

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
 Data File : BG022055.D
 Acq On : 23 May 2016 20:39
 Operator : UM/SJ
 Sample : H3124-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 07:46:11 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 07:40:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	38870	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	184577	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	92975	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	169349	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	159219	20.00	ng/ul	0.00
83) Perylene-d12	25.16	264	147878	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2785	3.73	ng/uL	0.00
5) Phenol-d5	7.31	99	69322	19.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	36467	19.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	61234	20.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	54770	18.39	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	29516	21.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	31332	21.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	55801	21.45	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	58175	20.53	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	153583	21.99	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	217588	22.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	16851	14.01	ng/ul	0.00
57) Fluorene-d10	15.78	176	140120	21.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	5286	5.97	ng/ul	0.00
70) Anthracene-d10	17.64	188	187041	23.01	ng/ul	0.00
76) Pyrene-d10	19.91	212	197053	21.95	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.94	264	169566	24.71	ng/ul	0.01

Target Compounds

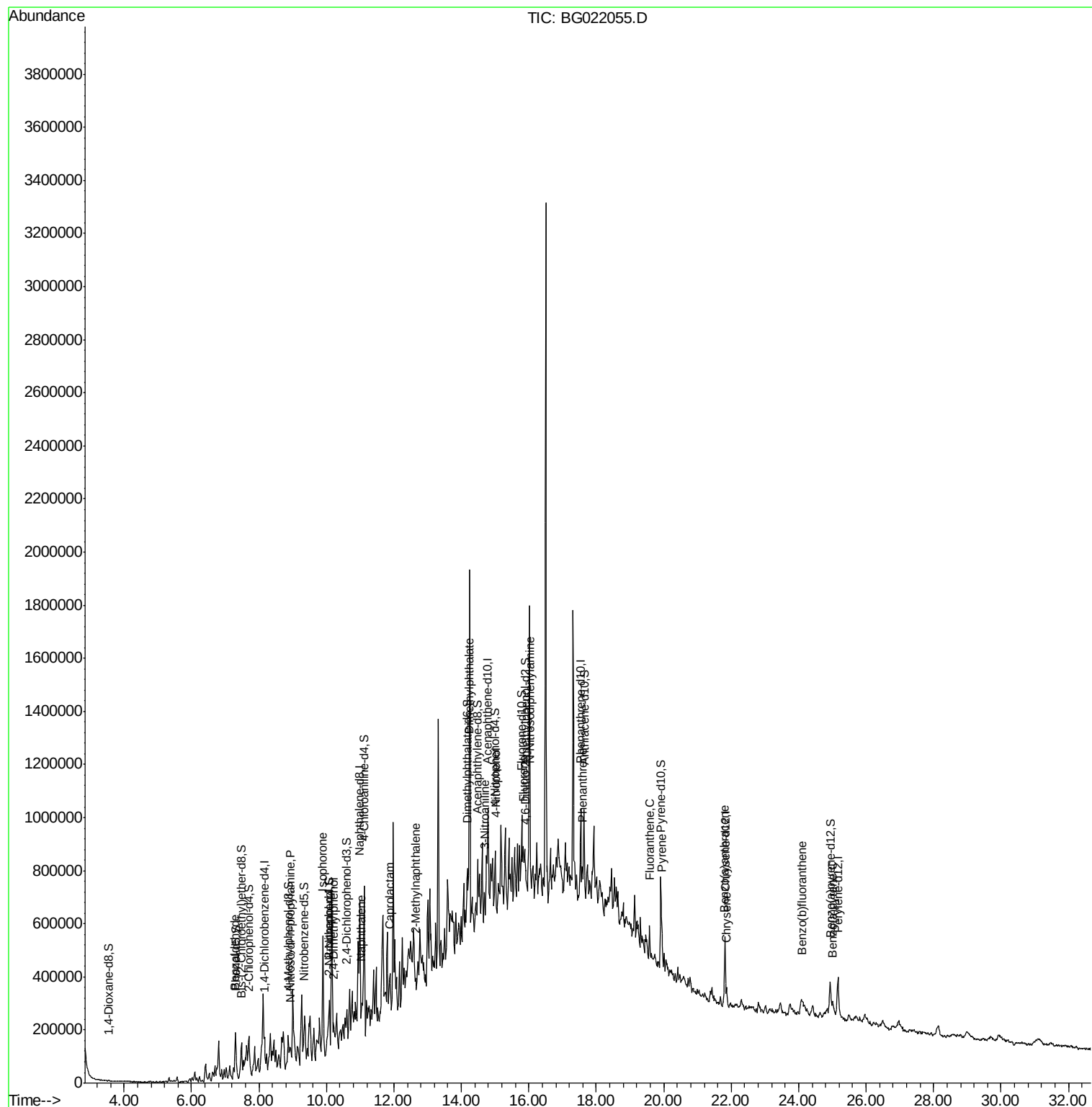
					Ovalue
4) Benzaldehyde	7.29	77	2639	1.36 ng/ul#	16
15) N-Nitroso-di-n-propylamine	8.92	70	3790	1.76 ng/ul#	77
21) Isophorone	9.89	82	58698	9.99 ng/ul#	1
23) 2-Nitrophenol	10.08	139	3996	2.59 ng/ul#	1
24) 2,4-Dimethylphenol	10.19	107	9822	3.30 ng/ul	90
28) Naphthalene	11.03	128	9633	1.03 ng/ul#	75
32) Caprolactam	11.89	113	1160	1.13 ng/ul#	1
34) 2-Methylnaphthalene	12.63	142	7774	1.16 ng/ul	94
44) Dimethylphthalate	14.23	163	62832	8.95 ng/ul#	89
48) 3-Nitroaniline	14.69	138	3949	2.74 ng/ul#	26
52) 4-Nitrophenol	15.02	109	2557	3.77 ng/ul#	1
58) Fluorene	15.84	166	11113	1.55 ng/ul#	63
64) N-Nitrosodiphenylamine	16.04	169	22842	4.27 ng/ul#	41
69) Phenanthrene	17.58	178	61233	6.50 ng/ul#	89
74) Fluoranthene	19.58	202	73189	7.60 ng/ul	100
77) Pyrene	19.94	202	105057	9.38 ng/ul	98
80) Benzo(a)anthracene	21.80	228	38891	4.16 ng/ul#	89
82) Chrysene	21.86	228	41852	4.67 ng/ul#	91
85) Benzo(b)fluoranthene	24.10	252	49307	5.70 ng/ul#	76
88) Benzo(a)pyrene	25.00	252	40618	4.86 ng/ul#	80

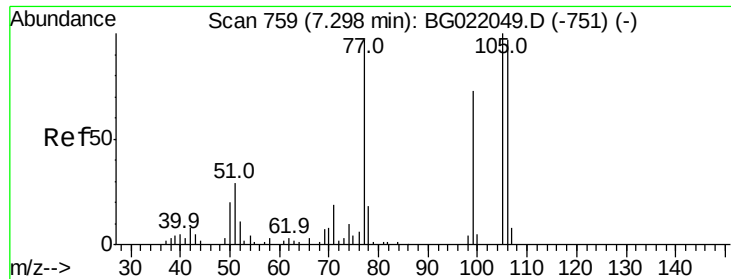
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.36 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampled :

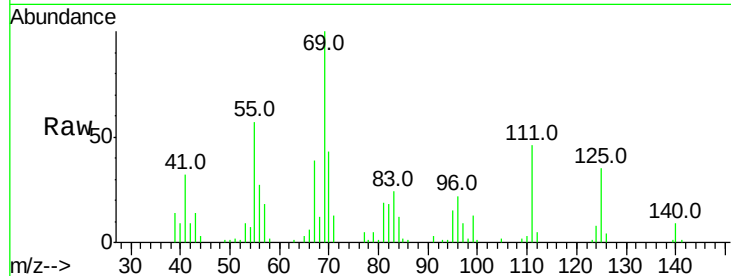
Tot Ion: 77 Resp: 2639

Ion Ratio Lower Upper

77 100

105 32.1 83.8 125.8#

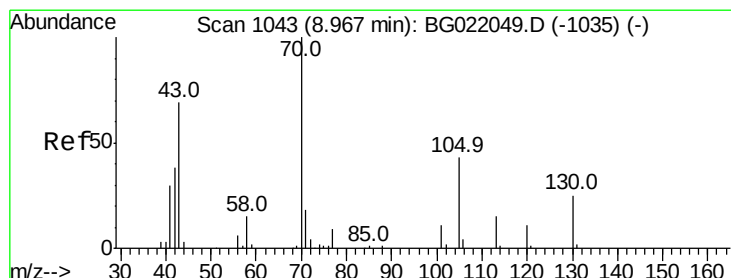
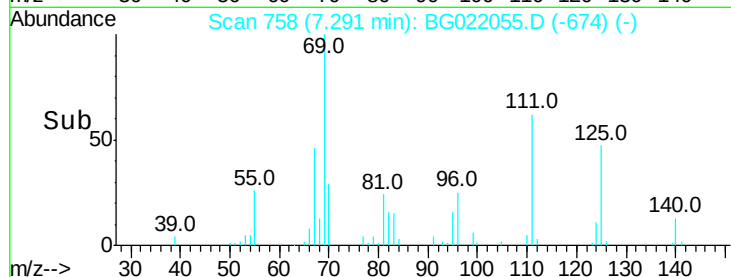
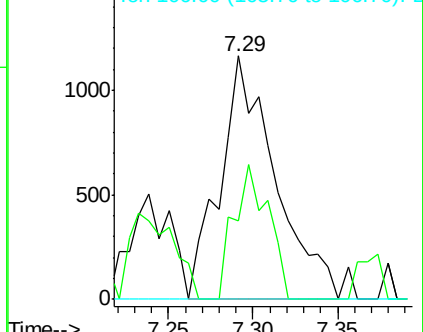
106 0.0 77.9 116.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 1.76 ng/ul

RT: 8.92 min Scan# 1036

Delta R.T. -0.04 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Tgt Ion: 70 Resp: 3790

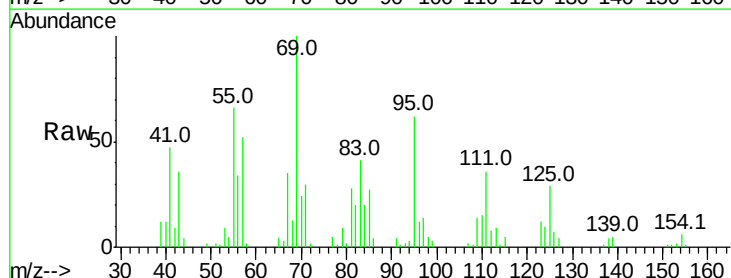
Ion Ratio Lower Upper

70 100

42 36.0 31.4 47.2

101 0.0 8.6 13.0#

130 0.0 19.0 28.4#

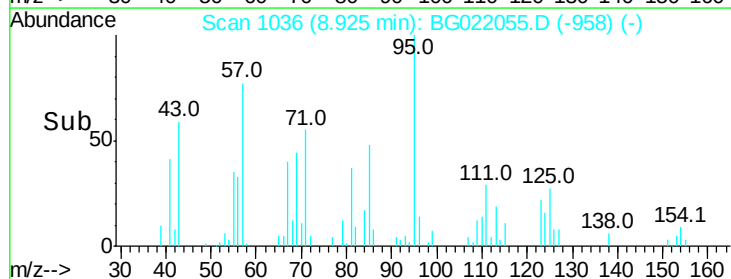
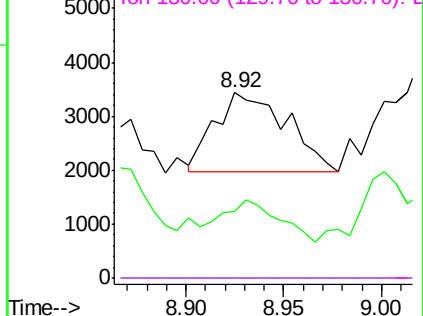


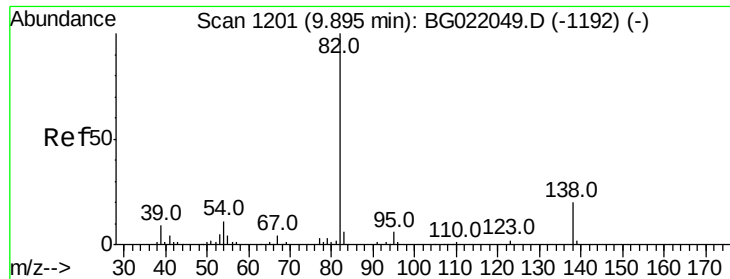
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Isophorone

Concen: 9.99 ng/ul

RT: 9.89 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampleId :

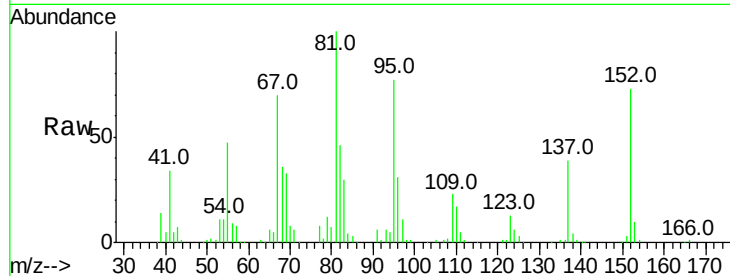
Tot Ion: 82 Resp: 58698

Ion Ratio Lower Upper

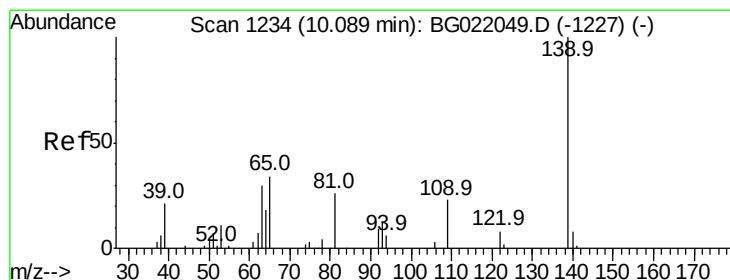
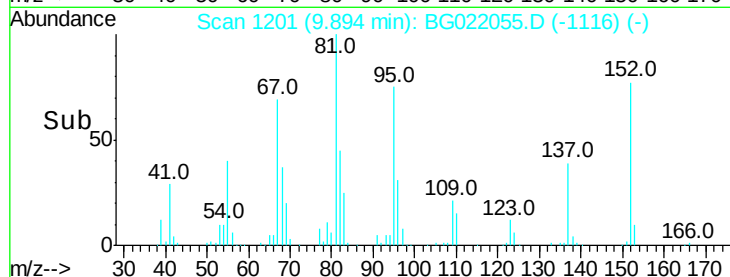
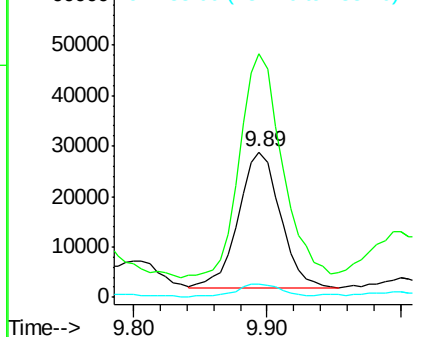
82 100

95 167.6 5.1 7.7#

138 9.3 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#23

2-Nitrophenol

Concen: 2.59 ng/ul

RT: 10.08 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

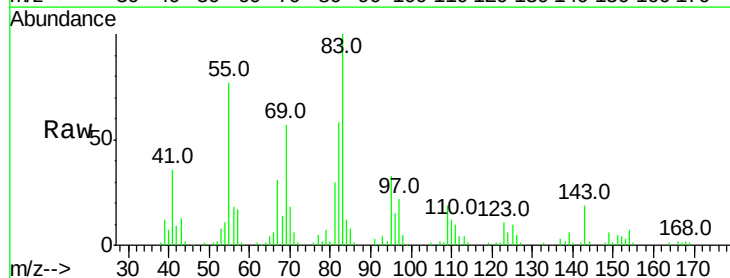
Tgt Ion: 139 Resp: 3996

Ion Ratio Lower Upper

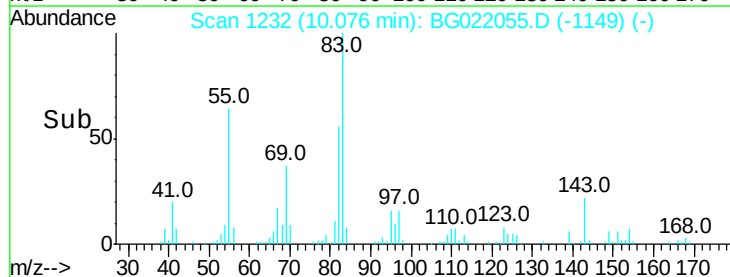
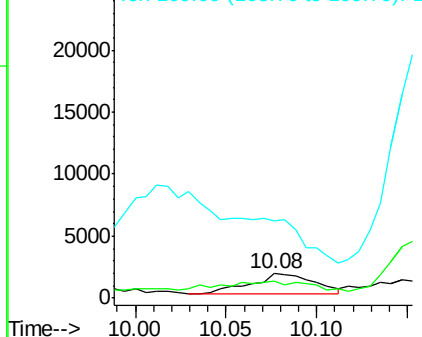
139 100

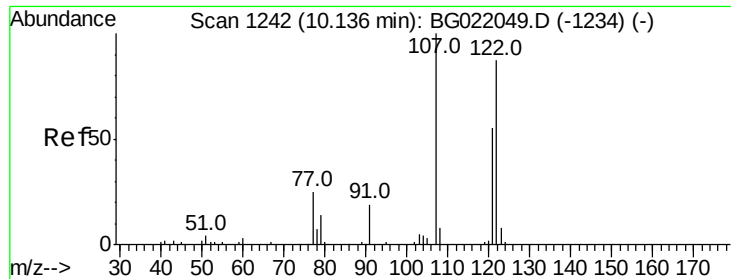
65 68.8 31.8 47.8#

109 312.8 17.1 25.7#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 109.00 (108.70 to 109.70): BGC

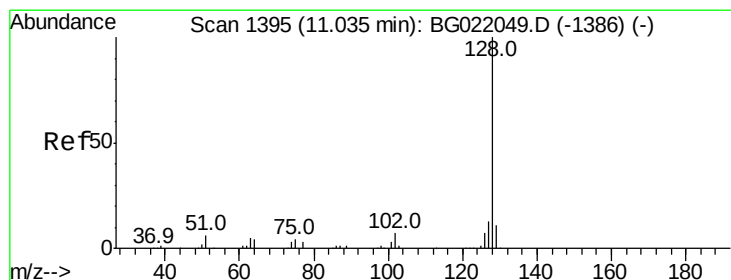
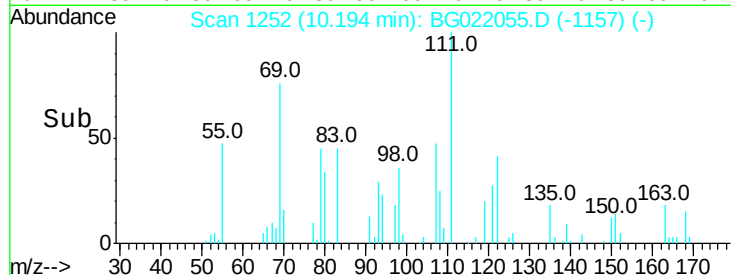
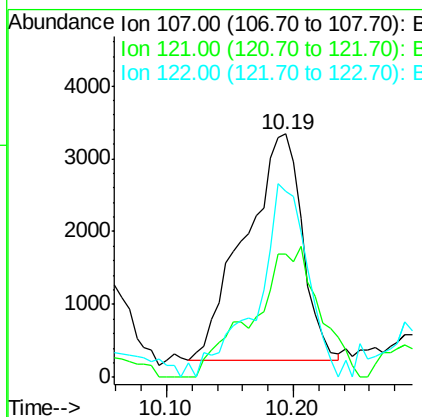
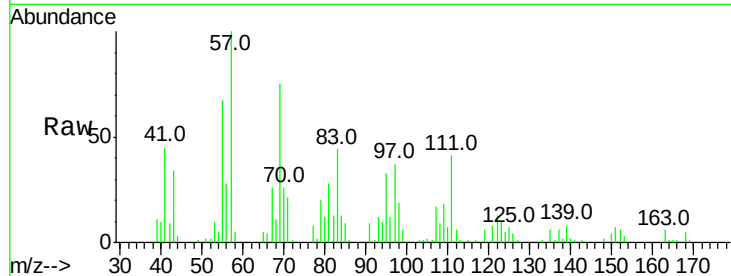




#24
2,4-Dimethylphenol
Concen: 3.30 ng/ul
RT: 10.19 min Scan# 1252
Delta R.T. 0.06 min
Lab File: BG022055.D
Acq: 23 May 2016 20:39

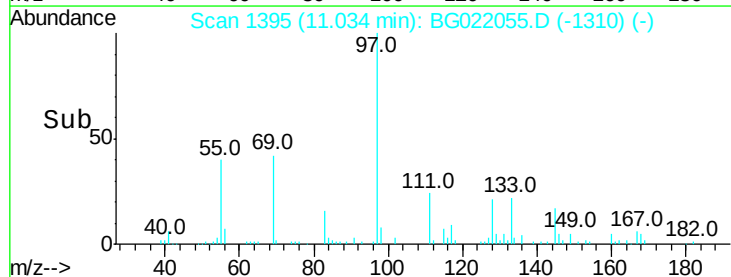
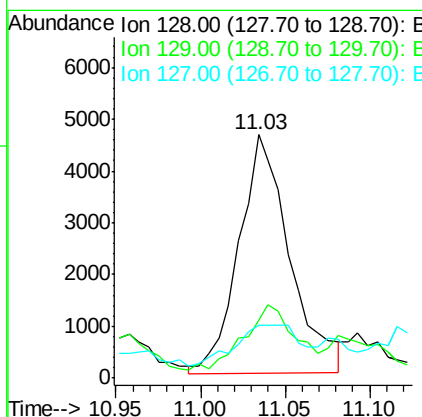
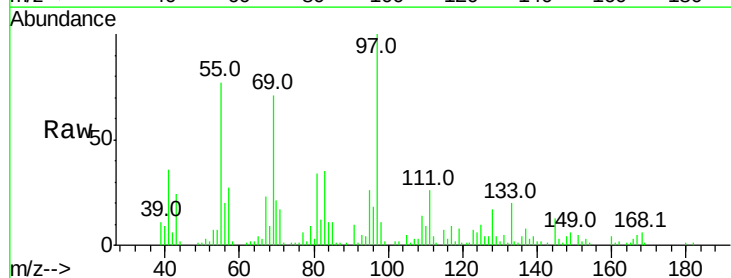
Instrument :
BNA_G
ClientSampleId :

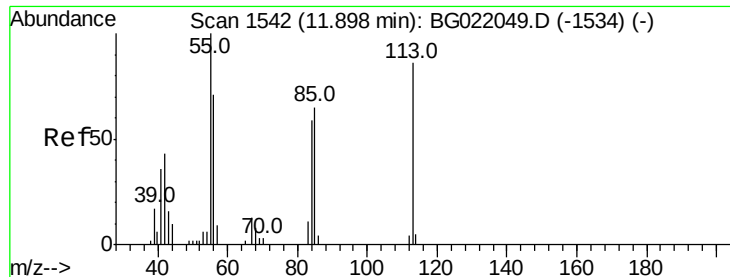
Tot Ion:107 Resp: 9822
Ion Ratio Lower Upper
107 100
121 50.6 43.7 65.5
122 76.2 70.3 105.5



#28
Naphthalene
Concen: 1.03 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG022055.D
Acq: 23 May 2016 20:39

Tgt Ion:128 Resp: 9633
Ion Ratio Lower Upper
128 100
129 24.0 9.4 14.2#
127 21.6 11.2 16.8#





#32

Caprolactam

Concen: 1.13 ng/ul

RT: 11.89 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampleId :

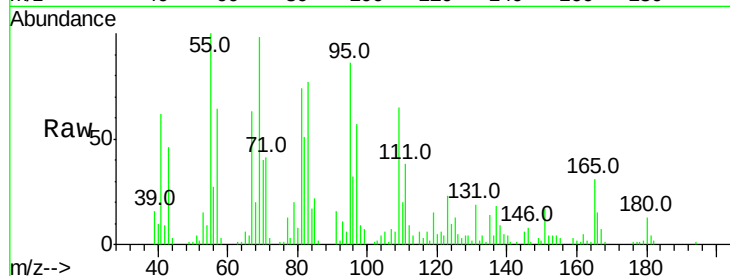
Tot Ion:113 Resp: 1160

Ion Ratio Lower Upper

113 100

55 2505.7 99.6 149.4#

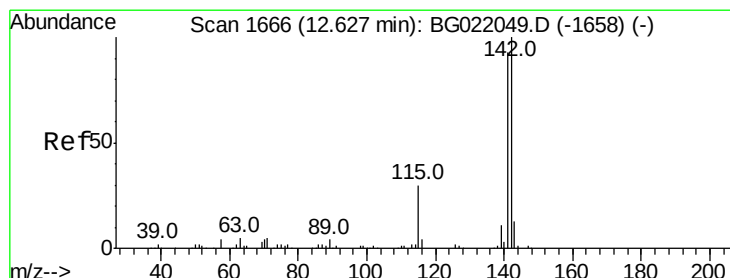
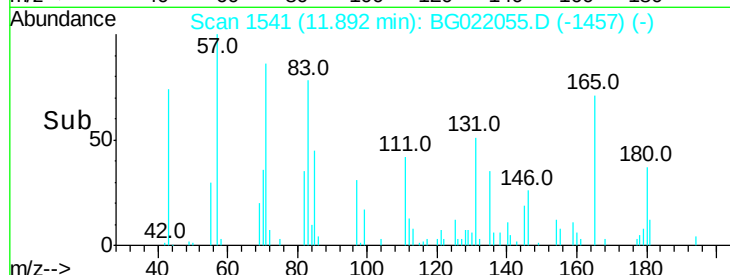
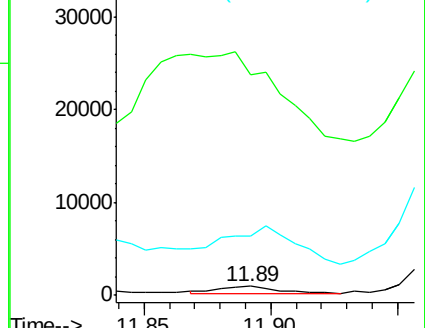
56 676.2 66.4 99.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#34

2-Methylnaphthalene

Concen: 1.16 ng/ul

RT: 12.63 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BG022055.D

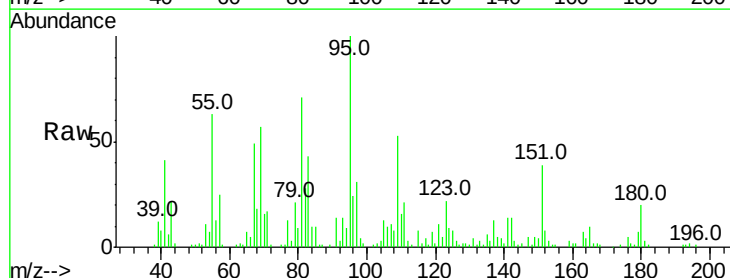
Acq: 23 May 2016 20:39

Tgt Ion:142 Resp: 7774

Ion Ratio Lower Upper

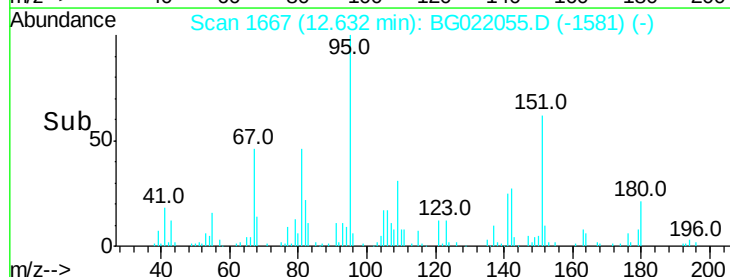
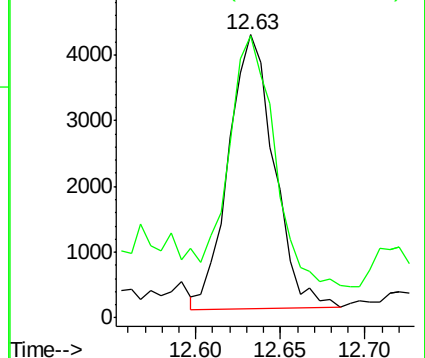
142 100

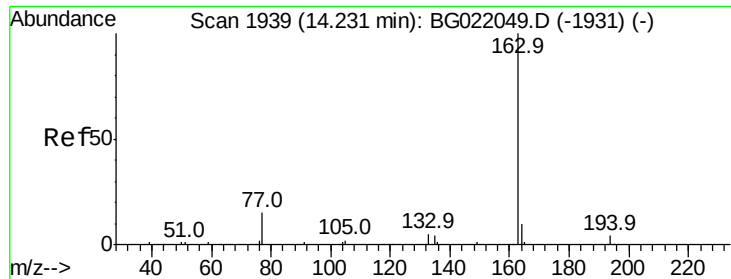
141 99.8 75.2 112.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 8.95 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampled :

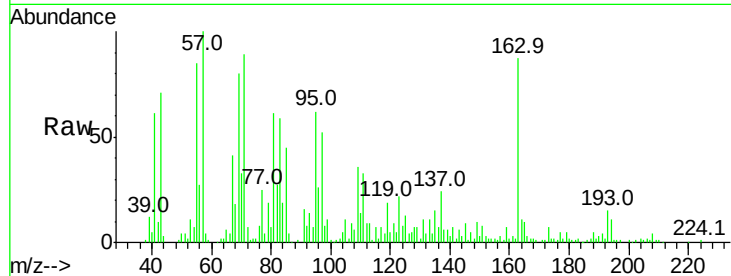
Tot Ion:163 Resp: 62832

Ion Ratio Lower Upper

163 100

194 12.9 3.4 5.2#

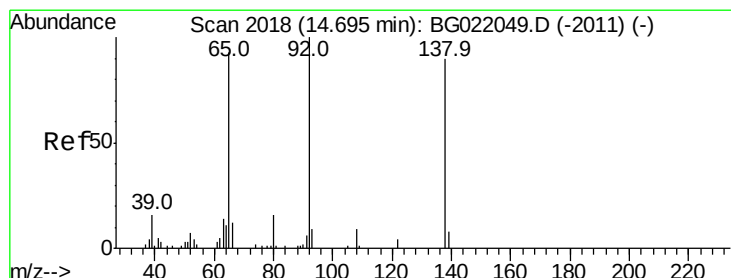
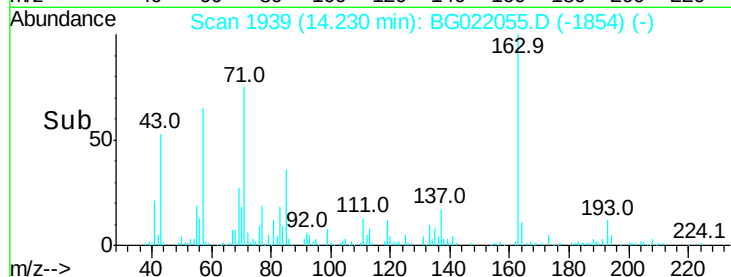
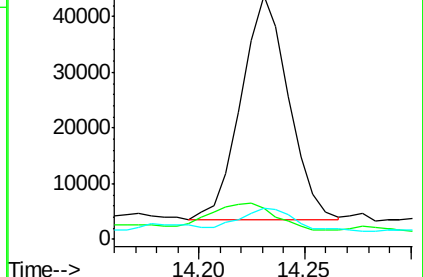
164 12.7 8.8 13.2



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



#48

3-Nitroaniline

Concen: 2.74 ng/ul

RT: 14.69 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

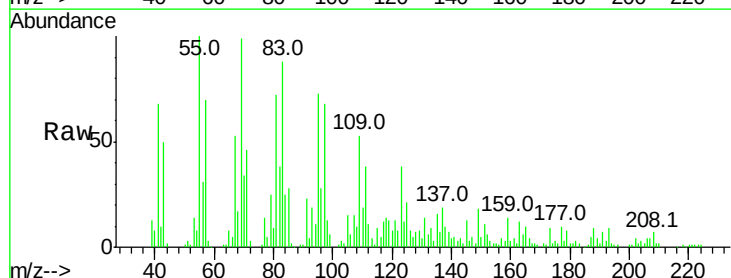
Tgt Ion:138 Resp: 3949

Ion Ratio Lower Upper

138 100

108 100.5 6.2 9.2#

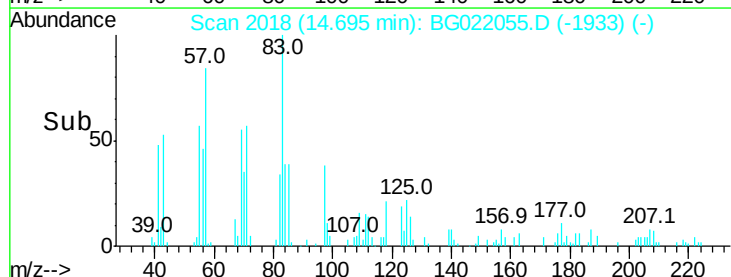
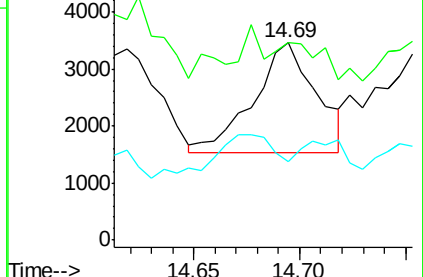
92 39.7 79.3 118.9#

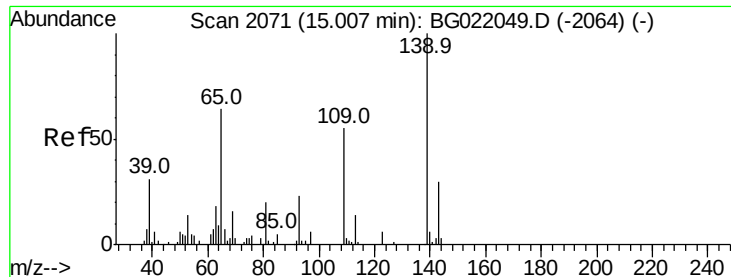


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#52

4-Nitrophenol

Concen: 3.77 na/ul

RT: 15.02 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampleId :

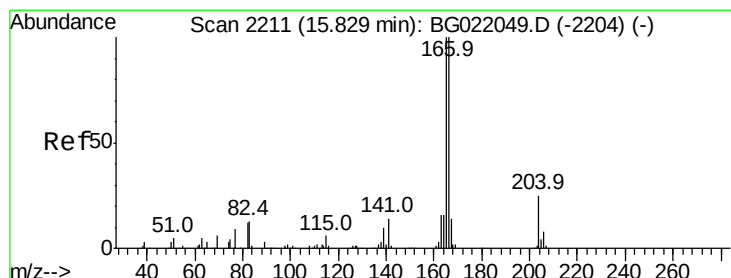
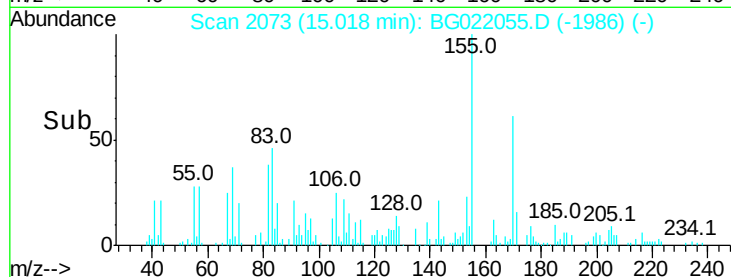
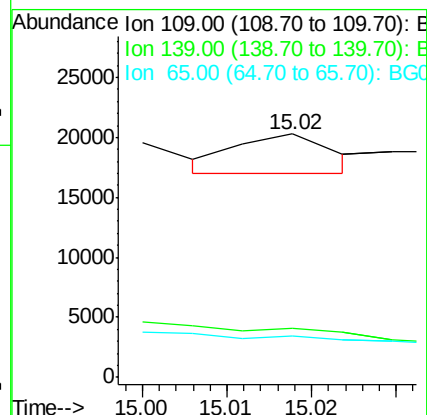
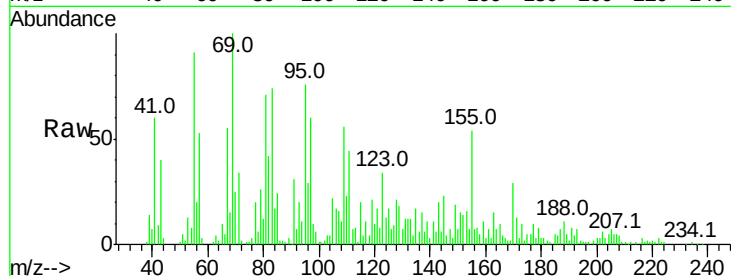
Tot Ion:109 Resp: 2557

Ion Ratio Lower Upper

109 100

139 20.0 136.1 204.1#

65 17.1 106.0 159.0#



#58

Fluorene

Concen: 1.55 ng/ul

RT: 15.84 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

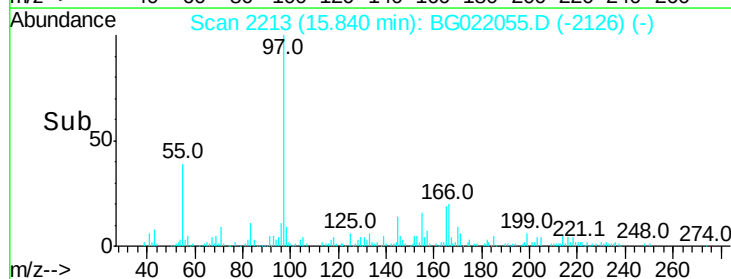
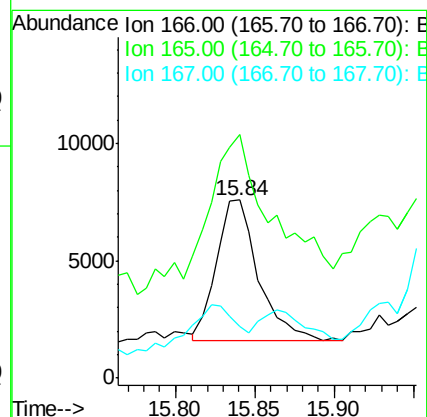
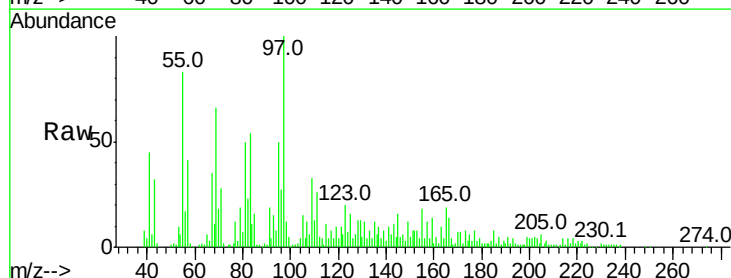
Tgt Ion:166 Resp: 11113

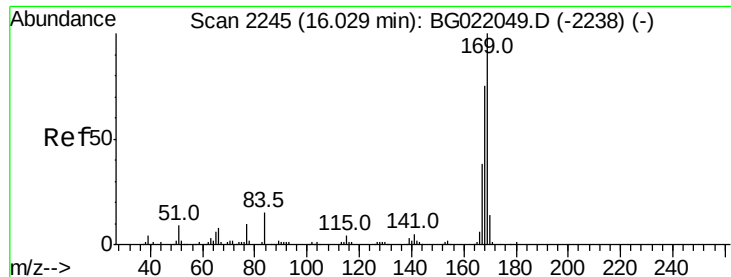
Ion Ratio Lower Upper

166 100

165 136.9 80.3 120.5#

167 29.3 10.3 15.5#





#64

N-Nitrosodiphenylamine

Concen: 4.27 ng/ul

RT: 16.04 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampled :

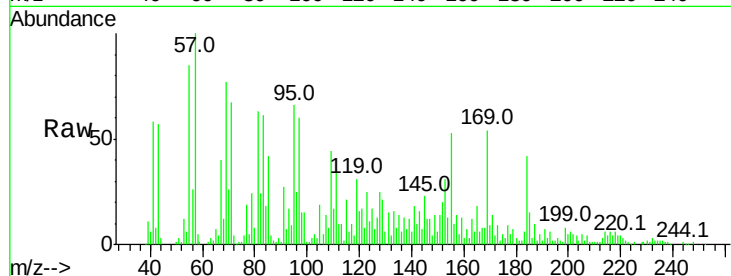
Tot Ion:169 Resp: 22842

Ion Ratio Lower Upper

169 100

168 15.4 59.0 88.6#

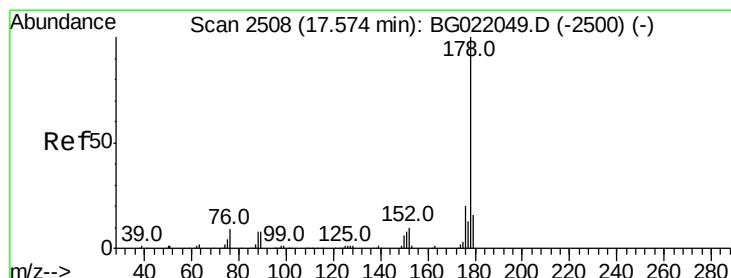
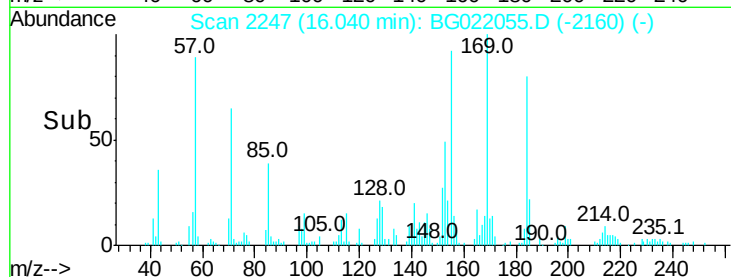
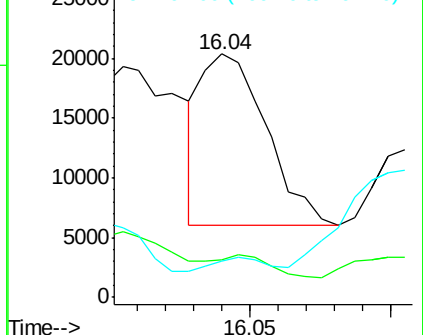
167 14.8 30.6 46.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 6.50 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

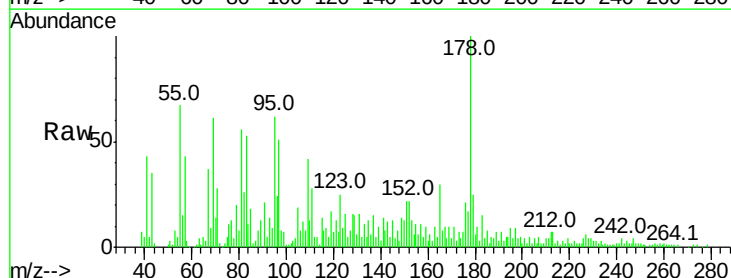
Tgt Ion:178 Resp: 61233

Ion Ratio Lower Upper

178 100

179 25.3 12.9 19.3#

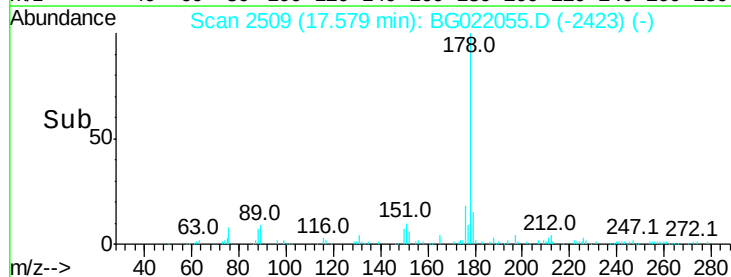
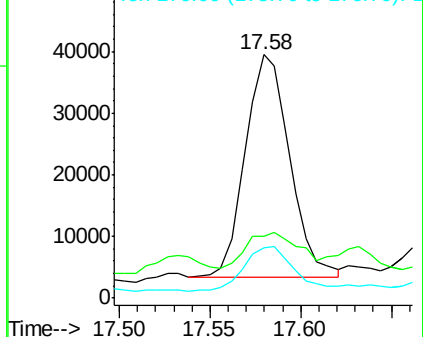
176 20.7 15.8 23.8

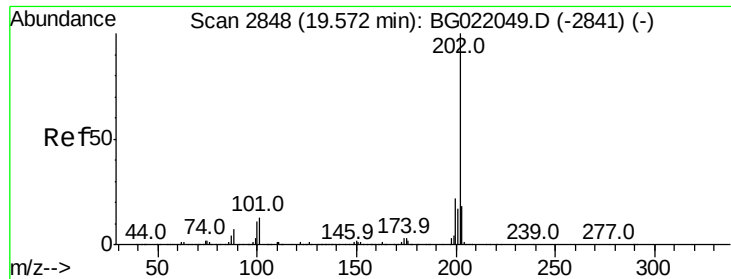


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 7.60 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampleId :

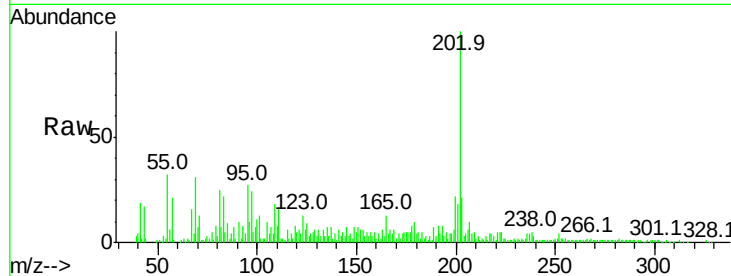
Tot Ion:202 Resp: 73189

Ion Ratio Lower Upper

202 100

101 13.2 10.6 16.0

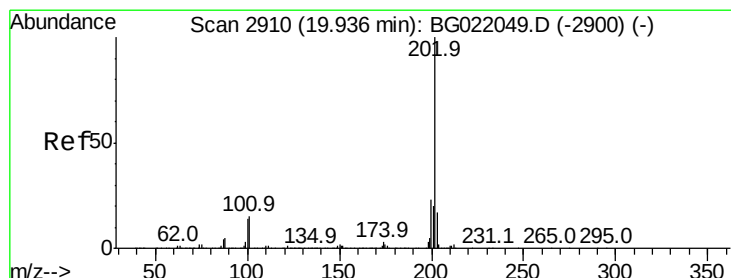
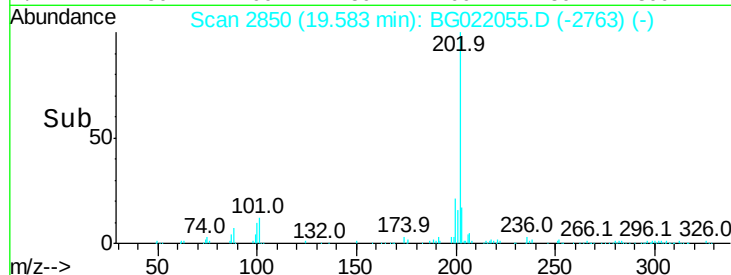
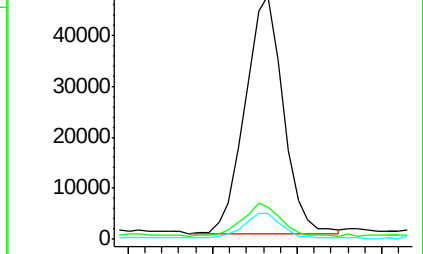
100 10.7 8.7 13.1



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



#77

Pyrene

Concen: 9.38 ng/ul

RT: 19.94 min Scan# 2911

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

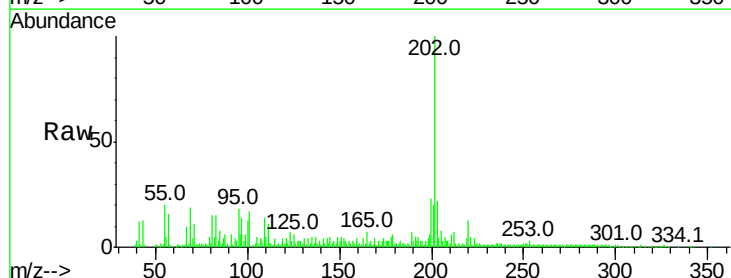
Tgt Ion:202 Resp: 105057

Ion Ratio Lower Upper

202 100

101 16.6 12.5 18.7

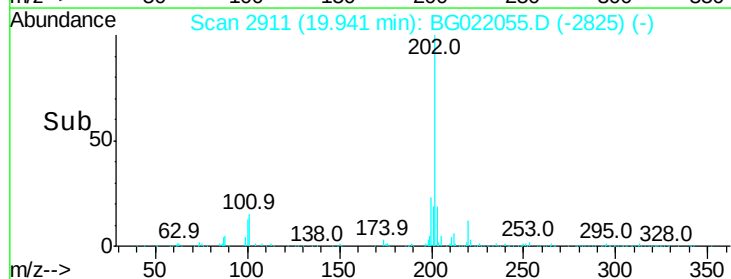
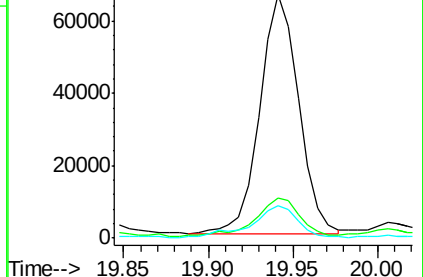
100 13.2 10.2 15.4

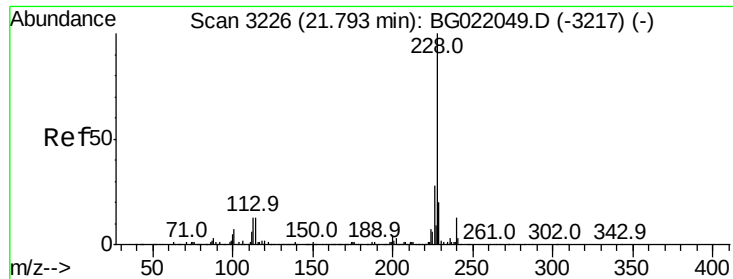


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.16 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

Instrument :

BNA_G

ClientSampled :

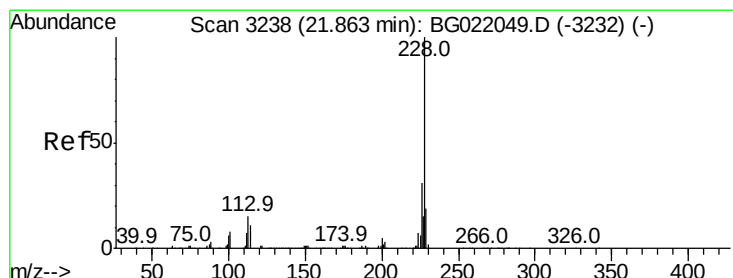
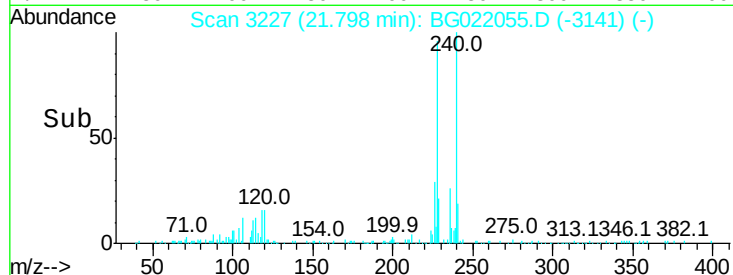
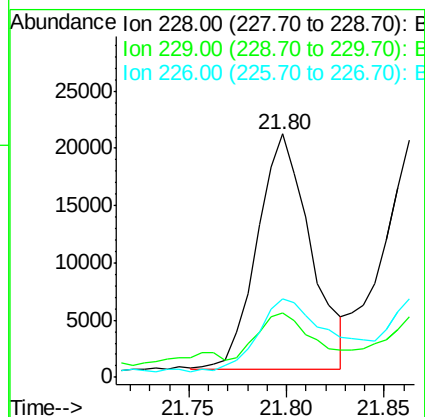
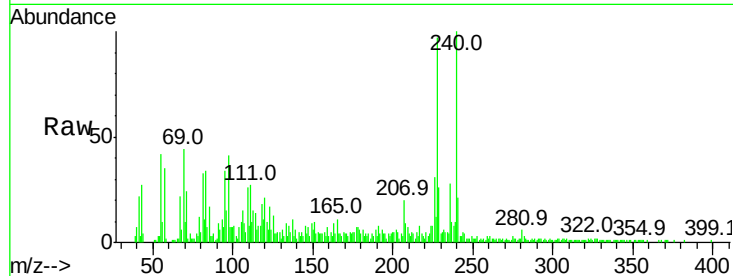
Tot Ion:228 Resp: 38891

Ion Ratio Lower Upper

228 100

229 26.7 15.4 23.2#

226 32.1 22.8 34.2



#82

Chrysene

Concen: 4.67 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG022055.D

Acq: 23 May 2016 20:39

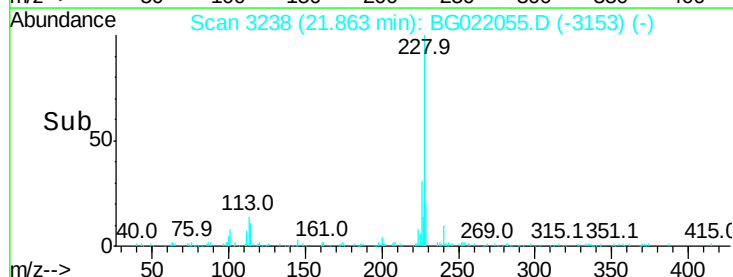
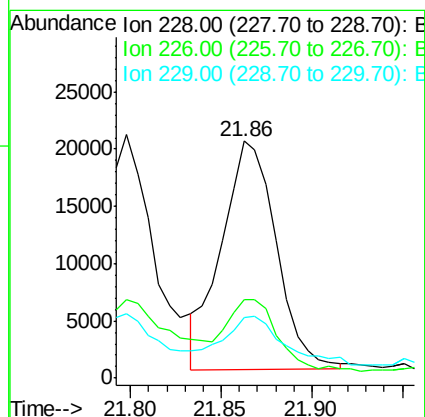
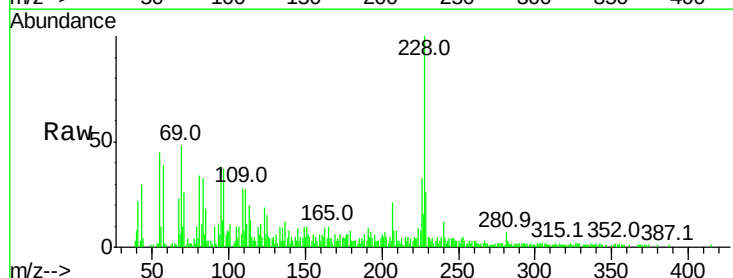
Tgt Ion:228 Resp: 41852

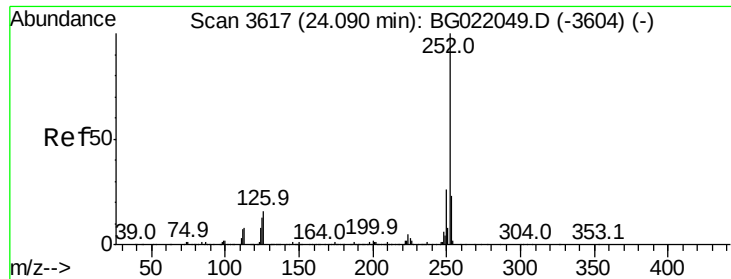
Ion Ratio Lower Upper

228 100

226 33.3 24.2 36.4

229 25.9 15.0 22.6#

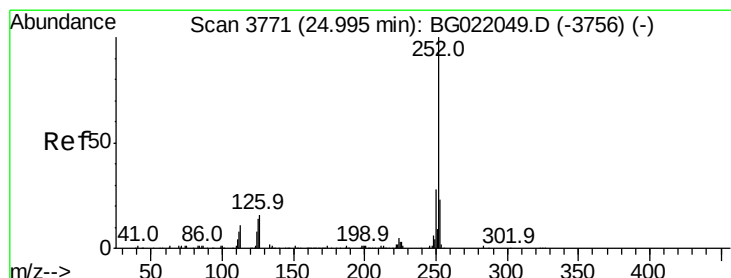
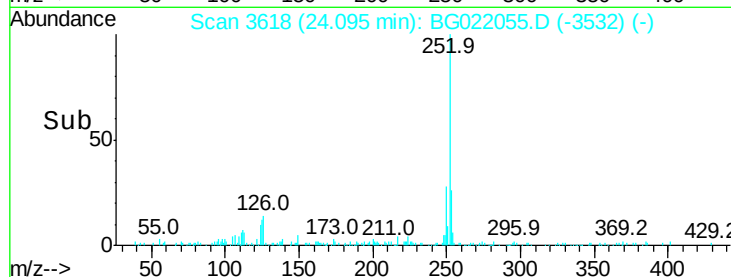
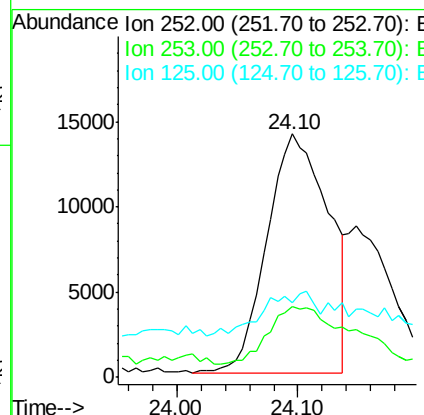
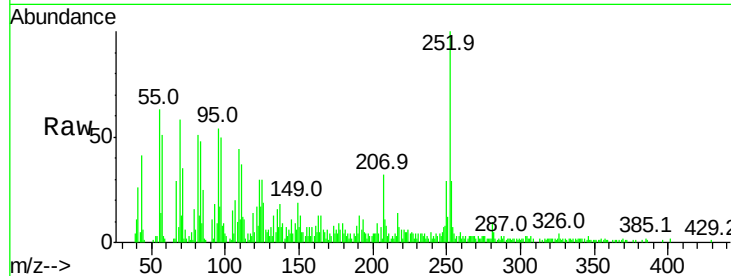




#85
Benzo(b)fluoranthene
Concen: 5.70 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. 0.01 min
Lab File: BG022055.D
Acq: 23 May 2016 20:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2
125	30.4	10.8	16.2



#88
Benzo(a)pyrene
Concen: 4.86 ng/ul
RT: 25.00 min Scan# 3772
Delta R.T. 0.01 min
Lab File: BG022055.D
Acq: 23 May 2016 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.0	28.4
125	32.6	12.0	18.0

