

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052516\
 Data File : BG022061.D
 Acq On : 25 May 2016 16:40
 Operator : UM/SJ
 Sample : H3203-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XP6

Quant Time: May 26 03:11:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	20588	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	120922	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	83455	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	183592	20.00	ng/ul	0.00
29) Chrysene-d12	21.82	240	136345	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	133264	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.53	96	491	1.09	ng/uL	0.00
3) Phenol-d5	7.32	99	44542	24.50	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	24981	25.80	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	39193	26.26	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	41702	25.75	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	20675	24.37	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	22137	24.46	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.61	165	44328	27.71	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	11932	9.47	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	148634	23.10	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	240772	29.05	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	19681	17.39	ng/ul	0.00
21) Fluorene-d10	15.78	176	179017	30.91	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.90	200	15300	16.79	ng/ul	0.00
26) Anthracene-d10	17.63	188	286107	33.82	ng/ul	0.00
30) Pyrene-d10	19.91	212	243924	33.91	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	200542	33.88	ng/ul	0.00

Target Compounds

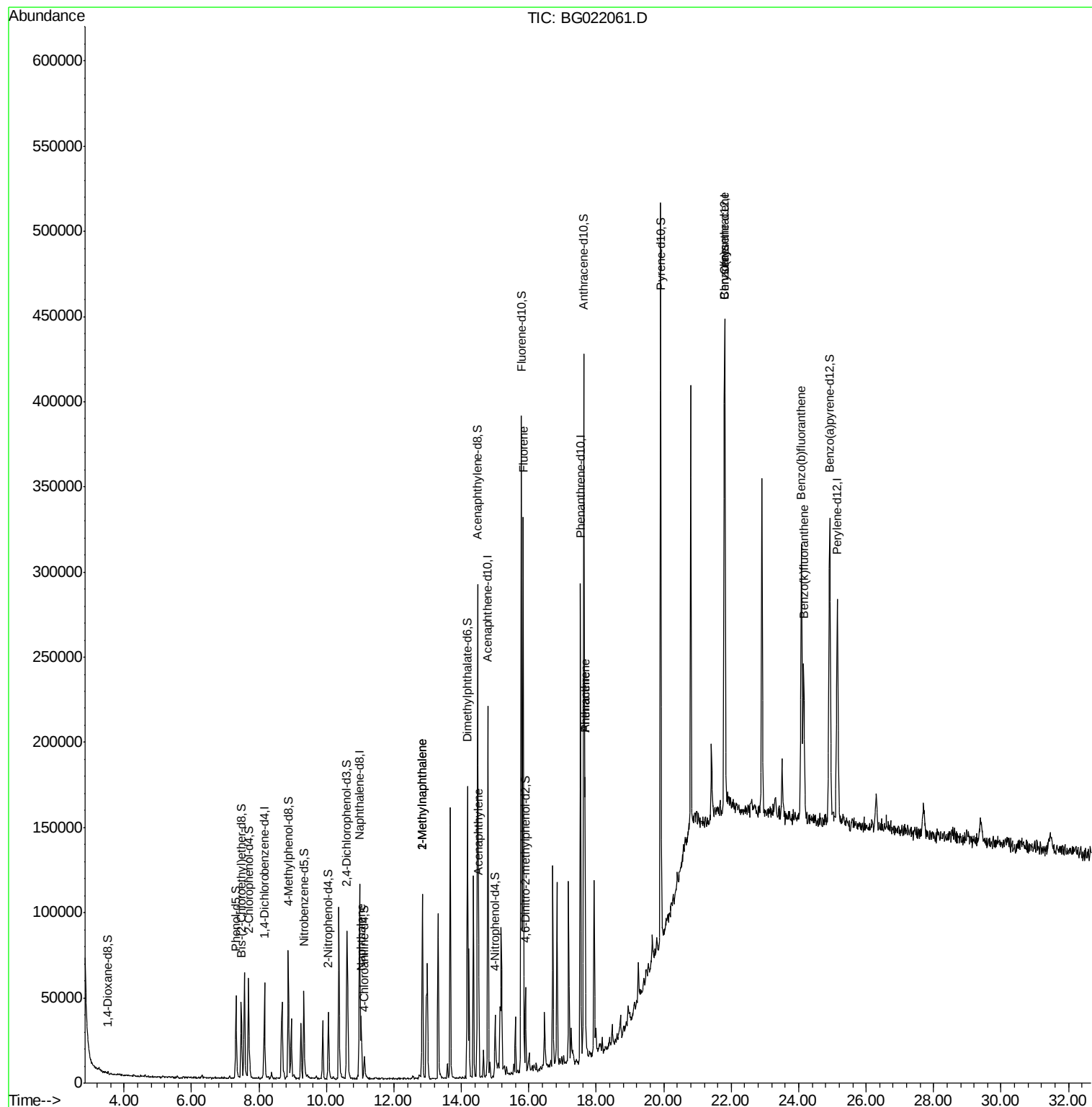
						Qvalue
11) Naphthalene	11.03	128	39514	6.72	ng/ul#	95
13) 2-Methylnaphthalene	12.84	142	60347	14.16	ng/ul	91
14) 1-Methylnaphthalene	12.84	142	60347	13.83	ng/ul#	98
18) Acenaphthylene	14.51	152	54020	6.26	ng/ul#	95
22) Fluorene	15.83	166	154276	23.51	ng/ul	98
25) Phenanthrene	17.67	178	111197	11.33	ng/ul	99
27) Anthracene	17.67	178	111197	11.28	ng/ul	99
32) Benzo(a)anthracene	21.79	228	151427	20.02	ng/ul	97
33) Chrysene	21.79	228	151427	20.58	ng/ul	99
35) Benzo(b)fluoranthene	24.08	252	170263	22.23	ng/ul#	95
36) Benzo(k)fluoranthene	24.15	252	77811	10.33	ng/ul#	92

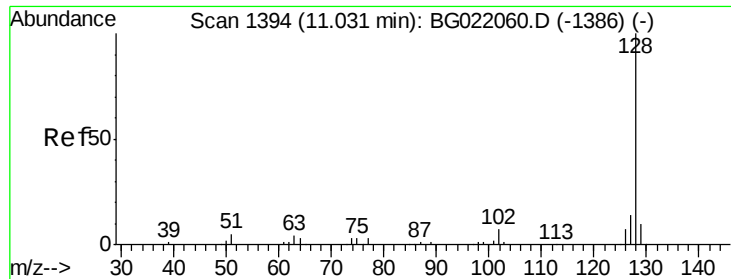
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

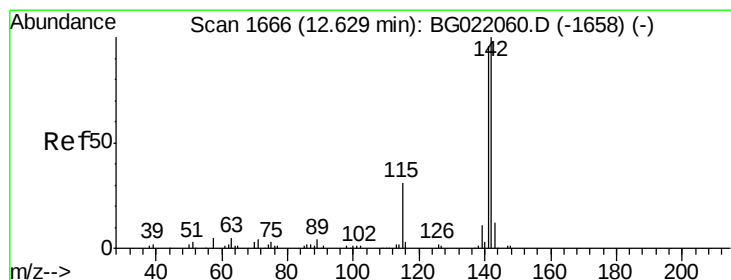
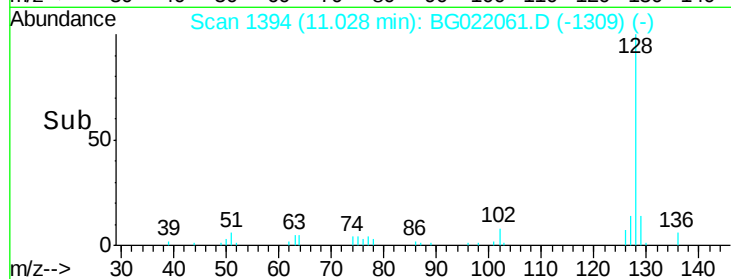
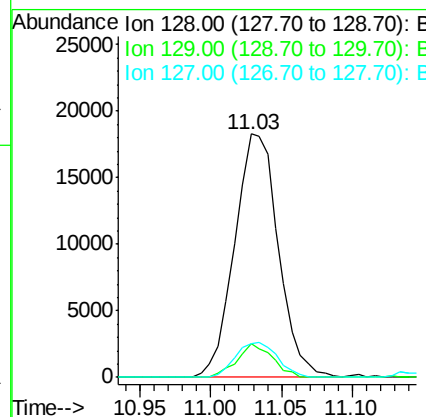
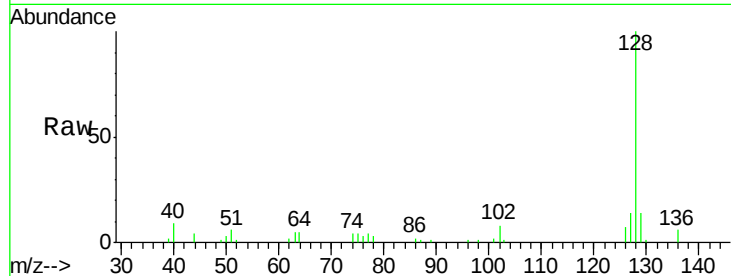




#11
Naphthalene
Concen: 6.72 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022061.D
Acq: 25 May 2016 16:40

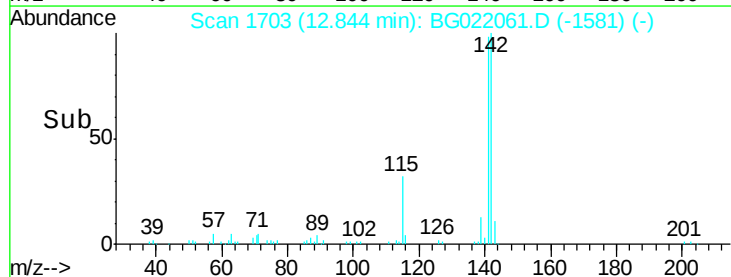
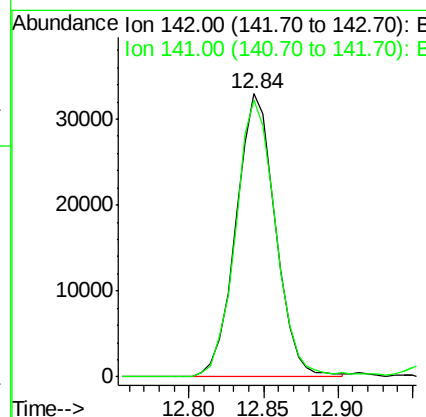
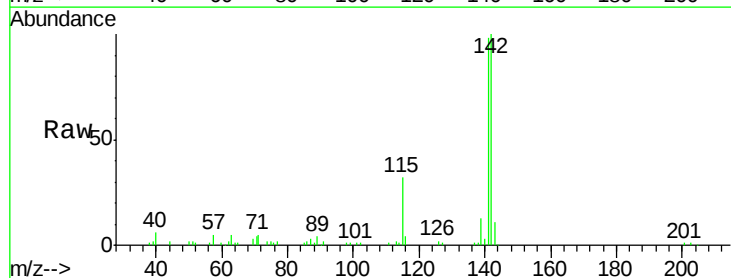
Instrument :
BNA_G
ClientSampleId :
D9XP6

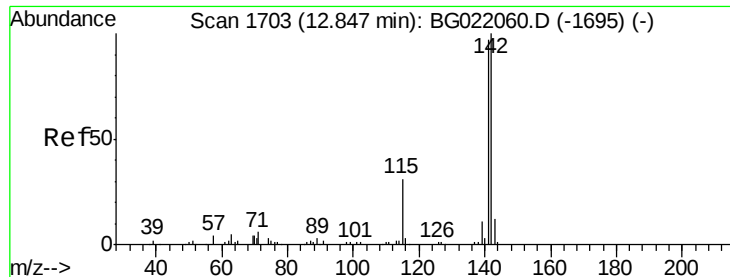
Tgt Ion:128 Resp: 39514
Ion Ratio Lower Upper
128 100
129 14.0 8.3 12.5#
127 14.0 10.8 16.2



#13
2-Methylnaphthalene
Concen: 14.16 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.21 min
Lab File: BG022061.D
Acq: 25 May 2016 16:40

Tgt Ion:142 Resp: 60347
Ion Ratio Lower Upper
142 100
141 97.9 71.3 106.9

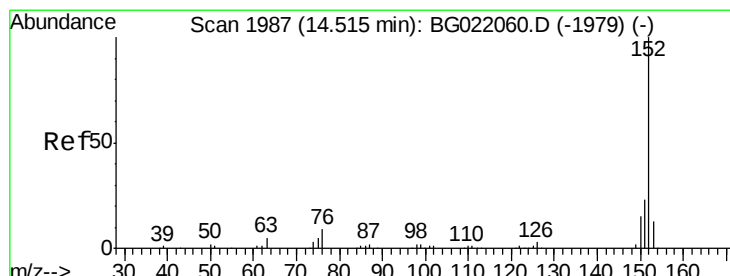
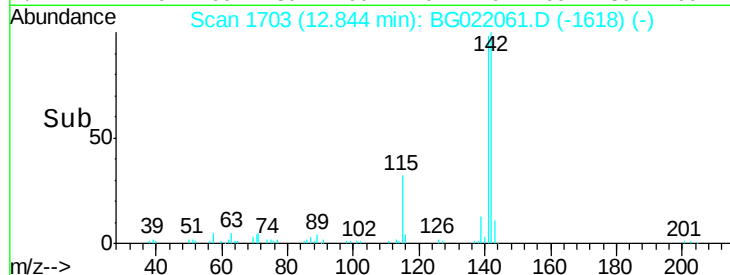
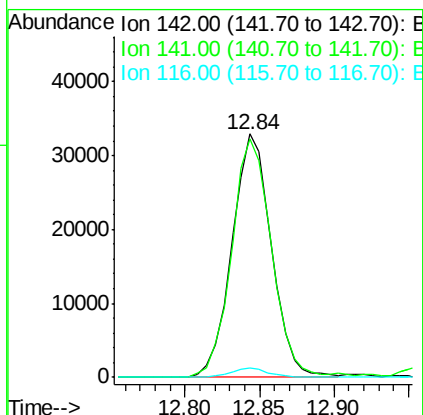
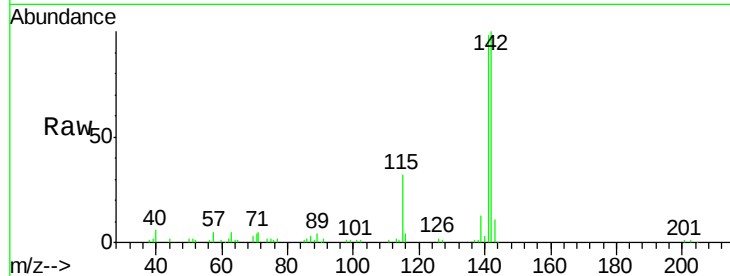




#14
1-Methylnaphthalene
Concen: 13.83 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. -0.00 min
Lab File: BG022061.D
Acq: 25 May 2016 16:40

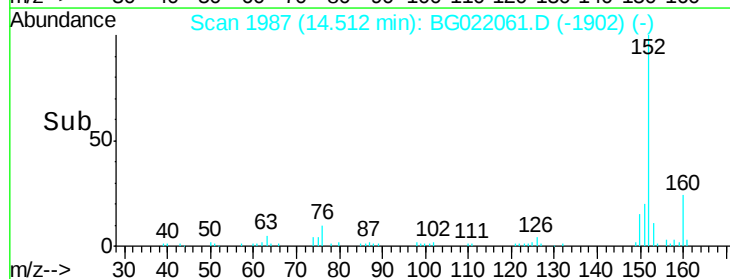
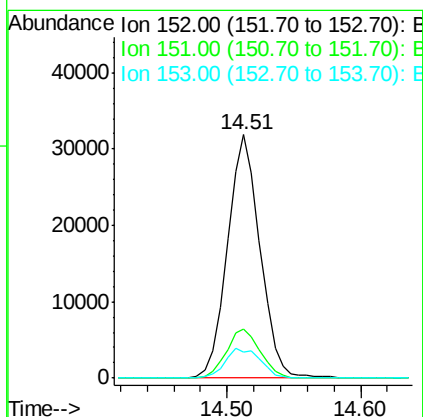
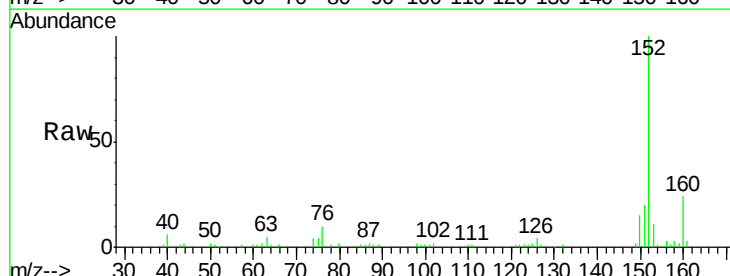
Instrument :
BNA_G
ClientSampleId :
D9XP6

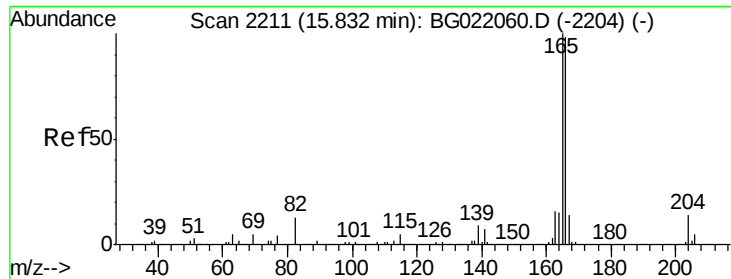
Tgt Ion:142 Resp: 60347
Ion Ratio Lower Upper
142 100
141 97.9 77.0 115.4
116 3.7 4.2 6.4#



#18
Acenaphthylene
Concen: 6.26 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG022061.D
Acq: 25 May 2016 16:40

Tgt Ion:152 Resp: 54020
Ion Ratio Lower Upper
152 100
151 20.1 17.3 25.9
153 10.6 11.1 16.7#





#22

Fluorene

Concen: 23.51 ng/ul

RT: 15.83 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

Instrument :

BNA_G

ClientSampleId :

D9XP6

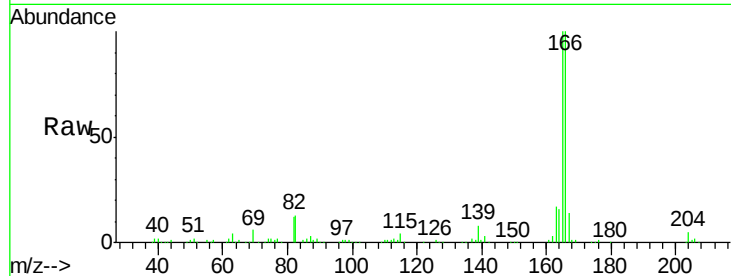
Tgt Ion:166 Resp: 154276

Ion Ratio Lower Upper

166 100

165 99.7 81.1 121.7

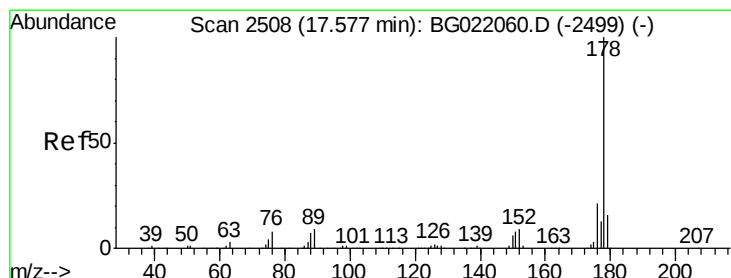
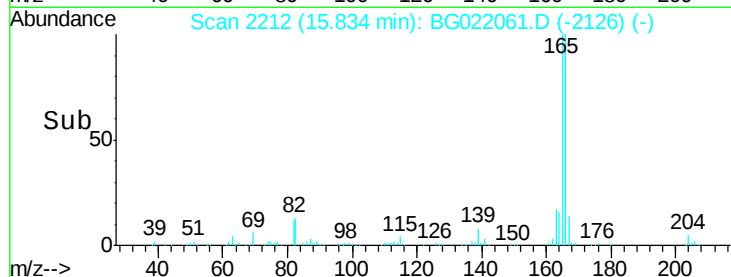
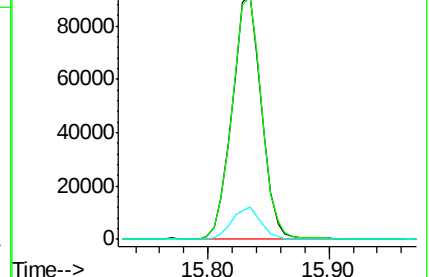
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 11.33 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.09 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

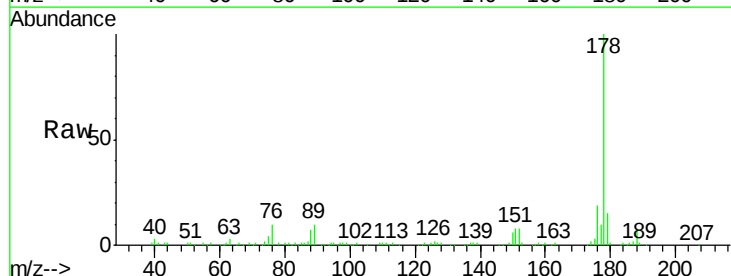
Tgt Ion:178 Resp: 111197

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

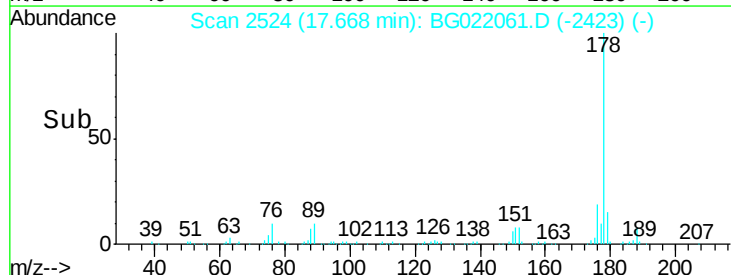
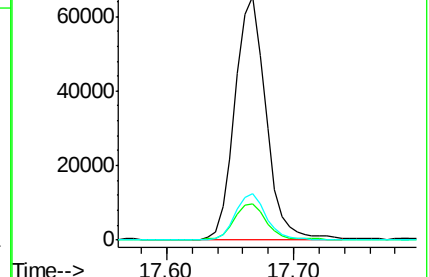
176 19.3 14.8 22.2

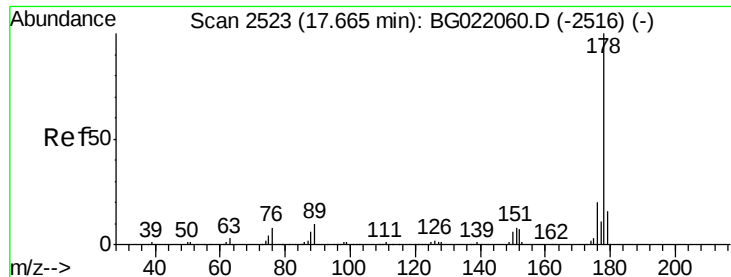


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 11.28 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

Instrument :

BNA_G

ClientSampleId :

D9XP6

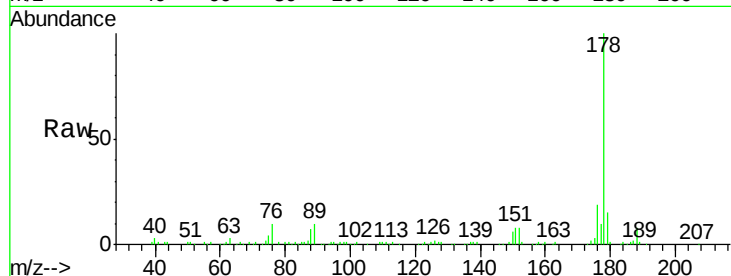
Tgt Ion:178 Resp: 111197

Ion Ratio Lower Upper

178 100

179 15.1 12.9 19.3

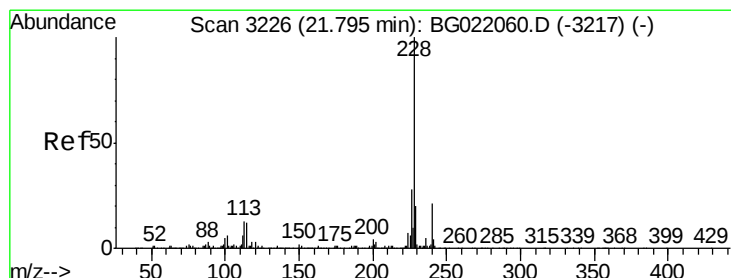
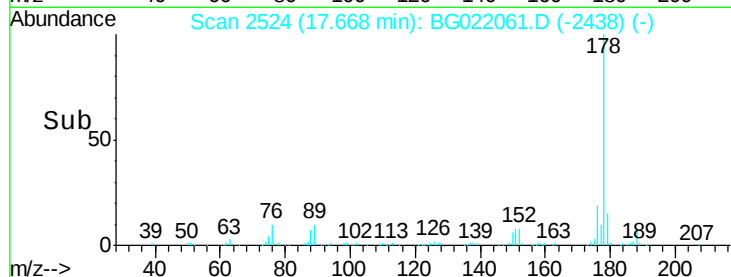
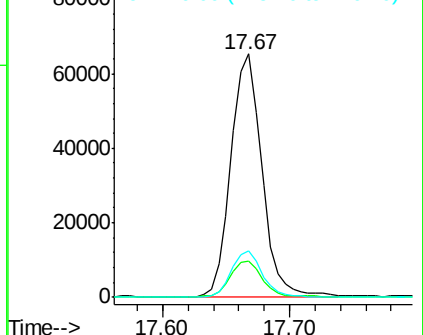
176 19.3 15.6 23.4



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



#32

Benzo(a)anthracene

Concen: 20.02 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

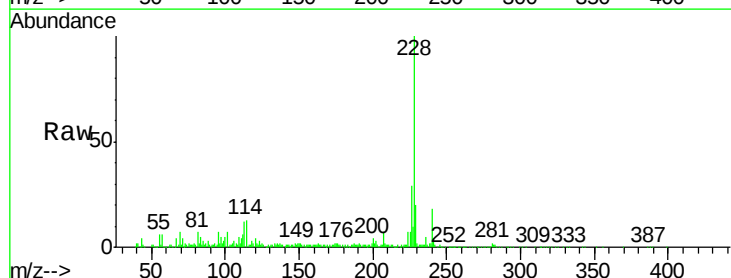
Tgt Ion:228 Resp: 151427

Ion Ratio Lower Upper

228 100

229 20.3 16.6 25.0

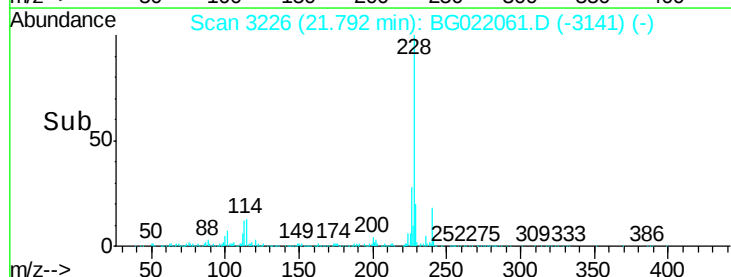
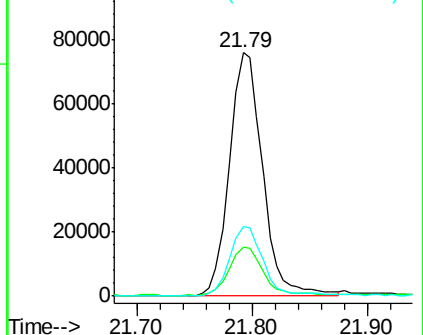
226 28.5 21.0 31.4

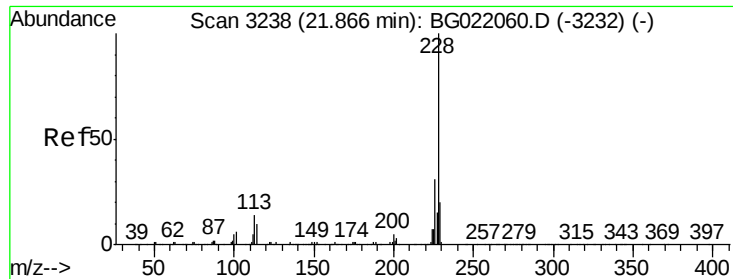


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 20.58 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.07 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

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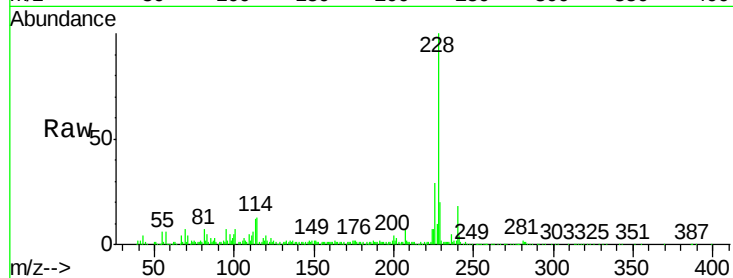
Tgt Ion:228 Resp: 151427

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.2

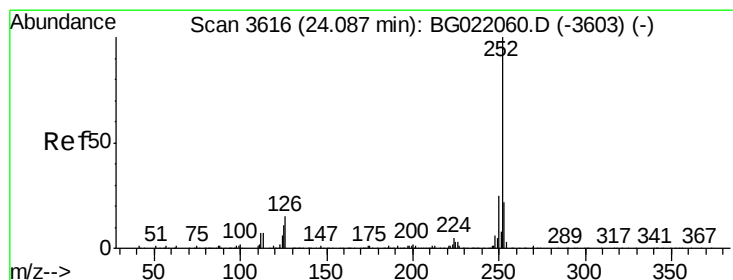
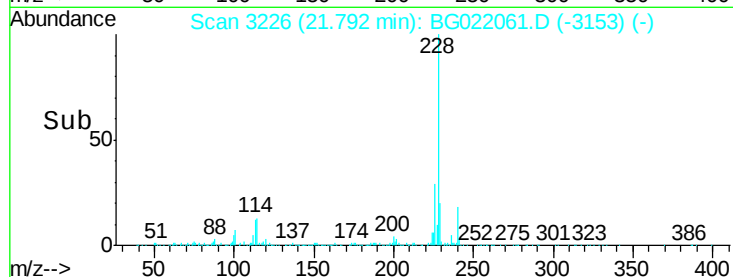
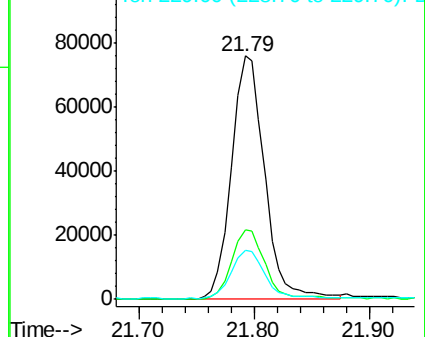
229 20.3 16.2 24.2



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



#35

Benzo(b)fluoranthene

Concen: 22.23 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. -0.00 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

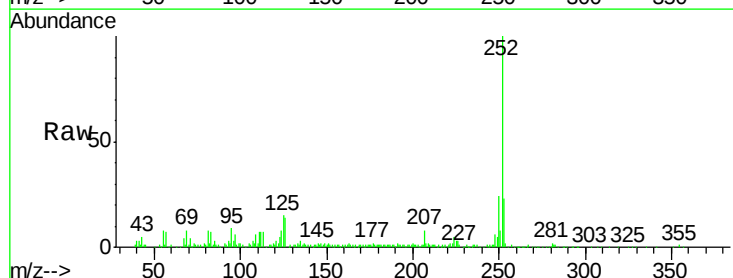
Tgt Ion:252 Resp: 170263

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

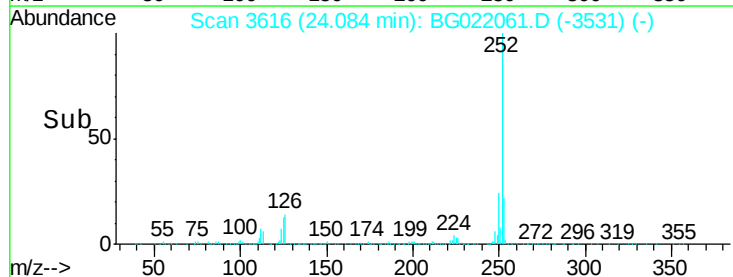
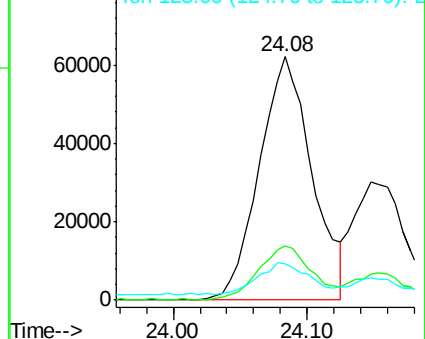
125 15.1 7.6 11.4#

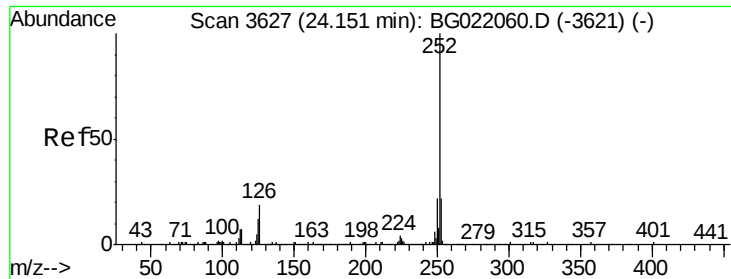


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 10.33 ng/ul

RT: 24.15 min Scan# 3627

Delta R.T. -0.00 min

Lab File: BG022061.D

Acq: 25 May 2016 16:40

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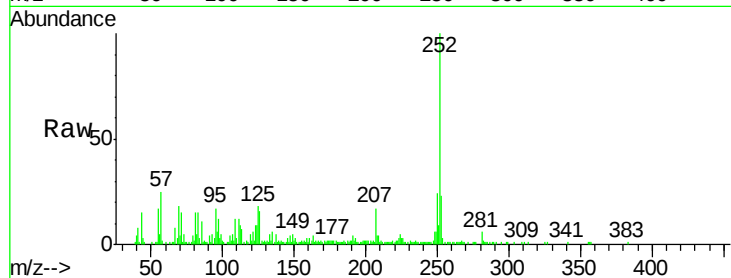
Tgt Ion:252 Resp: 77811

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 18.4 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

