

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033115\
 Data File : BG016209.D
 Acq On : 31 Mar 2015 20:38
 Operator : TP/IZ
 Sample : G1647-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 01 05:33:16 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	7.77	152	103898	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	457848	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	255968	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	452666	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	492575	20.00	ng/ul	0.01
83) Perylene-d12	23.64	264	479853	20.00	ng/ul	0.05

System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.93	96	132	0.06	ng/uL	-0.31
5) Phenol-d5	6.94	99	279723	29.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	163916	29.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	219379	29.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	220546	29.72	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	117940	30.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	128842	30.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	197876	28.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	162115	17.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	550719	32.55	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	731631	30.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	115818	27.16	ng/ul	0.00
57) Fluorene-d10	15.39	176	491571	29.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	68066	22.01	ng/ul	0.00
70) Anthracene-d10	17.24	188	651126	31.30	ng/ul	0.00
76) Pyrene-d10	19.54	212	623654	27.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	606757	28.02	ng/ul	0.05

Target Compounds				Ovalue		
14) Acetophenone	8.58	105	23990	2.14	ng/ul	99
28) Naphthalene	10.60	128	26788	1.09	ng/ul	99
34) 2-Methylnaphthalene	12.21	142	19550	1.12	ng/ul	98
44) Dimethylphthalate	13.85	163	37401	1.97	ng/ul#	97
49) Acenaphthene	14.46	153	29365	1.65	ng/ul	90
53) Dibenzofuran	14.79	168	33622	1.45	ng/ul	100
58) Fluorene	15.44	166	37634	1.85	ng/ul	97
69) Phenanthrene	17.18	178	337405	13.13	ng/ul	99
71) Anthracene	17.27	178	117352	4.47	ng/ul	99
72) Carbazole	17.54	167	39993	1.58	ng/ul#	91
74) Fluoranthene	19.20	202	1135059	39.74	ng/ul	99
77) Pyrene	19.56	202	1263506	41.32	ng/ul	95
80) Benzo(a)anthracene	21.31	228	831690	29.17	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.23	149	89338	4.61	ng/ul	97
82) Chrysene	21.36	228	742619	28.04	ng/ul	95
85) Benzo(b)fluoranthene	22.95	252	1513509	52.81	ng/ul#	82
86) Benzo(k)fluoranthene	22.95	252	280917	10.17	ng/ul#	85
88) Benzo(a)pyrene	23.55	252	1139839	41.72	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	25.98	276	805781	25.23	ng/ul#	92
90) Dibenzo(a,h)anthracene	25.98	278	191971	7.22	ng/ul#	74
91) Benzo(a,h,i)perylene	26.70	276	669669	25.65	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 01 04:39:57 2015
Response via : Initial Calibration

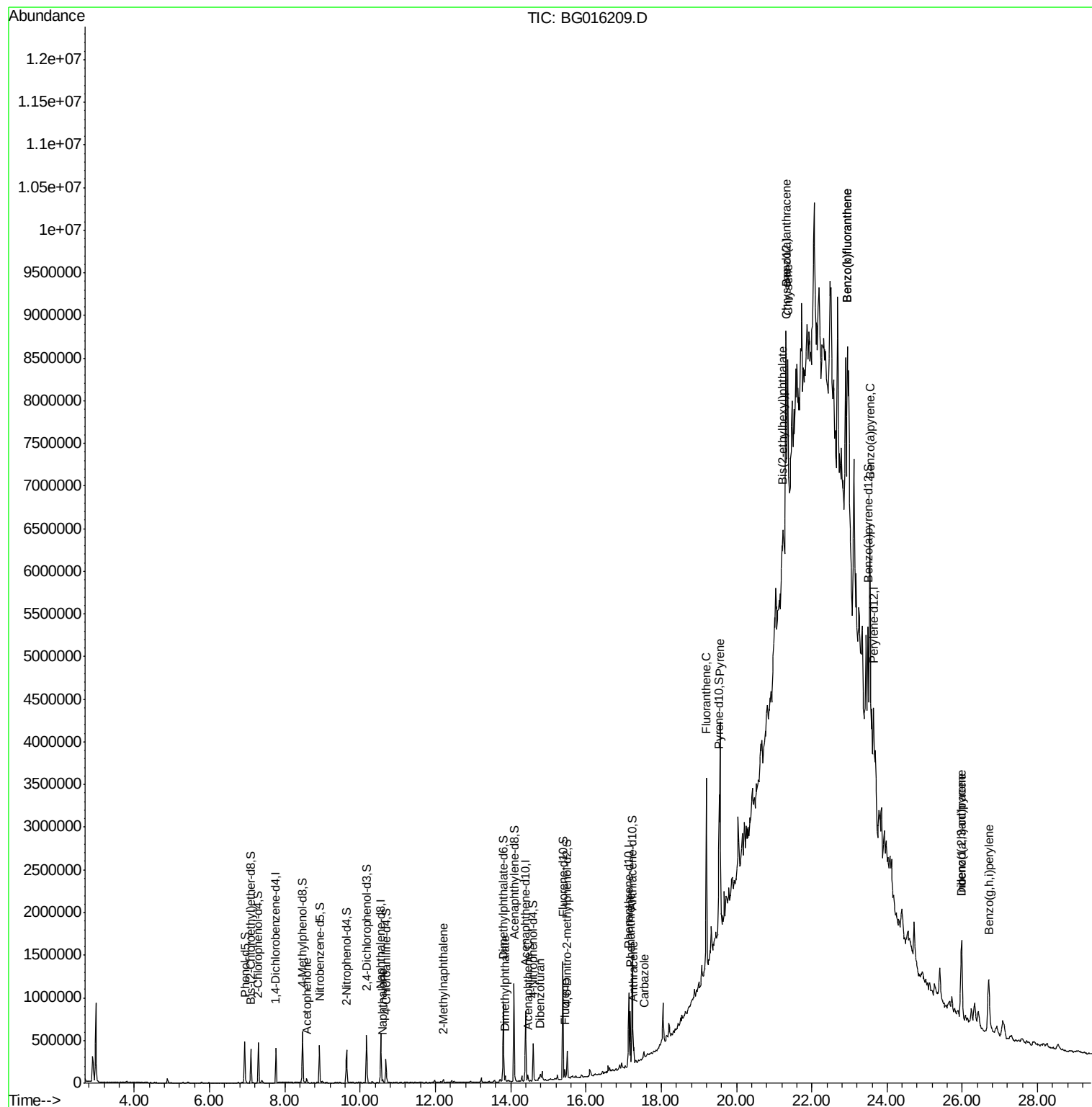
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

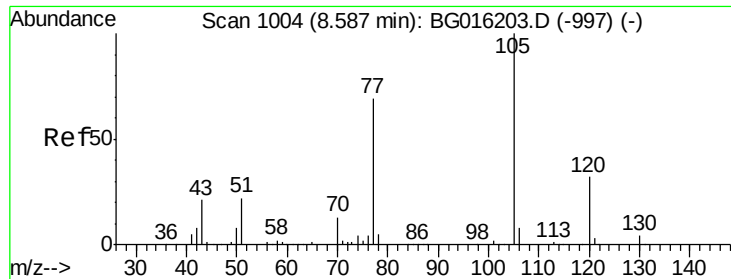
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#14

Acetophenone

Concen: 2.14 ng/ul

RT: 8.58 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

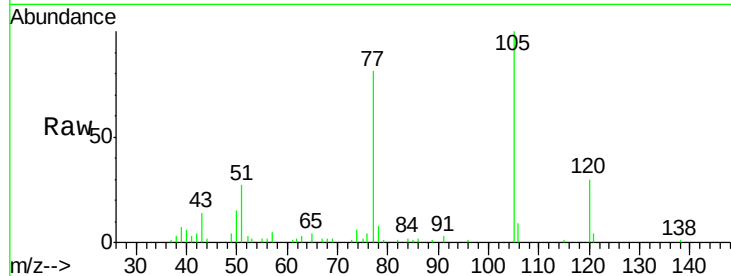
Tot Ion:105 Resp: 23990

Ion Ratio Lower Upper

105 100

77 81.3 64.6 97.0

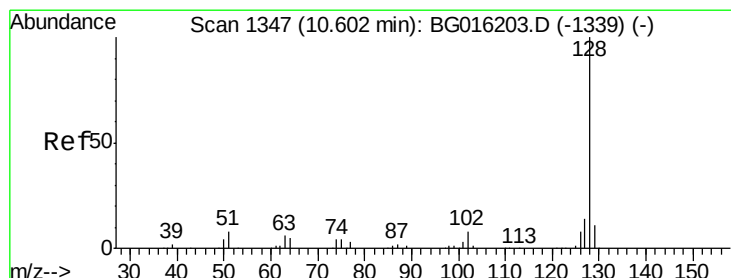
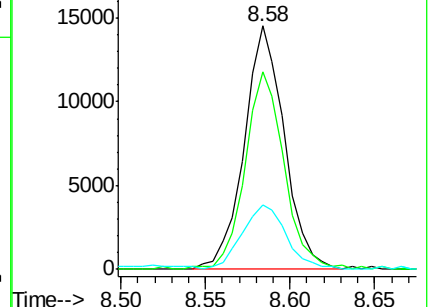
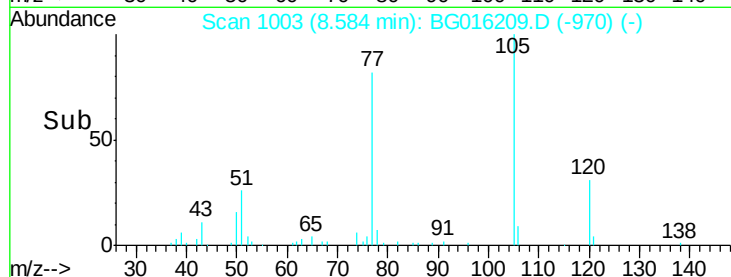
51 26.7 21.6 32.4



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: 1.09 ng/ul

RT: 10.60 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

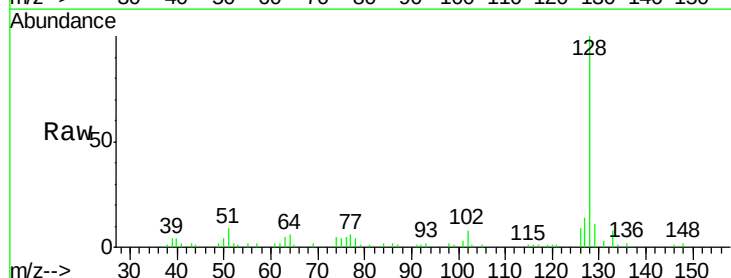
Tgt Ion:128 Resp: 26788

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

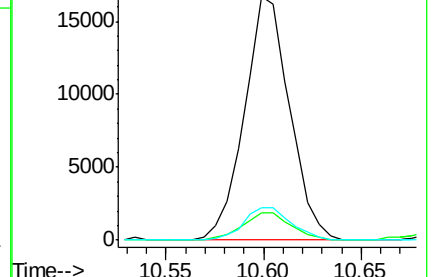
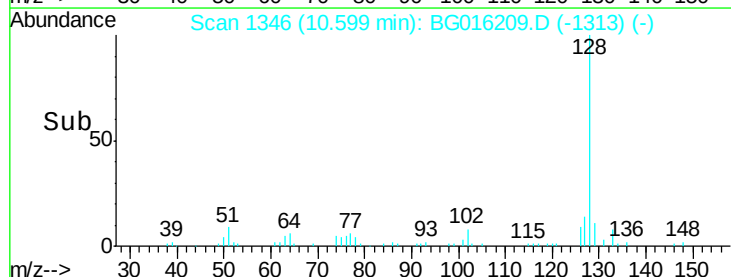
127 13.6 11.4 17.0

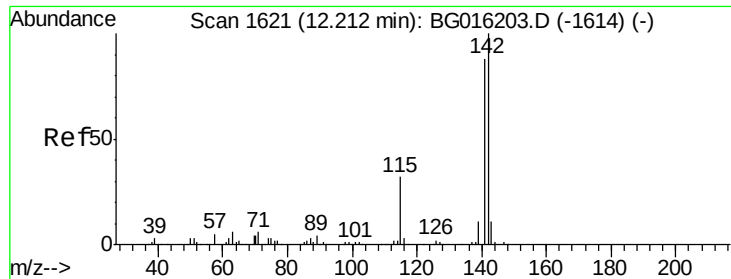


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

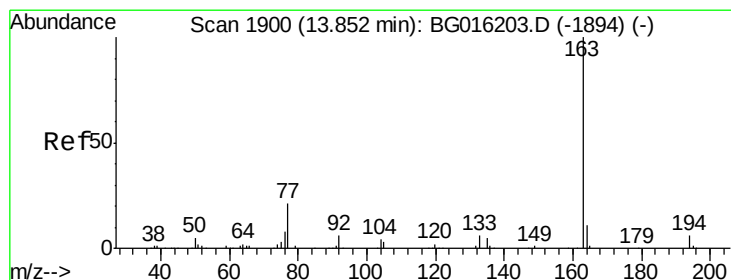
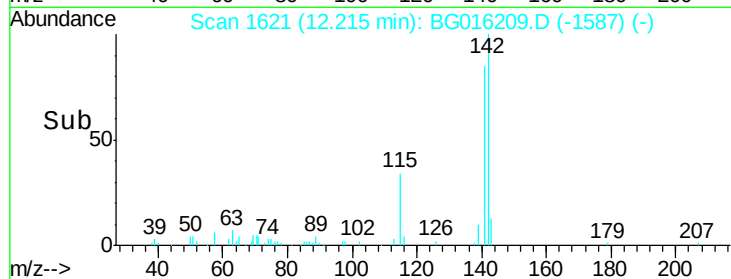
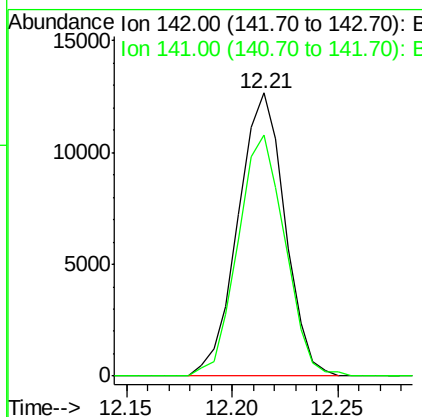
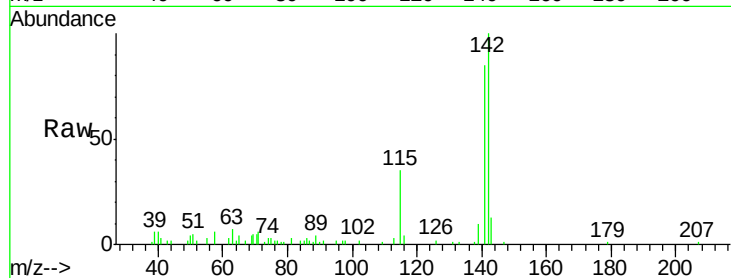




#34
2-Methylnaphthalene
Concen: 1.12 ng/ul
RT: 12.21 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BG016209.D
Acq: 31 Mar 2015 20:38

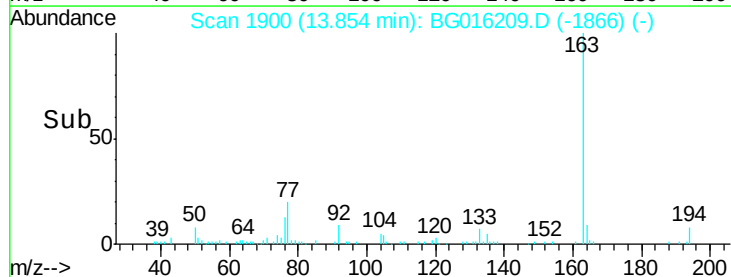
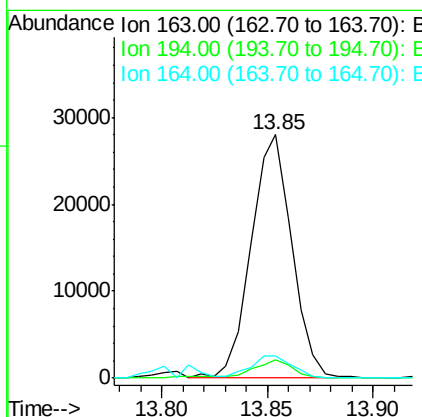
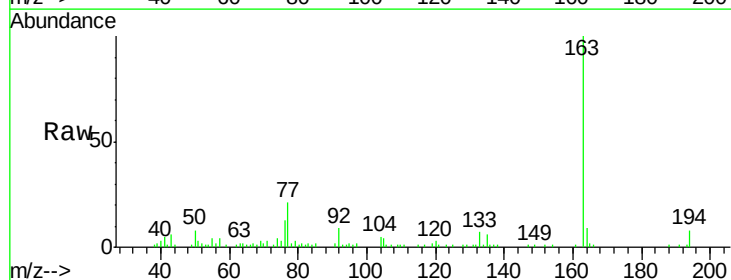
Instrument :
BNA_G
ClientSampleId :

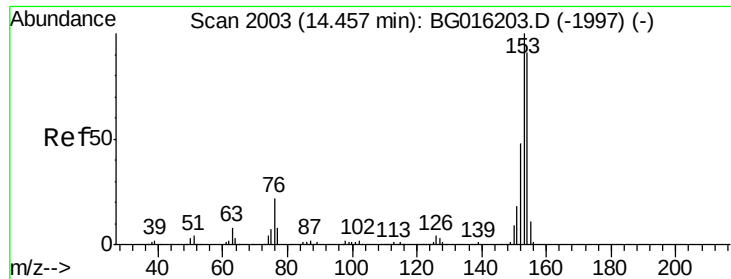
Tot Ion:142 Resp: 19550
Ion Ratio Lower Upper
142 100
141 85.0 69.7 104.5



#44
Dimethylphthalate
Concen: 1.97 ng/ul
RT: 13.85 min Scan# 1900
Delta R.T. 0.00 min
Lab File: BG016209.D
Acq: 31 Mar 2015 20:38

Tgt Ion:163 Resp: 37401
Ion Ratio Lower Upper
163 100
194 7.6 4.8 7.2#
164 9.2 8.2 12.2





#49

Acenaphthene

Concen: 1.65 ng/ul

RT: 14.46 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

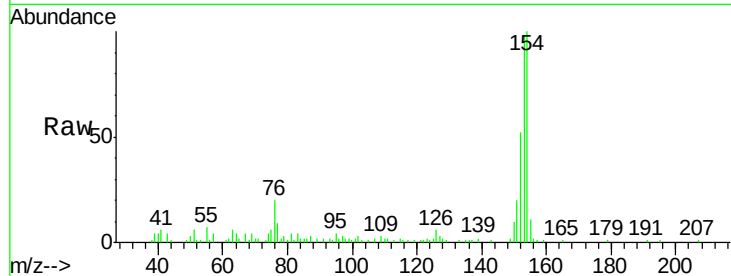
Tot Ion:153 Resp: 29365

Ion Ratio Lower Upper

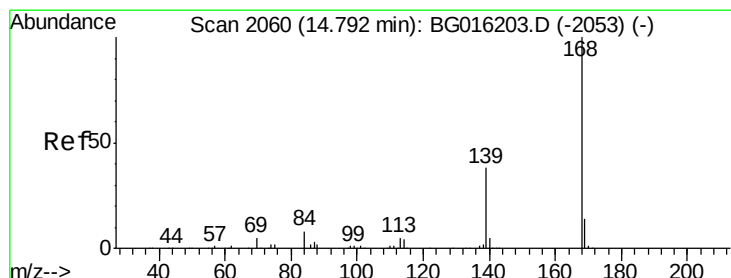
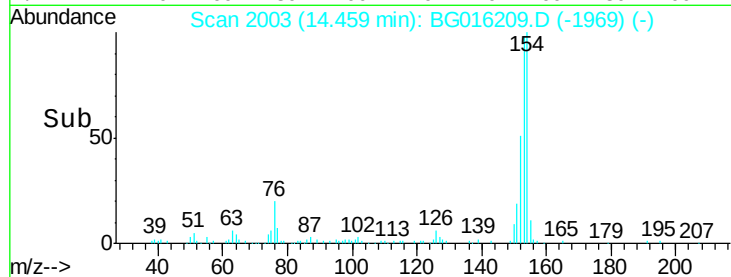
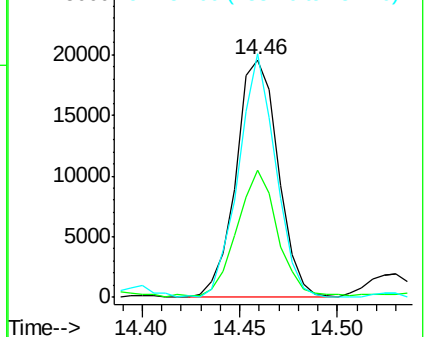
153 100

152 53.3 39.0 58.4

154 102.4 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: 1.45 ng/ul

RT: 14.79 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BG016209.D

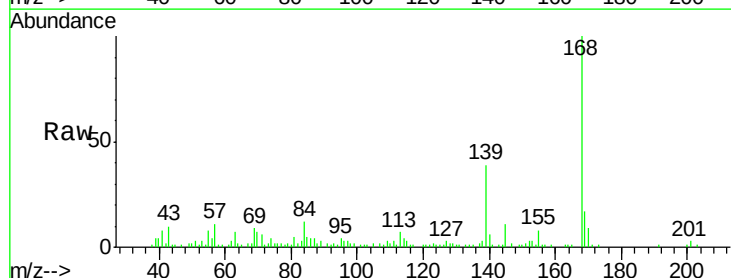
Acq: 31 Mar 2015 20:38

Tgt Ion:168 Resp: 33622

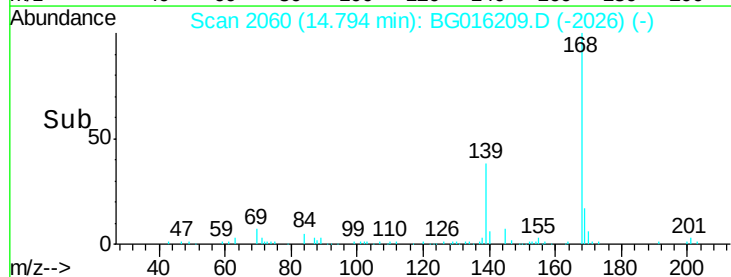
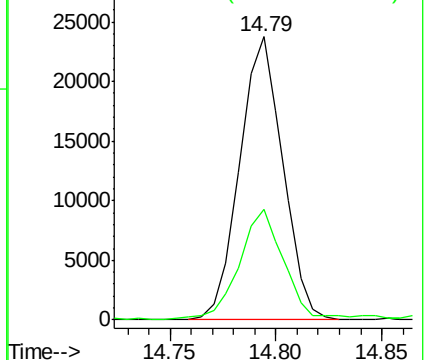
Ion Ratio Lower Upper

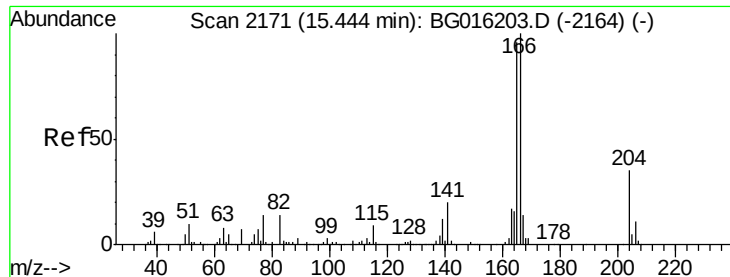
168 100

139 39.2 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

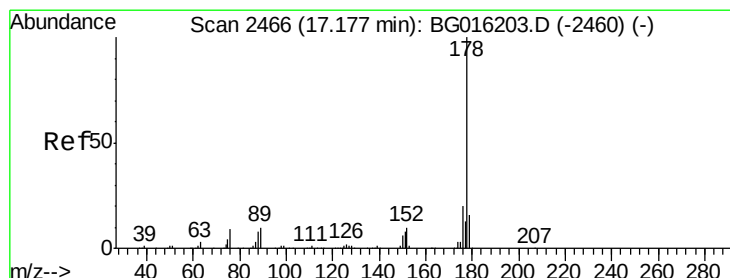
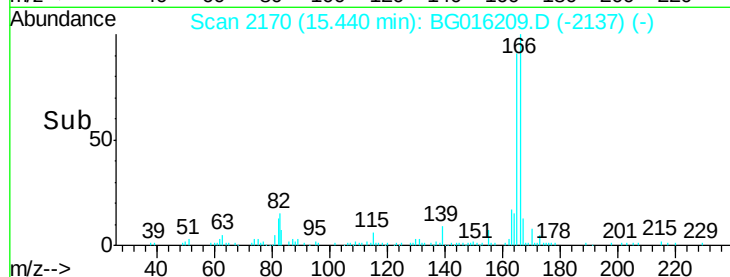
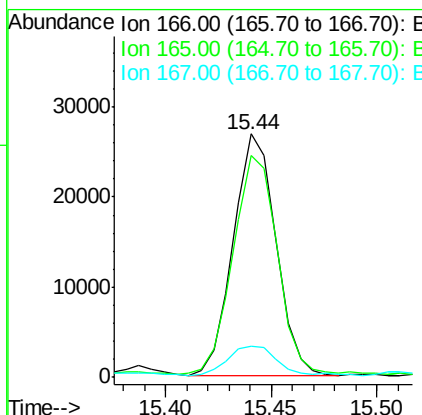
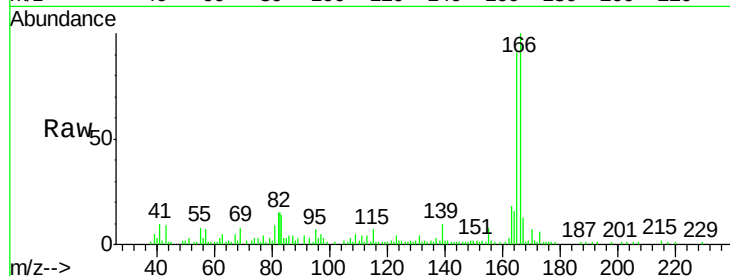




#58
 Fluorene
 Concen: 1.85 ng/ul
 RT: 15.44 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: BG016209.D
 Acq: 31 Mar 2015 20:38

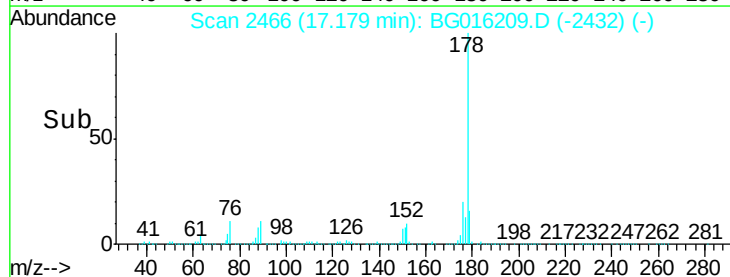
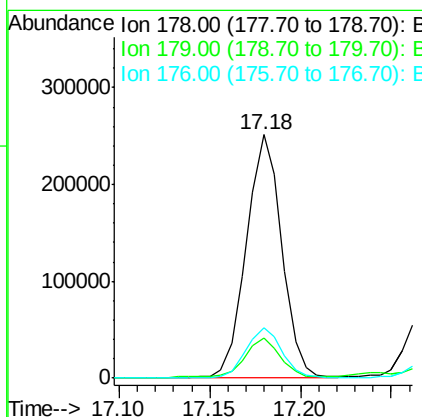
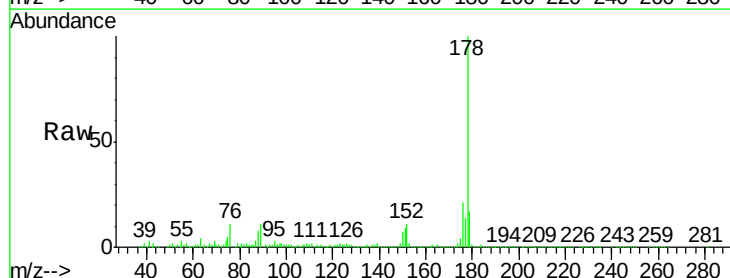
Instrument :
 BNA_G
 ClientSampleId :

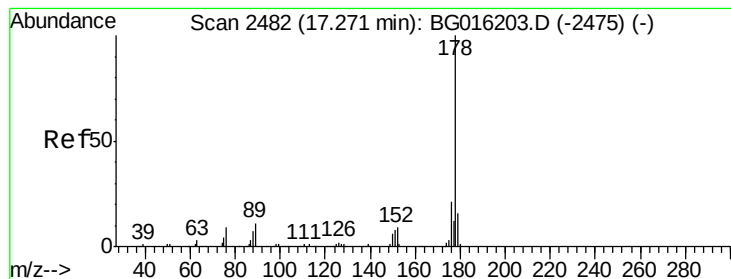
Tot Ion:166 Resp: 37634
 Ion Ratio Lower Upper
 166 100
 165 91.2 75.6 113.4
 167 12.8 10.7 16.1



#69
 Phenanthrene
 Concen: 13.13 ng/ul
 RT: 17.18 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG016209.D
 Acq: 31 Mar 2015 20:38

Tgt Ion:178 Resp: 337405
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.6 19.0
 176 20.5 16.6 24.8





#71

Anthracene

Concen: 4.47 ng/ul

RT: 17.27 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

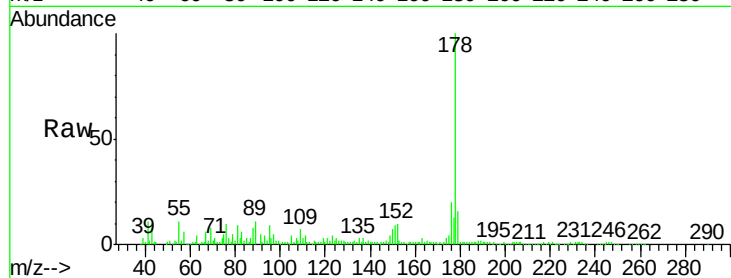
Tot Ion:178 Resp: 117352

Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.4

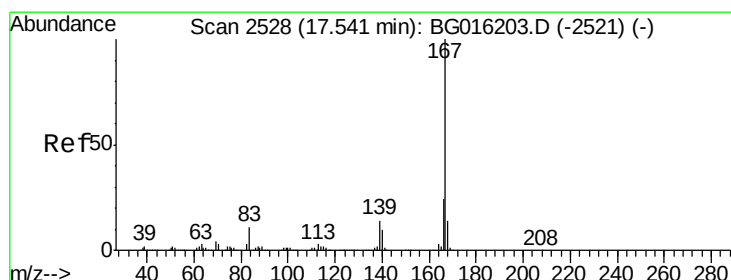
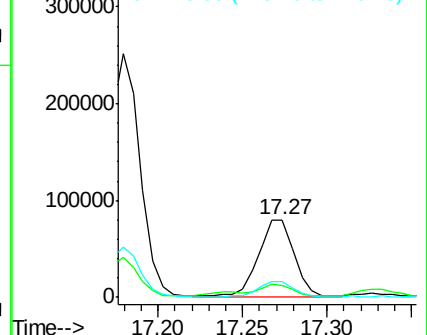
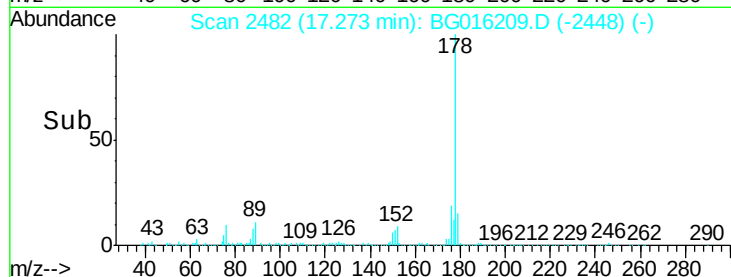
176 19.8 15.9 23.9



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: 1.58 ng/ul

RT: 17.54 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

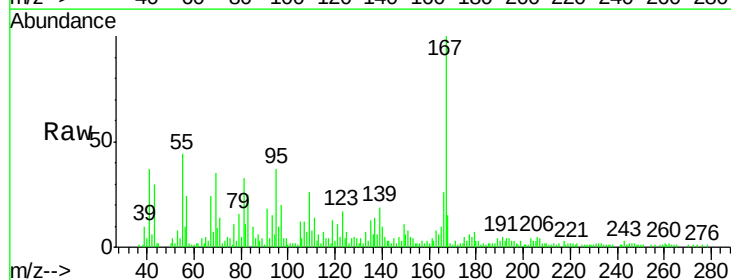
Tgt Ion:167 Resp: 39993

Ion Ratio Lower Upper

167 100

166 25.5 18.4 27.6

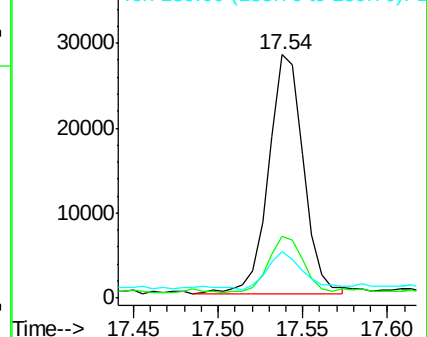
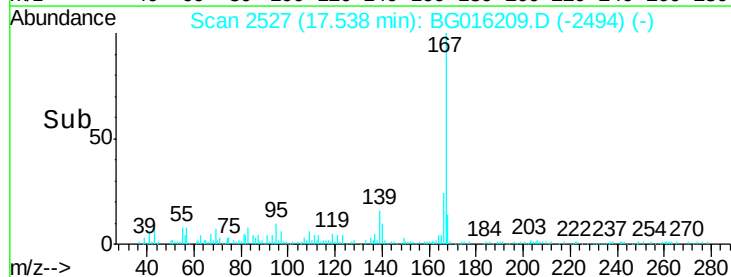
139 19.3 10.7 16.1#

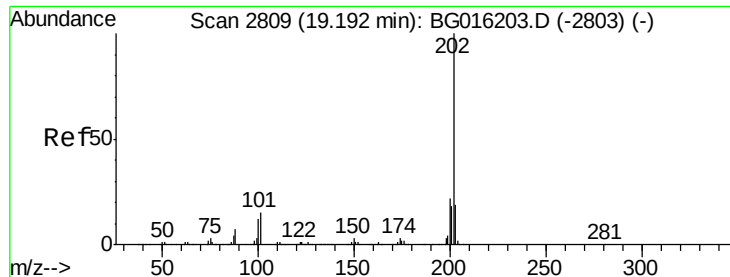


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.74 ng/ul

RT: 19.20 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampled :

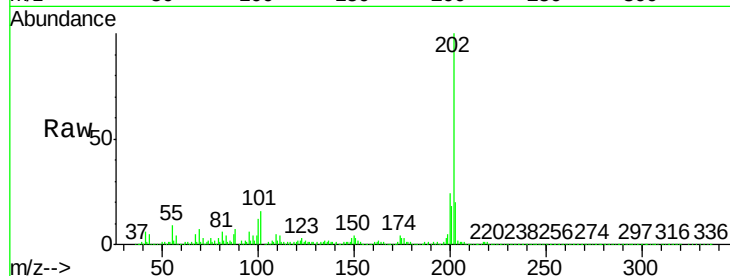
Tot Ion:202 Resp: 1135059

Ion Ratio Lower Upper

202 100

101 15.6 11.8 17.8

100 12.1 9.4 14.0

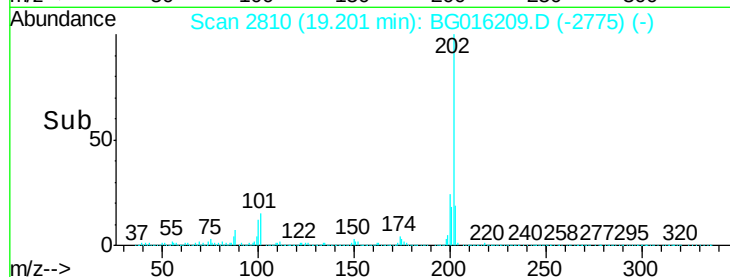


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

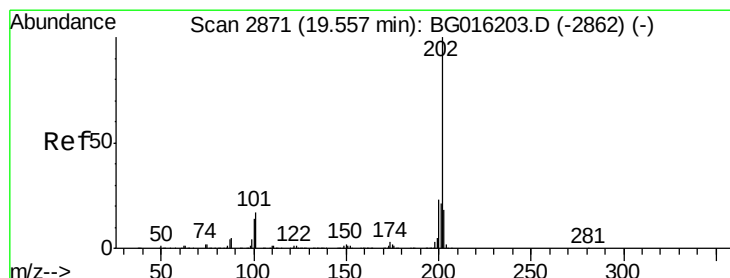
Ion 100.00 (99.70 to 100.70): B

Time-->



19.20

Time-->



#77

Pyrene

Concen: 41.32 ng/ul

RT: 19.56 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

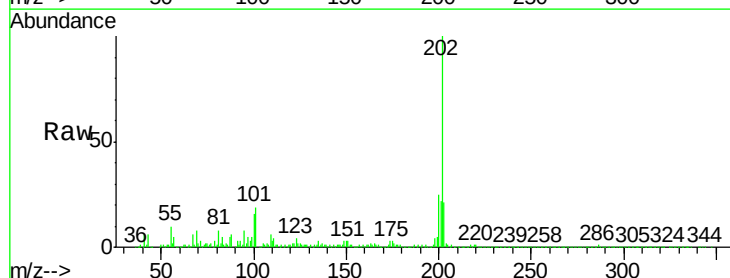
Tgt Ion:202 Resp: 1263506

Ion Ratio Lower Upper

202 100

101 18.8 13.4 20.0

100 15.8 11.1 16.7

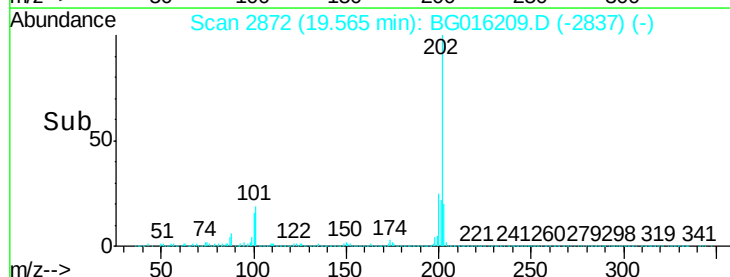


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

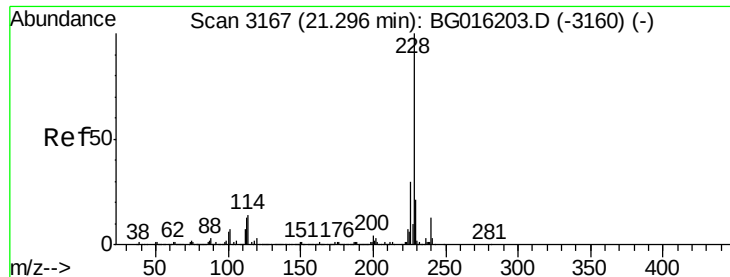
Ion 100.00 (99.70 to 100.70): B

Time-->



19.56

Time-->



#80

Benzo(a)anthracene

Concen: 29.17 ng/ul

RT: 21.31 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

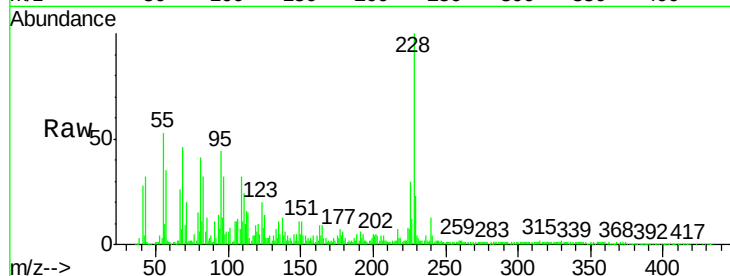
Tot Ion:228 Resp: 831690

Ion Ratio Lower Upper

228 100

229 23.4 16.5 24.7

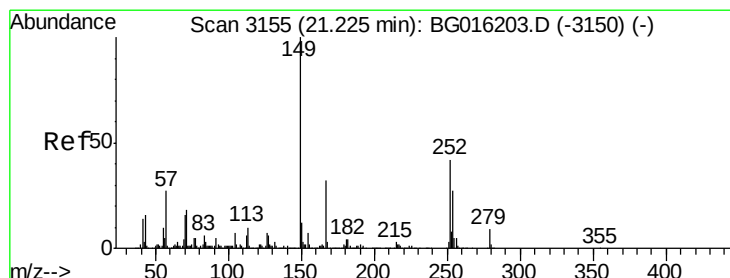
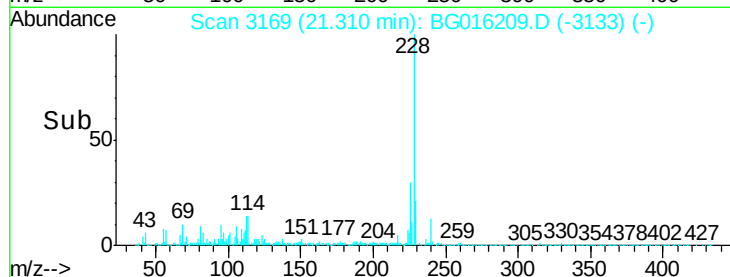
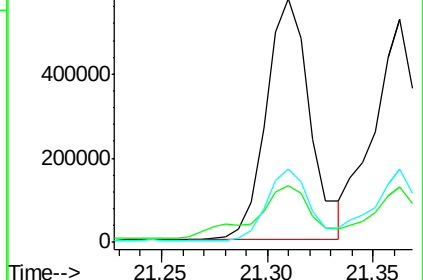
226 29.9 23.0 34.4



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 4.61 ng/ul

RT: 21.23 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

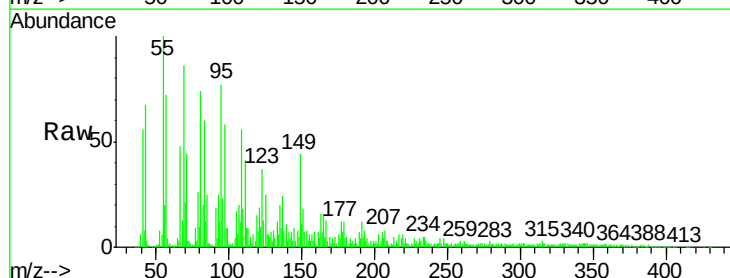
Tgt Ion:149 Resp: 89338

Ion Ratio Lower Upper

149 100

167 30.2 25.2 37.8

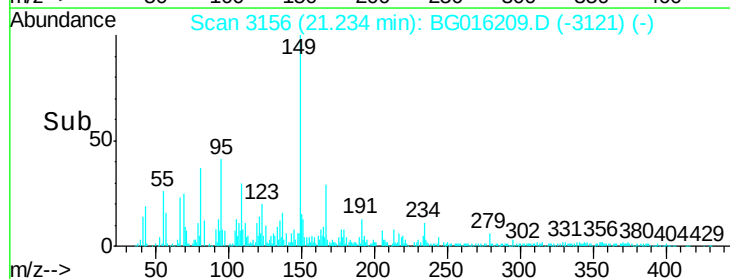
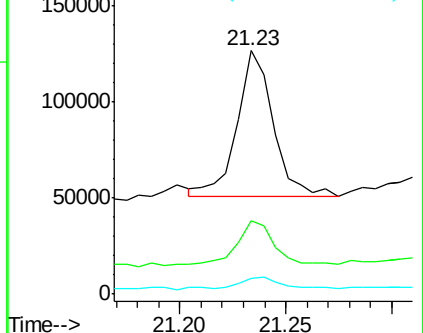
279 6.3 6.1 9.1

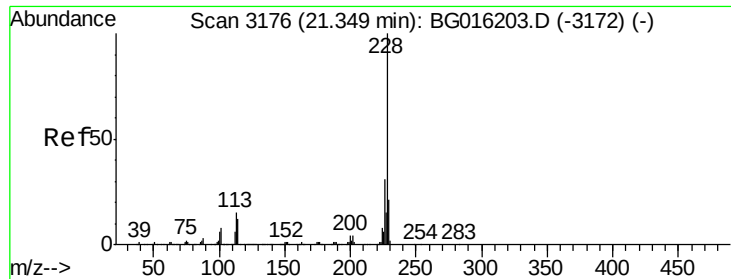


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 28.04 ng/ul

RT: 21.36 min Scan# 3178

Delta R.T. 0.01 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

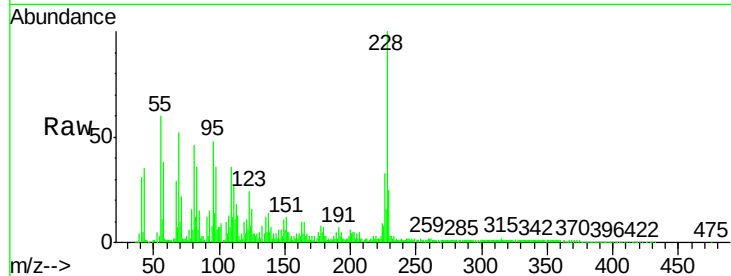
Tot Ion:228 Resp: 742619

Ion Ratio Lower Upper

228 100

226 32.9 25.4 38.0

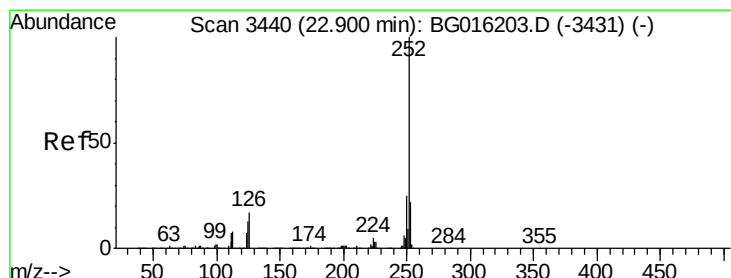
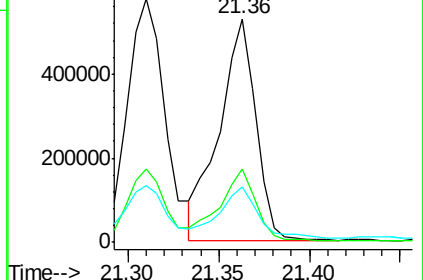
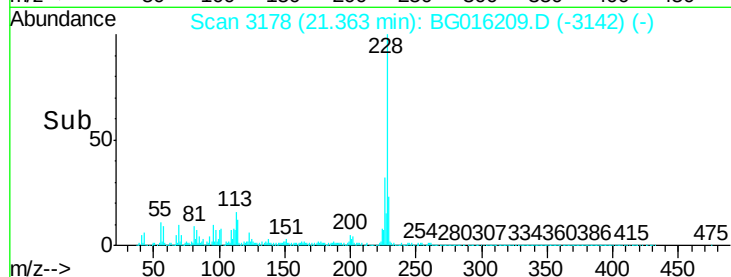
229 24.7 16.5 24.7



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: 52.81 ng/ul

RT: 22.95 min Scan# 3448

Delta R.T. 0.05 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

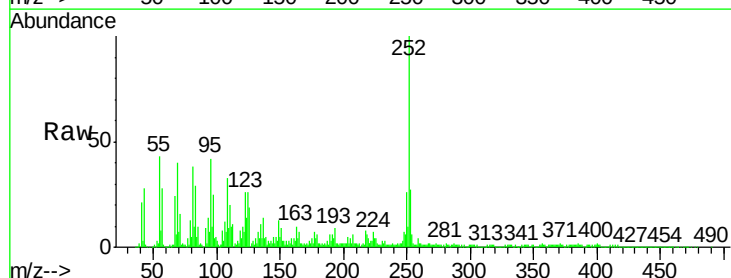
Tgt Ion:252 Resp: 1513509

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.6#

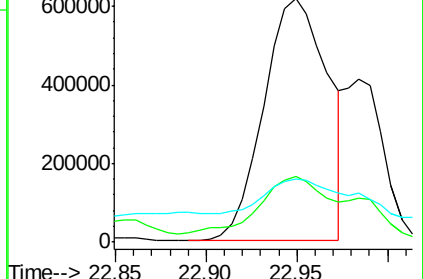
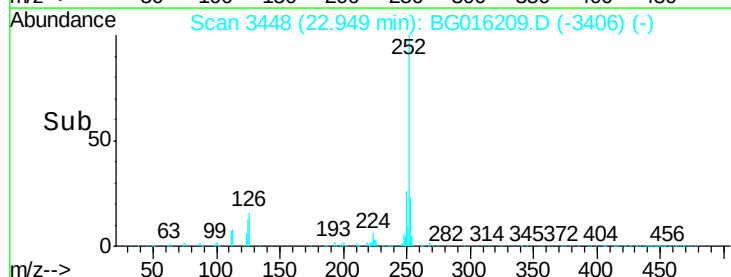
125 26.0 10.6 15.8#

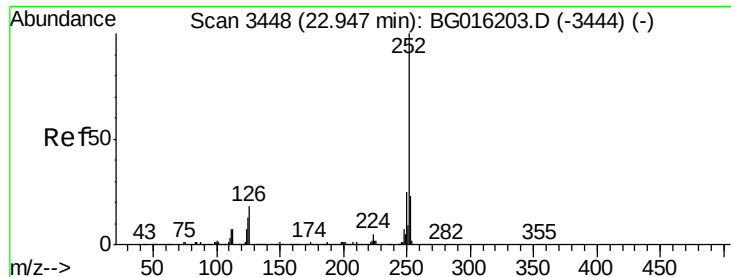


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

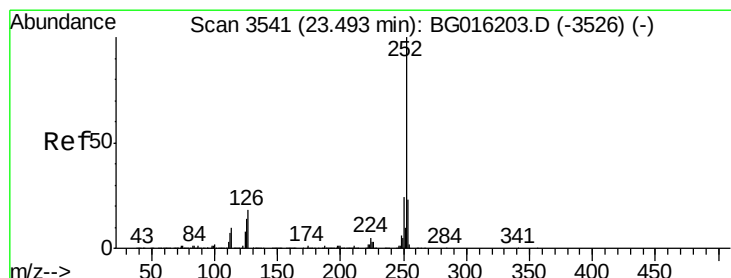
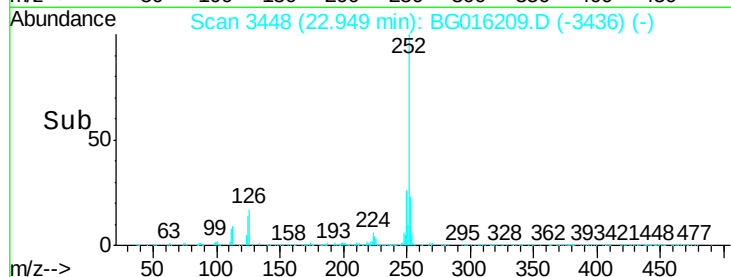
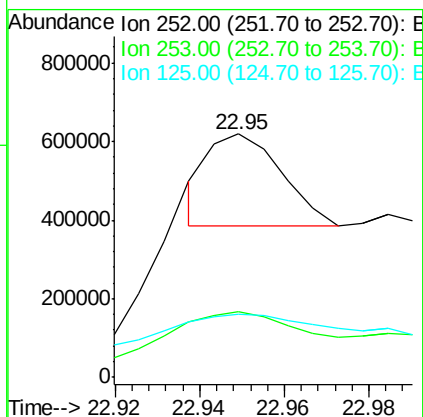
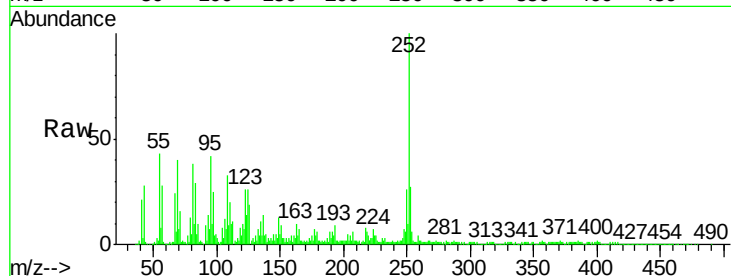




#86
Benzo(k)fluoranthene
Concen: 10.17 ng/ul
RT: 22.95 min Scan# 3448
Delta R.T. 0.00 min
Lab File: BG016209.D
Acq: 31 Mar 2015 20:38

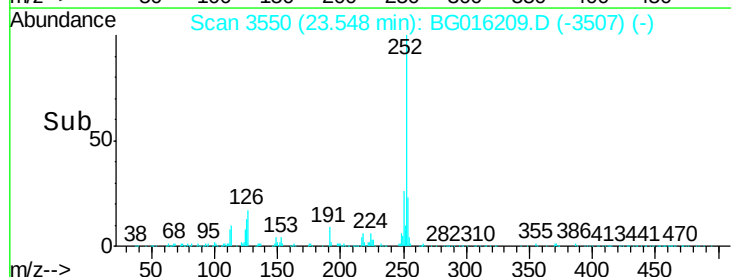
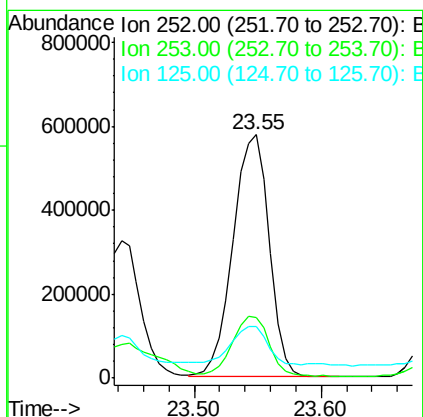
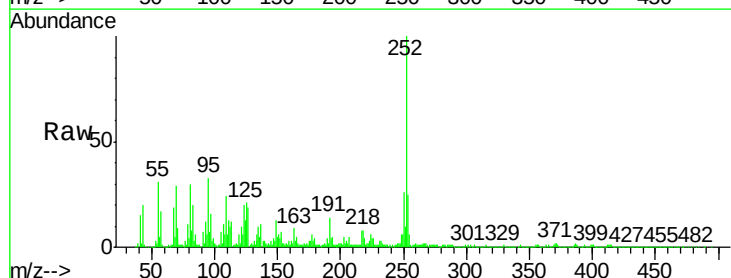
Instrument :
BNA_G
ClientSampleId :

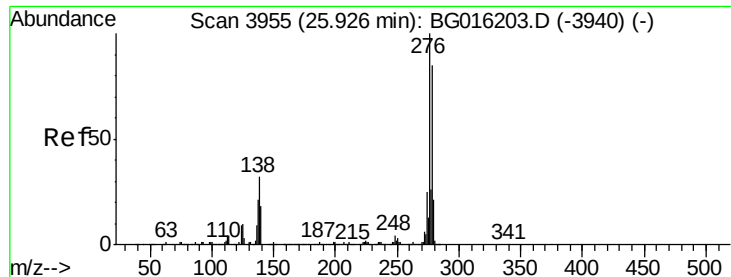
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.6	28.0
125	26.0	11.8	17.6



#88
Benzo(a)pyrene
Concen: 41.72 ng/ul
RT: 23.55 min Scan# 3550
Delta R.T. 0.06 min
Lab File: BG016209.D
Acq: 31 Mar 2015 20:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	21.2	12.1	18.1





#89

Indeno(1,2,3-cd)pyrene

Concen: 25.23 ng/ul

RT: 25.98 min Scan# 3964

Delta R.T. 0.06 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

Instrument :

BNA_G

ClientSampleId :

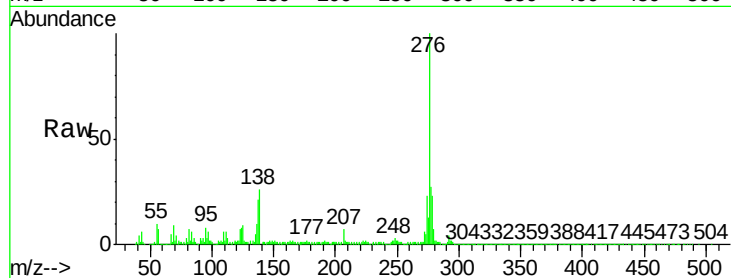
Tot Ion:276 Resp: 805781

Ion Ratio Lower Upper

276 100

138 26.3 27.0 40.6#

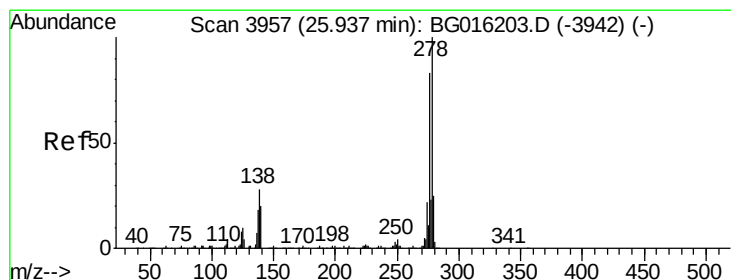
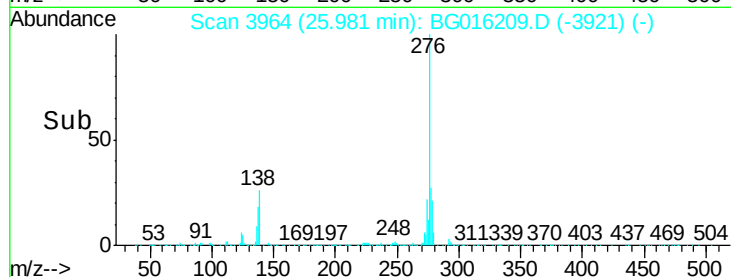
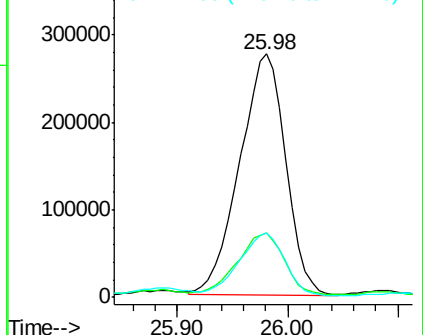
277 26.5 21.8 32.6



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: 7.22 ng/ul

RT: 25.98 min Scan# 3964

Delta R.T. 0.04 min

Lab File: BG016209.D

Acq: 31 Mar 2015 20:38

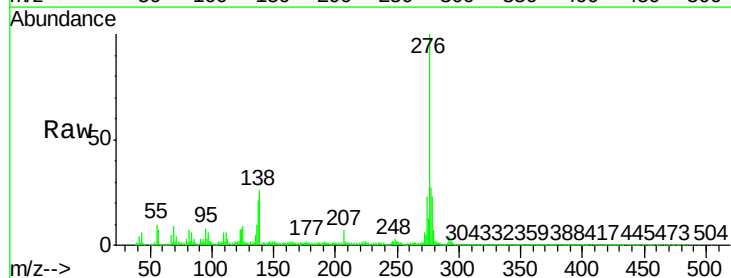
Tgt Ion:278 Resp: 191971

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

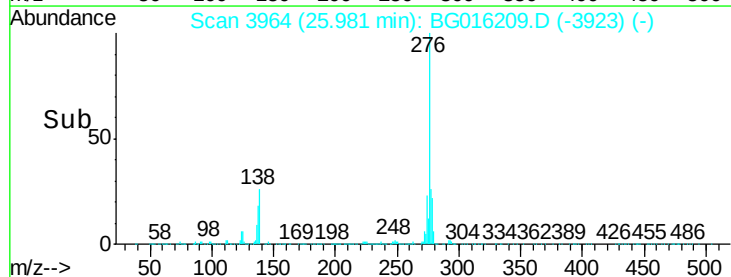
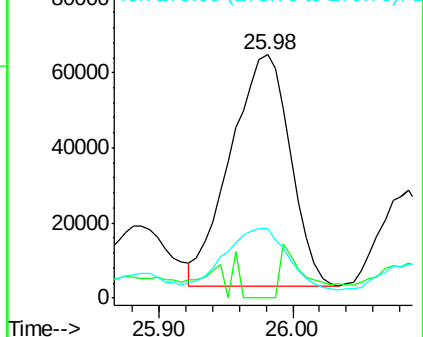
279 28.8 19.3 28.9

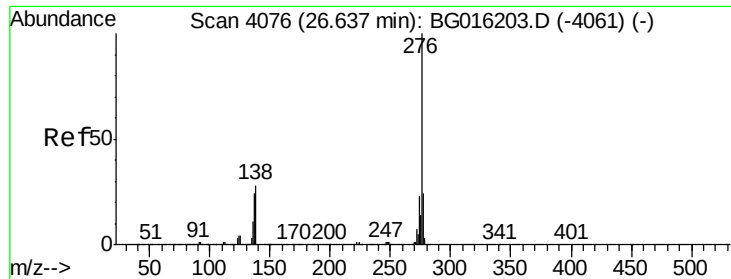


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

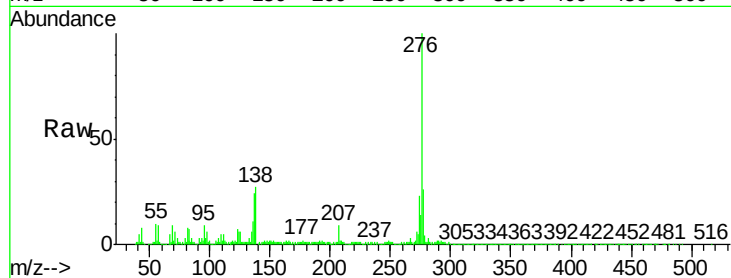




#91
 Benzo(a,h,i)perylene
 Concen: 25.65 ng/ul
 RT: 26.70 min Scan# 4086
 Delta R.T. 0.06 min
 Lab File: BG016209.D
 Acq: 31 Mar 2015 20:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.0	31.6
277	25.6	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

