

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030816.D
 Acq On : 7 Nov 2017 20:25
 Operator : SJ/JU
 Sample : I6004-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 01:12:05 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 08 01:10:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	76255	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	384370	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	254591	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	585943	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	594560	20.00	ng/ul	0.00
83) Perylene-d12	25.09	264	609887	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	6134	3.27	ng/uL	0.00
5) Phenol-d5	7.31	99	129183	17.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	80757	17.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	106638	20.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	84500	14.29	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	59190	21.45	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	71071	25.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	124793	19.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	74827	10.00	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	422286	19.40	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	523895	19.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	53057	13.20	ng/ul	0.00
57) Fluorene-d10	15.76	176	381773	21.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.87	200	60371	21.11	ng/ul	0.00
70) Anthracene-d10	17.61	188	551122	19.89	ng/ul	0.00
76) Pyrene-d10	19.88	212	642813	20.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	605513	20.96	ng/ul	0.00

Target Compounds

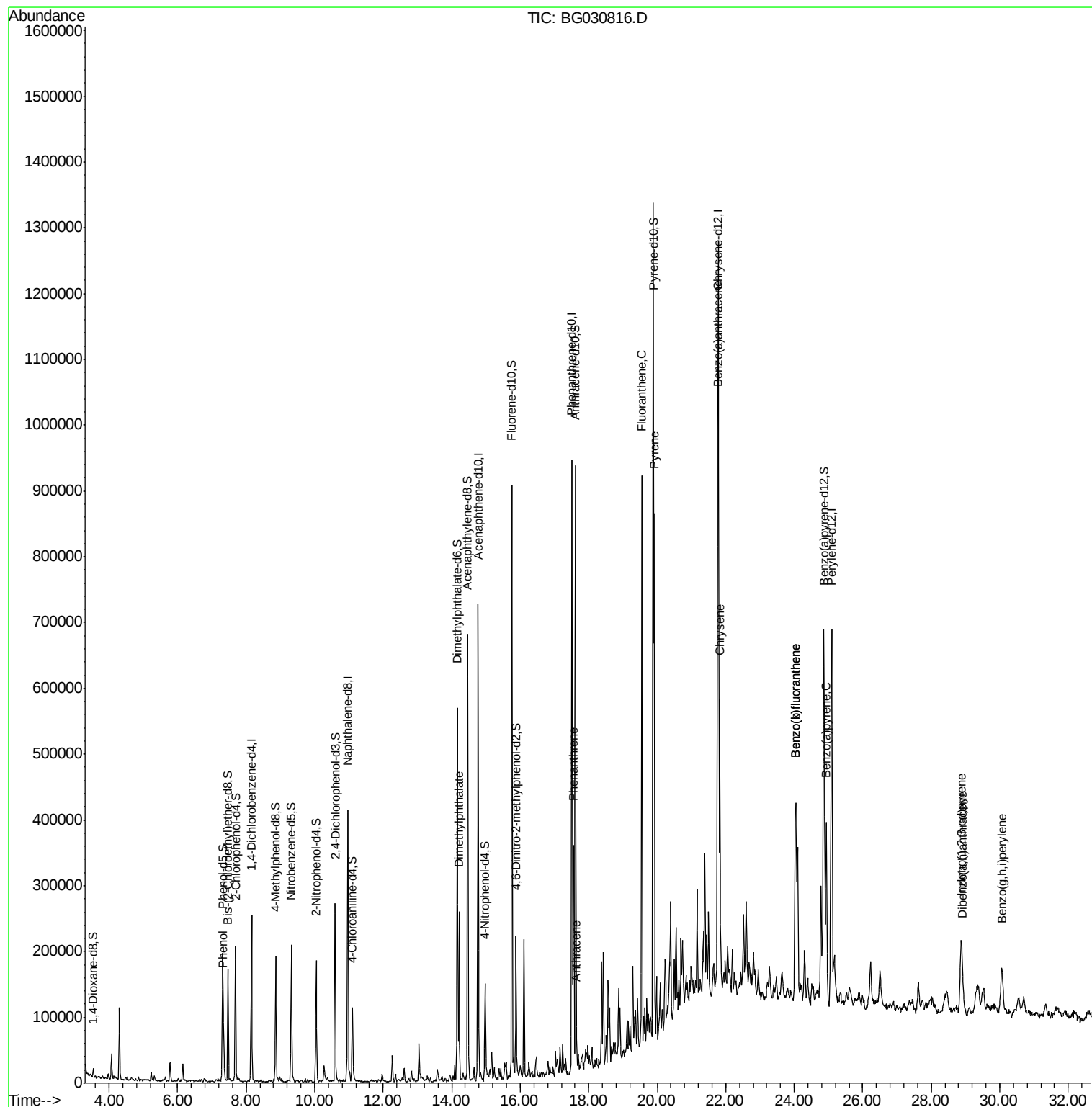
				Ovalue	
6) Phenol	7.34	94	38421	5.073	ng/ul# 88
44) Dimethylphthalate	14.21	163	181867	8.567	ng/ul 99
69) Phenanthrene	17.55	178	217224	6.858	ng/ul 97
71) Anthracene	17.64	178	41541	1.271	ng/ul 97
74) Fluoranthene	19.55	202	556459	15.719	ng/ul 99
77) Pyrene	19.91	202	492943	12.371	ng/ul 99
80) Benzo(a)anthracene	21.76	228	340791	9.146	ng/ul 97
82) Chrysene	21.83	228	334029	9.866	ng/ul 96
85) Benzo(b)fluoranthene	24.04	252	412714	11.272	ng/ul 97
86) Benzo(k)fluoranthene	24.04	252	412714	11.659	ng/ul 98
88) Benzo(a)pyrene	24.93	252	284069	7.971	ng/ul 96
89) Indeno(1,2,3-cd)pyrene	28.88	276	192220	4.767	ng/ul 99
90) Dibenzo(a,h)anthracene	28.92	278	57660	1.721	ng/ul 96
91) Benzo(g,h,i)perylene	30.06	276	150880	4.514	ng/ul 99

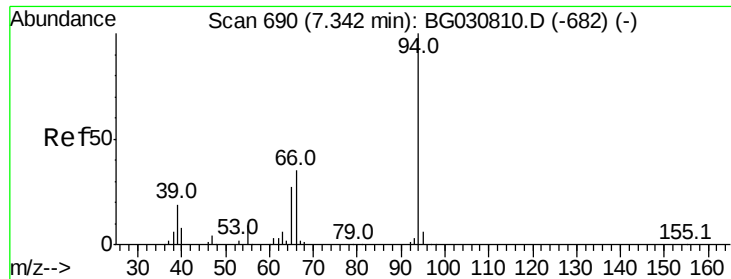
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110717\
Data File : BG030816.D
Acq On : 7 Nov 2017 20:25
Operator : SJ/JU
Sample : I6004-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Nov 08 01:12:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 01:10:22 2017
Response via : Initial Calibration





#6

Phenol

Concen: 5.073 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampleId :

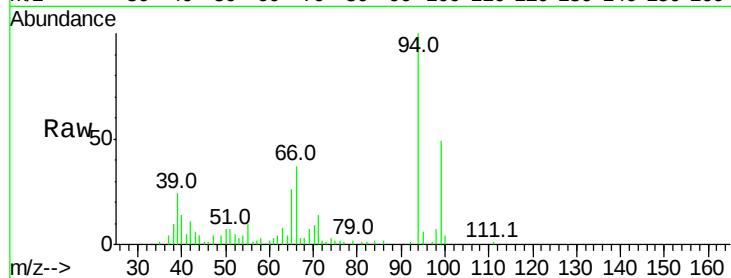
Tot Ion: 94 Resp: 38421

Ion Ratio Lower Upper

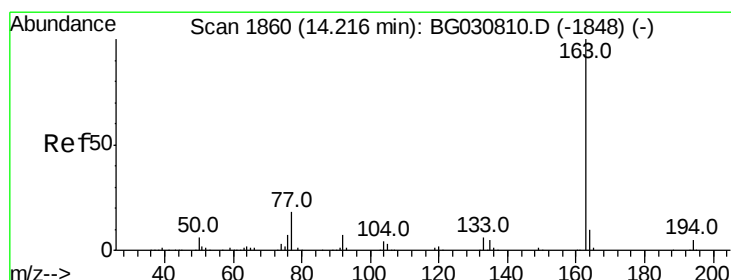
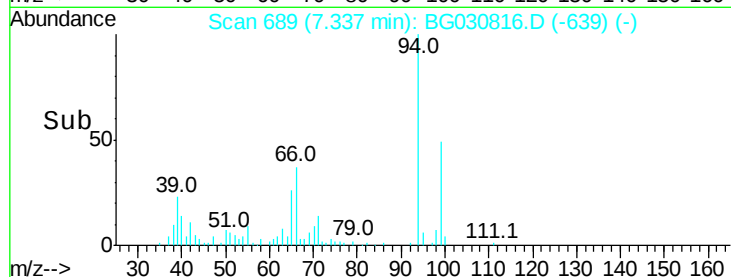
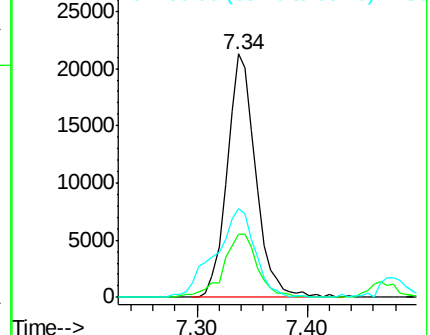
94 100

65 25.8 27.1 40.7#

66 36.6 34.6 52.0



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



#44

Dimethylphthalate

Concen: 8.567 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

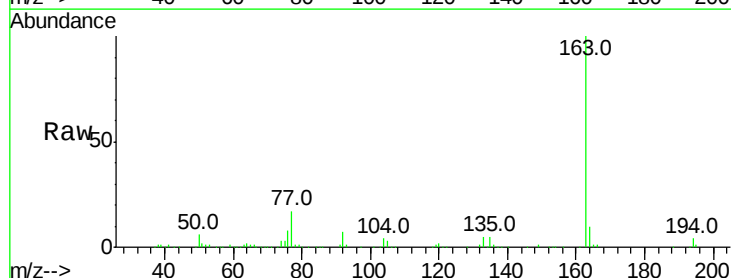
Tgt Ion:163 Resp: 181867

Ion Ratio Lower Upper

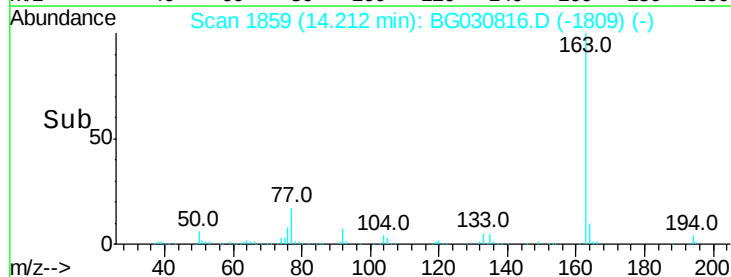
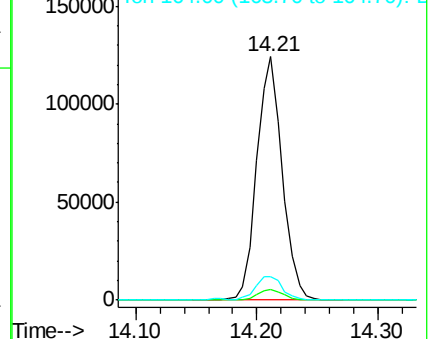
163 100

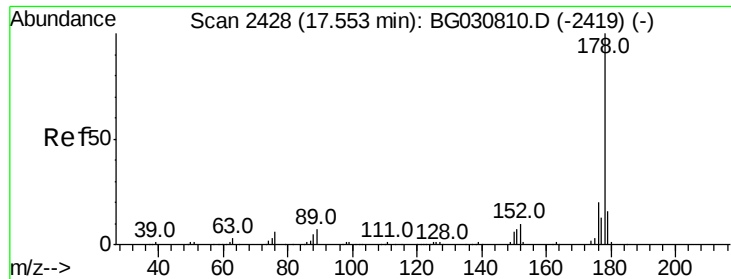
194 4.3 3.5 5.3

164 9.9 7.6 11.4



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





#69

Phenanthrene

Concen: 6.858 ng/ul

RT: 17.55 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampleId :

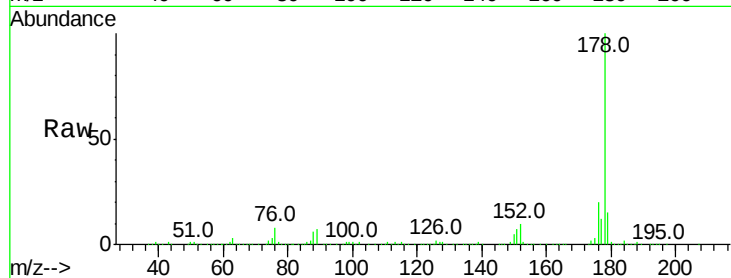
Tot Ion:178 Resp: 217224

Ion Ratio Lower Upper

178 100

179 14.7 13.0 19.6

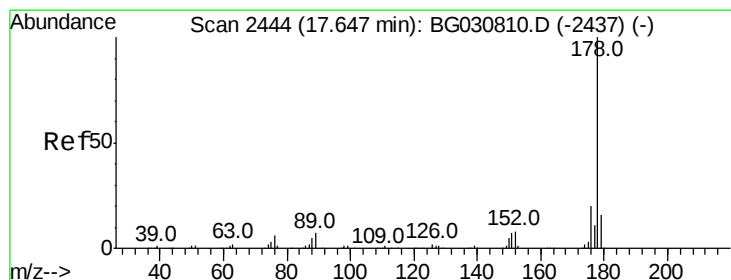
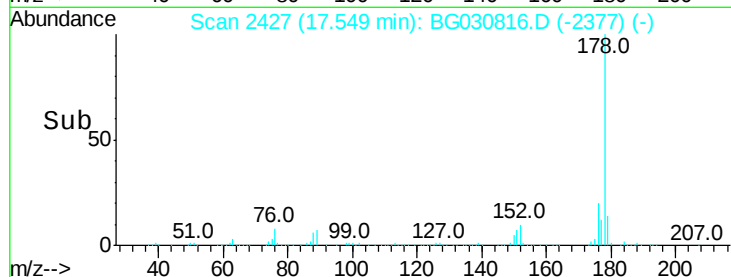
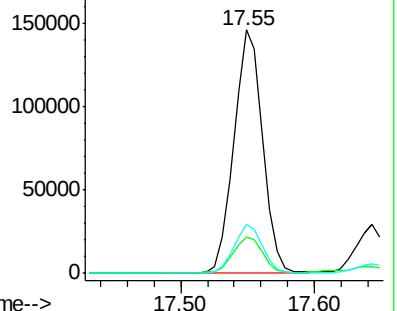
176 19.9 15.3 22.9



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



#71

Anthracene

Concen: 1.271 ng/ul

RT: 17.64 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

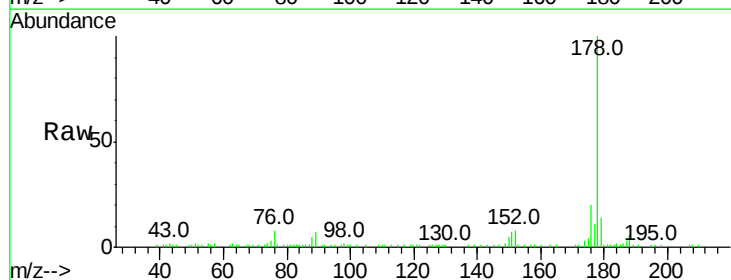
Tgt Ion:178 Resp: 41541

Ion Ratio Lower Upper

178 100

179 13.6 13.2 19.8

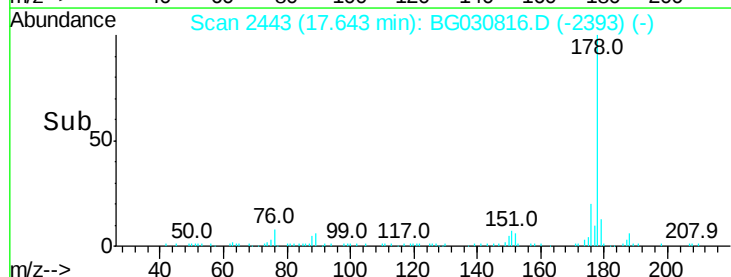
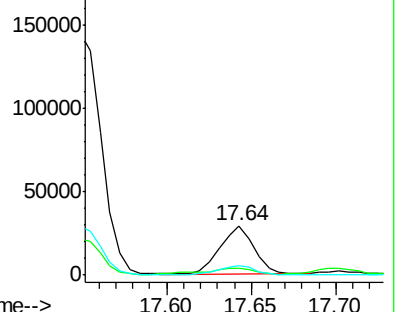
176 20.2 16.0 24.0

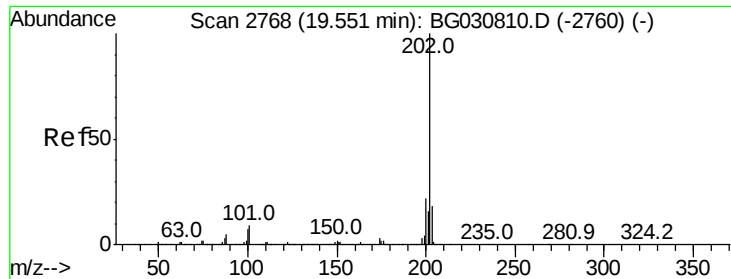


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 15.719 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampled :

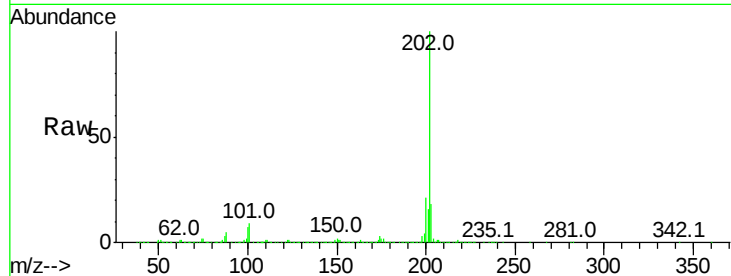
Tot Ion:202 Resp: 556459

Ion Ratio Lower Upper

202 100

101 8.8 7.4 11.2

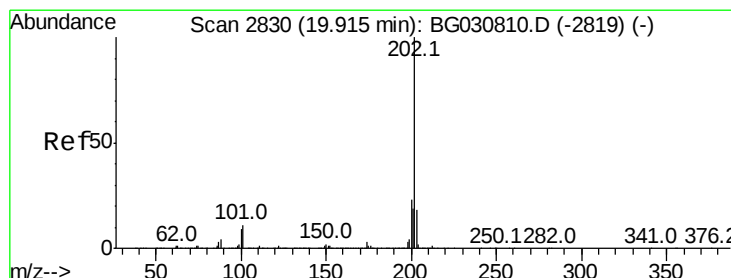
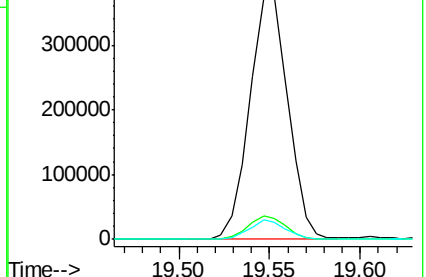
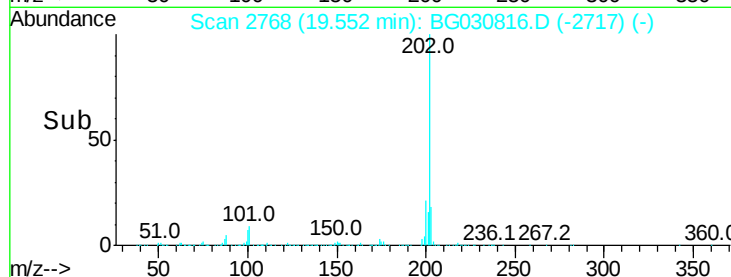
100 7.2 5.6 8.4



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



#77

Pyrene

Concen: 12.371 ng/ul

RT: 19.91 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

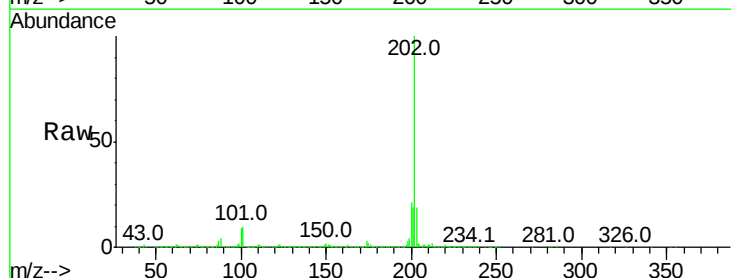
Tgt Ion:202 Resp: 492943

Ion Ratio Lower Upper

202 100

101 10.0 8.4 12.6

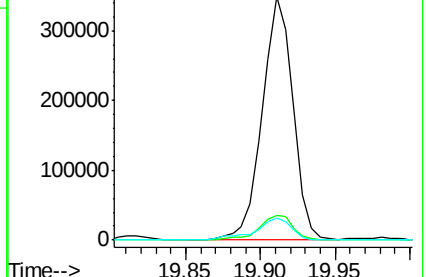
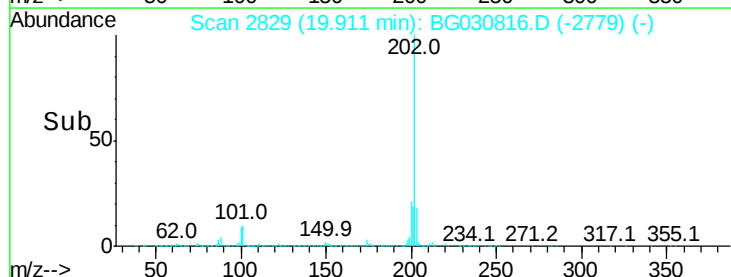
100 9.1 7.0 10.6

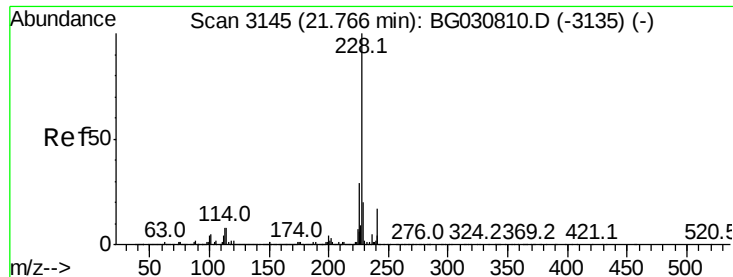


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.146 ng/ul

RT: 21.76 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampleId :

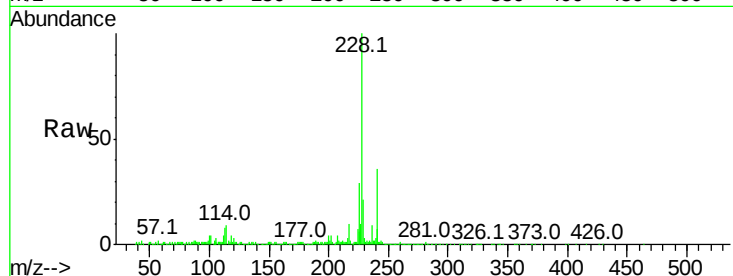
Tot Ion:228 Resp: 340791

Ion Ratio Lower Upper

228 100

229 21.4 16.2 24.4

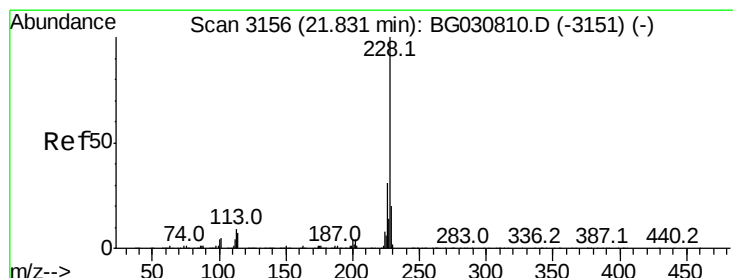
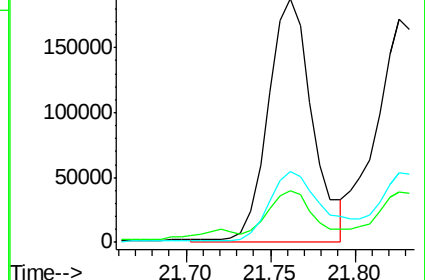
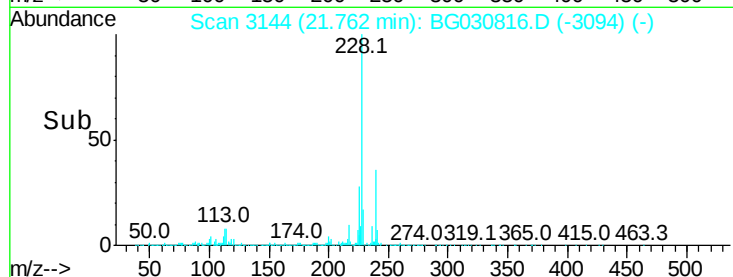
226 29.2 22.2 33.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 9.866 ng/ul

RT: 21.83 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

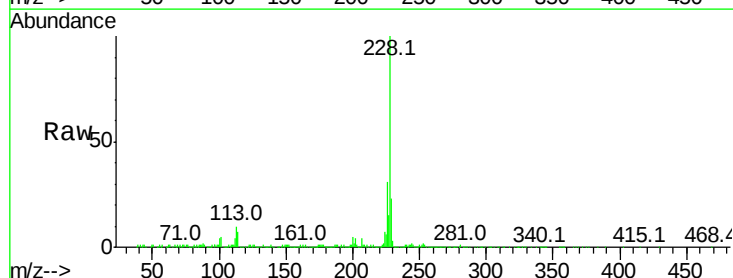
Tgt Ion:228 Resp: 334029

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

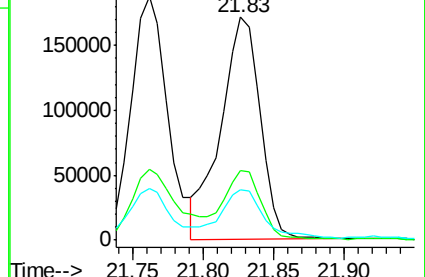
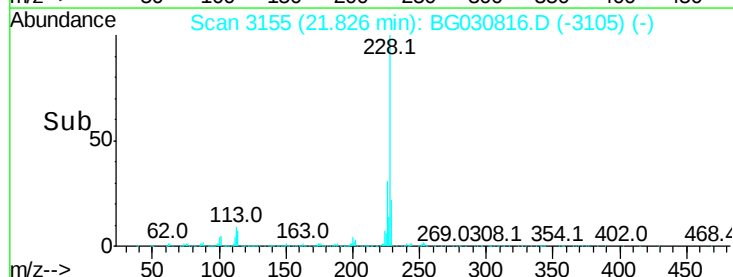
229 22.5 15.2 22.8

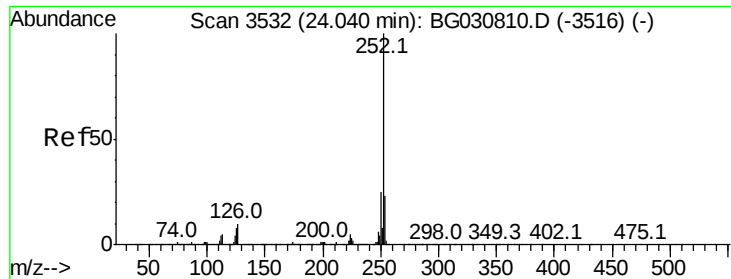


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 11.272 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampleId :

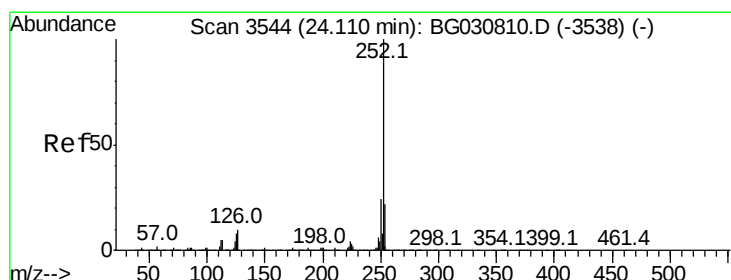
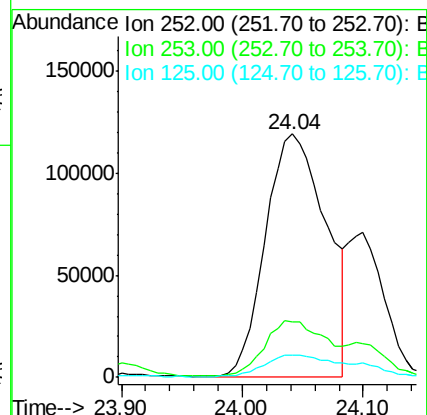
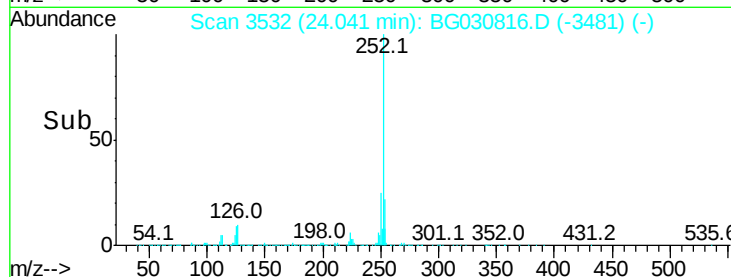
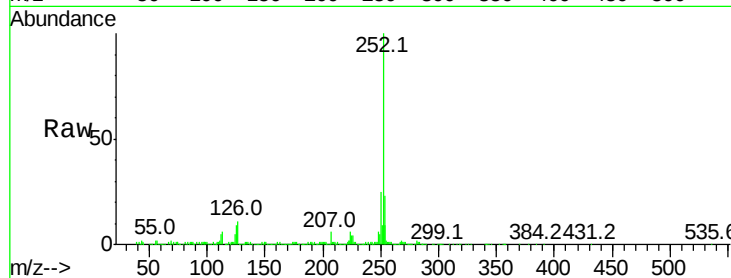
Tot Ion:252 Resp: 412714

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 9.2 7.5 11.3



#86

Benzo(k)fluoranthene

Concen: 11.659 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. -0.07 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

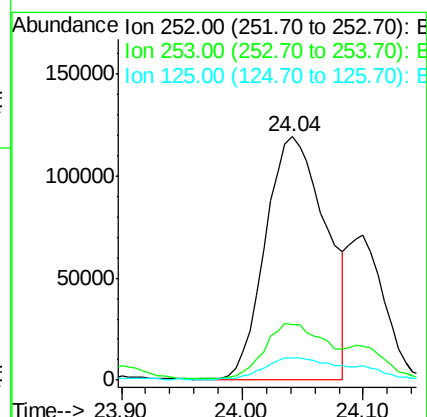
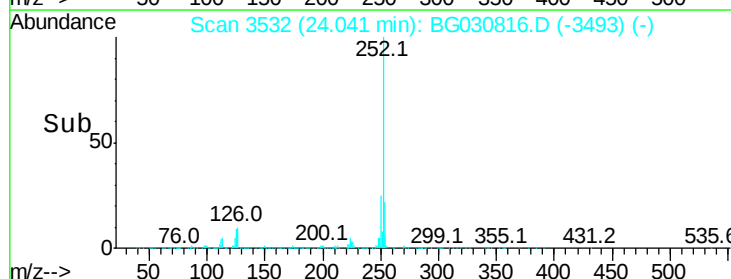
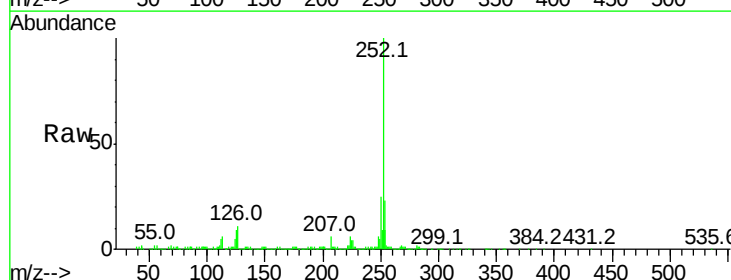
Tgt Ion:252 Resp: 412714

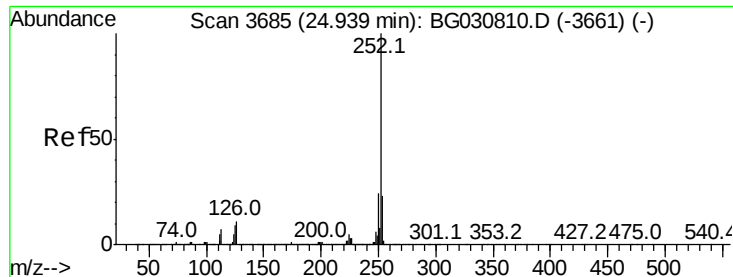
Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 9.2 7.8 11.8





#88

Benzo(a)pyrene

Concen: 7.971 ng/ul

RT: 24.93 min Scan# 3684

Delta R.T. -0.00 min

Lab File: BG030816.D

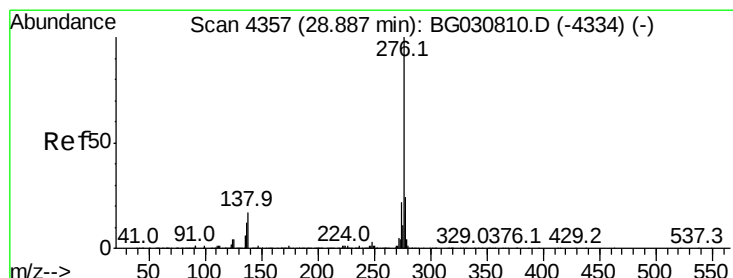
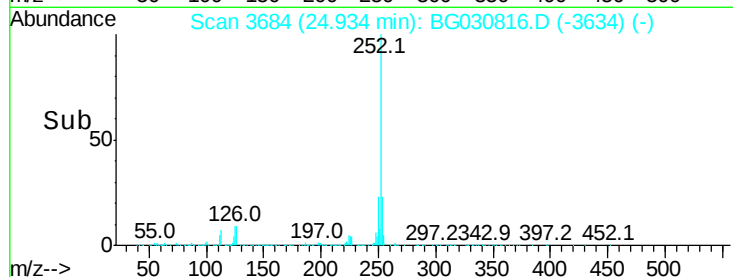
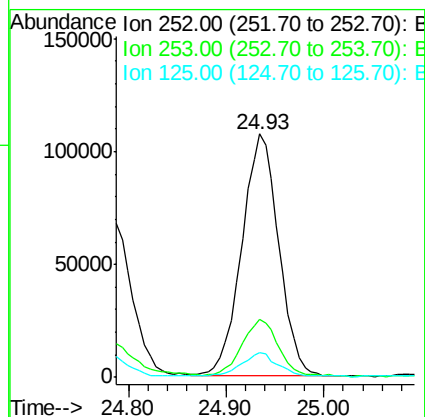
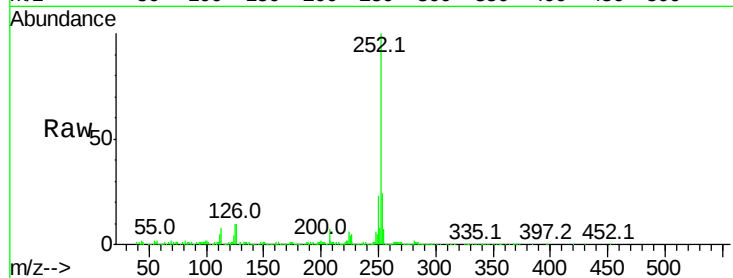
Acq: 7 Nov 2017 20:25

Instrument :

BNA_G

ClientSampled :

Tot Ion:	252	Resp:	284069
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.1	7.8	11.8



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.767 ng/ul

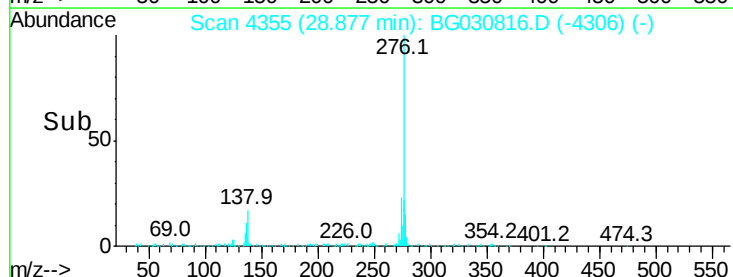
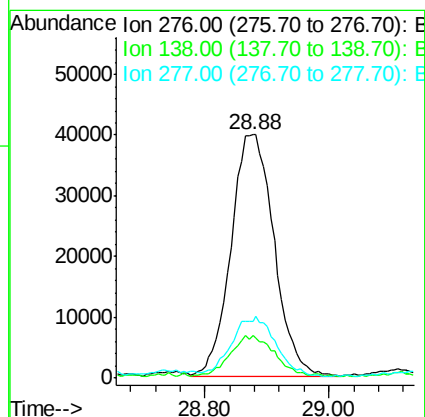
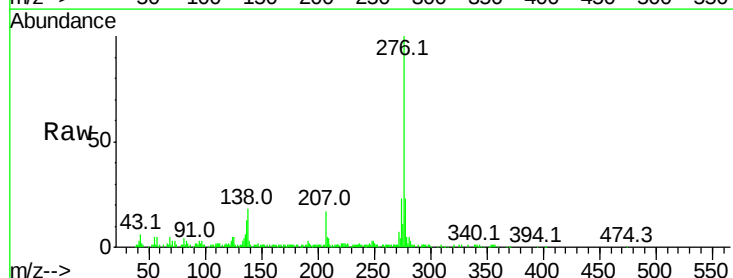
RT: 28.88 min Scan# 4355

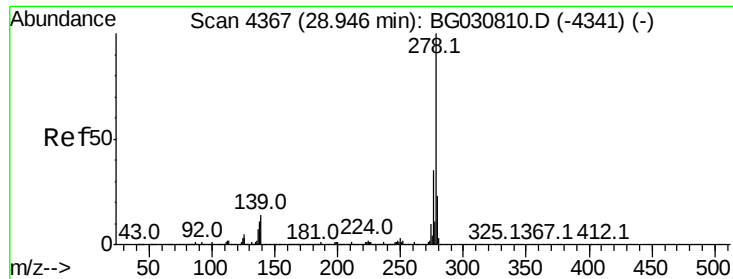
Delta R.T. -0.01 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Tgt Ion:	276	Resp:	192220
Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.4	20.0
277	23.4	18.6	28.0





#90

Dibenzo(a,h)anthracene

Concen: 1.721 ng/ul

RT: 28.92 min Scan# 4362

Delta R.T. -0.03 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

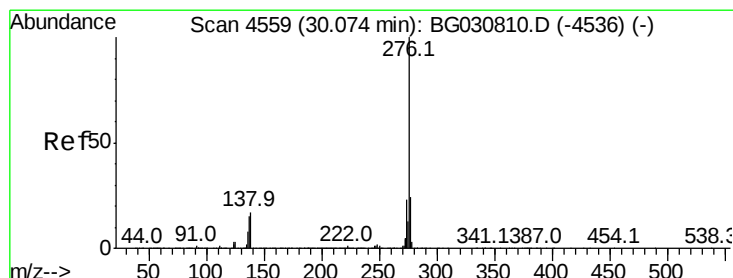
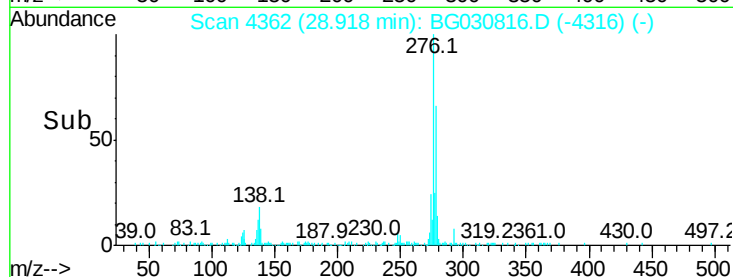
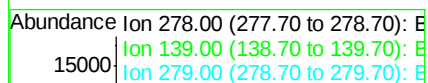
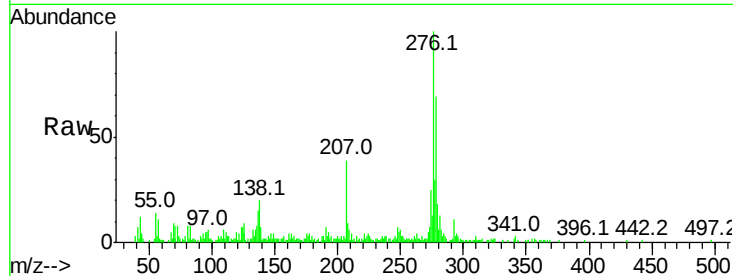
Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 57660

Ion	Ratio	Lower	Upper
278	100		
139	10.8	9.4	14.2
279	25.5	18.4	27.6



#91

Benzo(g,h,i)perylene

Concen: 4.514 ng/ul

RT: 30.06 min Scan# 4557

Delta R.T. -0.01 min

Lab File: BG030816.D

Acq: 7 Nov 2017 20:25

Tgt Ion:276 Resp: 150880

Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.1	18.1
277	21.2	17.7	26.5

