

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021923.D
 Acq On : 17 May 2016 2:05
 Operator : UM/SJ
 Sample : H3095-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF2

Quant Time: May 17 04:19:26 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	70275	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	333686	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.79	164	192577	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	394470	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	377920	20.00	ng/ul	0.01
84) Perylene-d12	25.18	264	355940	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3047	2.09	ng/uL	0.00
5) Phenol-d5	7.33	99	70530	13.53	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	32627	12.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	67732	16.73	ng/ul	0.01
13) 4-Methylphenol-d8	8.87	113	46467	10.61	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	33528	15.28	ng/ul	0.01
22) 2-Nitrophenol-d4	10.06	143	36780	26.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	69005	17.61	ng/ul	0.01
29) 4-Chloroaniline-d4	11.24	131	329	0.08	ng/ul	0.12
44) Dimethylphthalate-d6	14.19	166	223179	16.50	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	301435	15.70	ng/ul	0.01
52) 4-Nitrophenol-d4	15.00	143	27774	11.98	ng/ul	0.02
58) Fluorene-d10	15.79	176	207452	14.57	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.91	200	15827	14.48	ng/ul	0.01
71) Anthracene-d10	17.64	188	285506	14.87	ng/ul	0.00
77) Pyrene-d10	19.92	212	299514	16.93	ng/ul	0.01
88) Benzo(a)pyrene-d12	24.94	264	270322	15.98	ng/ul	0.02

Target Compounds

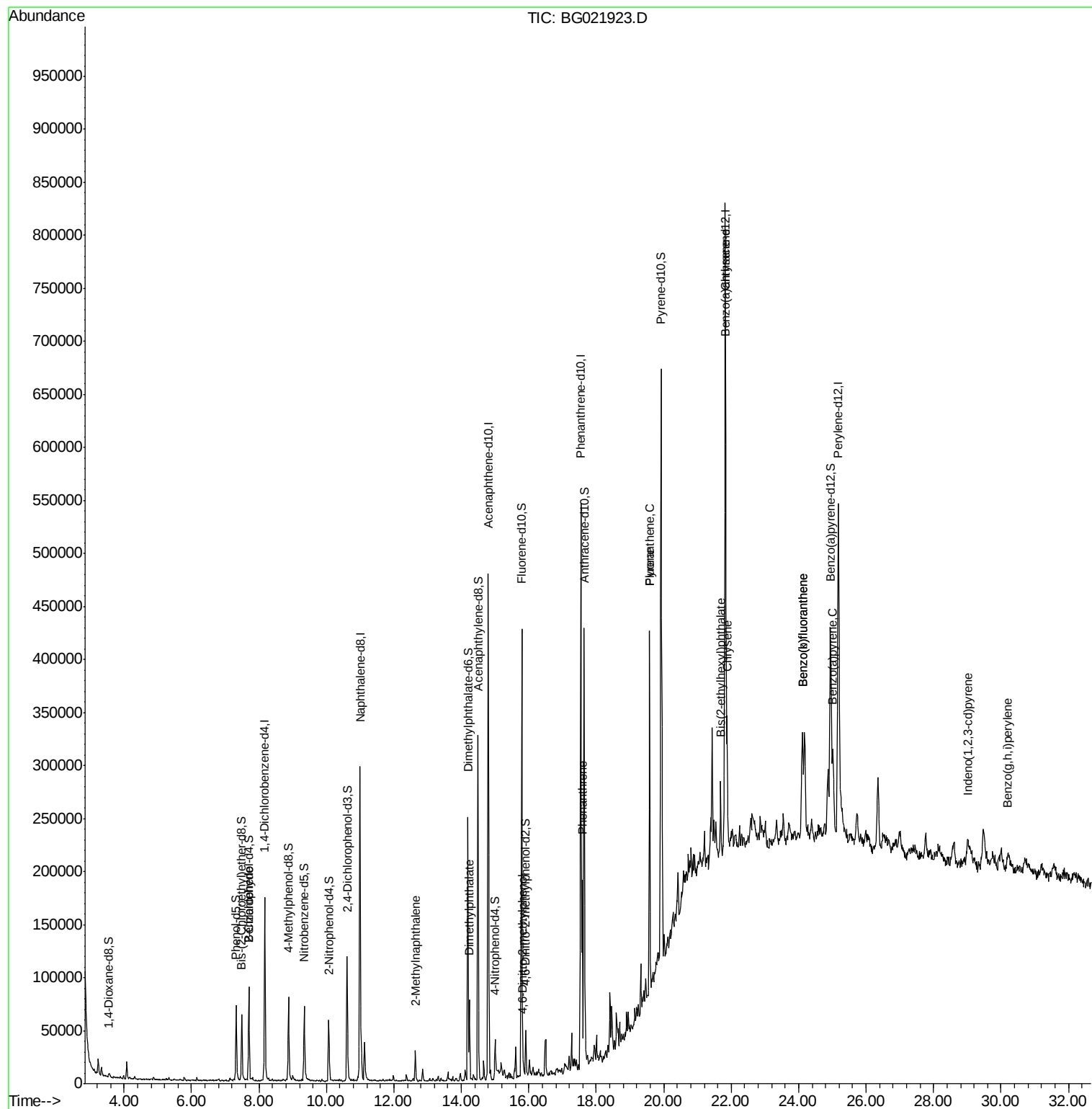
						Ovalue
4) Benzaldehyde	7.70	77	787	1.39	ng/ul	90
34) 2-Methylnaphthalene	12.63	142	19611	1.59	ng/ul	100
45) Dimethylphthalate	14.24	163	62752	4.55	ng/ul	98
64) 4,6-Dinitro-2-methylphenol	15.83	198	1497	1.26	ng/ul#	85
70) Phenanthrene	17.59	178	127780	5.93	ng/ul	99
75) Fluoranthene	19.58	202	232329	9.48	ng/ul	97
78) Pyrene	19.58	202	232329	10.63	ng/ul	98
81) Benzo(a)anthracene	21.81	228	98299	4.67	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	35022	4.44	ng/ul#	92
83) Chrysene	21.87	228	98582	4.74	ng/ul	94
86) Benzo(b)fluoranthene	24.11	252	135827	6.67	ng/ul#	93
87) Benzo(k)fluoranthene	24.11	252	135827	6.23	ng/ul#	93
89) Benzo(a)pyrene	25.02	252	79869	3.94	ng/ul#	88
90) Indeno(1,2,3-cd)pyrene	29.01	276	25988	1.08	ng/ul#	90
92) Benzo(g,h,i)perylene	30.21	276	23579	1.19	ng/ul#	89

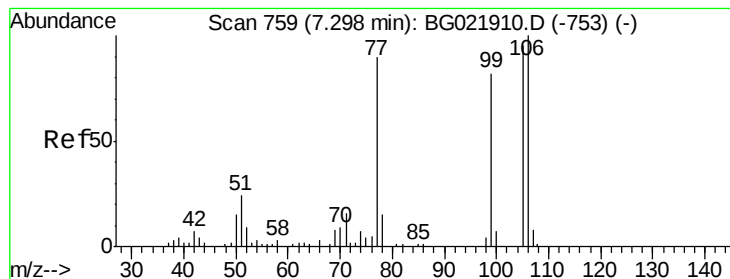
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.39 ng/ul

RT: 7.70 min Scan# 828

Delta R.T. 0.41 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

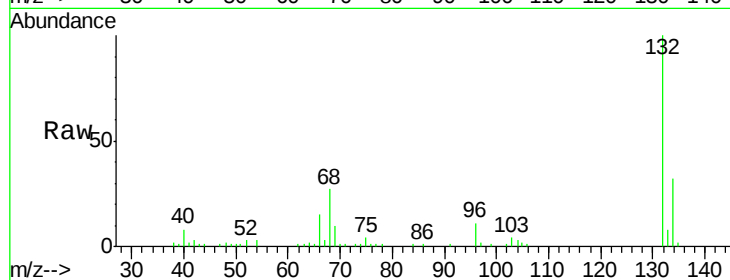
Tot Ion: 77 Resp: 787

Ion Ratio Lower Upper

77 100

105 102.6 68.5 102.7

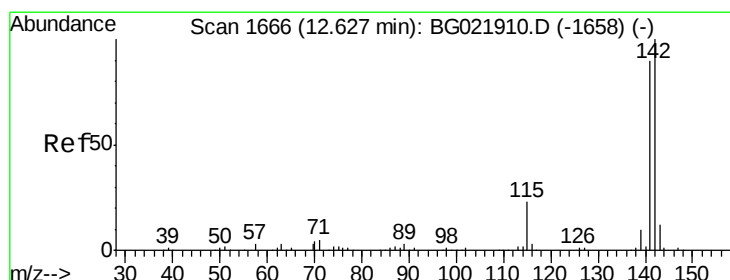
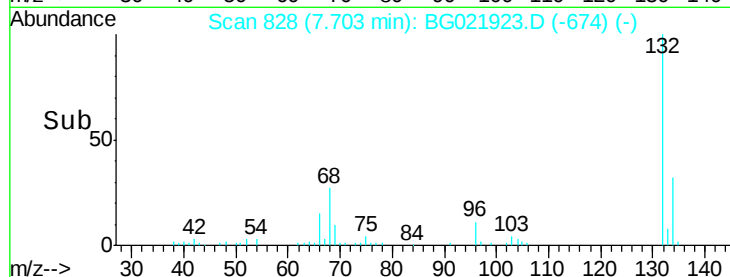
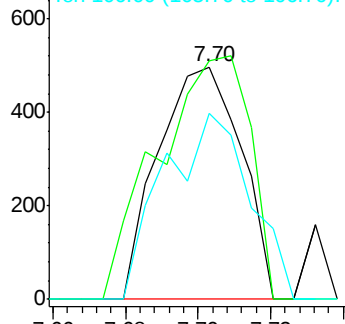
106 80.1 65.0 97.4



Abundance Ion 77.00 (76.70 to 77.70): BG021910.D (-753) (-)

Ion 105.00 (104.70 to 105.70): BG021910.D (-753) (-)

Ion 106.00 (105.70 to 106.70): BG021910.D (-753) (-)



#34

2-Methylnaphthalene

Concen: 1.59 ng/ul

RT: 12.63 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BG021923.D

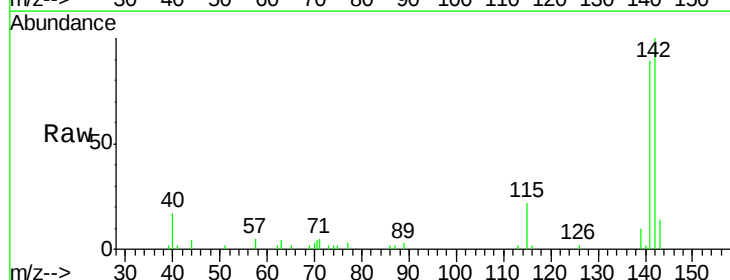
Acq: 17 May 2016 2:05

Tgt Ion: 142 Resp: 19611

Ion Ratio Lower Upper

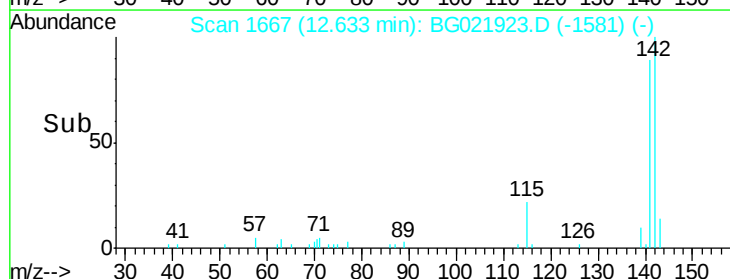
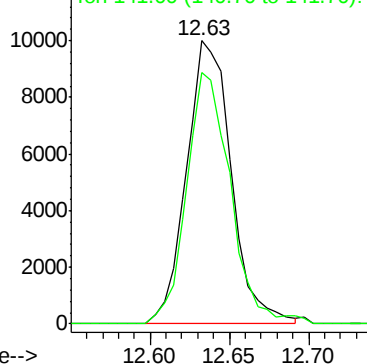
142 100

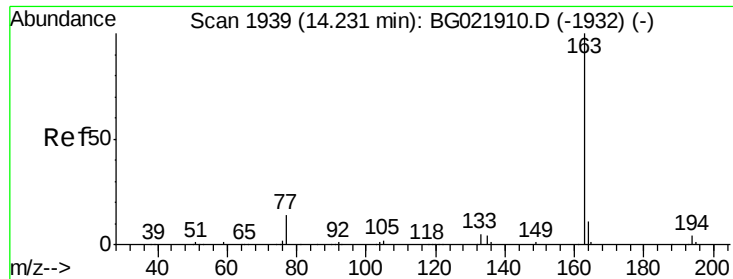
141 89.0 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): BG021910.D (-1658) (-)

Ion 141.00 (140.70 to 141.70): BG021910.D (-1658) (-)

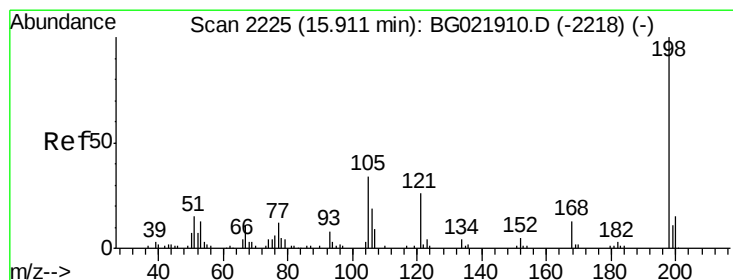
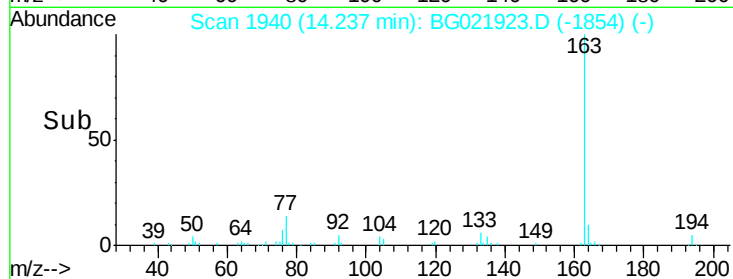
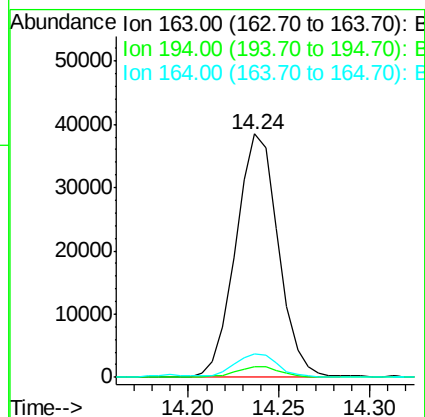
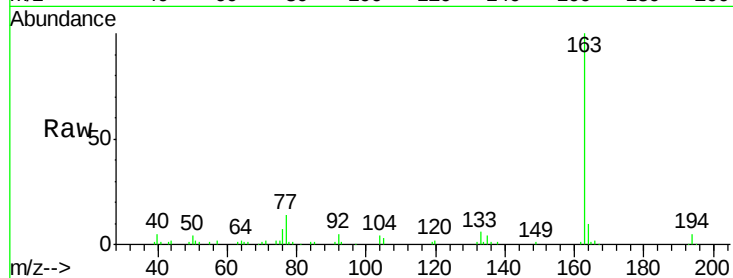




#45
Dimethylphthalate
Concen: 4.55 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG021923.D
Acq: 17 May 2016 2:05

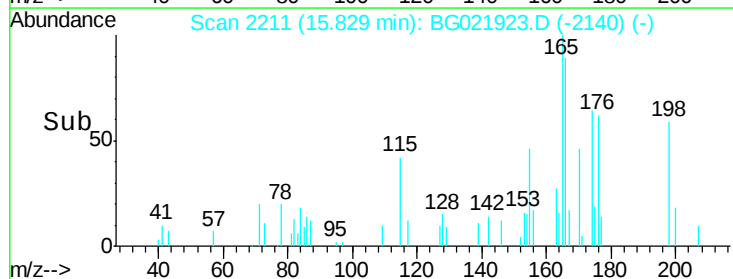
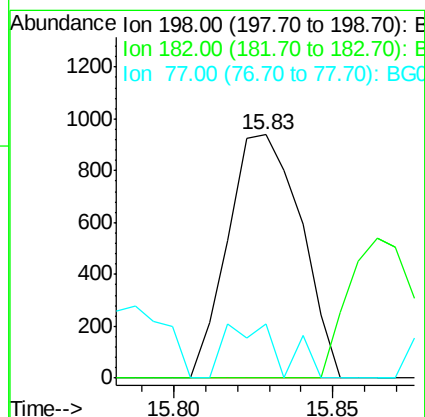
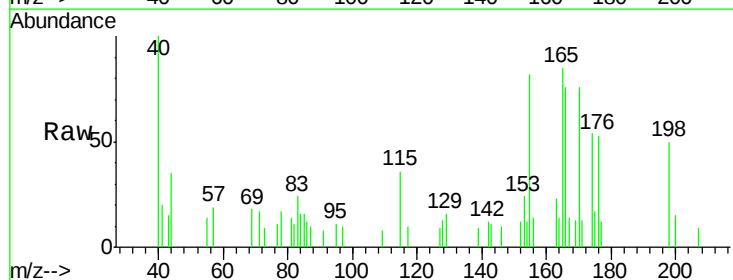
Instrument :
BNA_G
ClientSampleId :
D9XF2

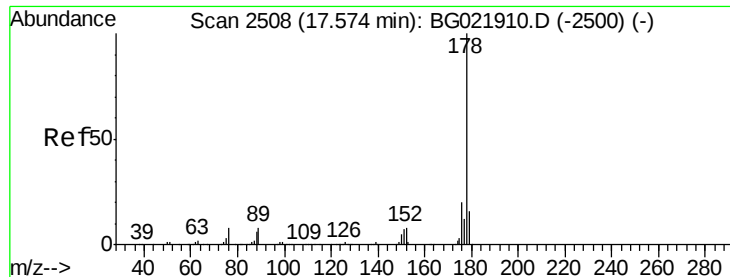
Tot Ion:163 Resp: 62752
Ion Ratio Lower Upper
163 100
194 4.6 3.9 5.9
164 9.9 8.7 13.1



#64
4,6-Dinitro-2-methylphenol
Concen: 1.26 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. -0.08 min
Lab File: BG021923.D
Acq: 17 May 2016 2:05

Tgt Ion:198 Resp: 1497
Ion Ratio Lower Upper
198 100
182 0.0 3.8 5.8#
77 22.3 24.2 36.4#





#70

Phenanthrene

Concen: 5.93 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.01 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

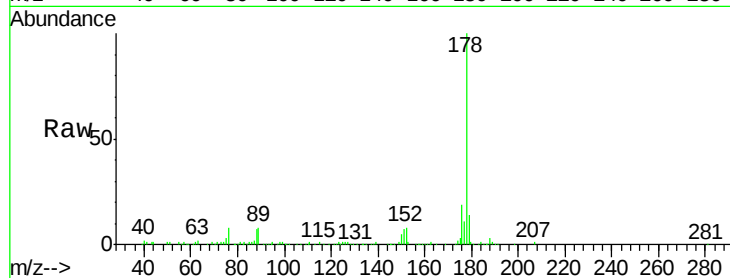
Tot Ion:178 Resp: 127780

Ion Ratio Lower Upper

178 100

179 14.4 11.8 17.8

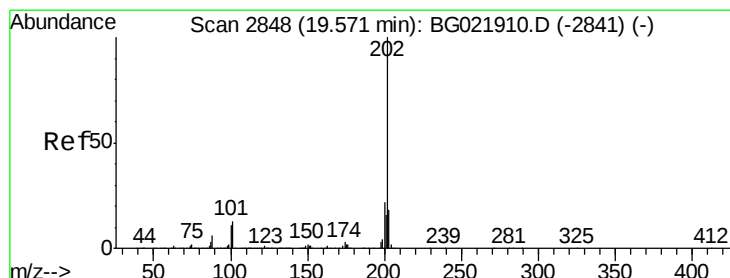
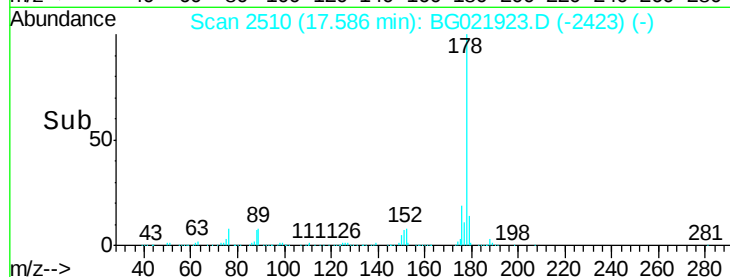
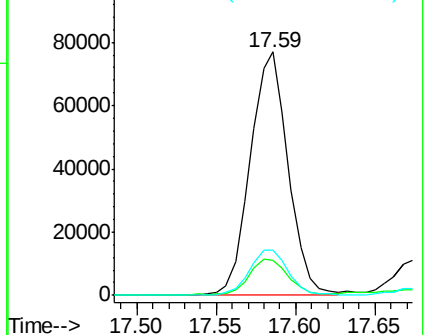
176 18.8 14.8 22.2



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: 9.48 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

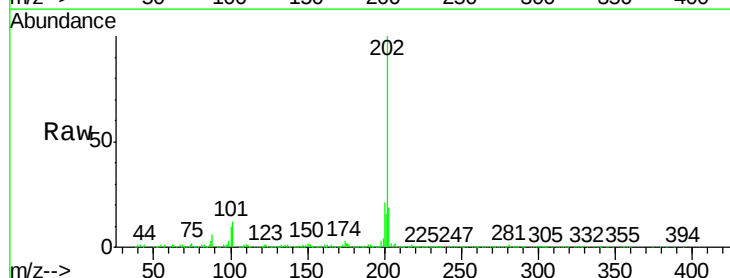
Tgt Ion:202 Resp: 232329

Ion Ratio Lower Upper

202 100

101 12.3 8.9 13.3

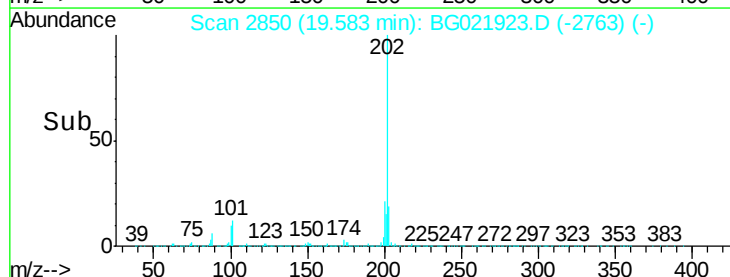
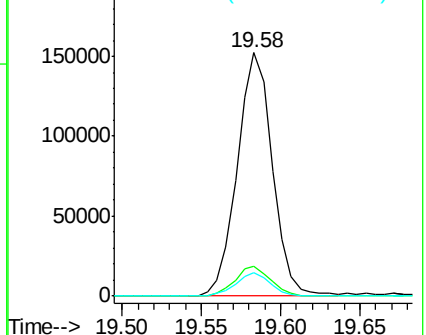
100 9.8 7.0 10.4

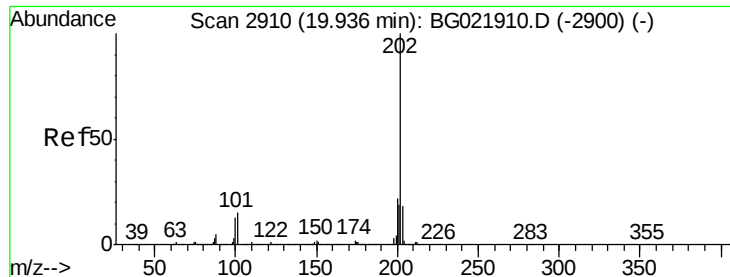


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Pvrene

Concen: 10.63 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.35 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

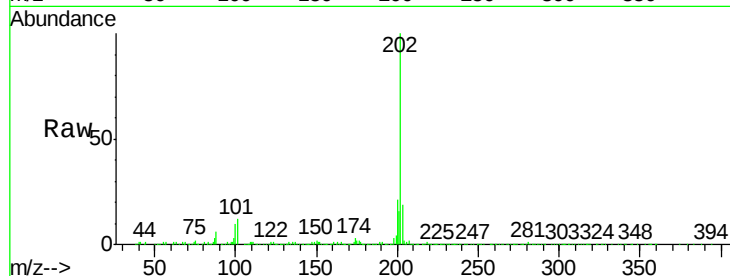
Tot Ion:202 Resp: 232329

Ion Ratio Lower Upper

202 100

101 12.3 9.8 14.8

100 9.8 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

19.58

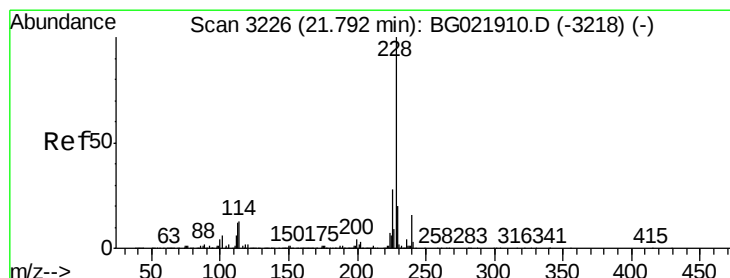
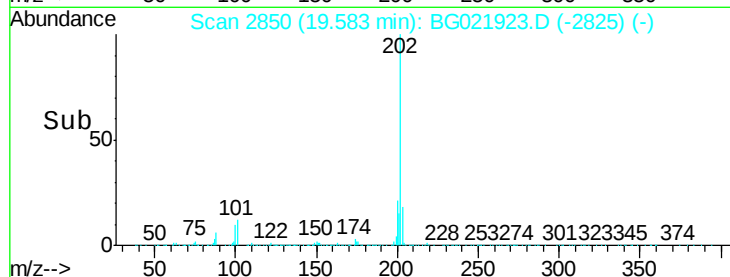
150000

100000

50000

0

Time--> 19.50 19.55 19.60 19.65



#81

Benzo(a)anthracene

Concen: 4.67 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.02 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

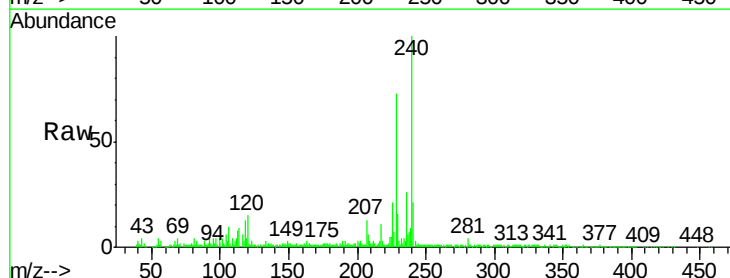
Tgt Ion:228 Resp: 98299

Ion Ratio Lower Upper

228 100

229 21.6 16.6 25.0

226 28.5 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

21.81

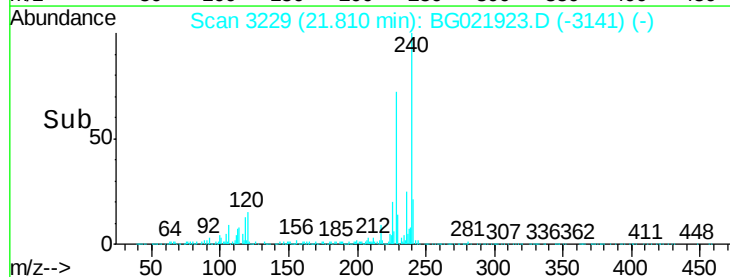
60000

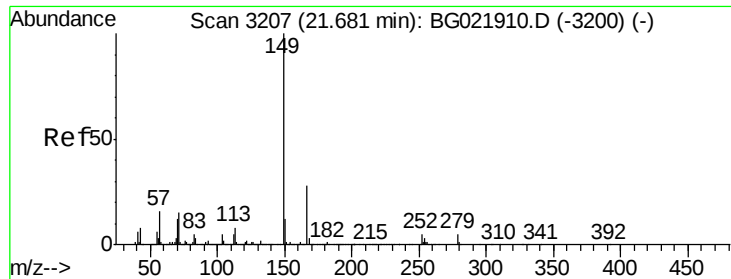
40000

20000

0

Time--> 21.75 21.80 21.85





#82

Bis(2-ethylhexyl)phthalate

Concen: 4.44 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

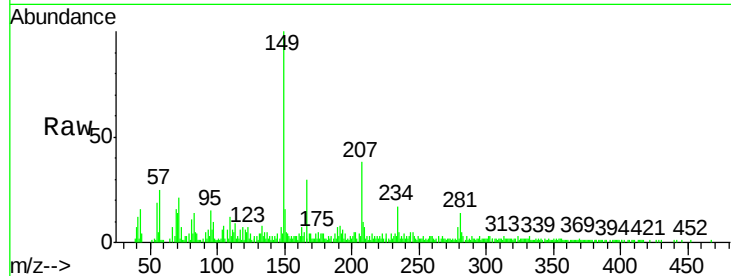
Tot Ion:149 Resp: 35022

Ion Ratio Lower Upper

149 100

167 29.6 20.5 30.7

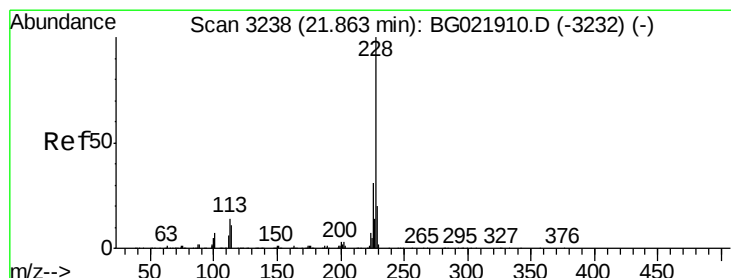
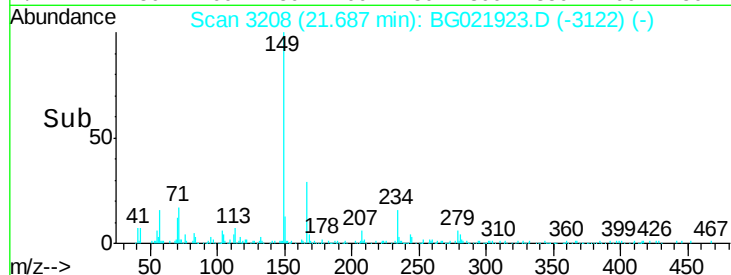
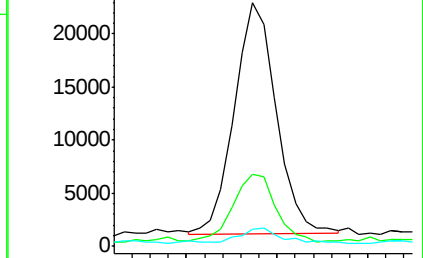
279 6.8 3.7 5.5#



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: 4.74 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

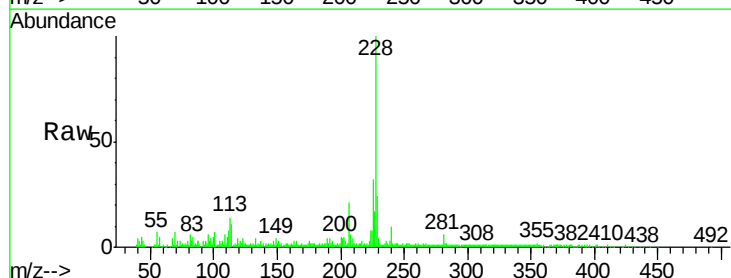
Tgt Ion:228 Resp: 98582

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

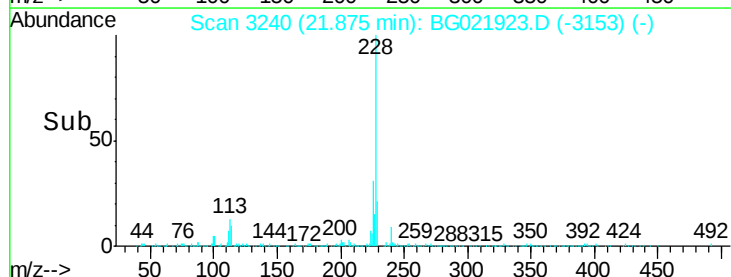
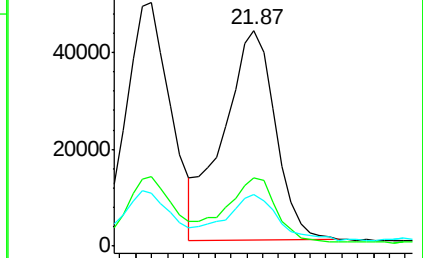
229 23.7 16.2 24.2

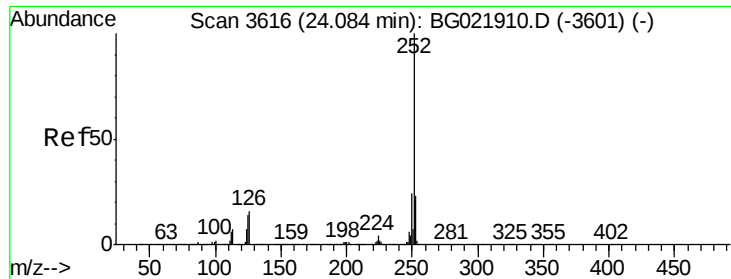


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

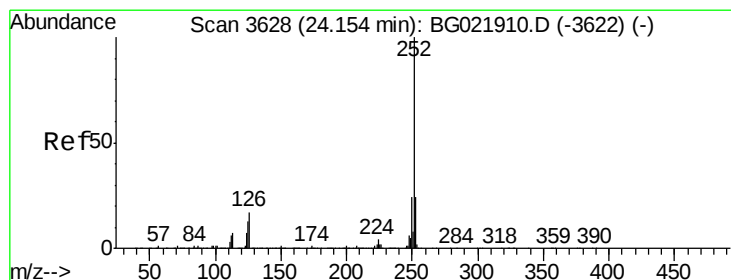
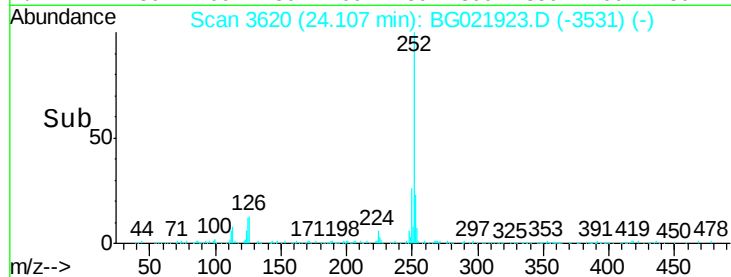
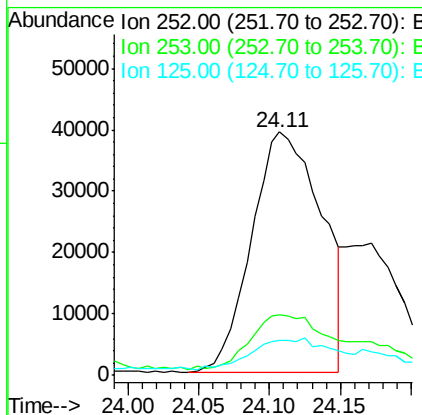
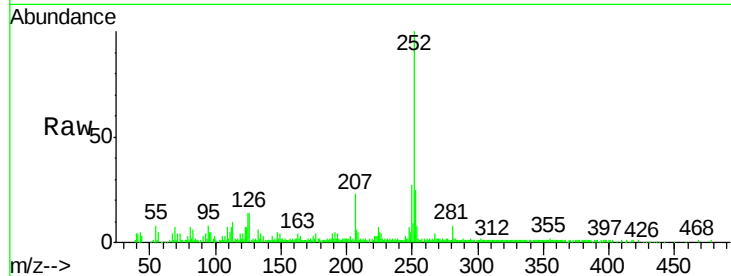




#86
Benzo(b)fluoranthene
Concen: 6.67 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. 0.02 min
Lab File: BG021923.D
Acq: 17 May 2016 2:05

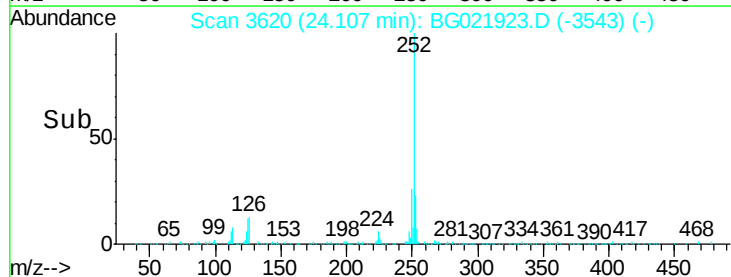
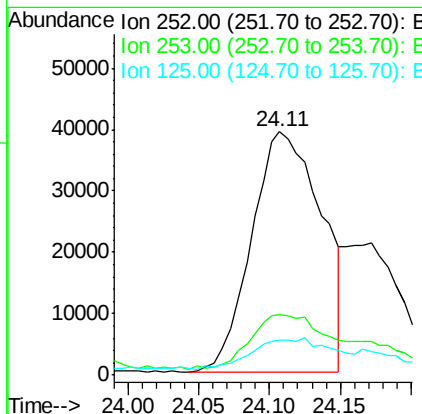
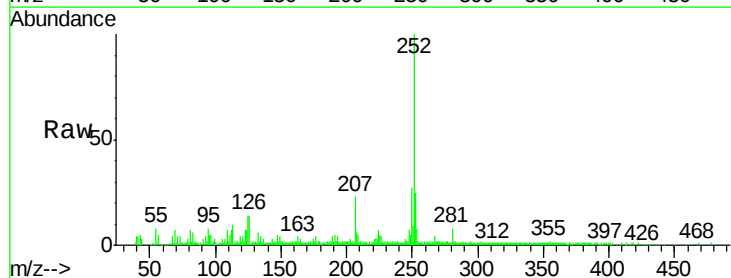
Instrument :
BNA_G
ClientSampled :
D9XF2

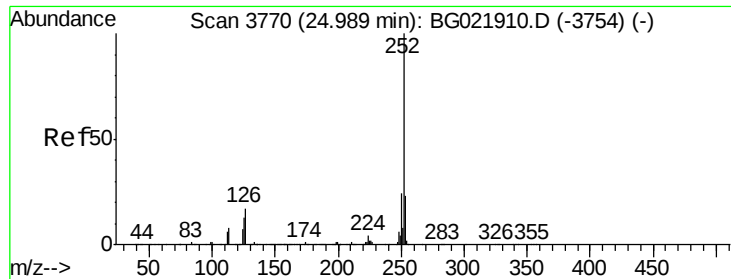
Tot Ion:252 Resp: 135827
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 14.4 7.6 11.4#



#87
Benzo(k)fluoranthene
Concen: 6.23 ng/ul
RT: 24.11 min Scan# 3620
Delta R.T. -0.05 min
Lab File: BG021923.D
Acq: 17 May 2016 2:05

Tgt Ion:252 Resp: 135827
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 14.4 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 3.94 ng/ul

RT: 25.02 min Scan# 3775

Delta R.T. 0.03 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

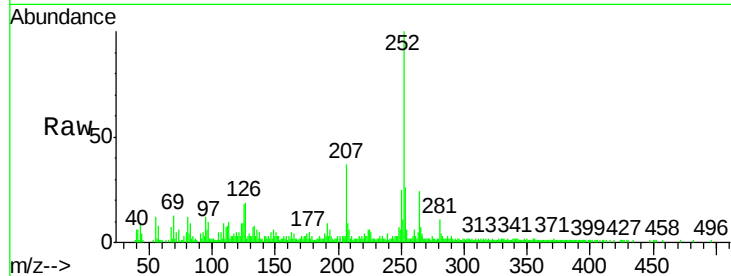
Tot Ion:252 Resp: 79869

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

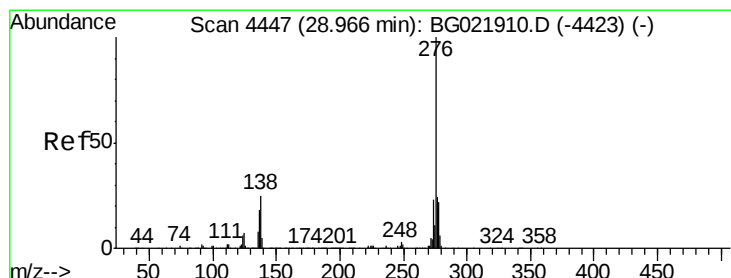
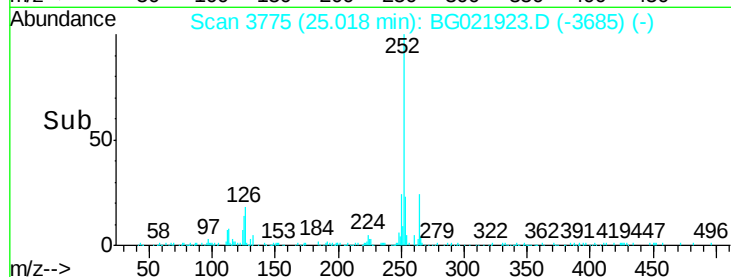
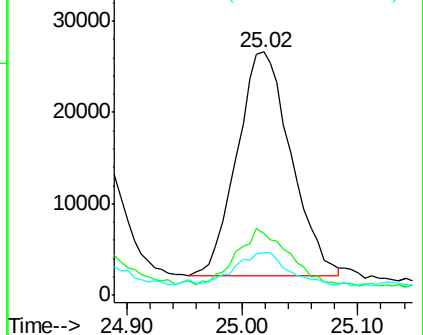
125 17.6 8.2 12.2#



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: 1.08 ng/ul

RT: 29.01 min Scan# 4455

Delta R.T. 0.05 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

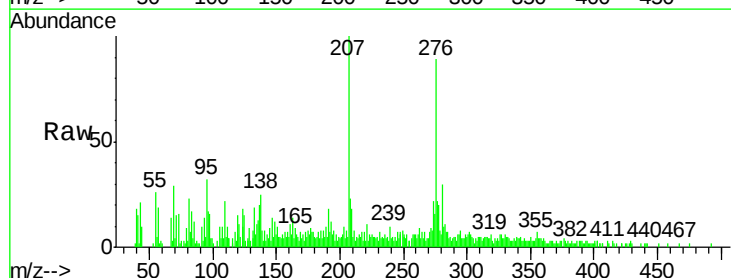
Tgt Ion:276 Resp: 25988

Ion Ratio Lower Upper

276 100

138 28.4 15.8 23.6#

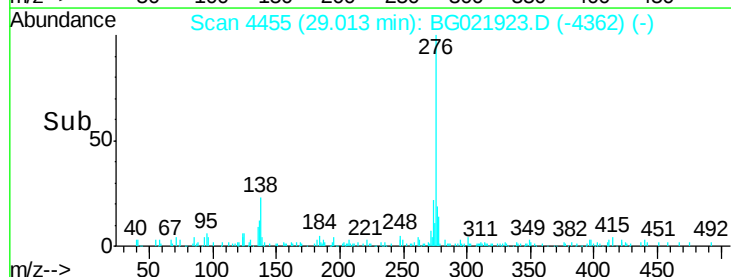
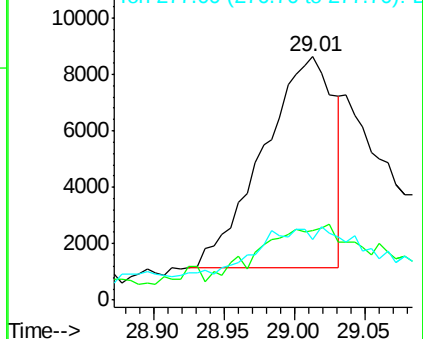
277 25.1 19.0 28.6

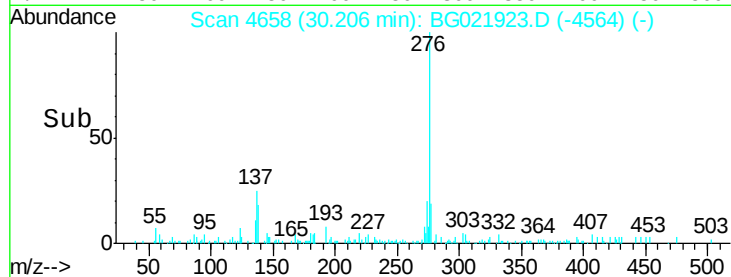
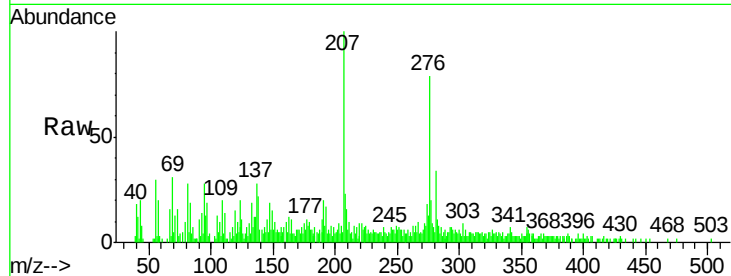
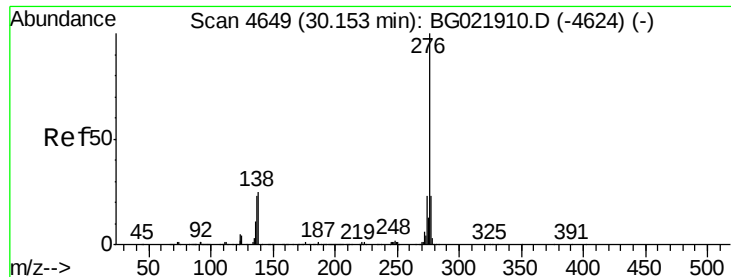


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Benzo(a,h,i)perylene

Concen: 1.19 ng/ul

RT: 30.21 min Scan# 4658

Delta R.T. 0.05 min

Lab File: BG021923.D

Acq: 17 May 2016 2:05

Instrument :

BNA_G

ClientSampleId :

D9XF2

Tot Ion:276 Resp: 23579

Ion Ratio Lower Upper

276 100

138 27.3 13.9 20.9#

277 25.7 19.8 29.6

