

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020285.D
 Acq On : 18 Dec 2015 21:31
 Operator : UM/SJ
 Sample : G4768-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N30

Quant Time: Dec 19 00:50:53 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	16723	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	72485	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	53686	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	140271	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	180742	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	167862	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	378	1.25	ng/uL	0.00
5) Phenol-d5	7.24	99	9767	6.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	27041	30.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	29128	27.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	19010	15.07	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	19071	33.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	22604	35.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	39123	30.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1515	1.06	ng/ul	-0.02
44) Dimethylphthalate-d6	14.12	166	155464	35.80	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	173466	34.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4640	5.96	ng/ul	0.00
58) Fluorene-d10	15.72	176	138069	35.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	25458	30.62	ng/ul	0.00
71) Anthracene-d10	17.57	188	221064	34.20	ng/ul	0.00
79) Pyrene-d10	19.85	212	271092	32.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	296989	35.47	ng/ul	0.00

Target Compounds

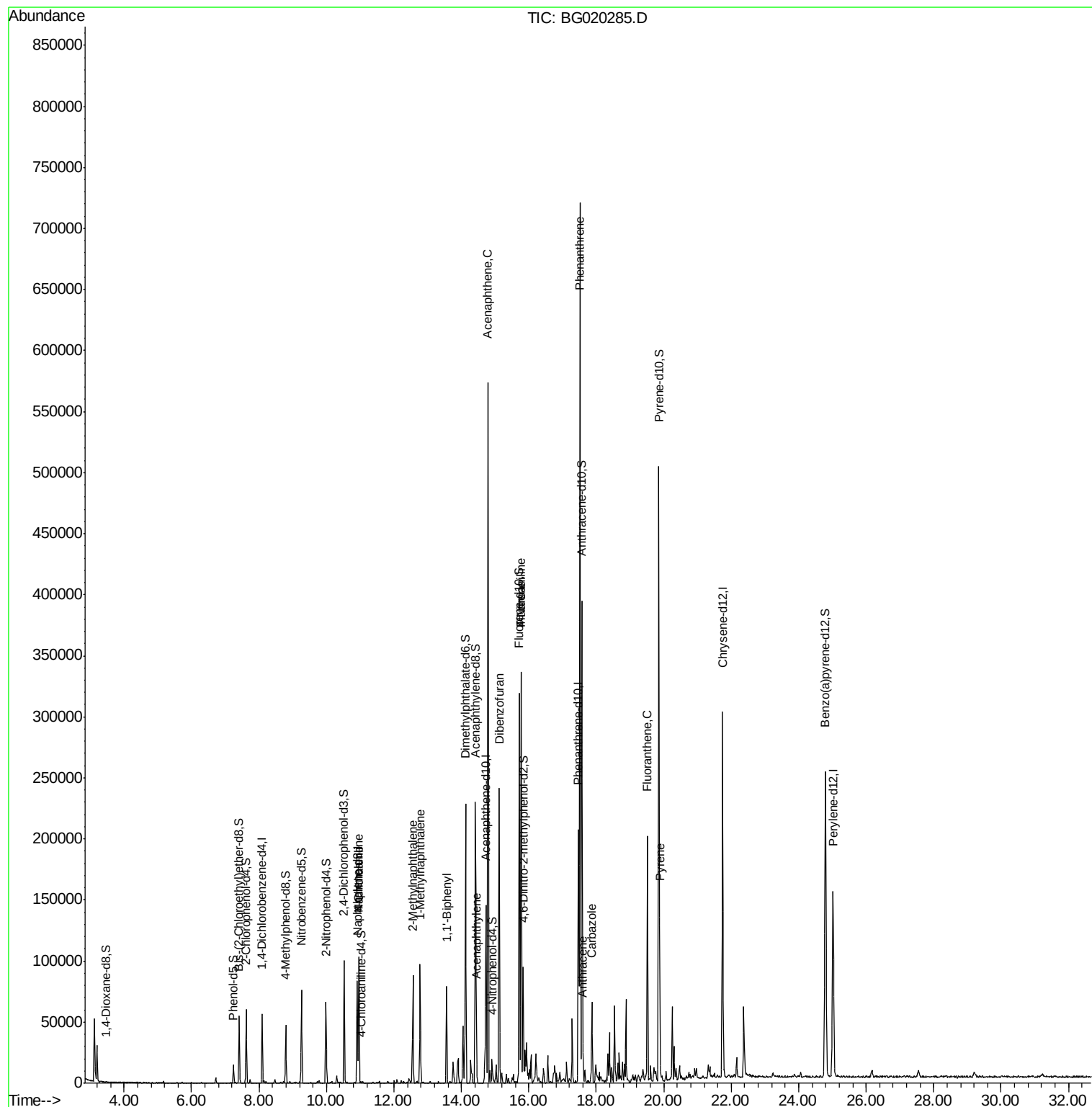
						Qvalue
28) Naphthalene	10.96	128	89252	23.58	ng/ul	100
30) 4-Chloroaniline	10.96	127	11740	8.04	ng/ul#	17
34) 2-Methylnaphthalene	12.56	142	44062	15.24	ng/ul	93
35) 1-Methylnaphthalene	12.78	142	46348	16.67	ng/ul	94
41) 1,1'-Biphenyl	13.56	154	42994	10.62	ng/ul	92
48) Acenaphthylene	14.45	152	15535	2.89	ng/ul	98
50) Acenaphthene	14.79	153	252265	69.85	ng/ul	100
54) Dibenzofuran	15.12	168	165398	30.79	ng/ul	99
59) Fluorene	15.77	166	160073	37.10	ng/ul	99
61) 4-Nitroaniline	15.77	138	1895	1.97	ng/ul#	10
70) Phenanthrene	17.51	178	459381	59.87	ng/ul	99
72) Anthracene	17.60	178	21317	2.74	ng/ul	94
75) Carbazole	17.87	167	42708	6.53	ng/ul	99
77) Fluoranthene	19.52	202	133325	14.87	ng/ul	96
80) Pyrene	19.88	202	78449	7.17	ng/ul	97

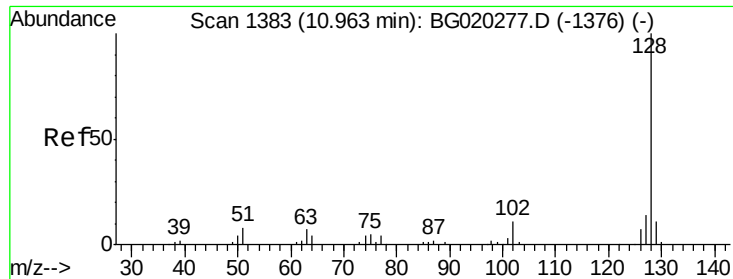
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 23.58 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG020285.D

Acq: 18 Dec 2015 21:31

Instrument :

BNA_G

ClientSampleId :

D9N30

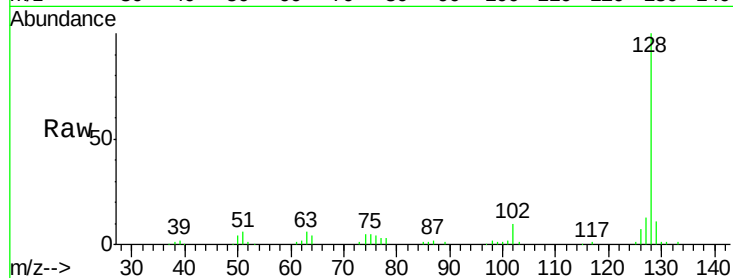
Tgt Ion:128 Resp: 89252

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

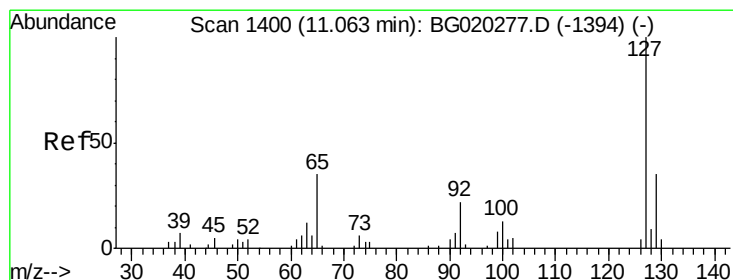
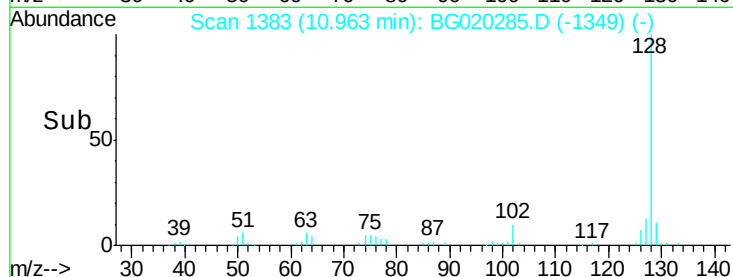
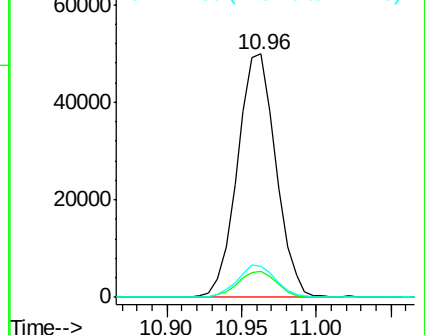
127 12.6 10.1 15.1



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: 8.04 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.11 min

Lab File: BG020285.D

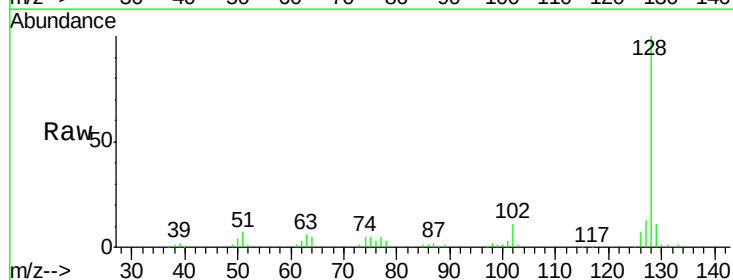
Acq: 18 Dec 2015 21:31

Tgt Ion:127 Resp: 11740

Ion Ratio Lower Upper

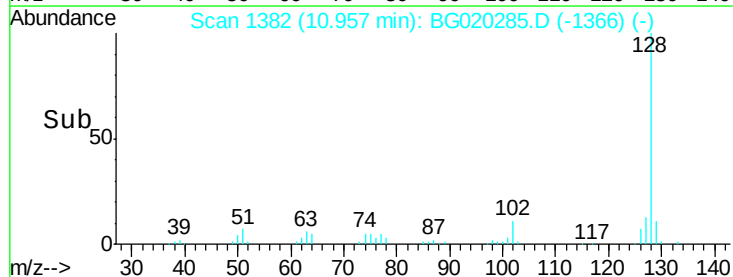
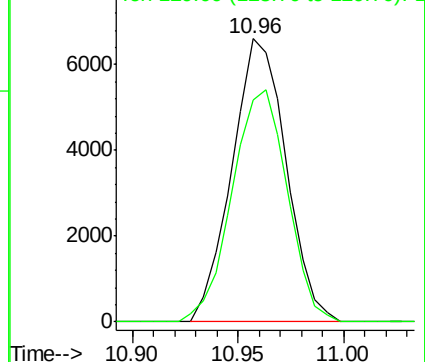
127 100

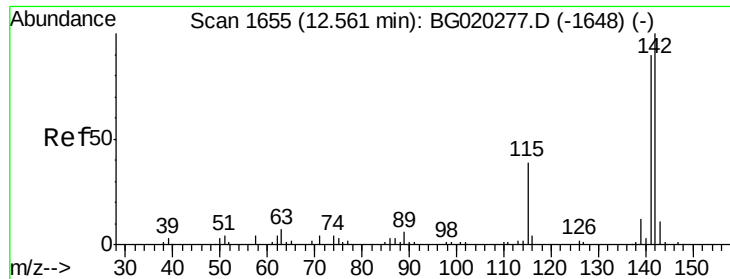
129 78.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

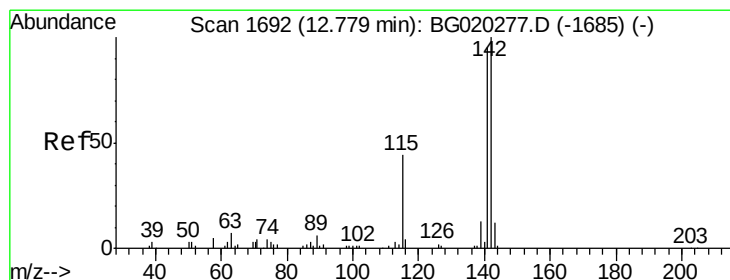
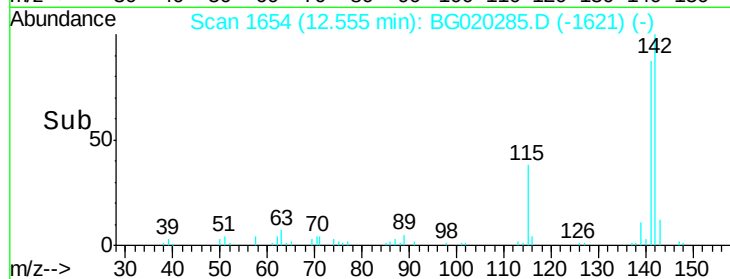
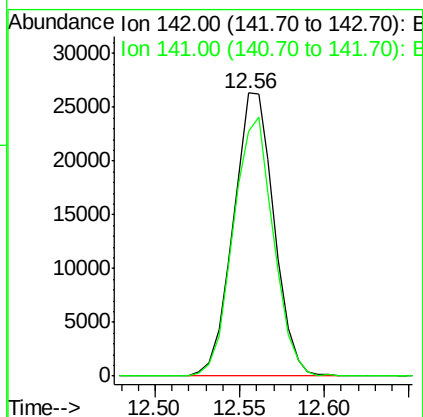
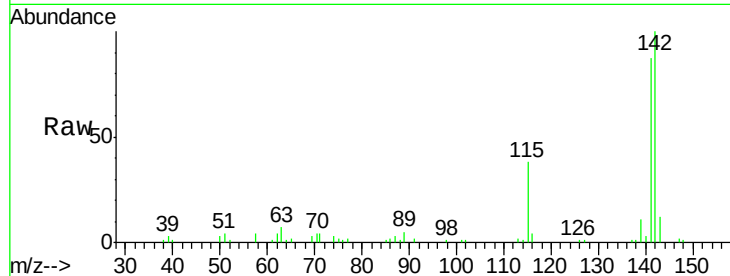




#34
 2-Methylnaphthalene
 Concen: 15.24 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BG020285.D
 Acq: 18 Dec 2015 21:31

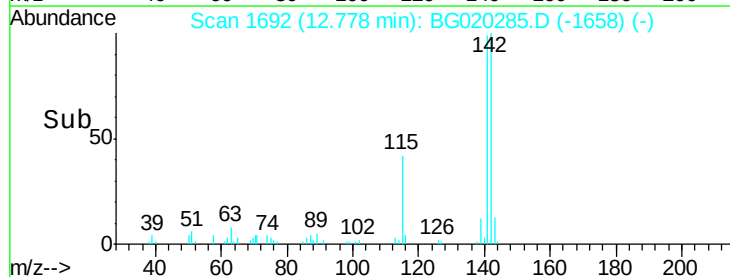
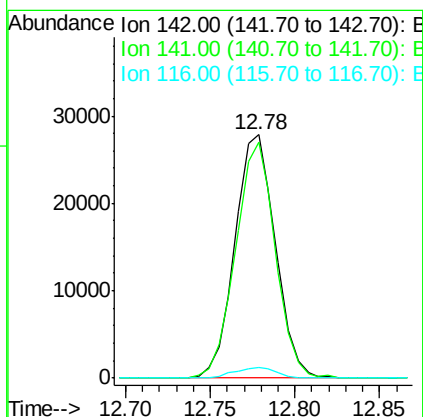
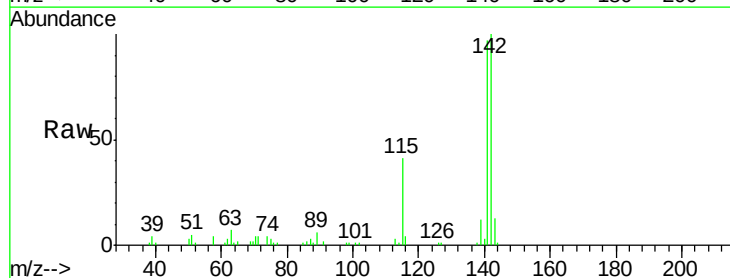
Instrument :
 BNA_G
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 D9N30

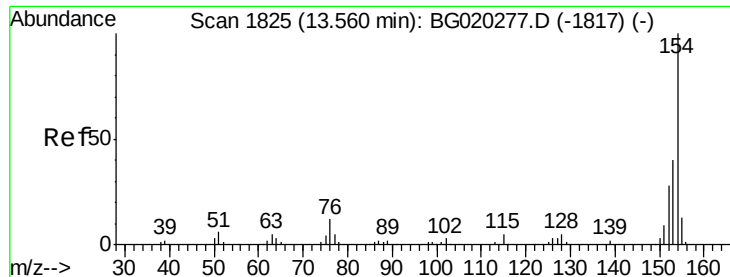
Tgt Ion:142 Resp: 44062
 Ion Ratio Lower Upper
 142 100
 141 86.6 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 16.67 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG020285.D
 Acq: 18 Dec 2015 21:31

Tgt Ion:142 Resp: 46348
 Ion Ratio Lower Upper
 142 100
 141 97.1 73.0 109.6
 116 4.3 3.0 4.6

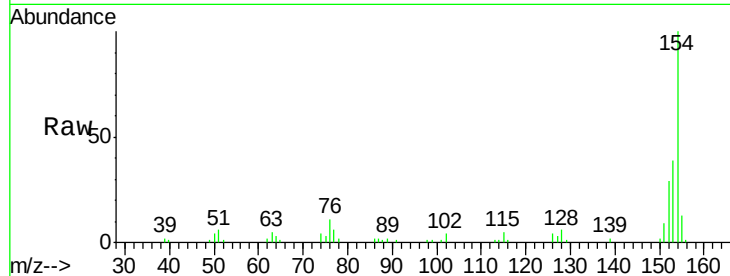




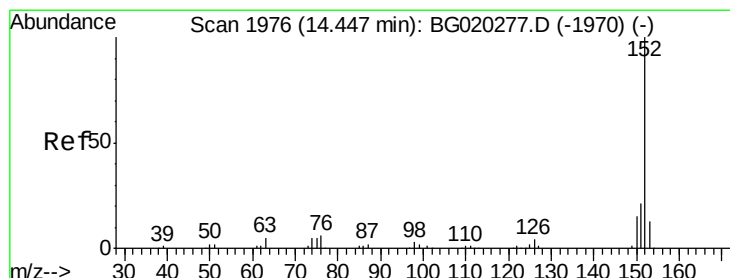
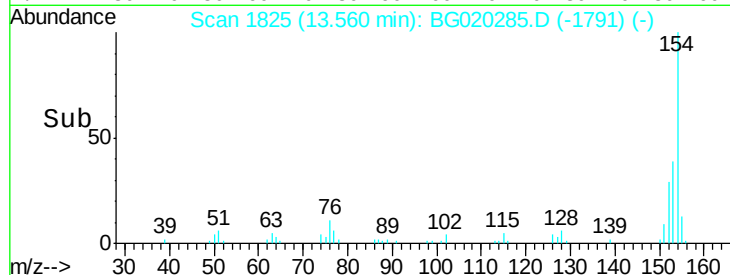
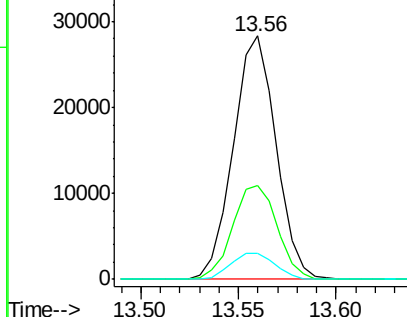
#41
 1,1'-Biphenyl
 Concen: 10.62 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020285.D
 Acq: 18 Dec 2015 21:31

Instrument :
 BNA_G
 ClientSampleId :
 D9N30

Tgt Ion:154 Resp: 42994
 Ion Ratio Lower Upper
 154 100
 153 38.8 35.5 53.3
 76 10.7 10.4 15.6

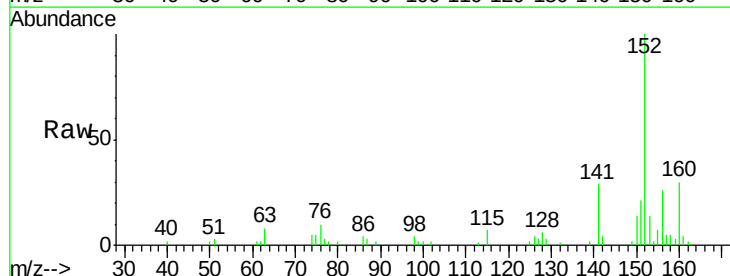


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

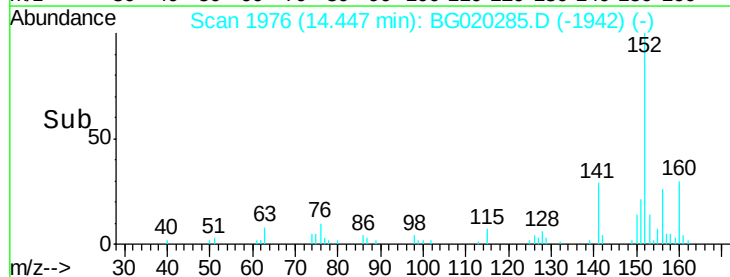
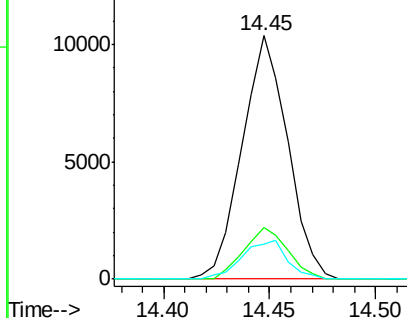


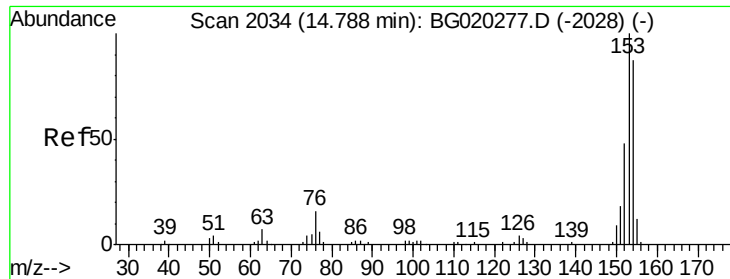
#48
 Acenaphthylene
 Concen: 2.89 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG020285.D
 Acq: 18 Dec 2015 21:31

Tgt Ion:152 Resp: 15535
 Ion Ratio Lower Upper
 152 100
 151 21.2 16.4 24.6
 153 14.4 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: 69.85 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BG020285.D

Acq: 18 Dec 2015 21:31

Instrument :

BNA_G

ClientSampleId :

D9N30

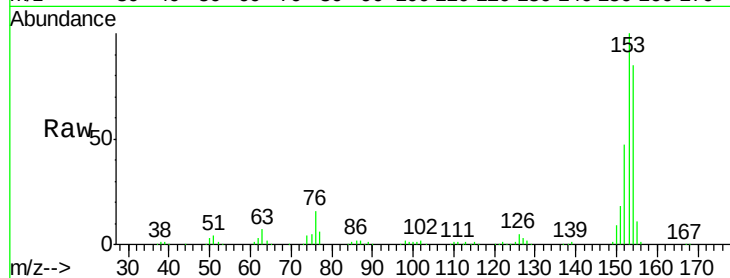
Tgt Ion:153 Resp: 252265

Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

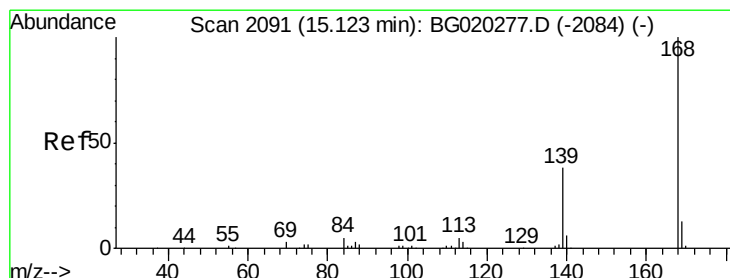
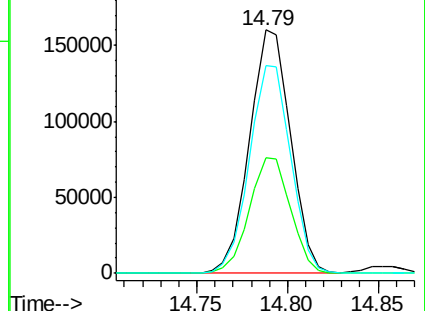
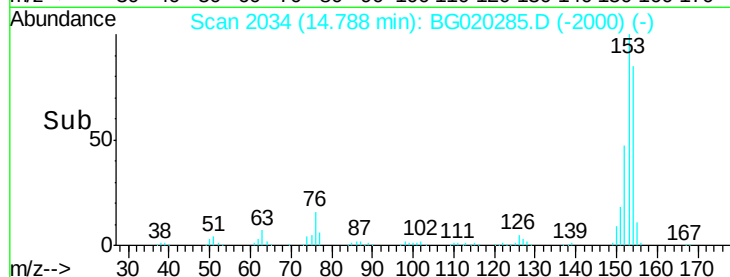
154 85.1 67.9 101.9



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: 30.79 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020285.D

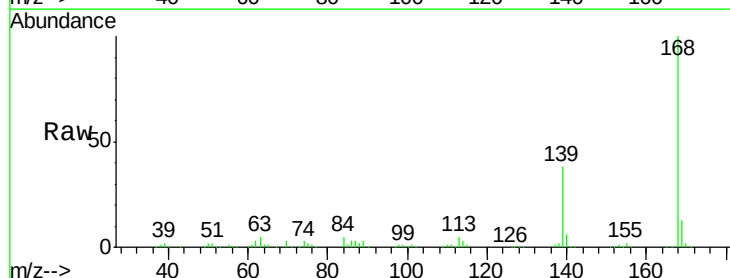
Acq: 18 Dec 2015 21:31

Tgt Ion:168 Resp: 165398

Ion Ratio Lower Upper

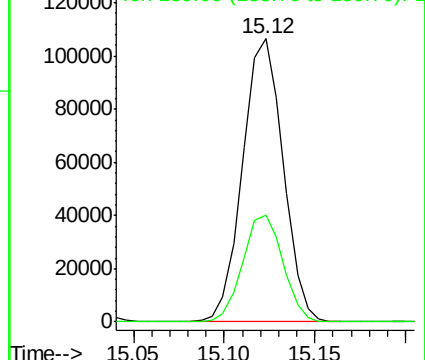
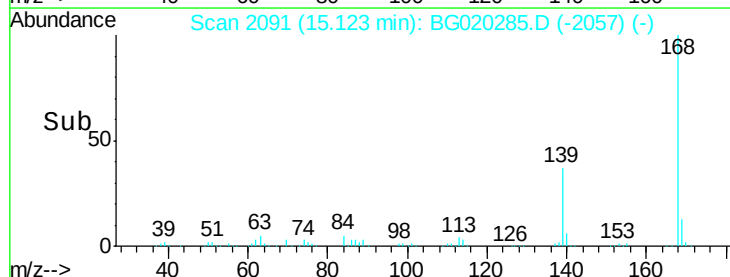
168 100

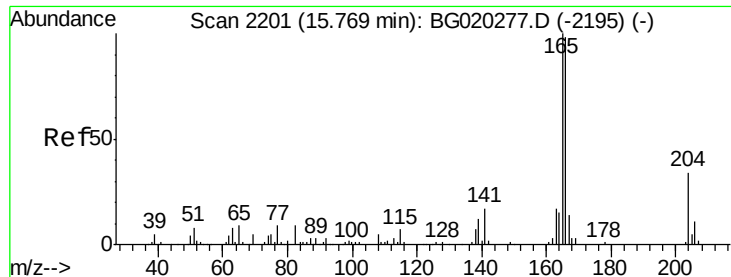
139 37.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 37.10 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.00 min

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Acq: 18 Dec 2015 21:31

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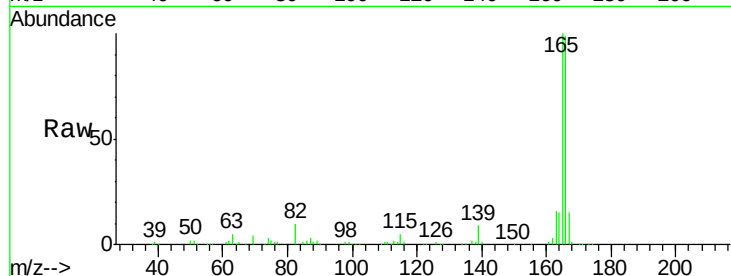
Tgt Ion:166 Resp: 160073

Ion Ratio Lower Upper

166 100

165 100.7 81.4 122.0

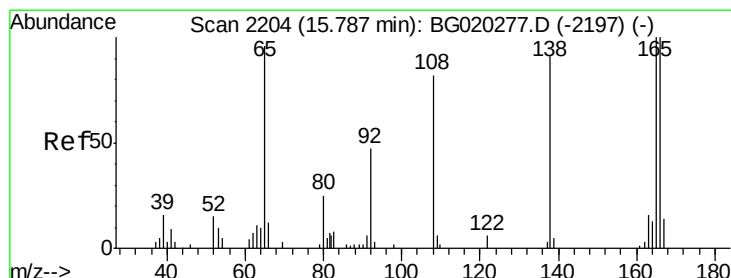
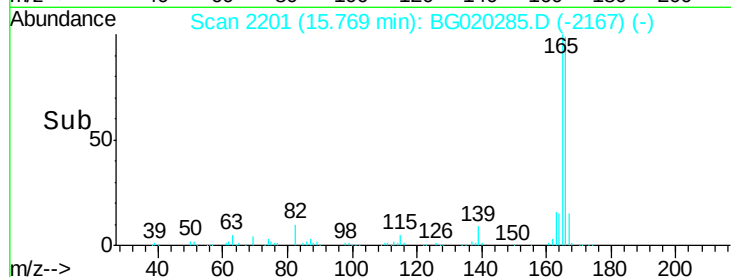
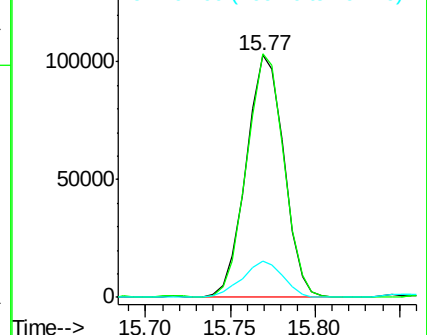
167 15.1 11.2 16.8



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: 1.97 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BG020285.D

Acq: 18 Dec 2015 21:31

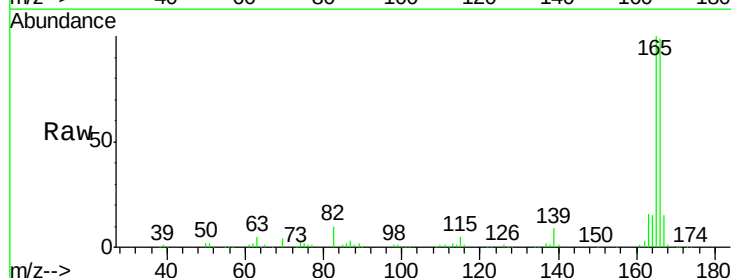
Tgt Ion:138 Resp: 1895

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

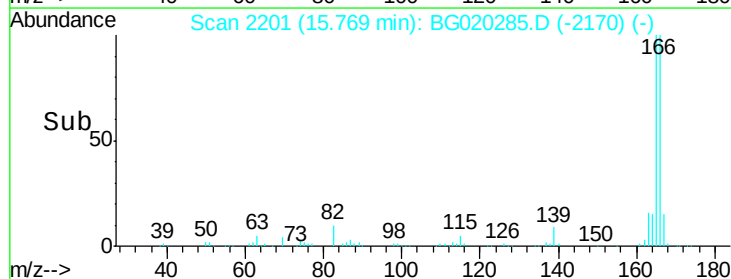
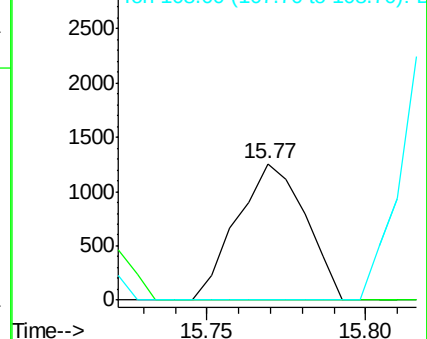
108 0.0 75.4 113.0#

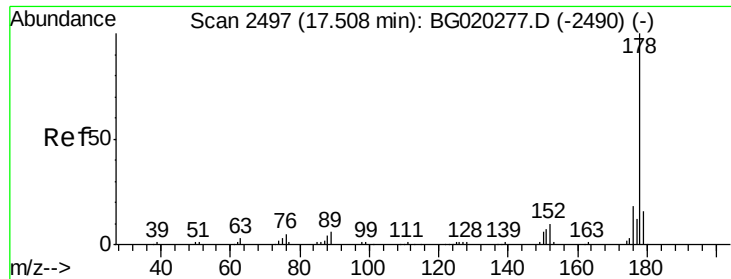


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 59.87 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. 0.01 min

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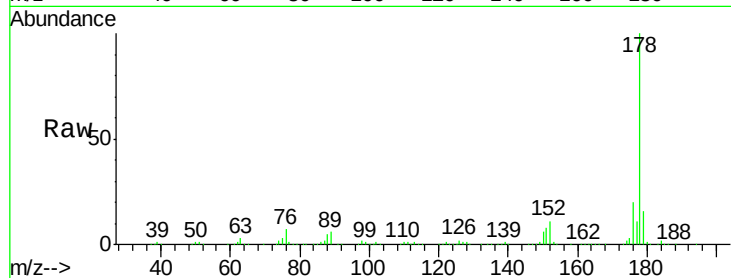
Tgt Ion:178 Resp: 459381

Ion Ratio Lower Upper

178 100

179 16.4 12.9 19.3

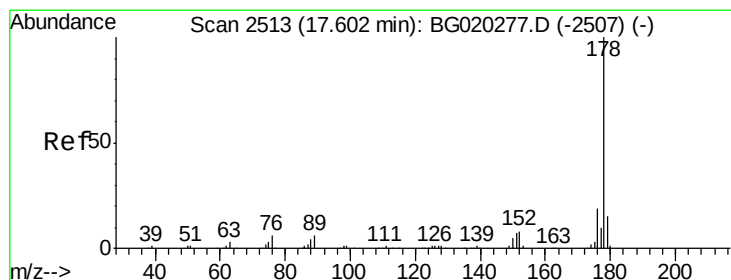
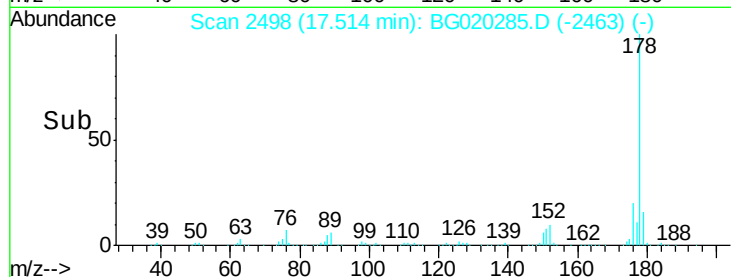
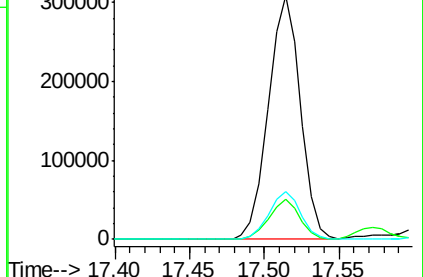
176 19.5 15.3 22.9



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: 2.74 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG020285.D

Acq: 18 Dec 2015 21:31

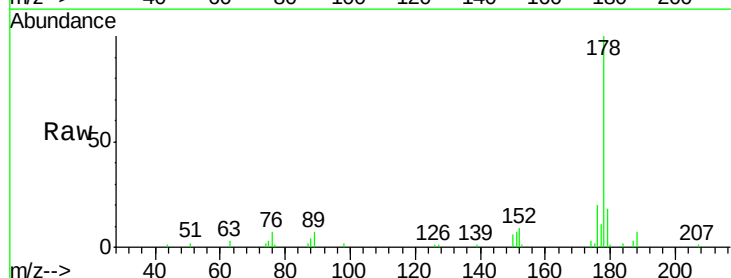
Tgt Ion:178 Resp: 21317

Ion Ratio Lower Upper

178 100

179 18.0 12.3 18.5

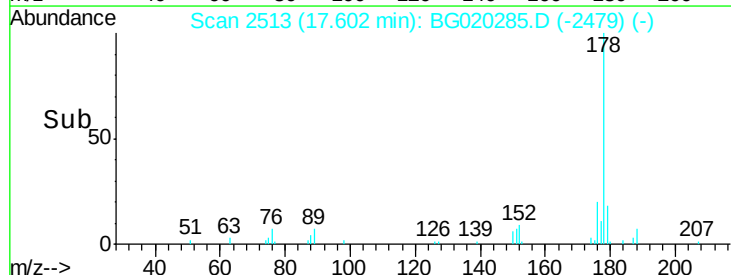
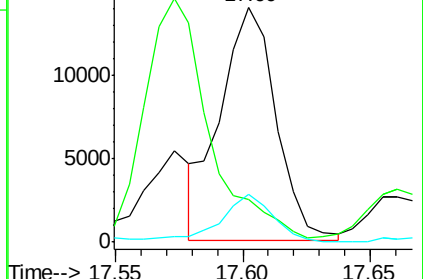
176 20.4 14.3 21.5

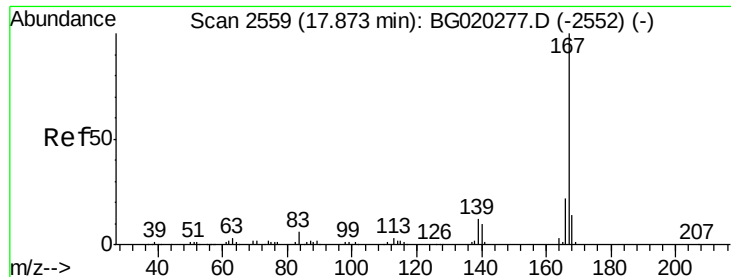


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 6.53 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.01 min

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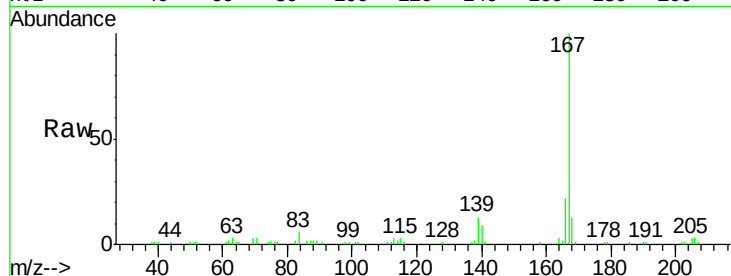
Tgt Ion:167 Resp: 42708

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

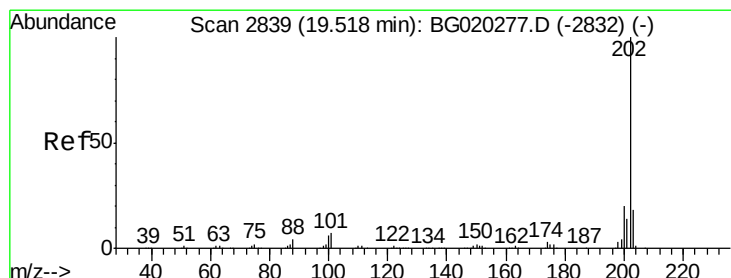
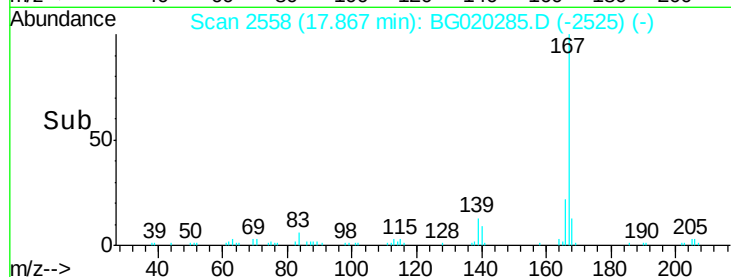
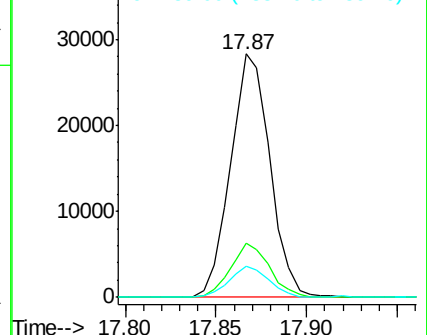
139 12.8 10.1 15.1



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: 14.87 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020285.D

Acq: 18 Dec 2015 21:31

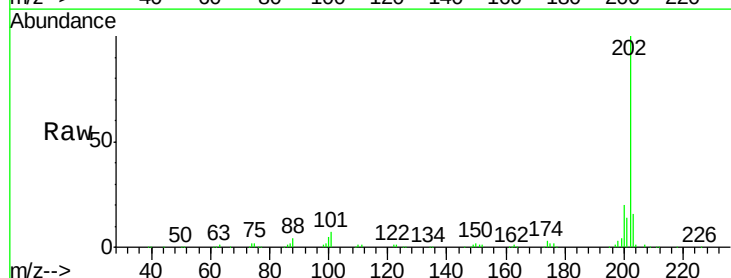
Tgt Ion:202 Resp: 133325

Ion Ratio Lower Upper

202 100

101 6.6 6.2 9.4

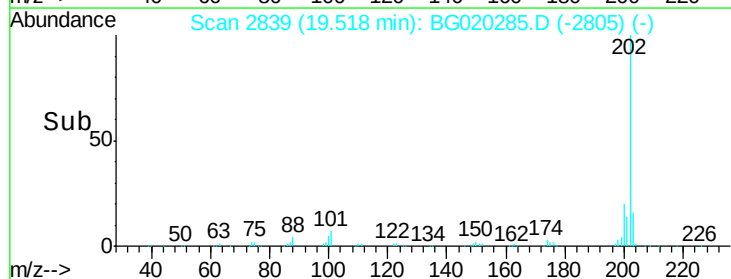
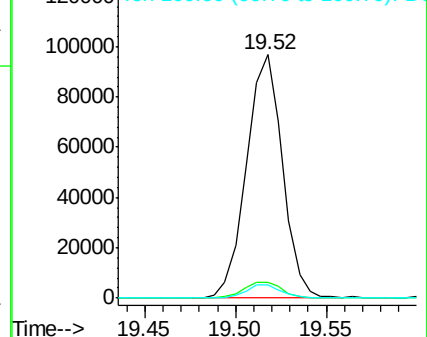
100 5.2 5.1 7.7

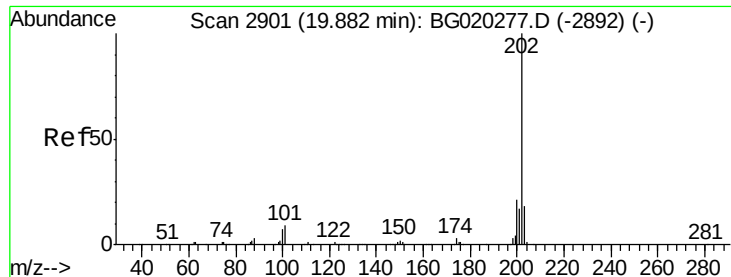


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80
 Pyrene
 Concen: 7.17 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: BG020285.D
 Acq: 18 Dec 2015 21:31

Instrument :
 BNA_G
 ClientSampleId :
 D9N30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	7.0	10.4
100	7.2	6.4	9.6

