

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
 Data File : BG016208.D
 Acq On : 31 Mar 2015 20:03
 Operator : TP/IZ
 Sample : G1647-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD6

Quant Time: Apr 01 07:09:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 04:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	89050	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	396222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	229776	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	446946	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	437268	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	422485	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.94	99	235879	28.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	142837	30.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	183480	28.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	178966	28.14	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	102661	30.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	109836	29.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	164986	27.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	205859	25.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	481437	31.70	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	634092	29.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	101580	26.53	ng/ul	0.00
57) Fluorene-d10	15.39	176	437783	29.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	77695	25.44	ng/ul	0.00
70) Anthracene-d10	17.24	188	601730	29.30	ng/ul	0.00
76) Pyrene-d10	19.53	212	613215	30.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	549686	28.84	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.59	105	12801	1.33	ng/ul#	90
28) Naphthalene	10.60	128	48956	2.30	ng/ul	98
34) 2-Methylnaphthalene	12.21	142	92118	6.11	ng/ul	99
40) 1,1'-Biphenyl	13.23	154	29035	1.58	ng/ul	97
44) Dimethylphthalate	13.85	163	38492	2.25	ng/ul	98
49) Acenaphthene	14.46	153	186446	11.64	ng/ul	99
53) Dibenzofuran	14.79	168	263896	12.68	ng/ul	97
58) Fluorene	15.44	166	227747	12.49	ng/ul	99
69) Phenanthrene	17.18	178	1424202	56.13	ng/ul	95
71) Anthracene	17.27	178	411160	15.85	ng/ul	99
72) Carbazole	17.54	167	126010	5.03	ng/ul	99
74) Fluoranthene	19.20	202	1202461	42.64	ng/ul	98
77) Pyrene	19.56	202	941185	34.68	ng/ul	99
80) Benzo(a)anthracene	21.30	228	451526	17.84	ng/ul	99
82) Chrysene	21.35	228	366965	15.61	ng/ul	97
85) Benzo(b)fluoranthene	22.91	252	457517	18.13	ng/ul	99
86) Benzo(k)fluoranthene	22.95	252	124927m	5.14	ng/ul	
88) Benzo(a)pyrene	23.50	252	315218	13.10	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.93	276	181351	6.45	ng/ul	94
90) Dibenzo(a,h)anthracene	25.93	278	52261m	2.23	ng/ul	
91) Benzo(g,h,i)perylene	26.64	276	129299	5.62	ng/ul	98

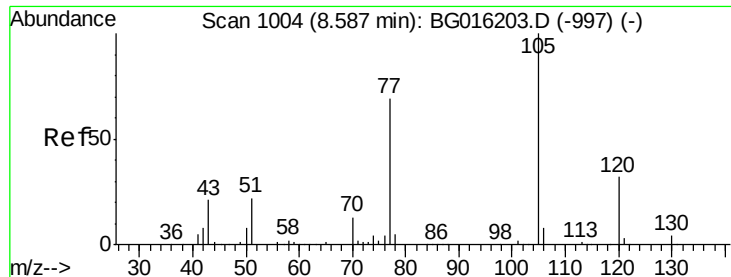
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016208.D
Acq On : 31 Mar 2015 20:03
Operator : TP/IZ
Sample : G1647-17
Misc :
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#14

Acetophenone

Concen: 1.33 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6

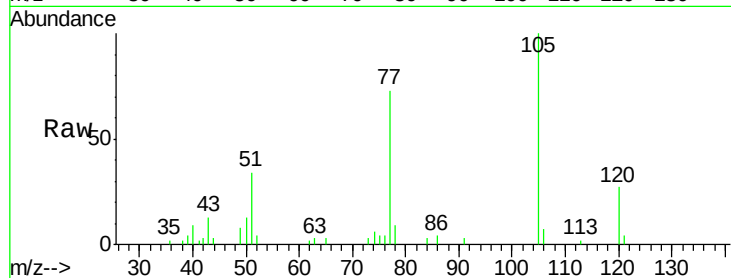
Tgt Ion:105 Resp: 12801

Ion Ratio Lower Upper

105 100

77 72.6 64.6 97.0

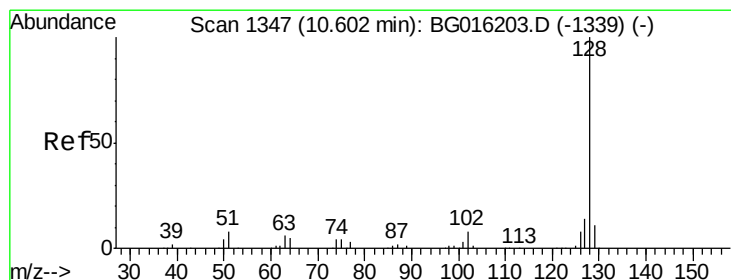
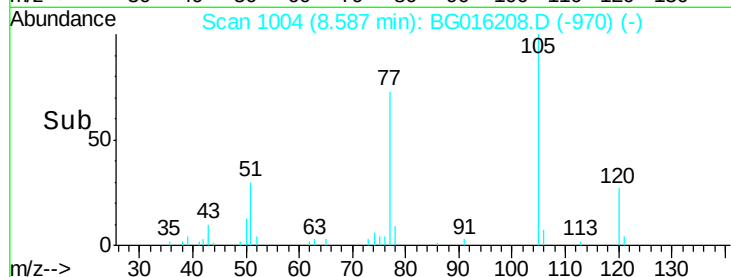
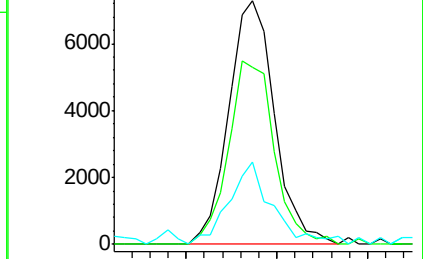
51 33.6 21.6 32.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 2.30 ng/ul

RT: 10.60 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

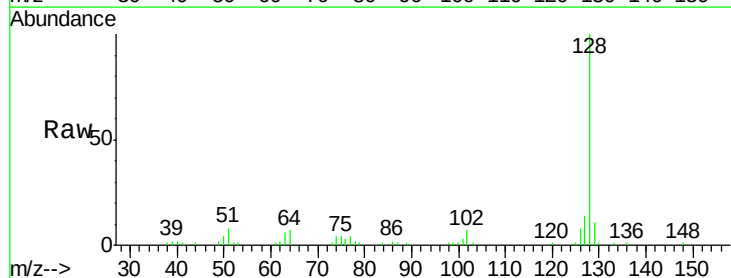
Tgt Ion:128 Resp: 48956

Ion Ratio Lower Upper

128 100

129 10.7 9.2 13.8

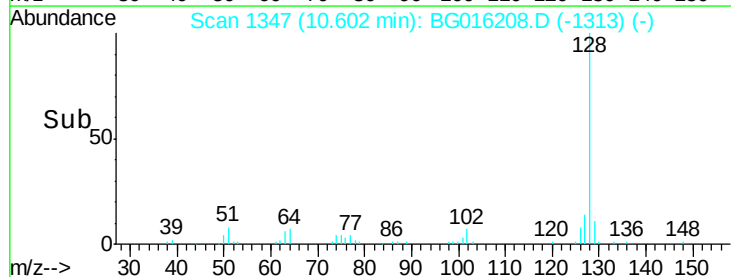
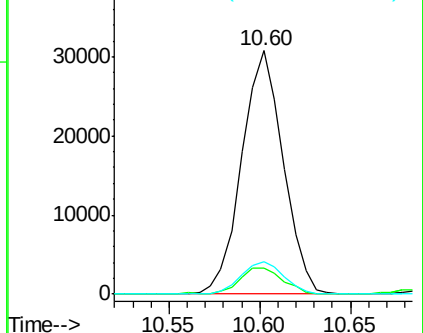
127 13.5 11.4 17.0

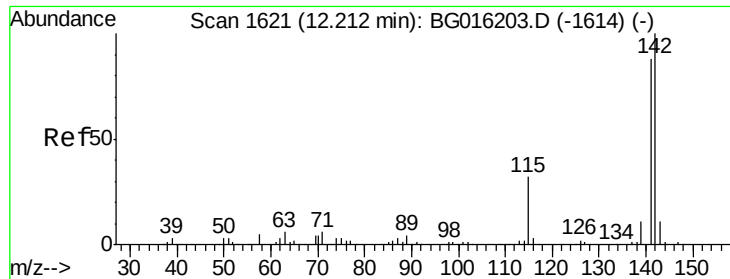


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

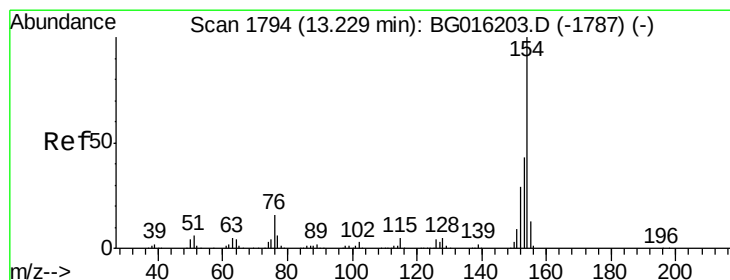
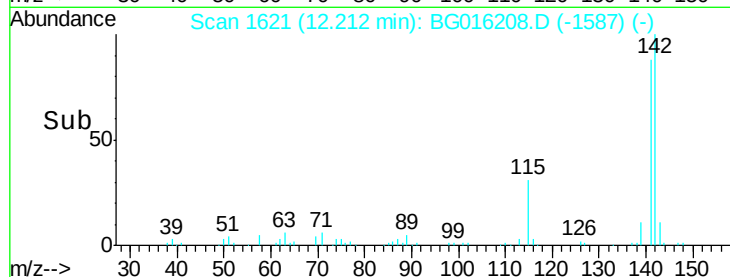
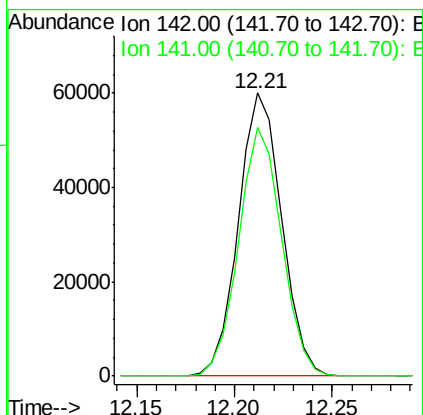
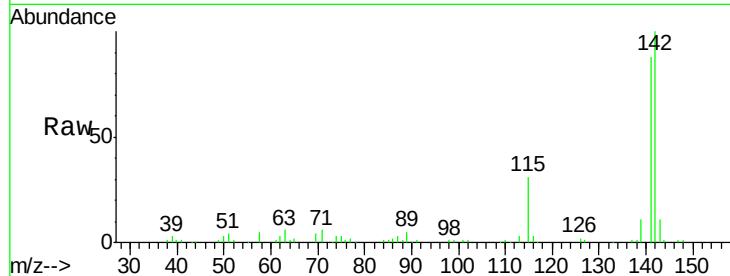




#34
2-Methylnaphthalene
Concen: 6.11 ng/ul
RT: 12.21 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

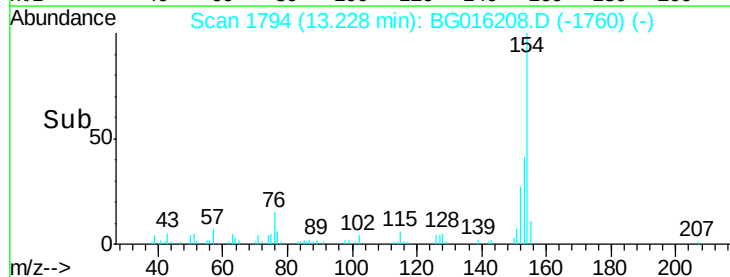
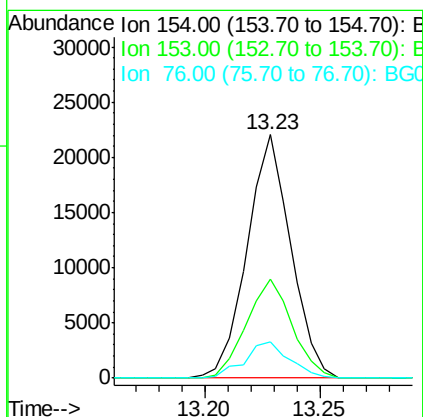
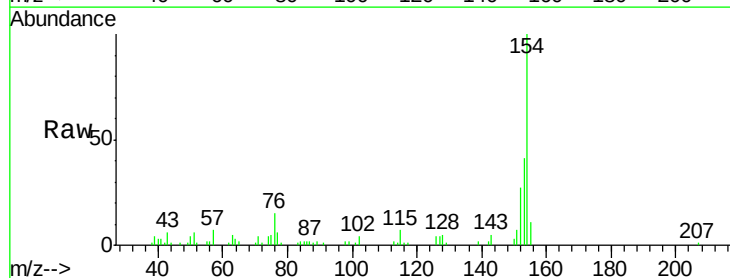
Instrument :
BNA_G
ClientSampleId :
C0AD6

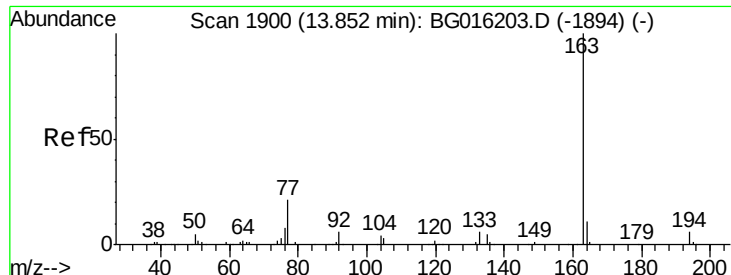
Tgt Ion:142 Resp: 92118
Ion Ratio Lower Upper
142 100
141 87.9 69.7 104.5



#40
1,1'-Biphenyl
Concen: 1.58 ng/ul
RT: 13.23 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

Tgt Ion:154 Resp: 29035
Ion Ratio Lower Upper
154 100
153 40.5 34.5 51.7
76 14.6 11.8 17.8

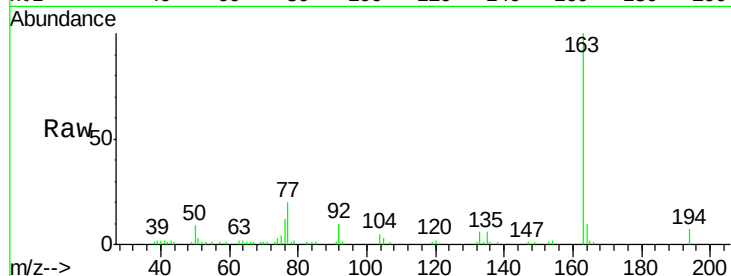




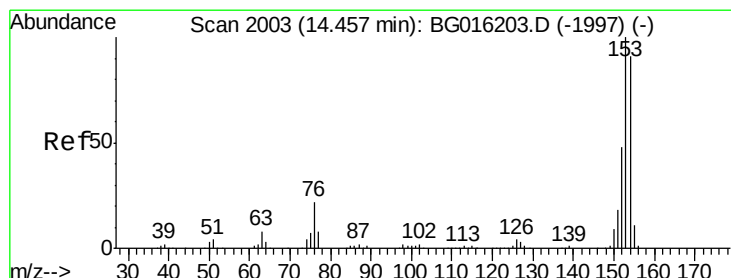
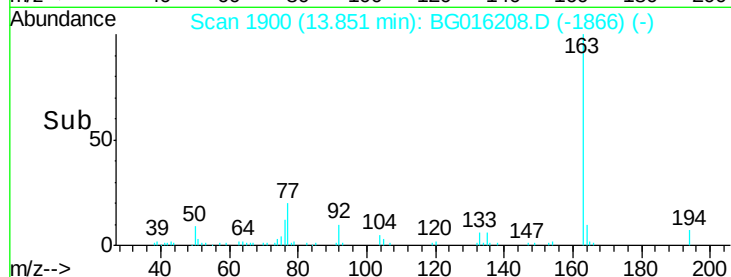
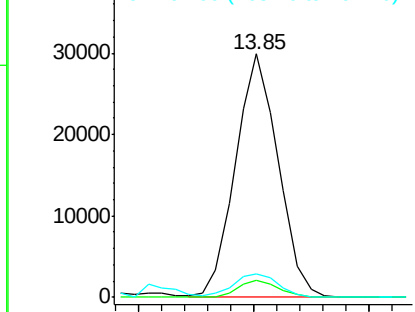
#44
Dimethylphthalate
Concen: 2.25 ng/ul
RT: 13.85 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

Instrument :
BNA_G
ClientSampleId :
C0AD6

Tgt Ion:163 Resp: 38492
Ion Ratio Lower Upper
163 100
194 6.9 4.8 7.2
164 9.8 8.2 12.2

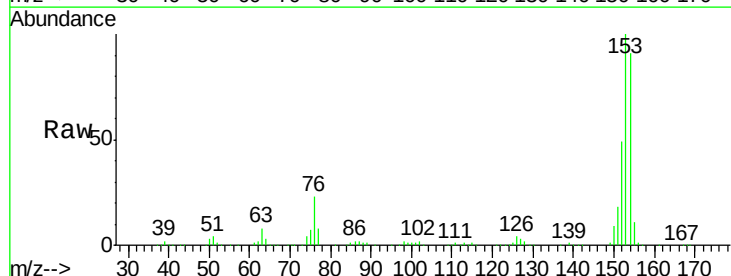


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

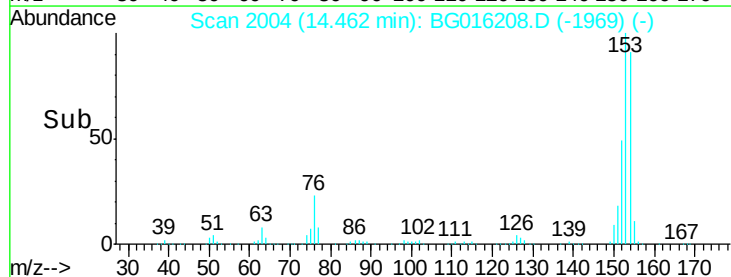
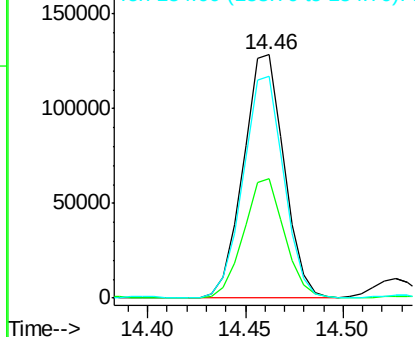


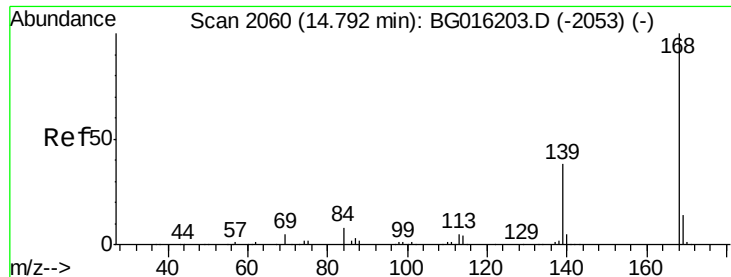
#49
Acenaphthene
Concen: 11.64 ng/ul
RT: 14.46 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

Tgt Ion:153 Resp: 186446
Ion Ratio Lower Upper
153 100
152 49.1 39.0 58.4
154 91.1 72.5 108.7



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

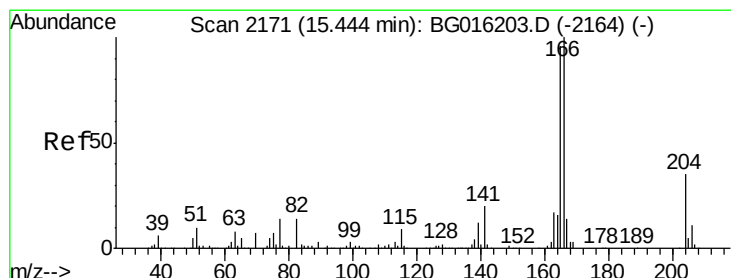
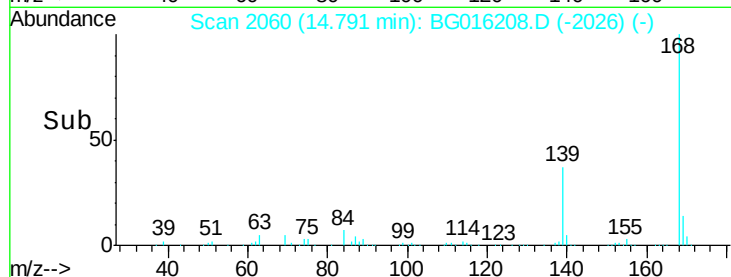
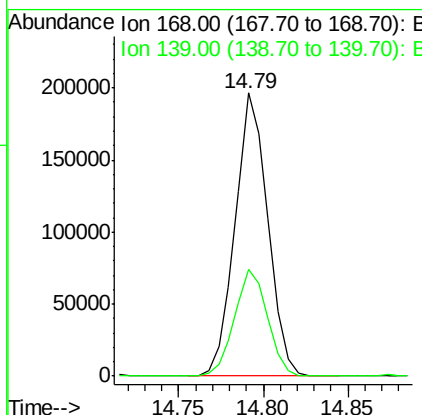
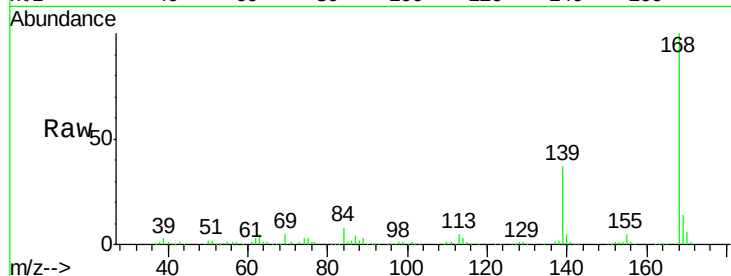




#53
Dibenzenofuran
Concen: 12.68 ng/ul
RT: 14.79 min Scan# 2060
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

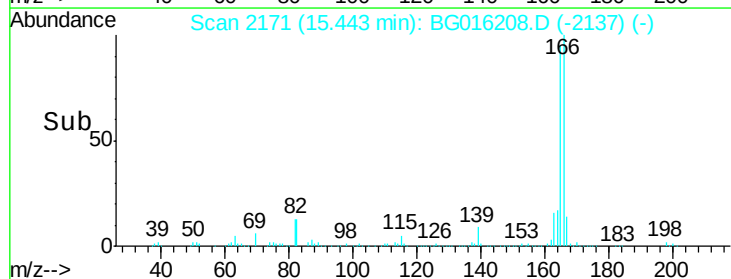
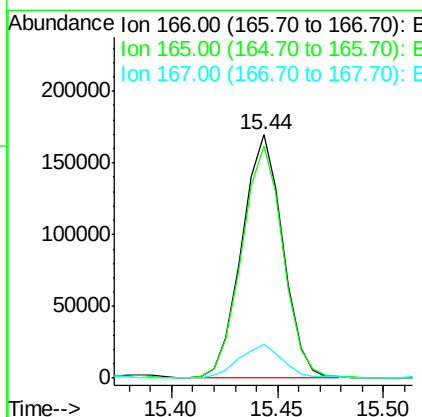
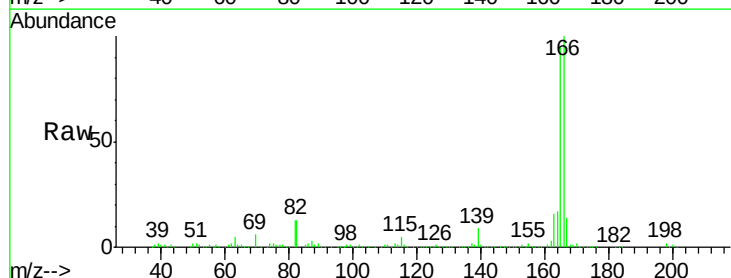
Instrument :
BNA_G
ClientSampleId :
C0AD6

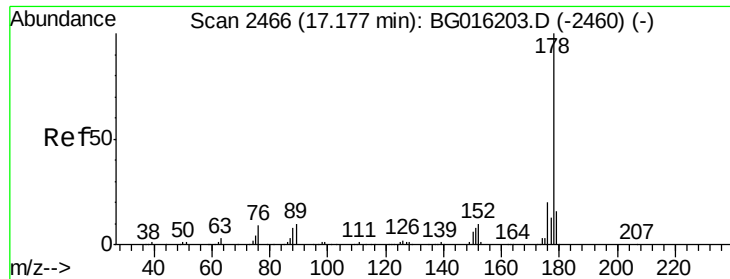
Tgt Ion:168 Resp: 263896
Ion Ratio Lower Upper
168 100
139 37.5 31.4 47.0



#58
Fluorene
Concen: 12.49 ng/ul
RT: 15.44 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

Tgt Ion:166 Resp: 227747
Ion Ratio Lower Upper
166 100
165 95.2 75.6 113.4
167 13.9 10.7 16.1





#69

Phenanthrene

Concen: 56.13 ng/ul

RT: 17.18 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampled :

C0AD6

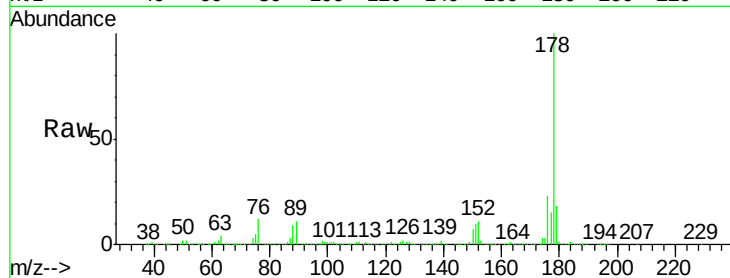
Tgt Ion:178 Resp: 1424202

Ion Ratio Lower Upper

178 100

179 17.8 12.6 19.0

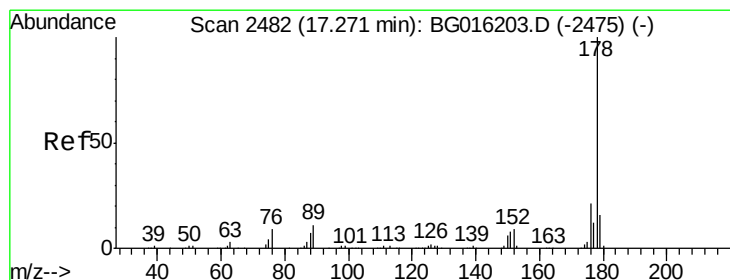
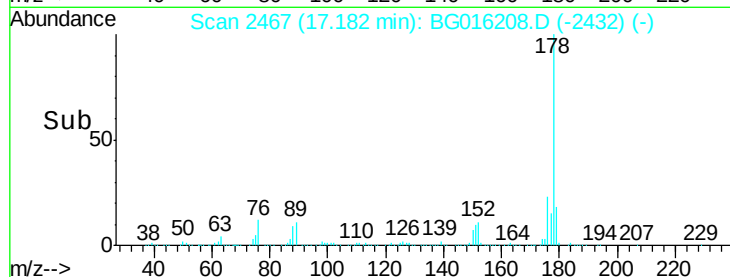
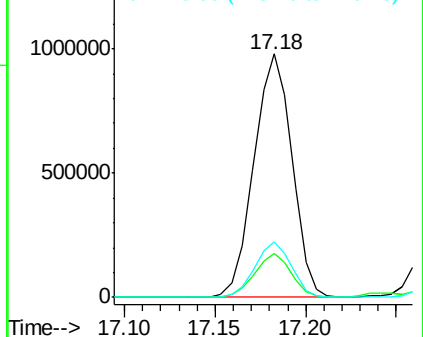
176 22.7 16.6 24.8



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: 15.85 ng/ul

RT: 17.27 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

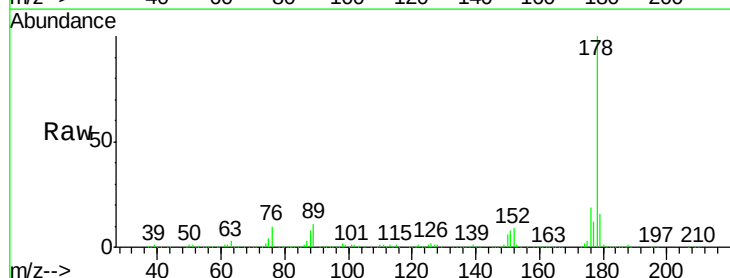
Tgt Ion:178 Resp: 411160

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.4

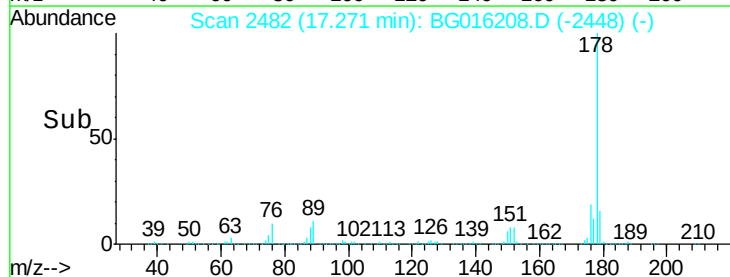
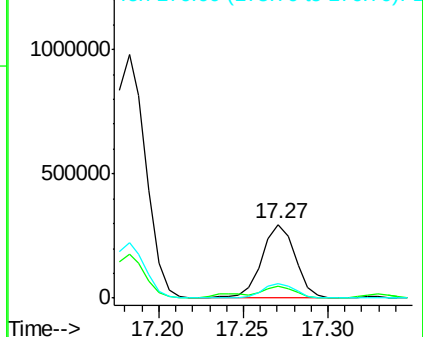
176 19.3 15.9 23.9

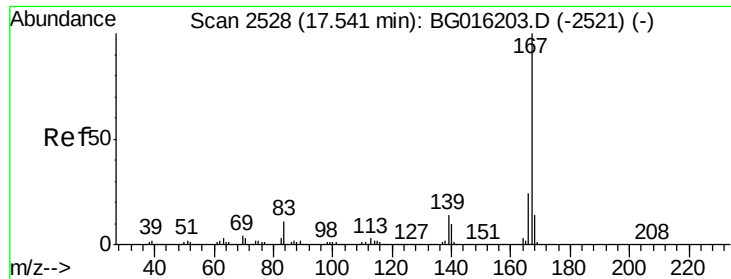


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.03 ng/ul

RT: 17.54 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6

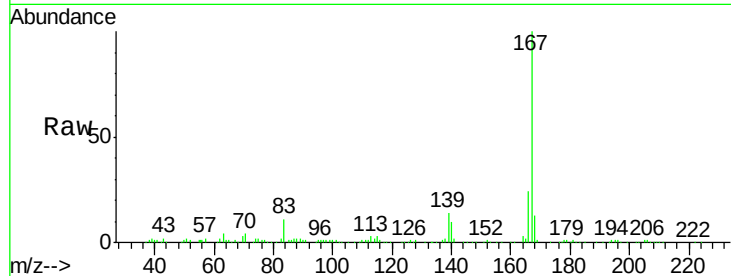
Tgt Ion:167 Resp: 126010

Ion Ratio Lower Upper

167 100

166 23.6 18.4 27.6

139 13.6 10.7 16.1

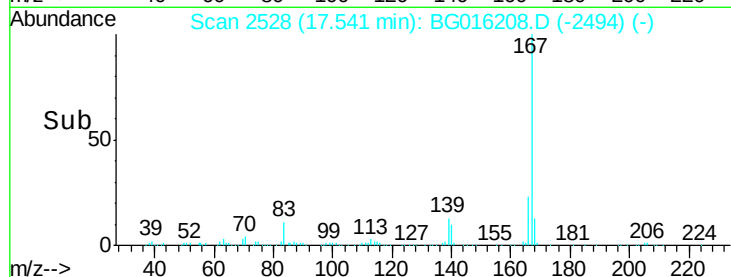


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->

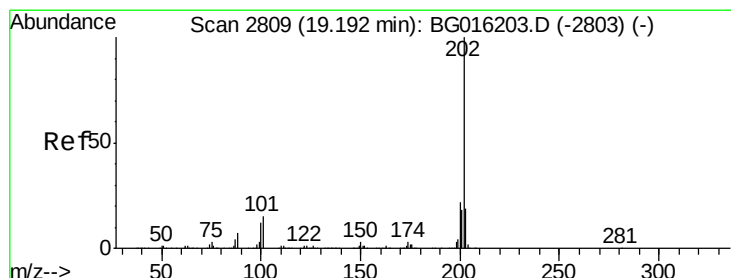


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



#74

Fluoranthene

Concen: 42.64 ng/ul

RT: 19.20 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

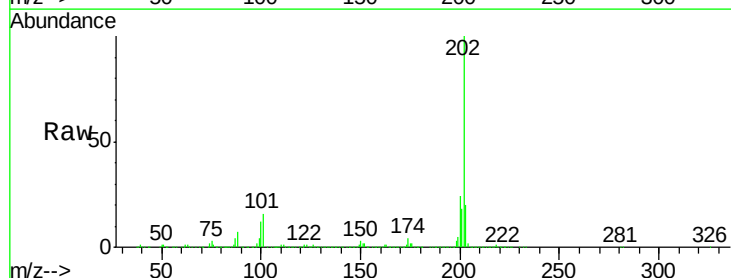
Tgt Ion:202 Resp: 1202461

Ion Ratio Lower Upper

202 100

101 15.7 11.8 17.8

100 12.2 9.4 14.0

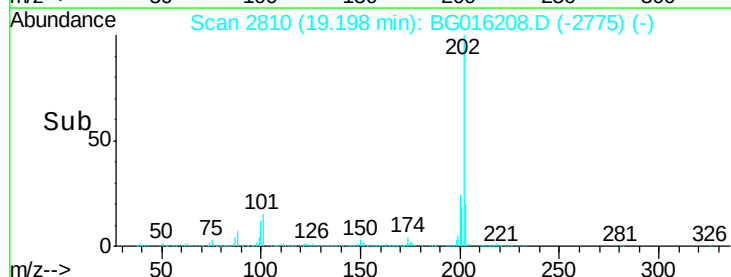


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->

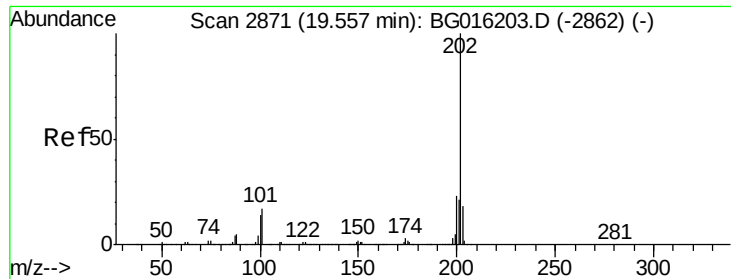


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#77

Pyrene

Concen: 34.68 ng/ul

RT: 19.56 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6

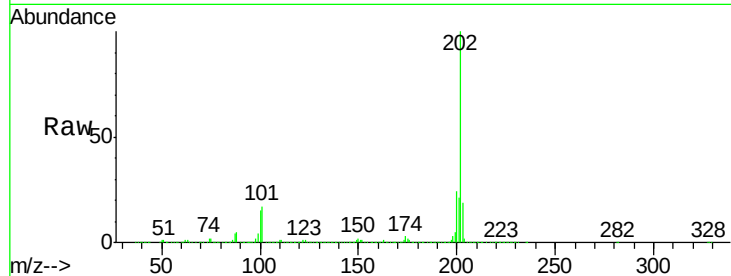
Tgt Ion:202 Resp: 941185

Ion Ratio Lower Upper

202 100

101 17.3 13.4 20.0

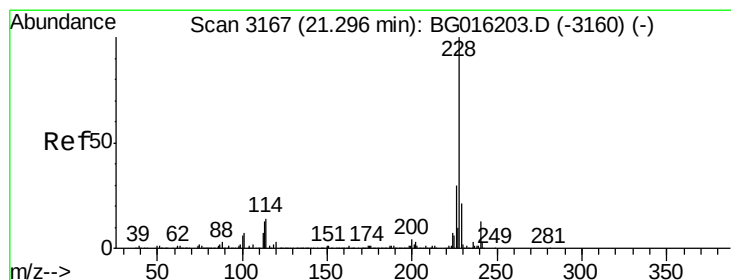
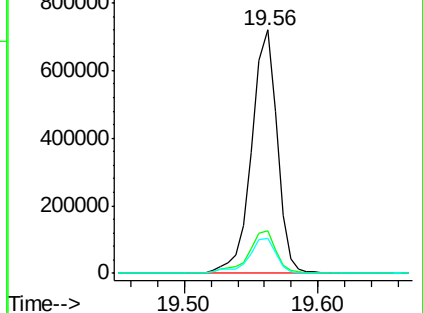
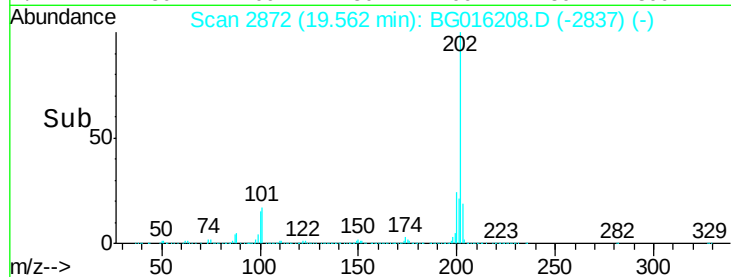
100 14.5 11.1 16.7



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

Benzo(a)anthracene

Concen: 17.84 ng/ul

RT: 21.30 min Scan# 3168

Delta R.T. 0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

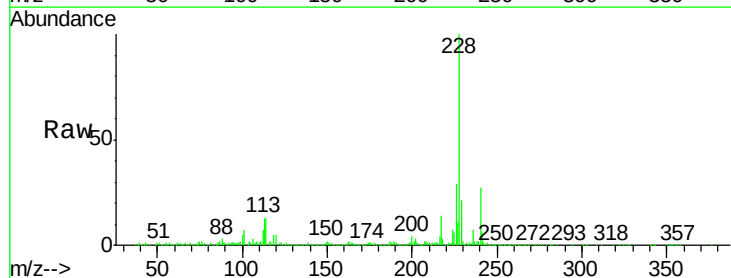
Tgt Ion:228 Resp: 451526

Ion Ratio Lower Upper

228 100

229 21.1 16.5 24.7

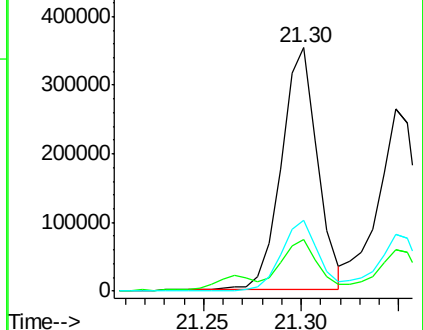
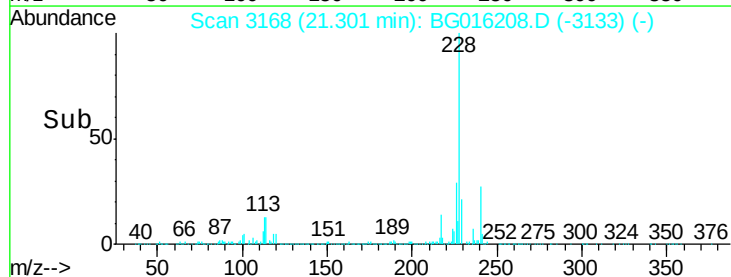
226 28.9 23.0 34.4

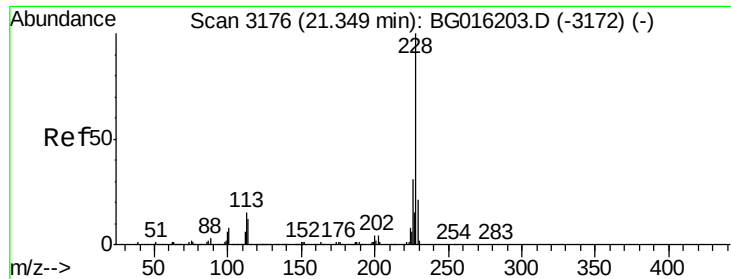


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.61 ng/ul

RT: 21.35 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6

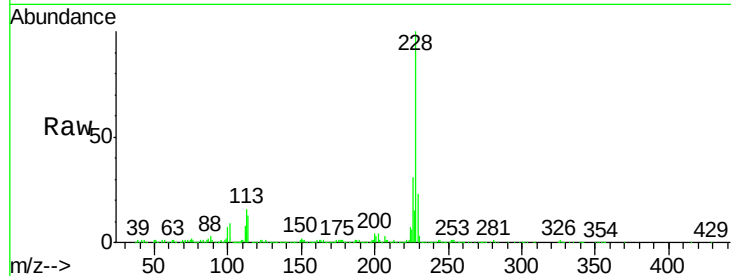
Tgt Ion:228 Resp: 366965

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

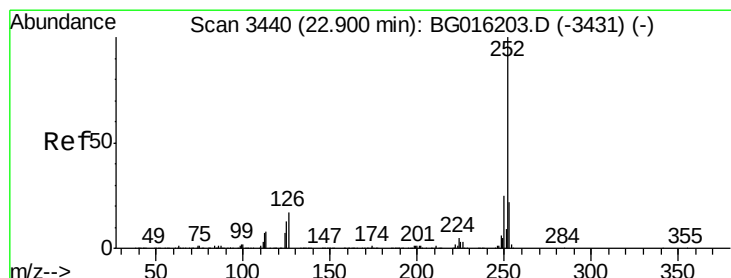
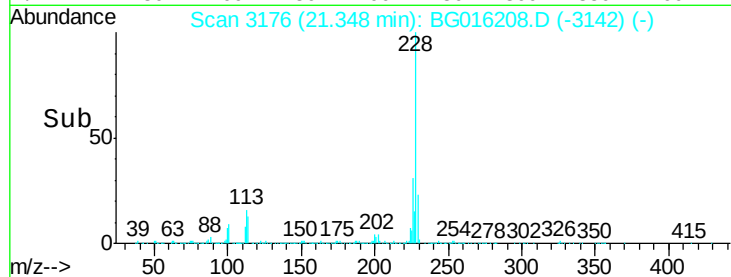
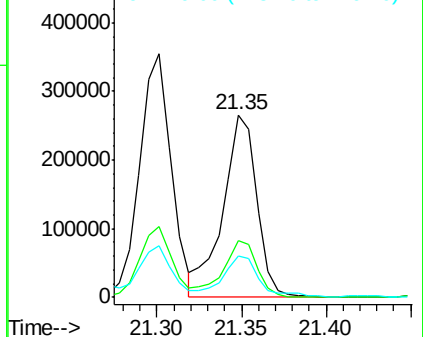
229 23.0 16.5 24.7



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: 18.13 ng/ul

RT: 22.91 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

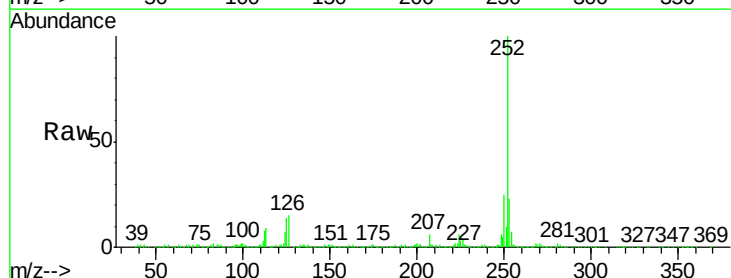
Tgt Ion:252 Resp: 457517

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

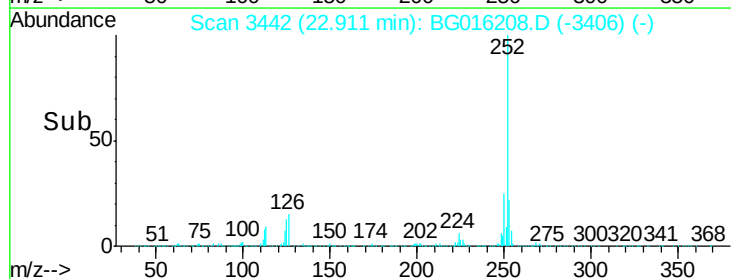
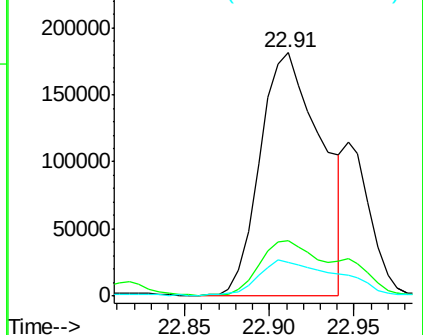
125 13.7 10.6 15.8

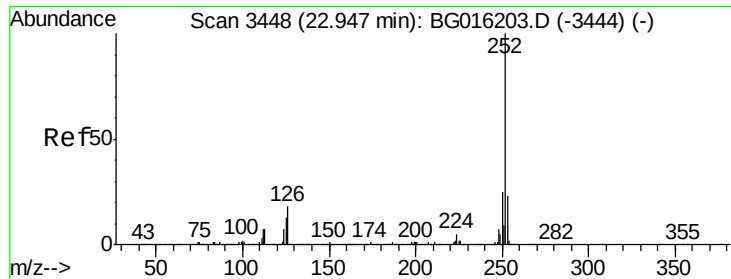


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

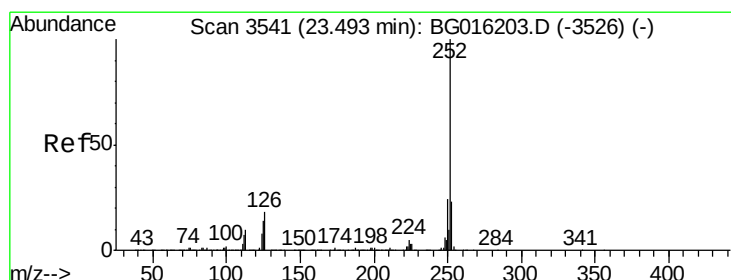
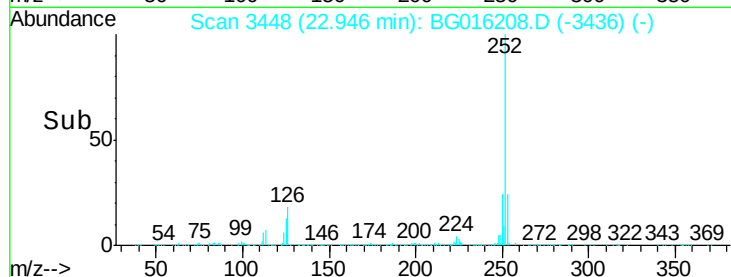
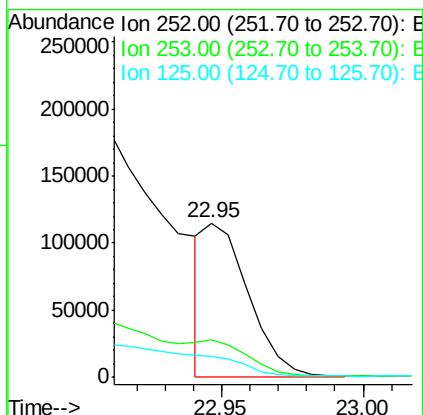
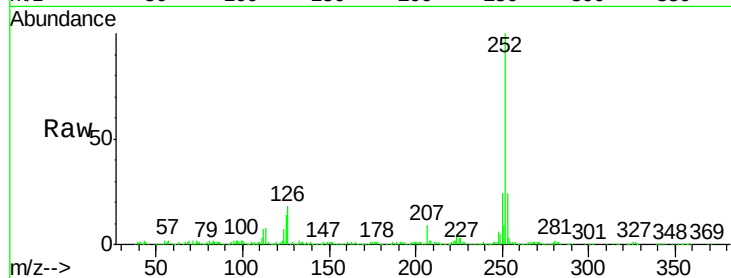




#86
Benzo(k)fluoranthene
Concen: 5.14 ng/ul m
RT: 22.95 min Scan# 3448
Delta R.T. -0.00 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

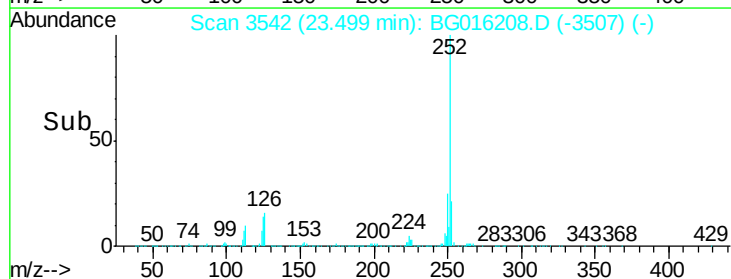
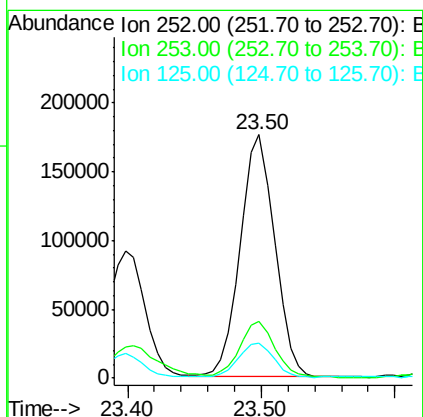
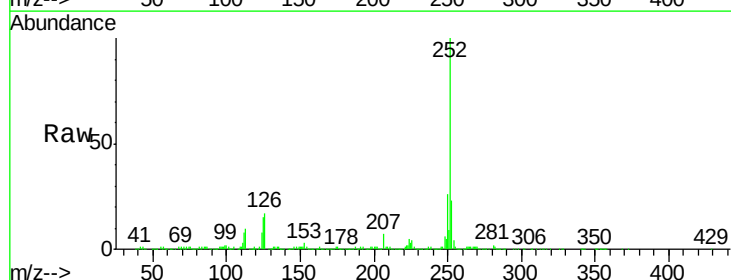
Instrument :
BNA_G
ClientSampleId :
C0AD6

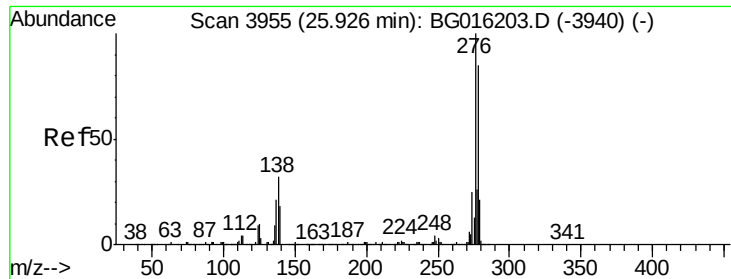
Tgt Ion:252 Resp: 124927
Ion Ratio Lower Upper
252 100
253 24.3 18.6 28.0
125 13.7 11.8 17.6



#88
Benzo(a)pyrene
Concen: 13.10 ng/ul
RT: 23.50 min Scan# 3542
Delta R.T. 0.01 min
Lab File: BG016208.D
Acq: 31 Mar 2015 20:03

Tgt Ion:252 Resp: 315218
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 14.5 12.1 18.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.45 ng/ul

RT: 25.93 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6

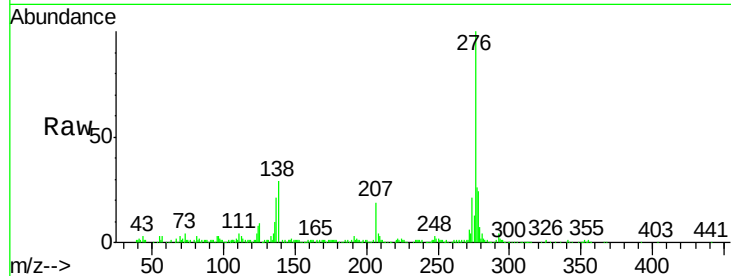
Tgt Ion:276 Resp: 181351

Ion Ratio Lower Upper

276 100

138 28.6 27.0 40.6

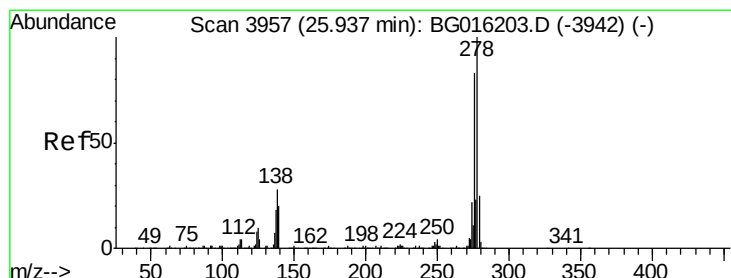
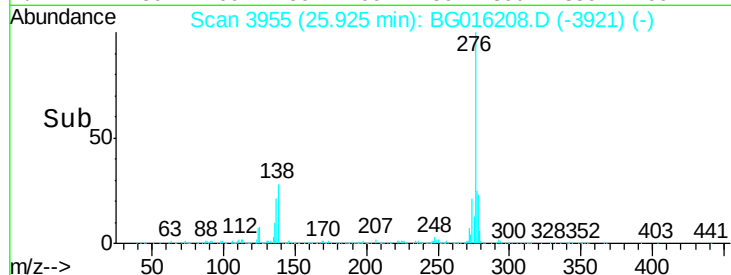
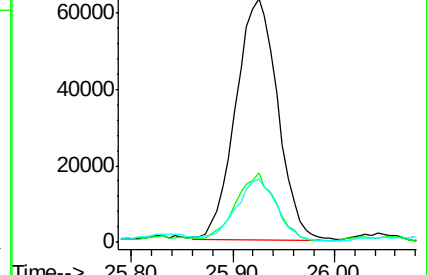
277 25.9 21.8 32.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.23 ng/ul m

RT: 25.93 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BG016208.D

Acq: 31 Mar 2015 20:03

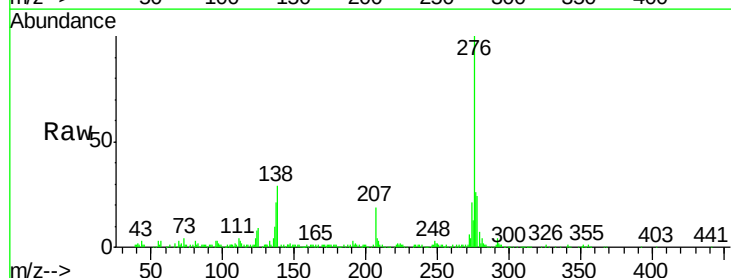
Tgt Ion:278 Resp: 52261

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

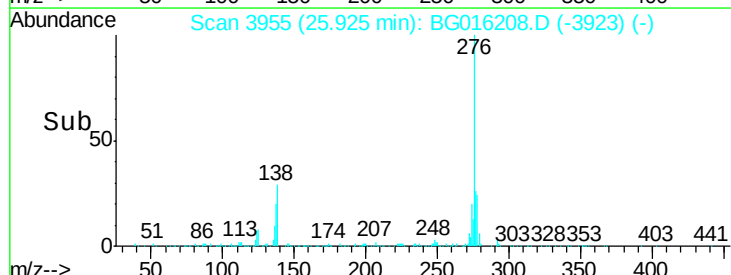
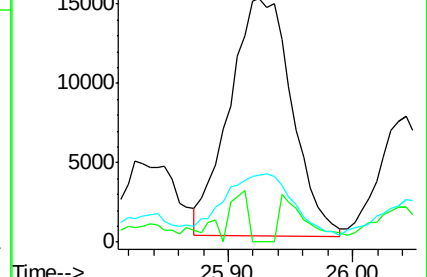
279 27.4 19.3 28.9

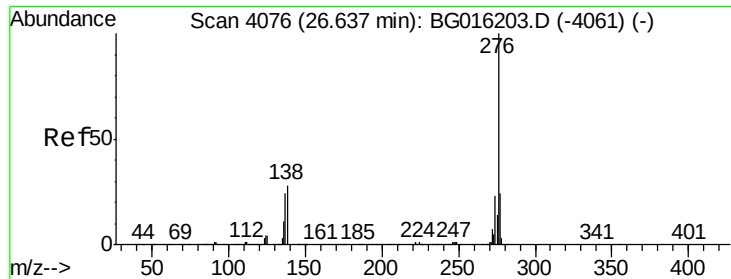


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.62 ng/ul

RT: 26.64 min Scan# 4077

Delta R.T. 0.01 min

Lab File: BG016208.D

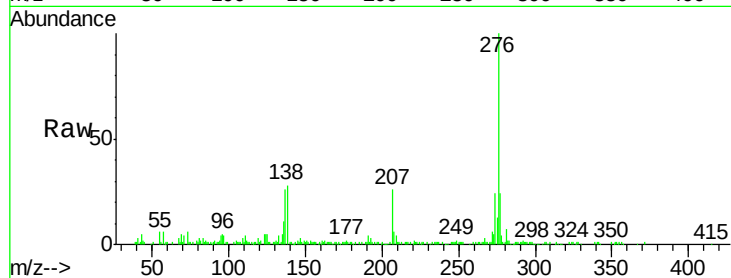
Acq: 31 Mar 2015 20:03

Instrument :

BNA_G

ClientSampleId :

C0AD6



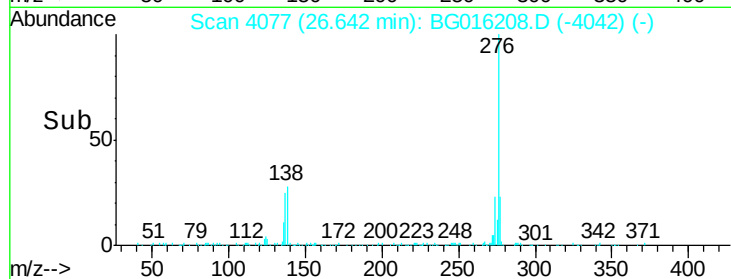
Tgt Ion: 276 Resp: 129299

Ion Ratio Lower Upper

276 100

138 28.2 21.0 31.6

277 24.0 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

