

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023635.D
 Acq On : 11 Aug 2016 23:27
 Operator : UM/SJ
 Sample : H4360-16 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-1218-01

Quant Time: Aug 12 04:36:40 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	157550	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	722523	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.78	164	486894	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	1084054	20.00	ng/ul	-0.02
75) Chrysene-d12	21.87	240	1083374	20.00	ng/ul	0.00
83) Perylene-d12	25.26	264	1116839	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	347	0.09	ng/uL	0.00
5) Phenol-d5	7.27	99	7994	0.50	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	11403	1.12	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	10580	0.98	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	4374	0.35	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	5556	0.98	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	7000	1.07	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.64	165	795	0.06	ng/ul	0.05
29) 4-Chloroaniline-d4	11.10	131	717	0.05	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	45464	1.14	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	52890	1.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	282	0.04	ng/ul	-0.05
57) Fluorene-d10	15.78	176	42956	1.17	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.93	200	563	0.08	ng/ul	0.01
70) Anthracene-d10	17.64	188	65777	1.35	ng/ul	-0.02
76) Pyrene-d10	19.94	212	65321	1.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	61689	1.22	ng/ul	-0.02

Target Compounds

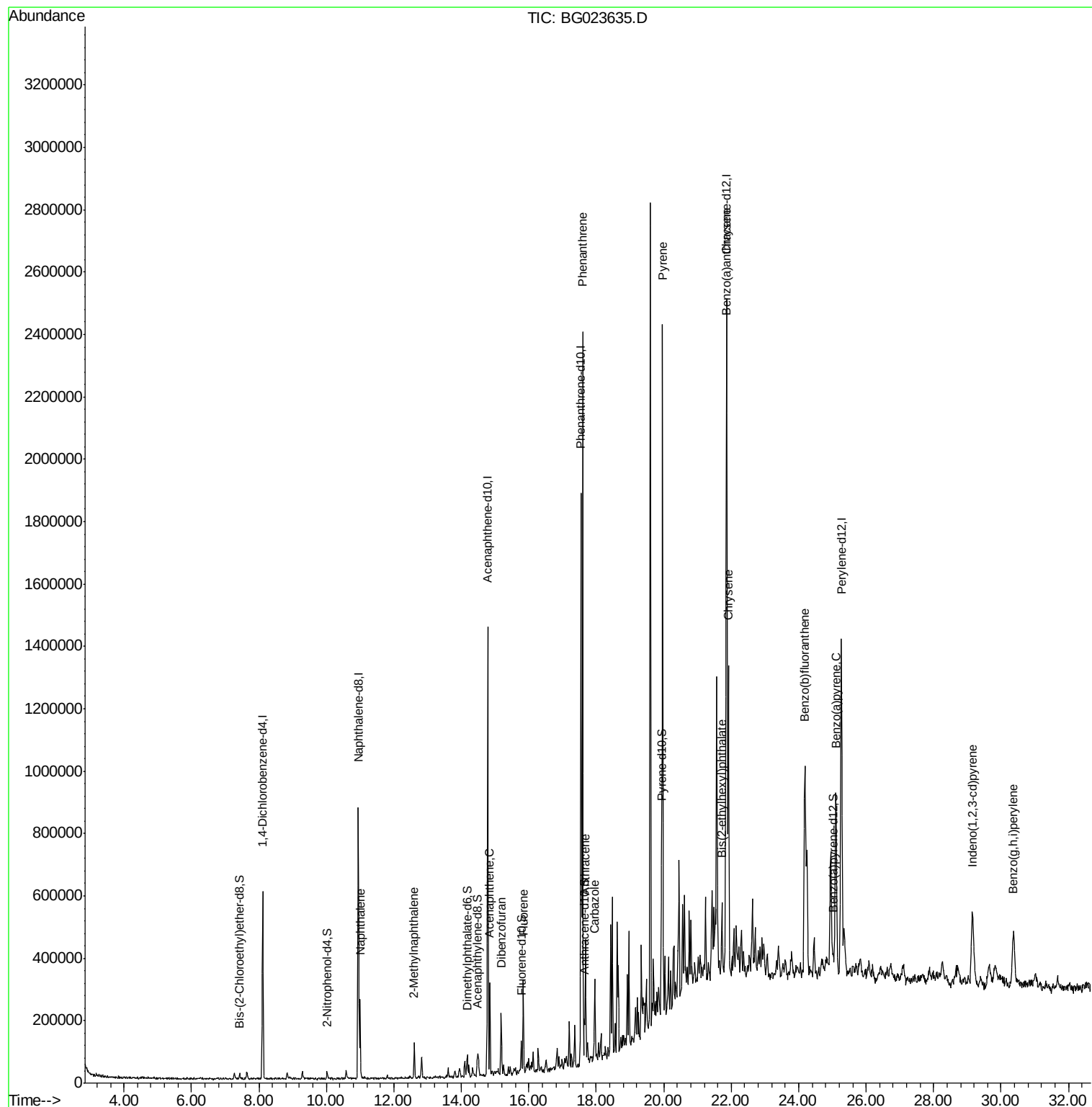
						Qvalue
28) Naphthalene	10.99	128	209374	5.71	ng/ul	99
34) 2-Methylnaphthalene	12.60	142	52687	1.77	ng/ul	90
49) Acenaphthene	14.85	153	120339	3.76	ng/ul	98
53) Dibenzofuran	15.18	168	121887	2.57	ng/ul	94
58) Fluorene	15.84	166	142412	3.61	ng/ul	89
69) Phenanthrene	17.59	178	1445119	25.74	ng/ul	96
71) Anthracene	17.68	178	265592	4.64	ng/ul	97
72) Carbazole	17.96	167	163861	3.55	ng/ul	99
77) Pyrene	19.97	202	1409378	21.04	ng/ul#	92
80) Benzo(a)anthracene	21.85	228	739550	12.12	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	73323	2.15	ng/ul#	92
82) Chrysene	21.92	228	756288	13.63	ng/ul	96
85) Benzo(b)fluoranthene	24.18	252	850543	13.39	ng/ul#	94
88) Benzo(a)pyrene	25.11	252	626032	10.21	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.15	276	413962	5.74	ng/ul#	91
91) Benzo(g,h,i)perylene	30.36	276	170329	2.85	ng/ul#	88

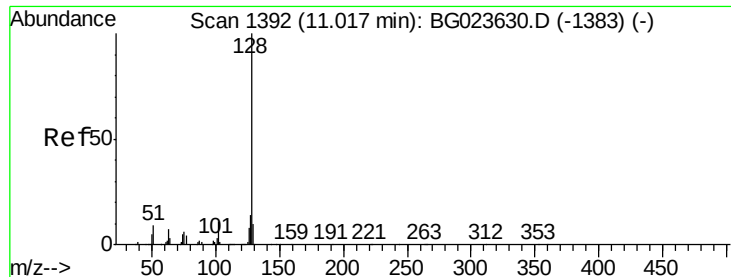
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 5.71 ng/ul

RT: 10.99 min Scan# 1388

Delta R.T. -0.02 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

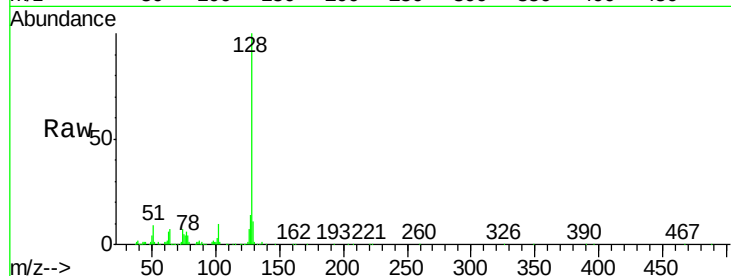
Tgt Ion:128 Resp: 209374

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

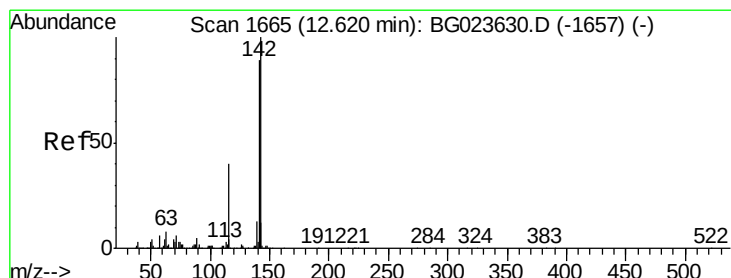
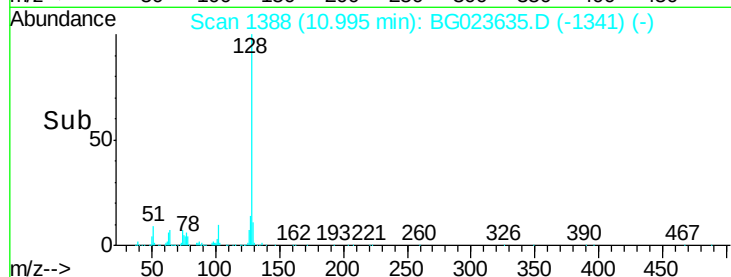
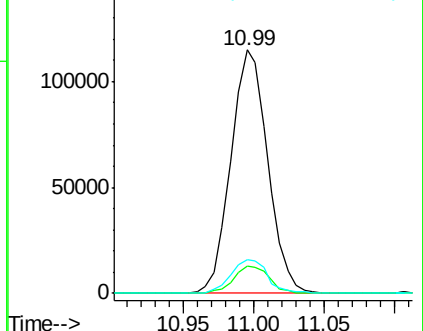
127 14.1 11.2 16.8



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



#34

2-Methylnaphthalene

Concen: 1.77 ng/ul

RT: 12.60 min Scan# 1662

Delta R.T. -0.02 min

Lab File: BG023635.D

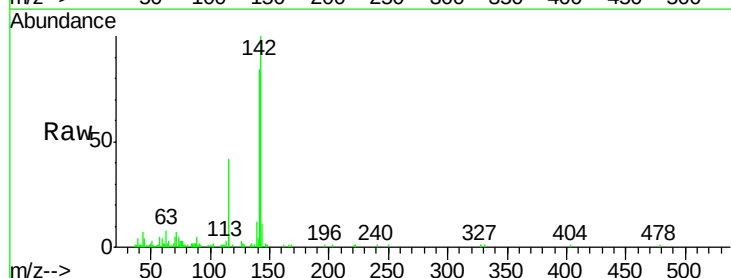
Acq: 11 Aug 2016 23:27

Tgt Ion:142 Resp: 52687

Ion Ratio Lower Upper

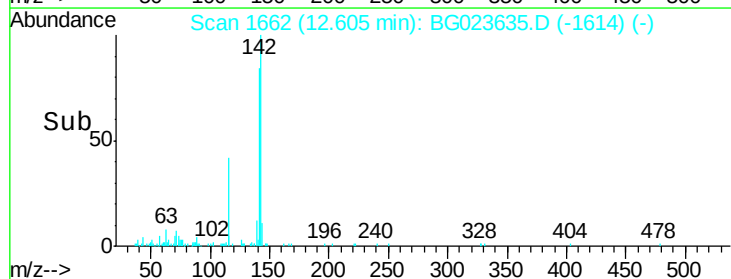
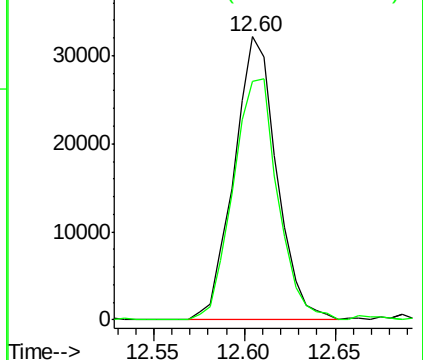
142 100

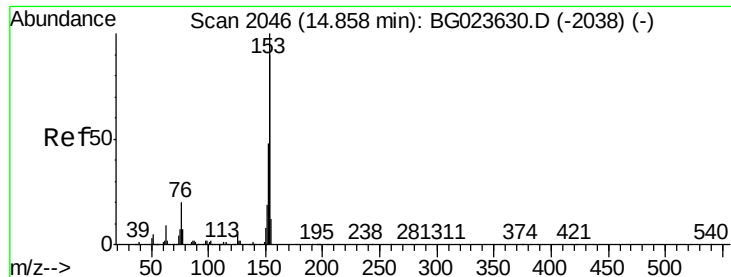
141 84.2 75.2 112.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 3.76 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

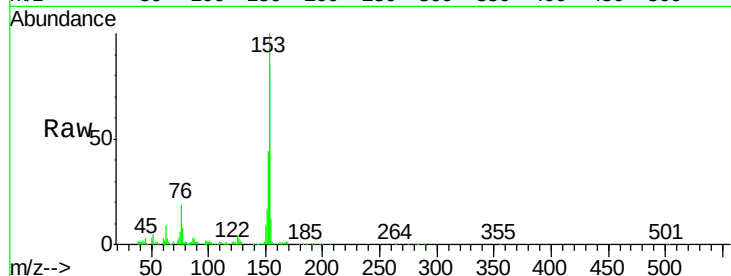
Tgt Ion:153 Resp: 120339

Ion Ratio Lower Upper

153 100

152 43.8 37.3 55.9

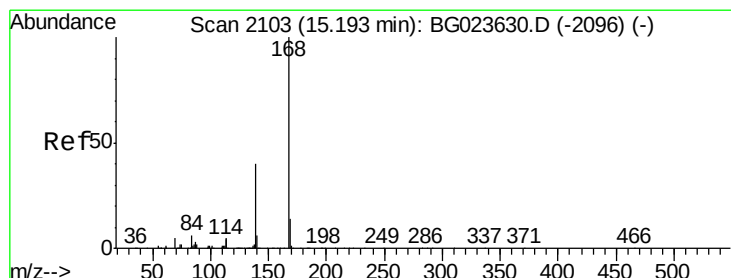
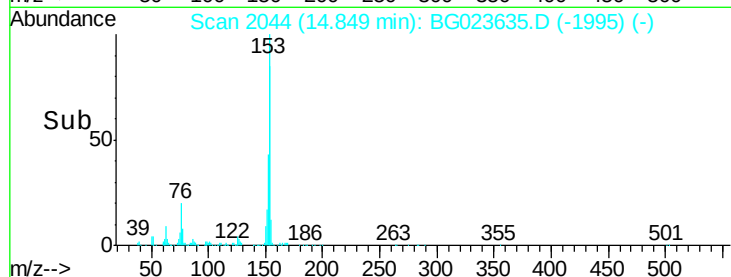
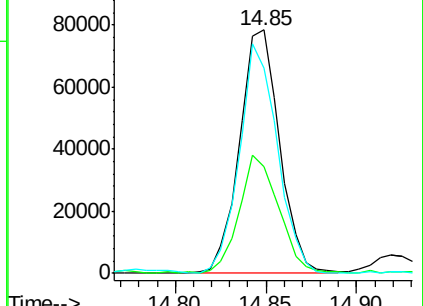
154 84.4 68.2 102.2



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



#53

Dibenzofuran

Concen: 2.57 ng/ul

RT: 15.18 min Scan# 2101

Delta R.T. -0.01 min

Lab File: BG023635.D

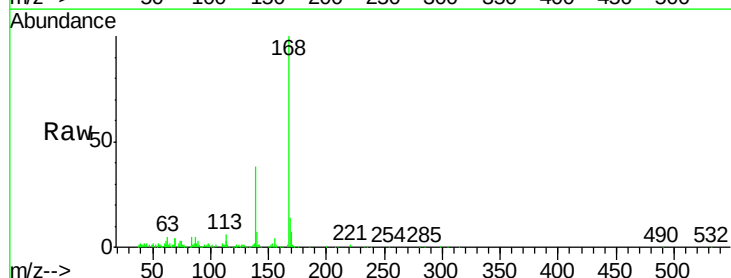
Acq: 11 Aug 2016 23:27

Tgt Ion:168 Resp: 121887

Ion Ratio Lower Upper

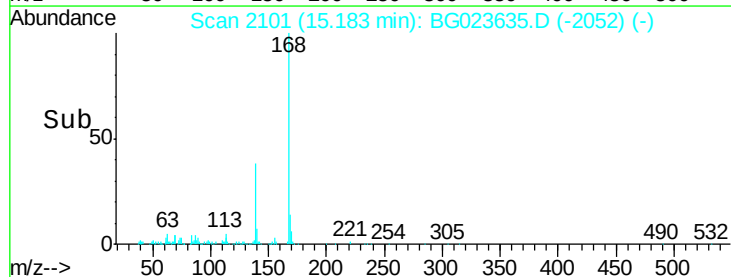
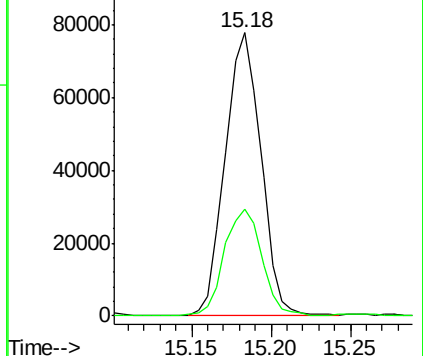
168 100

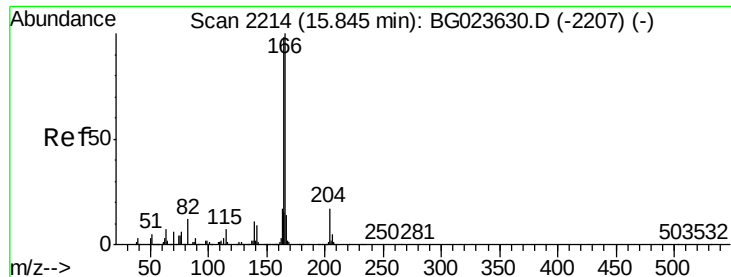
139 37.7 27.4 41.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.61 ng/ul

RT: 15.84 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

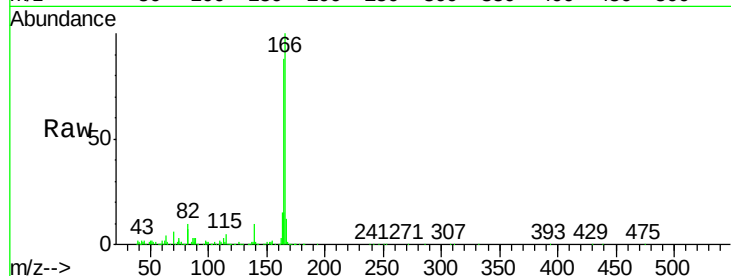
Tgt Ion:166 Resp: 142412

Ion Ratio Lower Upper

166 100

165 88.2 80.3 120.5

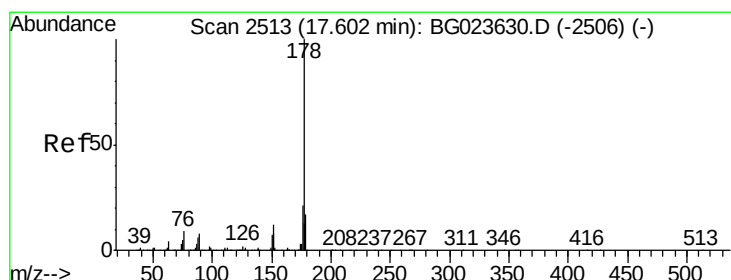
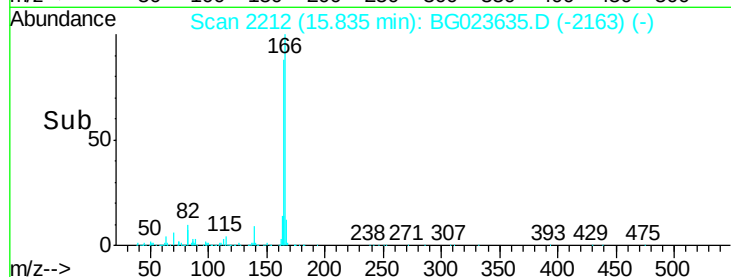
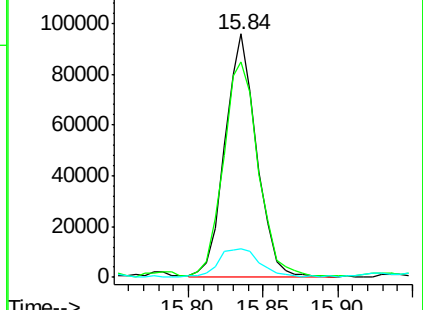
167 12.0 10.3 15.5



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

Phenanthrene

Concen: 25.74 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

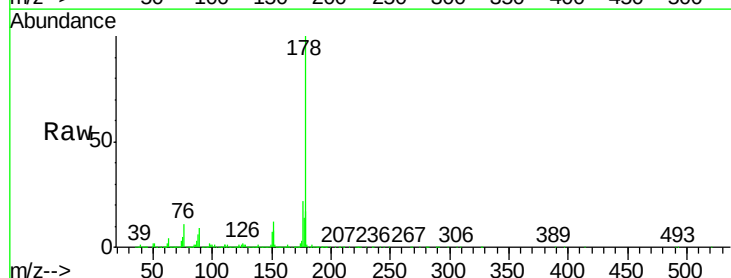
Tgt Ion:178 Resp: 1445119

Ion Ratio Lower Upper

178 100

179 17.4 12.9 19.3

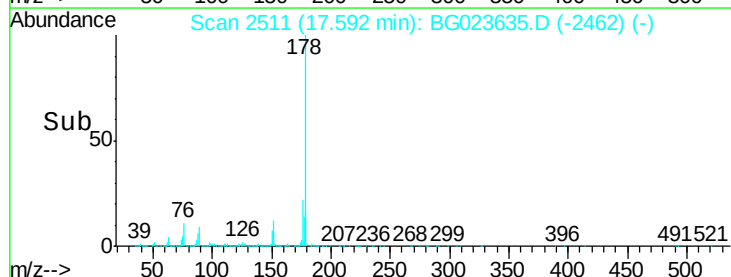
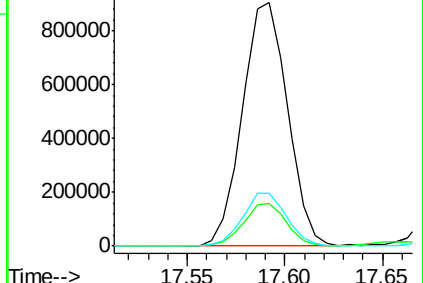
176 21.7 15.8 23.8

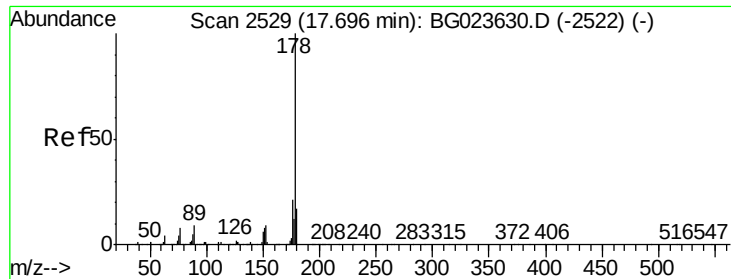


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

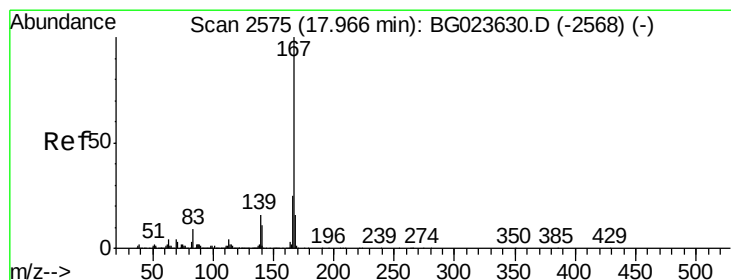
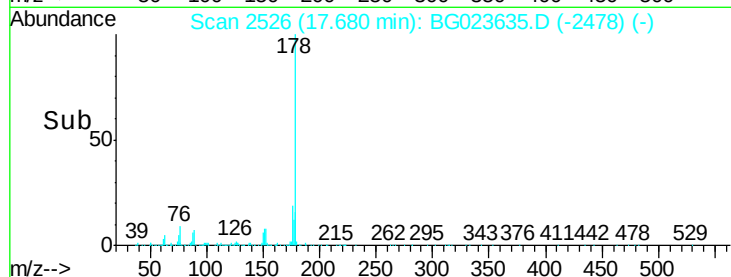
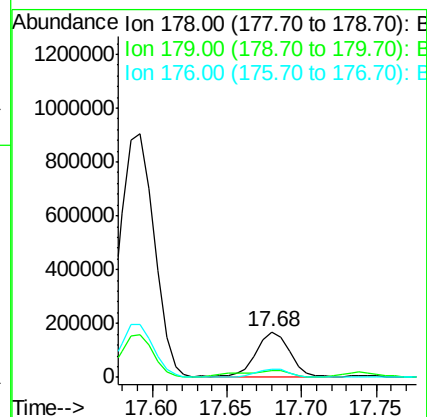
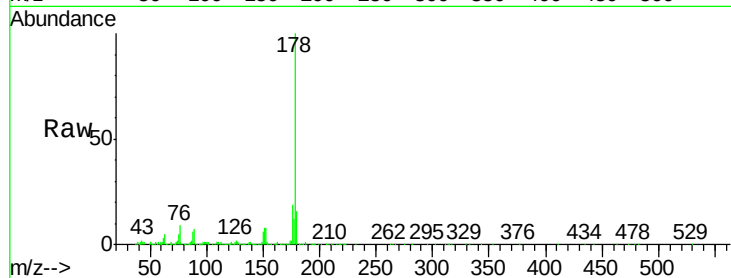




#71
 Anthracene
 Concen: 4.64 ng/ul
 RT: 17.68 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BG023635.D
 Acq: 11 Aug 2016 23:27

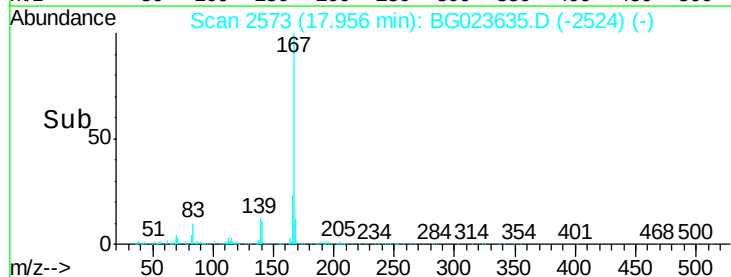
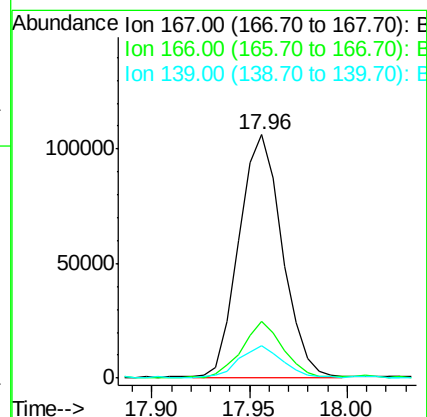
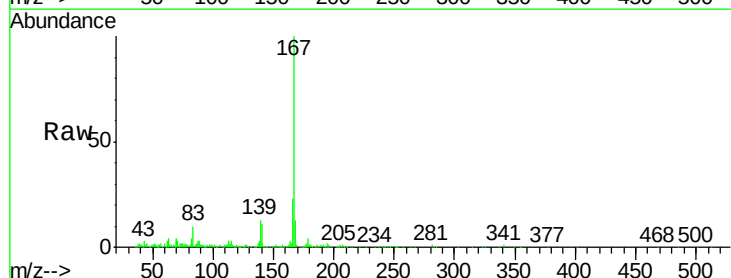
Instrument :
 BNA_G
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 PR001-SS003-1218-01

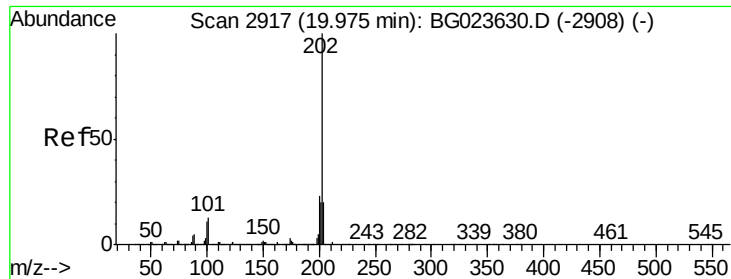
Tgt Ion:178 Resp: 265592
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.3 18.5
 176 18.8 16.3 24.5



#72
 Carbazole
 Concen: 3.55 ng/ul
 RT: 17.96 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BG023635.D
 Acq: 11 Aug 2016 23:27

Tgt Ion:167 Resp: 163861
 Ion Ratio Lower Upper
 167 100
 166 23.4 19.2 28.8
 139 13.3 10.2 15.4





#77

Pyrene

Concen: 21.04 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. -0.00 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

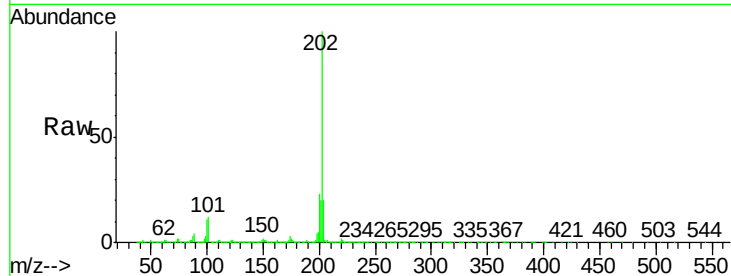
Tgt Ion:202 Resp: 1409378

Ion Ratio Lower Upper

202 100

101 11.6 12.5 18.7#

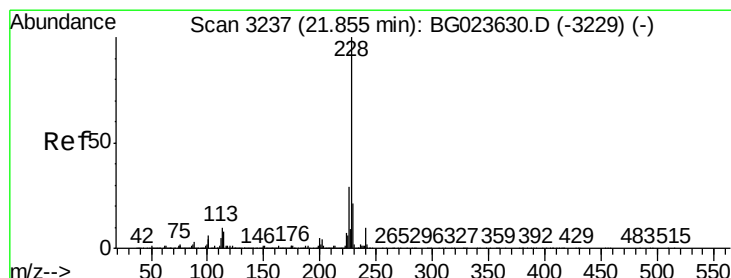
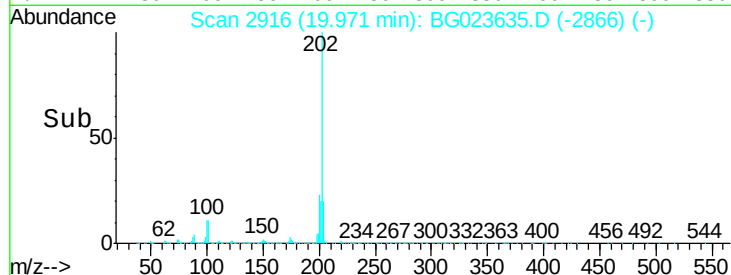
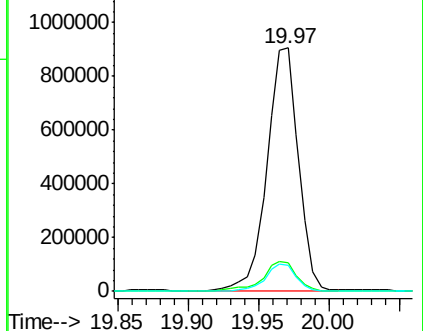
100 10.6 10.2 15.4



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): E



#80

Benzo(a)anthracene

Concen: 12.12 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

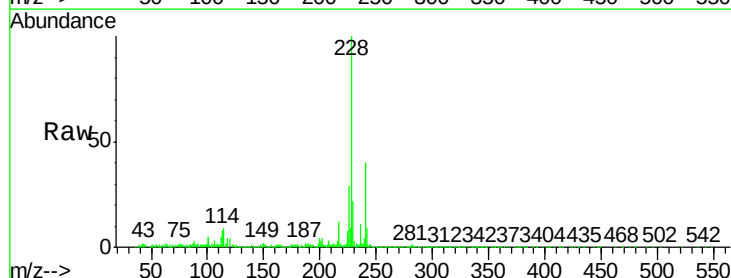
Tgt Ion:228 Resp: 739550

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.2

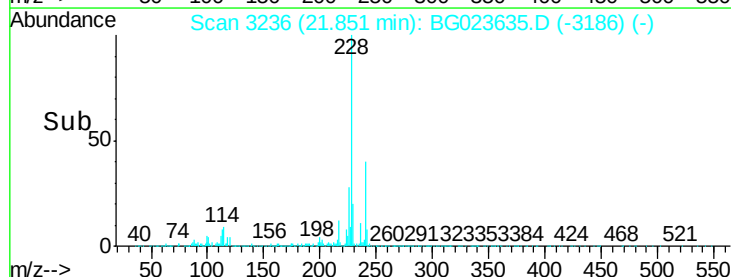
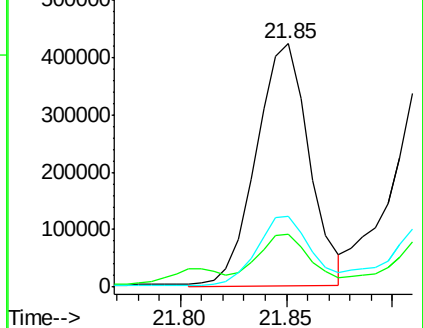
226 28.8 22.8 34.2

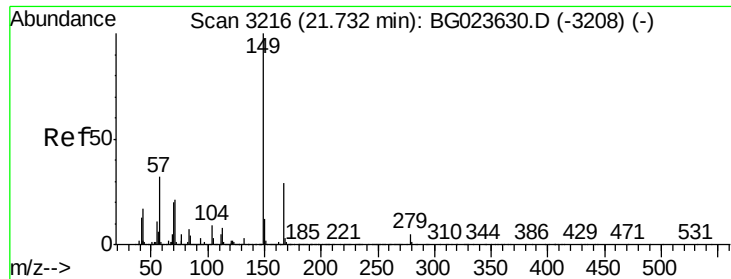


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. -0.00 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

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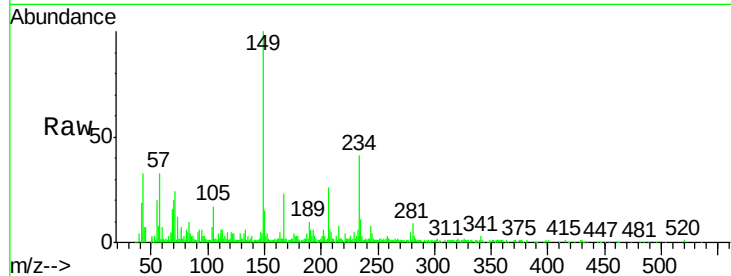
Tgt Ion:149 Resp: 73323

Ion Ratio Lower Upper

149 100

167 22.8 21.9 32.9

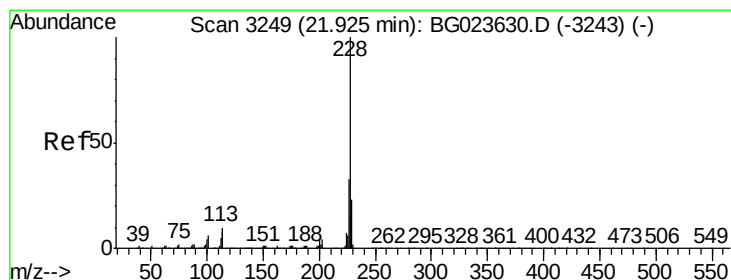
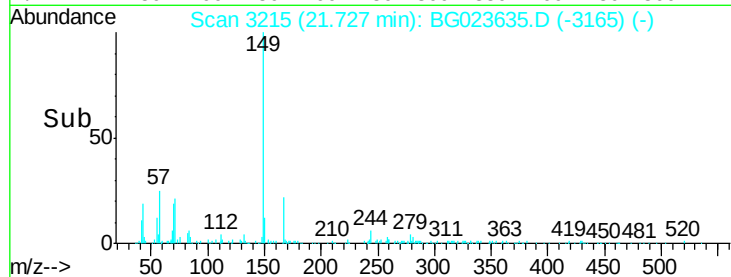
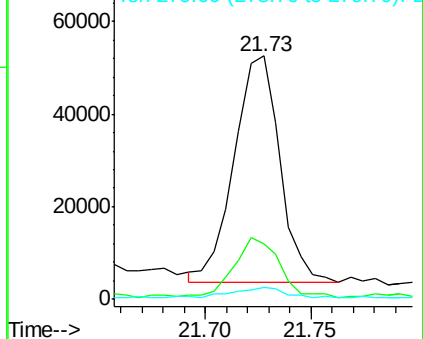
279 4.8 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 13.63 ng/ul

RT: 21.92 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

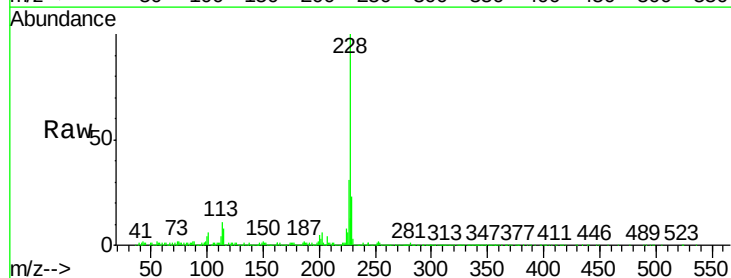
Tgt Ion:228 Resp: 756288

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.4

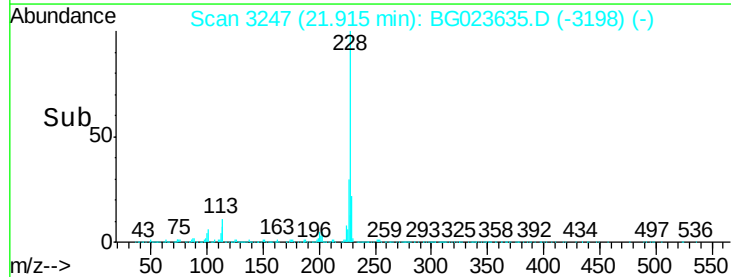
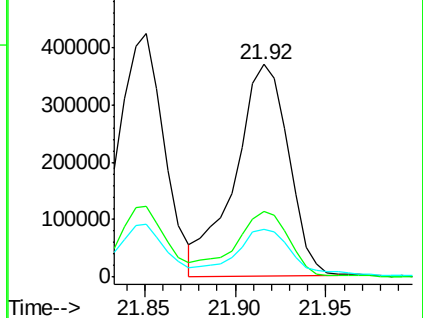
229 22.5 15.0 22.6

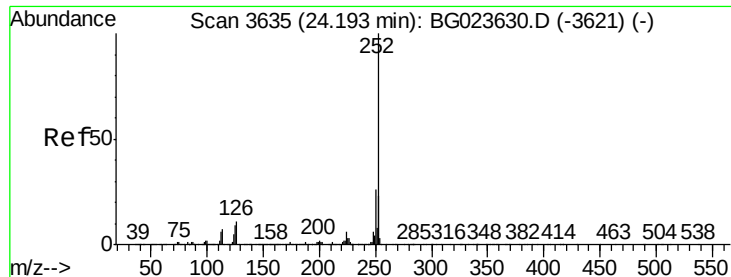


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 13.39 ng/ul

RT: 24.18 min Scan# 3633

Delta R.T. -0.01 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

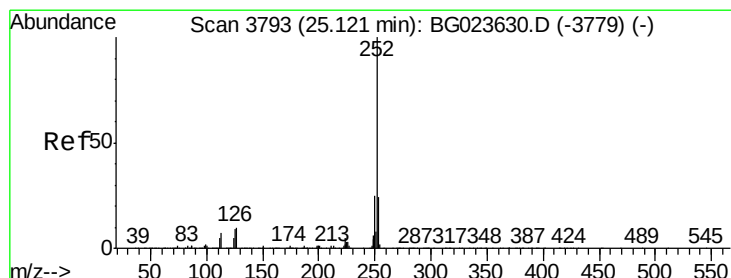
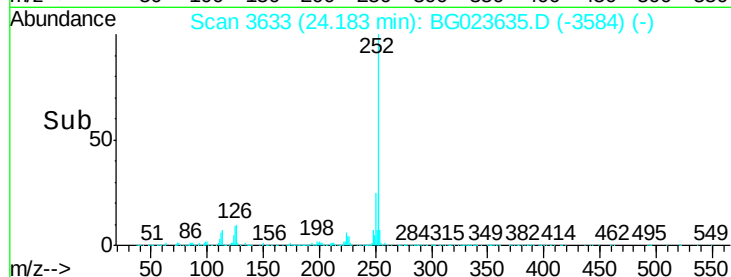
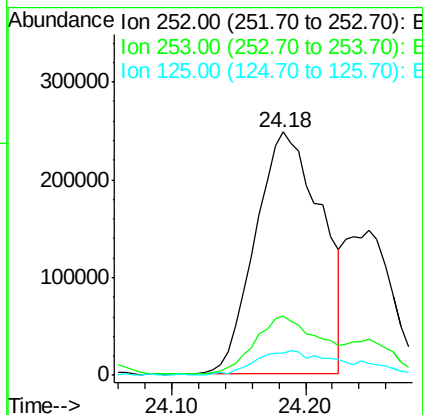
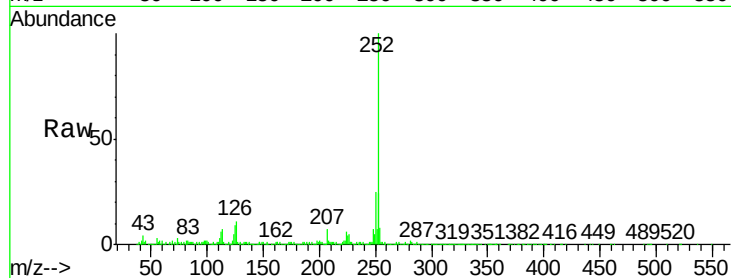
Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

Tgt Ion:	252	Resp:	850543
Ion Ratio		Lower	Upper
252	100		
253	24.2	18.2	27.2
125	9.2	10.8	16.2#



#88

Benzo(a)pyrene

Concen: 10.21 ng/ul

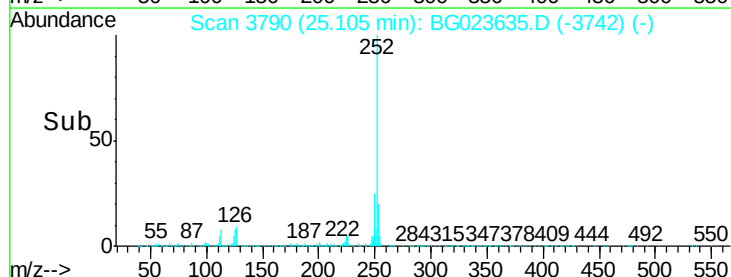
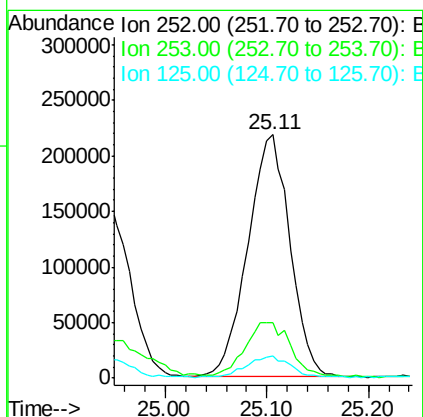
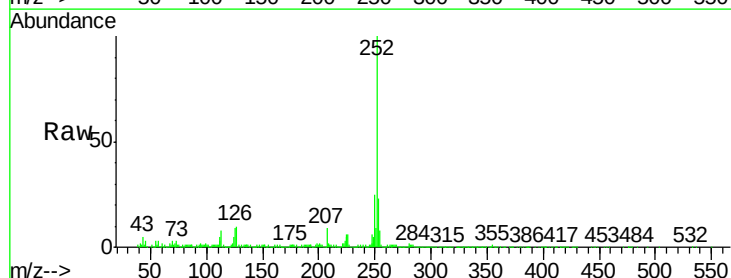
RT: 25.11 min Scan# 3790

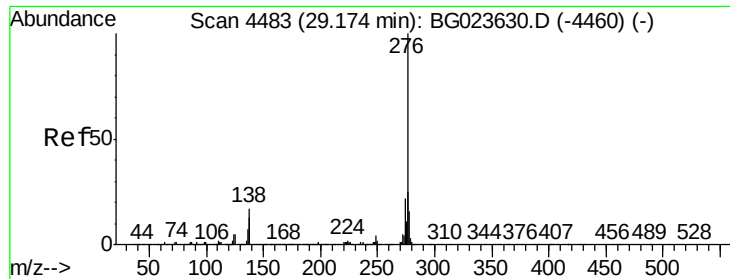
Delta R.T. -0.02 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Tgt Ion:	252	Resp:	626032
Ion Ratio		Lower	Upper
252	100		
253	22.9	19.0	28.4
125	9.0	12.0	18.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 5.74 ng/ul

RT: 29.15 min Scan# 4478

Delta R.T. -0.03 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

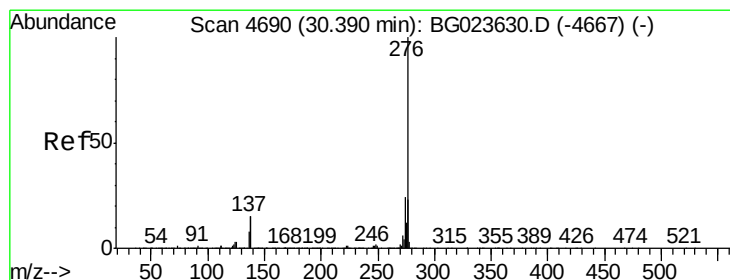
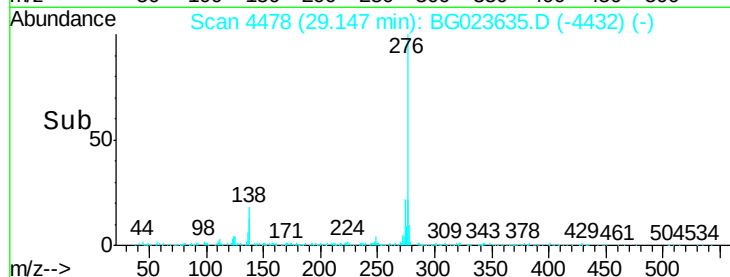
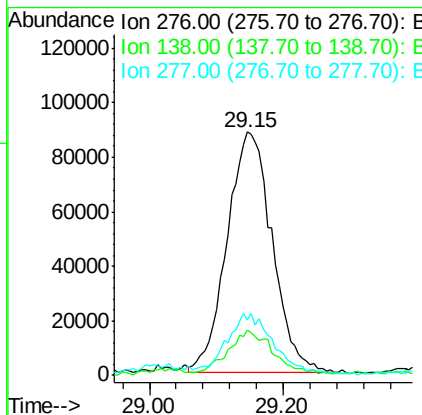
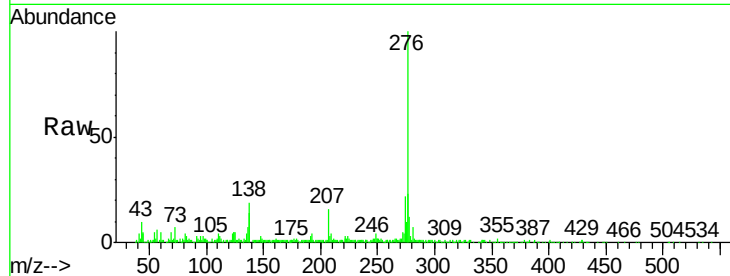
Instrument :

BNA_G

ClientSampleId :

PR001-SS003-1218-01

Tgt Ion:	276	Resp:	413962
Ion Ratio	Lower	Upper	
276	100		
138	18.7	20.8	31.2#
277	23.0	17.6	26.4



#91

Benzo(g,h,i)perylene

Concen: 2.85 ng/ul

RT: 30.36 min Scan# 4684

Delta R.T. -0.03 min

Lab File: BG023635.D

Acq: 11 Aug 2016 23:27

Tgt Ion:	276	Resp:	170329
Ion Ratio	Lower	Upper	
276	100		
138	18.3	22.1	33.1#
277	22.9	17.0	25.4

