

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020431.D
 Acq On : 23 Dec 2015 6:47
 Operator : UM/SJ
 Sample : G4768-05DL 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Quant Time: Dec 23 07:44:35 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17847	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	84092	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	61820	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	152558	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	190876	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	178994	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.41	99	479	0.30	ng/ul	0.17
7) Bis-(2-Chloroethyl)ether-d	7.41	67	368	0.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	492	0.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	186	0.14	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	234	0.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	343	0.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	803	0.54	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	3743	0.75	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4241	0.73	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	3977	0.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	6044	0.86	ng/ul	0.00
79) Pyrene-d10	19.84	212	6983	0.78	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	6685	0.75	ng/ul	0.00

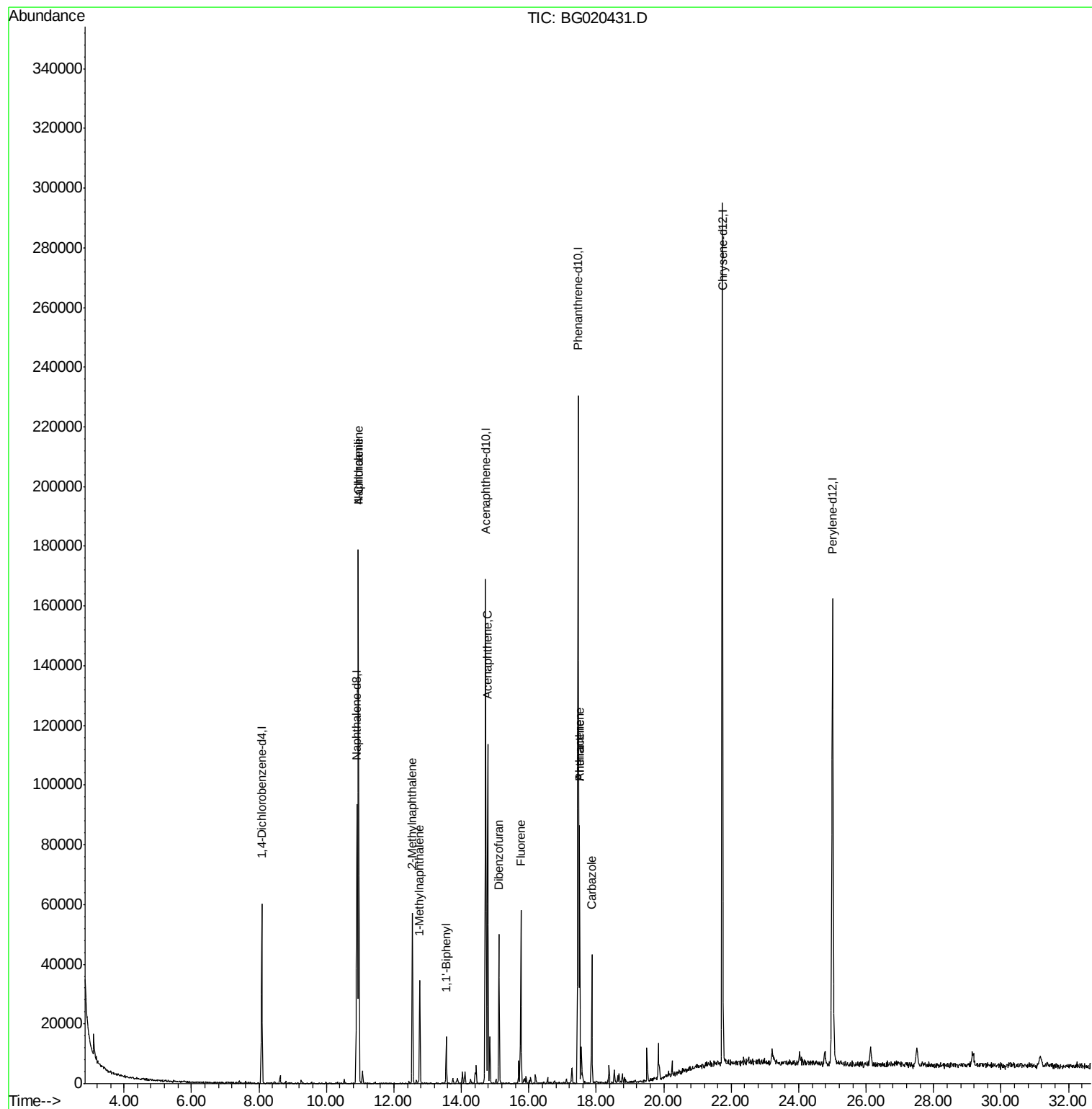
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.95	128	159294	36.27	ng/ul	99
30) 4-Chloroaniline	10.95	127	20891	12.33	ng/ul#	9
34) 2-Methylnaphthalene	12.55	142	29202	8.71	ng/ul	100
35) 1-Methylnaphthalene	12.76	142	17488	5.42	ng/ul#	99
41) 1,1'-Biphenyl	13.55	154	9912	2.13	ng/ul	93
50) Acenaphthene	14.78	153	48769	11.73	ng/ul	97
54) Dibenzofuran	15.11	168	37056	5.99	ng/ul	94
59) Fluorene	15.76	166	27783	5.59	ng/ul	96
70) Phenanthrene	17.50	178	56567	6.78	ng/ul	99
72) Anthracene	17.50	178	56567	6.68	ng/ul	99
75) Carbazole	17.86	167	31593	4.44	ng/ul	98

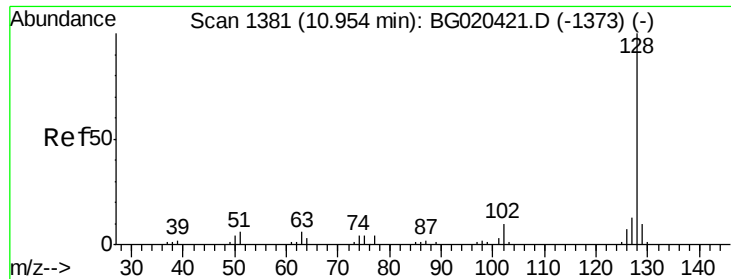
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 36.27 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.00 min

Lab File: BG020431.D

Acq: 23 Dec 2015 6:47

Instrument :

BNA_G

ClientSampleId :

D9N29DL

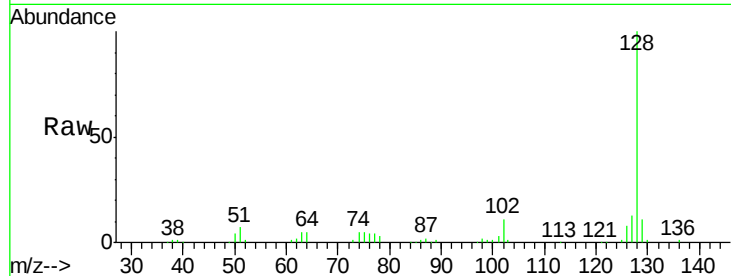
Tgt Ion:128 Resp: 159294

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

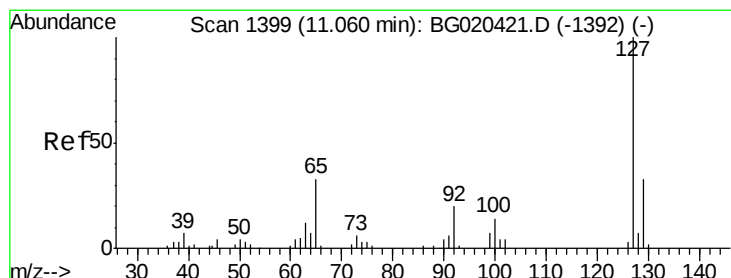
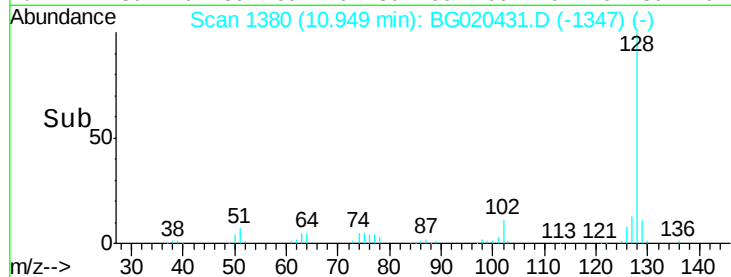
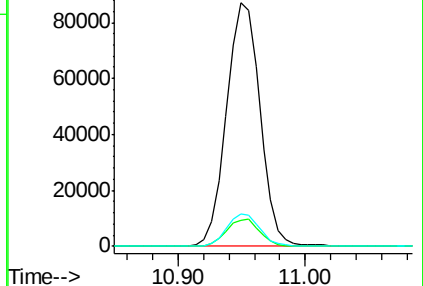
127 13.1 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 12.33 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.11 min

Lab File: BG020431.D

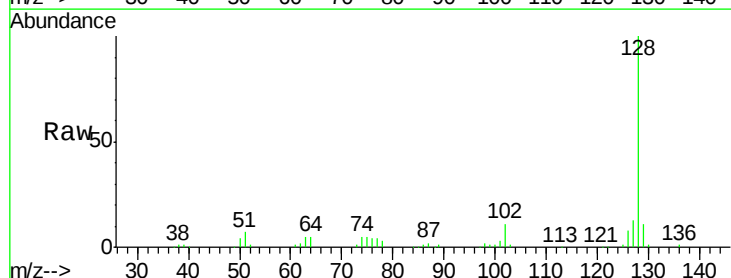
Acq: 23 Dec 2015 6:47

Tgt Ion:127 Resp: 20891

Ion Ratio Lower Upper

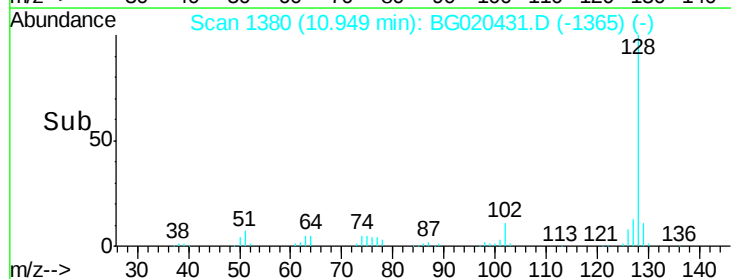
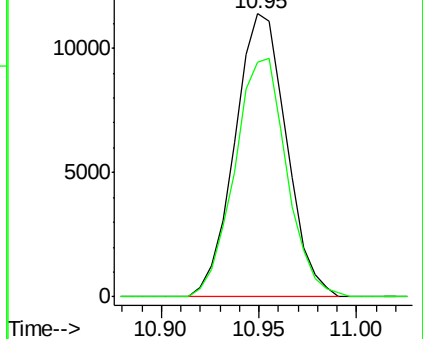
127 100

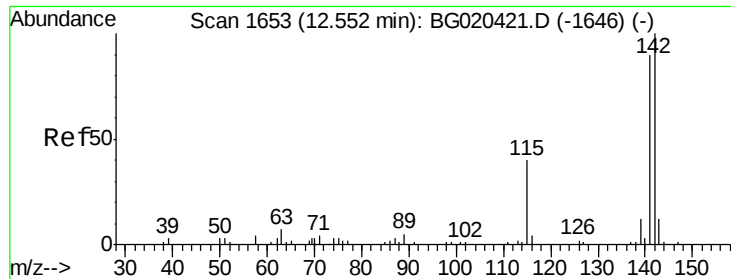
129 82.9 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

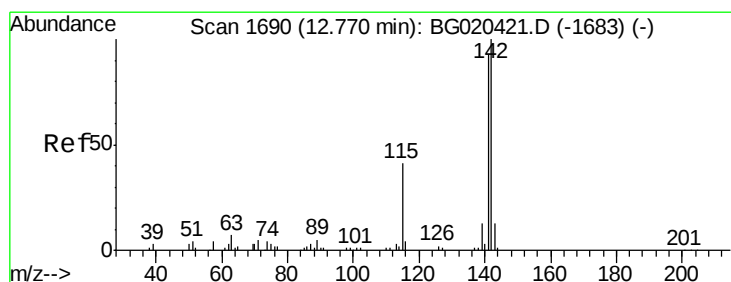
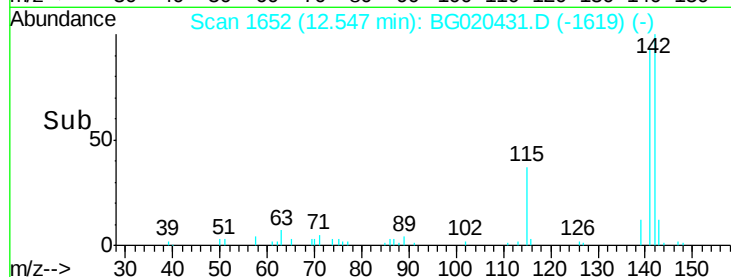
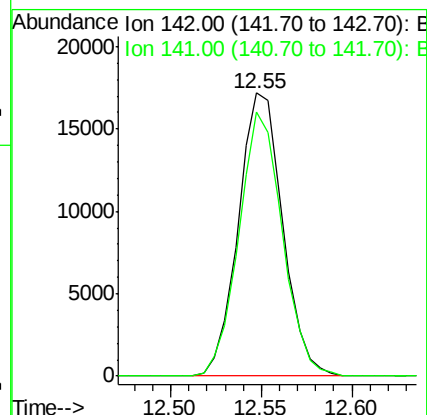
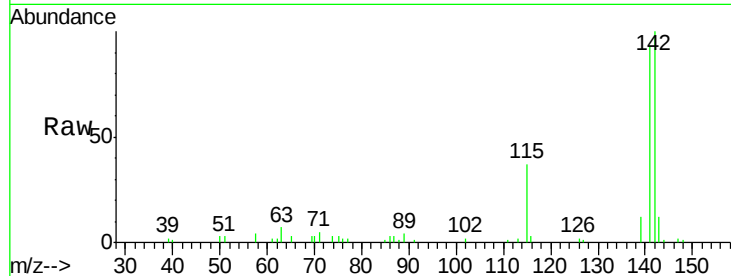




#34
 2-Methylnaphthalene
 Concen: 8.71 ng/ul
 RT: 12.55 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BG020431.D
 Acq: 23 Dec 2015 6:47

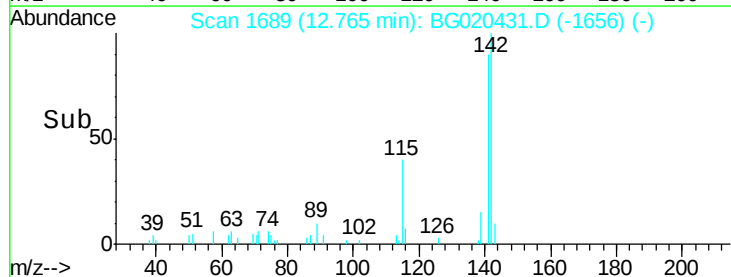
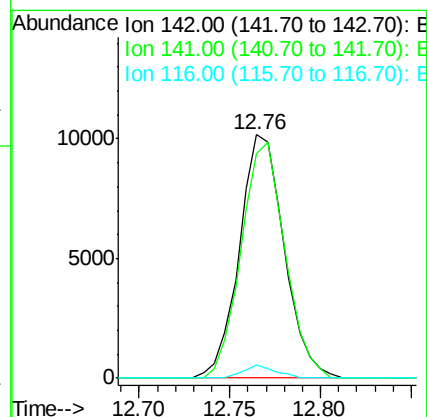
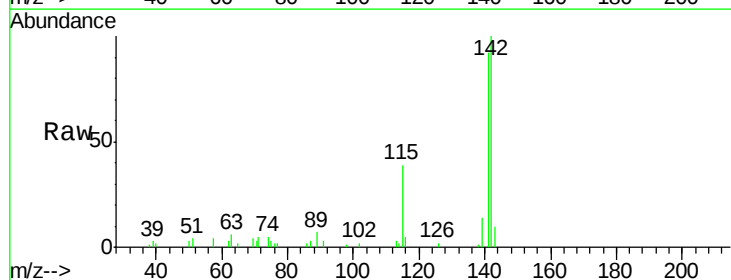
Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

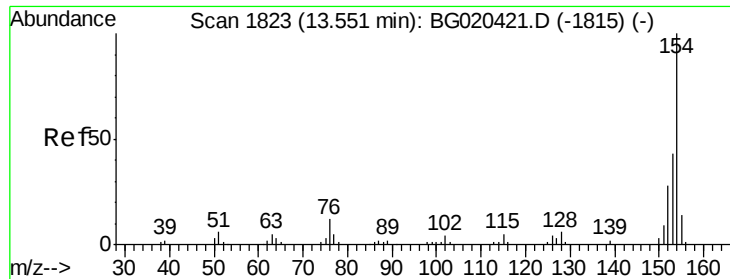
Tgt Ion:142 Resp: 29202
 Ion Ratio Lower Upper
 142 100
 141 93.1 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 5.42 ng/ul
 RT: 12.76 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: BG020431.D
 Acq: 23 Dec 2015 6:47

Tgt Ion:142 Resp: 17488
 Ion Ratio Lower Upper
 142 100
 141 92.4 73.0 109.6
 116 5.4 3.0 4.6#

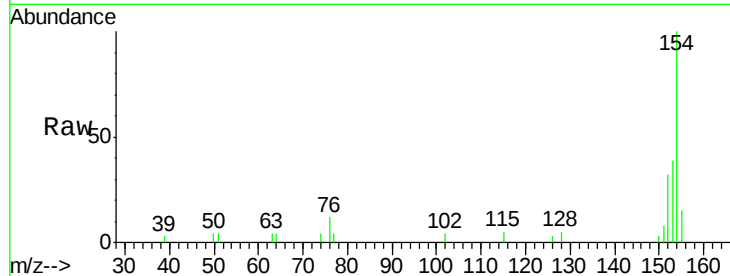




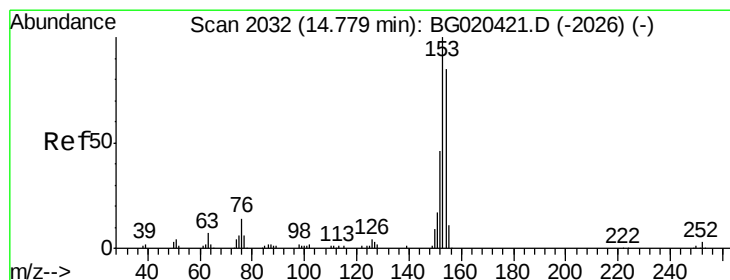
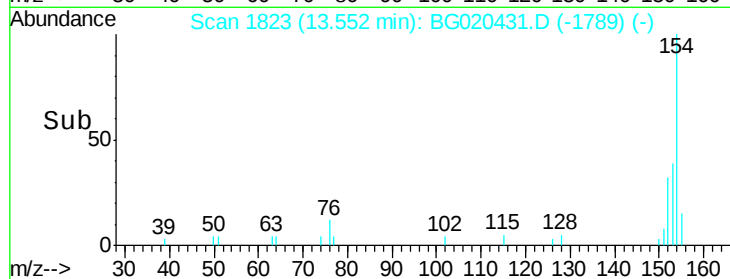
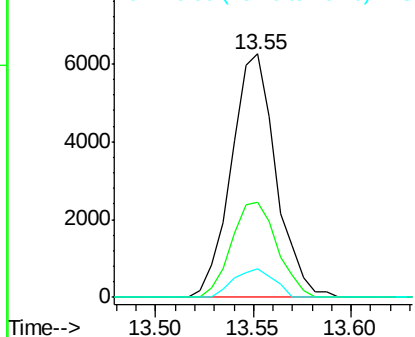
#41
 1,1'-Biphenyl
 Concen: 2.13 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020431.D
 Acq: 23 Dec 2015 6:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N29DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.1	35.5	53.3
76	11.9	10.4	15.6

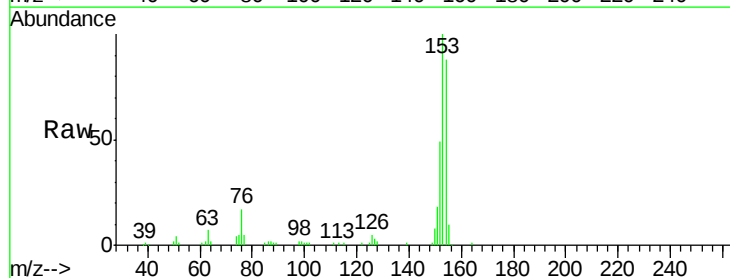


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

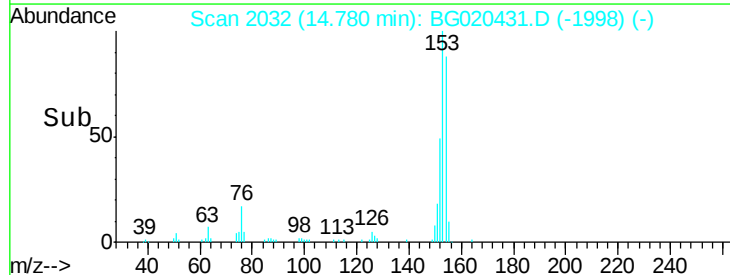
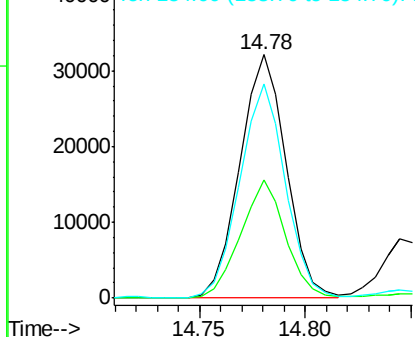


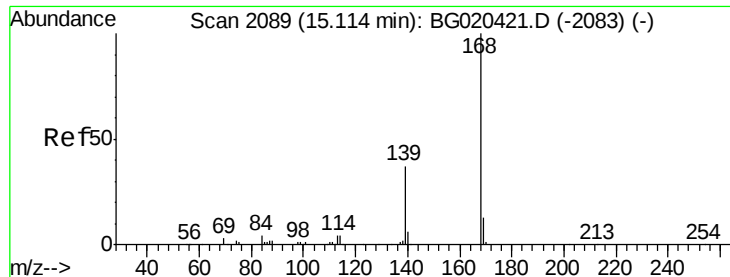
#50
 Acenaphthene
 Concen: 11.73 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: BG020431.D
 Acq: 23 Dec 2015 6:47

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.6	56.4
154	88.2	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

Dibenzenofuran

Concen: 5.99 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BG020431.D

Acq: 23 Dec 2015 6:47

Instrument :

BNA_G

ClientSampleId :

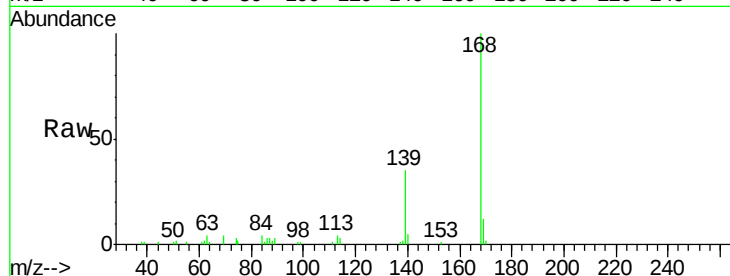
D9N29DL

Tgt Ion:168 Resp: 37056

Ion Ratio Lower Upper

168 100

139 34.5 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

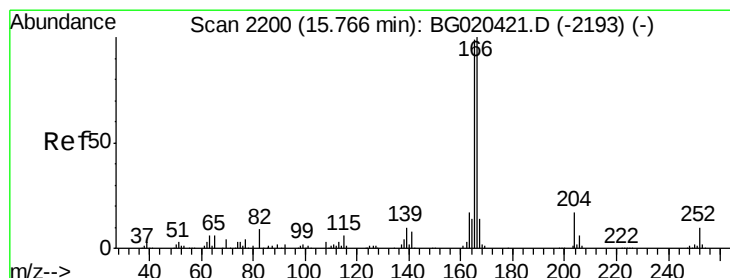
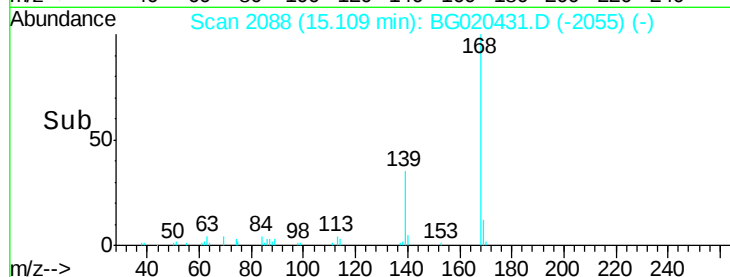
15000

10000

5000

0

Time--> 15.05 15.10 15.15



#59

Fluorene

Concen: 5.59 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020431.D

Acq: 23 Dec 2015 6:47

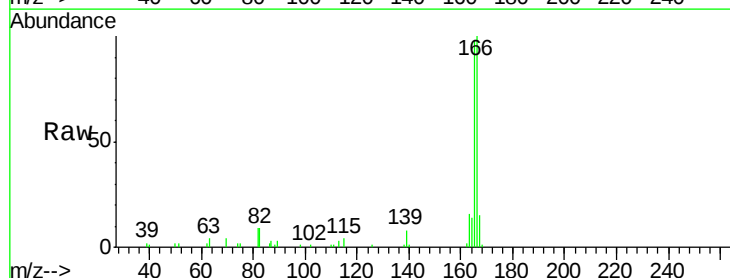
Tgt Ion:166 Resp: 27783

Ion Ratio Lower Upper

166 100

165 97.5 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

25000

20000

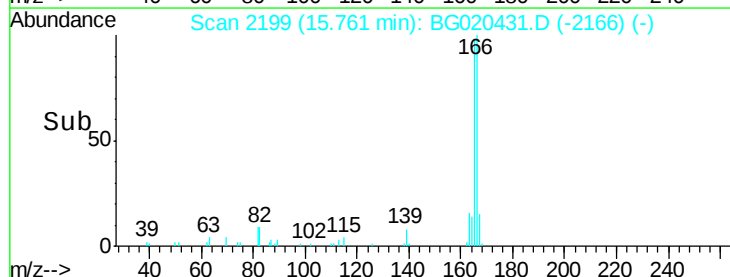
15000

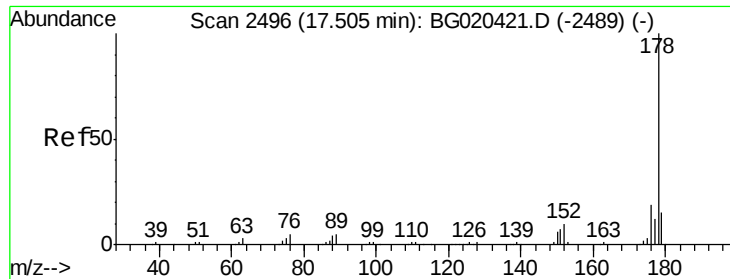
10000

5000

0

Time--> 15.70 15.75 15.80





#70

Phenanthrene

Concen: 6.78 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BG020431.D

Acq: 23 Dec 2015 6:47

Instrument :

BNA_G

ClientSampleId :

D9N29DL

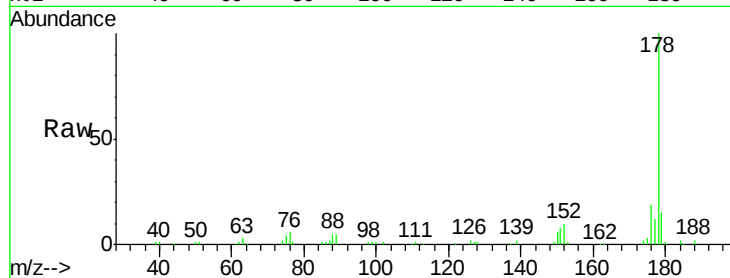
Tgt Ion:178 Resp: 56567

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

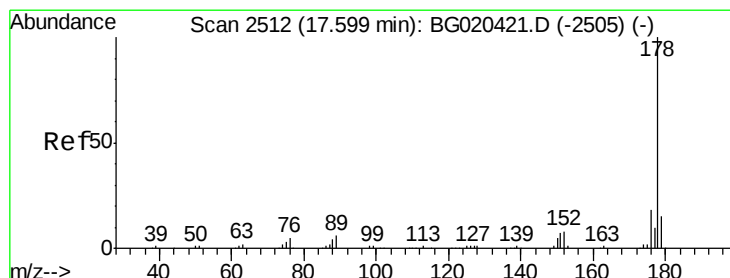
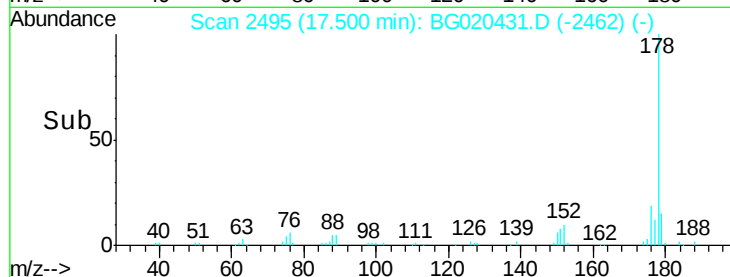
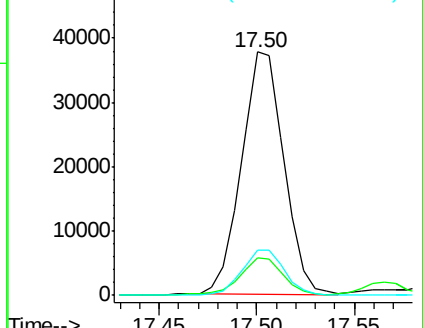
176 18.7 15.3 22.9



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: 6.68 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. -0.10 min

Lab File: BG020431.D

Acq: 23 Dec 2015 6:47

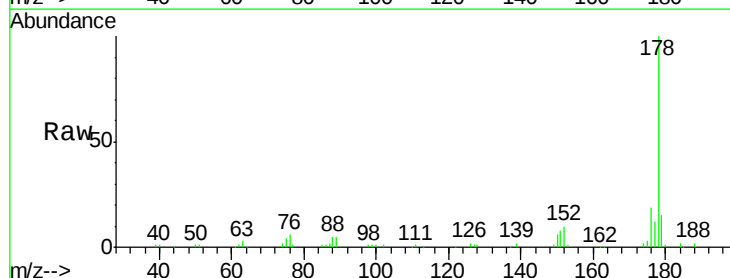
Tgt Ion:178 Resp: 56567

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

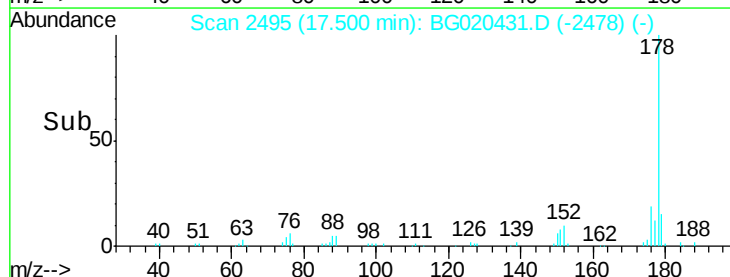
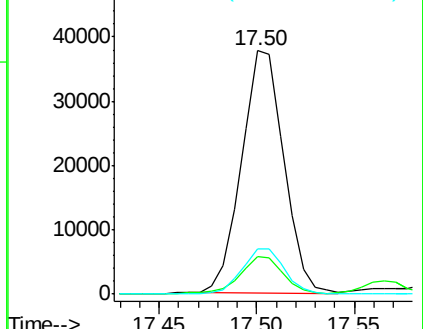
176 18.7 14.3 21.5

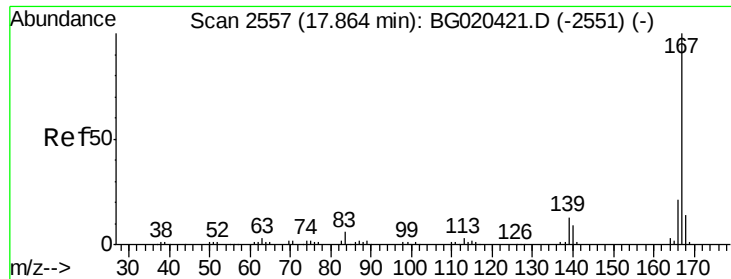


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 4.44 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.00 min

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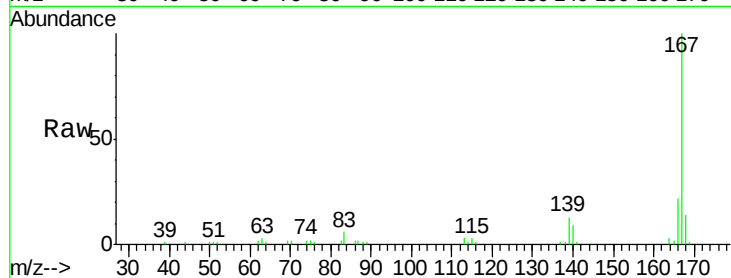
Tgt Ion:167 Resp: 31593

Ion Ratio Lower Upper

167 100

166 22.3 17.0 25.6

139 13.2 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

