

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
 Data File : BG020390.D
 Acq On : 21 Dec 2015 23:39
 Operator : UM/SJ
 Sample : G4768-16DL 50X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Quant Time: Dec 22 02:05:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 02:00:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18636	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	81853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	55586	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	130565	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	160603	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	133017	20.00	ng/ul	-0.02

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	7.42	99	566	0.34	ng/ul	0.16
7) Bis-(2-Chloroethyl)ether-d	7.41	67	407	0.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	336	0.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	190	0.14	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	146	0.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	222	0.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	635	0.44	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	2595	0.58	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	3124	0.60	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	2988	0.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.46	188	130565	21.70	ng/ul	-0.11
79) Pyrene-d10	19.84	212	4952	0.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	4218	0.64	ng/ul	-0.01

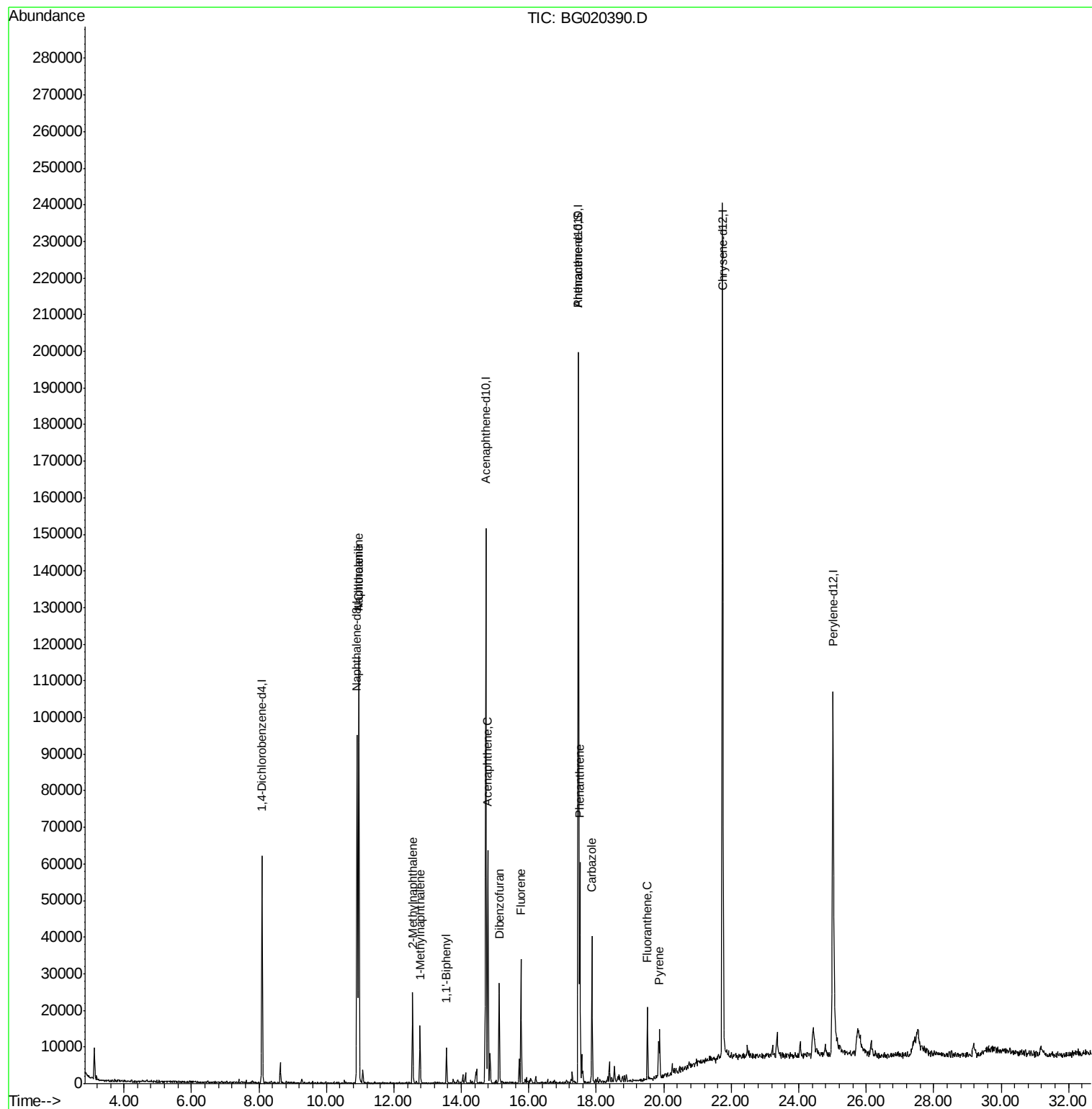
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.96	128	102160	23.90	ng/ul	98
30) 4-Chloroaniline	10.96	127	13425	8.14	ng/ul#	10
34) 2-Methylnaphthalene	12.56	142	13214	4.05	ng/ul	95
35) 1-Methylnaphthalene	12.78	142	8452	2.69	ng/ul	89
41) 1,1'-Biphenyl	13.56	154	5499	1.31	ng/ul#	93
50) Acenaphthene	14.79	153	27103	7.25	ng/ul	96
54) Dibenzofuran	15.12	168	19913	3.58	ng/ul	98
59) Fluorene	15.77	166	15896	3.56	ng/ul	94
70) Phenanthrene	17.51	178	42132	5.90	ng/ul	98
75) Carbazole	17.87	167	28117	4.62	ng/ul	98
77) Fluoranthene	19.51	202	15012	1.80	ng/ul#	95
80) Pyrene	19.87	202	10281	1.06	ng/ul#	96

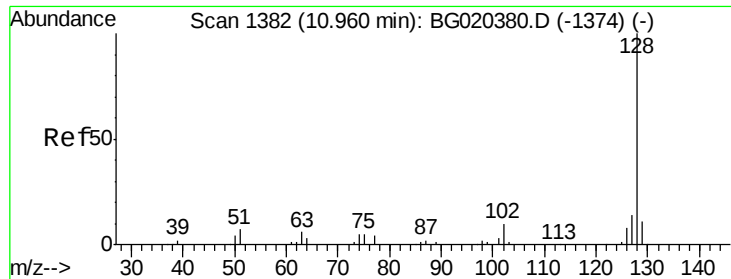
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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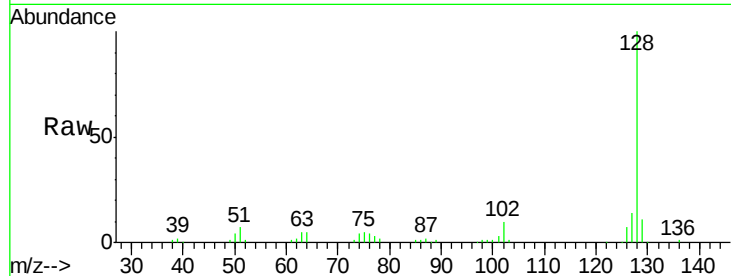




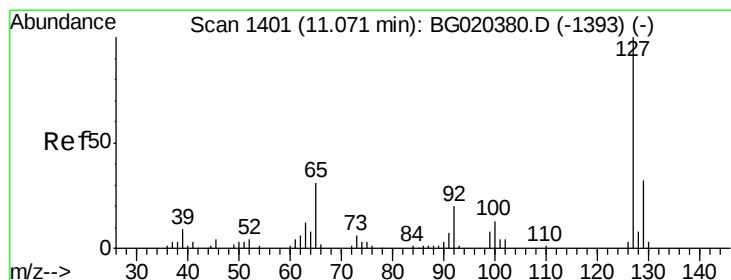
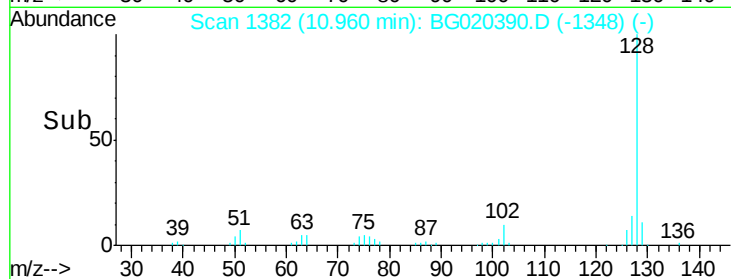
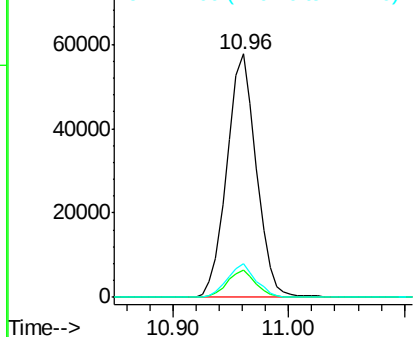
#28
Naphthalene
Concen: 23.90 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020390.D
Acq: 21 Dec 2015 23:39

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tgt Ion:128 Resp: 102160
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.7 10.1 15.1

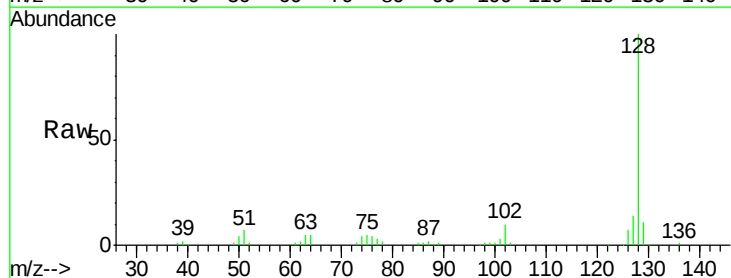


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

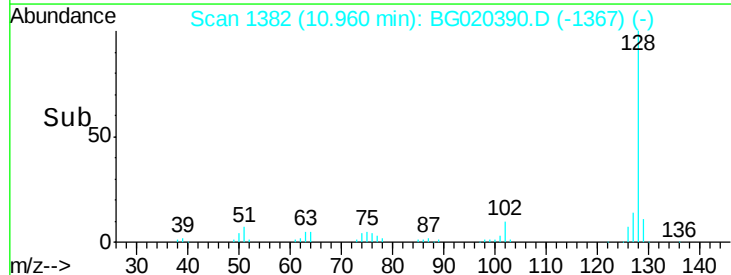
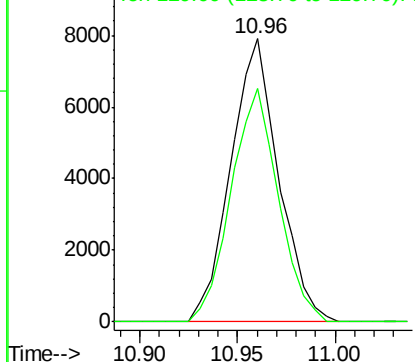


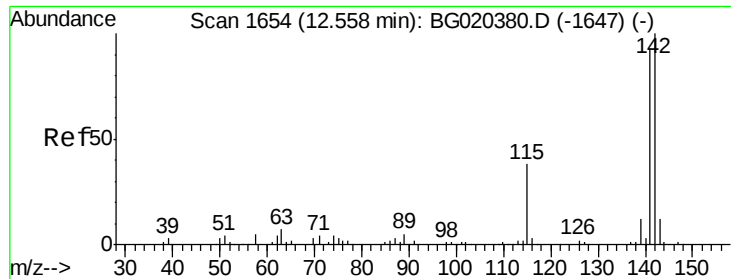
#30
4-Chloroaniline
Concen: 8.14 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.11 min
Lab File: BG020390.D
Acq: 21 Dec 2015 23:39

Tgt Ion:127 Resp: 13425
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

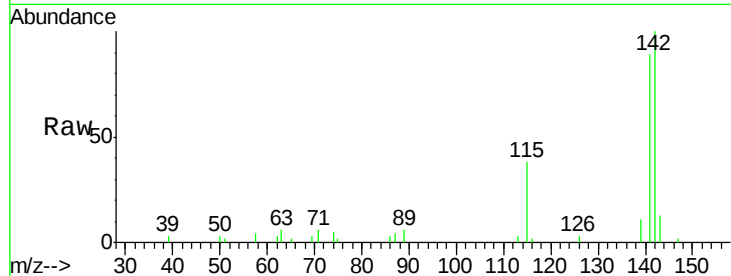




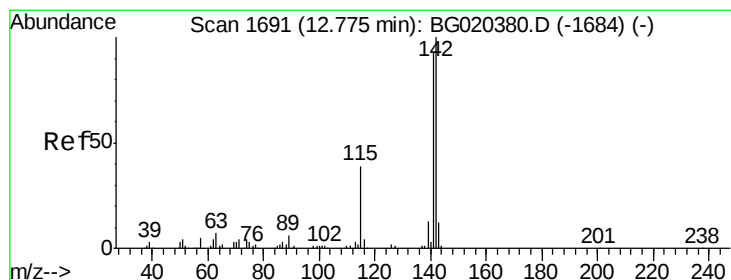
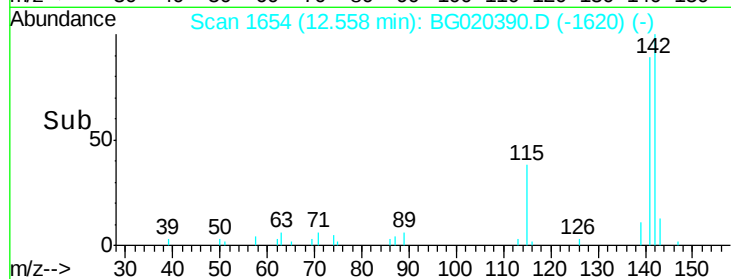
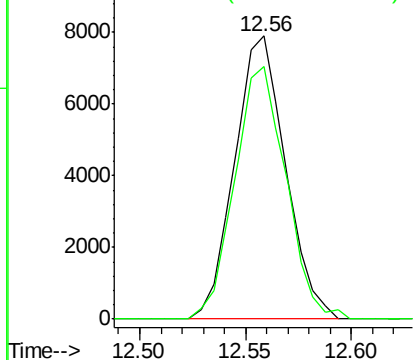
#34
 2-Methylnaphthalene
 Concen: 4.05 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Tgt Ion:142 Resp: 13214
 Ion Ratio Lower Upper
 142 100
 141 89.1 74.9 112.3

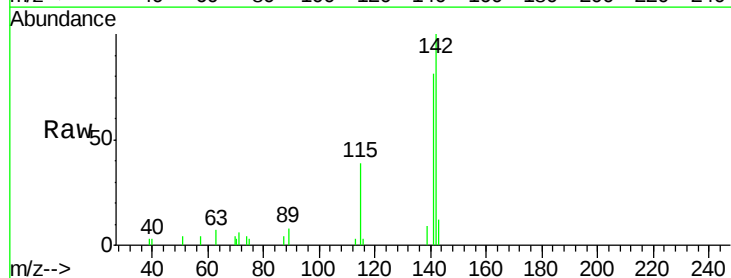


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

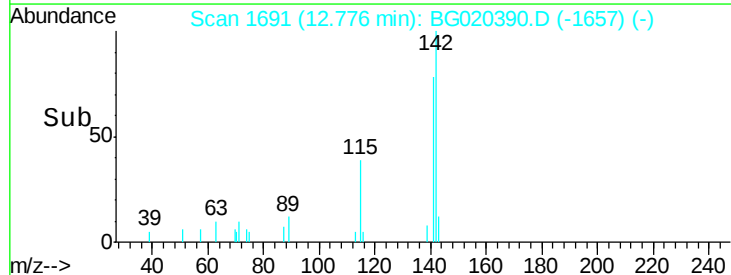
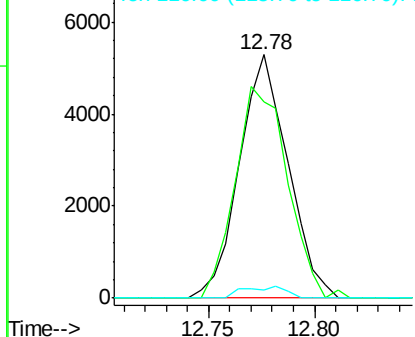


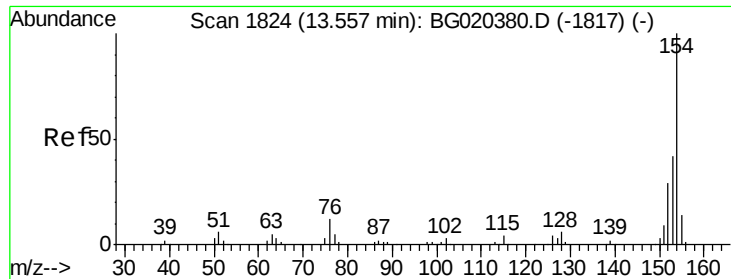
#35
 1-Methylnaphthalene
 Concen: 2.69 ng/ul
 RT: 12.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

Tgt Ion:142 Resp: 8452
 Ion Ratio Lower Upper
 142 100
 141 80.8 73.0 109.6
 116 3.5 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

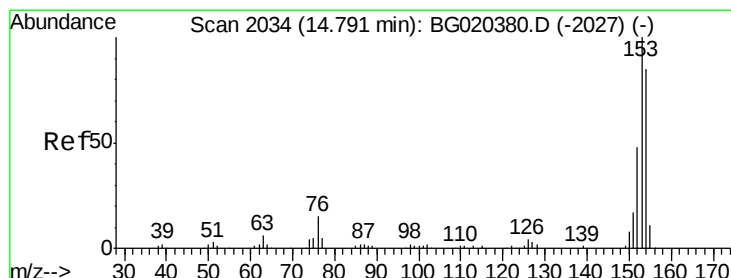
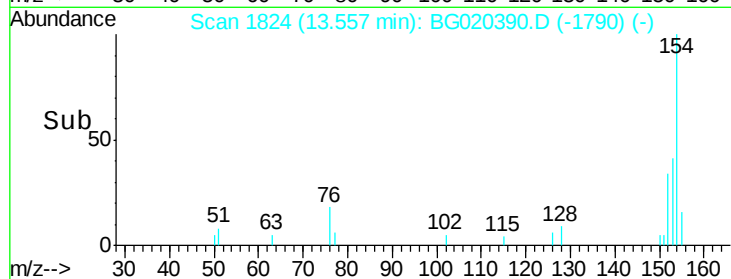
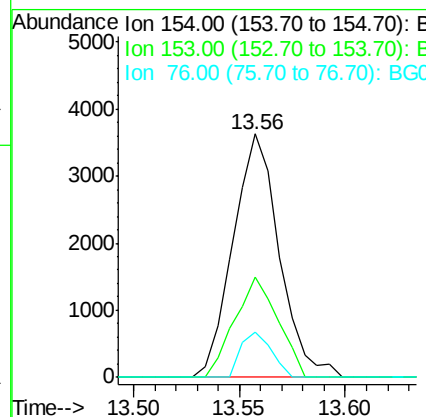
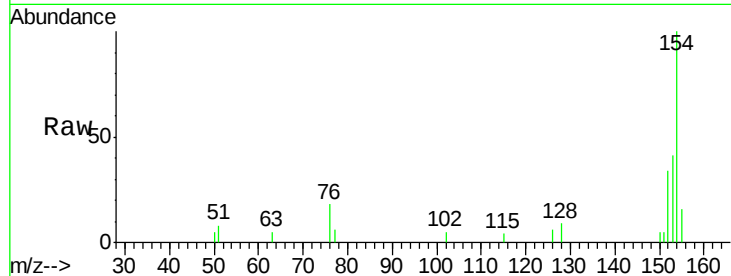




#41
 1,1'-Biphenyl
 Concen: 1.31 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

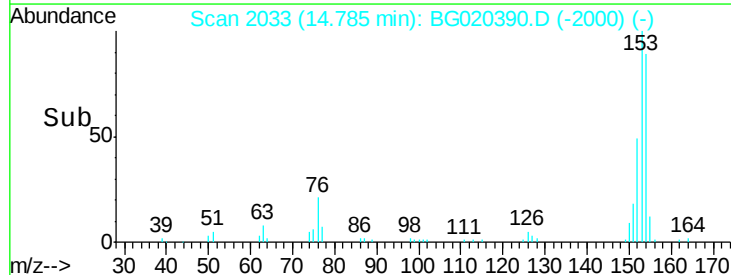
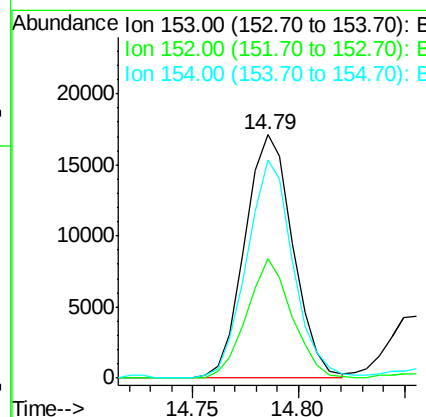
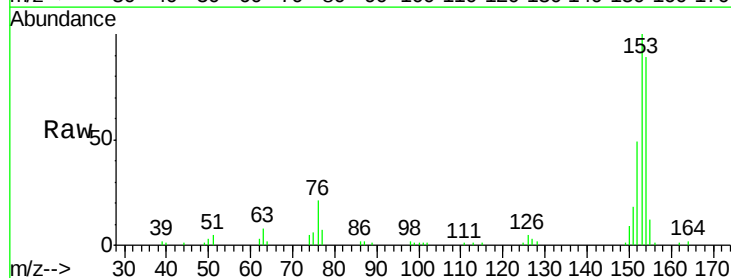
Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

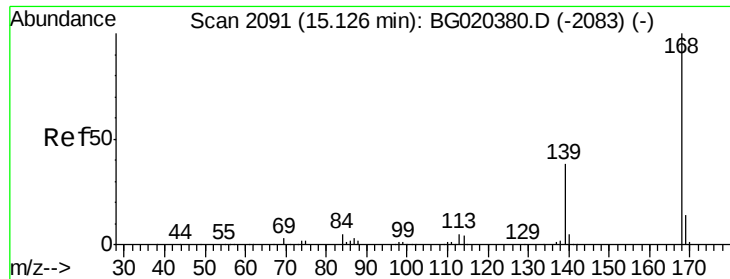
Tgt Ion:154 Resp: 5499
 Ion Ratio Lower Upper
 154 100
 153 41.0 35.5 53.3
 76 18.3 10.4 15.6#



#50
 Acenaphthene
 Concen: 7.25 ng/ul
 RT: 14.79 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

Tgt Ion:153 Resp: 27103
 Ion Ratio Lower Upper
 153 100
 152 48.8 37.6 56.4
 154 89.5 67.9 101.9





#54

Dibenzenofuran

Concen: 3.58 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020390.D

Acq: 21 Dec 2015 23:39

Instrument :

BNA_G

ClientSampleId :

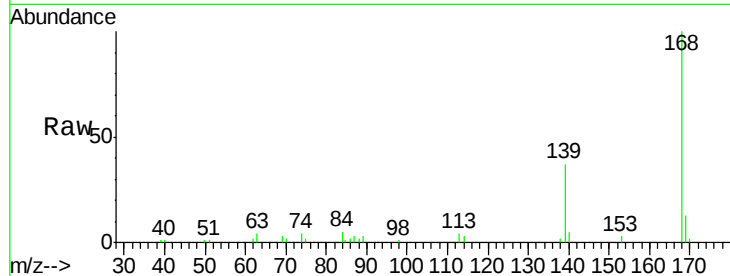
D9N40DL

Tgt Ion:168 Resp: 19913

Ion Ratio Lower Upper

168 100

139 37.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.12

15000

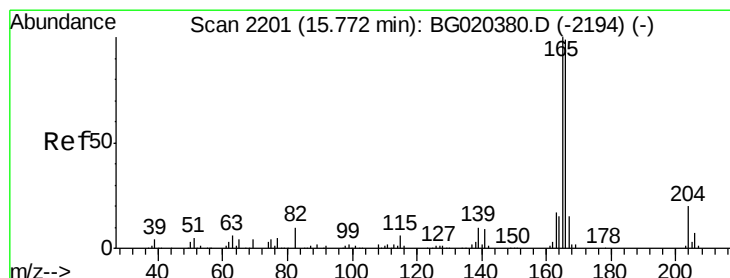
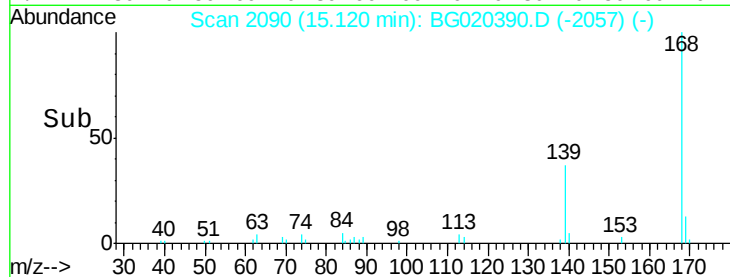
10000

5000

0

Time-->

15.05 15.10 15.15



#59

Fluorene

Concen: 3.56 ng/ul

RT: 15.77 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG020390.D

Acq: 21 Dec 2015 23:39

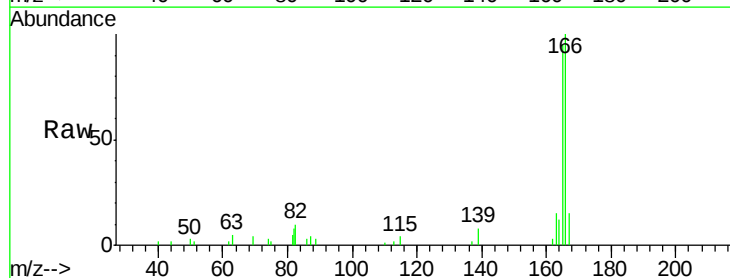
Tgt Ion:166 Resp: 15896

Ion Ratio Lower Upper

166 100

165 94.8 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

15.77

15000

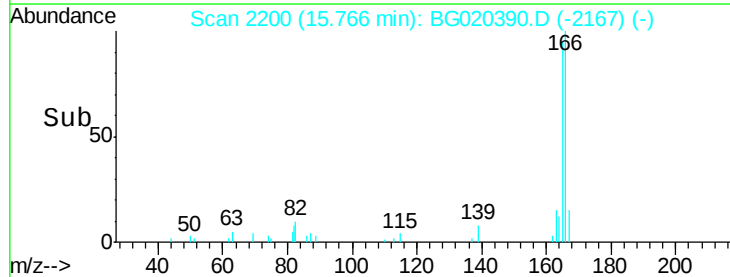
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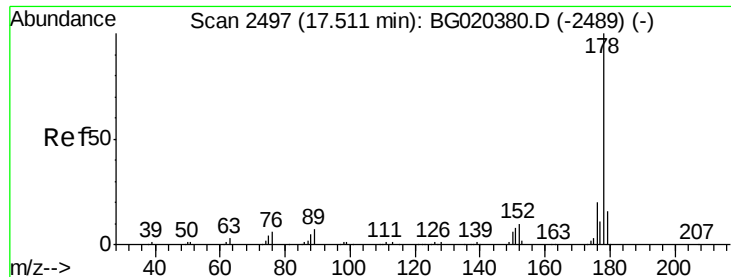
5000

0

Time-->

15.75 15.80





#70

Phenanthrene

Concen: 5.90 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG020390.D

Acq: 21 Dec 2015 23:39

Instrument :

BNA_G

ClientSampleId :

D9N40DL

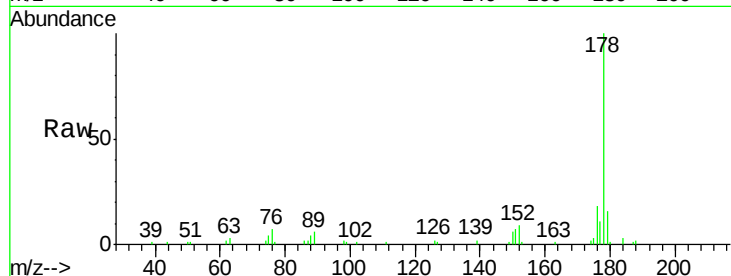
Tgt Ion:178 Resp: 42132

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

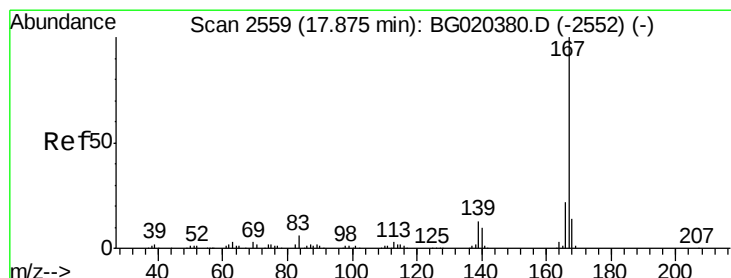
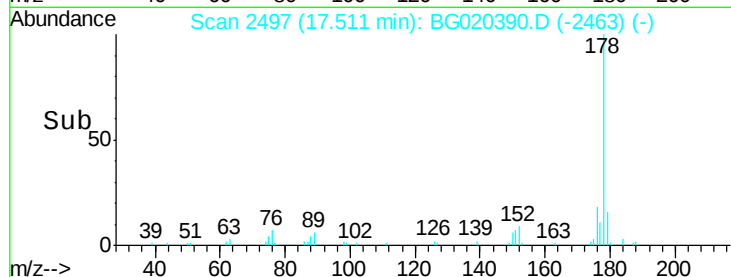
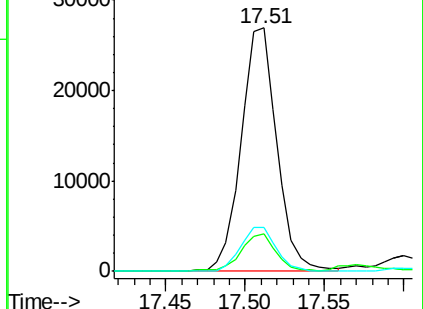
176 17.9 15.3 22.9



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



#75

Carbazole

Concen: 4.62 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BG020390.D

Acq: 21 Dec 2015 23:39

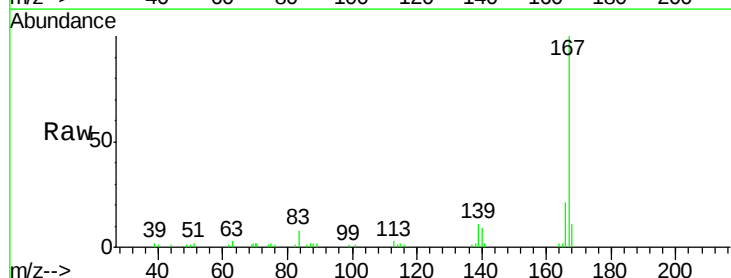
Tgt Ion:167 Resp: 28117

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

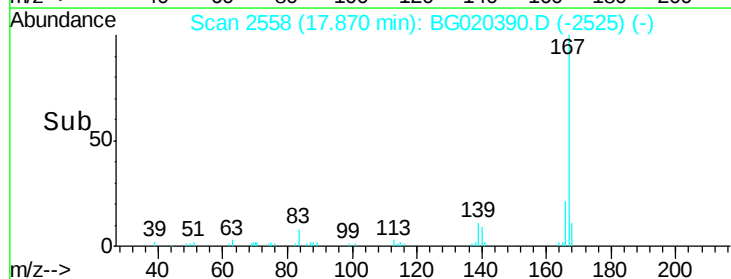
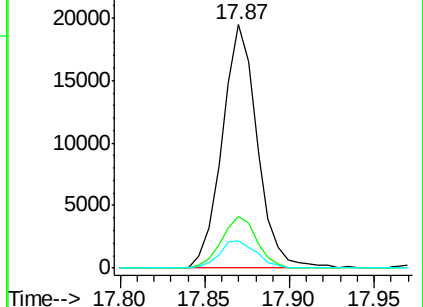
139 11.1 10.1 15.1

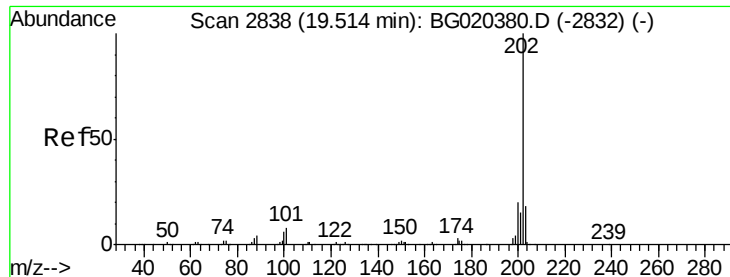


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

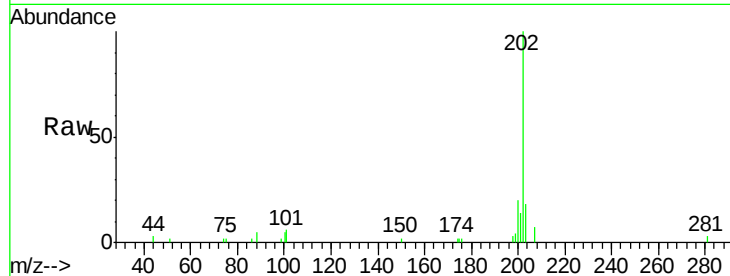




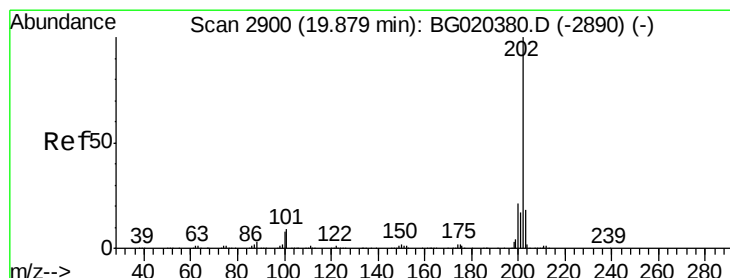
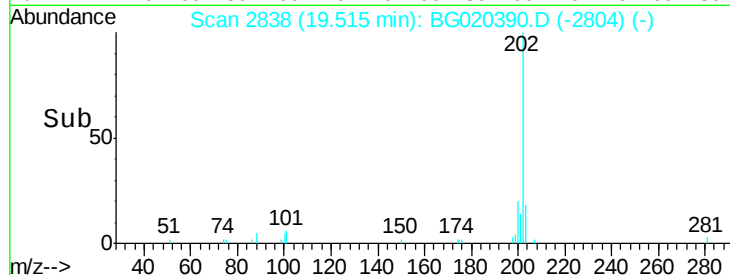
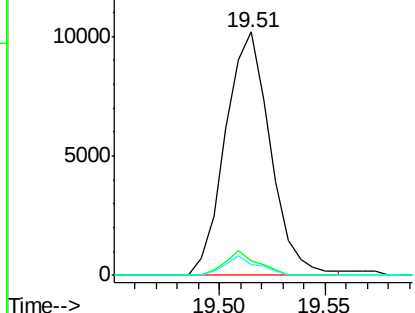
#77
Fluoranthene
 Concen: 1.80 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

Instrument :
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 D9N40DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	6.2	9.4#
100	4.6	5.1	7.7#

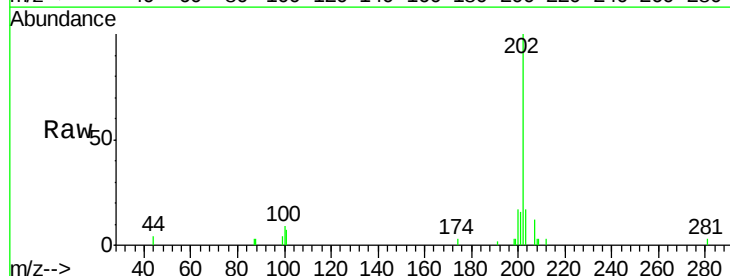


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



#80
Pyrene
 Concen: 1.06 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: BG020390.D
 Acq: 21 Dec 2015 23:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	7.0	10.4#
100	9.2	6.4	9.6



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

