

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021871.D
 Acq On : 12 May 2016 16:34
 Operator : UM/SJ
 Sample : H2936-10DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9DL

Quant Time: May 13 05:00:29 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	58294	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	328450	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	210233	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	448219	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	446880	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	449761	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	929	0.77	ng/uL	0.00
5) Phenol-d5	7.33	99	20464	4.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	8260	3.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	21960	6.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	17770	4.89	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	9083	4.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	10261	7.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	21746	5.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	14053	3.38	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	73987	5.01	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	100742	4.81	ng/ul	0.00
52) 4-Nitrophenol-d4	15.02	143	940	0.37	ng/ul	0.03
58) Fluorene-d10	15.78	176	66678	4.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.64	188	99794	4.57	ng/ul	0.00
77) Pyrene-d10	19.91	212	102583	4.90	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	96060	4.50	ng/ul	0.00

Target Compounds

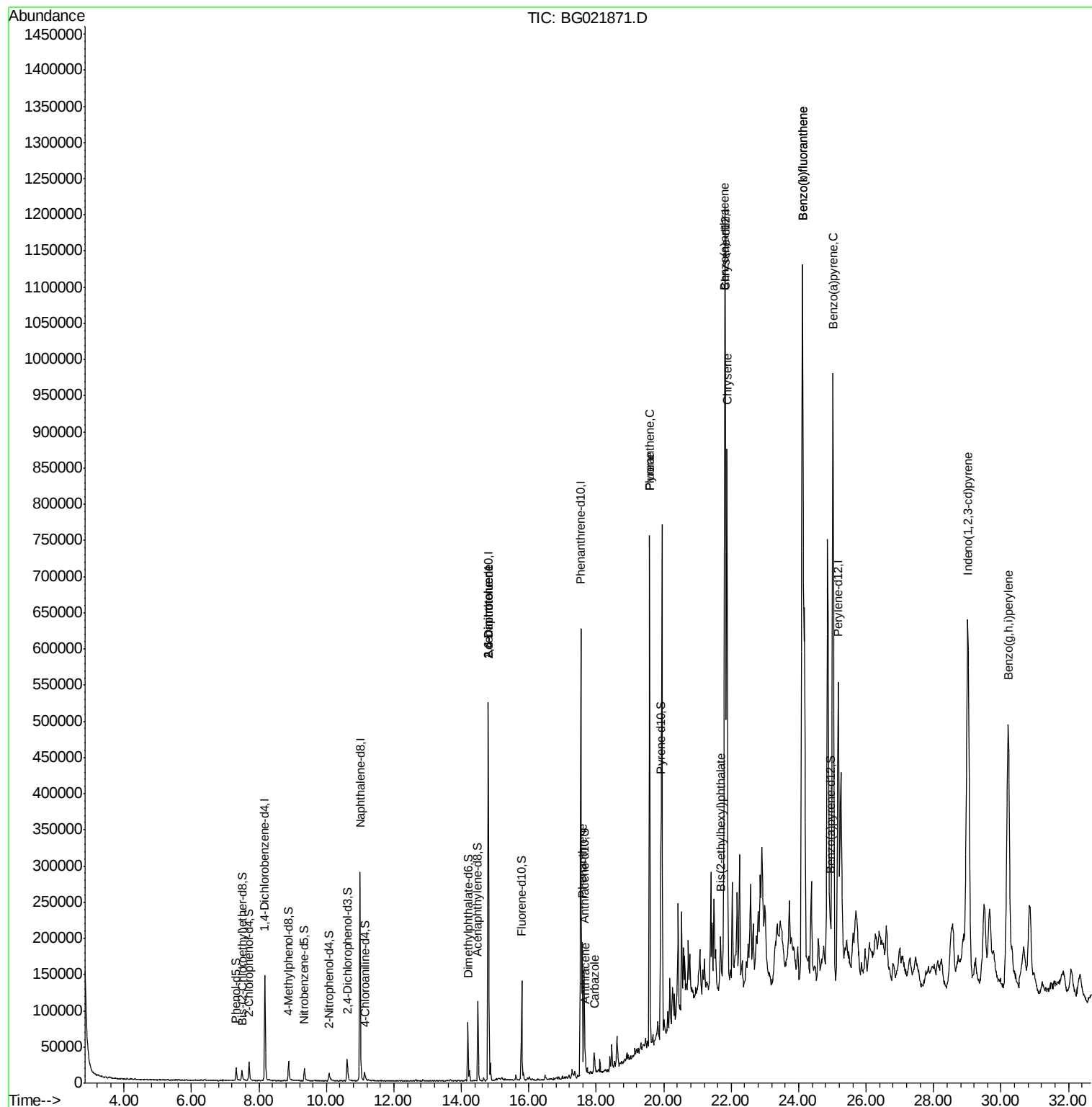
						Qvalue
46) 2,6-Dinitrotoluene	14.79	165	27312	9.20	ng/ul#	19
55) 2,4-Dinitrotoluene	14.79	165	27312	6.65	ng/ul#	24
70) Phenanthrene	17.58	178	131697	5.37	ng/ul	99
72) Anthracene	17.67	178	24961	1.00	ng/ul	97
73) Carbazole	17.94	167	29469	1.37	ng/ul#	93
75) Fluoranthene	19.58	202	489545	17.58	ng/ul#	95
78) Pyrene	19.58	202	489545	18.93	ng/ul	98
81) Benzo(a)anthracene	21.80	228	512160	20.59	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	15438	1.65	ng/ul#	98
83) Chrysene	21.87	228	582951	23.70	ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	1318623	51.22	ng/ul#	95
87) Benzo(k)fluoranthene	24.11	252	1318623	47.84	ng/ul#	94
89) Benzo(a)pyrene	25.02	252	985812	38.47	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	29.01	276	876595	28.86	ng/ul#	93
92) Benzo(g,h,i)perylene	30.21	276	783339	31.25	ng/ul#	92

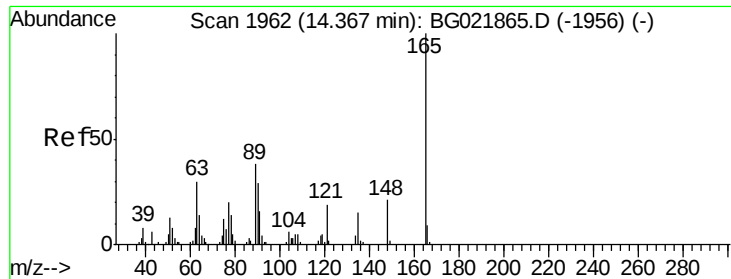
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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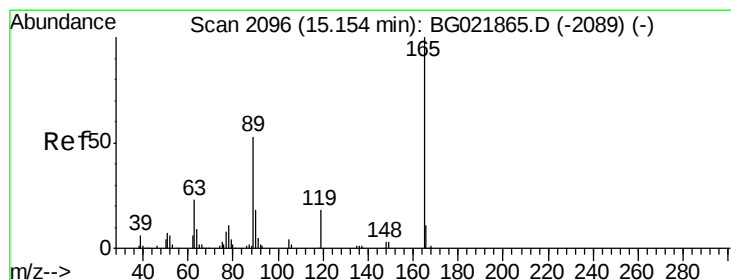
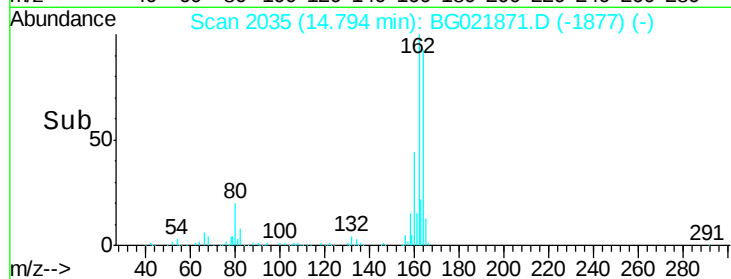
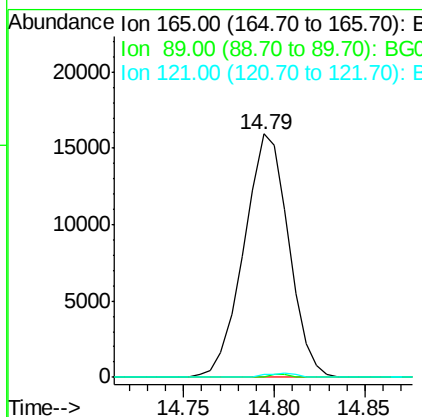
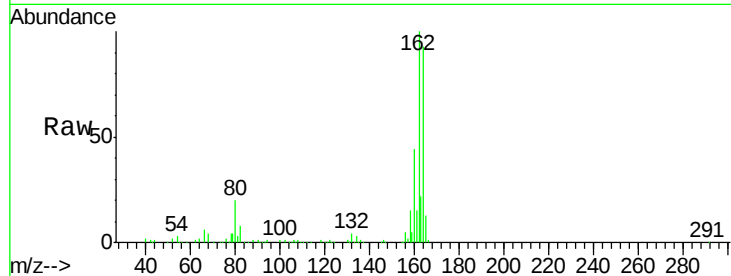




#46
 2,6-Dinitrotoluene
 Concen: 9.20 ng/ul
 RT: 14.79 min Scan# 2035
 Delta R.T. 0.43 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

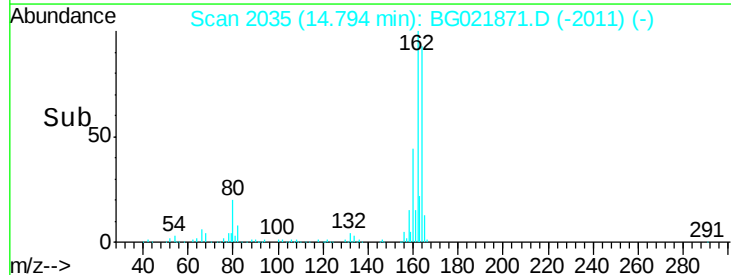
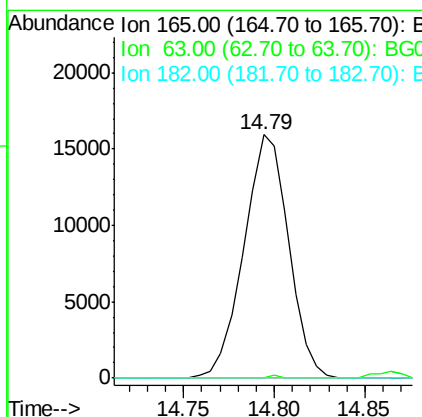
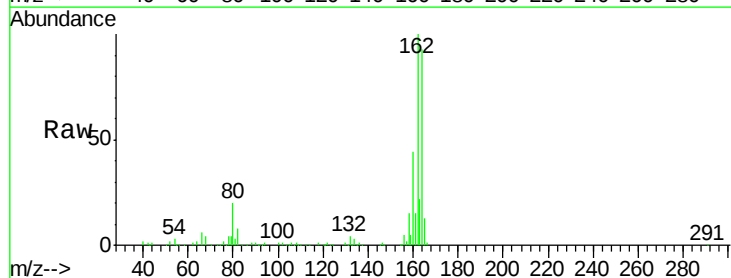
Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9DL

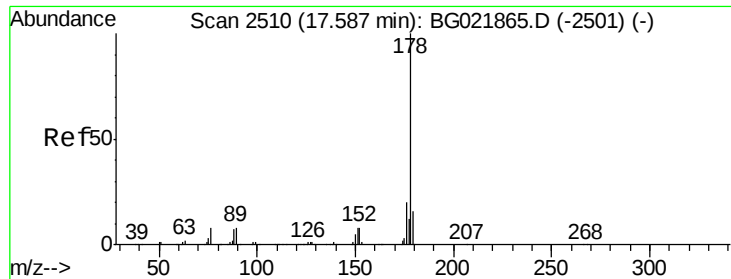
Tgt Ion	Ratio	Lower	Upper
165	100		
89	0.0	64.6	96.8#
121	1.5	20.4	30.6#



#55
 2,4-Dinitrotoluene
 Concen: 6.65 ng/ul
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.36 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.1	72.1#
182	0.0	2.2	3.2#

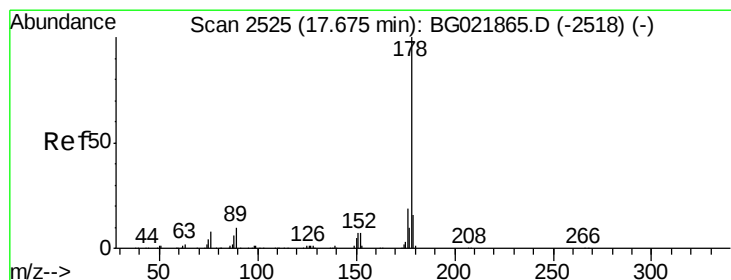
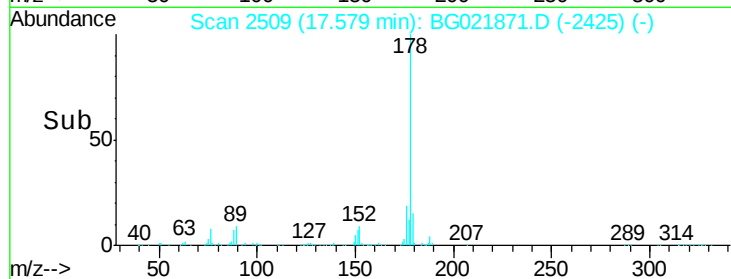
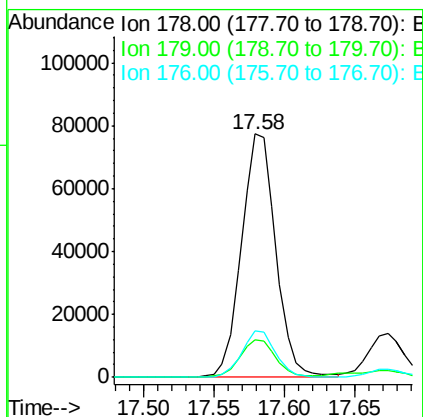
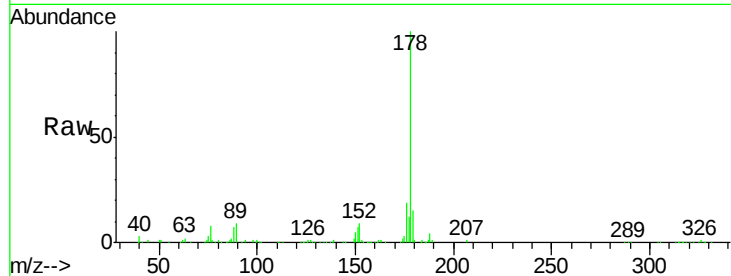




#70
 Phenanthrene
 Concen: 5.37 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. -0.01 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

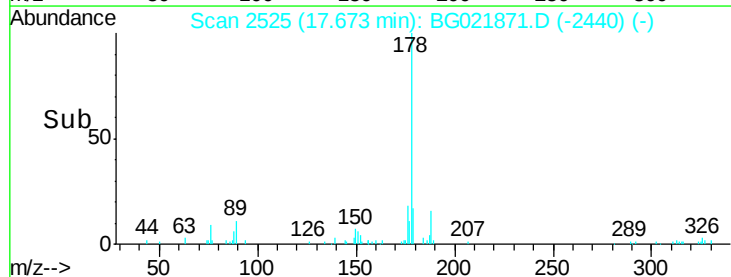
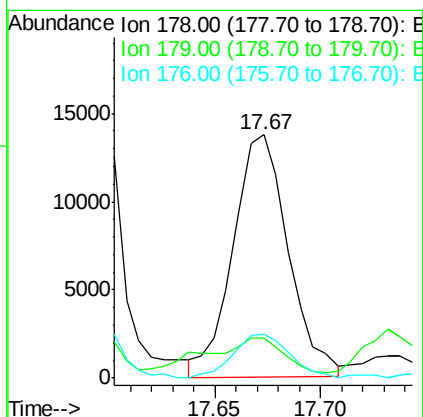
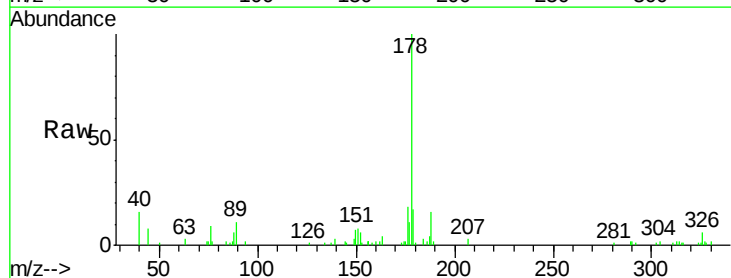
Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9DL

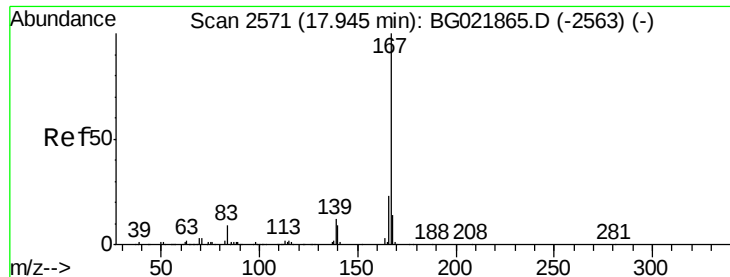
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	19.1	14.8	22.2



#72
 Anthracene
 Concen: 1.00 ng/ul
 RT: 17.67 min Scan# 2525
 Delta R.T. -0.00 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	17.9	15.6	23.4

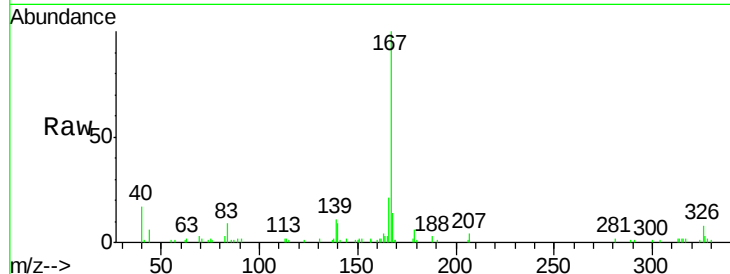




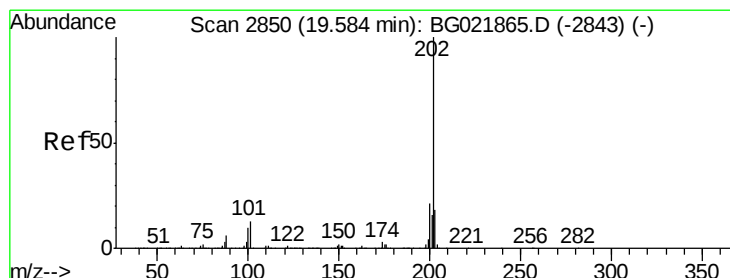
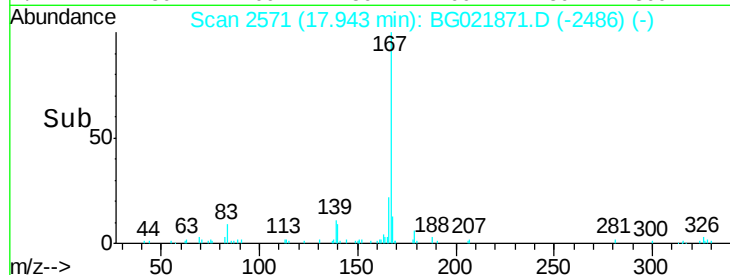
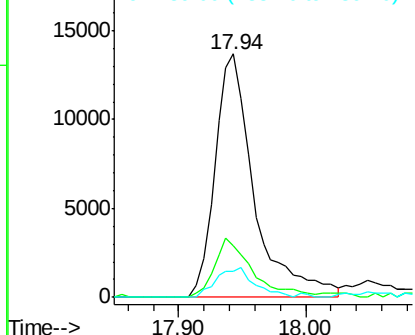
#73
 Carbazole
 Concen: 1.37 ng/ul
 RT: 17.94 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	19.0	28.4
139	10.8	12.2	18.4#

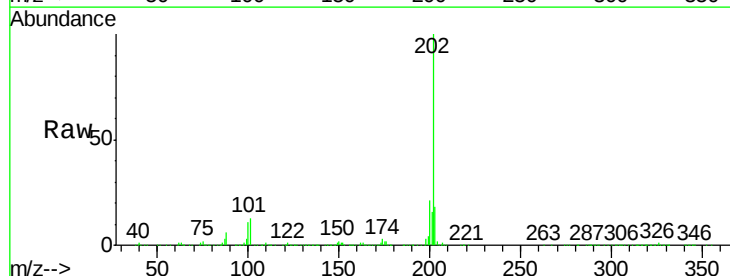


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

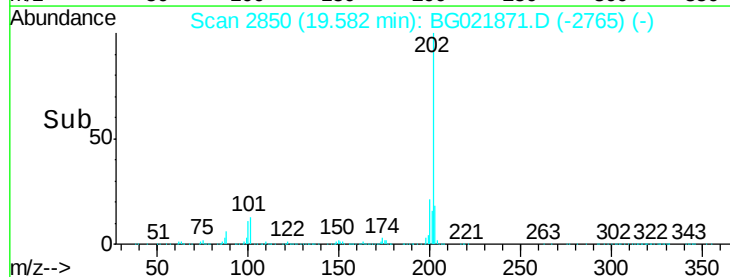
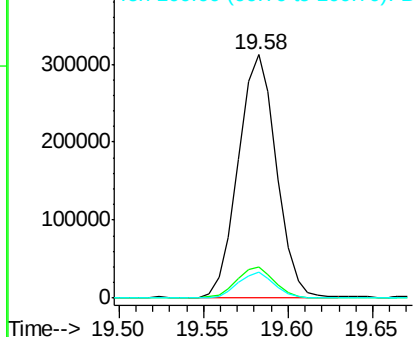


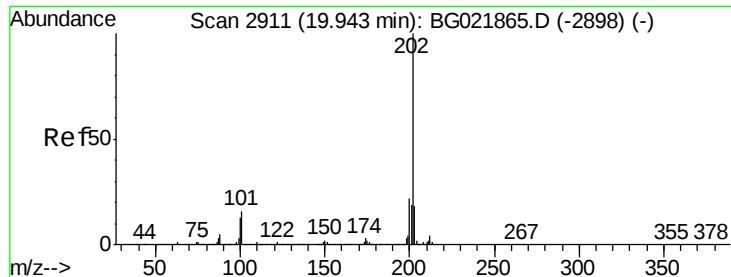
#75
 Fluoranthene
 Concen: 17.58 ng/ul
 RT: 19.58 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.9	13.3
100	10.6	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: 18.93 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.36 min

Lab File: BG021871.D

Acq: 12 May 2016 16:34

Instrument :

BNA_G

ClientSampleId :

D9WJ9DL

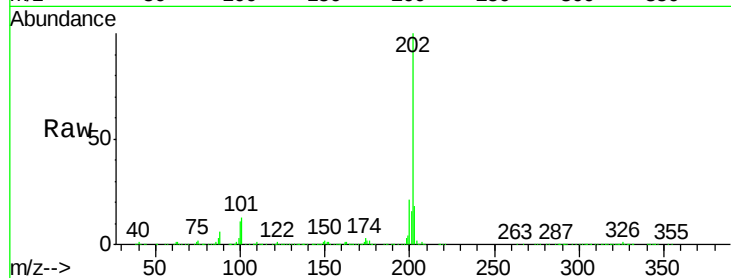
Tgt Ion:202 Resp: 489545

Ion Ratio Lower Upper

202 100

101 13.0 9.8 14.8

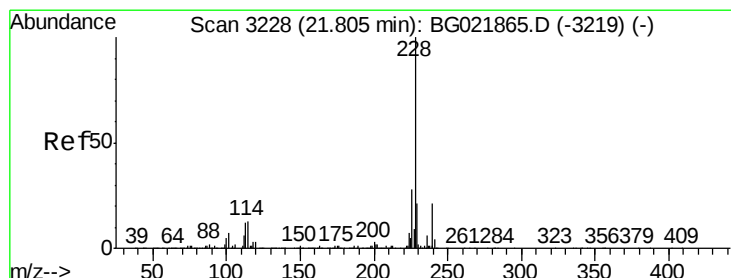
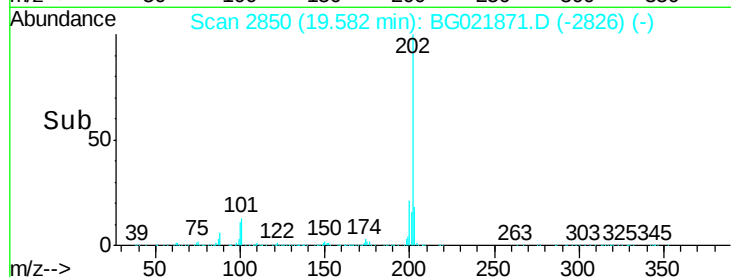
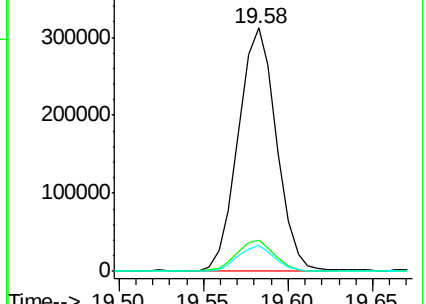
100 10.6 9.3 13.9



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): E



#81

Benzo(a)anthracene

Concen: 20.59 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG021871.D

Acq: 12 May 2016 16:34

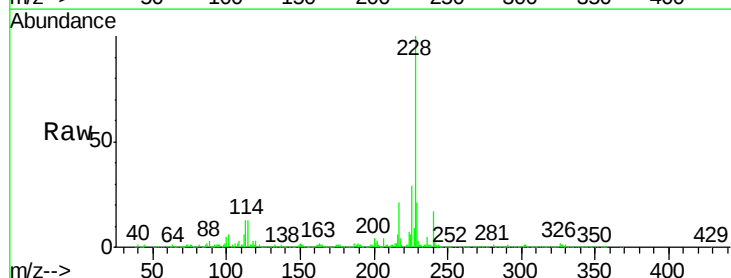
Tgt Ion:228 Resp: 512160

Ion Ratio Lower Upper

228 100

229 21.3 16.6 25.0

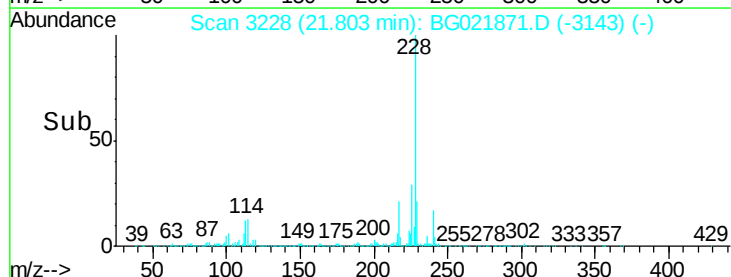
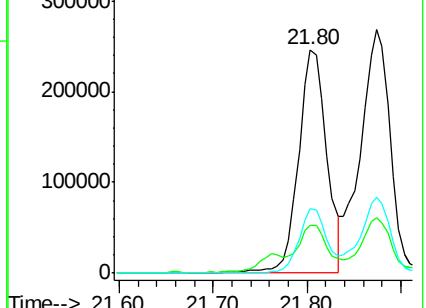
226 29.0 21.0 31.4

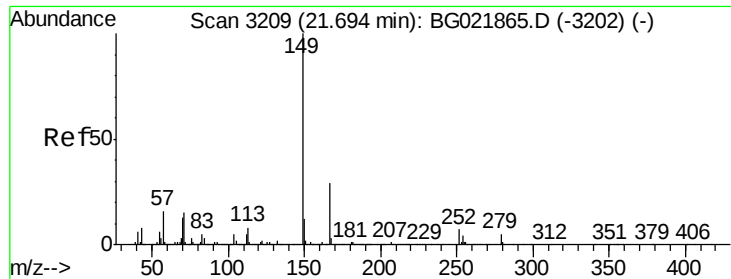


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

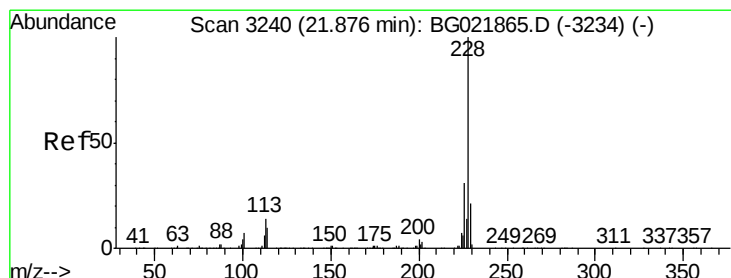
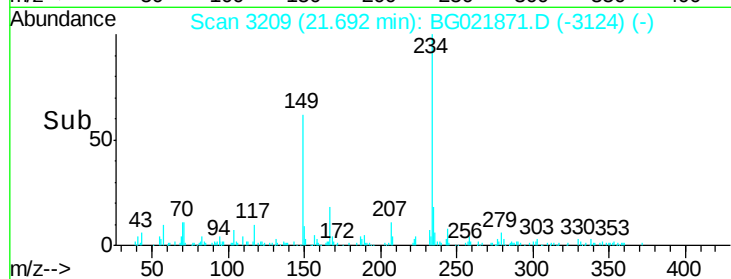
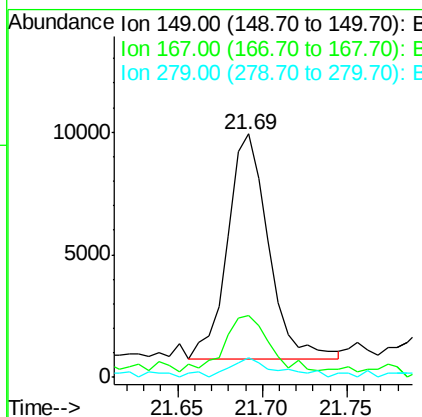
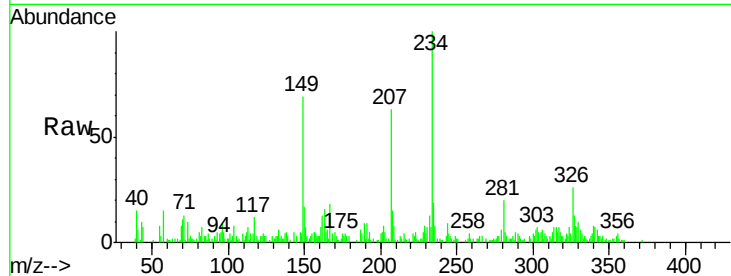




#82
 Bis(2-ethylhexyl)phthalate
 Concen: 1.65 ng/ul
 RT: 21.69 min Scan# 3209
 Delta R.T. -0.00 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

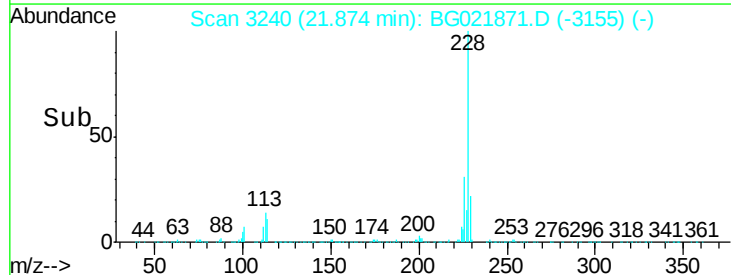
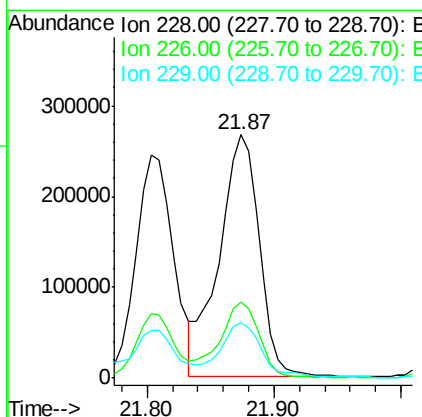
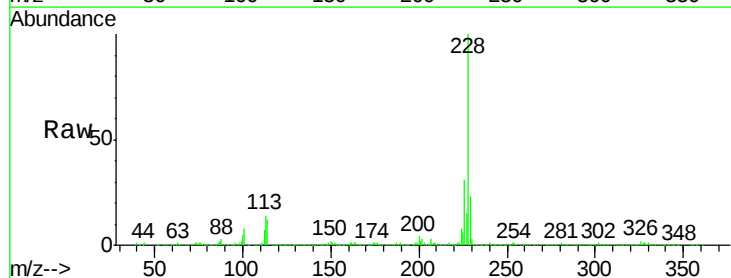
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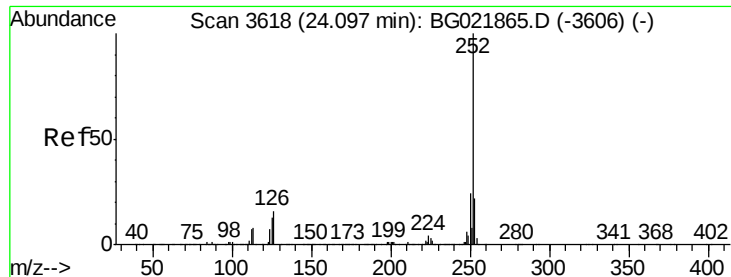
Tgt Ion:149 Resp: 15438
 Ion Ratio Lower Upper
 149 100
 167 25.5 20.5 30.7
 279 8.2 3.7 5.5#



#83
 Chrysene
 Concen: 23.70 ng/ul
 RT: 21.87 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: BG021871.D
 Acq: 12 May 2016 16:34

Tgt Ion:228 Resp: 582951
 Ion Ratio Lower Upper
 228 100
 226 31.4 23.4 35.2
 229 22.7 16.2 24.2

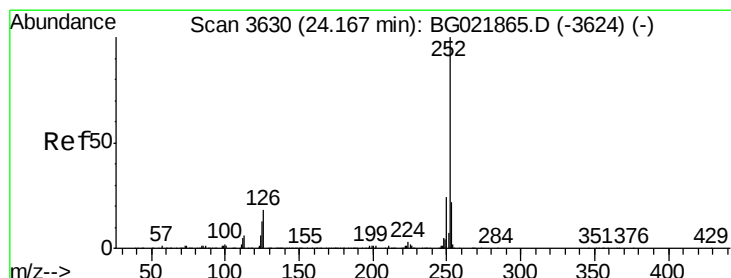
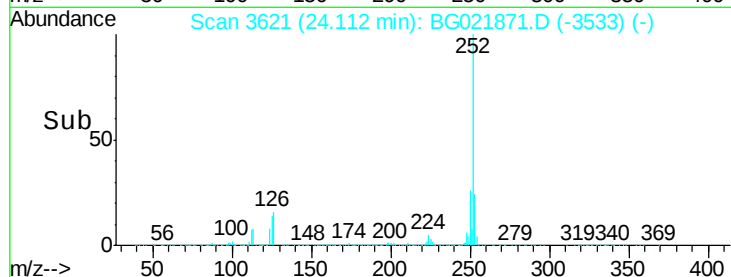
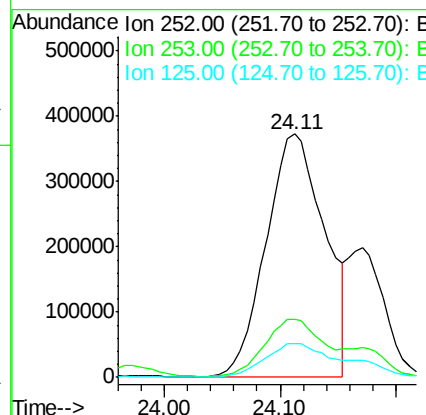
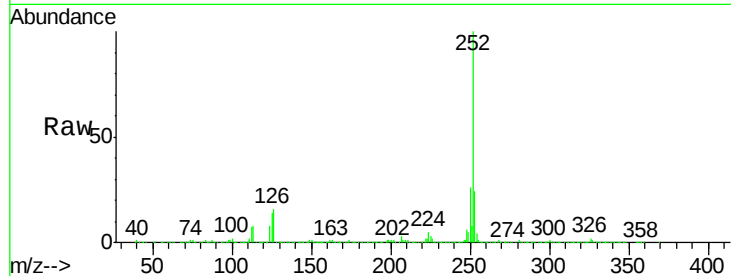




#86
Benzo(b)fluoranthene
Concen: 51.22 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. 0.02 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

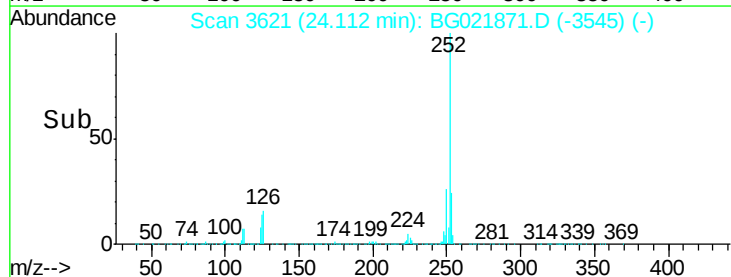
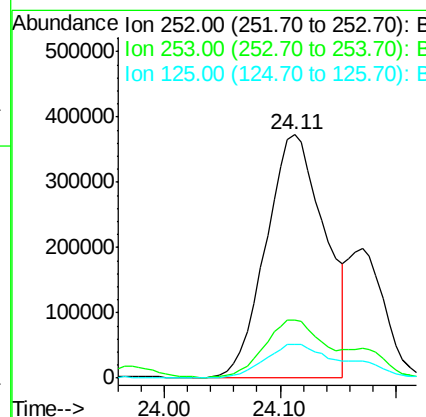
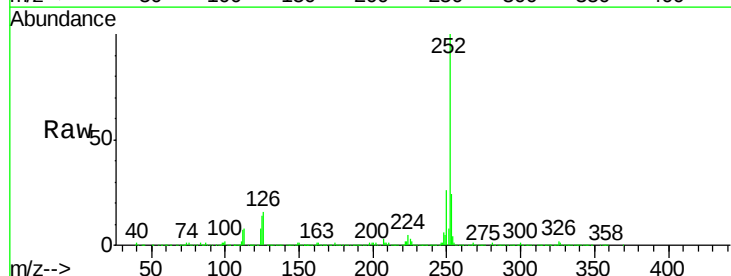
Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

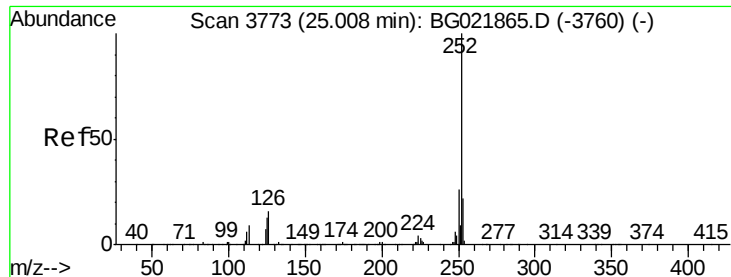
Tgt Ion:252 Resp: 1318623
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 14.0 7.6 11.4#



#87
Benzo(k)fluoranthene
Concen: 47.84 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. -0.05 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:252 Resp: 1318623
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.0 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 38.47 ng/ul

RT: 25.02 min Scan# 3775

Delta R.T. 0.01 min

Lab File: BG021871.D

Acq: 12 May 2016 16:34

Instrument :

BNA_G

ClientSampleId :

D9WJ9DL

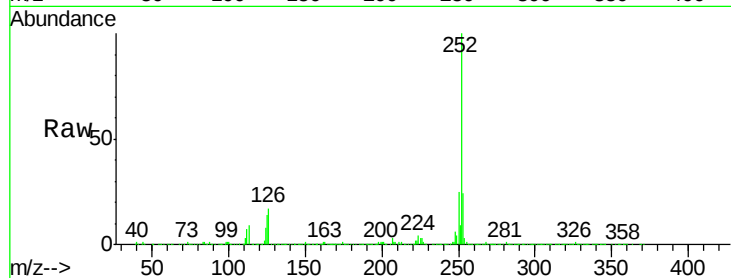
Tgt Ion:252 Resp: 985812

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

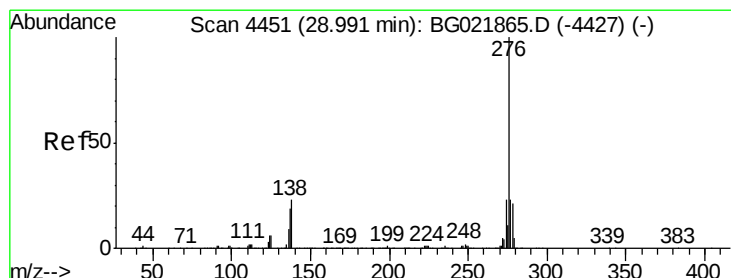
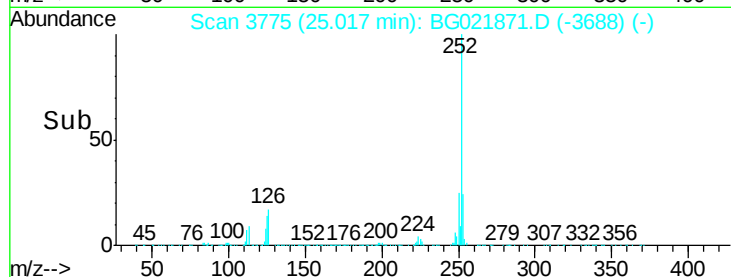
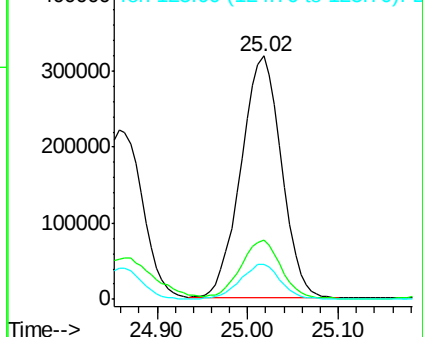
125 14.1 8.2 12.2#



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



#90

Indeno(1,2,3-cd)pyrene

Concen: 28.86 ng/ul

RT: 29.01 min Scan# 4455

Delta R.T. 0.02 min

Lab File: BG021871.D

Acq: 12 May 2016 16:34

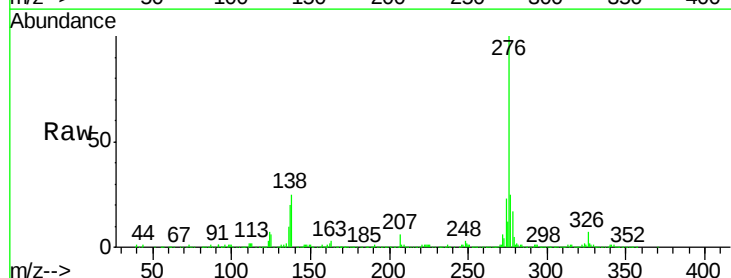
Tgt Ion:276 Resp: 876595

Ion Ratio Lower Upper

276 100

138 25.0 15.8 23.6#

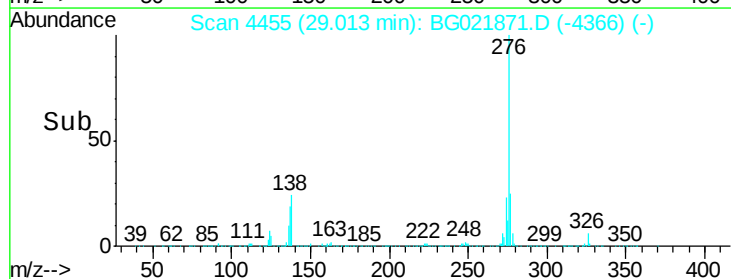
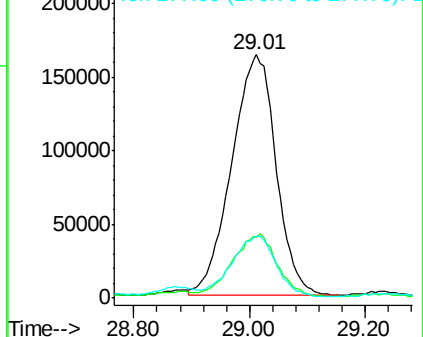
277 25.2 19.0 28.6

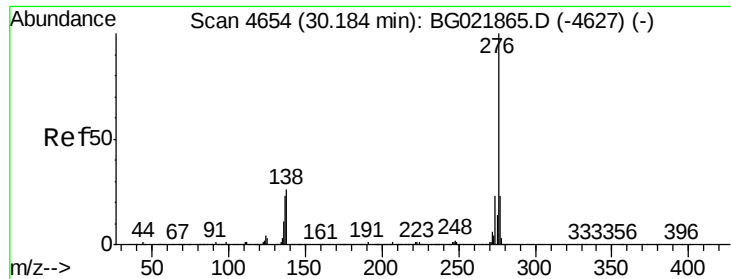


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Benzo(g,h,i)perylene

Concen: 31.25 ng/ul

RT: 30.21 min Scan# 4659

Delta R.T. 0.03 min

Lab File: BG021871.D

Acq: 12 May 2016 16:34

Instrument :

BNA_G

ClientSampleId :

D9WJ9DL

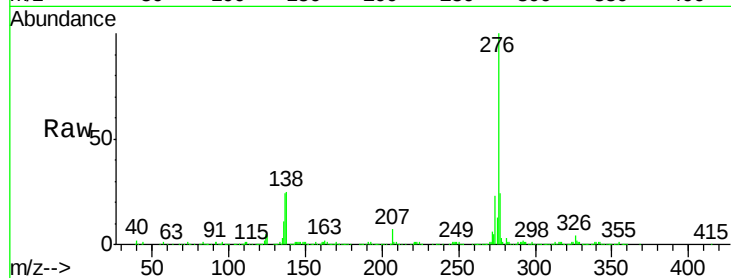
Tgt Ion: 276 Resp: 783339

Ion Ratio Lower Upper

276 100

138 24.9 13.9 20.9#

277 24.0 19.8 29.6



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

