

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020284.D
 Acq On : 18 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4768-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N29

Quant Time: Dec 19 00:50:30 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	18208	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	78299	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	54232	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	135413	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	178335	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	167613	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	429	1.30	ng/uL	0.00
5) Phenol-d5	7.24	99	10855	6.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	28269	29.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	28758	24.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21562	15.70	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20140	33.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	22757	33.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	40218	29.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.06	131	1499	0.97	ng/ul	0.02
44) Dimethylphthalate-d6	14.13	166	143875	32.80	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	165455	32.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5140	6.53	ng/ul	0.00
58) Fluorene-d10	15.72	176	128424	32.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	23307	29.03	ng/ul	0.00
71) Anthracene-d10	17.57	188	208635	33.44	ng/ul	0.00
79) Pyrene-d10	19.85	212	253014	30.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	265870	31.80	ng/ul	0.00

Target Compounds

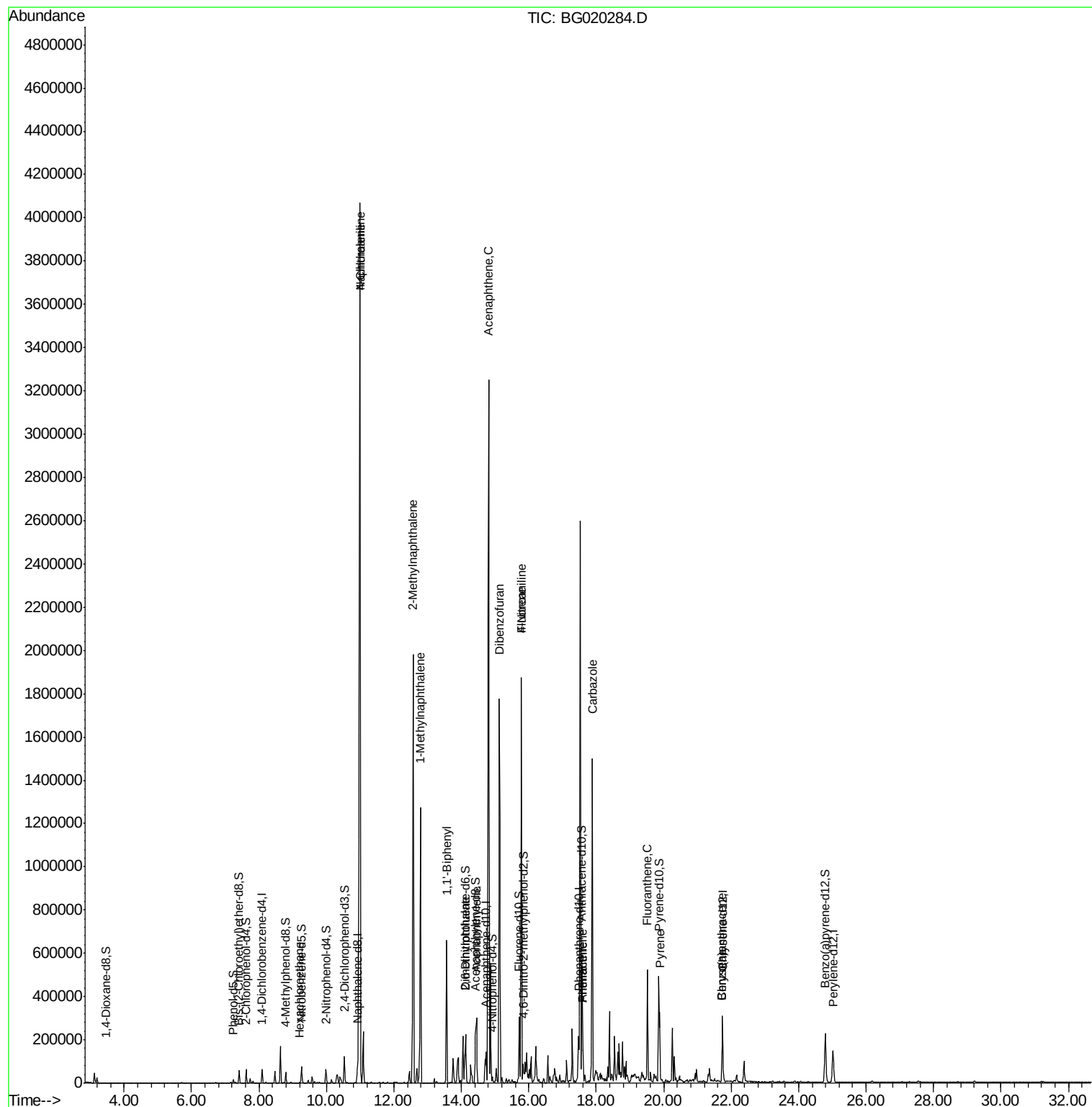
						Qvalue
17) Hexachloroethane	9.20	117	1269	2.47	ng/ul#	1
28) Naphthalene	11.00	128	3906594	955.41	ng/ul#	75
30) 4-Chloroaniline	11.00	127	752257	476.86	ng/ul#	11
34) 2-Methylnaphthalene	12.57	142	974511	312.02	ng/ul	98
35) 1-Methylnaphthalene	12.79	142	588099	195.86	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	357431	87.36	ng/ul	96
46) 2,6-Dinitrotoluene	14.12	165	2350	2.54	ng/ul#	54
48) Acenaphthylene	14.45	152	175894	32.44	ng/ul	98
50) Acenaphthene	14.81	153	1481541	406.11	ng/ul	94
54) Dibenzofuran	15.13	168	1142671	210.55	ng/ul	93
59) Fluorene	15.78	166	892584	204.81	ng/ul	98
61) 4-Nitroaniline	15.78	138	11738	12.07	ng/ul#	12
70) Phenanthrene	17.60	178	100330	13.55	ng/ul	96
72) Anthracene	17.60	178	101331	13.49	ng/ul#	96
75) Carbazole	17.88	167	1086739	172.16	ng/ul	96
77) Fluoranthene	19.52	202	330030	38.13	ng/ul	98
80) Pyrene	19.88	202	194511	18.02	ng/ul	99
83) Benzo(a)anthracene	21.72	228	10707	1.03	ng/ul	98
85) Chrysene	21.72	228	10707	1.09	ng/ul	98

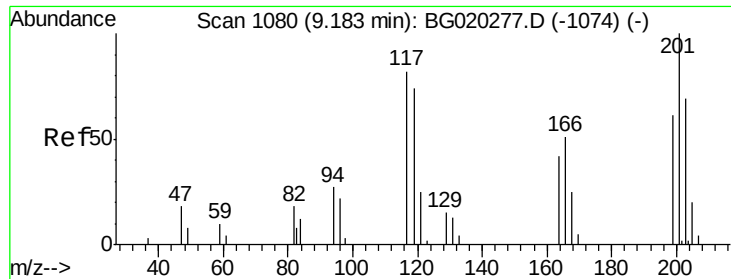
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N29

Quant Time: Dec 19 00:50:30 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





#17

Hexachloroethane

Concen: 2.47 ng/ul

RT: 9.20 min Scan# 1083

Delta R.T. 0.02 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N29

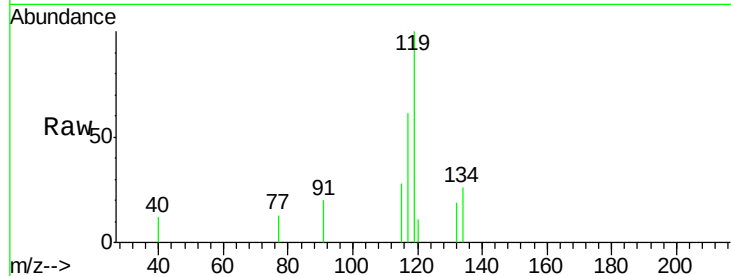
Tgt Ion:117 Resp: 1269

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

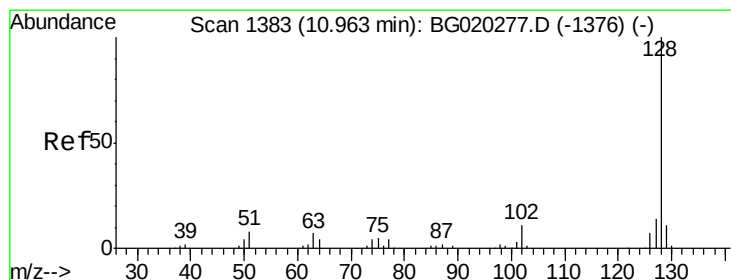
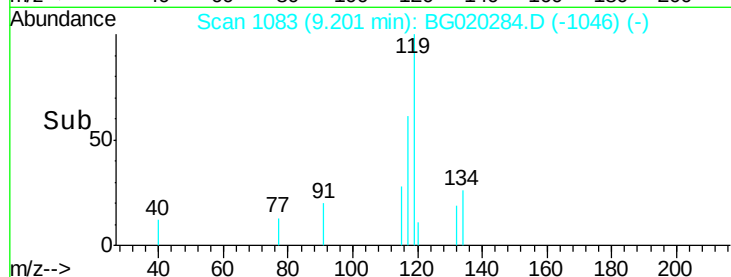
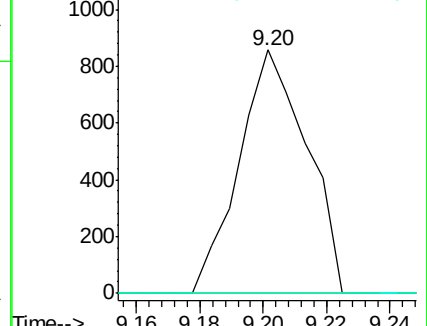
199 0.0 65.8 98.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 955.41 ng/ul

RT: 11.00 min Scan# 1389

Delta R.T. 0.04 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

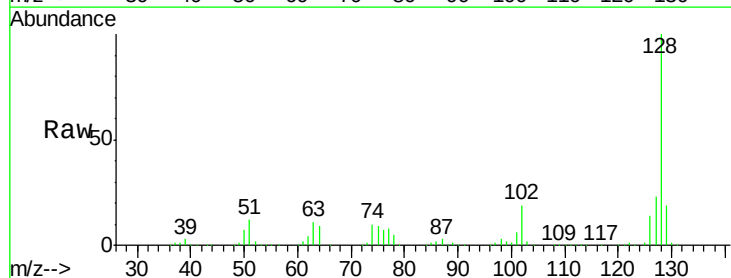
Tgt Ion:128 Resp: 3906594

Ion Ratio Lower Upper

128 100

129 19.2 8.6 12.8#

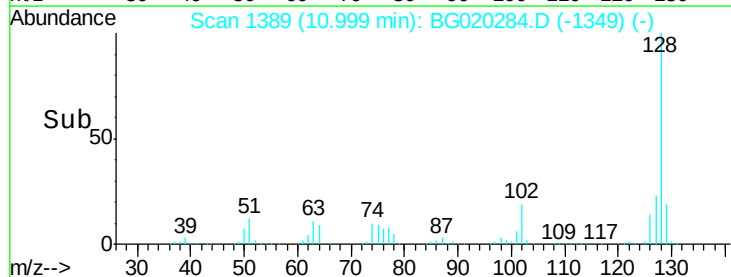
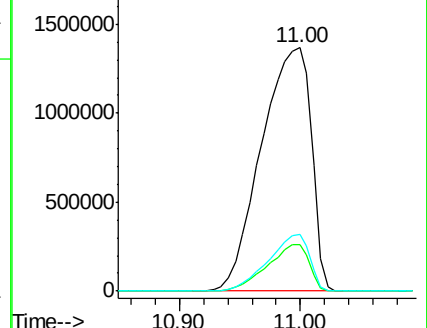
127 23.4 10.1 15.1#

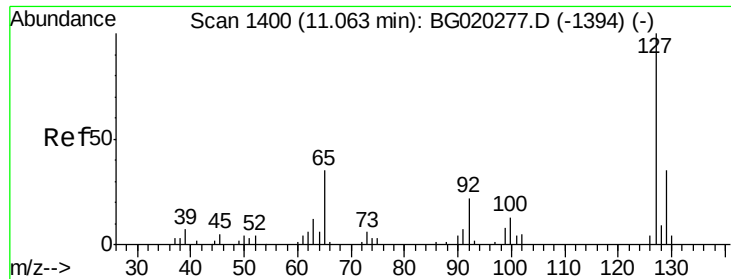


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

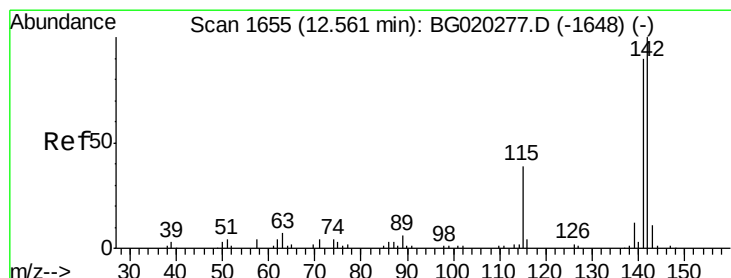
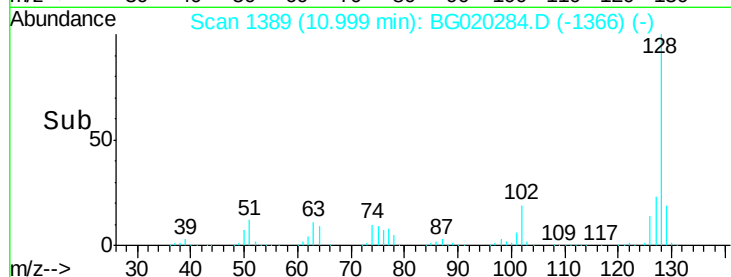
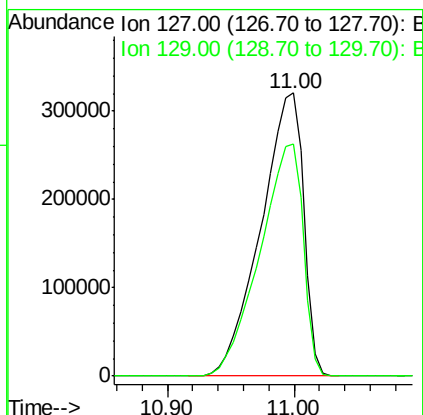
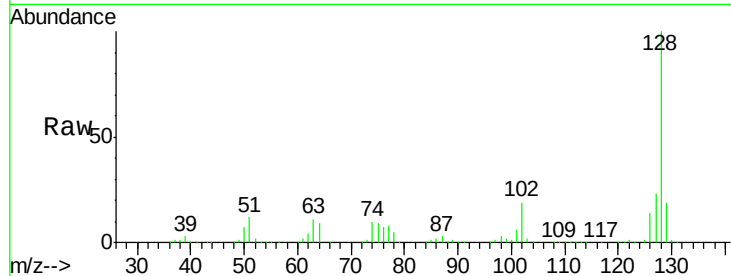




#30
 4-Chloroaniline
 Concen: 476.86 ng/ul
 RT: 11.00 min Scan# 1389
 Delta R.T. -0.06 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

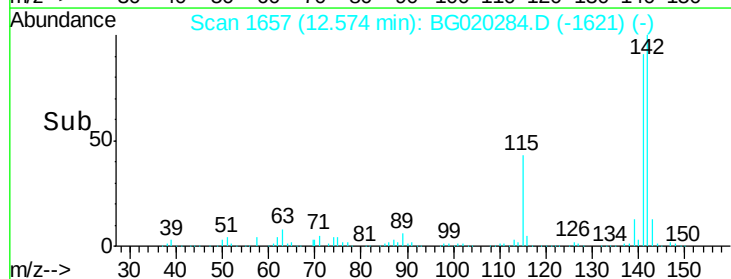
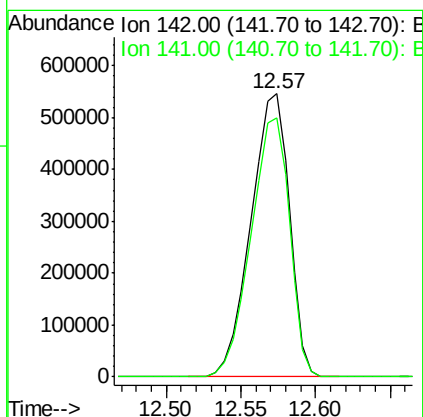
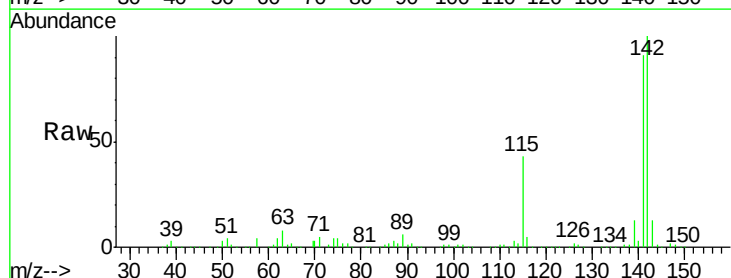
Instrument :
 BNA_G
 ClientSampleId :
 D9N29

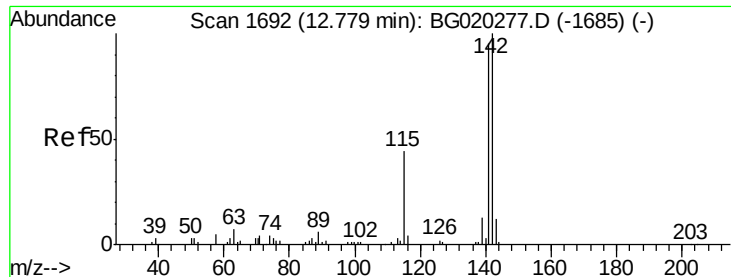
Tgt Ion:127 Resp: 752257
 Ion Ratio Lower Upper
 127 100
 129 81.9 25.7 38.5#



#34
 2-Methylnaphthalene
 Concen: 312.02 ng/ul
 RT: 12.57 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Tgt Ion:142 Resp: 974511
 Ion Ratio Lower Upper
 142 100
 141 91.3 74.9 112.3

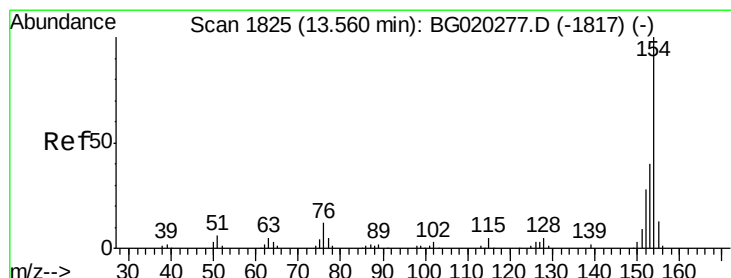
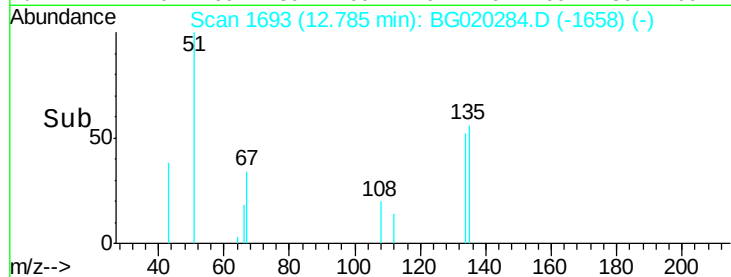
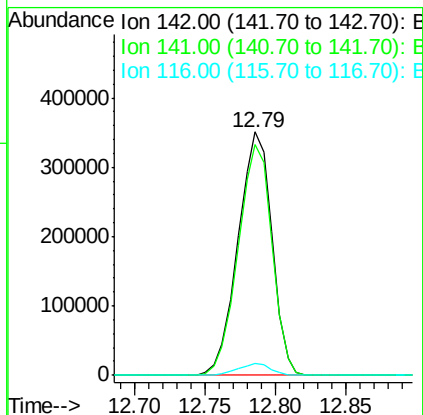
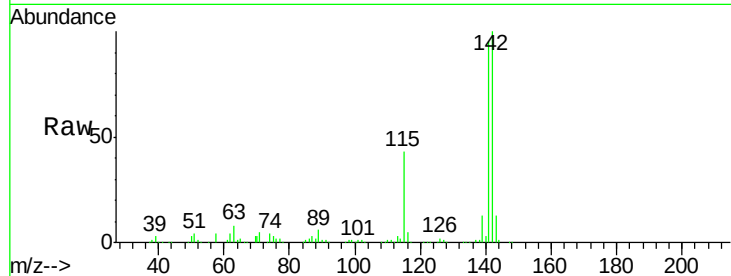




#35
 1-Methylnaphthalene
 Concen: 195.86 ng/ul
 RT: 12.79 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

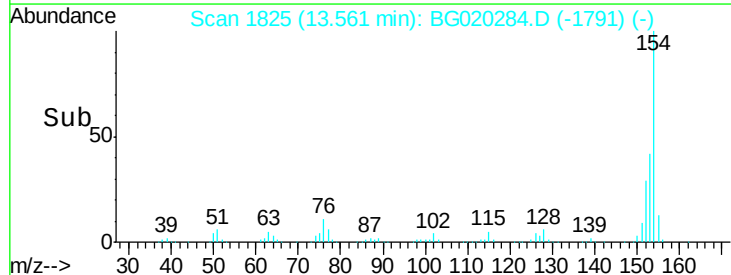
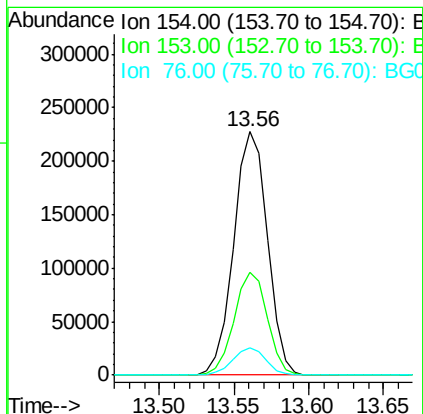
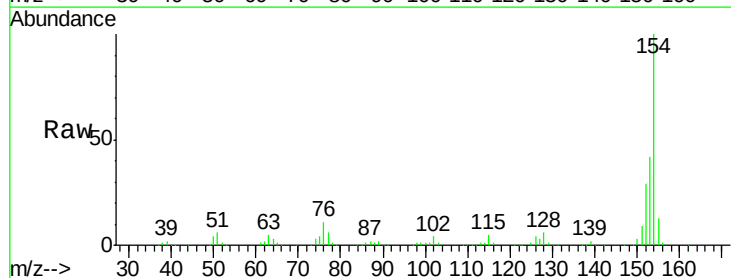
Instrument :
 BNA_G
 ClientSampleId :
 D9N29

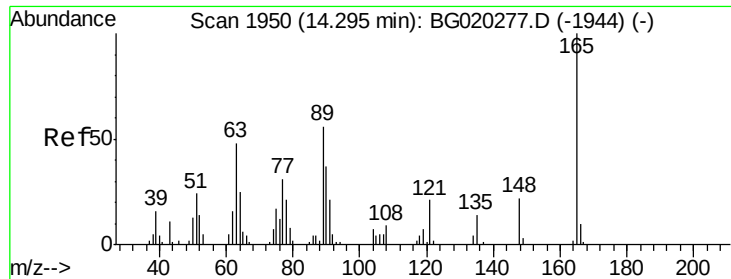
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	73.0	109.6
116	4.8	3.0	4.6#



#41
 1,1'-Biphenyl
 Concen: 87.36 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	35.5	53.3
76	11.2	10.4	15.6

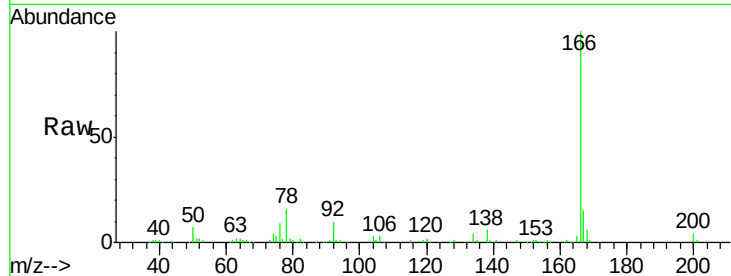




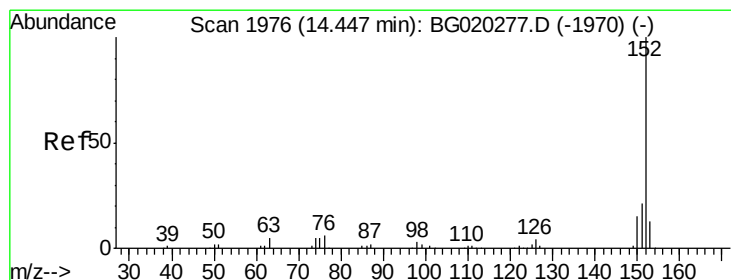
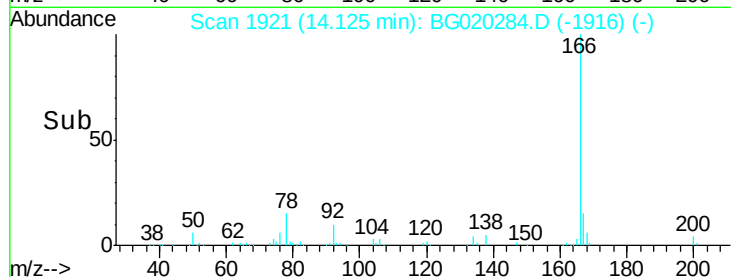
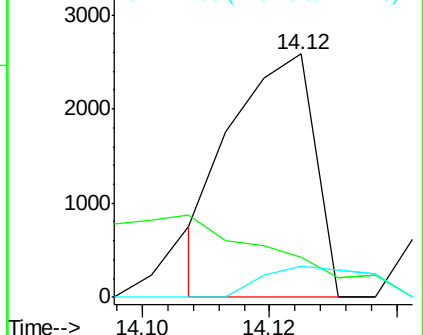
#46
 2,6-Dinitrotoluene
 Concen: 2.54 ng/ul
 RT: 14.12 min Scan# 1921
 Delta R.T. -0.17 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Instrument :
 BNA_G
 ClientSampleId :
 D9N29

Tgt Ion:165 Resp: 2350
 Ion Ratio Lower Upper
 165 100
 89 16.5 47.0 70.4#
 121 12.8 17.0 25.6#

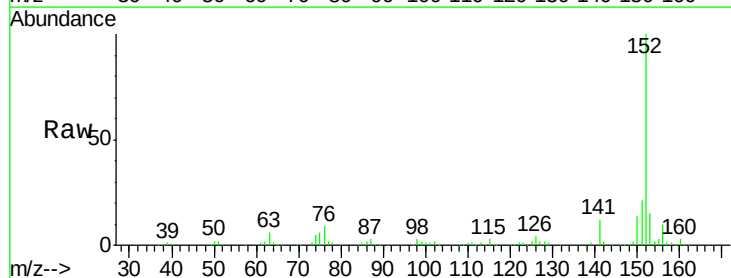


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

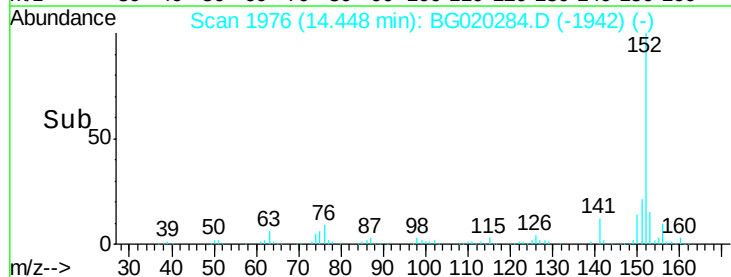
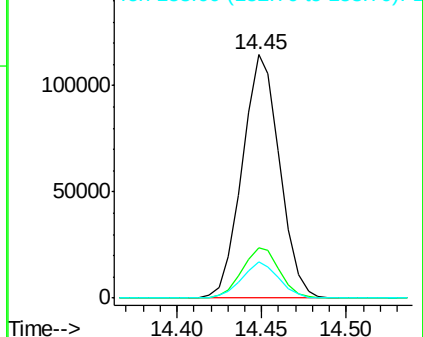


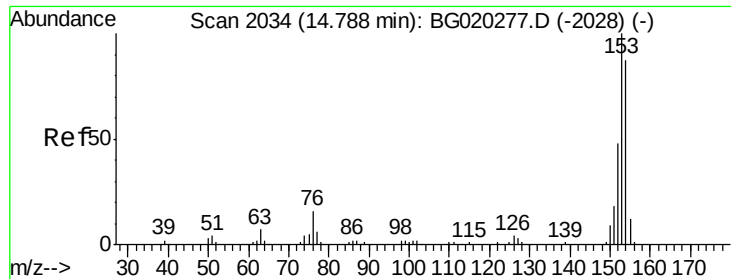
#48
 Acenaphthylene
 Concen: 32.44 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Tgt Ion:152 Resp: 175894
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.4 24.6
 153 14.9 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





#50

Acenaphthene

Concen: 406.11 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N29

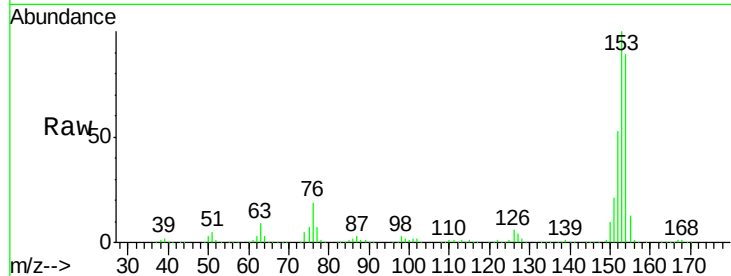
Tgt Ion:153 Resp: 1481541

Ion Ratio Lower Upper

153 100

152 53.5 37.6 56.4

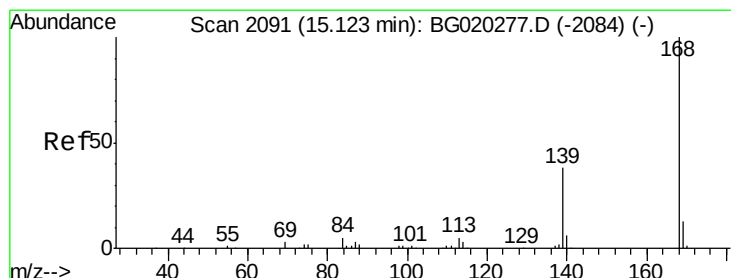
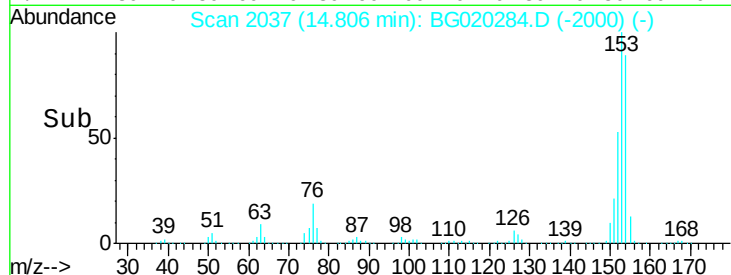
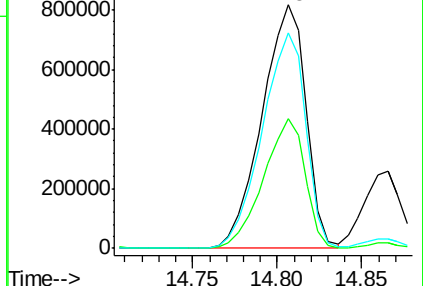
154 88.5 67.9 101.9



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: 210.55 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BG020284.D

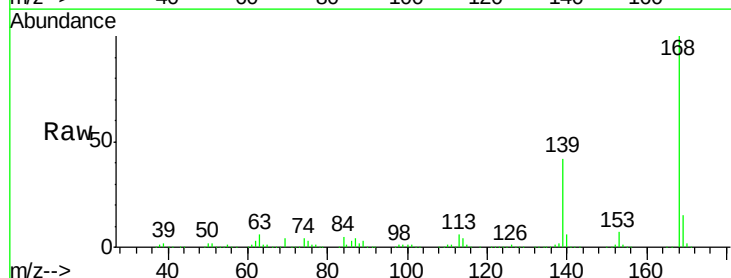
Acq: 18 Dec 2015 20:52

Tgt Ion:168 Resp: 1142671

Ion Ratio Lower Upper

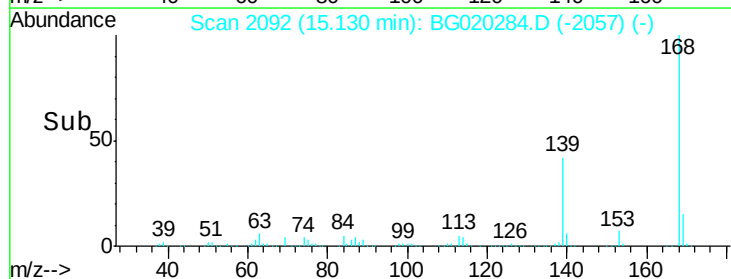
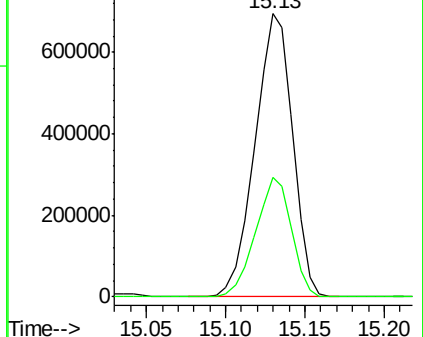
168 100

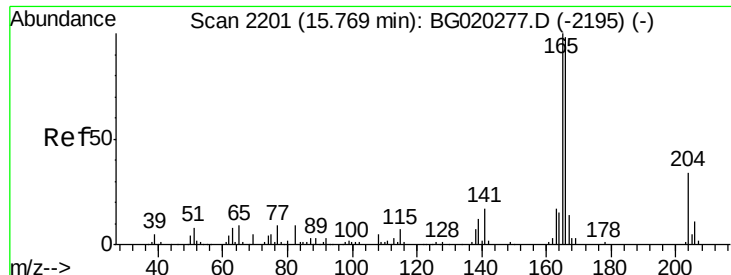
139 42.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

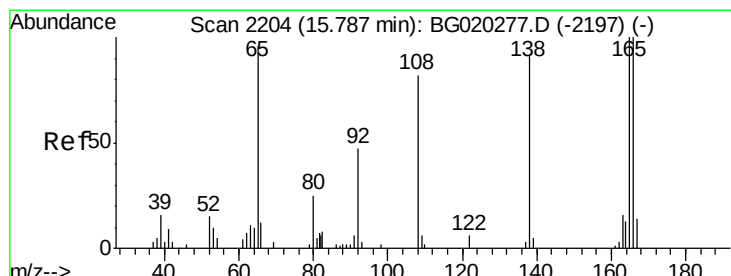
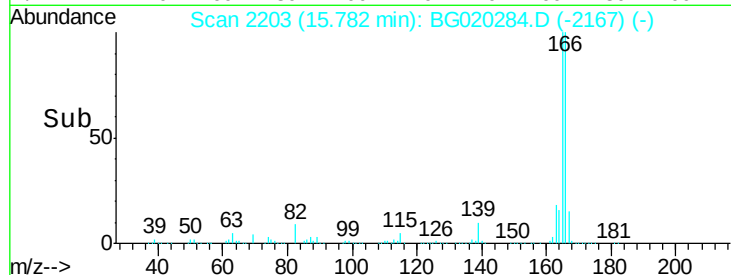
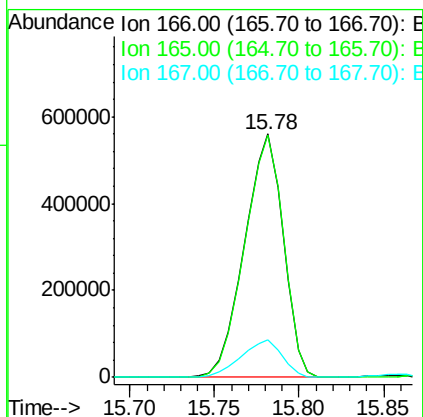
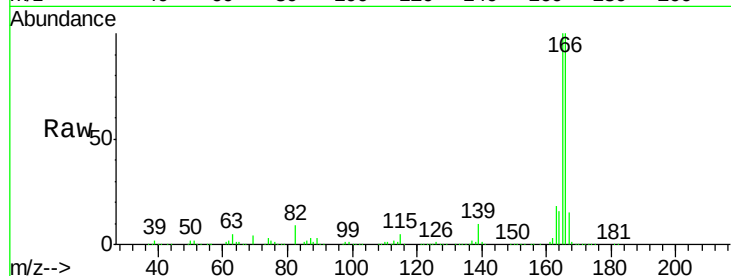




#59
 Fluorene
 Concen: 204.81 ng/ul
 RT: 15.78 min Scan# 2203
 Delta R.T. 0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

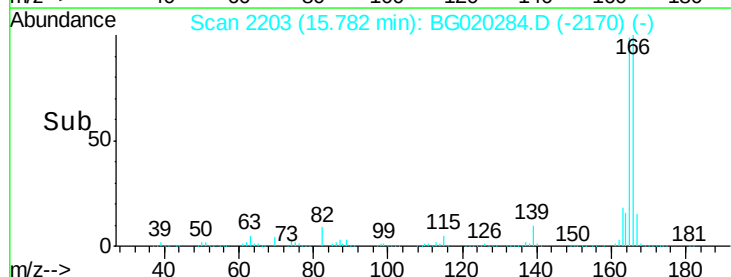
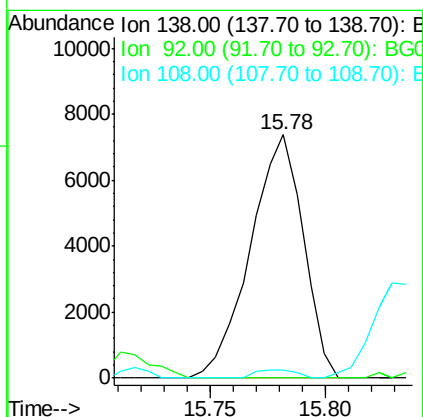
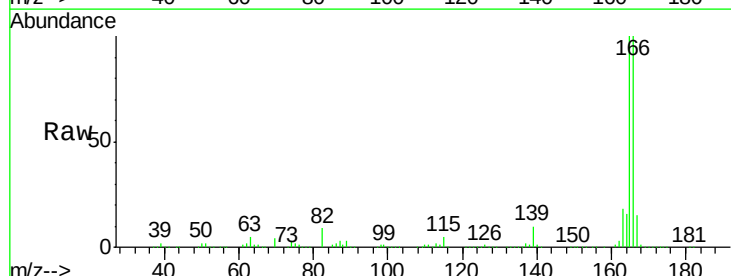
Instrument :
 BNA_G
 ClientSampleId :
 D9N29

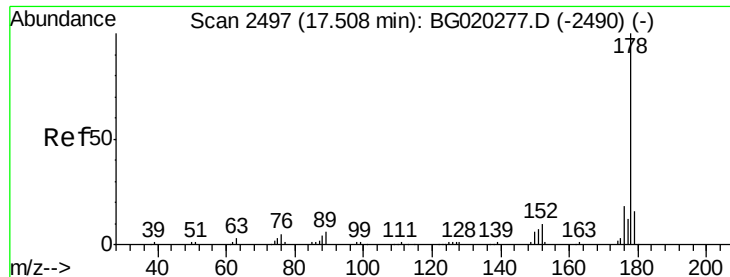
Tgt Ion:166 Resp: 892584
 Ion Ratio Lower Upper
 166 100
 165 99.7 81.4 122.0
 167 15.3 11.2 16.8



#61
 4-Nitroaniline
 Concen: 12.07 ng/ul
 RT: 15.78 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Tgt Ion:138 Resp: 11738
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 3.4 75.4 113.0#





#70

Phenanthrene

Concen: 13.55 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.09 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

Instrument :

BNA_G

ClientSampled :

D9N29

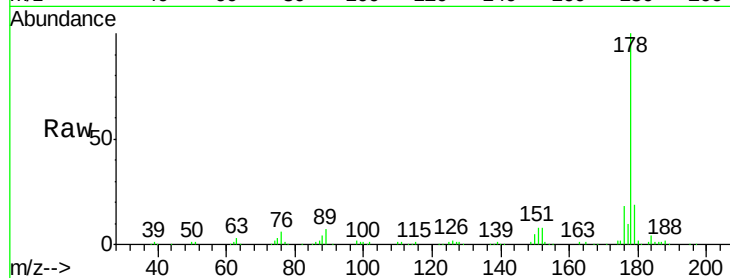
Tgt Ion:178 Resp: 100330

Ion Ratio Lower Upper

178 100

179 18.8 12.9 19.3

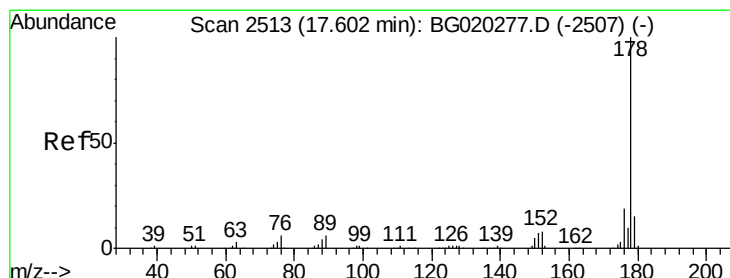
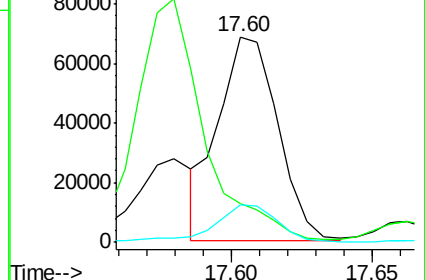
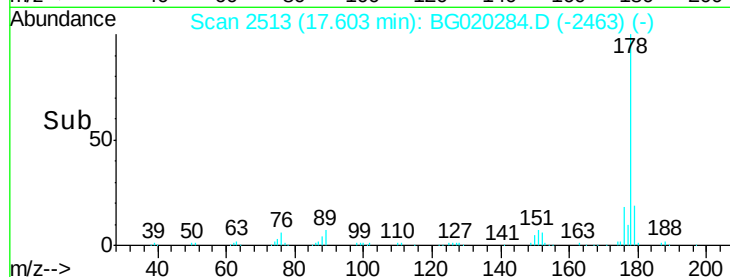
176 18.2 15.3 22.9



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



#72

Anthracene

Concen: 13.49 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

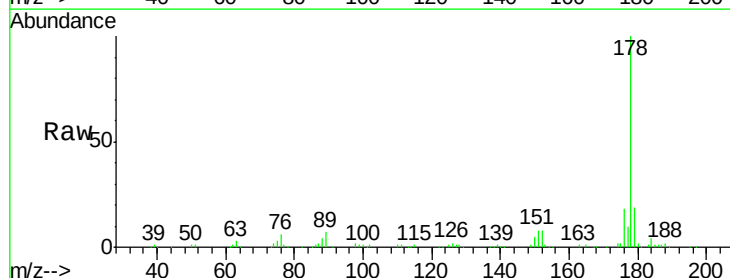
Tgt Ion:178 Resp: 101331

Ion Ratio Lower Upper

178 100

179 18.8 12.3 18.5#

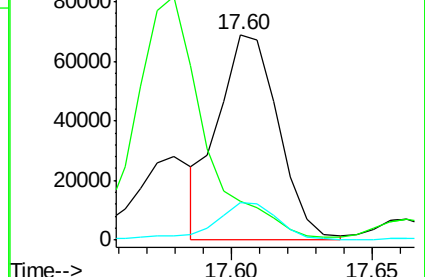
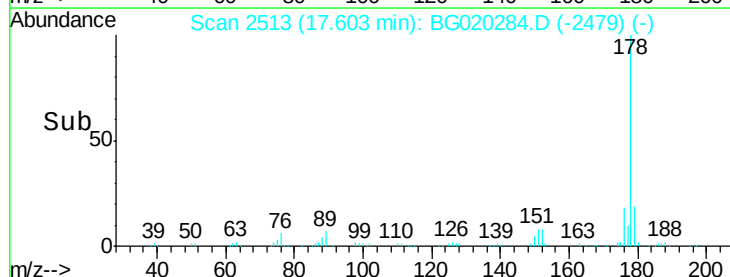
176 18.2 14.3 21.5

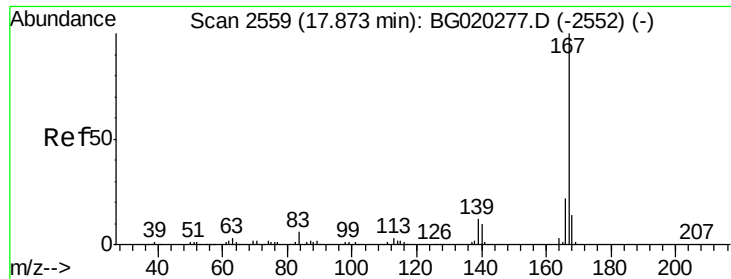


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 172.16 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N29

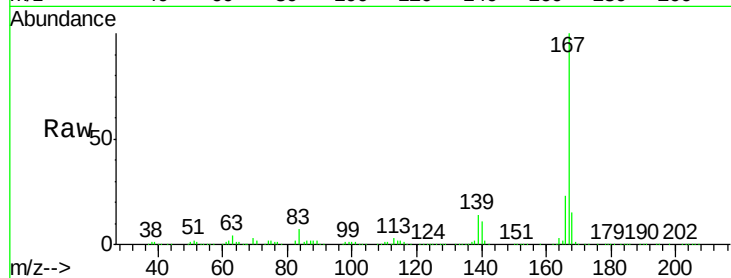
Tgt Ion:167 Resp: 1086739

Ion Ratio Lower Upper

167 100

166 23.4 17.0 25.6

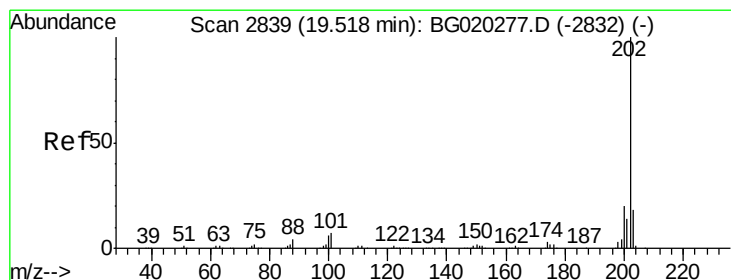
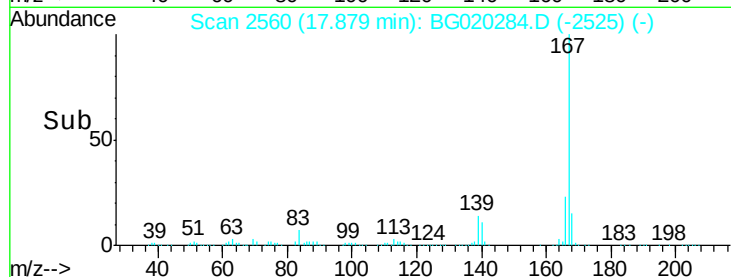
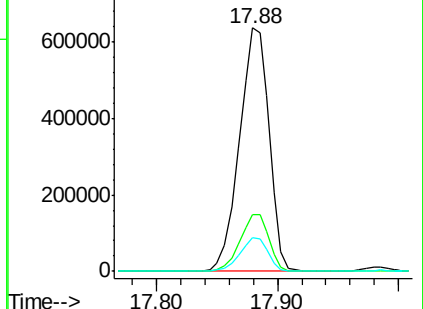
139 13.6 10.1 15.1



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: 38.13 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

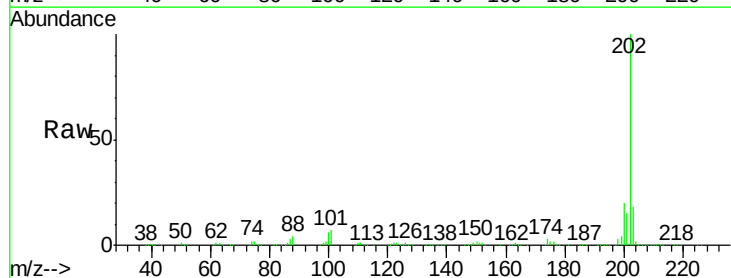
Tgt Ion:202 Resp: 330030

Ion Ratio Lower Upper

202 100

101 6.9 6.2 9.4

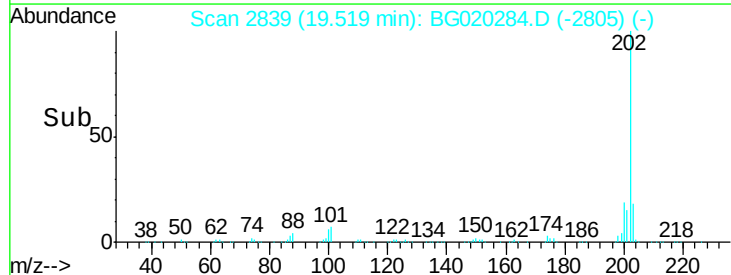
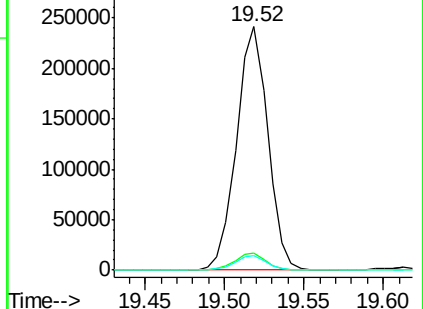
100 5.7 5.1 7.7

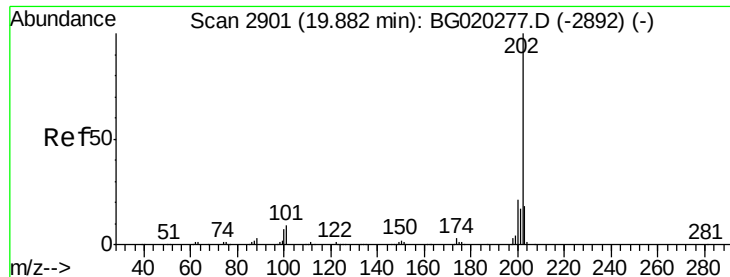


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

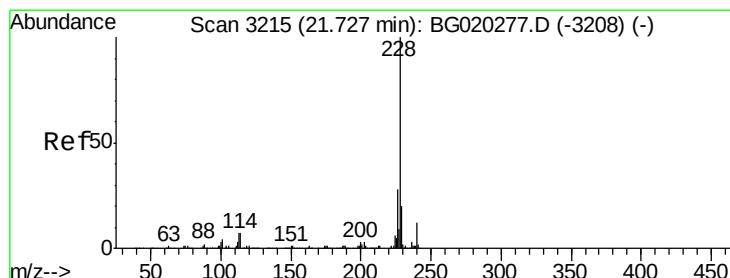
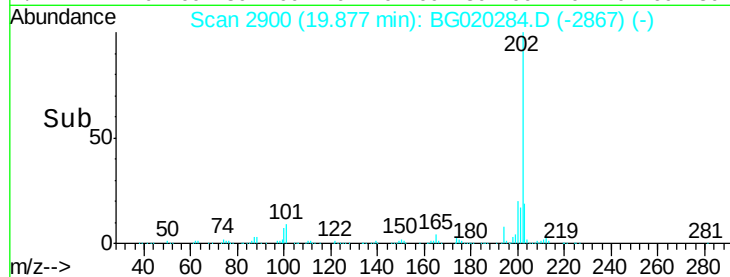
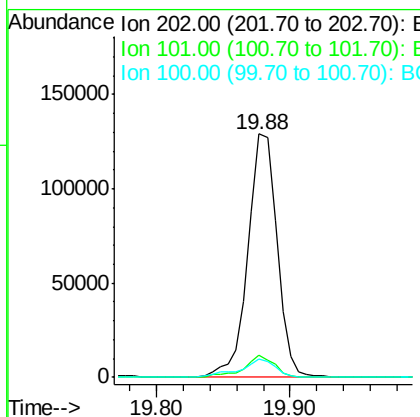
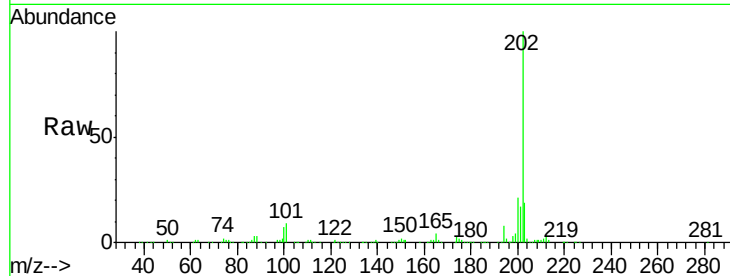




#80
 Pyrene
 Concen: 18.02 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

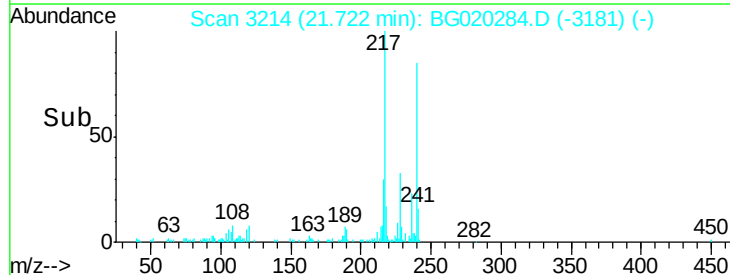
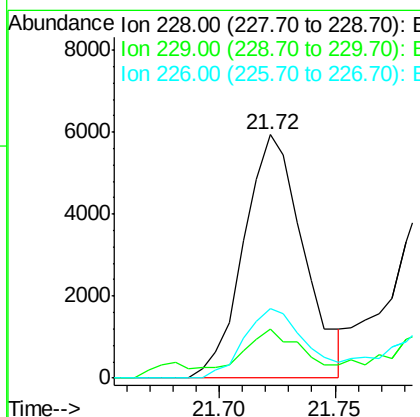
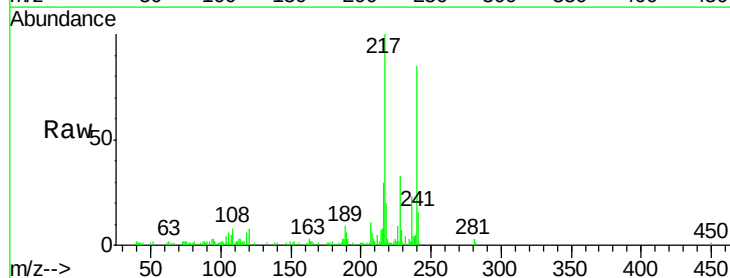
Instrument :
 BNA_G
 ClientSampleId :
 D9N29

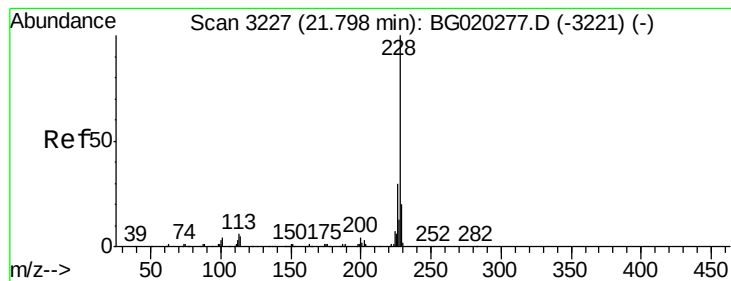
Tgt Ion:	202	Resp:	194511
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
100	7.5	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 1.03 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: BG020284.D
 Acq: 18 Dec 2015 20:52

Tgt Ion:	228	Resp:	10707
Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.8	23.8
226	28.5	21.8	32.6





#85

Chrysene

Concen: 1.09 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.08 min

Lab File: BG020284.D

Acq: 18 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N29

Tgt Ion:	228	Resp:	10707
Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	20.0	15.6	23.4

