

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
 Data File : BG027547.D
 Acq On : 20 Jun 2017 2:56
 Operator : SJ/MA
 Sample : I3627-13 25X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5E24

Manual Integrations
 APPROVED

mohammad
 6/20/2017 11:56:07 AM

Quant Time: Jun 20 03:52:26 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	34751	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	173524	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	112158	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	250302m	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	287158m	20.00	ng/ul	0.00
83) Perylene-d12	25.88	264	260248	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.65	99	2917	0.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2092	0.81	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2230	0.90	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	1935	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	1729	1.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.41	143	1099	0.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	2182	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	14.49	166	9180	0.98	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	10117	0.94	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	16.09	176	9526	1.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.95	188	12898	1.11	ng/ul	0.00
76) Pyrene-d10	20.22	212	14356m	1.02	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	12030	1.03	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.40	128	2994704	335.83	ng/ul#	93
34) 2-Methylnaphthalene	12.95	142	561286	84.88	ng/ul	95
40) 1,1'-Biphenyl	13.94	154	147362	16.61	ng/ul#	93
47) Acenaphthylene	14.83	152	32896	3.03	ng/ul#	95
49) Acenaphthene	15.17	153	520012	68.79	ng/ul	97
53) Dibenzofuran	15.50	168	570414	51.77	ng/ul	98
58) Fluorene	16.15	166	618420	67.63	ng/ul	100
69) Phenanthrene	17.91	178	2382570m	177.13	ng/ul	
71) Anthracene	17.99	178	392238	28.68	ng/ul	99
72) Carbazole	18.25	167	177043	15.05	ng/ul	99
74) Fluoranthene	19.89	202	1415539m	93.53	ng/ul	
77) Pyrene	20.25	202	950012m	55.97	ng/ul	
80) Benzo(a)anthracene	22.21	228	361670m	22.62	ng/ul	
82) Chrysene	22.28	228	262983	18.21	ng/ul	99
85) Benzo(b)fluoranthene	24.71	252	210302	13.57	ng/ul#	97
86) Benzo(k)fluoranthene	24.78	252	85287m	5.72	ng/ul	
88) Benzo(a)pyrene	25.70	252	135300	9.09	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.07	276	48373	2.85	ng/ul#	89
91) Benzo(g,h,i)perylene	31.40	276	30540	2.20	ng/ul#	92

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

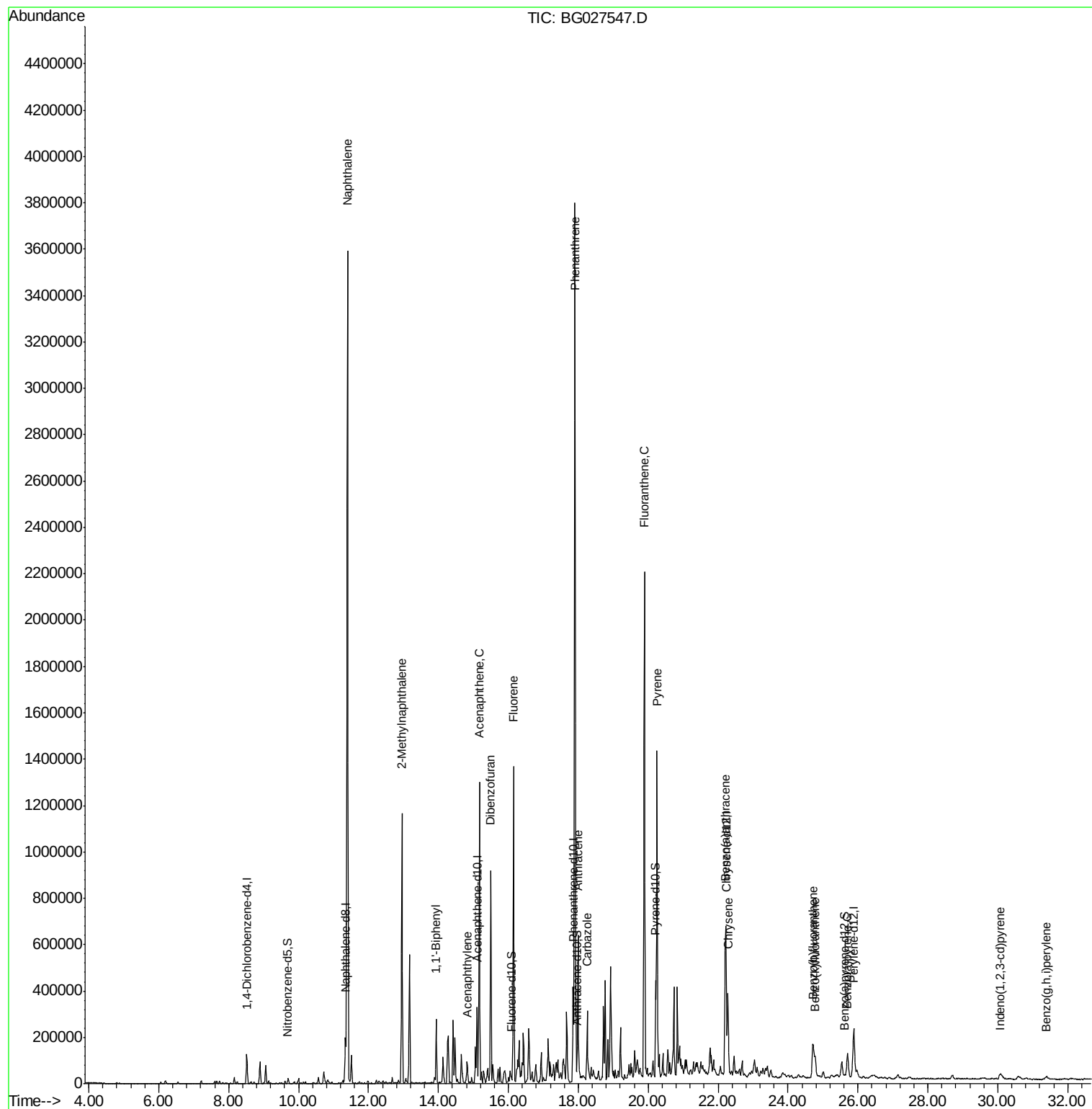
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

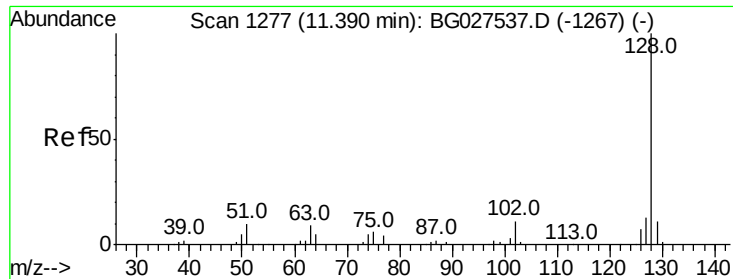
Instrument :
BNA_G
ClientSampleId :
F5E24

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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





#28

Naphthalene

Concen: 335.83 ng/ul

RT: 11.40 min Scan# 1278

Delta R.T. 0.01 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

Tot Ion:128 Resp: 2994704

Ion Ratio Lower Upper

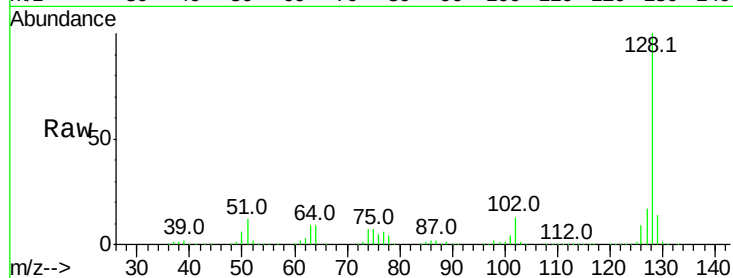
128 100

129 13.5 9.4 14.2

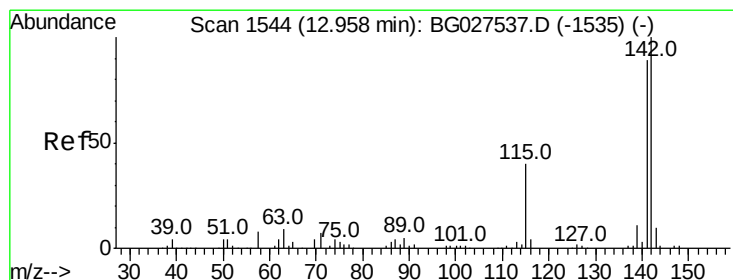
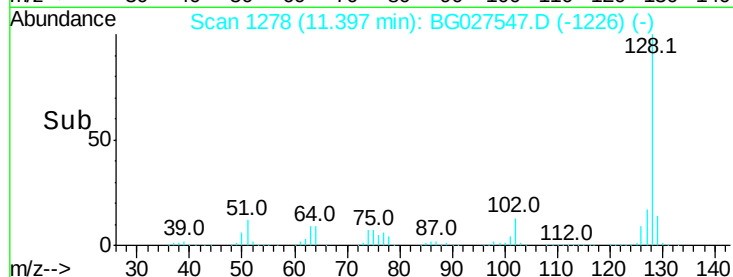
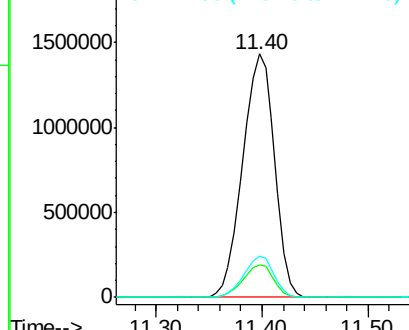
127 16.8 10.3 15.5#

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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



#34

2-Methylnaphthalene

Concen: 84.88 ng/ul

RT: 12.95 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BG027547.D

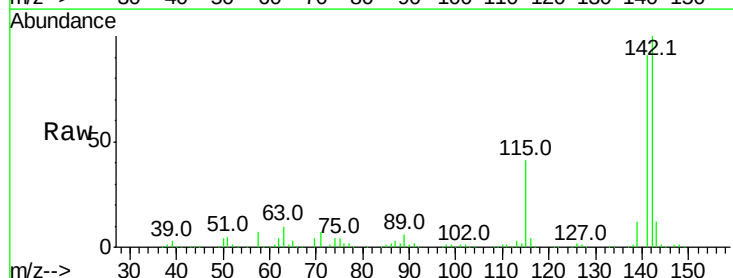
Acq: 20 Jun 2017 2:56

Tgt Ion:142 Resp: 561286

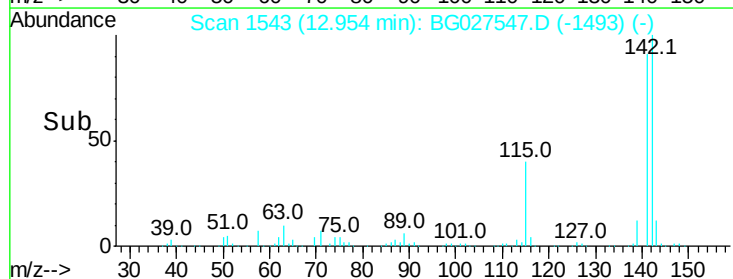
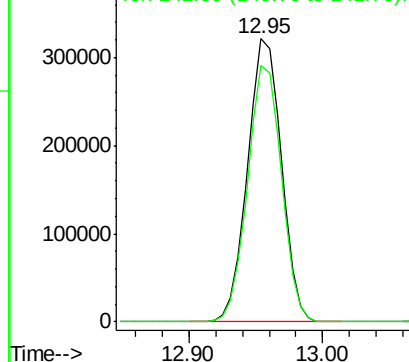
Ion Ratio Lower Upper

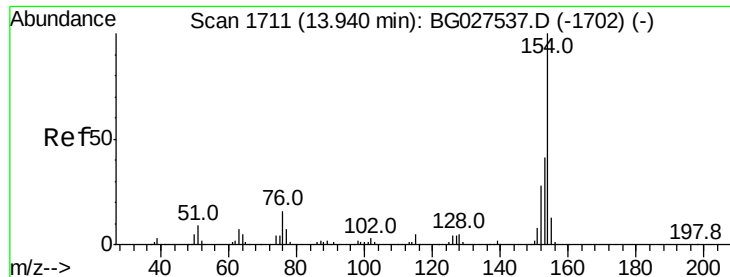
142 100

141 90.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





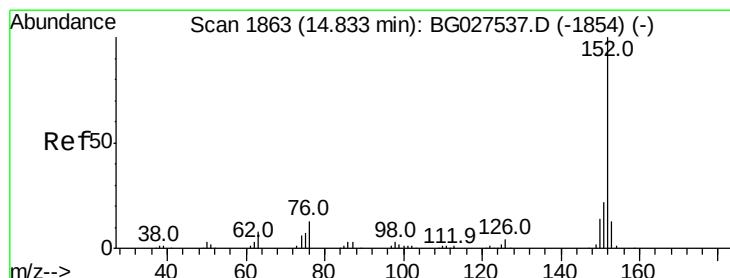
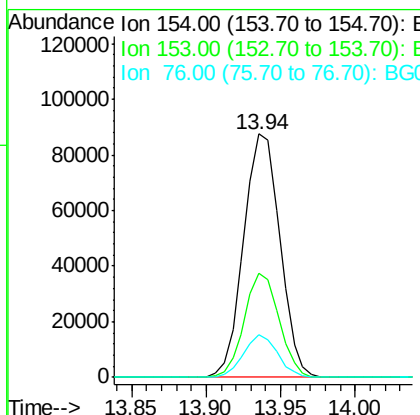
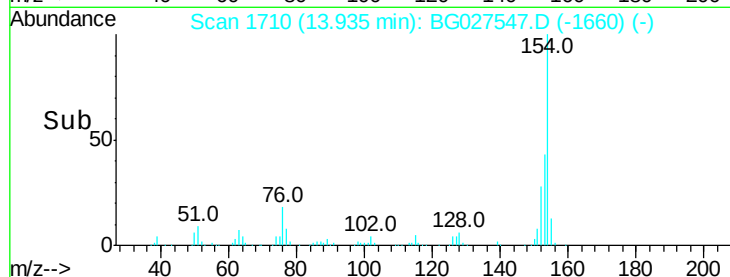
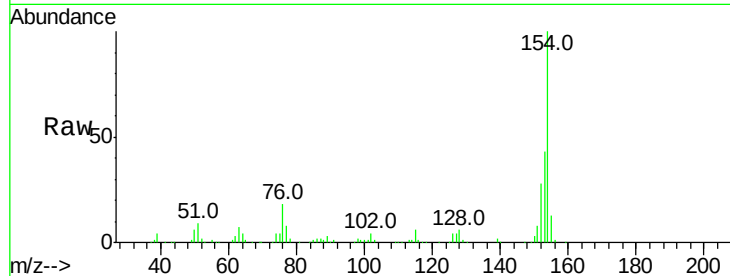
#40
 1,1'-Biphenyl
 Concen: 16.61 ng/ul
 RT: 13.94 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Instrument :
 BNA_G
 ClientSampled :
 F5E24

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	42.9	32.2	48.2
76	17.7	9.6	14.4

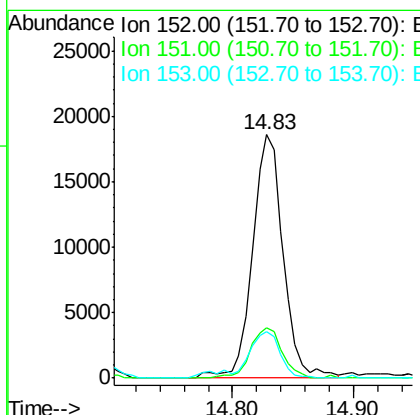
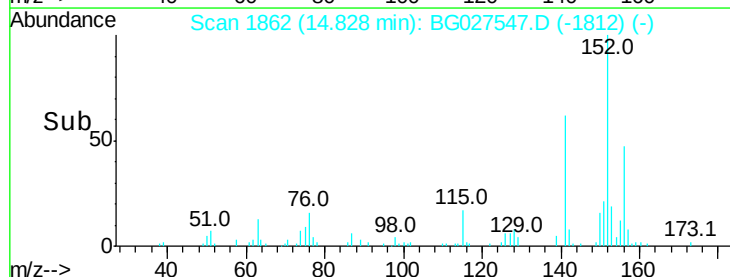
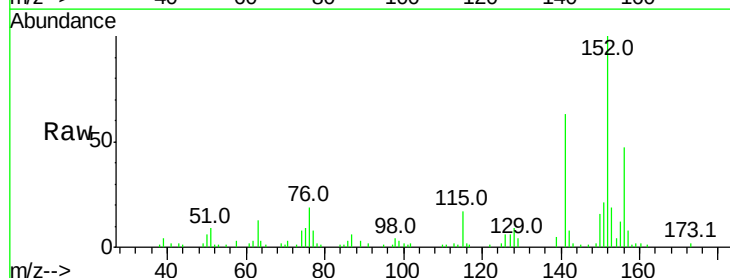
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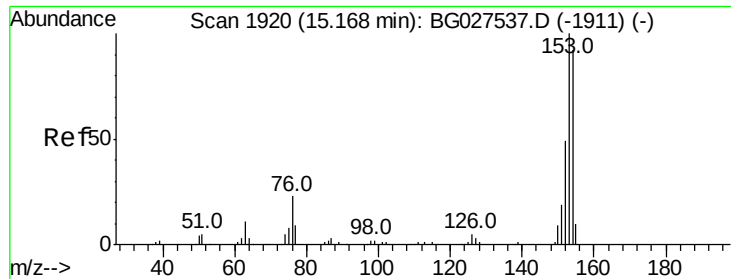
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#47
 Acenaphthylene
 Concen: 3.03 ng/ul
 RT: 14.83 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.5	16.7	25.1
153	19.1	11.4	17.2





#49

Acenaphthene

Concen: 68.79 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

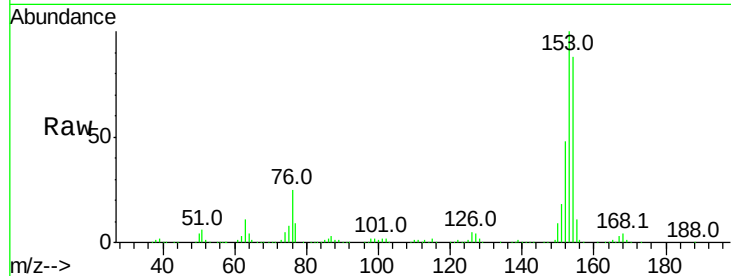
ClientSampleId :

F5E24

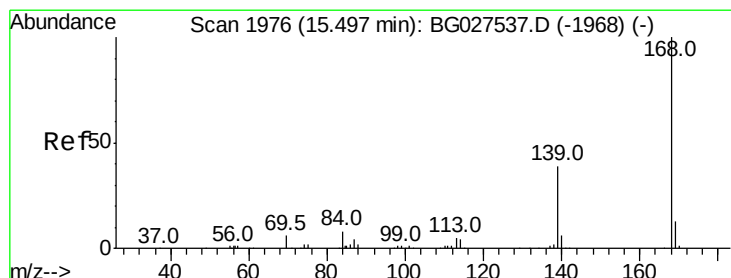
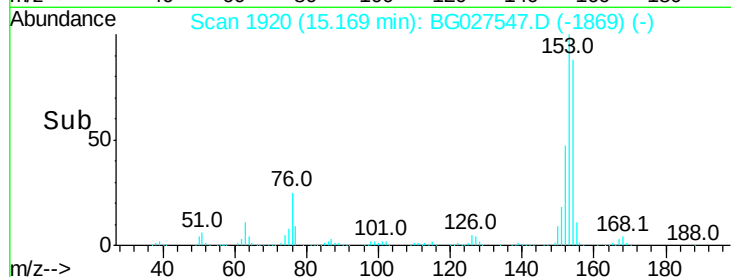
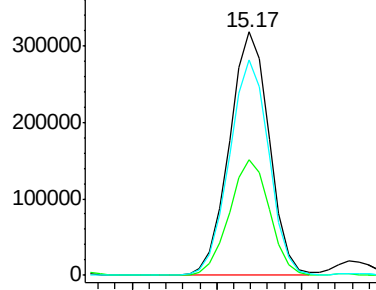
Tot Ion:153	Resp:	520012
Ion Ratio	Lower	Upper
153 100		
152 47.7	36.5	54.7
154 88.2	72.3	108.5

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 51.77 ng/ul

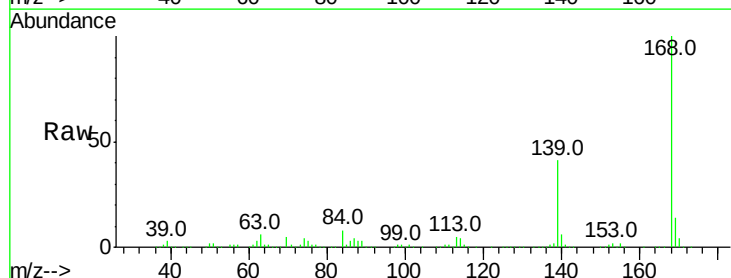
RT: 15.50 min Scan# 1976

Delta R.T. 0.00 min

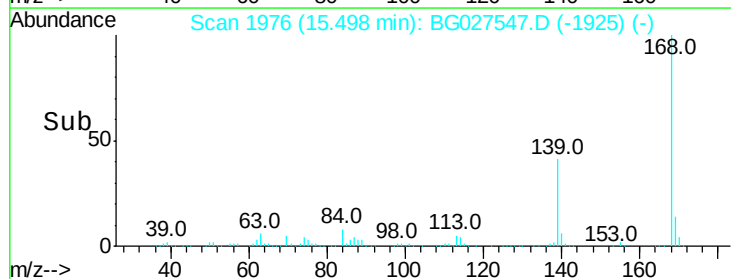
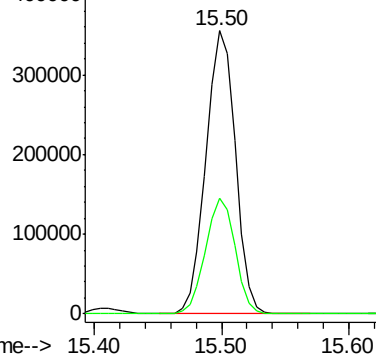
Lab File: BG027547.D

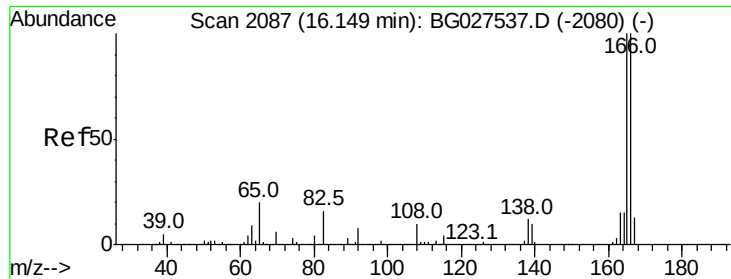
Acq: 20 Jun 2017 2:56

Tgt Ion:168	Resp:	570414
Ion Ratio	Lower	Upper
168 100		
139 41.0	33.8	50.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





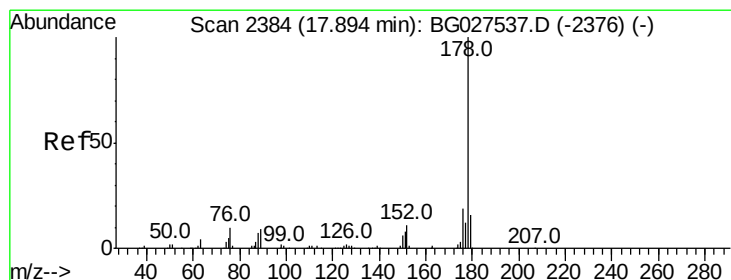
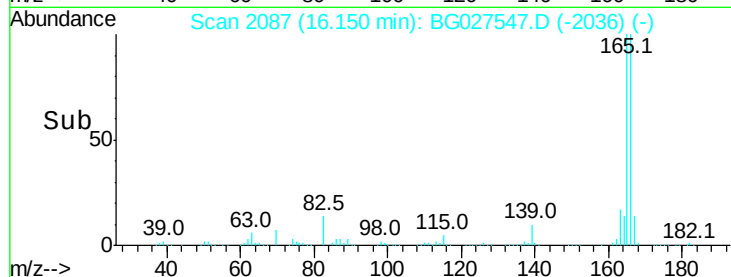
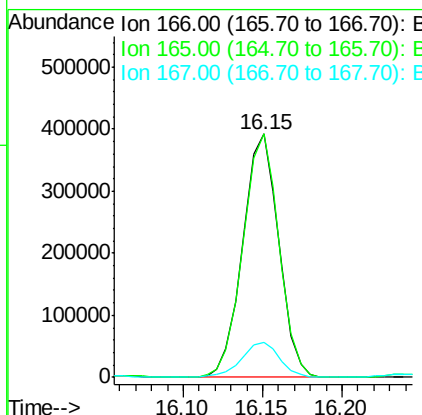
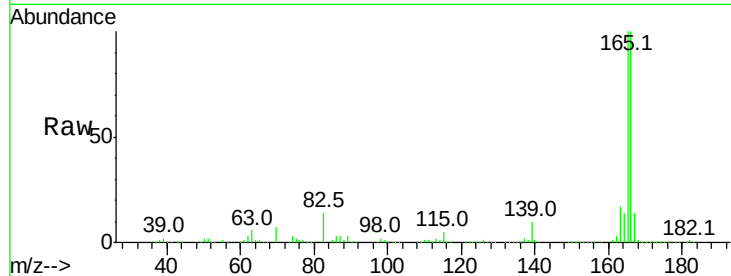
#58
 Fluorene
 Concen: 67.63 ng/ul
 RT: 16.15 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Instrument :
 BNA_G
 ClientSampled :
 F5E24

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.9	79.7	119.5	
167	14.1	11.4	17.2	

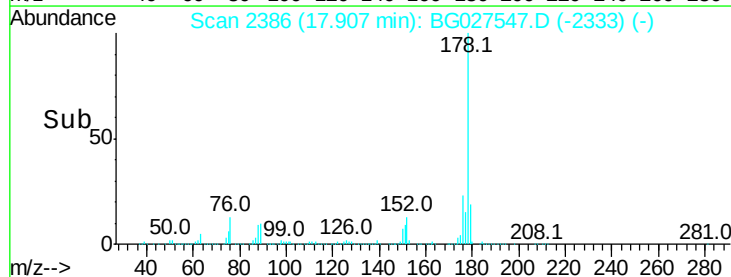
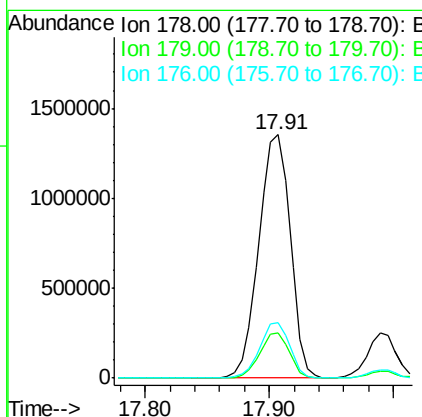
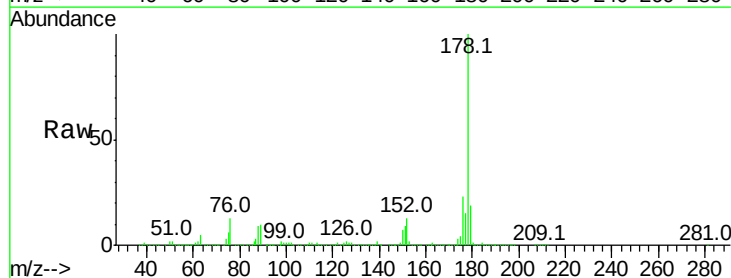
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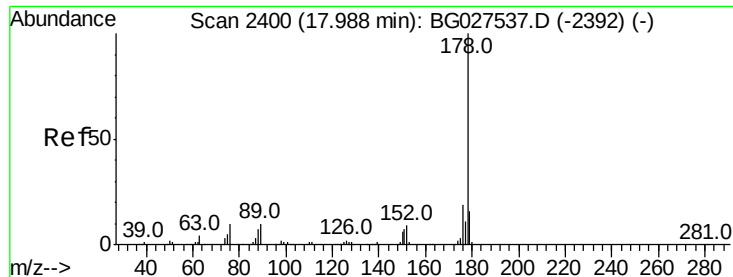
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#69
 Phenanthrene
 Concen: 177.13 ng/ul m
 RT: 17.91 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	18.6	12.4	18.6#	
176	22.7	16.5	24.7	





#71

Anthracene

Concen: 28.68 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

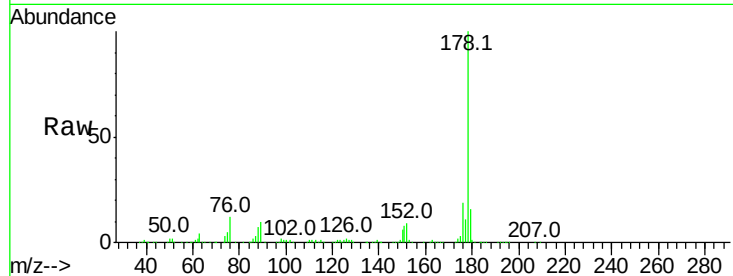
ClientSampled :

F5E24

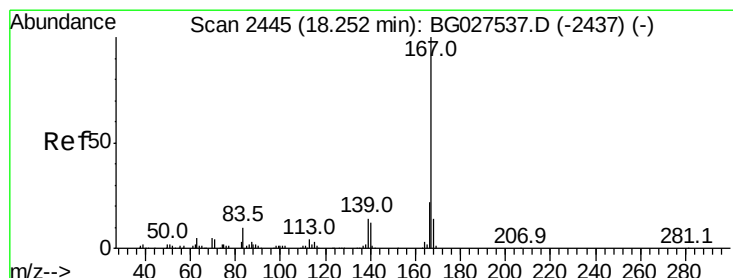
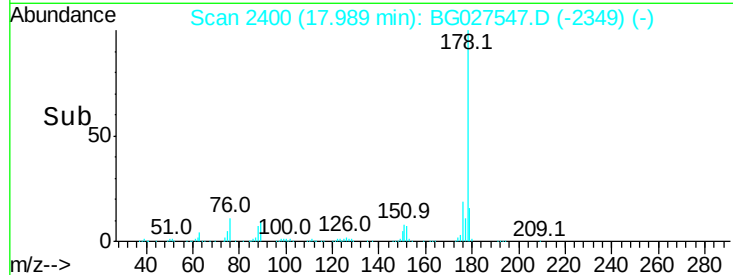
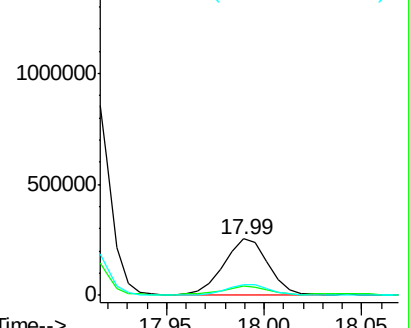
Tot Ion:	178	Resp:	392238
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	19.0
176	19.1	15.9	23.9

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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



#72

Carbazole

Concen: 15.05 ng/ul

RT: 18.25 min Scan# 2445

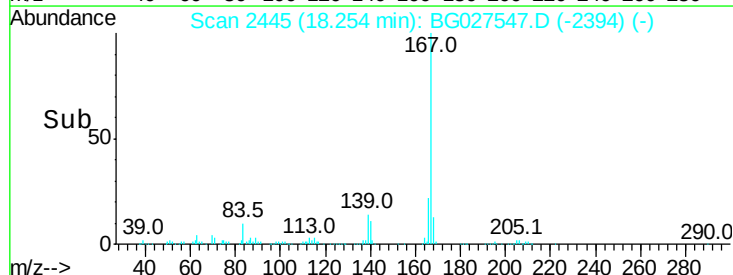
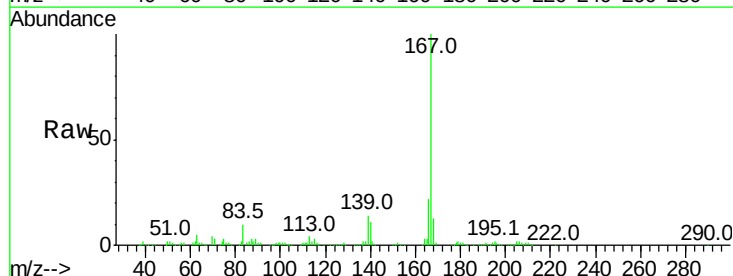
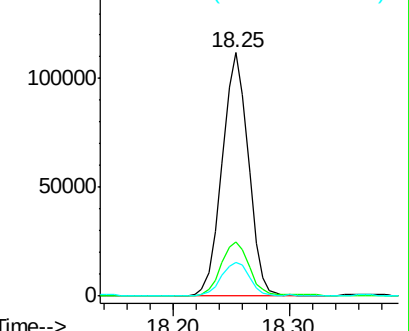
Delta R.T. 0.00 min

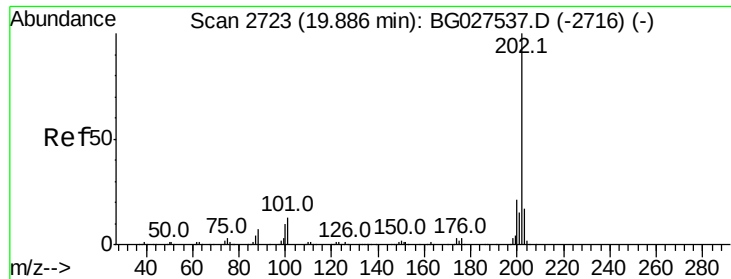
Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Tgt Ion:	167	Resp:	177043
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.9	26.9
139	13.8	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: 93.53 ng/ul m

RT: 19.89 min Scan# 2724

Delta R.T. 0.01 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

Tot Ion:202 Resp: 1415539

Ion Ratio Lower Upper

202 100

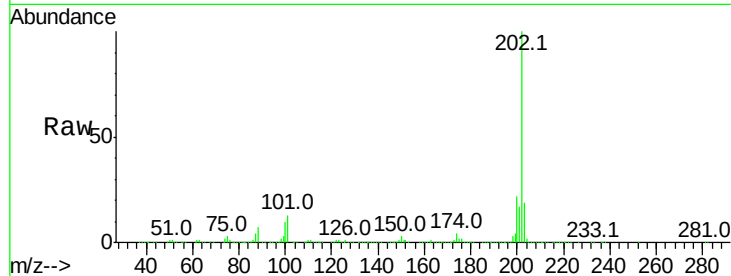
101 12.5 6.2 9.2#

100 9.7 5.2 7.8#

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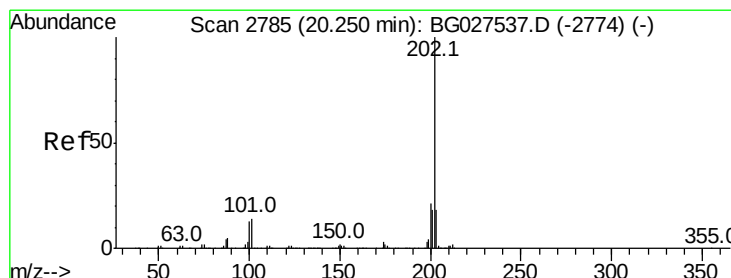
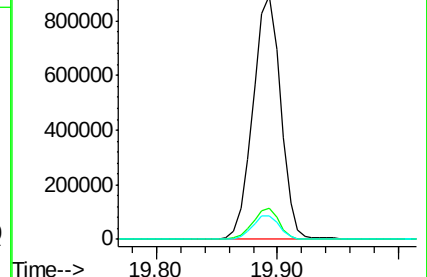
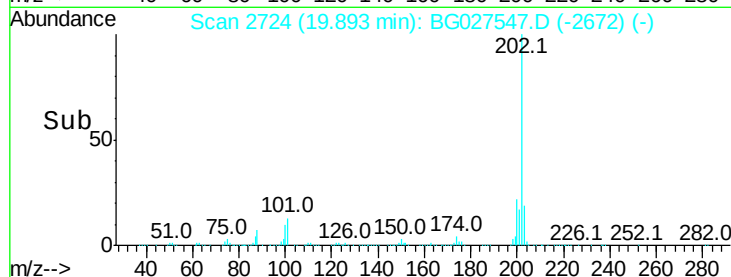
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 55.97 ng/ul m

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

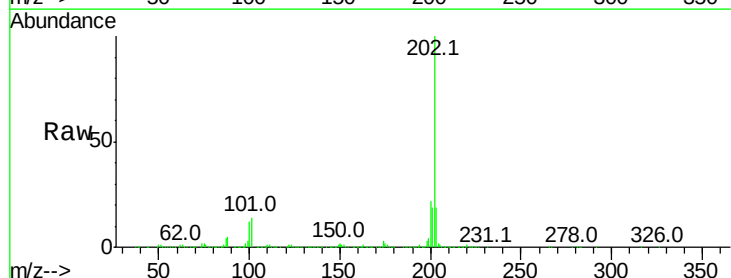
Tgt Ion:202 Resp: 950012

Ion Ratio Lower Upper

202 100

101 14.2 6.9 10.3#

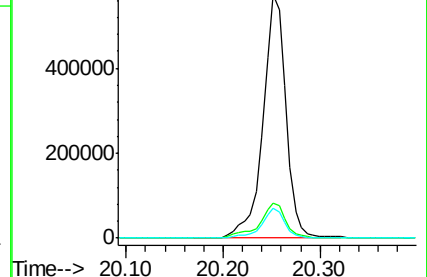
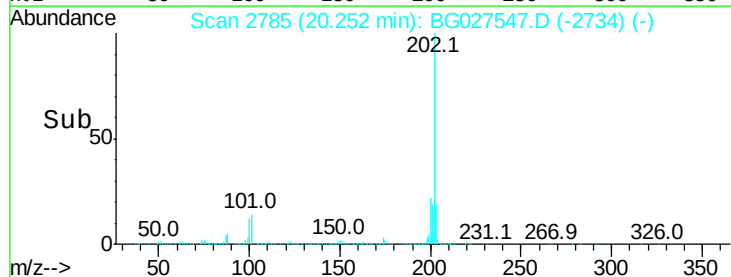
100 12.2 6.6 10.0#

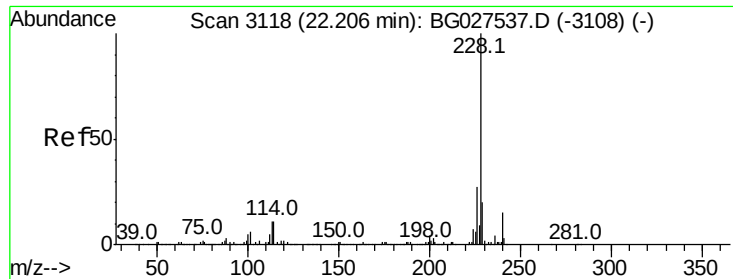


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





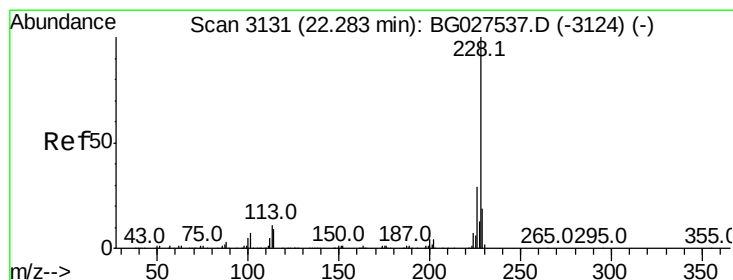
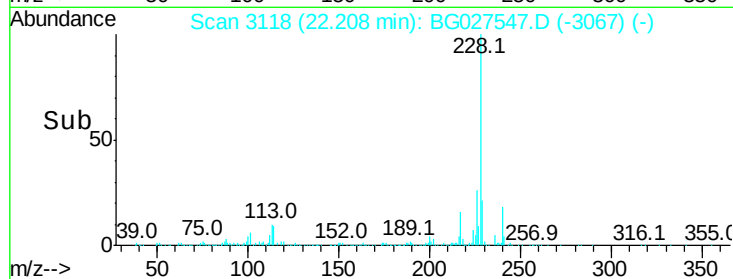
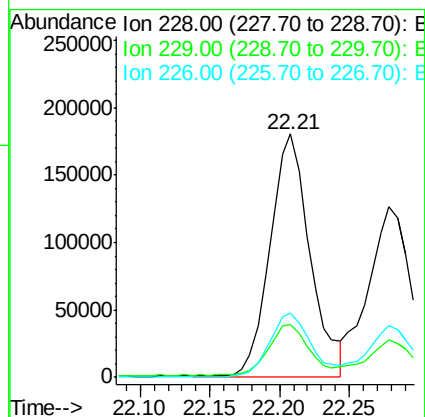
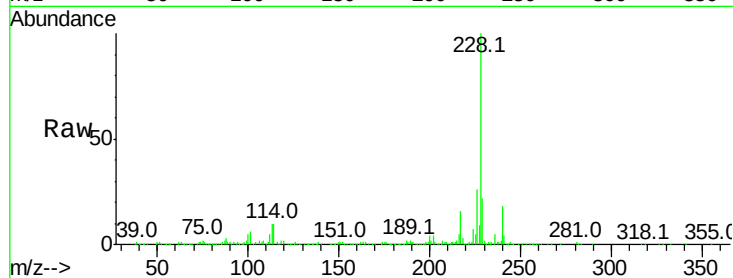
#80
Benzo(a)anthracene
Concen: 22.62 ng/ul m
RT: 22.21 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Instrument :
BNA_G
ClientSampled :
F5E24

Tot Ion	Ratio	Resp	Lower	Upper
228	100	361670		
229	21.6	16.3	24.5	
226	26.5	21.9	32.9	

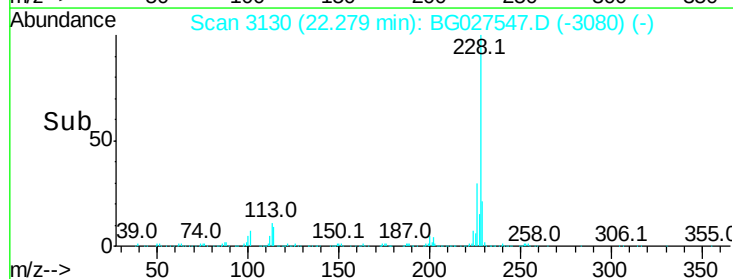
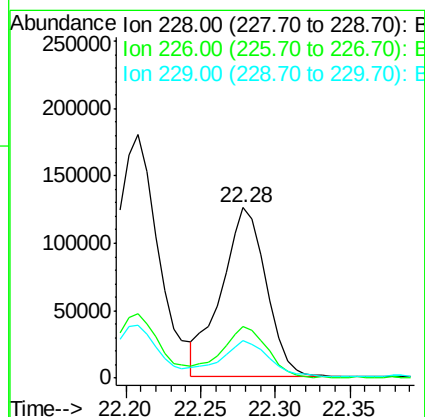
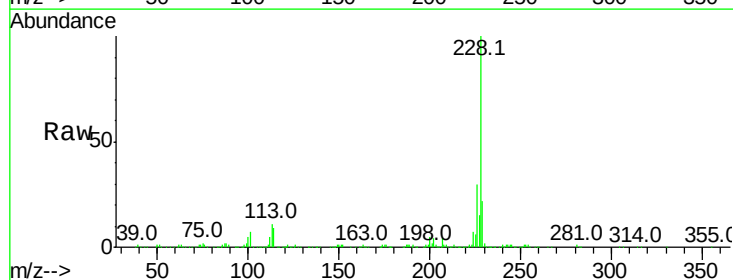
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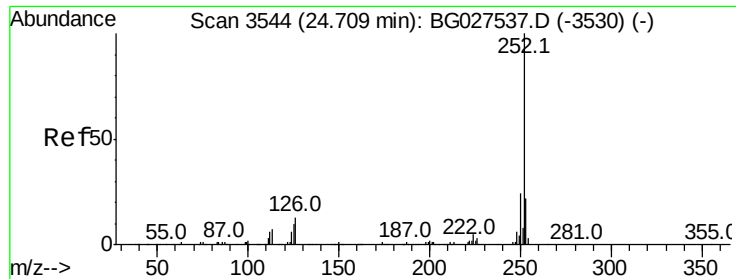
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#82
Chrysene
Concen: 18.21 ng/ul
RT: 22.28 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	262983		
226	30.4	24.0	36.0	
229	21.7	16.9	25.3	





#85

Benzo(b)fluoranthene

Concen: 13.57 ng/ul

RT: 24.71 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

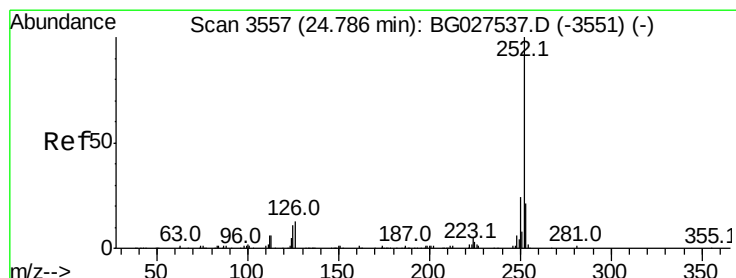
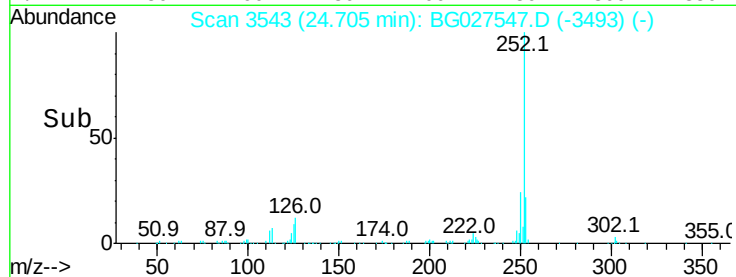
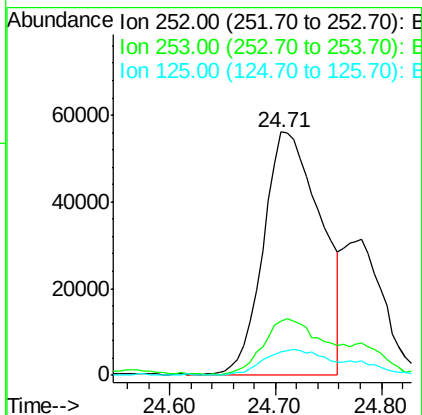
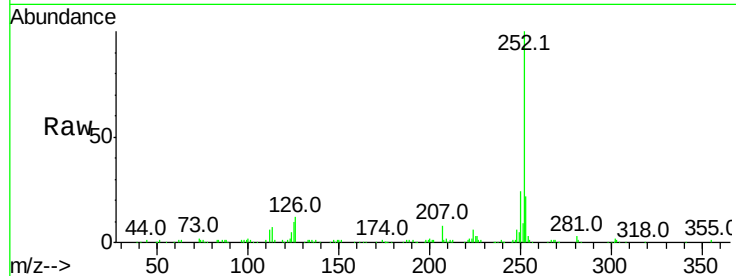
ClientSampleId :

F5E24

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.7	4.0	6.0

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#86

Benzo(k)fluoranthene

Concen: 5.72 ng/ul m

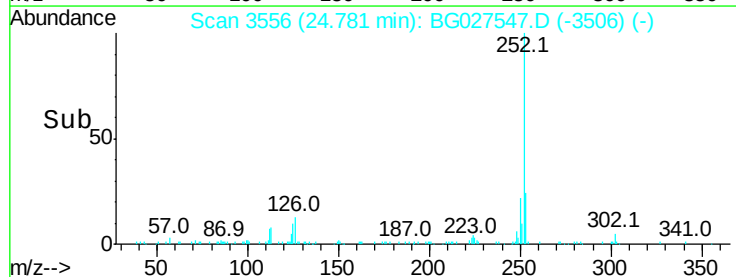
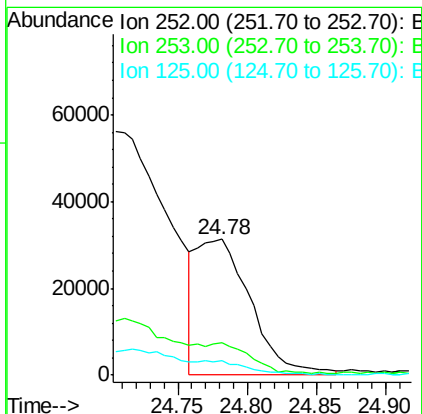
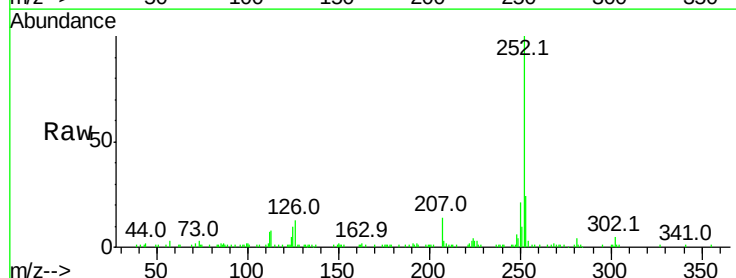
RT: 24.78 min Scan# 3556

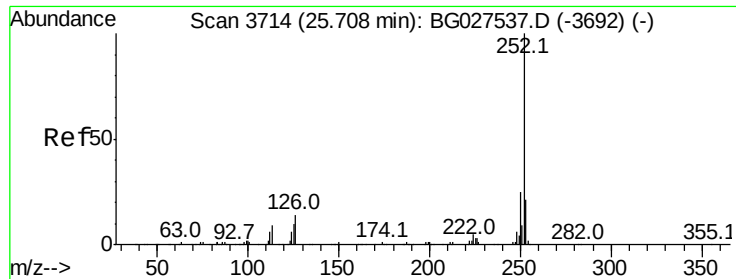
Delta R.T. -0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	10.4	4.1	6.1





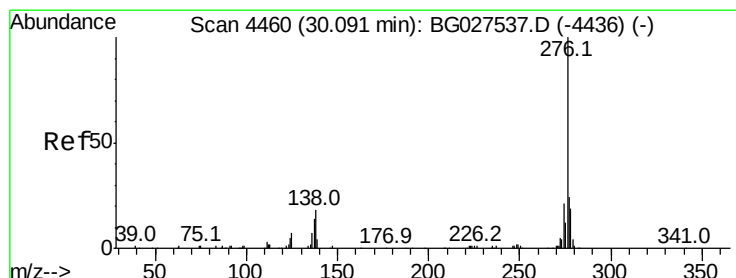
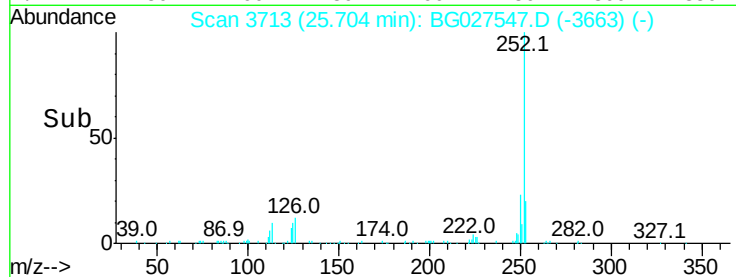
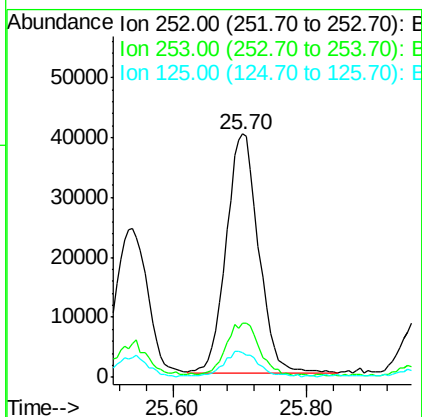
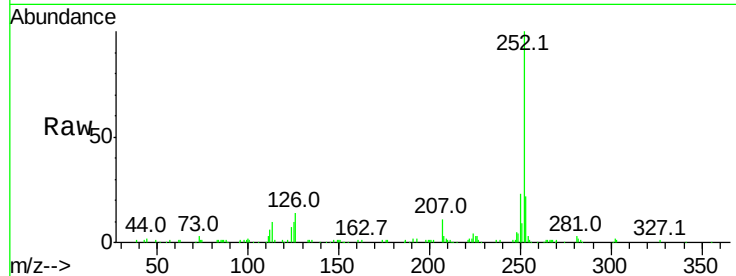
#88
Benzo(a)pyrene
Concen: 9.09 ng/ul
RT: 25.70 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Instrument :
BNA_G
ClientSampleId :
F5E24

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.3	5.4	8.0#

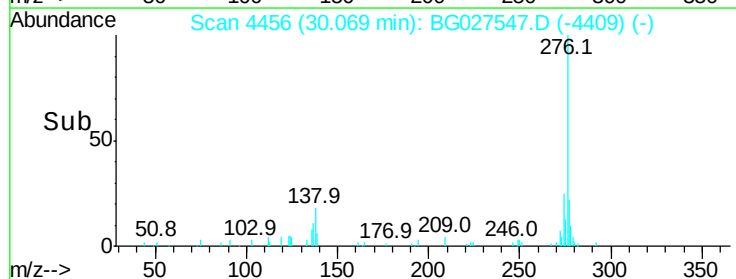
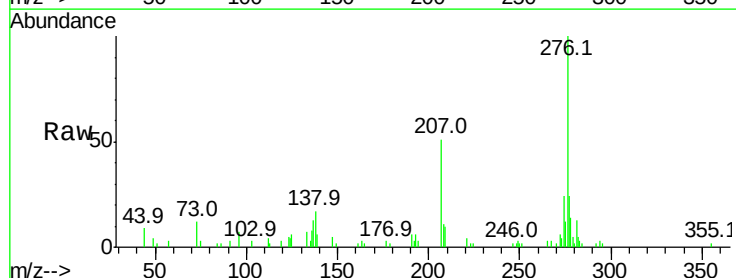
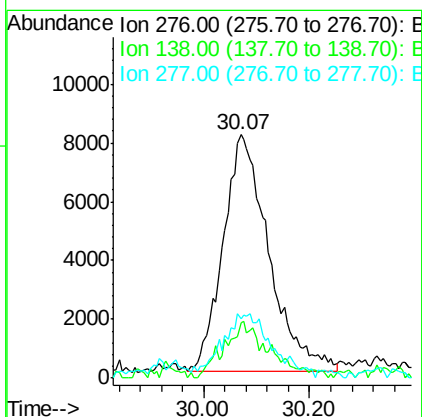
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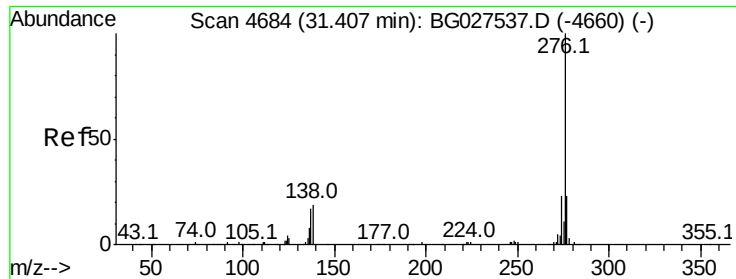
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.85 ng/ul
RT: 30.07 min Scan# 4456
Delta R.T. -0.02 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	22.6	8.2	12.4#
277	24.1	18.6	28.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.20 ng/ul
 RT: 31.40 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Instrument :
 BNA_G
 ClientSampleId :
 F5E24

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	8.6	12.8#
277	19.9	17.6	26.4

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