

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\
 Data File : BG021842.D
 Acq On : 11 May 2016 13:40
 Operator : UM/SJ
 Sample : H2937-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X88

Quant Time: May 12 04:48:58 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	77240	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	425223	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	270093	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	555953	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	558194	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	553165	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	4160	2.60	ng/uL	0.00
5) Phenol-d5	7.33	99	91920	16.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	42713	15.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	81591	18.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	80745	16.77	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	43709	15.64	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	45560	25.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	92022	18.43	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	101830	18.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	330460	17.42	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	436396	16.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	29149	8.96	ng/ul	0.00
58) Fluorene-d10	15.79	176	302511	15.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	37231	24.18	ng/ul	0.00
71) Anthracene-d10	17.64	188	435417	16.09	ng/ul	0.00
77) Pyrene-d10	19.92	212	465636	17.82	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.95	264	435145	16.56	ng/ul	0.00

Target Compounds

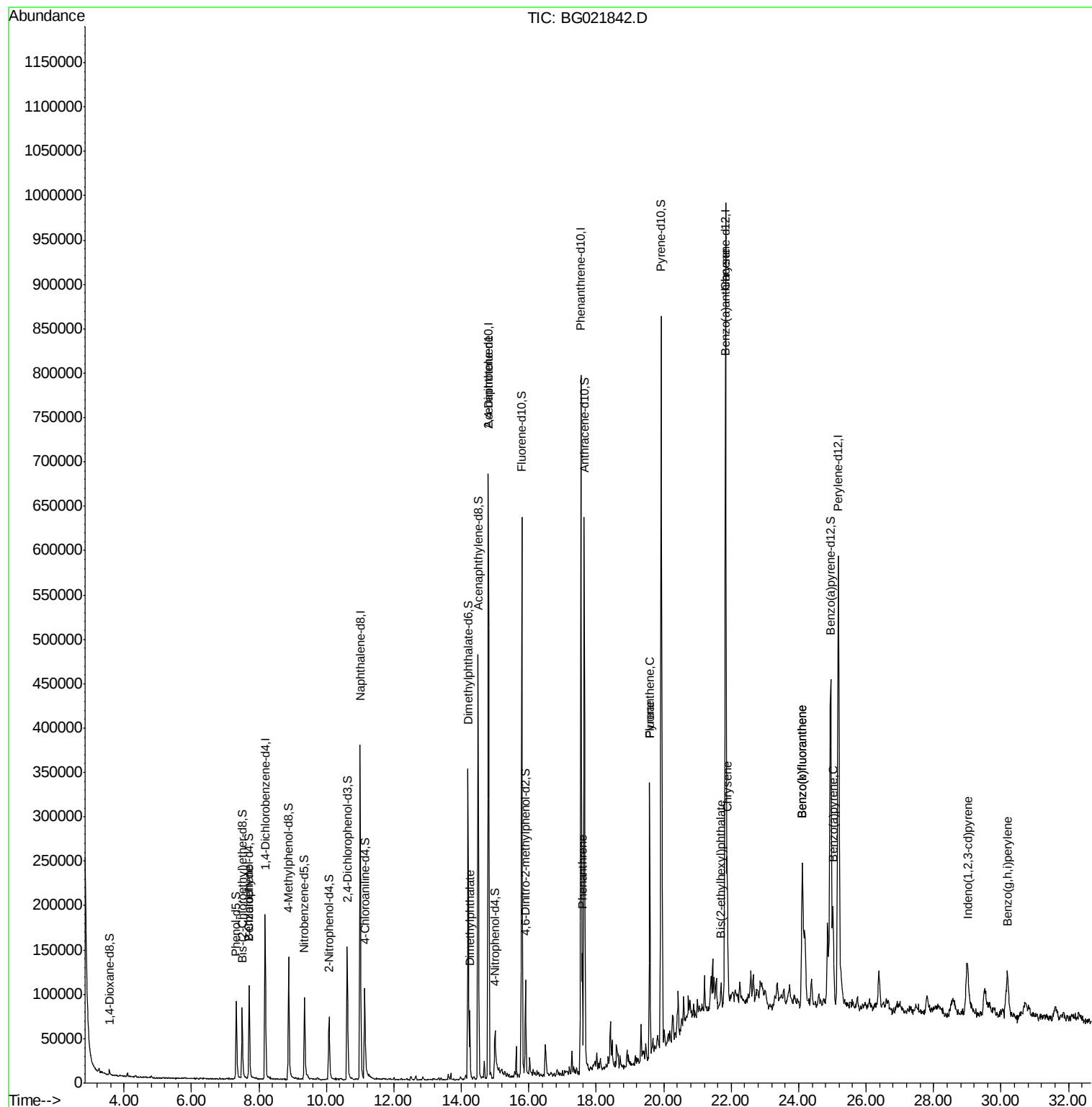
						Ovalue
4) Benzaldehyde	7.71	77	1257	2.02	ng/ul	97
45) Dimethylphthalate	14.25	163	62784	3.25	ng/ul	99
55) 2,4-Dinitrotoluene	14.80	165	35967	6.81	ng/ul#	25
70) Phenanthrene	17.59	178	88818	2.92	ng/ul	99
75) Fluoranthene	19.59	202	222206	6.43	ng/ul	97
78) Pyrene	19.59	202	222206	6.88	ng/ul	96
81) Benzo(a)anthracene	21.82	228	123908	3.99	ng/ul	99
82) Bis(2-ethylhexyl)phthalate	21.70	149	13777	1.18	ng/ul	96
83) Chrysene	21.88	228	115014	3.74	ng/ul	99
86) Benzo(b)fluoranthene	24.11	252	203197	6.42	ng/ul#	95
87) Benzo(k)fluoranthene	24.11	252	203197	5.99	ng/ul#	95
89) Benzo(a)pyrene	25.02	252	122621	3.89	ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	29.00	276	102811	2.75	ng/ul	98
92) Benzo(g,h,i)perylene	30.18	276	48965	1.59	ng/ul#	91

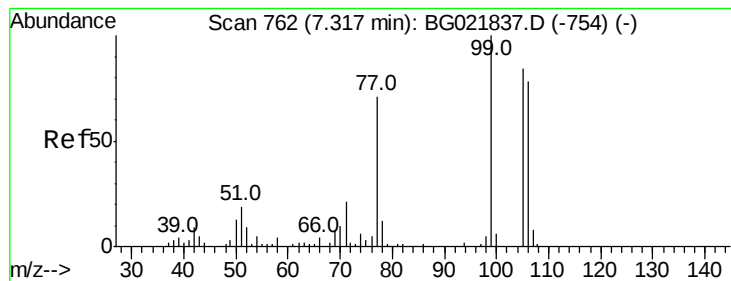
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.02 ng/ul

RT: 7.71 min Scan# 829

Delta R.T. 0.39 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

Instrument :

BNA_G

ClientSampleId :

D9X88

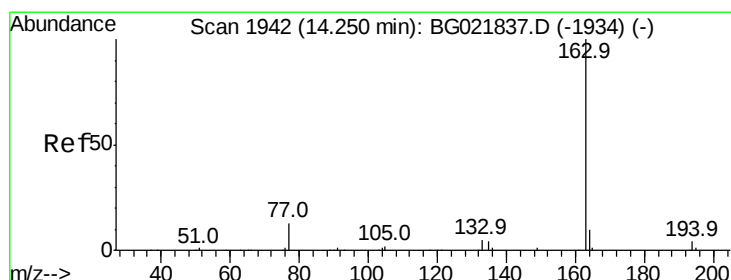
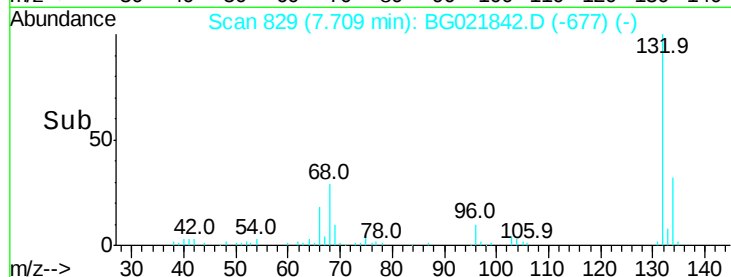
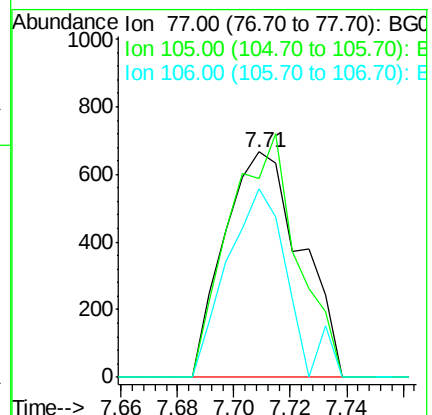
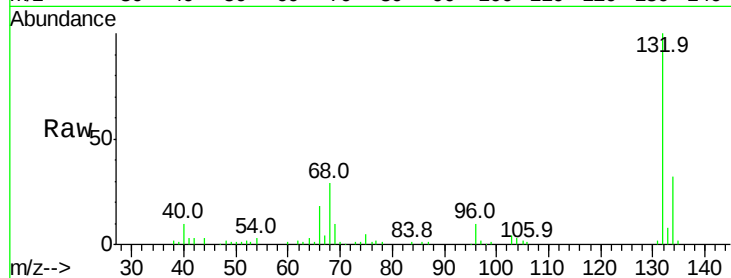
Tot Ion: 77 Resp: 1257

Ion Ratio Lower Upper

77 100

105 87.9 68.5 102.7

106 83.8 65.0 97.4



#45

Dimethylphthalate

Concen: 3.25 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

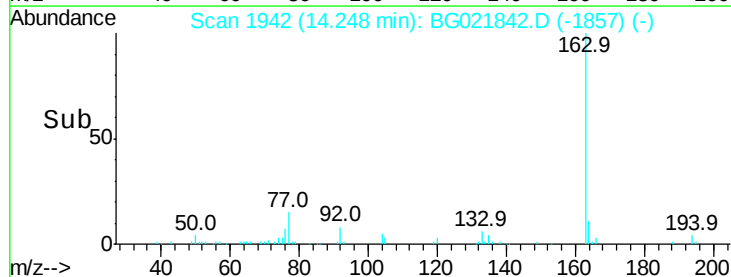
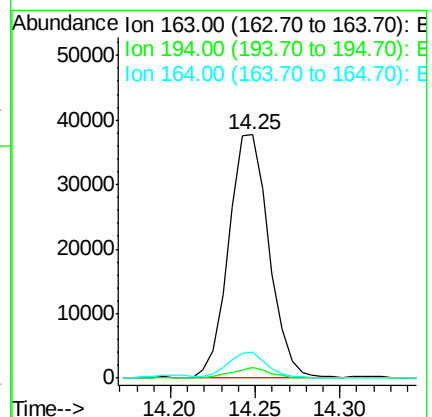
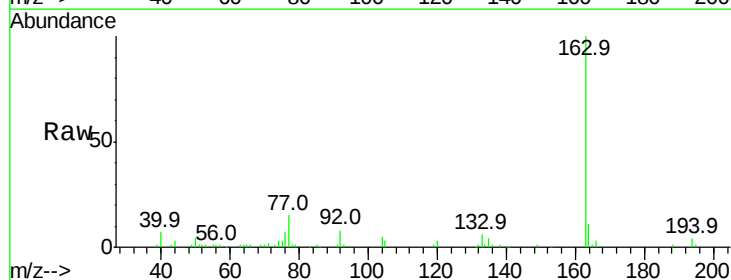
Tgt Ion: 163 Resp: 62784

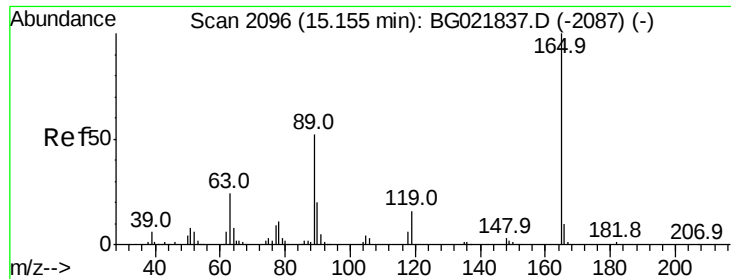
Ion Ratio Lower Upper

163 100

194 4.2 3.9 5.9

164 10.7 8.7 13.1

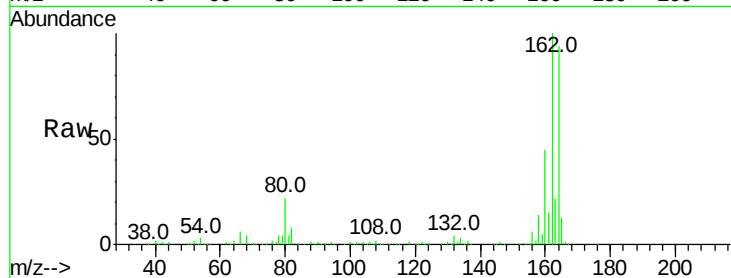




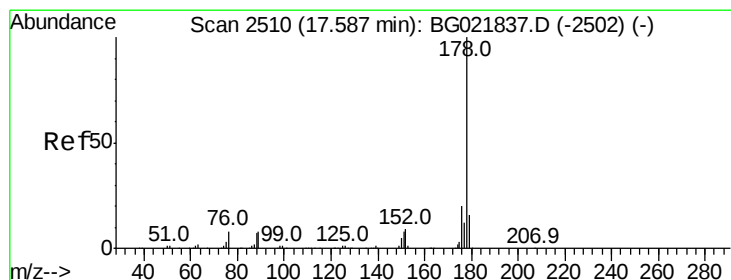
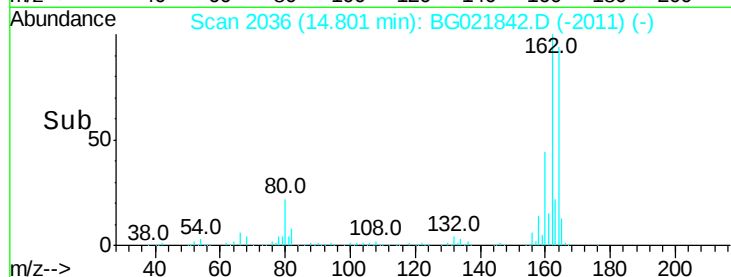
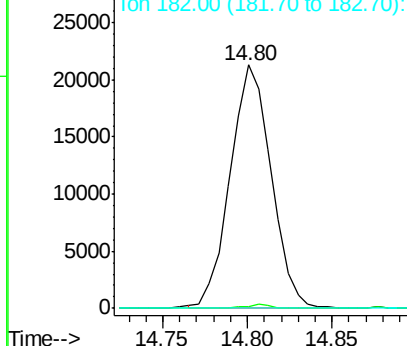
#55
 2,4-Dinitrotoluene
 Concen: 6.81 ng/ul
 RT: 14.80 min Scan# 2036
 Delta R.T. -0.35 min
 Lab File: BG021842.D
 Acq: 11 May 2016 13:40

Instrument :
 BNA_G
 ClientSampled :
 D9X88

Tot Ion:165 Resp: 35967
 Ion Ratio Lower Upper
 165 100
 63 0.8 48.1 72.1#
 182 0.0 2.2 3.2#

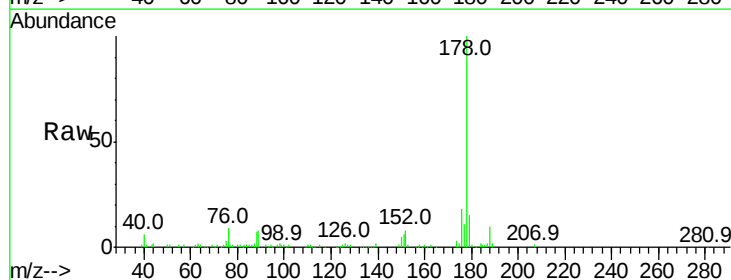


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 182.00 (181.70 to 182.70): E

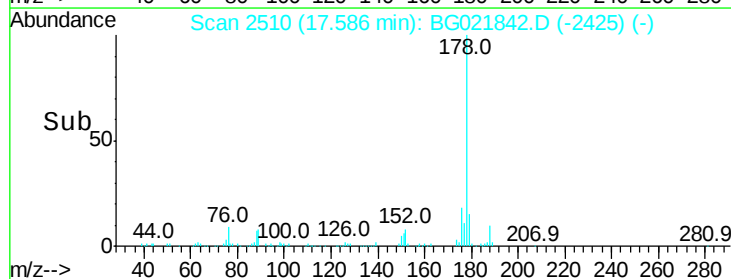
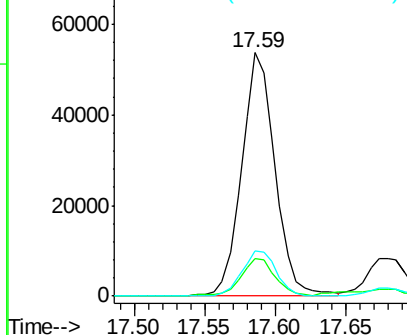


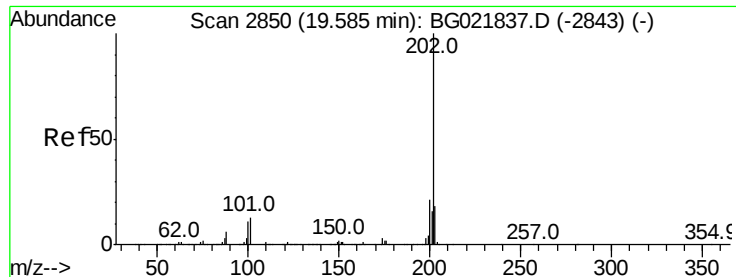
#70
 Phenanthrene
 Concen: 2.92 ng/ul
 RT: 17.59 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: BG021842.D
 Acq: 11 May 2016 13:40

Tgt Ion:178 Resp: 88818
 Ion Ratio Lower Upper
 178 100
 179 15.2 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





#75

Fluoranthene

Concen: 6.43 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

Instrument :

BNA_G

ClientSampleId :

D9X88

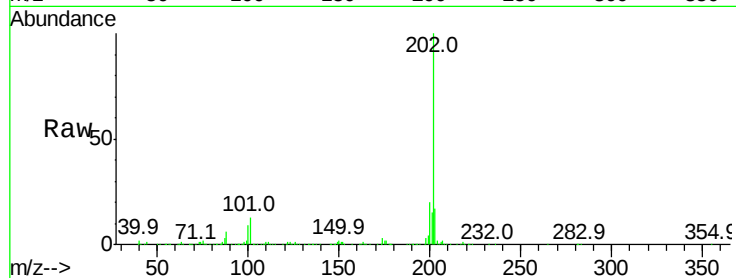
Tot Ion:202 Resp: 222206

Ion Ratio Lower Upper

202 100

101 12.9 8.9 13.3

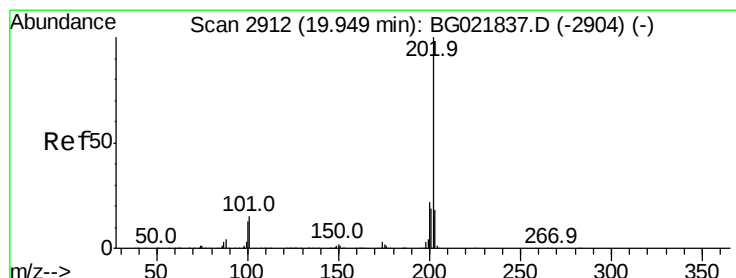
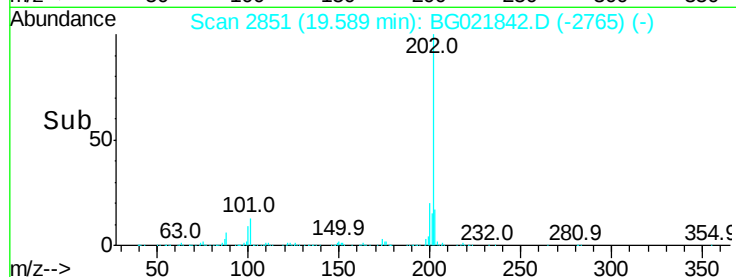
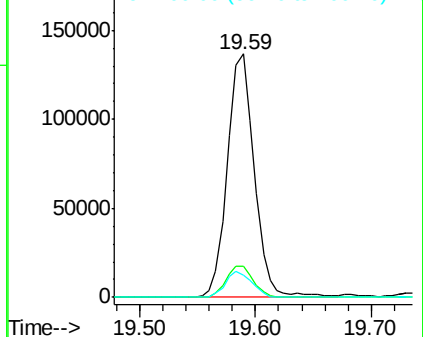
100 9.3 7.0 10.4



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: 6.88 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. -0.36 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

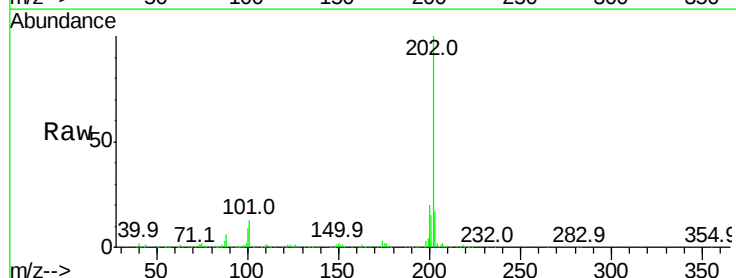
Tgt Ion:202 Resp: 222206

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

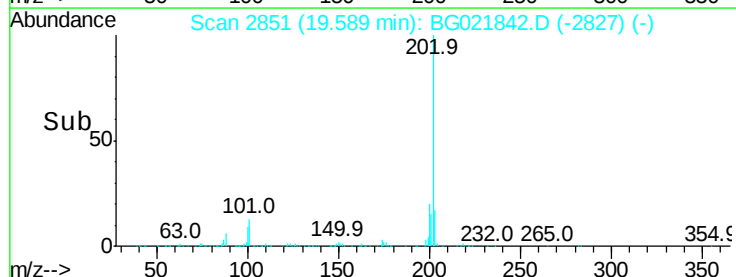
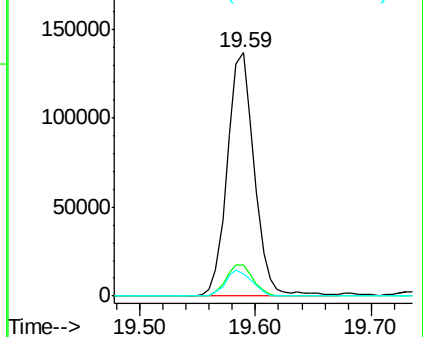
100 9.3 9.3 13.9

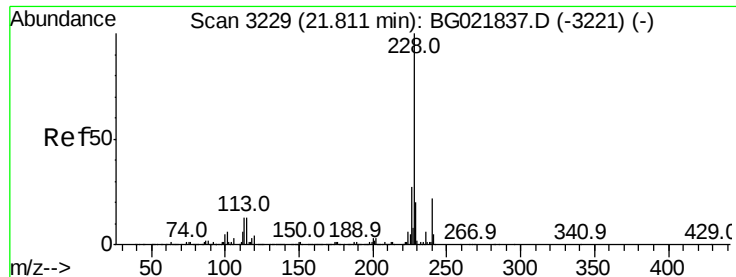


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

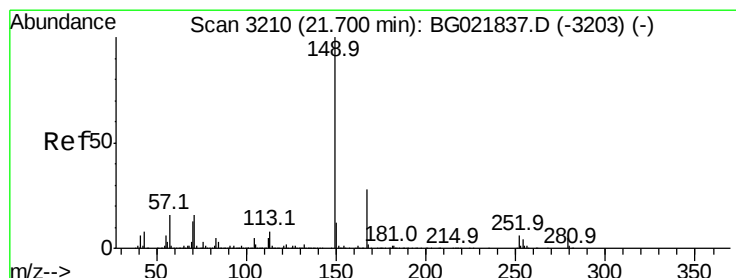
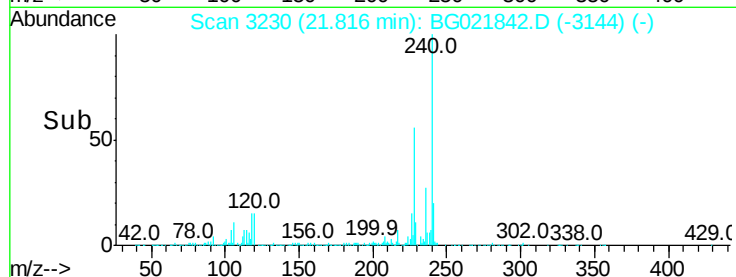
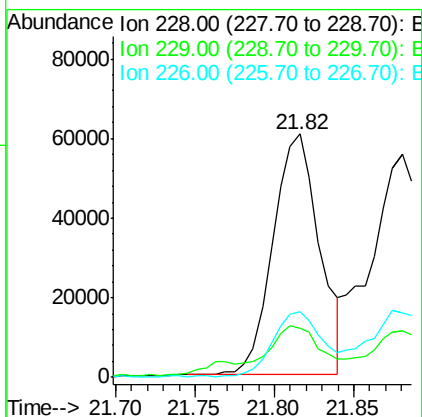
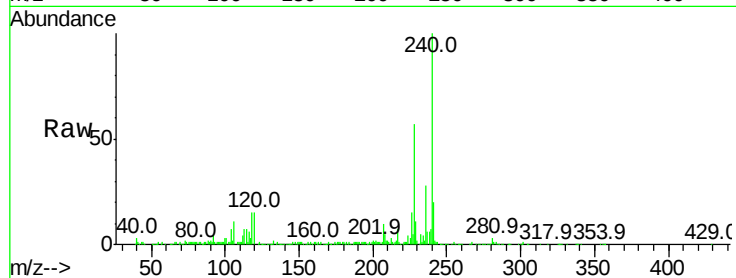




#81
Benzo(a)anthracene
Concen: 3.99 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. 0.00 min
Lab File: BG021842.D
Acq: 11 May 2016 13:40

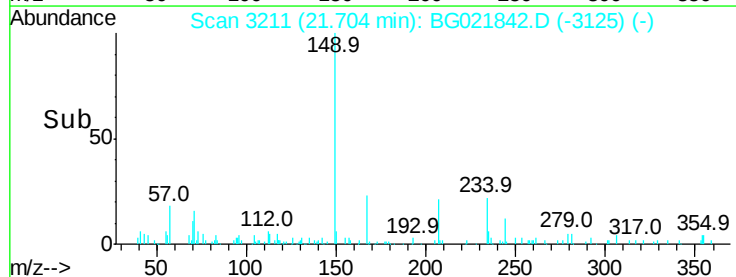
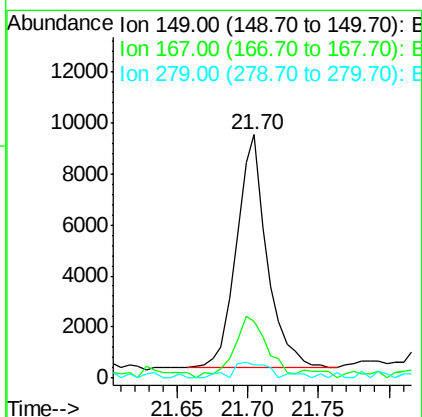
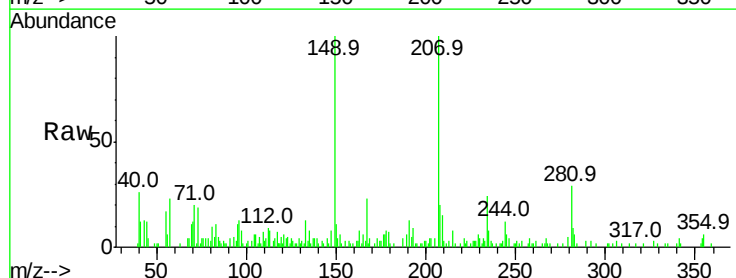
Instrument :
BNA_G
ClientSampleId :
D9X88

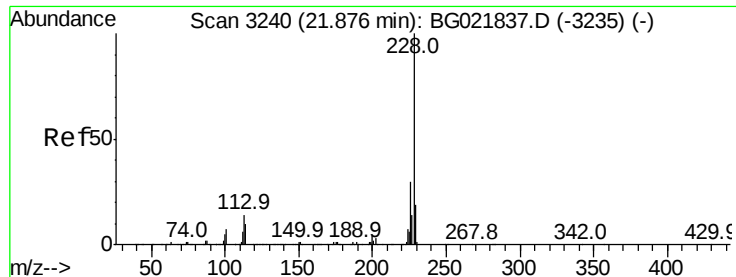
Tot Ion:228 Resp: 123908
Ion Ratio Lower Upper
228 100
229 20.2 16.6 25.0
226 26.8 21.0 31.4



#82
Bis(2-ethylhexyl)phthalate
Concen: 1.18 ng/ul
RT: 21.70 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BG021842.D
Acq: 11 May 2016 13:40

Tgt Ion:149 Resp: 13777
Ion Ratio Lower Upper
149 100
167 23.3 20.5 30.7
279 5.2 3.7 5.5





#83

Chrysene

Concen: 3.74 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

Instrument :

BNA_G

ClientSampleId :

D9X88

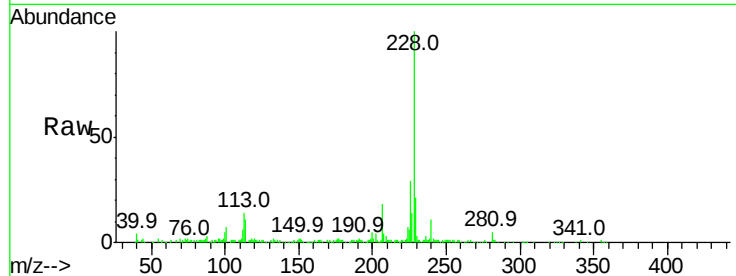
Tot Ion:228 Resp: 115014

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

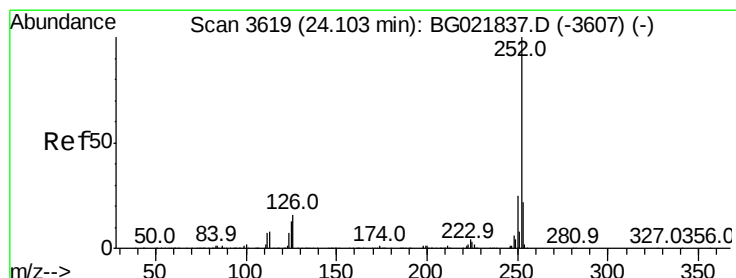
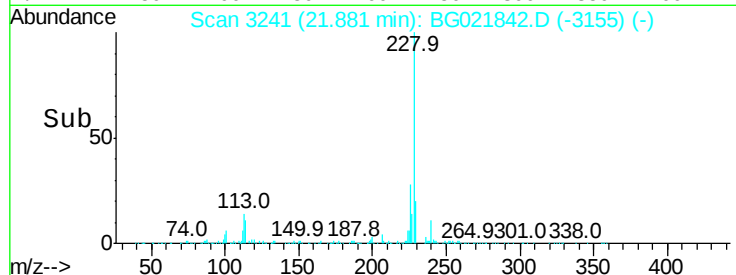
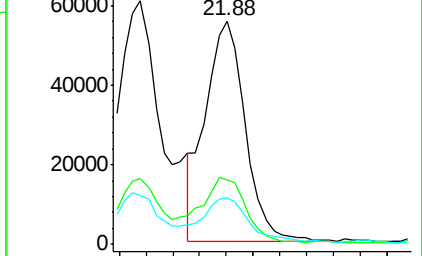
229 21.1 16.2 24.2



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: 6.42 ng/ul

RT: 24.11 min Scan# 3620

Delta R.T. 0.00 min

Lab File: BG021842.D

Acq: 11 May 2016 13:40

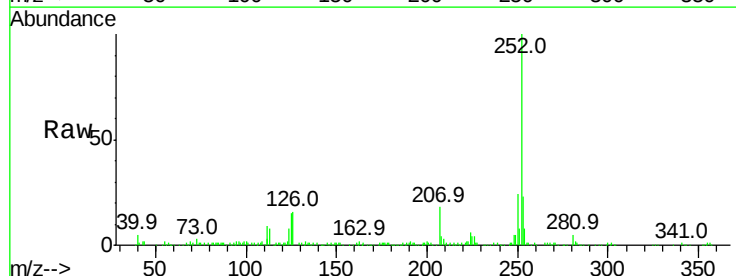
Tgt Ion:252 Resp: 203197

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

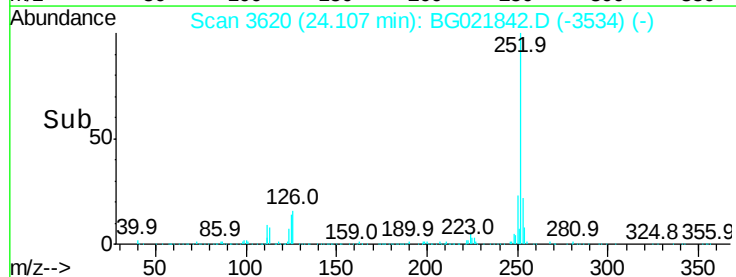
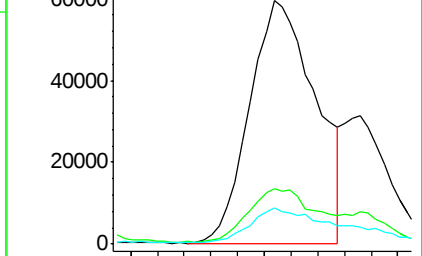
125 14.9 7.6 11.4#

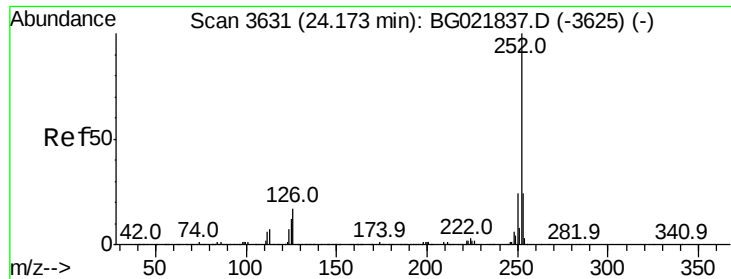


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

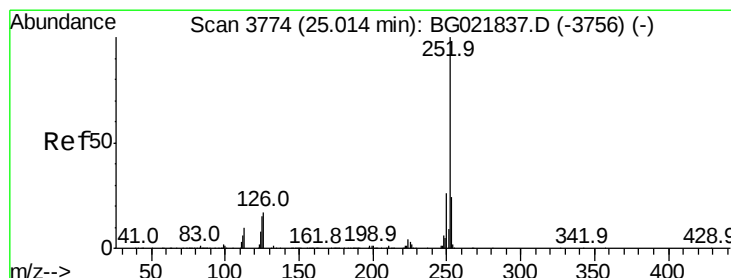
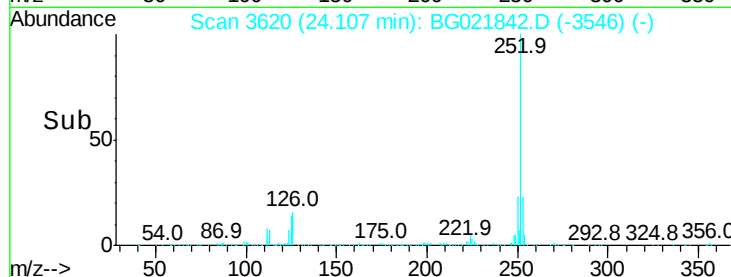
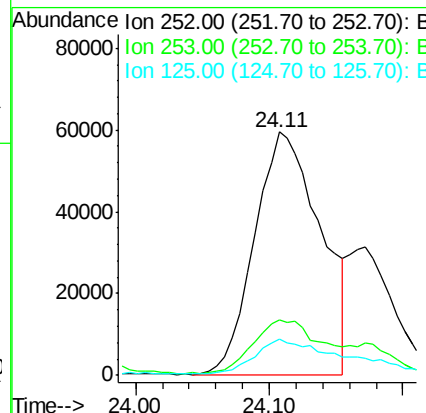
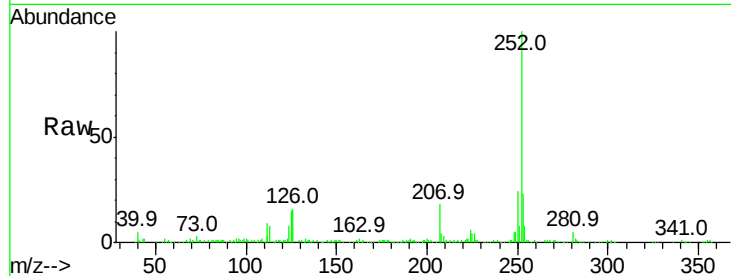




#87
Benzo(k)fluoranthene
Concen: 5.99 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. -0.07 min
Lab File: BG021842.D
Acq: 11 May 2016 13:40

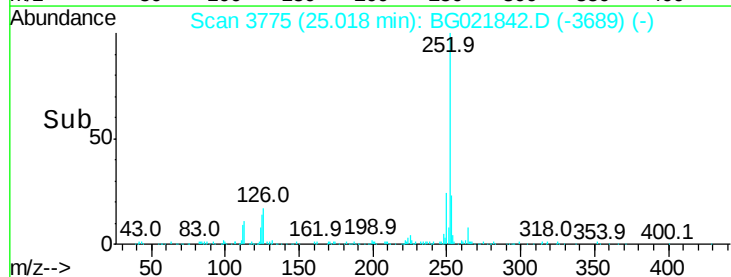
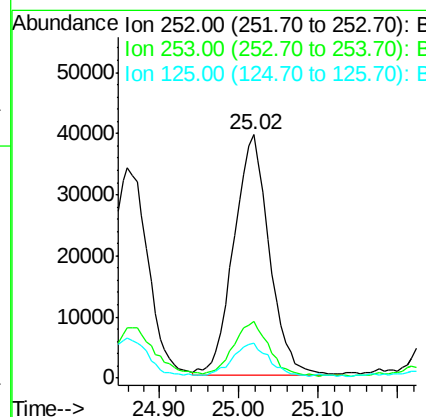
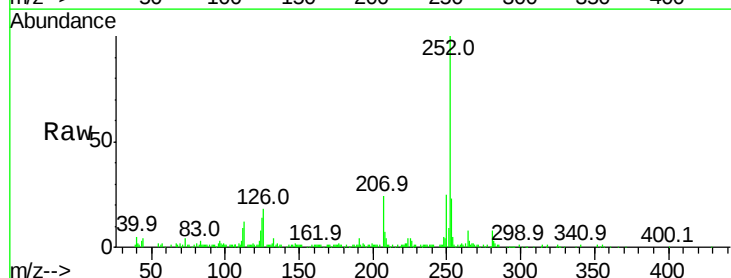
Instrument :
BNA_G
ClientSampleId :
D9X88

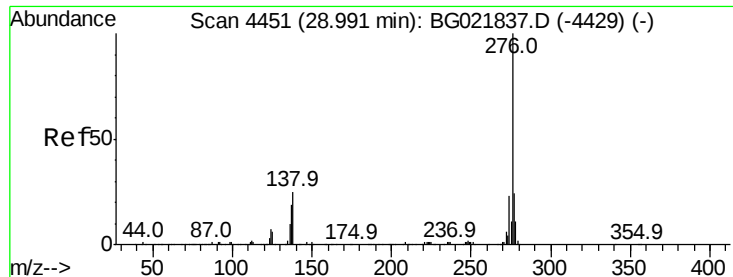
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.9	7.7	11.5



#89
Benzo(a)pyrene
Concen: 3.89 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. 0.00 min
Lab File: BG021842.D
Acq: 11 May 2016 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	14.3	8.2	12.2

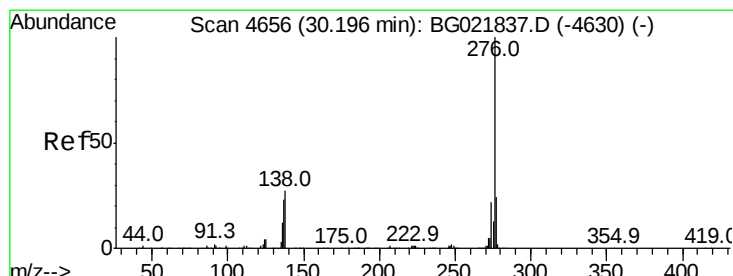
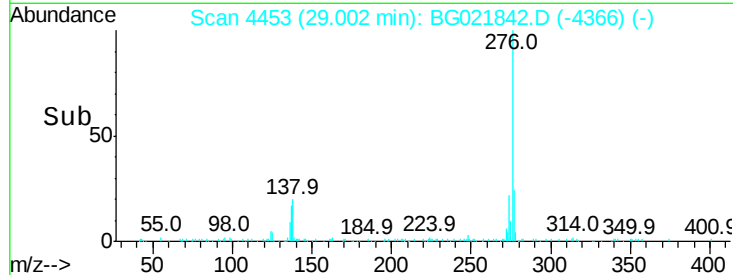
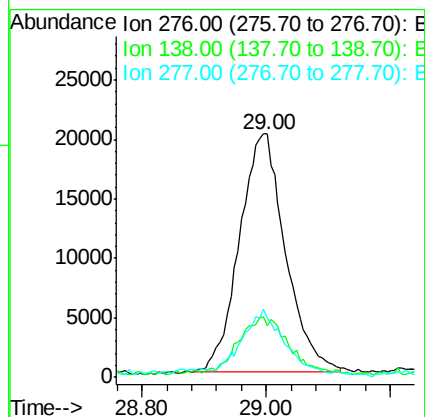
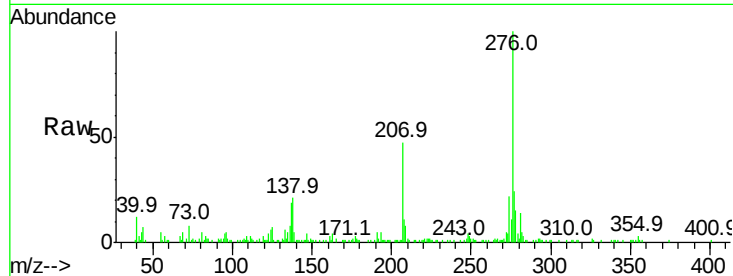




#90
 Indeno(1,2,3-cd)pyrene
 Concen: 2.75 ng/ul
 RT: 29.00 min Scan# 4453
 Delta R.T. 0.01 min
 Lab File: BG021842.D
 Acq: 11 May 2016 13:40

Instrument :
 BNA_G
 ClientSampleId :
 D9X88

Tot Ion:276 Resp: 102811
 Ion Ratio Lower Upper
 276 100
 138 21.4 15.8 23.6
 277 24.2 19.0 28.6



#92
 Benzo(g,h,i)perylene
 Concen: 1.59 ng/ul
 RT: 30.18 min Scan# 4653
 Delta R.T. -0.02 min
 Lab File: BG021842.D
 Acq: 11 May 2016 13:40

Tgt Ion:276 Resp: 48965
 Ion Ratio Lower Upper
 276 100
 138 27.2 13.9 20.9#
 277 24.7 19.8 29.6

