

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020305.D
 Acq On : 19 Dec 2015 10:41
 Operator : UM/SJ
 Sample : G4768-22
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N46

Quant Time: Dec 20 04:51:06 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 04:48:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	19668	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	81044	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	56004	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	142809	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	188485	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	172583	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	503	1.41	ng/uL	0.00
5) Phenol-d5	7.24	99	12022	6.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	30510	29.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	31734	25.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	22230	14.99	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20653	32.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	23735	33.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	41390	29.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	484	0.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	149862	33.08	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	169803	32.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5254	6.47	ng/ul	0.00
58) Fluorene-d10	15.71	176	135271	32.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	23688	27.98	ng/ul	0.00
71) Anthracene-d10	17.57	188	217436	33.04	ng/ul	0.00
79) Pyrene-d10	19.85	212	269107	30.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	286528	33.29	ng/ul	0.00

Target Compounds

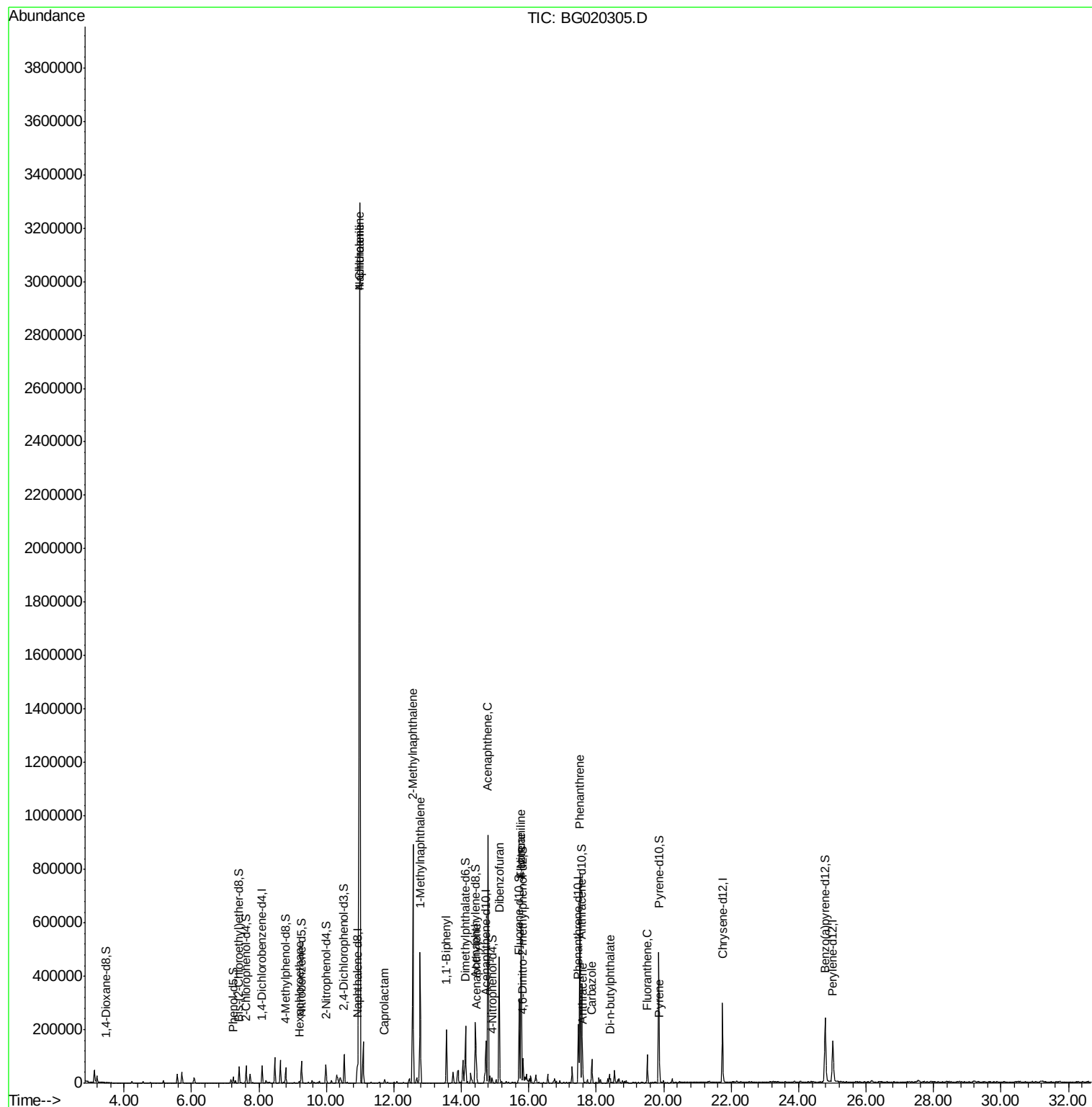
						Qvalue
17) Hexachloroethane	9.20	117	1188	2.14	ng/ul#	1
28) Naphthalene	10.99	128	2989349	706.33	ng/ul#	83
30) 4-Chloroaniline	10.99	127	515537	315.73	ng/ul#	10
32) Caprolactam	11.72	113	1037	2.01	ng/ul#	1
34) 2-Methylnaphthalene	12.56	142	428185	132.45	ng/ul	97
35) 1-Methylnaphthalene	12.78	142	226252	72.80	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	107300	25.40	ng/ul	95
48) Acenaphthylene	14.45	152	62861	11.23	ng/ul	98
50) Acenaphthene	14.79	153	405590	107.66	ng/ul	97
54) Dibenzofuran	15.12	168	317556	56.66	ng/ul	100
59) Fluorene	15.77	166	273818	60.84	ng/ul	99
61) 4-Nitroaniline	15.77	138	3472	3.46	ng/ul#	10
70) Phenanthrene	17.51	178	513895	65.79	ng/ul	99
72) Anthracene	17.60	178	37478	4.73	ng/ul	98
75) Carbazole	17.87	167	60143	9.03	ng/ul	99
76) Di-n-butylphthalate	18.41	149	13651	1.76	ng/ul	96
77) Fluoranthene	19.51	202	69013	7.56	ng/ul	98
80) Pyrene	19.88	202	42550	3.73	ng/ul	98

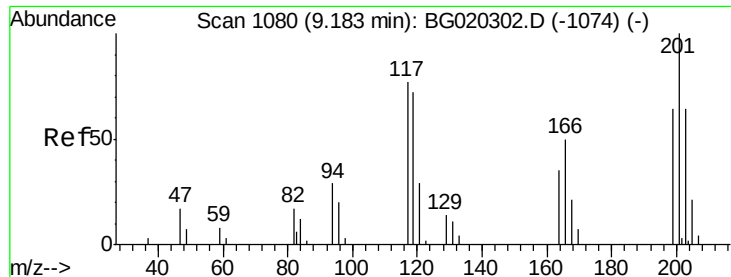
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 2.14 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

Instrument :

BNA_G

ClientSampleId :

D9N46

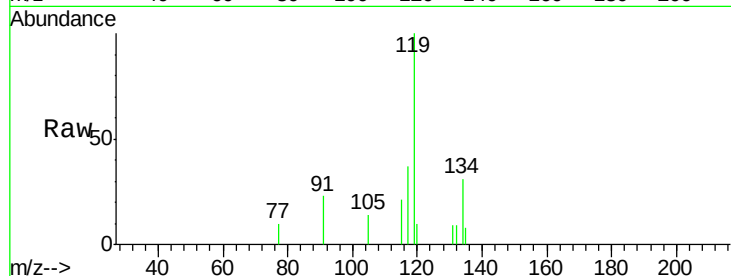
Tgt Ion:117 Resp: 1188

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

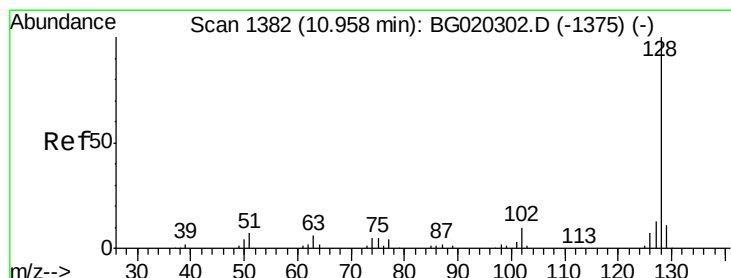
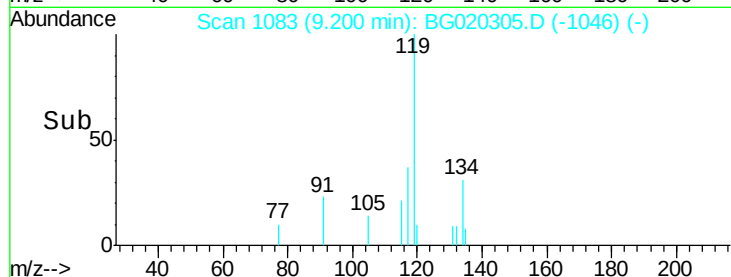
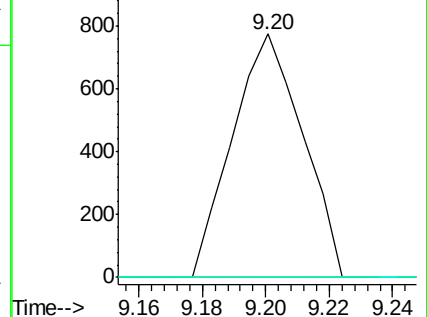
199 0.0 65.8 98.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 706.33 ng/ul

RT: 10.99 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

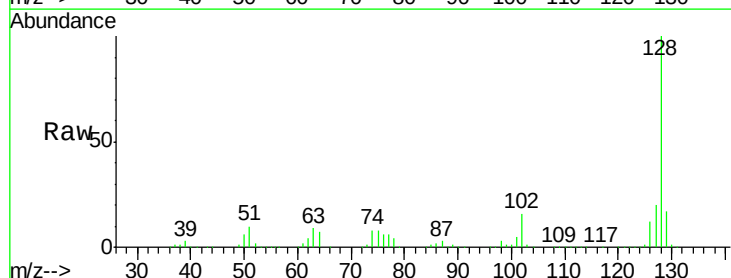
Tgt Ion:128 Resp: 2989349

Ion Ratio Lower Upper

128 100

129 16.6 8.6 12.8#

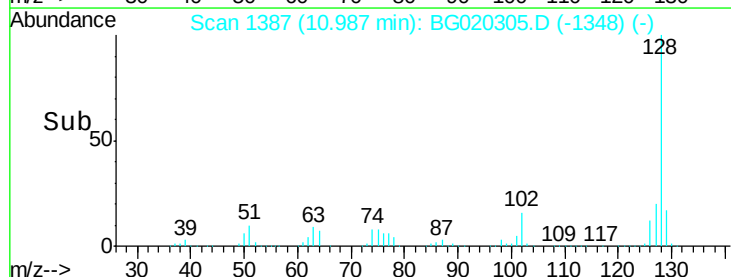
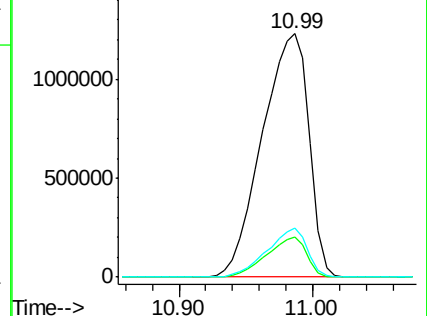
127 20.1 10.1 15.1#

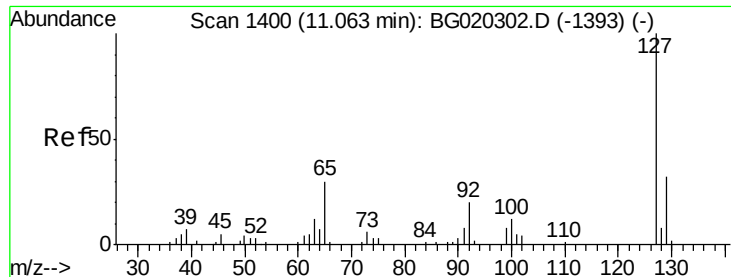


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

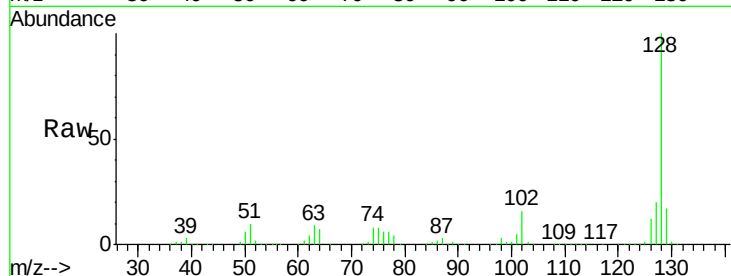




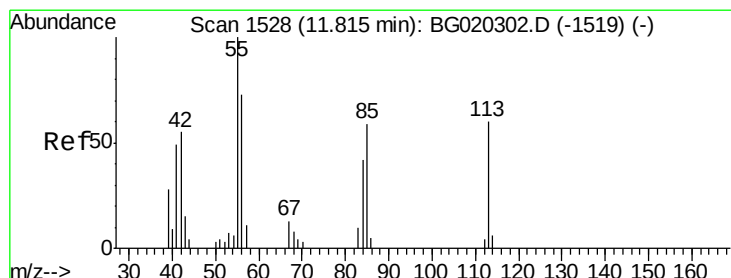
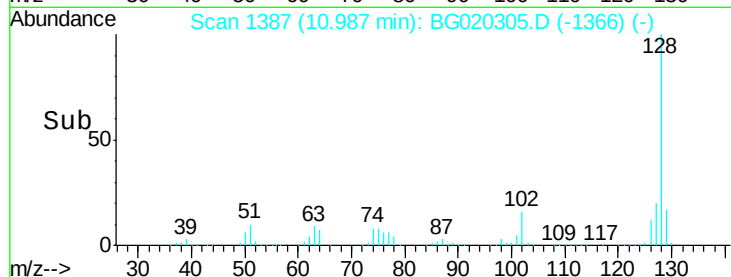
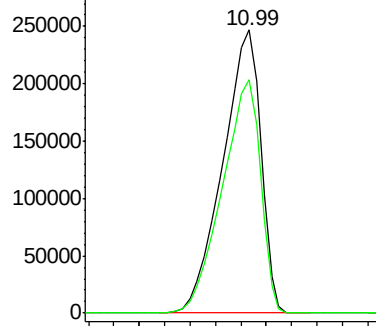
#30
4-Chloroaniline
Concen: 315.73 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. -0.08 min
Lab File: BG020305.D
Acq: 19 Dec 2015 10:41

Instrument :
BNA_G
ClientSampleId :
D9N46

Tgt Ion:127 Resp: 515537
Ion Ratio Lower Upper
127 100
129 82.5 25.7 38.5#

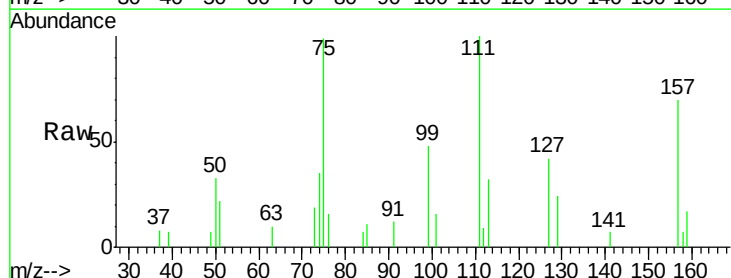


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

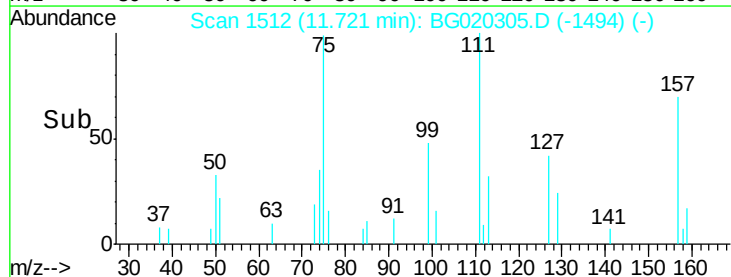
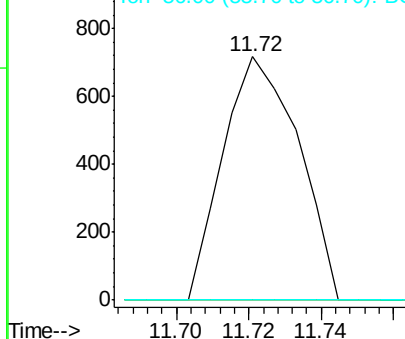


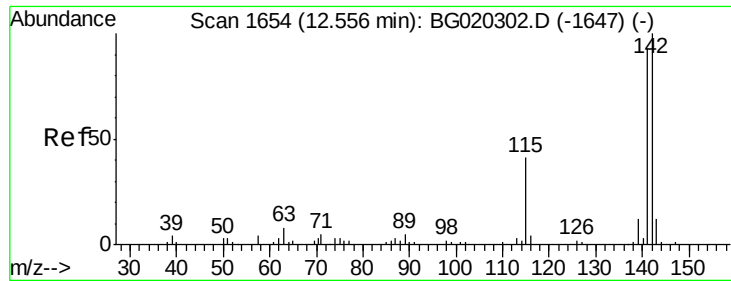
#32
Caprolactam
Concen: 2.01 ng/ul
RT: 11.72 min Scan# 1512
Delta R.T. -0.09 min
Lab File: BG020305.D
Acq: 19 Dec 2015 10:41

Tgt Ion:113 Resp: 1037
Ion Ratio Lower Upper
113 100
55 0.0 132.1 198.1#
56 0.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BG0
Ion 56.00 (55.70 to 56.70): BG0

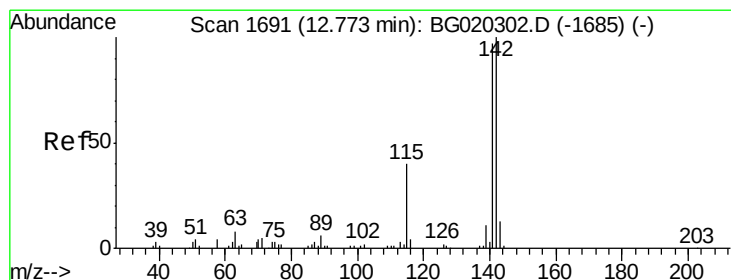
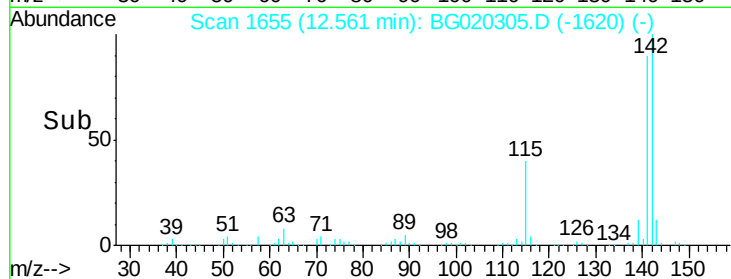
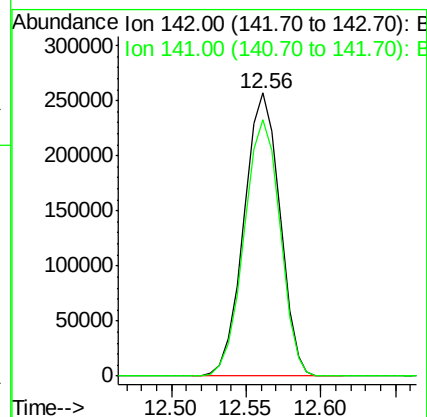
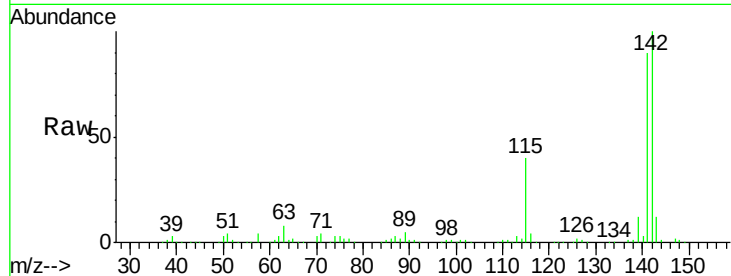




#34
 2-Methylnaphthalene
 Concen: 132.45 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: BG020305.D
 Acq: 19 Dec 2015 10:41

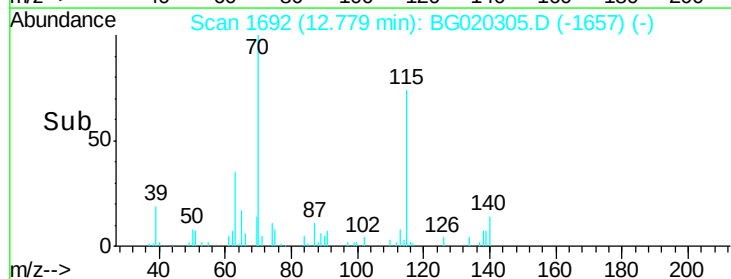
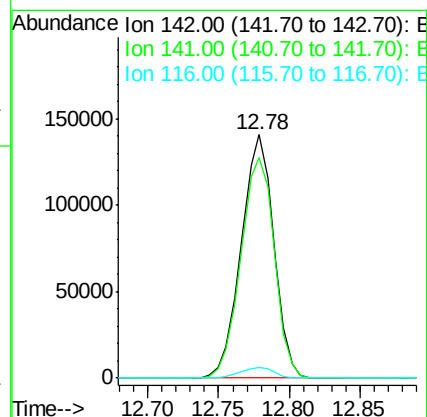
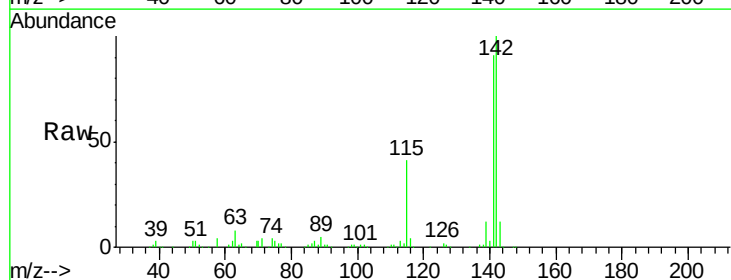
Instrument :
 BNA_G
 ClientSampleId :
 D9N46

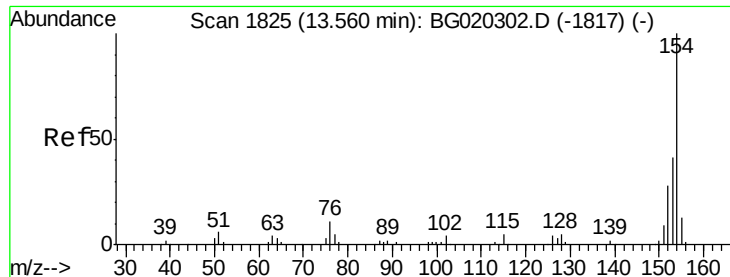
Tgt Ion:142 Resp: 428185
 Ion Ratio Lower Upper
 142 100
 141 90.5 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 72.80 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.01 min
 Lab File: BG020305.D
 Acq: 19 Dec 2015 10:41

Tgt Ion:142 Resp: 226252
 Ion Ratio Lower Upper
 142 100
 141 90.5 73.0 109.6
 116 4.2 3.0 4.6

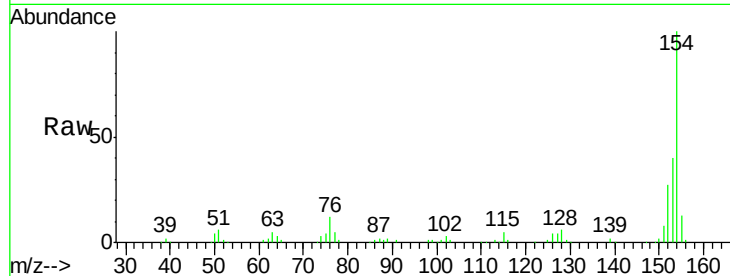




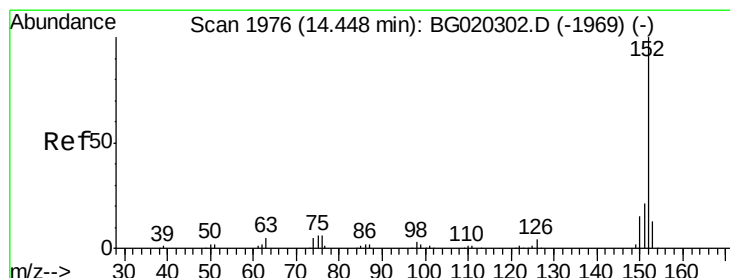
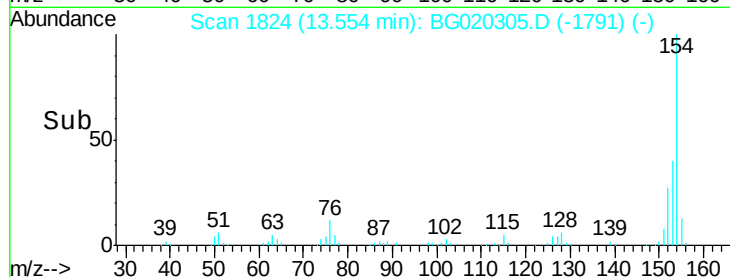
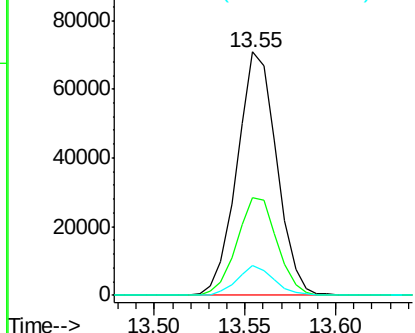
#41
 1,1'-Biphenyl
 Concen: 25.40 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BG020305.D
 Acq: 19 Dec 2015 10:41

Instrument :
 BNA_G
 ClientSampleId :
 D9N46

Tgt Ion:154 Resp: 107300
 Ion Ratio Lower Upper
 154 100
 153 40.3 35.5 53.3
 76 12.0 10.4 15.6

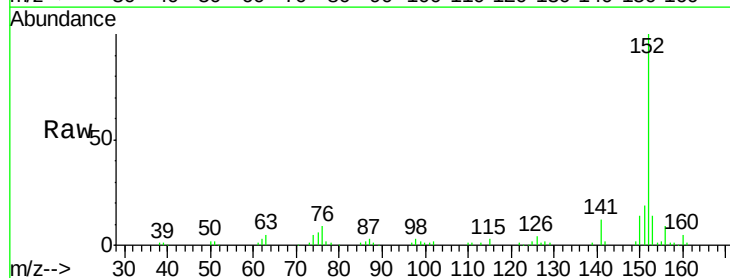


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

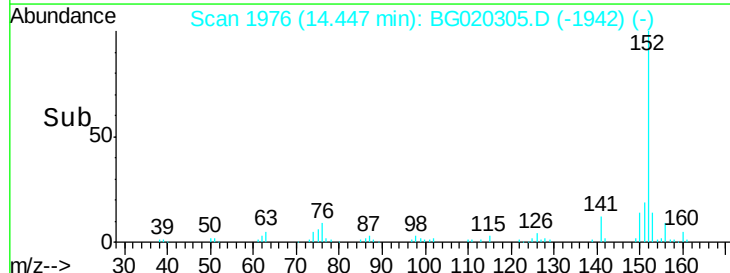
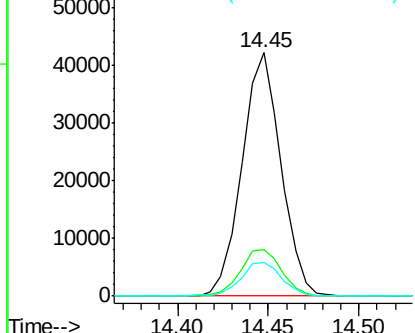


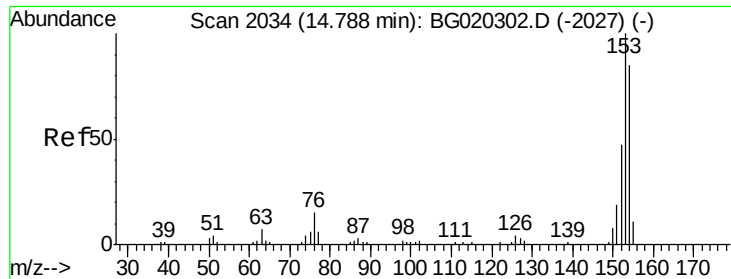
#48
 Acenaphthylene
 Concen: 11.23 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG020305.D
 Acq: 19 Dec 2015 10:41

Tgt Ion:152 Resp: 62861
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.4 24.6
 153 13.6 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 107.66 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

Instrument :

BNA_G

ClientSampleId :

D9N46

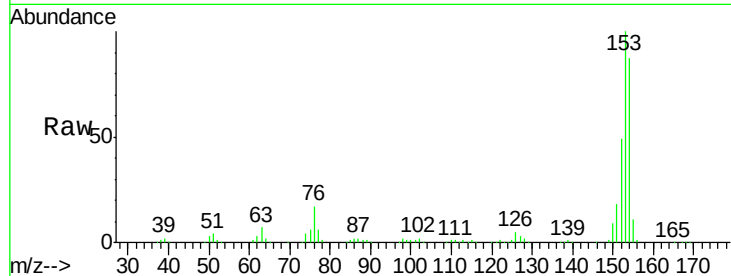
Tgt Ion:153 Resp: 405590

Ion Ratio Lower Upper

153 100

152 48.9 37.6 56.4

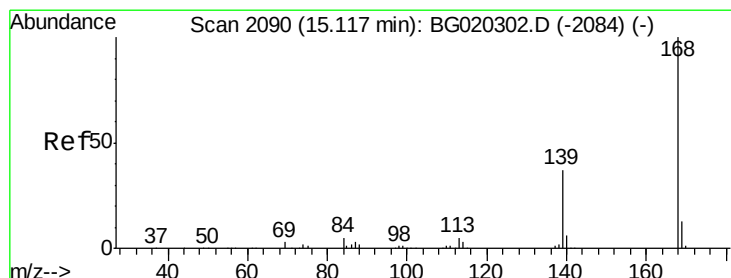
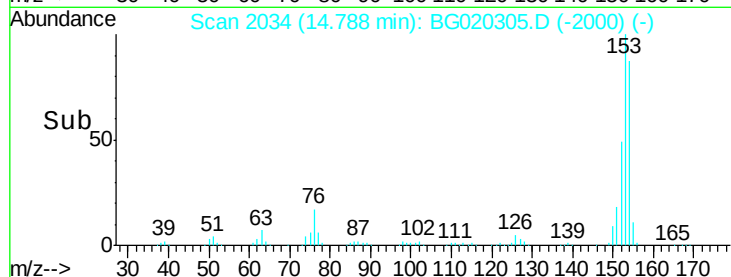
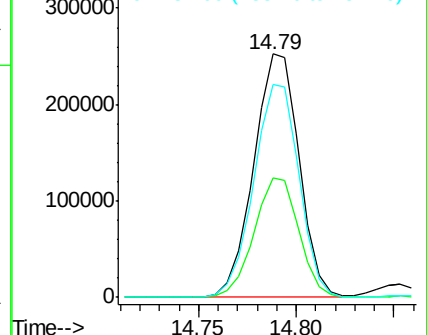
154 87.5 67.9 101.9



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: 56.66 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BG020305.D

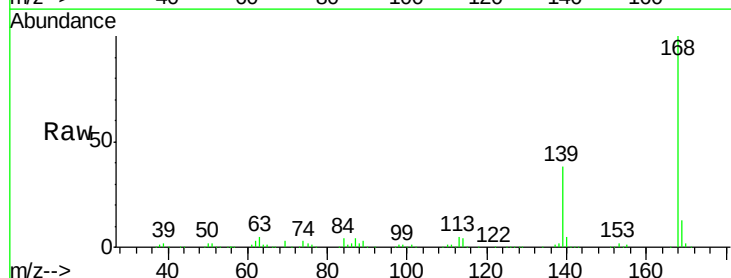
Acq: 19 Dec 2015 10:41

Tgt Ion:168 Resp: 317556

Ion Ratio Lower Upper

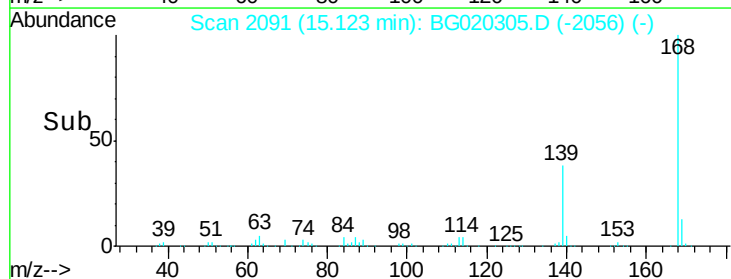
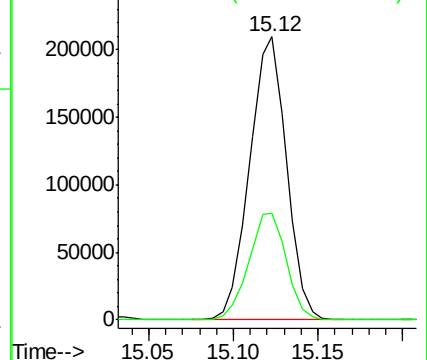
168 100

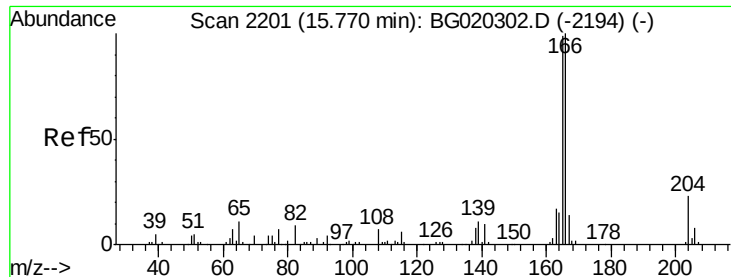
139 37.9 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 60.84 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

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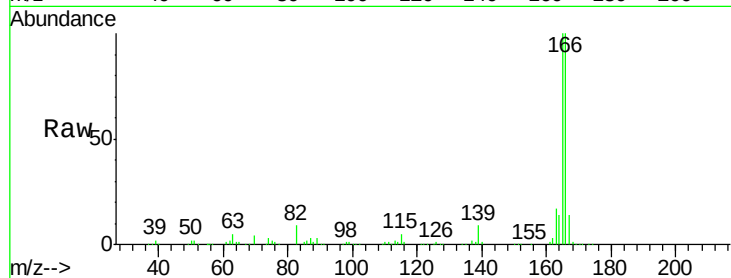
Tgt Ion:166 Resp: 273818

Ion Ratio Lower Upper

166 100

165 100.1 81.4 122.0

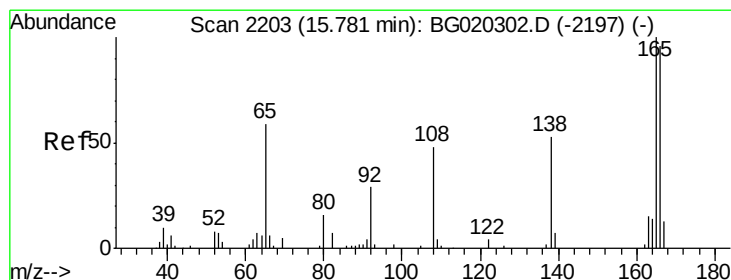
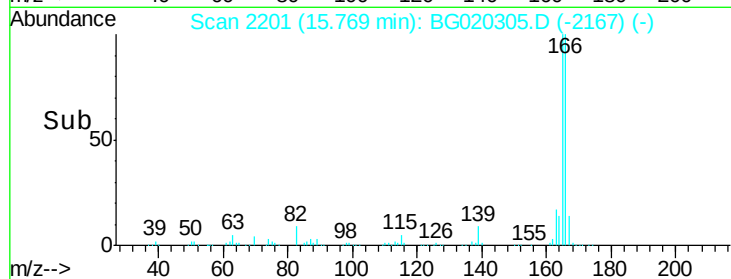
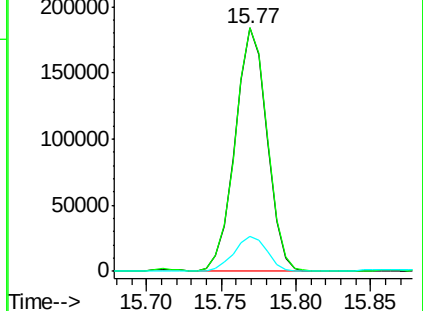
167 14.2 11.2 16.8



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



#61

4-Nitroaniline

Concen: 3.46 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

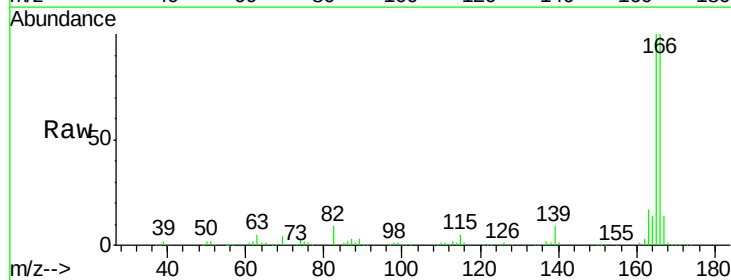
Tgt Ion:138 Resp: 3472

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

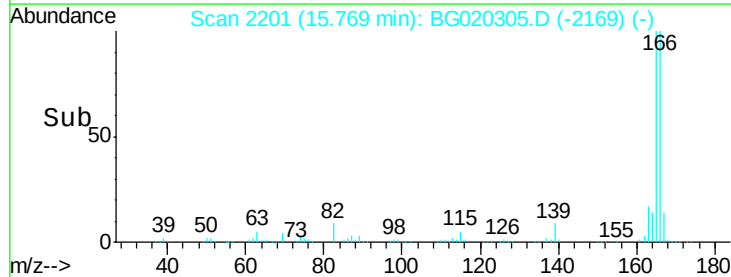
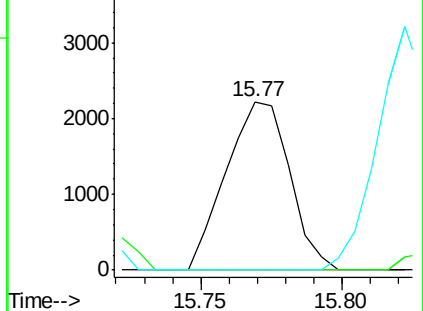
108 0.0 75.4 113.0#

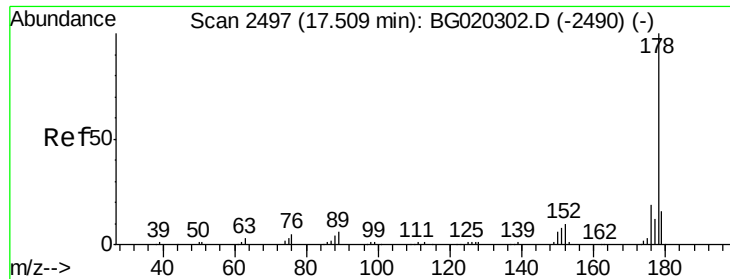


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 65.79 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BG020305.D

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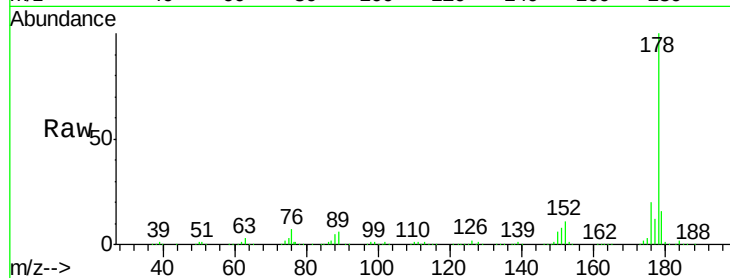
Tgt Ion:178 Resp: 513895

Ion Ratio Lower Upper

178 100

179 15.8 12.9 19.3

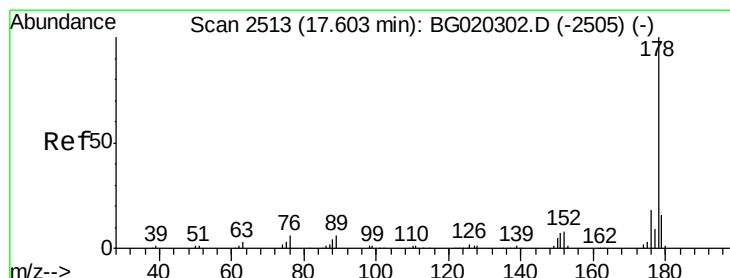
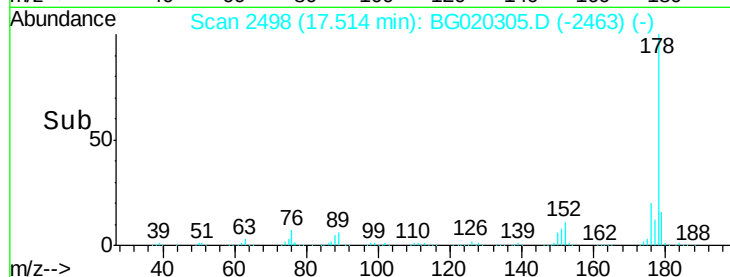
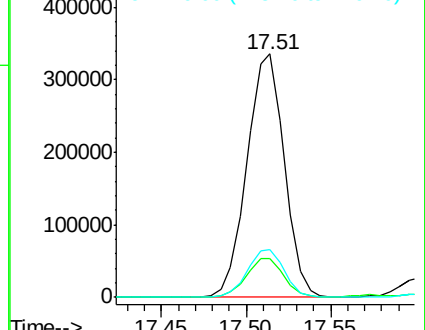
176 19.8 15.3 22.9



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: 4.73 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

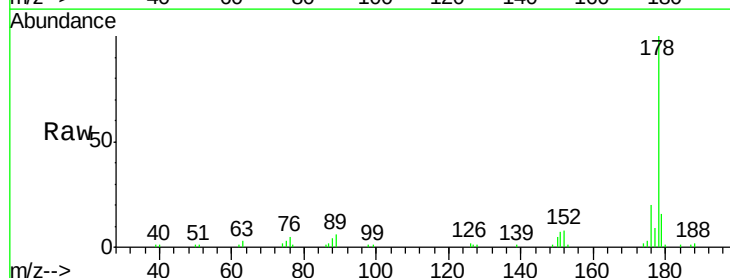
Tgt Ion:178 Resp: 37478

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

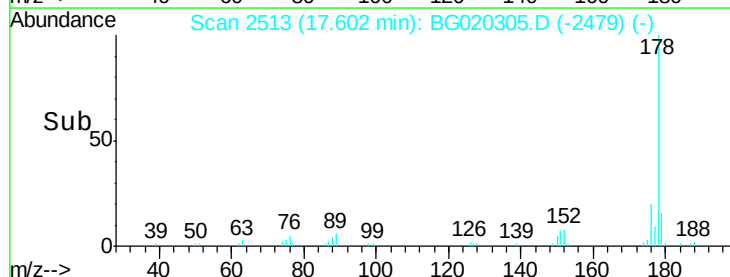
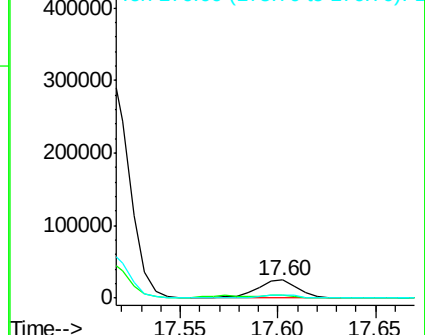
176 19.6 14.3 21.5

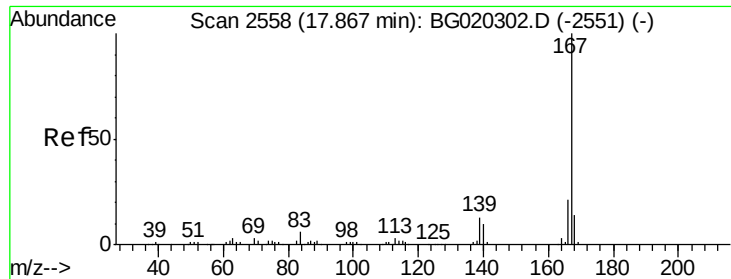


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 9.03 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

Instrument :

BNA_G

ClientSampled :

D9N46

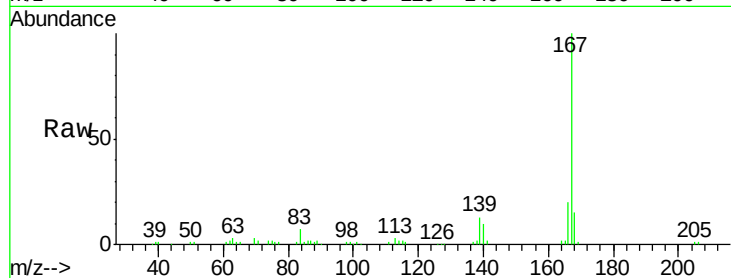
Tgt Ion:167 Resp: 60143

Ion Ratio Lower Upper

167 100

166 20.3 17.0 25.6

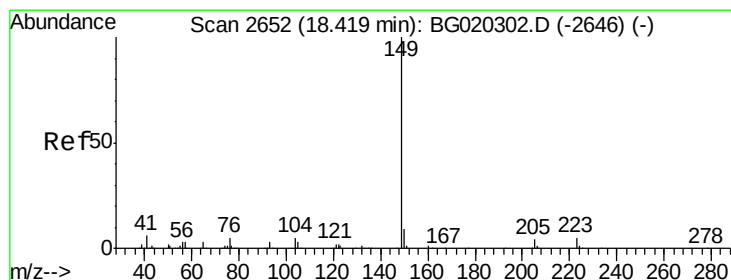
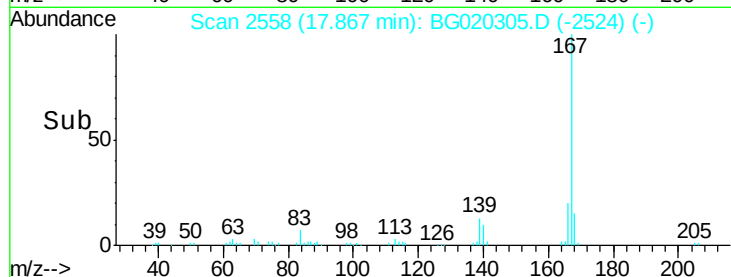
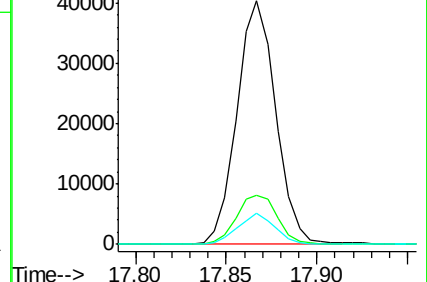
139 12.6 10.1 15.1



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



#76

Di-n-butylphthalate

Concen: 1.76 ng/ul

RT: 18.41 min Scan# 2651

Delta R.T. -0.01 min

Lab File: BG020305.D

Acq: 19 Dec 2015 10:41

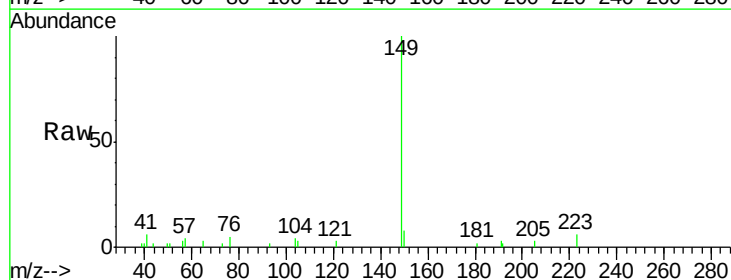
Tgt Ion:149 Resp: 13651

Ion Ratio Lower Upper

149 100

150 8.1 7.7 11.5

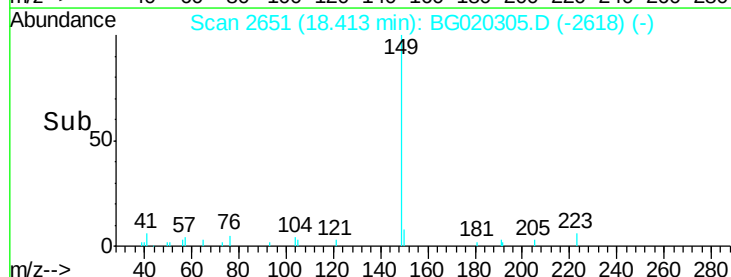
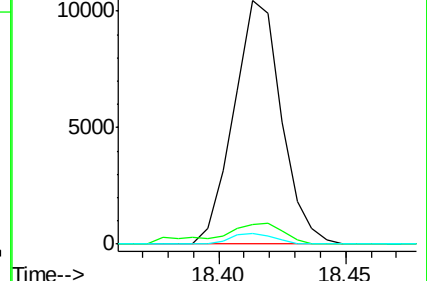
104 4.2 4.2 6.4

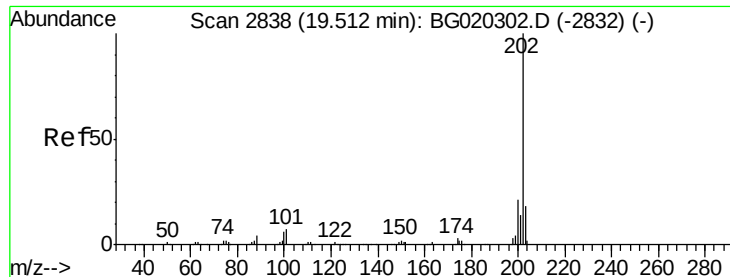


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

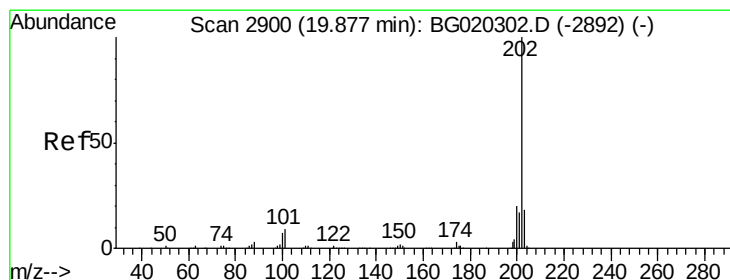
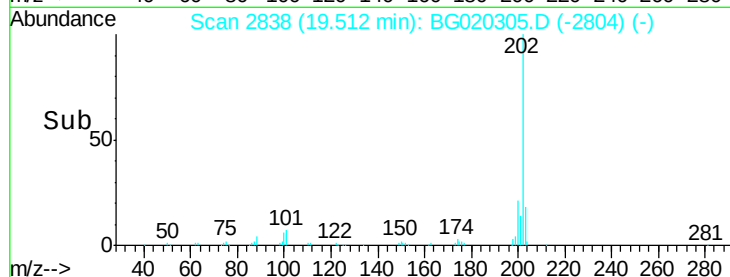
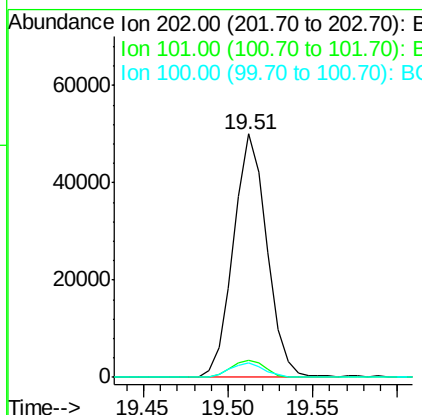
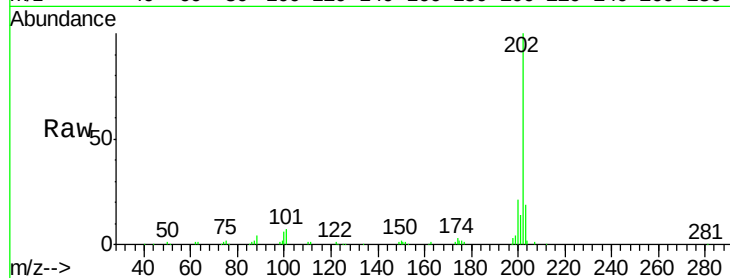




#77
Fluoranthene
Concen: 7.56 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BG020305.D
Acq: 19 Dec 2015 10:41

Instrument :
BNA_G
ClientSampleId :
D9N46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	6.0	5.1	7.7



#80
Pyrene
Concen: 3.73 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020305.D
Acq: 19 Dec 2015 10:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	8.5	6.4	9.6

