

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
 Data File : BG027544.D
 Acq On : 20 Jun 2017 00:56
 Operator : SJ/MA
 Sample : I3625-13 25X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5C80

Manual Integrations
 APPROVED

mohammad
 6/20/2017 11:51:29 AM

Quant Time: Jun 20 03:22:49 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	37992	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	184616	20.00	ng/ul	0.01
35) Acenaphthene-d10	15.10	164	116581	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.87	188	248854	20.00	ng/ul	0.01
75) Chrysene-d12	22.24	240	299774	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	261796	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	7.66	99	3121	0.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2321	0.83	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2225	0.82	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	2309	0.72	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	2065	1.54	ng/ul	0.02
22) 2-Nitrophenol-d4	10.41	143	1030	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2328	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	13322m	3.91	ng/ul	0.05
43) Dimethylphthalate-d6	14.49	166	10382	1.06	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	11045	0.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	2807	1.47	ng/ul	0.02
57) Fluorene-d10	16.09	176	11038	1.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.97	188	14004m	1.21	ng/ul	0.01
76) Pyrene-d10	20.23	212	16442	1.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	12979	1.10	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.42	128	7081525	746.41	ng/ul#	68
34) 2-Methylnaphthalene	12.97	142	2138021	303.89	ng/ul	94
40) 1,1'-Biphenyl	13.94	154	607741	65.90	ng/ul#	95
47) Acenaphthylene	14.83	152	132072	11.72	ng/ul#	95
49) Acenaphthene	15.18	153	1864715	237.30	ng/ul	97
53) Dibenzofuran	15.51	168	2085743	182.12	ng/ul	94
58) Fluorene	16.16	166	2115879	222.62	ng/ul	99
69) Phenanthrene	17.92	178	6016720m	449.91	ng/ul	
71) Anthracene	18.00	178	1434373	105.48	ng/ul	97
72) Carbazole	18.26	167	866005	74.05	ng/ul	96
74) Fluoranthene	19.90	202	4340357	288.46	ng/ul#	71
77) Pyrene	20.26	202	3423335	193.19	ng/ul#	76
80) Benzo(a)anthracene	22.21	228	1326987	79.49	ng/ul	98
82) Chrysene	22.29	228	981415	65.09	ng/ul	96
85) Benzo(b)fluoranthene	24.72	252	657648	42.18	ng/ul#	93
86) Benzo(k)fluoranthene	24.79	252	255422m	17.04	ng/ul	
88) Benzo(a)pyrene	25.71	252	399019	26.65	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.08	276	116085	6.79	ng/ul#	95
90) Dibenzo(a,h)anthracene	30.13	278	36575m	2.49	ng/ul	
91) Benzo(g,h,i)perylene	31.40	276	69161	4.94	ng/ul#	91

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

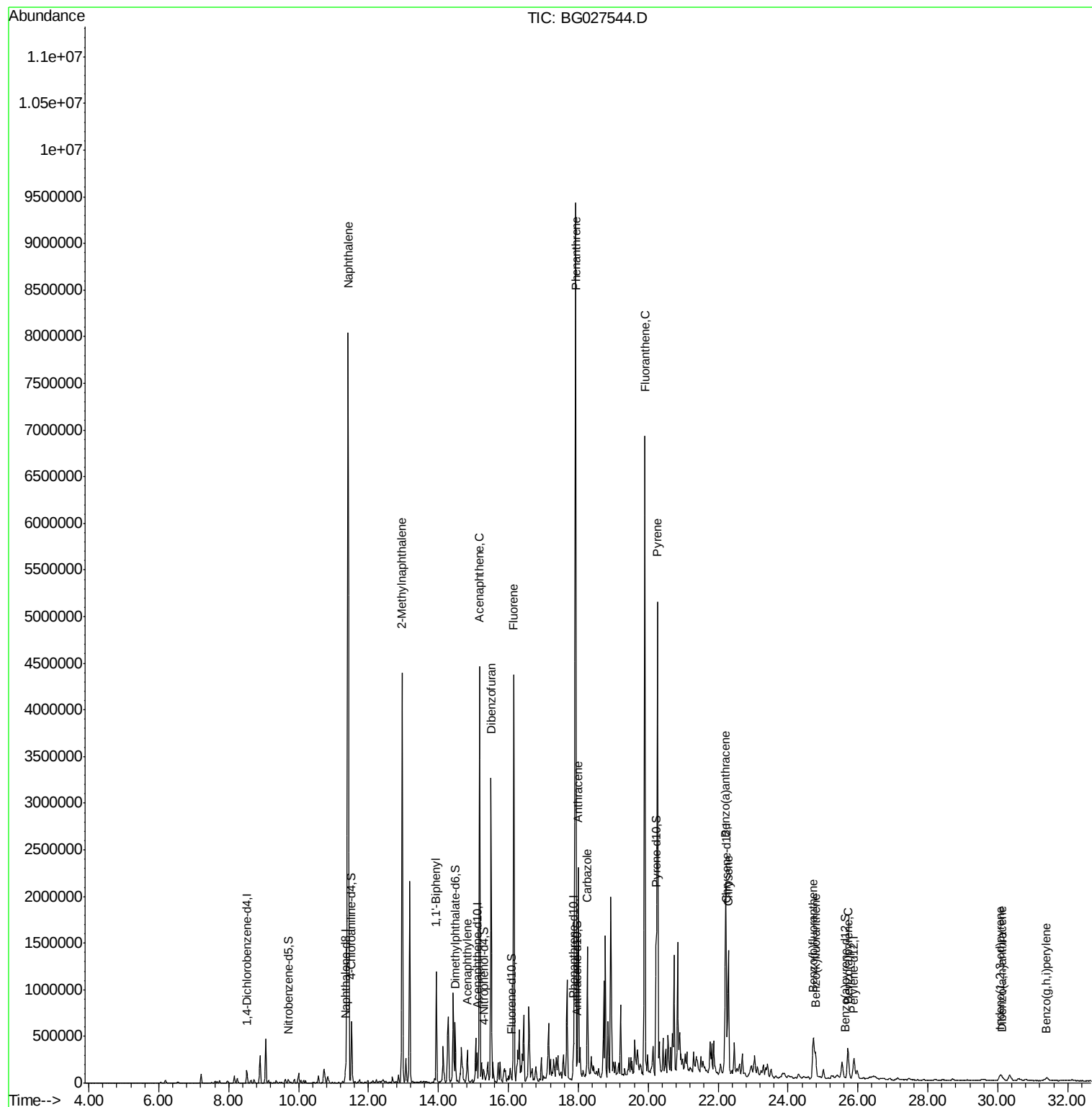
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Acq On : 20 Jun 2017 00:56
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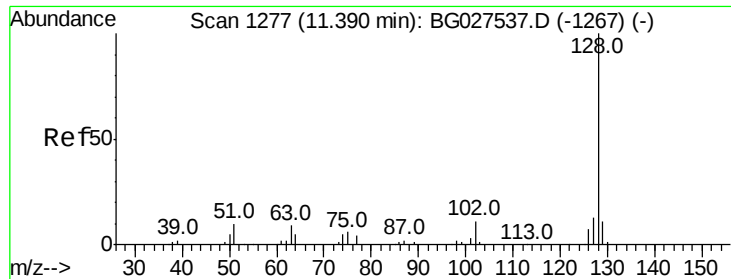
Instrument :
BNA_G
ClientSampled :
F5C80

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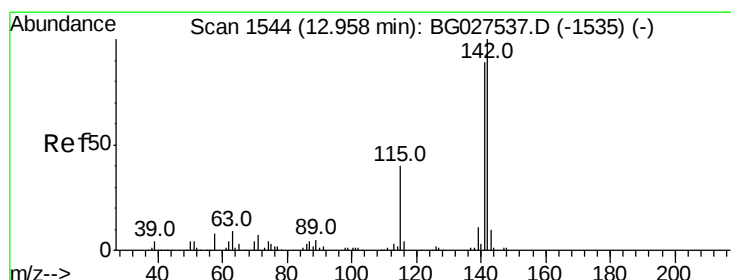
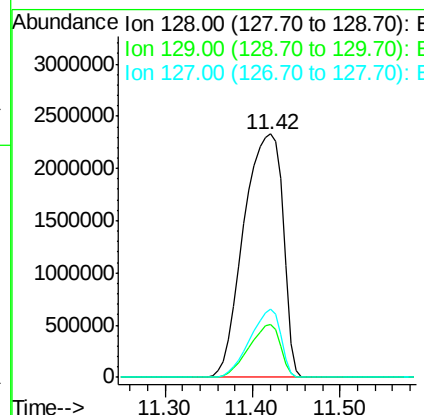
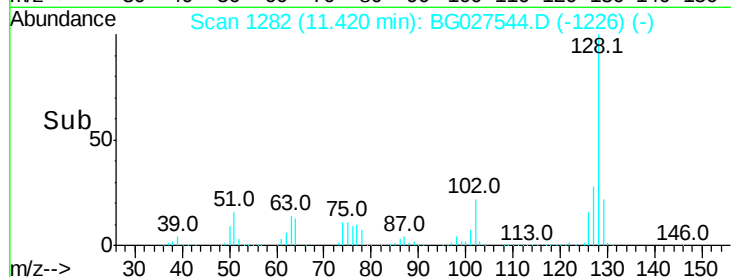
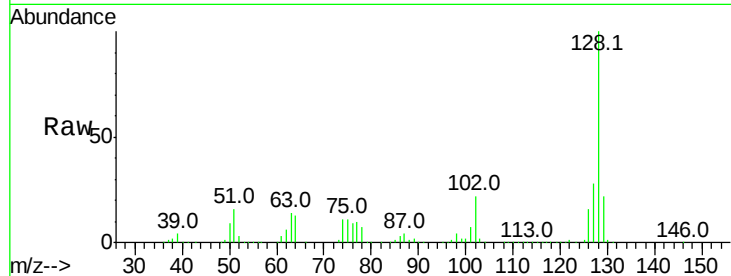
#28
Naphthalene
Concen: 746.41 ng/ul
RT: 11.42 min Scan# 1282
Delta R.T. 0.03 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Instrument :
BNA_G
ClientSampleId :
F5C80

Tot Ion:128 Resp: 7081525
Ion Ratio Lower Upper
128 100
129 21.6 9.4 14.2#
127 28.3 10.3 15.5#

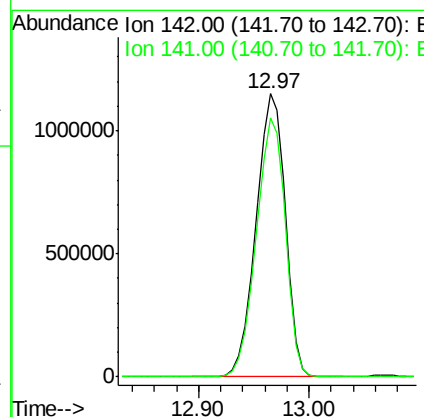
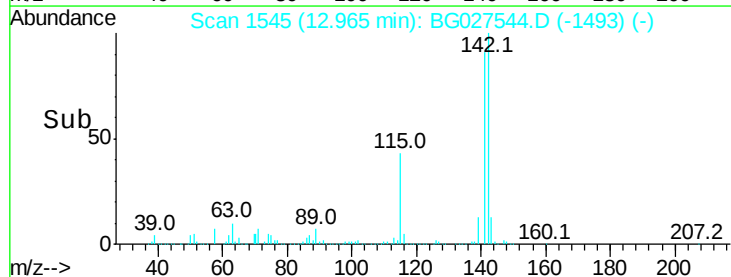
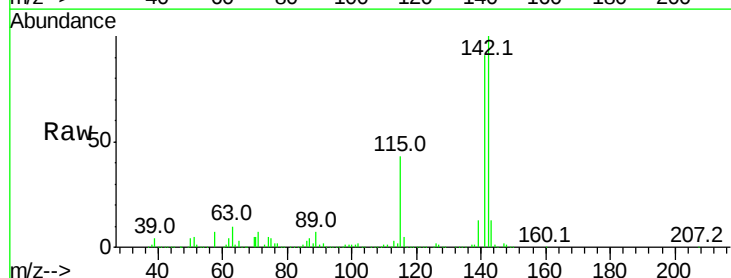
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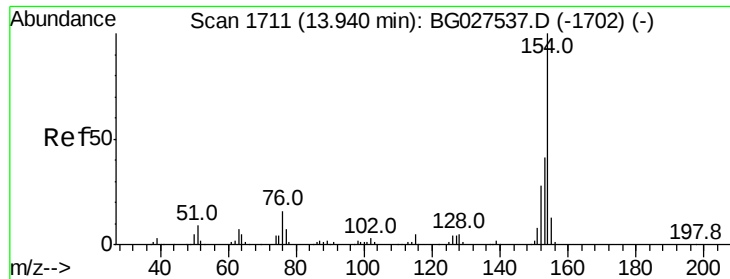
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#34
2-Methylnaphthalene
Concen: 303.89 ng/ul
RT: 12.97 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion:142 Resp: 2138021
Ion Ratio Lower Upper
142 100
141 91.5 68.6 102.8





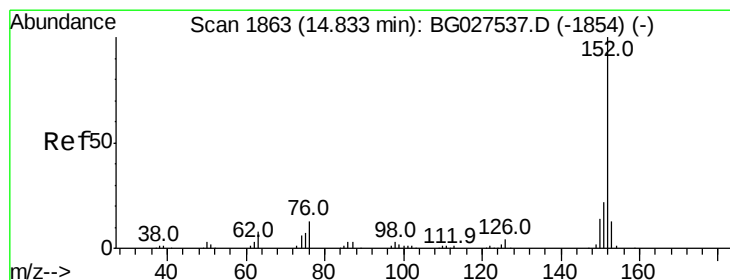
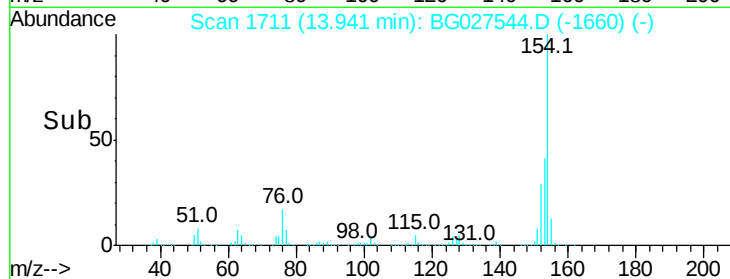
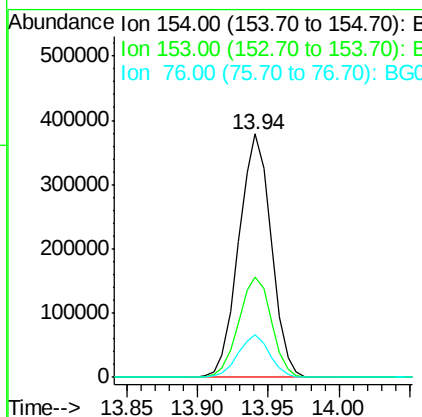
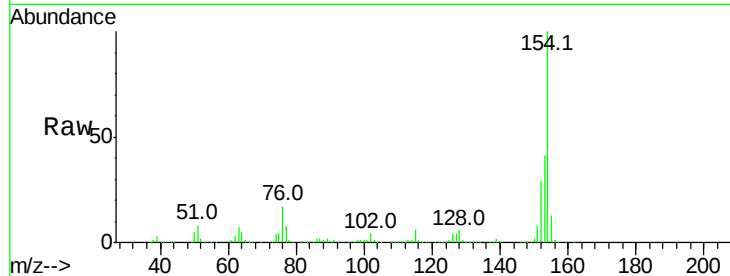
#40
 1,1'-Biphenyl
 Concen: 65.90 ng/ul
 RT: 13.94 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

Instrument :
 BNA_G
 ClientSampled :
 F5C80

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.2	48.2
76	17.5	9.6	14.4

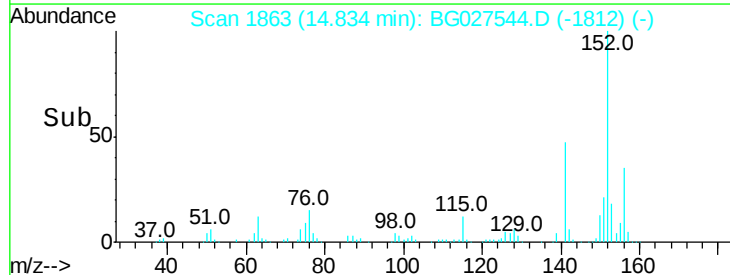
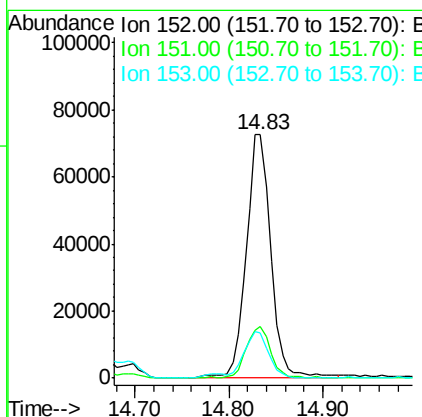
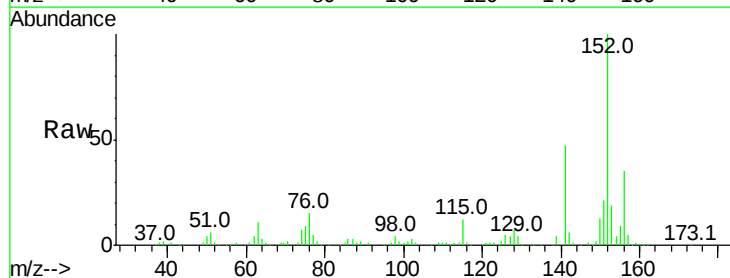
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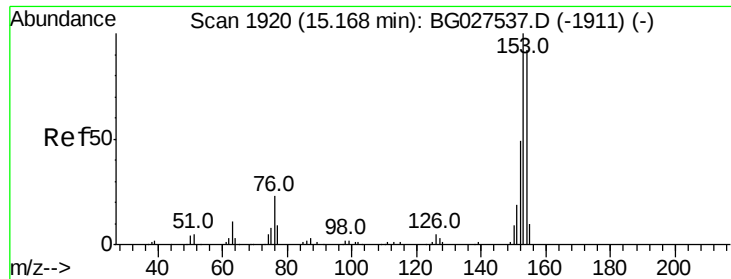
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#47
 Acenaphthylene
 Concen: 11.72 ng/ul
 RT: 14.83 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BG027544.D
 Acq: 20 Jun 2017 00:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.7	25.1
153	18.7	11.4	17.2





#49

Acenaphthene

Concen: 237.30 ng/ul

RT: 15.18 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampled :

F5C80

Tot Ion:153 Resp: 1864715

Ion Ratio Lower Upper

153 100

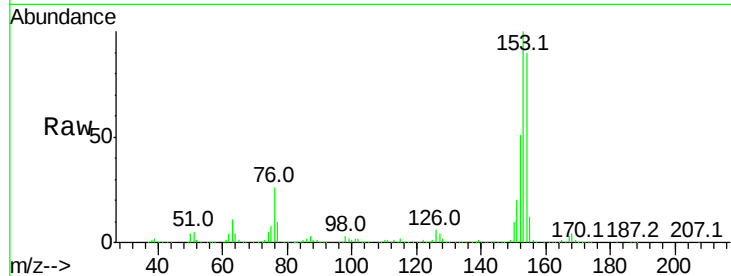
152 50.9 36.5 54.7

154 89.8 72.3 108.5

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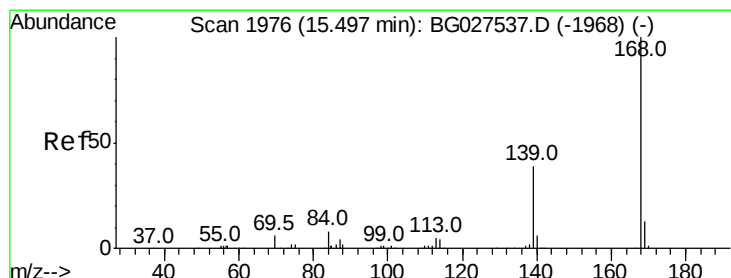
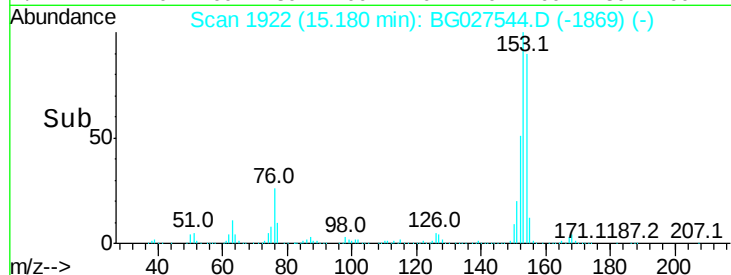
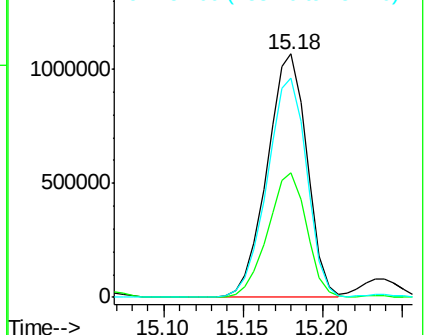
6/20/2017 11:51:29 AM



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: 182.12 ng/ul

RT: 15.51 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BG027544.D

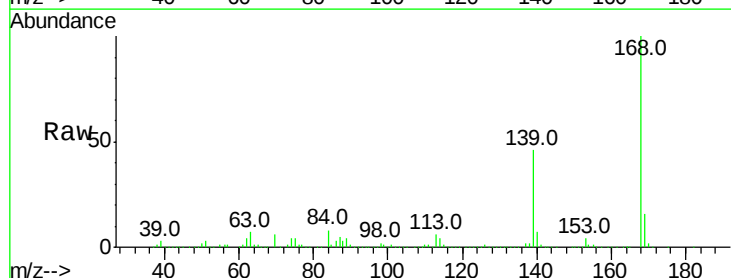
Acq: 20 Jun 2017 00:56

Tgt Ion:168 Resp: 2085743

Ion Ratio Lower Upper

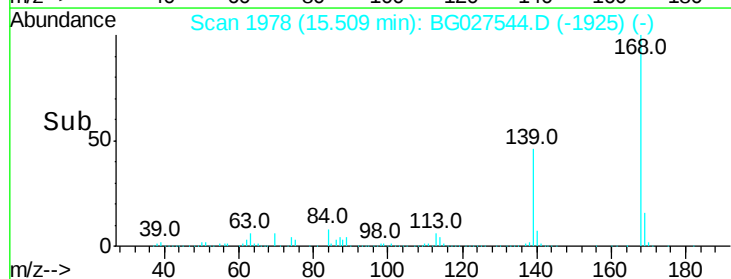
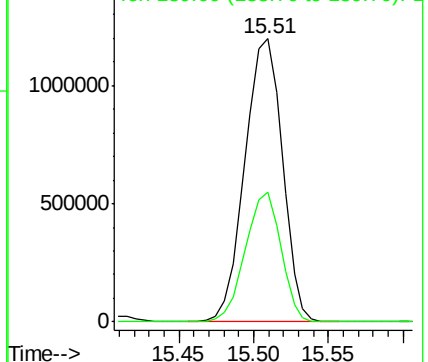
168 100

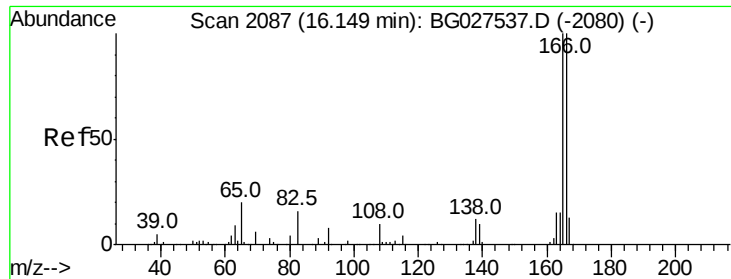
139 45.8 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 222.62 ng/ul

RT: 16.16 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

Tot Ion:166 Resp: 2115879

Ion Ratio Lower Upper

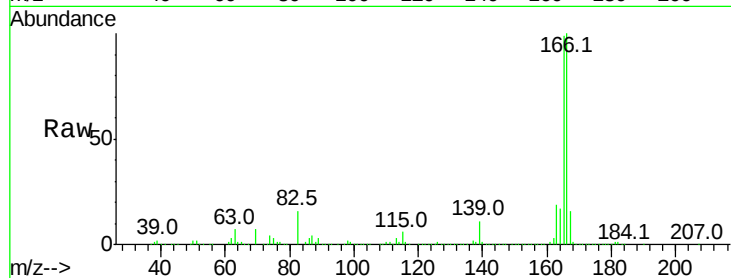
166 100

165 99.0 79.7 119.5

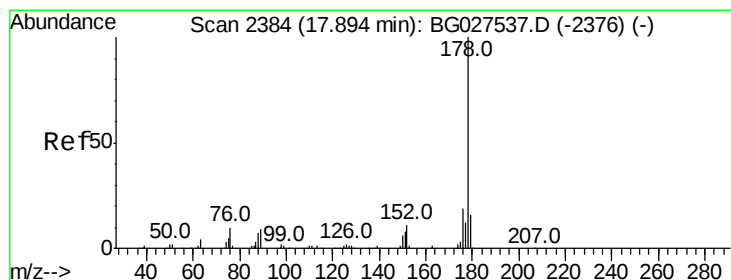
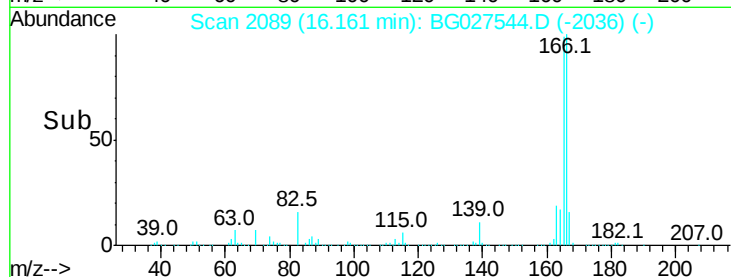
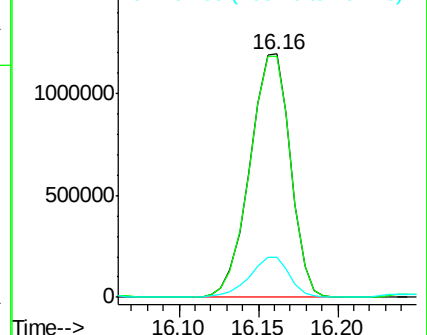
167 16.5 11.4 17.2

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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



#69

Phenanthrene

Concen: 449.91 ng/ul m

RT: 17.92 min Scan# 2389

Delta R.T. 0.03 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

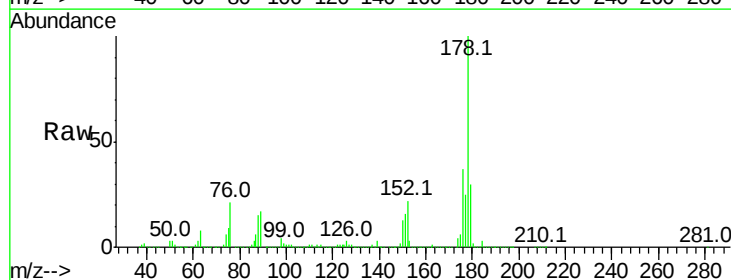
Tgt Ion:178 Resp: 6016720

Ion Ratio Lower Upper

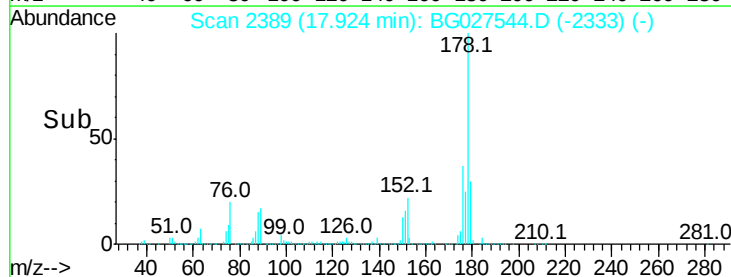
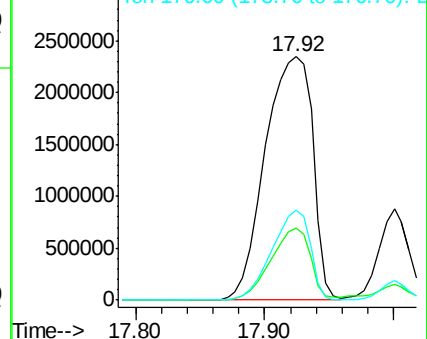
178 100

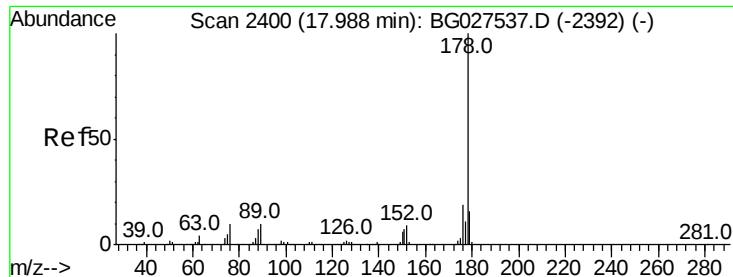
179 29.9 12.4 18.6#

176 37.1 16.5 24.7#



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





#71

Anthracene

Concen: 105.48 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

Tot Ion:178 Resp: 1434373

Ion Ratio Lower Upper

178 100

179 17.7 12.6 19.0

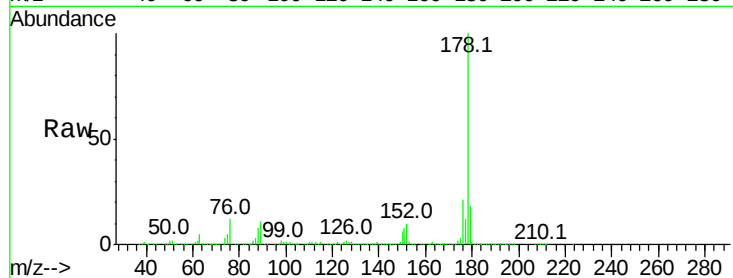
176 20.9 15.9 23.9

Manual Integrations

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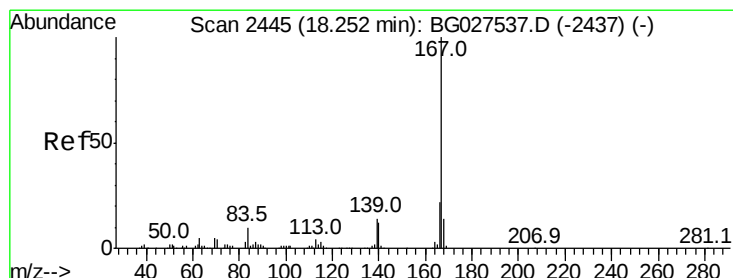
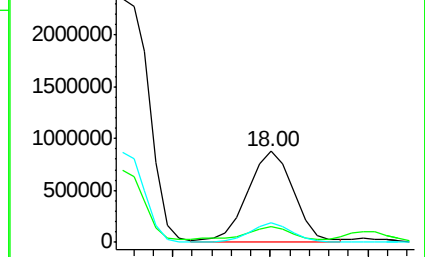
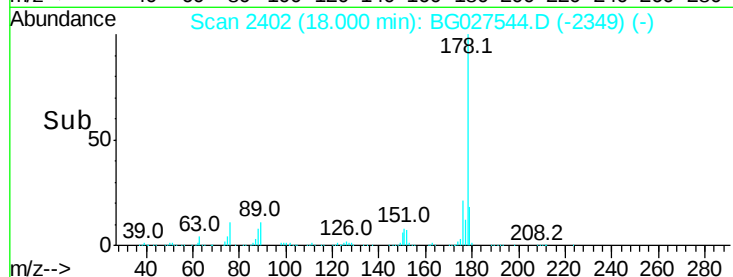
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 74.05 ng/ul

RT: 18.26 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

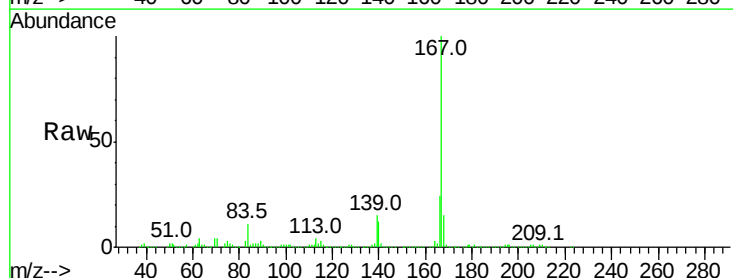
Tgt Ion:167 Resp: 866005

Ion Ratio Lower Upper

167 100

166 24.1 17.9 26.9

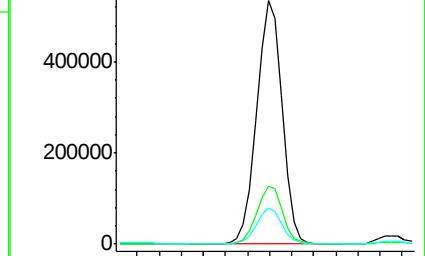
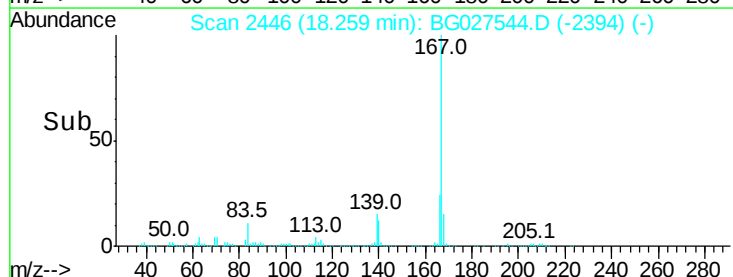
139 15.1 10.5 15.7

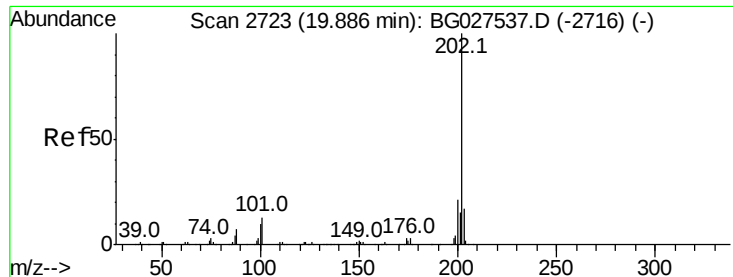


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 288.46 ng/ul

RT: 19.90 min Scan# 2726

Delta R.T. 0.02 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

ClientSampleId :

F5C80

Tot Ion:202 Resp: 4340357

Ion Ratio Lower Upper

202 100

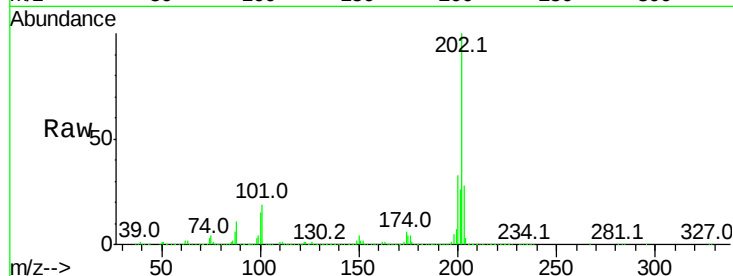
101 18.9 6.2 9.2#

100 15.4 5.2 7.8#

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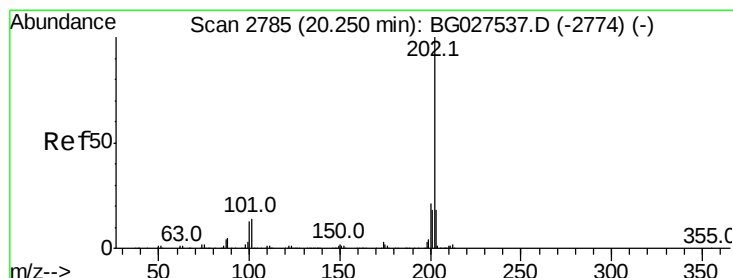
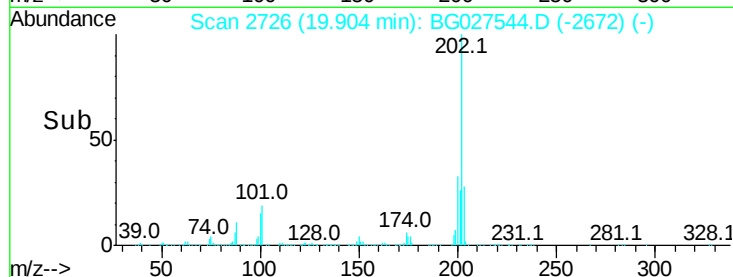
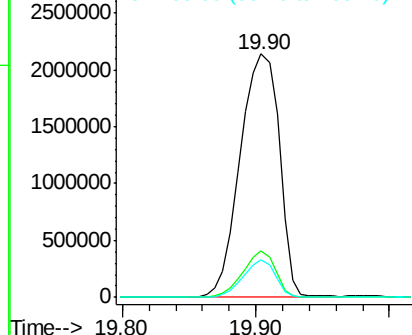
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 193.19 ng/ul

RT: 20.26 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Tgt Ion:202 Resp: 3423335

Ion Ratio Lower Upper

202 100

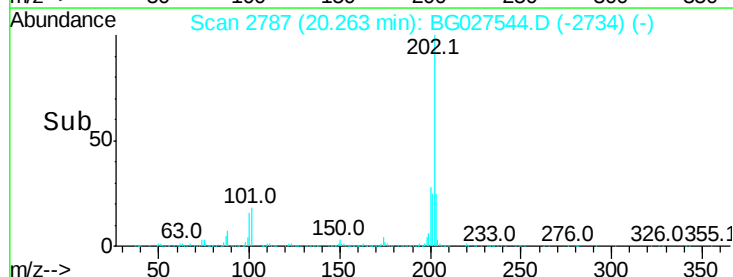
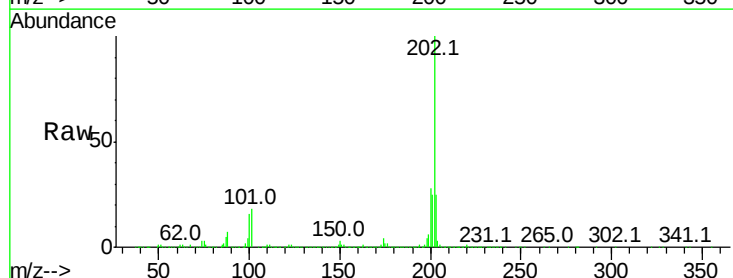
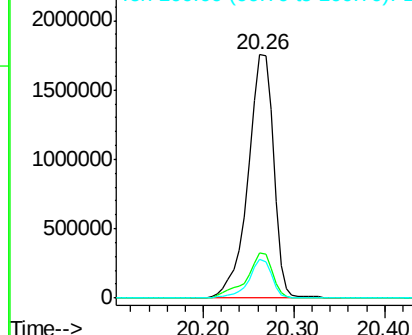
101 18.4 6.9 10.3#

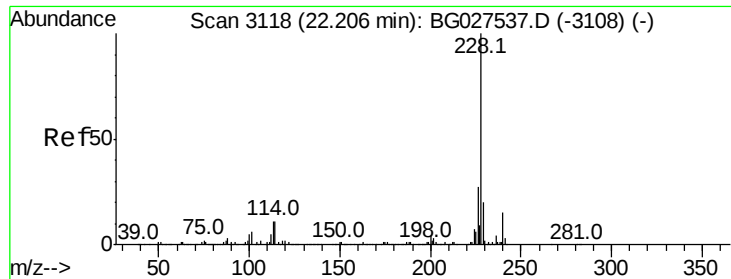
100 15.9 6.6 10.0#

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





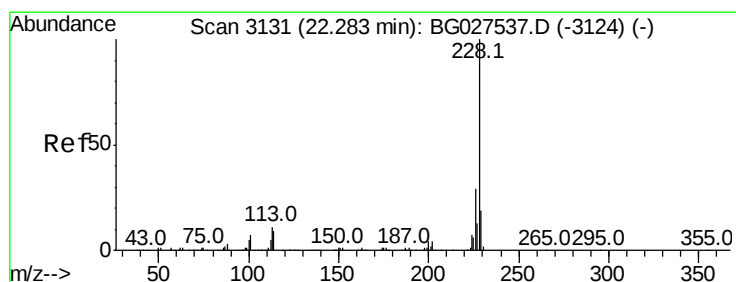
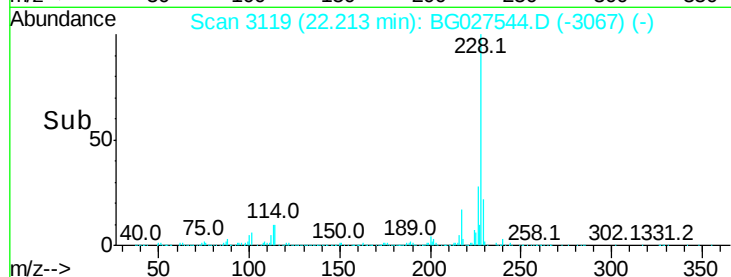
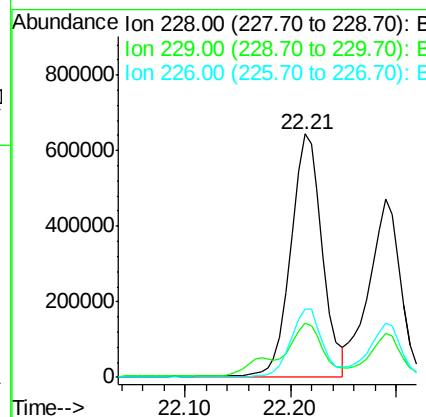
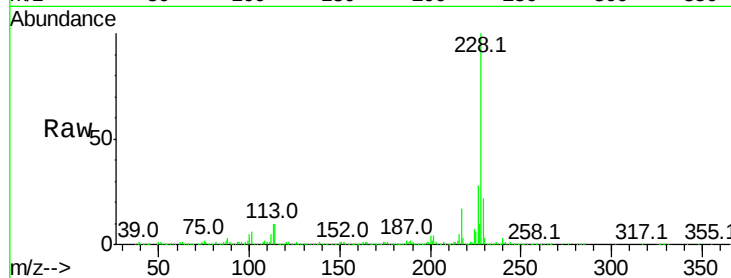
#80
Benzo(a)anthracene
Concen: 79.49 ng/u1
RT: 22.21 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Instrument :
BNA_G
ClientSampleId :
F5C80

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.3	16.3	24.5
226	28.1	21.9	32.9

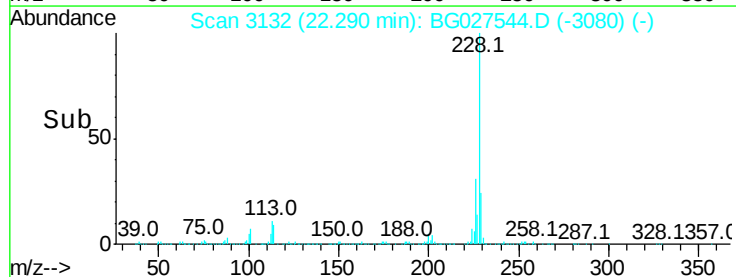
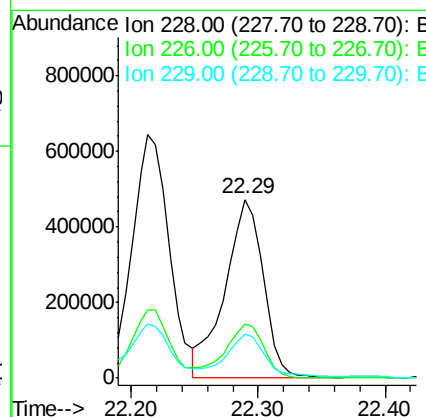
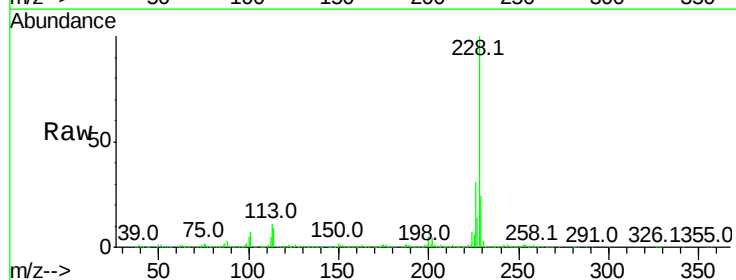
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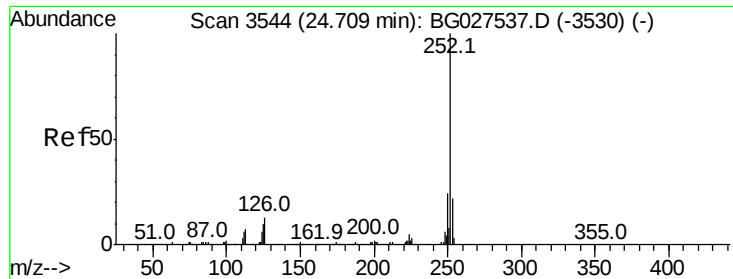
mohammad
6/20/2017 11:51:29 AM



#82
Chrysene
Concen: 65.09 ng/u1
RT: 22.29 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	24.3	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 42.18 ng/ul

RT: 24.72 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Instrument :

BNA_G

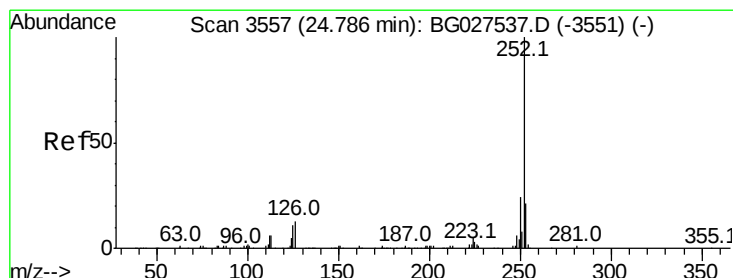
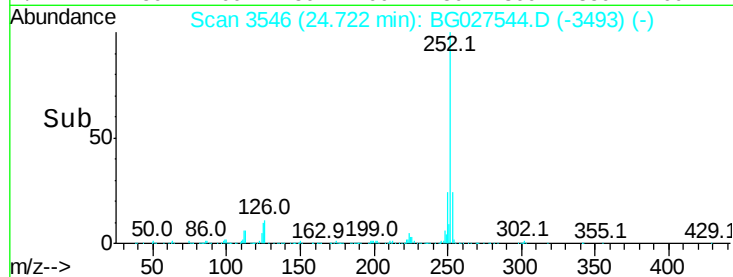
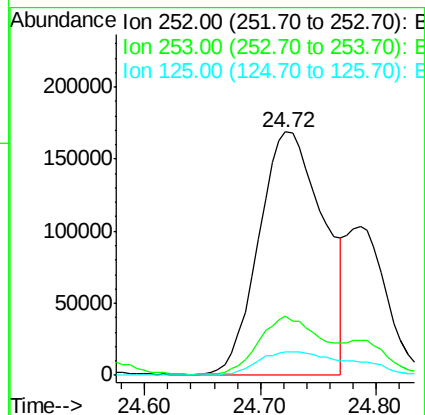
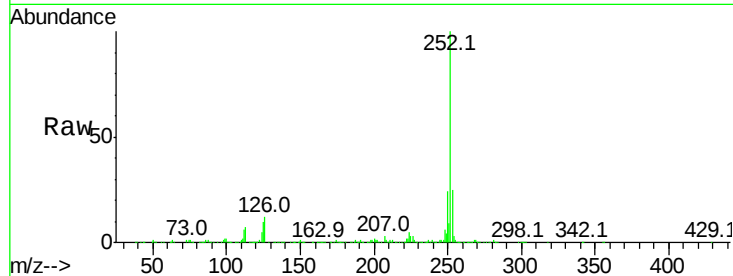
ClientSampleId :

F5C80

Tot Ion:	252	Resp:	657648
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.7	26.5
125	9.9	4.0	6.0#

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#86

Benzo(k)fluoranthene

Concen: 17.04 ng/ul m

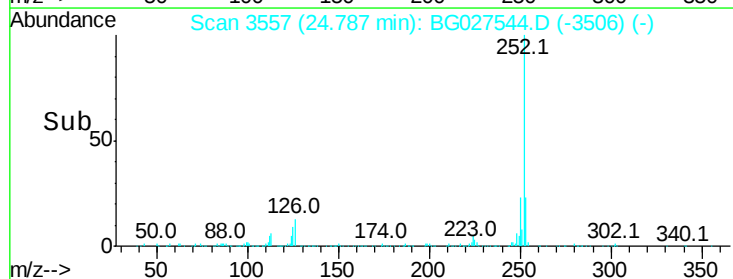
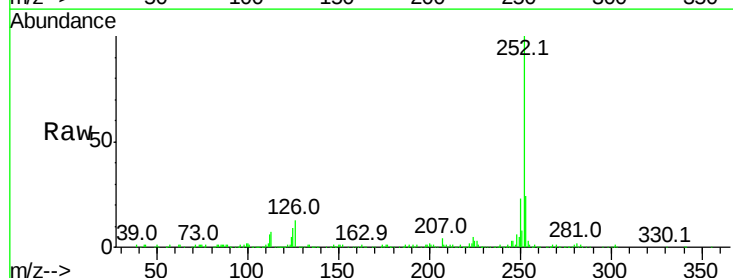
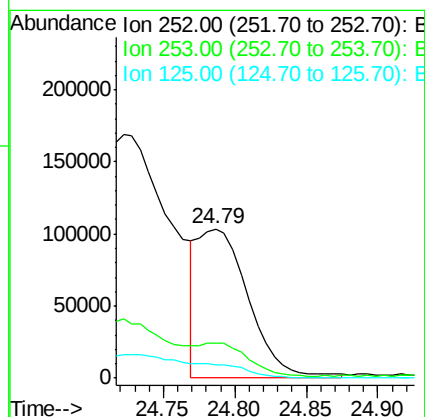
RT: 24.79 min Scan# 3557

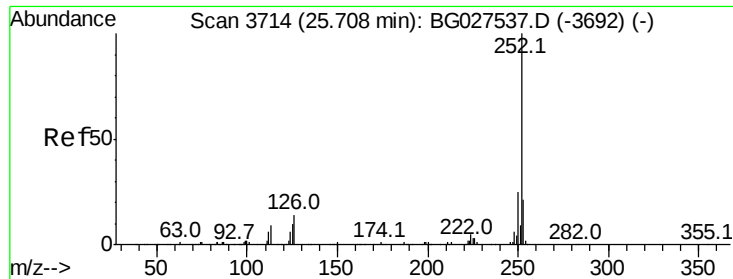
Delta R.T. 0.00 min

Lab File: BG027544.D

Acq: 20 Jun 2017 00:56

Tgt Ion:	252	Resp:	255422
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.5	27.7
125	8.9	4.1	6.1#





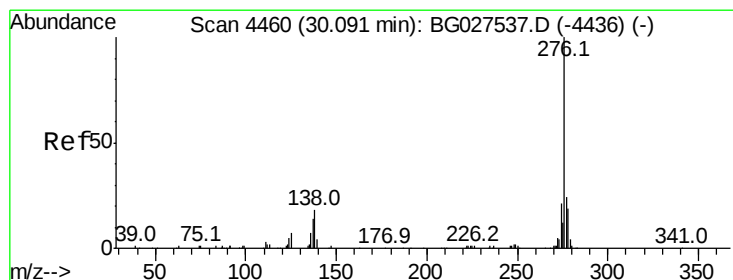
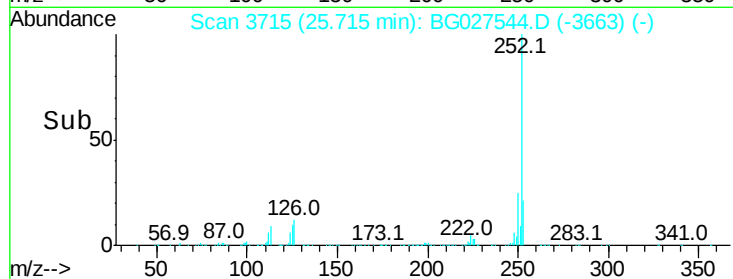
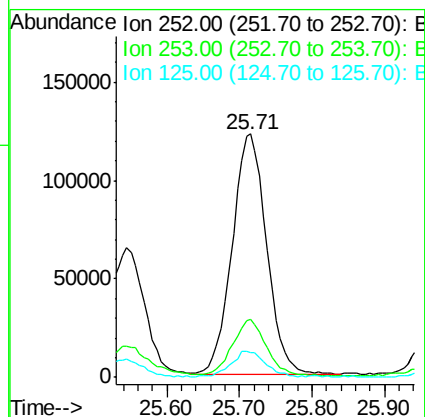
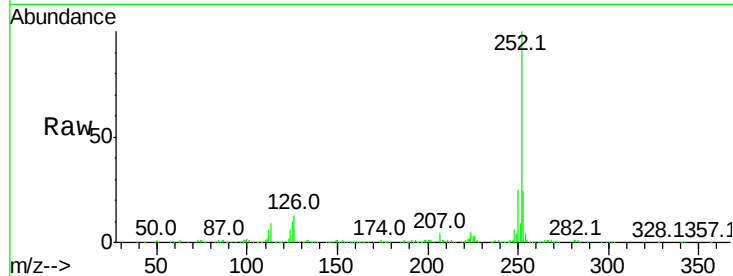
#88
Benzo(a)pyrene
Concen: 26.65 ng/ul
RT: 25.71 min Scan# 3715
Delta R.T. 0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Instrument :
BNA_G
ClientSampleId :
F5C80

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	10.3	5.4	8.0#

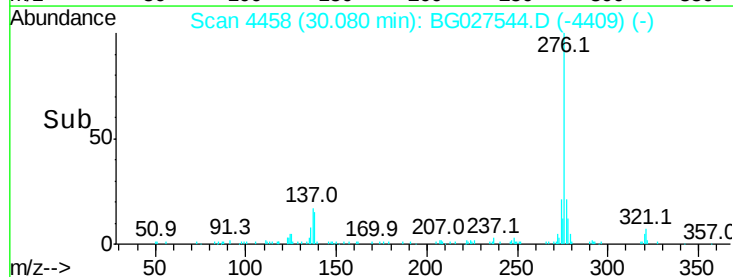
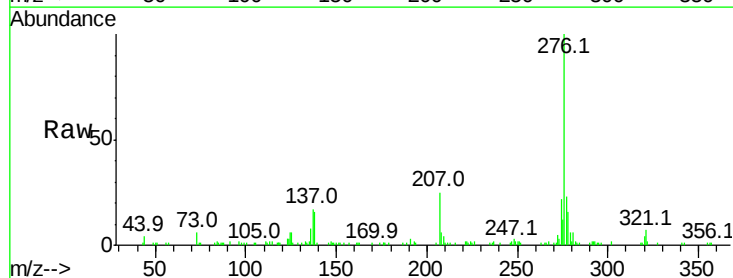
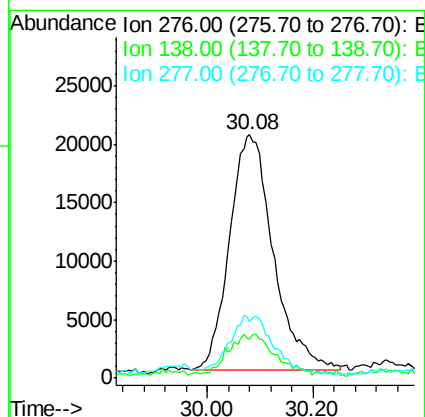
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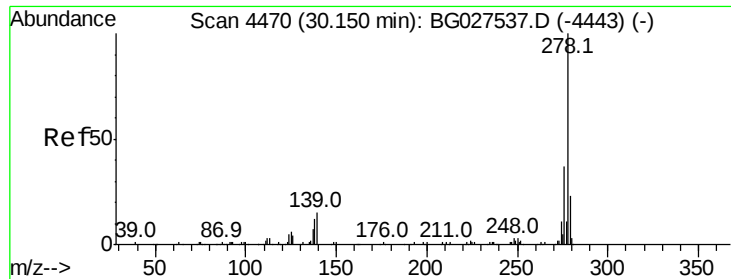
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#89
Indeno(1,2,3-cd)pyrene
Concen: 6.79 ng/ul
RT: 30.08 min Scan# 4458
Delta R.T. -0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	8.2	12.4#
277	23.2	18.6	28.0





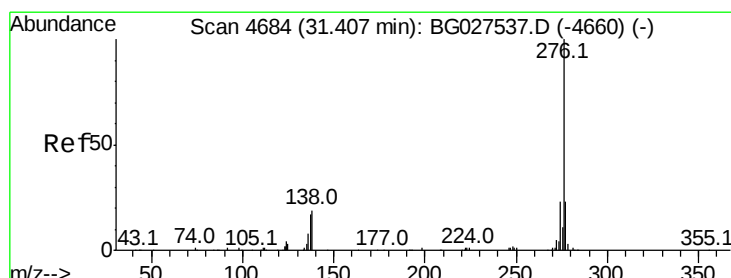
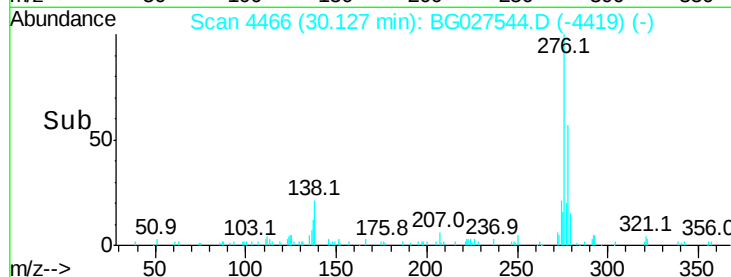
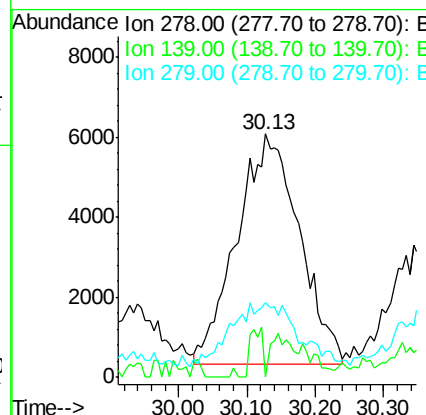
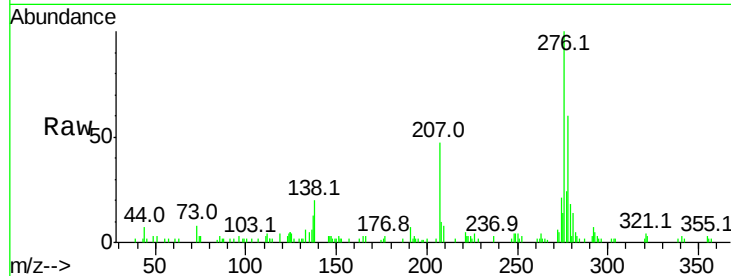
#90
Dibenzo(a,h)anthracene
Concen: 2.49 ng/ul m
RT: 30.13 min Scan# 4466
Delta R.T. -0.02 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Instrument :
BNA_G
ClientSampleId :
F5C80

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.7	10.1#
279	30.6	20.9	31.3

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.94 ng/ul
RT: 31.40 min Scan# 4682
Delta R.T. -0.01 min
Lab File: BG027544.D
Acq: 20 Jun 2017 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	8.6	12.8#
277	24.2	17.6	26.4

