

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020358.D
 Acq On : 21 Dec 2015 1:14
 Operator : UM/SJ
 Sample : G4848-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N52

Quant Time: Dec 21 03:22:39 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 01:58:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20601	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	90735	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	62817	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	150054	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	185925	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	171794	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1776	4.76	ng/uL	0.00
5) Phenol-d5	7.26	99	54253	29.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	32877	30.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	42813	32.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	48536	31.24	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	23232	32.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	27452	34.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	52307	32.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	57848	32.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	192282	37.84	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	212003	35.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	28600	31.38	ng/ul	0.00
58) Fluorene-d10	15.72	176	168691	36.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	29745	33.44	ng/ul	0.00
71) Anthracene-d10	17.57	188	282438	40.85	ng/ul	0.00
79) Pyrene-d10	19.85	212	337803	38.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	377312	44.03	ng/ul	0.00

Target Compounds

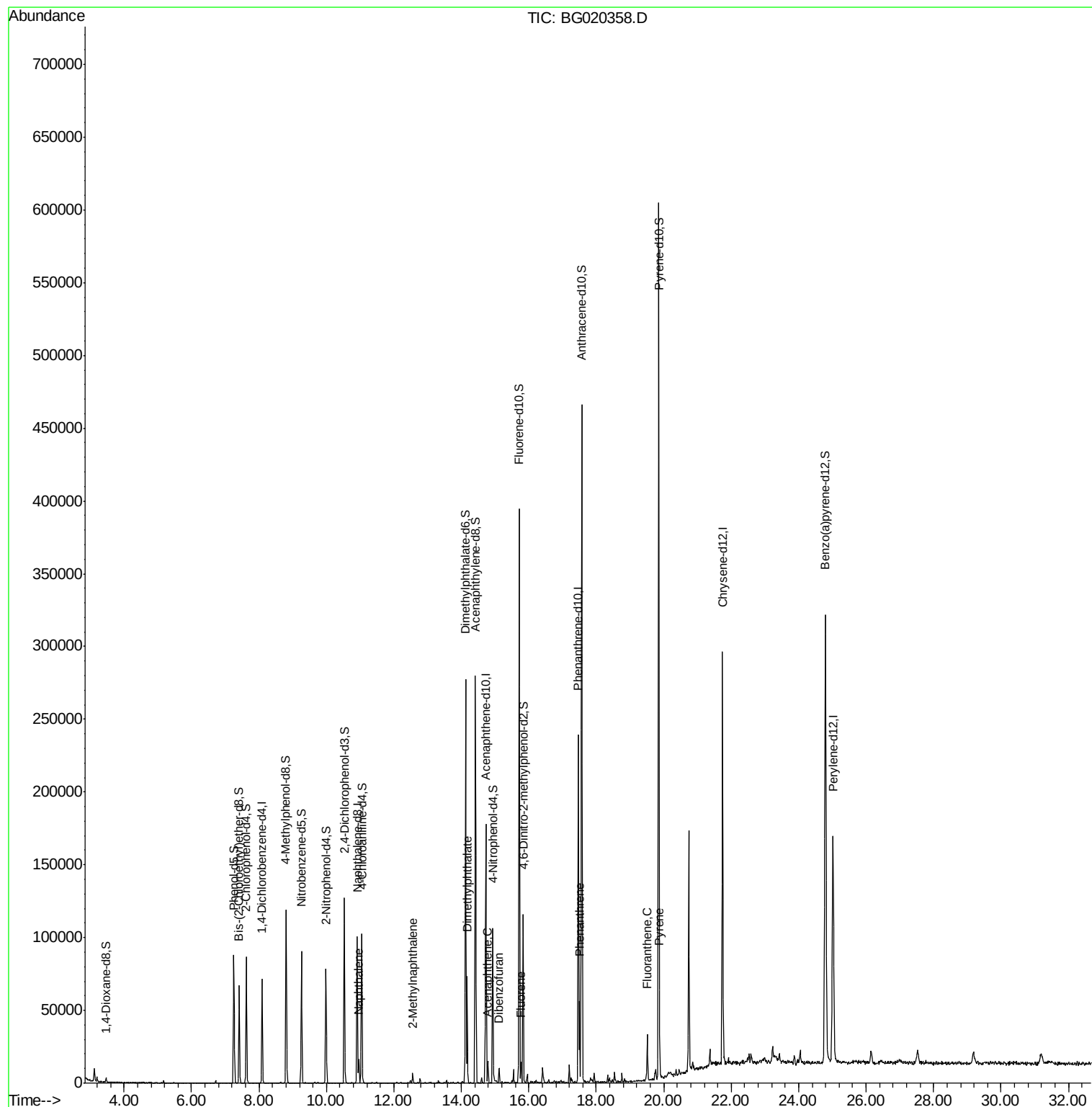
						Ovalue
28) Naphthalene	10.96	128	15376	3.25	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	4493	1.24	ng/ul	91
45) Dimethylphthalate	14.17	163	49792	9.59	ng/ul	99
50) Acenaphthene	14.79	153	7631	1.81	ng/ul	95
54) Dibenzofuran	15.12	168	7916	1.26	ng/ul	100
59) Fluorene	15.76	166	7164	1.42	ng/ul	98
70) Phenanthrene	17.51	178	35599	4.34	ng/ul	97
77) Fluoranthene	19.51	202	22688	2.37	ng/ul#	96
80) Pvrene	19.88	202	15248	1.36	ng/ul	98

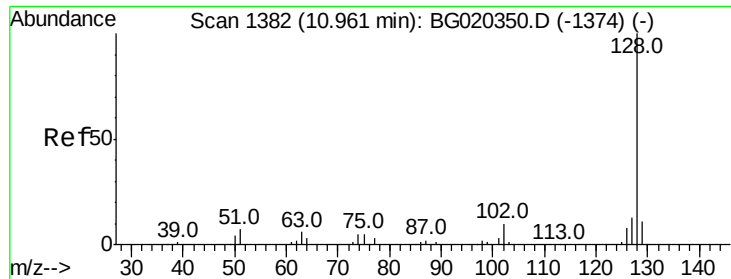
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 3.25 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

Instrument :

BNA_G

ClientSampleId :

D9N52

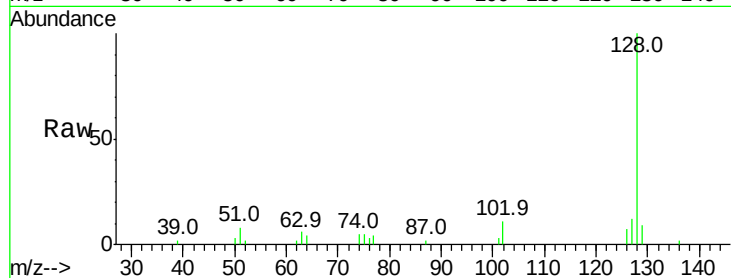
Tot Ion:128 Resp: 15376

Ion Ratio Lower Upper

128 100

129 9.1 8.6 12.8

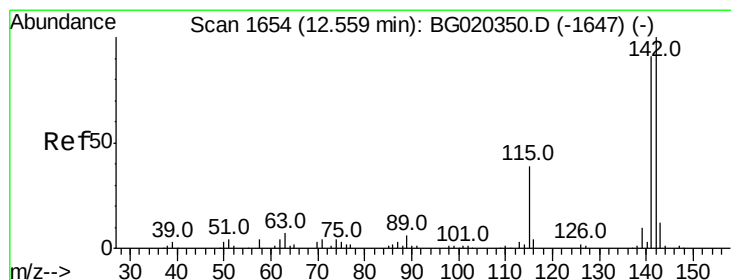
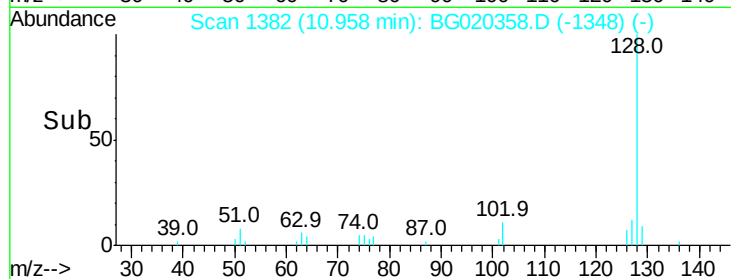
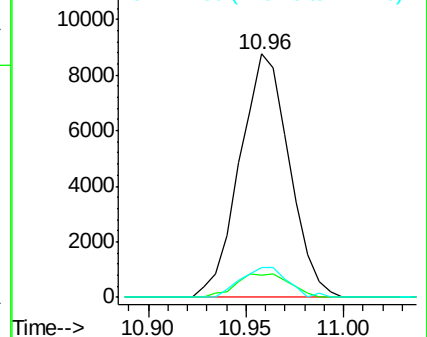
127 12.1 10.1 15.1



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



#34

2-Methylnaphthalene

Concen: 1.24 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG020358.D

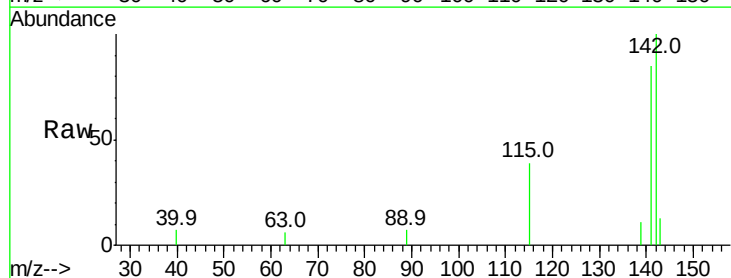
Acq: 21 Dec 2015 1:14

Tgt Ion:142 Resp: 4493

Ion Ratio Lower Upper

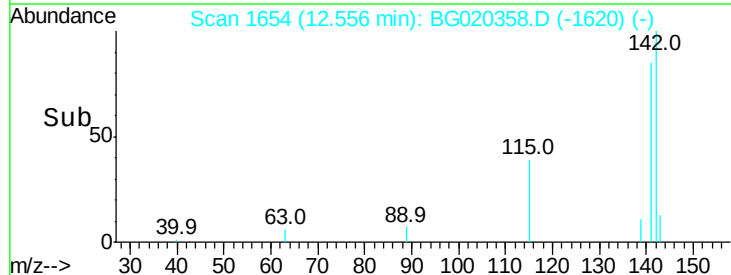
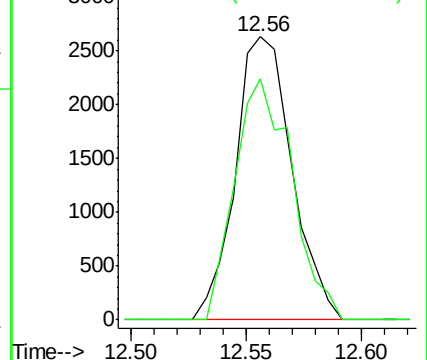
142 100

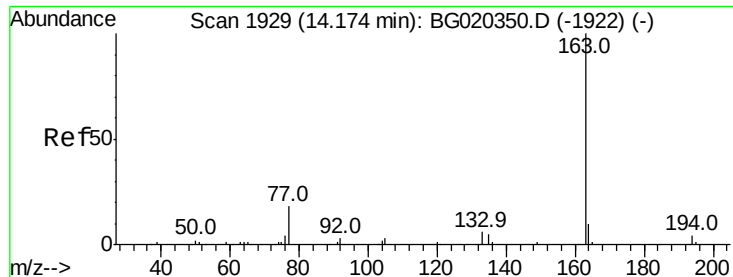
141 85.3 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 9.59 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

Instrument :

BNA_G

ClientSampleId :

D9N52

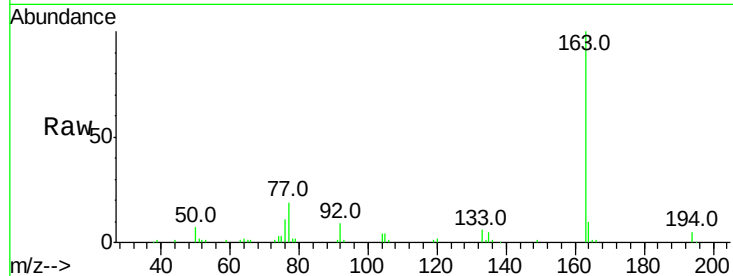
Tot Ion:163 Resp: 49792

Ion Ratio Lower Upper

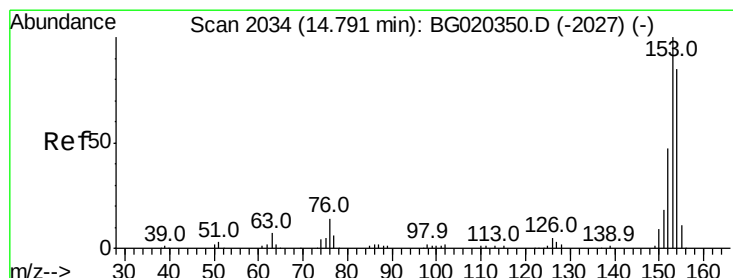
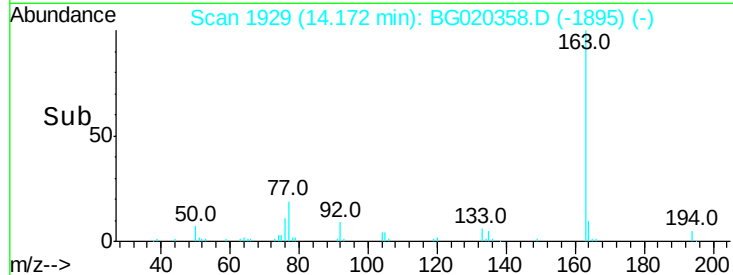
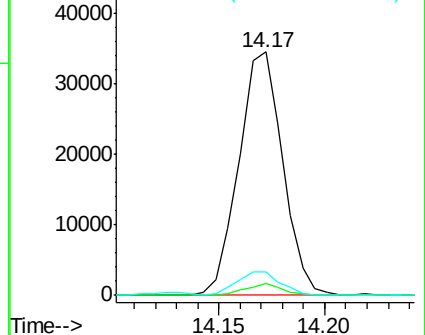
163 100

194 4.8 3.5 5.3

164 9.5 7.7 11.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.81 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

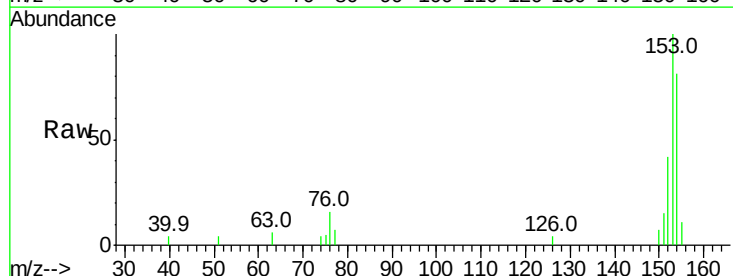
Tgt Ion:153 Resp: 7631

Ion Ratio Lower Upper

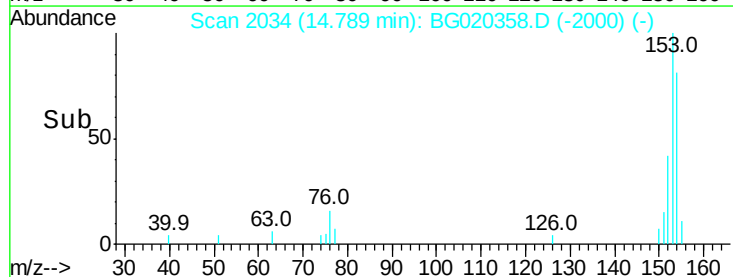
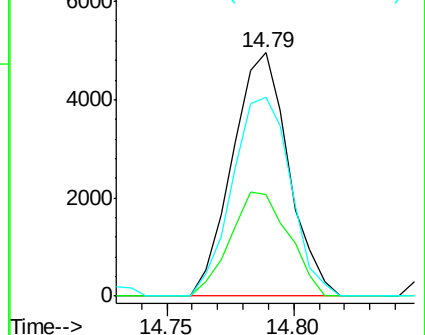
153 100

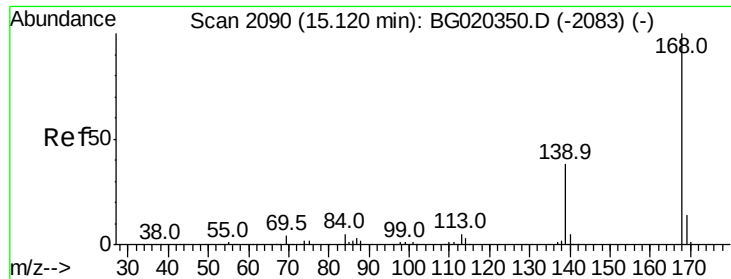
152 41.9 37.6 56.4

154 81.4 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: 1.26 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

Instrument :

BNA_G

ClientSampleId :

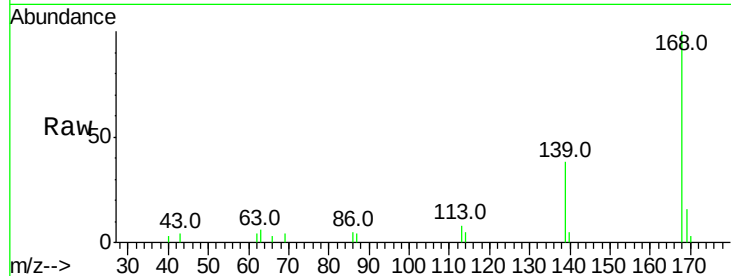
D9N52

Tot Ion:168 Resp: 7916

Ion Ratio Lower Upper

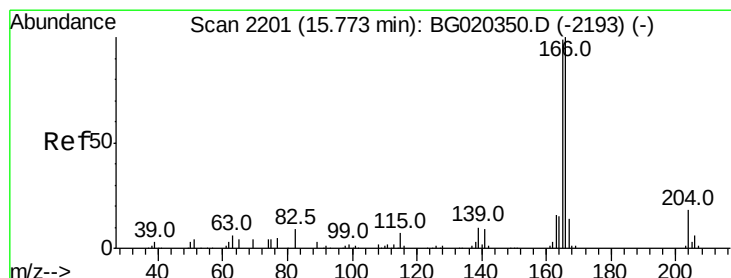
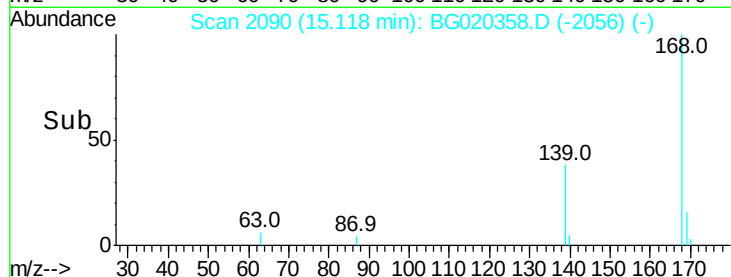
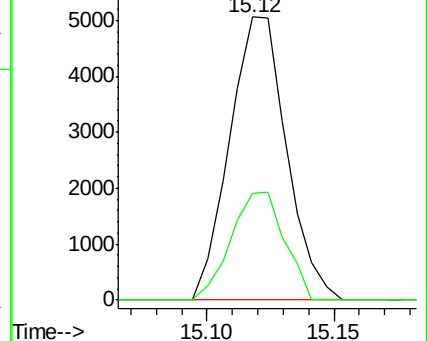
168 100

139 37.8 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: 1.42 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

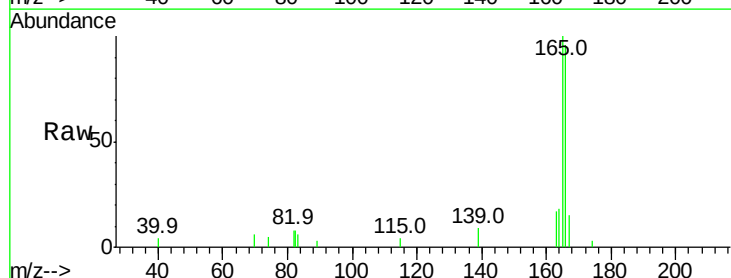
Tgt Ion:166 Resp: 7164

Ion Ratio Lower Upper

166 100

165 103.9 81.4 122.0

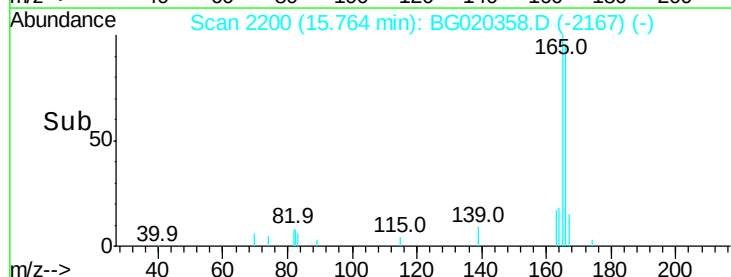
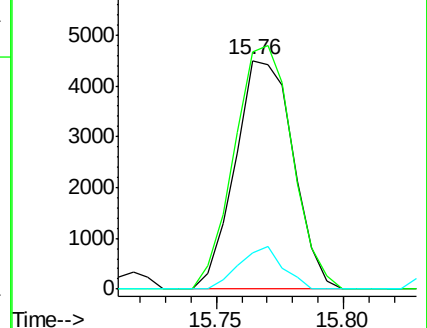
167 16.0 11.2 16.8

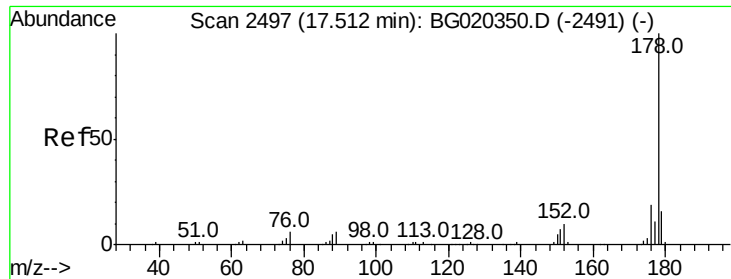


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 4.34 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

Instrument :

BNA_G

ClientSampleId :

D9N52

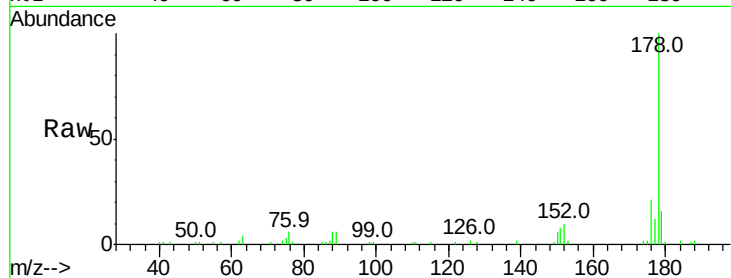
Tot Ion:178 Resp: 35599

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	21.2	15.3	22.9

178 100

179 16.3 12.9 19.3

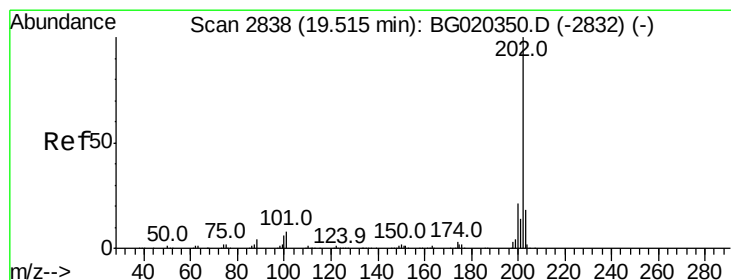
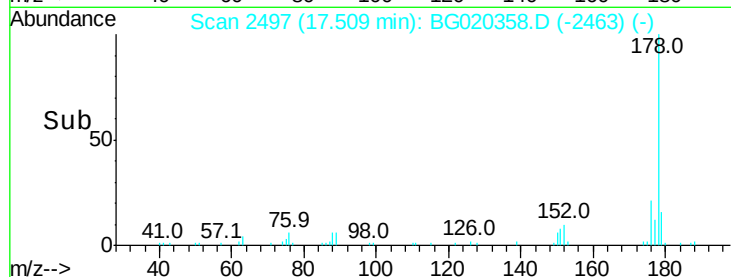
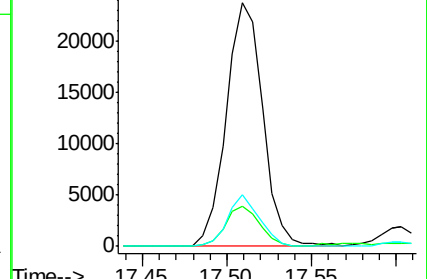
176 21.2 15.3 22.9



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



#77

Fluoranthene

Concen: 2.37 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020358.D

Acq: 21 Dec 2015 1:14

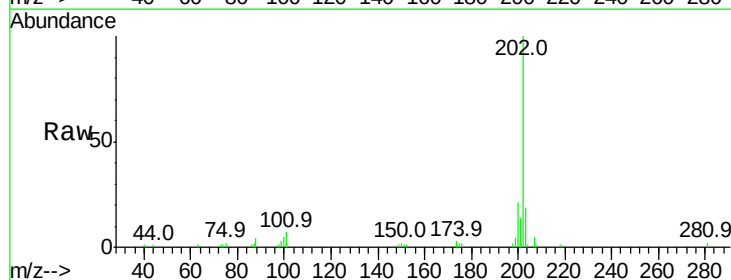
Tgt Ion:202 Resp: 22688

Ion	Ratio	Lower	Upper
202	100		
101	6.7	6.2	9.4
100	4.6	5.1	7.7

202 100

101 6.7 6.2 9.4

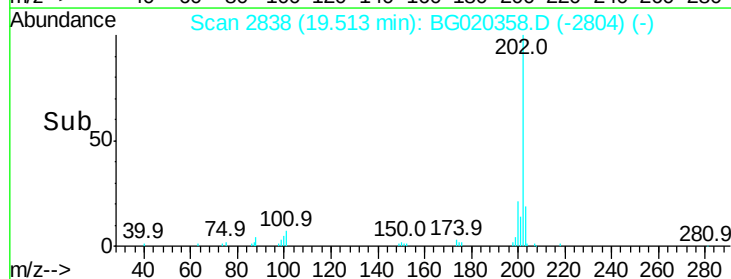
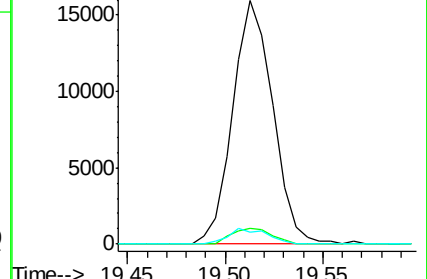
100 4.6 5.1 7.7

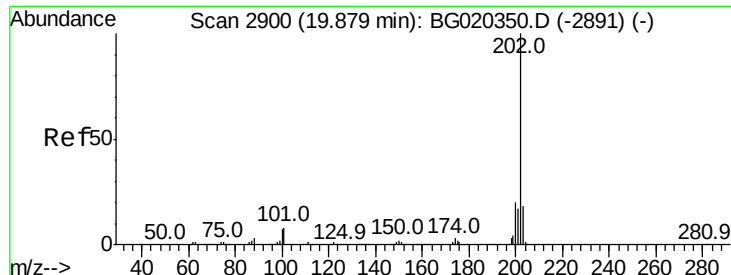


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

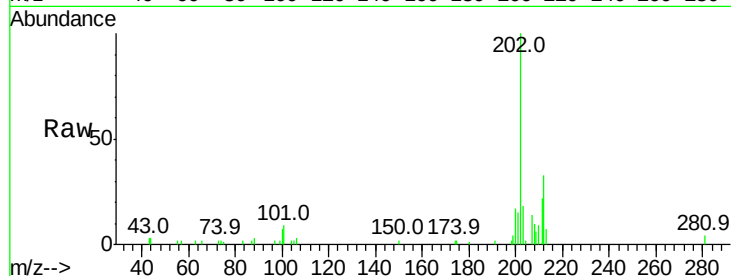




#80
 Pvrene
 Concen: 1.36 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020358.D
 Acq: 21 Dec 2015 1:14

Instrument :
 BNA_G
 ClientSampleId :
 D9N52

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.0	10.4
100	7.4	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

