

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021869.D
 Acq On : 12 May 2016 15:13
 Operator : UM/SJ
 Sample : H2936-10 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9

Quant Time: May 13 05:00:03 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	61633	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	319665	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	197138	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	406298	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	421639	20.00	ng/ul	0.01
84) Perylene-d12	24.96	264	269078	20.00	ng/ul	-0.21

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	3066	2.40	ng/uL	0.01
5) Phenol-d5	7.32	99	68809	15.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	30397	13.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	65844	18.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	62554	16.28	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	29890	14.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	40214	30.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	70551	18.80	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	51883	12.83	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	209336	15.12	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	282912	14.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	18104	7.63	ng/ul	0.00
58) Fluorene-d10	15.79	176	189658	13.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	3943	3.50	ng/ul	0.00
71) Anthracene-d10	17.64	188	269203	13.61	ng/ul	0.00
77) Pyrene-d10	19.91	212	283976	14.39	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.84	264	554	0.04	ng/ul	-0.10

Target Compounds

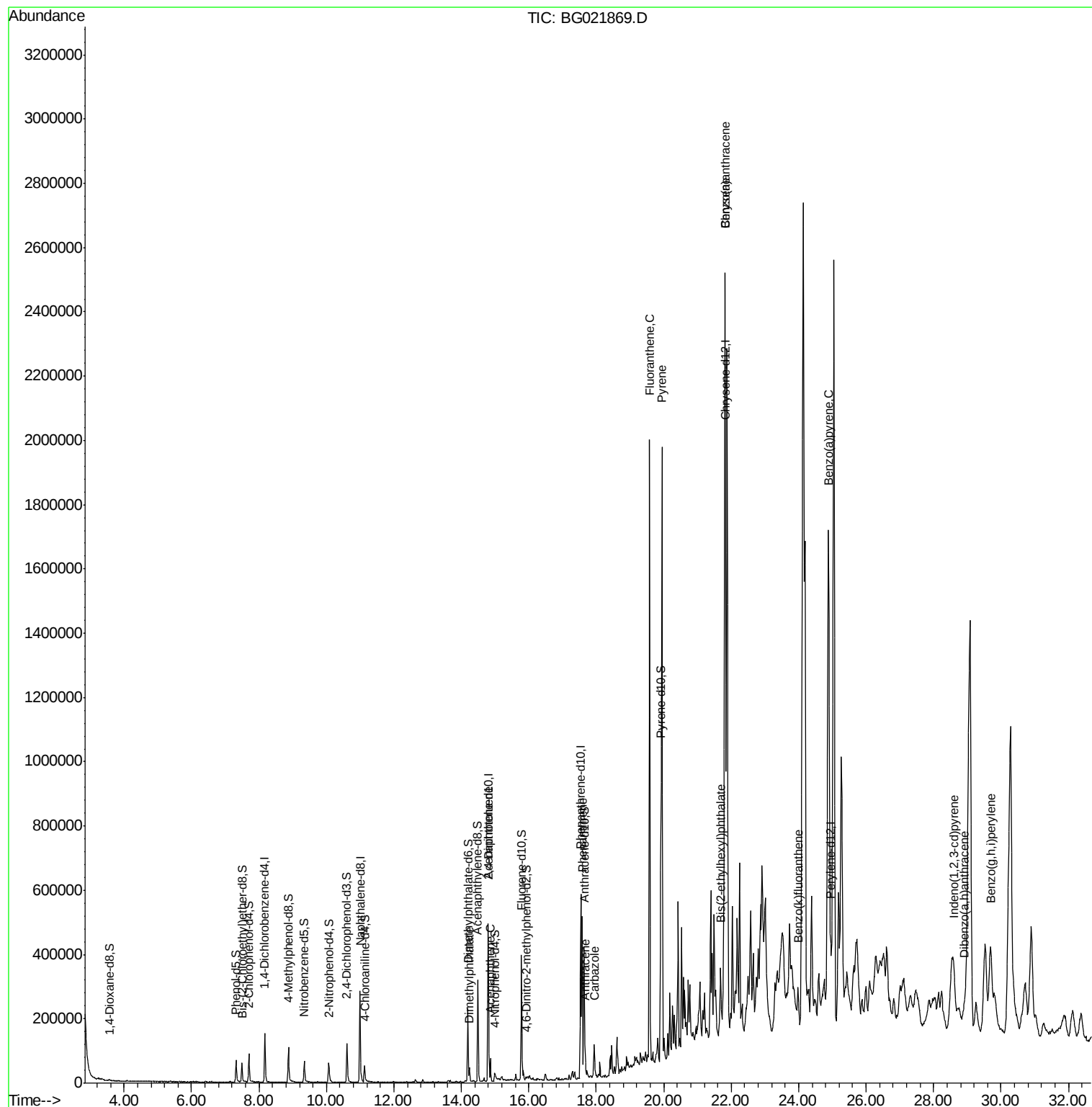
						Qvalue
45) Dimethylphthalate	14.24	163	35289	2.50	ng/ul#	97
50) Acenaphthene	14.86	153	32359	2.31	ng/ul	94
55) 2,4-Dinitrotoluene	14.79	165	25819	6.70	ng/ul#	24
70) Phenanthrene	17.58	178	362260	16.31	ng/ul	97
72) Anthracene	17.67	178	70521	3.13	ng/ul	98
73) Carbazole	17.94	167	87979	4.50	ng/ul	95
75) Fluoranthene	19.58	202	1274894	50.52	ng/ul#	90
78) Pyrene	19.95	202	1313253	53.83	ng/ul#	90
81) Benzo(a)anthracene	21.81	228	1397832	59.57	ng/ul	91
82) Bis(2-ethylhexyl)phthalate	21.69	149	41370	4.70	ng/ul#	94
83) Chrysene	21.81	228	1397832	60.22	ng/ul	95
87) Benzo(k)fluoranthene	23.98	252	20600	1.25	ng/ul#	1
89) Benzo(a)pyrene	24.88	252	1936087	126.28	ng/ul#	84
90) Indeno(1,2,3-cd)pyrene	28.60	276	406478	22.37	ng/ul	95
91) Dibenzo(a,h)anthracene	28.90	278	39641	2.62	ng/ul#	81
92) Benzo(g,h,i)perylene	29.70	276	92283	6.15	ng/ul#	22

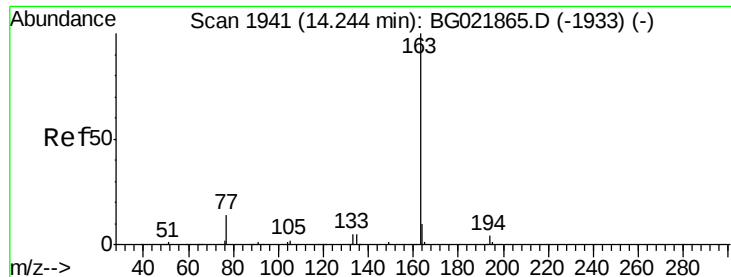
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 2.50 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampleId :

D9WJ9

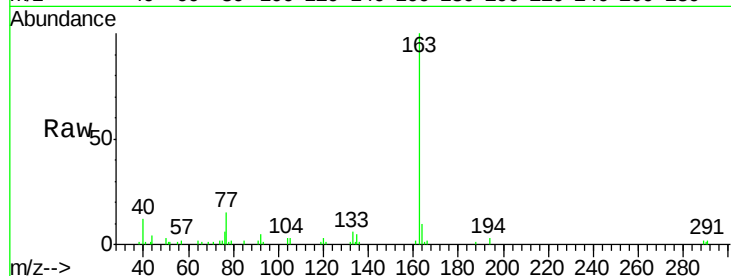
Tgt Ion:163 Resp: 35289

Ion Ratio Lower Upper

163 100

194 3.2 3.9 5.9#

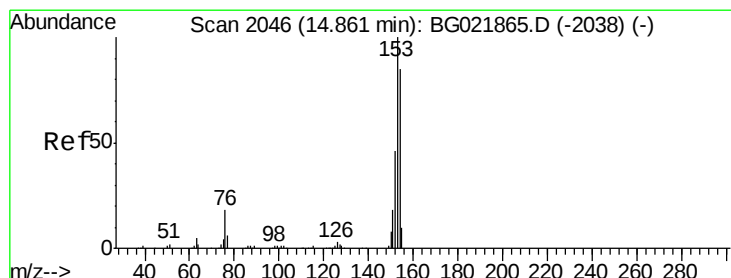
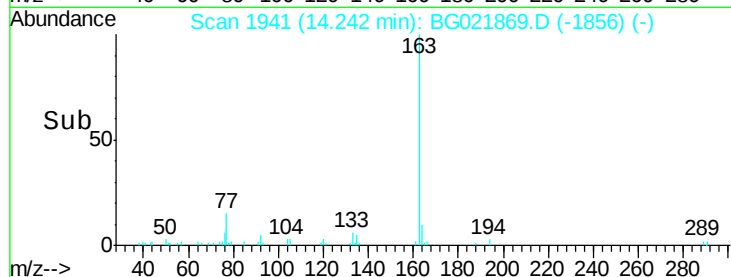
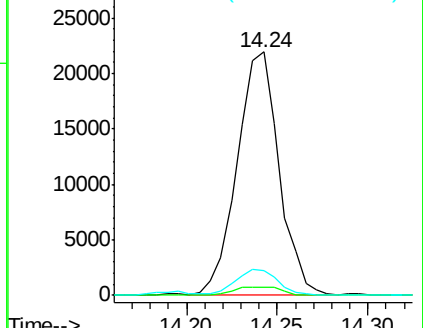
164 10.1 8.7 13.1



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: 2.31 ng/ul

RT: 14.86 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

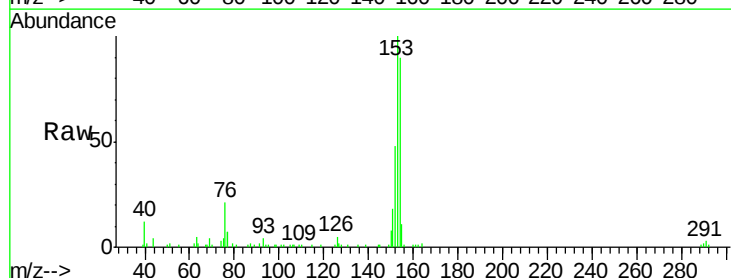
Tgt Ion:153 Resp: 32359

Ion Ratio Lower Upper

153 100

152 47.9 36.5 54.7

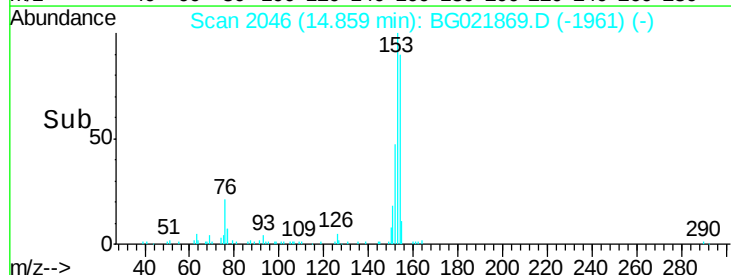
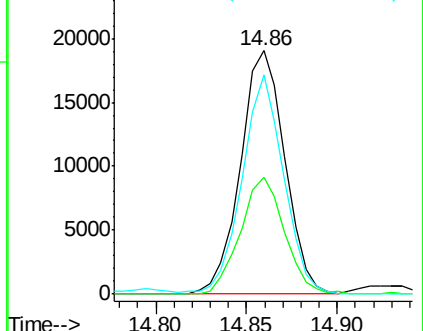
154 90.3 67.3 100.9

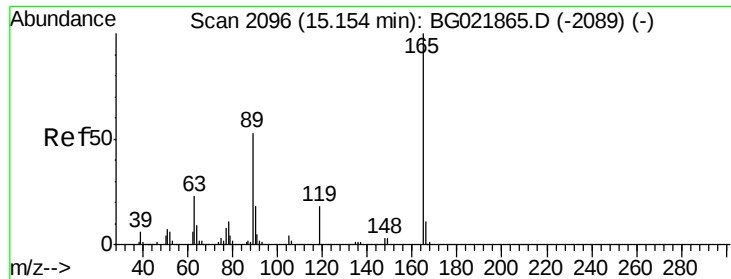


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

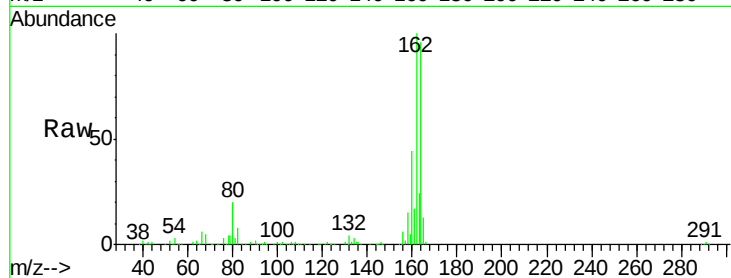




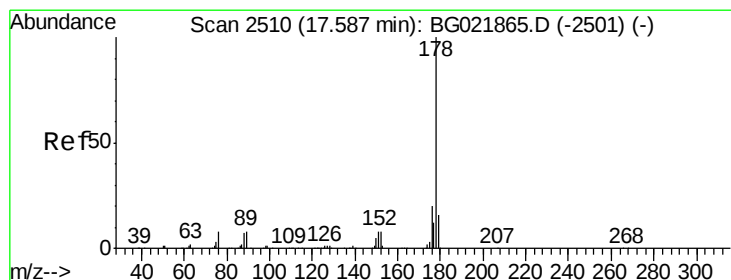
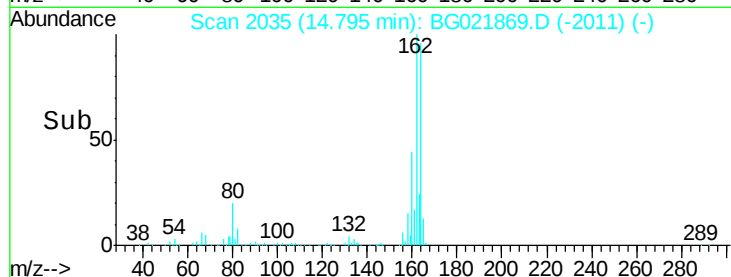
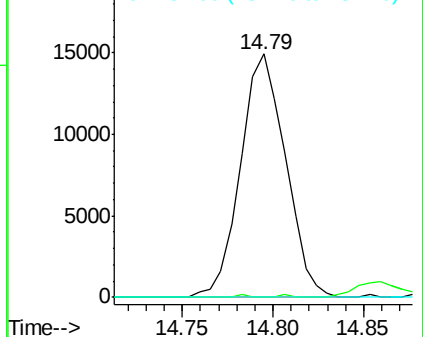
#55
 2,4-Dinitrotoluene
 Concen: 6.70 ng/ul
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.36 min
 Lab File: BG021869.D
 Acq: 12 May 2016 15:13

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ9

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

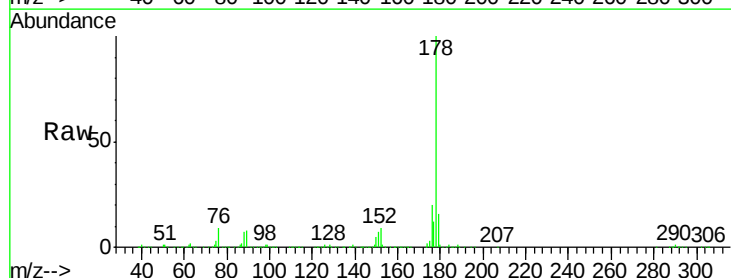


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 182.00 (181.70 to 182.70): E

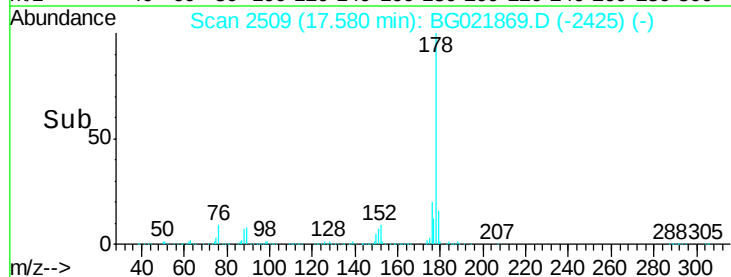
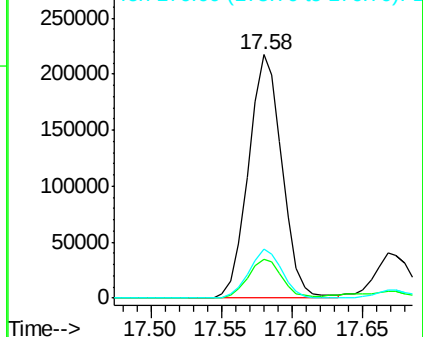


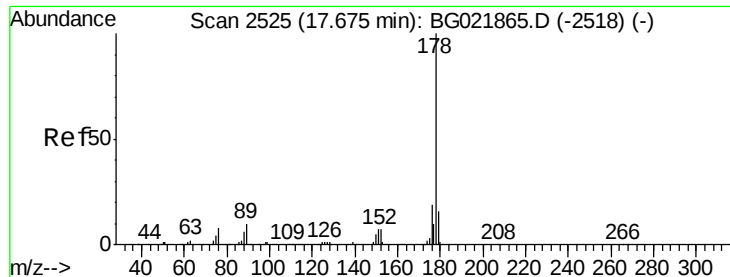
#70
 Phenanthrene
 Concen: 16.31 ng/ul
 RT: 17.58 min Scan# 2509
 Delta R.T. -0.01 min
 Lab File: BG021869.D
 Acq: 12 May 2016 15:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.8
176	20.1	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: 3.13 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampleId :

D9WJ9

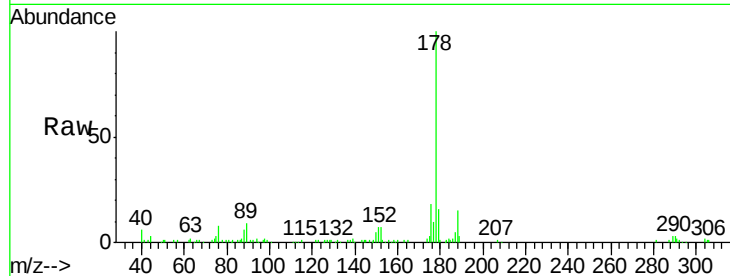
Tgt Ion:178 Resp: 70521

Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

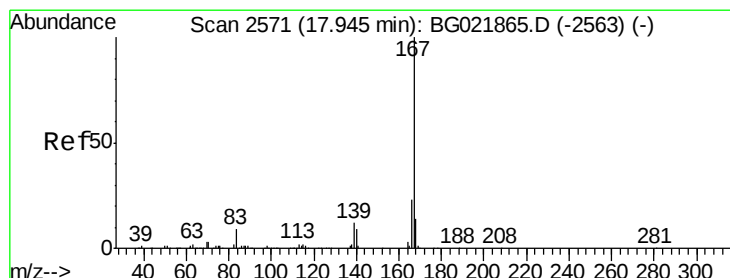
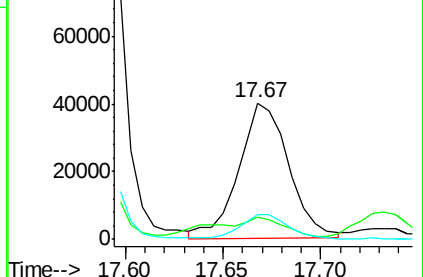
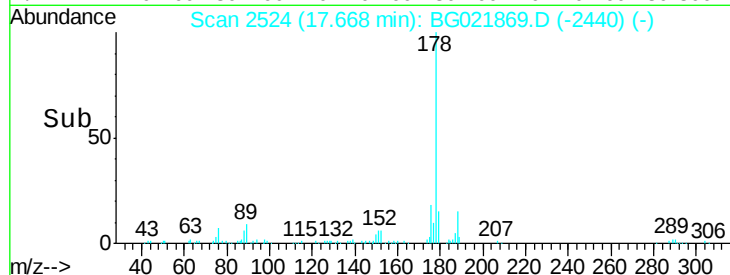
176 18.1 15.6 23.4



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: 4.50 ng/ul

RT: 17.94 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

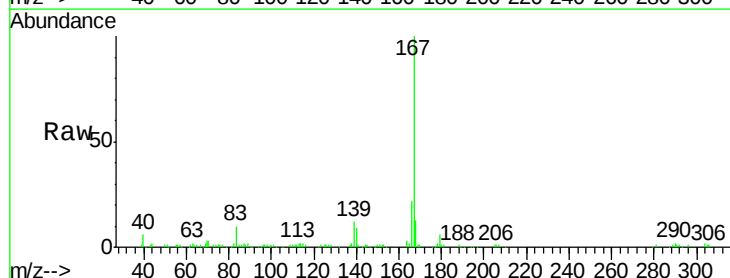
Tgt Ion:167 Resp: 87979

Ion Ratio Lower Upper

167 100

166 22.2 19.0 28.4

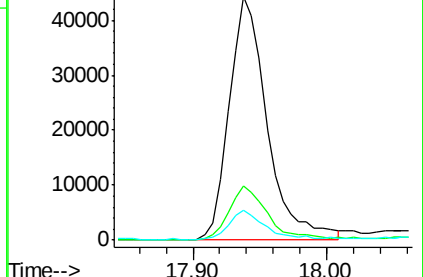
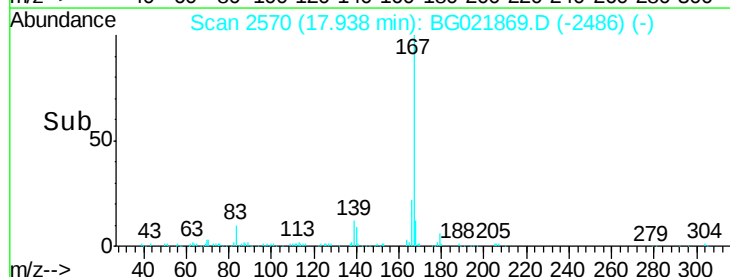
139 12.4 12.2 18.4

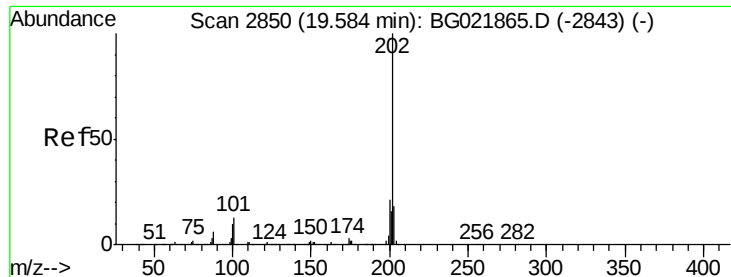


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 50.52 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampled :

D9WJ9

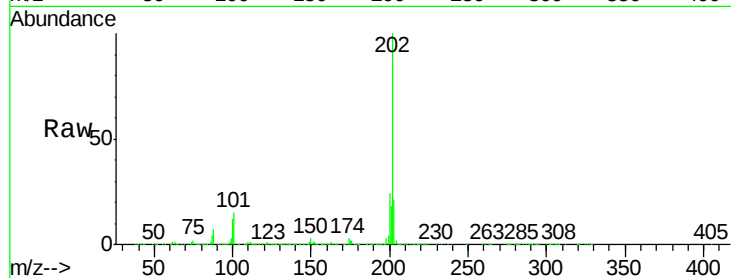
Tgt Ion:202 Resp: 1274894

Ion Ratio Lower Upper

202 100

101 15.2 8.9 13.3#

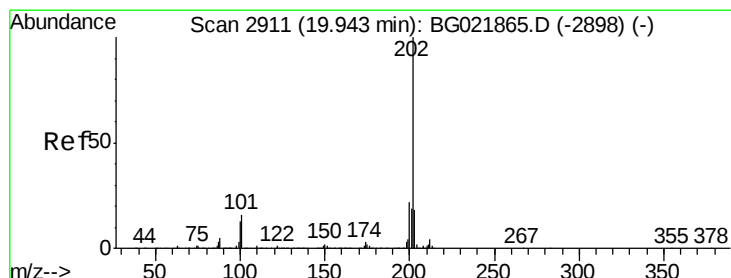
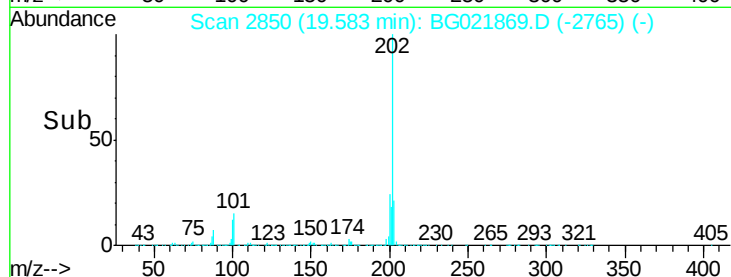
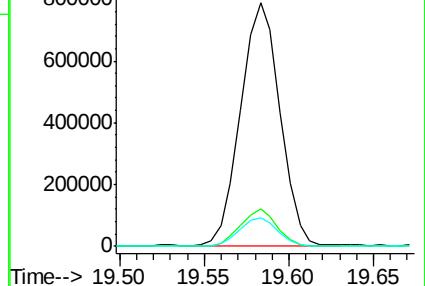
100 11.7 7.0 10.4#



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: 53.83 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

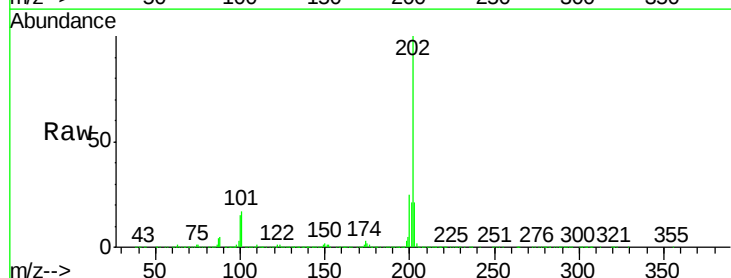
Tgt Ion:202 Resp: 1313253

Ion Ratio Lower Upper

202 100

101 16.9 9.8 14.8#

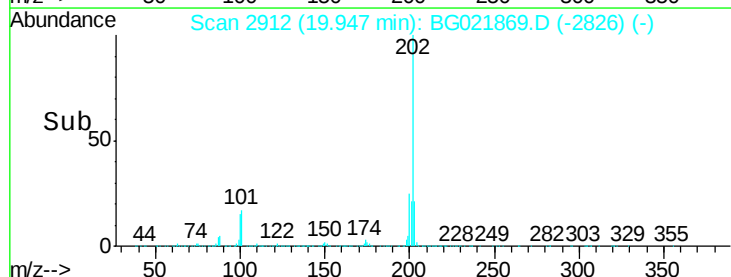
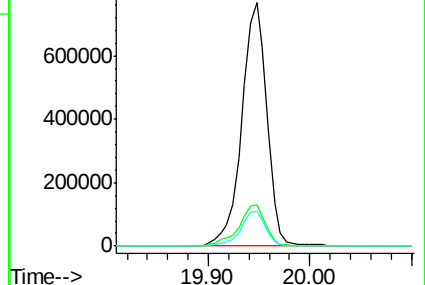
100 14.6 9.3 13.9#

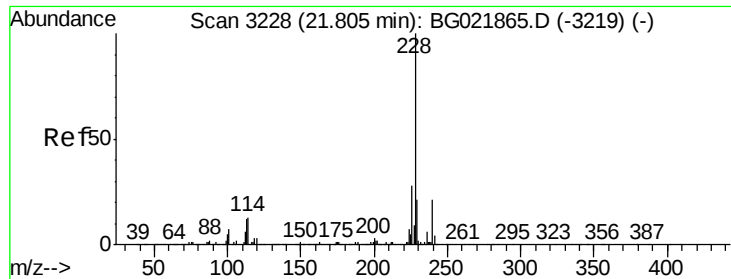


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

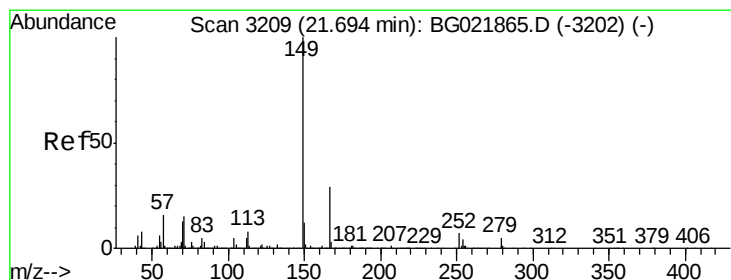
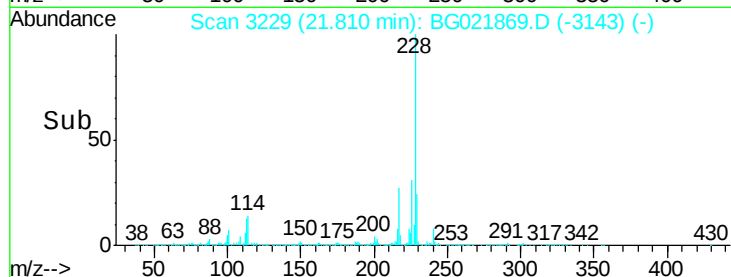
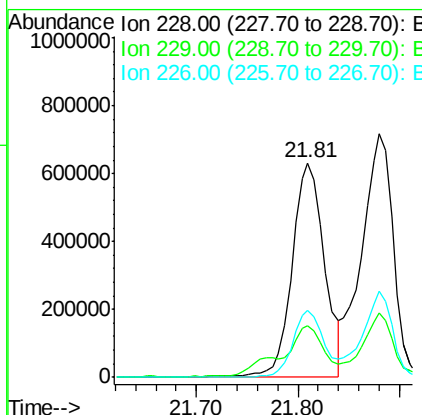
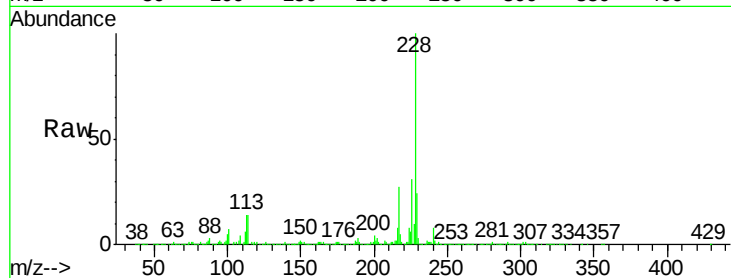




#81
Benzo(a)anthracene
Concen: 59.57 ng/ul
RT: 21.81 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BG021869.D
Acq: 12 May 2016 15:13

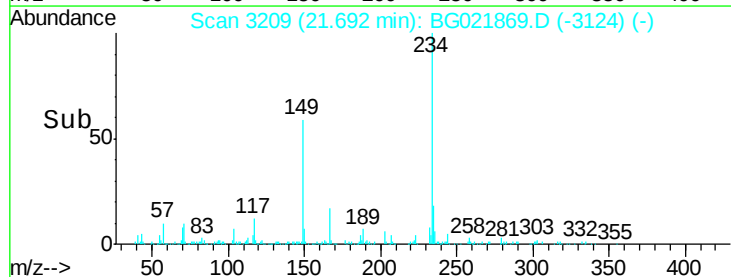
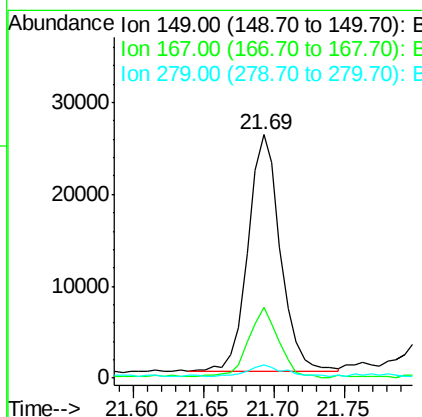
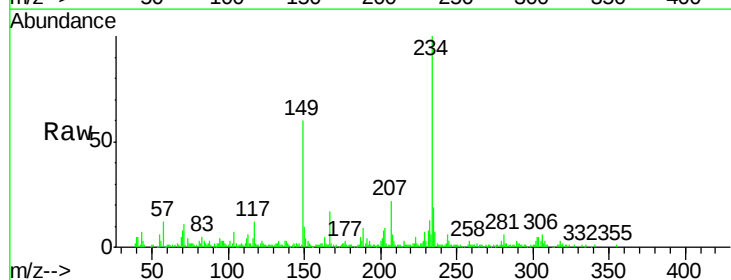
Instrument :
BNA_G
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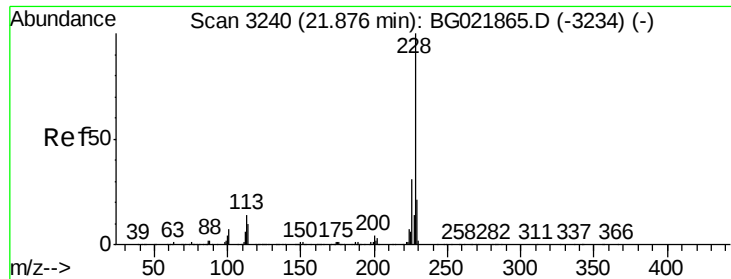
Tgt Ion:228 Resp: 1397832
Ion Ratio Lower Upper
228 100
229 24.0 16.6 25.0
226 31.2 21.0 31.4



#82
Bis(2-ethylhexyl)phthalate
Concen: 4.70 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BG021869.D
Acq: 12 May 2016 15:13

Tgt Ion:149 Resp: 41370
Ion Ratio Lower Upper
149 100
167 29.0 20.5 30.7
279 5.6 3.7 5.5#





#83

Chrysene

Concen: 60.22 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. -0.07 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampleId :

D9WJ9

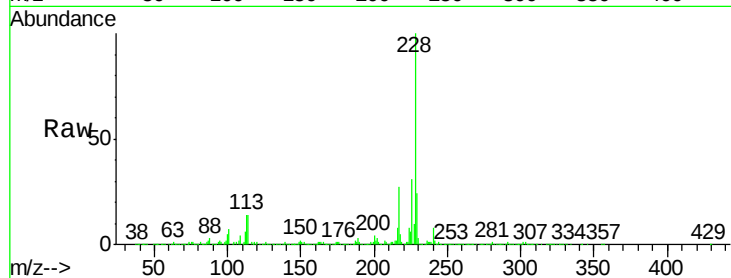
Tgt Ion:228 Resp: 1397832

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

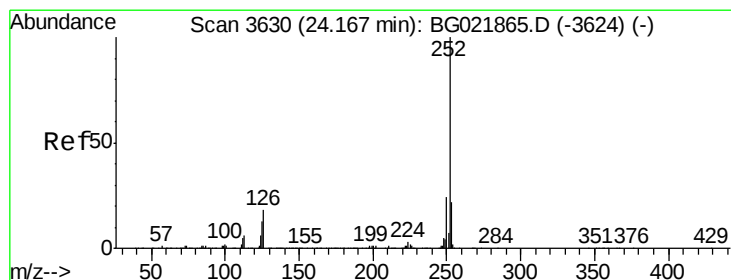
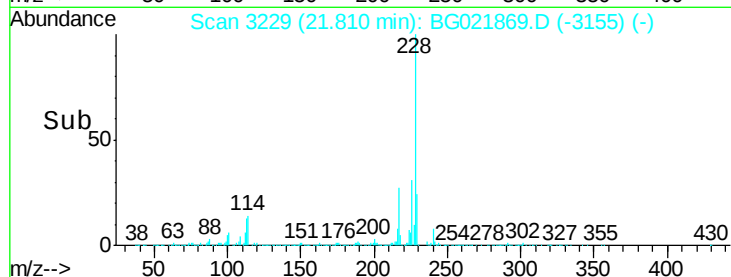
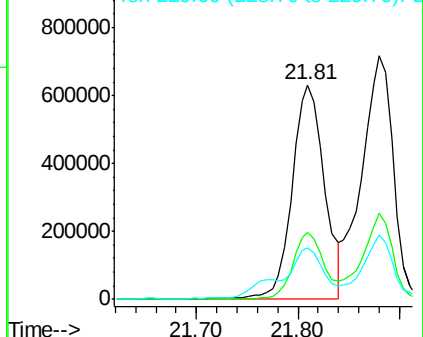
229 24.0 16.2 24.2



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



#87

Benzo(k)fluoranthene

Concen: 1.25 ng/ul

RT: 23.98 min Scan# 3599

Delta R.T. -0.18 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

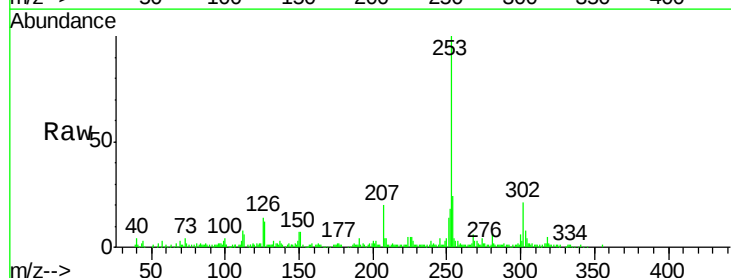
Tgt Ion:252 Resp: 20600

Ion Ratio Lower Upper

252 100

253 545.4 17.8 26.8#

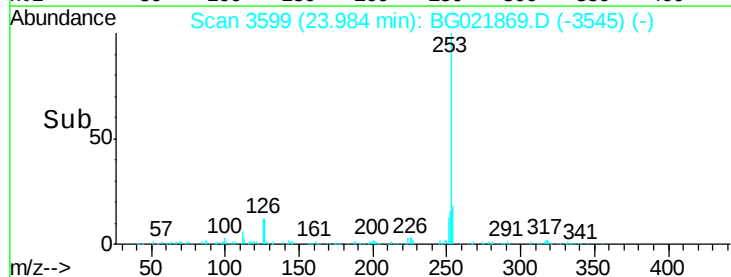
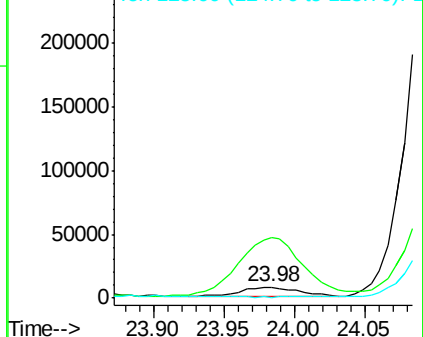
125 0.0 7.7 11.5#

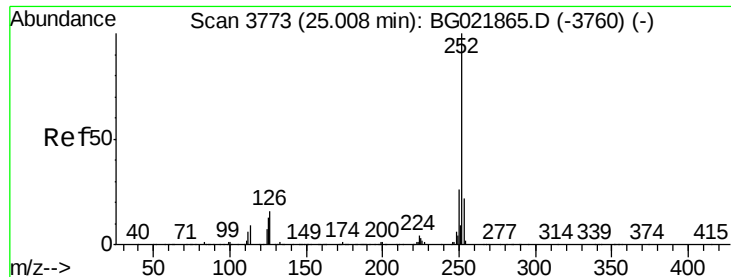


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 126.28 ng/u1

RT: 24.88 min Scan# 3752

Delta R.T. -0.12 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampleId :

D9WJ9

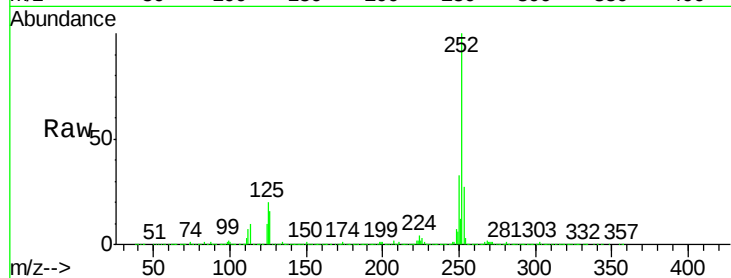
Tgt Ion:252 Resp: 1936087

Ion Ratio Lower Upper

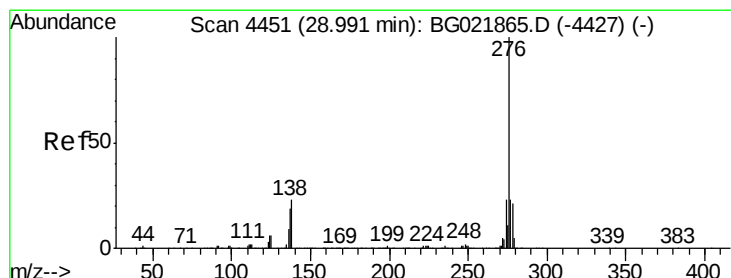
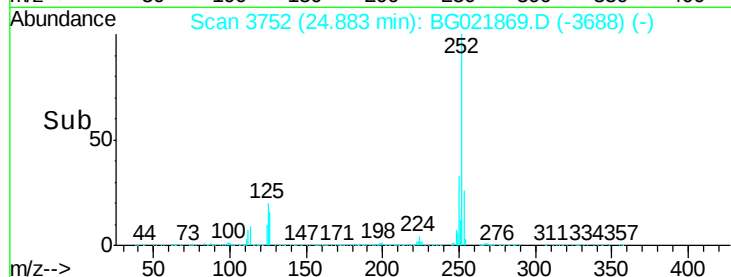
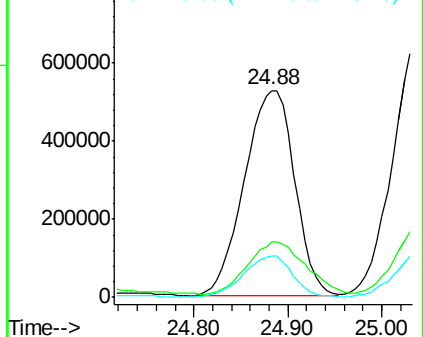
252 100

253 26.7 17.4 26.0#

125 20.0 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: 22.37 ng/u1

RT: 28.60 min Scan# 4385

Delta R.T. -0.39 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

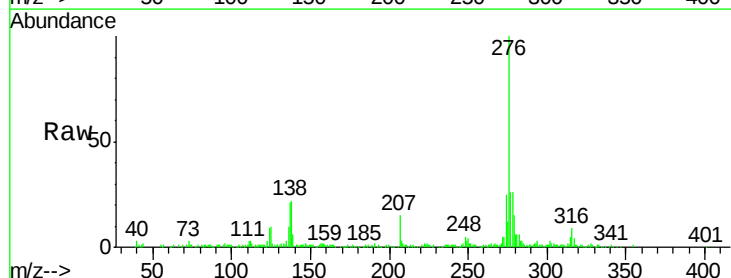
Tgt Ion:276 Resp: 406478

Ion Ratio Lower Upper

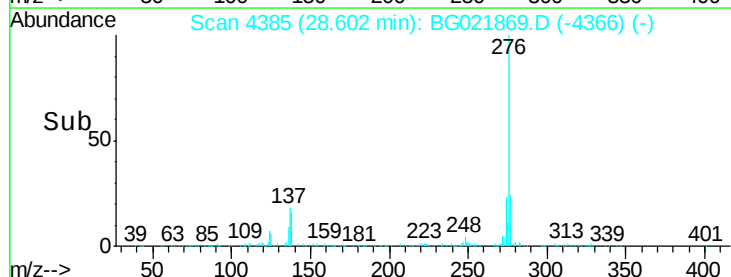
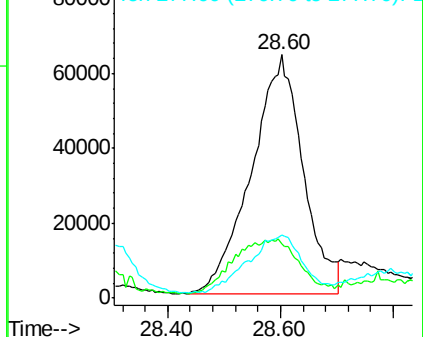
276 100

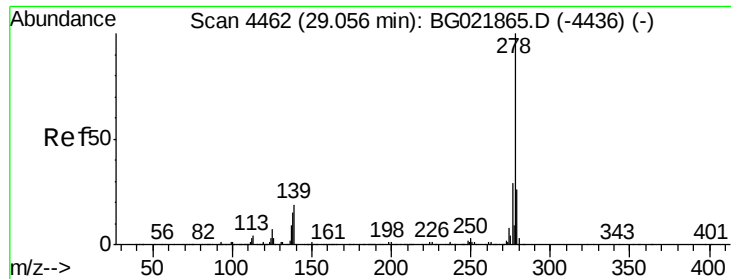
138 22.5 15.8 23.6

277 26.0 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: 2.62 ng/ul

RT: 28.90 min Scan# 4436

Delta R.T. -0.15 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

Instrument :

BNA_G

ClientSampleId :

D9WJ9

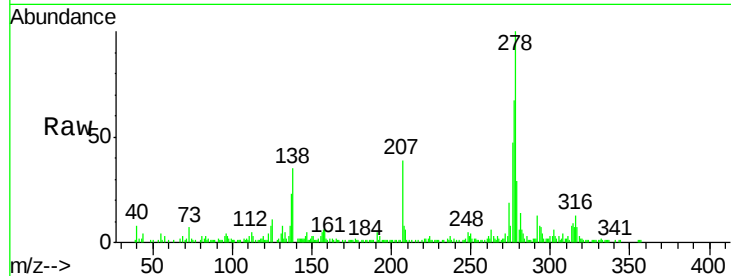
Tgt Ion:278 Resp: 39641

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

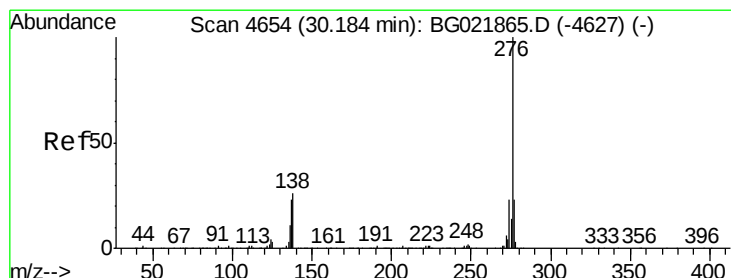
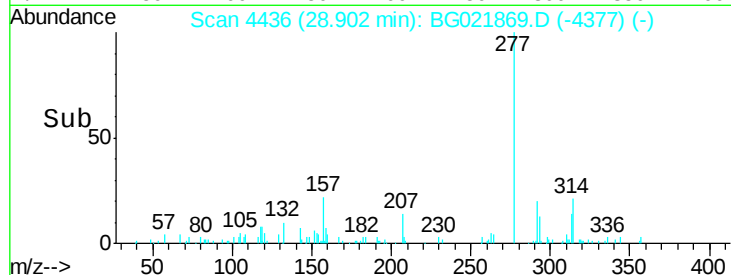
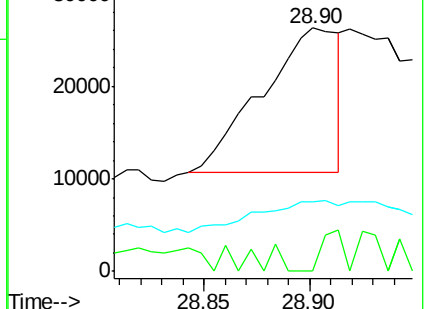
279 28.8 19.8 29.8



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: 6.15 ng/ul

RT: 29.70 min Scan# 4572

Delta R.T. -0.48 min

Lab File: BG021869.D

Acq: 12 May 2016 15:13

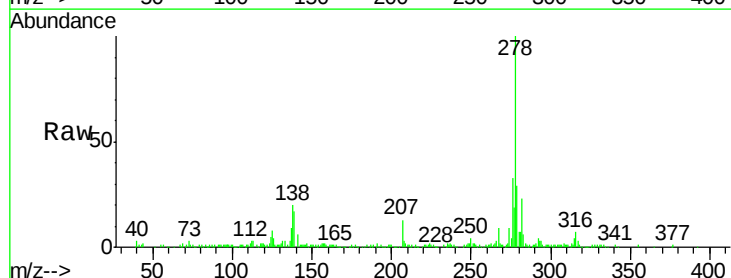
Tgt Ion:276 Resp: 92283

Ion Ratio Lower Upper

276 100

138 60.1 13.9 20.9#

277 56.7 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

