

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051016\
 Data File : BG021821.D
 Acq On : 10 May 2016 18:02
 Operator : UM/SJ
 Sample : H2938-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XA9

Quant Time: May 11 03:32:05 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	67421	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	369346	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	219122	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	470751	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	498882	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	482287	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	6127	4.39	ng/uL	0.00
5) Phenol-d5	7.33	99	121467	24.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	60261	24.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	110439	28.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	89754	21.36	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	58267	24.00	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	53802	35.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	109630	25.28	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	85889	18.38	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	390760	25.39	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	526356	24.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	37680	14.28	ng/ul	0.00
58) Fluorene-d10	15.79	176	365266	22.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	39180	30.05	ng/ul	0.00
71) Anthracene-d10	17.64	188	525582	22.94	ng/ul	0.00
77) Pyrene-d10	19.92	212	607870	26.03	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	560440	24.46	ng/ul	0.00

Target Compounds

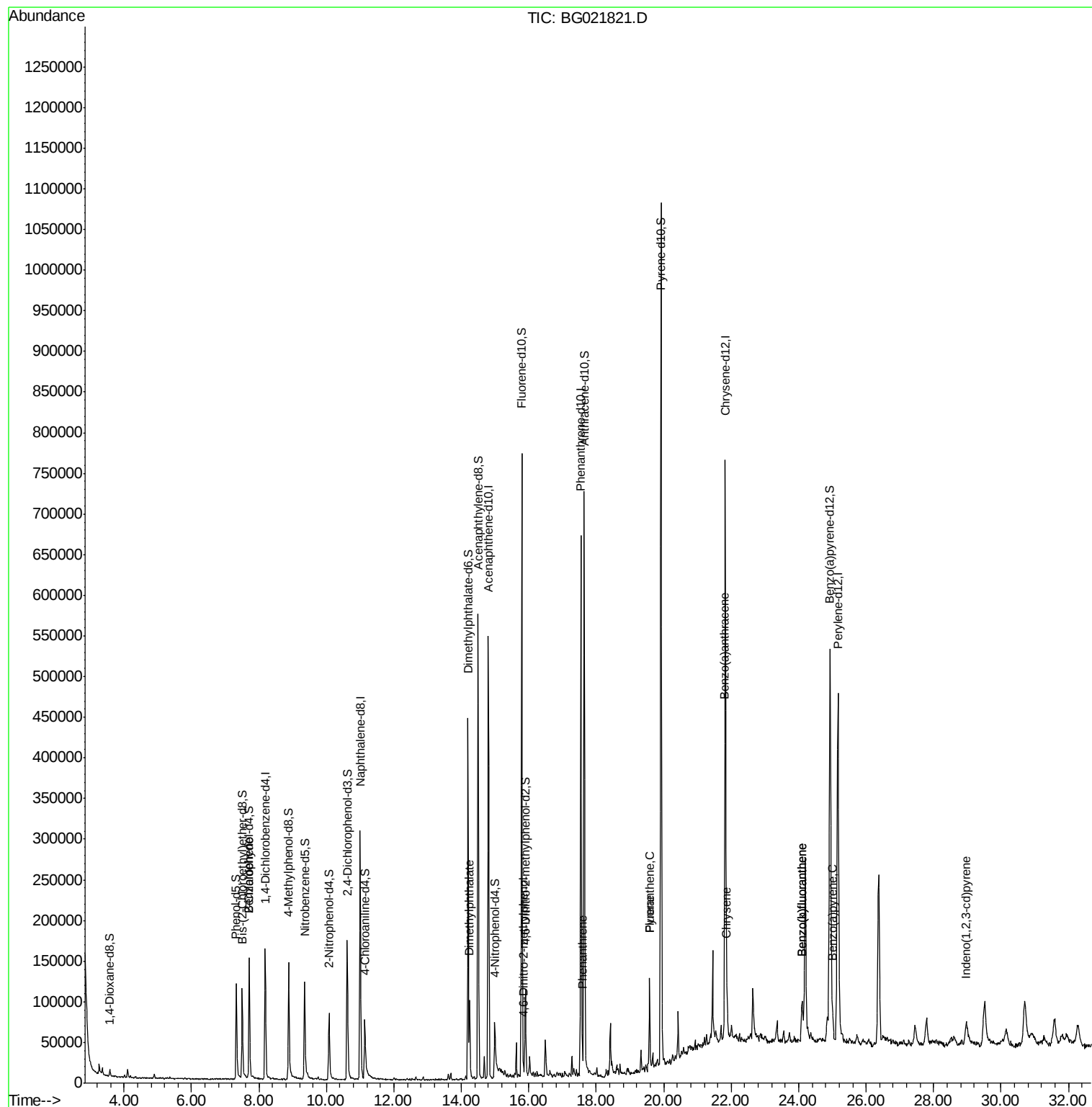
						Qvalue
4) Benzaldehyde	7.71	77	1678	3.09	ng/ul	85
45) Dimethylphthalate	14.24	163	82005	5.23	ng/ul#	99
64) 4,6-Dinitro-2-methylphenol	15.84	198	2239	1.58	ng/ul#	69
70) Phenanthrene	17.59	178	26538	1.03	ng/ul#	90
75) Fluoranthene	19.58	202	72510	2.48	ng/ul#	95
78) Pyrene	19.58	202	72510	2.51	ng/ul	98
81) Benzo(a)anthracene	21.80	228	34419	1.24	ng/ul	95
83) Chrysene	21.87	228	36429	1.33	ng/ul	96
86) Benzo(b)fluoranthene	24.10	252	65451	2.37	ng/ul#	87
87) Benzo(k)fluoranthene	24.10	252	65451	2.21	ng/ul#	87
89) Benzo(a)pyrene	25.00	252	36729	1.34	ng/ul#	88
90) Indeno(1,2,3-cd)pyrene	28.95	276	39405	1.21	ng/ul#	94

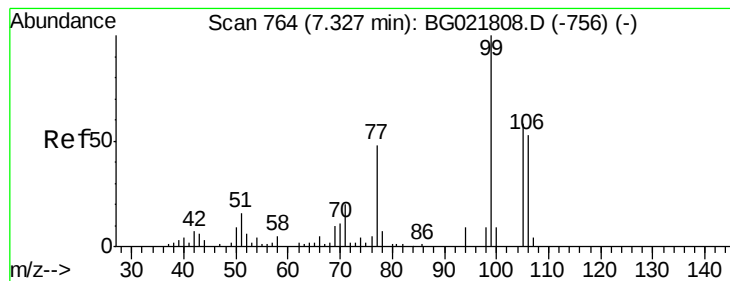
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.09 ng/ul

RT: 7.71 min Scan# 830

Delta R.T. 0.39 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

Instrument :

BNA_G

ClientSampleId :

D9XA9

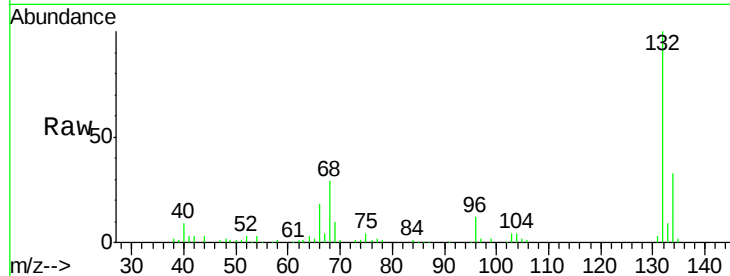
Tgt Ion: 77 Resp: 1678

Ion Ratio Lower Upper

77 100

105 96.7 68.5 102.7

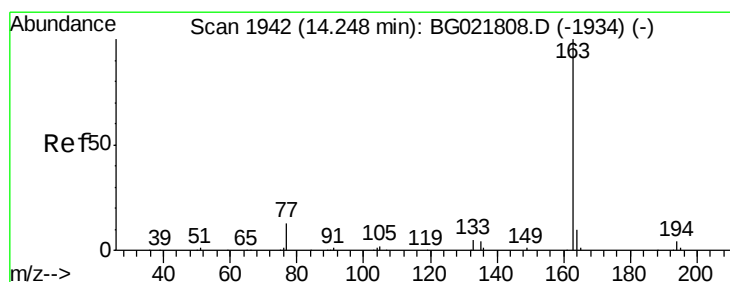
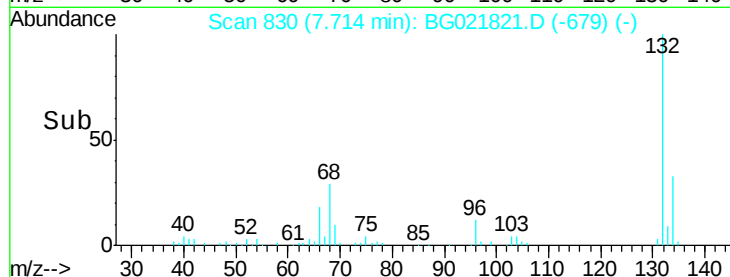
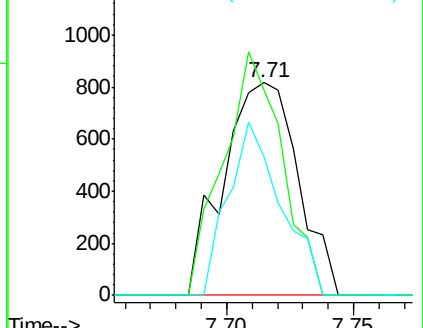
106 65.1 65.0 97.4



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



#45

Dimethylphthalate

Concen: 5.23 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

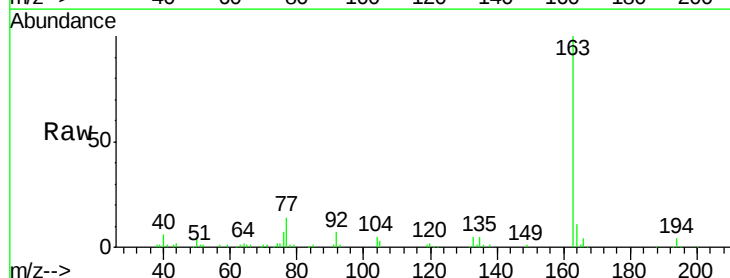
Tgt Ion: 163 Resp: 82005

Ion Ratio Lower Upper

163 100

194 3.8 3.9 5.9#

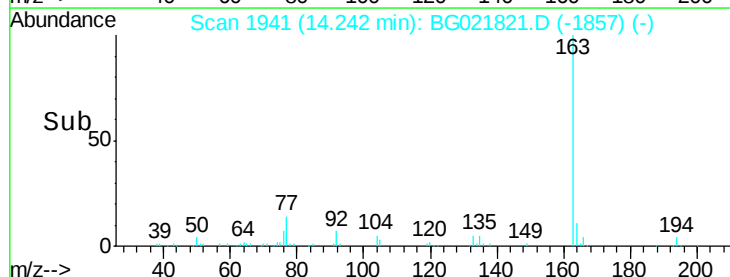
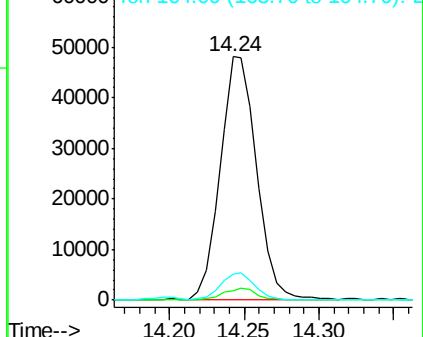
164 10.6 8.7 13.1

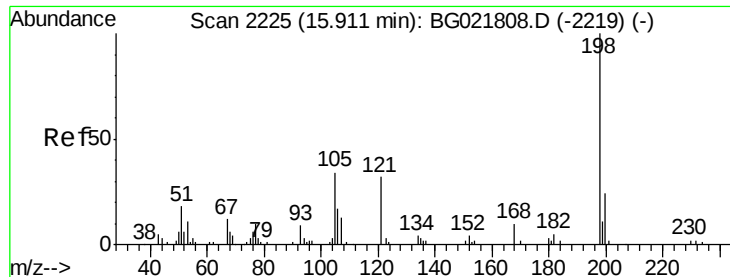


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC

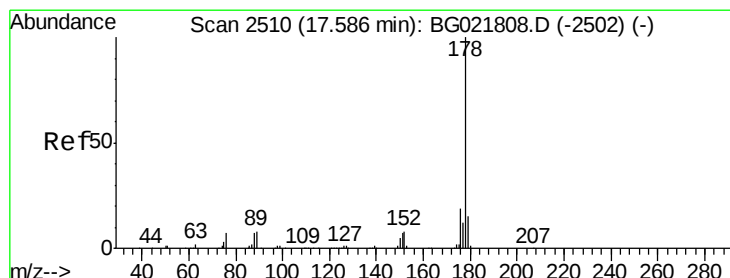
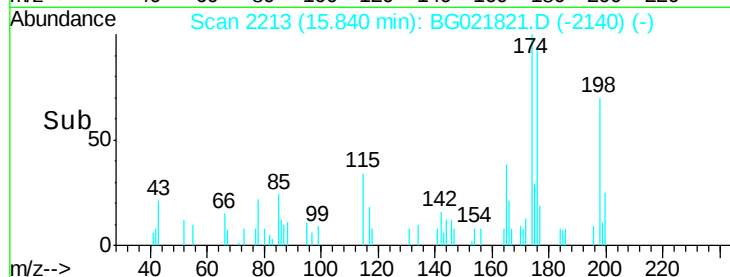
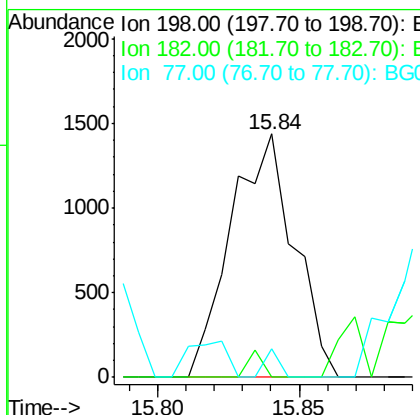
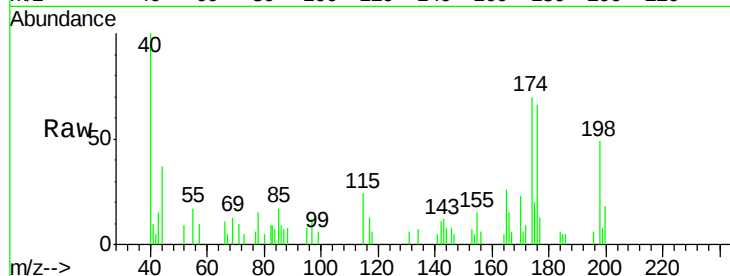




#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.58 ng/ul
 RT: 15.84 min Scan# 2213
 Delta R.T. -0.07 min
 Lab File: BG021821.D
 Acq: 10 May 2016 18:02

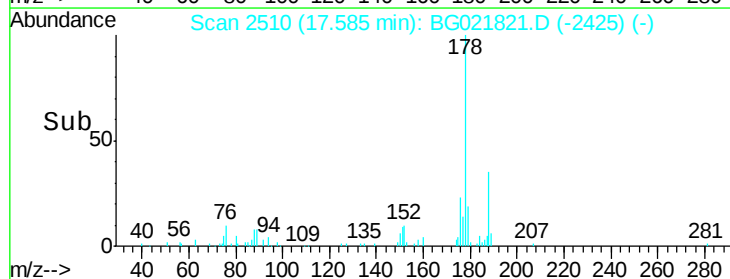
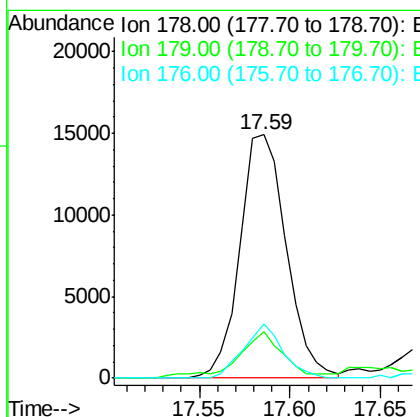
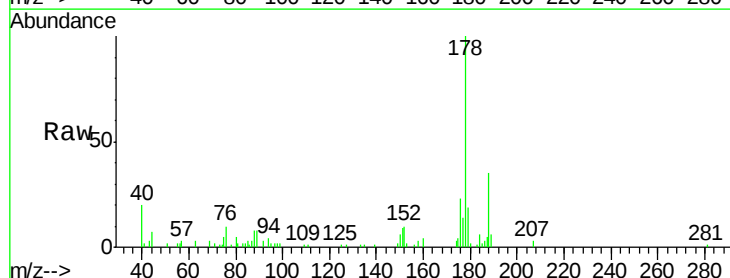
Instrument :
 BNA_G
 ClientSampleId :
 D9XA9

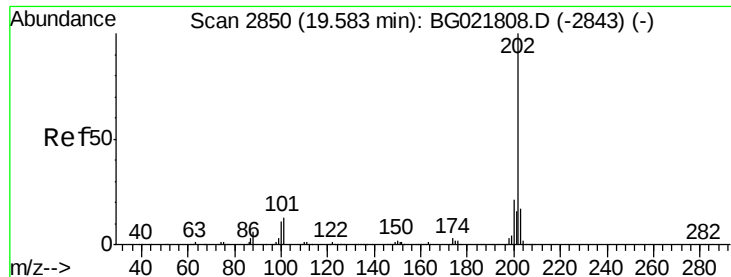
Tgt Ion:198 Resp: 2239
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.8 5.8#
 77 12.0 24.2 36.4#



#70
 Phenanthrene
 Concen: 1.03 ng/ul
 RT: 17.59 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: BG021821.D
 Acq: 10 May 2016 18:02

Tgt Ion:178 Resp: 26538
 Ion Ratio Lower Upper
 178 100
 179 19.2 11.8 17.8#
 176 22.5 14.8 22.2#





#75

Fluoranthene

Concen: 2.48 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

Instrument :

BNA_G

ClientSampleId :

D9XA9

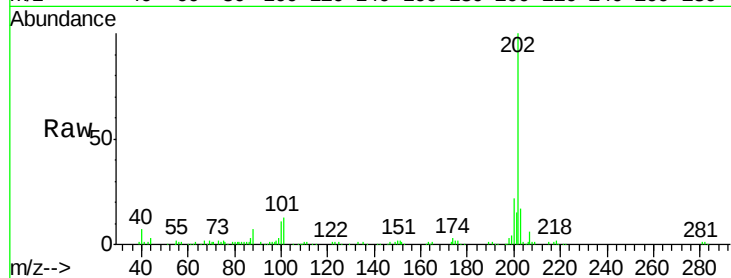
Tgt Ion:202 Resp: 72510

Ion Ratio Lower Upper

202 100

101 12.9 8.9 13.3

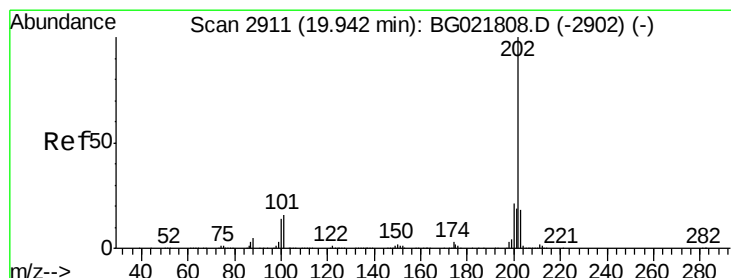
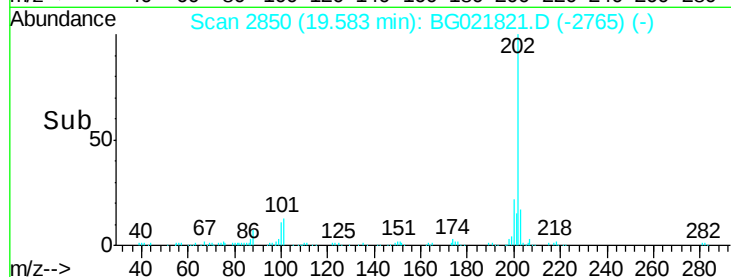
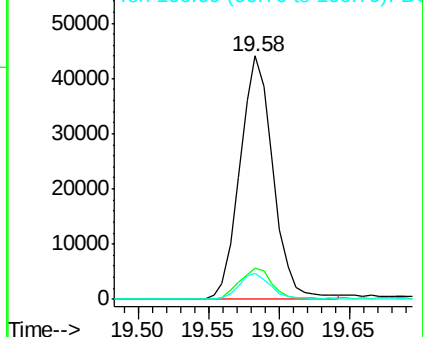
100 10.7 7.0 10.4#



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: 2.51 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.36 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

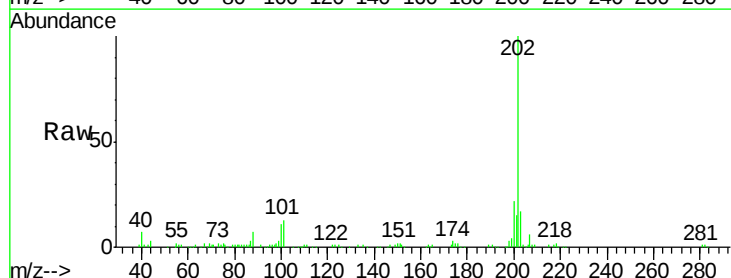
Tgt Ion:202 Resp: 72510

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

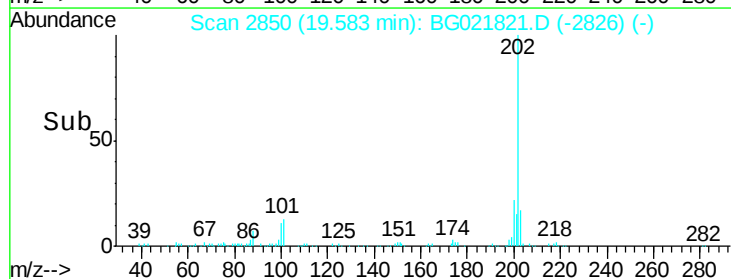
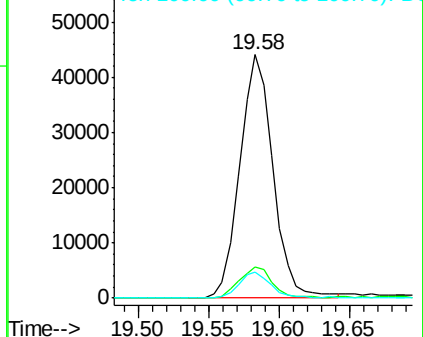
100 10.7 9.3 13.9

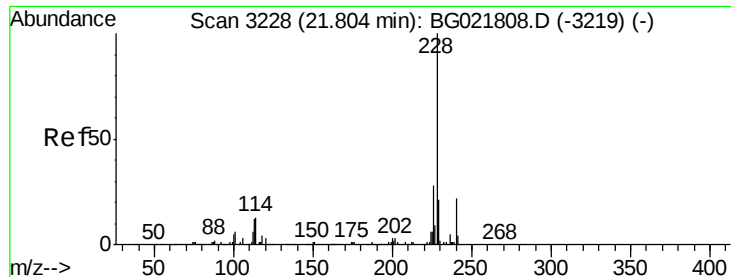


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Benzo(a)anthracene

Concen: 1.24 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

Instrument :

BNA_G

ClientSampleId :

D9XA9

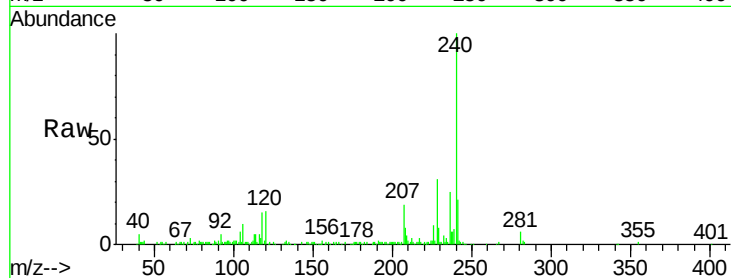
Tgt Ion:228 Resp: 34419

Ion Ratio Lower Upper

228 100

229 24.3 16.6 25.0

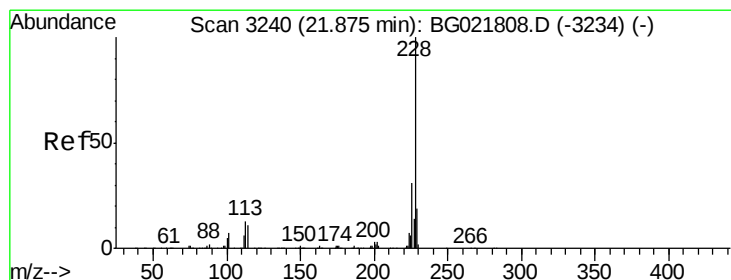
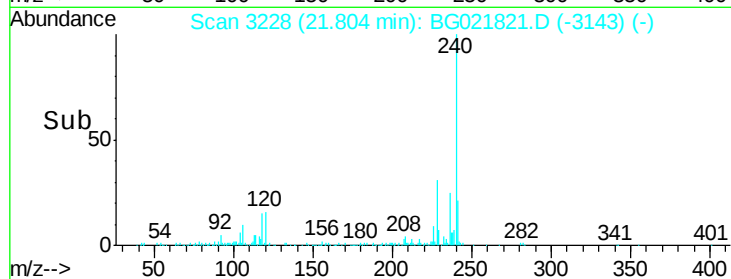
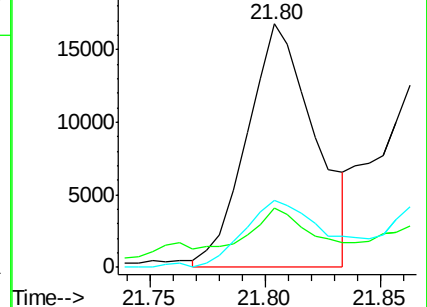
226 27.5 21.0 31.4



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



#83

Chrysene

Concen: 1.33 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

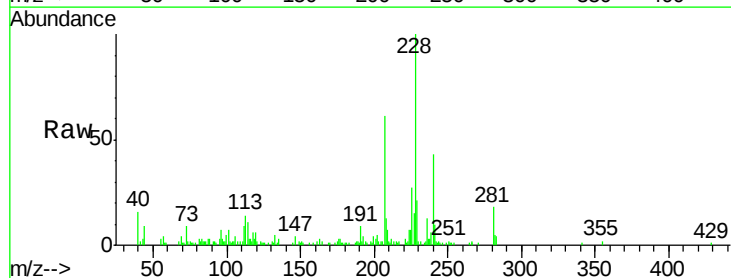
Tgt Ion:228 Resp: 36429

Ion Ratio Lower Upper

228 100

226 26.6 23.4 35.2

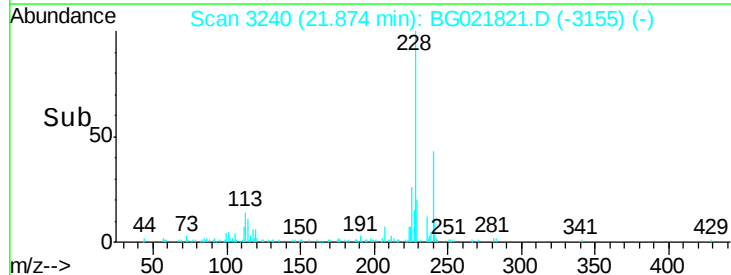
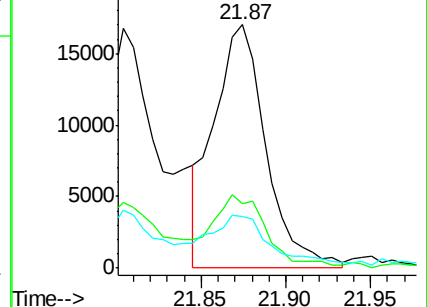
229 21.3 16.2 24.2

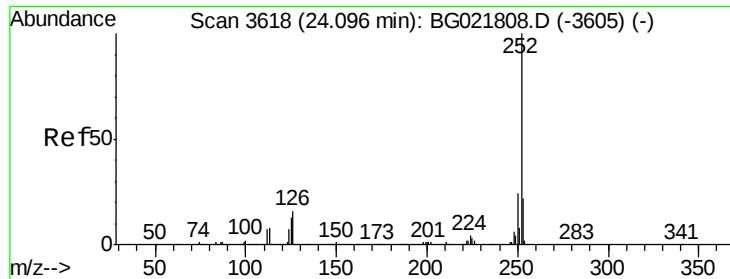


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

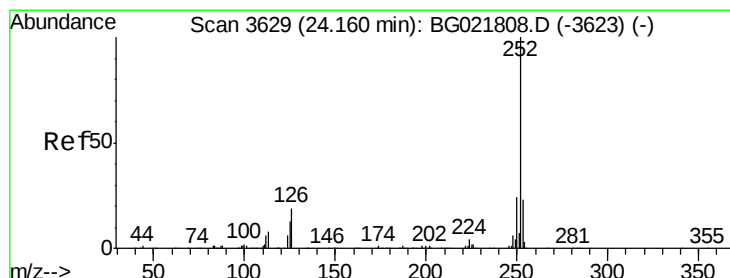
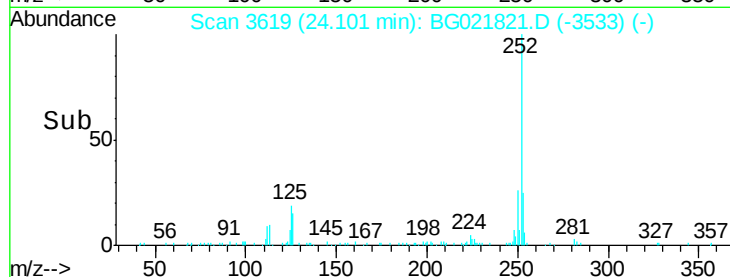
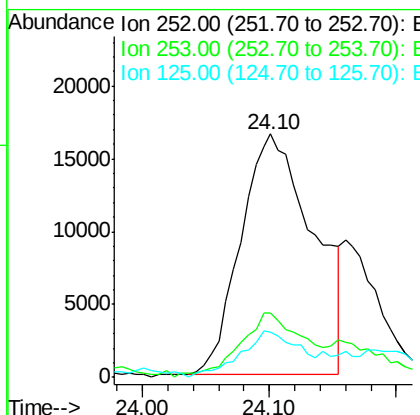
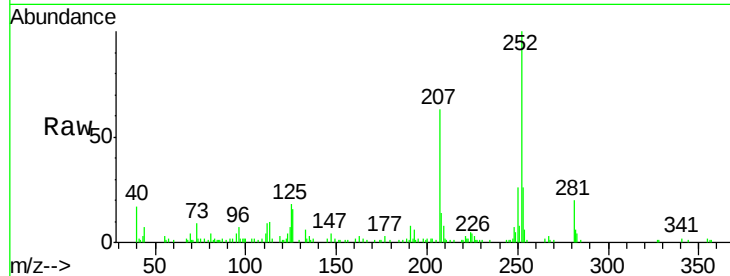




#86
Benzo(b)fluoranthene
Concen: 2.37 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG021821.D
Acq: 10 May 2016 18:02

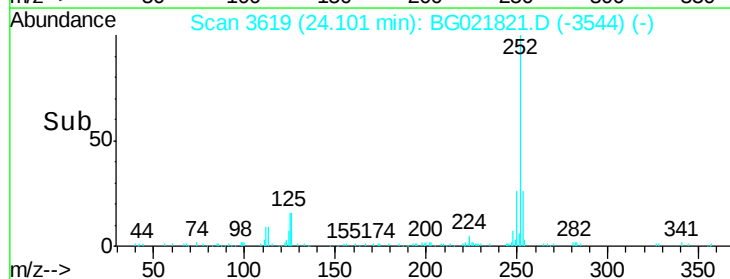
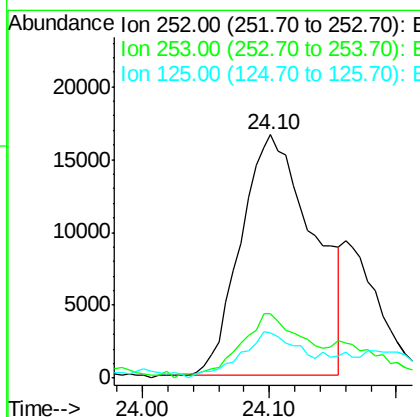
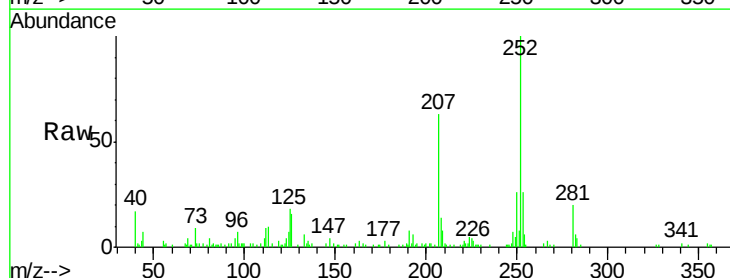
Instrument :
BNA_G
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D9XA9

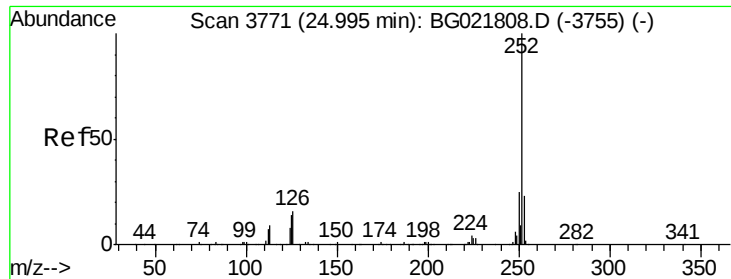
Tgt Ion:252 Resp: 65451
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 18.4 7.6 11.4#



#87
Benzo(k)fluoranthene
Concen: 2.21 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. -0.06 min
Lab File: BG021821.D
Acq: 10 May 2016 18:02

Tgt Ion:252 Resp: 65451
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.8
125 18.4 7.7 11.5#





#89

Benzo(a)pyrene

Concen: 1.34 ng/ul

RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

Instrument :

BNA_G

ClientSampleId :

D9XA9

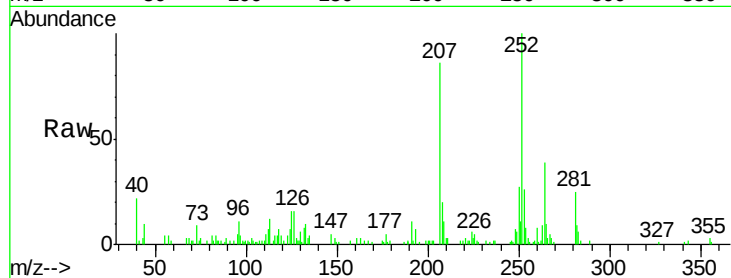
Tgt Ion:252 Resp: 36729

Ion Ratio Lower Upper

252 100

253 26.3 17.4 26.0#

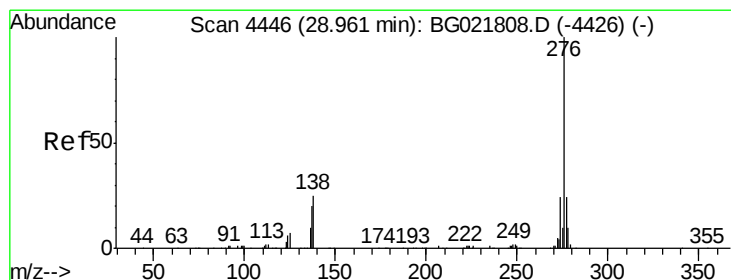
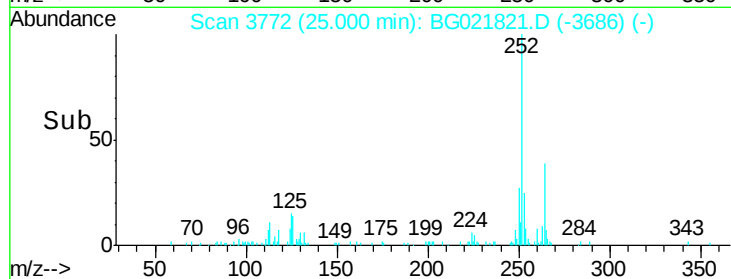
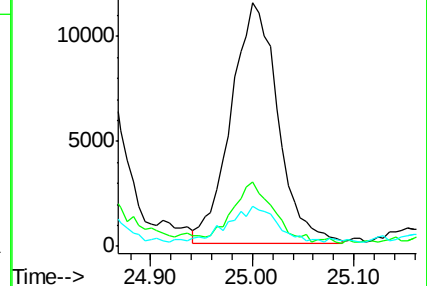
125 16.3 8.2 12.2#



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: 1.21 ng/ul

RT: 28.95 min Scan# 4445

Delta R.T. -0.01 min

Lab File: BG021821.D

Acq: 10 May 2016 18:02

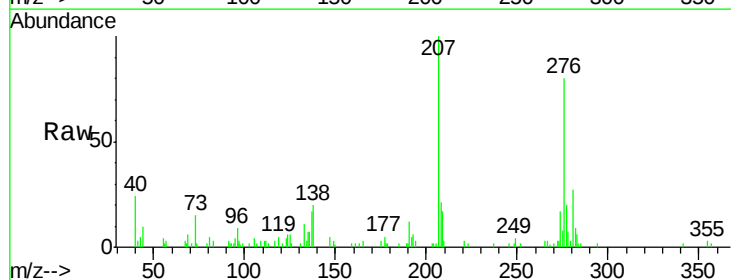
Tgt Ion:276 Resp: 39405

Ion Ratio Lower Upper

276 100

138 25.2 15.8 23.6#

277 24.3 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

