

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
 Data File : BG020403.D
 Acq On : 22 Dec 2015 8:07
 Operator : UM/SJ
 Sample : G4848-08DL 30X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Quant Time: Dec 22 13:50:30 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17084	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	73459	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50719	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	123752	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	160214	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	131494	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	592	0.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	483	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	471	0.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	646	0.50	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	64	0.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	87	0.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	774	0.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	826	0.57	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3382	0.82	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3787	0.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	114	0.15	ng/ul	0.00
58) Fluorene-d10	15.71	176	3483	0.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	5691	1.00	ng/ul	0.00
79) Pyrene-d10	19.85	212	6193	0.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	5328	0.81	ng/ul	0.00

Target Compounds

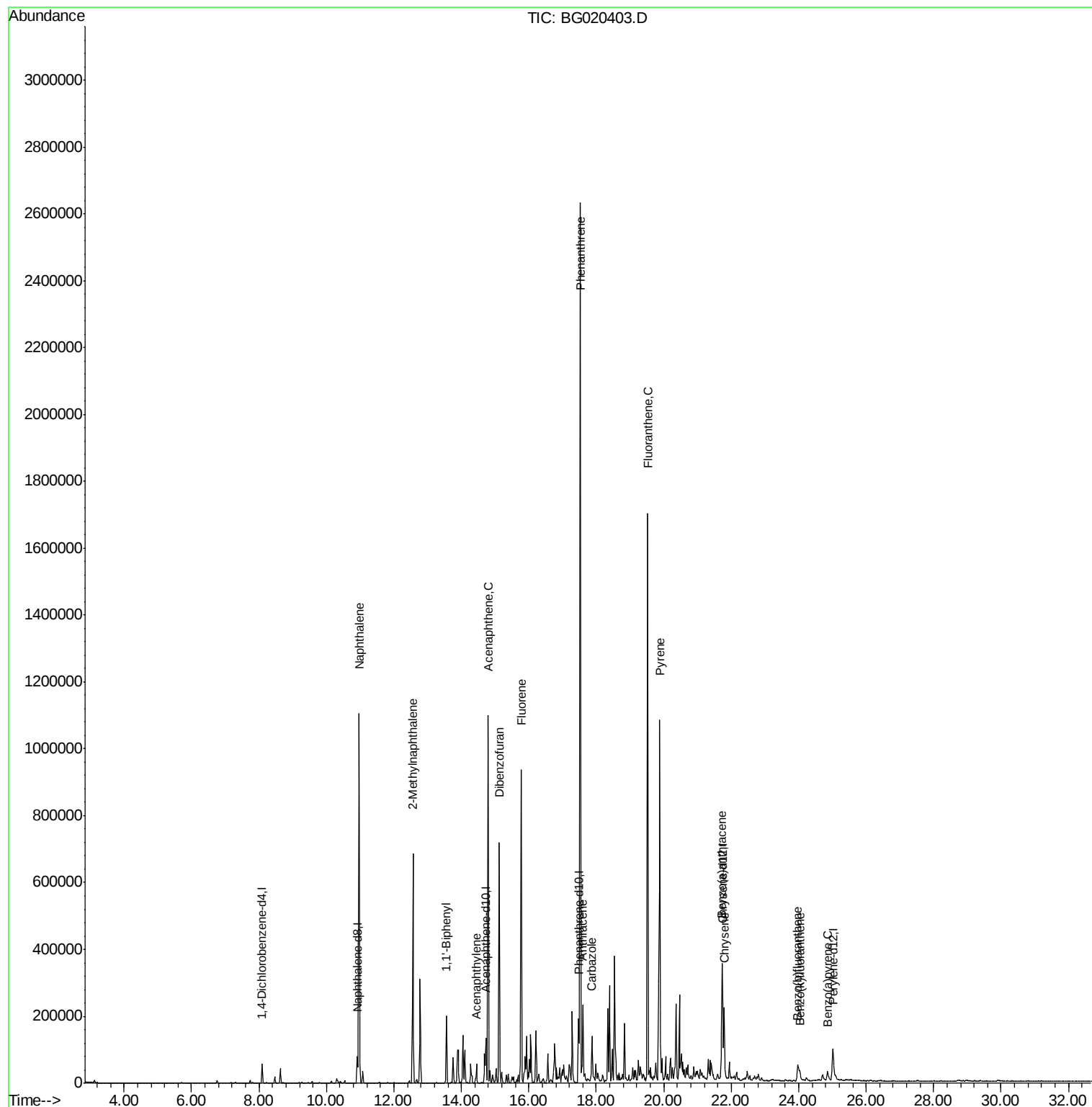
						Ovalue
28) Naphthalene	10.97	128	970042	252.87	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	316506	108.01	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	106340	27.79	ng/ul	98
48) Acenaphthylene	14.45	152	24215	4.78	ng/ul#	95
50) Acenaphthene	14.79	153	467540	137.03	ng/ul	99
54) Dibenzofuran	15.12	168	466678	91.95	ng/ul	98
59) Fluorene	15.77	166	449473	110.28	ng/ul	99
70) Phenanthrene	17.53	178	1737014m	256.61	ng/ul	
72) Anthracene	17.60	178	162815	23.71	ng/ul	99
75) Carbazole	17.87	167	86923	15.07	ng/ul	99
77) Fluoranthene	19.52	202	1126574	142.41	ng/ul	99
80) Pyrene	19.88	202	769194	79.32	ng/ul	99
83) Benzo(a)anthracene	21.72	228	191095	20.44	ng/ul	98
85) Chrysene	21.79	228	161538	18.35	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	80322	10.15	ng/ul#	92
89) Benzo(k)fluoranthene	24.03	252	31625m	4.16	ng/ul	
91) Benzo(a)pyrene	24.85	252	37848	5.04	ng/ul	95

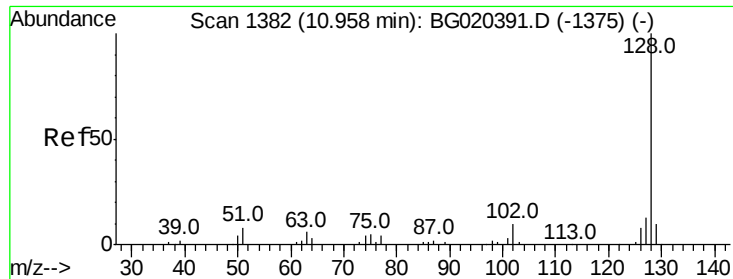
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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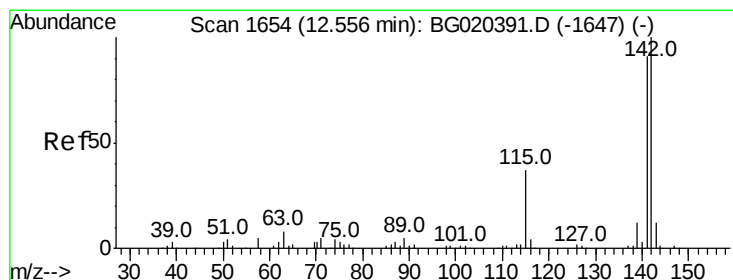
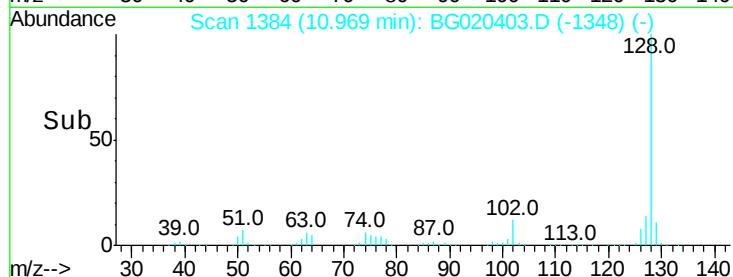
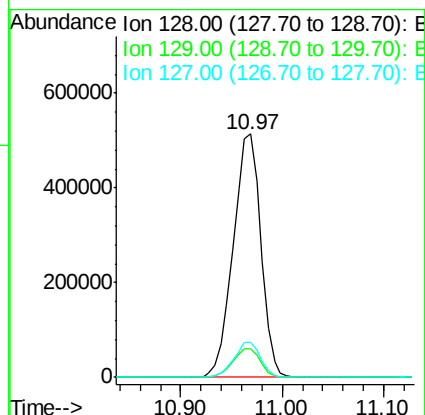
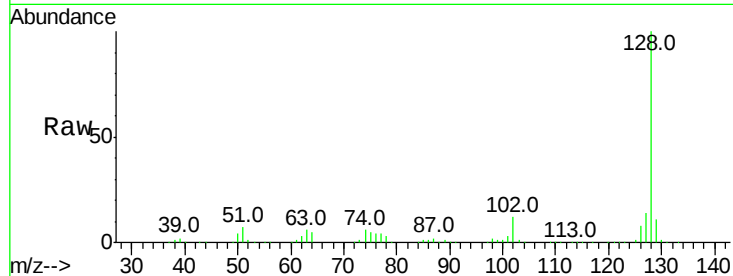




#28
Naphthalene
Concen: 252.87 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BG020403.D
Acq: 22 Dec 2015 8:07

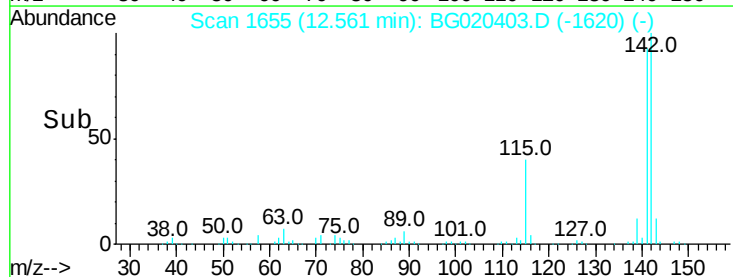
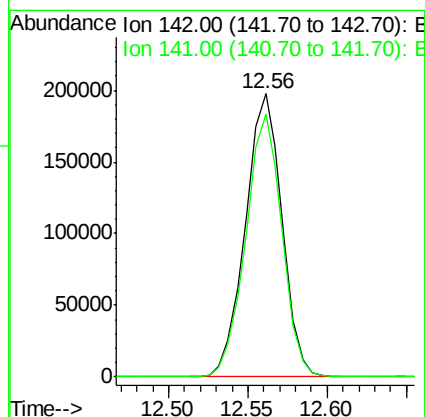
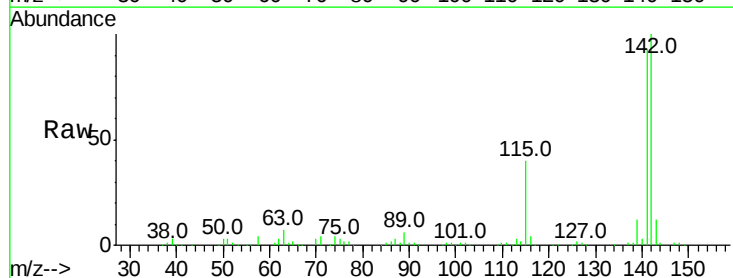
Instrument :
BNA_G
ClientSampleId :
D9N54DL

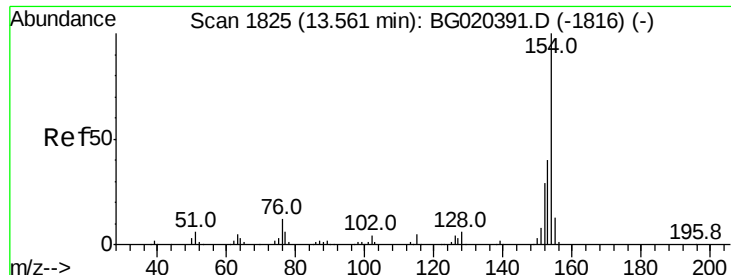
Tot Ion:128 Resp: 970042
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 14.2 10.1 15.1



#34
2-Methylnaphthalene
Concen: 108.01 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020403.D
Acq: 22 Dec 2015 8:07

Tgt Ion:142 Resp: 316506
Ion Ratio Lower Upper
142 100
141 93.1 74.9 112.3

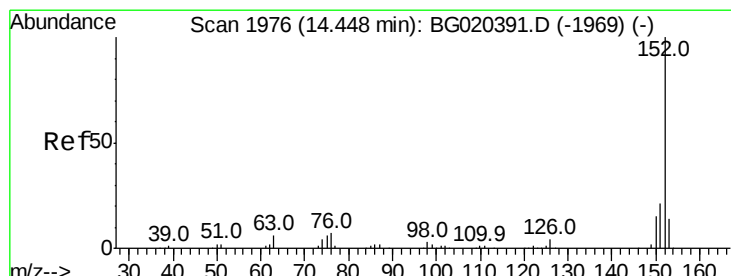
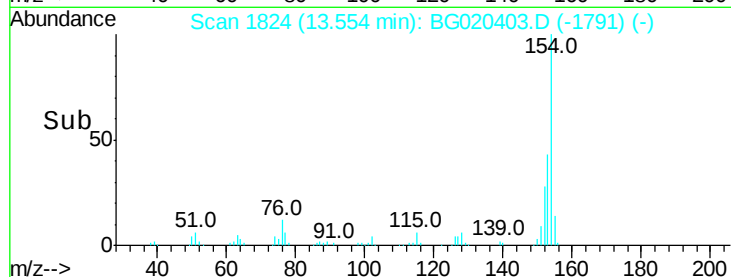
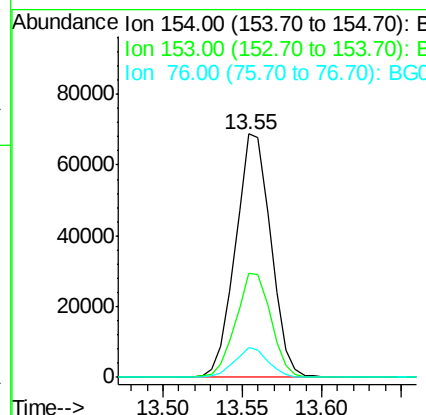
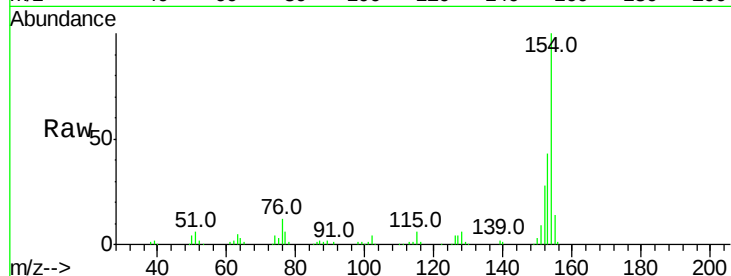




#41
 1,1'-Biphenyl
 Concen: 27.79 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BG020403.D
 Acq: 22 Dec 2015 8:07

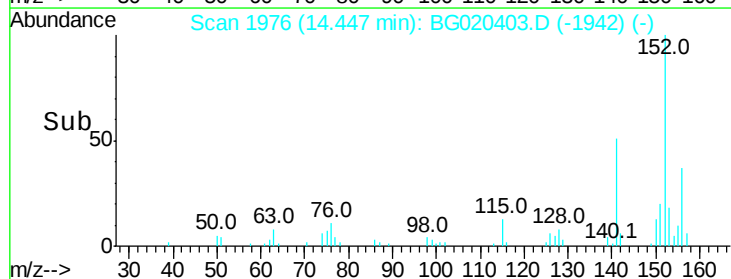
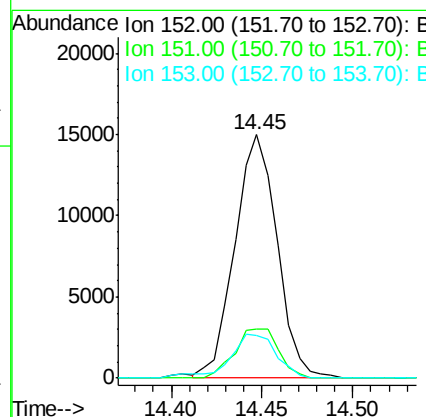
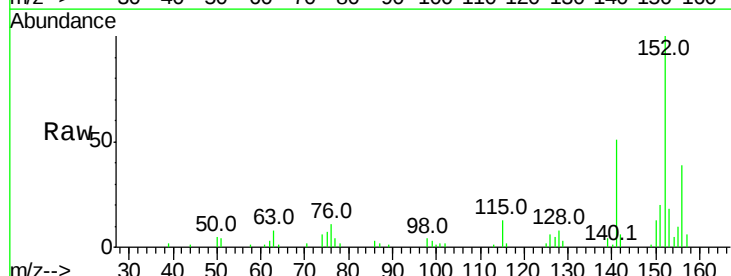
Instrument :
 BNA_G
 ClientSampleID :
 D9N54DL

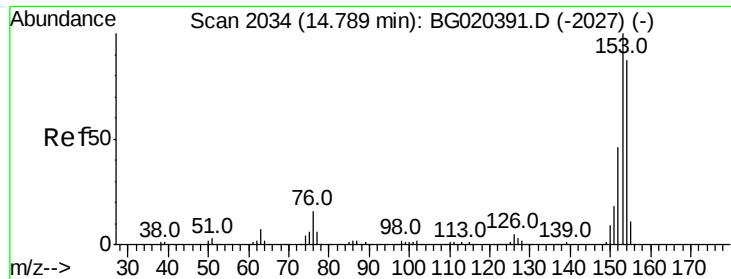
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.8	35.5	53.3
76	12.0	10.4	15.6



#48
 Acenaphthylene
 Concen: 4.78 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG020403.D
 Acq: 22 Dec 2015 8:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	17.8	10.4	15.6#





#50

Acenaphthene

Concen: 137.03 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Instrument :

BNA_G

ClientSampleId :

D9N54DL

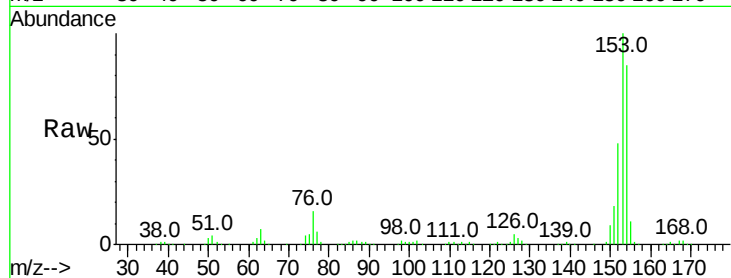
Tot Ion:153 Resp: 467540

Ion Ratio Lower Upper

153 100

152 48.5 37.6 56.4

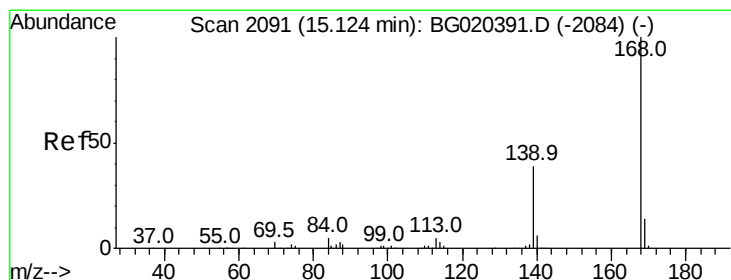
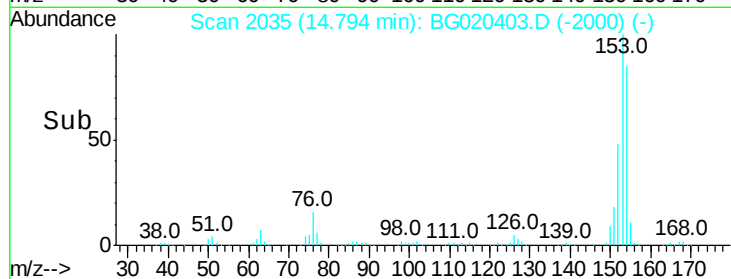
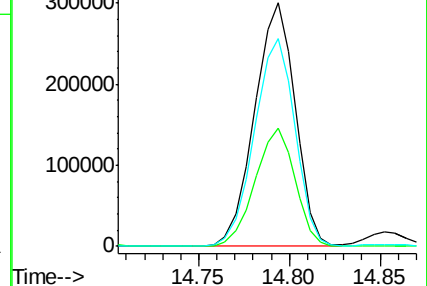
154 85.2 67.9 101.9



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



#54

Dibenzofuran

Concen: 91.95 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020403.D

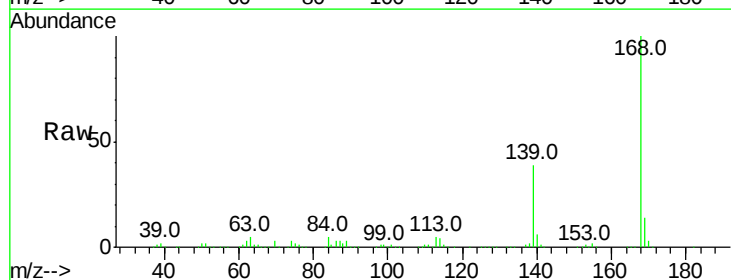
Acq: 22 Dec 2015 8:07

Tgt Ion:168 Resp: 466678

Ion Ratio Lower Upper

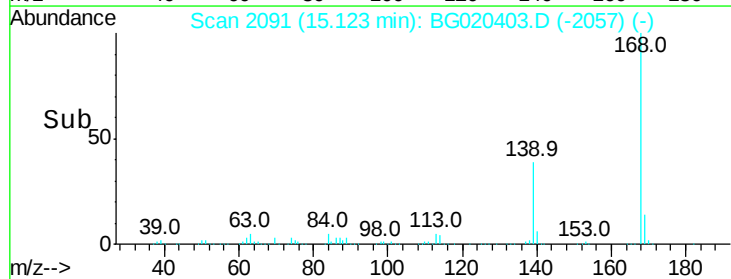
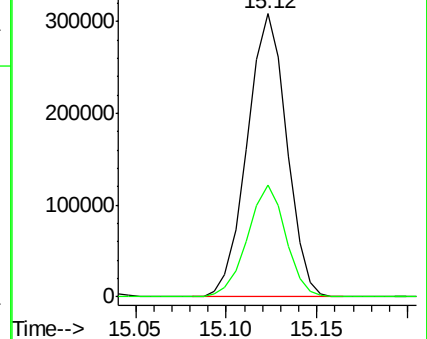
168 100

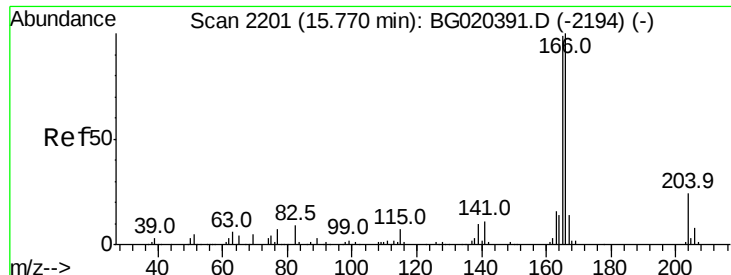
139 39.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 110.28 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Instrument :

BNA_G

ClientSampleId :

D9N54DL

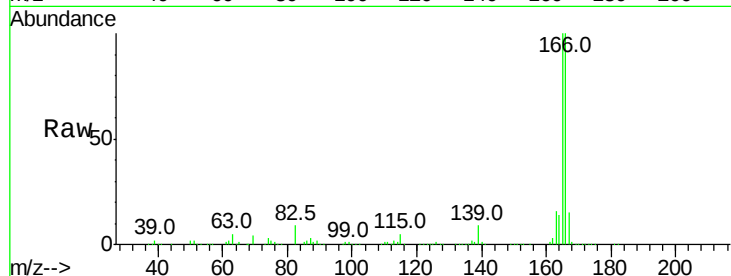
Tot Ion:166 Resp: 449473

Ion Ratio Lower Upper

166 100

165 100.3 81.4 122.0

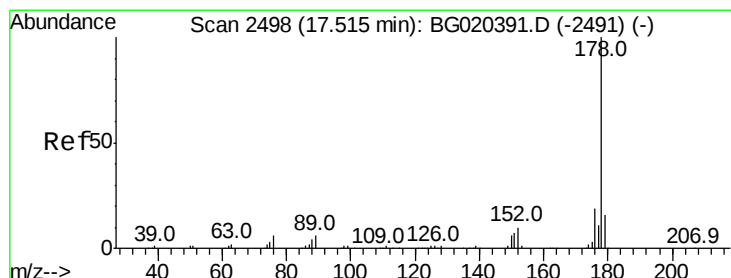
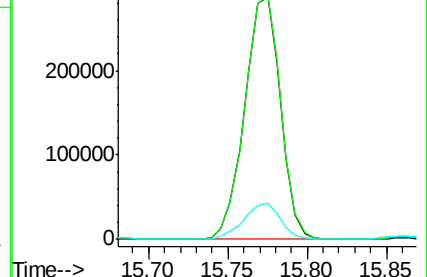
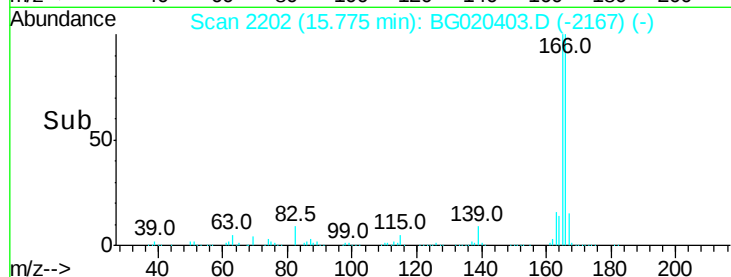
167 14.7 11.2 16.8



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: 256.61 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

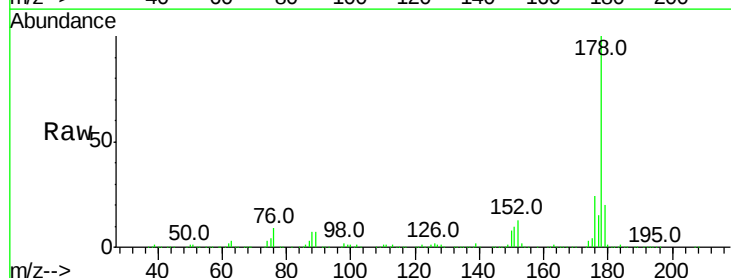
Tgt Ion:178 Resp: 1737014

Ion Ratio Lower Upper

178 100

179 19.9 12.9 19.3#

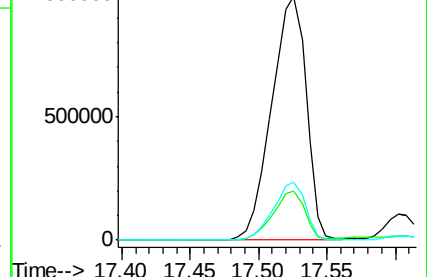
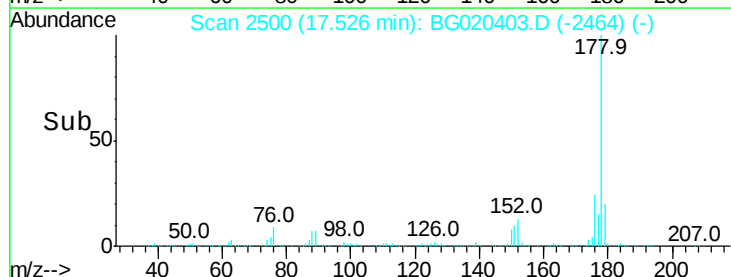
176 24.1 15.3 22.9#

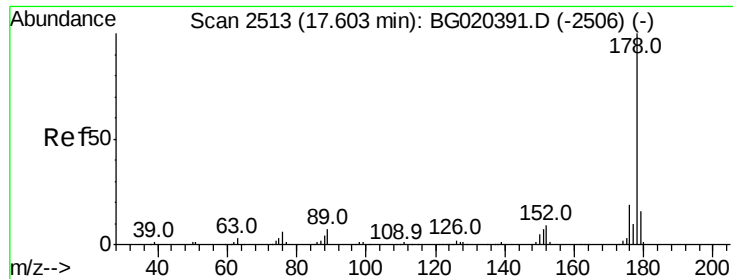


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 23.71 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Instrument :

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ClientSampleId :

D9N54DL

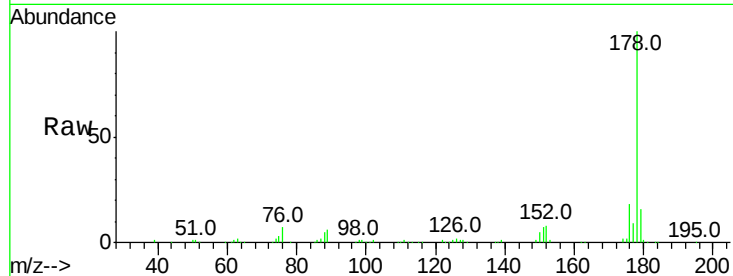
Tot Ion:178 Resp: 162815

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	18.0	14.3	21.5

178 100

179 16.2 12.3 18.5

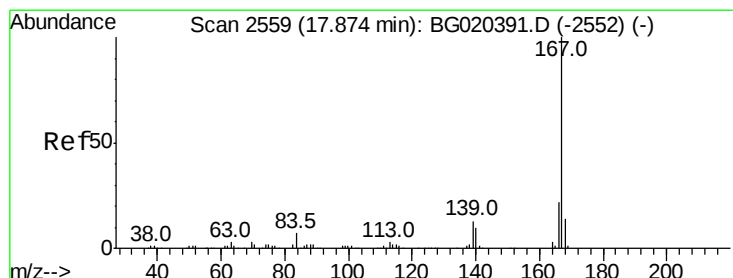
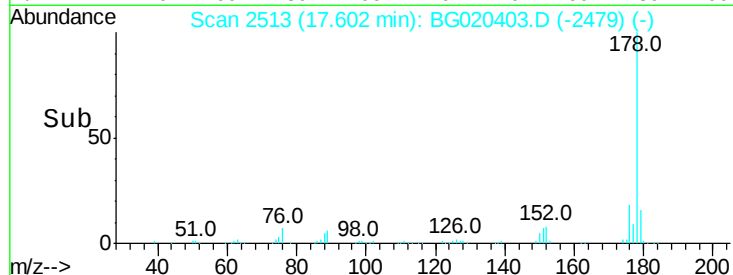
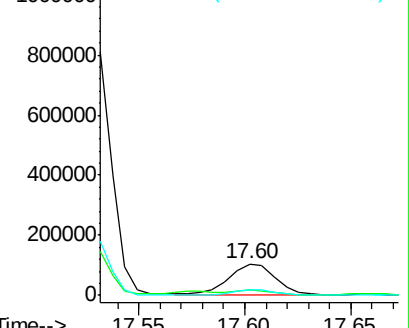
176 18.0 14.3 21.5



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



#75

Carbazole

Concen: 15.07 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

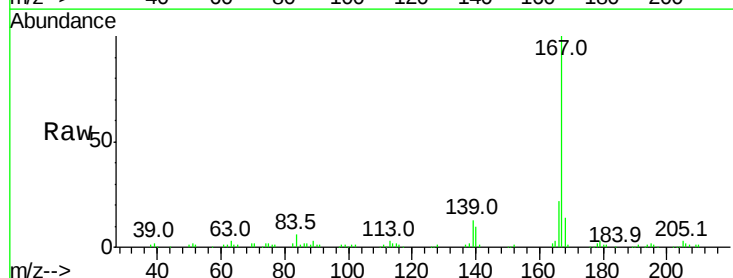
Tgt Ion:167 Resp: 86923

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.6	10.1	15.1

167 100

166 21.9 17.0 25.6

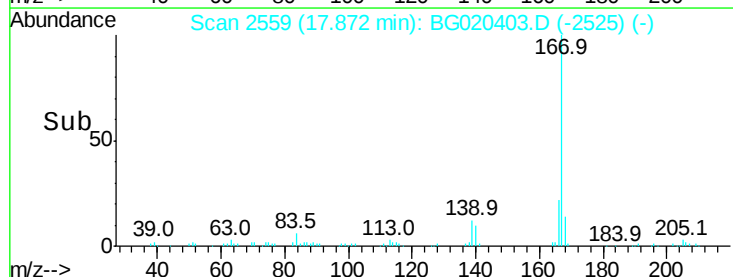
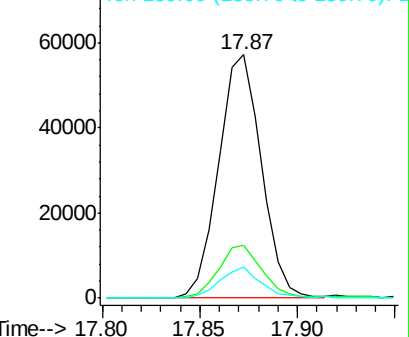
139 12.6 10.1 15.1

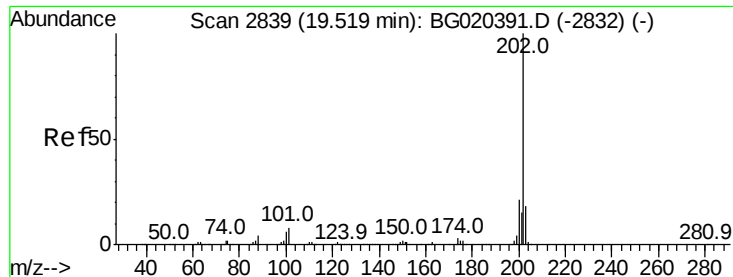


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

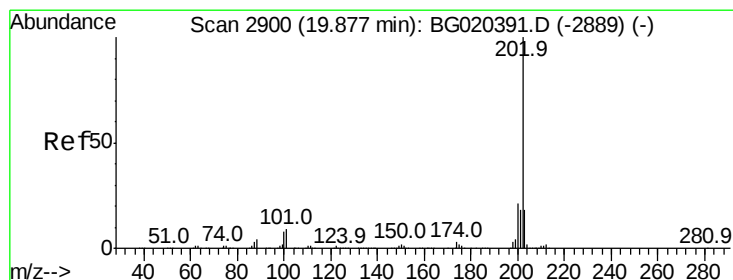
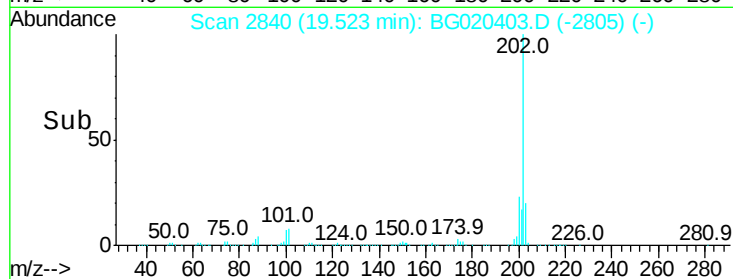
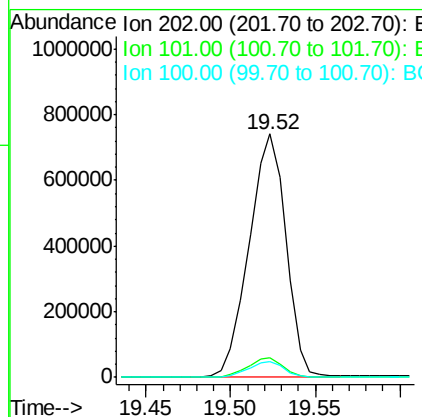
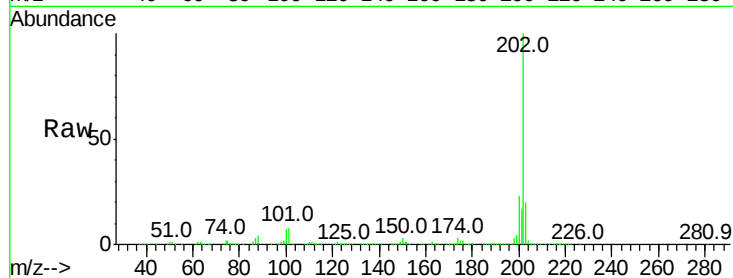




#77
 Fluoranthene
 Concen: 142.41 ng/ul
 RT: 19.52 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: BG020403.D
 Acq: 22 Dec 2015 8:07

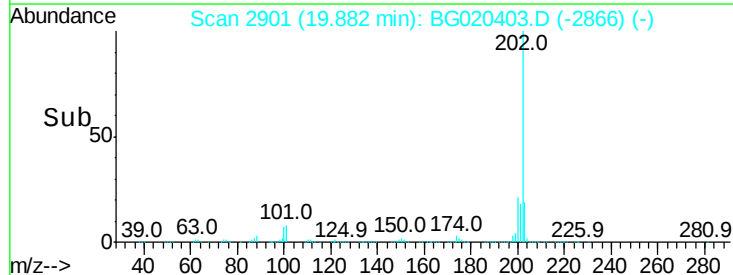
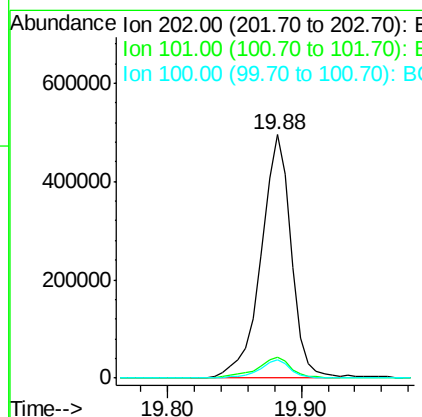
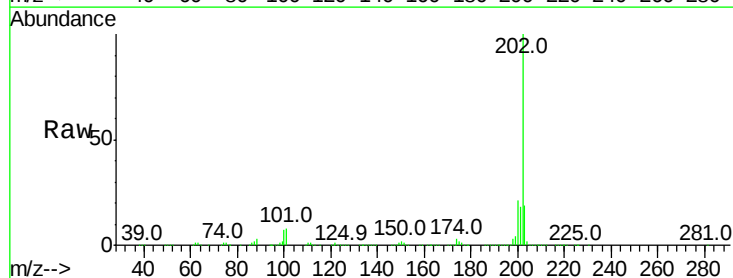
Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

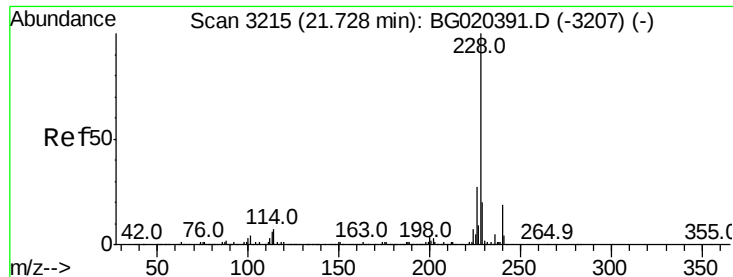
Tot Ion:202 Resp: 1126574
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.2 9.4
 100 6.5 5.1 7.7



#80
 Pyrene
 Concen: 79.32 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BG020403.D
 Acq: 22 Dec 2015 8:07

Tgt Ion:202 Resp: 769194
 Ion Ratio Lower Upper
 202 100
 101 8.4 7.0 10.4
 100 7.4 6.4 9.6





#83

Benzo(a)anthracene

Concen: 20.44 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

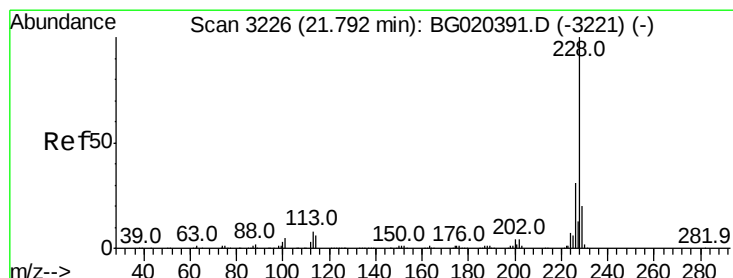
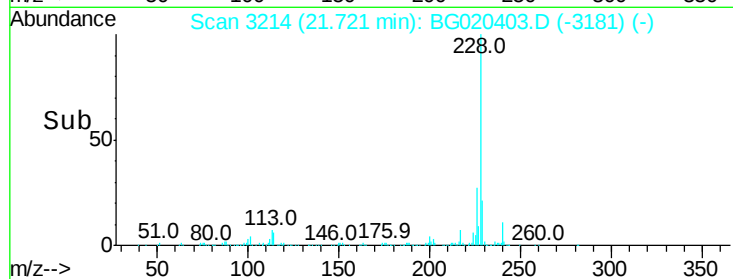
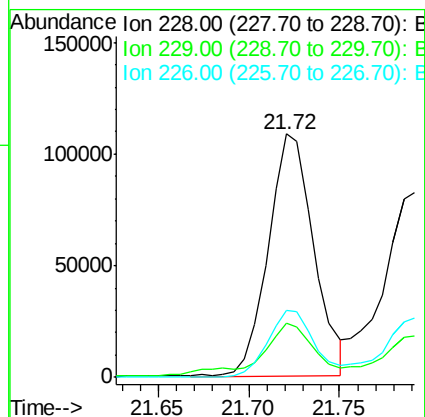
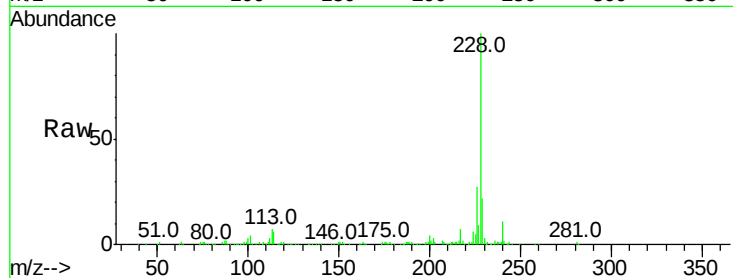
Instrument :

BNA_G

ClientSampleID :

D9N54DL

Tot Ion:228	Resp:	191095
Ion Ratio	Lower	Upper
228	100	
229	22.0	15.8 23.8
226	27.5	21.8 32.6



#85

Chrysene

Concen: 18.35 ng/ul

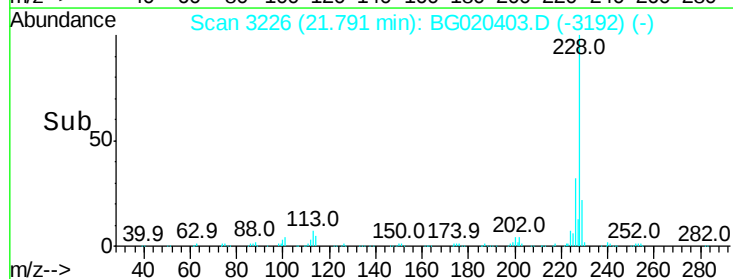
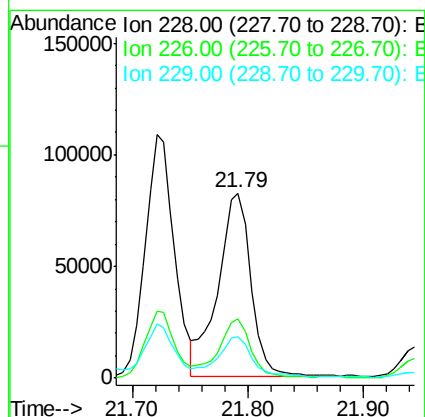
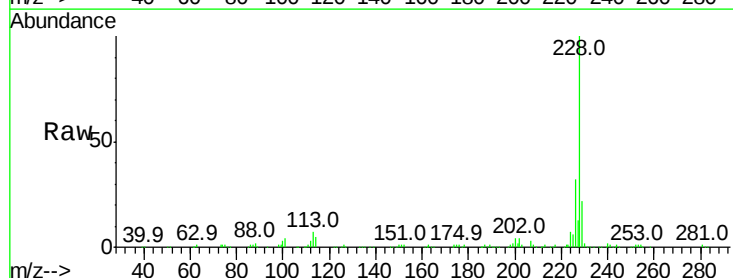
RT: 21.79 min Scan# 3226

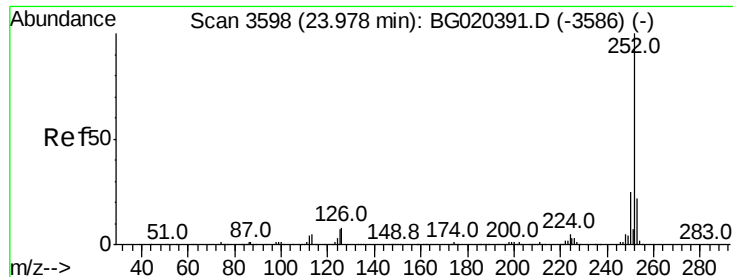
Delta R.T. -0.00 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Tgt Ion:228	Resp:	161538
Ion Ratio	Lower	Upper
228	100	
226	32.1	23.9 35.9
229	22.3	15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 10.15 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Instrument :

BNA_G

ClientSampleId :

D9N54DL

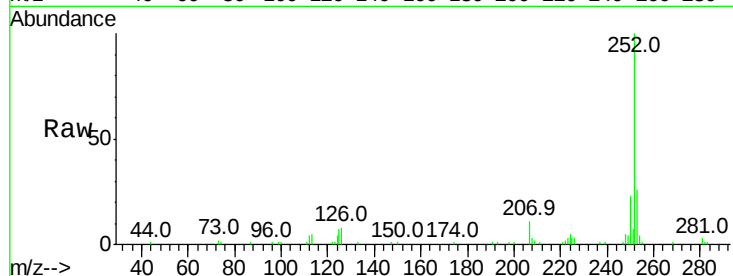
Tot Ion:252 Resp: 80322

Ion Ratio Lower Upper

252 100

253 26.0 16.7 25.1#

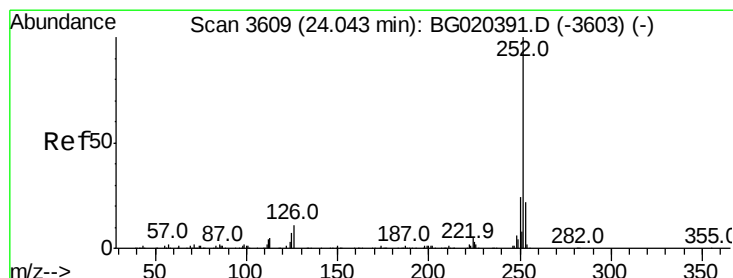
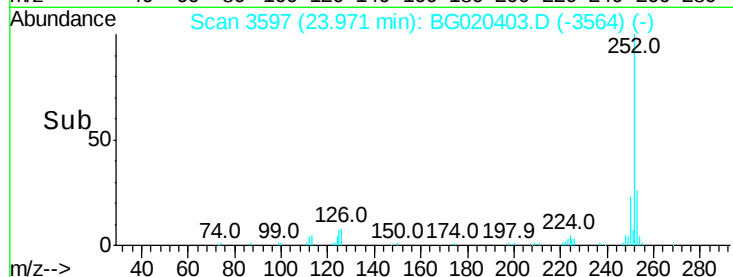
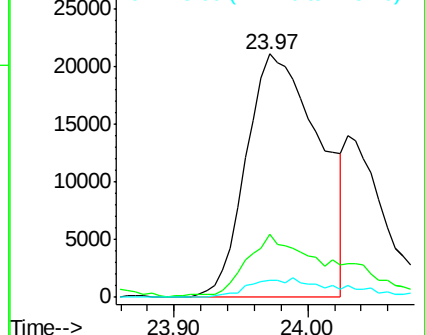
125 7.2 6.2 9.2



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: 4.16 ng/ul m

RT: 24.03 min Scan# 3607

Delta R.T. -0.01 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

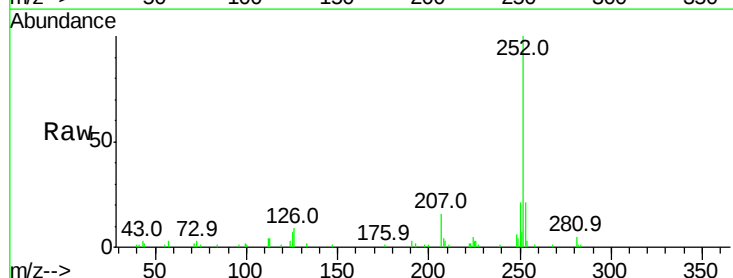
Tgt Ion:252 Resp: 31625

Ion Ratio Lower Upper

252 100

253 20.7 17.9 26.9

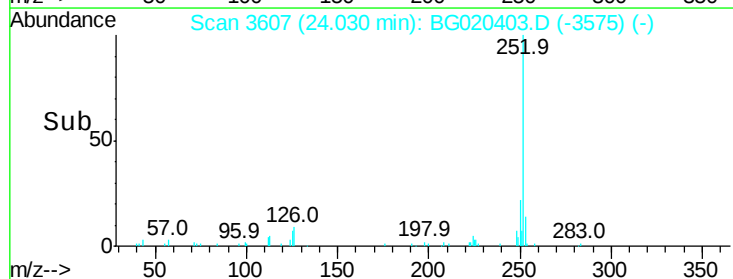
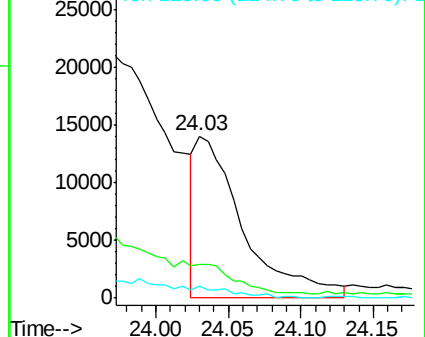
125 7.1 5.8 8.6

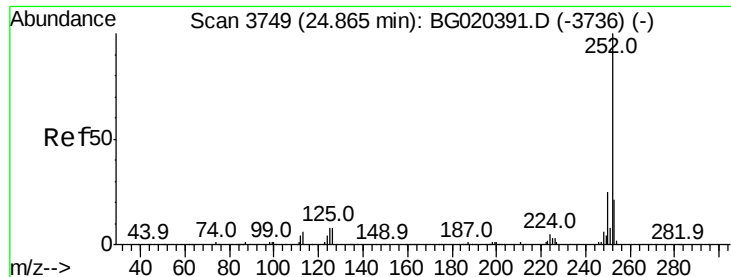


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.04 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020403.D

Acq: 22 Dec 2015 8:07

Instrument :

BNA_G

ClientSampleId :

D9N54DL

Tot Ion:252 Resp: 37848

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 7.1 6.2 9.4

