

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021873.D
 Acq On : 12 May 2016 17:54
 Operator : UM/SJ
 Sample : H2936-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Quant Time: May 13 05:01:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	326664	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	212118	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	450723	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	453047	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	464624	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5350	4.52	ng/uL	0.00
5) Phenol-d5	7.32	99	129631	30.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	60842	28.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	119990	36.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	125181	35.12	ng/ul	-0.01
19) Nitrobenzene-d5	9.34	128	61170	28.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	76742	56.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	133229	34.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	148208	35.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	426162	28.60	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	556902	26.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	63847	25.00	ng/ul	0.00
58) Fluorene-d10	15.78	176	397298	25.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	26147	20.94	ng/ul	0.00
71) Anthracene-d10	17.63	188	528990	24.11	ng/ul	0.00
77) Pyrene-d10	19.55	212	7297	0.34	ng/ul	-0.36
88) Benzo(a)pyrene-d12	24.94	264	530581	24.03	ng/ul	0.00

Target Compounds

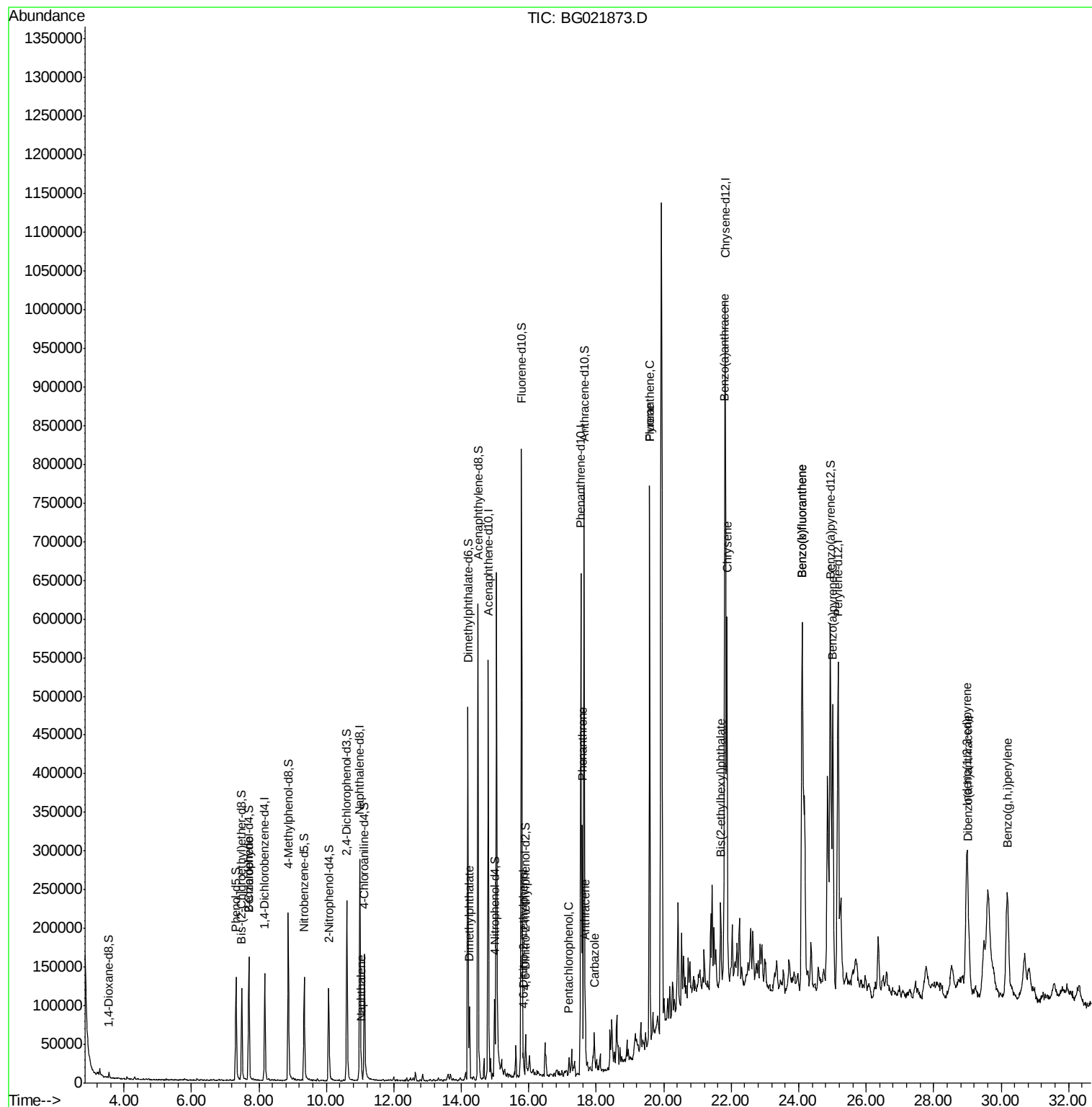
						Qvalue
4) Benzaldehyde	7.70	77	1909	4.14	ng/ul	96
28) Naphthalene	11.04	128	17586	1.07	ng/ul	97
45) Dimethylphthalate	14.24	163	76941	5.07	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.83	198	2026	1.49	ng/ul#	50
69) Pentachlorophenol	17.19	266	3501	1.69	ng/ul	95
70) Phenanthrene	17.58	178	236125	9.58	ng/ul	97
72) Anthracene	17.67	178	52222	2.09	ng/ul	96
73) Carbazole	17.94	167	41433	1.91	ng/ul#	94
75) Fluoranthene	19.58	202	509107	18.18	ng/ul#	94
78) Pyrene	19.58	202	509862	19.45	ng/ul	98
81) Benzo(a)anthracene	21.80	228	330458	13.11	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	50213	5.31	ng/ul	99
83) Chrysene	21.87	228	383808	15.39	ng/ul	97
86) Benzo(b)fluoranthene	24.10	252	659331	24.79	ng/ul#	95
87) Benzo(k)fluoranthene	24.10	252	659331	23.16	ng/ul#	95
89) Benzo(a)pyrene	25.01	252	433144	16.36	ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	28.99	276	338363	10.78	ng/ul#	96
91) Dibenzo(a,h)anthracene	29.02	278	41966	1.61	ng/ul#	73
92) Benzo(g,h,i)perylene	30.18	276	155881	6.02	ng/ul#	92

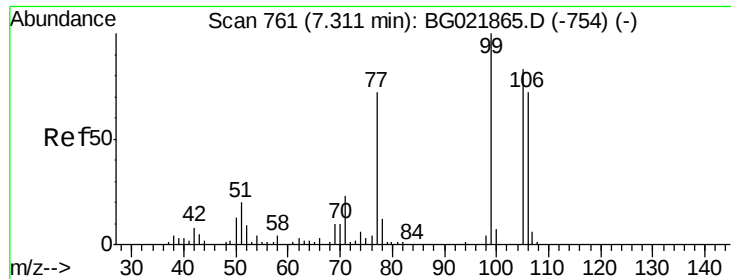
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 4.14 ng/ul

RT: 7.70 min Scan# 827

Delta R.T. 0.39 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Instrument :

BNA_G

ClientSampleId :

D9WK0

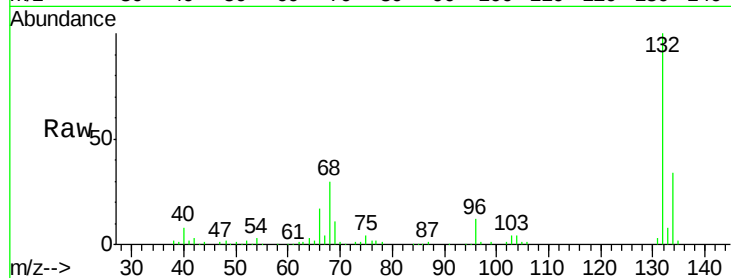
Tgt Ion: 77 Resp: 1909

Ion Ratio Lower Upper

77 100

105 86.5 68.5 102.7

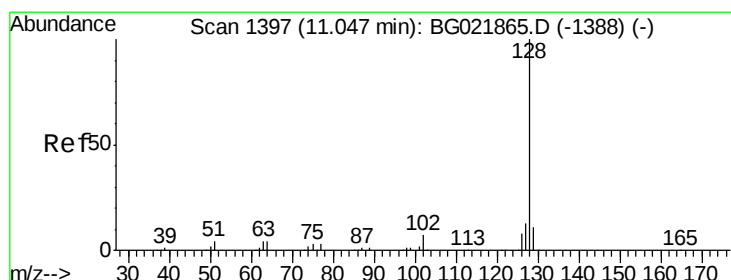
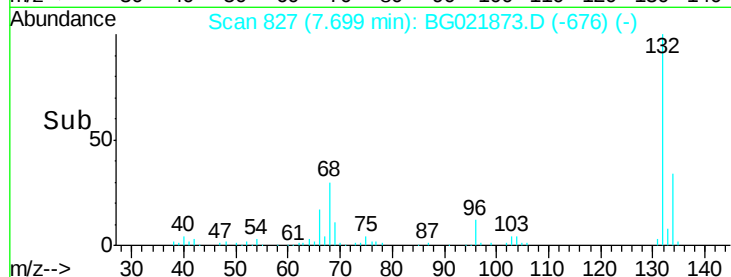
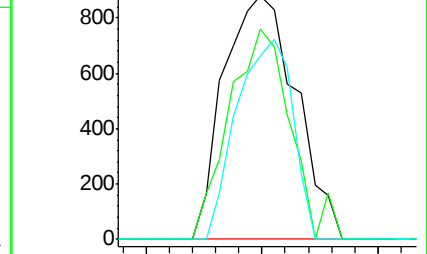
106 75.4 65.0 97.4



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



#28

Naphthalene

Concen: 1.07 ng/ul

RT: 11.04 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

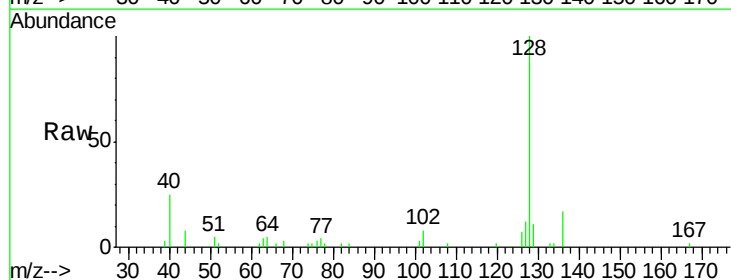
Tgt Ion: 128 Resp: 17586

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

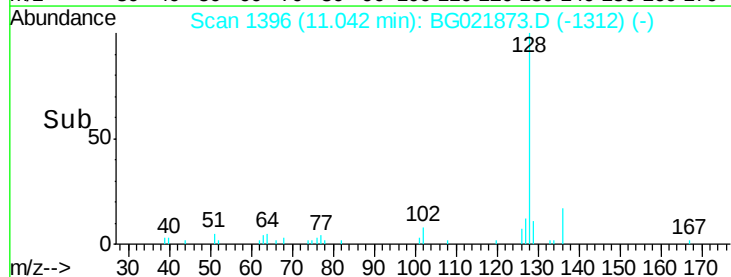
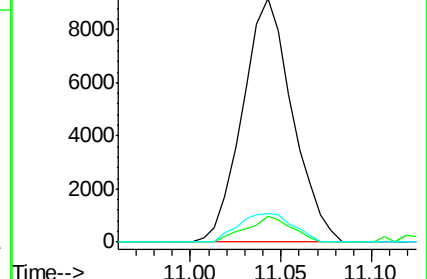
127 11.7 10.8 16.2

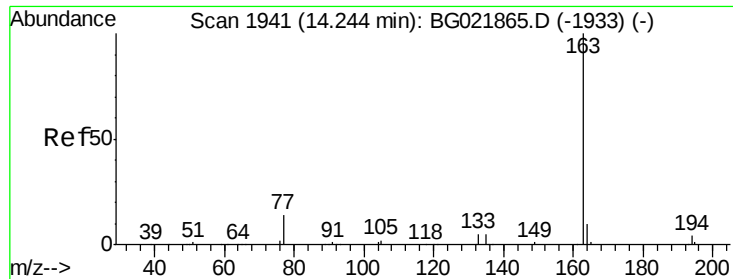


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

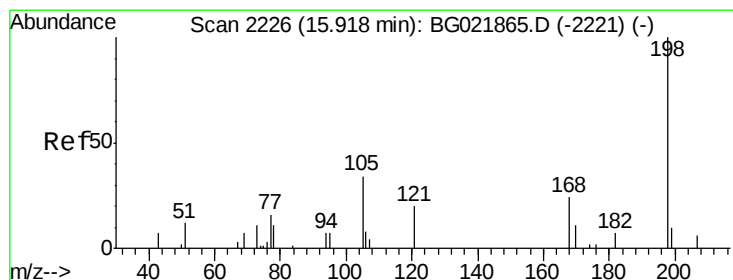
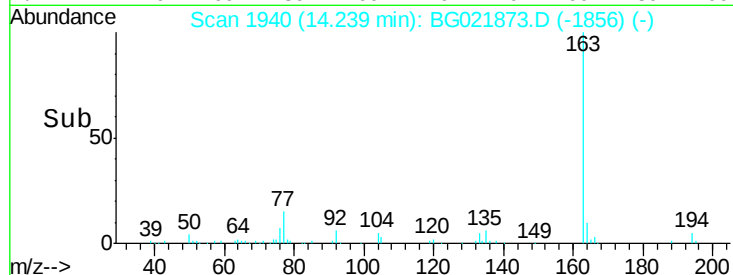
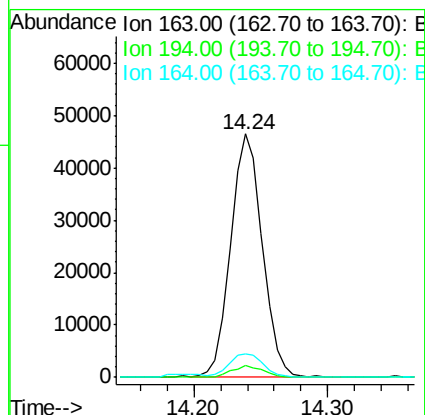
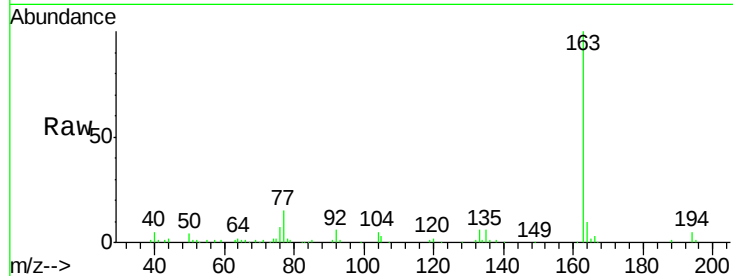




#45
 Dimethylphthalate
 Concen: 5.07 ng/ul
 RT: 14.24 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

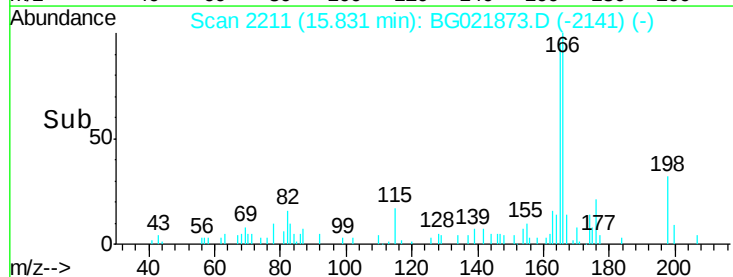
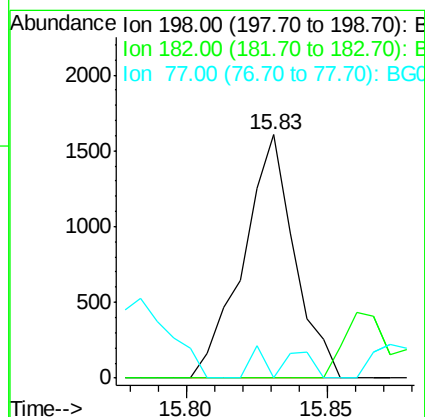
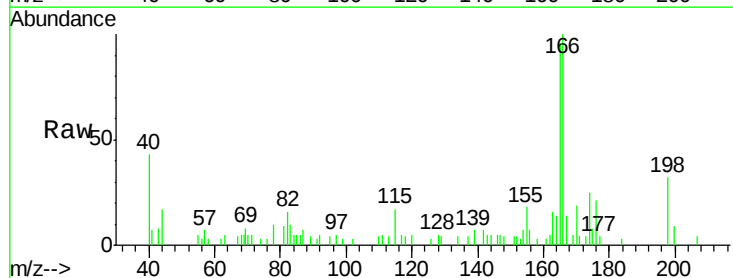
Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

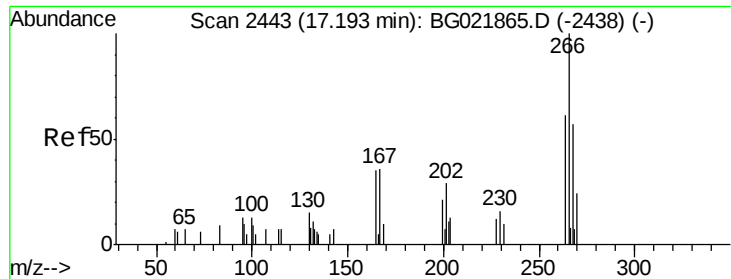
Tgt Ion:163 Resp: 76941
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.9 5.9
 164 9.6 8.7 13.1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.49 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. -0.09 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Tgt Ion:198 Resp: 2026
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.8 5.8#
 77 0.0 24.2 36.4#

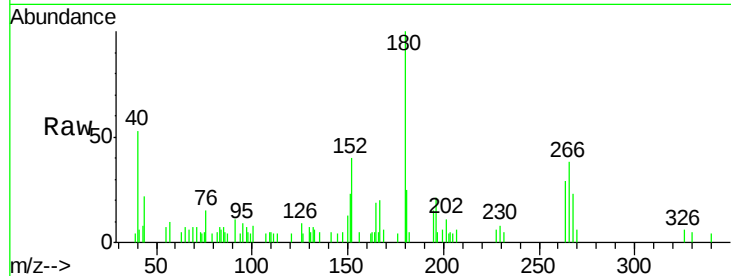




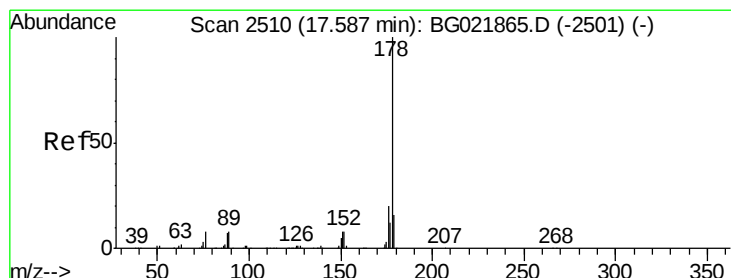
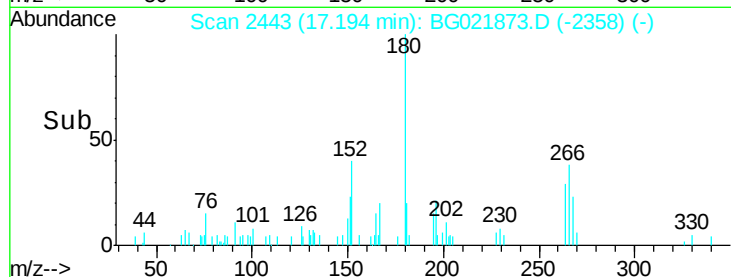
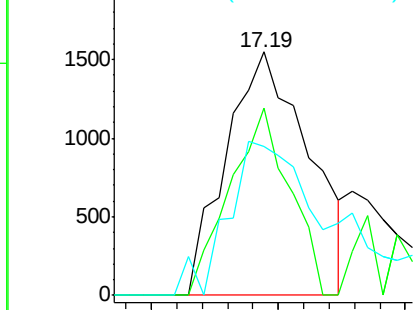
#69
 Pentachlorophenol
 Concen: 1.69 ng/ul
 RT: 17.19 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Tgt Ion: 266 Resp: 3501
 Ion Ratio Lower Upper
 266 100
 264 77.1 56.7 85.1
 268 61.4 50.6 76.0

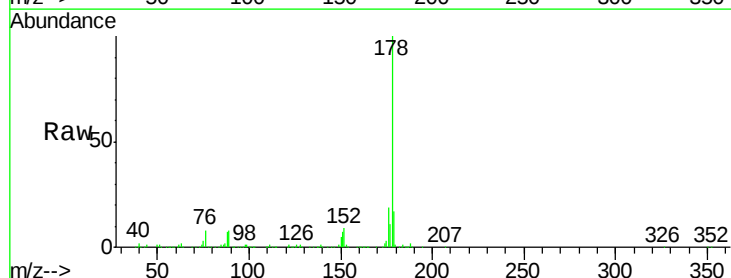


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

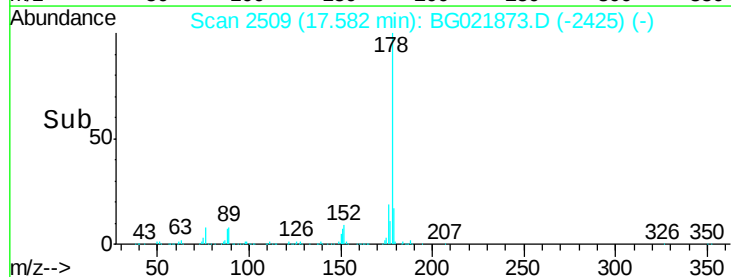
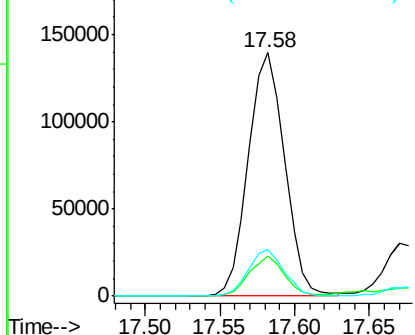


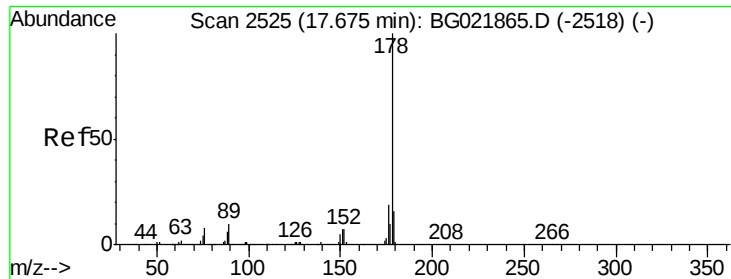
#70
 Phenanthrene
 Concen: 9.58 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Tgt Ion: 178 Resp: 236125
 Ion Ratio Lower Upper
 178 100
 179 16.6 11.8 17.8
 176 19.2 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

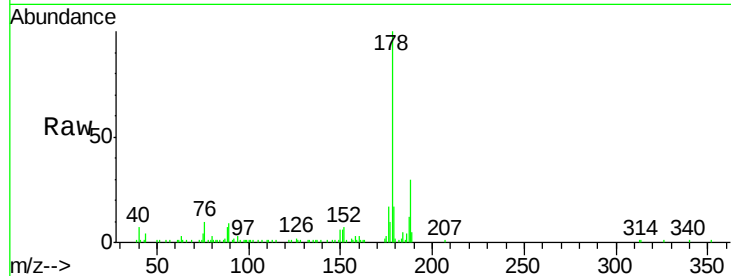




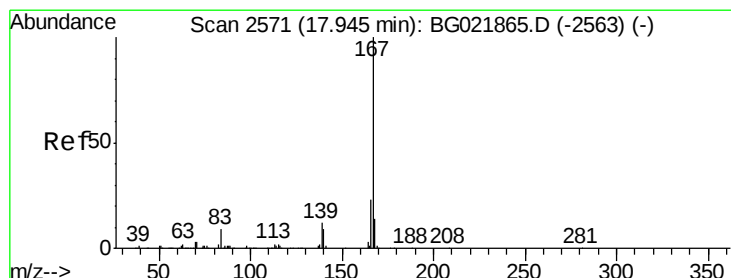
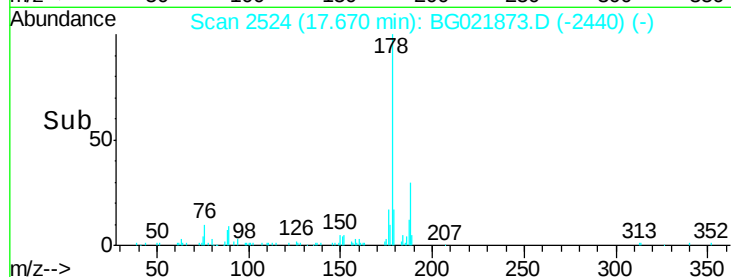
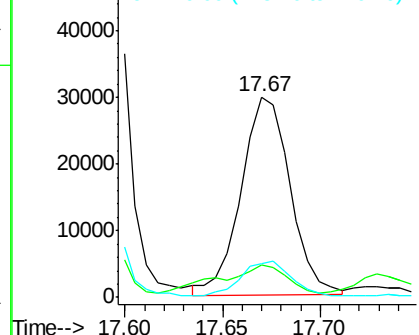
#72
 Anthracene
 Concen: 2.09 ng/ul
 RT: 17.67 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Instrument :
 BNA_G
 ClientSampleId :
 D9WK0

Tgt Ion:178 Resp: 52222
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.9 19.3
 176 16.7 15.6 23.4

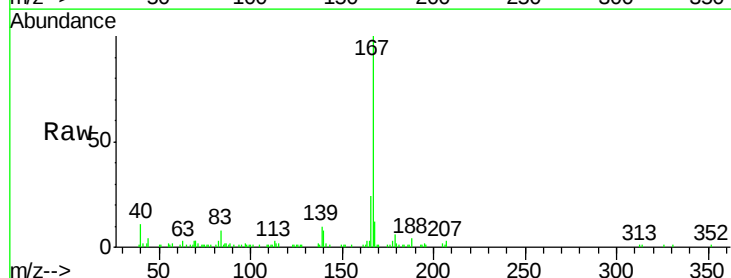


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

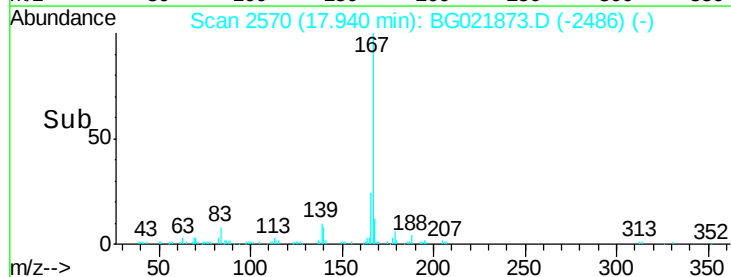
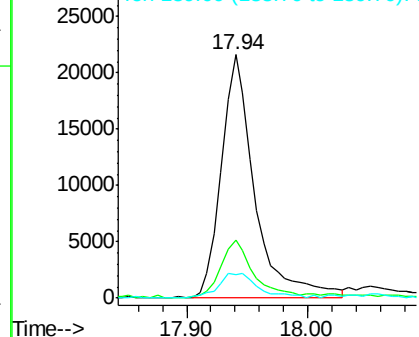


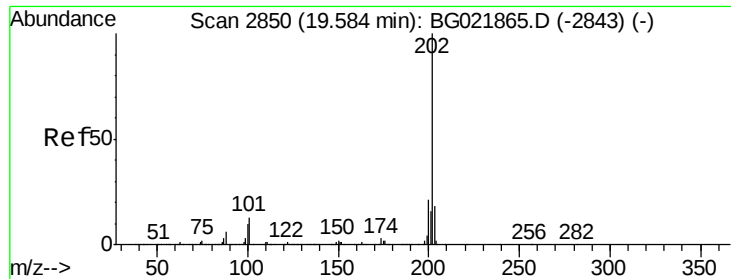
#73
 Carbazole
 Concen: 1.91 ng/ul
 RT: 17.94 min Scan# 2570
 Delta R.T. -0.00 min
 Lab File: BG021873.D
 Acq: 12 May 2016 17:54

Tgt Ion:167 Resp: 41433
 Ion Ratio Lower Upper
 167 100
 166 23.9 19.0 28.4
 139 9.5 12.2 18.4#



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





#75

Fluoranthene

Concen: 18.18 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

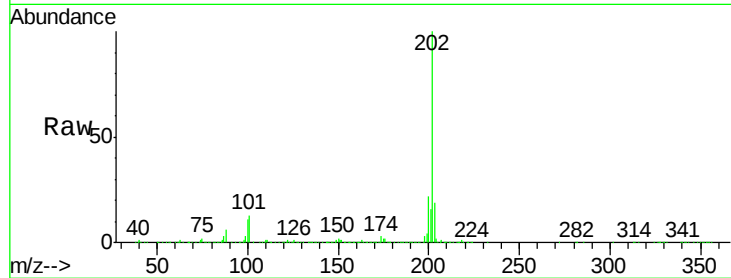
Instrument :

BNA_G

ClientSampleId :

D9WK0

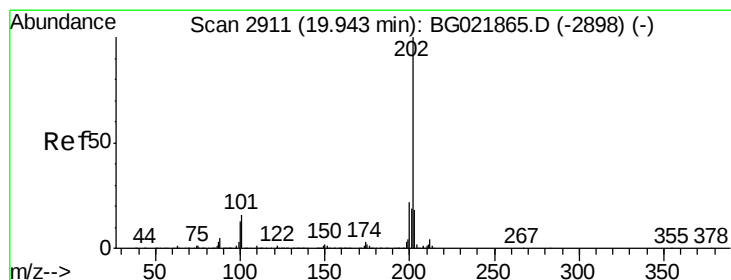
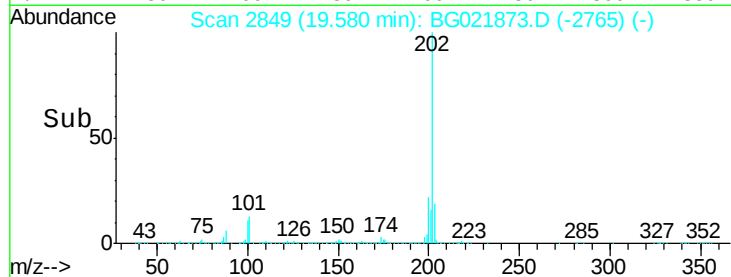
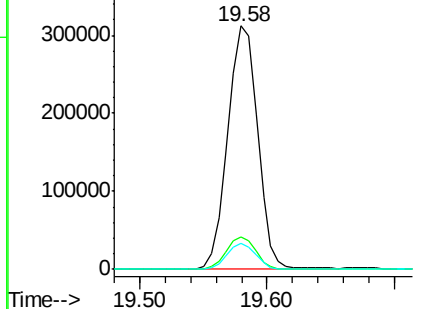
Tgt Ion:	202	Resp:	509107
Ion Ratio	Lower	Upper	
202	100		
101	13.1	8.9	13.3
100	10.9	7.0	10.4#



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): B



#78

Pyrene

Concen: 19.45 ng/ul

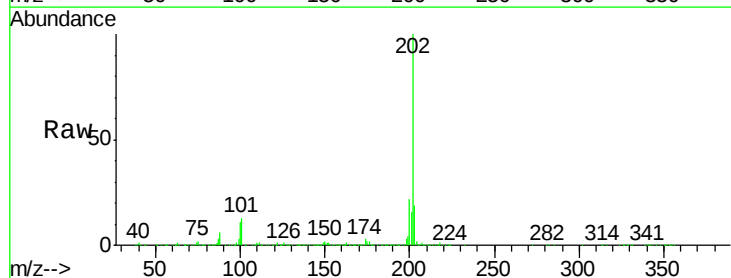
RT: 19.58 min Scan# 2849

Delta R.T. -0.36 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

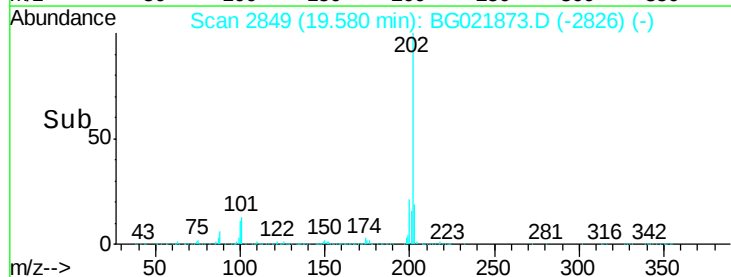
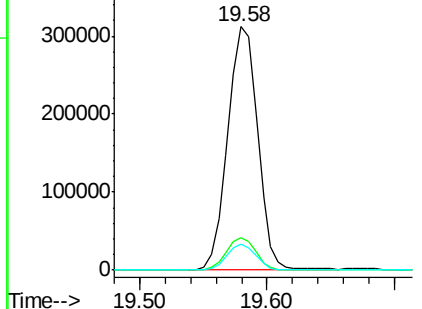
Tgt Ion:	202	Resp:	509862
Ion Ratio	Lower	Upper	
202	100		
101	13.1	9.8	14.8
100	10.9	9.3	13.9

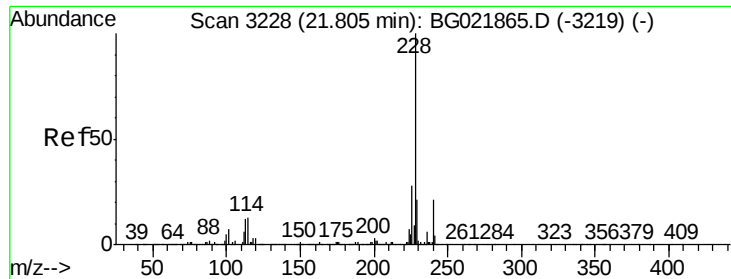


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Benzo(a)anthracene

Concen: 13.11 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. -0.00 min

Lab File: BG021873.D

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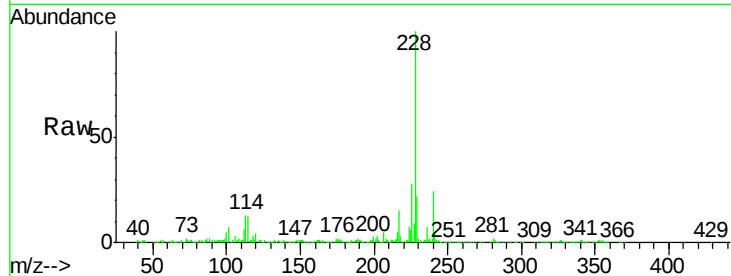
Tgt Ion:228 Resp: 330458

Ion Ratio Lower Upper

228 100

229 21.8 16.6 25.0

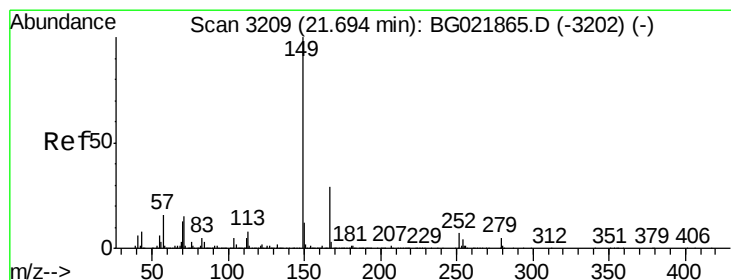
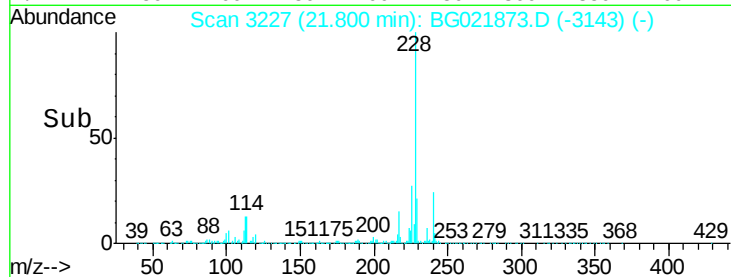
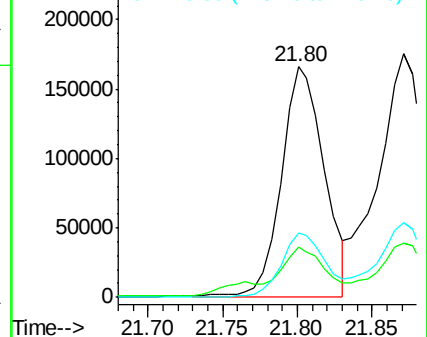
226 27.7 21.0 31.4



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: 5.31 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

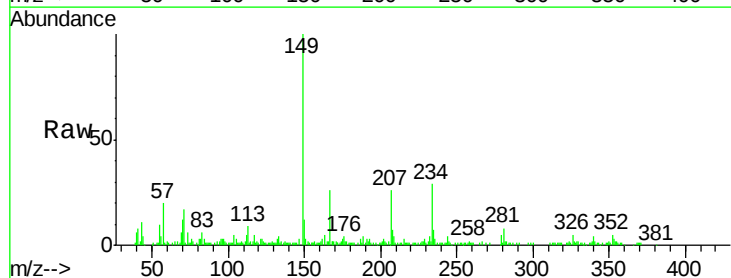
Tgt Ion:149 Resp: 50213

Ion Ratio Lower Upper

149 100

167 26.5 20.5 30.7

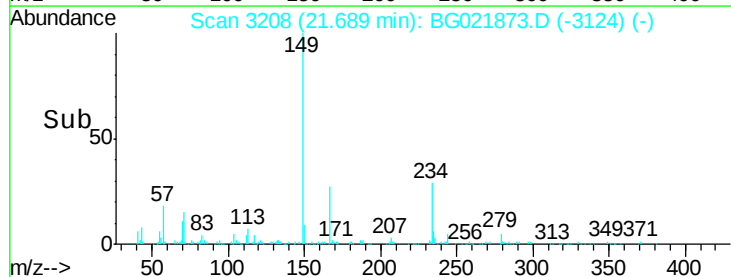
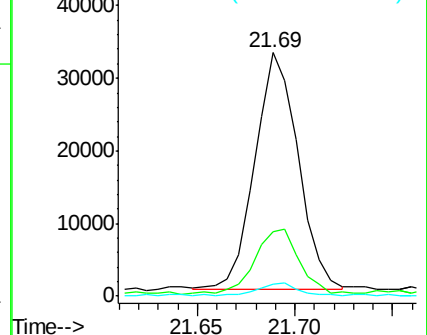
279 4.7 3.7 5.5

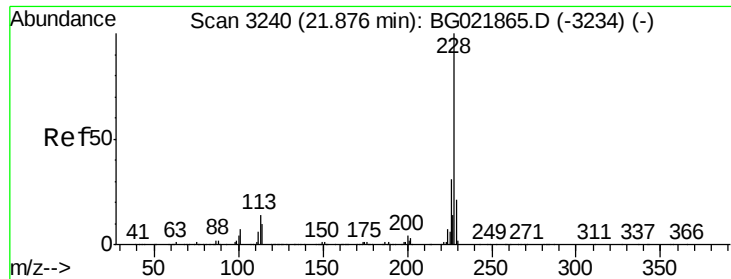


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#83

Chrysene

Concen: 15.39 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Instrument :

BNA_G

ClientSampleId :

D9WK0

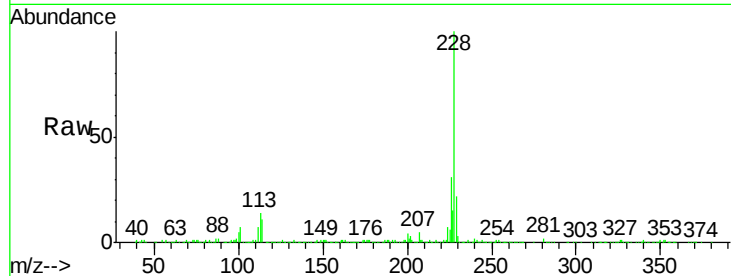
Tgt Ion:228 Resp: 383808

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

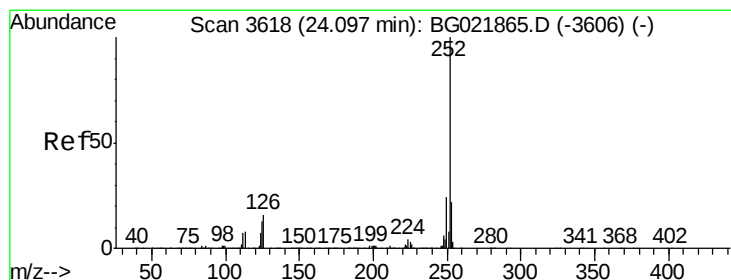
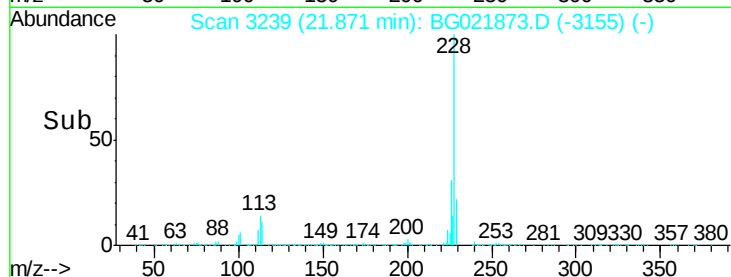
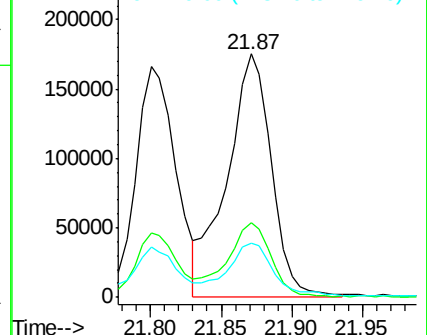
229 22.2 16.2 24.2



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: 24.79 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. 0.01 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

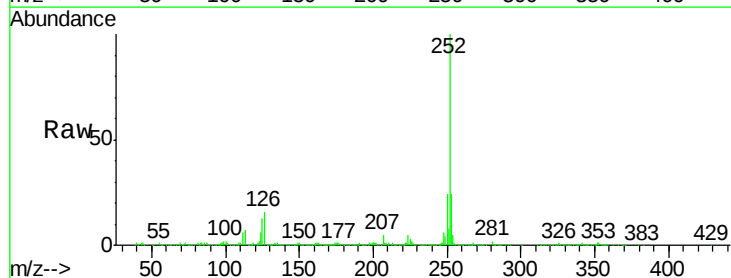
Tgt Ion:252 Resp: 659331

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

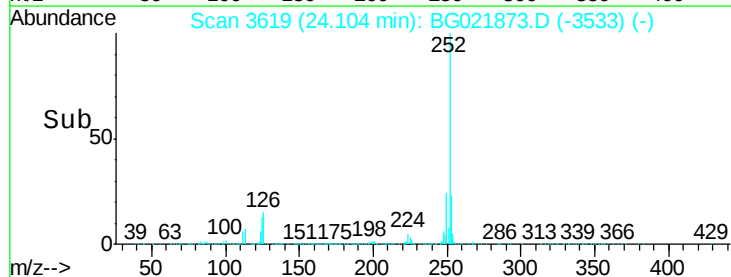
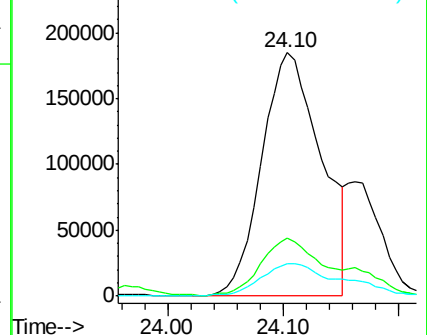
125 13.4 7.6 11.4#

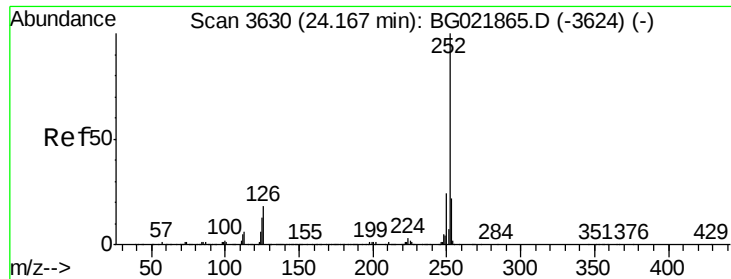


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

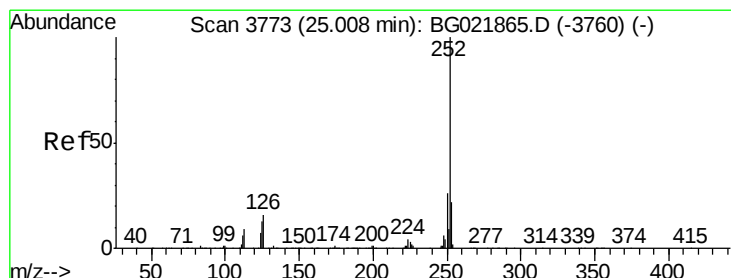
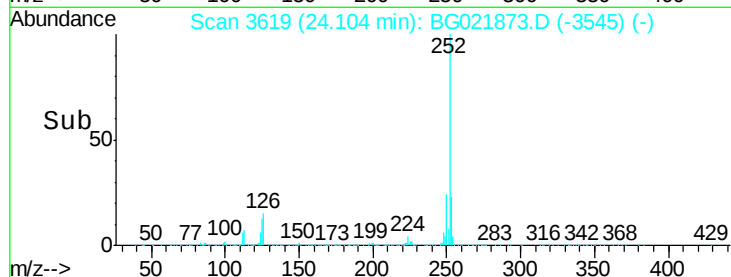
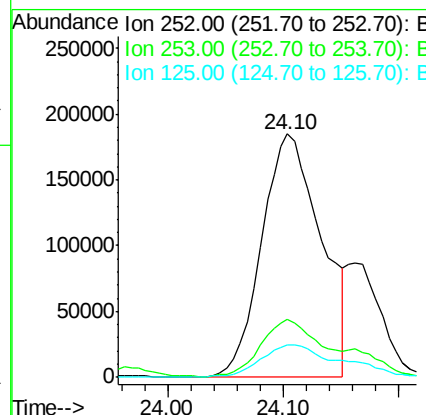
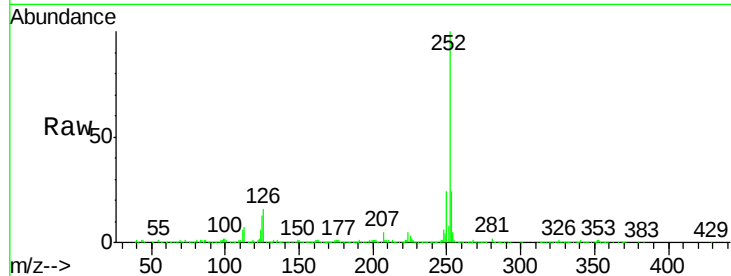




#87
Benzo(k)fluoranthene
Concen: 23.16 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. -0.06 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

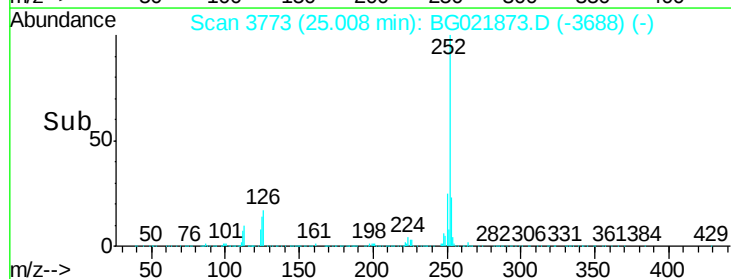
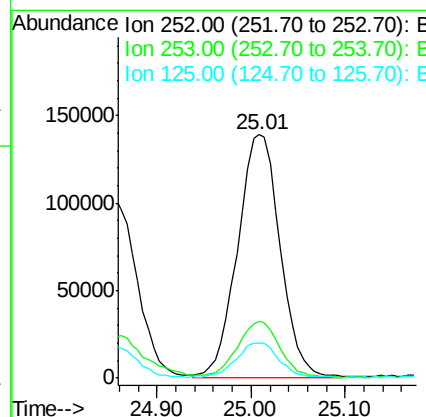
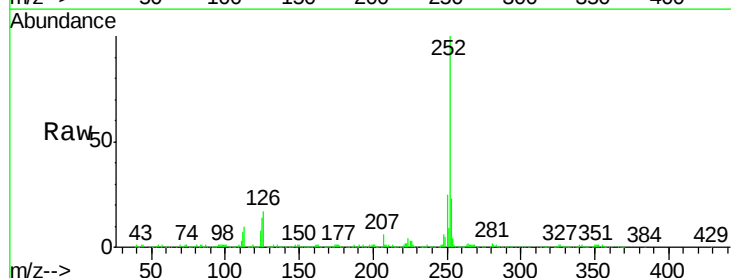
Instrument :
BNA_G
ClientSampleId :
D9WK0

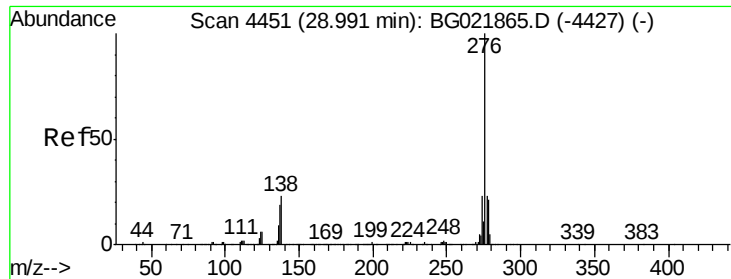
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	13.4	7.7	11.5



#89
Benzo(a)pyrene
Concen: 16.36 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. 0.00 min
Lab File: BG021873.D
Acq: 12 May 2016 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	14.2	8.2	12.2





#90

Indeno(1,2,3-cd)pyrene

Concen: 10.78 ng/ul

RT: 28.99 min Scan# 4450

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Instrument :

BNA_G

ClientSampleId :

D9WK0

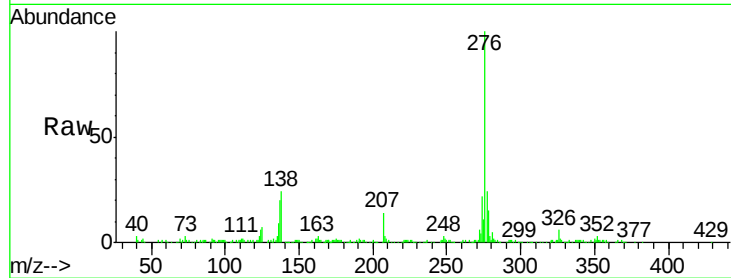
Tgt Ion:276 Resp: 338363

Ion Ratio Lower Upper

276 100

138 23.9 15.8 23.6#

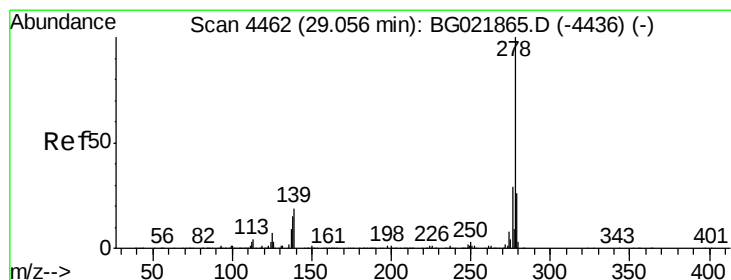
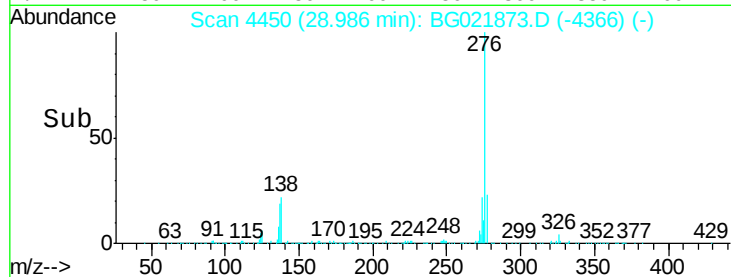
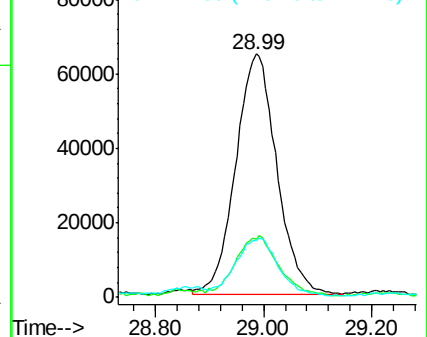
277 23.6 19.0 28.6



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



#91

Dibenzo(a,h)anthracene

Concen: 1.61 ng/ul

RT: 29.02 min Scan# 4456

Delta R.T. -0.03 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

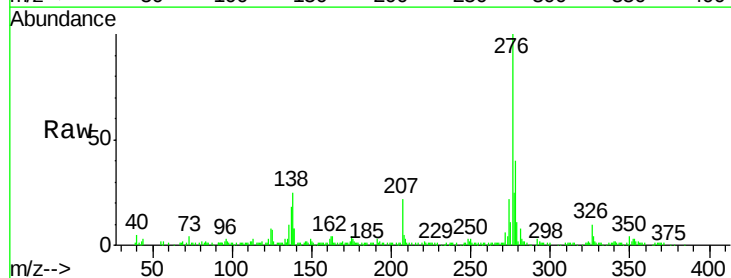
Tgt Ion:278 Resp: 41966

Ion Ratio Lower Upper

278 100

139 41.0 12.1 18.1#

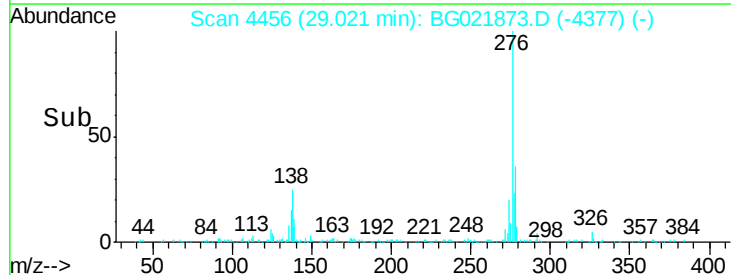
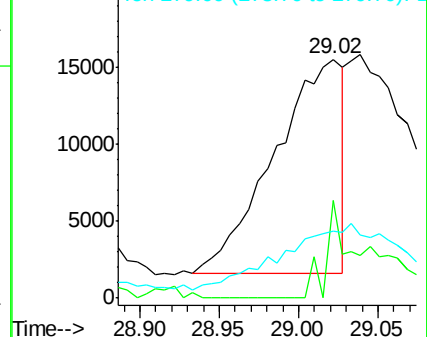
279 27.9 19.8 29.8

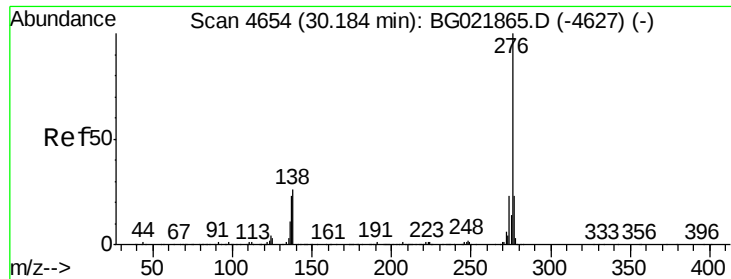


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 6.02 ng/ul

RT: 30.18 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BG021873.D

Acq: 12 May 2016 17:54

Instrument :

BNA_G

ClientSampleId :

D9WK0

Tgt Ion: 276 Resp: 155881

Ion Ratio Lower Upper

276 100

138 25.3 13.9 20.9#

277 25.2 19.8 29.6

