

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032015\
 Data File : BG016088.D
 Acq On : 21 Mar 2015 5:11
 Operator : TP/IZ
 Sample : G1565-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AF1

Quant Time: Mar 21 07:27:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 21 04:57:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	99711	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	434493	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	243015	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	444148	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	478372	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	477495	20.00	ng/ul	-0.12

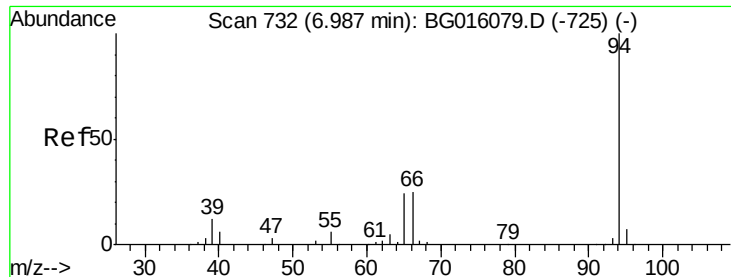
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	197179	22.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	101132	20.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	151157	21.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	151438	22.49	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	77804	22.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	84310	25.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	136866	22.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	73660	8.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	377065	23.80	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	505245	22.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	70174	18.54	ng/ul	0.00
57) Fluorene-d10	15.42	176	347242	21.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	49172	21.19	ng/ul	0.00
70) Anthracene-d10	17.26	188	476990	23.51	ng/ul	0.00
76) Pyrene-d10	19.55	212	484288	22.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	923	0.04	ng/ul	-0.13

Target Compounds

						Qvalue
6) Phenol	6.99	94	10749	1.10	ng/ul#	89
28) Naphthalene	10.63	128	46317	1.97	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	19532	1.18	ng/ul	98
44) Dimethylphthalate	13.88	163	24267	1.35	ng/ul	99
49) Acenaphthene	14.49	153	128162	7.74	ng/ul	99
53) Dibenzofuran	14.82	168	161401	7.22	ng/ul	98
58) Fluorene	15.47	166	239912	12.29	ng/ul	100
69) Phenanthrene	17.21	178	1619039	64.13	ng/ul#	91
71) Anthracene	17.29	178	549275	21.43	ng/ul	99
72) Carbazole	17.57	167	230627	9.36	ng/ul	99
74) Fluoranthene	19.22	202	2202331	77.15	ng/ul#	86
77) Pyrene	19.59	202	1871453	63.58	ng/ul#	89
80) Benzo(a)anthracene	21.32	228	1049440	38.72	ng/ul	94
82) Chrysene	21.32	228	1051944	40.80	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.75	276	43717	1.38	ng/ul#	62

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



#6

Phenol

Concen: 1.10 ng/ul

RT: 6.99 min Scan# 732

Delta R.T. 0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampled :

C0AF1

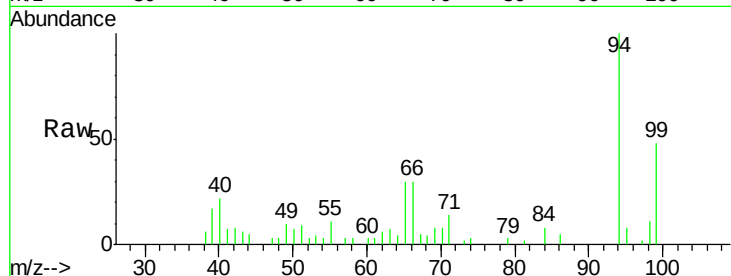
Tgt Ion: 94 Resp: 10749

Ion Ratio Lower Upper

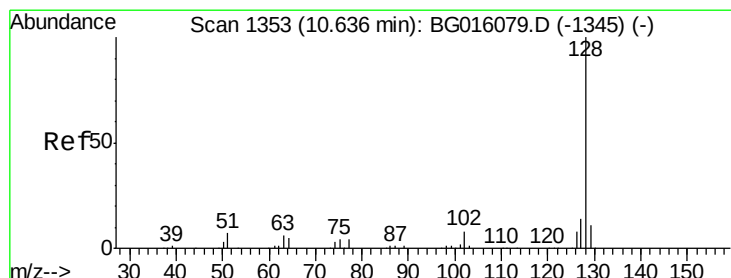
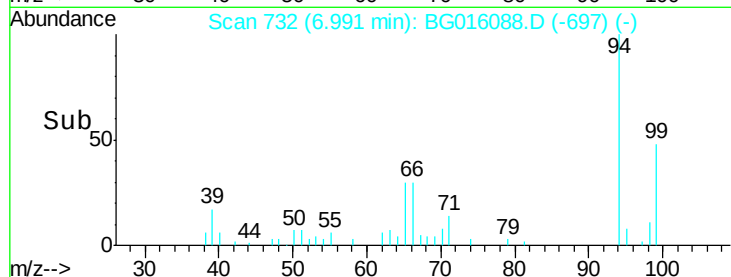
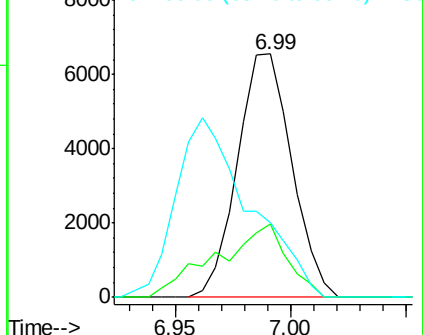
94 100

65 30.0 18.4 27.6#

66 30.5 21.1 31.7



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



#28

Naphthalene

Concen: 1.97 ng/ul

RT: 10.63 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

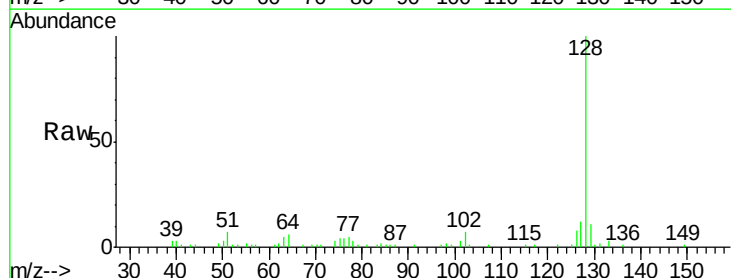
Tgt Ion: 128 Resp: 46317

Ion Ratio Lower Upper

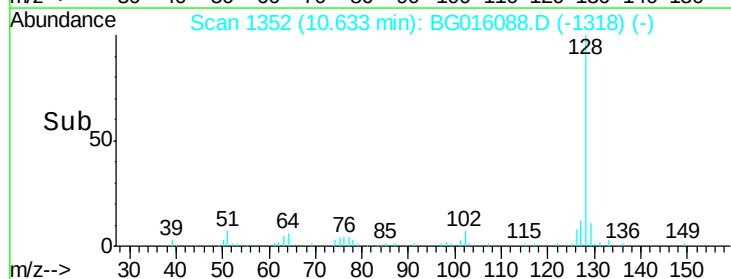
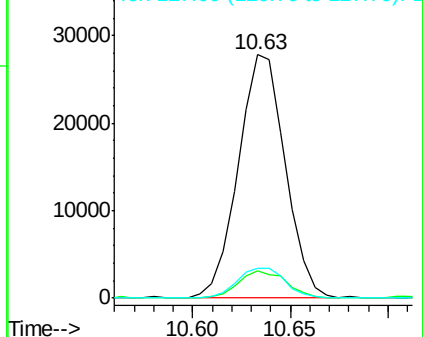
128 100

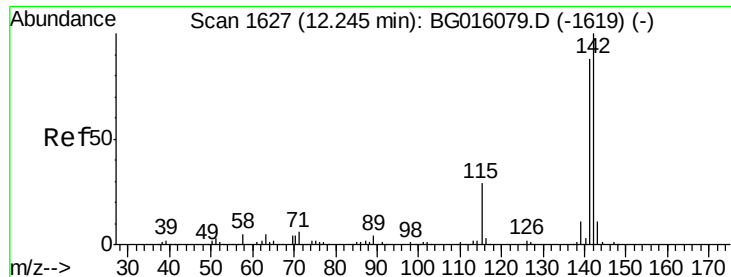
129 11.5 9.0 13.4

127 12.4 10.4 15.6



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





#34

2-Methylnaphthalene

Concen: 1.18 ng/ul

RT: 12.24 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampled :

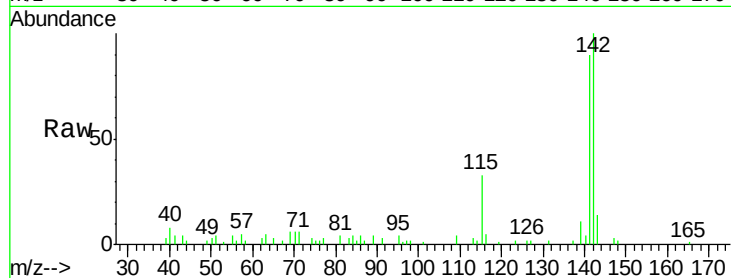
C0AF1

Tgt Ion:142 Resp: 19532

Ion Ratio Lower Upper

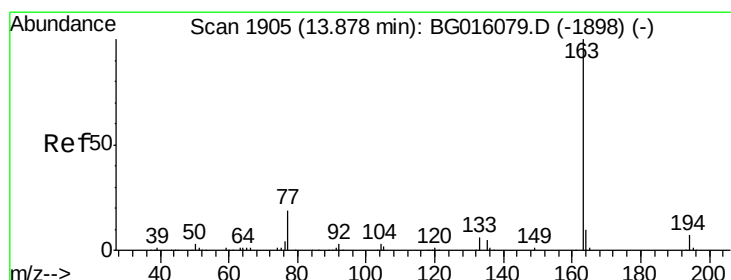
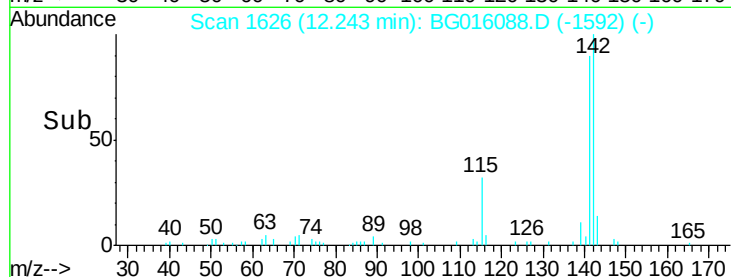
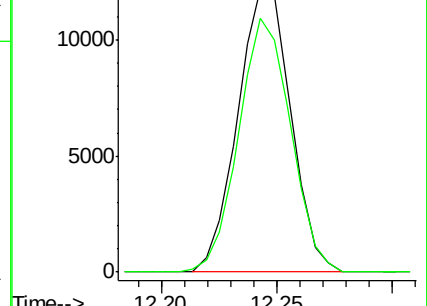
142 100

141 89.7 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 1.35 ng/ul

RT: 13.88 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

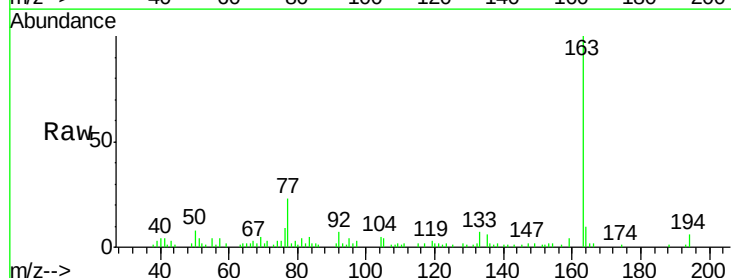
Tgt Ion:163 Resp: 24267

Ion Ratio Lower Upper

163 100

194 5.9 5.4 8.0

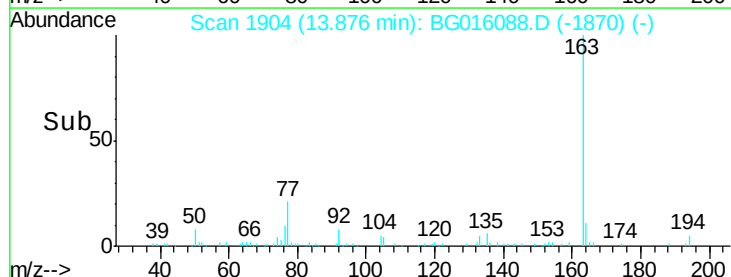
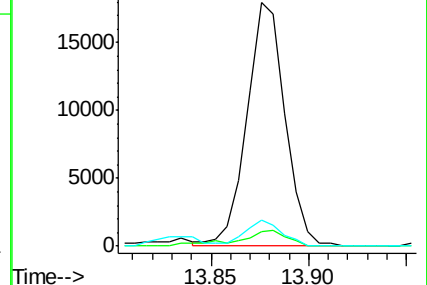
164 10.5 8.2 12.4

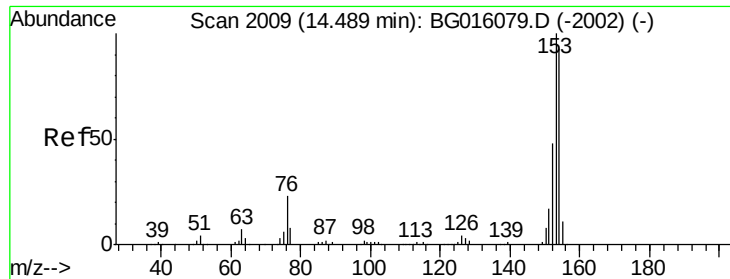


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 7.74 ng/ul

RT: 14.49 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1

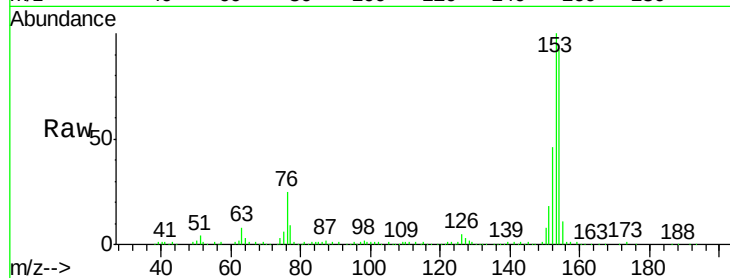
Tgt Ion:153 Resp: 128162

Ion Ratio Lower Upper

153 100

152 46.4 37.4 56.2

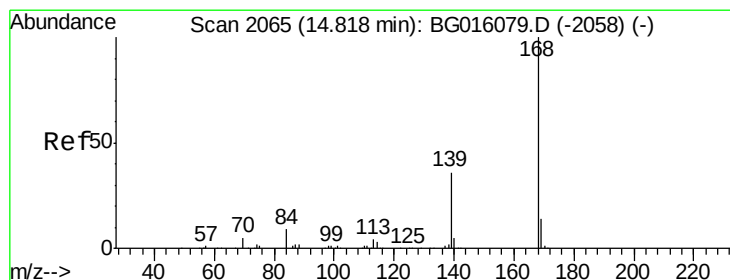
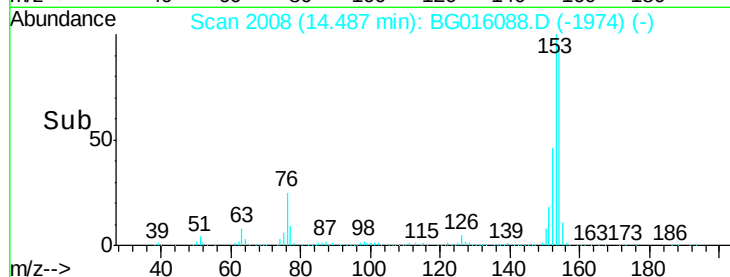
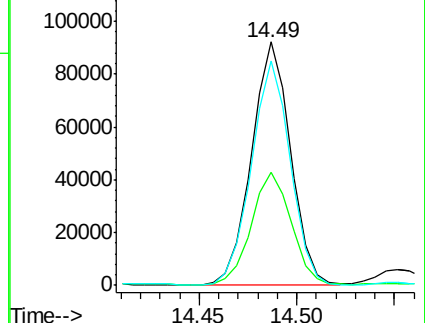
154 92.1 74.4 111.6



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: 7.22 ng/ul

RT: 14.82 min Scan# 2065

Delta R.T. 0.00 min

Lab File: BG016088.D

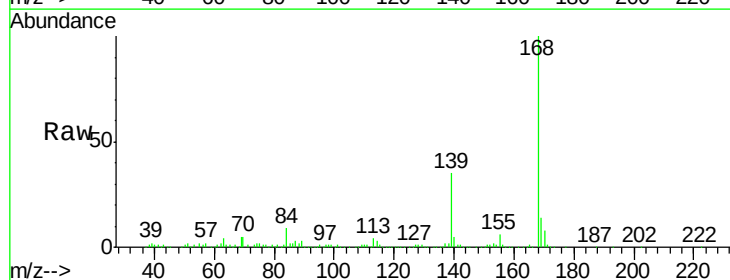
Acq: 21 Mar 2015 5:11

Tgt Ion:168 Resp: 161401

Ion Ratio Lower Upper

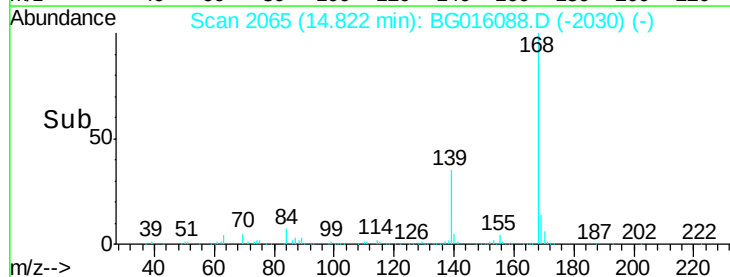
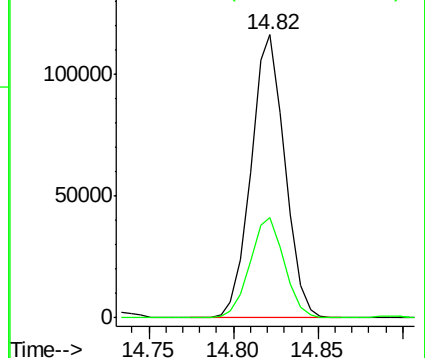
168 100

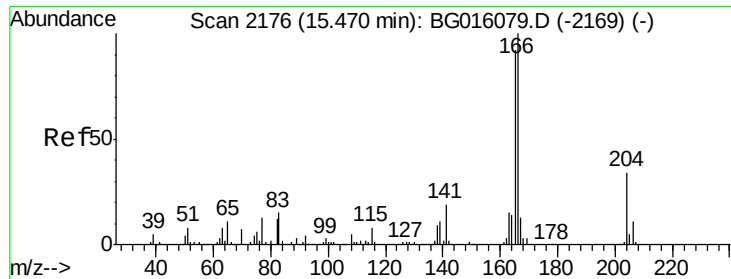
139 35.3 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.29 ng/ul

RT: 15.47 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1

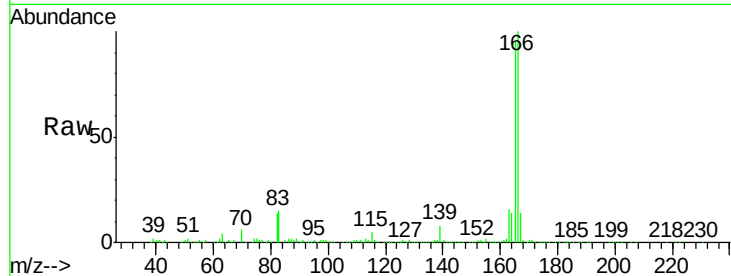
Tgt Ion:166 Resp: 239912

Ion Ratio Lower Upper

166 100

165 95.1 76.1 114.1

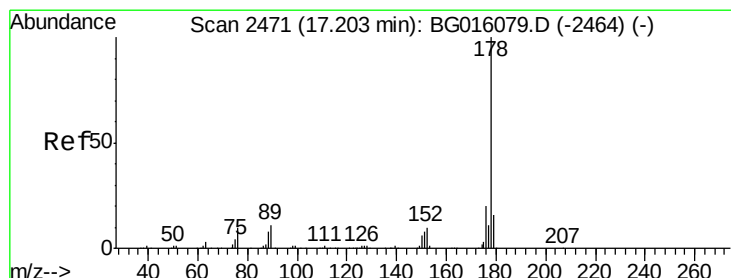
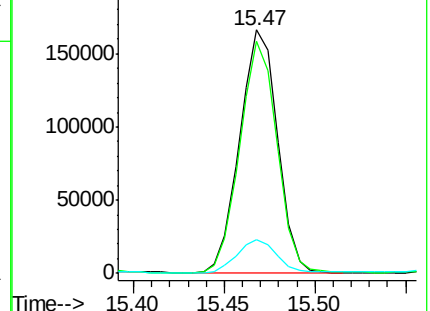
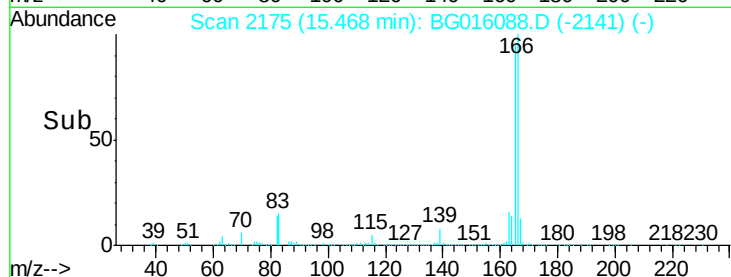
167 13.6 10.5 15.7



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: 64.13 ng/ul

RT: 17.21 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

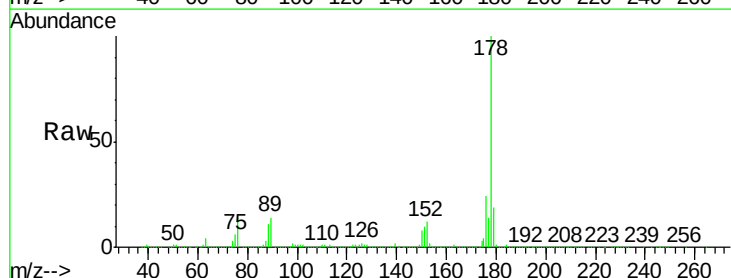
Tgt Ion:178 Resp: 1619039

Ion Ratio Lower Upper

178 100

179 19.3 12.8 19.2#

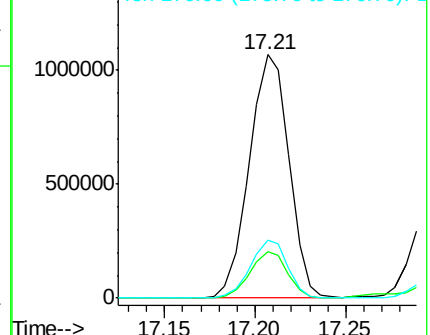
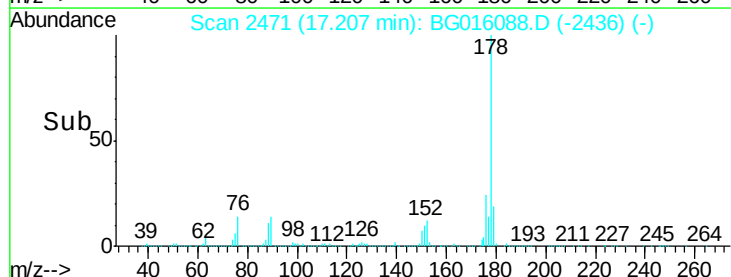
176 24.0 15.6 23.4#

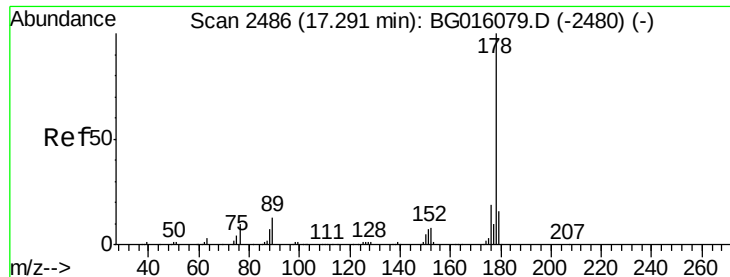


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 21.43 ng/ul

RT: 17.29 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1

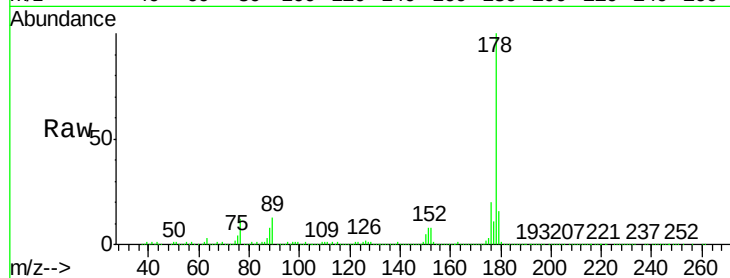
Tgt Ion:178 Resp: 549275

Ion Ratio Lower Upper

178 100

179 16.0 12.7 19.1

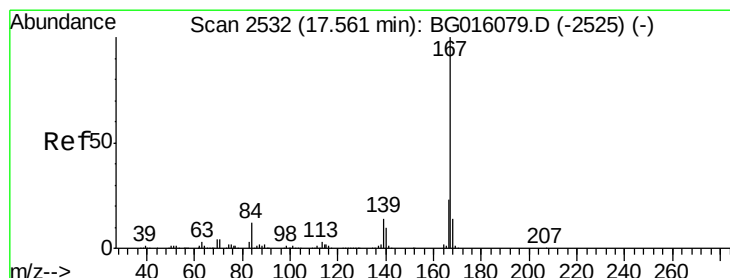
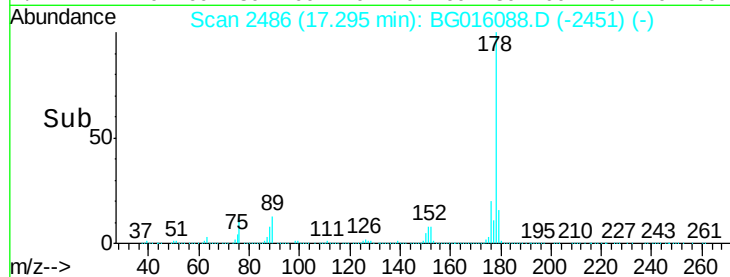
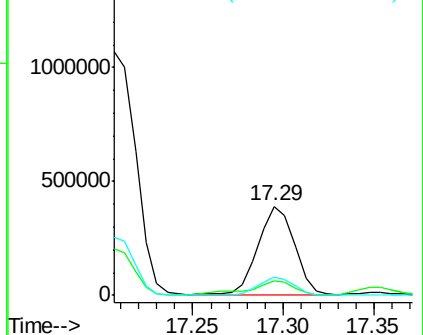
176 20.1 15.3 22.9



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

Carbazole

Concen: 9.36 ng/ul

RT: 17.57 min Scan# 2532

Delta R.T. 0.00 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

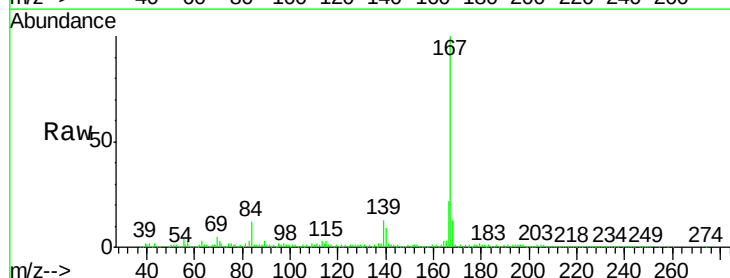
Tgt Ion:167 Resp: 230627

Ion Ratio Lower Upper

167 100

166 22.1 18.2 27.2

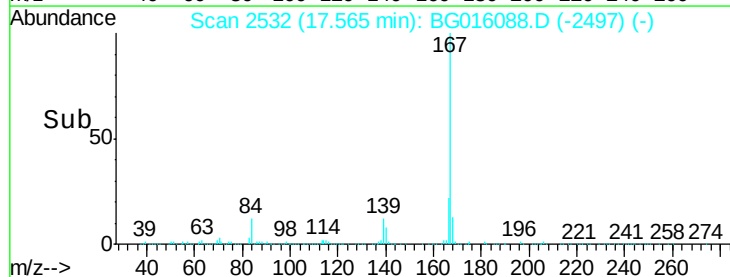
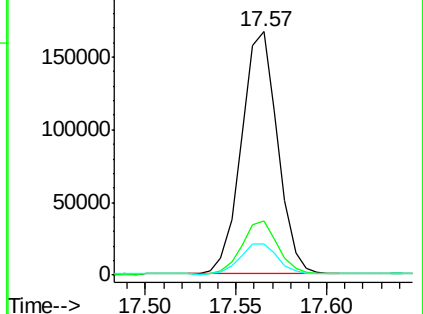
139 12.6 10.0 15.0

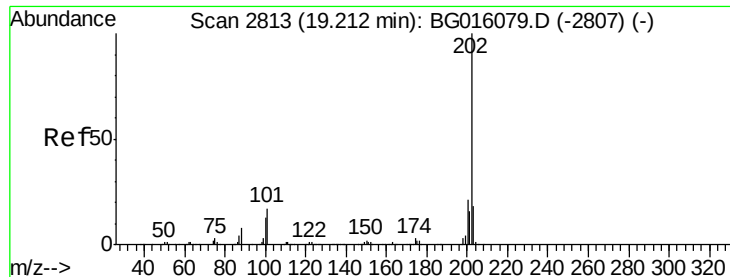


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 77.15 ng/ul

RT: 19.22 min Scan# 2814

Delta R.T. 0.01 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1

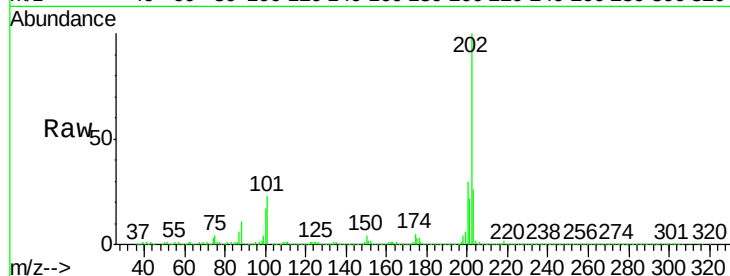
Tgt Ion:202 Resp: 2202331

Ion Ratio Lower Upper

202 100

101 22.6 12.9 19.3#

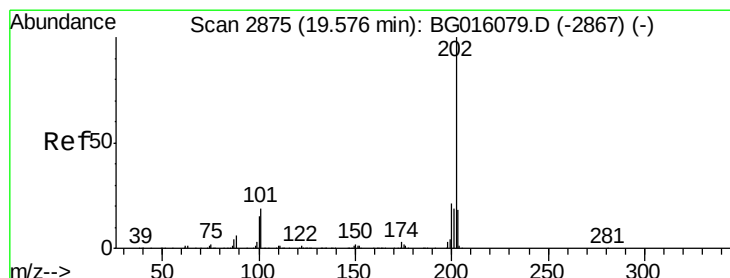
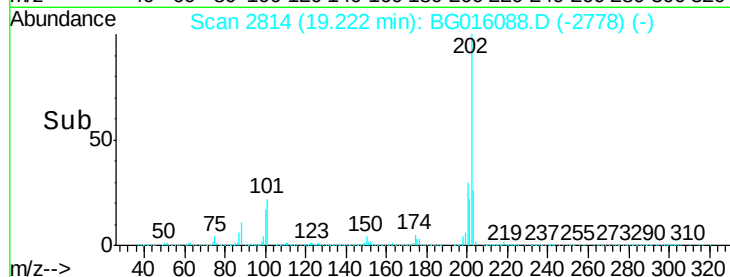
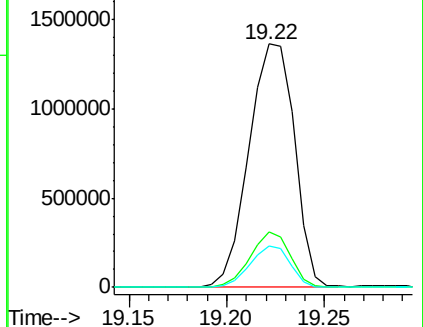
100 16.9 9.4 14.2#



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: 63.58 ng/ul

RT: 19.59 min Scan# 2876

Delta R.T. 0.01 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

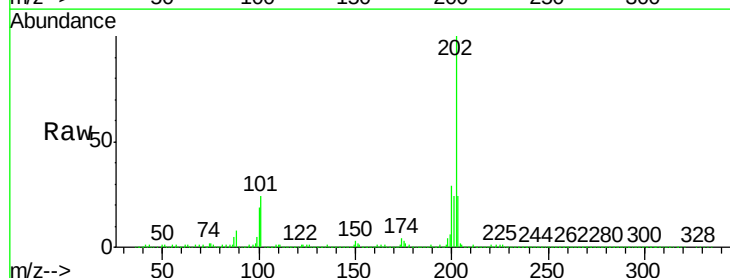
Tgt Ion:202 Resp: 1871453

Ion Ratio Lower Upper

202 100

101 23.5 14.6 21.8#

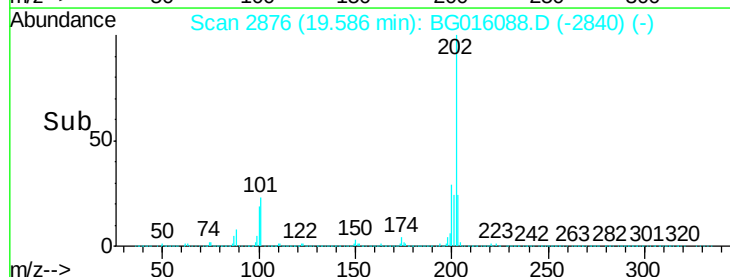
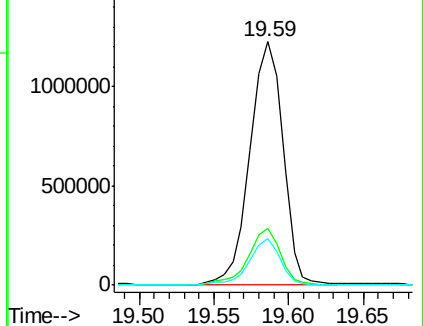
100 19.1 12.1 18.1#

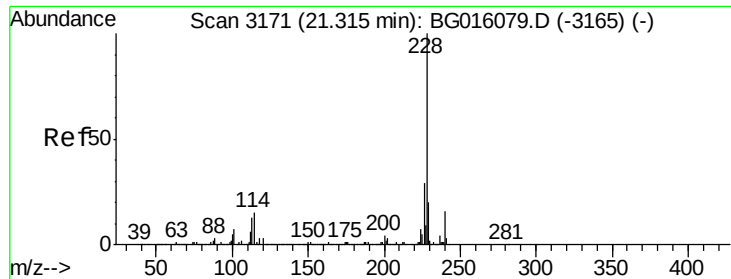


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 38.72 ng/ul

RT: 21.32 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1

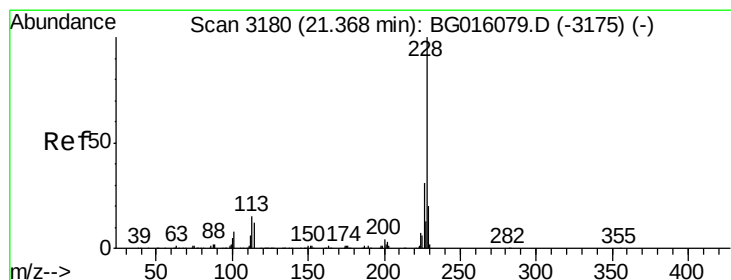
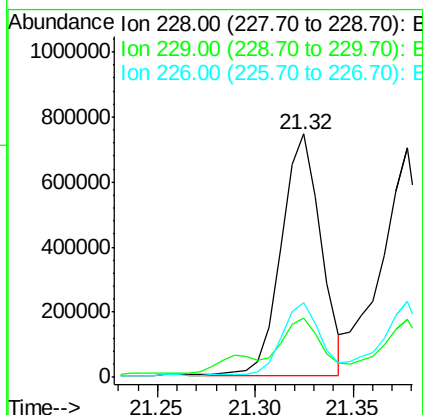
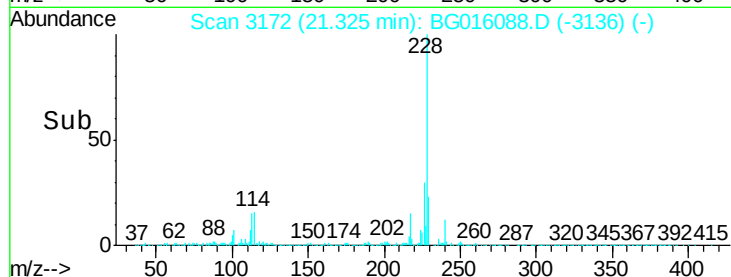
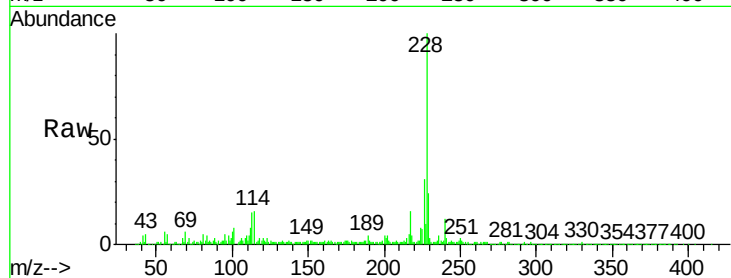
Tgt Ion:228 Resp: 1049440

Ion Ratio Lower Upper

228 100

229 24.3 16.2 24.4

226 30.6 22.4 33.6



#82

Chrysene

Concen: 40.80 ng/ul

RT: 21.32 min Scan# 3172

Delta R.T. -0.04 min

Lab File: BG016088.D

Acq: 21 Mar 2015 5:11

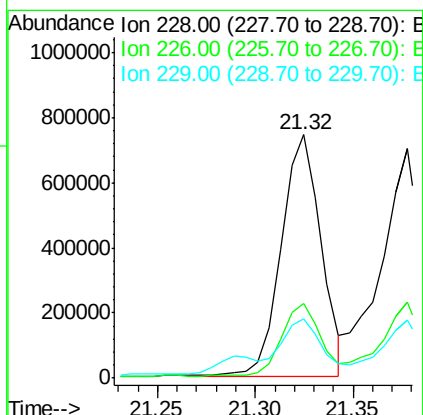
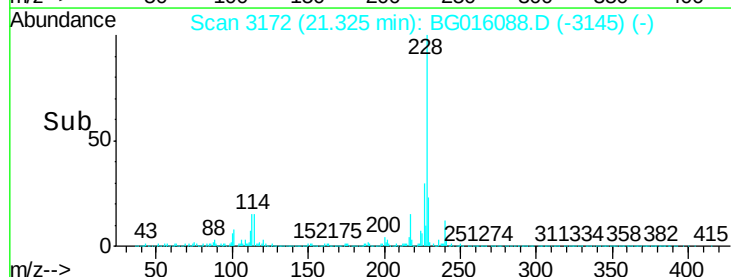
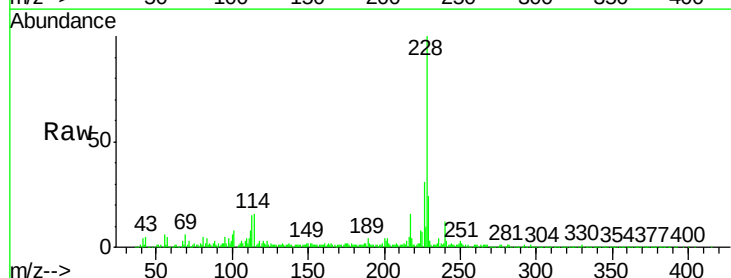
Tgt Ion:228 Resp: 1051944

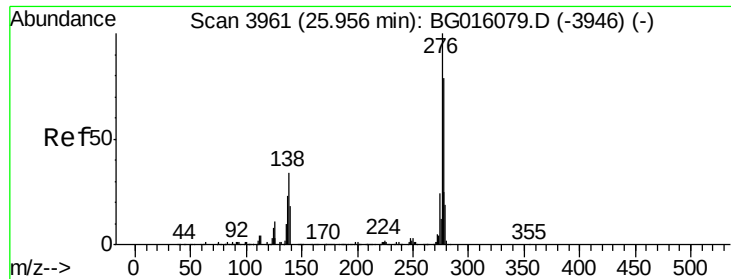
Ion Ratio Lower Upper

228 100

226 30.6 24.6 36.8

229 24.3 16.6 25.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.38 ng/ul

RT: 25.75 min Scan# 3926

Delta R.T. -0.20 min

Lab File: BG016088.D

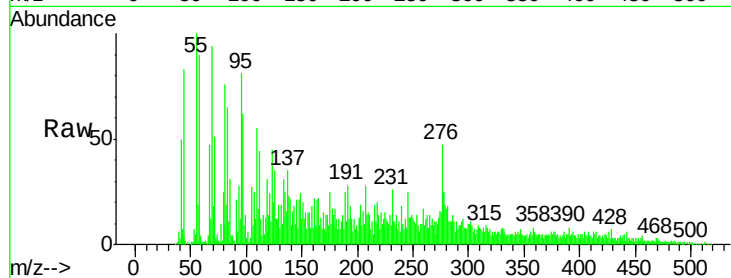
Acq: 21 Mar 2015 5:11

Instrument :

BNA_G

ClientSampleId :

C0AF1



Tgt Ion:	276	Resp:	43717
Ion Ratio	Lower	Upper	
276	100		
138	48.1	26.1	39.1#
277	51.4	20.0	30.0#

