

Data File : BG027540.D
Acq On : 19 Jun 2017 22:17
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5D37

Quant Time: Jun 20 01:52:26 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 20 01:50:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	36529	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	187778	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	124488	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	287382	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	331488	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	320368	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	1604	1.76	ng/uL	0.00
5) Phenol-d5	7.65	99	48322	12.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	35352	13.09	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	32822	12.54	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	42063	13.58	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	17382	12.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	17390	12.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	35391	12.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	51952	14.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	138518	13.29	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	160340	13.36	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	3247	1.59	ng/ul	0.00
57) Fluorene-d10	16.09	176	125733	12.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	2689	1.51	ng/ul	0.00
70) Anthracene-d10	17.95	188	196685	14.68	ng/ul	0.00
76) Pyrene-d10	20.22	212	233866	14.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.64	264	218430	15.14	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	7.68	94	4311	1.04	ng/ul	88
28) Naphthalene	11.39	128	21113	2.19	ng/ul#	93
44) Dimethylphthalate	14.53	163	40215	3.89	ng/ul	97
47) Acenaphthylene	14.83	152	12424	1.03	ng/ul	97
69) Phenanthrene	17.90	178	60590	3.92	ng/ul	98
71) Anthracene	17.99	178	36053	2.30	ng/ul	99
72) Carbazole	18.25	167	16754	1.24	ng/ul#	94
74) Fluoranthene	19.89	202	546234	31.44	ng/ul#	88
77) Pyrene	20.25	202	681702	34.79	ng/ul#	86
80) Benzo(a)anthracene	22.21	228	400709	21.71	ng/ul	98
82) Chrysene	22.28	228	507929	30.47	ng/ul	97
85) Benzo(b)fluoranthene	24.73	252	1015762	53.24	ng/ul#	95
86) Benzo(k)fluoranthene	24.73	252	1015762	55.38	ng/ul#	97
88) Benzo(a)pyrene	25.72	252	455878	24.88	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	30.09	276	311305	14.89	ng/ul#	94
90) Dibenzo(a,h)anthracene	30.14	278	90281	5.03	ng/ul#	93
91) Benzo(g,h,i)perylene	31.40	276	185140	10.81	ng/ul#	89

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

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ClientSampleId :

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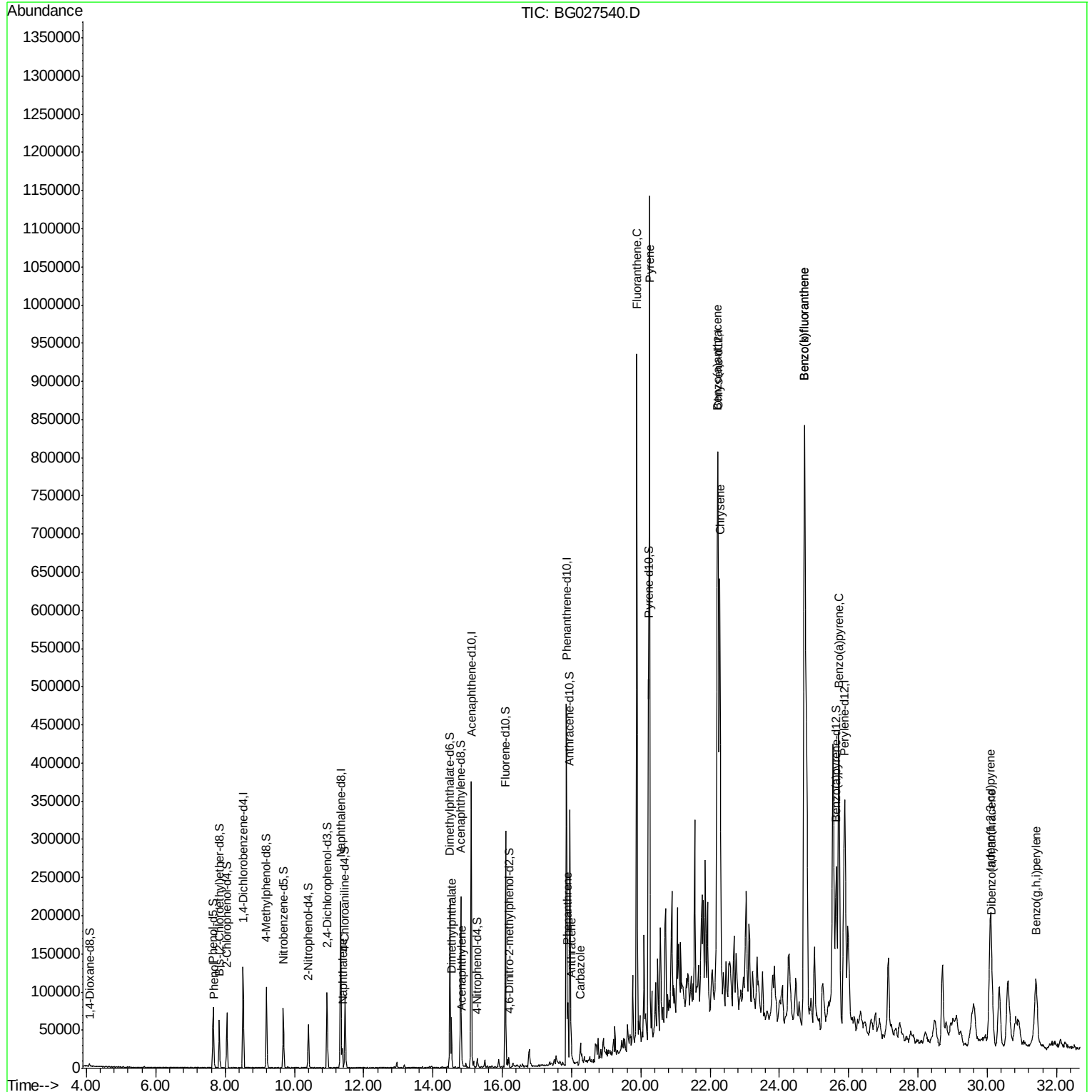
Quant Time: Jun 20 01:52:26 2017

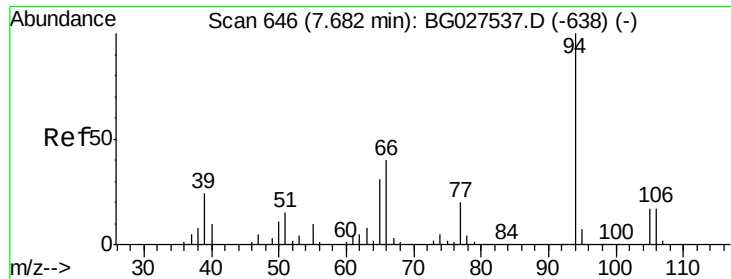
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 20 01:50:01 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.04 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

Instrument :

BNA_G

ClientSampleId :

F5D37

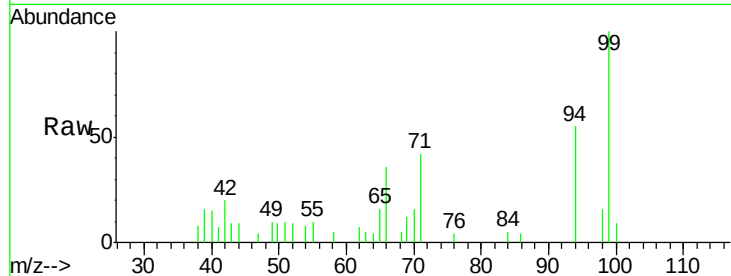
Tgt Ion: 94 Resp: 4311

Ion Ratio Lower Upper

94 100

65 29.2 26.8 40.2

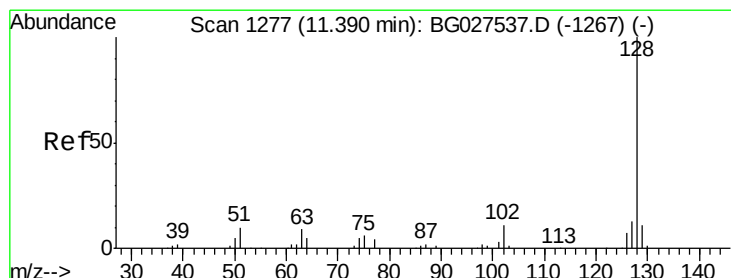
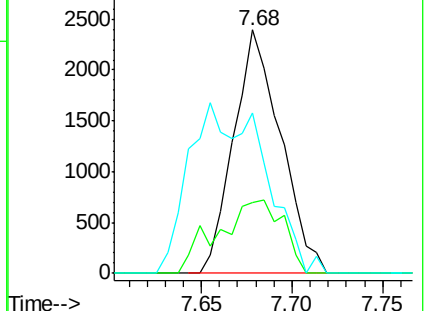
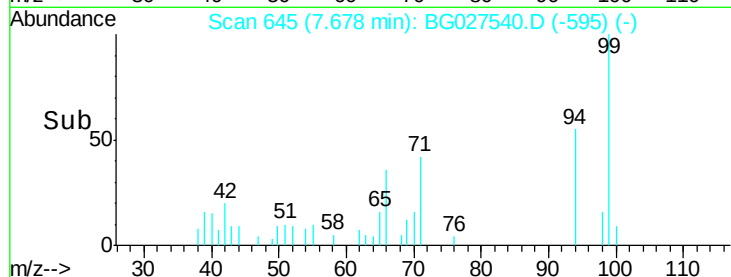
66 65.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 2.19 ng/ul

RT: 11.39 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

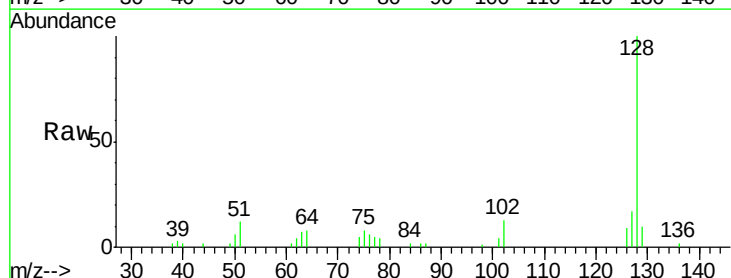
Tgt Ion: 128 Resp: 21113

Ion Ratio Lower Upper

128 100

129 10.1 9.4 14.2

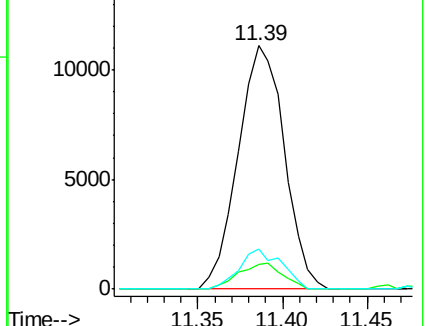
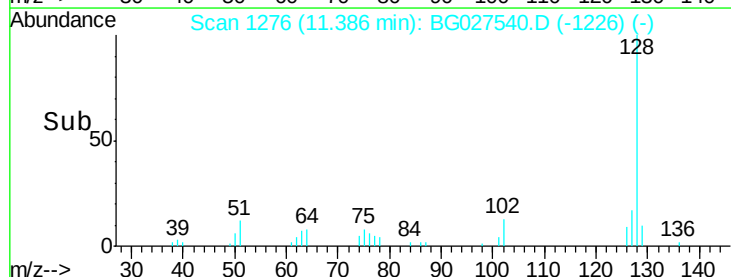
127 16.7 10.3 15.5#

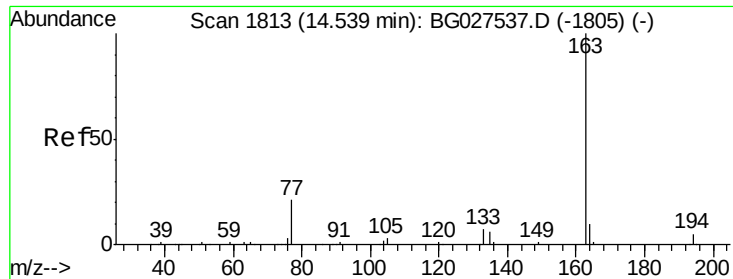


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

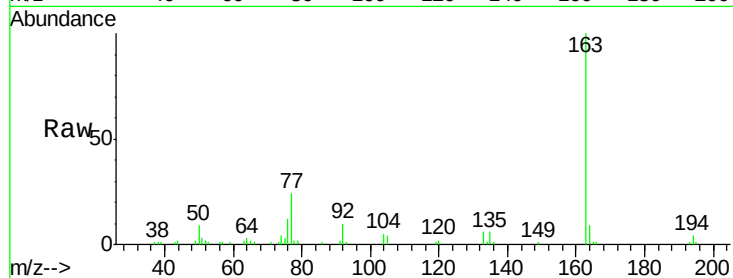




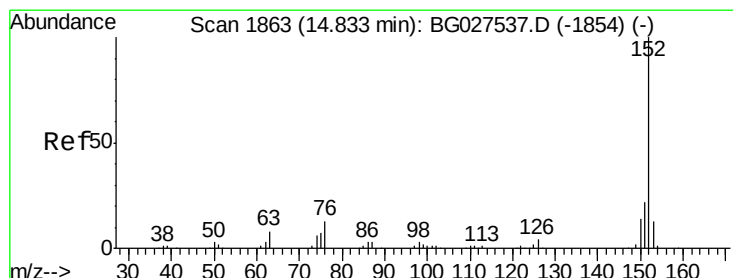
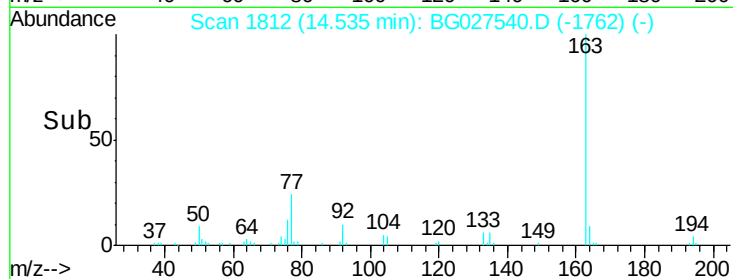
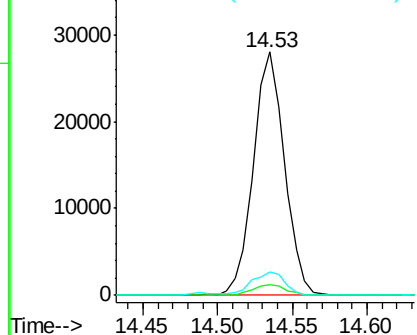
#44
Dimethylphthalate
Concen: 3.89 ng/ul
RT: 14.53 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG027540.D
Acq: 19 Jun 2017 22:17

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ClientSampleId :
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Tgt Ion:163 Resp: 40215
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.5 9.0 13.4

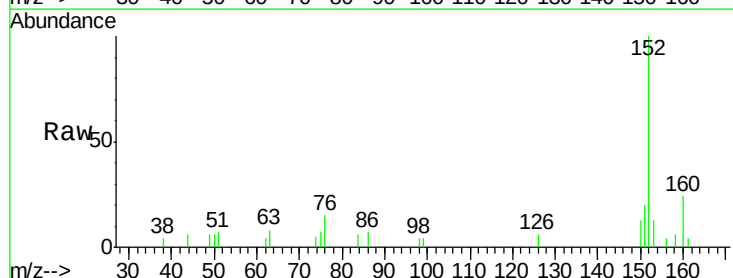


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

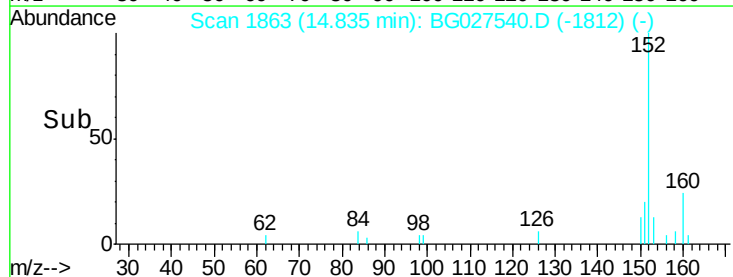
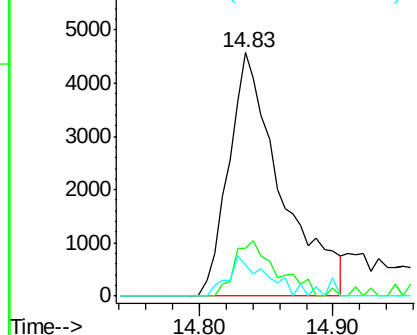


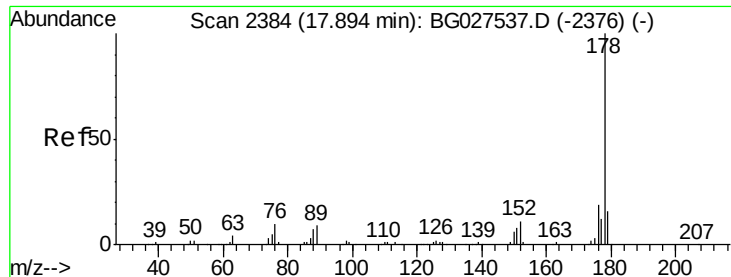
#47
Acenaphthylene
Concen: 1.03 ng/ul
RT: 14.83 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BG027540.D
Acq: 19 Jun 2017 22:17

Tgt Ion:152 Resp: 12424
Ion Ratio Lower Upper
152 100
151 19.5 16.7 25.1
153 12.9 11.4 17.2



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





#69

Phenanthrene

Concen: 3.92 ng/ul

RT: 17.90 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

Instrument :

BNA_G

ClientSampleId :

F5D37

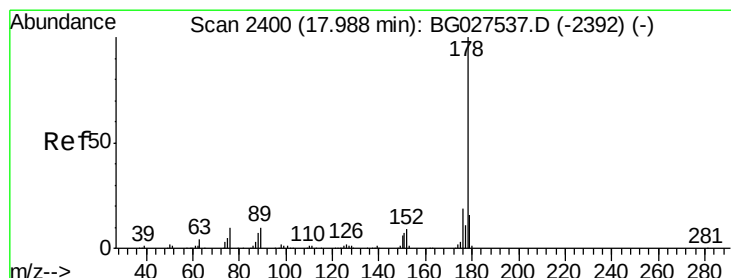
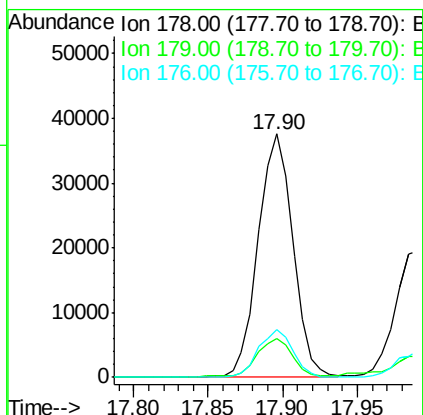
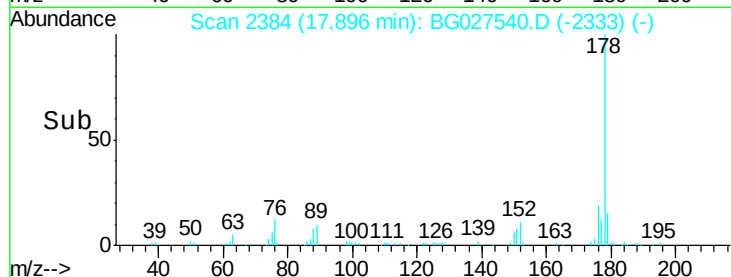
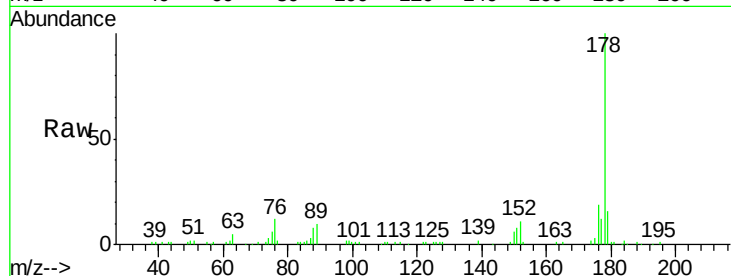
Tgt Ion:178 Resp: 60590

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

176 19.4 16.5 24.7



#71

Anthracene

Concen: 2.30 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

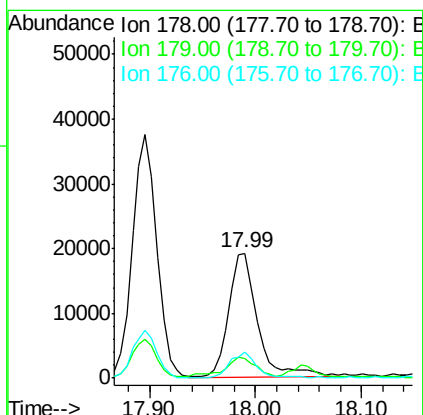
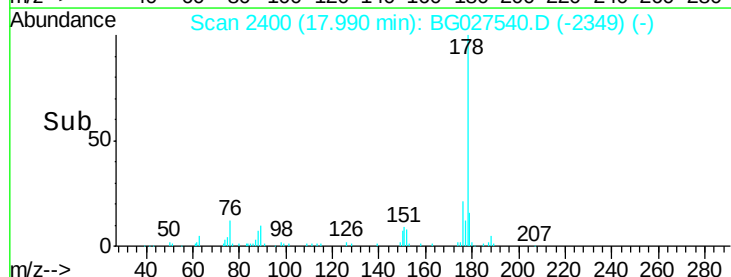
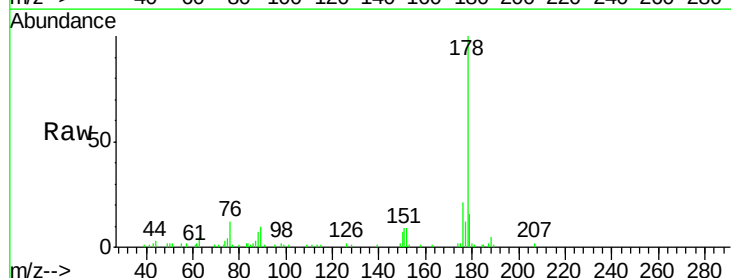
Tgt Ion:178 Resp: 36053

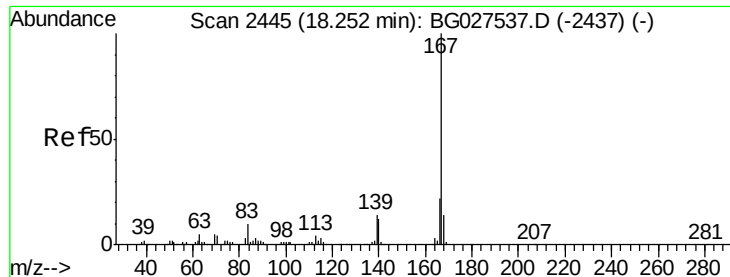
Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 20.8 15.9 23.9





#72

Carbazole

Concen: 1.24 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

Instrument :

BNA_G

ClientSampleId :

F5D37

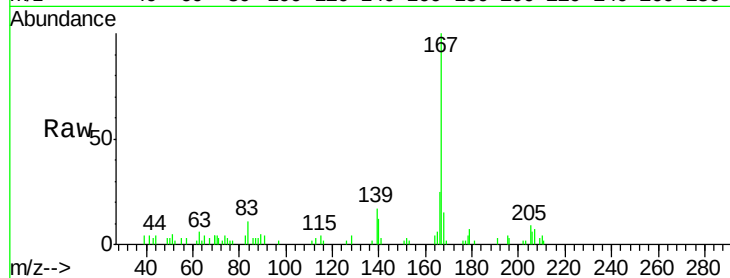
Tgt Ion:167 Resp: 16754

Ion Ratio Lower Upper

167 100

166 24.5 17.9 26.9

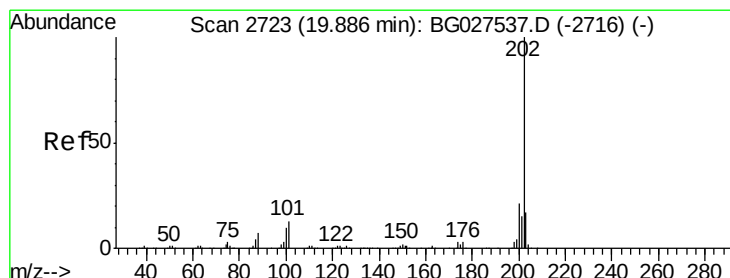
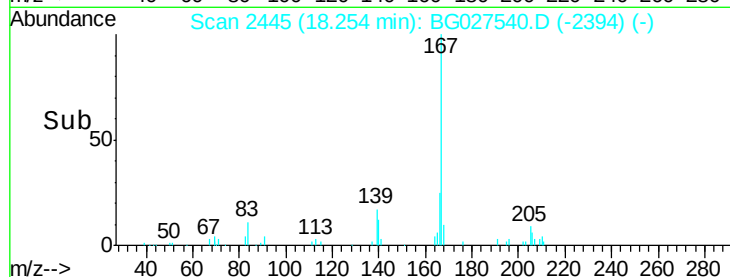
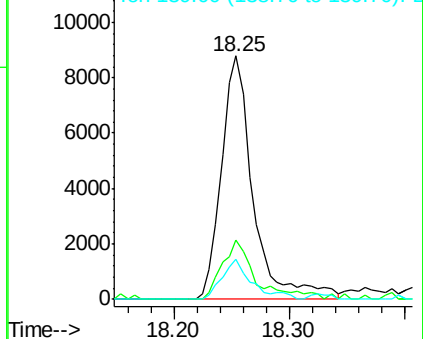
139 16.7 10.5 15.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 31.44 ng/ul

RT: 19.89 min Scan# 2723

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

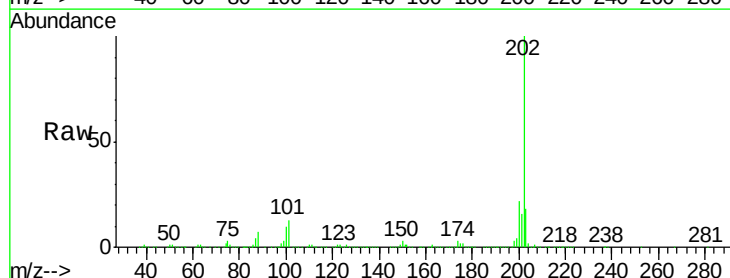
Tgt Ion:202 Resp: 546234

Ion Ratio Lower Upper

202 100

101 12.6 6.2 9.2#

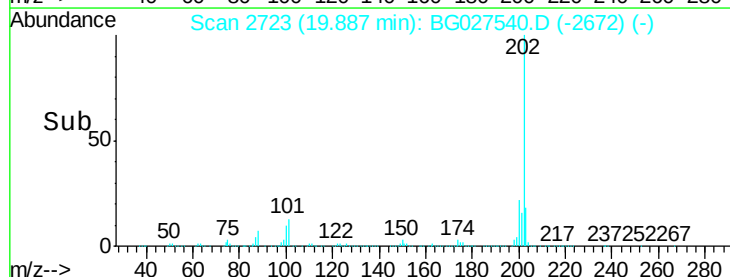
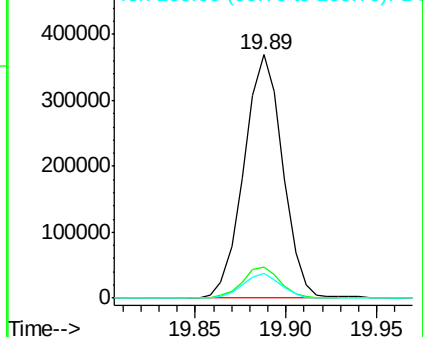
100 10.1 5.2 7.8#

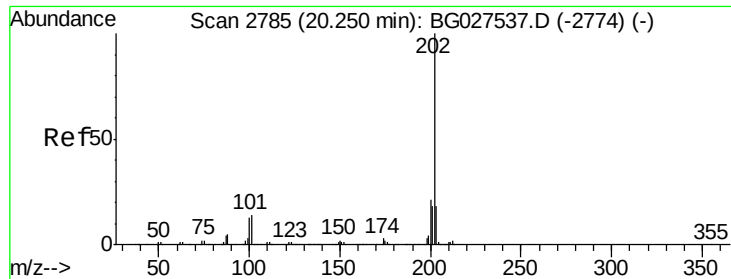


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 34.79 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

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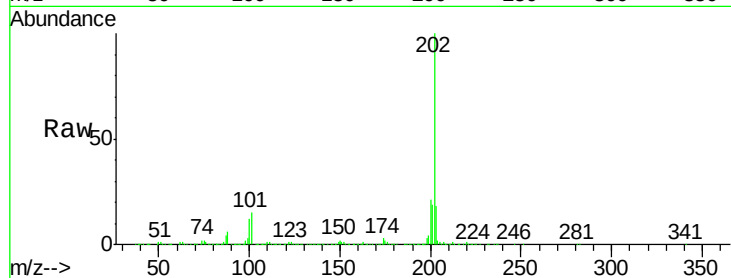
Tgt Ion:202 Resp: 681702

Ion Ratio Lower Upper

202 100

101 14.6 6.9 10.3#

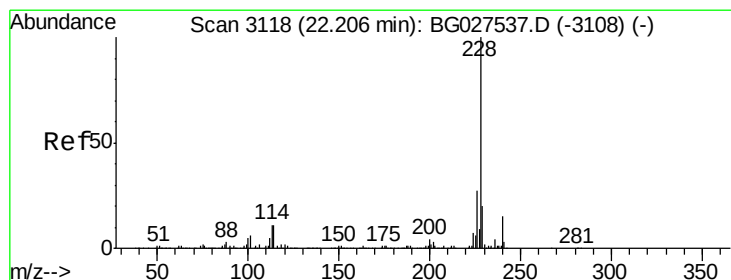
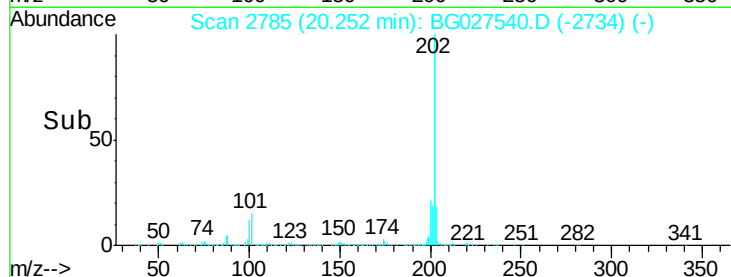
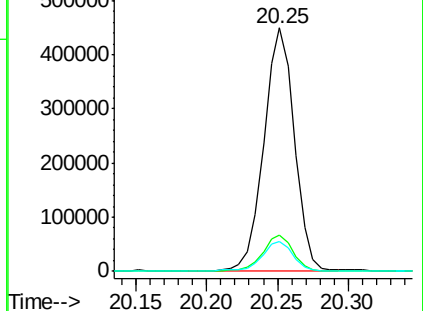
100 12.3 6.6 10.0#



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



#80

Benzo(a)anthracene

Concen: 21.71 ng/ul

RT: 22.21 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG027540.D

Acq: 19 Jun 2017 22:17

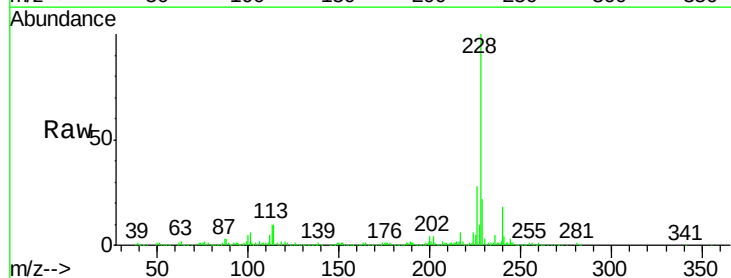
Tgt Ion:228 Resp: 400709

Ion Ratio Lower Upper

228 100

229 21.7 16.3 24.5

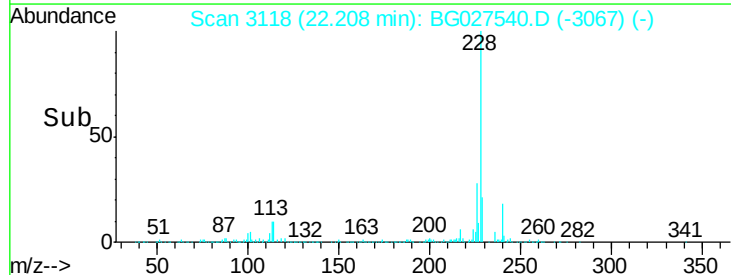
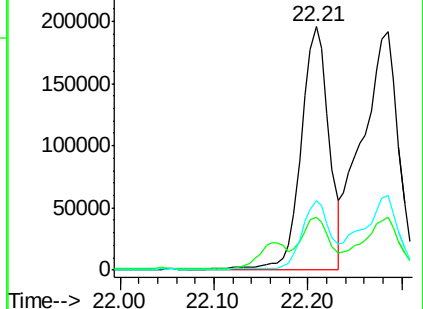
226 28.4 21.9 32.9

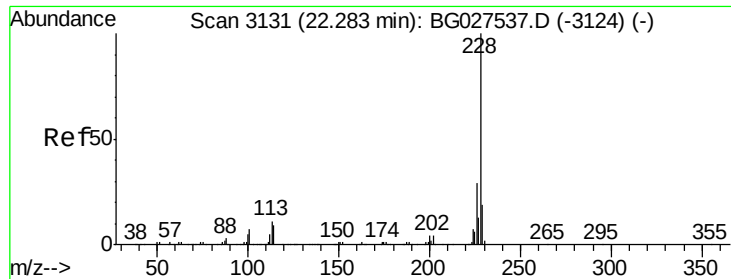


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

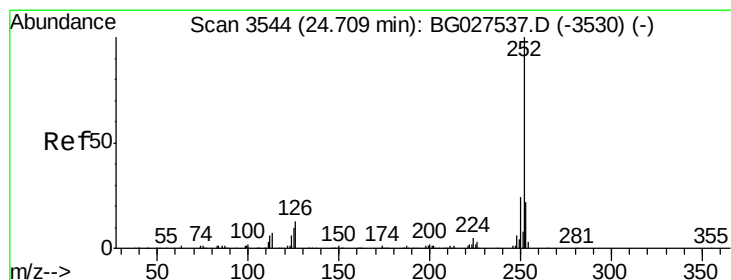
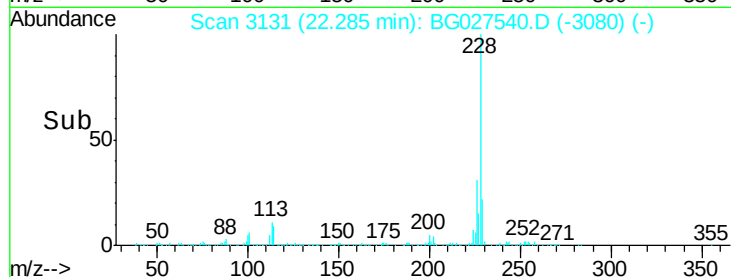
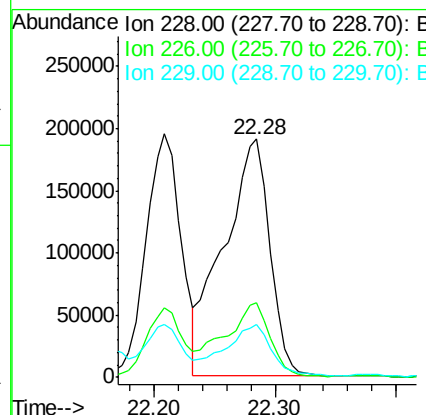
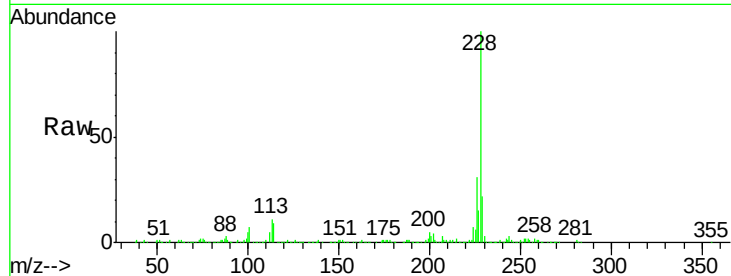




#82
 Chrysene
 Concen: 30.47 ng/ul
 RT: 22.28 min Scan# 3131
 Delta R.T. 0.00 min
 Lab File: BG027540.D
 Acq: 19 Jun 2017 22:17

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Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	22.3	16.9	25.3



#85
 Benzo(b)fluoranthene
 Concen: 53.24 ng/ul
 RT: 24.73 min Scan# 3547
 Delta R.T. 0.02 min
 Lab File: BG027540.D
 Acq: 19 Jun 2017 22:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.0	4.0	6.0

