

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052317\
 Data File : BG027063.D
 Acq On : 22 May 2017 18:17
 Operator : SJ/MA
 Sample : I3275-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 23 02:44:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 23 02:44:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	159985	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	764474	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	402740	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	750181	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	671937	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	580489	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.31	160	1136257	27.51	ng/ul	0.00
10) Fluorene-d10	15.61	176	741101	26.89	ng/ul	0.00
14) Anthracene-d10	17.46	188	1053988	28.82	ng/ul	0.00
18) Pyrene-d10	19.74	212	1019806	29.07	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	862796	29.91	ng/ul	0.00

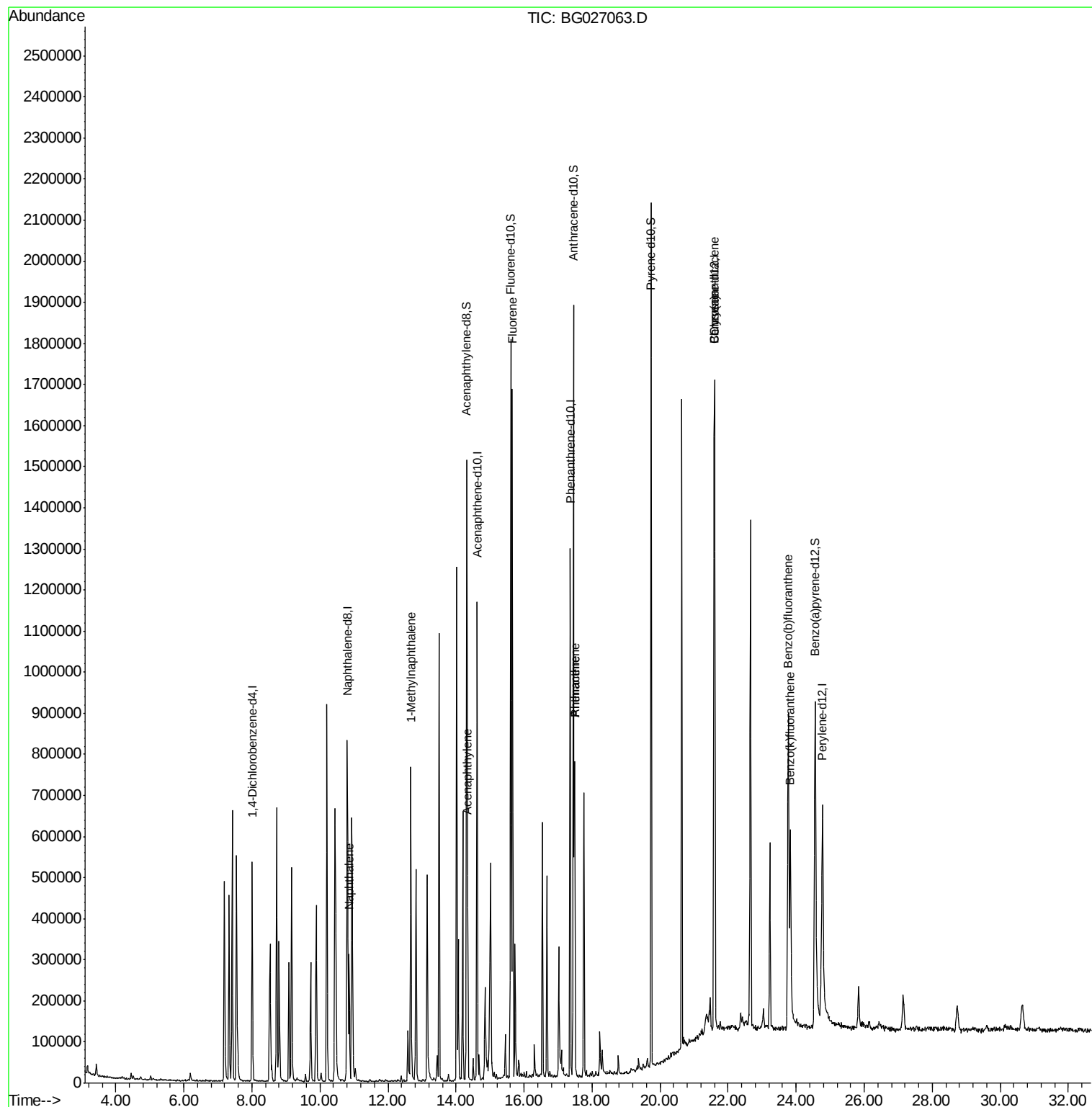
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.86	128	282217	7.12	ng/ul	99
5) 1-Methylnaphthalene	12.67	142	378115	11.95	ng/ul#	95
8) Acenaphthylene	14.34	152	331989	8.00	ng/ul	99
11) Fluorene	15.66	166	679124	22.43	ng/ul	97
13) Phenanthrene	17.49	178	474790	11.32	ng/ul	99
15) Anthracene	17.49	178	474790	11.02	ng/ul	98
20) Benzo(a)anthracene	21.59	228	698007	17.24	ng/ul	98
21) Chrysene	21.59	228	698007	18.78	ng/ul	97
23) Benzo(b)fluoranthene	23.77	252	704250	20.41	ng/ul#	95
24) Benzo(k)fluoranthene	23.83	252	405052	11.41	ng/ul#	95

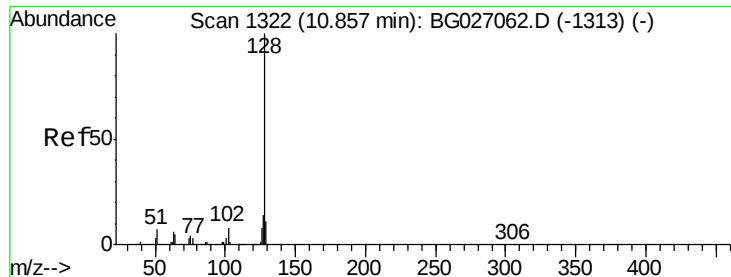
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.12 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

Instrument :

BNA_G

ClientSampleId :

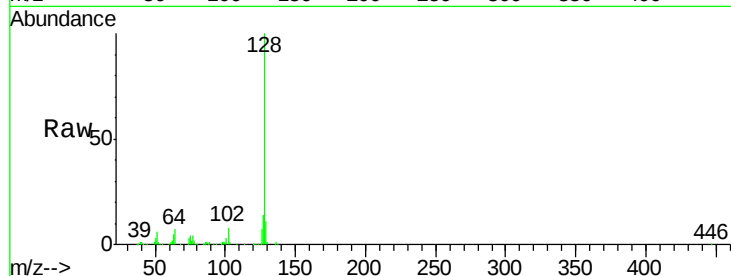
Tot Ion:128 Resp: 282217

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	14.2	10.6	16.0

128 100

129 10.7 8.7 13.1

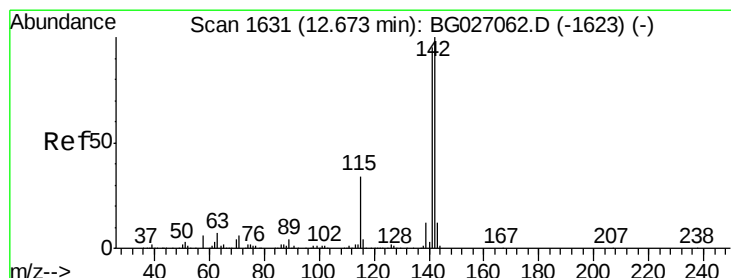
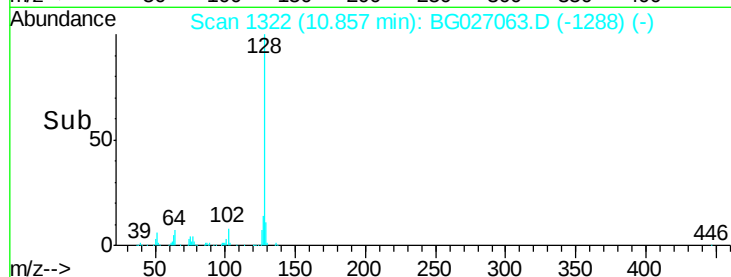
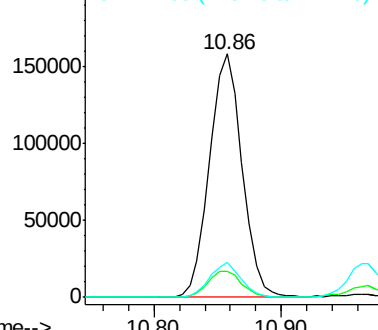
127 14.2 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

1-Methylnaphthalene

Concen: 11.95 ng/ul

RT: 12.67 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

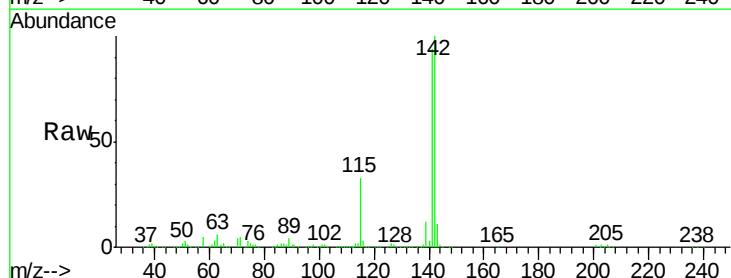
Tgt Ion:142 Resp: 378115

Ion	Ratio	Lower	Upper
142	100		
141	94.0	79.3	118.9
116	2.9	4.2	6.2

142 100

141 94.0 79.3 118.9

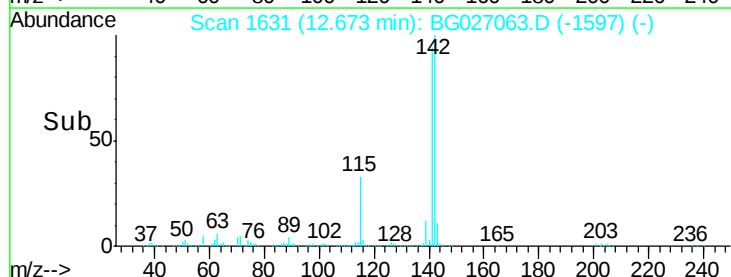
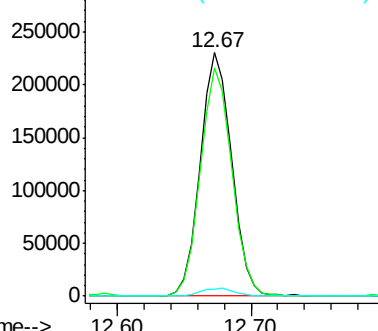
116 2.9 4.2 6.2

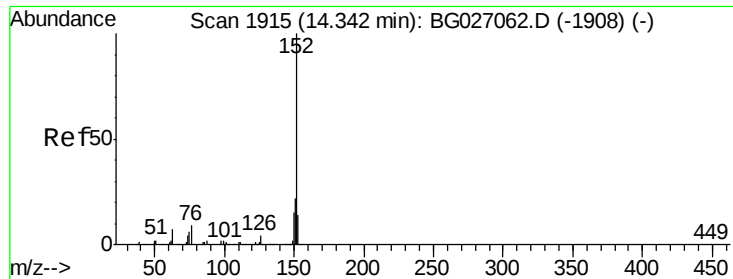


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#8

Acenaphthylene

Concen: 8.00 ng/ul

RT: 14.34 min Scan# 1915

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

Instrument :

BNA_G

ClientSampleId :

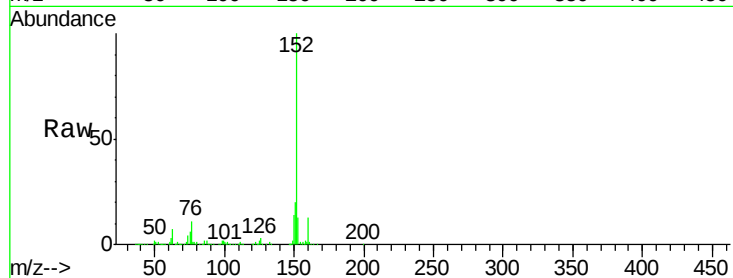
Tot Ion:152 Resp: 331989

Ion Ratio Lower Upper

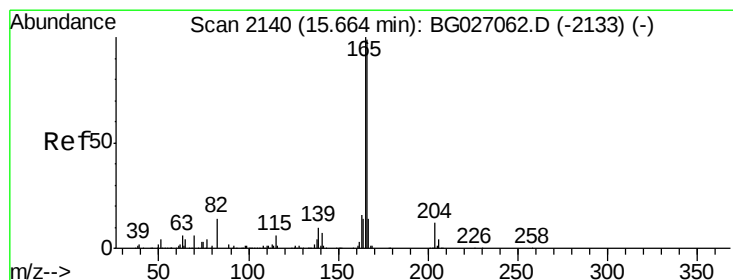
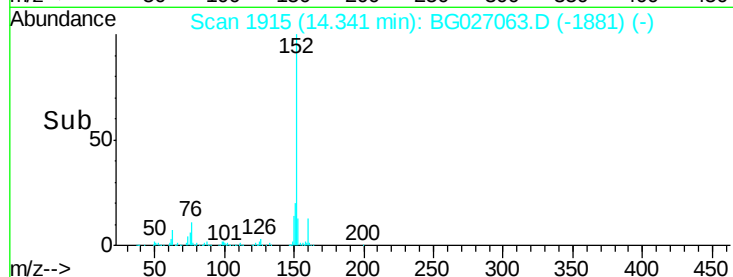
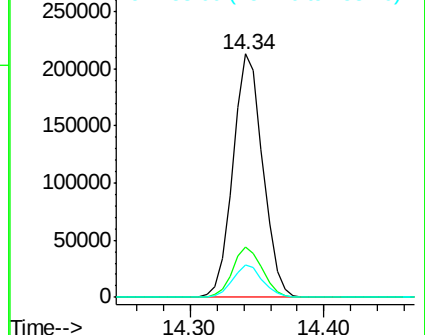
152 100

151 20.5 16.7 25.1

153 13.5 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#11

Fluorene

Concen: 22.43 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

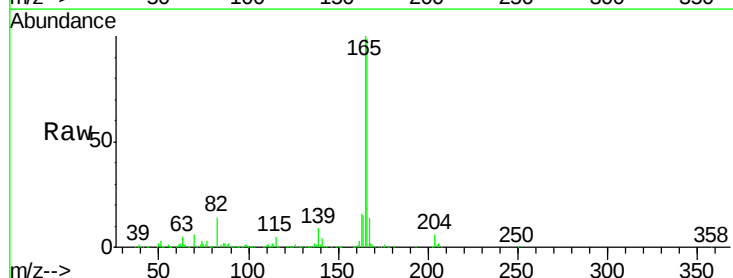
Tgt Ion:166 Resp: 679124

Ion Ratio Lower Upper

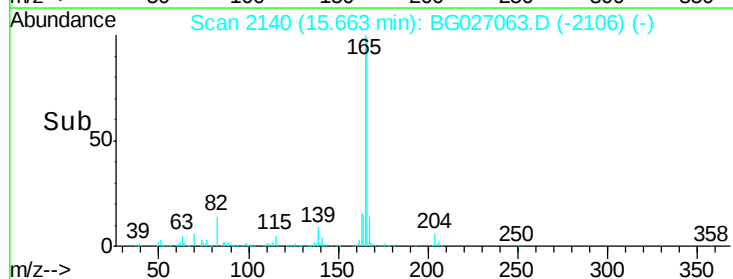
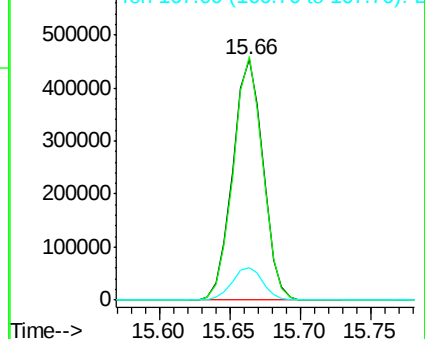
166 100

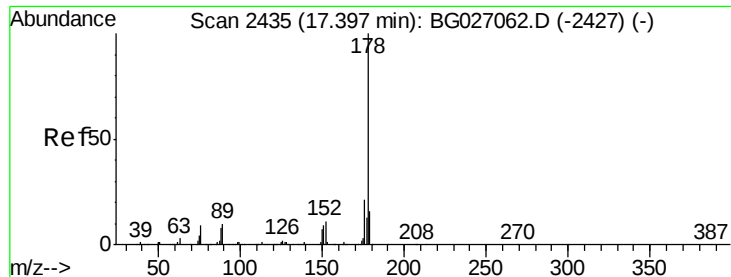
165 101.2 83.8 125.8

167 13.7 11.5 17.3



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





#13

Phenanthrene

Concen: 11.32 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.09 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

Instrument :

BNA_G

ClientSampleId :

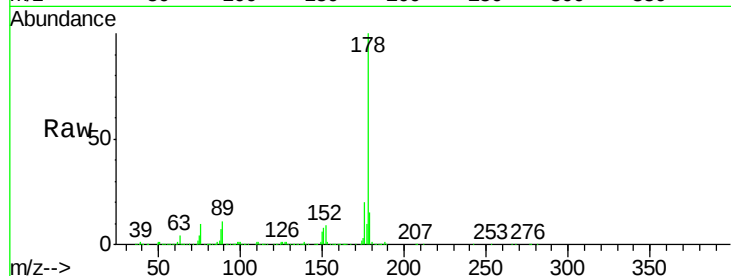
Tot Ion:178 Resp: 474790

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

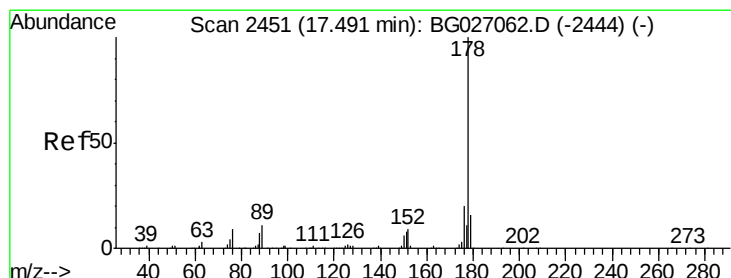
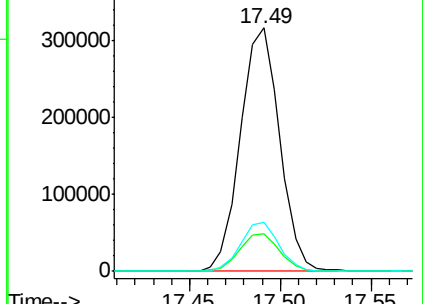
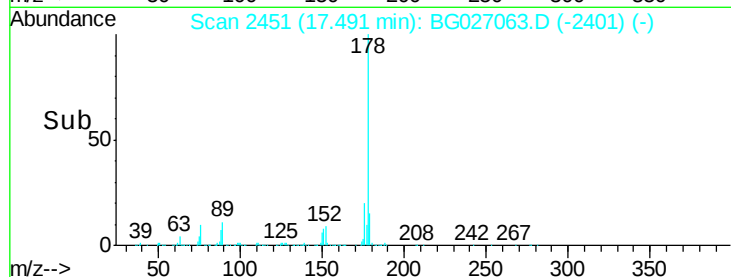
176 20.1 15.1 22.7



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



#15

Anthracene

Concen: 11.02 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

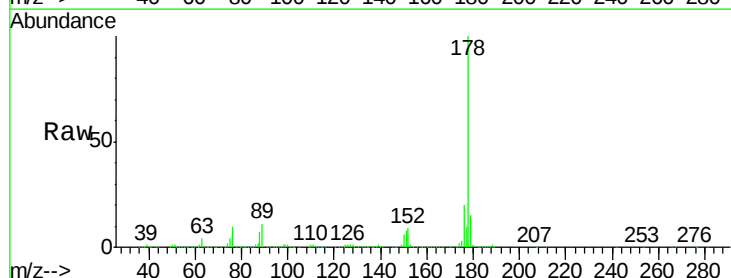
Tgt Ion:178 Resp: 474790

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

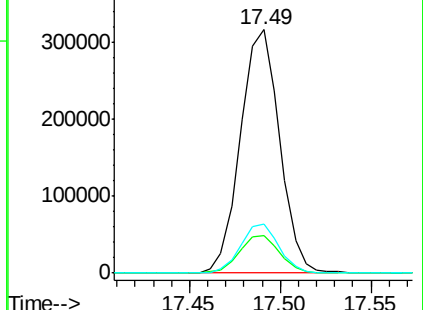
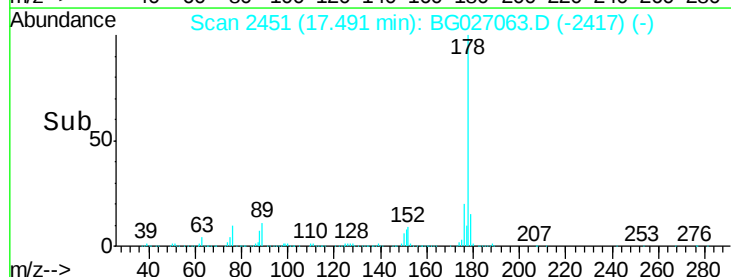
176 20.1 15.2 22.8

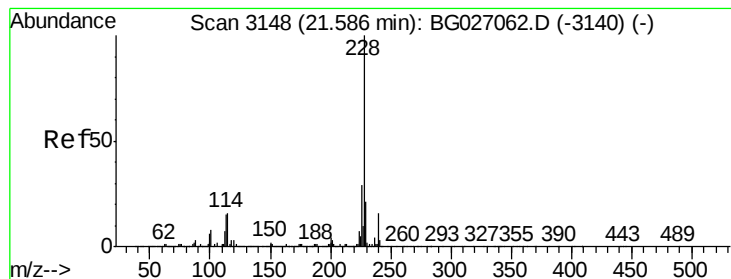


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#20

Benzo(a)anthracene

Concen: 17.24 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

Instrument :

BNA_G

ClientSampleId :

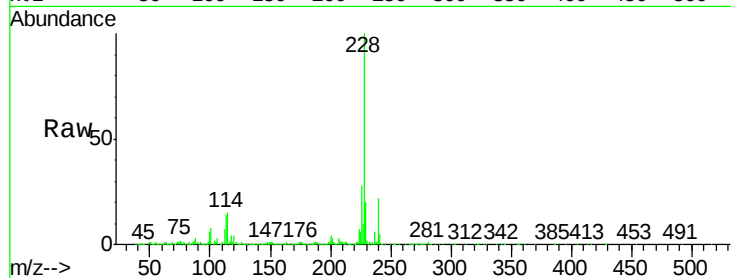
Tot Ion:228 Resp: 698007

Ion Ratio Lower Upper

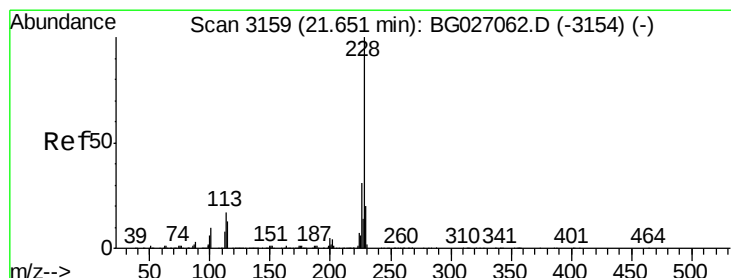
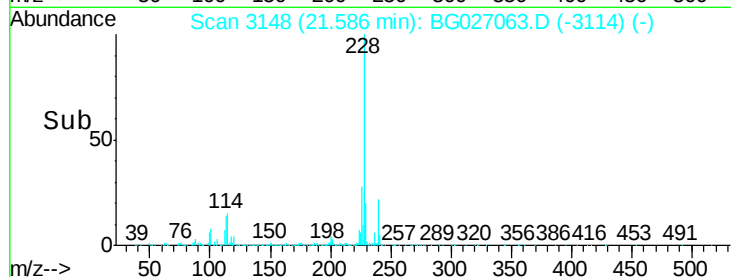
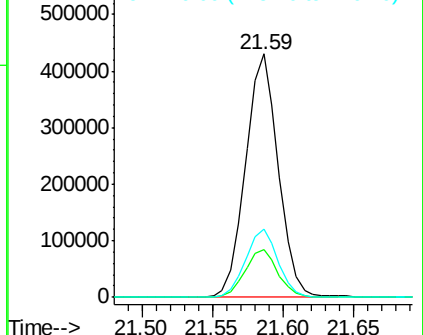
228 100

229 19.7 15.7 23.5

226 28.0 21.1 31.7



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

Chrysene

Concen: 18.78 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. -0.06 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

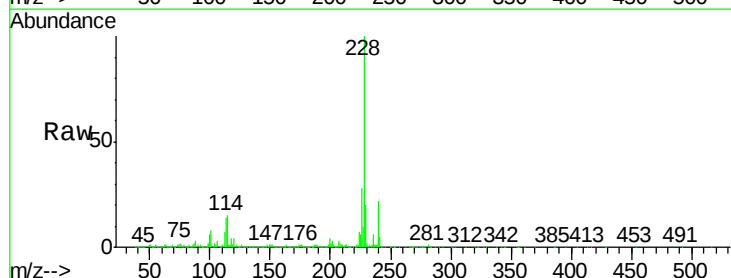
Tgt Ion:228 Resp: 698007

Ion Ratio Lower Upper

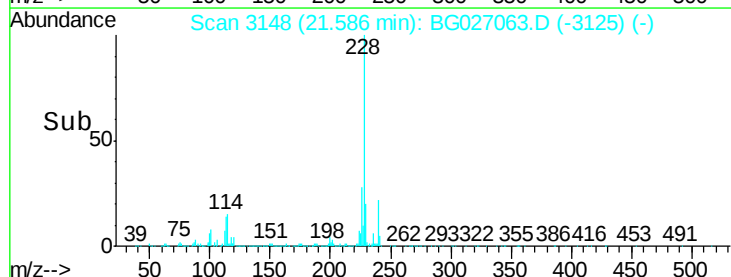
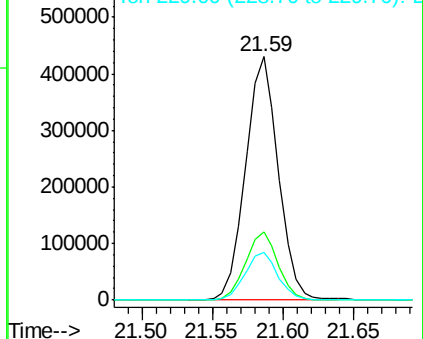
228 100

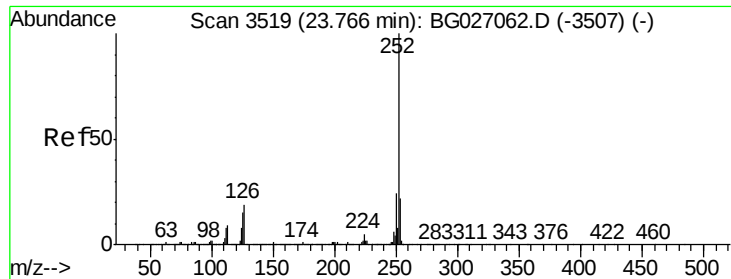
226 28.0 24.5 36.7

229 19.7 15.8 23.8



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





#23

Benzo(b)fluoranthene

Concen: 20.41 ng/ul

RT: 23.77 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

Instrument :

BNA_G

ClientSampleId :

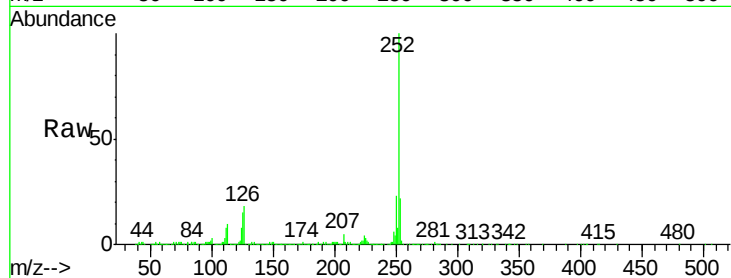
Tot Ion:252 Resp: 704250

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

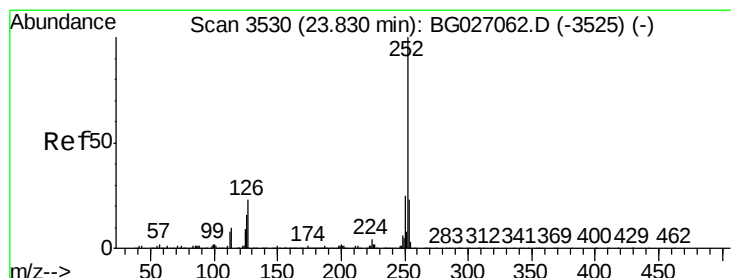
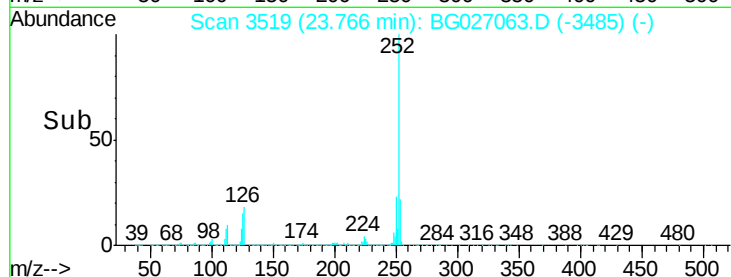
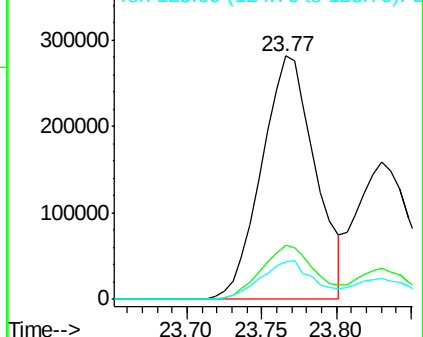
125 15.3 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 11.41 ng/ul

RT: 23.83 min Scan# 3530

Delta R.T. -0.00 min

Lab File: BG027063.D

Acq: 22 May 2017 18:17

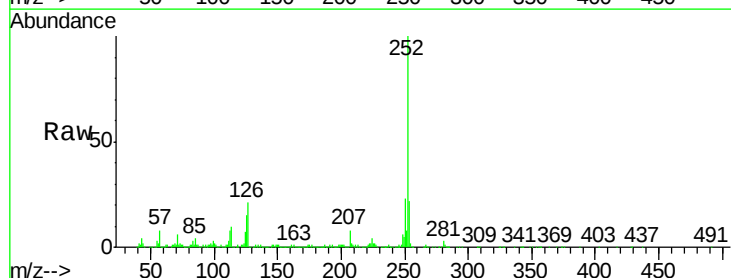
Tgt Ion:252 Resp: 405052

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 15.5 8.1 12.1#



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

