

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017530.D
 Acq On : 7 Jun 2015 12:15
 Operator : TP/IZ
 Sample : G2457-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2

Quant Time: Jun 08 05:26:00 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

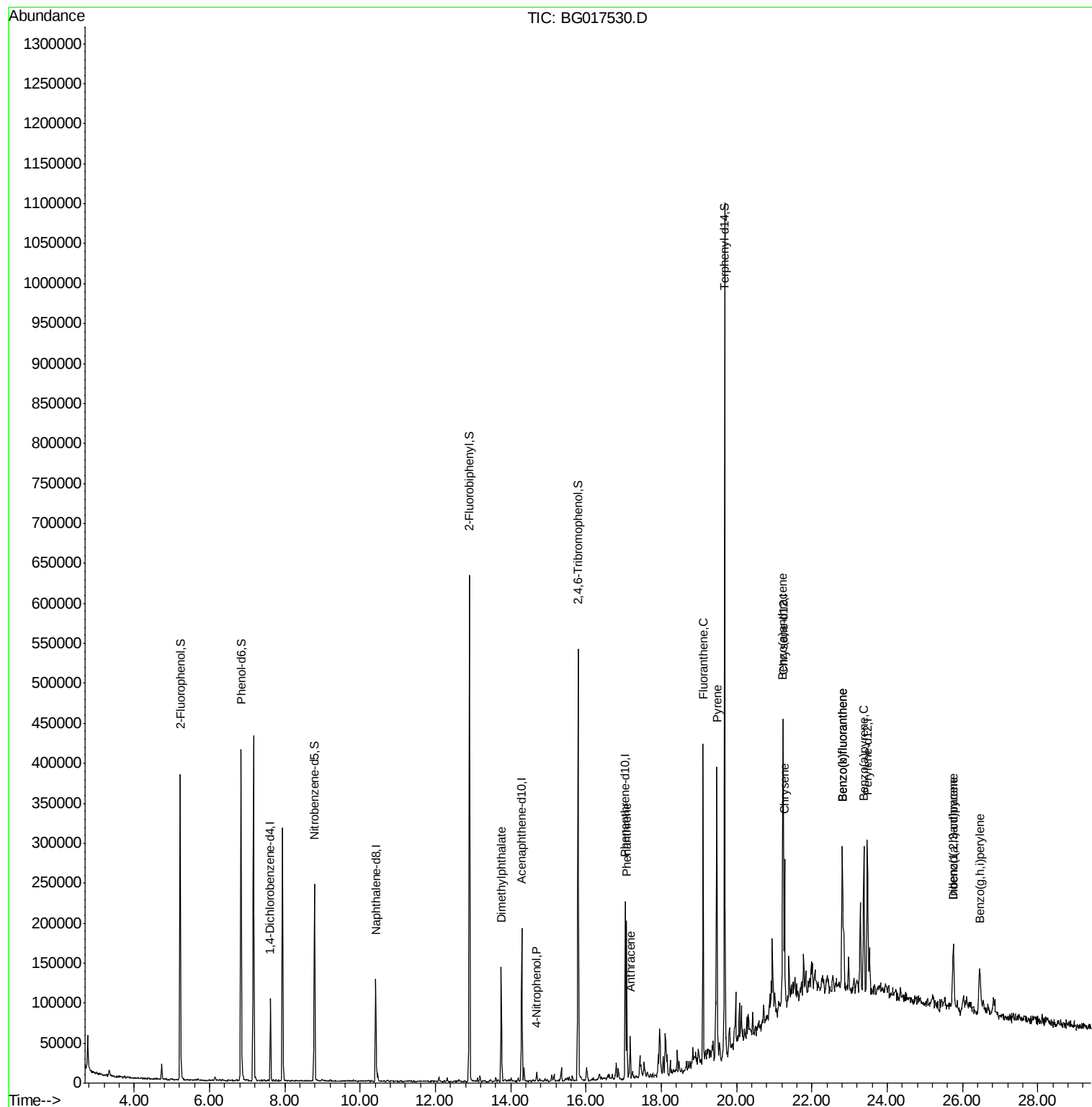
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	21742	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	94711	20.00	ng	-0.01
38) Acenaphthene-d10	14.29	164	56156	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	116055	20.00	ng	0.00
75) Chrysene-d12	21.24	240	130141	20.00	ng	0.00
86) Perylene-d12	23.48	264	131685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	131250	106.35	ng	0.00
7) Phenol-d6	6.84	99	178088	105.93	ng	0.00
23) Nitrobenzene-d5	8.79	82	126848	66.86	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	71995	92.30	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	271478	72.93	ng	0.00
78) Terphenyl-d14	19.69	244	394117	62.59	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	77679	15.89	ng	100
55) 4-Nitrophenol	14.69	139	1952	2.83	ng	# 1
70) Phenanthrene	17.08	178	98432	15.21	ng	99
71) Anthracene	17.18	178	29245	4.52	ng	97
74) Fluoranthene	19.11	202	215776	25.50	ng	97
77) Pyrene	19.47	202	207690	25.91	ng	99
80) Benzo(a)anthracene	21.23	228	114534	14.31	ng	95
82) Chrysene	21.27	228	93650	12.92	ng	97
85) Indeno(1,2,3-cd)pyrene	25.76	276	75227	8.27	ng	# 94
87) Benzo(b)fluoranthene	22.81	252	146105	17.51	ng	# 96
88) Benzo(k)fluoranthene	22.81	252	146105	18.30	ng	97
89) Benzo(a)pyrene	23.38	252	124226	16.23	ng	100
90) Dibenzo(a,h)anthracene	25.76	278	20373	2.56	ng	# 76
91) Benzo(g,h,i)perylene	26.46	276	75391	9.96	ng	97

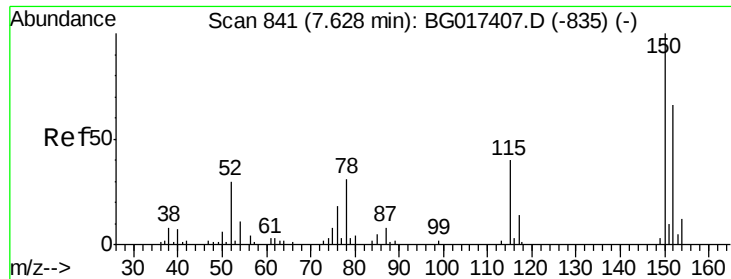
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG017530.D
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ALS Vial : 25 Sample Multiplier: 1

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BNA_G
ClientSampleId :
SP-2

Quant Time: Jun 08 05:26:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 839

Delta R.T. -0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

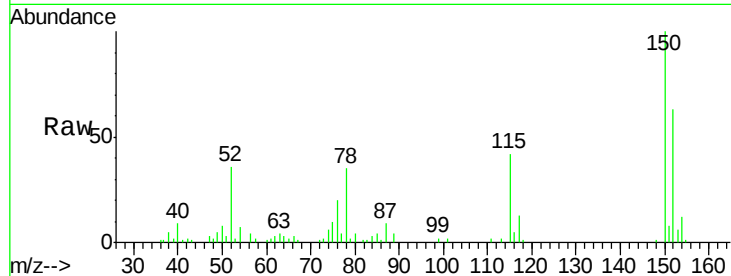
Tgt Ion:152 Resp: 21742

Ion Ratio Lower Upper

152 100

150 158.7 121.7 182.5

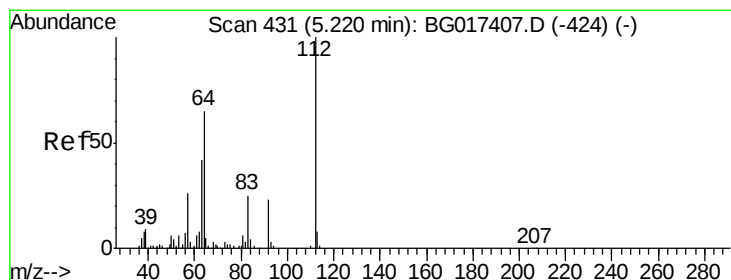
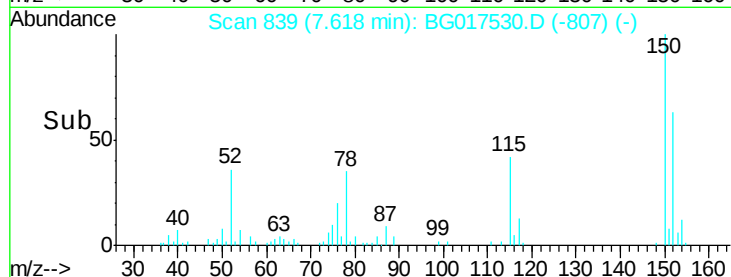
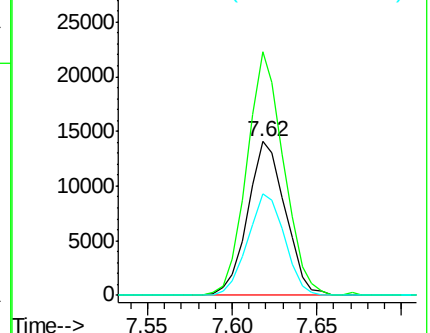
115 66.5 48.6 73.0



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: 106.35 ng

RT: 5.22 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

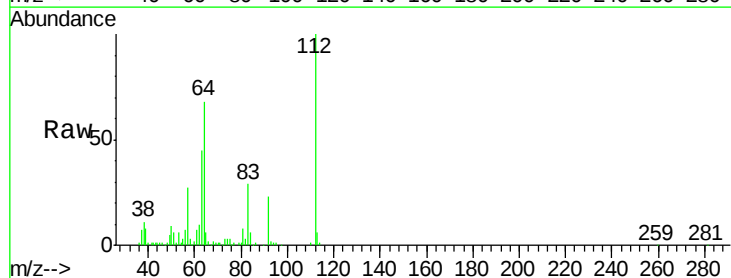
Tgt Ion:112 Resp: 131250

Ion Ratio Lower Upper

112 100

64 68.4 51.6 77.4

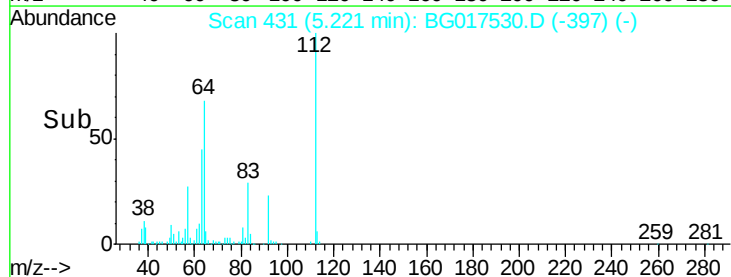
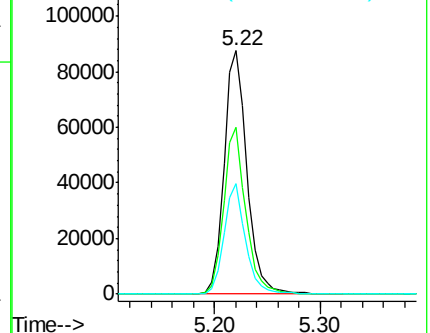
63 45.2 33.3 49.9



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: 105.93 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

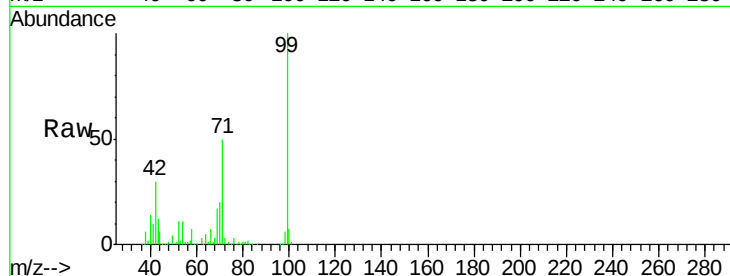
Tgt Ion: 99 Resp: 178088

Ion Ratio Lower Upper

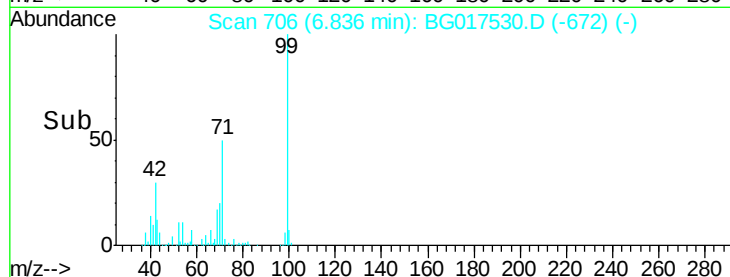
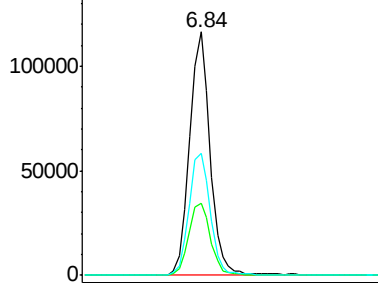
99 100

42 29.7 21.0 31.6

71 50.1 37.2 55.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.41 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Tgt Ion: 136 Resp: 94711

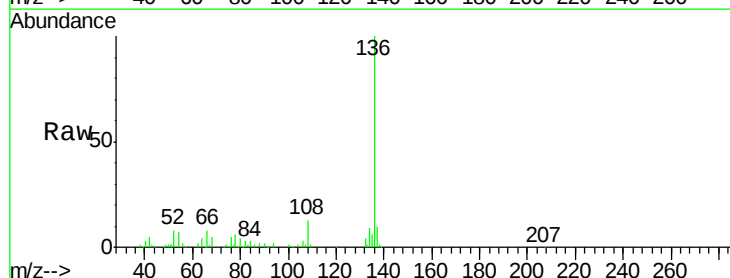
Ion Ratio Lower Upper

136 100

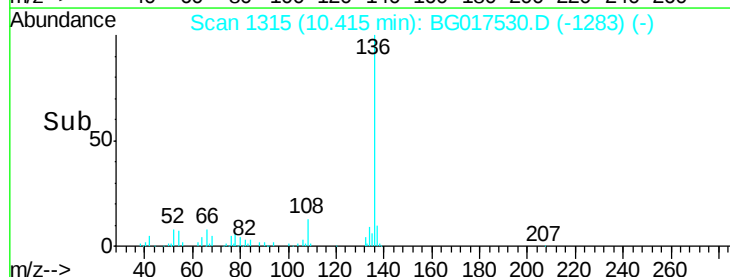
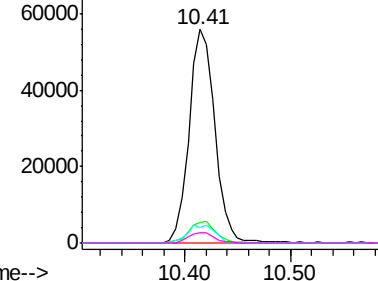
137 9.6 7.9 11.9

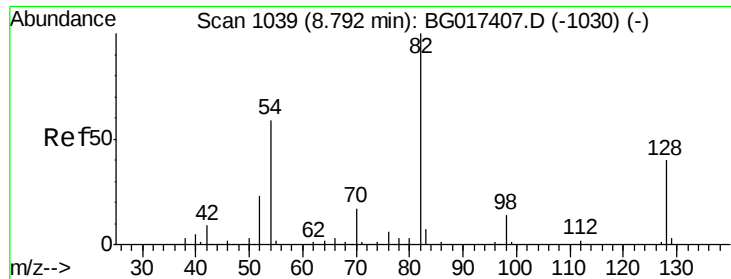
54 7.5 7.2 10.8

68 4.7 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

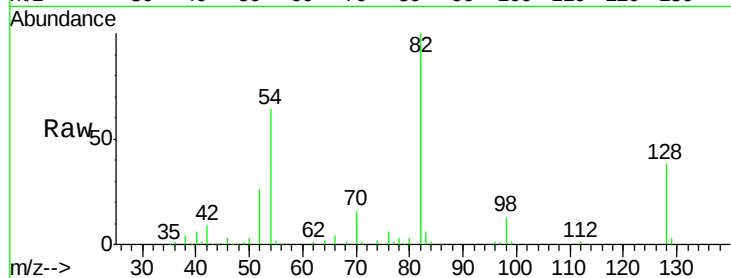




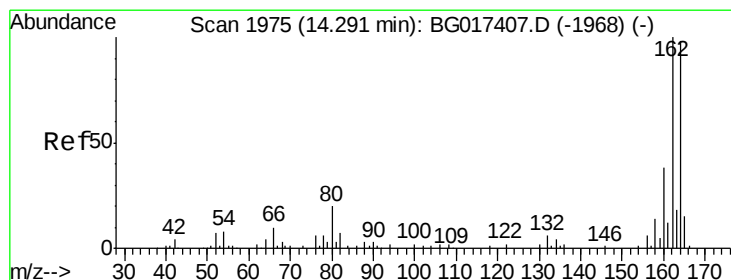
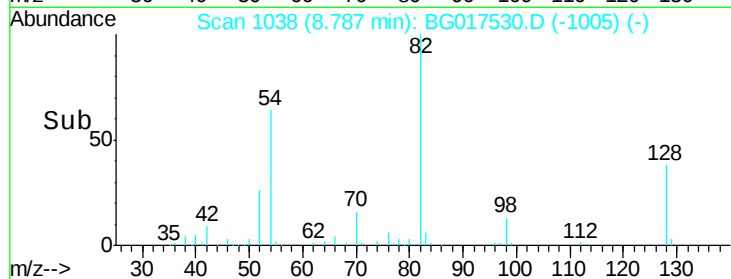
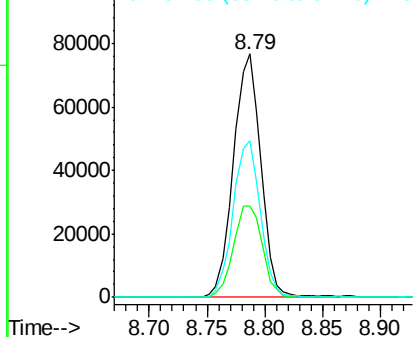
#23
Nitrobenzene-d5
Concen: 66.86 ng
RT: 8.79 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampleId :
SP-2

Tgt Ion: 82 Resp: 126848
Ion Ratio Lower Upper
82 100
128 37.8 32.2 48.4
54 64.0 47.4 71.2

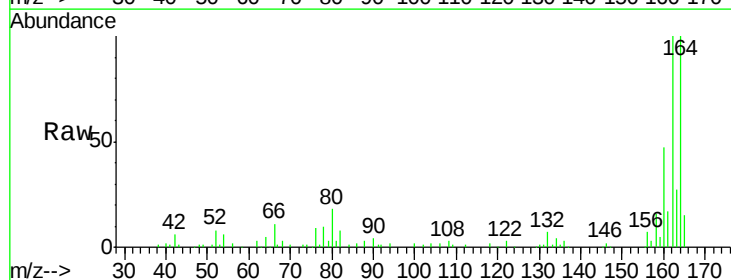


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

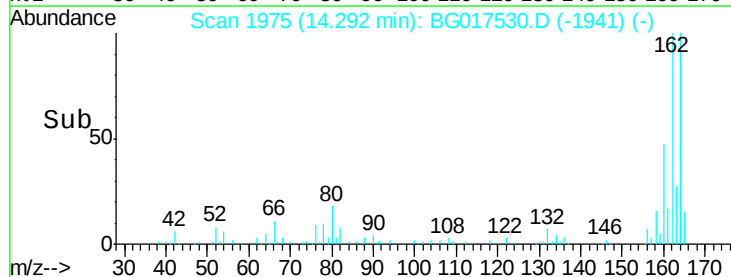
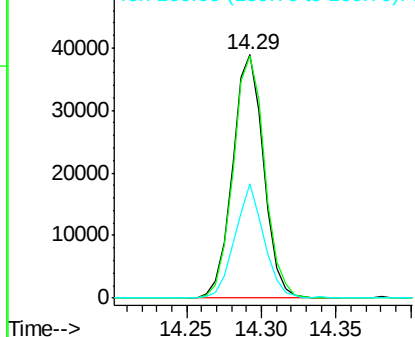


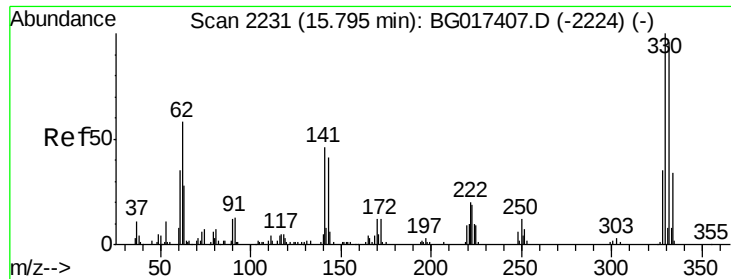
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.29 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion: 164 Resp: 56156
Ion Ratio Lower Upper
164 100
162 99.7 81.8 122.6
160 47.0 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

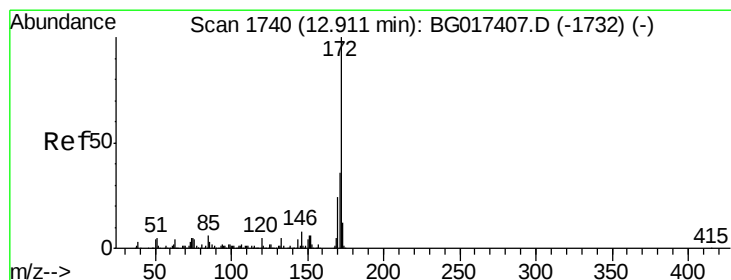
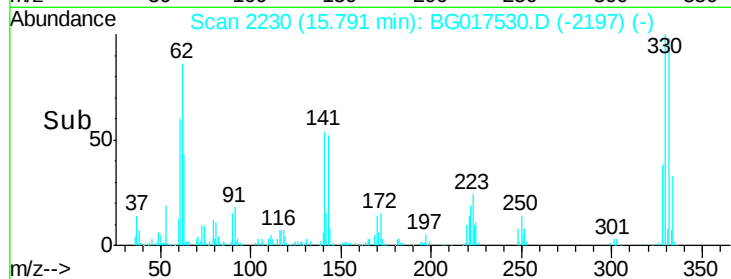
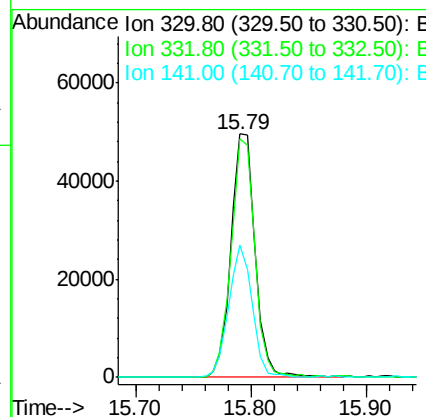
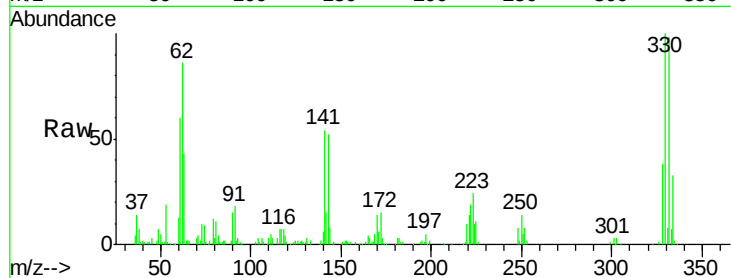




#41
 2,4,6-Tribromophenol
 Concen: 92.30 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

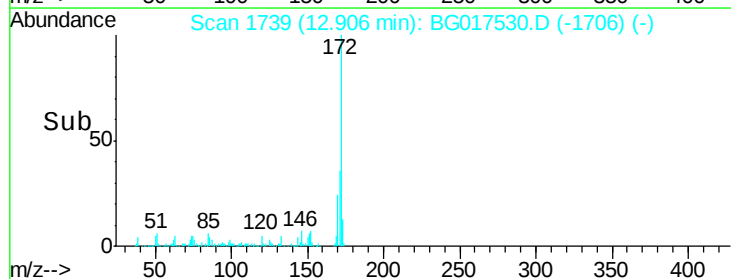
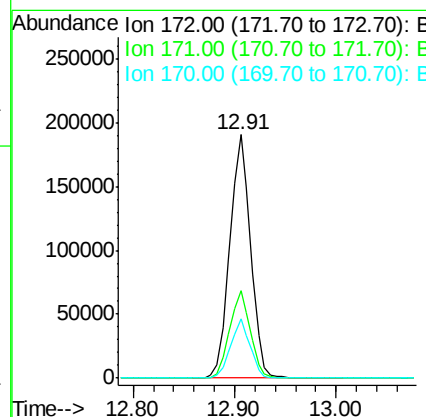
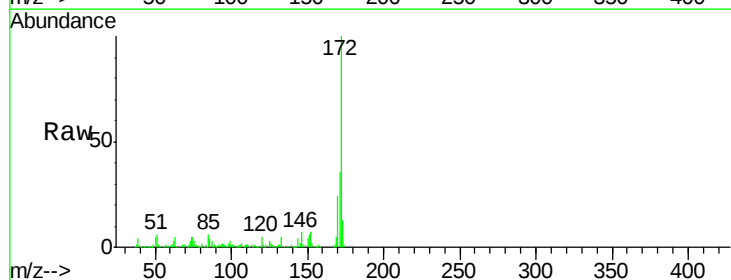
Instrument :
 BNA_G
 ClientSampleId :
 SP-2

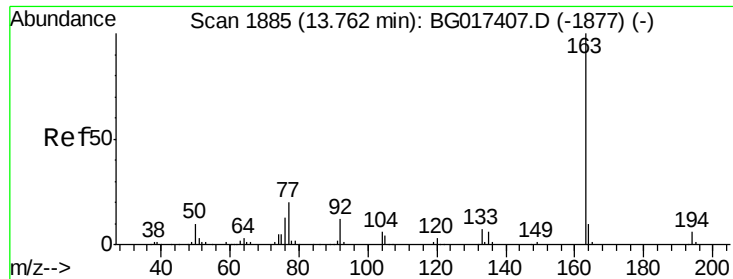
Tgt Ion:330 Resp: 71995
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.9 113.9
 141 52.7 40.2 60.4



#44
 2-Fluorobiphenyl
 Concen: 72.93 ng
 RT: 12.91 min Scan# 1739
 Delta R.T. -0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion:172 Resp: 271478
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.2 18.9 28.3





#49

Dimethylphthalate

Concen: 15.89 ng

RT: 13.75 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

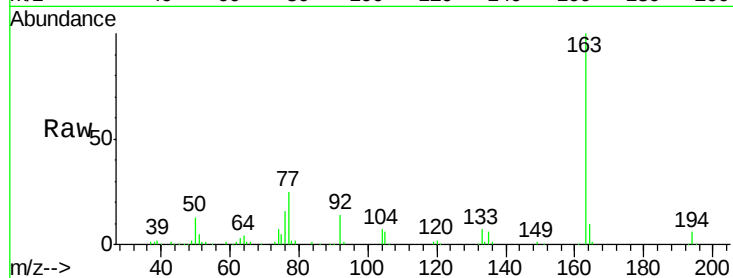
Tgt Ion:163 Resp: 77679

Ion Ratio Lower Upper

163 100

194 6.0 4.9 7.3

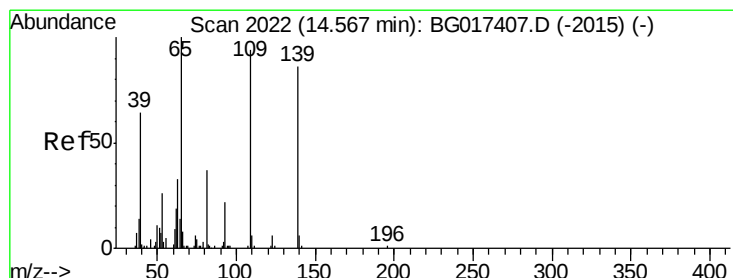
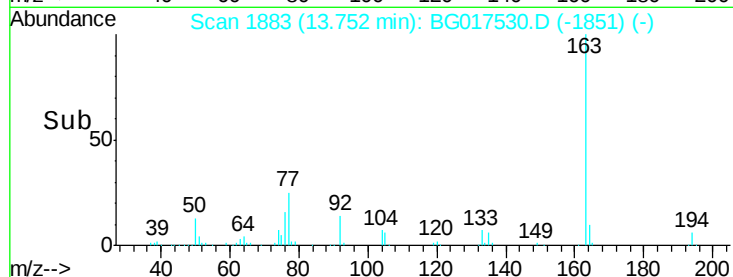
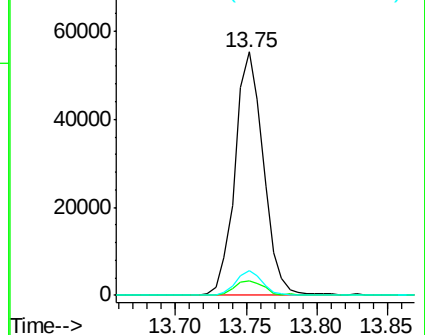
164 10.1 8.2 12.2



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: 2.83 ng

RT: 14.69 min Scan# 2043

Delta R.T. 0.12 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

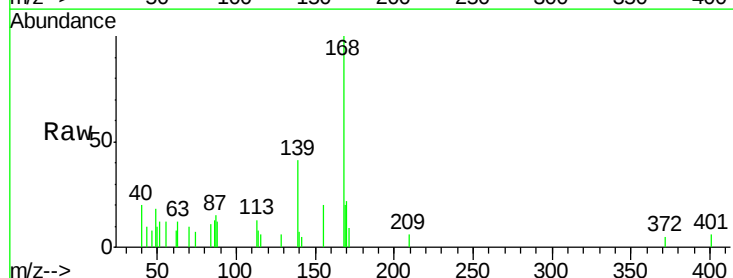
Tgt Ion:139 Resp: 1952

Ion Ratio Lower Upper

139 100

109 0.0 89.5 129.5#

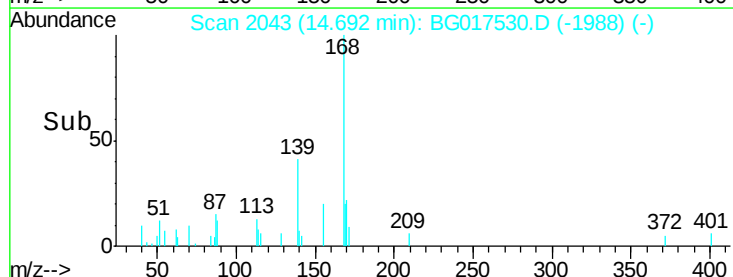
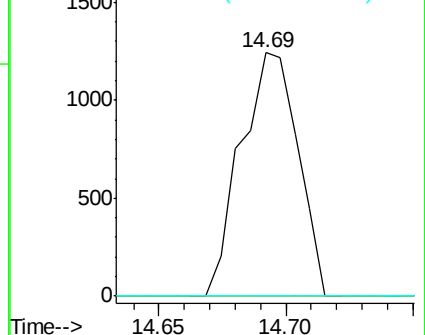
65 0.0 95.9 135.9#

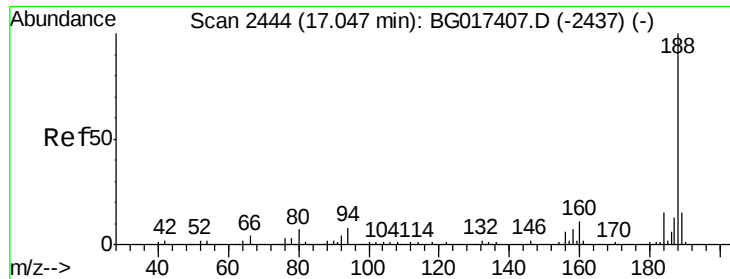


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

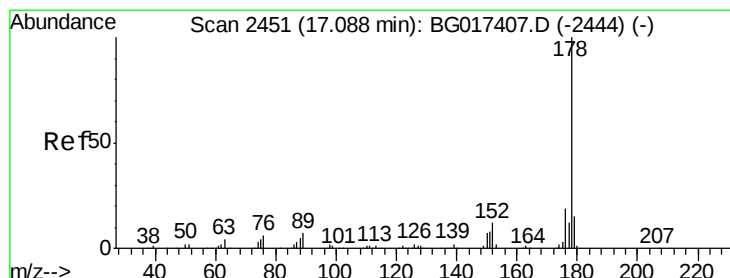
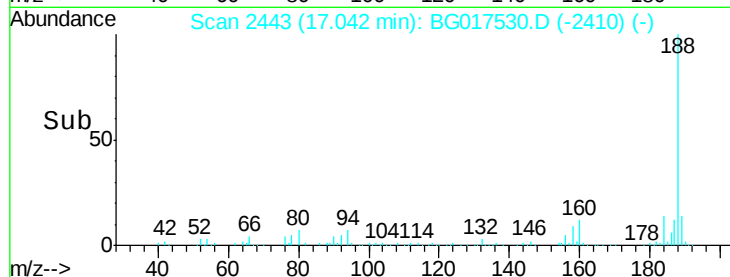
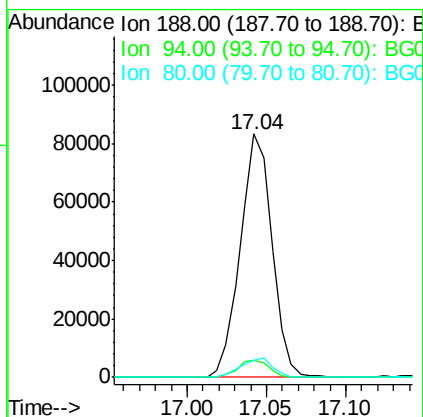
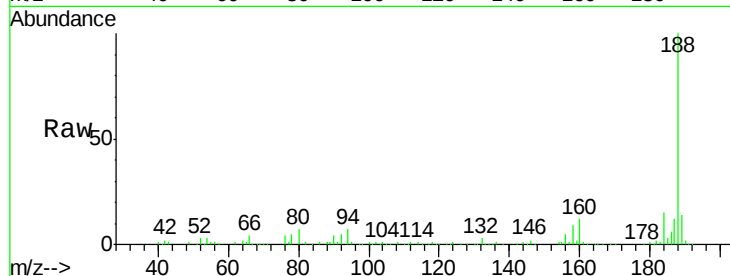




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

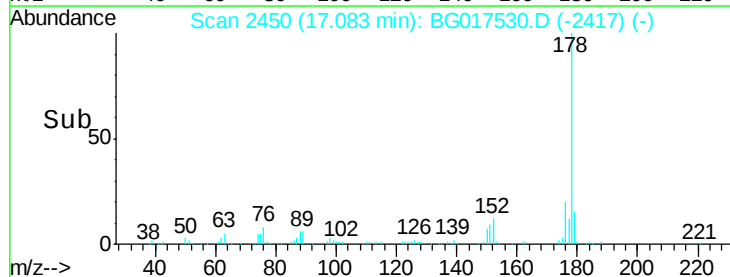
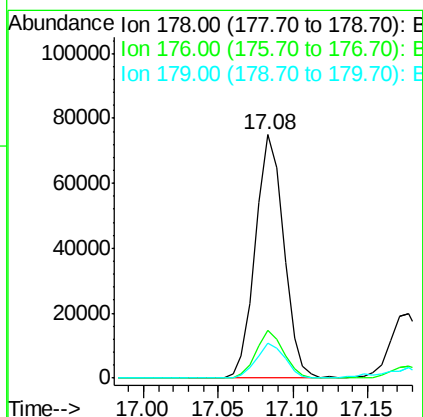
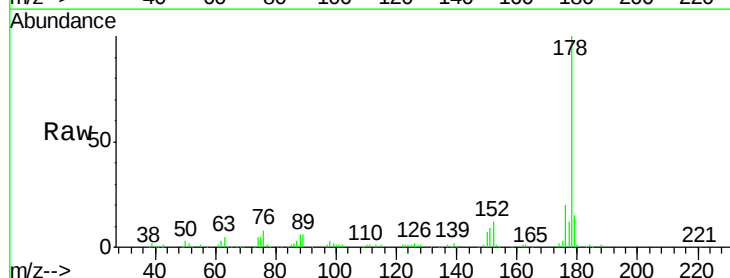
Instrument :
BNA_G
ClientSampled :
SP-2

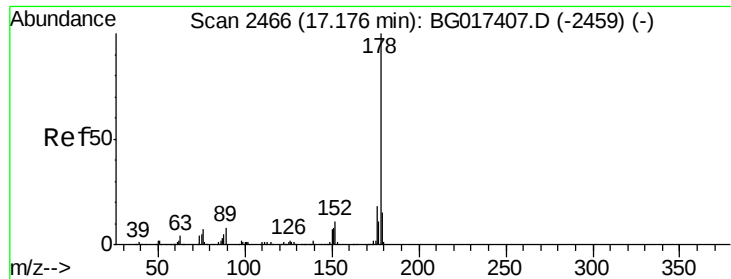
Tgt Ion:188 Resp: 116055
Ion Ratio Lower Upper
188 100
94 6.9 6.3 9.5
80 6.9 5.2 7.8



#70
Phenanthrene
Concen: 15.21 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion:178 Resp: 98432
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 14.5 12.2 18.2

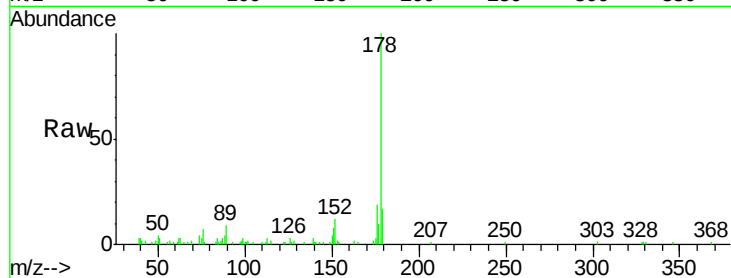




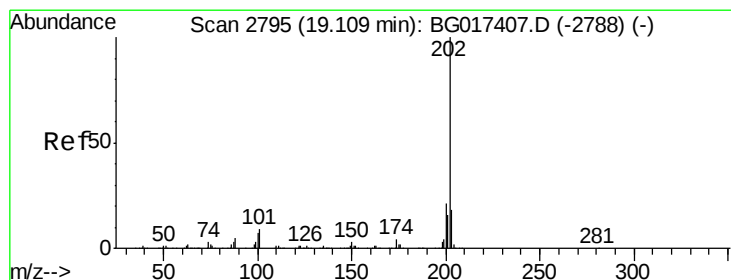
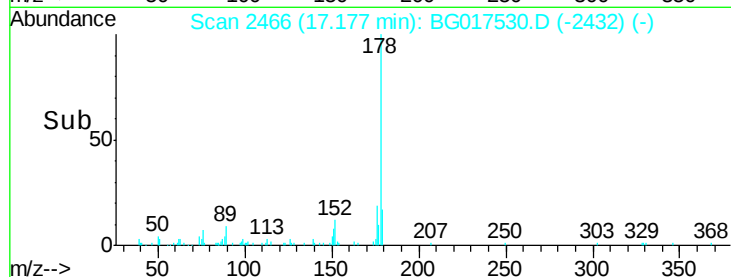
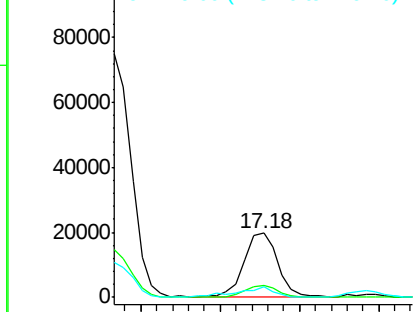
#71
 Anthracene
 Concen: 4.52 ng
 RT: 17.18 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Instrument :
 BNA_G
 ClientSampleId :
 SP-2

Tgt Ion:178 Resp: 29245
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.2 21.2
 179 16.6 12.2 18.4

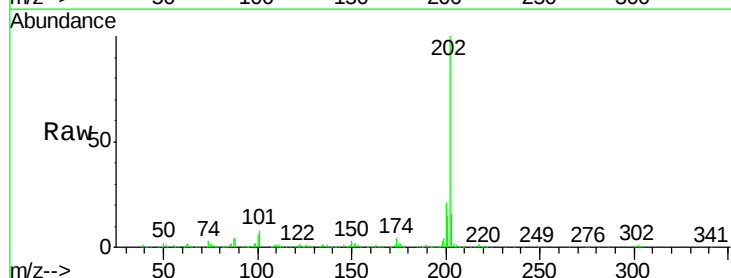


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

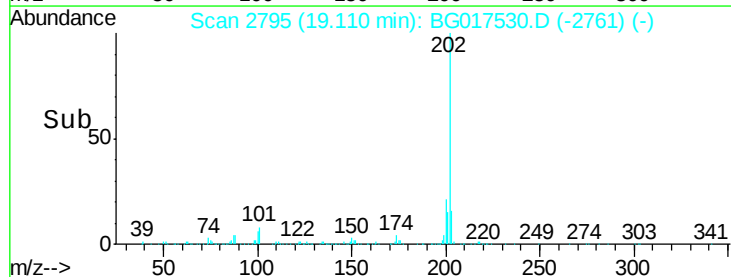
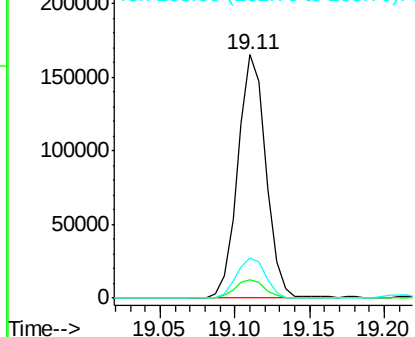


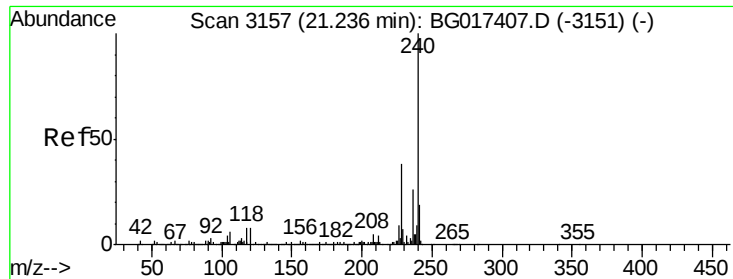
#74
 Fluoranthene
 Concen: 25.50 ng
 RT: 19.11 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion:202 Resp: 215776
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 28.8
 203 16.3 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# 3157

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

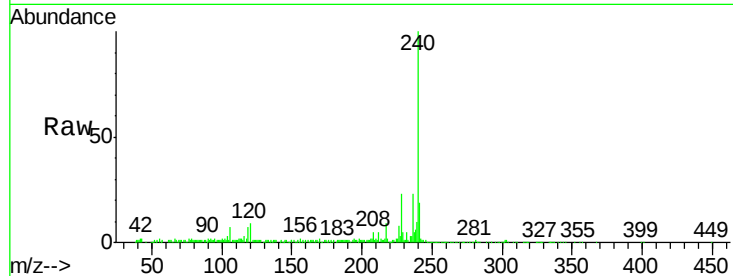
Tgt Ion:240 Resp: 130141

Ion Ratio Lower Upper

240 100

120 9.2 6.5 9.7

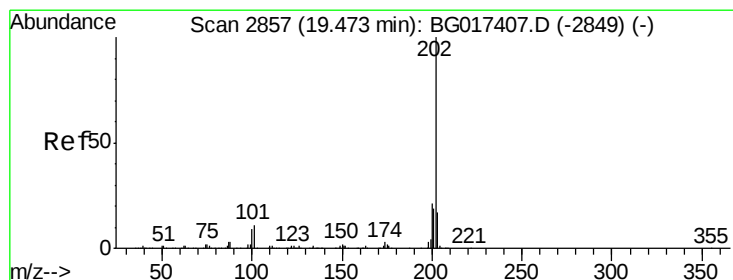
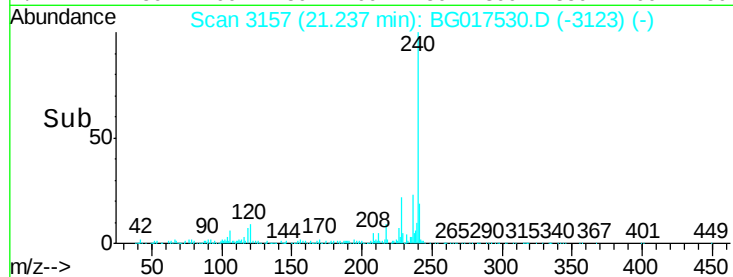
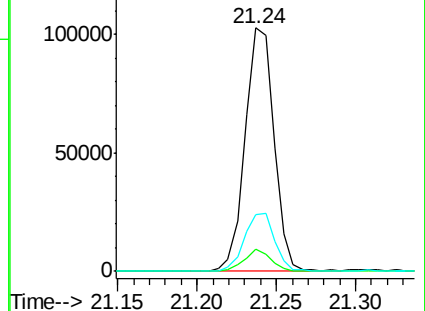
236 23.3 20.8 31.2



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: 25.91 ng

RT: 19.47 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

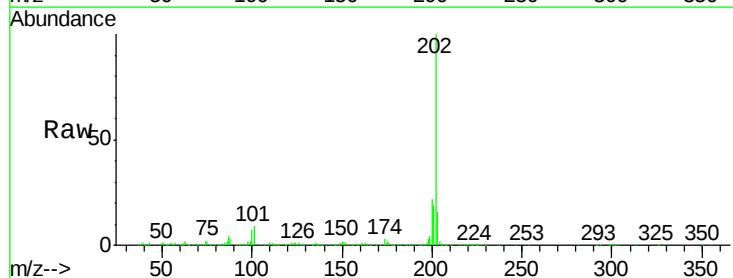
Tgt Ion:202 Resp: 207690

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

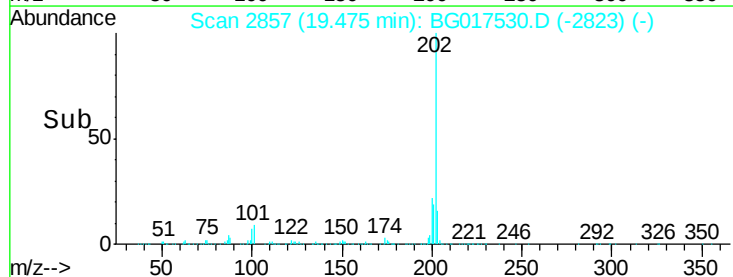
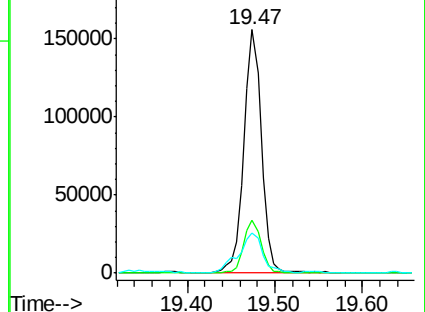
203 16.4 13.9 20.9

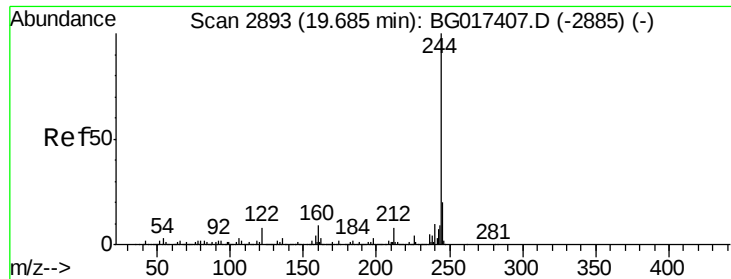


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.59 ng

RT: 19.69 min Scan# 2893

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

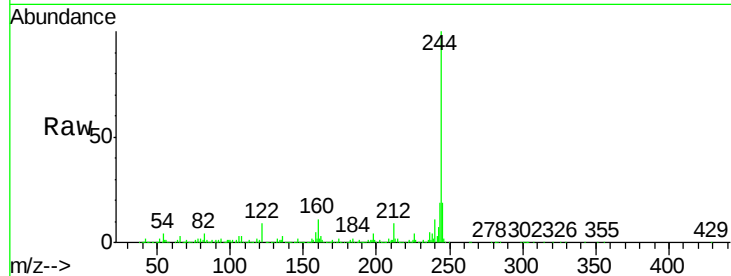
Tgt Ion:244 Resp: 394117

Ion Ratio Lower Upper

244 100

212 8.6 6.4 9.6

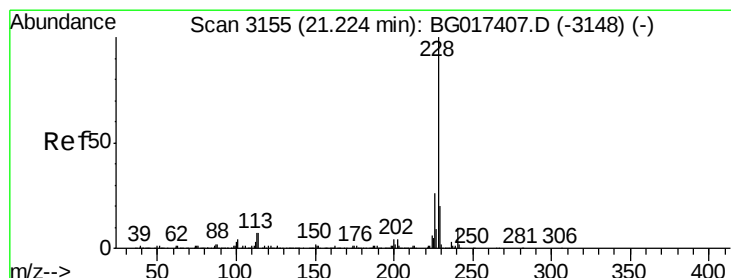
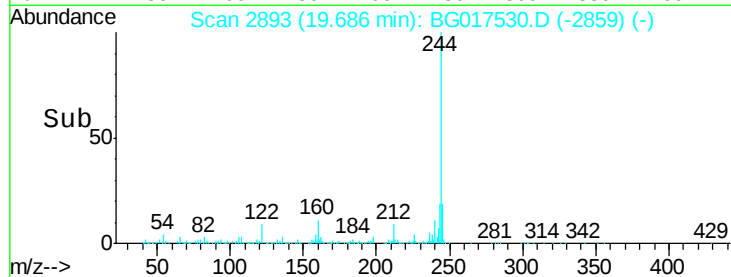
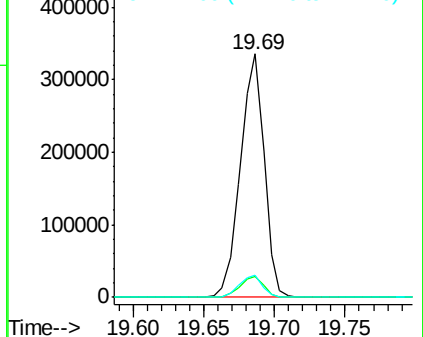
122 9.3 6.6 10.0



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: 14.31 ng

RT: 21.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

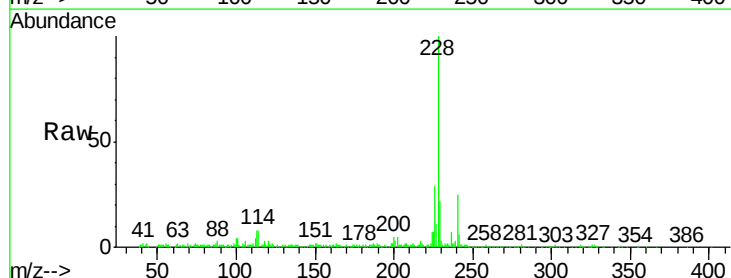
Tgt Ion:228 Resp: 114534

Ion Ratio Lower Upper

228 100

226 29.0 21.0 31.6

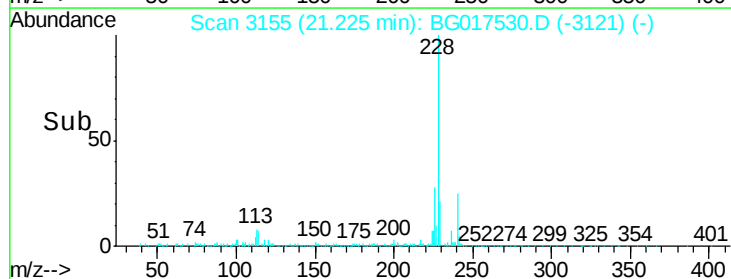
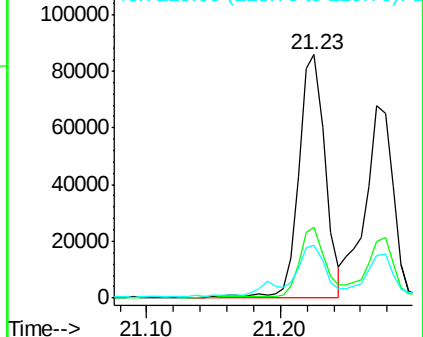
229 21.9 15.7 23.5

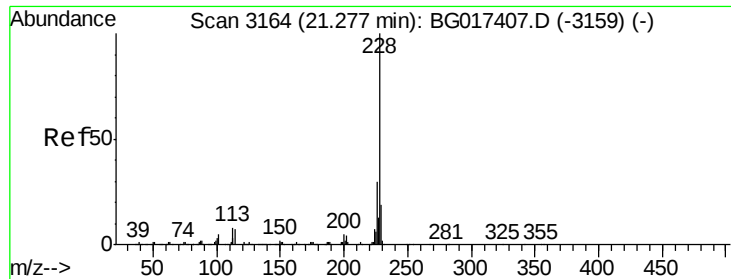


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.92 ng

RT: 21.27 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampled :

SP-2

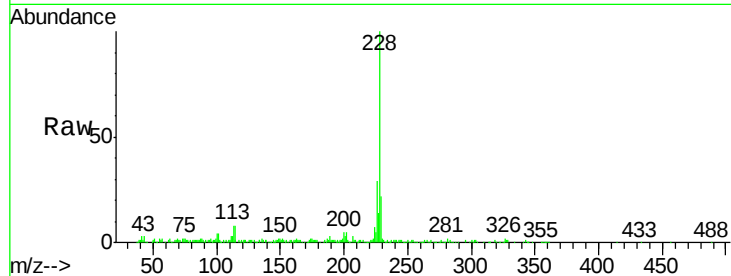
Tgt Ion:228 Resp: 93650

Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

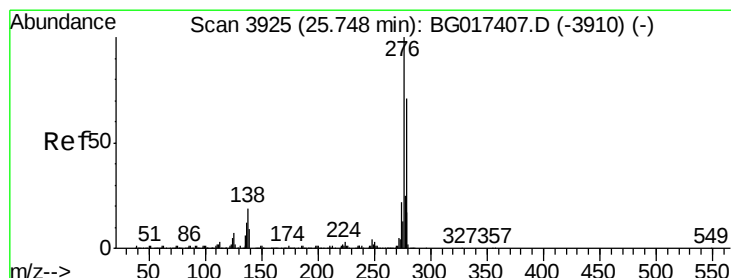
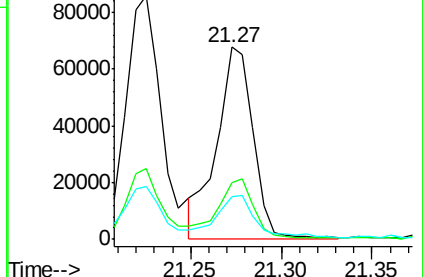
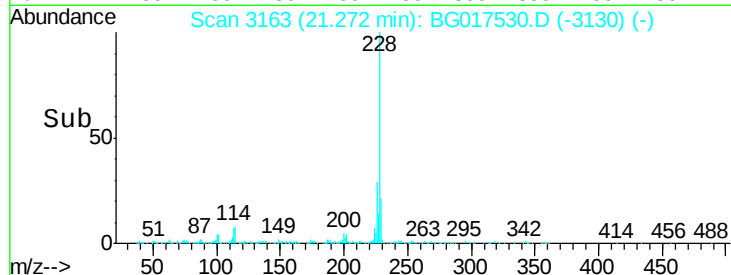
229 21.9 15.2 22.8



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: 8.27 ng

RT: 25.76 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

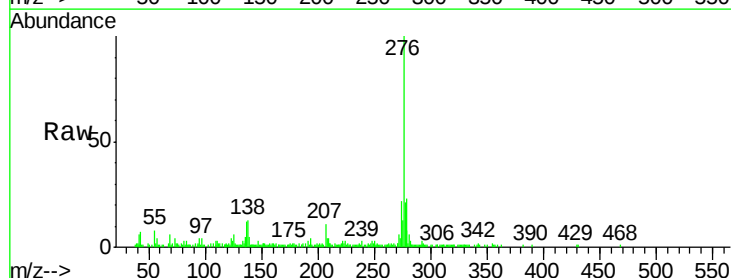
Tgt Ion:276 Resp: 75227

Ion Ratio Lower Upper

276 100

138 14.9 15.4 23.0#

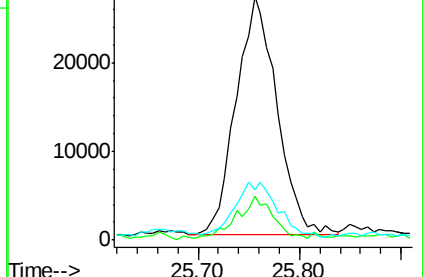
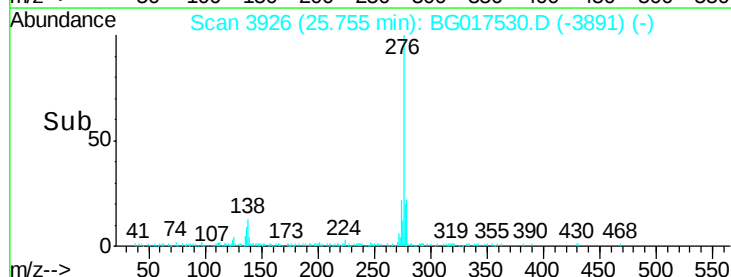
277 23.6 20.5 30.7

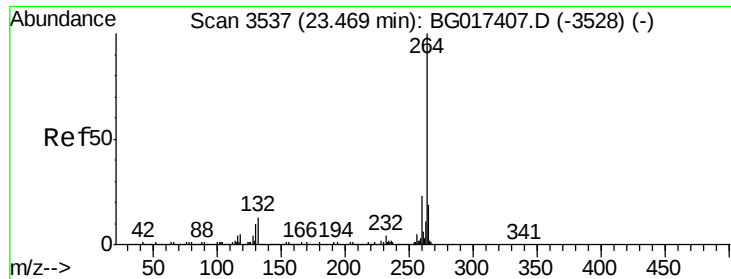


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

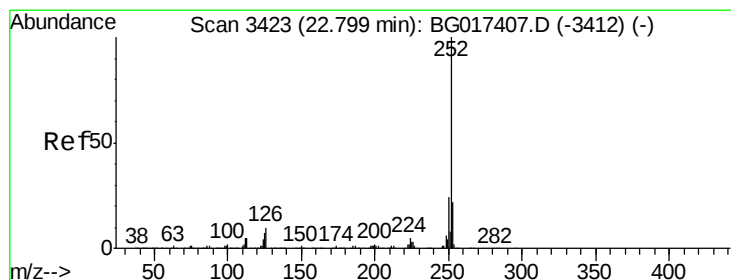
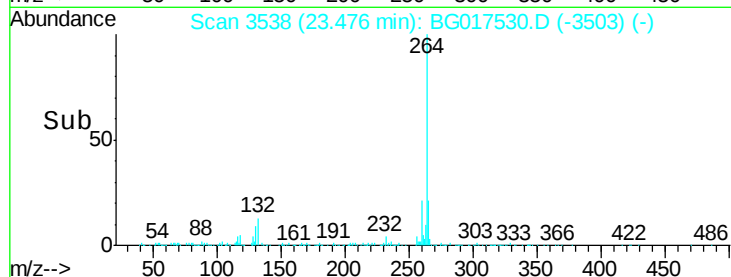
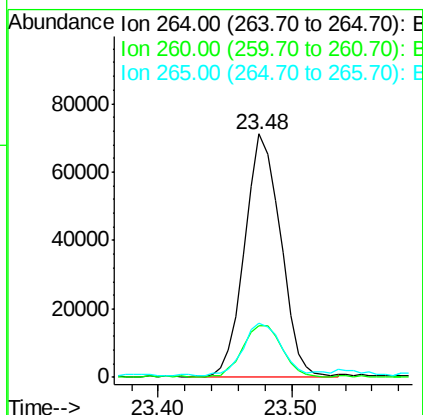
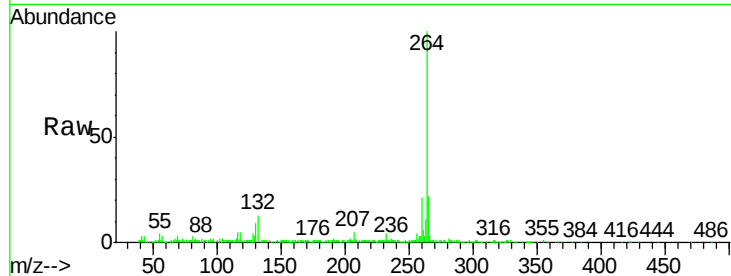




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.48 min Scan# 3538
Delta R.T. 0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

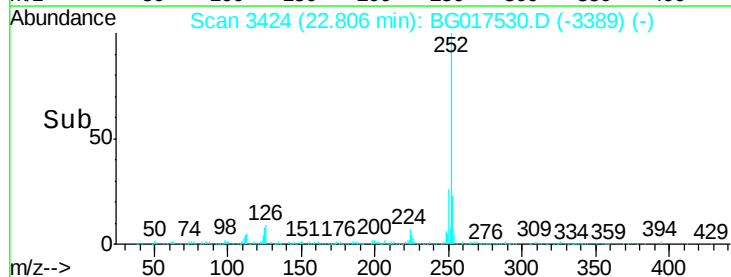
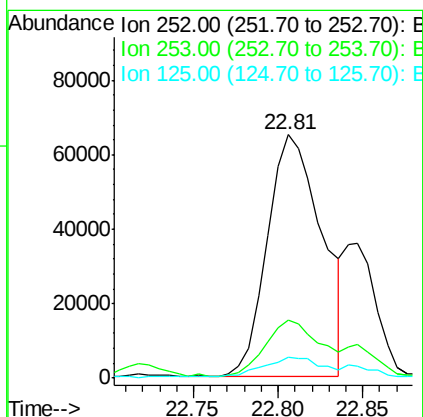
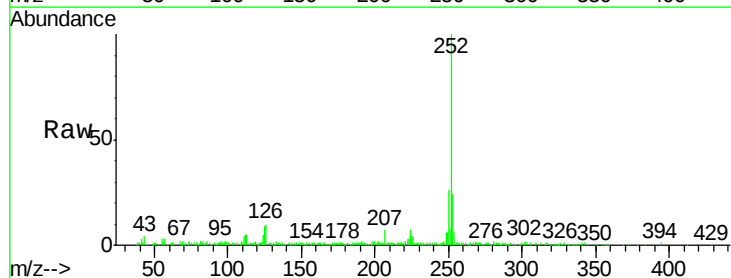
Instrument :
BNA_G
ClientSampleId :
SP-2

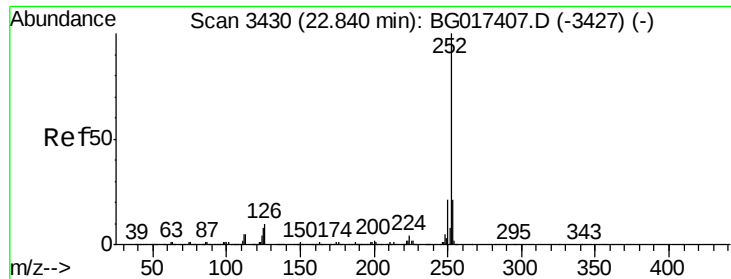
Tgt Ion:264 Resp: 131685
Ion Ratio Lower Upper
264 100
260 21.5 18.2 27.4
265 22.0 15.8 23.6



#87
Benzo(b)fluoranthene
Concen: 17.51 ng
RT: 22.81 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion:252 Resp: 146105
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 8.8 5.8 8.8#

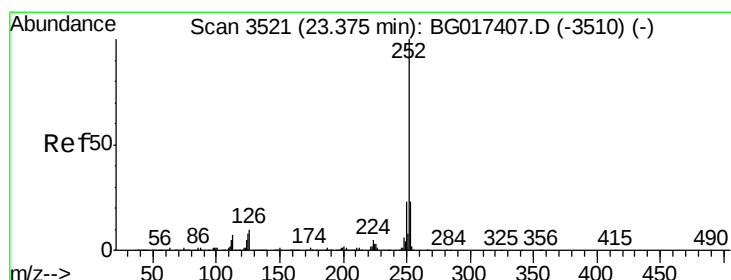
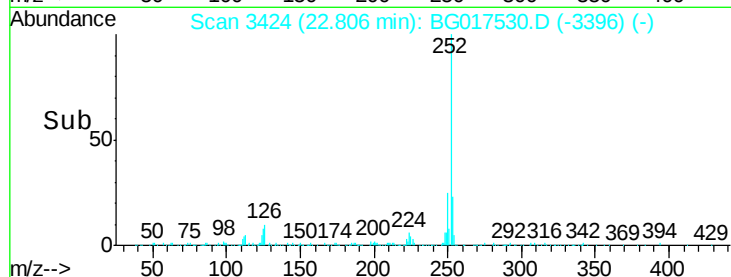
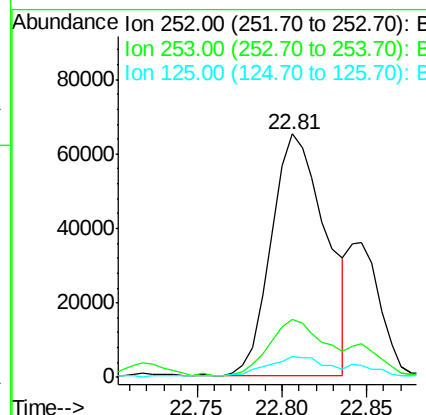
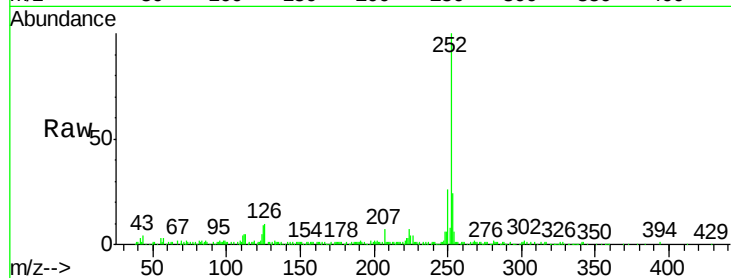




#88
Benzo(k)fluoranthene
Concen: 18.30 ng
RT: 22.81 min Scan# 3424
Delta R.T. -0.03 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

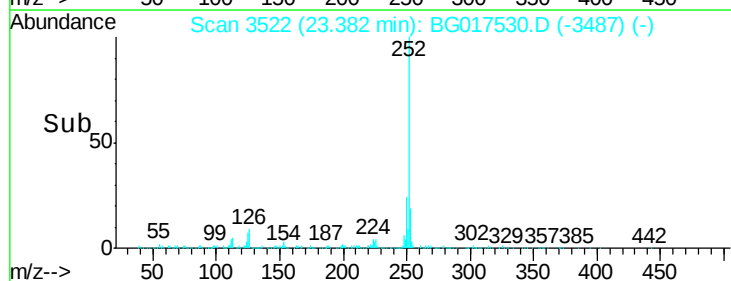
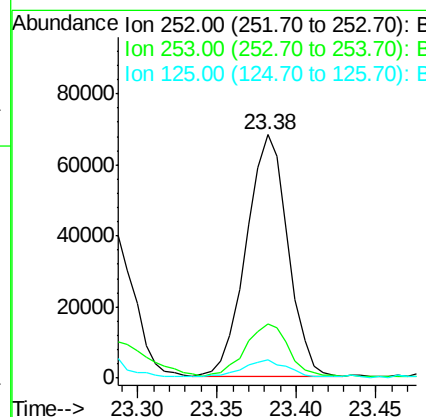
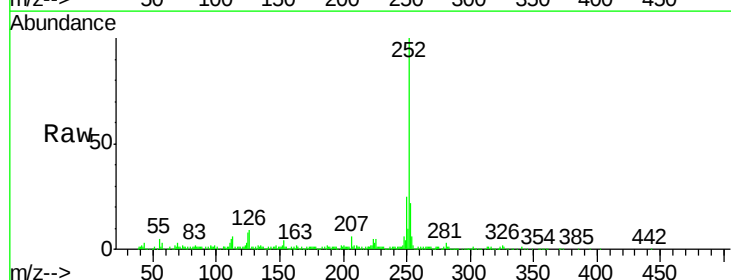
Instrument :
BNA_G
ClientSampleId :
SP-2

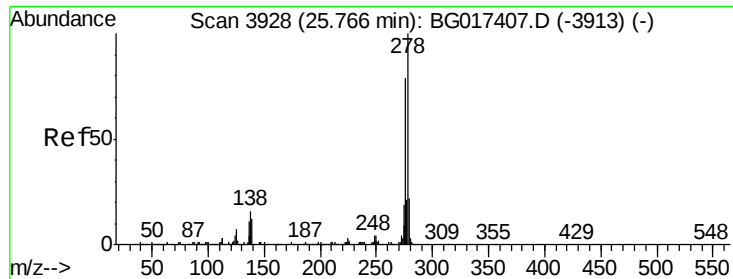
Tgt Ion:252 Resp: 146105
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 8.8 6.5 9.7



#89
Benzo(a)pyrene
Concen: 16.23 ng
RT: 23.38 min Scan# 3522
Delta R.T. 0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion:252 Resp: 124226
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 7.7 6.5 9.7





#90

Dibenzo(a,h)anthracene

Concen: 2.56 ng

RT: 25.76 min Scan# 3926

Delta R.T. -0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

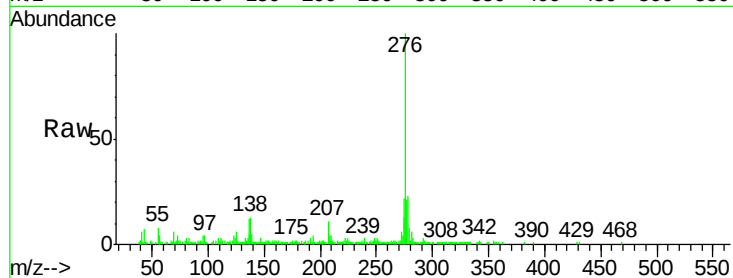
Tgt Ion:278 Resp: 20373

Ion Ratio Lower Upper

278 100

139 0.0 9.4 14.0#

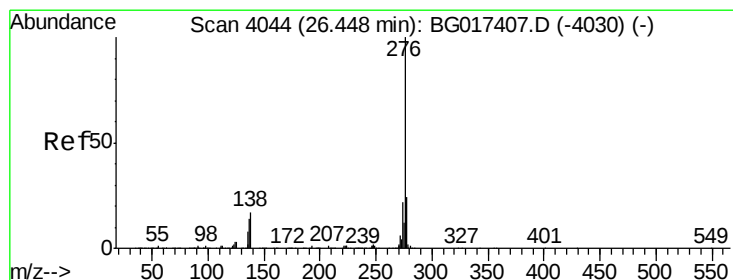
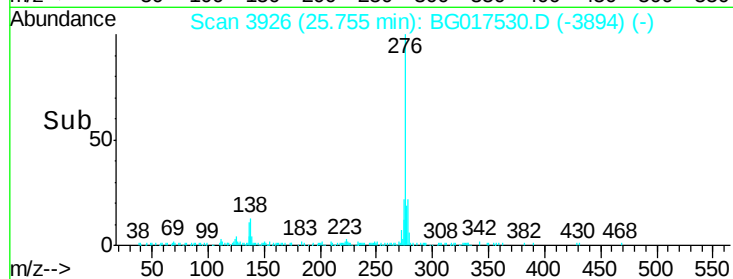
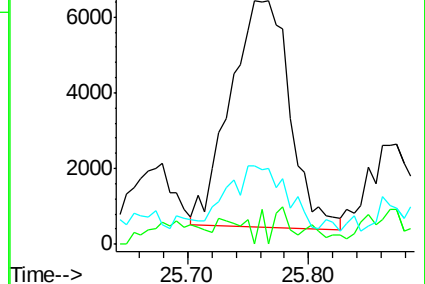
279 32.5 17.8 26.8#



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: 9.96 ng

RT: 26.46 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

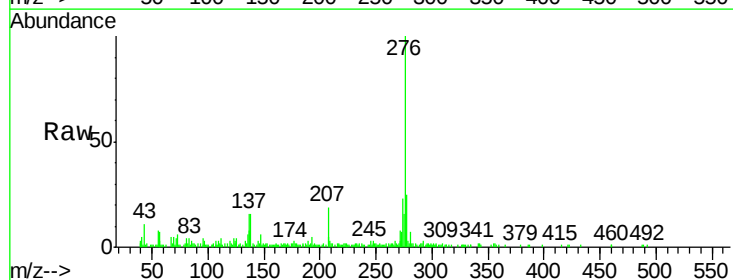
Tgt Ion:276 Resp: 75391

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 15.6 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

