

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
 Data File : BG016204.D
 Acq On : 31 Mar 2015 17:45
 Operator : TP/IZ
 Sample : G1647-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Quant Time: Apr 01 06:20:52 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	89697	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	389619	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	221246	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	427614	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	425893	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	423791	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	6.93	99	218202	26.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	128012	26.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	170281	26.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	165469	25.83	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	92563	28.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	98005	26.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	149111	25.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	169514	21.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	420517	28.75	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	565940	27.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	85757	23.26	ng/ul	0.00
57) Fluorene-d10	15.38	176	383661	26.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	71979	24.63	ng/ul	0.00
70) Anthracene-d10	17.23	188	522821	26.61	ng/ul	0.00
76) Pyrene-d10	19.53	212	507802	26.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	454548	23.77	ng/ul	0.00

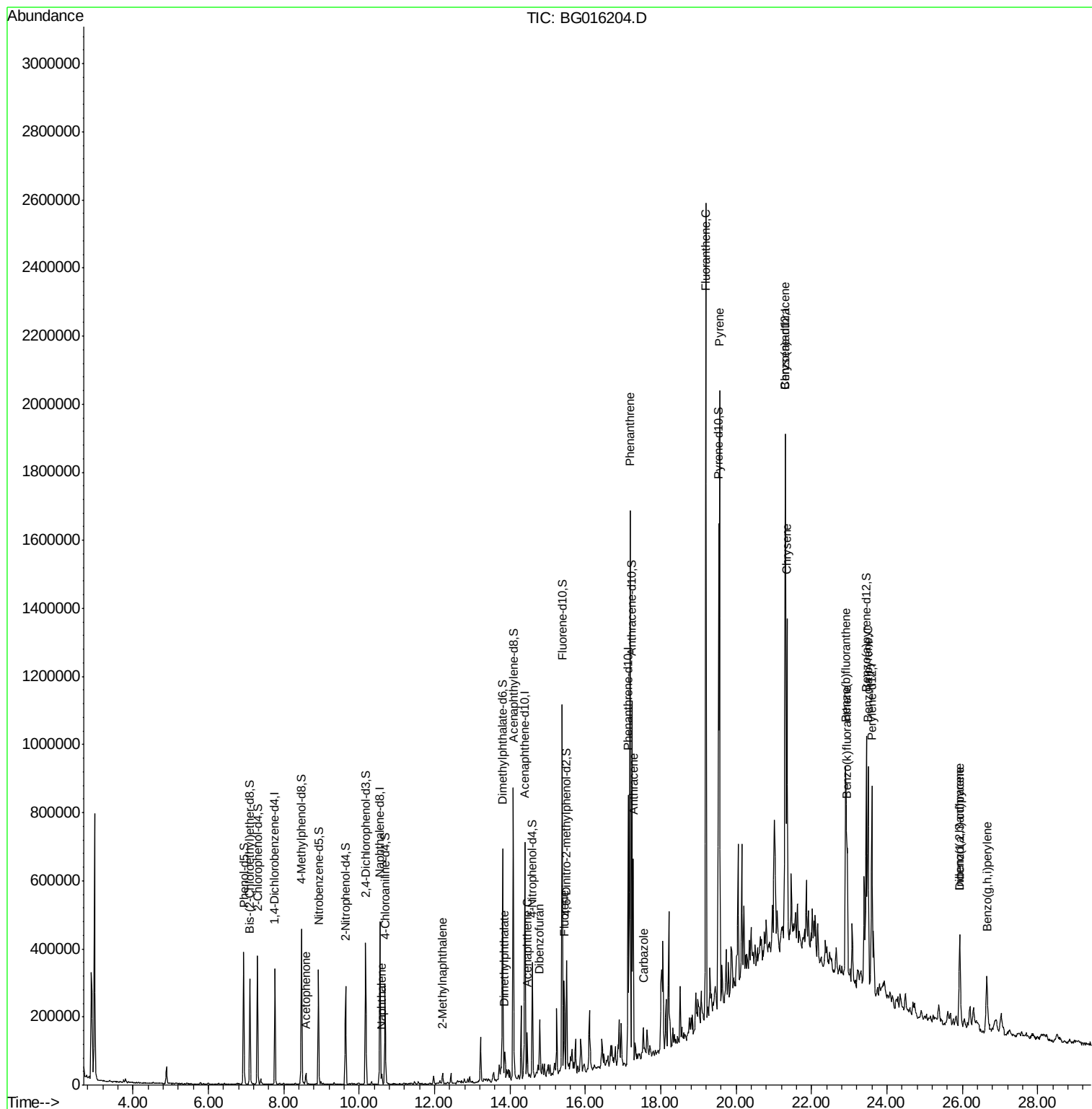
Target Compounds

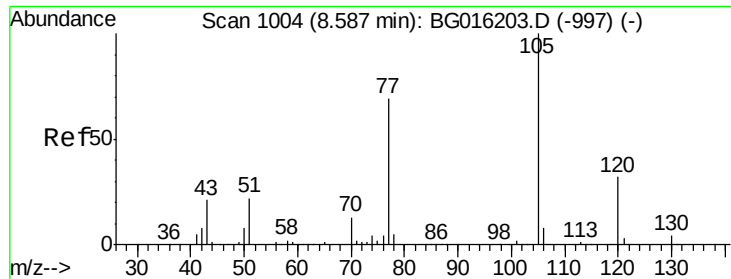
						Qvalue
14) Acetophenone	8.59	105	17412	1.80	ng/ul	95
28) Naphthalene	10.60	128	21958	1.05	ng/ul#	94
34) 2-Methylnaphthalene	12.21	142	15575	1.05	ng/ul	99
44) Dimethylphthalate	13.85	163	34737	2.11	ng/ul	99
49) Acenaphthene	14.46	153	51572	3.34	ng/ul	99
53) Dibenzofuran	14.79	168	71004	3.54	ng/ul	100
58) Fluorene	15.44	166	109757	6.25	ng/ul	99
69) Phenanthrene	17.18	178	906831	37.36	ng/ul	98
71) Anthracene	17.27	178	321497	12.96	ng/ul	98
72) Carbazole	17.53	167	50588	2.11	ng/ul	96
74) Fluoranthene	19.20	202	1214165	45.00	ng/ul	99
77) Pyrene	19.56	202	997231	37.72	ng/ul	100
80) Benzo(a)anthracene	21.30	228	532004	21.58	ng/ul	98
82) Chrysene	21.35	228	449703	19.64	ng/ul	96
85) Benzo(b)fluoranthene	22.91	252	548992	21.69	ng/ul	97
86) Benzo(k)fluoranthene	22.95	252	180886m	7.42	ng/ul	
88) Benzo(a)pyrene	23.50	252	415022	17.20	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.93	276	227672	8.07	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.94	278	62672	2.67	ng/ul#	89
91) Benzo(g,h,i)perylene	26.65	276	176472	7.65	ng/ul	99

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

```
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Sample    : G1647-10  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
Response via : Initial Calibration

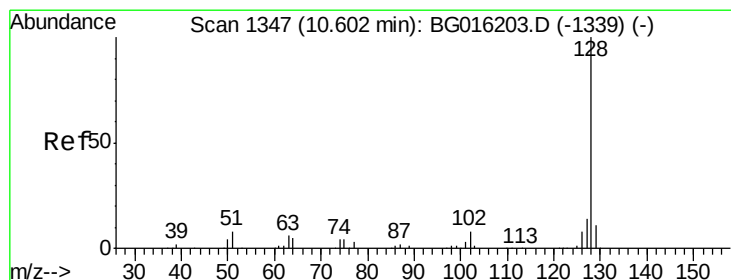
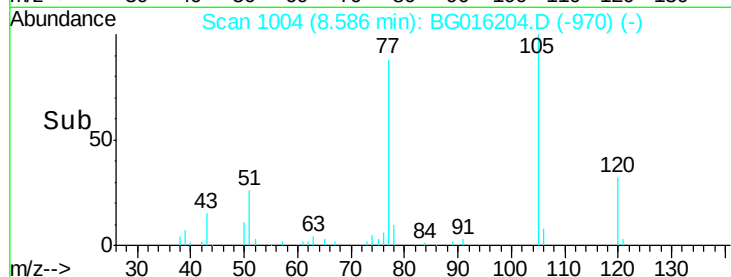
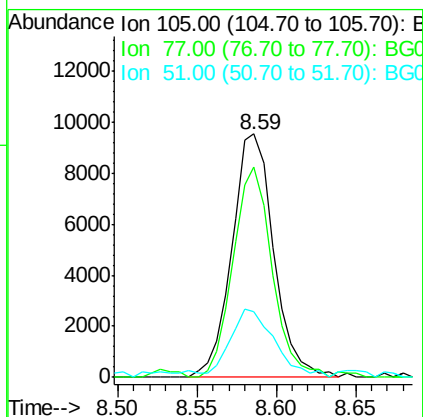
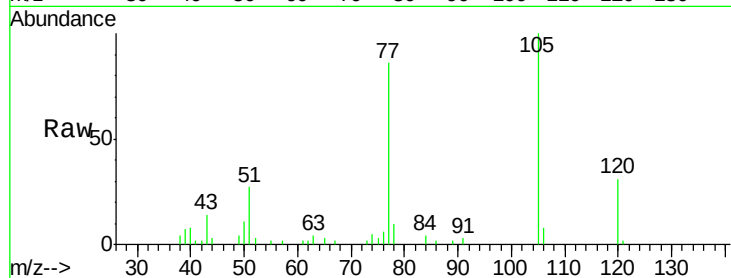




#14
Acetophenone
Concen: 1.80 ng/ul
RT: 8.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

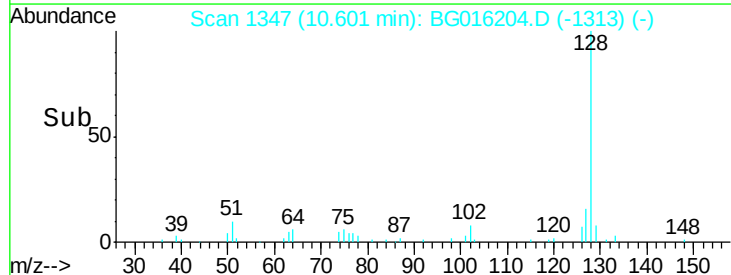
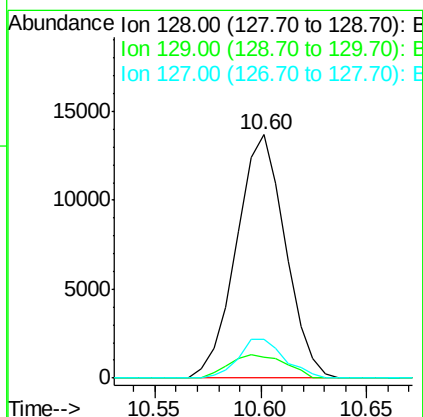
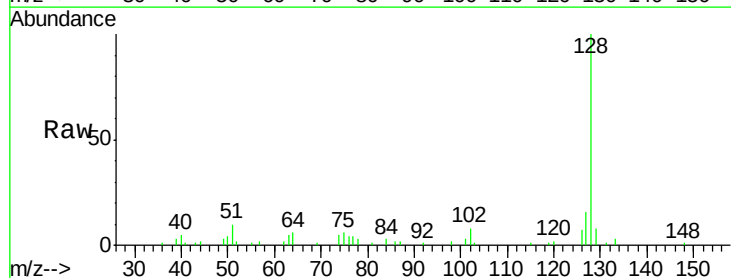
Instrument :
BNA_G
ClientSampleId :
C0AC9

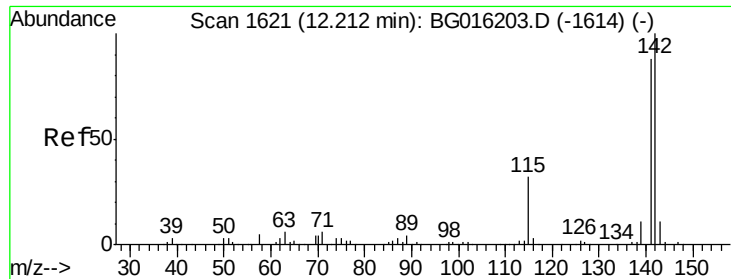
Tgt Ion:105 Resp: 17412
Ion Ratio Lower Upper
105 100
77 86.4 64.6 97.0
51 27.2 21.6 32.4



#28
Naphthalene
Concen: 1.05 ng/ul
RT: 10.60 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

Tgt Ion:128 Resp: 21958
Ion Ratio Lower Upper
128 100
129 8.4 9.2 13.8#
127 15.7 11.4 17.0

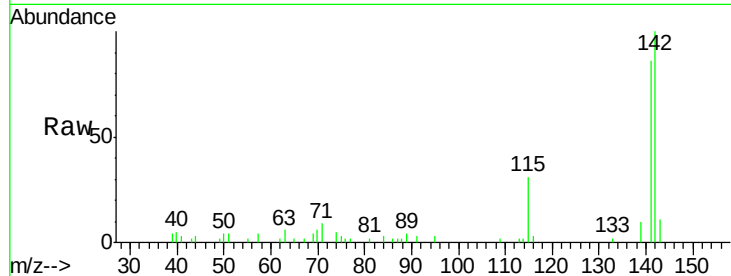




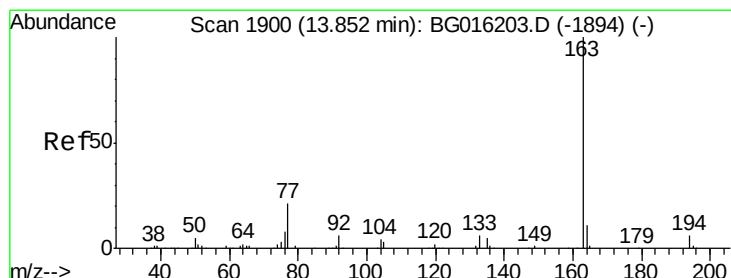
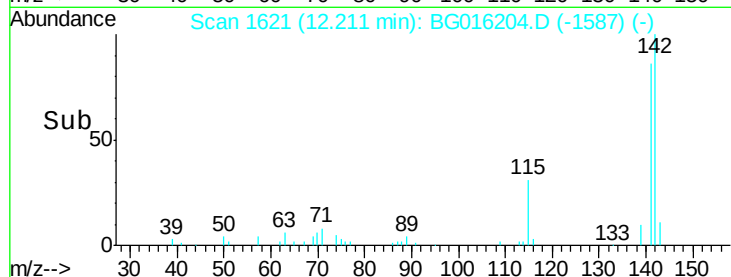
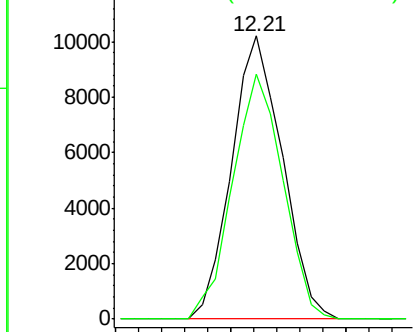
#34
 2-Methylnaphthalene
 Concen: 1.05 ng/ul
 RT: 12.21 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BG016204.D
 Acq: 31 Mar 2015 17:45

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Tgt Ion:142 Resp: 15575
 Ion Ratio Lower Upper
 142 100
 141 86.3 69.7 104.5

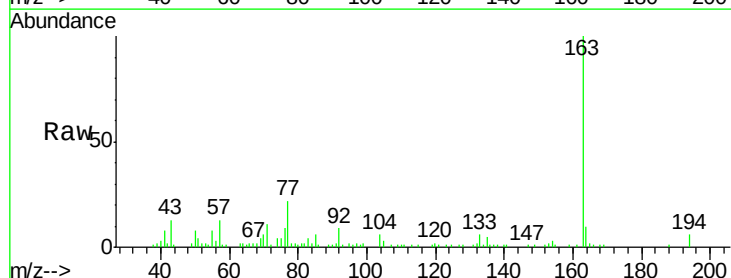


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

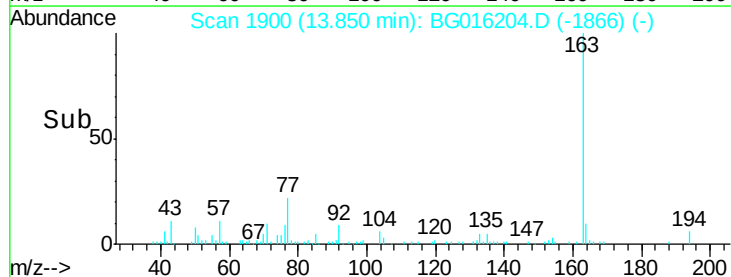
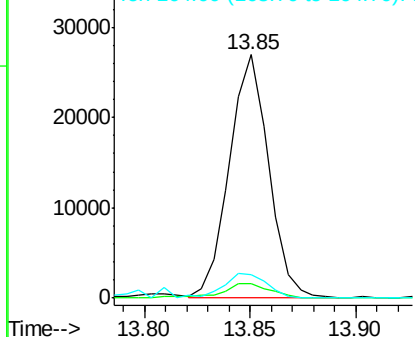


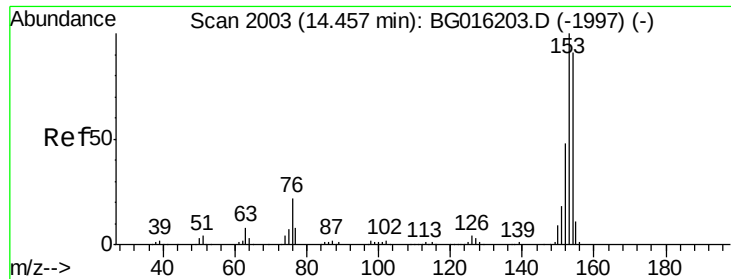
#44
 Dimethylphthalate
 Concen: 2.11 ng/ul
 RT: 13.85 min Scan# 1900
 Delta R.T. -0.00 min
 Lab File: BG016204.D
 Acq: 31 Mar 2015 17:45

Tgt Ion:163 Resp: 34737
 Ion Ratio Lower Upper
 163 100
 194 6.1 4.8 7.2
 164 9.7 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: 3.34 ng/ul

RT: 14.46 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

ClientSampleId :

C0AC9

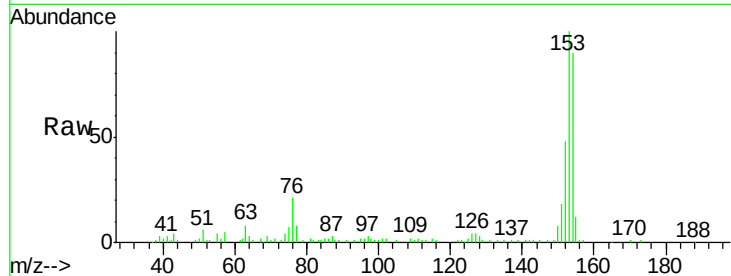
Tgt Ion:153 Resp: 51572

Ion Ratio Lower Upper

153 100

152 48.0 39.0 58.4

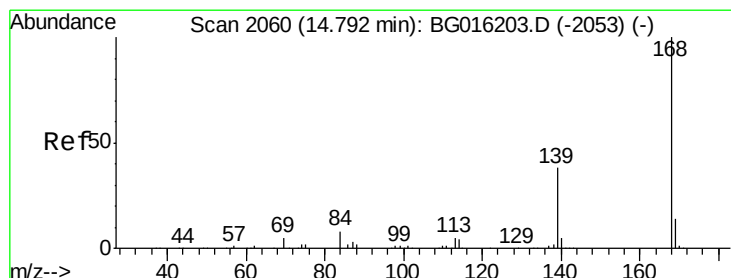
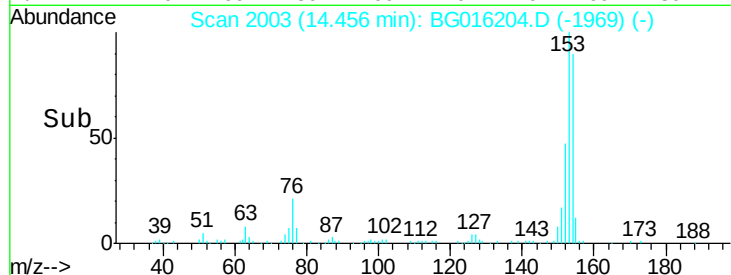
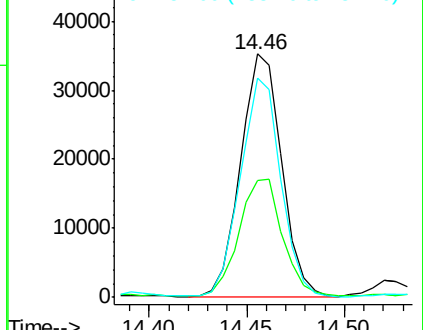
154 90.3 72.5 108.7



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

Dibenzofuran

Concen: 3.54 ng/ul

RT: 14.79 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BG016204.D

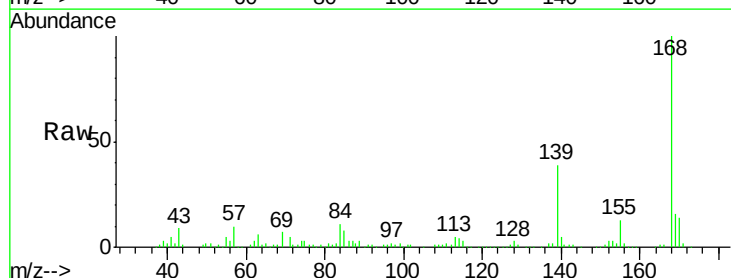
Acq: 31 Mar 2015 17:45

Tgt Ion:168 Resp: 71004

Ion Ratio Lower Upper

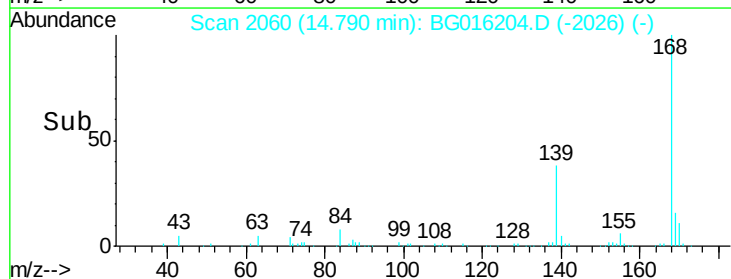
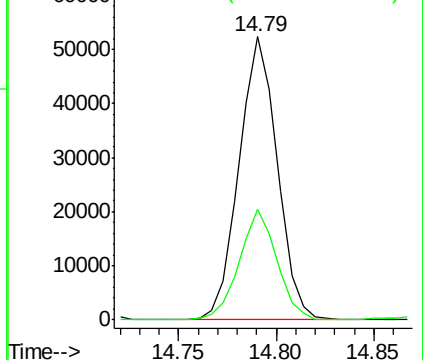
168 100

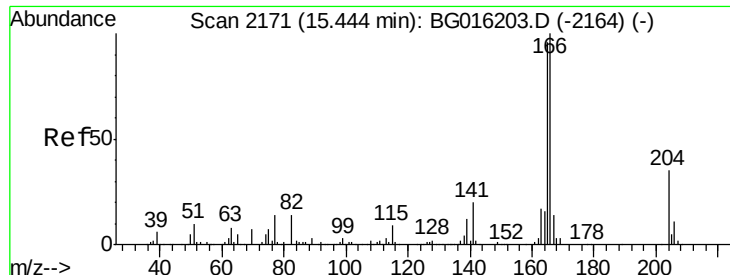
139 39.0 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.25 ng/ul

RT: 15.44 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

ClientSampleId :

C0AC9

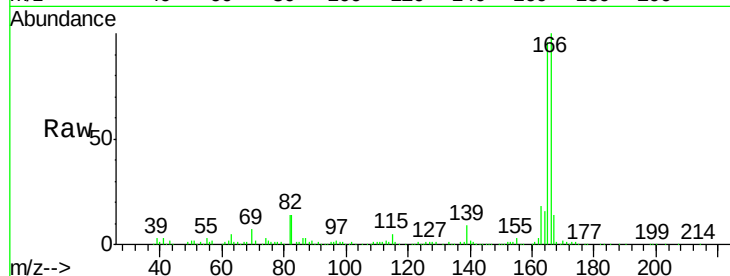
Tgt Ion:166 Resp: 109757

Ion Ratio Lower Upper

166 100

165 95.8 75.6 113.4

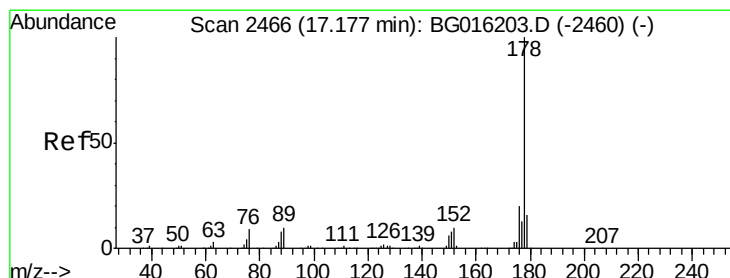
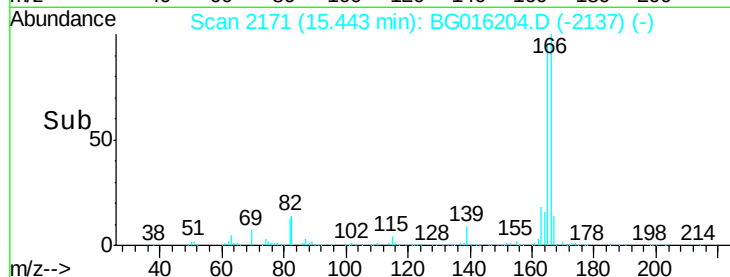
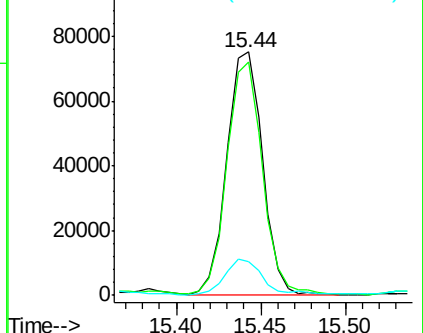
167 13.9 10.7 16.1



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: 37.36 ng/ul

RT: 17.18 min Scan# 2467

Delta R.T. 0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

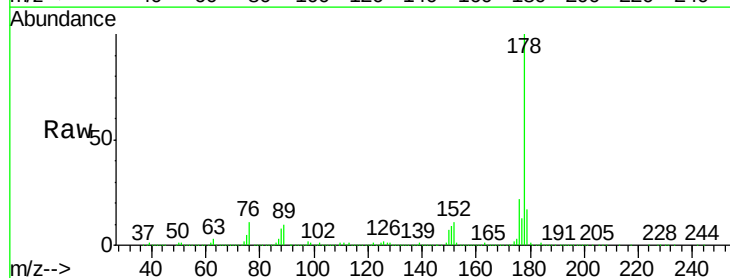
Tgt Ion:178 Resp: 906831

Ion Ratio Lower Upper

178 100

179 16.5 12.6 19.0

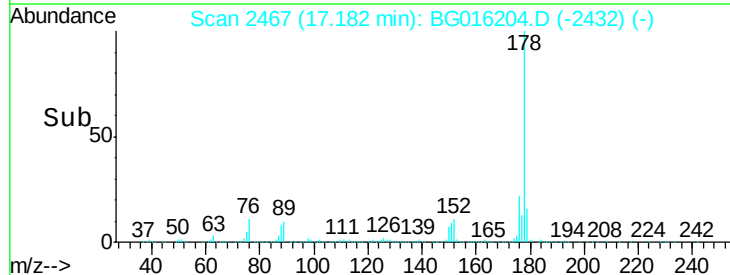
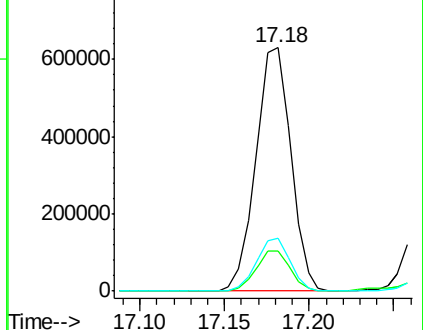
176 21.6 16.6 24.8

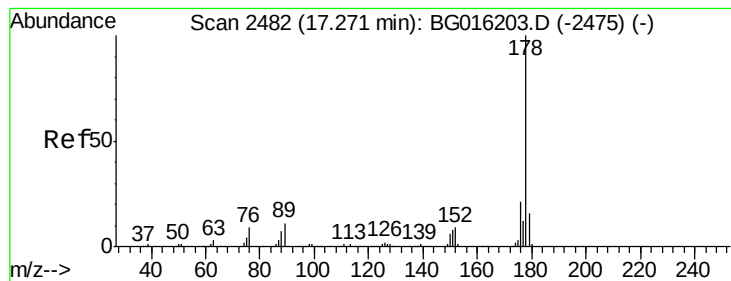


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 12.96 ng/ul

RT: 17.27 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

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C0AC9

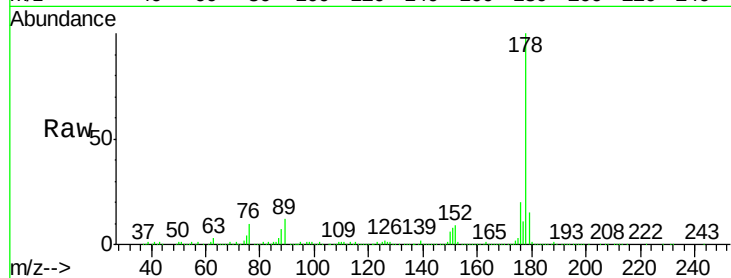
Tgt Ion:178 Resp: 321497

Ion Ratio Lower Upper

178 100

179 14.7 13.0 19.4

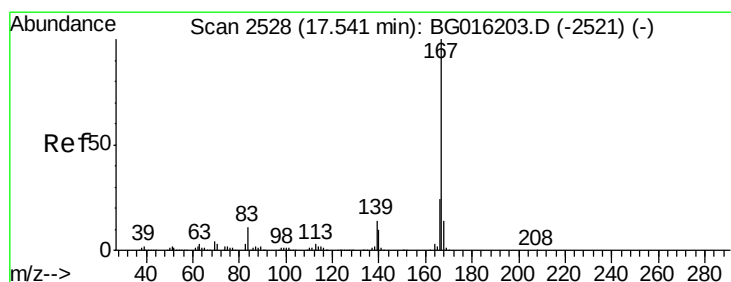
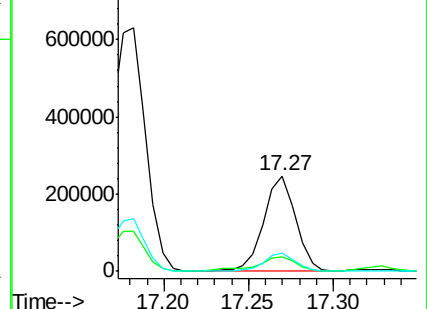
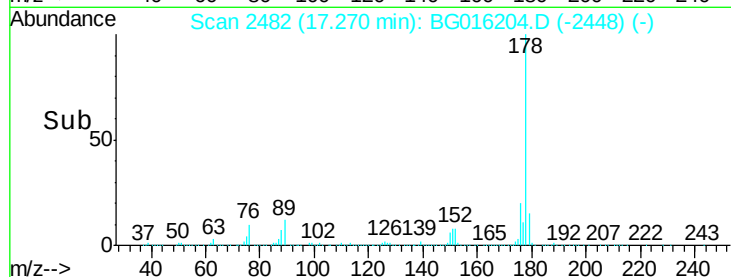
176 19.5 15.9 23.9



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: 2.11 ng/ul

RT: 17.53 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

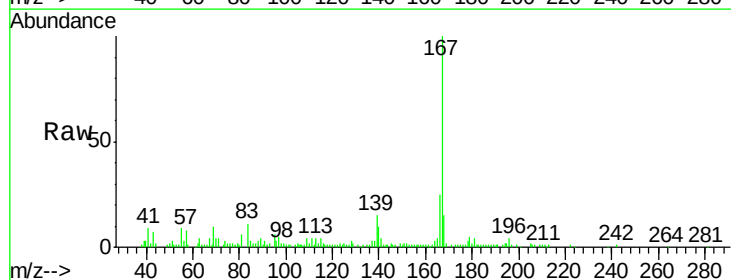
Tgt Ion:167 Resp: 50588

Ion Ratio Lower Upper

167 100

166 24.8 18.4 27.6

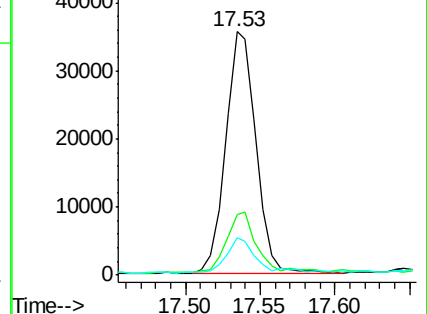
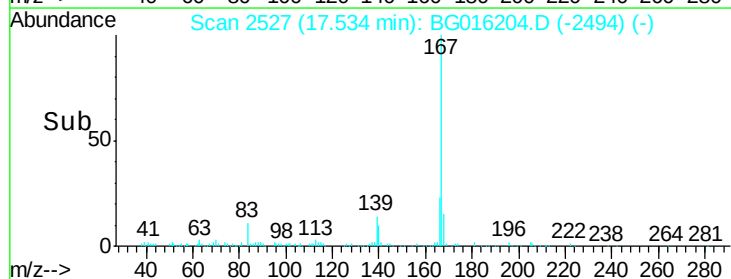
139 15.2 10.7 16.1

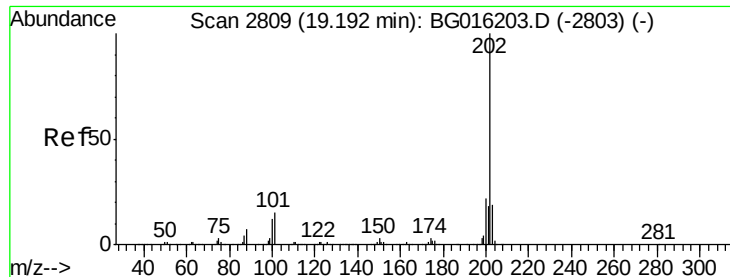


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.00 ng/ul

RT: 19.20 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

ClientSampleId :

C0AC9

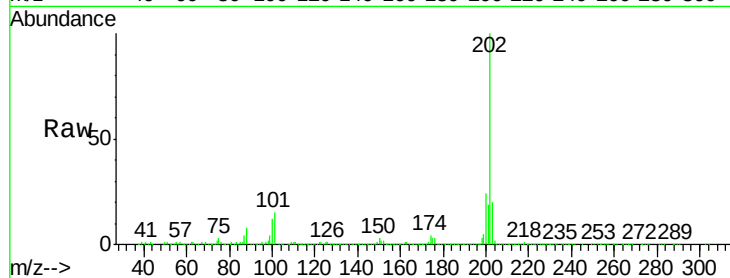
Tgt Ion:202 Resp: 1214165

Ion Ratio Lower Upper

202 100

101 15.3 11.8 17.8

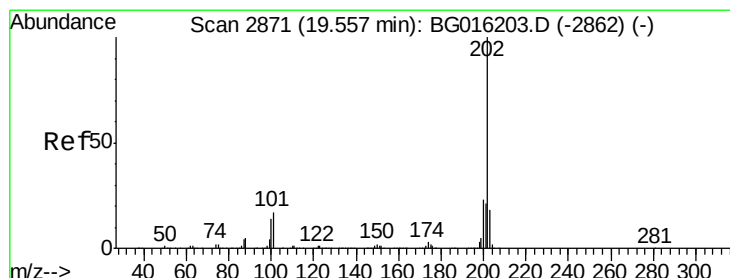
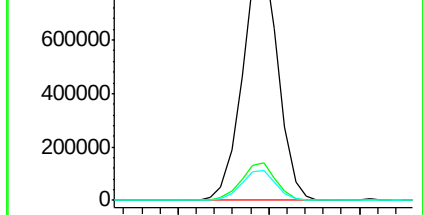
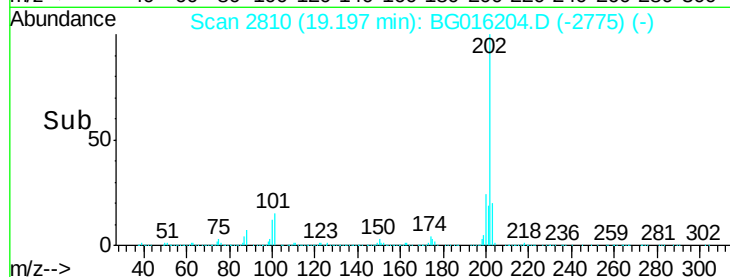
100 12.2 9.4 14.0



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): B



#77

Pyrene

Concen: 37.72 ng/ul

RT: 19.56 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

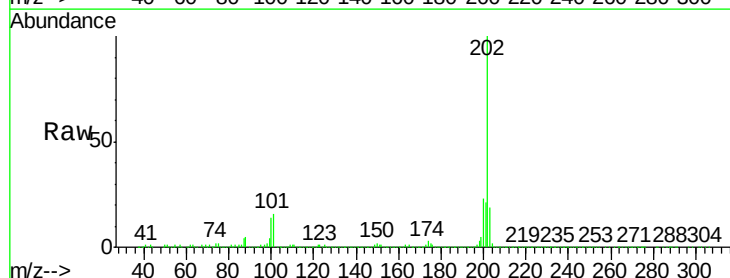
Tgt Ion:202 Resp: 997231

Ion Ratio Lower Upper

202 100

101 16.4 13.4 20.0

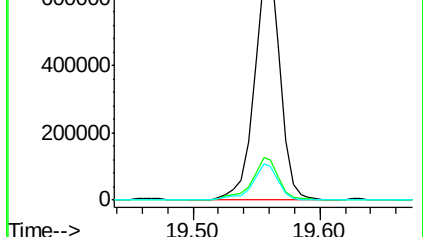
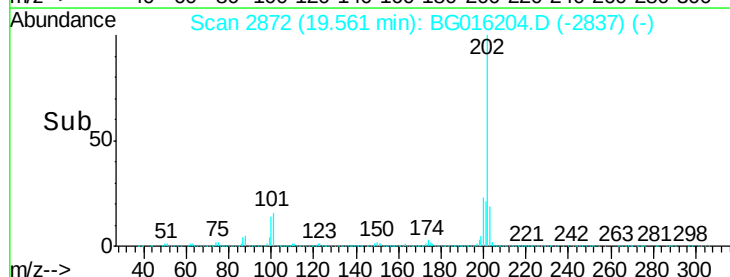
100 14.0 11.1 16.7

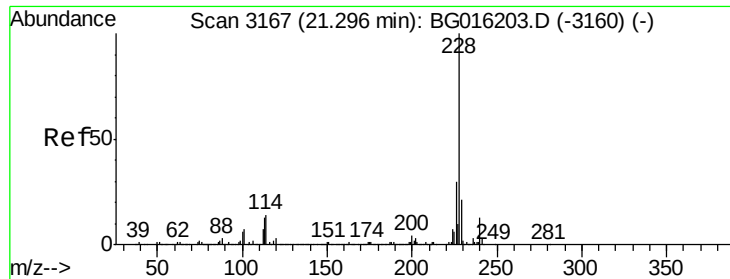


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

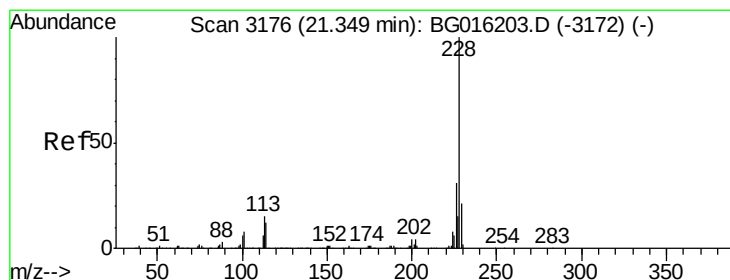
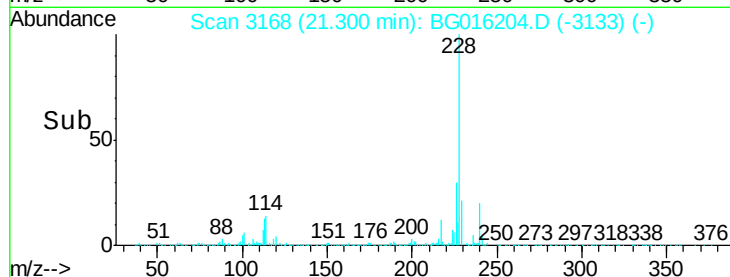
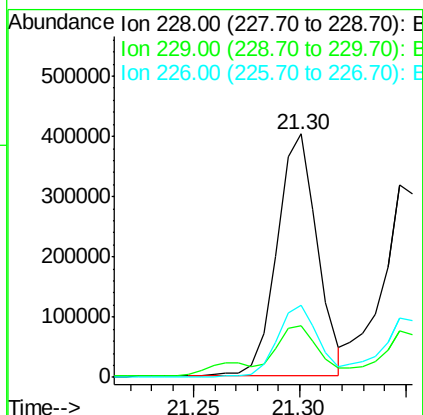
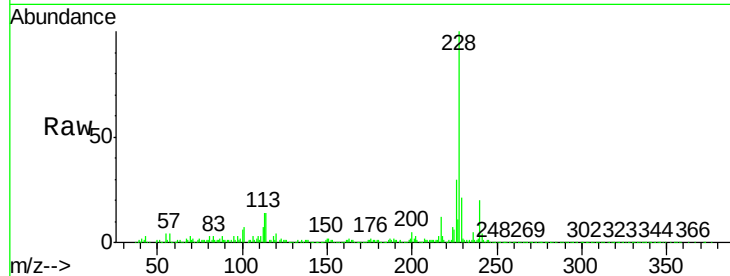




#80
Benzo(a)anthracene
Concen: 21.58 ng/ul
RT: 21.30 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

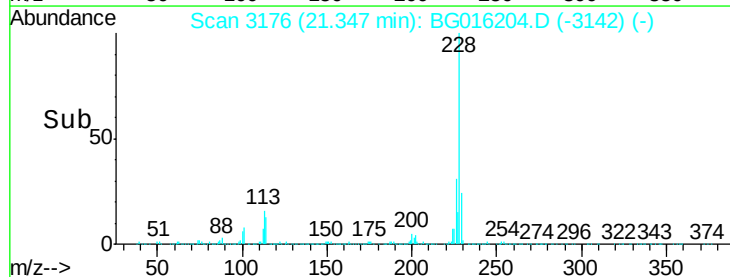
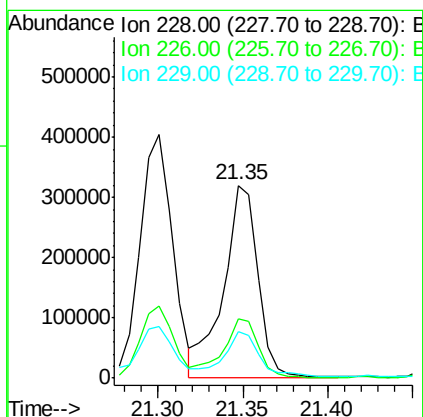
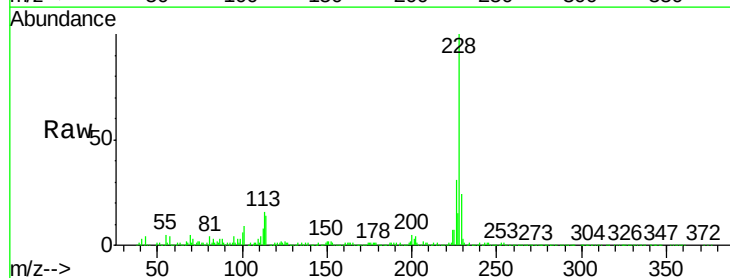
Instrument :
BNA_G
ClientSampleId :
C0AC9

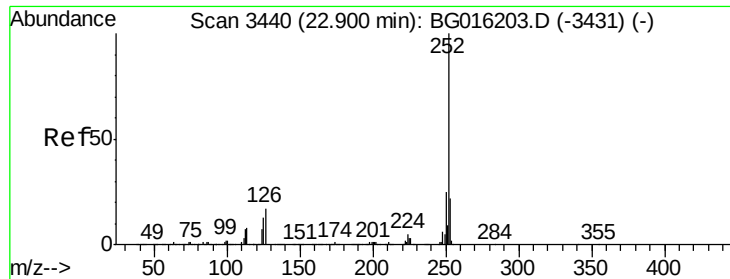
Tgt Ion:228 Resp: 532004
Ion Ratio Lower Upper
228 100
229 21.3 16.5 24.7
226 29.7 23.0 34.4



#82
Chrysene
Concen: 19.64 ng/ul
RT: 21.35 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

Tgt Ion:228 Resp: 449703
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 24.3 16.5 24.7

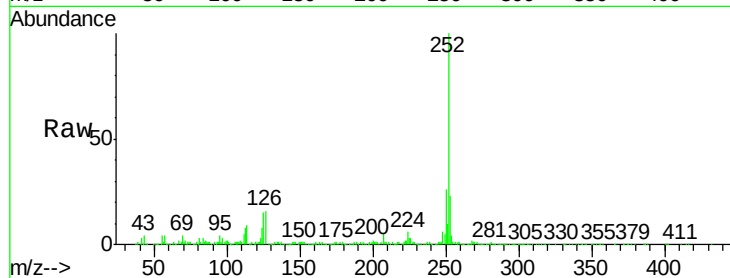




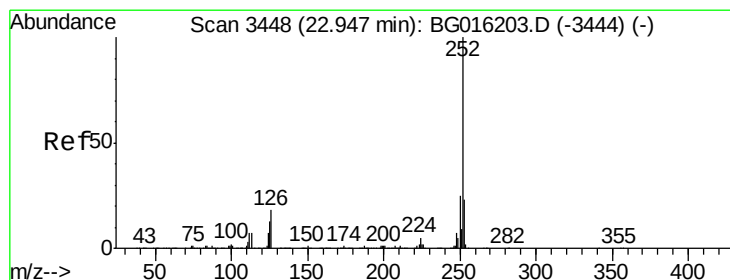
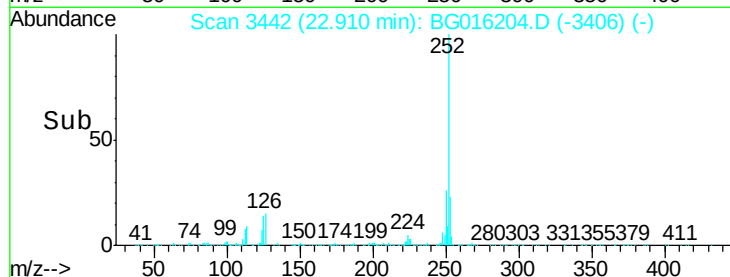
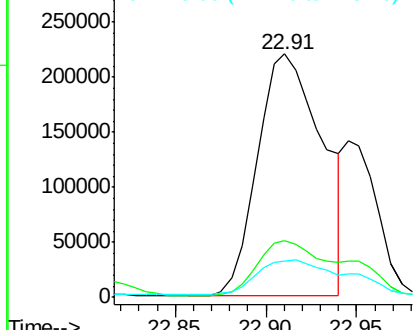
#85
Benzo(b)fluoranthene
Concen: 21.69 ng/ul
RT: 22.91 min Scan# 3442
Delta R.T. 0.01 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

Instrument :
BNA_G
ClientSampleId :
C0AC9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	14.9	10.6	15.8

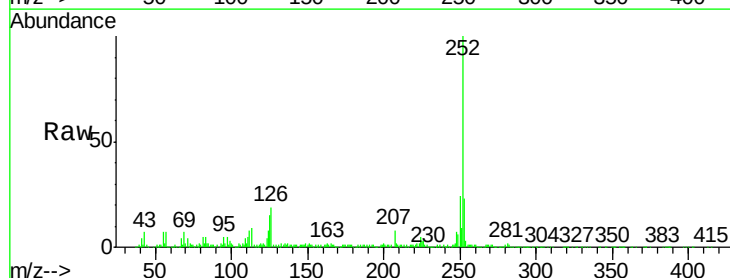


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

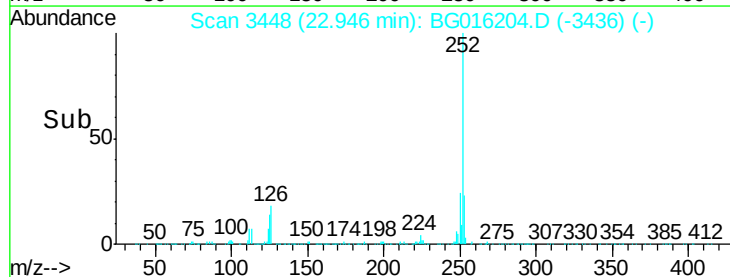
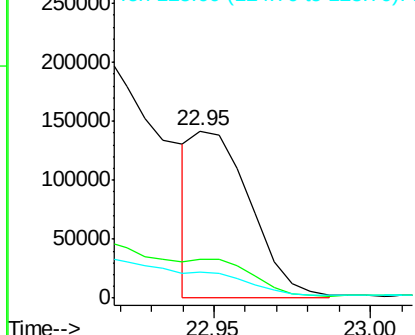


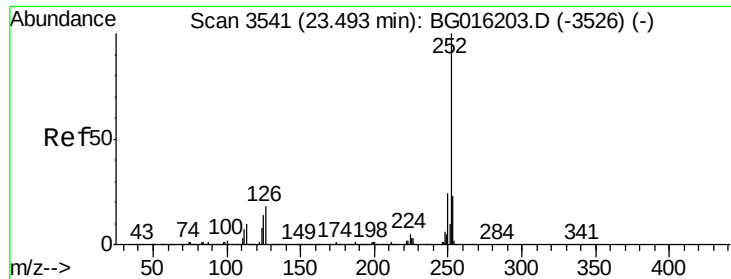
#86
Benzo(k)fluoranthene
Concen: 7.42 ng/ul m
RT: 22.95 min Scan# 3448
Delta R.T. -0.00 min
Lab File: BG016204.D
Acq: 31 Mar 2015 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	15.3	11.8	17.6



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





#88

Benzo(a)pyrene

Concen: 17.20 ng/ul

RT: 23.50 min Scan# 3543

Delta R.T. 0.01 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

ClientSampleId :

C0AC9

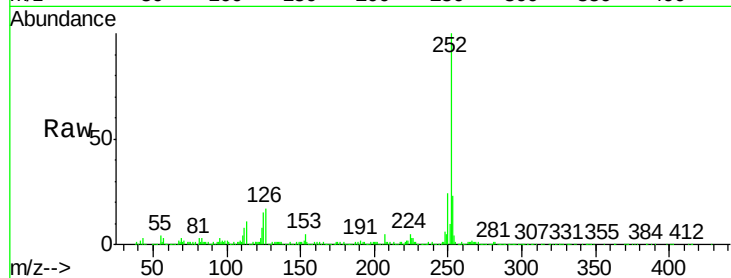
Tgt Ion:252 Resp: 415022

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

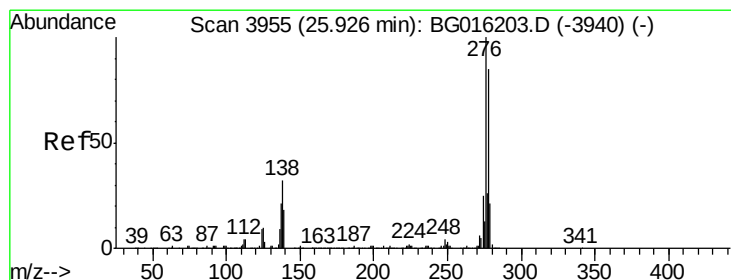
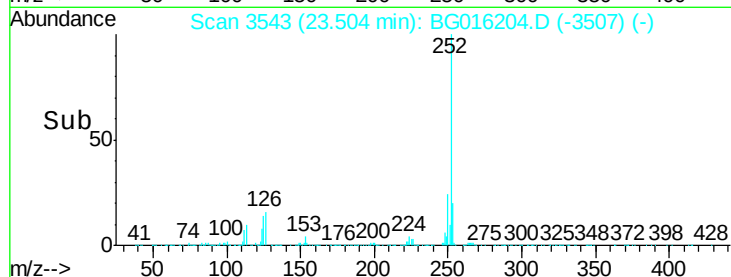
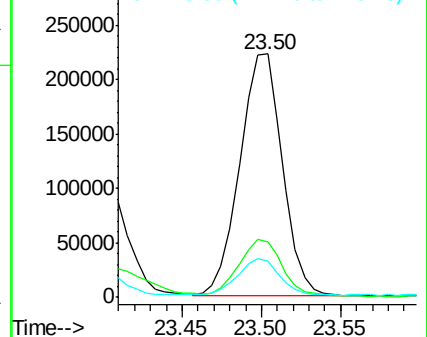
125 14.7 12.1 18.1



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.07 ng/ul

RT: 25.93 min Scan# 3956

Delta R.T. 0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

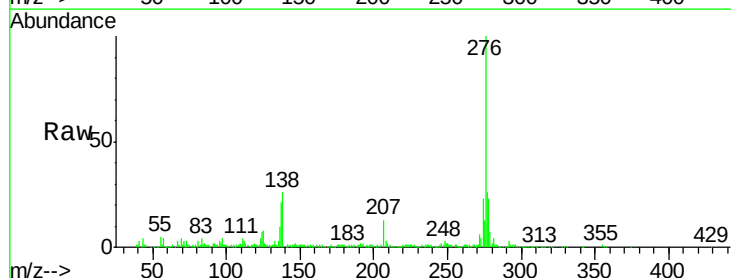
Tgt Ion:276 Resp: 227672

Ion Ratio Lower Upper

276 100

138 26.0 27.0 40.6#

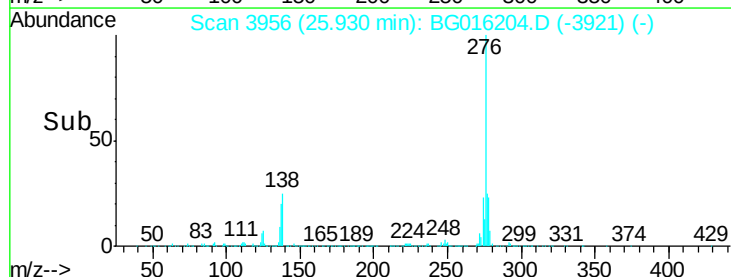
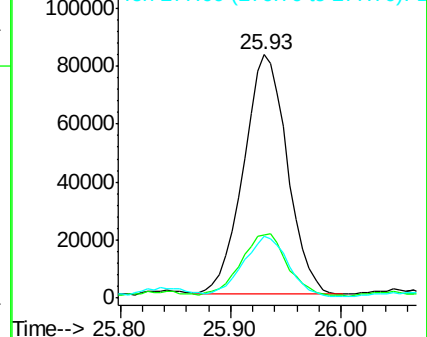
277 25.7 21.8 32.6

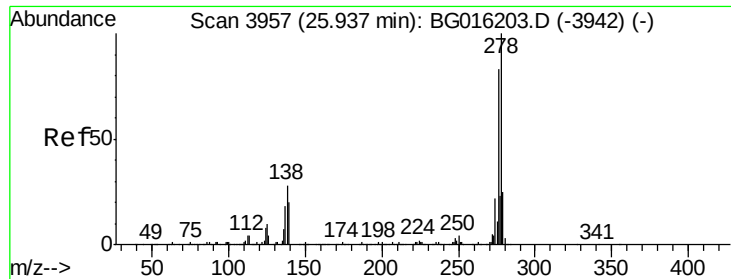


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.67 ng/ul

RT: 25.94 min Scan# 3957

Delta R.T. -0.00 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Instrument :

BNA_G

ClientSampleId :

C0AC9

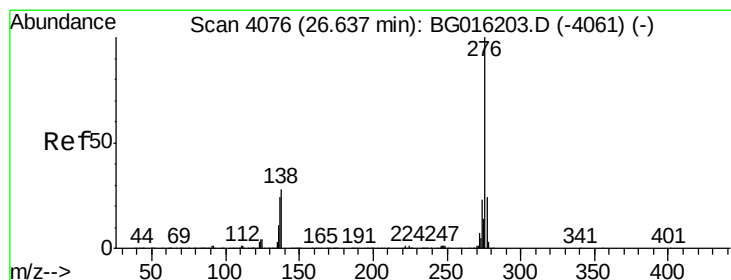
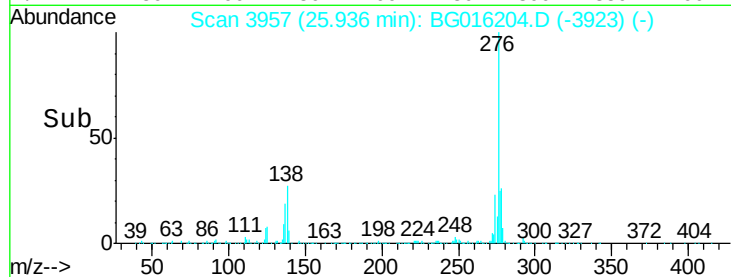
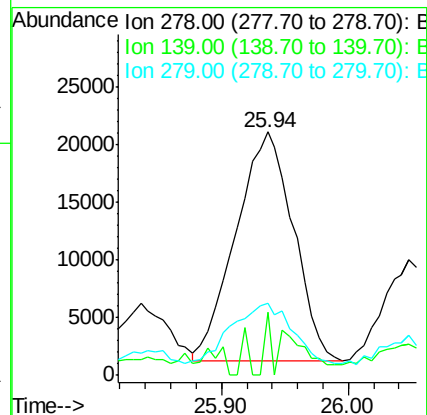
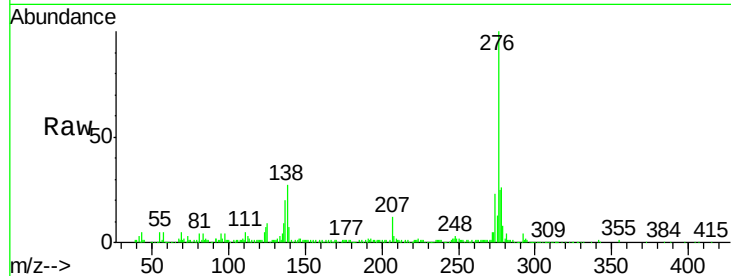
Tgt Ion:278 Resp: 62672

Ion Ratio Lower Upper

278 100

139 25.7 16.5 24.7#

279 29.6 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 7.65 ng/ul

RT: 26.65 min Scan# 4078

Delta R.T. 0.01 min

Lab File: BG016204.D

Acq: 31 Mar 2015 17:45

Tgt Ion:276 Resp: 176472

Ion Ratio Lower Upper

276 100

138 27.6 21.0 31.6

277 24.0 19.2 28.8

