

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122115\
 Data File : BG020402.D
 Acq On : 22 Dec 2015 7:28
 Operator : UM/SJ
 Sample : G4848-07DL 25X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53DL

Quant Time: Dec 22 13:45:28 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	15631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	69747	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	50001	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	127774	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	156921	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	134369	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	887	0.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	554	0.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	735	0.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	781	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	236	0.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	338	0.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	934	0.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1052	0.76	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	4173	1.03	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4625	0.98	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4130	1.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	6852	1.16	ng/ul	0.00
79) Pyrene-d10	19.85	212	7139	0.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	6421	0.96	ng/ul	0.00

Target Compounds

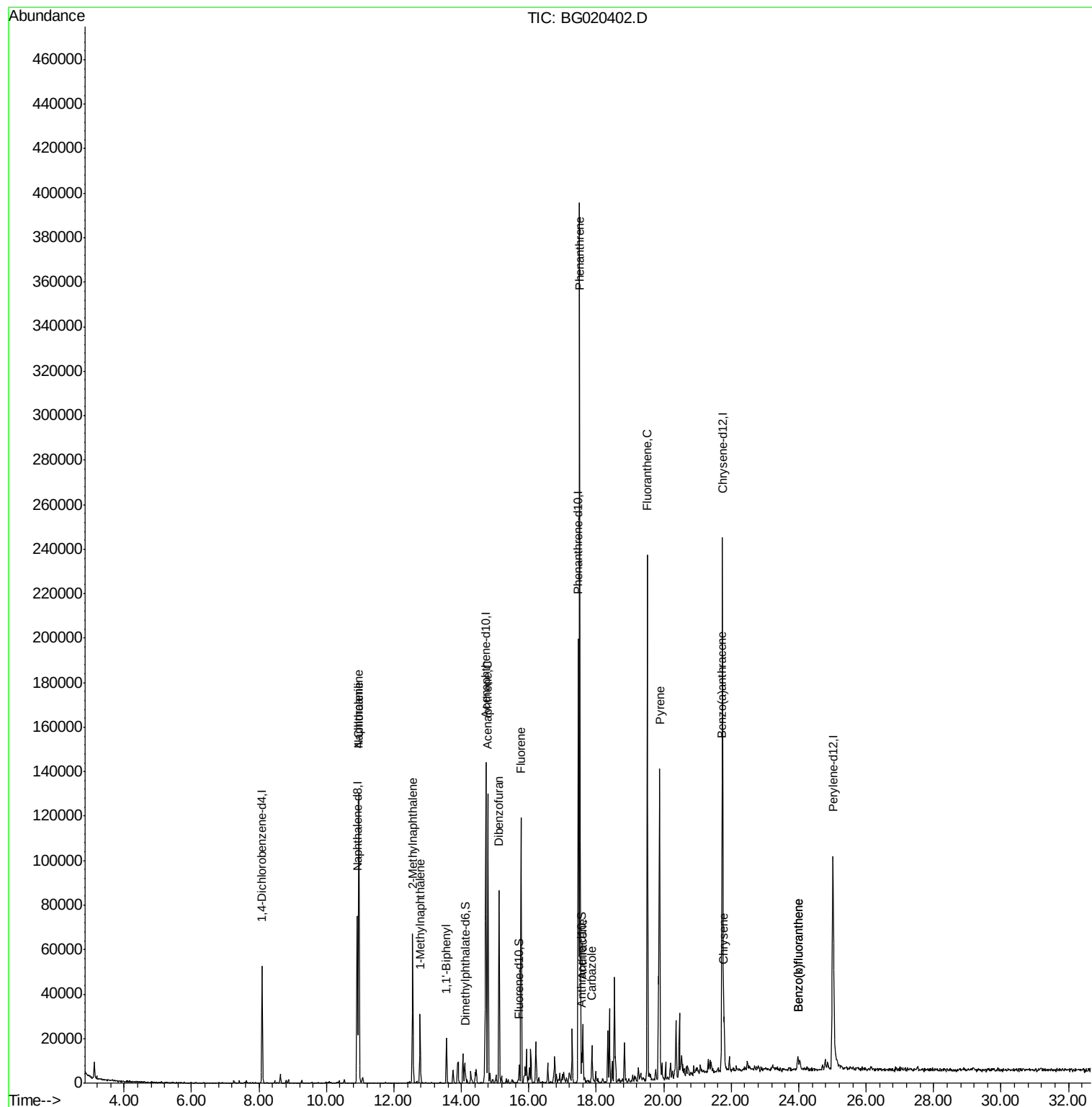
						Qvalue
28) Naphthalene	10.96	128	113298	31.11	ng/ul	99
30) 4-Chloroaniline	10.96	127	14760	10.50	ng/ul#	14
34) 2-Methylnaphthalene	12.56	142	33606	12.08	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	15446	5.77	ng/ul	100
41) 1,1'-Biphenyl	13.55	154	12271	3.25	ng/ul#	96
50) Acenaphthene	14.79	153	57904	17.22	ng/ul	99
54) Dibenzofuran	15.12	168	59283	11.85	ng/ul	98
59) Fluorene	15.77	166	57327	14.27	ng/ul	100
70) Phenanthrene	17.51	178	266850	38.18	ng/ul	100
72) Anthracene	17.60	178	20164	2.84	ng/ul	99
75) Carbazole	17.87	167	12333	2.07	ng/ul	99
77) Fluoranthene	19.51	202	158277	19.38	ng/ul	99
80) Pyrene	19.88	202	102629	10.81	ng/ul	98
83) Benzo(a)anthracene	21.72	228	25120	2.74	ng/ul	96
85) Chrysene	21.79	228	19491	2.26	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	9585	1.19	ng/ul	96
89) Benzo(k)fluoranthene	23.98	252	9585	1.24	ng/ul	99

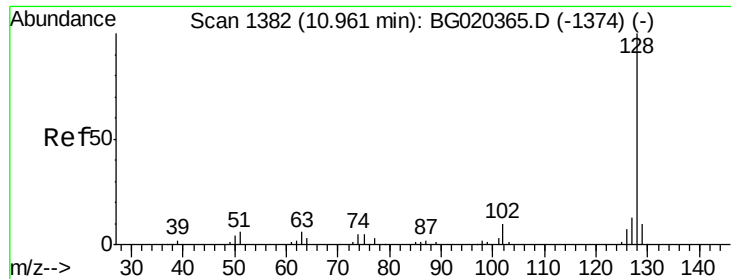
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122115\
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Misc :
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Instrument :
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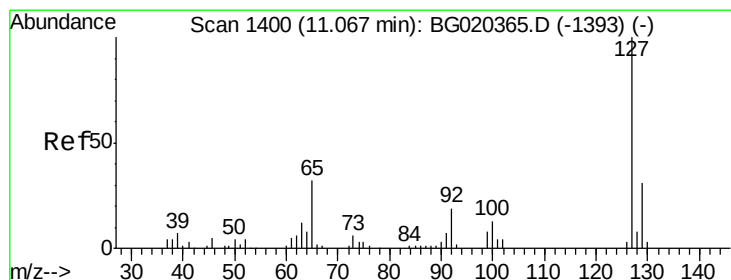
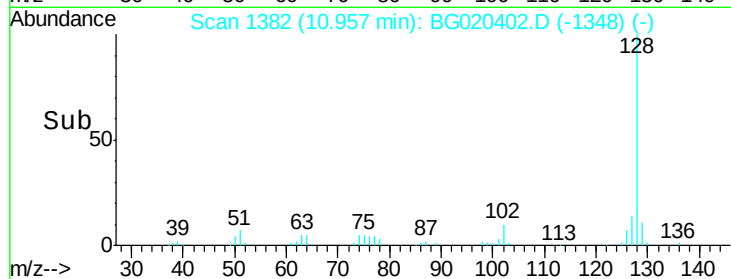
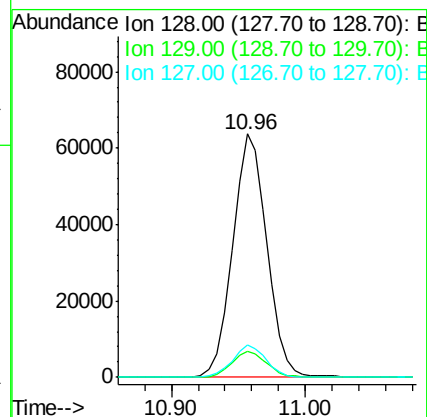
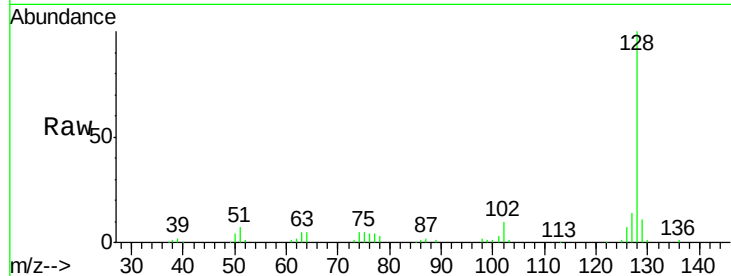




#28
Naphthalene
Concen: 31.11 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020402.D
Acq: 22 Dec 2015 7:28

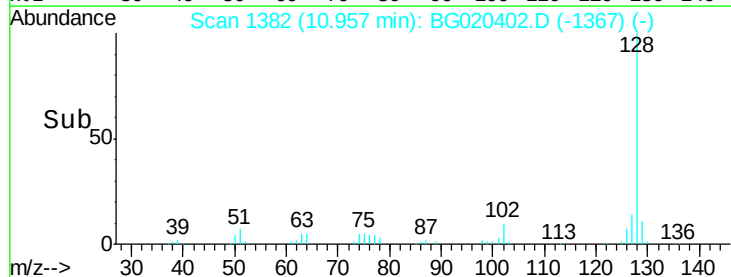
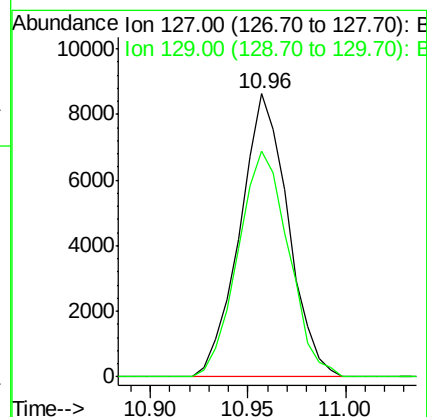
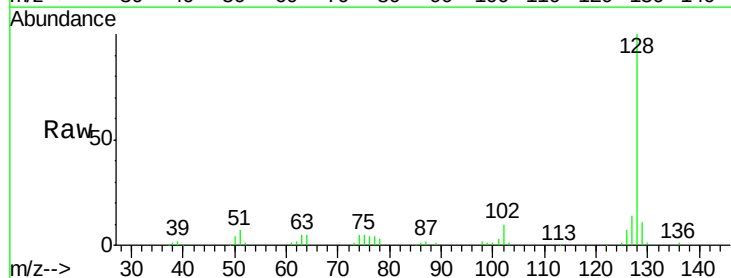
Instrument :
BNA_G
ClientSampleId :
D9N53DL

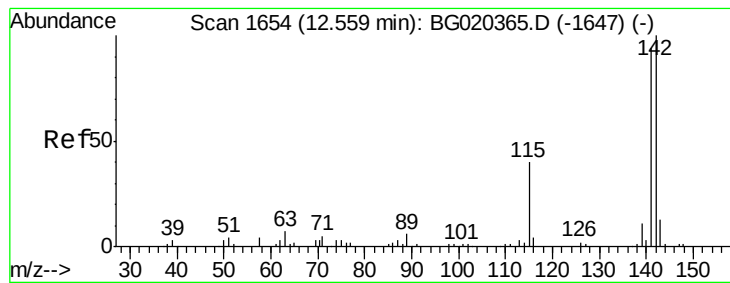
Tgt Ion:128 Resp: 113298
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.5 10.1 15.1



#30
4-Chloroaniline
Concen: 10.50 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.11 min
Lab File: BG020402.D
Acq: 22 Dec 2015 7:28

Tgt Ion:127 Resp: 14760
Ion Ratio Lower Upper
127 100
129 80.0 25.7 38.5#





#34

2-Methylnaphthalene

Concen: 12.08 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

Instrument :

BNA_G

ClientSampleId :

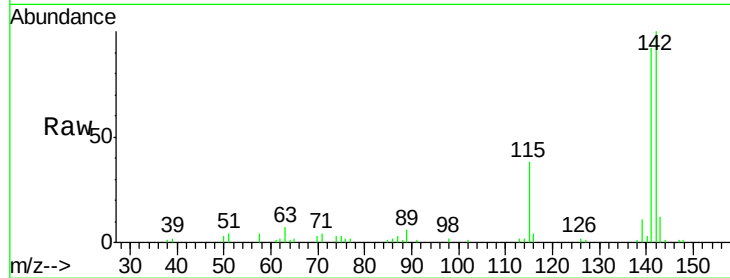
D9N53DL

Tgt Ion:142 Resp: 33606

Ion Ratio Lower Upper

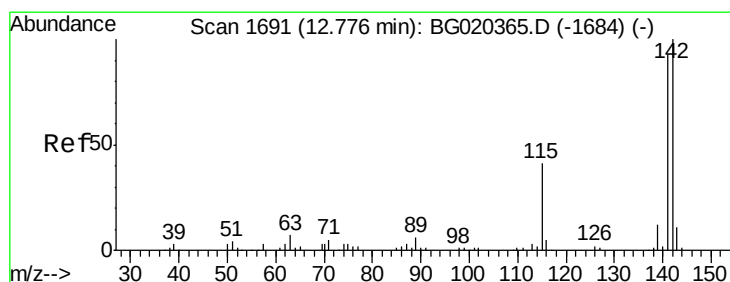
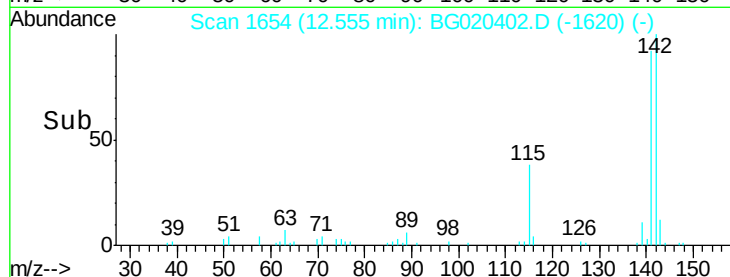
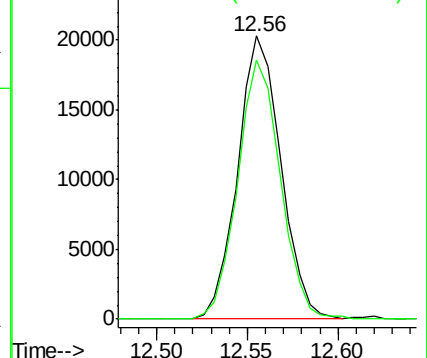
142 100

141 91.5 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 5.77 ng/ul

RT: 12.77 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

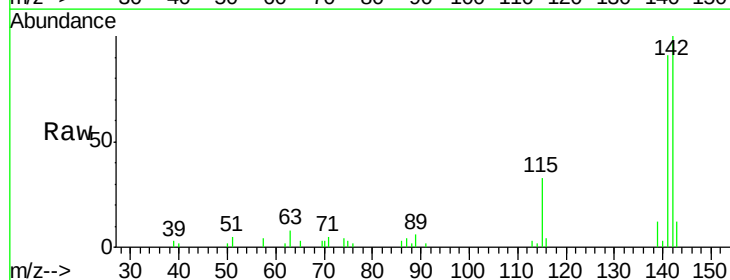
Tgt Ion:142 Resp: 15446

Ion Ratio Lower Upper

142 100

141 91.0 73.0 109.6

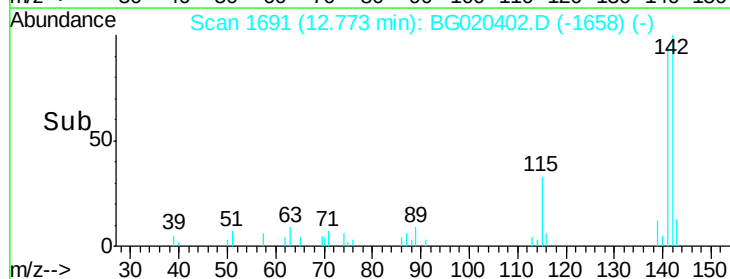
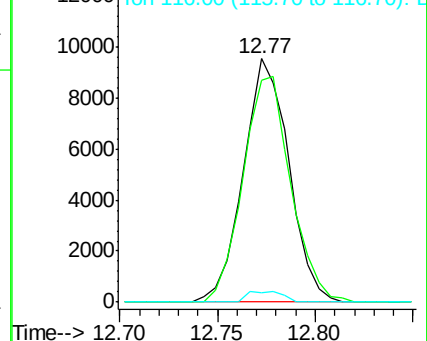
116 4.1 3.0 4.6

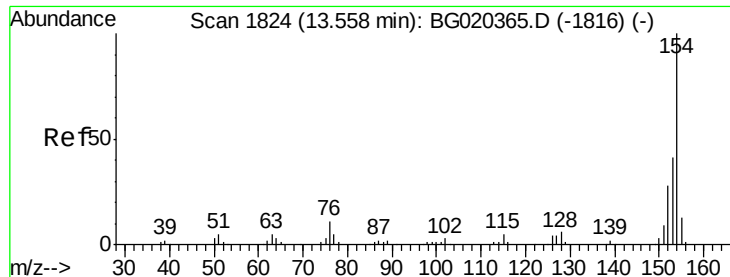


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

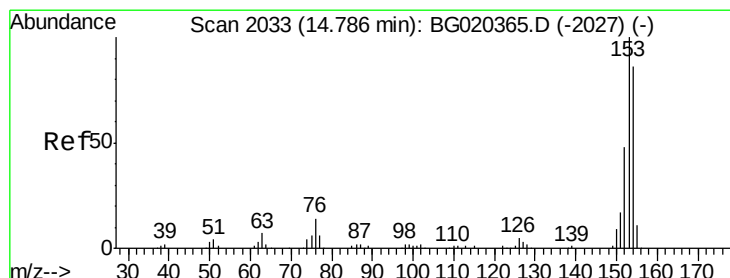
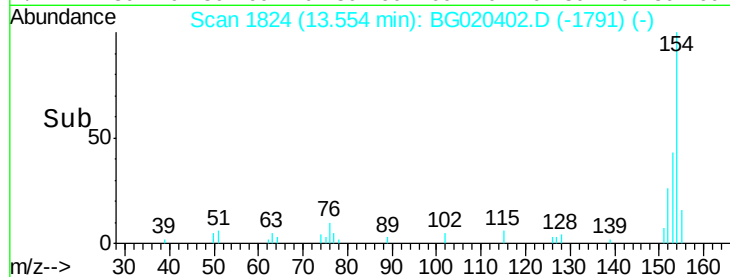
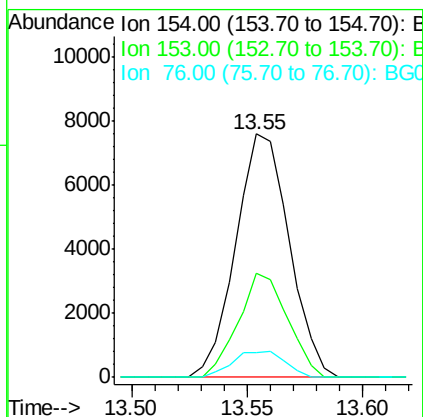
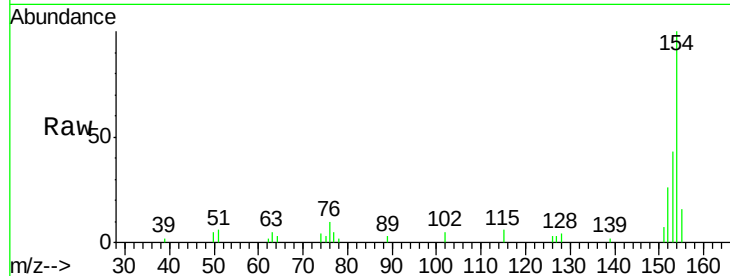




#41
 1,1'-Biphenyl
 Concen: 3.25 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BG020402.D
 Acq: 22 Dec 2015 7:28

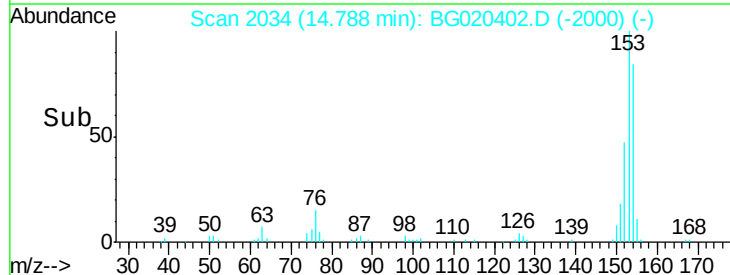
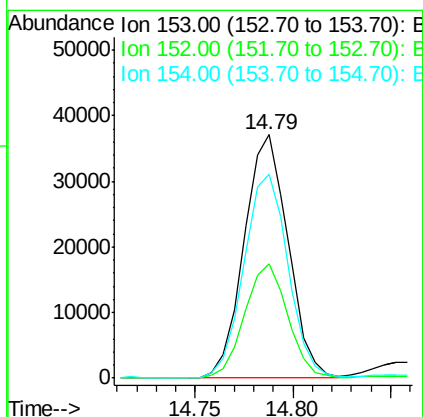
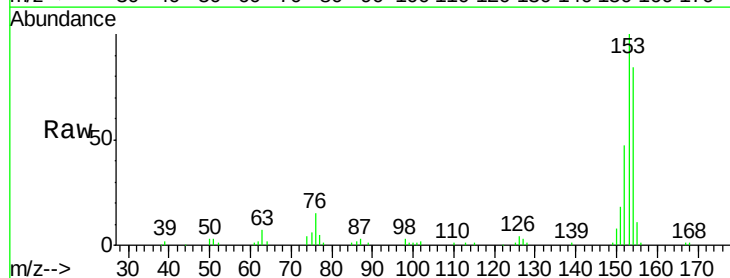
Instrument :
 BNA_G
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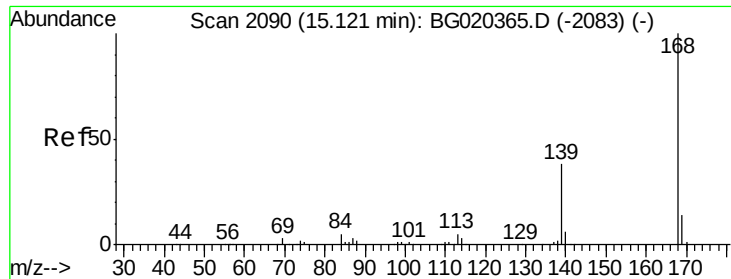
Tgt Ion:154 Resp: 12271
 Ion Ratio Lower Upper
 154 100
 153 42.7 35.5 53.3
 76 10.3 10.4 15.6#



#50
 Acenaphthene
 Concen: 17.22 ng/ul
 RT: 14.79 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BG020402.D
 Acq: 22 Dec 2015 7:28

Tgt Ion:153 Resp: 57904
 Ion Ratio Lower Upper
 153 100
 152 47.0 37.6 56.4
 154 83.9 67.9 101.9





#54

Dibenzenofuran

Concen: 11.85 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

Instrument :

BNA_G

ClientSampleId :

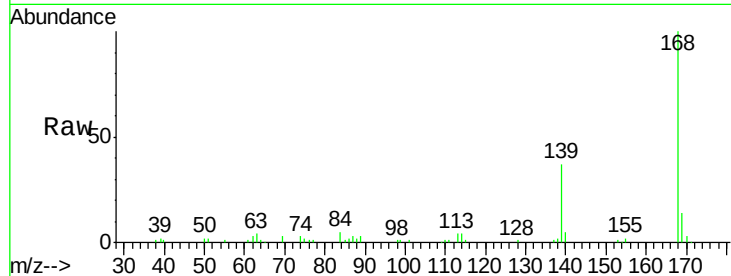
D9N53DL

Tgt Ion:168 Resp: 59283

Ion Ratio Lower Upper

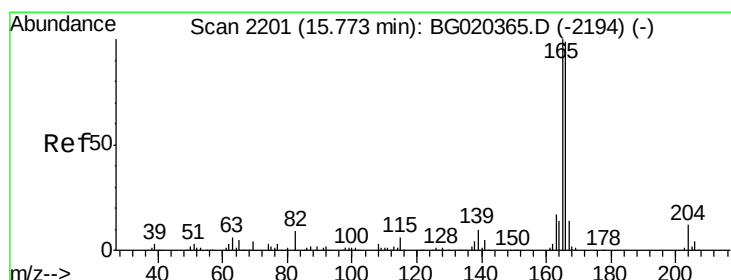
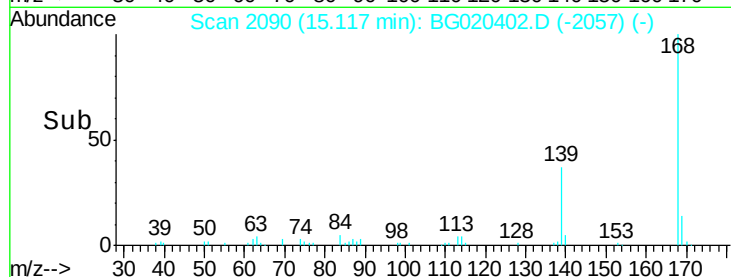
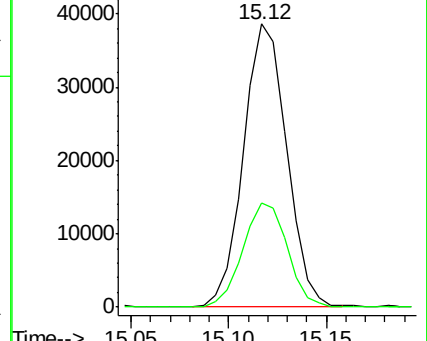
168 100

139 36.8 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: 14.27 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

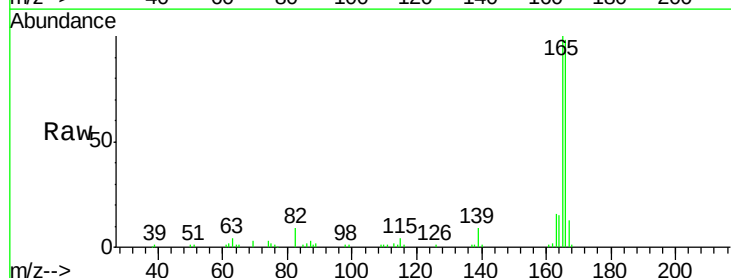
Tgt Ion:166 Resp: 57327

Ion Ratio Lower Upper

166 100

165 101.8 81.4 122.0

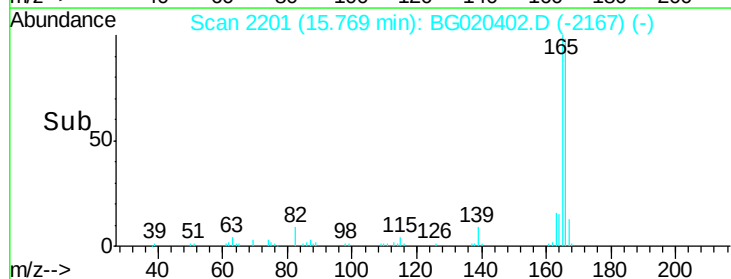
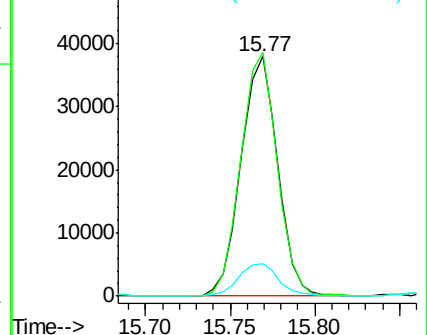
167 13.7 11.2 16.8

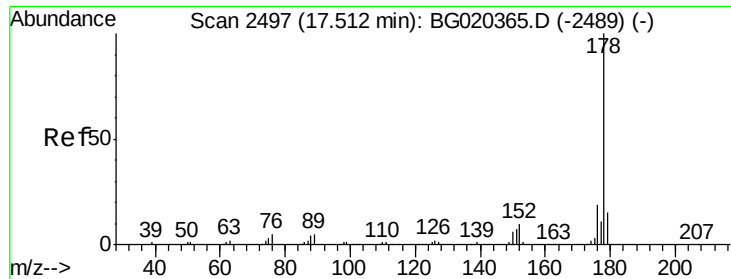


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 38.18 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

Instrument :

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ClientSampleId :

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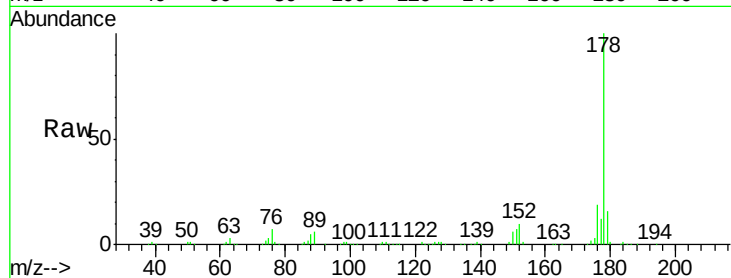
Tgt Ion:178 Resp: 266850

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

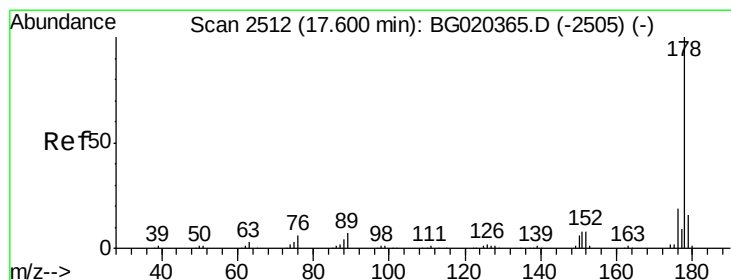
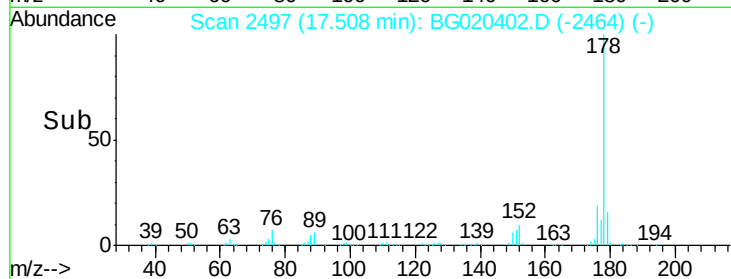
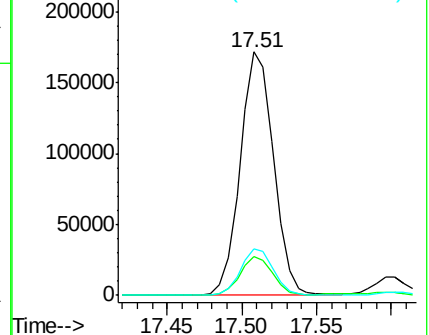
176 18.9 15.3 22.9



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: 2.84 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

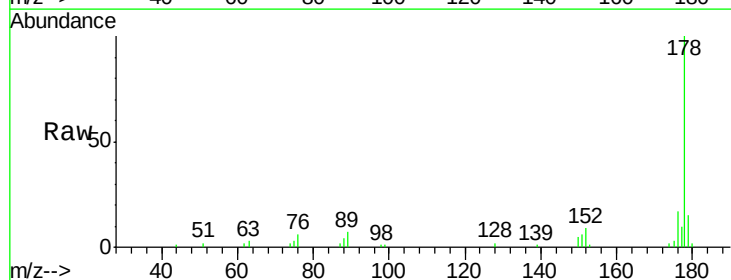
Tgt Ion:178 Resp: 20164

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

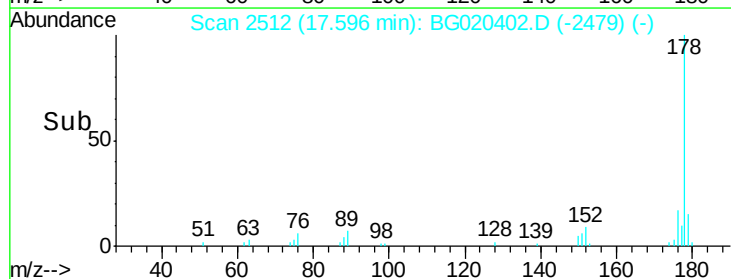
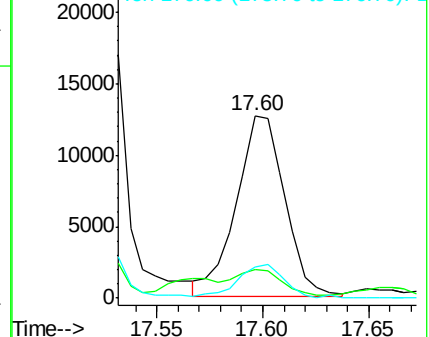
176 17.2 14.3 21.5

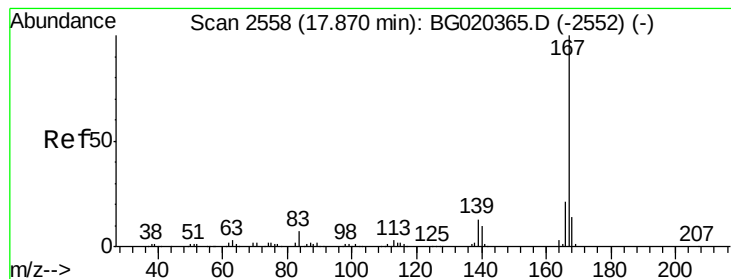


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.07 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

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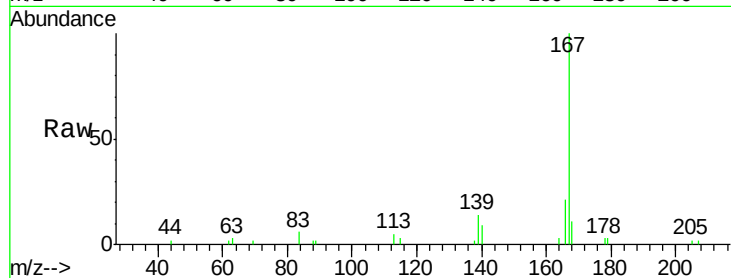
Tgt Ion:167 Resp: 12333

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

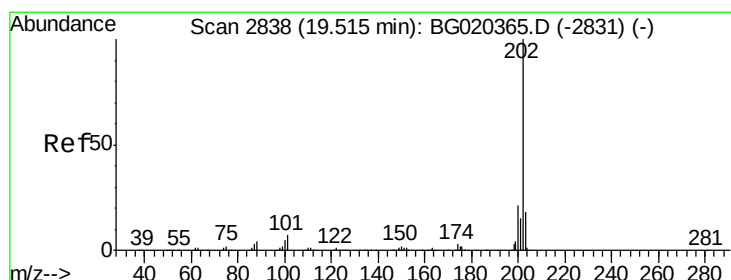
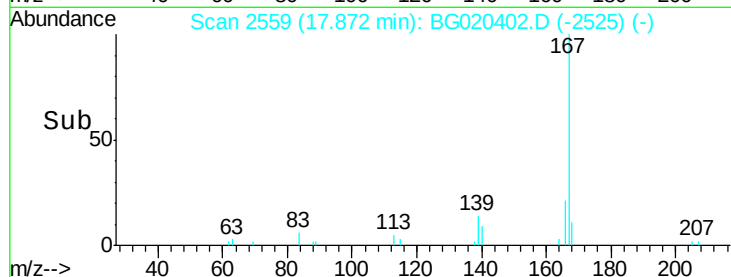
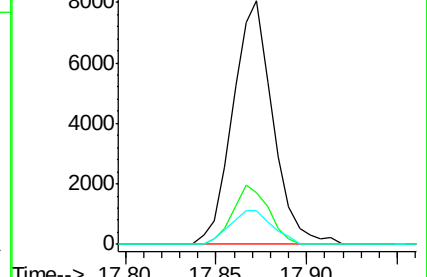
139 13.9 10.1 15.1



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: 19.38 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

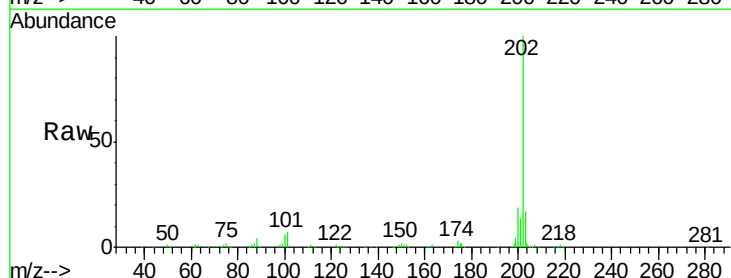
Tgt Ion:202 Resp: 158277

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.4

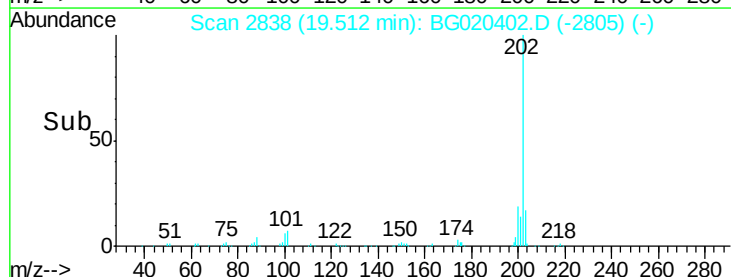
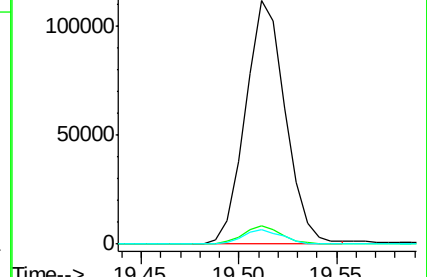
100 5.8 5.1 7.7

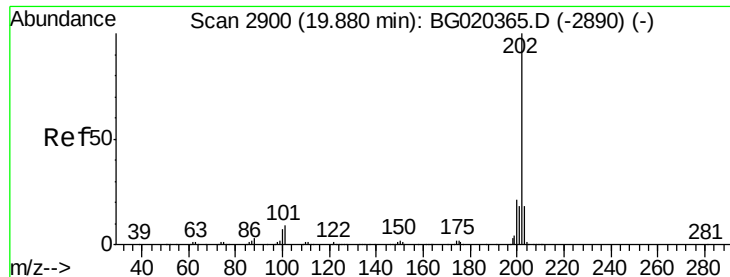


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

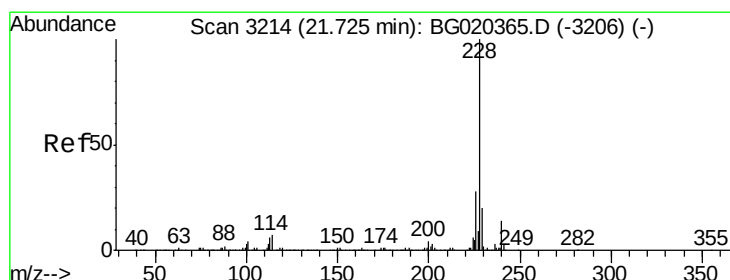
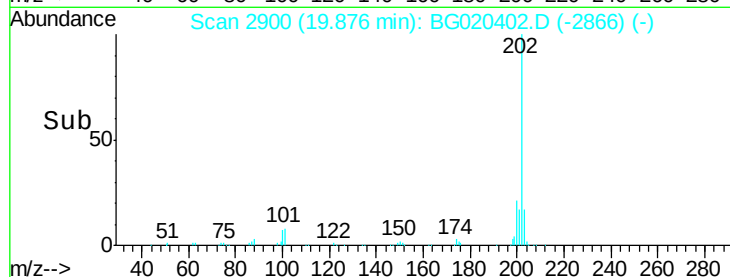
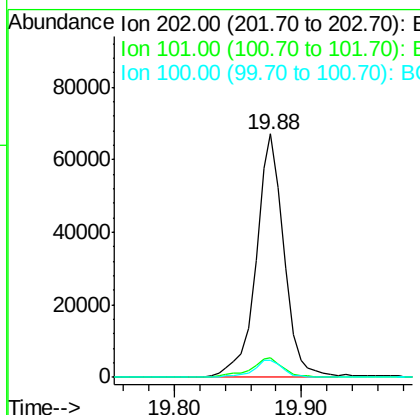
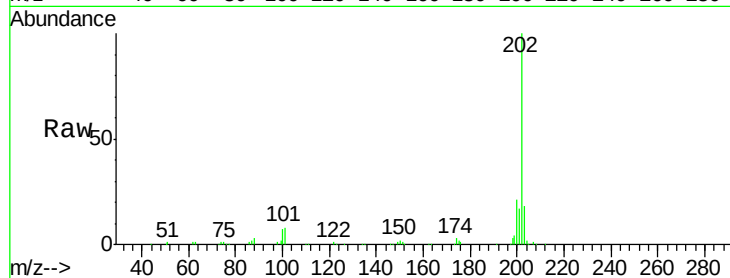




#80
 Pyrene
 Concen: 10.81 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020402.D
 Acq: 22 Dec 2015 7:28

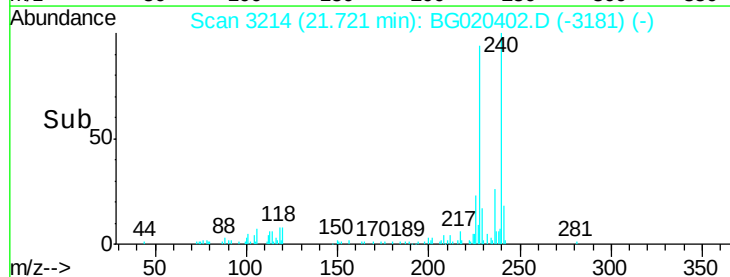
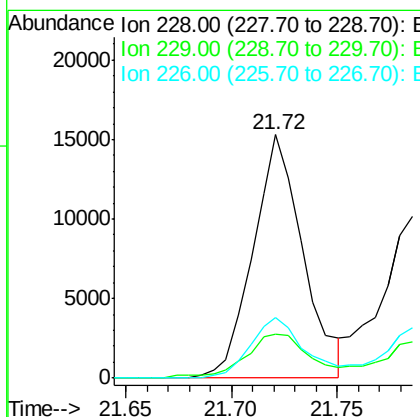
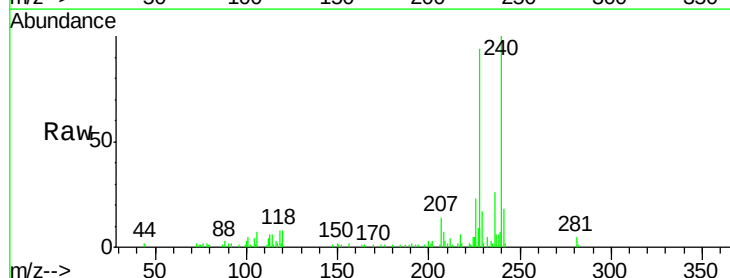
Instrument :
 BNA_G
 ClientSampleId :
 D9N53DL

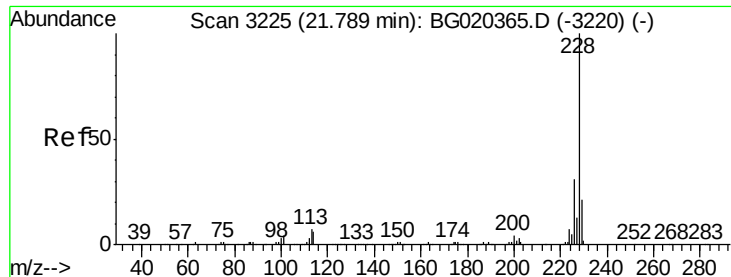
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	7.3	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 2.74 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: BG020402.D
 Acq: 22 Dec 2015 7:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.2	15.8	23.8
226	24.7	21.8	32.6





#85

Chrysene

Concen: 2.26 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.01 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

Instrument :

BNA_G

ClientSampleId :

D9N53DL

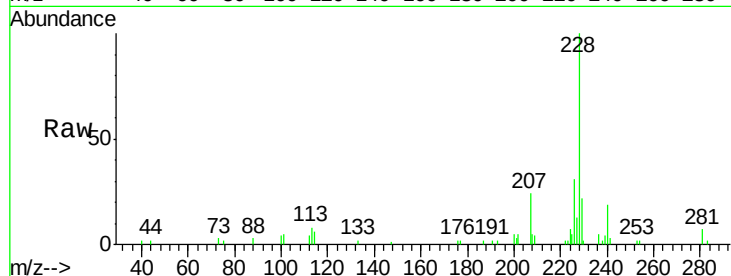
Tgt Ion: 228 Resp: 19491

Ion Ratio Lower Upper

228 100

226 31.4 23.9 35.9

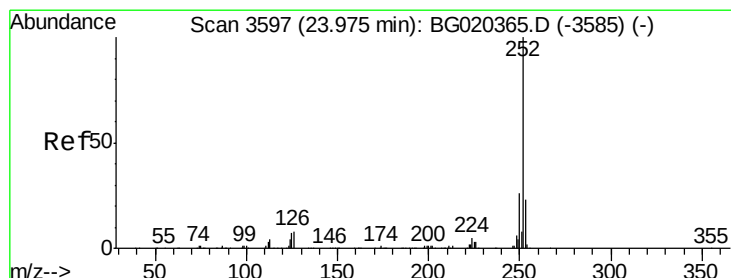
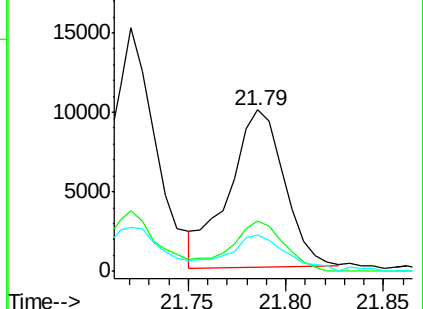
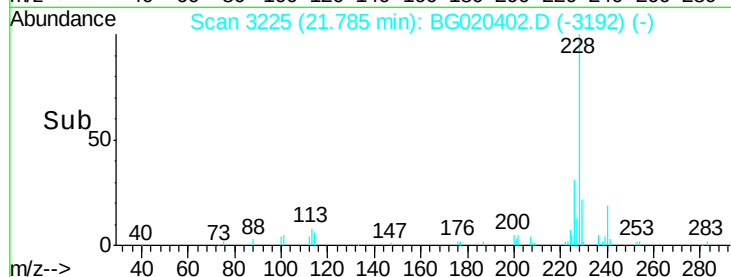
229 22.4 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 1.19 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BG020402.D

Acq: 22 Dec 2015 7:28

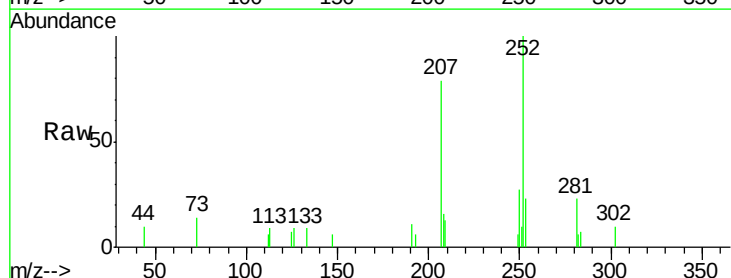
Tgt Ion: 252 Resp: 9585

Ion Ratio Lower Upper

252 100

253 23.1 16.7 25.1

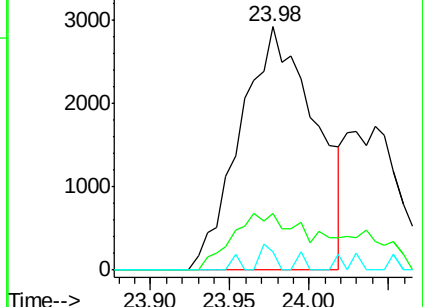
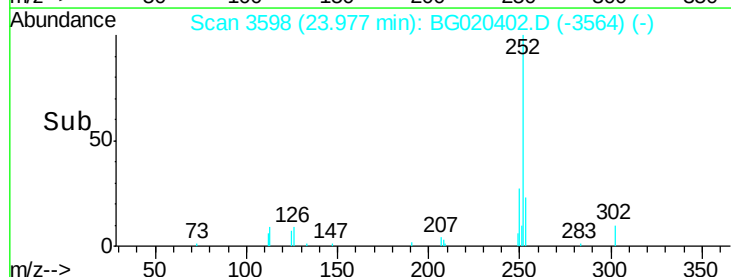
125 7.3 6.2 9.2

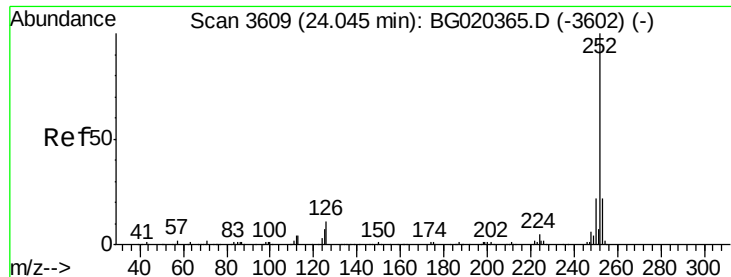


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.24 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.07 min

Lab File: BG020402.D

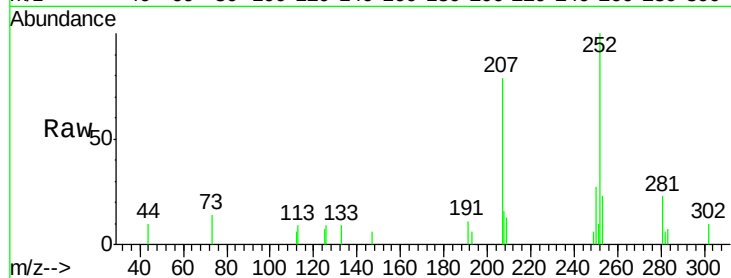
Acq: 22 Dec 2015 7:28

Instrument :

BNA_G

ClientSampleId :

D9N53DL



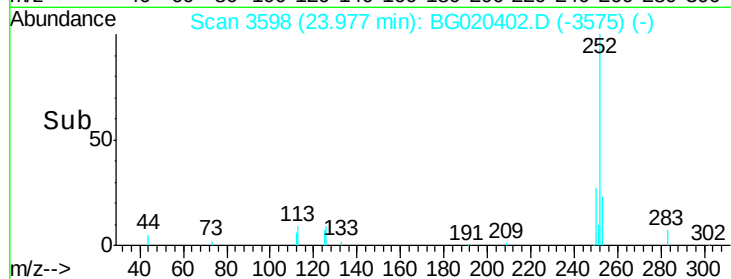
Tgt Ion: 252 Resp: 9585

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 7.3 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

