

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051016\
 Data File : BG021829.D
 Acq On : 10 May 2016 23:22
 Operator : UM/SJ
 Sample : H2937-02MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MS

Quant Time: May 11 03:33:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	85273	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	419017	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	245228	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	491010	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	489230	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	479021	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	4992	2.83	ng/uL	0.00
5) Phenol-d5	7.33	99	109469	17.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.64	67	864	0.28	ng/ul	0.14
9) 2-Chlorophenol-d4	7.71	132	102040	20.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	90356	17.00	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	48286	17.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	49134	28.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	97920	19.90	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	73946	13.95	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	317064	18.41	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	429892	17.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	40585	13.75	ng/ul	0.00
58) Fluorene-d10	15.79	176	292619	16.13	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	30551	22.46	ng/ul	0.00
71) Anthracene-d10	17.64	188	401513	16.80	ng/ul	0.00
77) Pyrene-d10	19.92	212	423891	18.51	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	391166	17.19	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.71	77	1577	2.29	ng/ul	97
6) Phenol	7.36	94	115469	17.16	ng/ul#	71
10) 2-Chlorophenol	7.75	128	100997	20.40	ng/ul#	77
15) N-Nitroso-di-n-propylamine	8.99	70	68495	17.31	ng/ul#	73
32) Caprolactam	12.26	113	2550	1.20	ng/ul#	11
45) Dimethylphthalate	14.25	163	61926	3.53	ng/ul	98
50) Acenaphthene	14.87	153	318022	18.27	ng/ul	98
53) 4-Nitrophenol	15.00	109	22210	16.51	ng/ul#	29
55) 2,4-Dinitrotoluene	15.16	165	87758	18.31	ng/ul#	58
68) Atrazine	17.19	200	9914	2.41	ng/ul#	35
69) Pentachlorophenol	17.19	266	56373	24.91	ng/ul	96
70) Phenanthrene	17.59	178	62969	2.35	ng/ul	100
72) Anthracene	17.59	178	62969	2.31	ng/ul	97
75) Fluoranthene	19.59	202	111703	3.66	ng/ul#	94
78) Pyrene	19.59	202	111703	3.95	ng/ul	98
81) Benzo(a)anthracene	21.81	228	50750	1.86	ng/ul	94
82) Bis(2-ethylhexyl)phthalate	21.70	149	19614	1.92	ng/ul#	96
83) Chrysene	21.88	228	51456	1.91	ng/ul	94
86) Benzo(b)fluoranthene	24.10	252	79845	2.91	ng/ul#	97
89) Benzo(a)pyrene	25.00	252	56142	2.06	ng/ul#	91
90) Indeno(1,2,3-cd)pyrene	28.98	276	40285	1.25	ng/ul#	91
92) Benzo(g,h,i)perylene	30.17	276	39770	1.49	ng/ul#	91

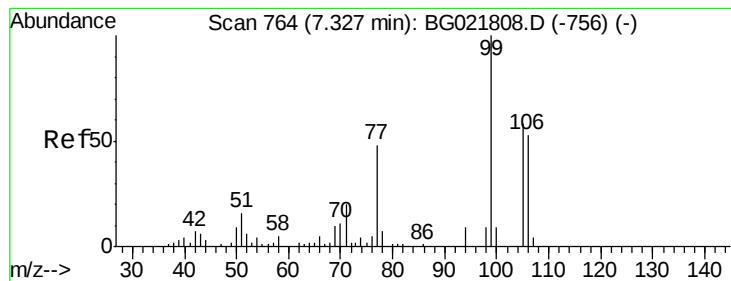
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051016\
Data File : BG021829.D
Acq On : 10 May 2016 23:22
Operator : UM/SJ
Sample : H2937-02MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WL1MS

Quant Time: May 11 03:33:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 11 02:37:33 2016
Response via : Initial Calibration

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

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



#4

Benzaldehyde

Concen: 2.29 ng/ul

RT: 7.71 min Scan# 829

Delta R.T. 0.38 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

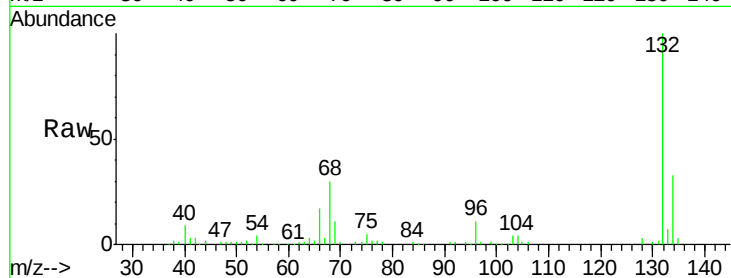
Tgt Ion: 77 Resp: 1577

Ion Ratio Lower Upper

77 100

105 81.5 68.5 102.7

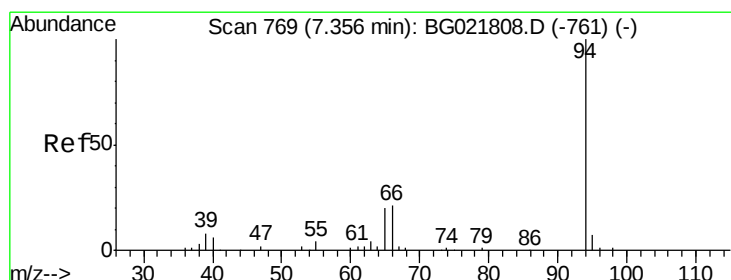
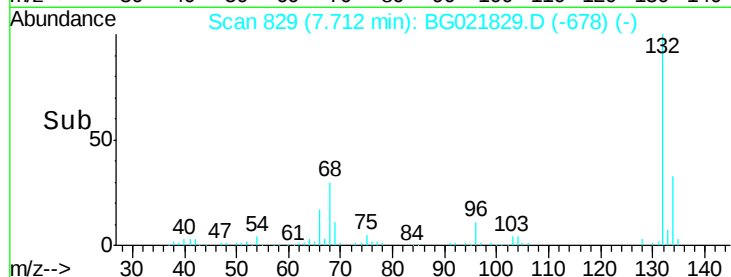
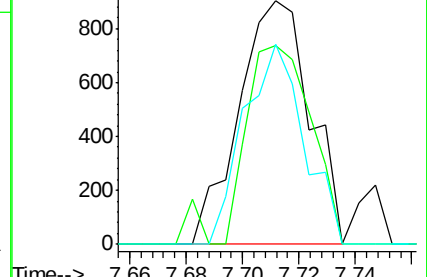
106 82.2 65.0 97.4



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



#6

Phenol

Concen: 17.16 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

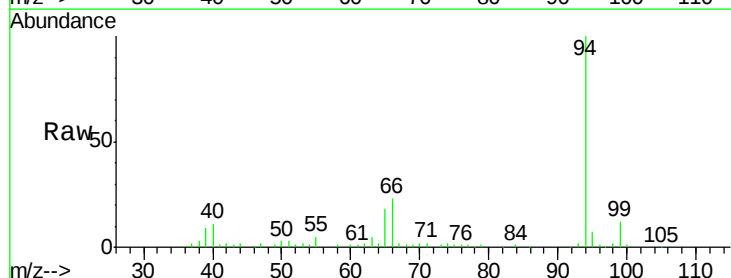
Tgt Ion: 94 Resp: 115469

Ion Ratio Lower Upper

94 100

65 18.1 26.1 39.1#

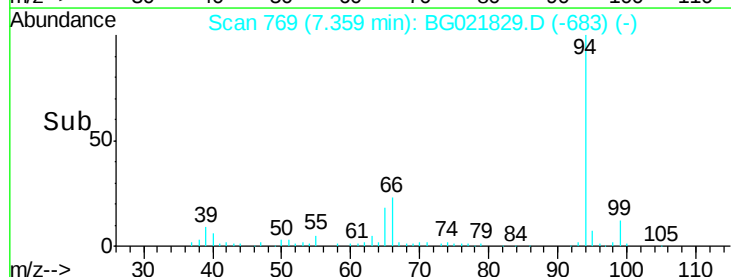
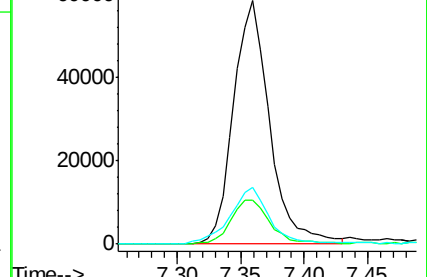
66 23.3 35.0 52.4#

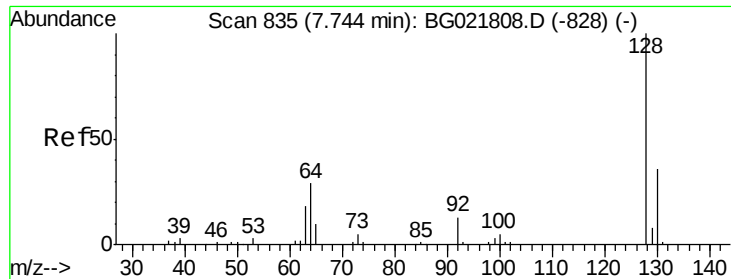


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

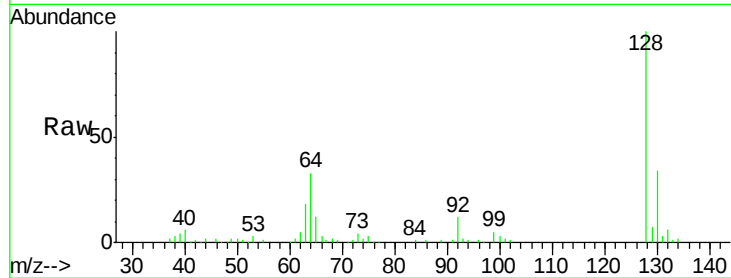




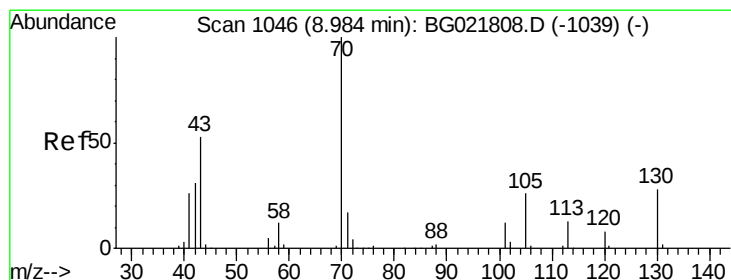
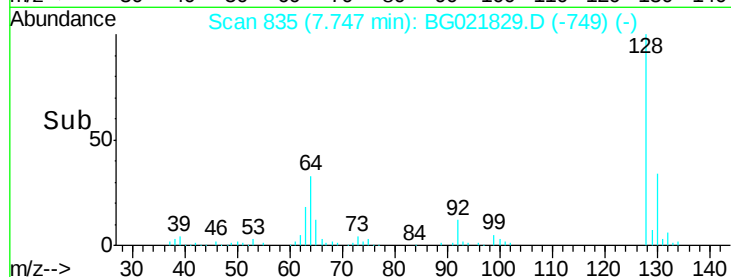
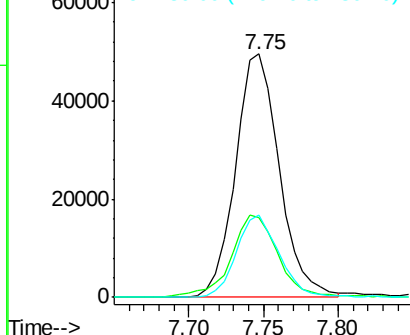
#10
 2-Chlorophenol
 Concen: 20.40 ng/ul
 RT: 7.75 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MS

Tgt Ion: 128 Resp: 100997
 Ion Ratio Lower Upper
 128 100
 64 32.8 47.0 70.6#
 130 33.6 27.8 41.6

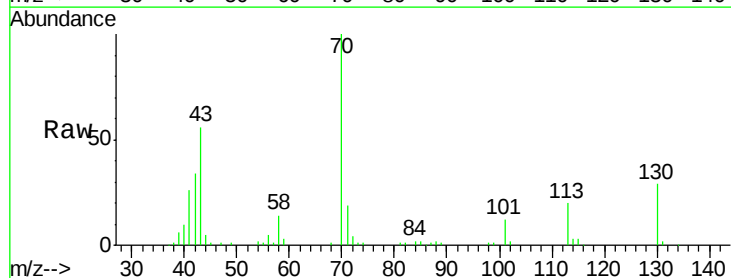


Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 130.00 (129.70 to 130.70): E

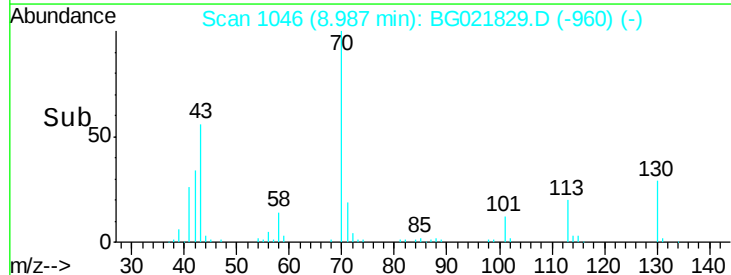
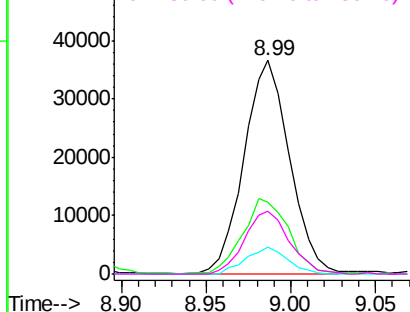


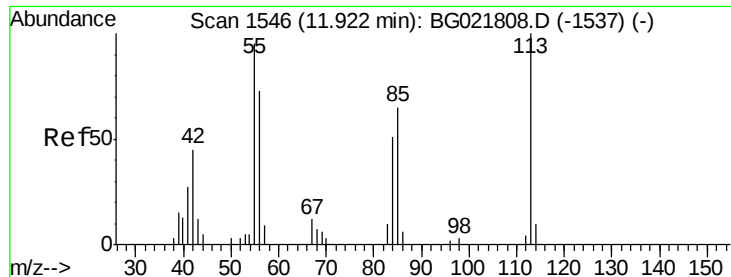
#15
 N-Nitroso-di-n-propylamine
 Concen: 17.31 ng/ul
 RT: 8.99 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

Tgt Ion: 70 Resp: 68495
 Ion Ratio Lower Upper
 70 100
 42 33.7 43.4 65.0#
 101 12.3 6.5 9.7#
 130 29.4 13.8 20.6#



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): E
 Ion 130.00 (129.70 to 130.70): E





#32

Caprolactam

Concen: 1.20 ng/ul

RT: 12.26 min Scan# 1603

Delta R.T. 0.34 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

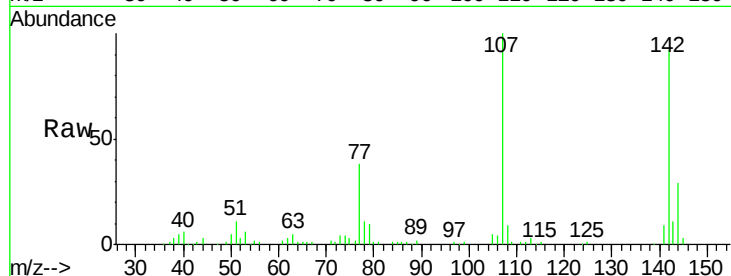
Tgt Ion:113 Resp: 2550

Ion Ratio Lower Upper

113 100

55 65.5 155.5 233.3#

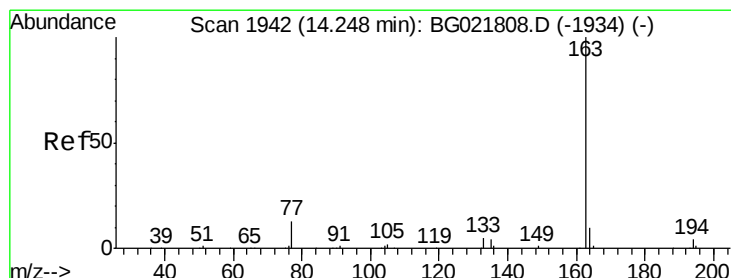
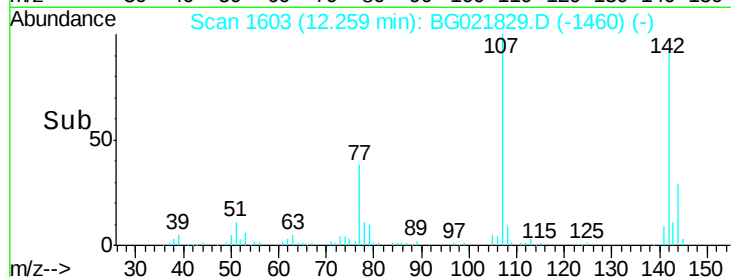
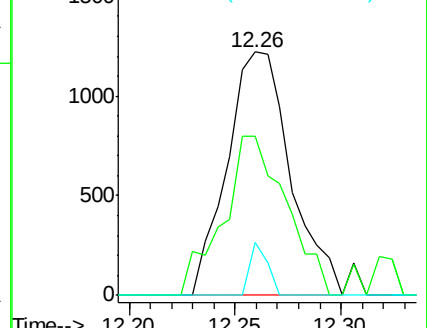
56 21.9 105.7 158.5#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#45

Dimethylphthalate

Concen: 3.53 ng/ul

RT: 14.25 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

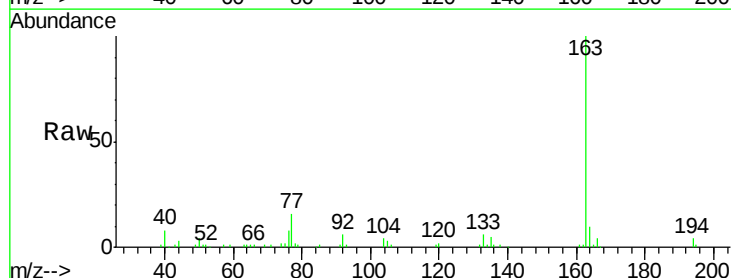
Tgt Ion:163 Resp: 61926

Ion Ratio Lower Upper

163 100

194 4.3 3.9 5.9

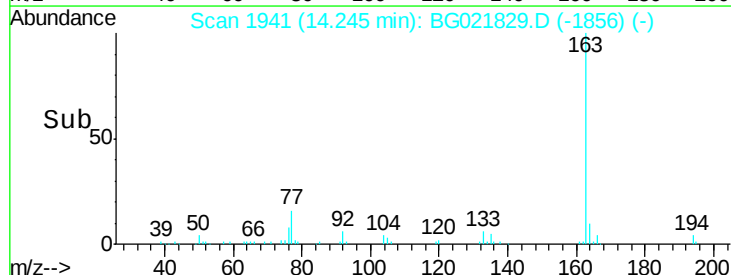
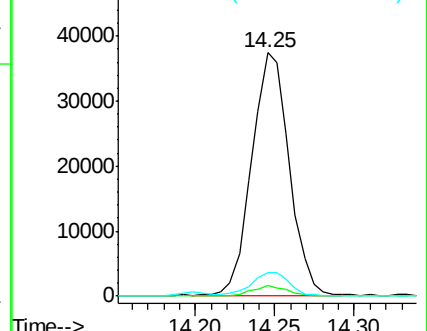
164 9.9 8.7 13.1

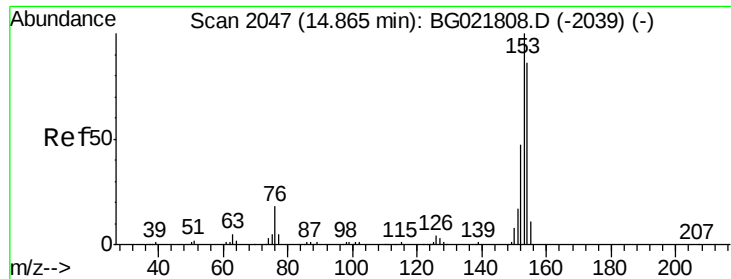


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 18.27 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

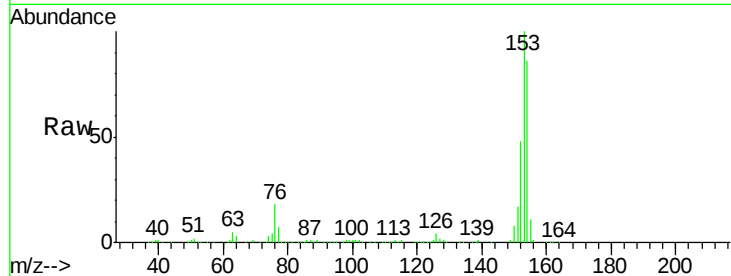
Tgt Ion:153 Resp: 318022

Ion Ratio Lower Upper

153 100

152 47.6 36.5 54.7

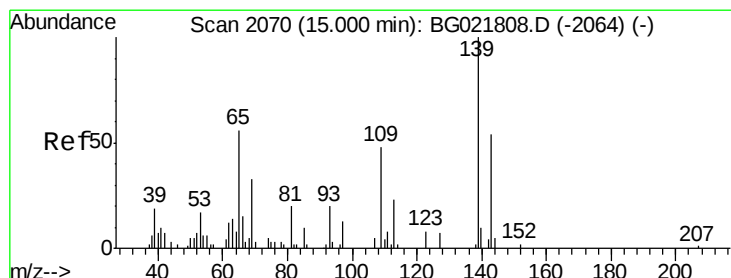
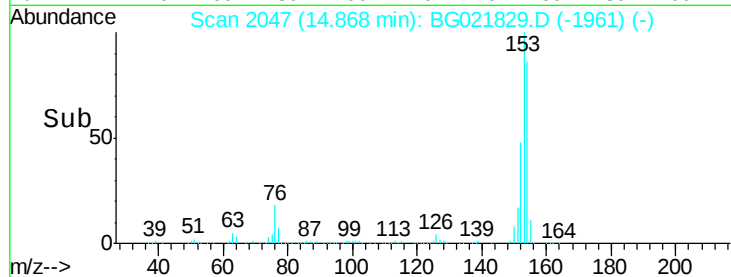
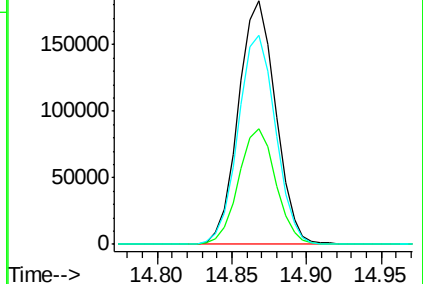
154 85.7 67.3 100.9



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

4-Nitrophenol

Concen: 16.51 ng/ul

RT: 15.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

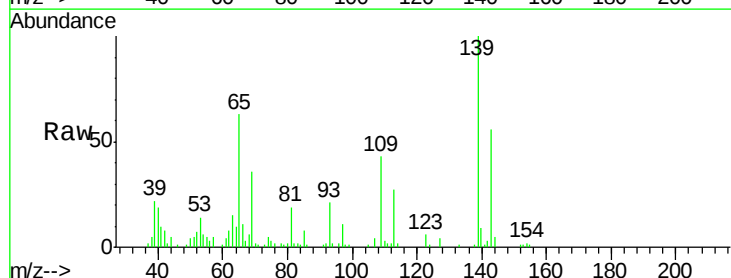
Tgt Ion:109 Resp: 22210

Ion Ratio Lower Upper

109 100

139 231.4 75.9 113.9#

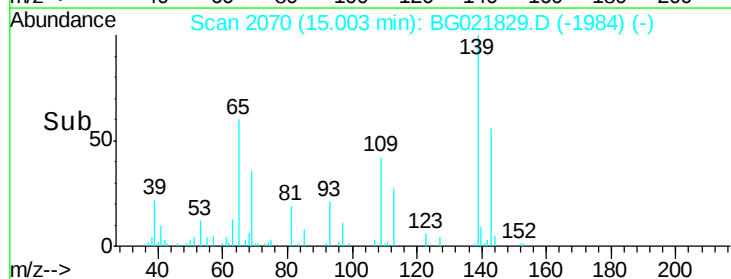
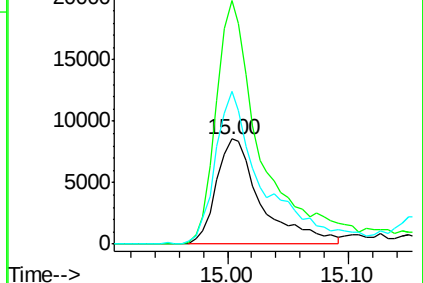
65 145.7 99.8 149.8

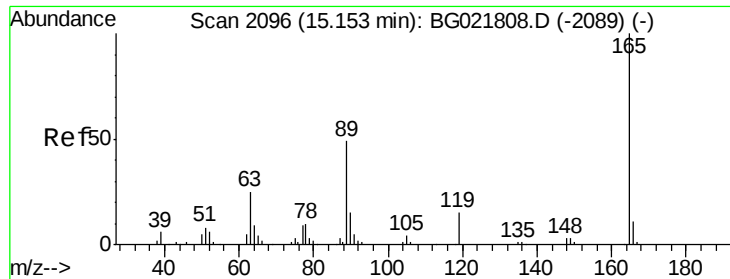


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

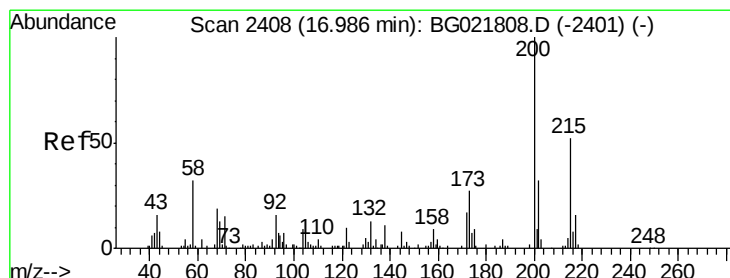
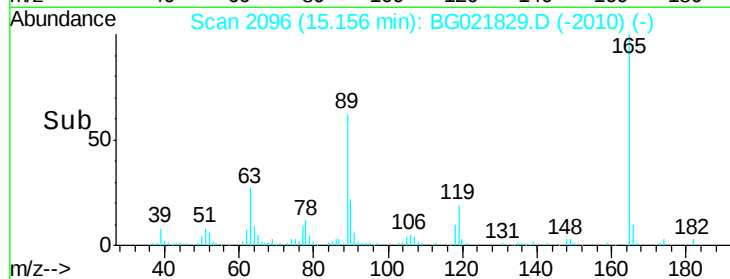
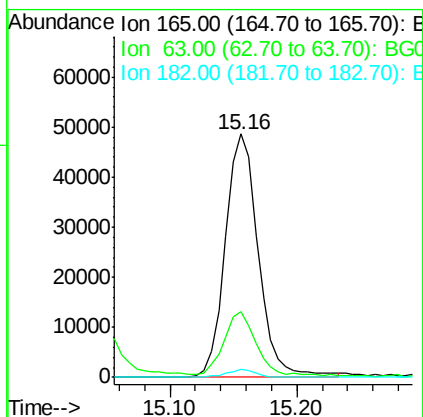
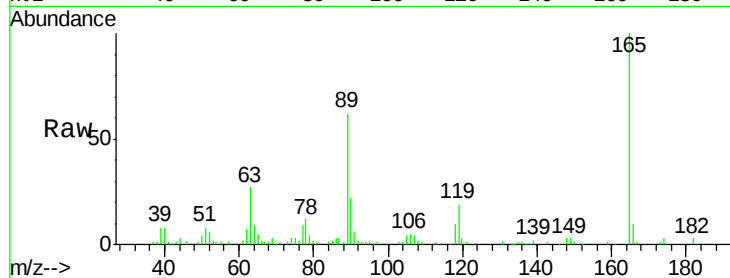




#55
 2,4-Dinitrotoluene
 Concen: 18.31 ng/ul
 RT: 15.16 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

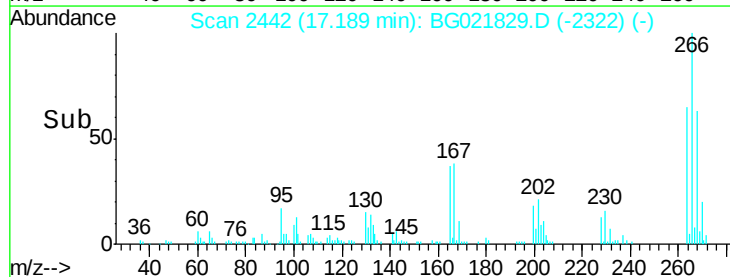
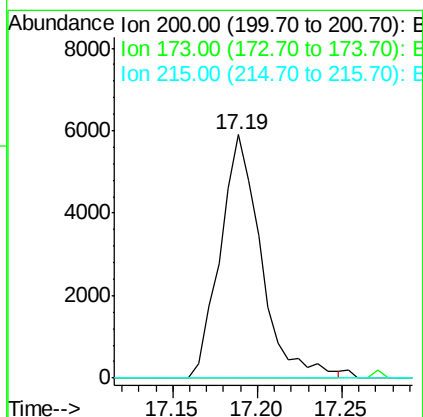
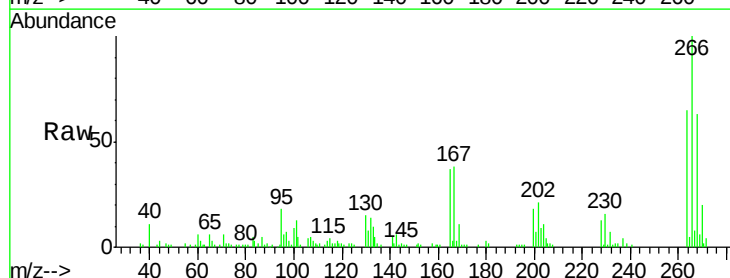
Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MS

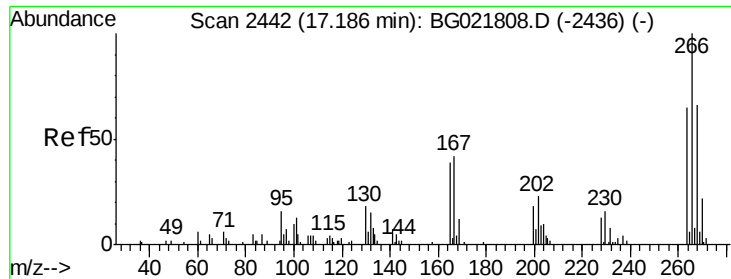
Tgt Ion:165 Resp: 87758
 Ion Ratio Lower Upper
 165 100
 63 27.1 48.1 72.1#
 182 3.5 2.2 3.2#



#68
 Atrazine
 Concen: 2.41 ng/ul
 RT: 17.19 min Scan# 2442
 Delta R.T. 0.20 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

Tgt Ion:200 Resp: 9914
 Ion Ratio Lower Upper
 200 100
 173 0.0 19.2 28.8#
 215 0.0 40.2 60.2#





#69

Pentachlorophenol

Concen: 24.91 ng/ul

RT: 17.19 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

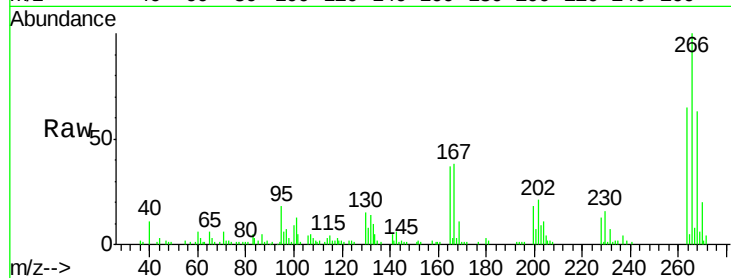
Tgt Ion:266 Resp: 56373

Ion Ratio Lower Upper

266 100

264 69.7 56.7 85.1

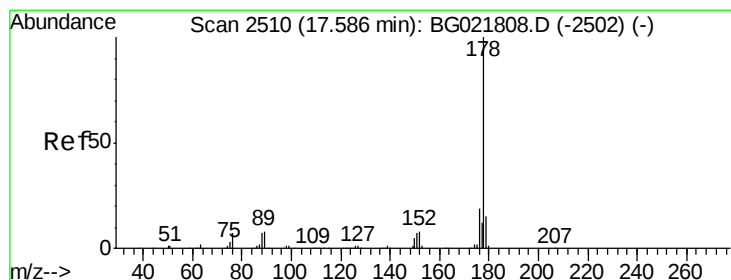
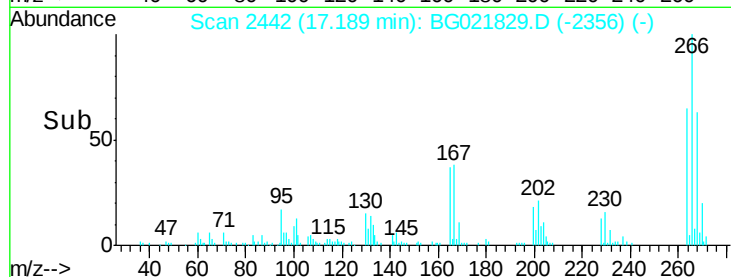
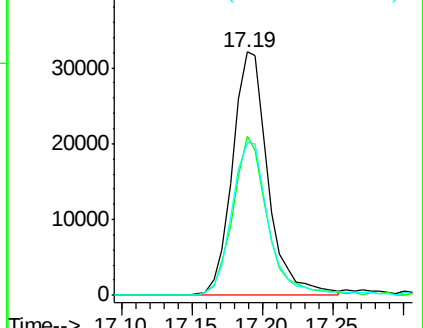
268 68.9 50.6 76.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70

Phenanthrene

Concen: 2.35 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

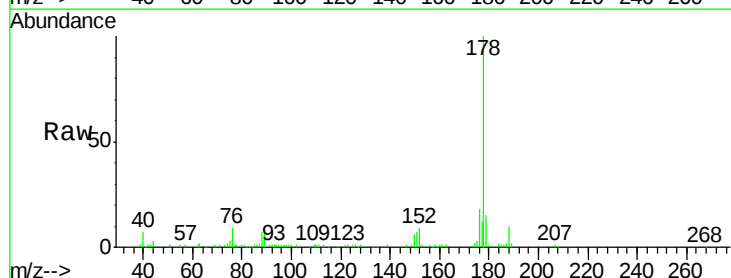
Tgt Ion:178 Resp: 62969

Ion Ratio Lower Upper

178 100

179 14.6 11.8 17.8

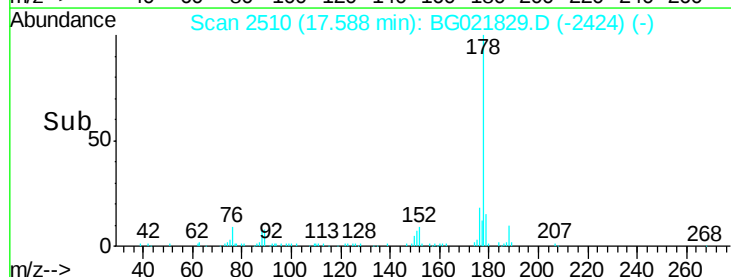
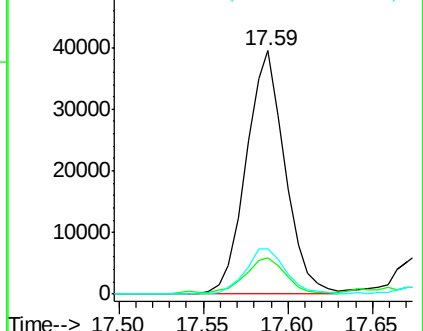
176 18.4 14.8 22.2

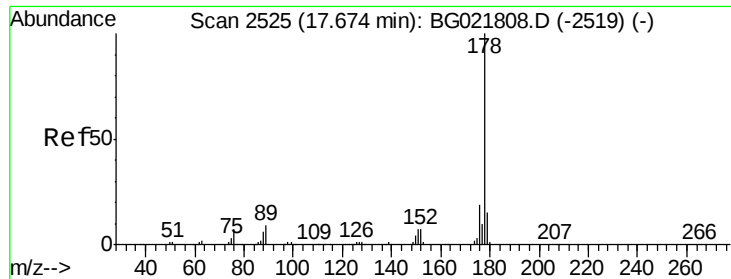


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.31 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.09 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

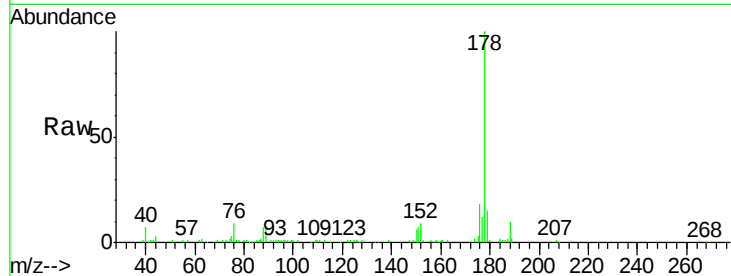
Tgt Ion:178 Resp: 62969

Ion Ratio Lower Upper

178 100

179 14.6 12.9 19.3

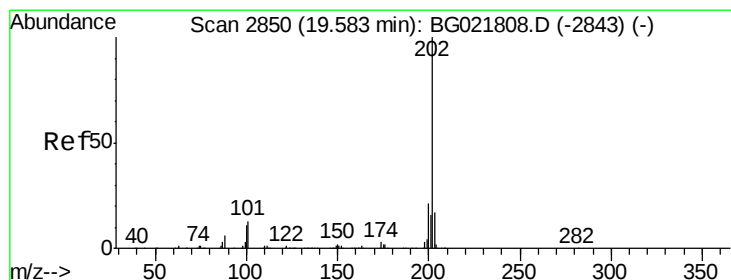
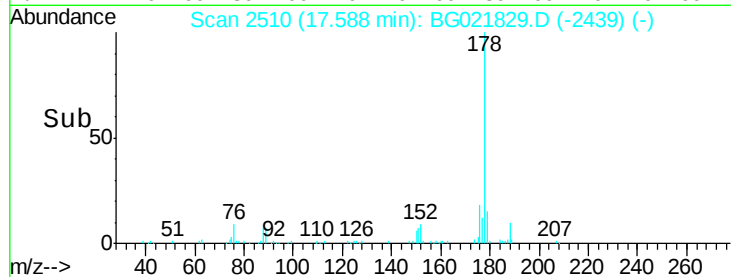
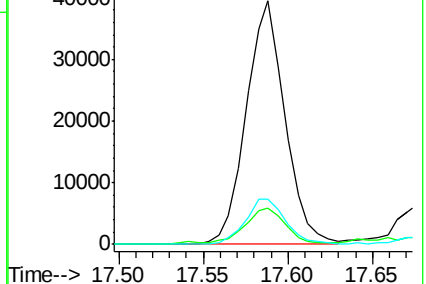
176 18.4 15.6 23.4



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



#75

Fluoranthene

Concen: 3.66 ng/ul

RT: 19.59 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

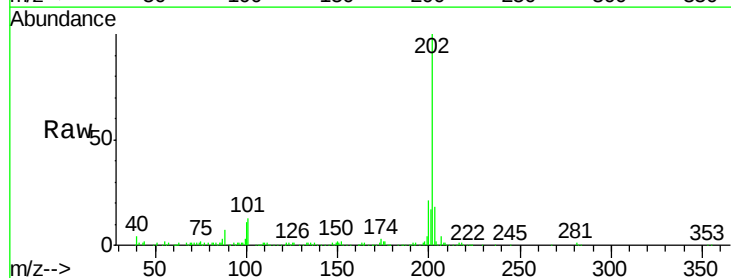
Tgt Ion:202 Resp: 111703

Ion Ratio Lower Upper

202 100

101 13.5 8.9 13.3#

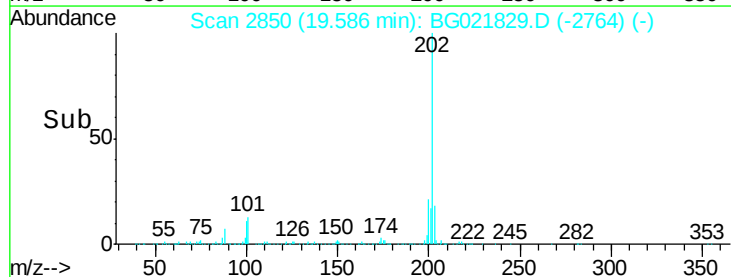
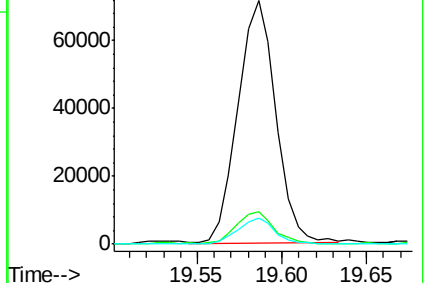
100 10.9 7.0 10.4#

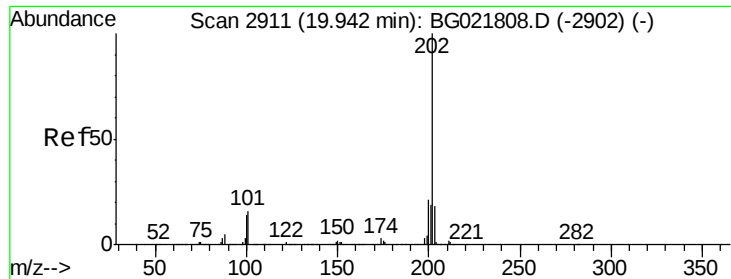


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

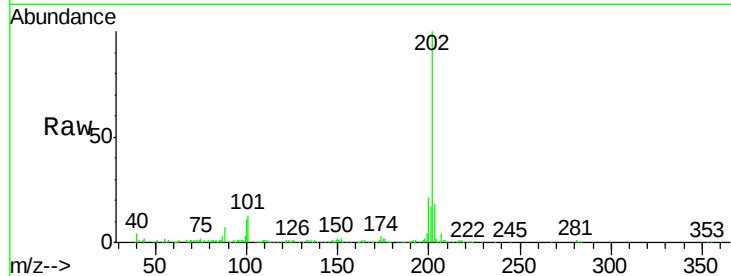




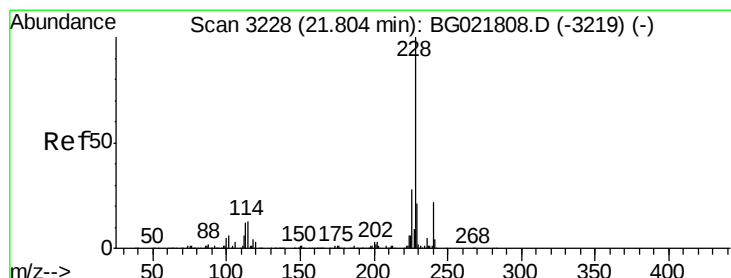
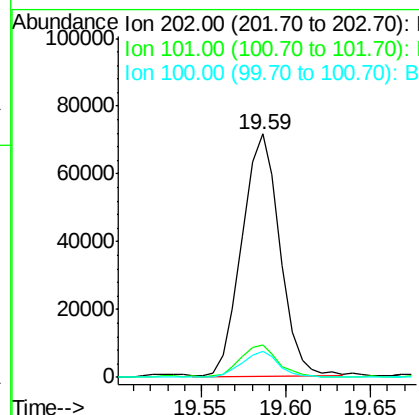
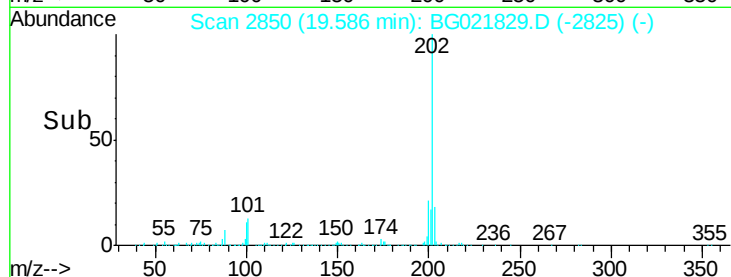
#78
 Pyrene
 Concen: 3.95 ng/ul
 RT: 19.59 min Scan# 2850
 Delta R.T. -0.36 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.8	14.8
100	10.9	9.3	13.9

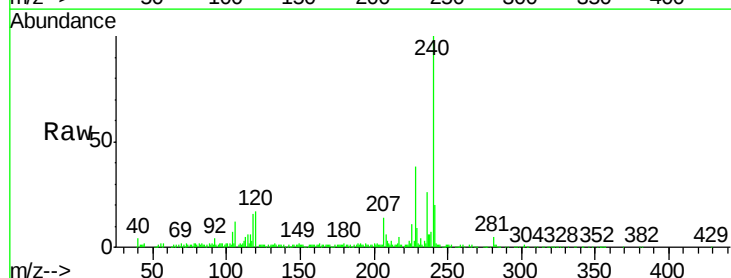


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

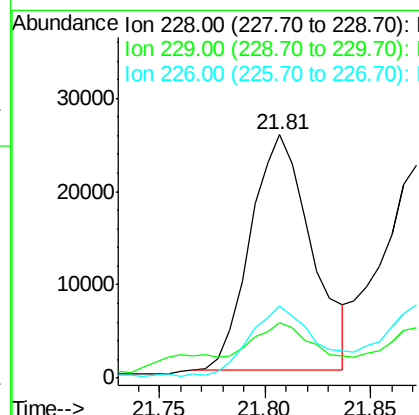
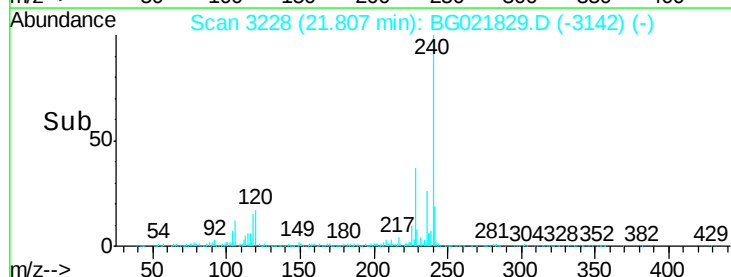


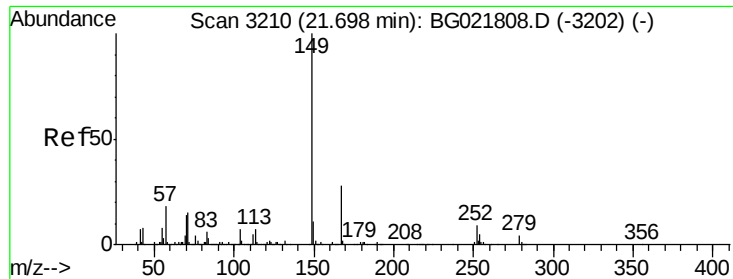
#81
 Benzo(a)anthracene
 Concen: 1.86 ng/ul
 RT: 21.81 min Scan# 3228
 Delta R.T. 0.00 min
 Lab File: BG021829.D
 Acq: 10 May 2016 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	16.6	25.0
226	29.6	21.0	31.4



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

Bis(2-ethylhexyl)phthalate

Concen: 1.92 ng/ul

RT: 21.70 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

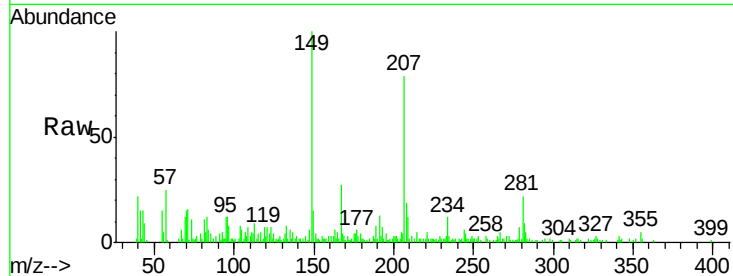
Tgt Ion:149 Resp: 19614

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

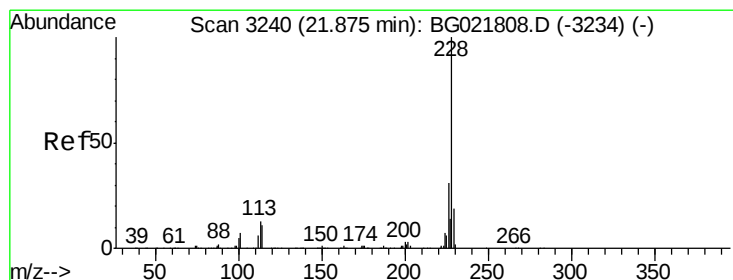
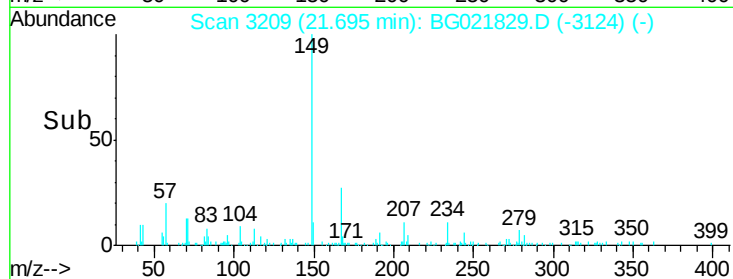
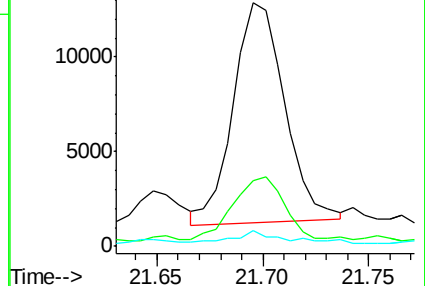
279 6.5 3.7 5.5#



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



#83

Chrysene

Concen: 1.91 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

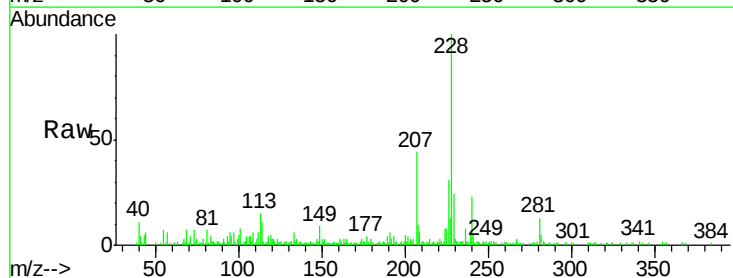
Tgt Ion:228 Resp: 51456

Ion Ratio Lower Upper

228 100

226 31.4 23.4 35.2

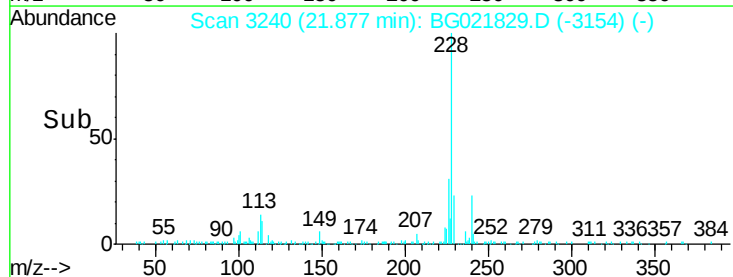
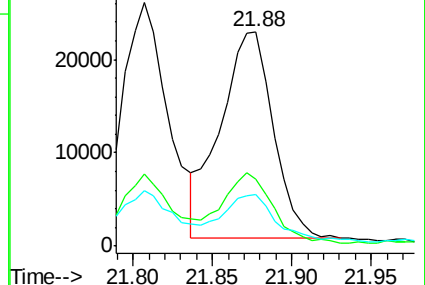
229 23.8 16.2 24.2

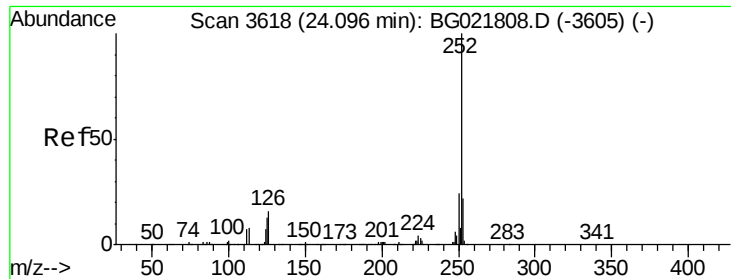


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

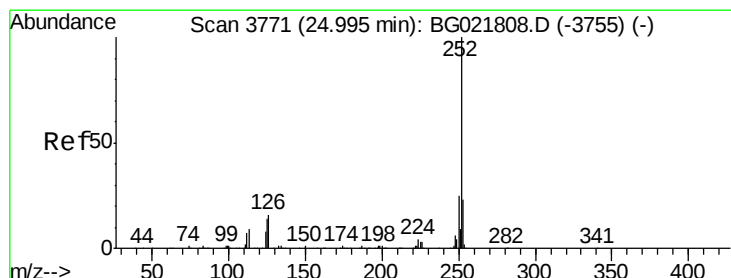
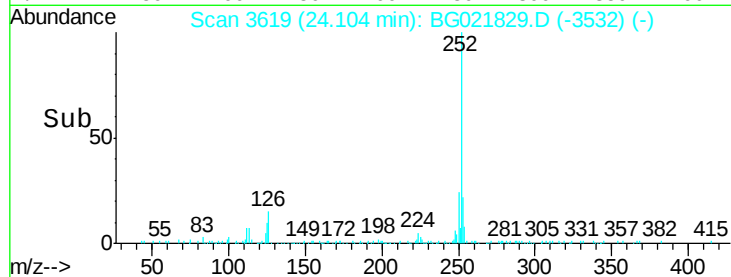
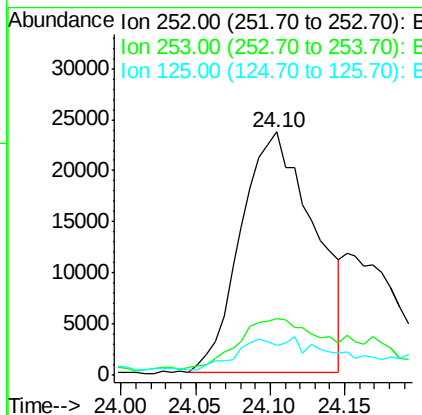
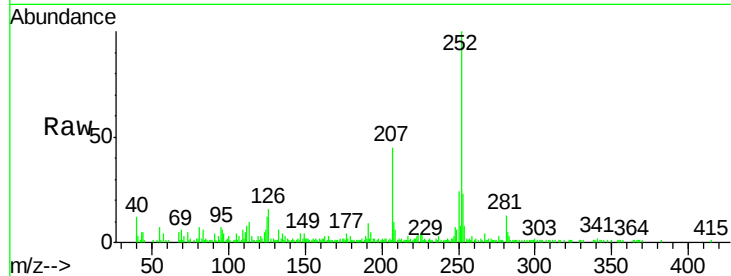




#86
Benzo(b)fluoranthene
Concen: 2.91 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG021829.D
Acq: 10 May 2016 23:22

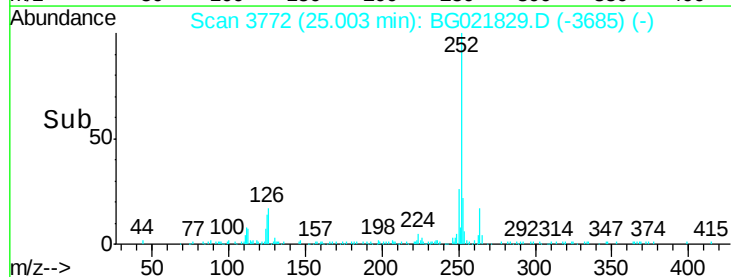
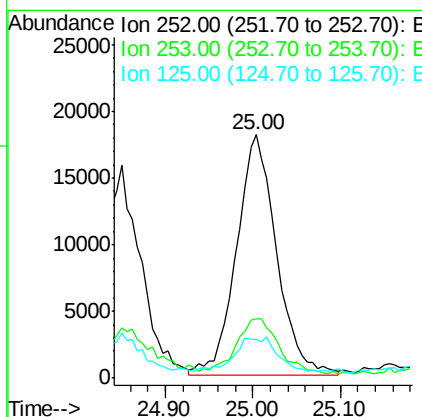
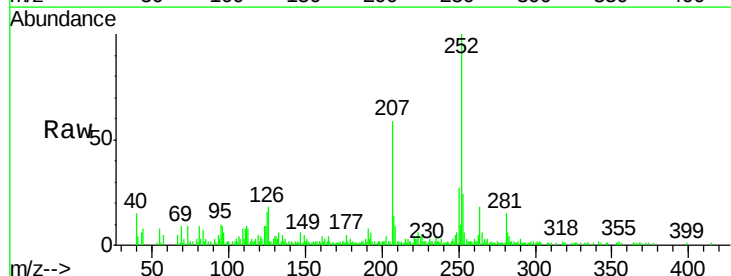
Instrument :
BNA_G
ClientSampleId :
D9WL1MS

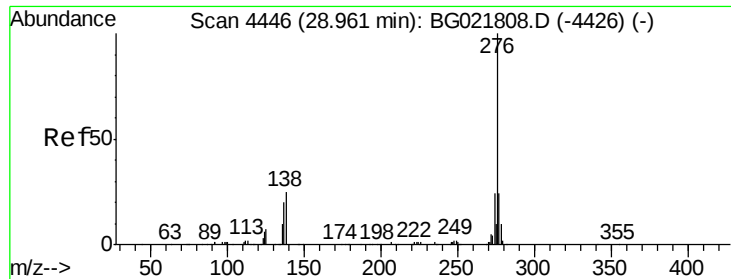
Tgt Ion: 252 Resp: 79845
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 12.2 7.6 11.4#



#89
Benzo(a)pyrene
Concen: 2.06 ng/ul
RT: 25.00 min Scan# 3772
Delta R.T. 0.01 min
Lab File: BG021829.D
Acq: 10 May 2016 23:22

Tgt Ion: 252 Resp: 56142
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 16.1 8.2 12.2#





#90

Indeno(1,2,3-cd)pyrene

Concen: 1.25 ng/ul

RT: 28.98 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Instrument :

BNA_G

ClientSampleId :

D9WL1MS

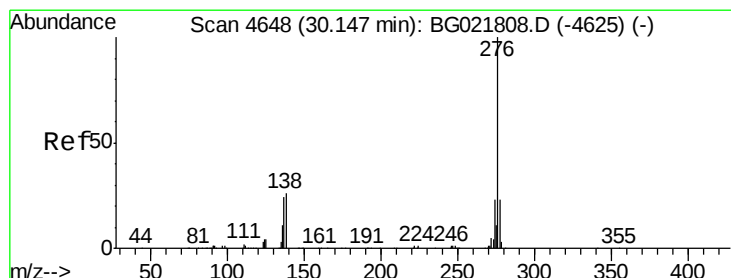
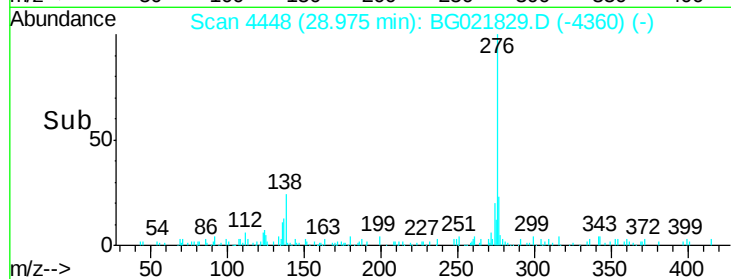
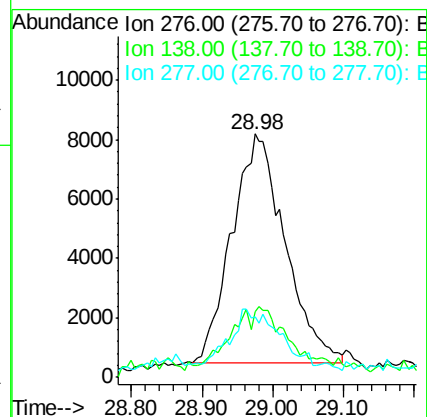
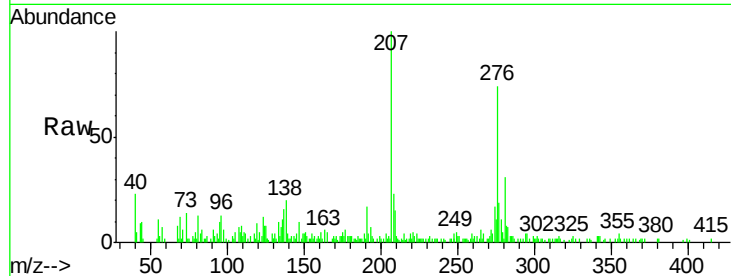
Tgt Ion:276 Resp: 40285

Ion Ratio Lower Upper

276 100

138 26.9 15.8 23.6#

277 25.1 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 1.49 ng/ul

RT: 30.17 min Scan# 4652

Delta R.T. 0.03 min

Lab File: BG021829.D

Acq: 10 May 2016 23:22

Tgt Ion:276 Resp: 39770

Ion Ratio Lower Upper

276 100

138 27.2 13.9 20.9#

277 24.7 19.8 29.6

