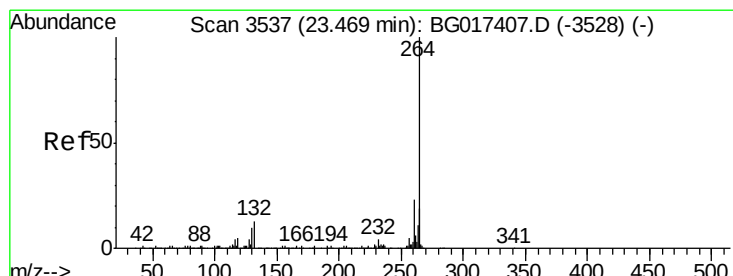
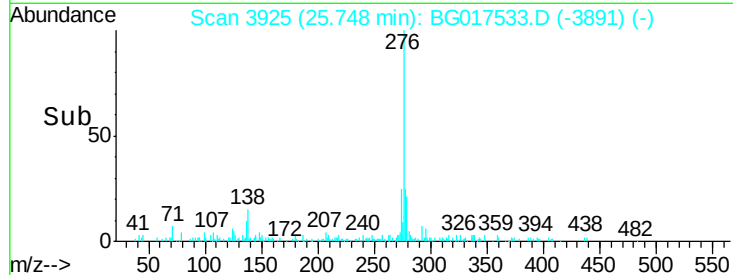
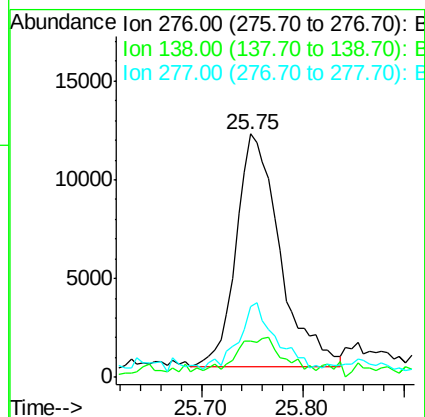
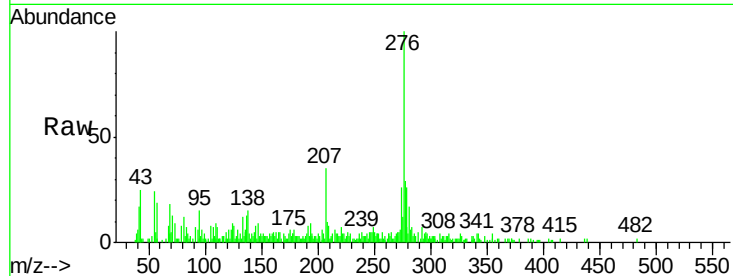




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.64 ng
 RT: 25.75 min Scan# 3925
 Delta R.T. -0.00 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

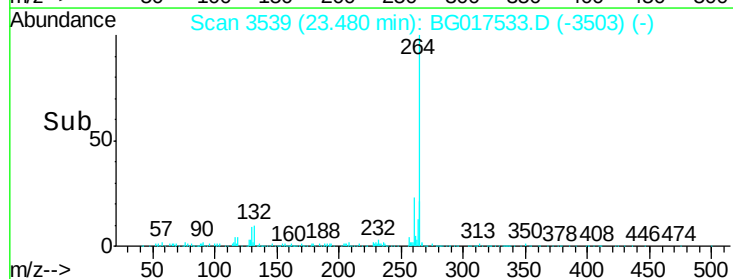
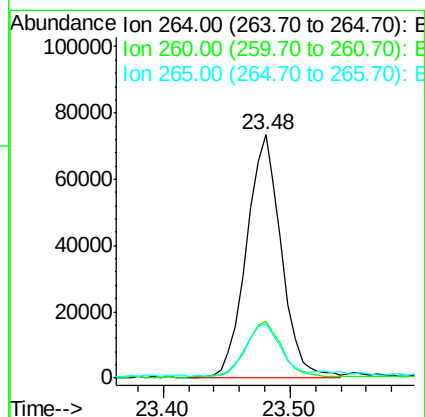
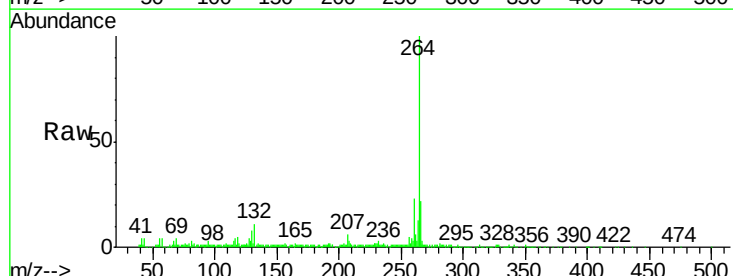
Instrument :
 BNA_G
 ClientSampleId :
 SP-7

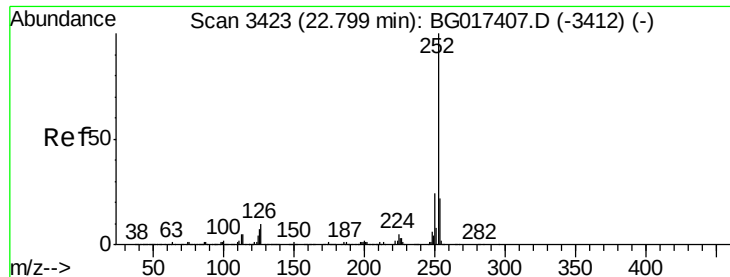
Tgt Ion:276 Resp: 35479
 Ion Ratio Lower Upper
 276 100
 138 15.9 15.4 23.0
 277 25.7 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.48 min Scan# 3539
 Delta R.T. 0.01 min
 Lab File: BG017533.D
 Acq: 7 Jun 2015 13:59

Tgt Ion:264 Resp: 139271
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.2 27.4
 265 22.0 15.8 23.6





#87

Benzo(b)fluoranthene

Concen: 10.98 ng

RT: 22.81 min Scan# 3425

Delta R.T. 0.01 min

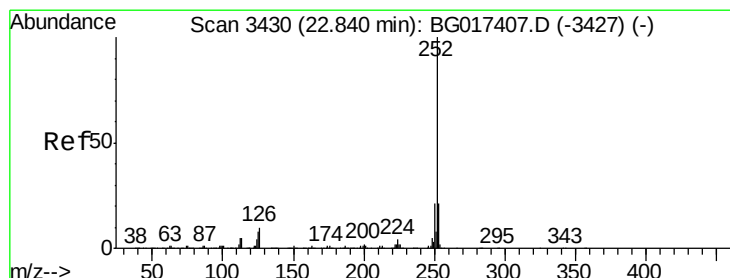
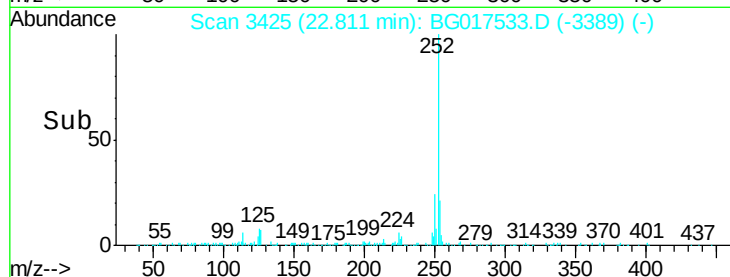
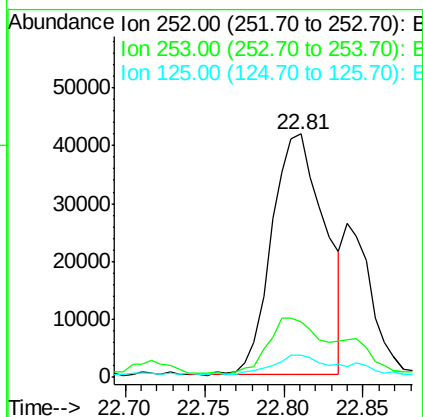
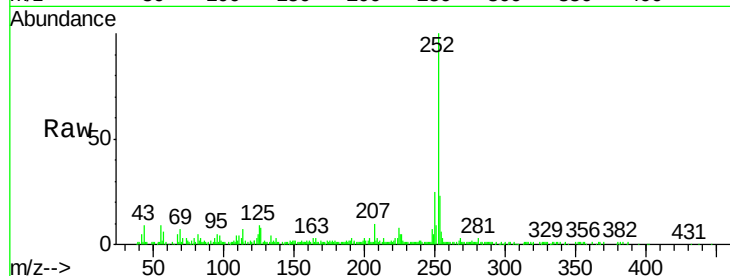
Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :
BNA_G
ClientSampleId :
SP-7

Tgt Ion:252 Resp: 96916

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	9.0	5.8	8.8#



#88

Benzo(k)fluoranthene

Concen: 11.48 ng

RT: 22.81 min Scan# 3425

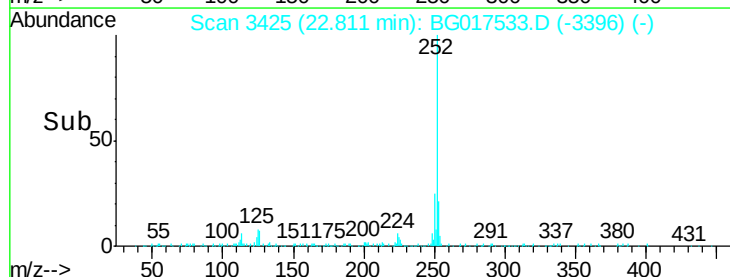
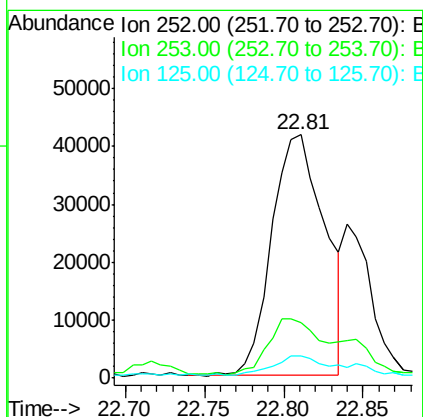
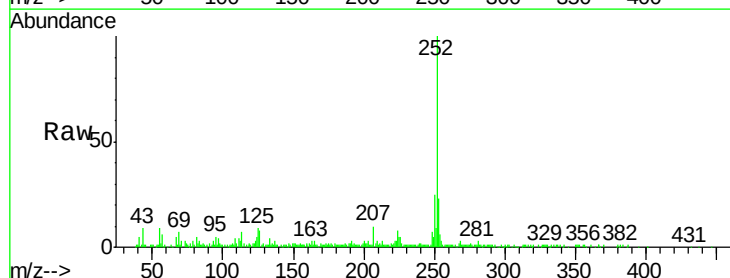
Delta R.T. -0.03 min

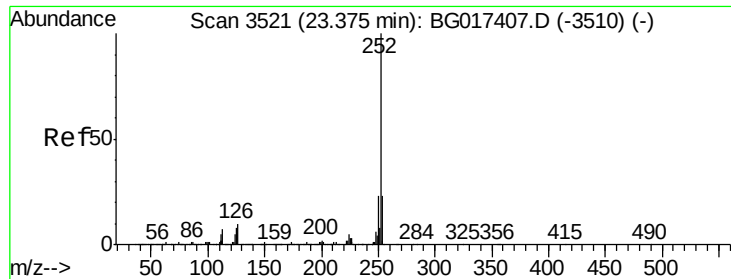
Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Tgt Ion:252 Resp: 96916

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	9.0	6.5	9.7





#89

Benzo(a)pyrene

Concen: 9.20 ng

RT: 23.38 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

SP-7

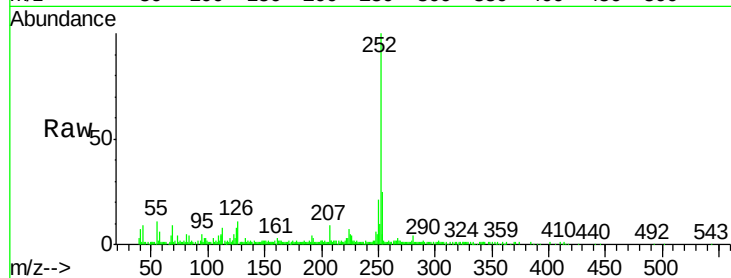
Tgt Ion:252 Resp: 74465

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

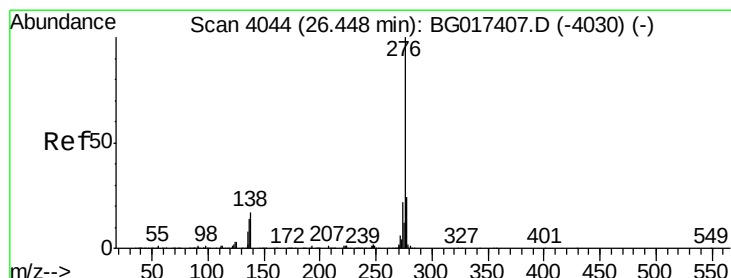
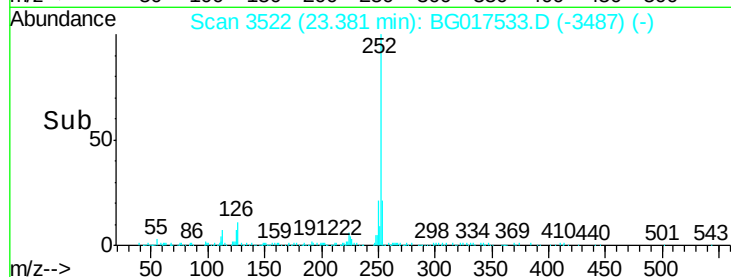
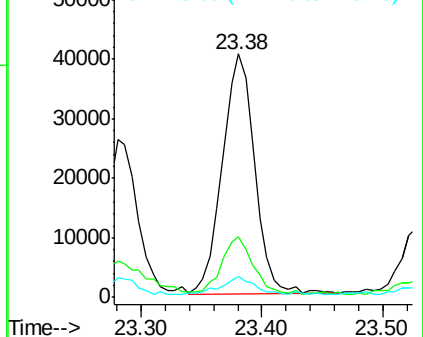
125 8.4 6.5 9.7



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



#91

Benzo(g,h,i)perylene

Concen: 4.04 ng

RT: 26.46 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BG017533.D

Acq: 7 Jun 2015 13:59

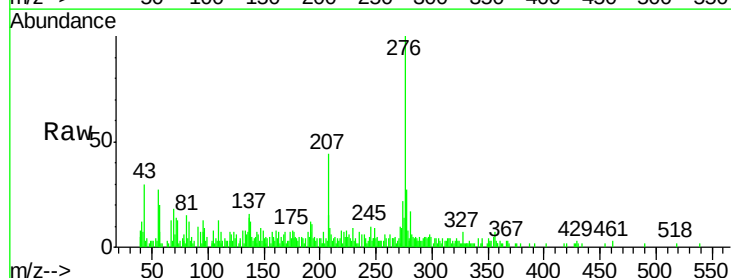
Tgt Ion:276 Resp: 32322

Ion Ratio Lower Upper

276 100

277 27.5 19.2 28.8

138 16.8 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

