

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020253.D
 Acq On : 17 Dec 2015 19:51
 Operator : UM/SJ
 Sample : G4787-18DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BP0DL

Quant Time: Dec 18 02:43:03 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	18023	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73443	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50891	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	132510	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	178632	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	170223	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	2265	1.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	1714	1.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1838	1.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	2089	1.54	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	951	1.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	957	1.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	2281	1.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	2685	1.85	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	8661	2.10	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	9359	1.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	494	0.67	ng/ul	0.00
58) Fluorene-d10	15.71	176	7317	1.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	11714	1.92	ng/ul	0.00
79) Pyrene-d10	19.85	212	14248	1.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	15308	1.80	ng/ul	0.00

Target Compounds

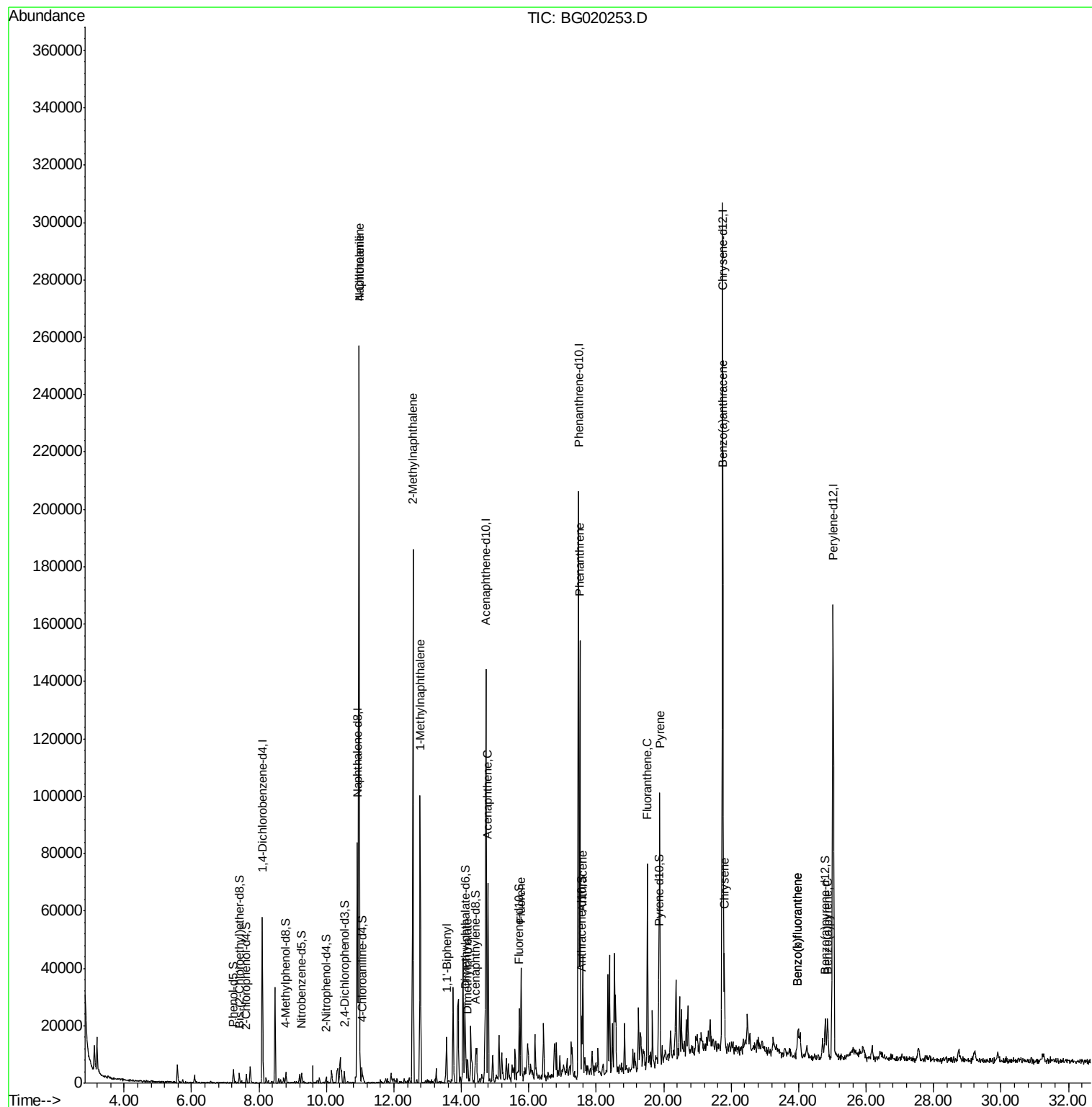
						Qvalue
28) Naphthalene	10.96	128	217843	56.80	ng/ul	98
30) 4-Chloroaniline	10.96	127	29460	19.91	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	88219	30.11	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	46905	16.65	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	8045	2.10	ng/ul	99
45) Dimethylphthalate	14.17	163	4492	1.07	ng/ul#	94
50) Acenaphthene	14.79	153	29351	8.57	ng/ul	99
59) Fluorene	15.77	166	17760	4.34	ng/ul	97
70) Phenanthrene	17.51	178	99795	13.77	ng/ul	100
72) Anthracene	17.60	178	27508	3.74	ng/ul	98
77) Fluoranthene	19.52	202	45625	5.39	ng/ul	97
80) Pyrene	19.88	202	61529	5.69	ng/ul	100
83) Benzo(a)anthracene	21.73	228	27046	2.59	ng/ul	97
85) Chrysene	21.79	228	21955	2.24	ng/ul	98
88) Benzo(b)fluoranthene	23.98	252	13212	1.29	ng/ul	98
89) Benzo(k)fluoranthene	23.98	252	13212	1.34	ng/ul	98
91) Benzo(a)pyrene	24.86	252	15955	1.64	ng/ul	97

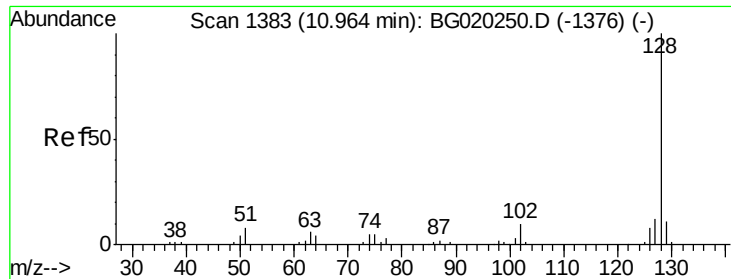
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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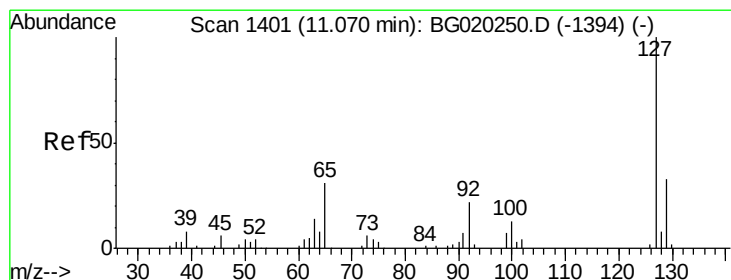
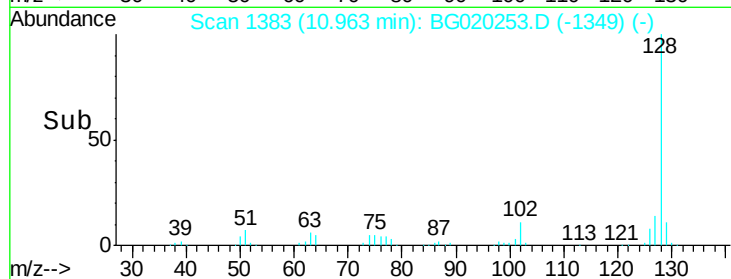
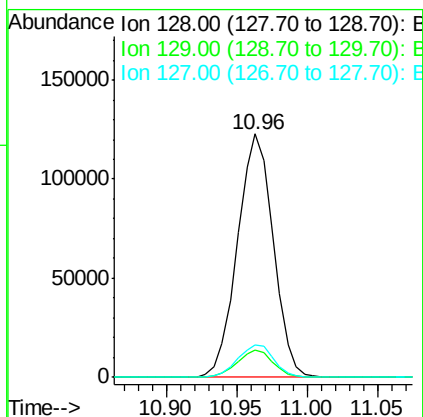
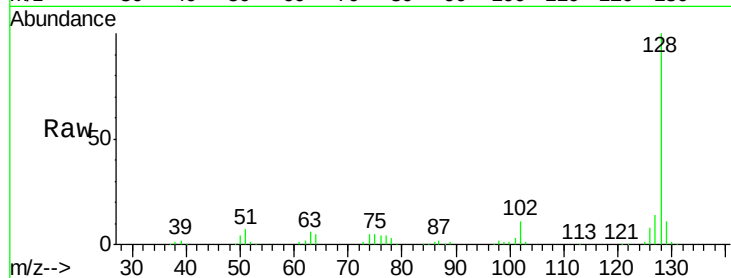




#28
Naphthalene
Concen: 56.80 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BG020253.D
Acq: 17 Dec 2015 19:51

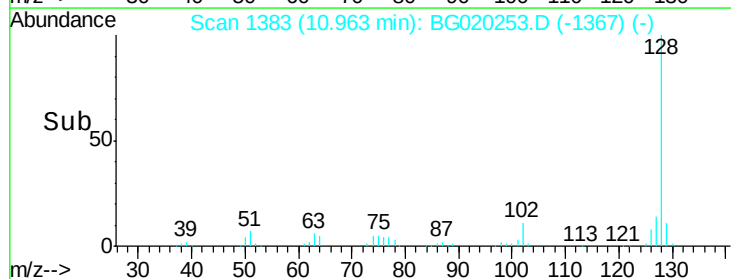
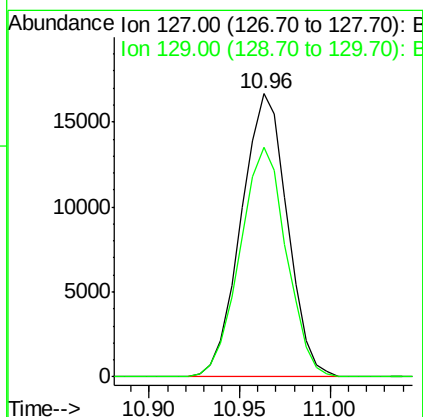
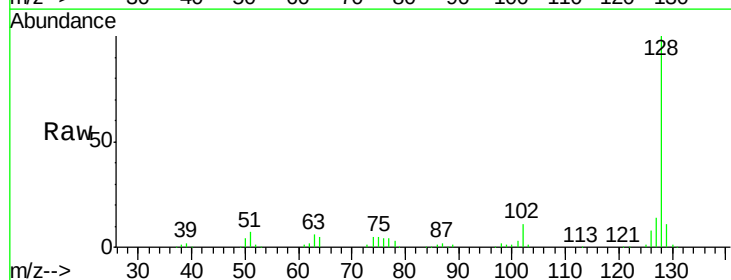
Instrument :
BNA_G
ClientSampleId :
G9BP0DL

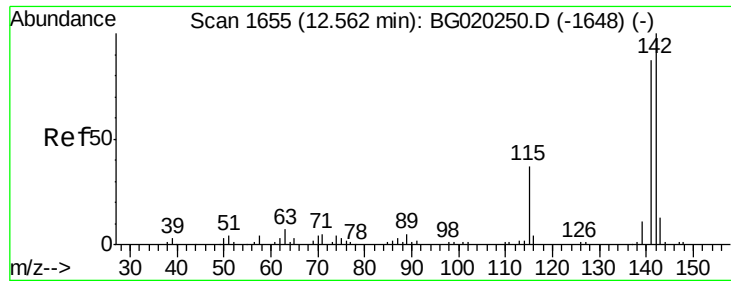
Tgt Ion:128 Resp: 217843
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.6 10.1 15.1



#30
4-Chloroaniline
Concen: 19.91 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.11 min
Lab File: BG020253.D
Acq: 17 Dec 2015 19:51

Tgt Ion:127 Resp: 29460
Ion Ratio Lower Upper
127 100
129 80.9 25.7 38.5#

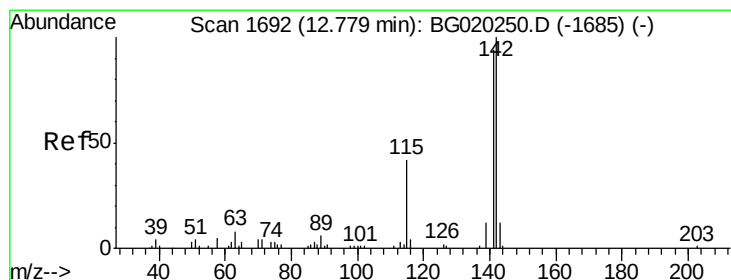
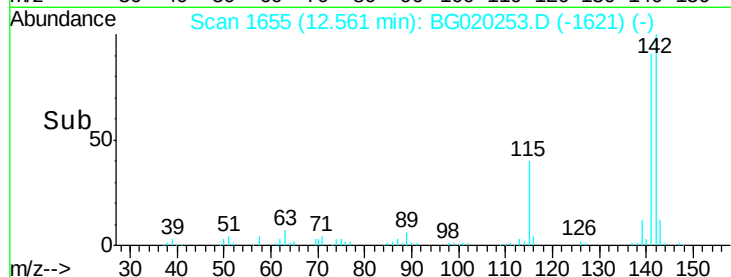
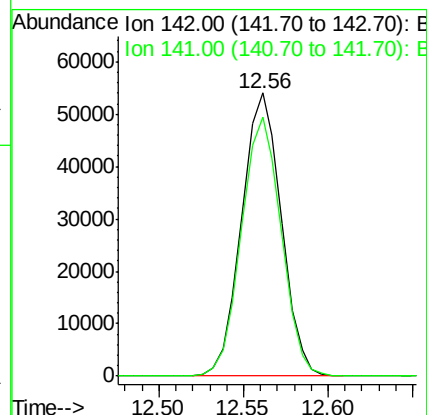
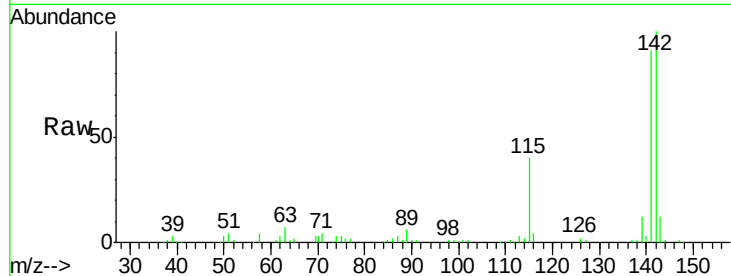




#34
 2-Methylnaphthalene
 Concen: 30.11 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

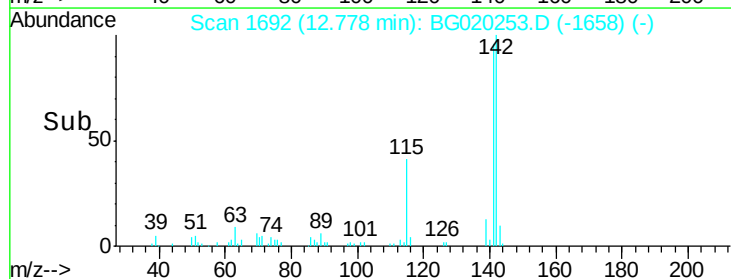
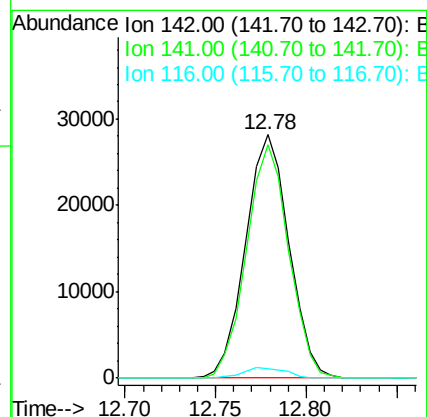
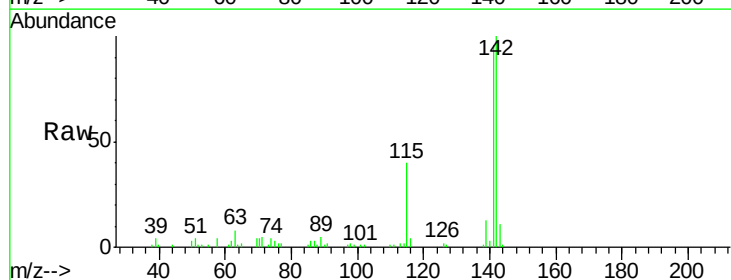
Instrument :
 BNA_G
 ClientSampleId :
 G9BP0DL

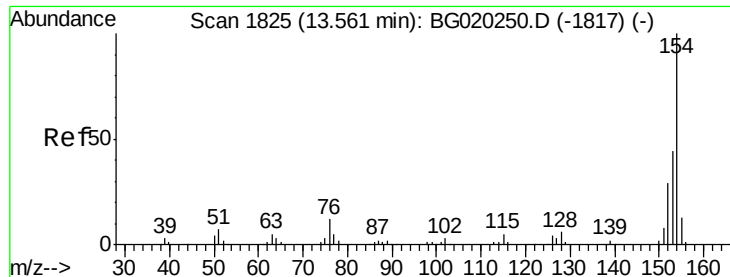
Tgt Ion:142 Resp: 88219
 Ion Ratio Lower Upper
 142 100
 141 91.4 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 16.65 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

Tgt Ion:142 Resp: 46905
 Ion Ratio Lower Upper
 142 100
 141 95.7 73.0 109.6
 116 4.0 3.0 4.6

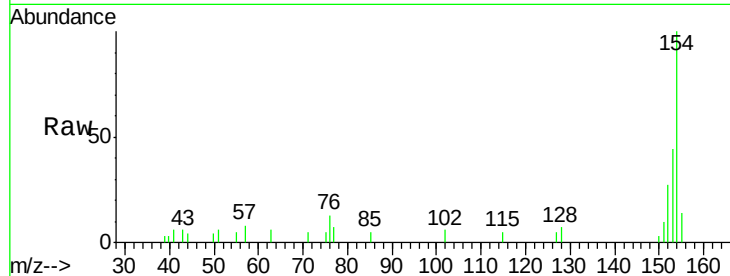




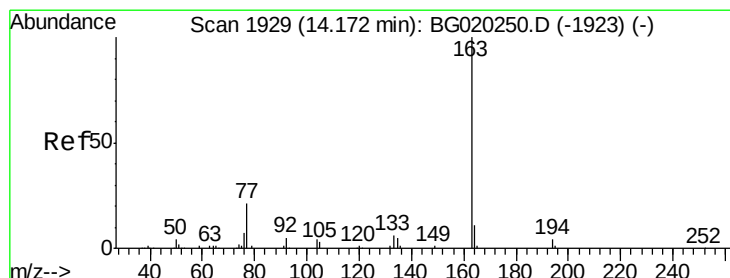
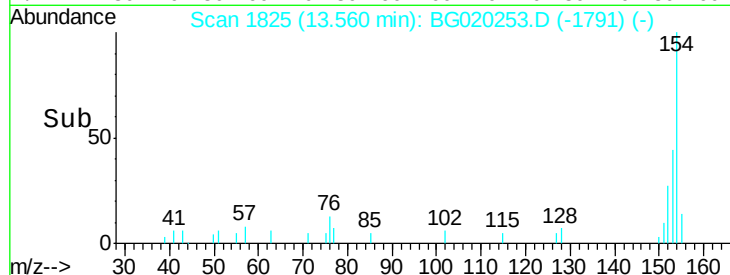
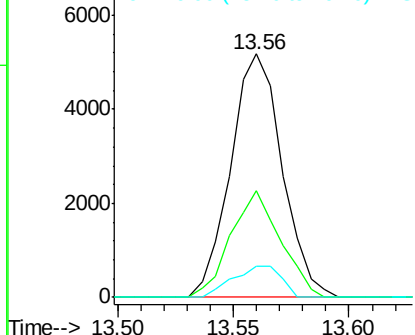
#41
 1,1'-Biphenyl
 Concen: 2.10 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

Instrument :
 BNA_G
 ClientSampleId :
 G9BP0DL

Tgt Ion:154 Resp: 8045
 Ion Ratio Lower Upper
 154 100
 153 43.8 35.5 53.3
 76 12.8 10.4 15.6

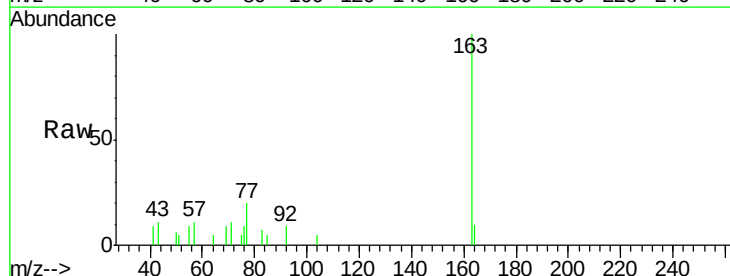


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

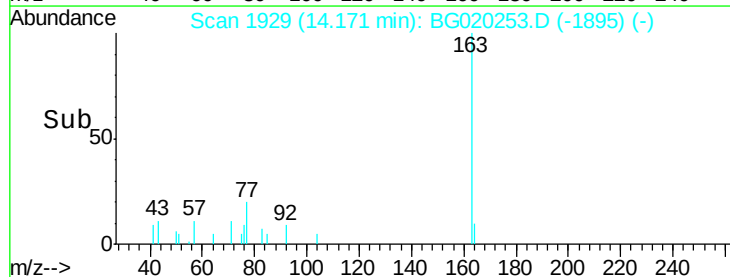
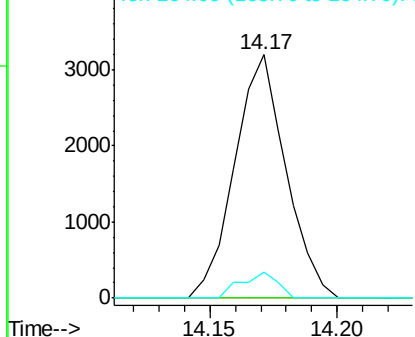


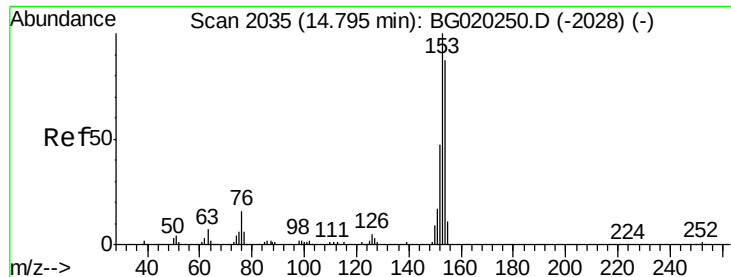
#45
 Dimethylphthalate
 Concen: 1.07 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

Tgt Ion:163 Resp: 4492
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.5 5.3#
 164 10.4 7.7 11.5



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





#50

Acenaphthene

Concen: 8.57 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

Instrument :

BNA_G

ClientSampleId :

G9BP0DL

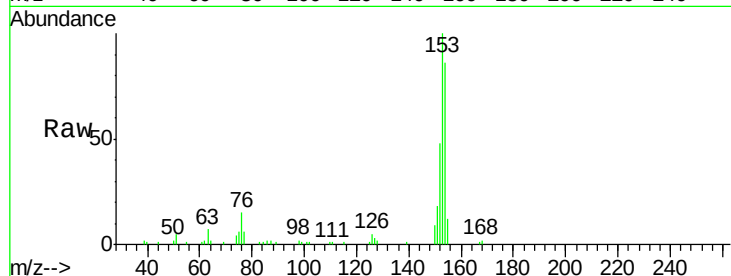
Tgt Ion:153 Resp: 29351

Ion Ratio Lower Upper

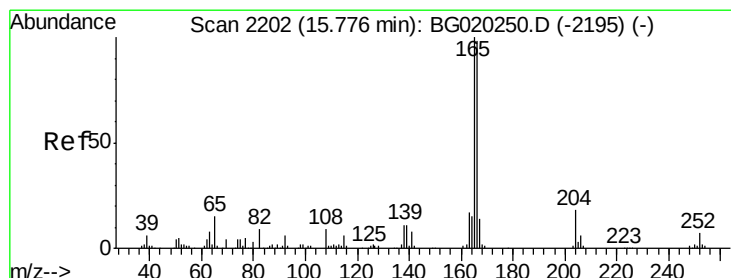
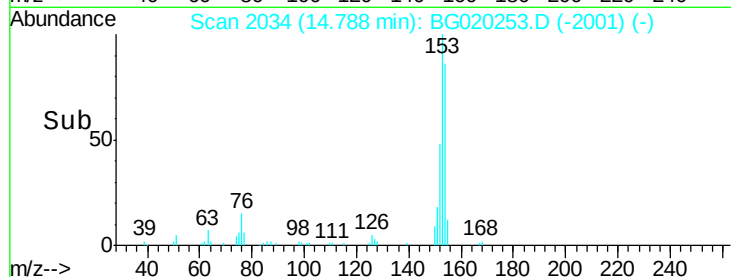
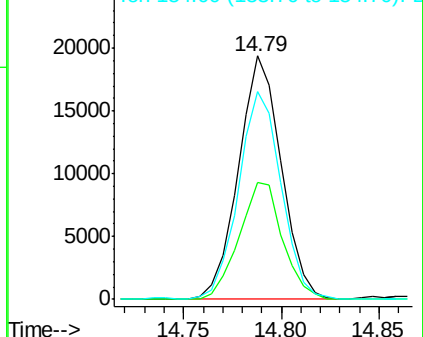
153 100

152 47.8 37.6 56.4

154 85.6 67.9 101.9



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 4.34 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

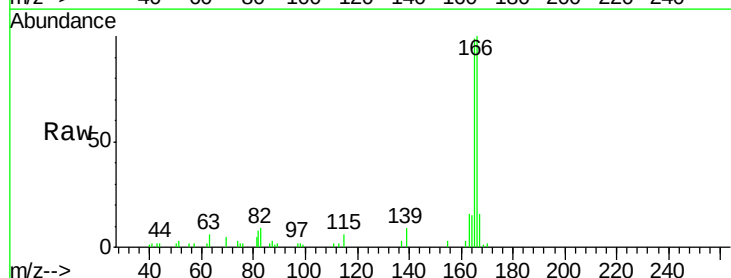
Tgt Ion:166 Resp: 17760

Ion Ratio Lower Upper

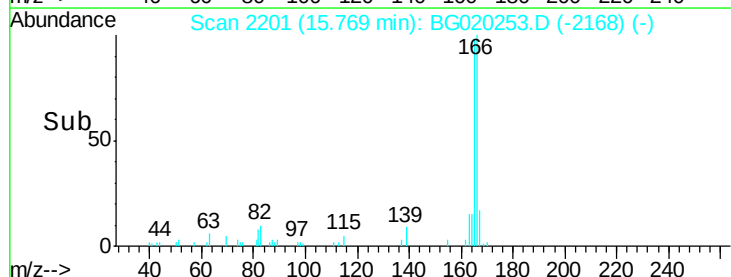
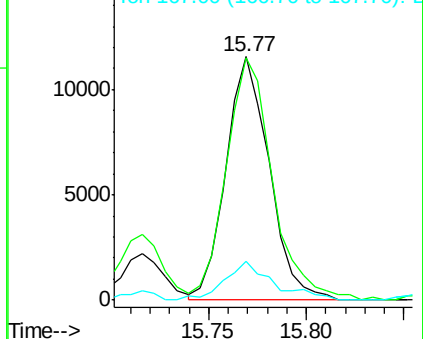
166 100

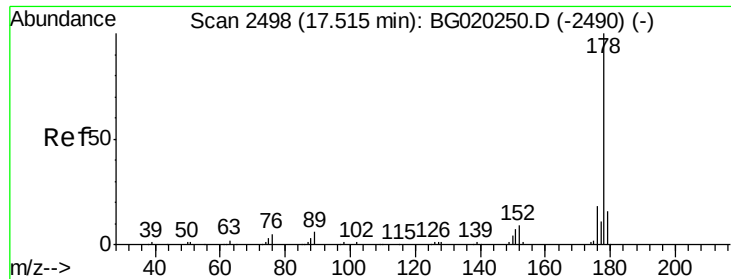
165 99.4 81.4 122.0

167 15.8 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 13.77 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. -0.00 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

Instrument :

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ClientSampleId :

G9BP0DL

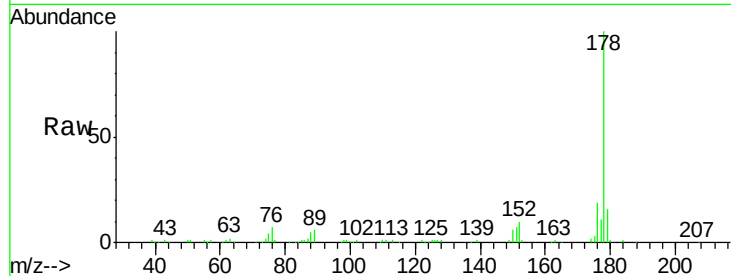
Tgt Ion:178 Resp: 99795

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

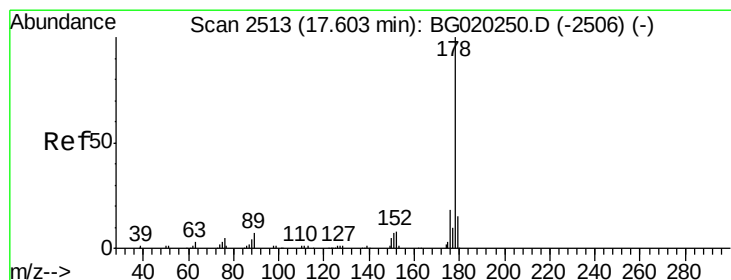
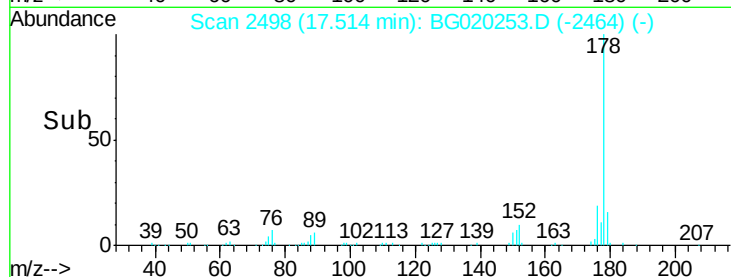
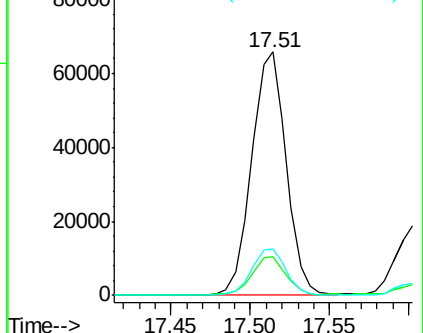
176 19.1 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 3.74 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

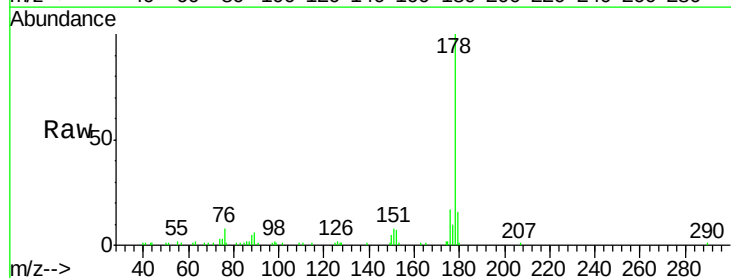
Tgt Ion:178 Resp: 27508

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

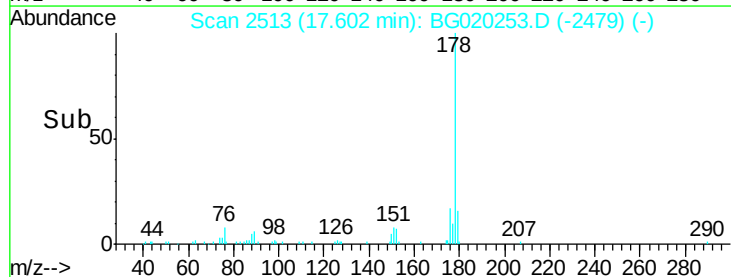
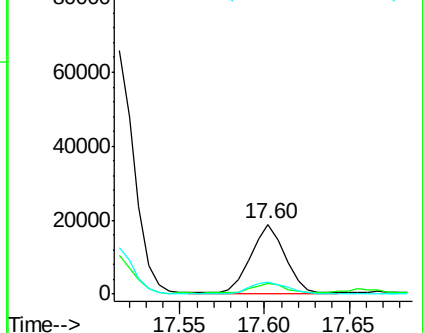
176 16.7 14.3 21.5

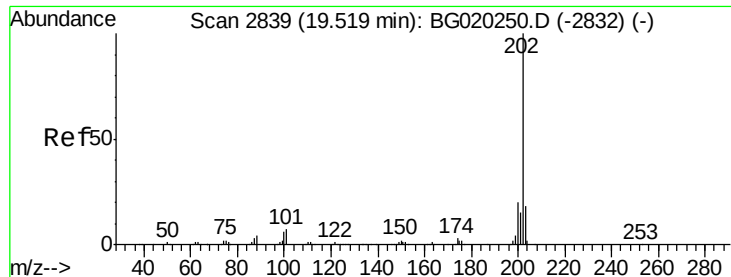


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

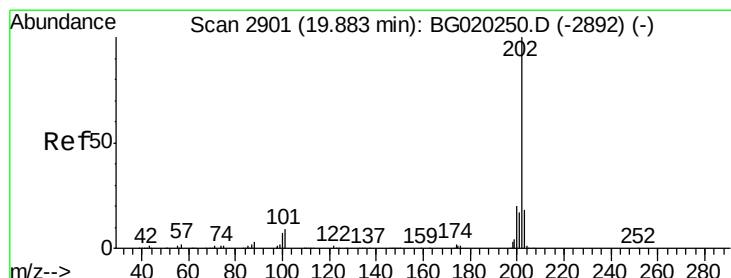
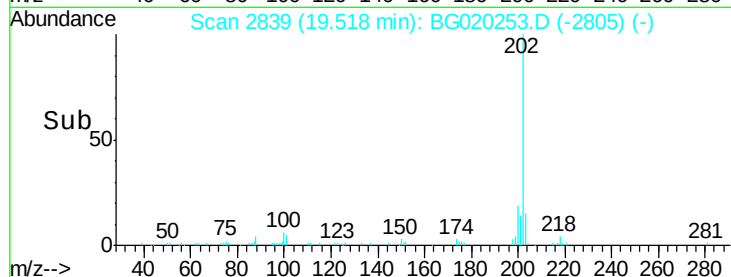
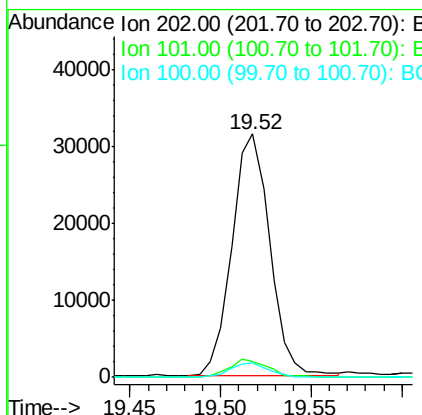
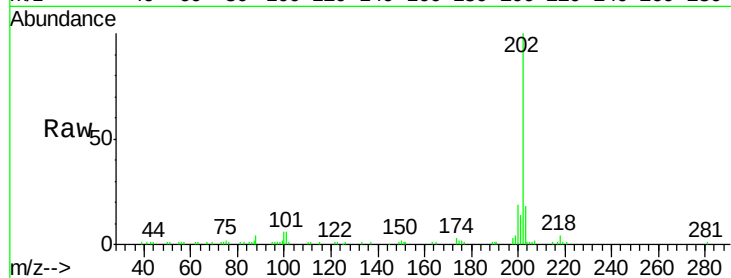




#77
 Fluoranthene
 Concen: 5.39 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

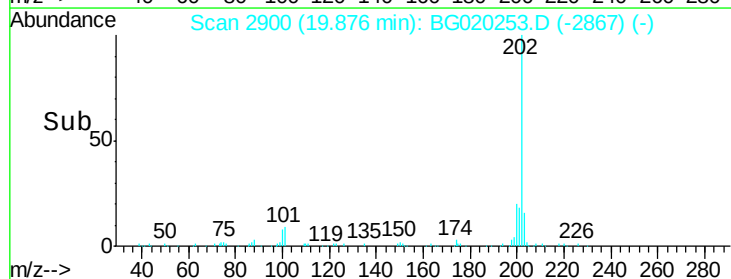
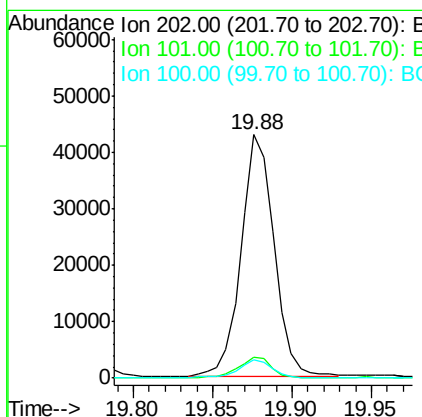
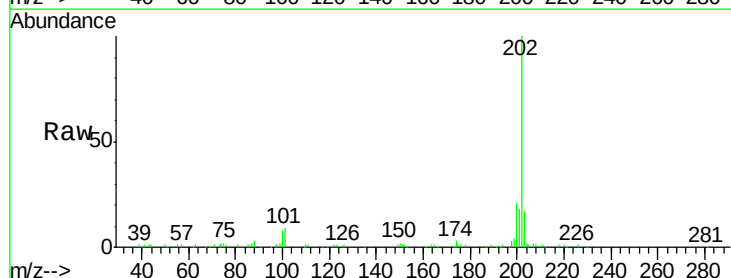
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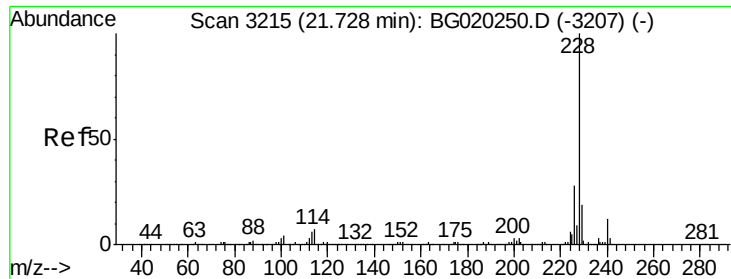
Tgt Ion:	202	Resp:	45625
Ion	Ratio	Lower	Upper
202	100		
101	6.4	6.2	9.4
100	6.0	5.1	7.7



#80
 Pyrene
 Concen: 5.69 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG020253.D
 Acq: 17 Dec 2015 19:51

Tgt Ion:	202	Resp:	61529
Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.8	6.4	9.6





#83

Benzo(a)anthracene

Concen: 2.59 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. -0.00 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

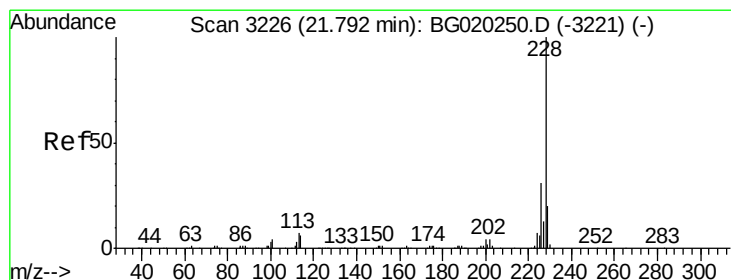
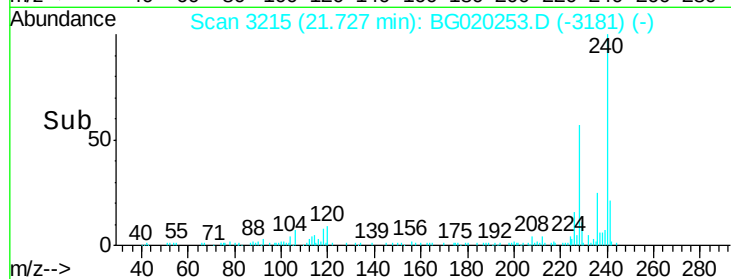
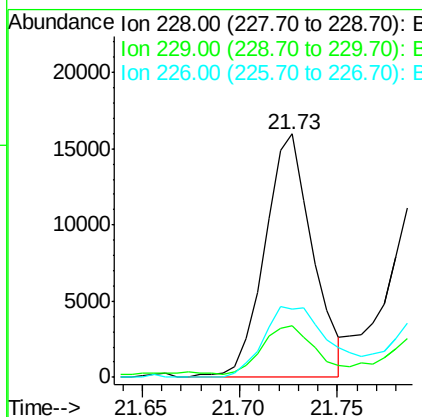
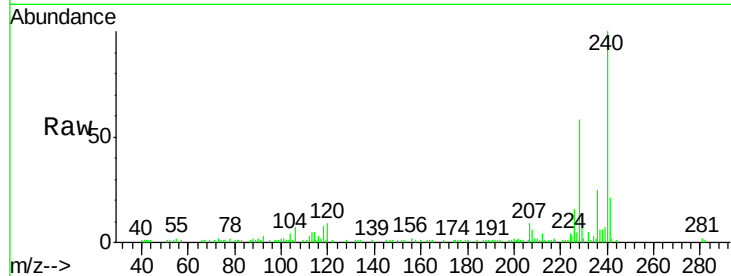
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	228	Resp:	27046
Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	28.2	21.8	32.6



#85

Chrysene

Concen: 2.24 ng/ul

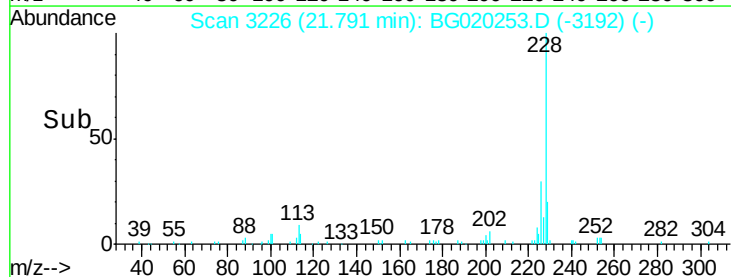
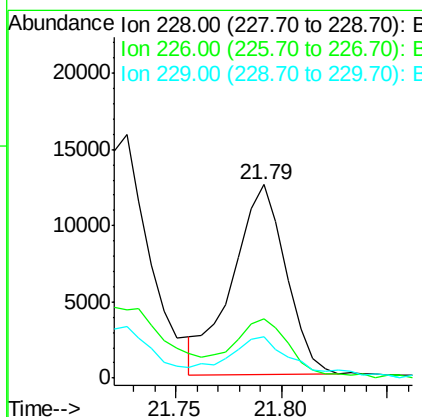
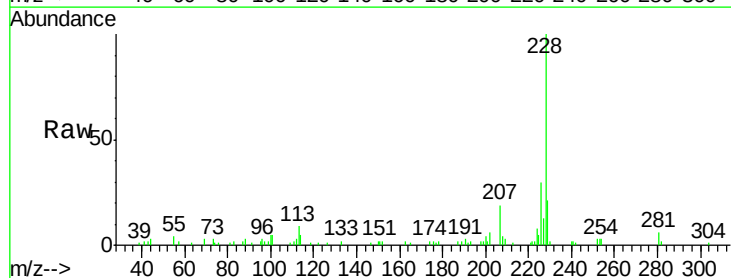
RT: 21.79 min Scan# 3226

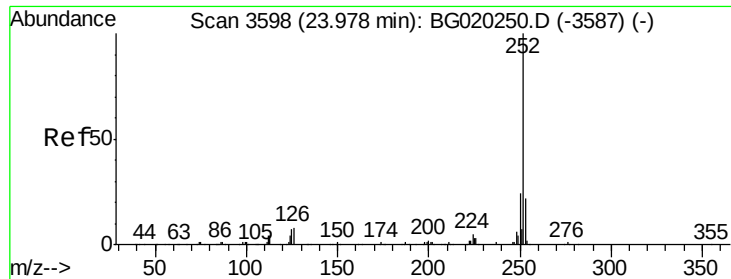
Delta R.T. -0.00 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

Tgt Ion:	228	Resp:	21955
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	21.4	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 1.29 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

Instrument :

BNA_G

ClientSampleId :

G9BP0DL

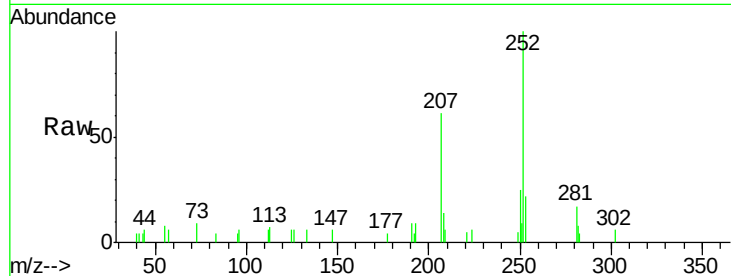
Tgt Ion:252 Resp: 13212

Ion Ratio Lower Upper

252 100

253 21.7 16.7 25.1

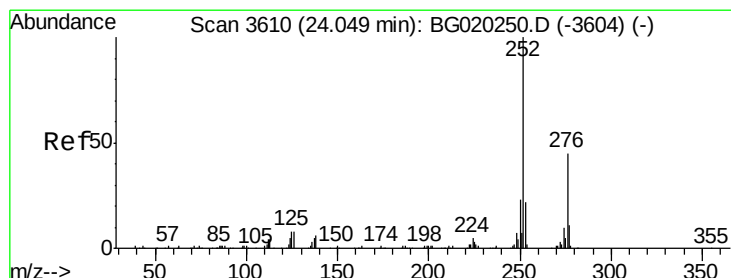
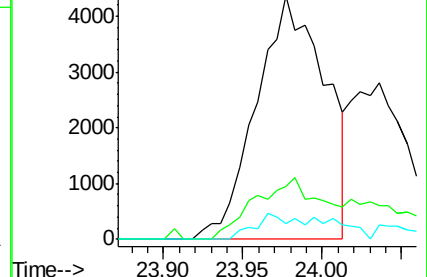
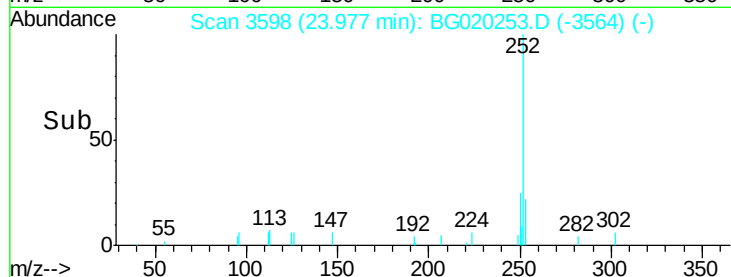
125 6.4 6.2 9.2



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(k)fluoranthene

Concen: 1.34 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.07 min

Lab File: BG020253.D

Acq: 17 Dec 2015 19:51

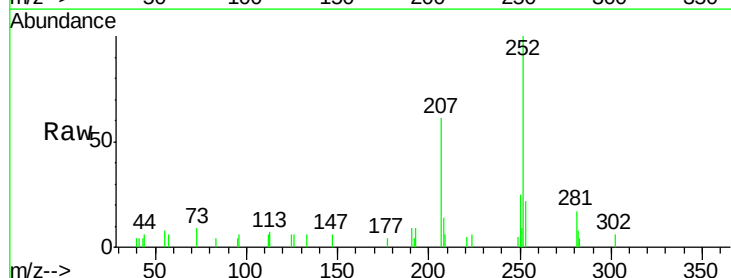
Tgt Ion:252 Resp: 13212

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

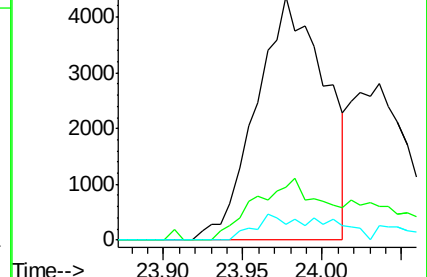
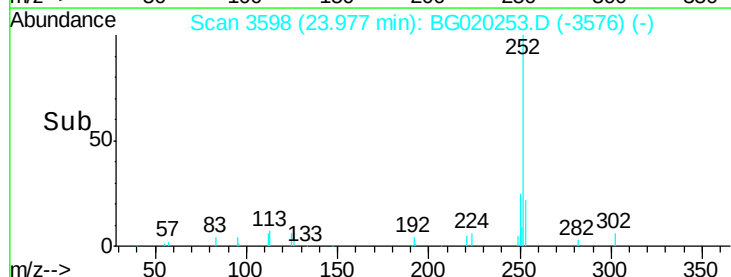
125 6.4 5.8 8.6

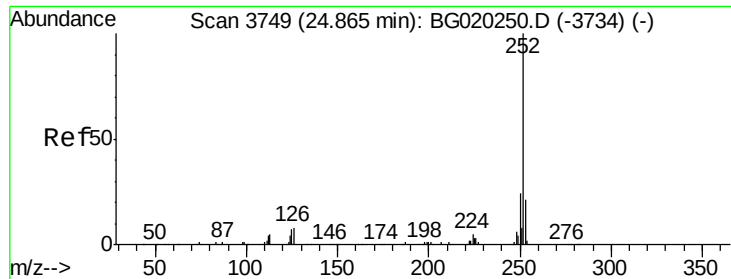


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 1.64 ng/ul

RT: 24.86 min Scan# 3748

Delta R.T. -0.01 min

Lab File: BG020253.D

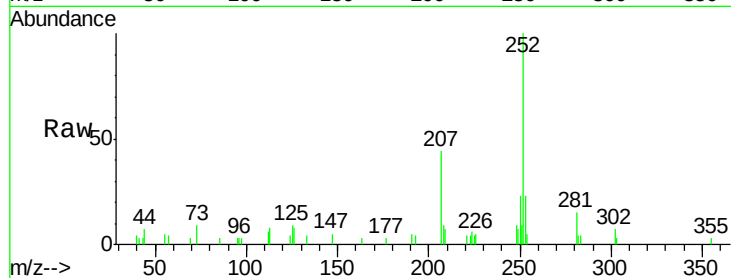
Acq: 17 Dec 2015 19:51

Instrument :

BNA_G

ClientSampleId :

G9BP0DL



Tgt Ion:	252	Resp:	15955
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.4
125	8.8	6.2	9.4

