

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
 Data File : BG022054.D
 Acq On : 23 May 2016 19:58
 Operator : UM/SJ
 Sample : H3124-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 07:45:58 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	8.16	152	42082	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	200211	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	103374	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	197340	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	191325	20.00	ng/ul	0.00
83) Perylene-d12	25.17	264	175360	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2929	3.63	ng/uL	0.00
5) Phenol-d5	7.32	99	65742	17.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	36805	18.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	60216	18.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	53948	16.73	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	28379	19.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	30058	18.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	52139	18.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	54442	17.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	148825	19.17	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	213952	19.73	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	13143	9.83	ng/ul	0.01
57) Fluorene-d10	15.78	176	139300	19.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	3402	3.30	ng/ul	0.00
70) Anthracene-d10	17.63	188	194281	20.51	ng/ul	0.00
76) Pyrene-d10	19.91	212	204786	18.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.94	264	172812	21.24	ng/ul	0.01

Target Compounds

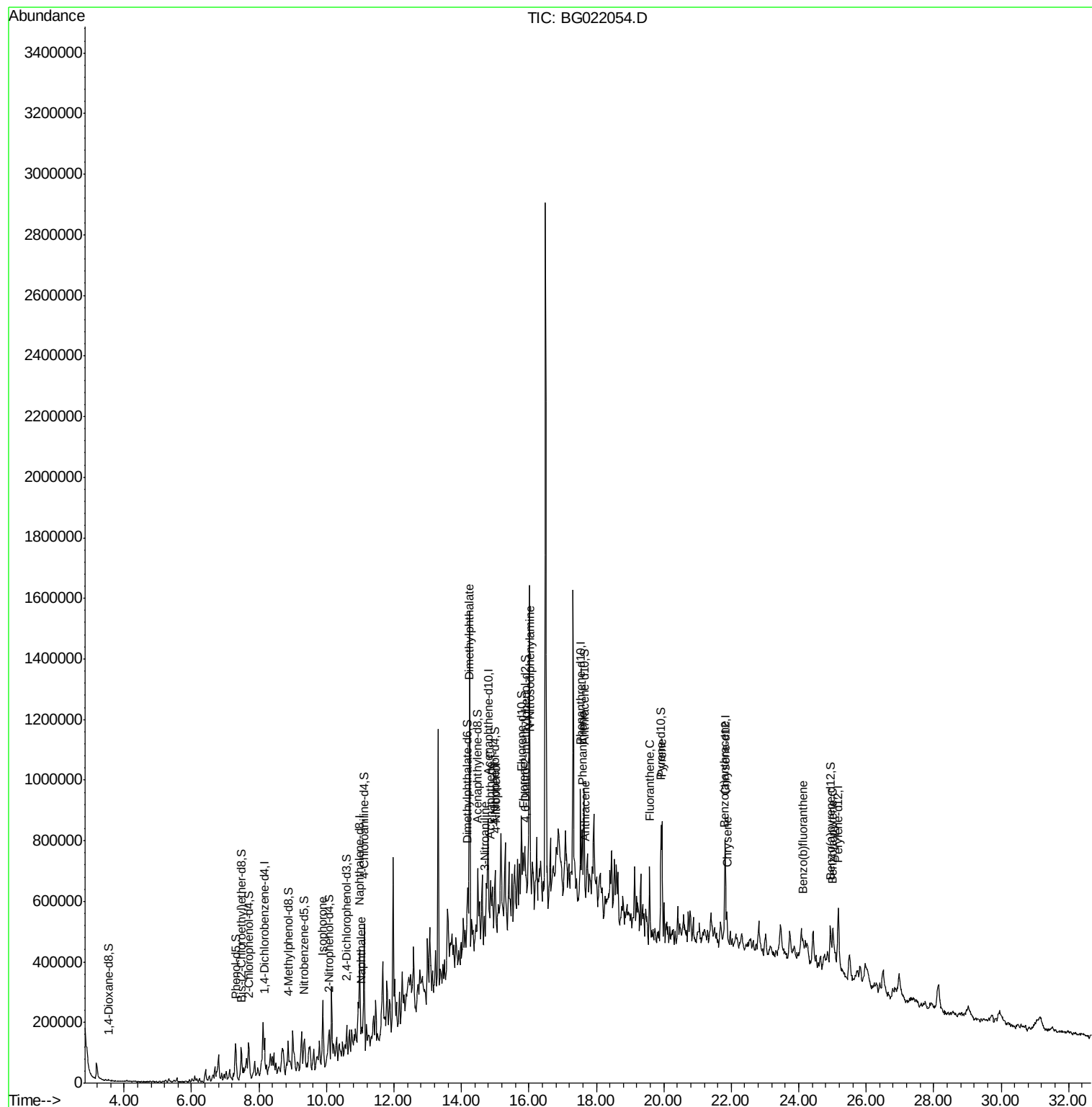
					Ovalue	
21) Isophorone	9.89	82	28789	4.52	ng/ul#	1
28) Naphthalene	11.03	128	11395	1.12	ng/ul#	78
44) Dimethylphthalate	14.23	163	84920	10.88	ng/ul#	95
48) 3-Nitroaniline	14.69	138	2959	1.85	ng/ul#	32
49) Acenaphthene	14.85	153	14936	1.96	ng/ul#	85
52) 4-Nitrophenol	15.01	109	772	1.02	ng/ul#	1
58) Fluorene	15.84	166	21246	2.67	ng/ul#	92
64) N-Nitrosodiphenylamine	16.04	169	40361	6.47	ng/ul#	39
69) Phenanthrene	17.58	178	136088	12.40	ng/ul#	92
71) Anthracene	17.67	178	17625	1.59	ng/ul#	74
74) Fluoranthene	19.58	202	150562	13.42	ng/ul	98
77) Pyrene	19.94	202	216564	16.09	ng/ul	99
80) Benzo(a)anthracene	21.80	228	62405	5.56	ng/ul#	80
82) Chrysene	21.86	228	71299	6.62	ng/ul#	87
85) Benzo(b)fluoranthene	24.11	252	53777	5.24	ng/ul#	47
88) Benzo(a)pyrene	25.01	252	50858	5.14	ng/ul#	74

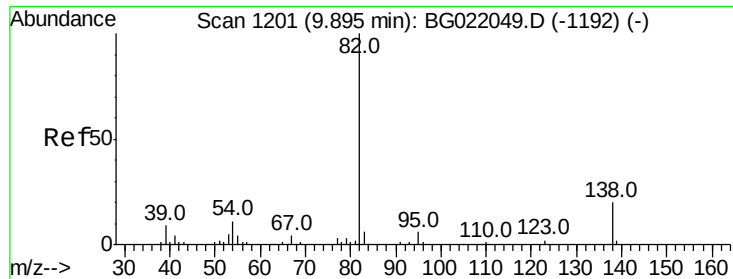
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
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Quant Time: May 24 07:45:58 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





#21

Isophorone

Concen: 4.52 ng/ul

RT: 9.89 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

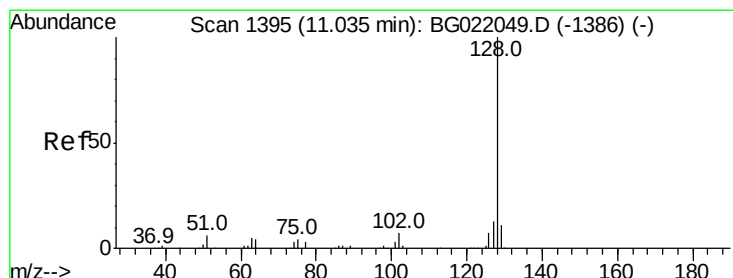
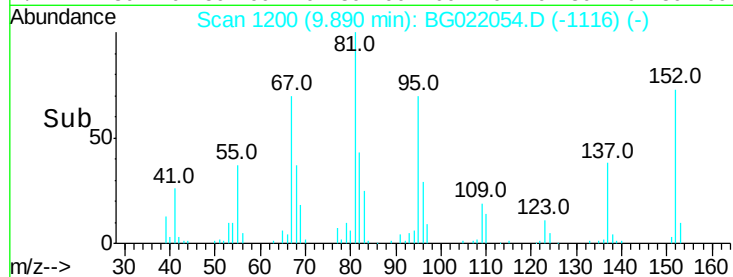
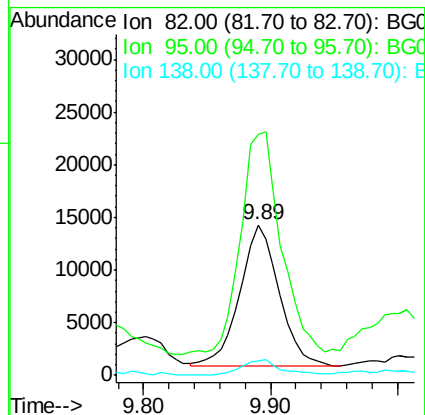
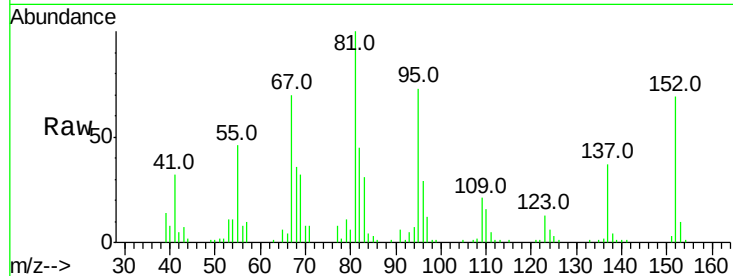
Tot Ion: 82 Resp: 28789

Ion Ratio Lower Upper

82 100

95 160.0 5.1 7.7#

138 9.9 15.0 22.6#



#28

Naphthalene

Concen: 1.12 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

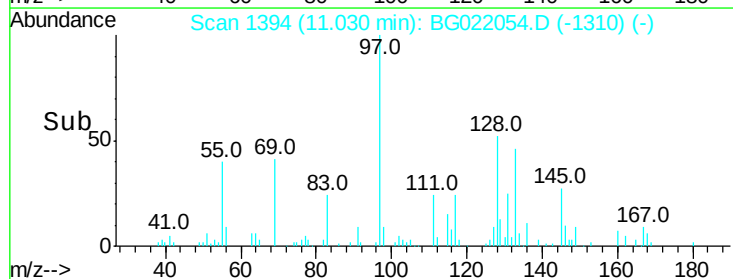
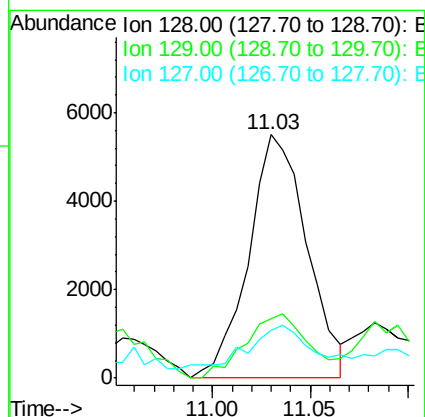
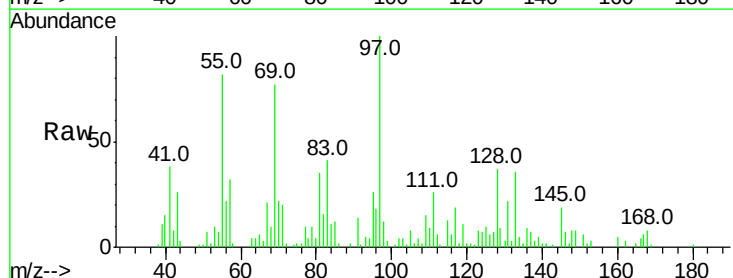
Tgt Ion: 128 Resp: 11395

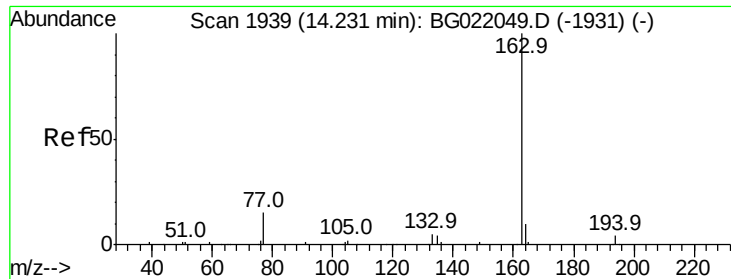
Ion Ratio Lower Upper

128 100

129 24.1 9.4 14.2#

127 19.8 11.2 16.8#





#44

Dimethylphthalate

Concen: 10.88 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

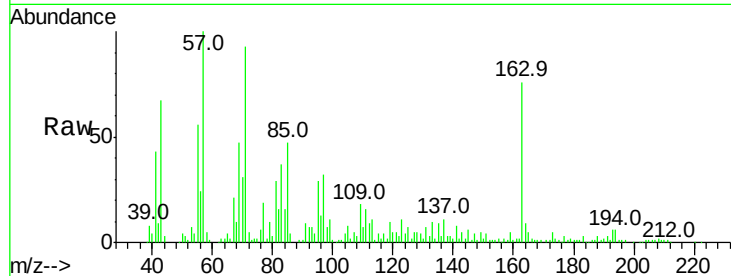
Tot Ion:163 Resp: 84920

Ion Ratio Lower Upper

163 100

194 8.0 3.4 5.2#

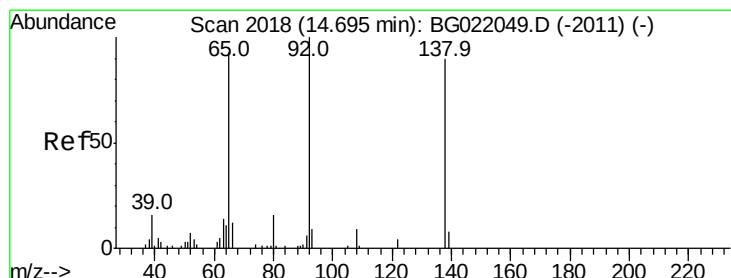
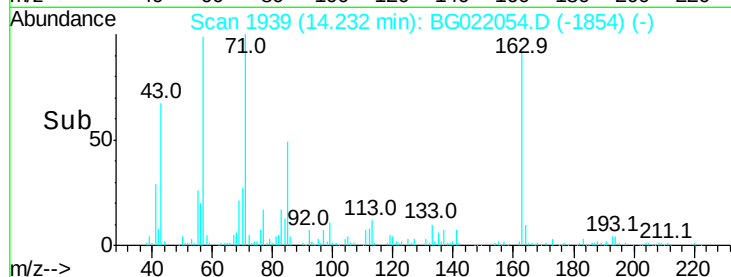
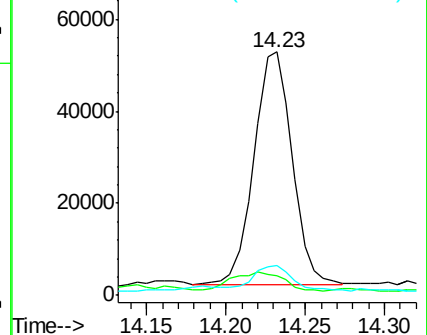
164 12.1 8.8 13.2



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: 1.85 ng/ul

RT: 14.69 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

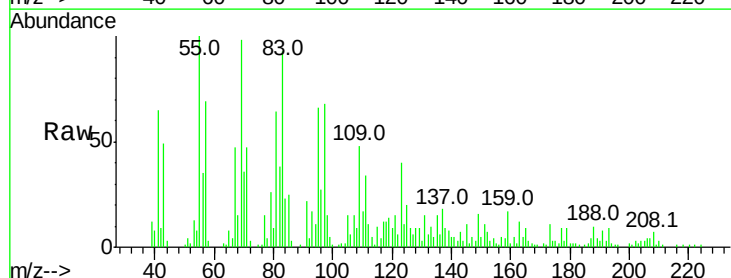
Tgt Ion:138 Resp: 2959

Ion Ratio Lower Upper

138 100

108 106.5 6.2 9.2#

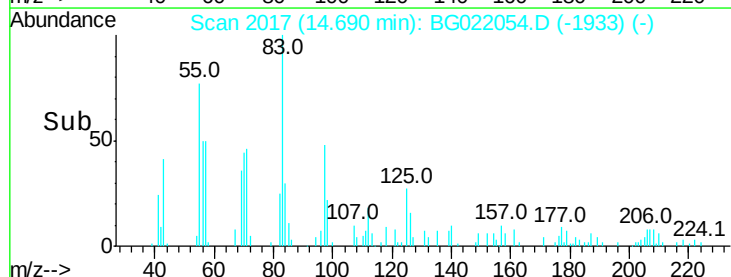
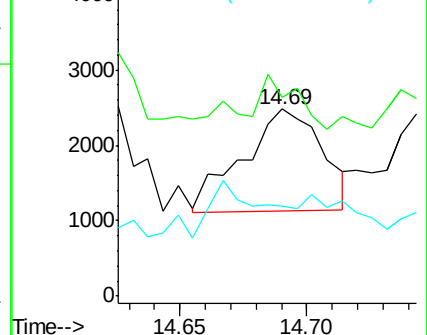
92 48.4 79.3 118.9#

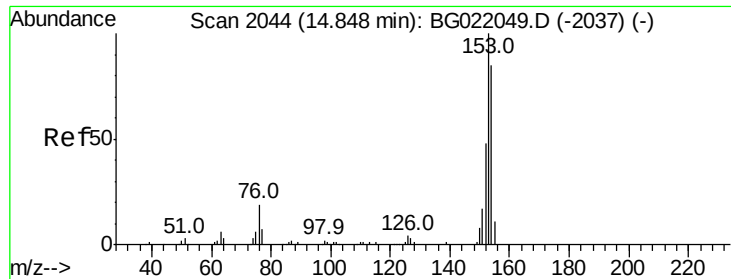


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#49

Acenaphthene

Concen: 1.96 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

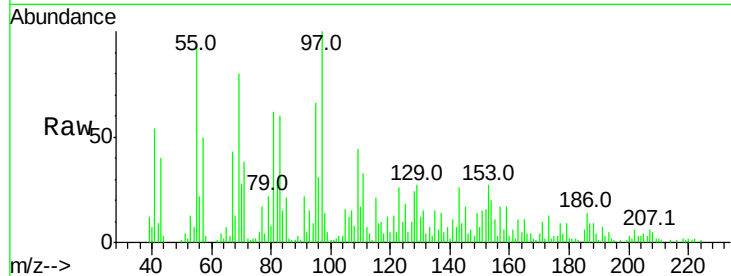
Tot Ion:153 Resp: 14936

Ion Ratio Lower Upper

153 100

152 57.1 37.3 55.9#

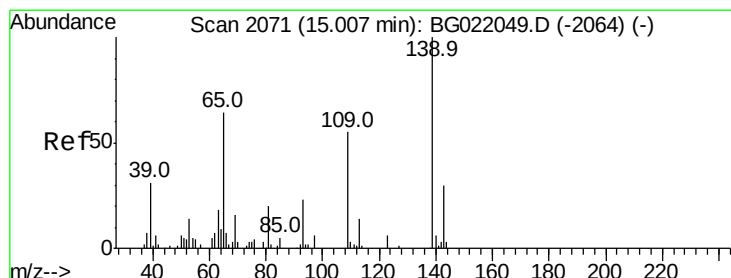
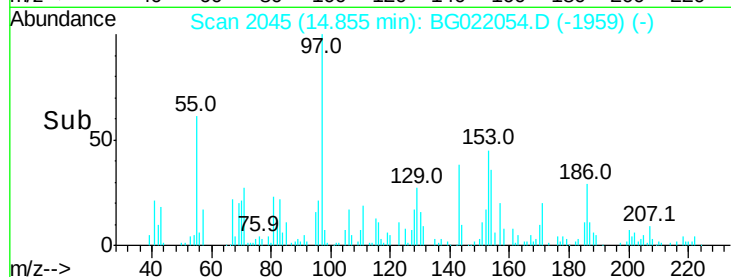
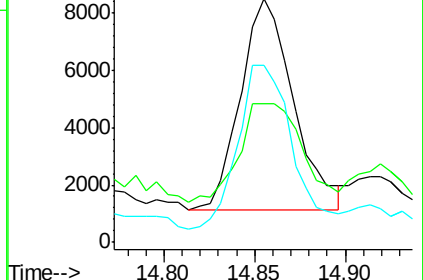
154 72.6 68.2 102.2



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



#52

4-Nitrophenol

Concen: 1.02 ng/ul

RT: 15.01 min Scan# 2072

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

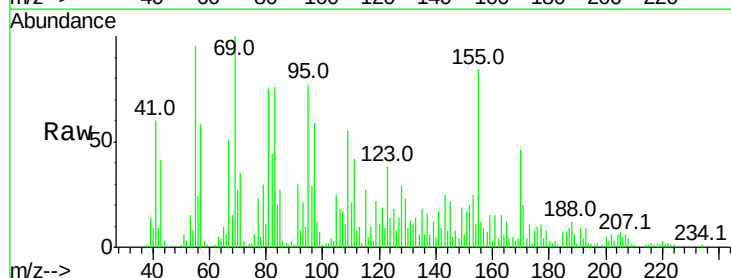
Tgt Ion:109 Resp: 772

Ion Ratio Lower Upper

109 100

139 21.8 136.1 204.1#

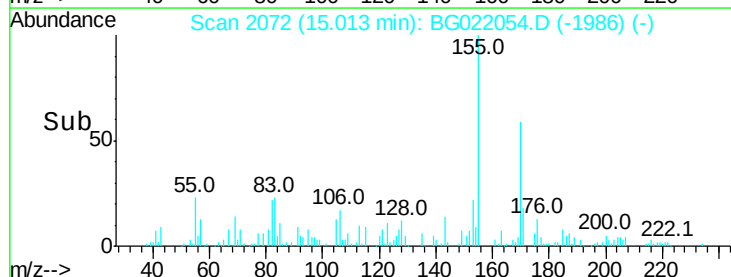
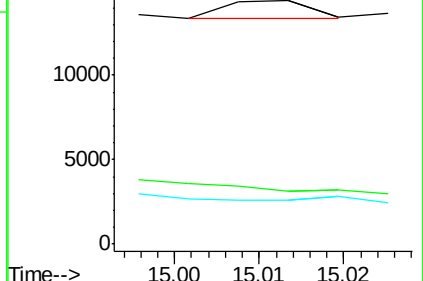
65 18.2 106.0 159.0#

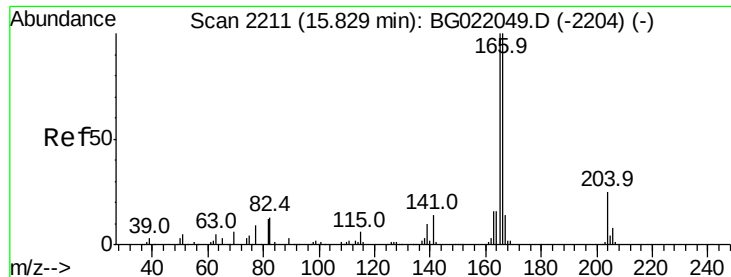


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG





#58

Fluorene

Concen: 2.67 ng/ul

RT: 15.84 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:166 Resp: 21246

Ion Ratio Lower Upper

166 100

165 106.3

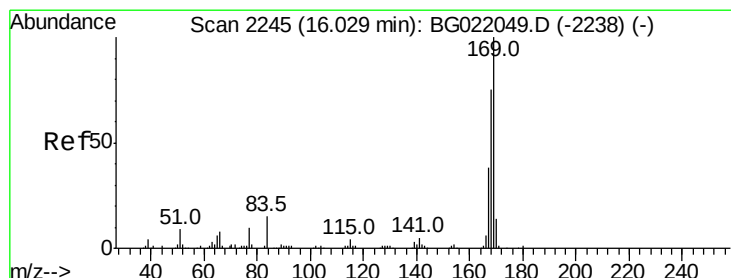
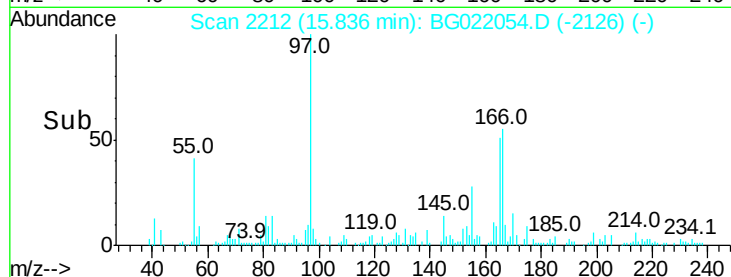
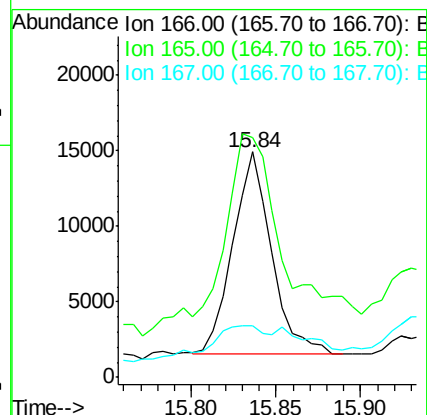
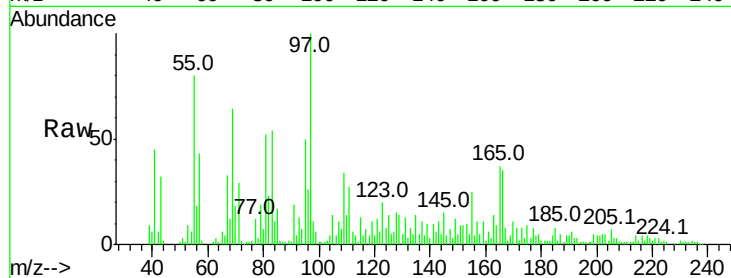
167 23.1

80.3

10.3

120.5

15.5#



#64

N-Nitrosodiphenylamine

Concen: 6.47 ng/ul

RT: 16.04 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Tgt Ion:169 Resp: 40361

Ion Ratio Lower Upper

169 100

168 13.6

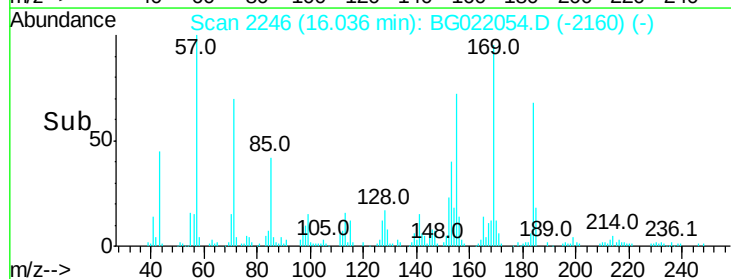
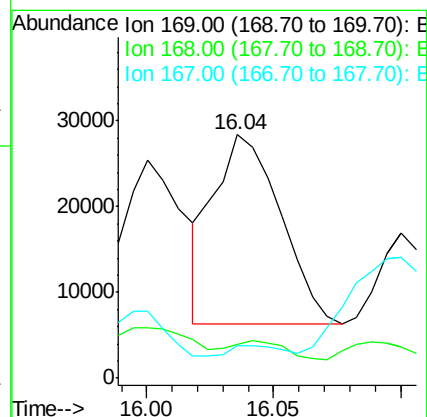
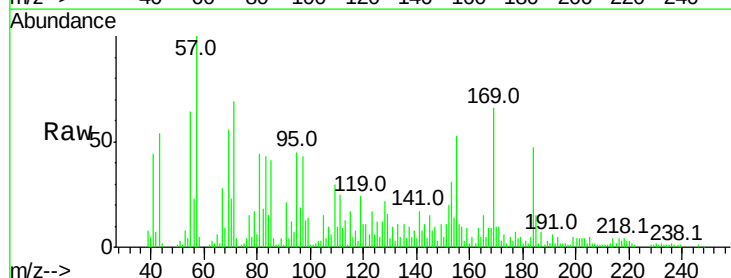
167 13.4

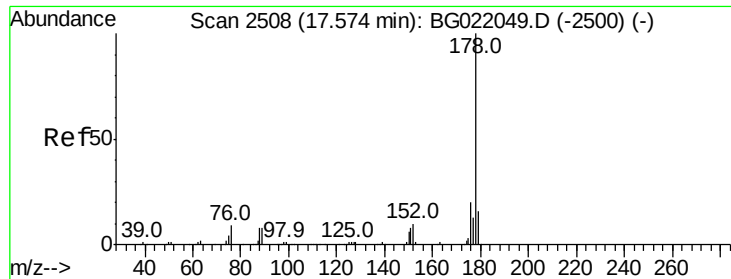
59.0

30.6

88.6#

46.0#





#69

Phenanthrene

Concen: 12.40 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

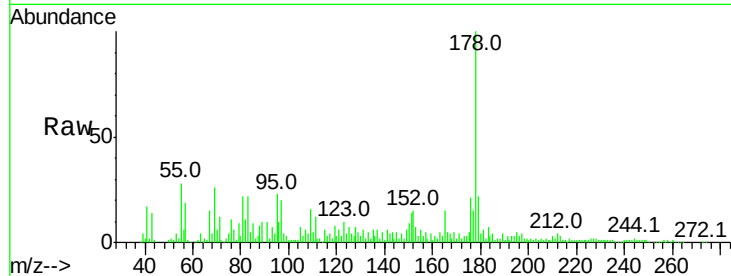
Tot Ion:178 Resp: 136088

Ion Ratio Lower Upper

178 100

179 21.9 12.9 19.3#

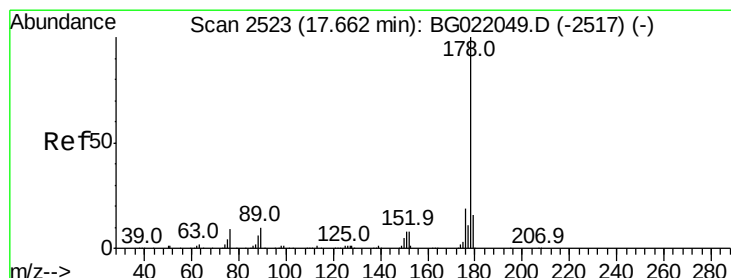
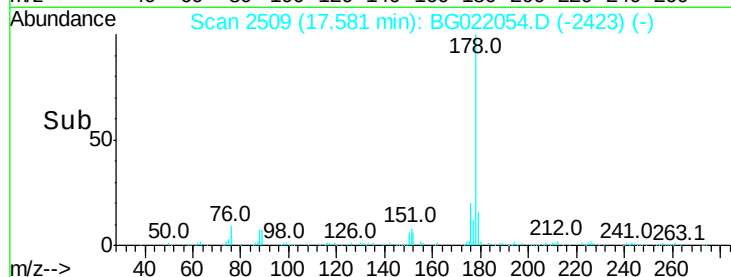
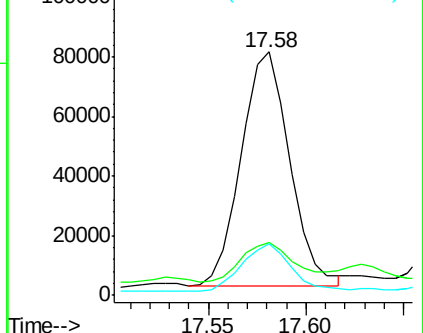
176 21.3 15.8 23.8



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



#71

Anthracene

Concen: 1.59 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

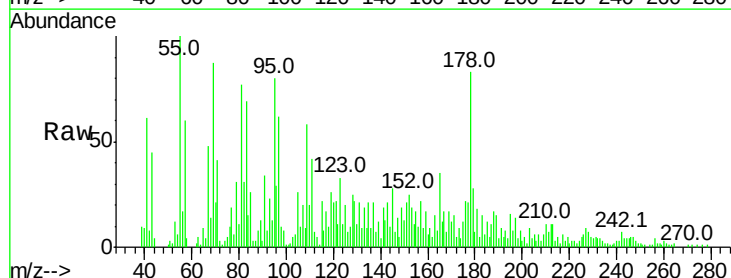
Tgt Ion:178 Resp: 17625

Ion Ratio Lower Upper

178 100

179 33.2 12.3 18.5#

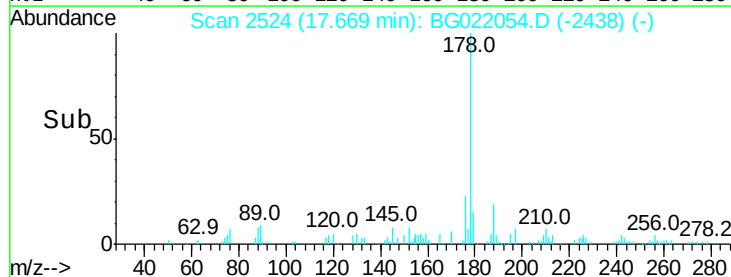
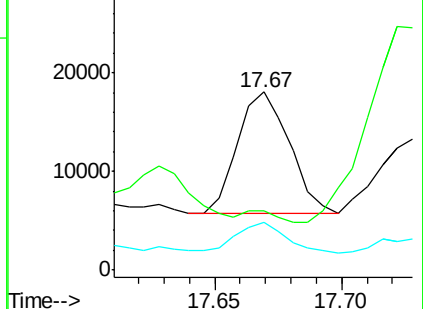
176 26.8 16.3 24.5#

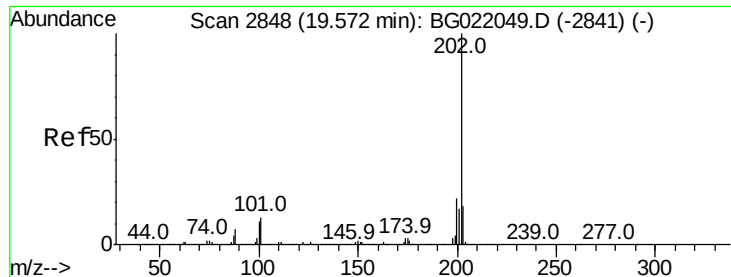


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 13.42 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

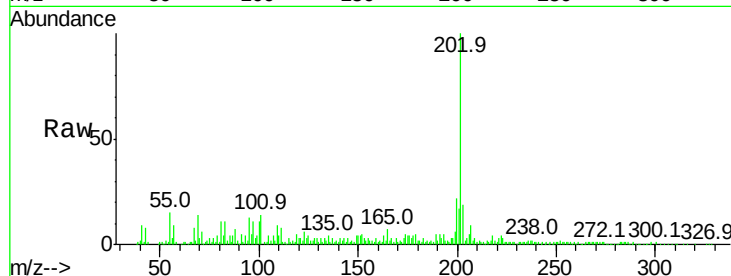
Tot Ion:202 Resp: 150562

Ion Ratio Lower Upper

202 100

101 14.2 10.6 16.0

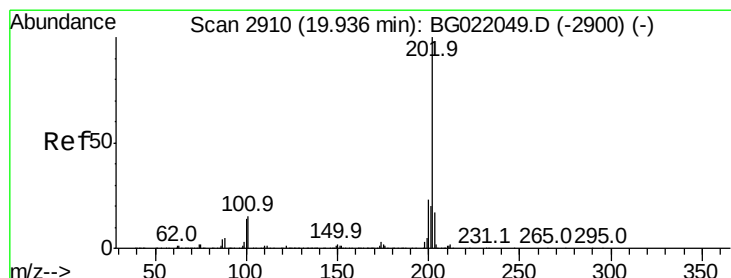
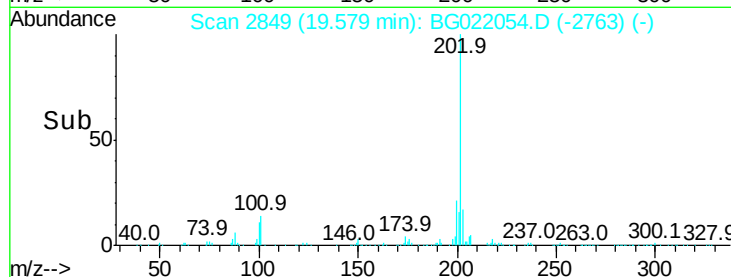
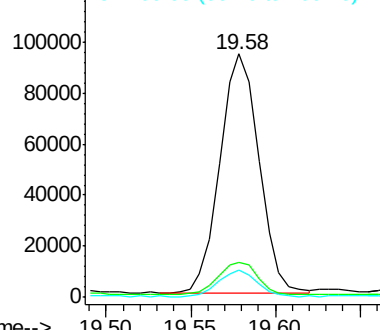
100 11.1 8.7 13.1



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: 16.09 ng/ul

RT: 19.94 min Scan# 2911

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

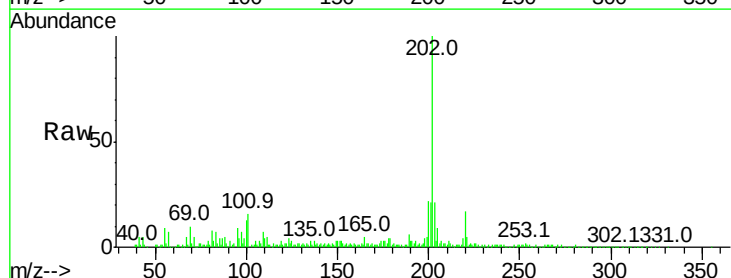
Tgt Ion:202 Resp: 216564

Ion Ratio Lower Upper

202 100

101 16.3 12.5 18.7

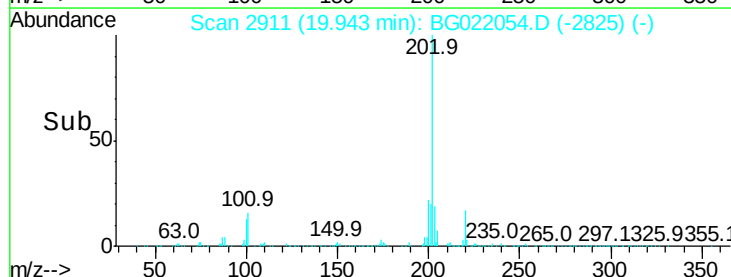
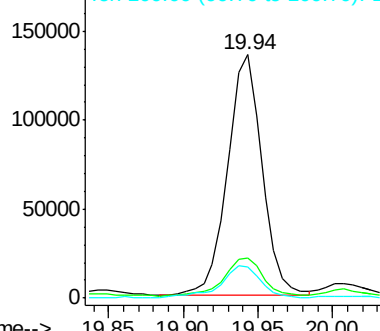
100 12.8 10.2 15.4

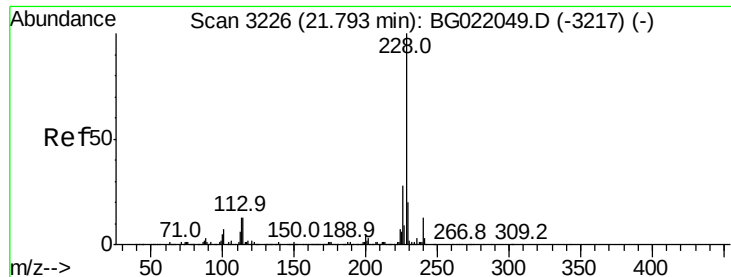


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.56 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

Instrument :

BNA_G

ClientSampleId :

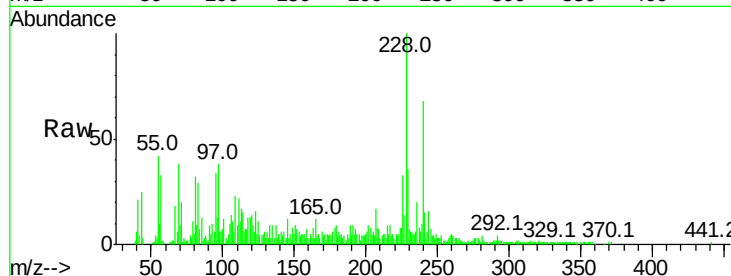
Tot Ion:228 Resp: 62405

Ion Ratio Lower Upper

228 100

229 35.9 15.4 23.2#

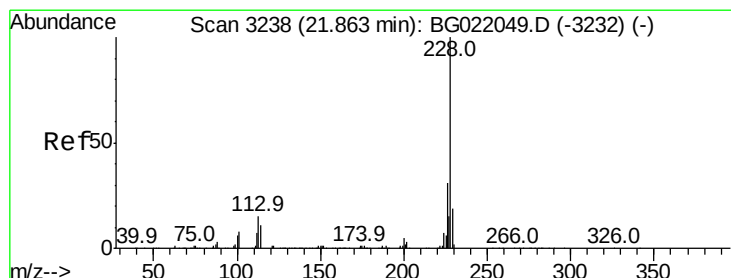
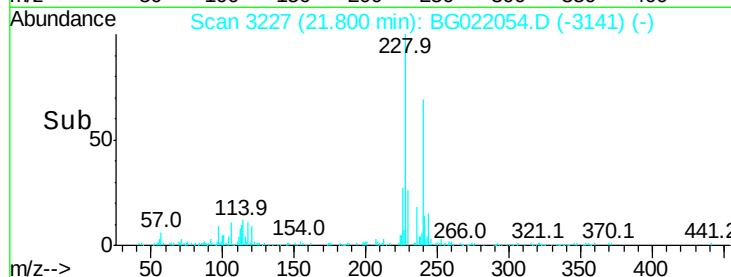
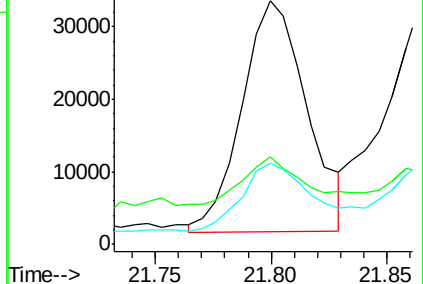
226 33.2 22.8 34.2



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: 6.62 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG022054.D

Acq: 23 May 2016 19:58

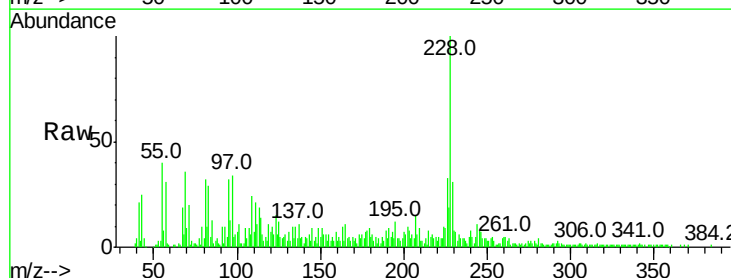
Tgt Ion:228 Resp: 71299

Ion Ratio Lower Upper

228 100

226 33.1 24.2 36.4

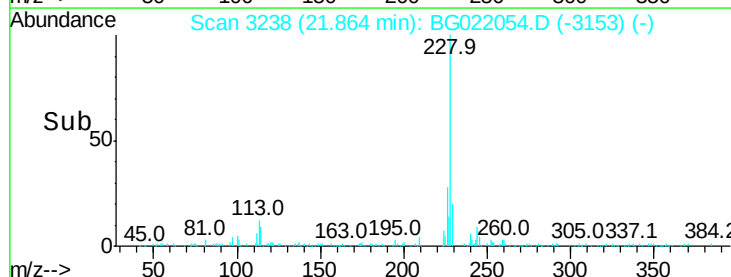
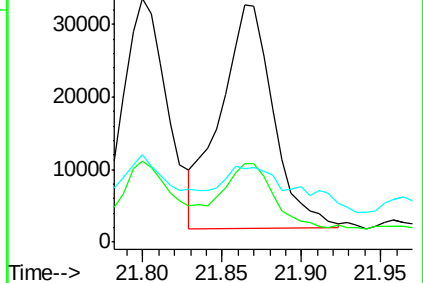
229 30.7 15.0 22.6#

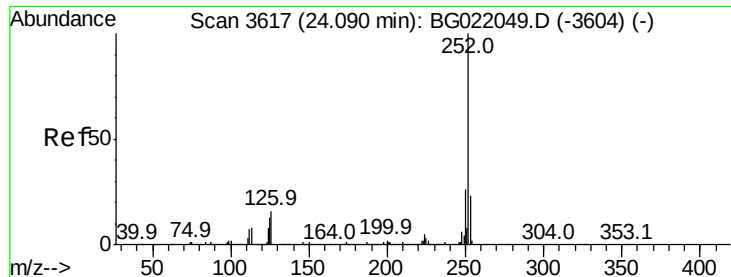


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

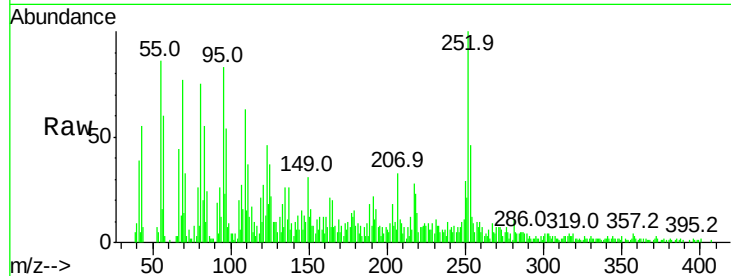




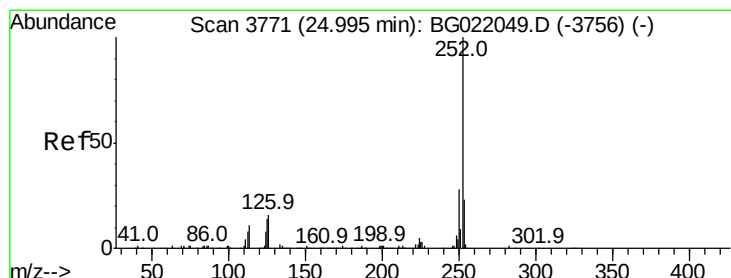
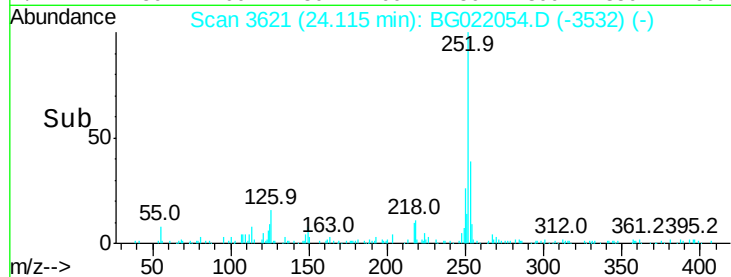
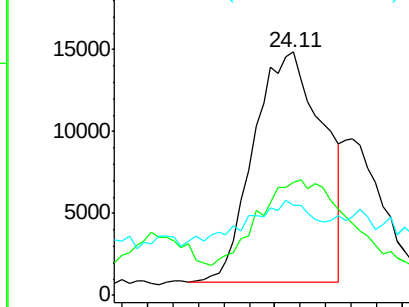
#85
Benzo(b)fluoranthene
Concen: 5.24 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. 0.02 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	46.3	18.2	27.2#
125	37.1	10.8	16.2#

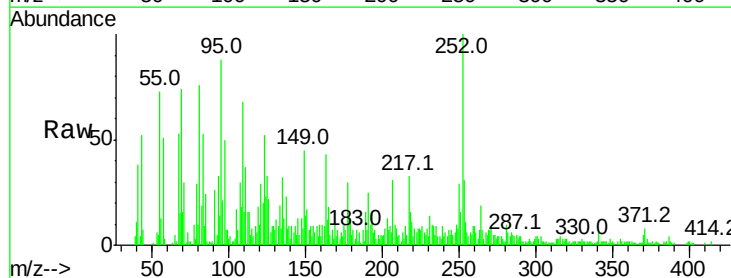


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(a)pyrene
Concen: 5.14 ng/ul
RT: 25.01 min Scan# 3774
Delta R.T. 0.02 min
Lab File: BG022054.D
Acq: 23 May 2016 19:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	19.0	28.4#
125	33.3	12.0	18.0#



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

