

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020281.D
 Acq On : 18 Dec 2015 18:55
 Operator : UM/SJ
 Sample : G4768-02MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N27MS

Quant Time: Dec 21 10:02:38 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	14567	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	66400	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	50393	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	129553	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	165560	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	149029	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	294	1.11	ng/uL	0.00
5) Phenol-d5	7.25	99	7520	5.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	20412	26.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	21740	23.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	15375	14.00	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	14529	28.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	16458	28.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	29193	25.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1560	1.19	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	122070	29.95	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	133243	28.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4240	5.80	ng/ul	0.00
58) Fluorene-d10	15.71	176	108292	29.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	19194	24.99	ng/ul	0.00
71) Anthracene-d10	17.57	188	187600	31.43	ng/ul	0.00
79) Pyrene-d10	19.85	212	227561	29.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	167159	22.49	ng/ul	0.00

Target Compounds

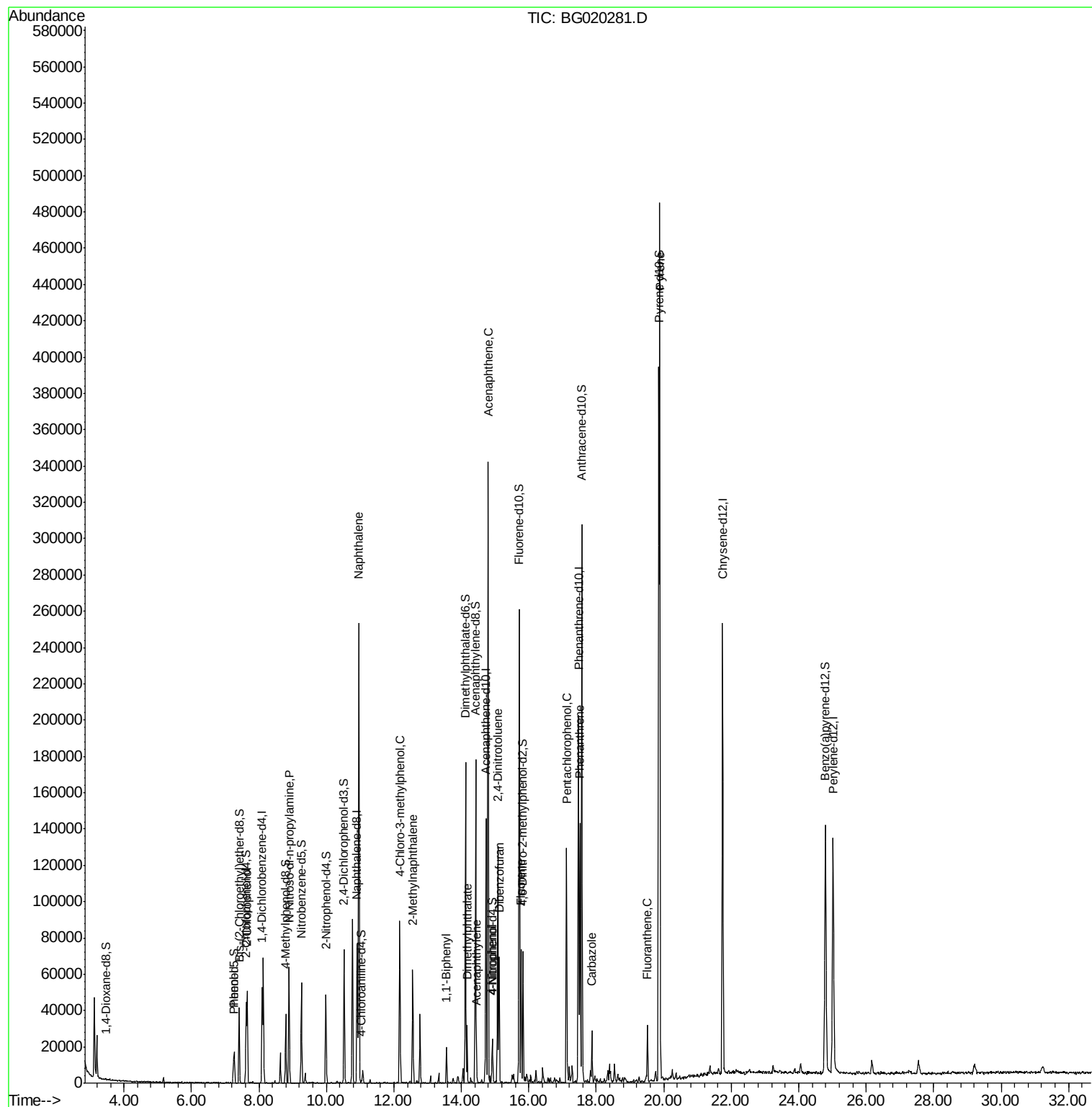
						Ovalue
6) Phenol	7.26	94	9974	7.25	ng/ul	98
10) 2-Chlorophenol	7.65	128	23097	23.61	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.89	70	25128	27.60	ng/ul	98
28) Naphthalene	10.96	128	213948	61.70	ng/ul	99
33) 4-Chloro-3-methylphenol	12.18	107	33121	23.26	ng/ul	92
34) 2-Methylnaphthalene	12.56	142	30065	11.35	ng/ul	100
41) 1,1'-Biphenyl	13.56	154	10986	2.89	ng/ul	97
45) Dimethylphthalate	14.17	163	21653	5.20	ng/ul	98
48) Acenaphthylene	14.45	152	7072	1.40	ng/ul	98
50) Acenaphthene	14.79	153	143016	42.19	ng/ul	99
53) 4-Nitrophenol	14.93	109	4264	6.06	ng/ul	93
54) Dibenzofuran	15.12	168	46012	9.12	ng/ul	100
55) 2,4-Dinitrotoluene	15.08	165	38760	30.66	ng/ul#	92
59) Fluorene	15.77	166	35138	8.68	ng/ul	99
69) Pentachlorophenol	17.12	266	26584	27.00	ng/ul	93
70) Phenanthrene	17.51	178	92527	13.06	ng/ul	100
75) Carbazole	17.87	167	20065	3.32	ng/ul	98
77) Fluoranthene	19.51	202	21442	2.59	ng/ul	98
80) Pyrene	19.88	202	302822	30.22	ng/ul	99

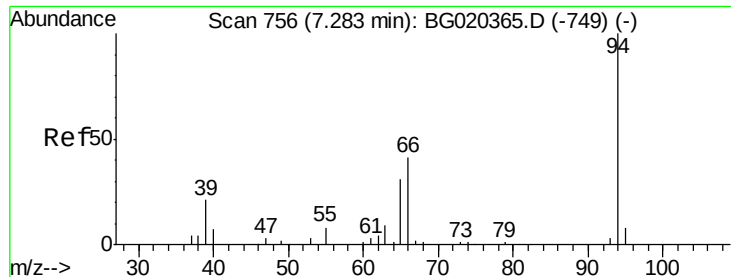
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 7.25 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

Instrument :

BNA_G

ClientSampleId :

D9N27MS

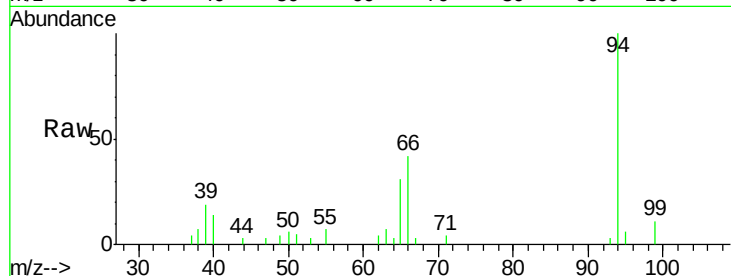
Tot Ion: 94 Resp: 9974

Ion Ratio Lower Upper

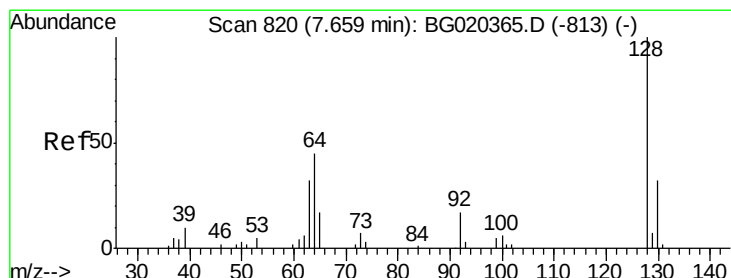
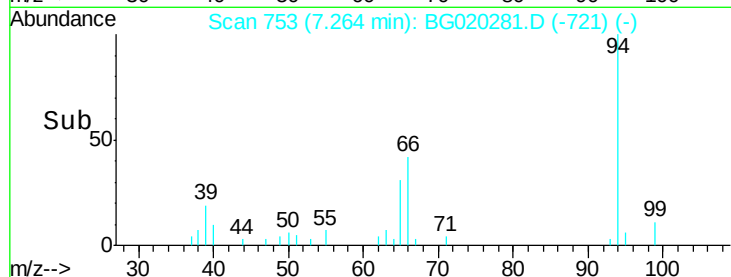
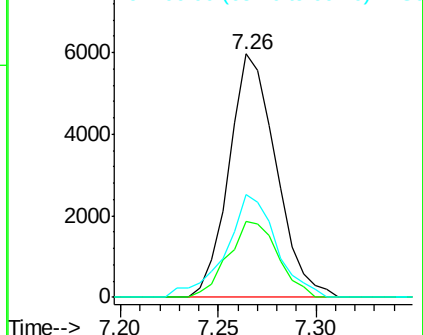
94 100

65 30.9 26.3 39.5

66 42.4 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 23.61 ng/ul

RT: 7.65 min Scan# 819

Delta R.T. -0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

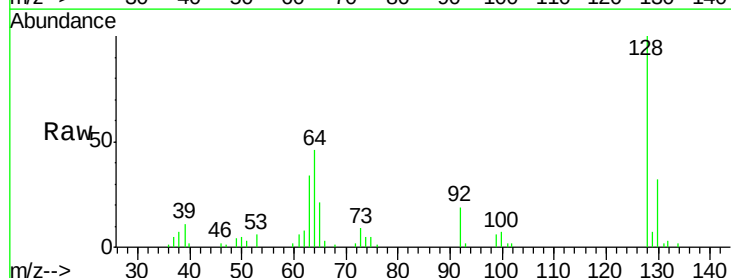
Tgt Ion: 128 Resp: 23097

Ion Ratio Lower Upper

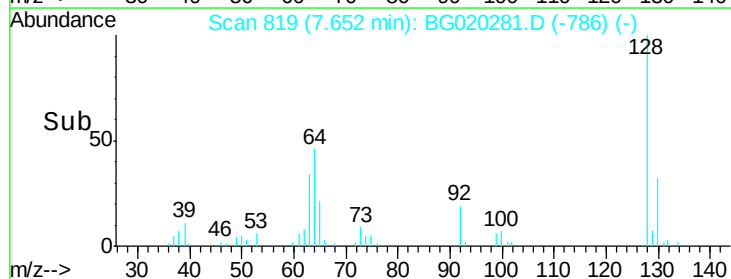
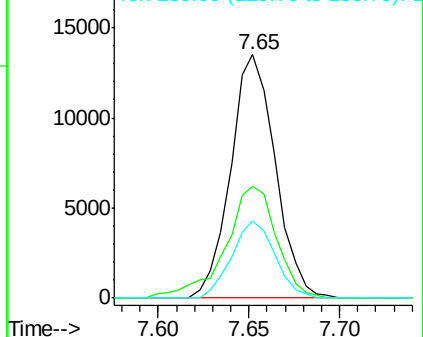
128 100

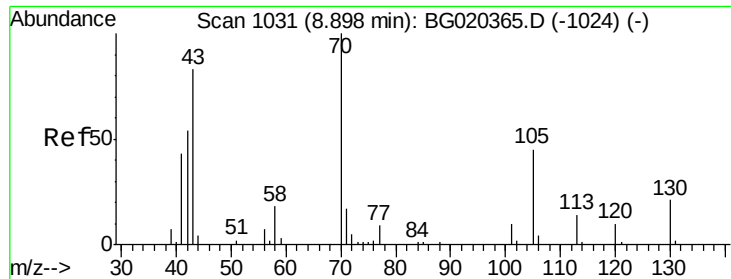
64 45.8 39.4 59.0

130 31.6 24.6 36.8



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 27.60 ng/ul

RT: 8.89 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

Instrument :

BNA_G

ClientSampleId :

D9N27MS

Tot Ion: 70 Resp: 25128

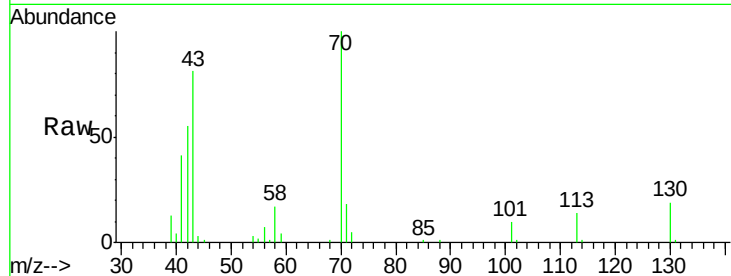
Ion Ratio Lower Upper

70 100

42 54.9 44.3 66.5

101 10.1 7.6 11.4

130 19.4 17.0 25.4



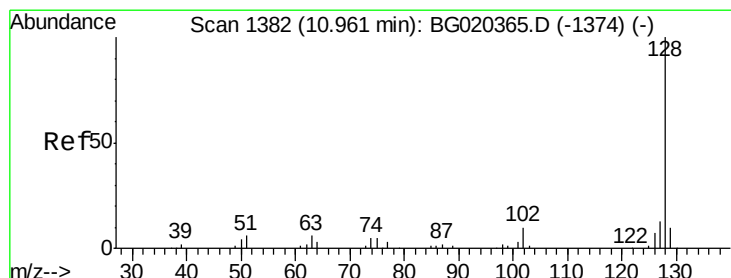
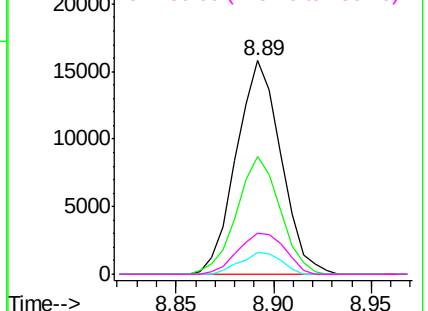
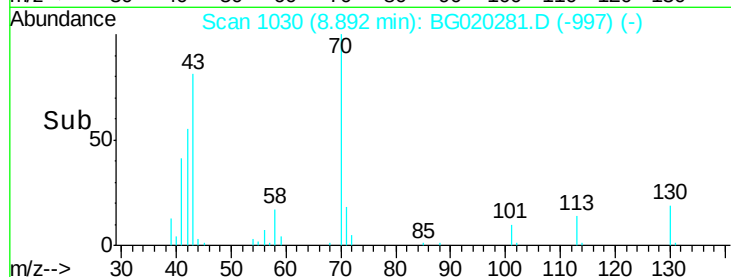
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#28

Naphthalene

Concen: 61.70 ng/ul

RT: 10.96 min Scan# 1382

Delta R.T. -0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

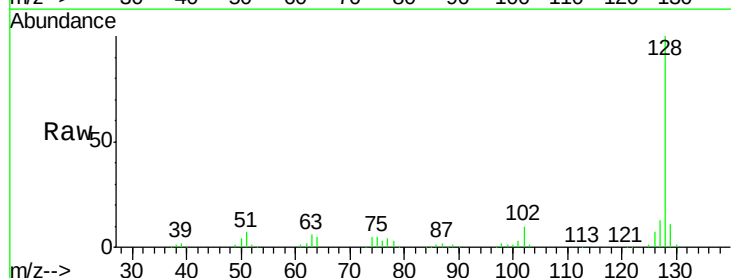
Tgt Ion: 128 Resp: 213948

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.9 10.1 15.1

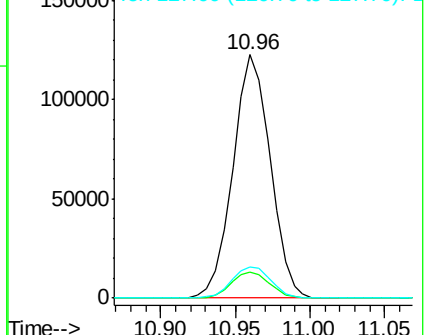
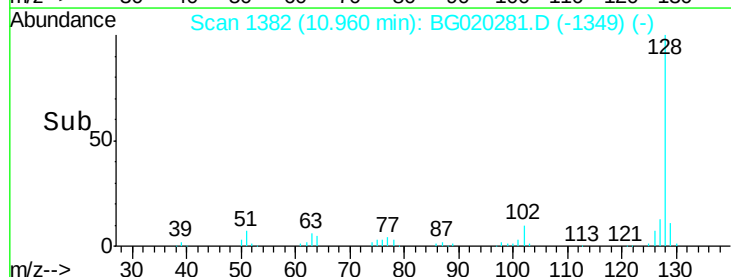


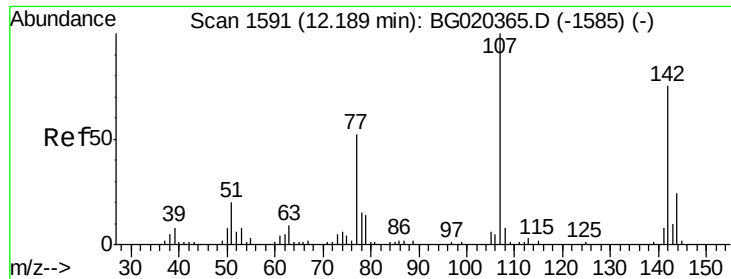
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

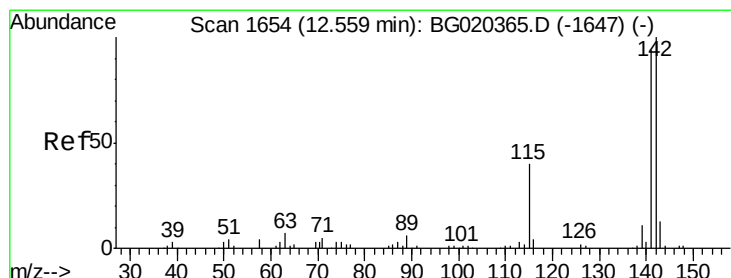
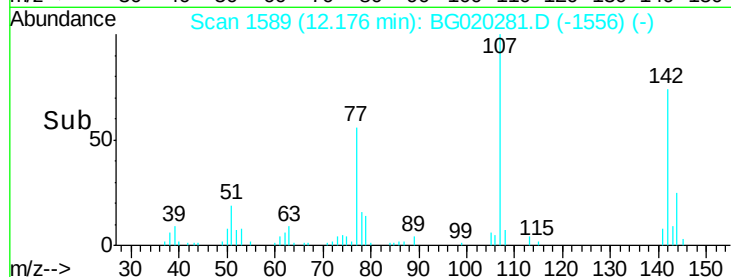
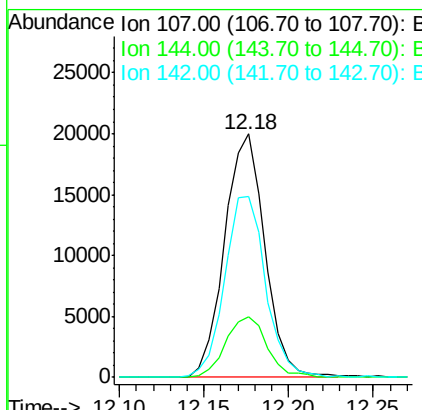
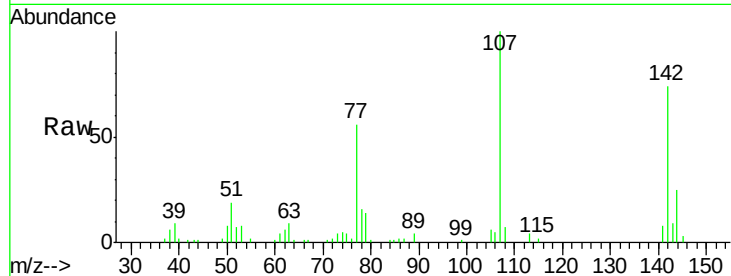




#33
 4-Chloro-3-methylphenol
 Concen: 23.26 ng/ul
 RT: 12.18 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

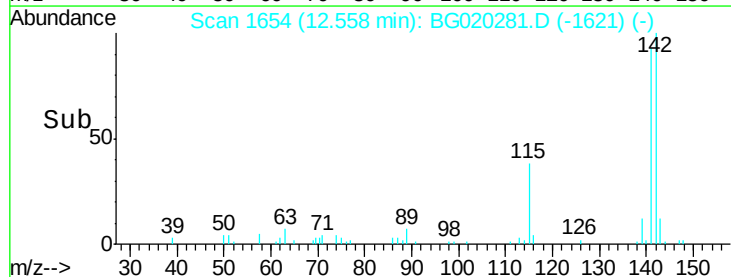
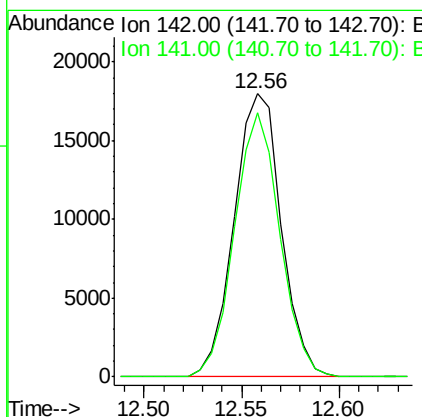
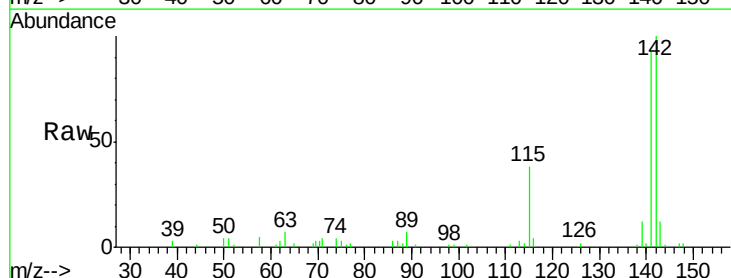
Instrument :
 BNA_G
 ClientSampleId :
 D9N27MS

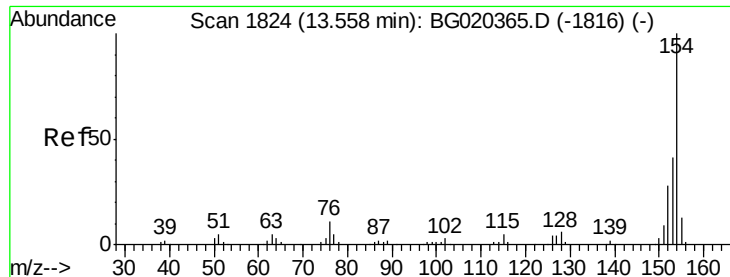
Tot Ion:107 Resp: 33121
 Ion Ratio Lower Upper
 107 100
 144 24.7 18.7 28.1
 142 74.3 52.8 79.2



#34
 2-Methylnaphthalene
 Concen: 11.35 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

Tgt Ion:142 Resp: 30065
 Ion Ratio Lower Upper
 142 100
 141 93.4 74.9 112.3

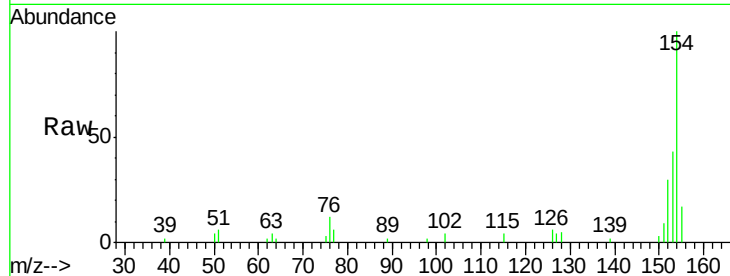




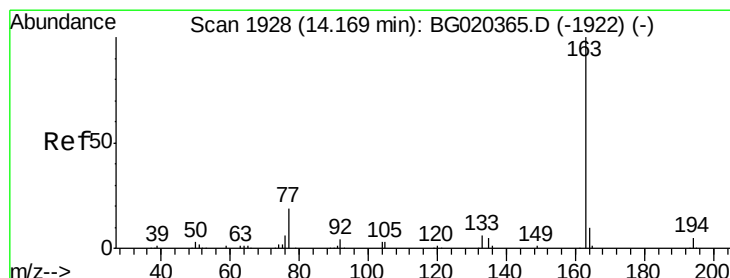
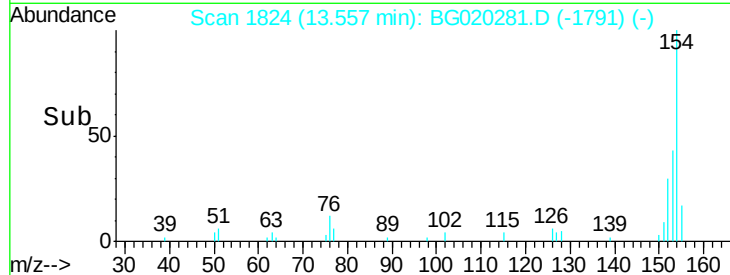
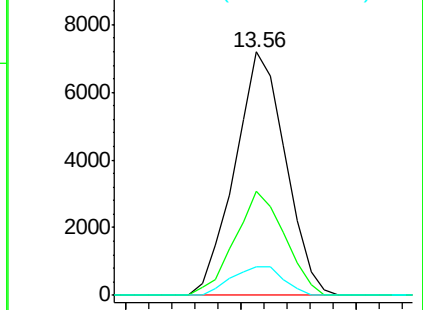
#41
1,1'-Biphenyl
Concen: 2.89 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020281.D
Acq: 18 Dec 2015 18:55

Instrument :
BNA_G
ClientSampleId :
D9N27MS

Tot Ion:154 Resp: 10986
Ion Ratio Lower Upper
154 100
153 42.6 35.5 53.3
76 11.9 10.4 15.6

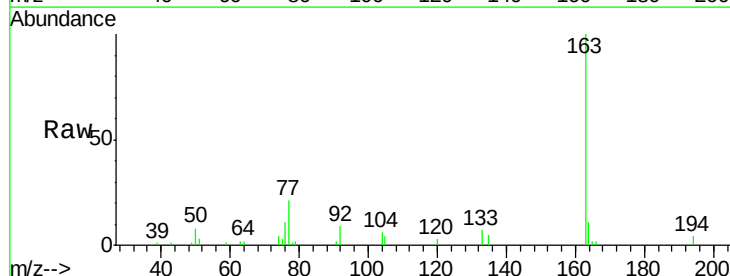


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

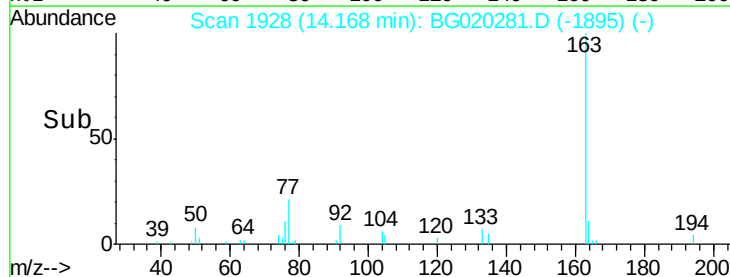
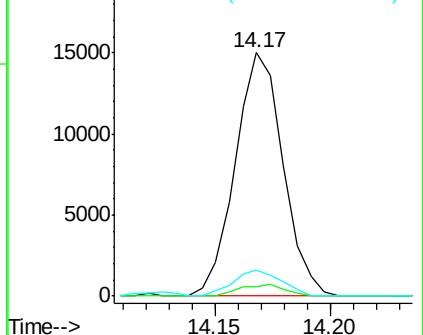


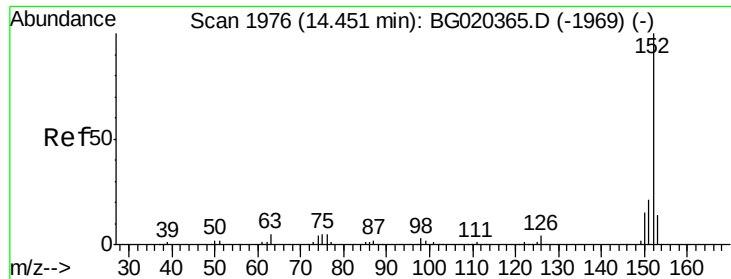
#45
Dimethylphthalate
Concen: 5.20 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020281.D
Acq: 18 Dec 2015 18:55

Tgt Ion:163 Resp: 21653
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 10.6 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





#48

Acenaphthylene

Concen: 1.40 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

Instrument :

BNA_G

ClientSampleId :

D9N27MS

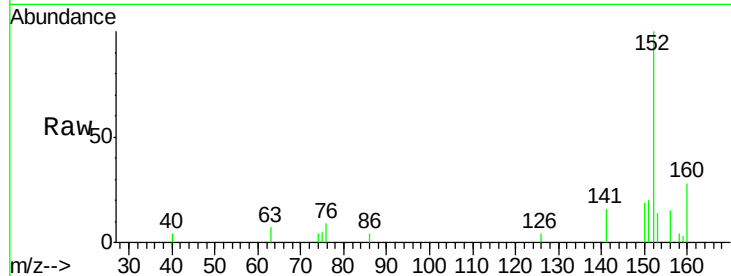
Tot Ion:152 Resp: 7072

Ion Ratio Lower Upper

152 100

151 19.6 16.4 24.6

153 13.9 10.4 15.6

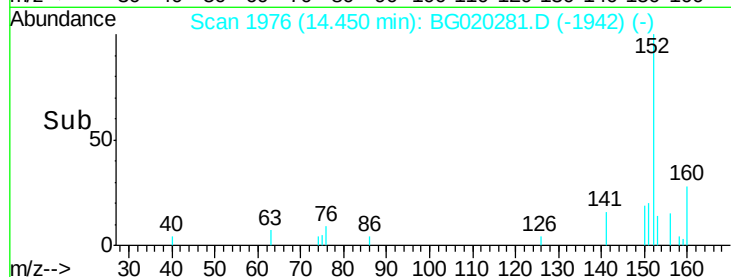


Abundance Ion 152.00 (151.70 to 152.70): E

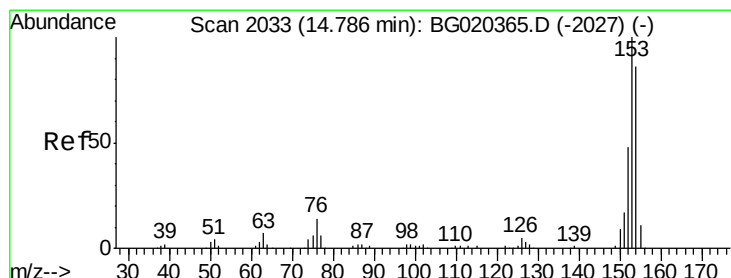
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



Time-->



#50

Acenaphthene

Concen: 42.19 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

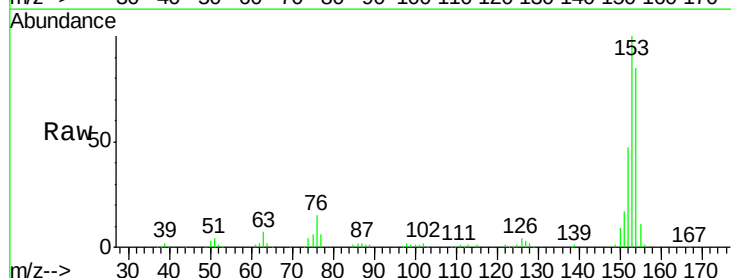
Tgt Ion:153 Resp: 143016

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

154 85.4 67.9 101.9

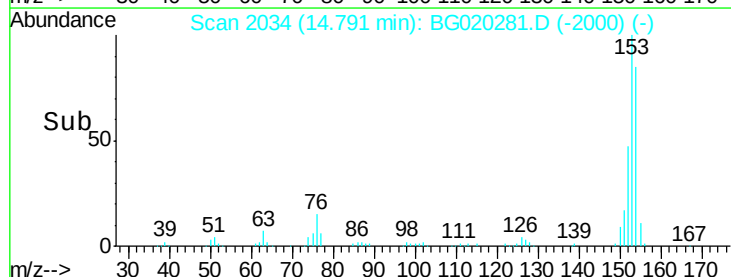


Abundance Ion 153.00 (152.70 to 153.70): E

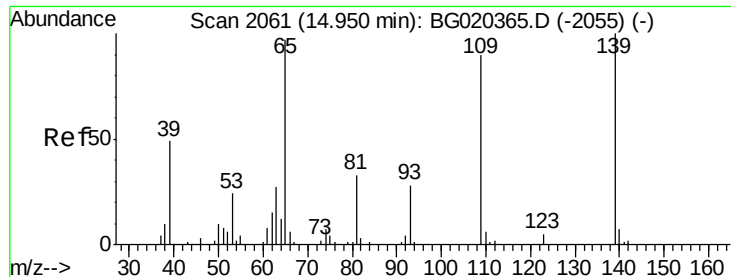
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



Time-->



#53

4-Nitrophenol

Concen: 6.06 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. -0.00 min

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Acq: 18 Dec 2015 18:55

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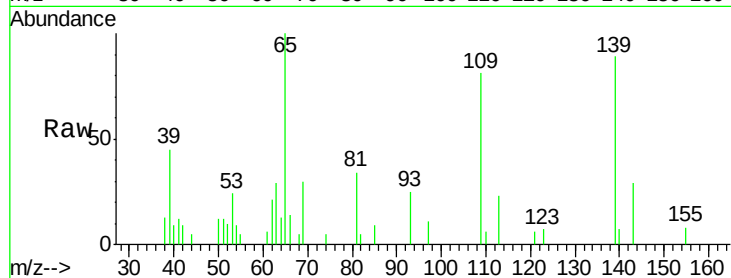
Tot Ion:109 Resp: 4264

Ion Ratio Lower Upper

109 100

139 108.9 80.5 120.7

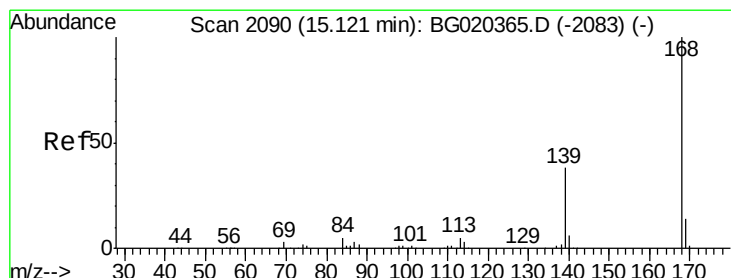
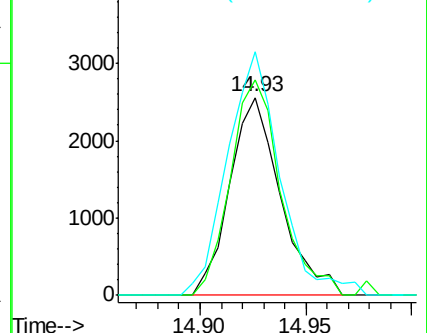
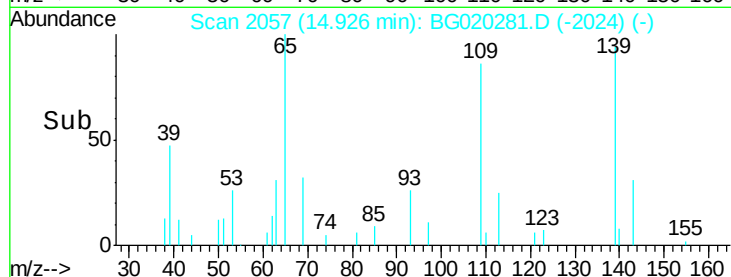
65 122.9 93.4 140.2



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC



#54

Dibenzofuran

Concen: 9.12 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BG020281.D

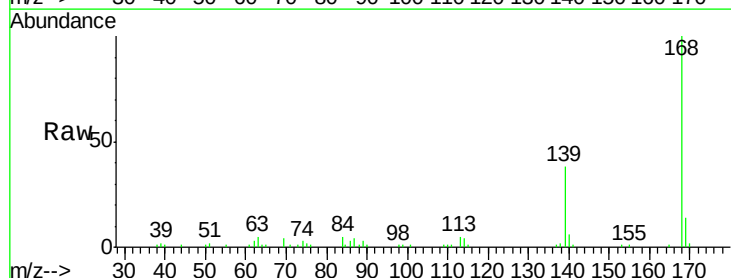
Acq: 18 Dec 2015 18:55

Tgt Ion:168 Resp: 46012

Ion Ratio Lower Upper

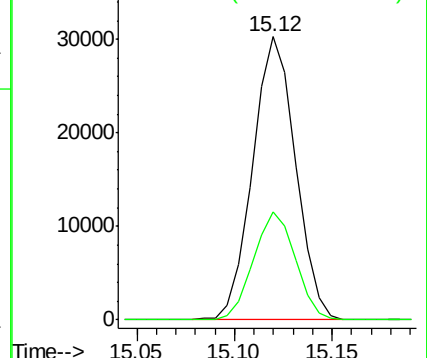
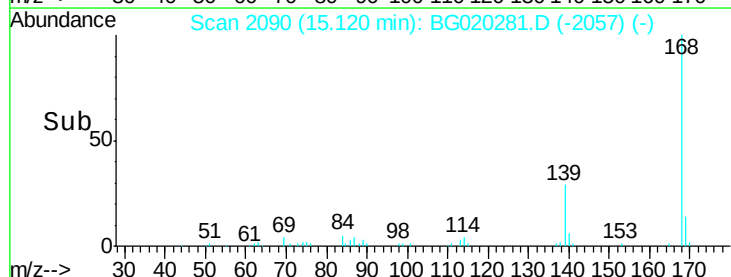
168 100

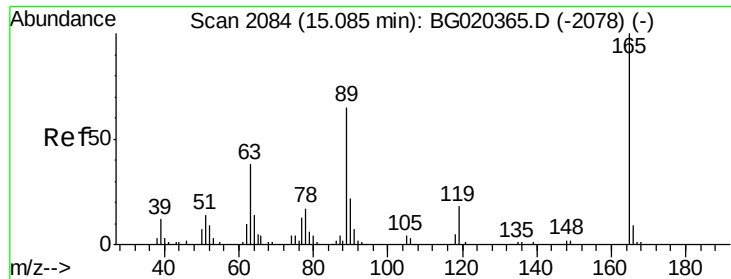
139 38.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,4-Dinitrotoluene

Concen: 30.66 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

Instrument :

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ClientSampleId :

D9N27MS

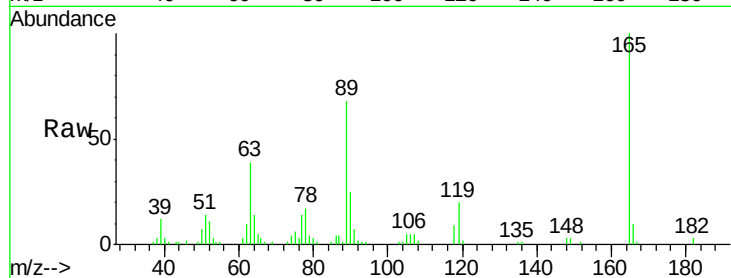
Tot Ion:165 Resp: 38760

Ion Ratio Lower Upper

165 100

63 39.2 35.8 53.8

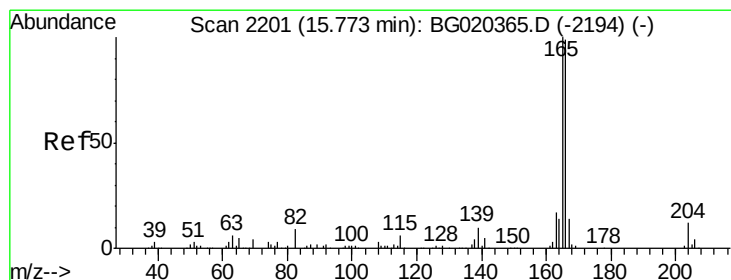
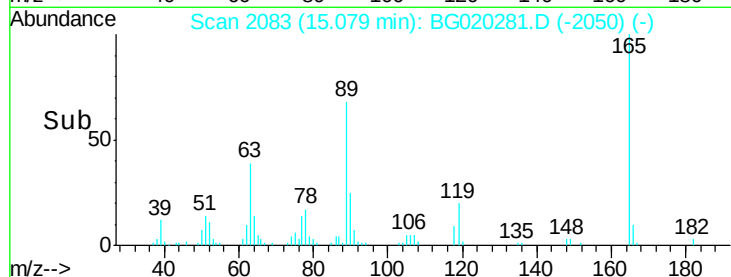
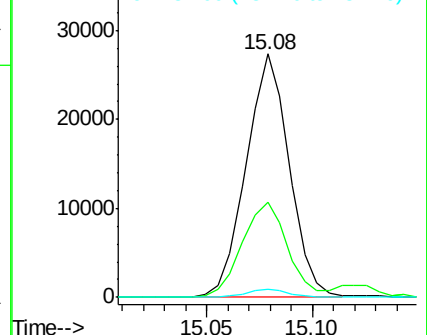
182 3.5 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#59

Fluorene

Concen: 8.68 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG020281.D

Acq: 18 Dec 2015 18:55

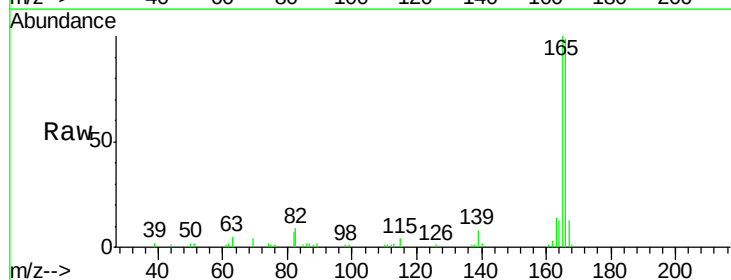
Tgt Ion:166 Resp: 35138

Ion Ratio Lower Upper

166 100

165 100.8 81.4 122.0

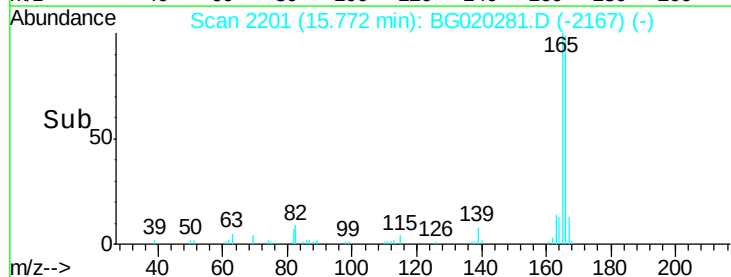
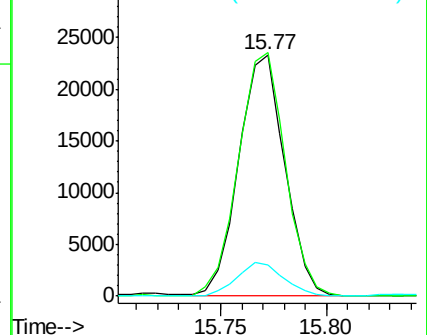
167 12.9 11.2 16.8

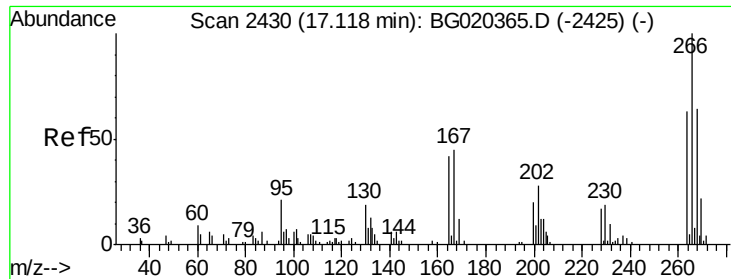


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

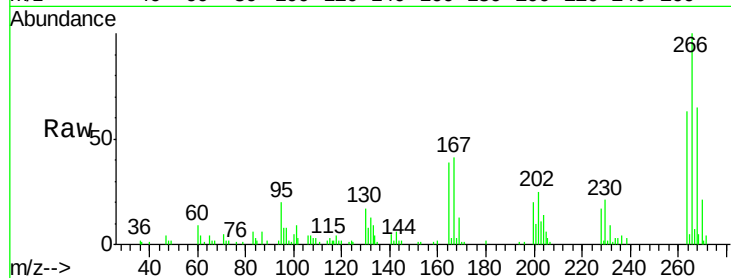




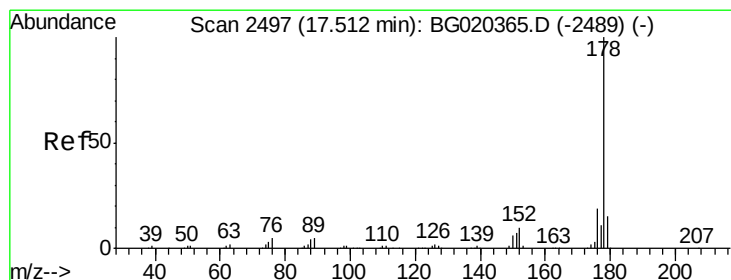
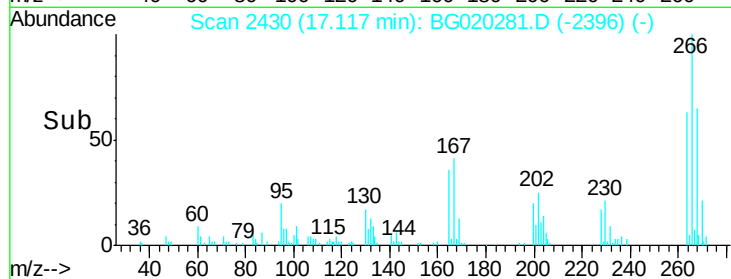
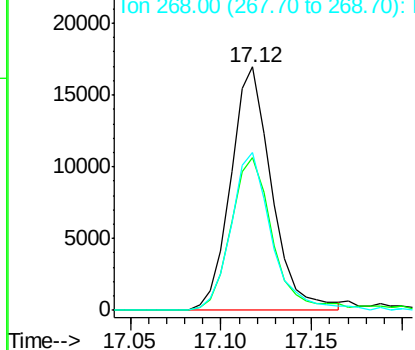
#69
 Pentachlorophenol
 Concen: 27.00 ng/ul
 RT: 17.12 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

Instrument :
 BNA_G
 ClientSampled :
 D9N27MS

Tot Ion:266 Resp: 26584
 Ion Ratio Lower Upper
 266 100
 264 62.9 52.2 78.2
 268 69.7 49.3 73.9

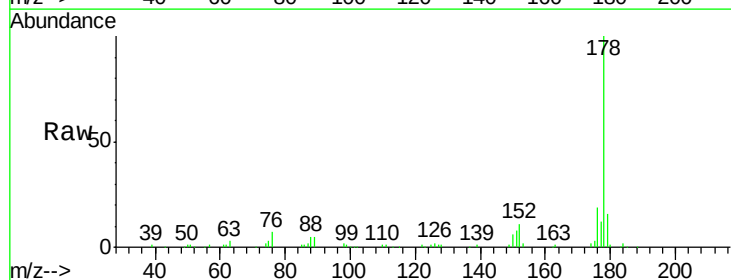


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

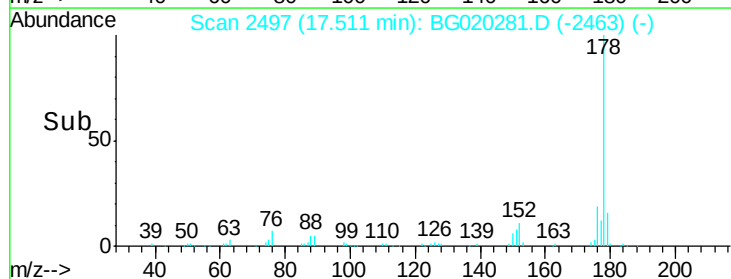
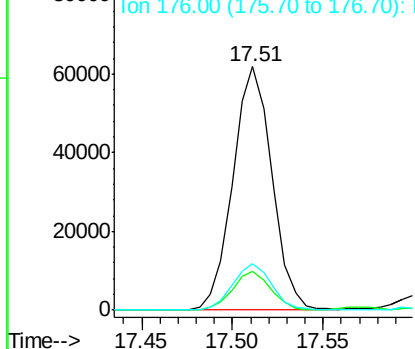


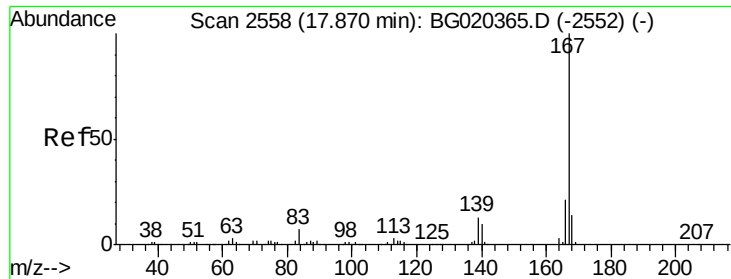
#70
 Phenanthrene
 Concen: 13.06 ng/ul
 RT: 17.51 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

Tgt Ion:178 Resp: 92527
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.9 19.3
 176 19.2 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

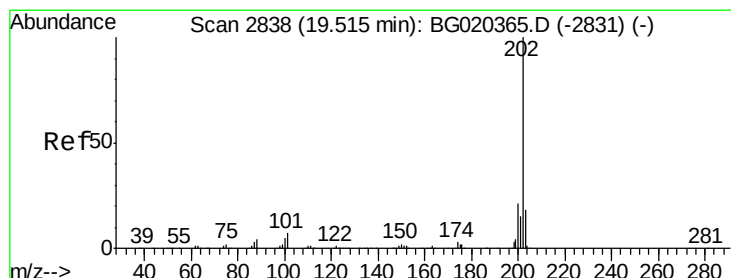
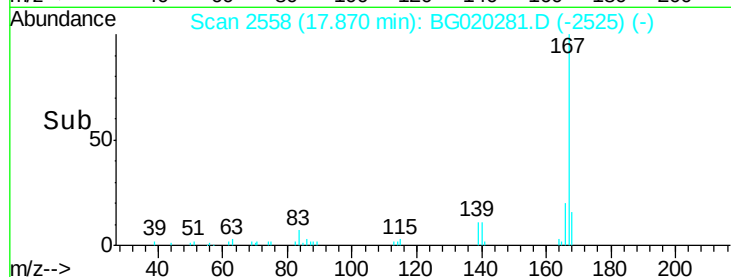
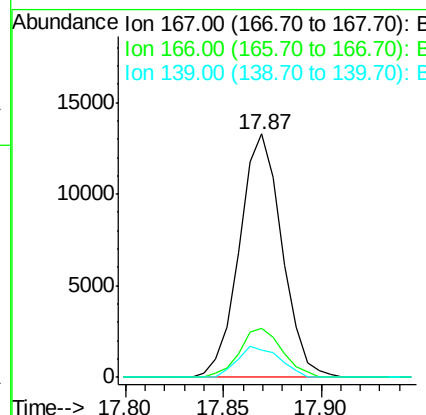
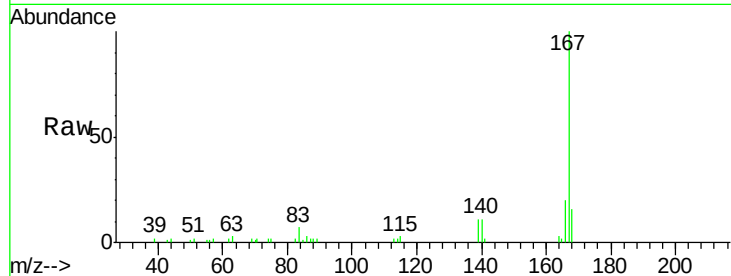




#75
 Carbazole
 Concen: 3.32 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

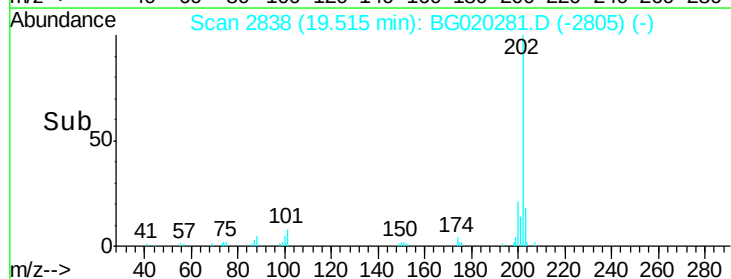
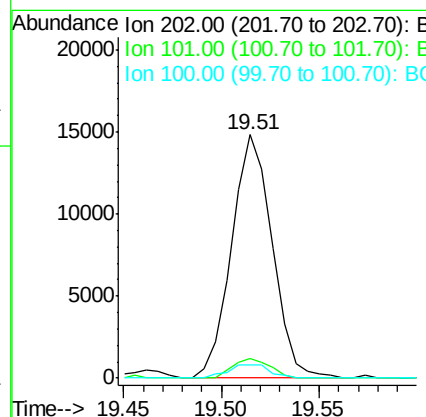
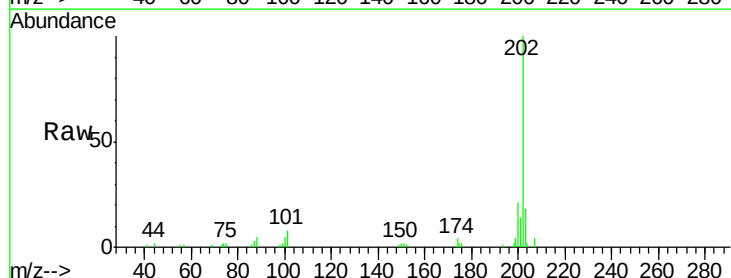
Instrument :
 BNA_G
 ClientSampleId :
 D9N27MS

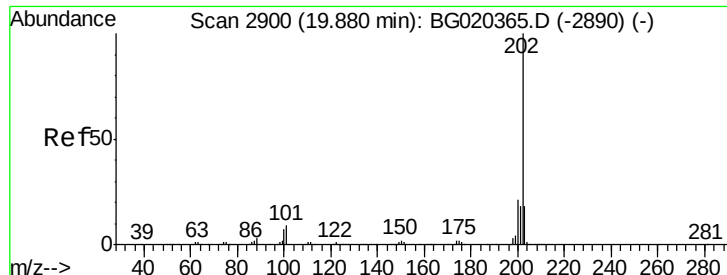
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.0	25.6
139	11.4	10.1	15.1



#77
 Fluoranthene
 Concen: 2.59 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.4
100	5.4	5.1	7.7





#80
 Pvrene
 Concen: 30.22 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020281.D
 Acq: 18 Dec 2015 18:55

Instrument :
 BNA_G
 ClientSampleId :
 D9N27MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.4	6.4	9.6

