

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021922.D
 Acq On : 17 May 2016 1:25
 Operator : UM/SJ
 Sample : H3095-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF1

Quant Time: May 17 04:19:14 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	69313	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	328410	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.79	164	183673	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	366585	20.00	ng/ul	0.01
76) Chrysene-d12	21.83	240	344936	20.00	ng/ul	0.01
84) Perylene-d12	25.18	264	330955	20.00	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.55	96	4221	2.94	ng/uL	0.00
5) Phenol-d5	7.33	99	86282	16.78	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	41096	16.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	80869	20.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	69913	16.18	ng/ul	0.01
19) Nitrobenzene-d5	9.34	128	41814	19.37	ng/ul	0.01
22) 2-Nitrophenol-d4	10.06	143	43163	31.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	78435	20.34	ng/ul	0.01
29) 4-Chloroaniline-d4	11.13	131	49569	11.93	ng/ul	0.01
44) Dimethylphthalate-d6	14.19	166	239107	18.53	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	327800	17.90	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	21507	9.73	ng/ul	0.02
58) Fluorene-d10	15.78	176	219333	16.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	15389	15.15	ng/ul	0.01
71) Anthracene-d10	17.64	188	302821	16.97	ng/ul	0.00
77) Pyrene-d10	19.92	212	305491	18.92	ng/ul	0.01
88) Benzo(a)pyrene-d12	24.94	264	278201	17.69	ng/ul	0.02

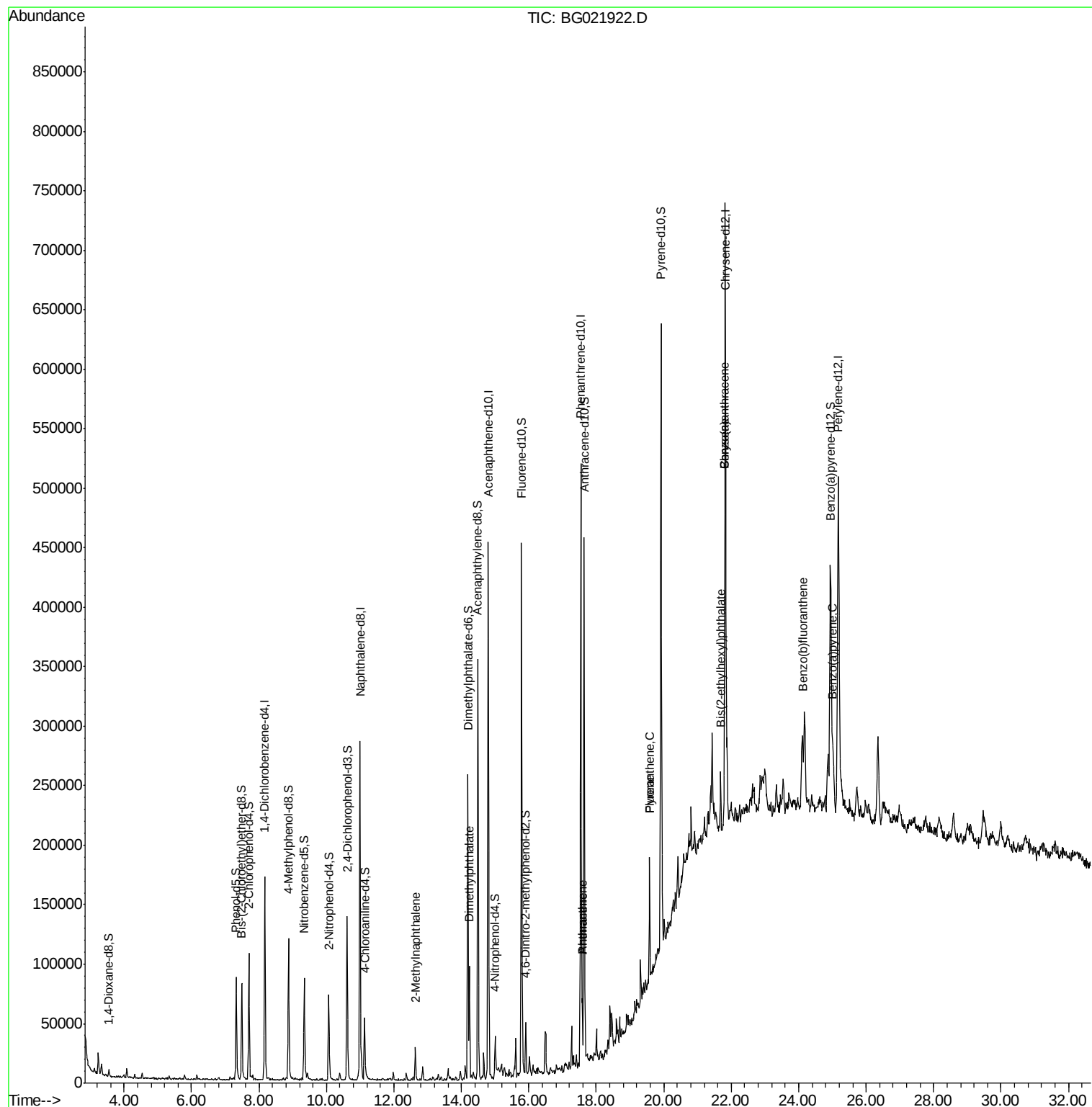
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
34) 2-Methylnaphthalene	12.64	142	18436	1.52	ng/ul	93
45) Dimethylphthalate	14.24	163	78164	5.95	ng/ul#	98
70) Phenanthrene	17.58	178	37039	1.85	ng/ul	97
72) Anthracene	17.58	178	36964	1.82	ng/ul	97
75) Fluoranthene	19.58	202	69365	3.05	ng/ul#	94
78) Pyrene	19.58	202	69365	3.48	ng/ul	98
81) Benzo(a)anthracene	21.80	228	48152	2.51	ng/ul	92
82) Bis(2-ethylhexyl)phthalate	21.69	149	25219	3.50	ng/ul#	87
83) Chrysene	21.80	228	47990	2.53	ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	80102	4.23	ng/ul#	90
89) Benzo(a)pyrene	25.02	252	48712	2.58	ng/ul#	89

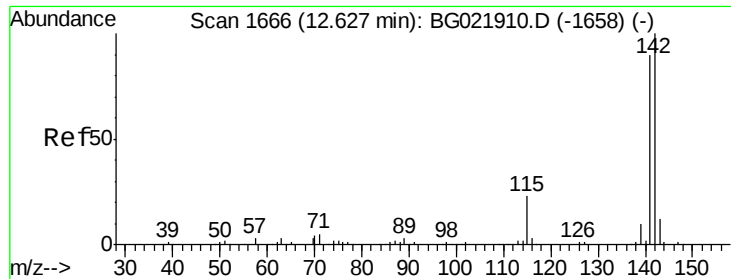
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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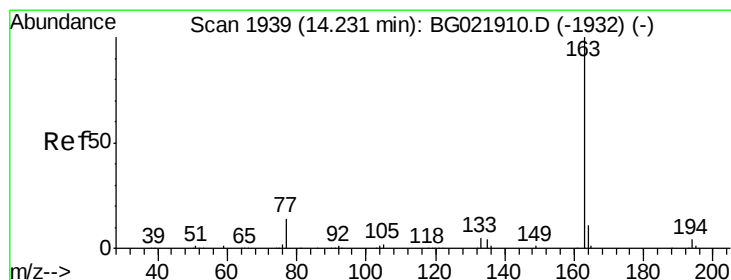
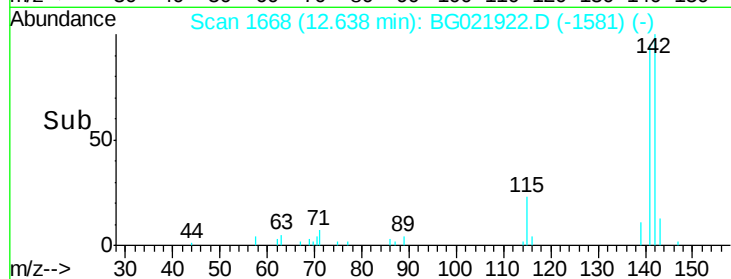
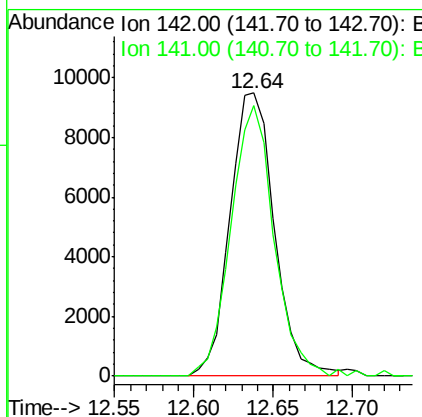
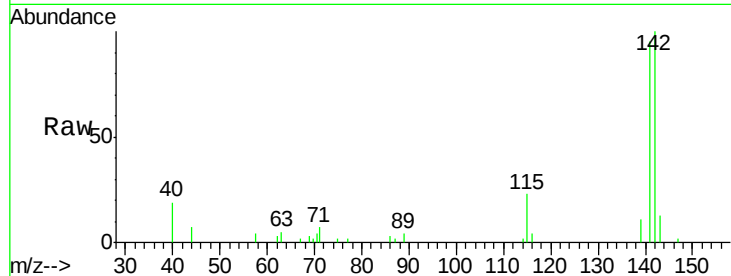




#34
 2-Methylnaphthalene
 Concen: 1.52 ng/ul
 RT: 12.64 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BG021922.D
 Acq: 17 May 2016 1:25

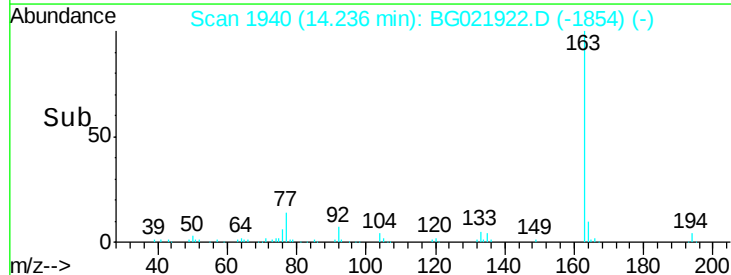
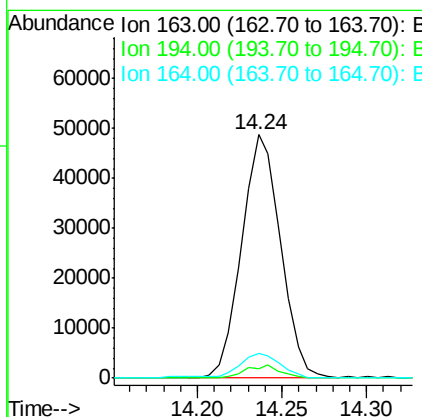
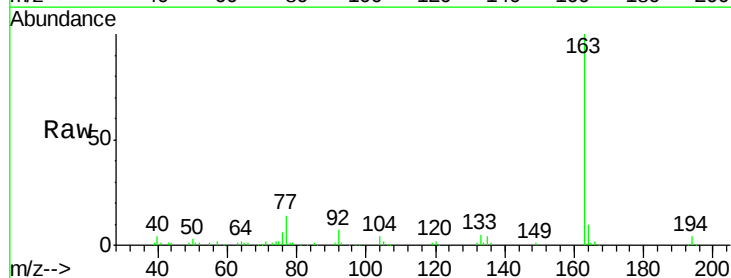
Instrument :
 BNA_G
 ClientSampled :
 D9XF1

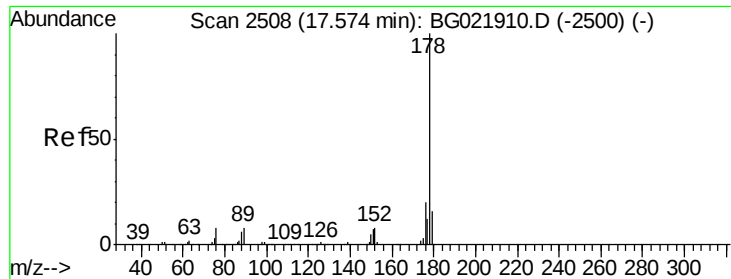
Tot Ion:142 Resp: 18436
 Ion Ratio Lower Upper
 142 100
 141 95.5 71.3 106.9



#45
 Dimethylphthalate
 Concen: 5.95 ng/ul
 RT: 14.24 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: BG021922.D
 Acq: 17 May 2016 1:25

Tgt Ion:163 Resp: 78164
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.9 5.9#
 164 10.2 8.7 13.1





#70

Phenanthrene

Concen: 1.85 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

Instrument :

BNA_G

ClientSampleId :

D9XF1

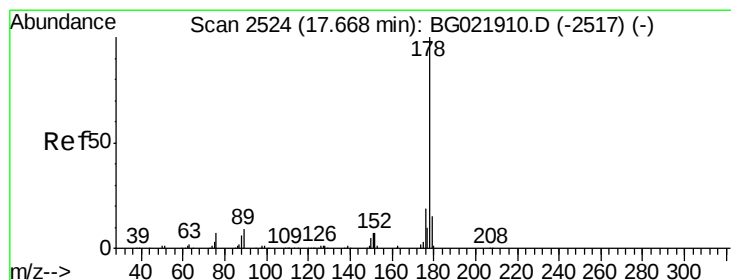
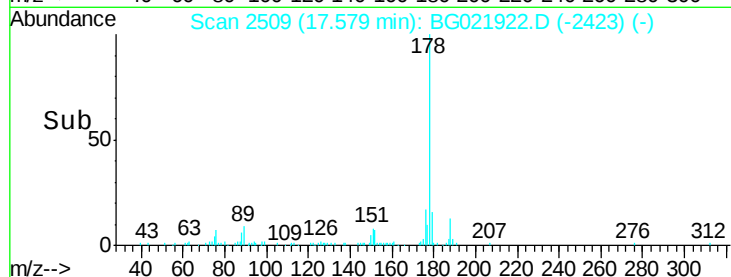
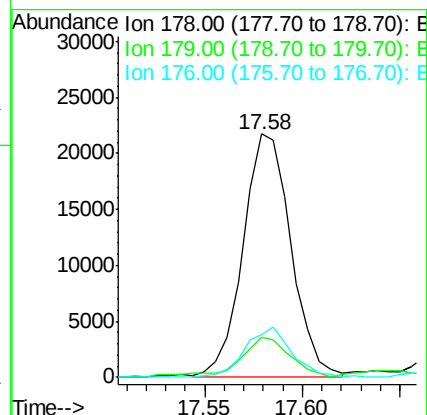
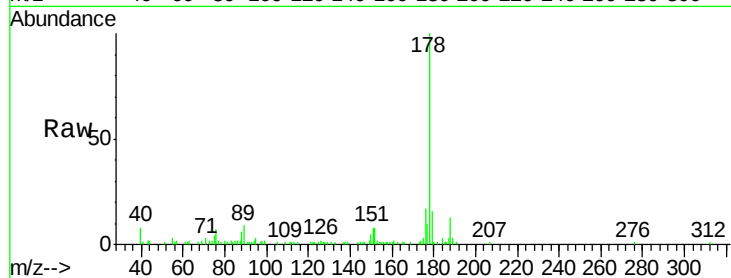
Tot Ion:178 Resp: 37039

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

176 17.5 14.8 22.2



#72

Anthracene

Concen: 1.82 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. -0.09 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

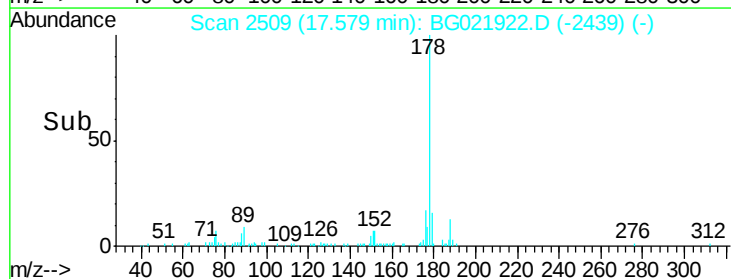
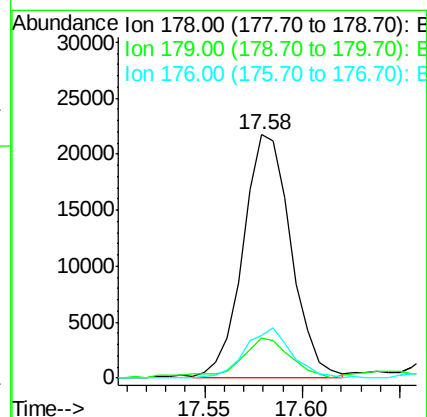
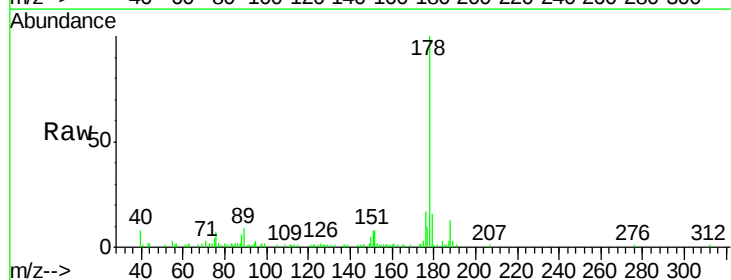
Tgt Ion:178 Resp: 36964

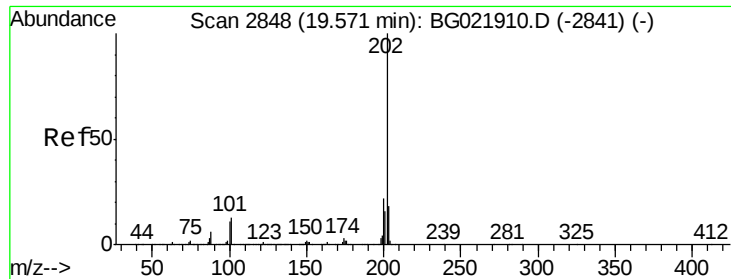
Ion Ratio Lower Upper

178 100

179 16.3 12.9 19.3

176 17.5 15.6 23.4





#75

Fluoranthene

Concen: 3.05 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.01 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

Instrument :

BNA_G

ClientSampleId :

D9XF1

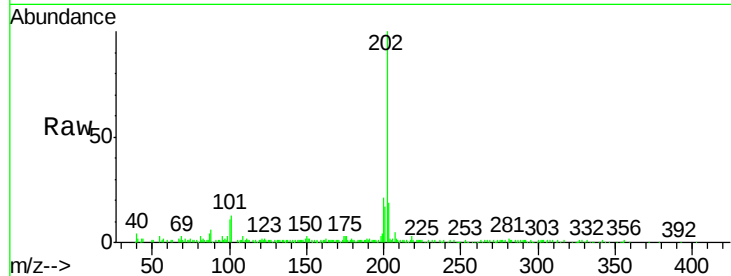
Tot Ion:202 Resp: 69365

Ion Ratio Lower Upper

202 100

101 13.3 8.9 13.3

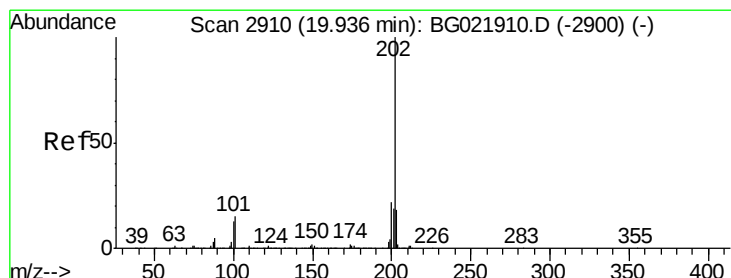
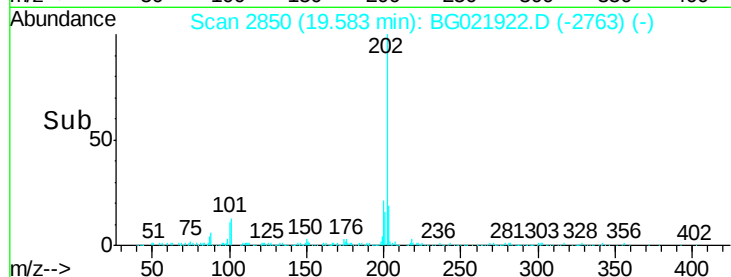
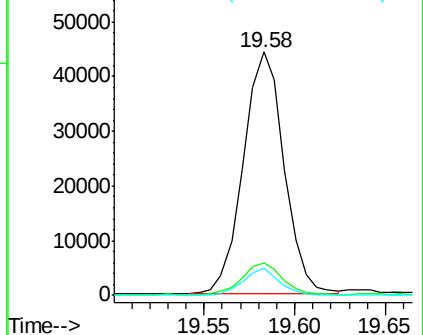
100 11.0 7.0 10.4#



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: 3.48 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. -0.35 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

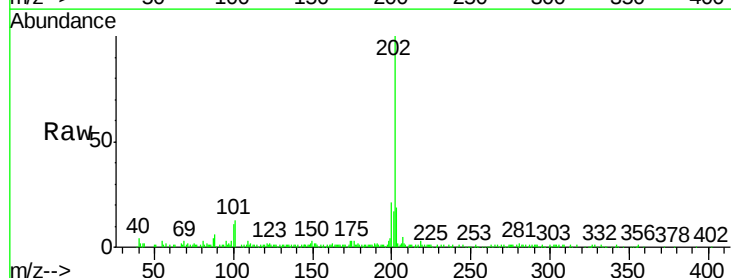
Tgt Ion:202 Resp: 69365

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.8

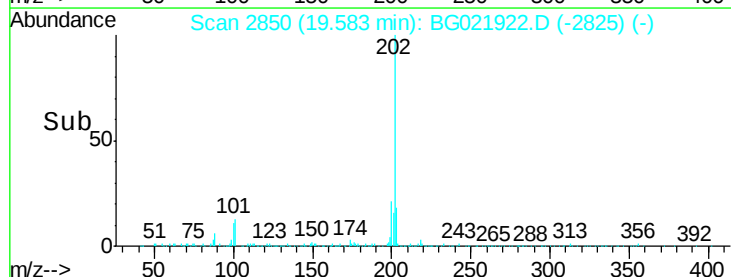
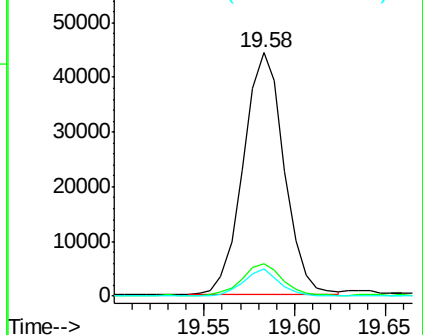
100 11.0 9.3 13.9

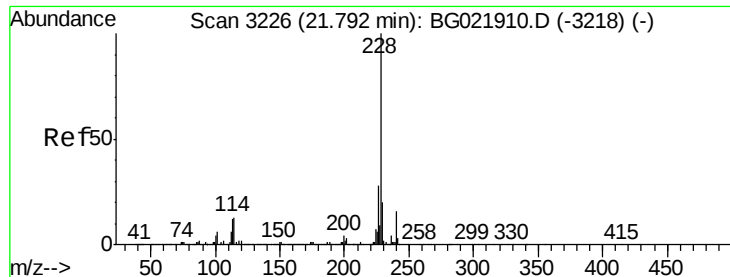


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Benzo(a)anthracene

Concen: 2.51 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

Instrument :

BNA_G

ClientSampleId :

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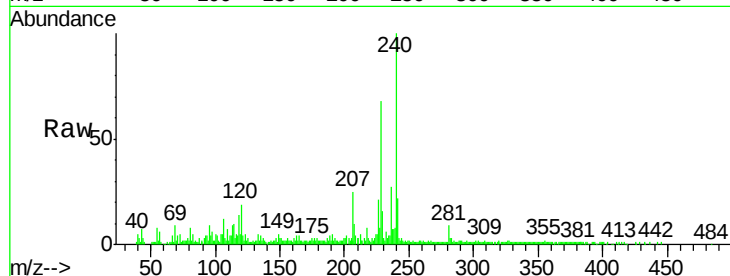
Tot Ion:228 Resp: 48152

Ion Ratio Lower Upper

228 100

229 23.4 16.6 25.0

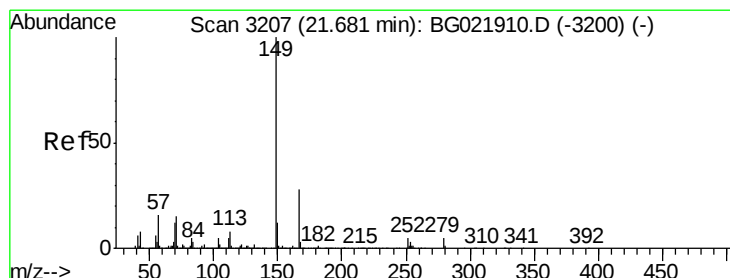
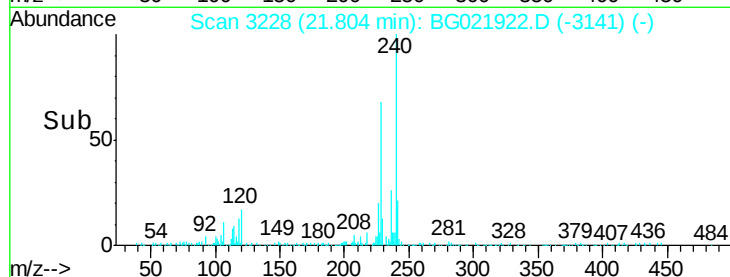
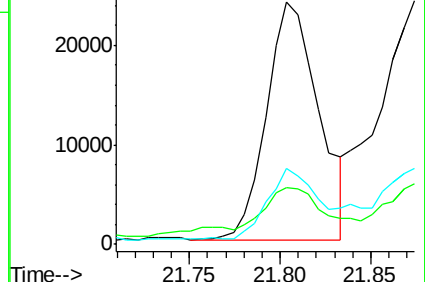
226 31.4 21.0 31.4



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: 3.50 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BG021922.D

Acq: 17 May 2016 1:25

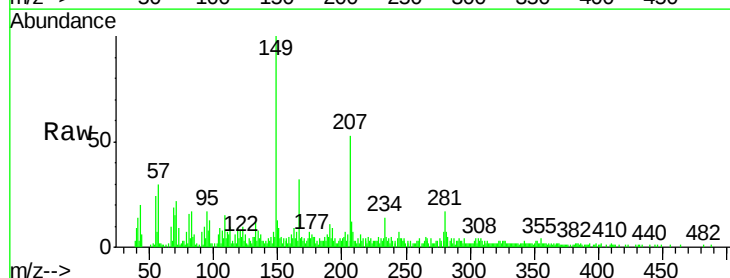
Tgt Ion:149 Resp: 25219

Ion Ratio Lower Upper

149 100

167 32.4 20.5 30.7#

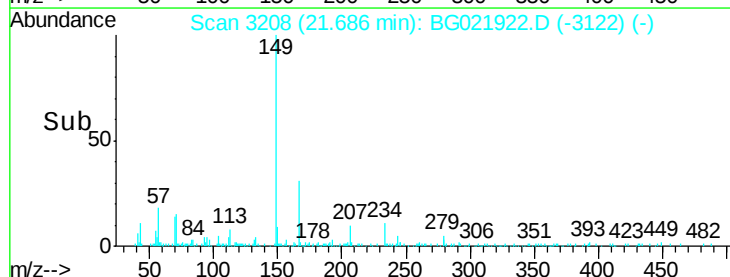
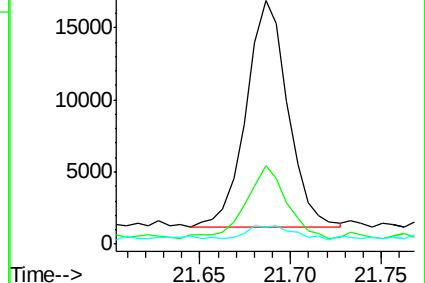
279 7.0 3.7 5.5#

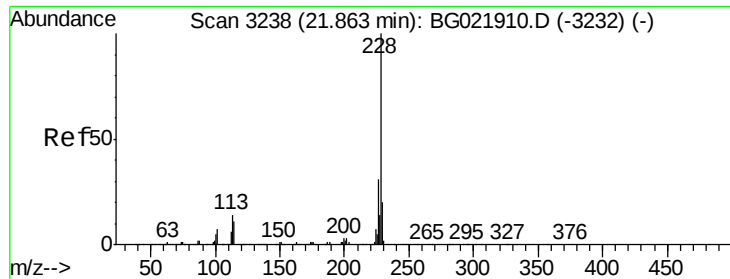


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

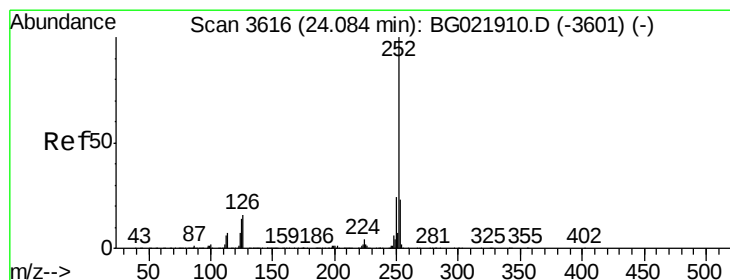
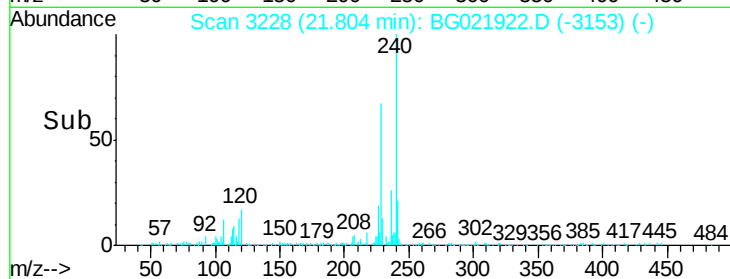
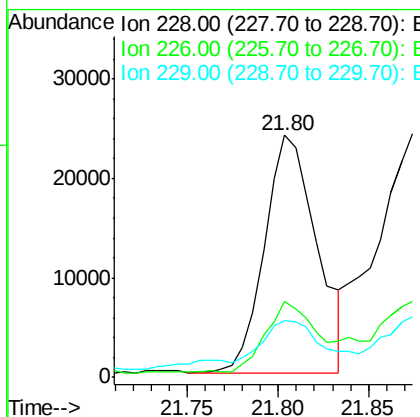
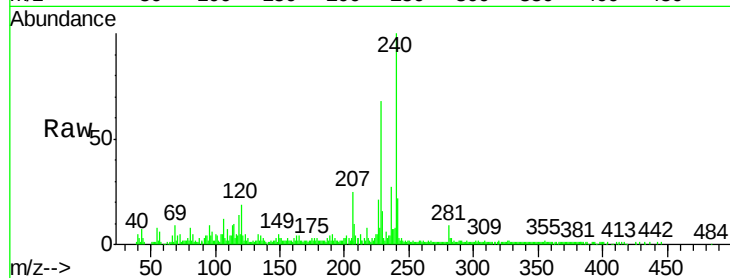




#83
 Chrysene
 Concen: 2.53 ng/ul
 RT: 21.80 min Scan# 3228
 Delta R.T. -0.06 min
 Lab File: BG021922.D
 Acq: 17 May 2016 1:25

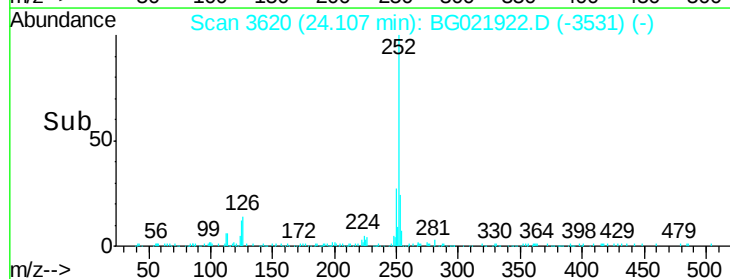
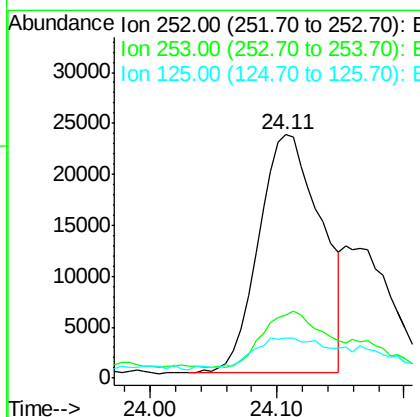
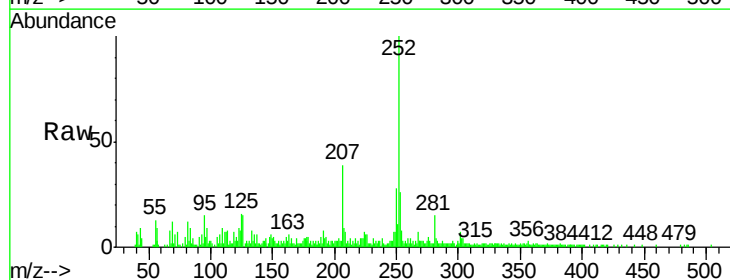
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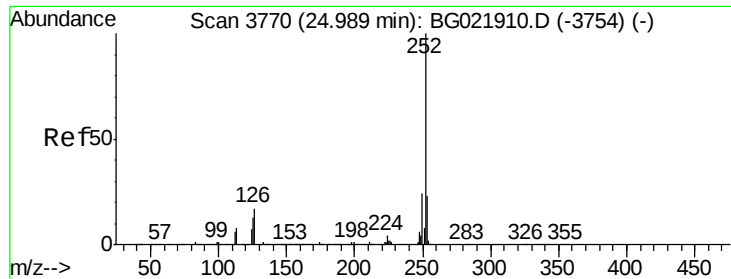
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	23.4	16.2	24.2



#86
 Benzo(b)fluoranthene
 Concen: 4.23 ng/ul
 RT: 24.11 min Scan# 3620
 Delta R.T. 0.02 min
 Lab File: BG021922.D
 Acq: 17 May 2016 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	16.2	7.6	11.4#





#89

Benzo(a)pyrene

Concen: 2.58 ng/ul

RT: 25.02 min Scan# 3775

Delta R.T. 0.03 min

Lab File: BG021922.D

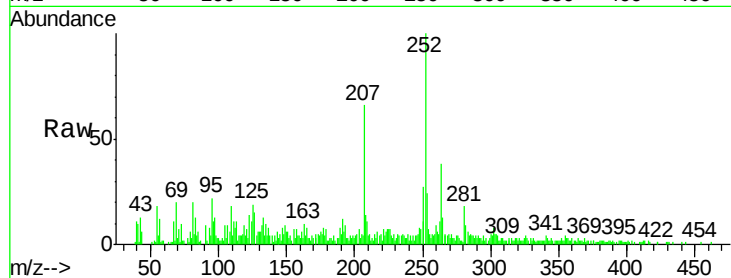
Acq: 17 May 2016 1:25

Instrument :

BNA_G

ClientSampleId :

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Tot Ion:	252	Resp:	48712
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	18.6	8.2	12.2

