

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020288.D
 Acq On : 18 Dec 2015 23:28
 Operator : UM/SJ
 Sample : G4768-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N33

Quant Time: Dec 19 00:51:50 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17094	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	72089	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	51295	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	130642	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	174142	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	161371	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	439	1.42	ng/uL	0.00
5) Phenol-d5	7.24	99	11083	7.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	28886	32.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	30884	28.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	20931	16.24	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20295	36.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	23280	37.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	40823	32.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	2880	2.02	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	147411	35.53	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	169820	35.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4446	5.97	ng/ul	0.00
58) Fluorene-d10	15.72	176	133801	35.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	23028	29.73	ng/ul	0.00
71) Anthracene-d10	17.57	188	214881	35.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	261561	32.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	290391	36.08	ng/ul	0.00

Target Compounds

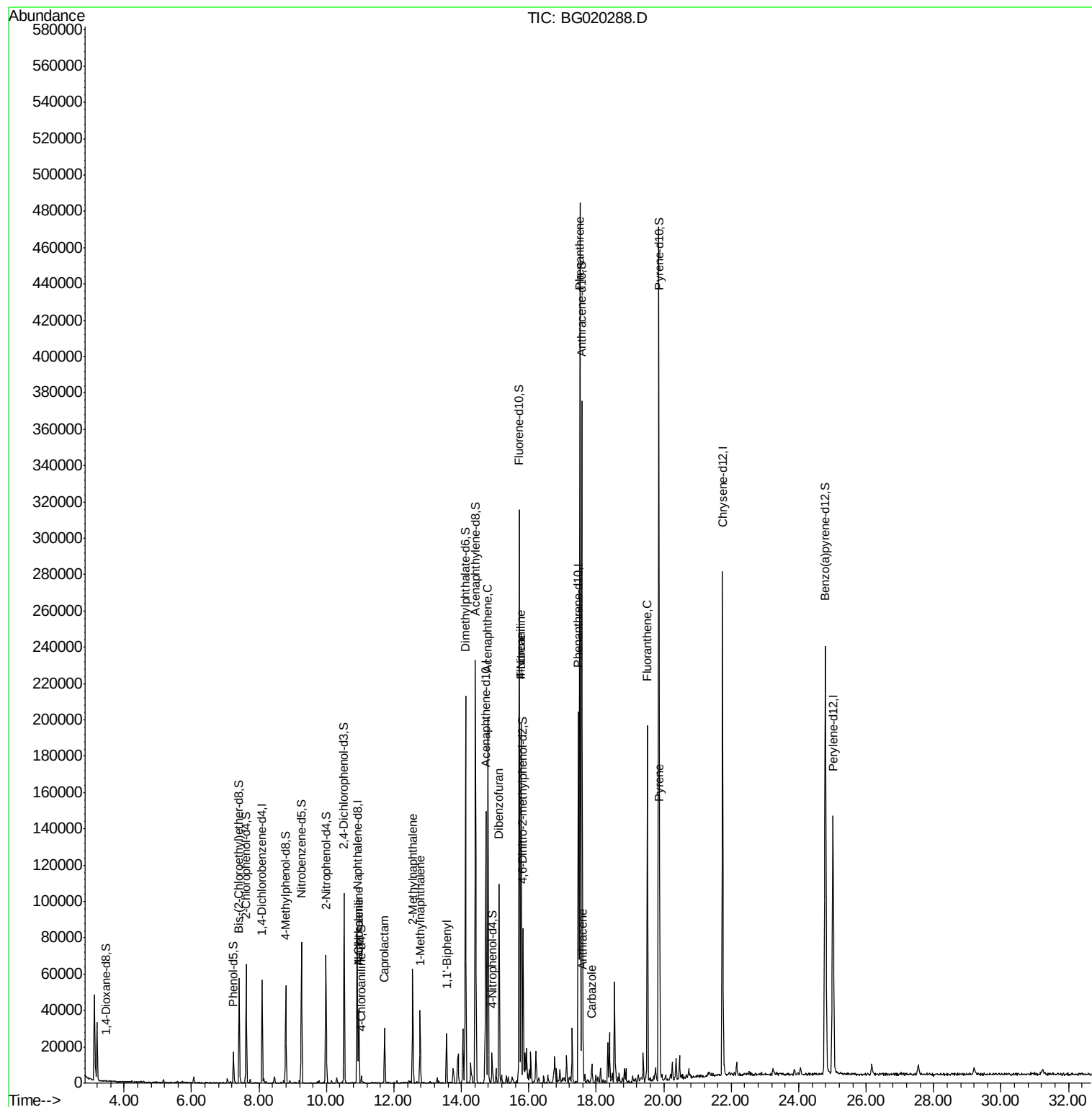
						Qvalue
28) Naphthalene	10.96	128	35084	9.32	ng/ul	98
30) 4-Chloroaniline	10.96	127	4686	3.23	ng/ul#	34
32) Caprolactam	11.72	113	2495	5.43	ng/ul#	1
34) 2-Methylnaphthalene	12.56	142	31438	10.93	ng/ul	95
35) 1-Methylnaphthalene	12.77	142	19885	7.19	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	15385	3.98	ng/ul#	97
50) Acenaphthene	14.79	153	87240	25.28	ng/ul	100
54) Dibenzofuran	15.12	168	73102	14.24	ng/ul	97
59) Fluorene	15.77	166	89505	21.71	ng/ul	97
61) 4-Nitroaniline	15.77	138	985	1.07	ng/ul#	10
70) Phenanthrene	17.51	178	323999	45.34	ng/ul	100
72) Anthracene	17.60	178	24131	3.33	ng/ul	99
75) Carbazole	17.87	167	6968	1.14	ng/ul#	94
77) Fluoranthene	19.52	202	136211	16.31	ng/ul	99
80) Pyrene	19.88	202	81840	7.76	ng/ul	98

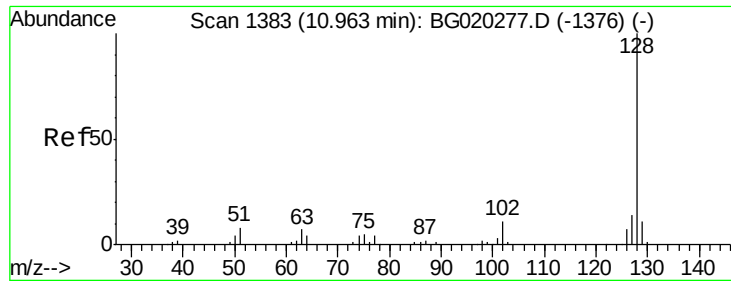
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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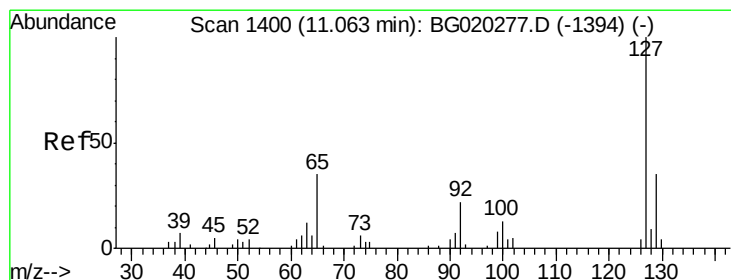
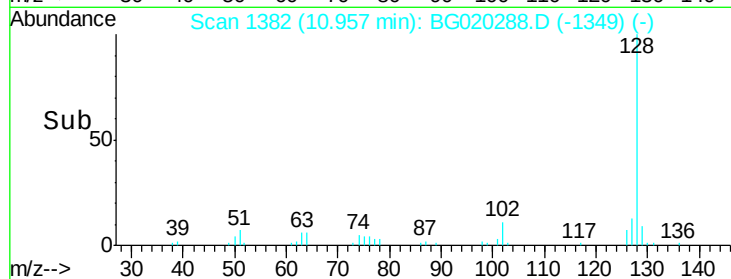
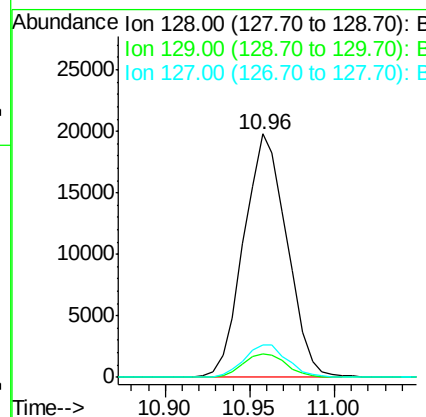
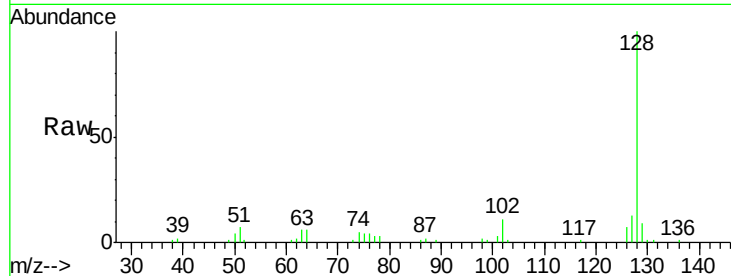




#28
Naphthalene
Concen: 9.32 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BG020288.D
Acq: 18 Dec 2015 23:28

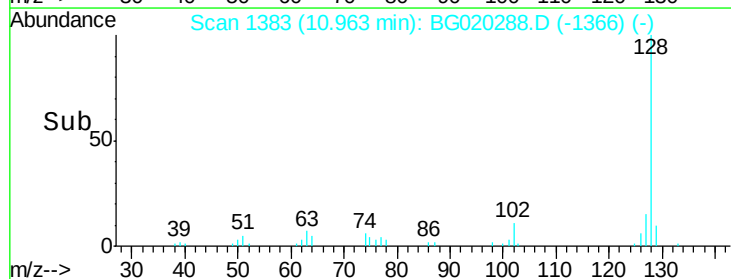
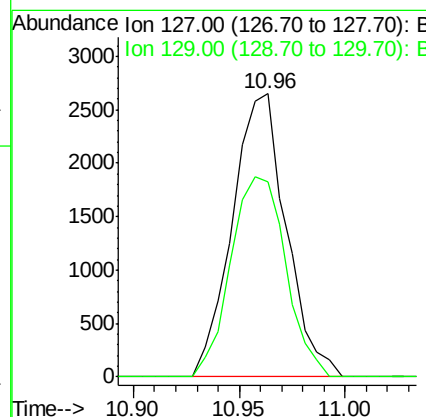
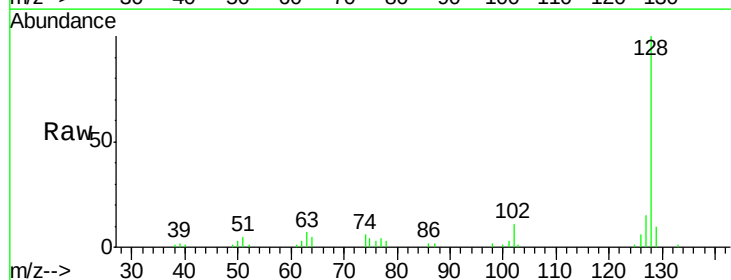
Instrument :
BNA_G
ClientSampled :
D9N33

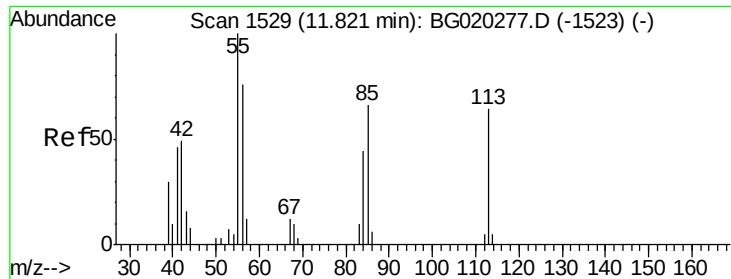
Tgt Ion:128 Resp: 35084
Ion Ratio Lower Upper
128 100
129 9.4 8.6 12.8
127 13.1 10.1 15.1



#30
4-Chloroaniline
Concen: 3.23 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.10 min
Lab File: BG020288.D
Acq: 18 Dec 2015 23:28

Tgt Ion:127 Resp: 4686
Ion Ratio Lower Upper
127 100
129 68.9 25.7 38.5#





#32

Caprolactam

Concen: 5.43 ng/ul

RT: 11.72 min Scan# 1512

Delta R.T. -0.10 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

Instrument :

BNA_G

ClientSampleId :

D9N33

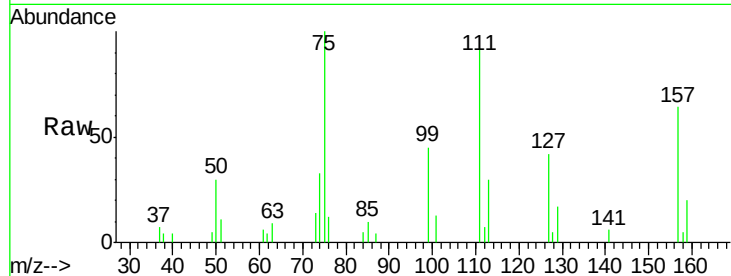
Tgt Ion:113 Resp: 2495

Ion Ratio Lower Upper

113 100

55 0.0 132.1 198.1#

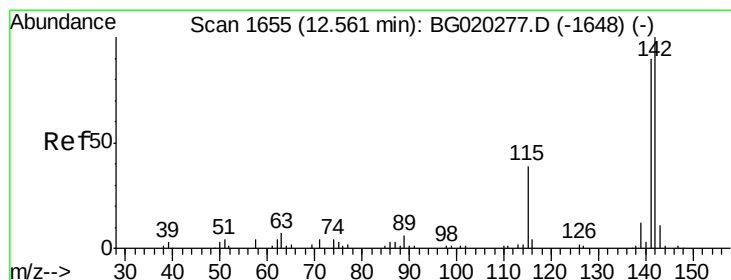
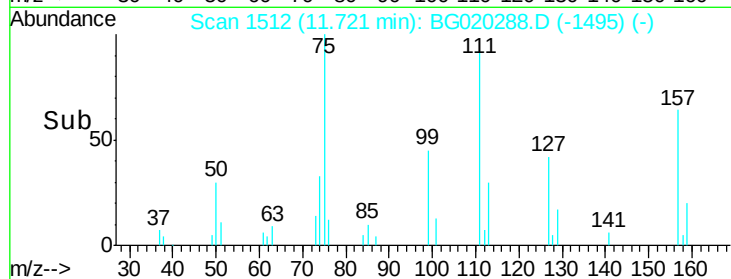
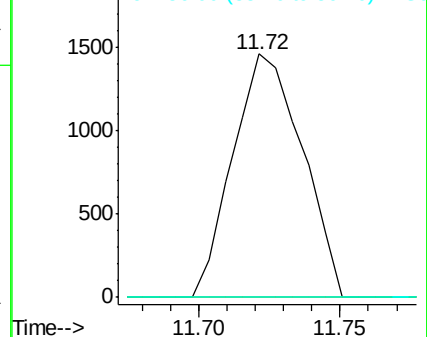
56 0.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#34

2-Methylnaphthalene

Concen: 10.93 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BG020288.D

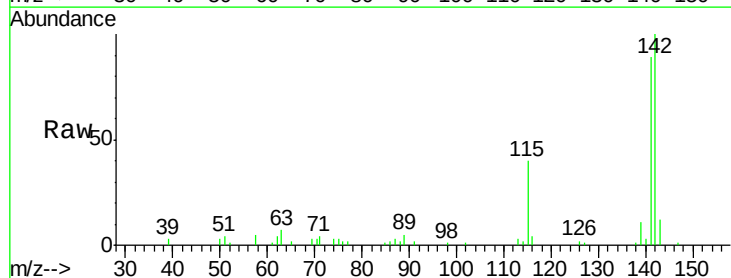
Acq: 18 Dec 2015 23:28

Tgt Ion:142 Resp: 31438

Ion Ratio Lower Upper

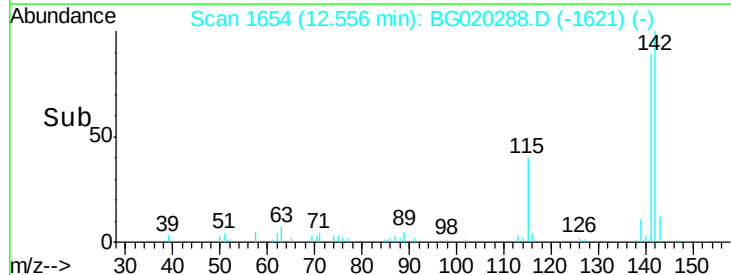
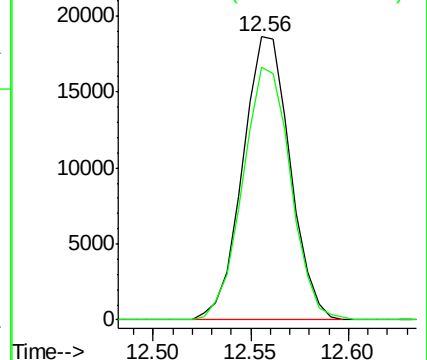
142 100

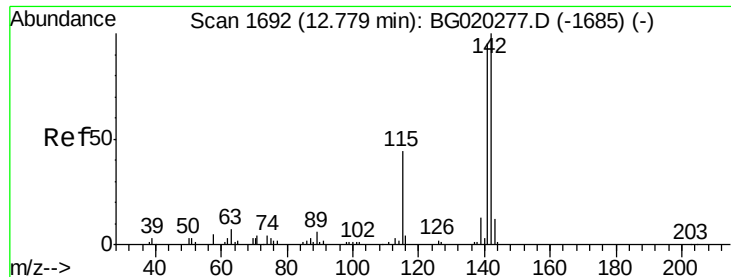
141 89.3 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

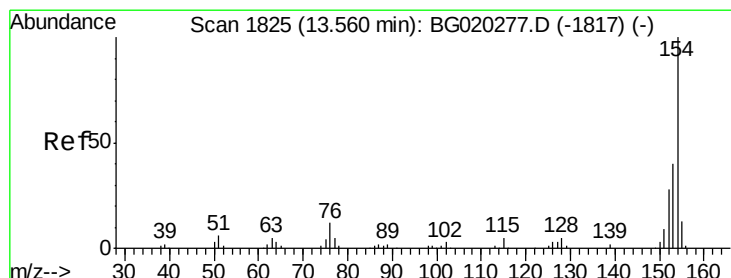
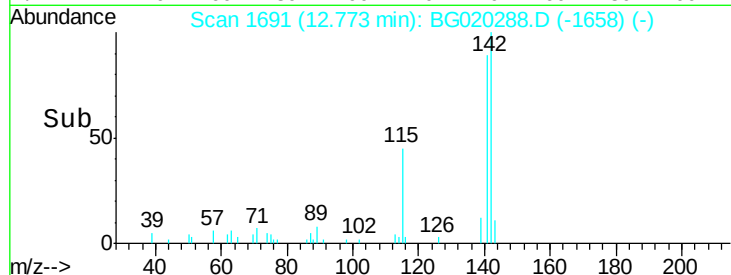
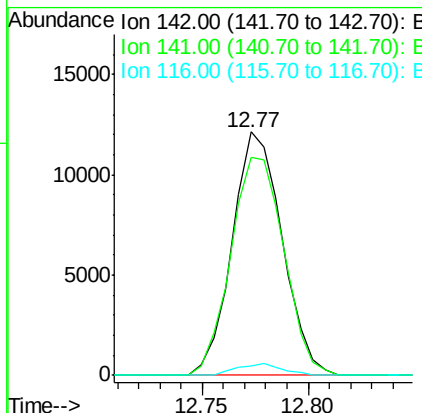
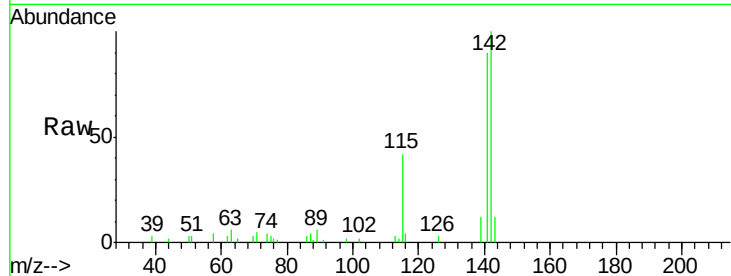




#35
 1-Methylnaphthalene
 Concen: 7.19 ng/ul
 RT: 12.77 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BG020288.D
 Acq: 18 Dec 2015 23:28

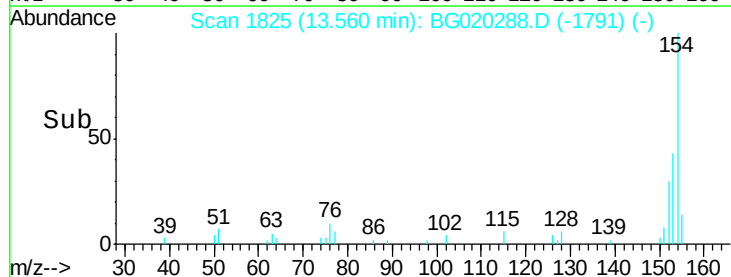
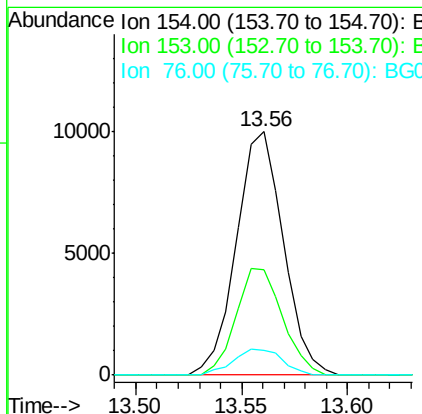
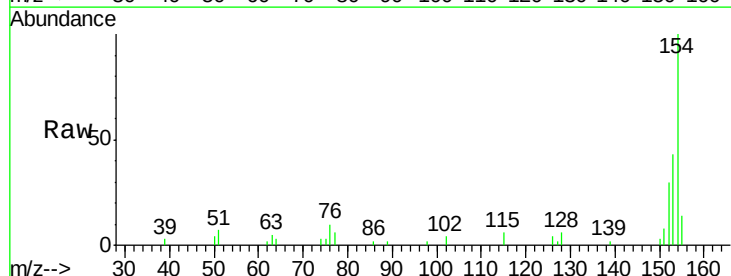
Instrument :
 BNA_G
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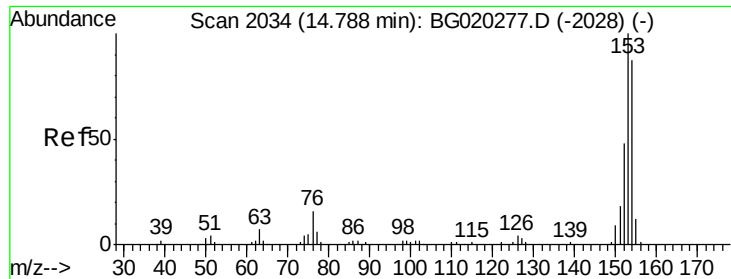
Tgt Ion:142 Resp: 19885
 Ion Ratio Lower Upper
 142 100
 141 89.5 73.0 109.6
 116 3.8 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 3.98 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020288.D
 Acq: 18 Dec 2015 23:28

Tgt Ion:154 Resp: 15385
 Ion Ratio Lower Upper
 154 100
 153 43.2 35.5 53.3
 76 9.9 10.4 15.6#





#50

Acenaphthene

Concen: 25.28 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

Instrument :

BNA_G

ClientSampleId :

D9N33

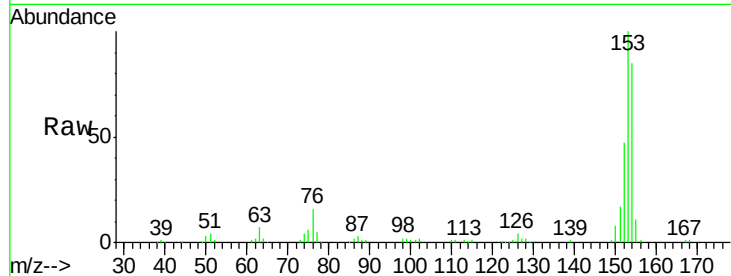
Tgt Ion:153 Resp: 87240

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

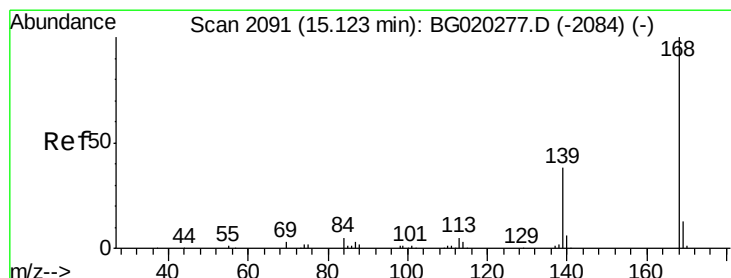
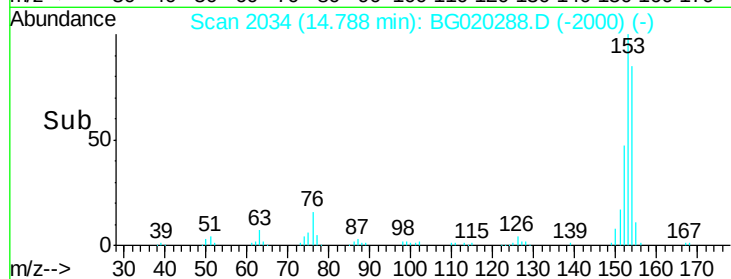
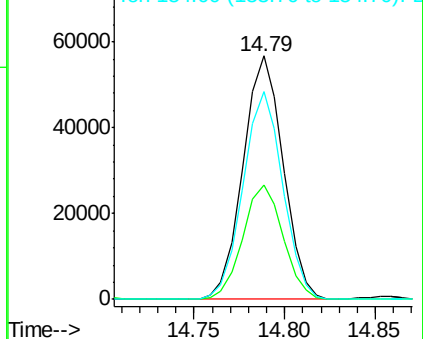
154 85.3 67.9 101.9



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: 14.24 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG020288.D

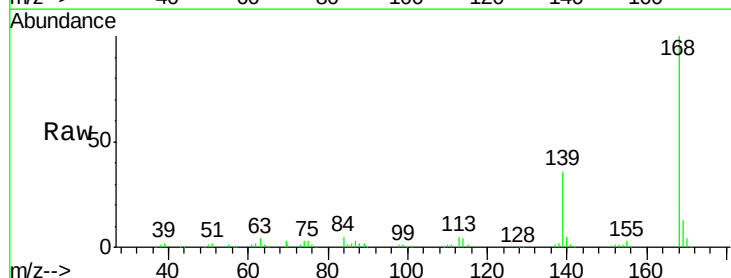
Acq: 18 Dec 2015 23:28

Tgt Ion:168 Resp: 73102

Ion Ratio Lower Upper

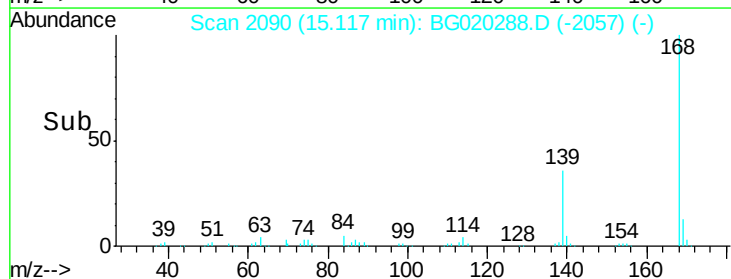
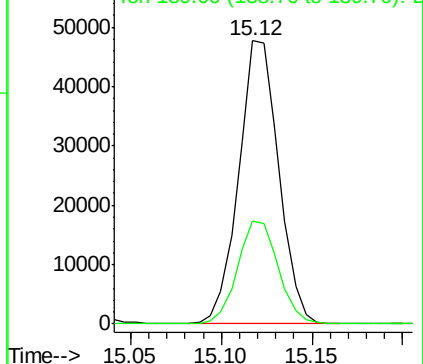
168 100

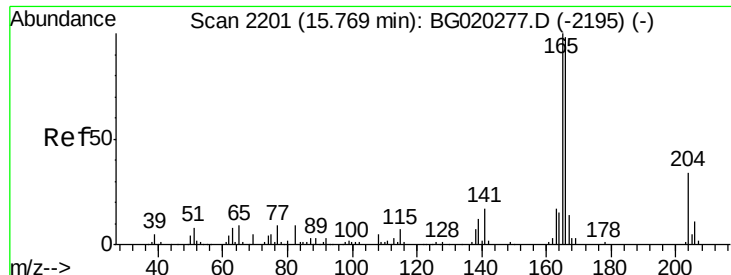
139 36.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 21.71 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

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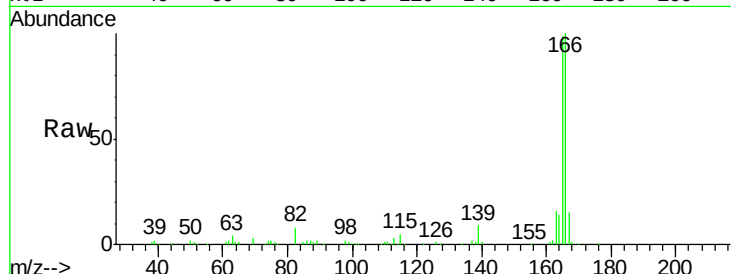
Tgt Ion:166 Resp: 89505

Ion Ratio Lower Upper

166 100

165 98.9 81.4 122.0

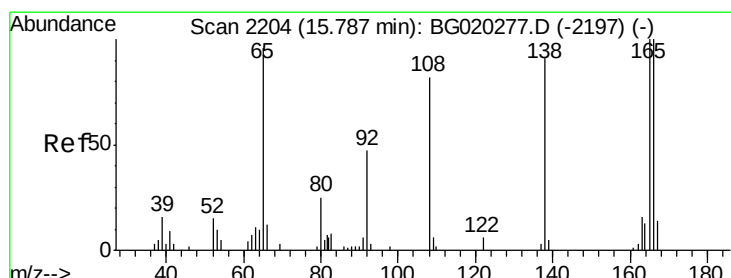
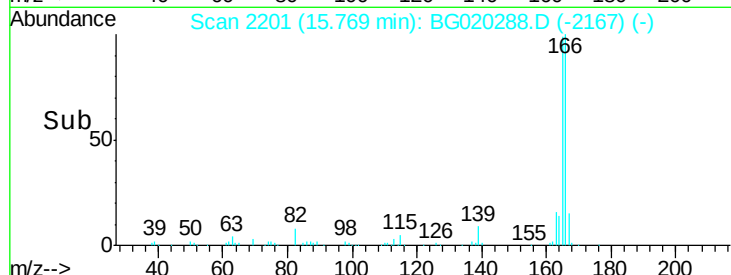
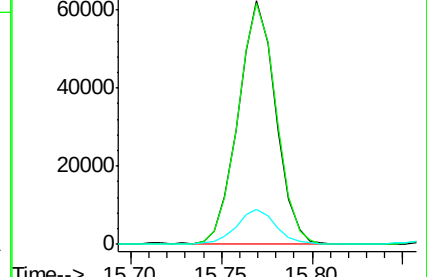
167 14.5 11.2 16.8



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: 1.07 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

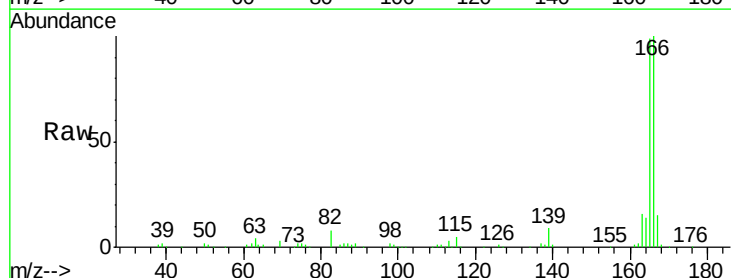
Tgt Ion:138 Resp: 985

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

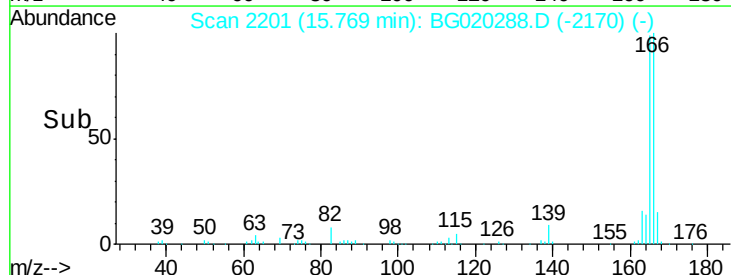
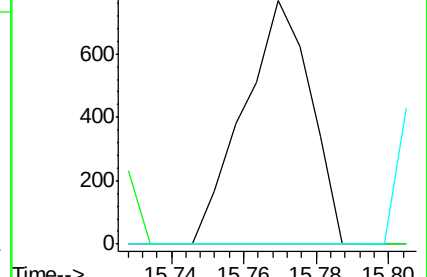
108 0.0 75.4 113.0#

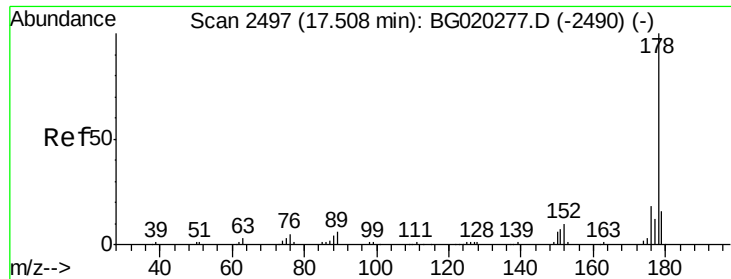


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 45.34 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BG020288.D

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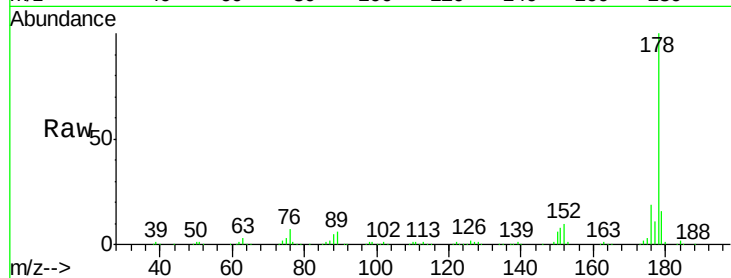
Tgt Ion:178 Resp: 323999

Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

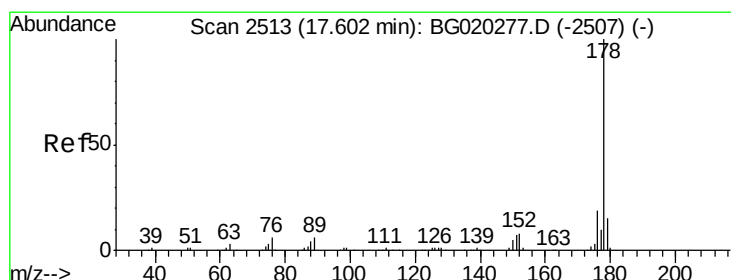
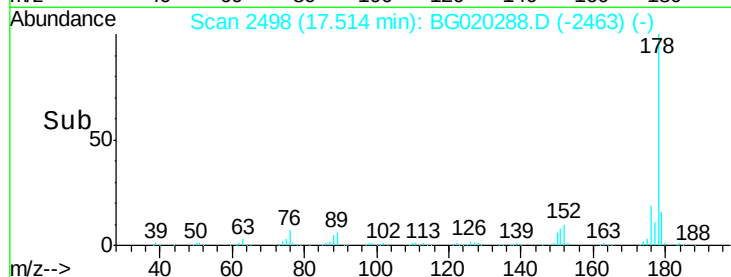
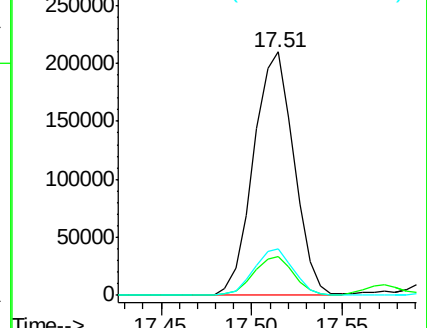
176 19.3 15.3 22.9



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: 3.33 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

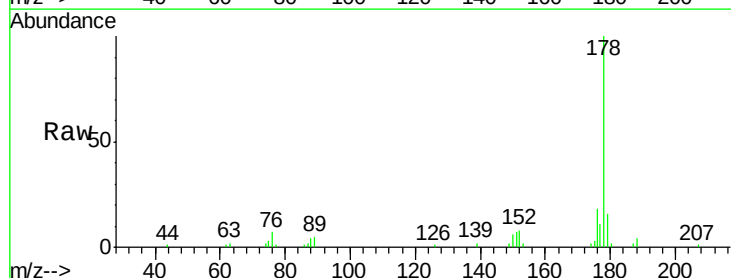
Tgt Ion:178 Resp: 24131

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

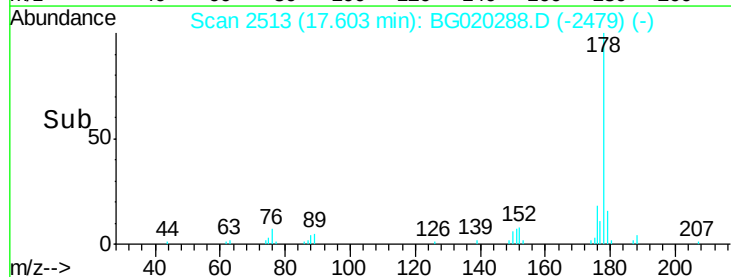
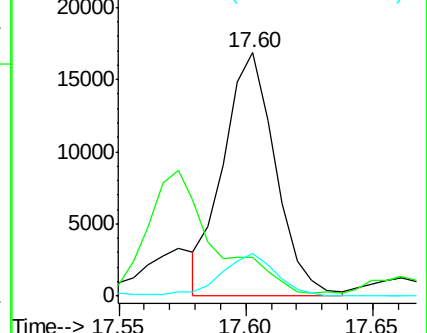
176 17.6 14.3 21.5

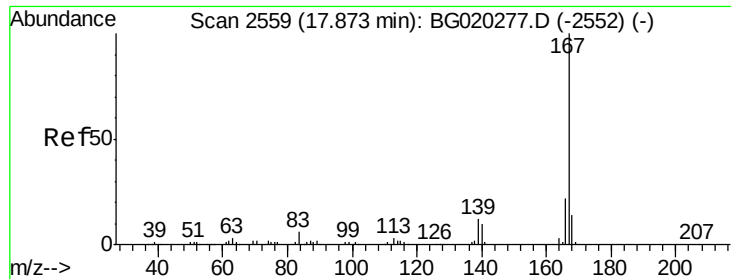


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.14 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

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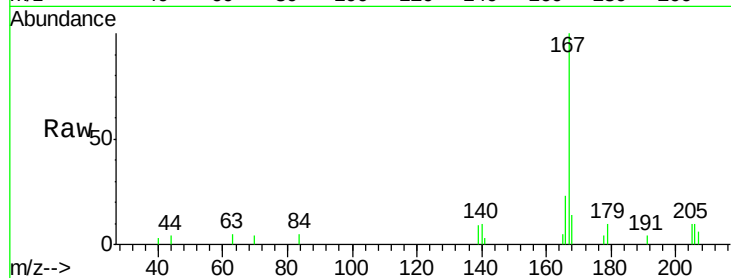
Tgt Ion:167 Resp: 6968

Ion Ratio Lower Upper

167 100

166 23.4 17.0 25.6

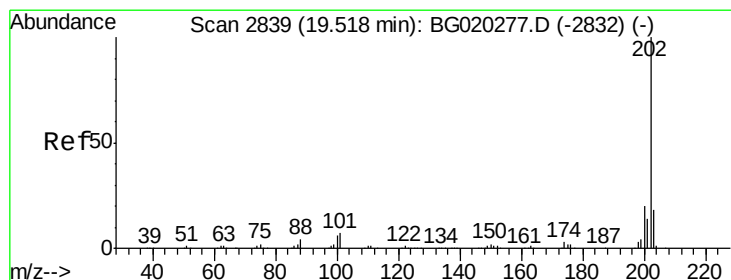
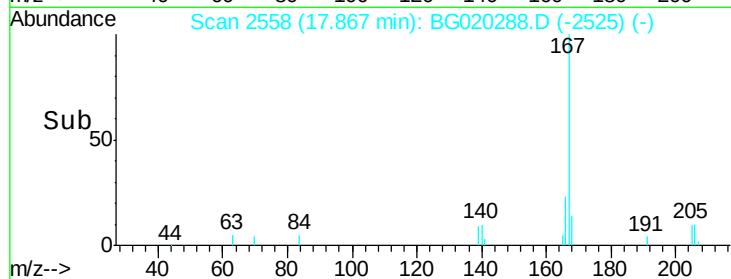
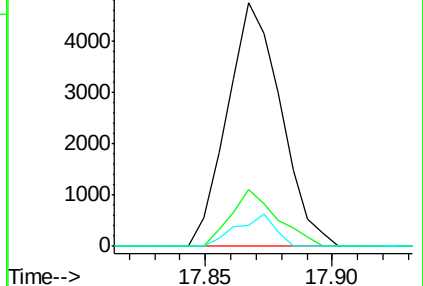
139 8.8 10.1 15.1#



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: 16.31 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020288.D

Acq: 18 Dec 2015 23:28

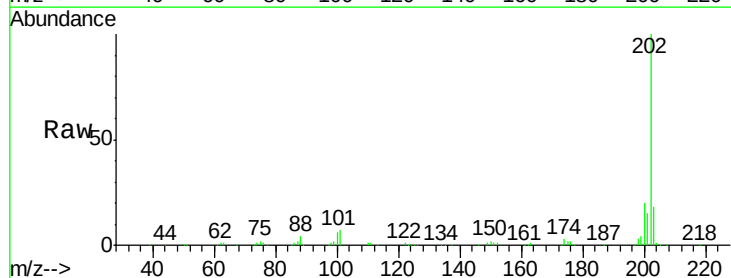
Tgt Ion:202 Resp: 136211

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.4

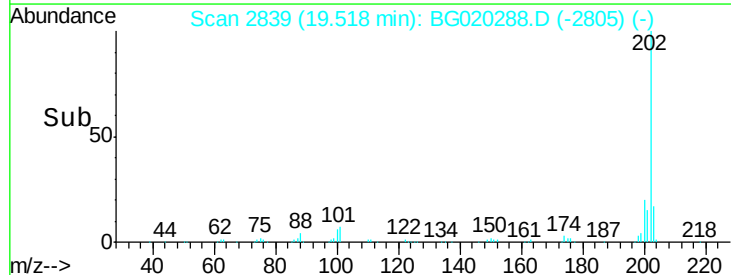
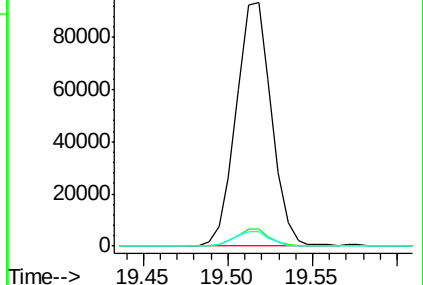
100 6.0 5.1 7.7

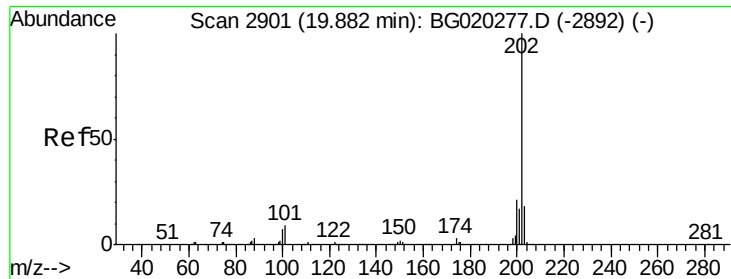


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

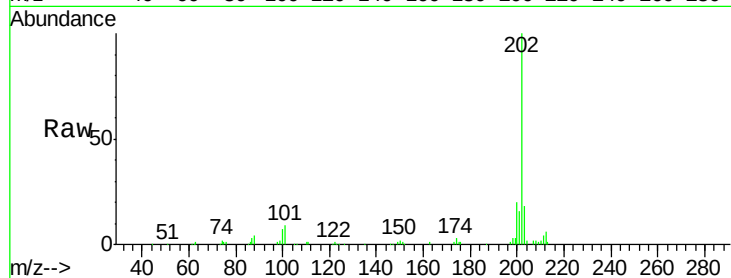




#80
 Pyrene
 Concen: 7.76 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG020288.D
 Acq: 18 Dec 2015 23:28

Instrument :
 BNA_G
 ClientSampleId :
 D9N33

Tgt Ion:	202	Resp:	81840
Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
100	7.2	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

