

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017542.D
 Acq On : 8 Jun 2015 14:34
 Operator : TP/IZ
 Sample : G2464-18 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Jun 09 02:14:45 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	16651	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	69261	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	44179	20.00	ng	0.00
63) Phenanthrene-d10	17.03	188	96421	20.00	ng	0.00
75) Chrysene-d12	21.23	240	106878	20.00	ng	0.00
86) Perylene-d12	23.47	264	112688	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	16910	17.89	ng	0.00
7) Phenol-d6	6.82	99	24265	18.85	ng	0.00
23) Nitrobenzene-d5	8.78	82	18188	13.11	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	8102	13.20	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	40843	13.95	ng	0.00
78) Terphenyl-d14	19.67	244	64985	12.57	ng	0.00

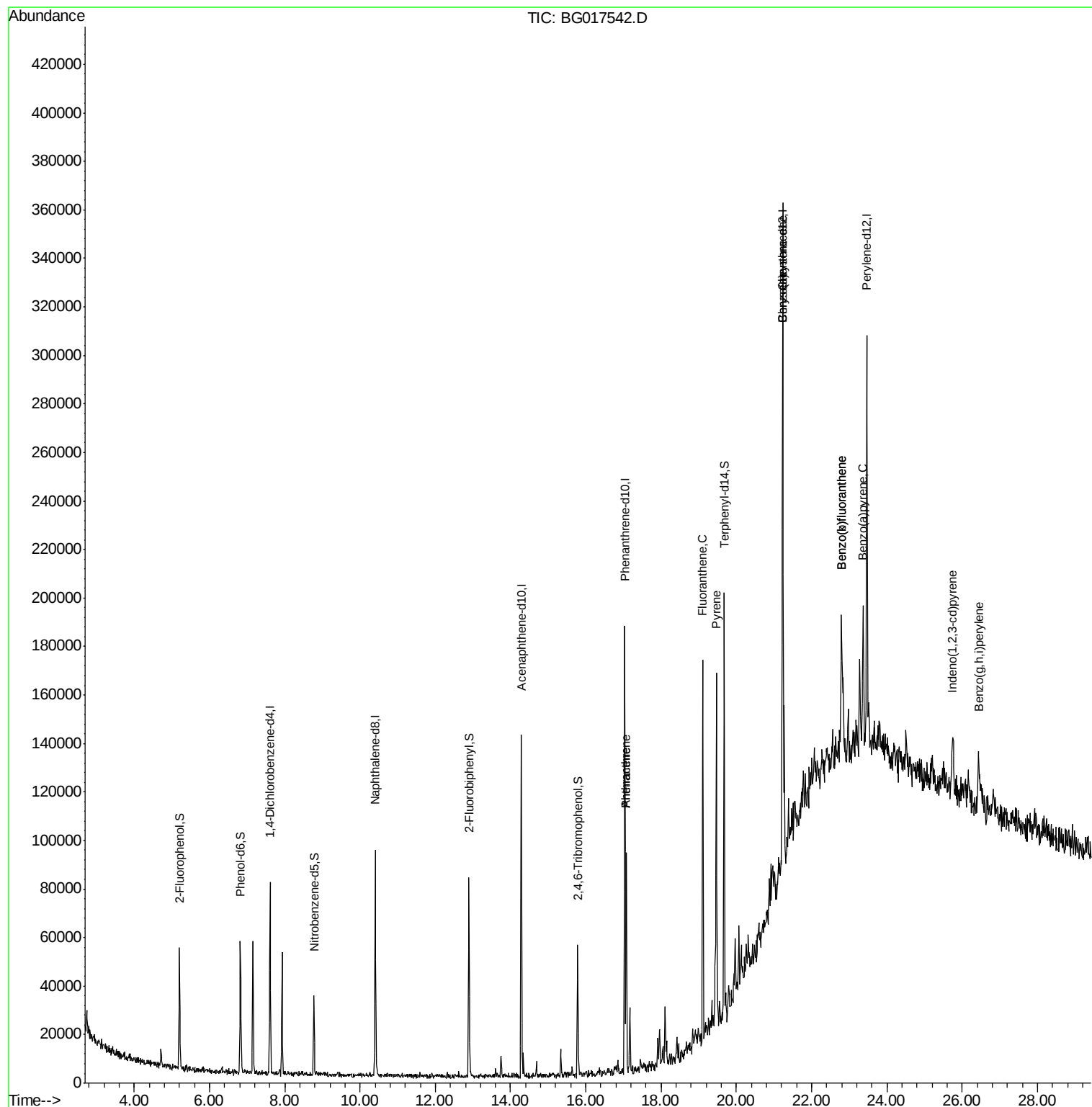
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	17.07	178	49226	9.16	ng	97
71) Anthracene	17.07	178	49226	9.17	ng	98
74) Fluoranthene	19.10	202	85148	12.11	ng	98
77) Pyrene	19.47	202	87131	13.23	ng	97
80) Benzo(a)anthracene	21.22	228	39857	6.06	ng	99
82) Chrysene	21.22	228	41488	6.97	ng	96
85) Indeno(1,2,3-cd)pyrene	25.73	276	20650	2.76	ng	# 93
87) Benzo(b)fluoranthene	22.79	252	63804	8.93	ng	# 92
88) Benzo(k)fluoranthene	22.79	252	63804	9.34	ng	# 93
89) Benzo(a)pyrene	23.36	252	37587	5.74	ng	# 97
91) Benzo(g,h,i)perylene	26.44	276	22021	3.40	ng	97

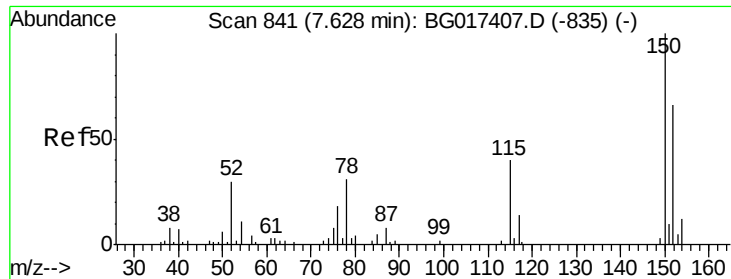
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017542.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Jun 09 02:14:45 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



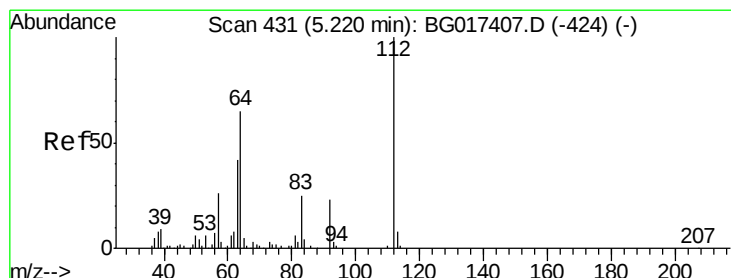
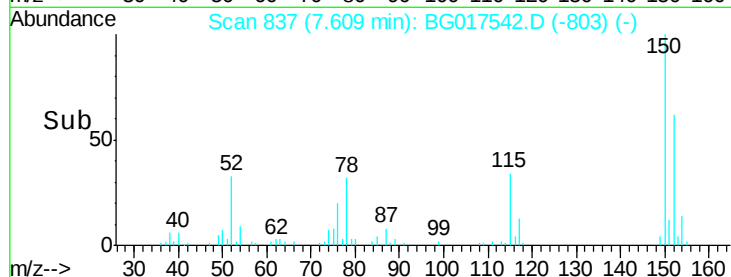
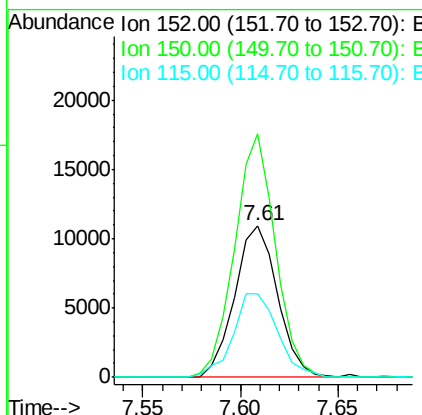
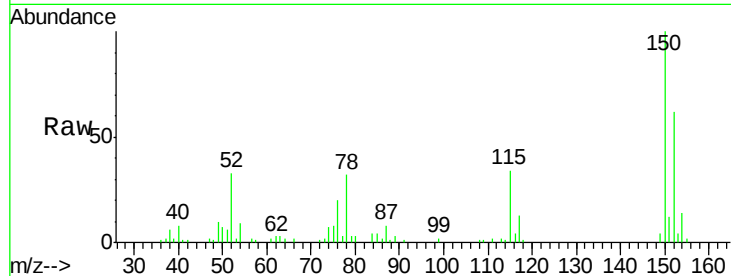


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

Instrument :
BNA_G
ClientSampled :
DFTPP

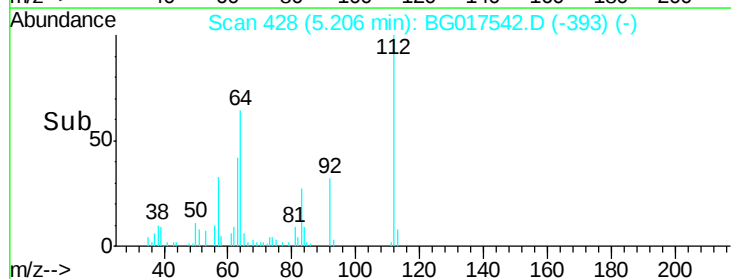
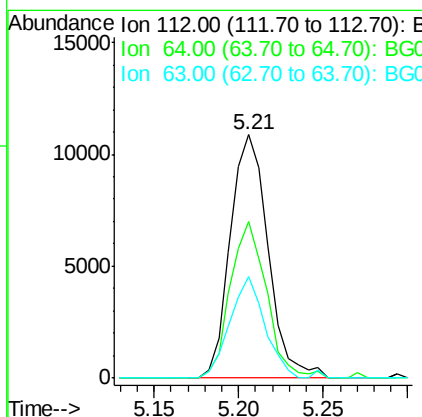
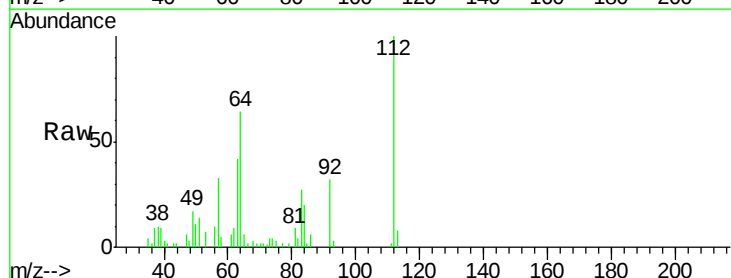
Tgt Ion:152 Resp: 16651
Ion Ratio Lower Upper
152 100
150 160.6 121.7 182.5
115 55.3 48.6 73.0



#5

2-Fluorophenol
Concen: 17.89 ng
RT: 5.21 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

Tgt Ion:112 Resp: 16910
Ion Ratio Lower Upper
112 100
64 64.3 51.6 77.4
63 41.8 33.3 49.9





#7

Phenol-d6

Concen: 18.85 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.00 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Instrument :

BNA_G

ClientSampleId :

DFTPP

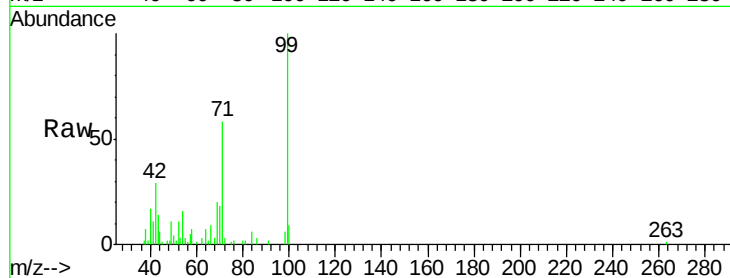
Tgt Ion: 99 Resp: 24265

Ion Ratio Lower Upper

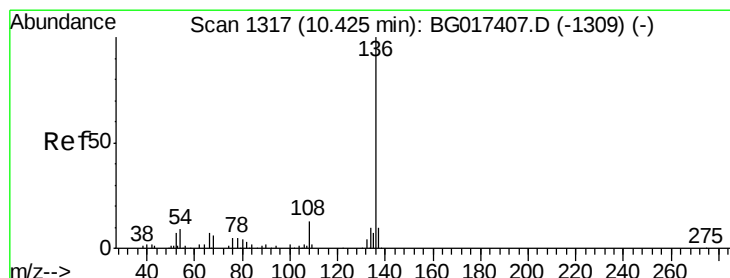
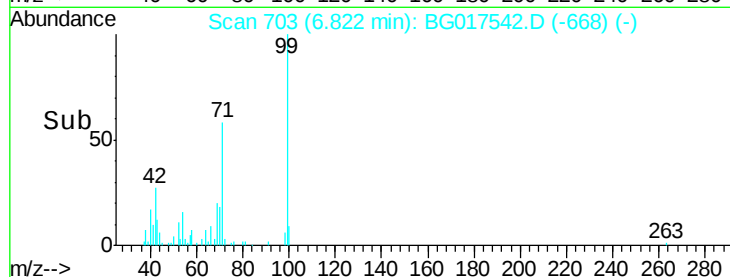
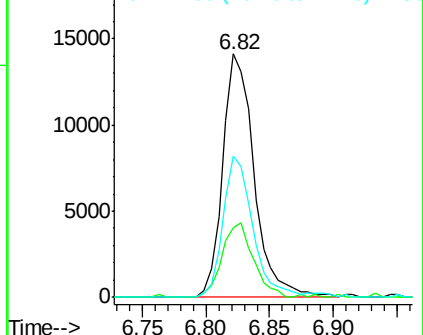
99 100

42 28.6 21.0 31.6

71 57.9 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# 1313

Delta R.T. 0.00 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Tgt Ion: 136 Resp: 69261

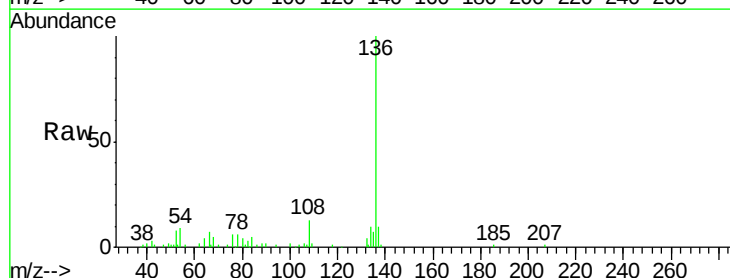
Ion Ratio Lower Upper

136 100

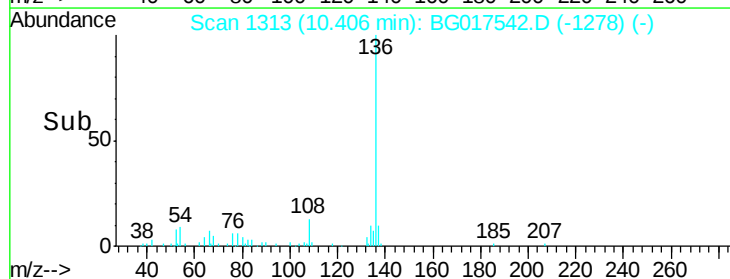
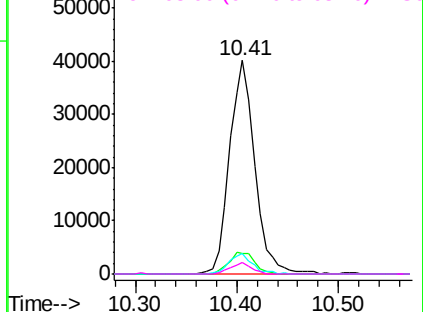
137 9.7 7.9 11.9

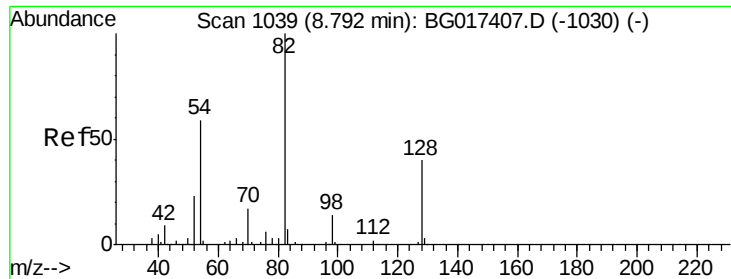
54 9.3 7.2 10.8

68 5.4 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

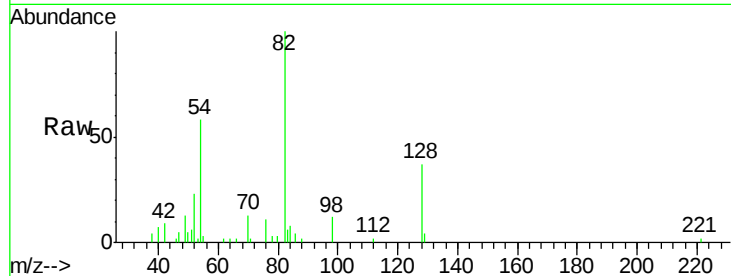




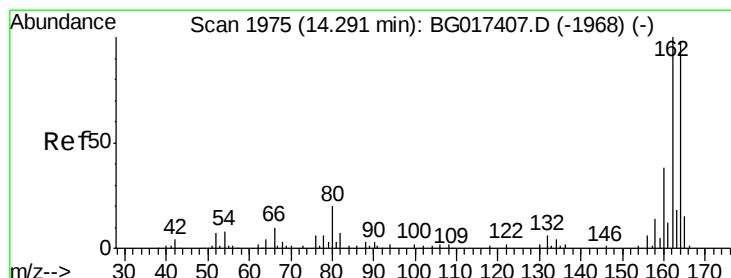
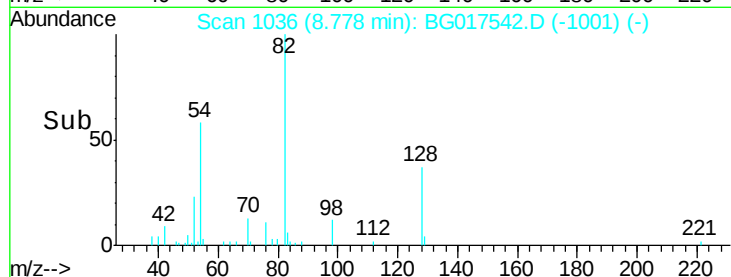
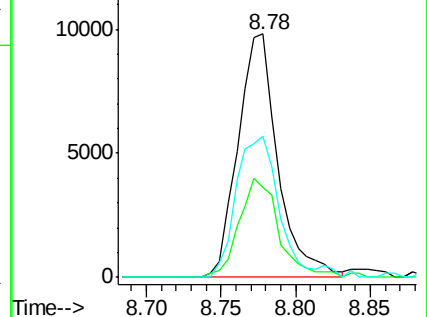
#23
 Nitrobenzene-d5
 Concen: 13.11 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion: 82 Resp: 18188
 Ion Ratio Lower Upper
 82 100
 128 36.9 32.2 48.4
 54 58.3 47.4 71.2

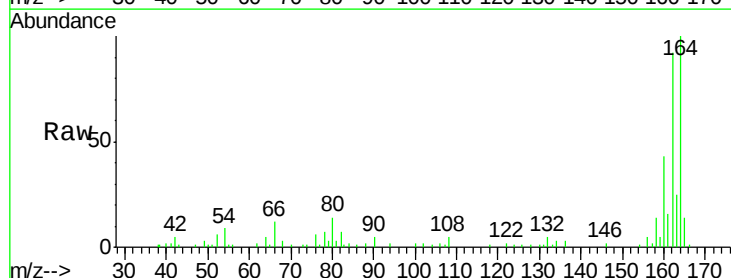


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

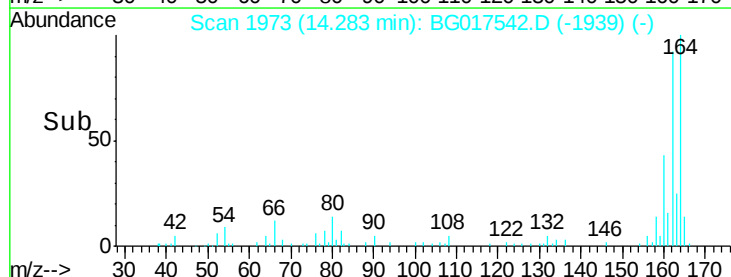
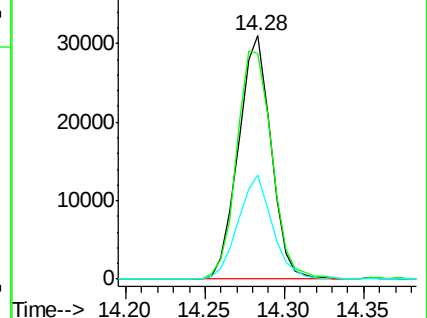


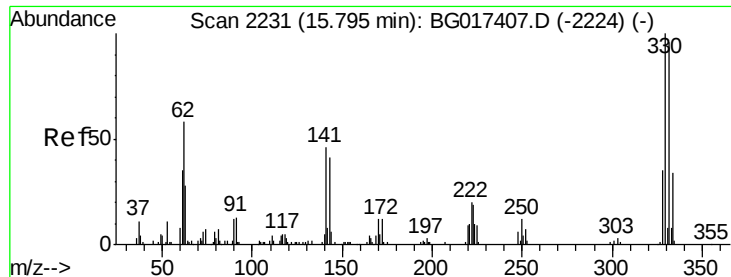
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

Tgt Ion: 164 Resp: 44179
 Ion Ratio Lower Upper
 164 100
 162 92.5 81.8 122.6
 160 42.5 31.0 46.4



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

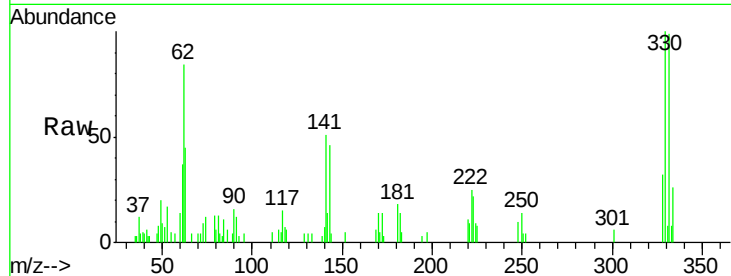




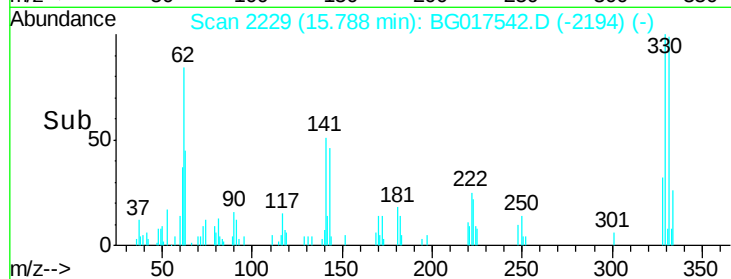
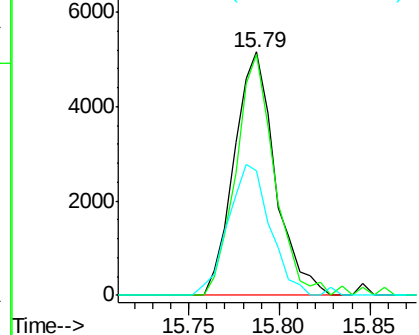
#41
 2,4,6-Tribromophenol
 Concen: 13.20 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion:330 Resp: 8102
 Ion Ratio Lower Upper
 330 100
 332 93.8 75.9 113.9
 141 55.1 40.2 60.4

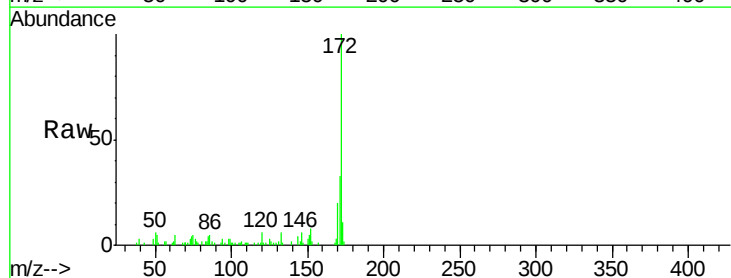


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

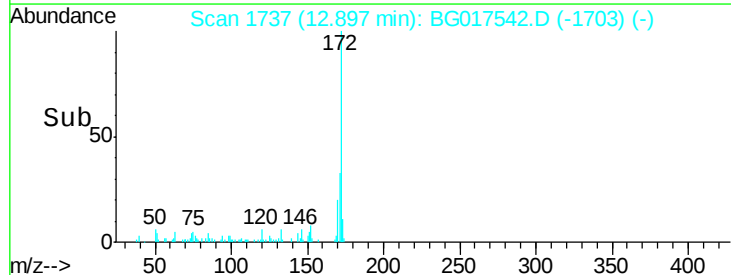
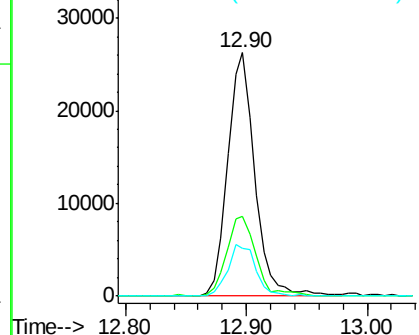


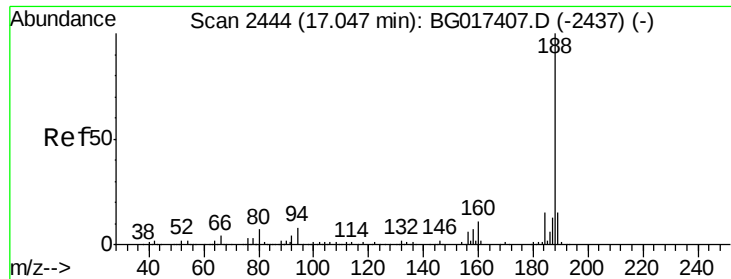
#44
 2-Fluorobiphenyl
 Concen: 13.95 ng
 RT: 12.90 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

Tgt Ion:172 Resp: 40843
 Ion Ratio Lower Upper
 172 100
 171 32.9 29.0 43.6
 170 19.8 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

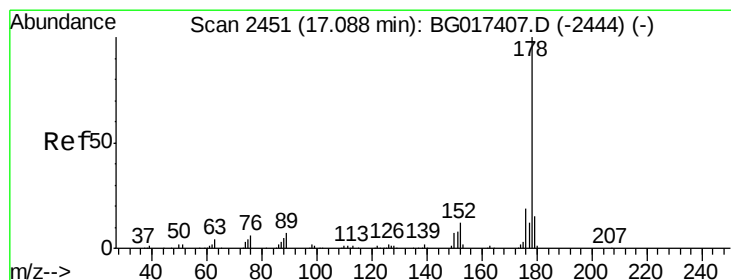
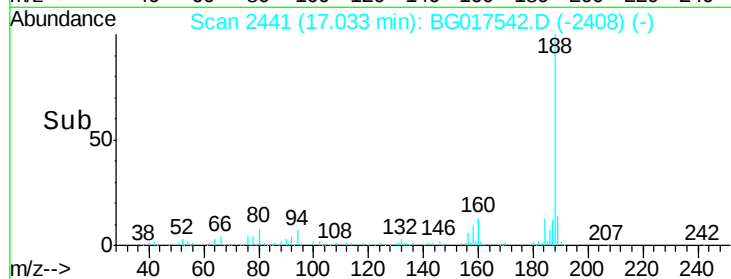
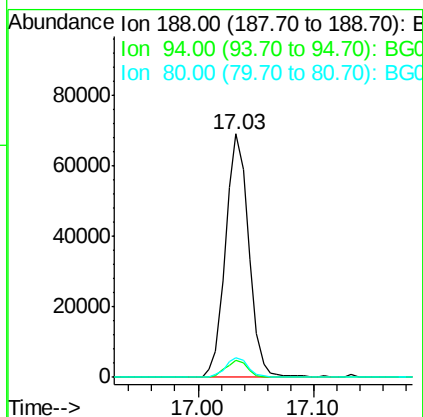
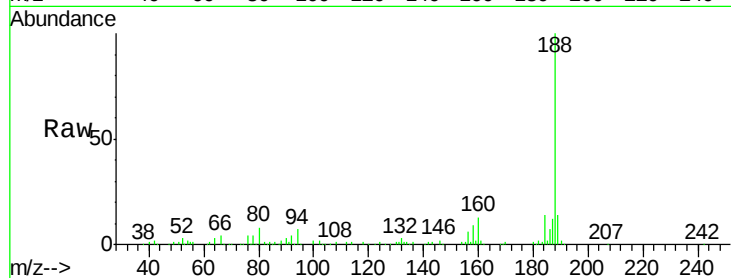




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.03 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

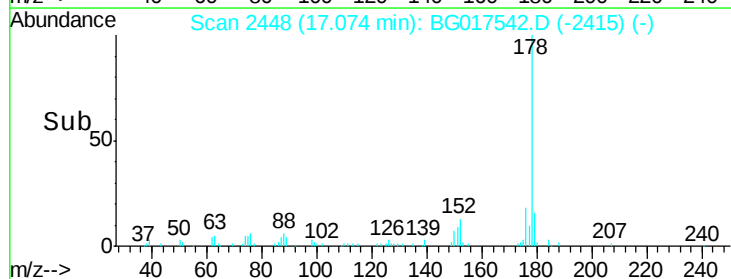
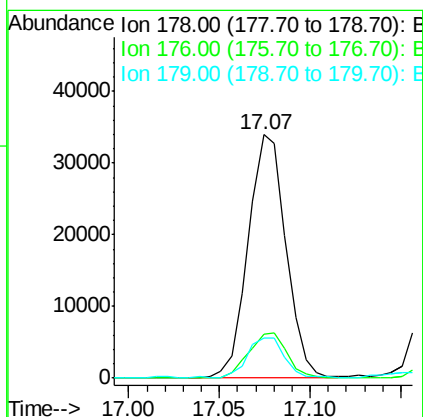
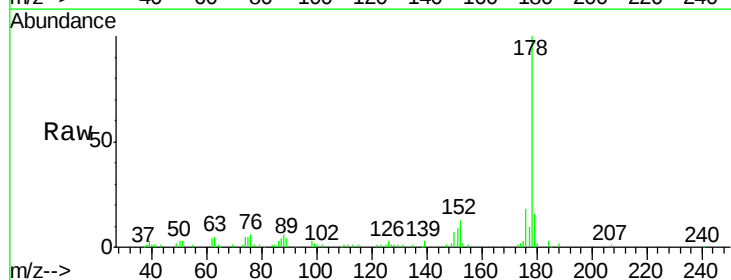
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DFTPP

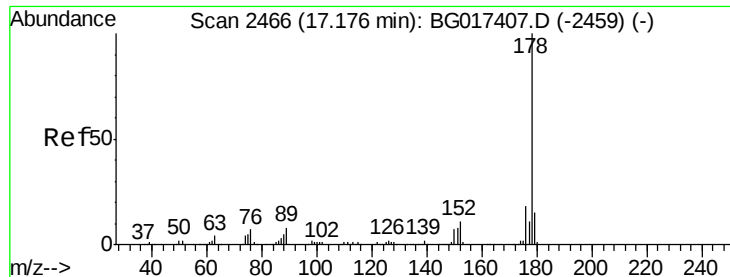
Tgt Ion:188 Resp: 96421
Ion Ratio Lower Upper
188 100
94 6.8 6.3 9.5
80 7.8 5.2 7.8#



#70
Phenanthrene
Concen: 9.16 ng
RT: 17.07 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

Tgt Ion:178 Resp: 49226
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 16.2 12.2 18.2

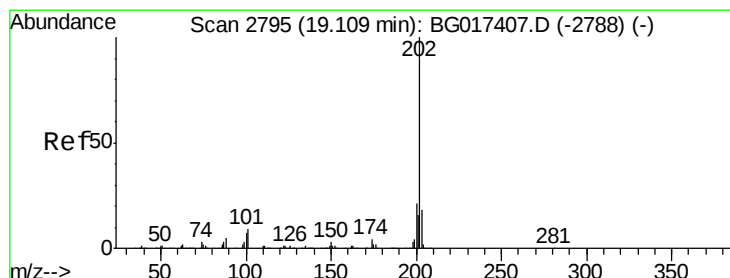
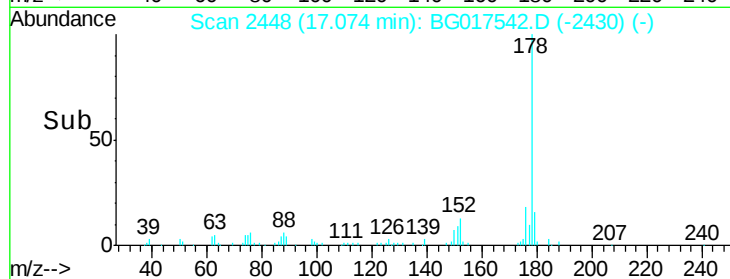
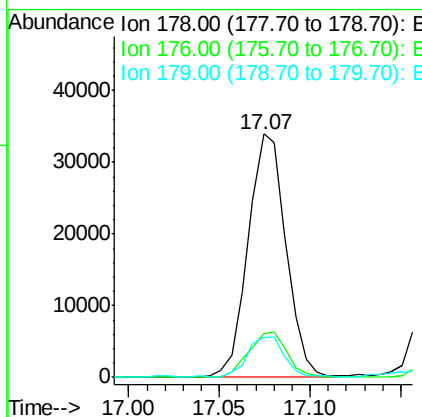
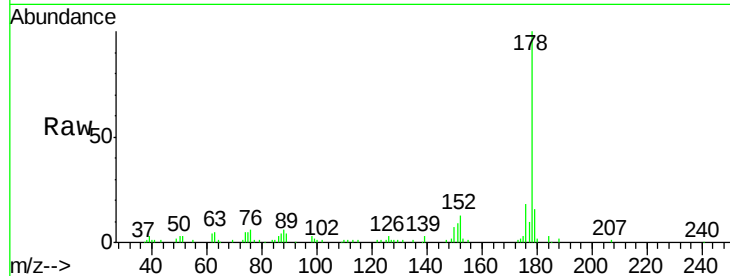




#71
 Anthracene
 Concen: 9.17 ng
 RT: 17.07 min Scan# 2448
 Delta R.T. -0.10 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

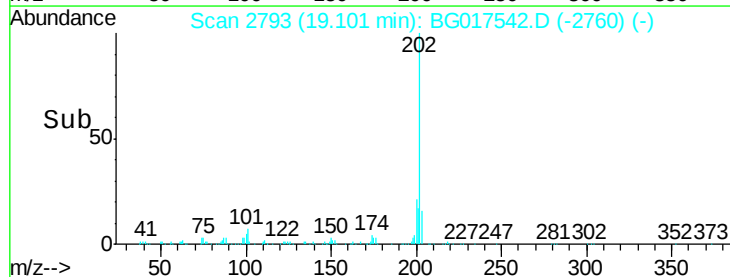
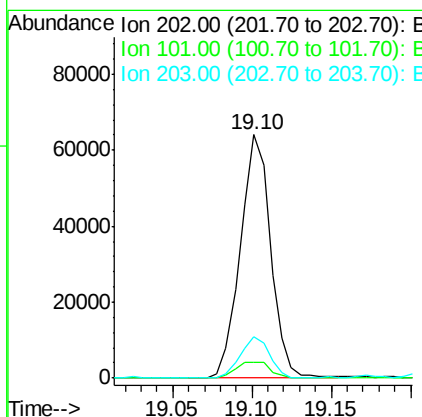
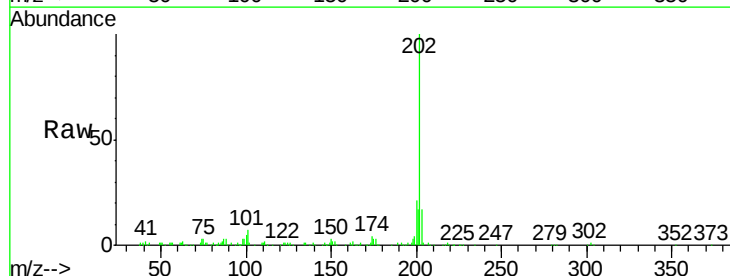
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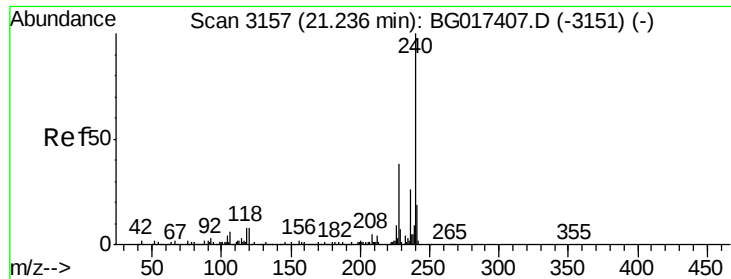
Tgt Ion:178 Resp: 49226
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.2 21.2
 179 16.2 12.2 18.4



#74
 Fluoranthene
 Concen: 12.11 ng
 RT: 19.10 min Scan# 2793
 Delta R.T. -0.01 min
 Lab File: BG017542.D
 Acq: 8 Jun 2015 14:34

Tgt Ion:202 Resp: 85148
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 28.8
 203 16.8 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Instrument :

BNA_G

ClientSampleId :

DFTPP

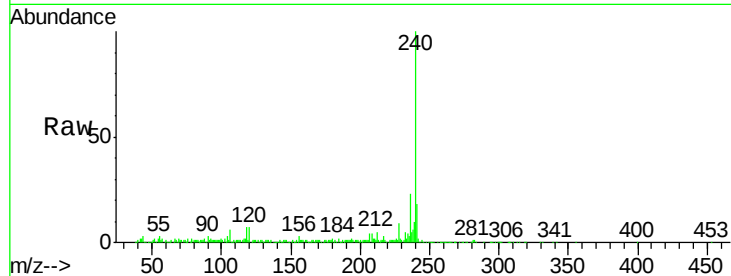
Tgt Ion:240 Resp: 106878

Ion Ratio Lower Upper

240 100

120 6.7 6.5 9.7

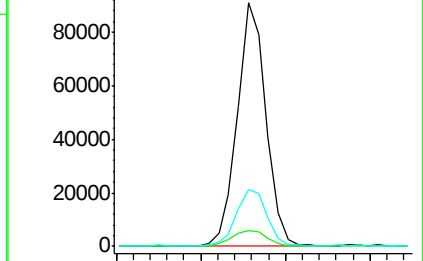
236 23.1 20.8 31.2



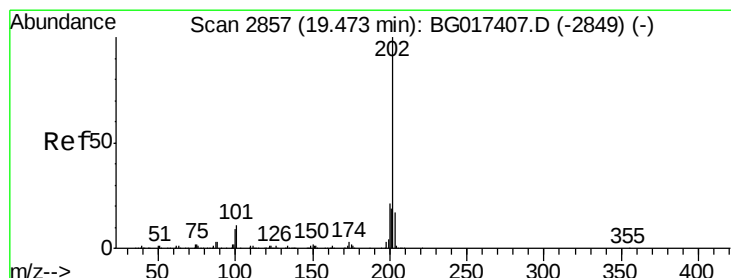
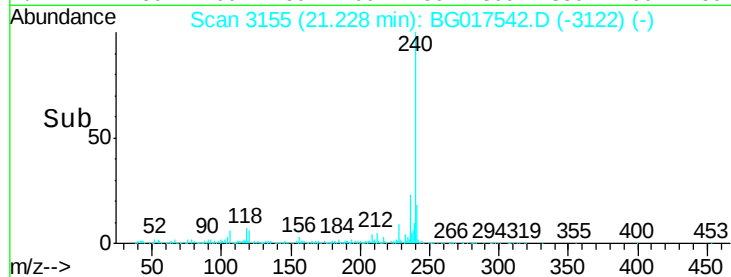
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.15 21.20 21.25 21.30



#77

Pyrene

Concen: 13.23 ng

RT: 19.47 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

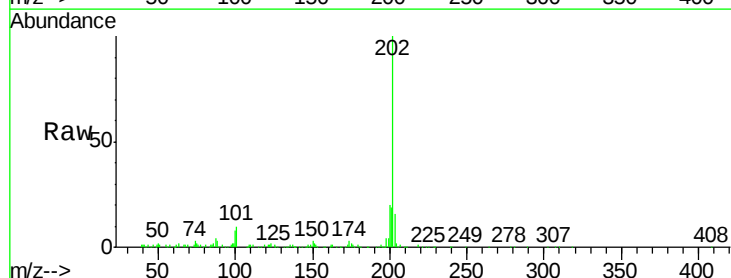
Tgt Ion:202 Resp: 87131

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

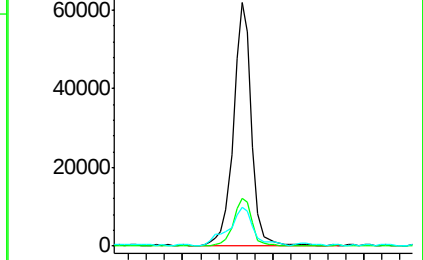
203 16.1 13.9 20.9



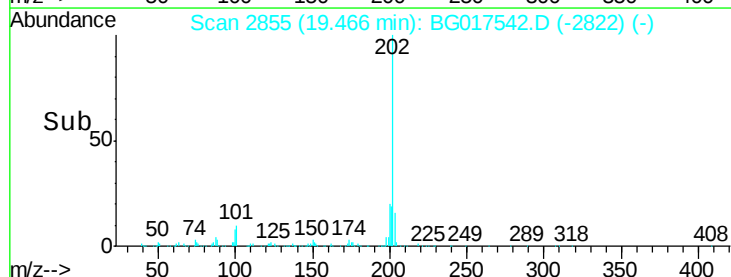
Abundance Ion 202.00 (201.70 to 202.70): E

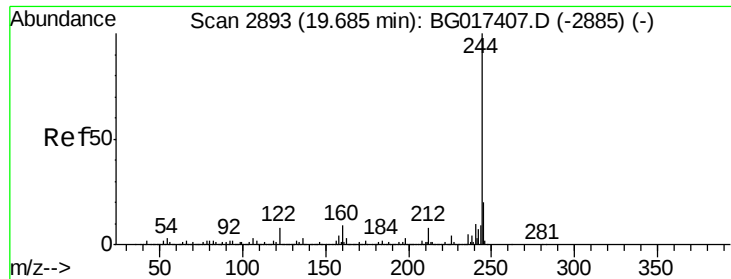
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.50 19.60





#78

Terphenyl-d14

Concen: 12.57 ng

RT: 19.67 min Scan# 2890

Delta R.T. -0.01 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Instrument :

BNA_G

ClientSampleId :

DFTPP

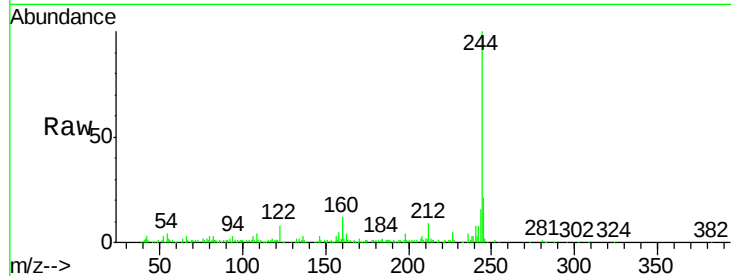
Tgt Ion:244 Resp: 64985

Ion Ratio Lower Upper

244 100

212 8.6 6.4 9.6

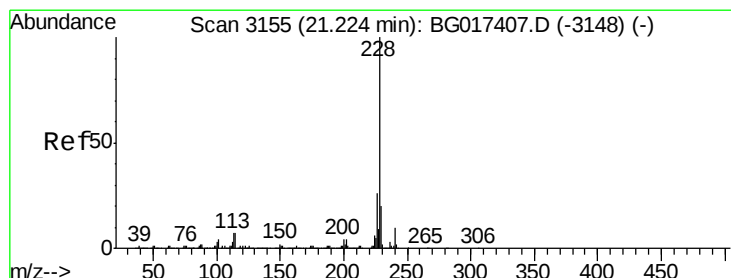
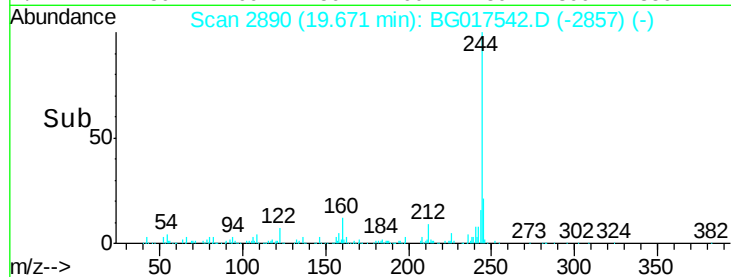
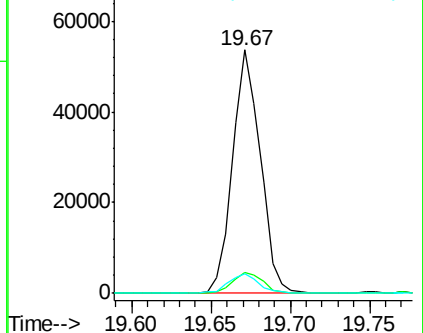
122 7.8 6.6 10.0



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: 6.06 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

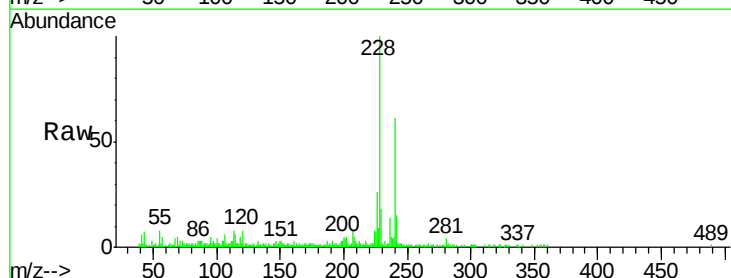
Tgt Ion:228 Resp: 39857

Ion Ratio Lower Upper

228 100

226 26.2 21.0 31.6

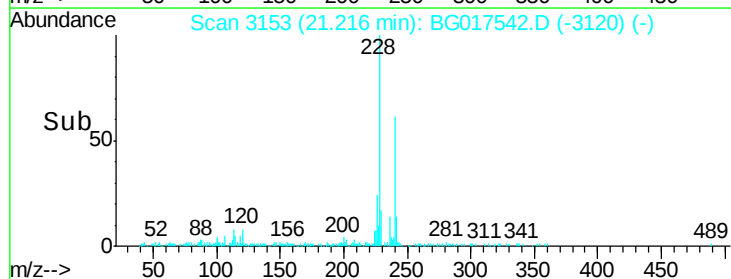
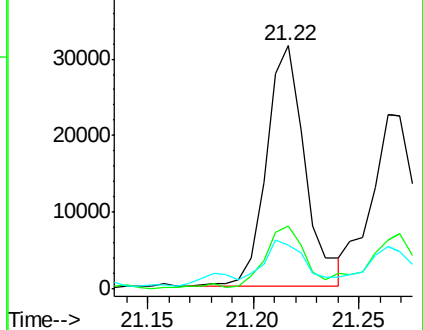
229 18.3 15.7 23.5

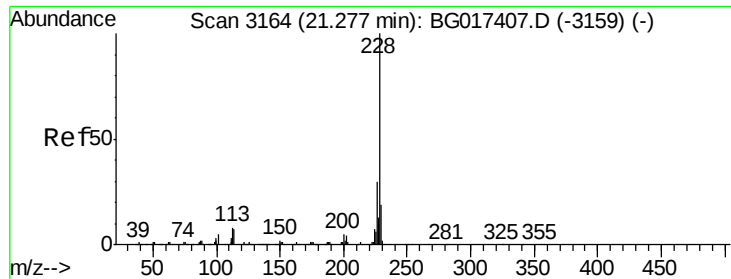


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.97 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.06 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Instrument :

BNA_G

ClientSampleId :

DFTPP

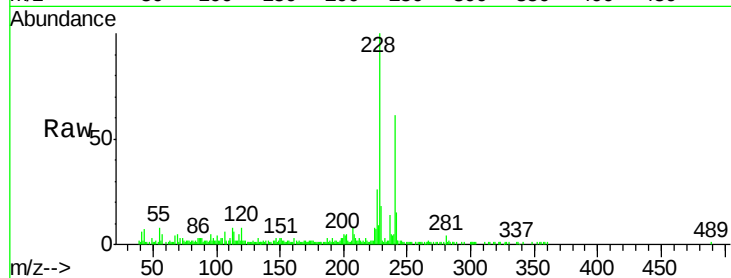
Tgt Ion:228 Resp: 41488

Ion Ratio Lower Upper

228 100

226 26.2 23.7 35.5

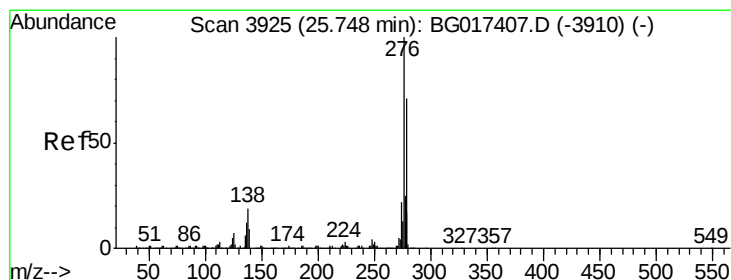
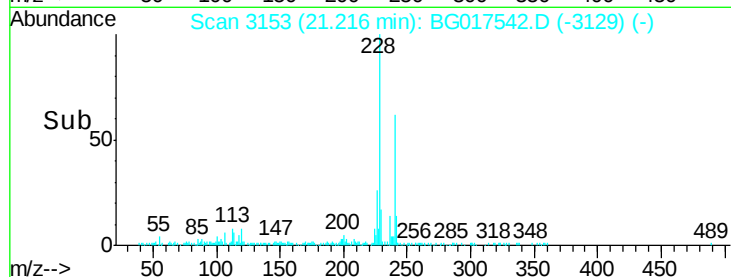
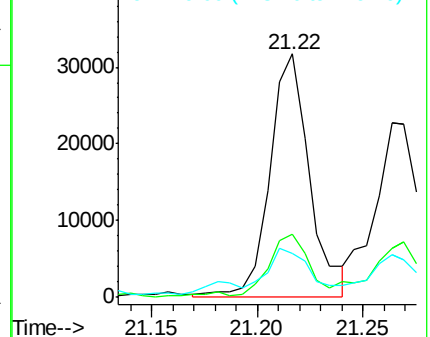
229 18.3 15.2 22.8



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: 2.76 ng

RT: 25.73 min Scan# 3922

Delta R.T. -0.03 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

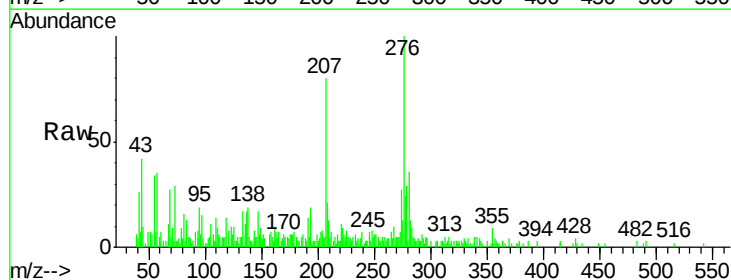
Tgt Ion:276 Resp: 20650

Ion Ratio Lower Upper

276 100

138 12.0 15.4 23.0#

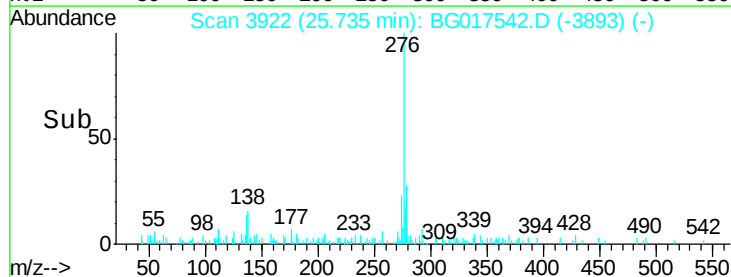
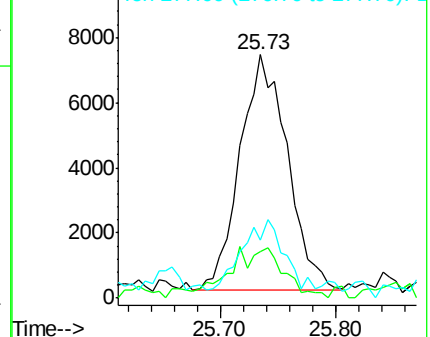
277 26.0 20.5 30.7

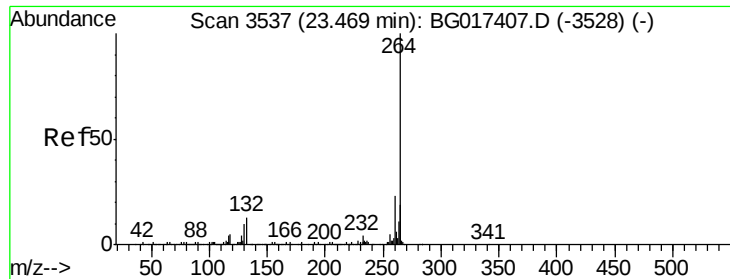


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

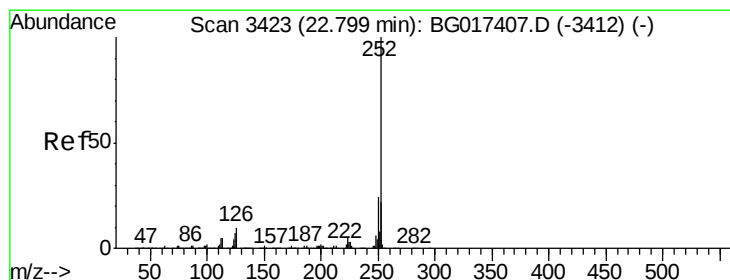
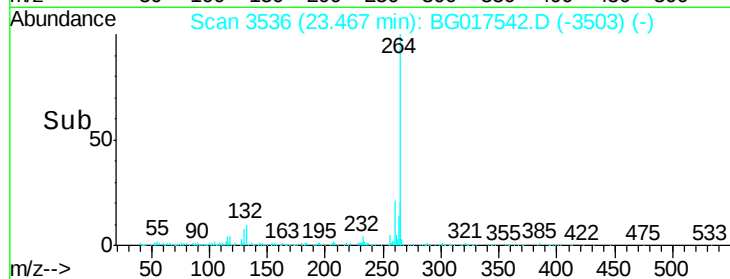
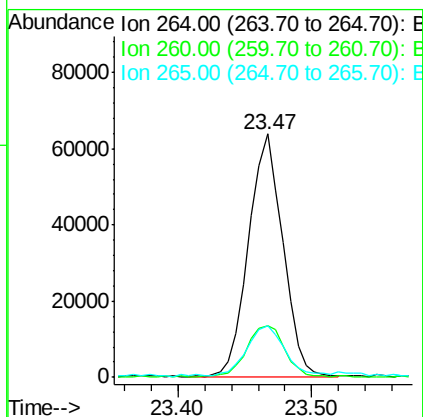
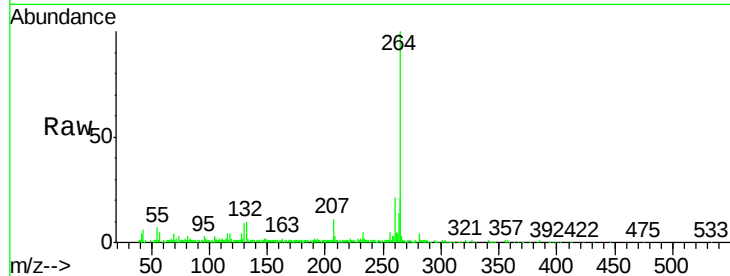




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.47 min Scan# 3536
Delta R.T. -0.01 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

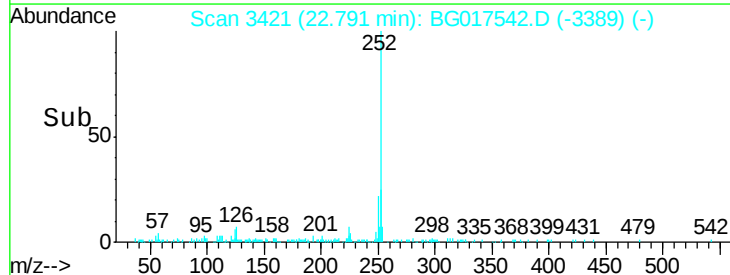
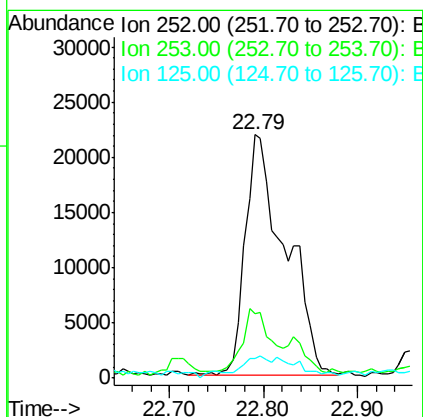
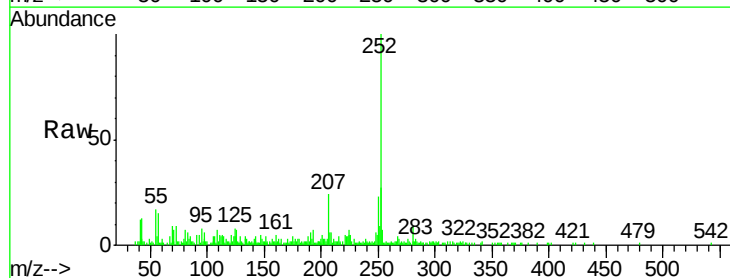
Instrument :
BNA_G
ClientSampleId :
DFTPP

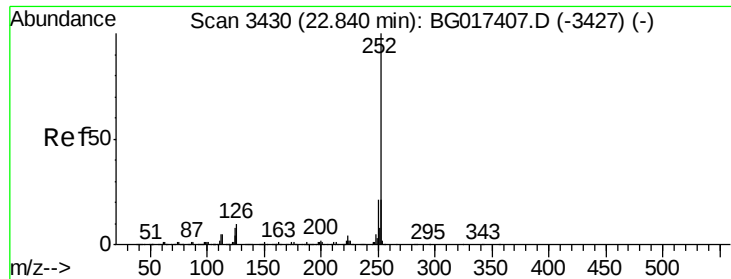
Tgt Ion:264 Resp: 112688
Ion Ratio Lower Upper
264 100
260 21.0 18.2 27.4
265 21.1 15.8 23.6



#87
Benzo(b)fluoranthene
Concen: 8.93 ng
RT: 22.79 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

Tgt Ion:252 Resp: 63804
Ion Ratio Lower Upper
252 100
253 26.7 17.4 26.2#
125 7.9 5.8 8.8

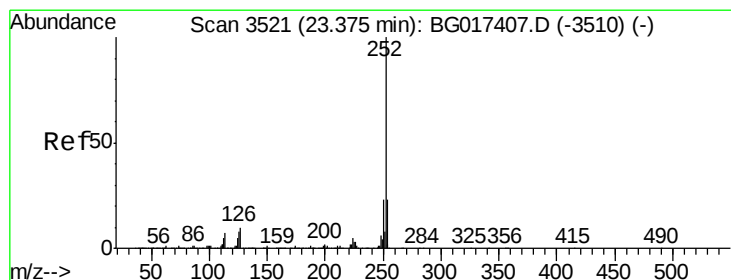
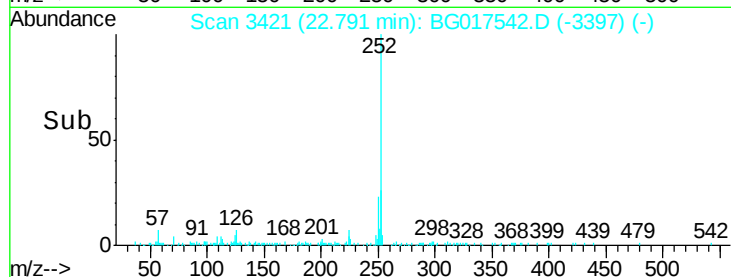
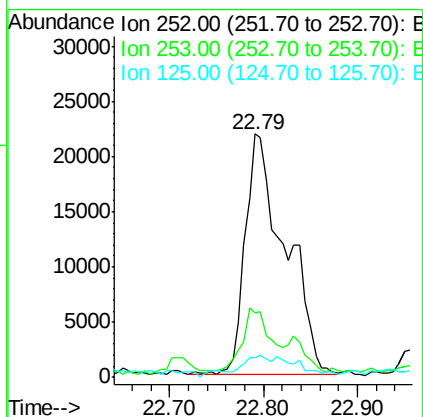
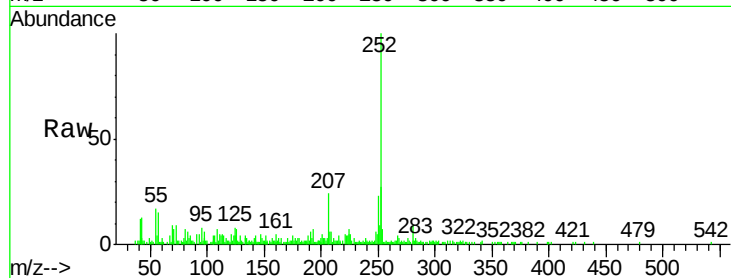




#88
Benzo(k)fluoranthene
Concen: 9.34 ng
RT: 22.79 min Scan# 3421
Delta R.T. -0.06 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

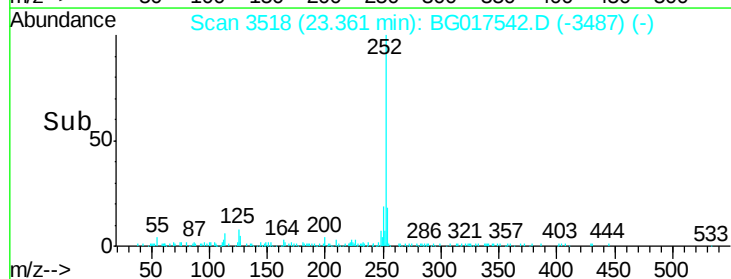
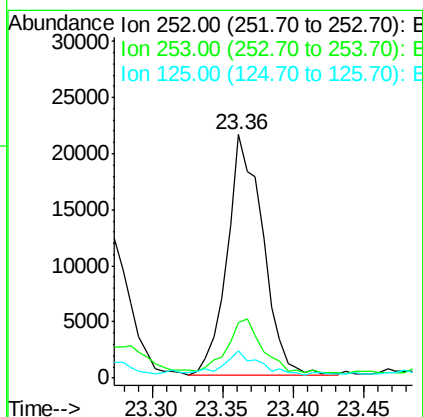
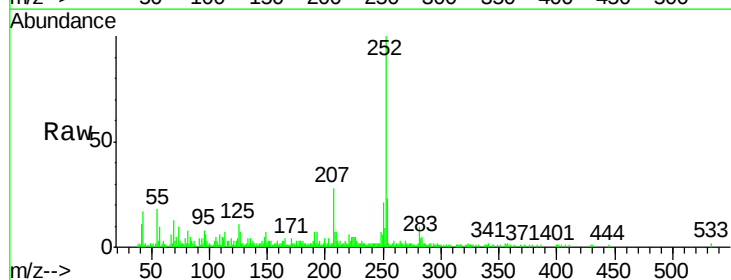
Instrument :
BNA_G
ClientSampleId :
DFTPP

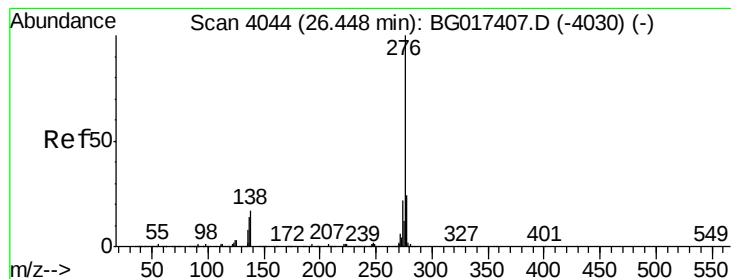
Tgt Ion:252 Resp: 63804
Ion Ratio Lower Upper
252 100
253 26.7 17.7 26.5#
125 7.9 6.5 9.7



#89
Benzo(a)pyrene
Concen: 5.74 ng
RT: 23.36 min Scan# 3518
Delta R.T. -0.02 min
Lab File: BG017542.D
Acq: 8 Jun 2015 14:34

Tgt Ion:252 Resp: 37587
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.1 6.5 9.7#





#91

Benzo(g,h,i)perylene

Concen: 3.40 ng

RT: 26.44 min Scan# 4042

Delta R.T. -0.03 min

Lab File: BG017542.D

Acq: 8 Jun 2015 14:34

Instrument :

BNA_G

ClientSampleId :

DFTPP

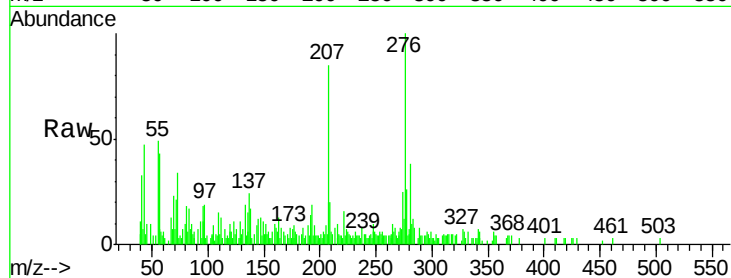
Tgt Ion: 276 Resp: 22021

Ion Ratio Lower Upper

276 100

277 26.0 19.2 28.8

138 16.7 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

