

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025281.D
 Acq On : 17 Dec 2016 19:29
 Operator : UM/SJ
 Sample : H6040-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W0

Quant Time: Dec 18 03:09:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 00:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	76628	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	307334	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	241459	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	498649	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	634908	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	664413	20.00	ng/ul	0.02

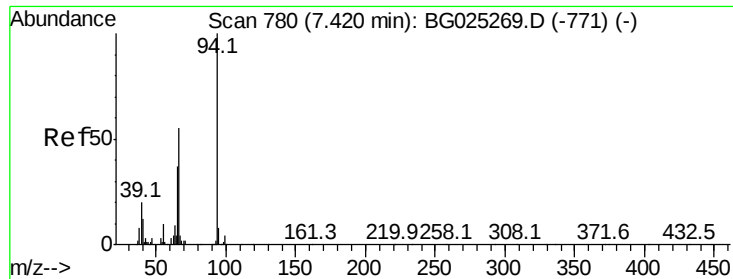
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	5529	3.73	ng/uL	0.00
5) Phenol-d5	7.40	99	132464	20.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	84639	20.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	93410	20.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	109342	19.79	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	52446	24.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	58272	21.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	113960	21.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	43112	8.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	380791	22.93	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	432514	23.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	84146	29.48	ng/ul	0.02
57) Fluorene-d10	15.85	176	386668	24.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	88310	28.64	ng/ul	0.01
70) Anthracene-d10	17.70	188	560138	26.61	ng/ul	0.00
76) Pyrene-d10	19.98	212	667205	25.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.11	264	677090	25.15	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.42	94	16166	2.38	ng/ul# 73
28) Naphthalene	11.11	128	287585	20.13	ng/ul 96
34) 2-Methylnaphthalene	12.70	142	447636	39.70	ng/ul 93
40) 1,1'-Biphenyl	13.69	154	148848	10.17	ng/ul 96
44) Dimethylphthalate	14.30	163	57575	3.53	ng/ul# 97
49) Acenaphthene	14.92	153	63773	5.26	ng/ul# 92
53) Dibenzofuran	15.25	168	193069	10.07	ng/ul 99
58) Fluorene	15.90	166	316880	20.31	ng/ul# 99
69) Phenanthrene	17.65	178	346643	14.56	ng/ul# 93
71) Anthracene	17.74	178	110940	4.53	ng/ul# 88
72) Carbazole	18.01	167	42567	2.09	ng/ul# 80
74) Fluoranthene	19.65	202	94015	3.32	ng/ul# 94
77) Pyrene	20.01	202	168944	5.54	ng/ul 98

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



#6

Phenol

Concen: 2.38 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

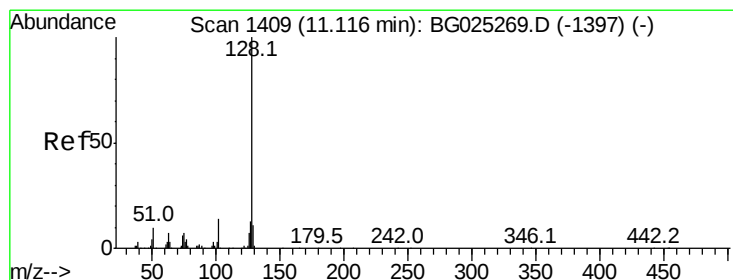
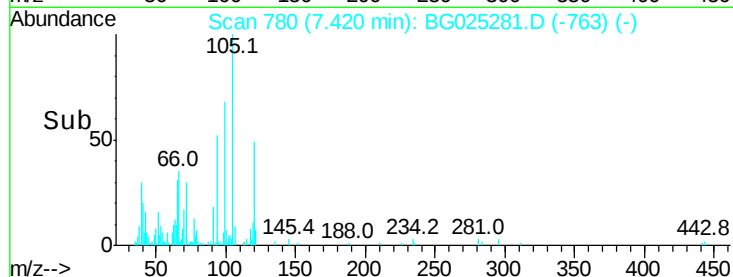
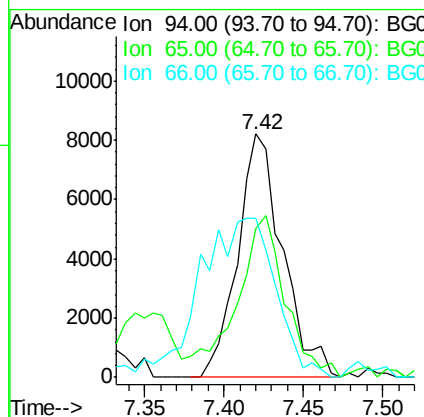
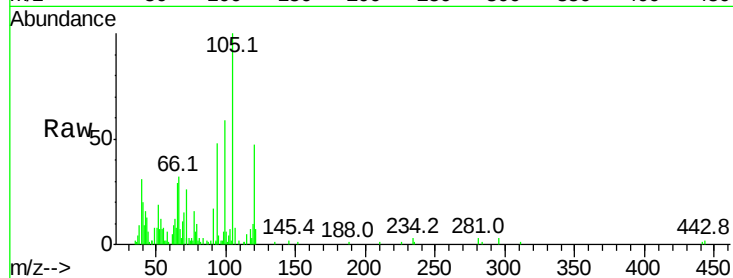
BNA_G

ClientSampleId :

DA8W0

Tot Ion: 94 Resp: 16166

Ion	Ratio	Lower	Upper
94	100		
65	61.0	26.8	40.2#
66	65.6	44.4	66.6



#28

Naphthalene

Concen: 20.13 ng/ul

RT: 11.11 min Scan# 1408

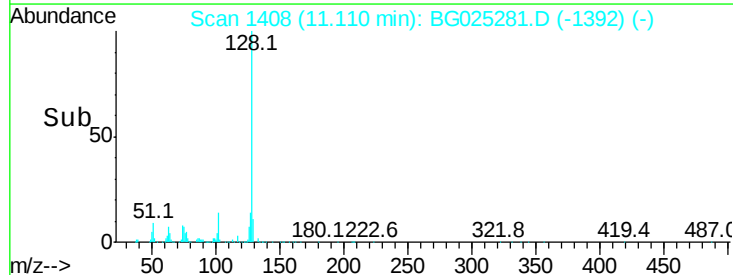
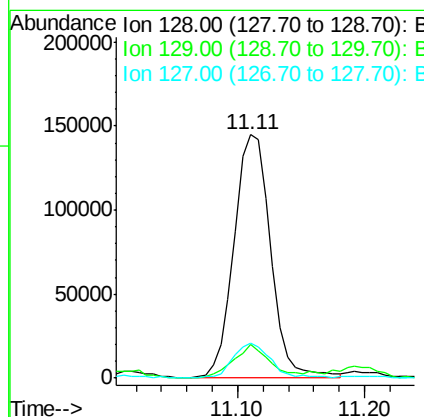
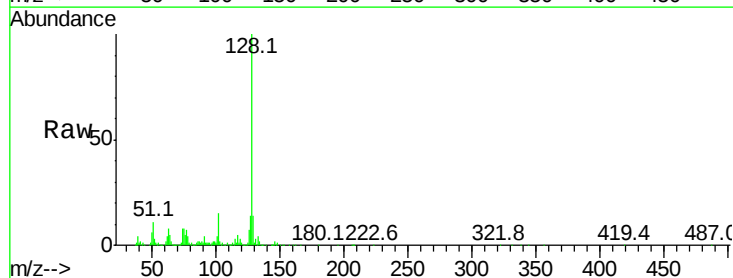
Delta R.T. -0.01 min

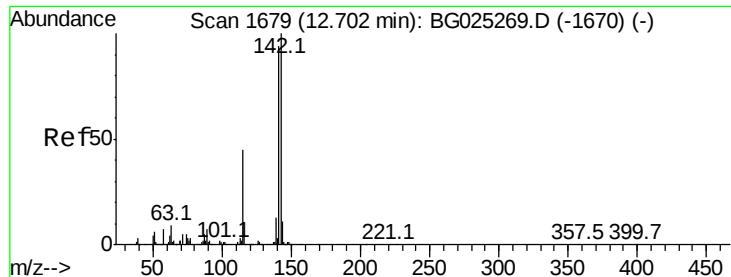
Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Tgt Ion: 128 Resp: 287585

Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.4	14.2
127	14.2	10.3	15.5

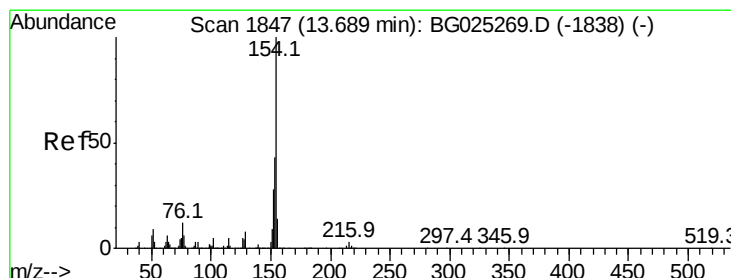
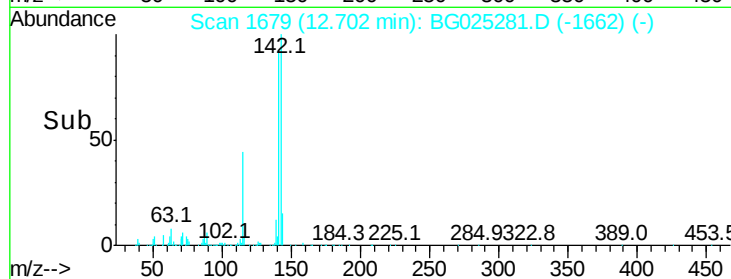
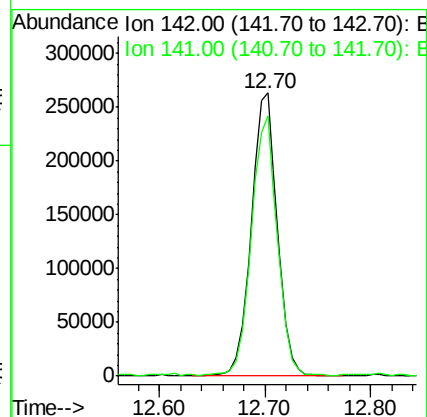
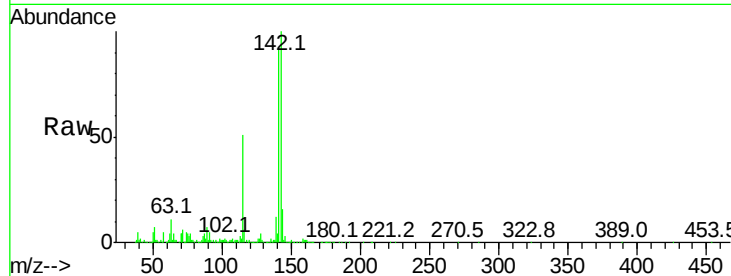




#34
 2-Methylnaphthalene
 Concen: 39.70 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: BG025281.D
 Acq: 17 Dec 2016 19:29

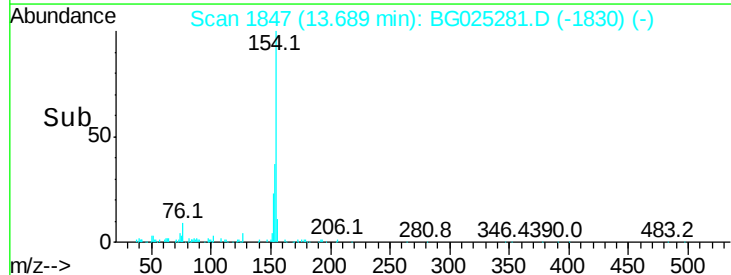
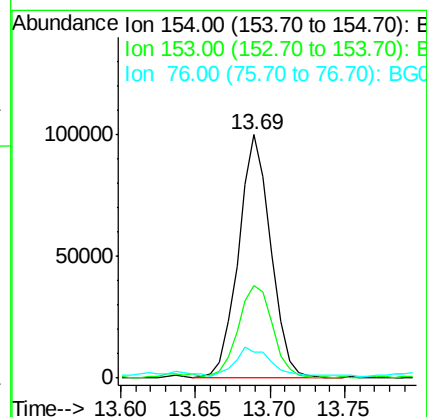
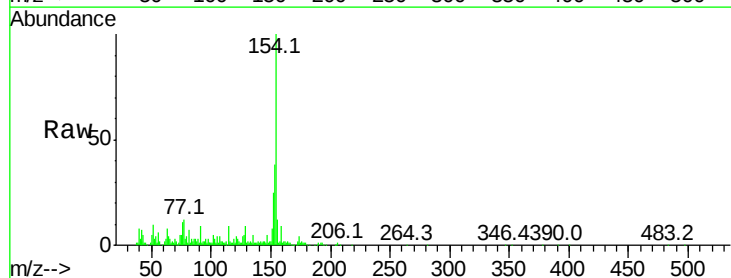
Instrument :
 BNA_G
 ClientSampleId :
 DA8W0

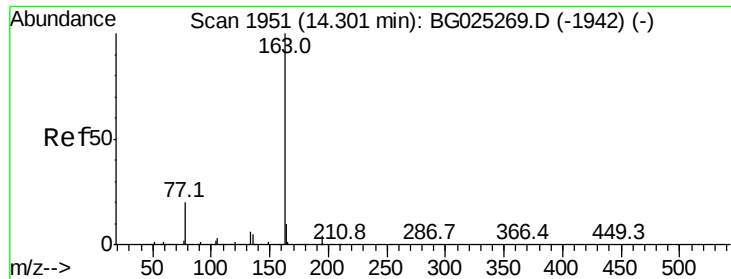
Tot Ion:142 Resp: 447636
 Ion Ratio Lower Upper
 142 100
 141 91.8 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 10.17 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG025281.D
 Acq: 17 Dec 2016 19:29

Tgt Ion:154 Resp: 148848
 Ion Ratio Lower Upper
 154 100
 153 37.9 32.2 48.2
 76 10.6 9.6 14.4





#44

Dimethylphthalate

Concen: 3.53 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

DA8W0

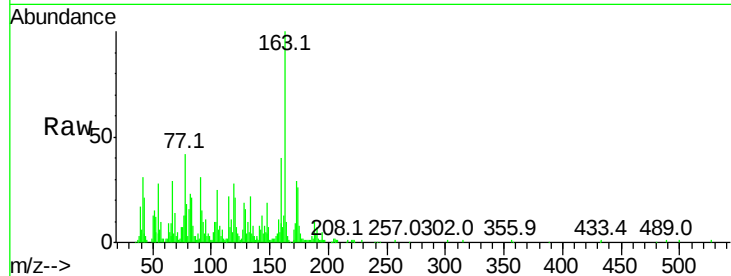
Tot Ion:163 Resp: 57575

Ion Ratio Lower Upper

163 100

194 5.4 3.4 5.0#

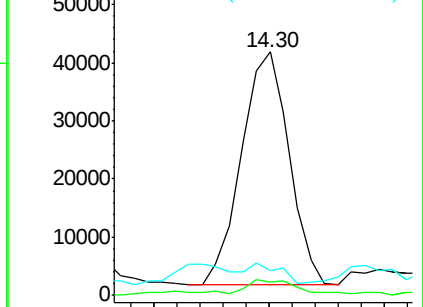
164 10.0 9.0 13.4



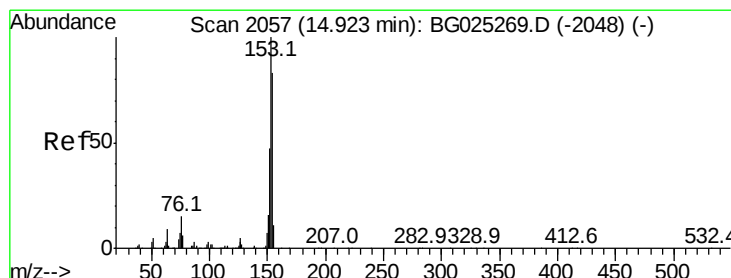
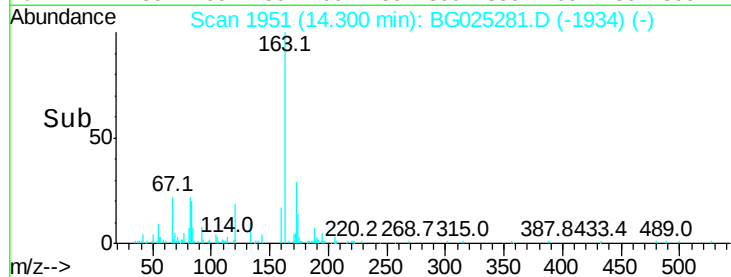
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#49

Acenaphthene

Concen: 5.26 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

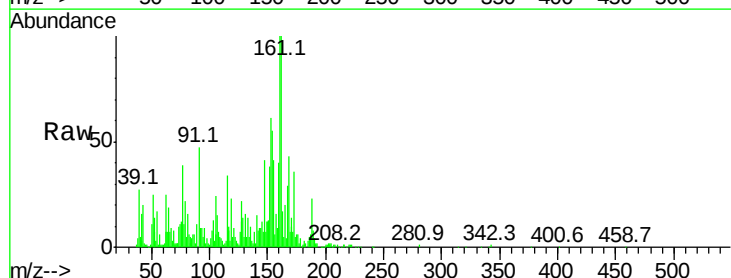
Tgt Ion:153 Resp: 63773

Ion Ratio Lower Upper

153 100

152 61.4 36.5 54.7#

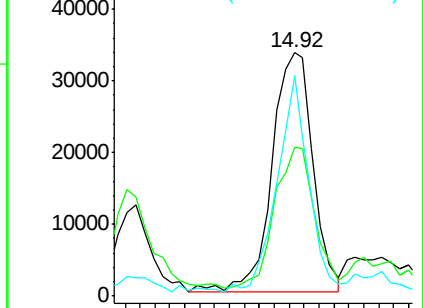
154 90.5 72.3 108.5



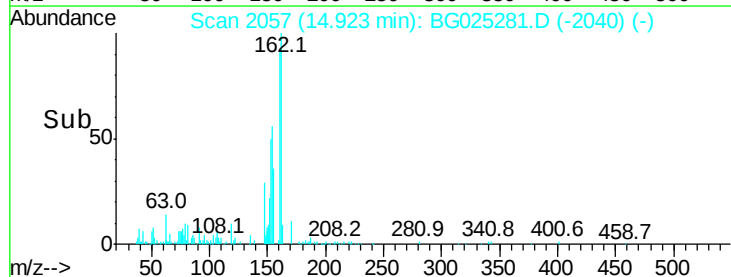
Abundance Ion 153.00 (152.70 to 153.70): E

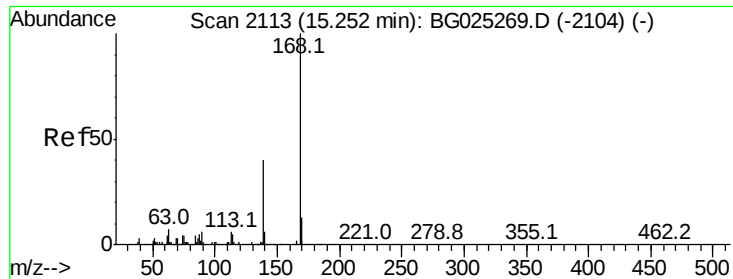
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#53

Dibenzenofuran

Concen: 10.07 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

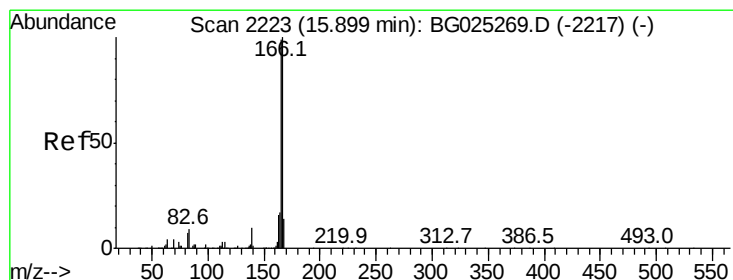
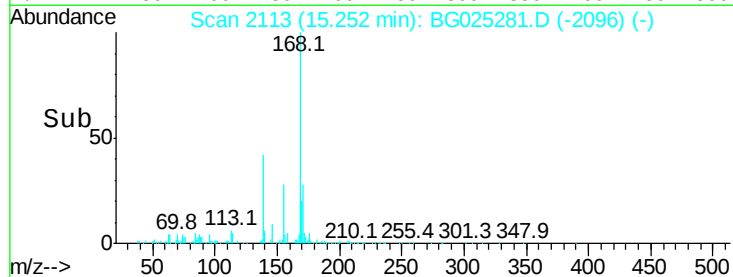
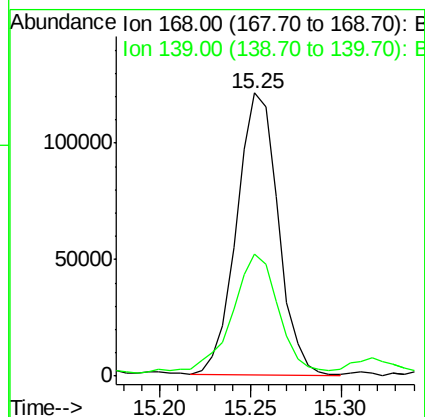
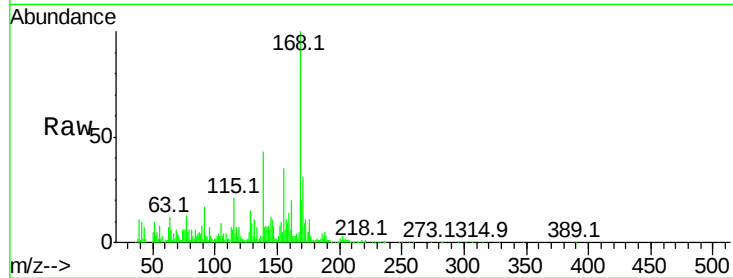
DA8W0

Tot Ion:168 Resp: 193069

Ion Ratio Lower Upper

168 100

139 43.0 33.8 50.8



#58

Fluorene

Concen: 20.31 ng/ul

RT: 15.90 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

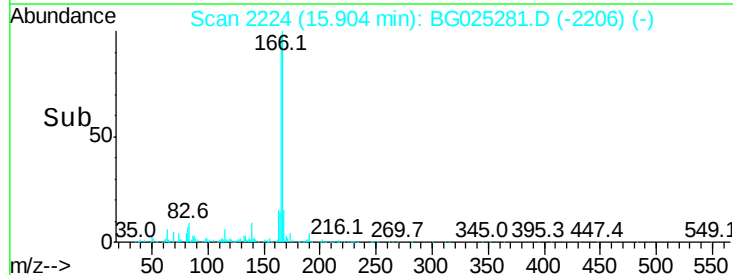
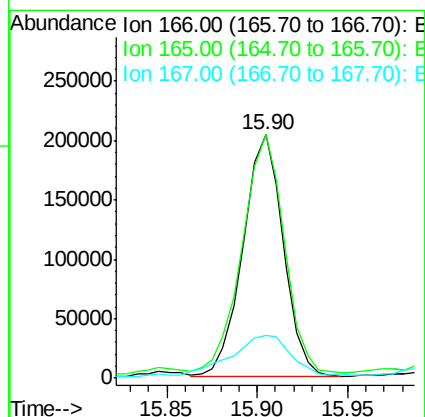
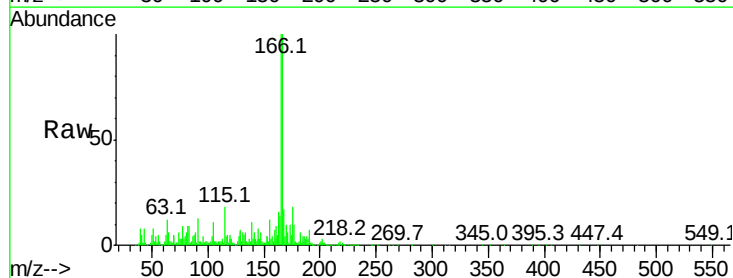
Tgt Ion:166 Resp: 316880

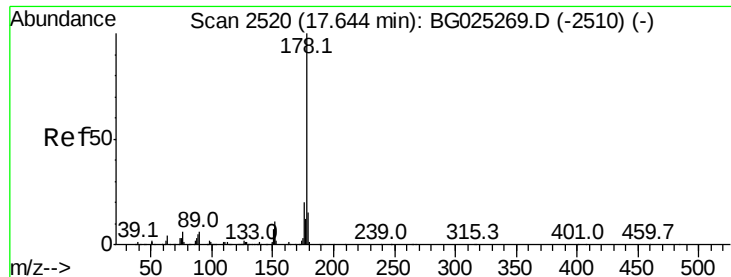
Ion Ratio Lower Upper

166 100

165 99.9 79.7 119.5

167 17.5 11.4 17.2#





#69

Phenanthrene

Concen: 14.56 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

DA8W0

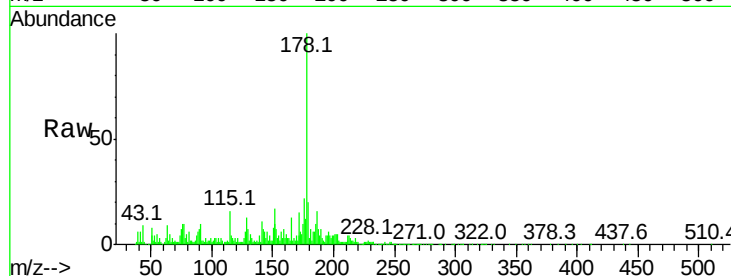
Tot Ion:178 Resp: 346643

Ion Ratio Lower Upper

178 100

179 20.3 12.4 18.6#

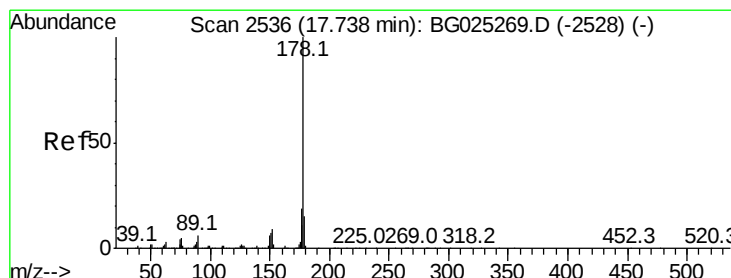
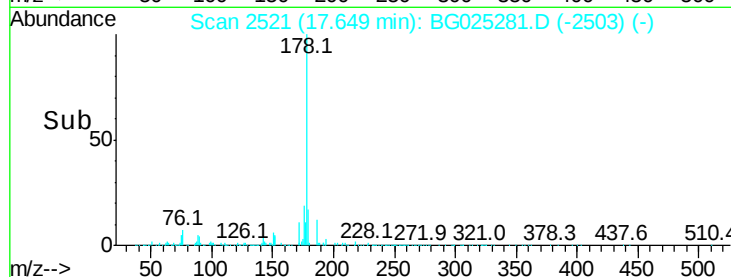
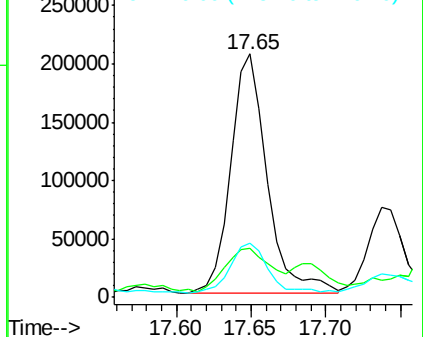
176 22.1 16.5 24.7



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



#71

Anthracene

Concen: 4.53 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

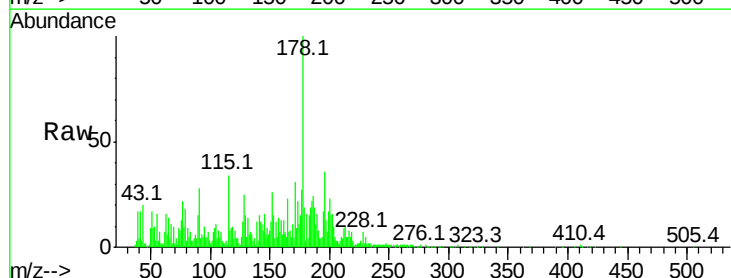
Tgt Ion:178 Resp: 110940

Ion Ratio Lower Upper

178 100

179 19.1 12.6 19.0#

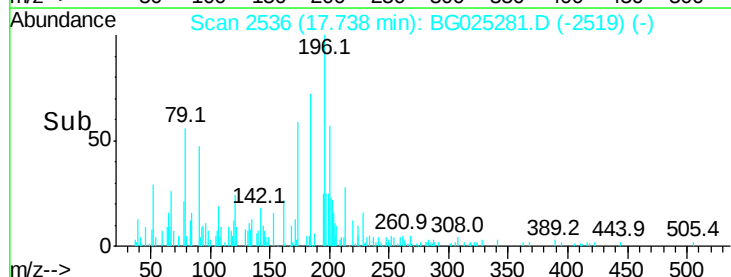
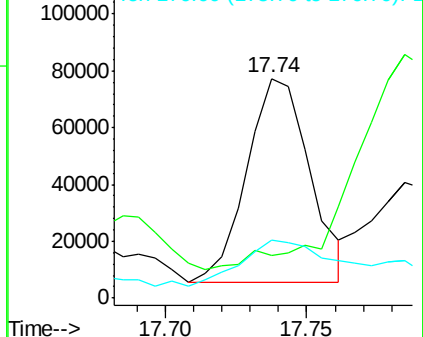
176 26.6 15.9 23.9#

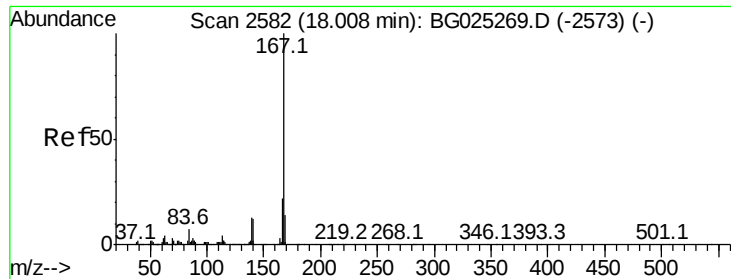


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.09 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

DA8W0

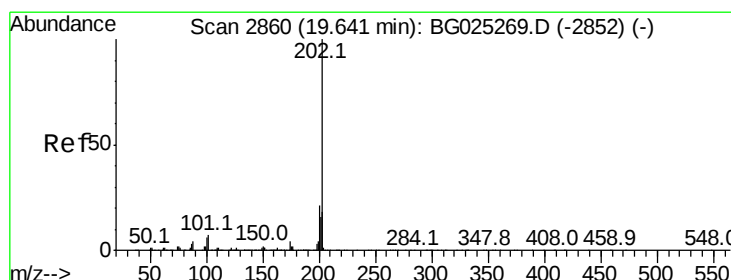
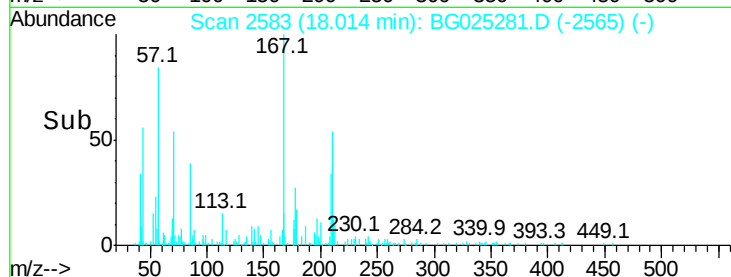
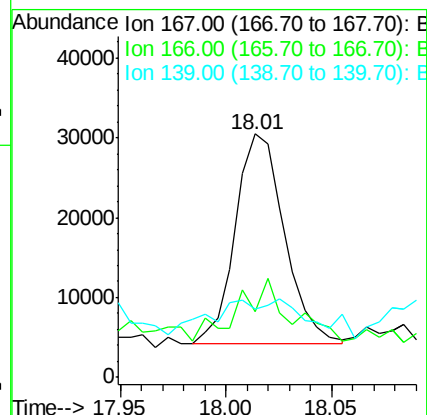
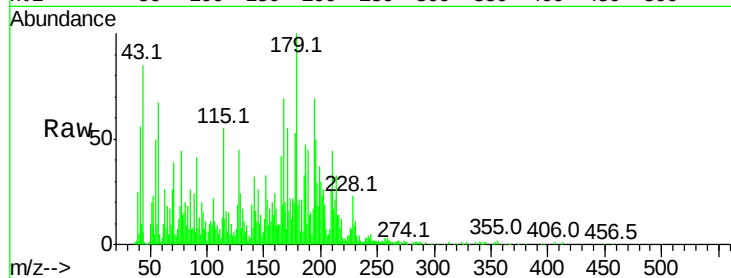
Tot Ion:167 Resp: 42567

Ion Ratio Lower Upper

167 100

166 27.0 17.9 26.9#

139 28.0 10.5 15.7#



#74

Fluoranthene

Concen: 3.32 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

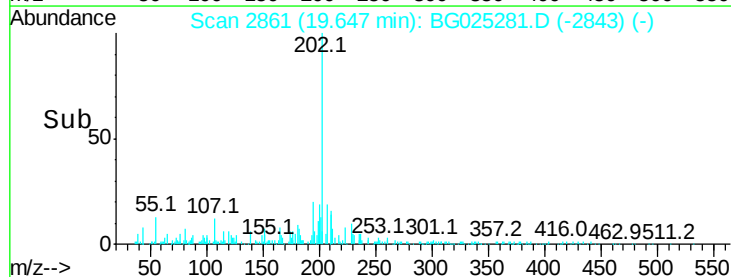
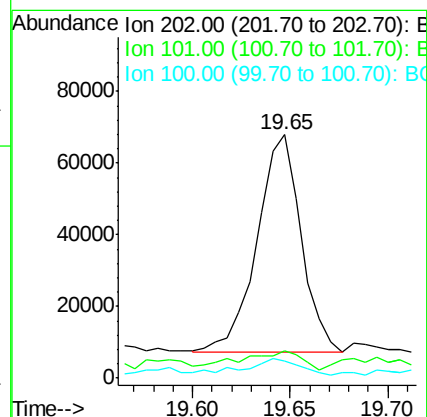
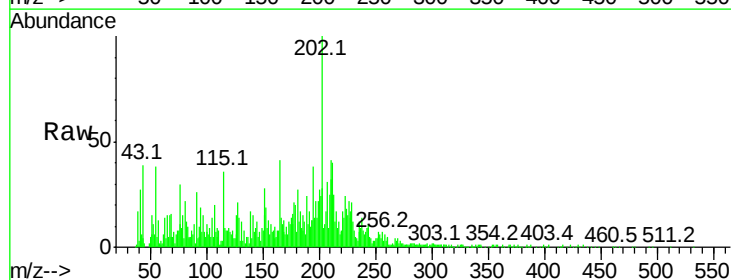
Tgt Ion:202 Resp: 94015

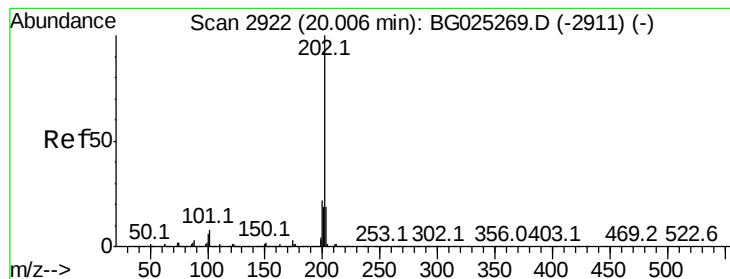
Ion Ratio Lower Upper

202 100

101 11.1 6.2 9.2#

100 6.8 5.2 7.8





#77

Pvrene

Concen: 5.54 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

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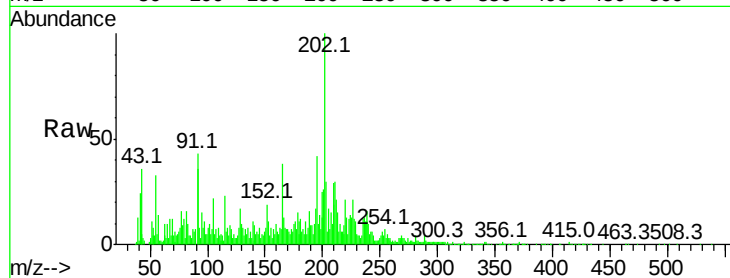
Tot Ion: 202 Resp: 168944

Ion Ratio Lower Upper

202 100

101 9.7 6.9 10.3

100 7.6 6.6 10.0



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

