

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027518.D
 Acq On : 17 Jun 2017 22:28
 Operator : SJ/MA
 Sample : I3599-11 20X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 F5B25

Manual Integrations
 APPROVED

mohammad
 6/19/2017 9:13:52 AM

Quant Time: Jun 19 03:34:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 19 01:52:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	48346	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	248711	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	156439	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	331970	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	378420	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	351228	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	3628	0.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2617	0.73	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2735	0.79	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	3175	0.77	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	2862	1.58	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	1409	0.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2869	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.50	131	14999m	3.27	ng/ul	0.04
43) Dimethylphthalate-d6	14.49	166	13578	1.04	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	13905	0.92	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	3176	1.24	ng/ul	0.01
57) Fluorene-d10	16.09	176	12610	1.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	846	0.41	ng/ul	0.01
70) Anthracene-d10	17.97	188	16590	1.07	ng/ul	0.01
76) Pyrene-d10	20.23	212	19264	1.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	15382	0.97	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	11.42	128	7134689	558.216	ng/ul#	67
34) 2-Methylnaphthalene	12.97	142	2388827	252.038	ng/ul	93
40) 1,1'-Biphenyl	13.94	154	682599	55.155	ng/ul#	95
47) Acenaphthylene	14.83	152	133640	8.839	ng/ul#	93
49) Acenaphthene	15.18	153	1962023	186.072	ng/ul	97
53) Dibenzofuran	15.50	168	2169440	141.162	ng/ul	95
58) Fluorene	16.16	166	2200204	172.515	ng/ul	99
69) Phenanthrene	17.93	178	5936066m	332.746	ng/ul	
71) Anthracene	18.00	178	1566284	86.345	ng/ul	97
72) Carbazole	18.26	167	766265	49.116	ng/ul	97
74) Fluoranthene	19.91	202	4175356	208.019	ng/ul#	66
77) Pyrene	20.26	202	3293262	147.227	ng/ul#	72
80) Benzo(a)anthracene	22.21	228	1243137	58.991	ng/ul	96
82) Chrysene	22.29	228	909571	47.791	ng/ul	97
85) Benzo(b)fluoranthene	24.72	252	602027	28.780	ng/ul#	96
86) Benzo(k)fluoranthene	24.79	252	268037m	13.331	ng/ul	
88) Benzo(a)pyrene	25.71	252	390146	19.425	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.08	276	122990	5.364	ng/ul#	88
90) Dibenzo(a,h)anthracene	30.14	278	36826	1.871	ng/ul#	80
91) Benzo(g,h,i)perylene	31.39	276	74038	3.944	ng/ul#	89

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

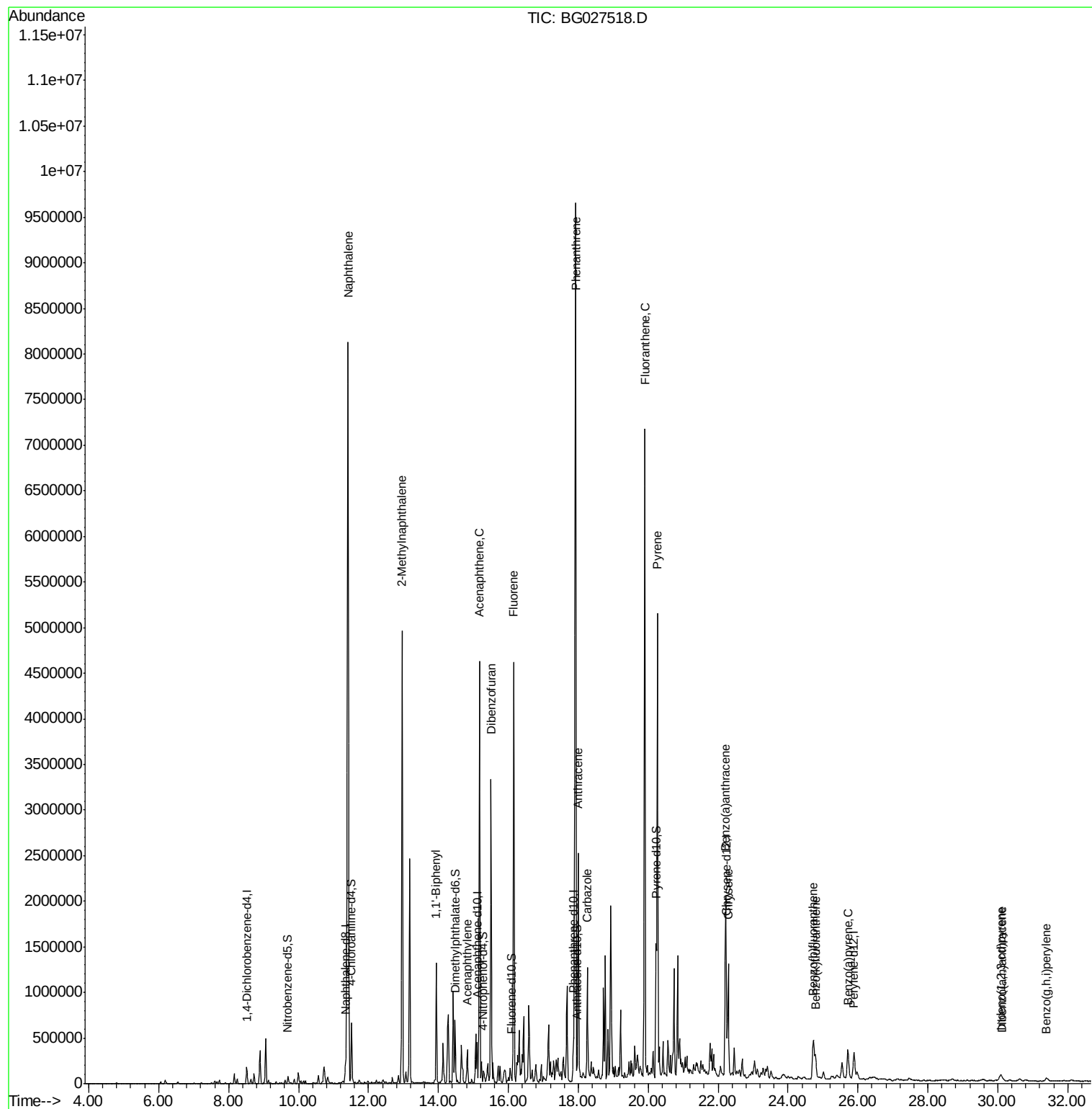
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
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Misc :
ALS Vial : 50 Sample Multiplier: 1

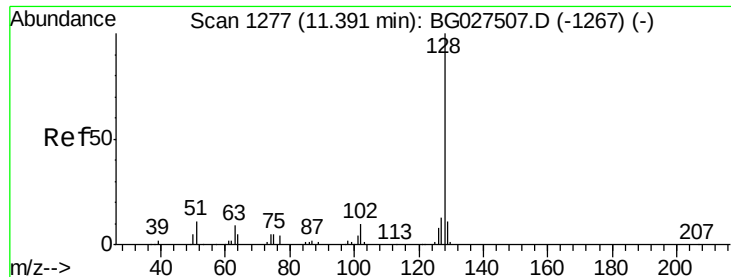
Instrument :
BNA_G
ClientSampled :
F5B25

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Quant Time: Jun 19 03:34:18 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 558.216 ng/ul

RT: 11.42 min Scan# 1281

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

Tgt Ion:128 Resp: 7134689

Ion Ratio Lower Upper

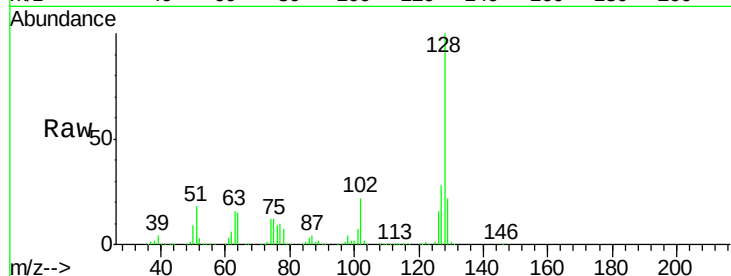
128 100

129 22.0 9.4 14.2#

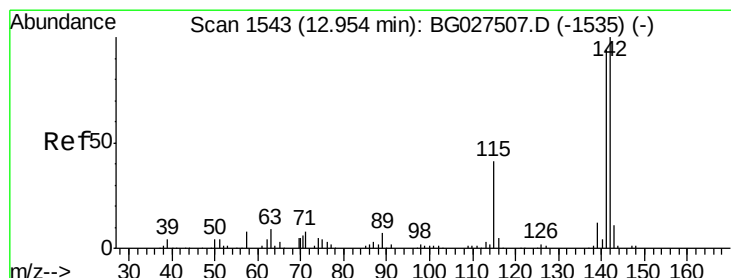
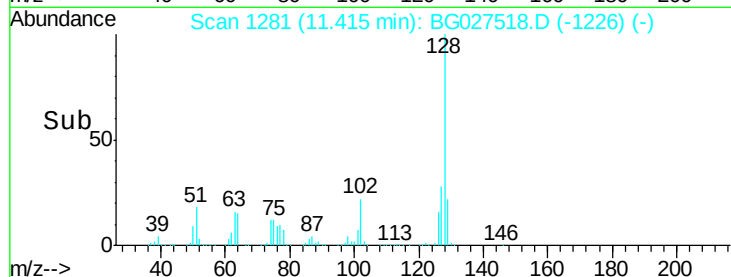
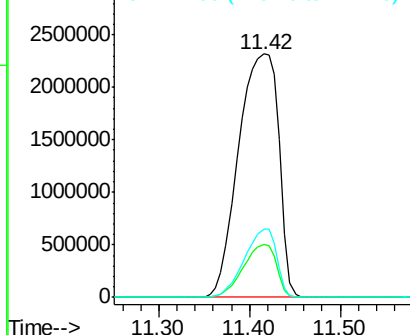
127 28.3 10.3 15.5#

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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: 252.038 ng/ul

RT: 12.97 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BG027518.D

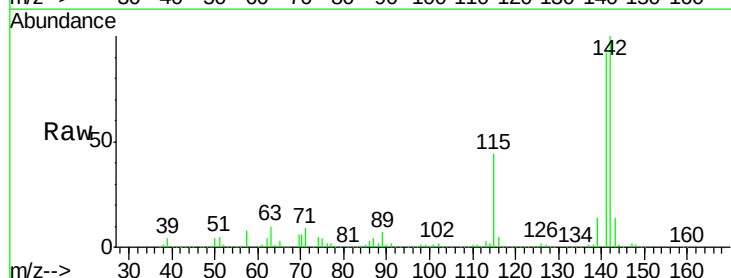
Acq: 17 Jun 2017 22:28

Tgt Ion:142 Resp: 2388827

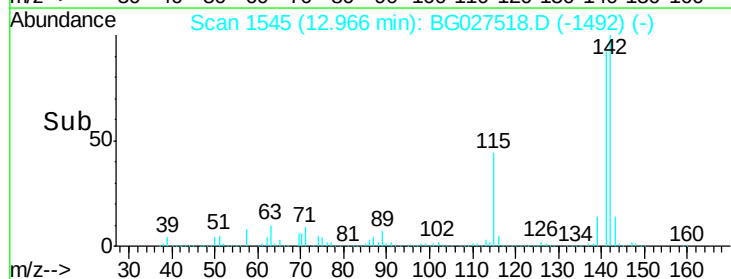
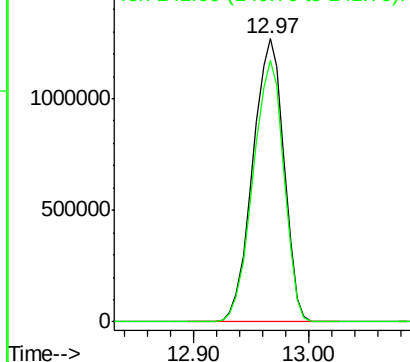
Ion Ratio Lower Upper

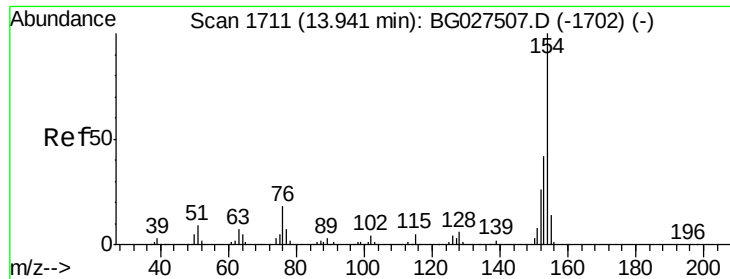
142 100

141 92.2 68.6 102.8



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





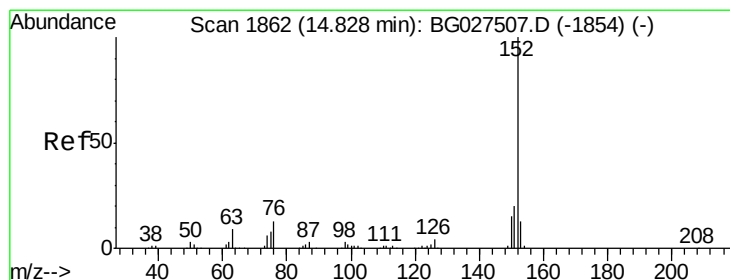
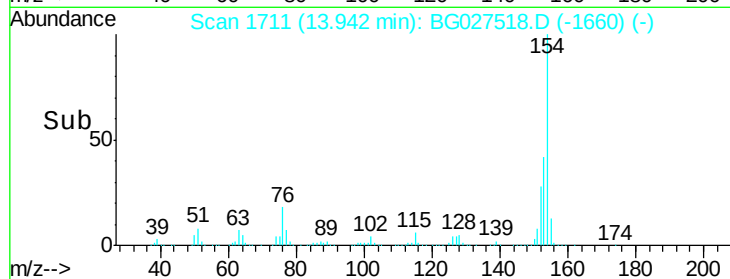
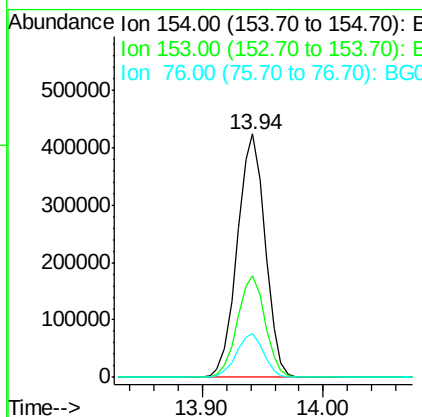
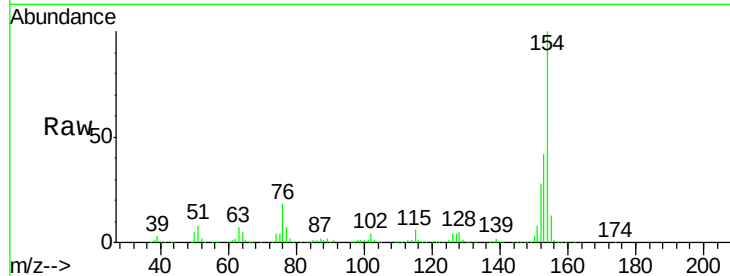
#40
 1,1'-Biphenyl
 Concen: 55.155 ng/ul
 RT: 13.94 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

Instrument :
 BNA_G
 ClientSampleId :
 F5B25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	682599		
153	41.7	32.2	48.2	
76	17.8	9.6	14.4	

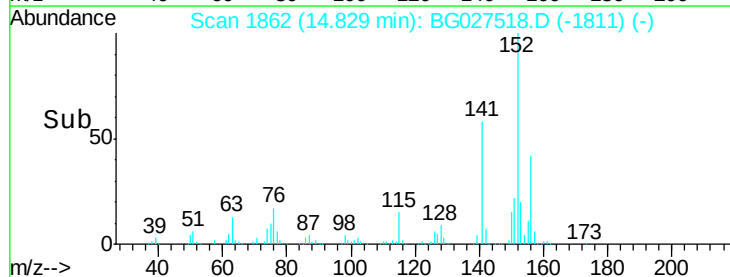
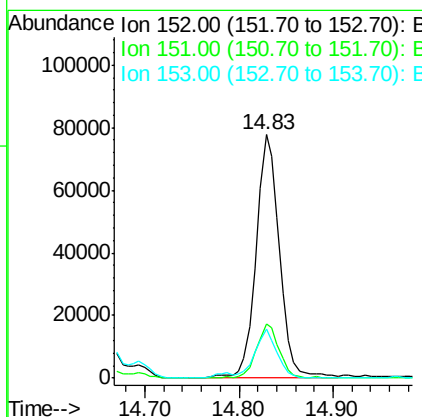
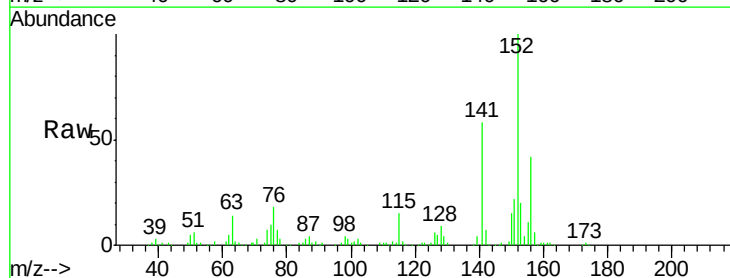
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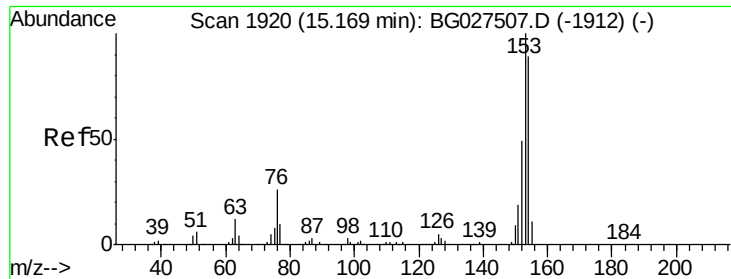
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#47
 Acenaphthylene
 Concen: 8.839 ng/ul
 RT: 14.83 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	133640		
151	22.2	16.7	25.1	
153	20.0	11.4	17.2	





#49

Acenaphthene

Concen: 186.072 ng/ul

RT: 15.18 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampled :

F5B25

Tgt Ion:153 Resp: 1962023

Ion Ratio Lower Upper

153 100

152 51.4 36.5 54.7

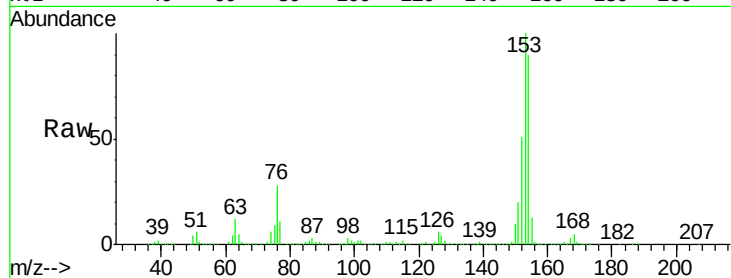
154 90.2 72.3 108.5

Manual Integrations

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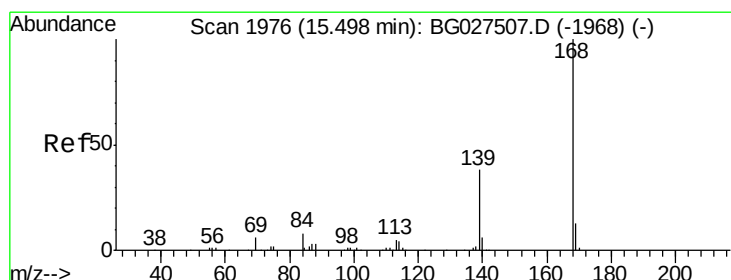
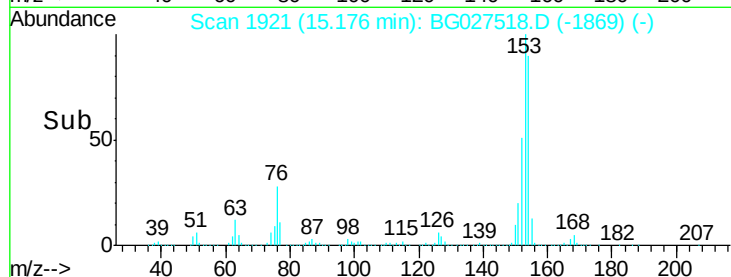
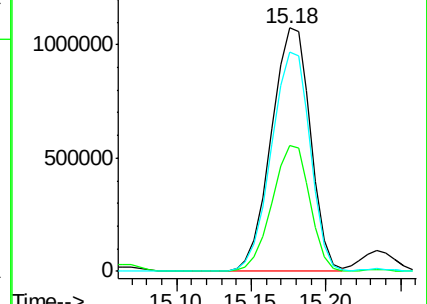
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 141.162 ng/ul

RT: 15.50 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG027518.D

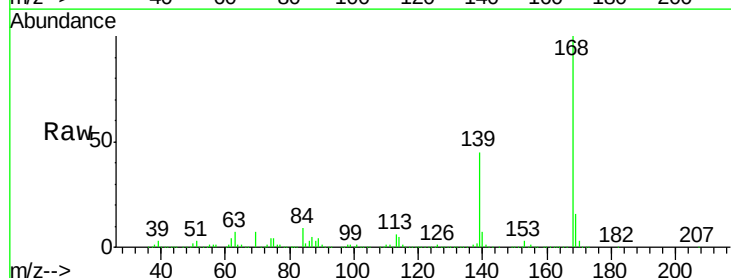
Acq: 17 Jun 2017 22:28

Tgt Ion:168 Resp: 2169440

Ion Ratio Lower Upper

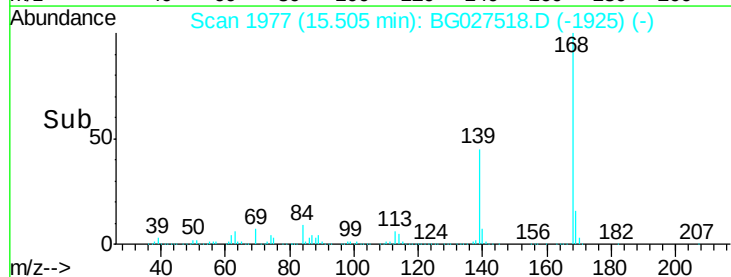
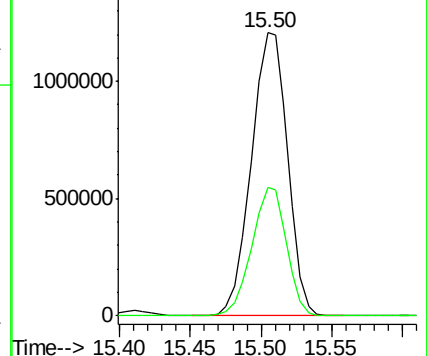
168 100

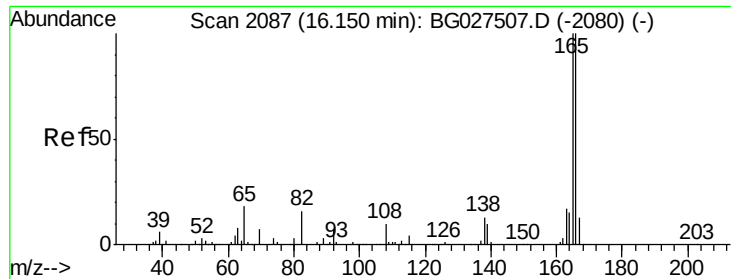
139 45.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 172.515 ng/ul

RT: 16.16 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

Tgt Ion:166 Resp: 2200204

Ion Ratio Lower Upper

166 100

165 99.3 79.7 119.5

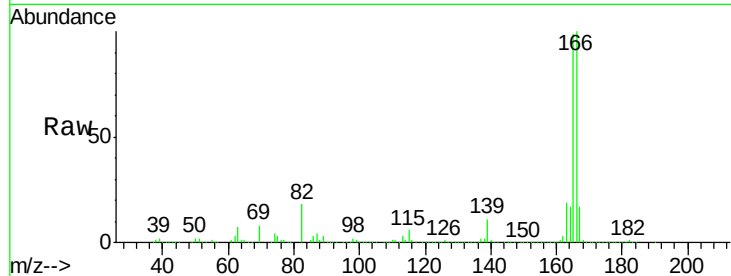
167 16.6 11.4 17.2

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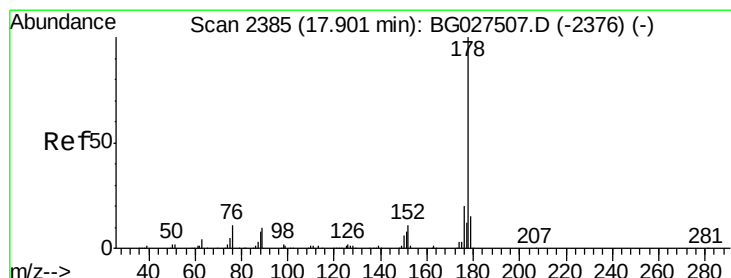
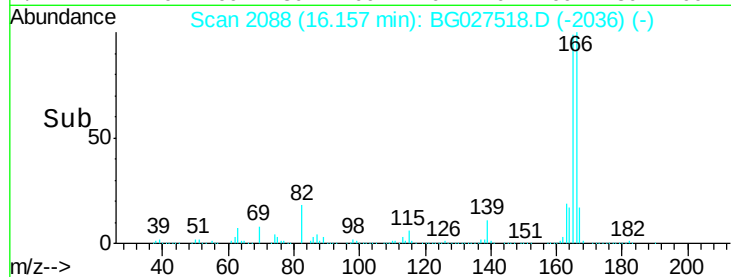
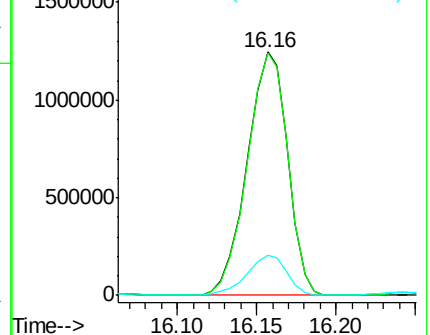
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 332.746 ng/ul m

RT: 17.93 min Scan# 2389

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

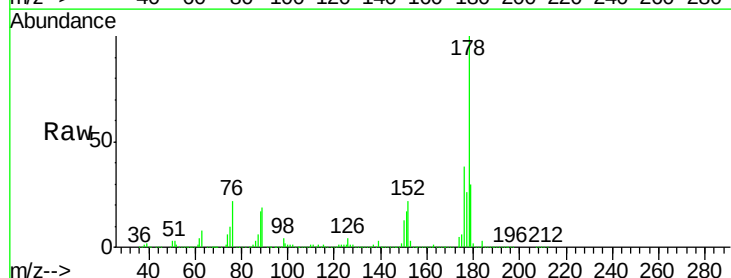
Tgt Ion:178 Resp: 5936066

Ion Ratio Lower Upper

178 100

179 30.3 12.4 18.6#

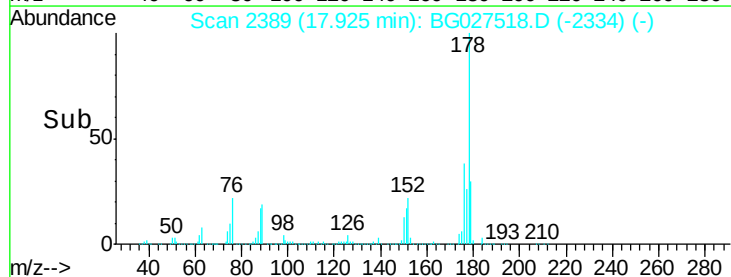
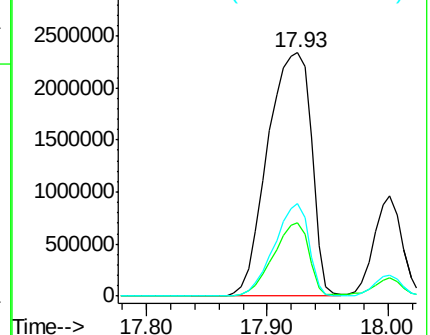
176 38.1 16.5 24.7#

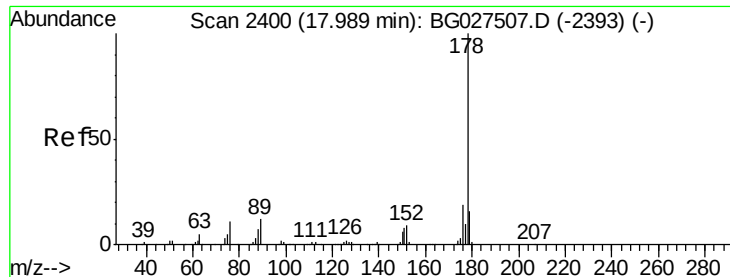


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





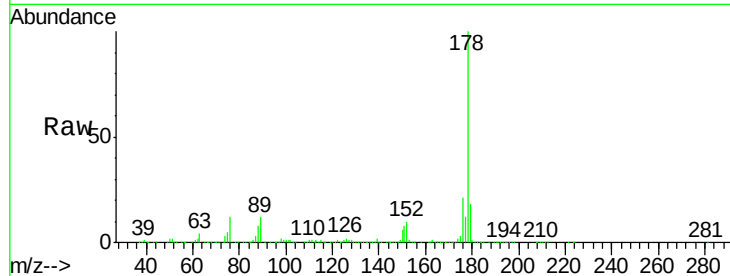
#71
 Anthracene
 Concen: 86.345 ng/ul
 RT: 18.00 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

Instrument :
 BNA_G
 ClientSampleId :
 F5B25

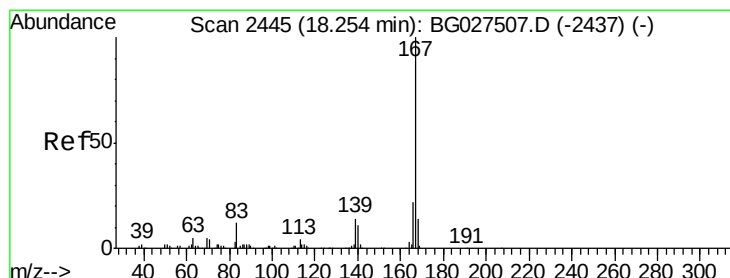
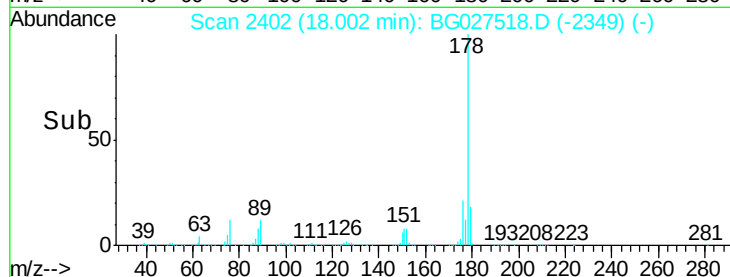
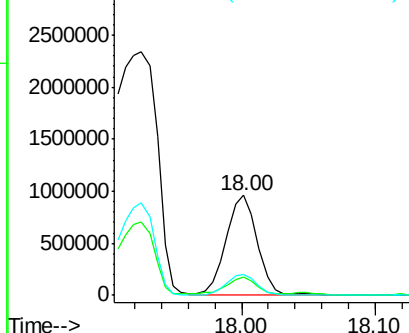
Tgt Ion:178 Resp: 1566284
 Ion Ratio Lower Upper
 178 100
 179 17.8 12.6 19.0
 176 20.9 15.9 23.9

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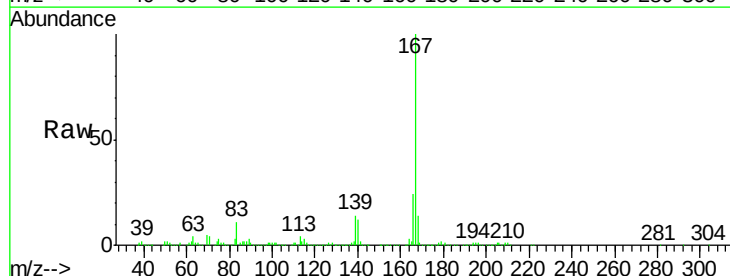


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

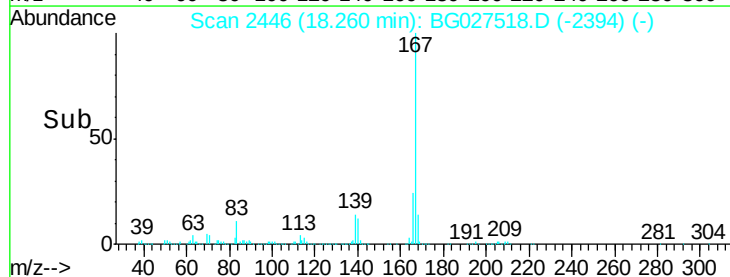
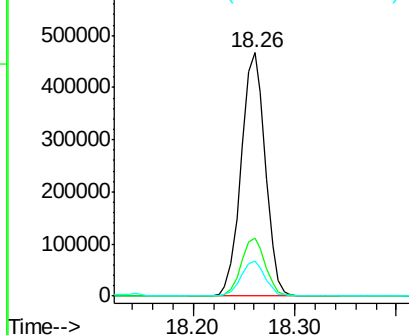


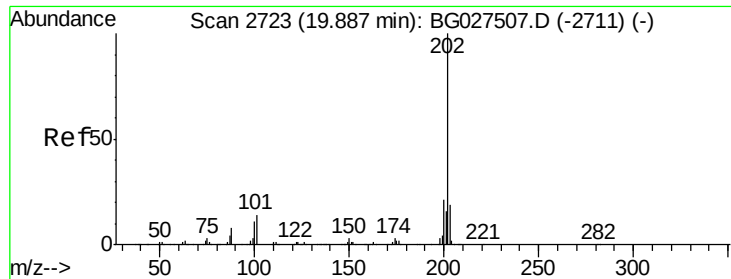
#72
 Carbazole
 Concen: 49.116 ng/ul
 RT: 18.26 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

Tgt Ion:167 Resp: 766265
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.9 26.9
 139 14.5 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: 208.019 ng/ul

RT: 19.91 min Scan# 2726

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

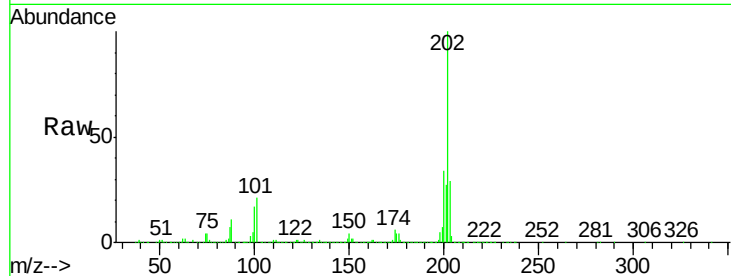
ClientSampleId :

F5B25

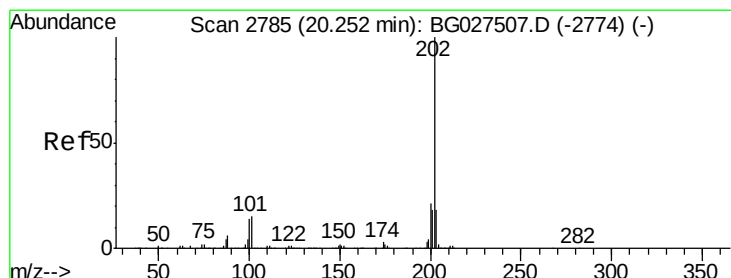
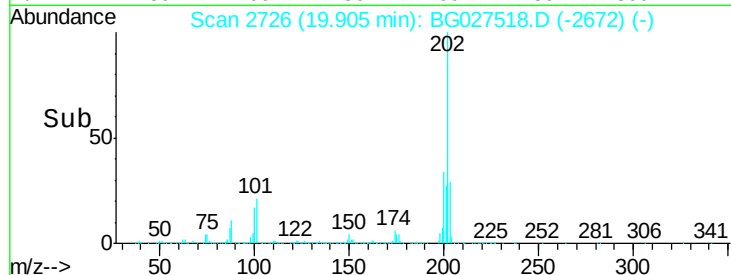
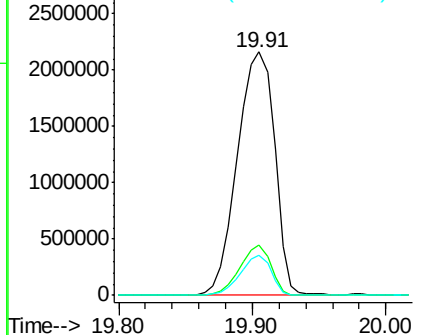
Tgt	Ion	202	Resp:	4175356
Ion	Ratio	Lower	Upper	
202	100			
101	20.8	6.2	9.2#	
100	16.6	5.2	7.8#	

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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: 147.227 ng/ul

RT: 20.26 min Scan# 2787

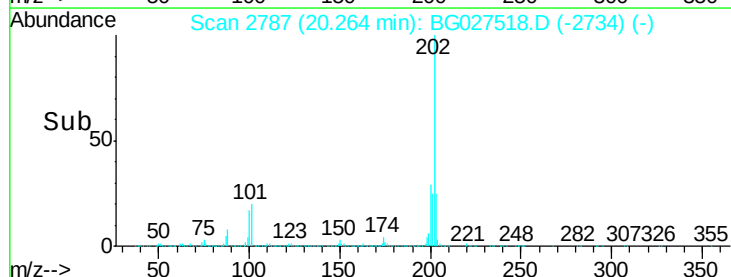
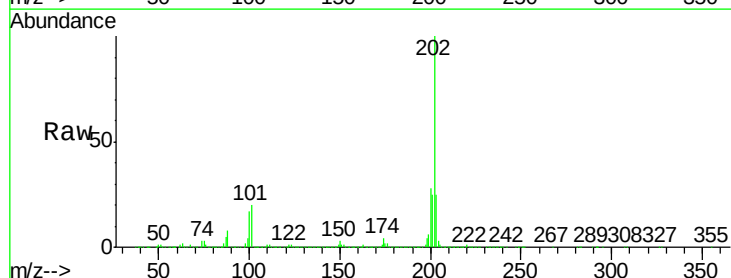
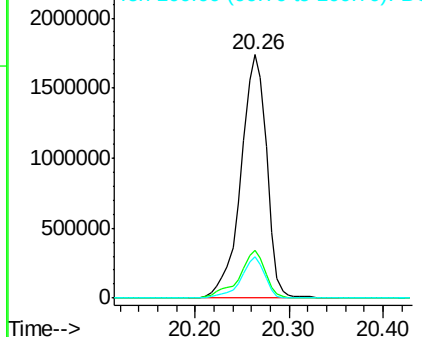
Delta R.T. 0.01 min

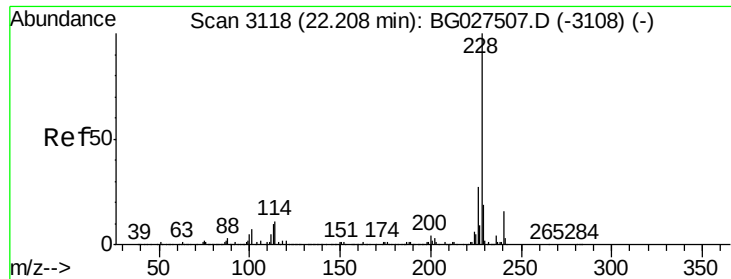
Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Tgt	Ion	202	Resp:	3293262
Ion	Ratio	Lower	Upper	
202	100			
101	19.9	6.9	10.3#	
100	17.1	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: 58.991 ng/ul

RT: 22.21 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

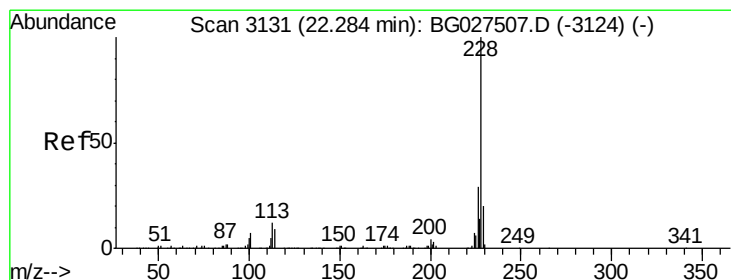
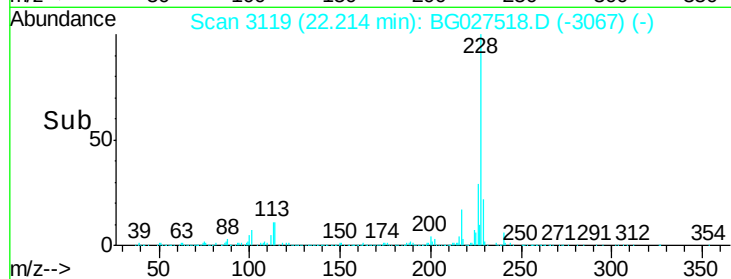
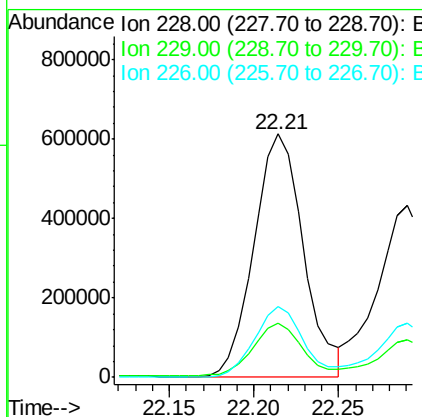
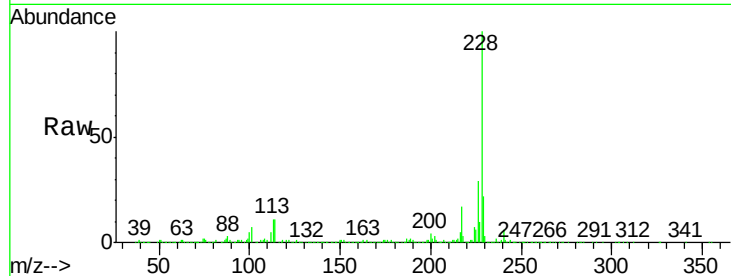
ClientSampleId :

F5B25

Tgt Ion:	228	Resp:	1243137
Ion Ratio	Lower	Upper	
228	100		
229	22.1	16.3	24.5
226	29.3	21.9	32.9

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#82

Chrysene

Concen: 47.791 ng/ul

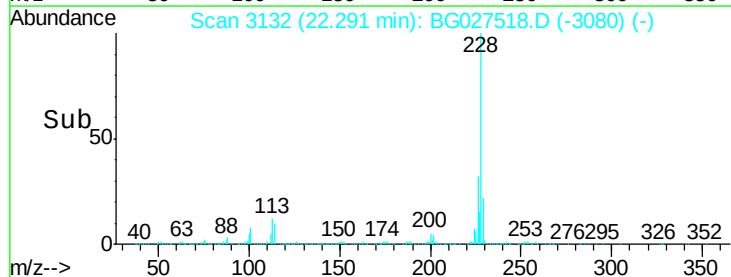
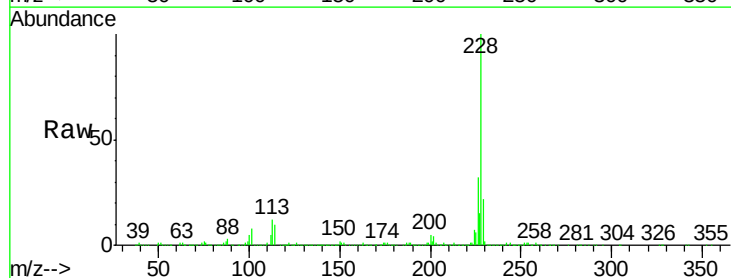
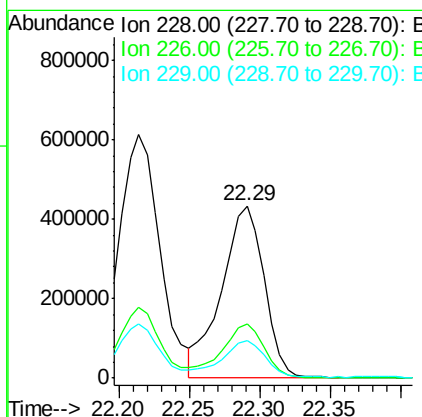
RT: 22.29 min Scan# 3132

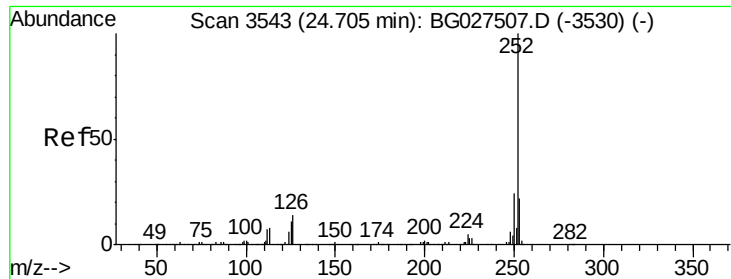
Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Tgt Ion:	228	Resp:	909571
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.0	36.0
229	22.0	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 28.780 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

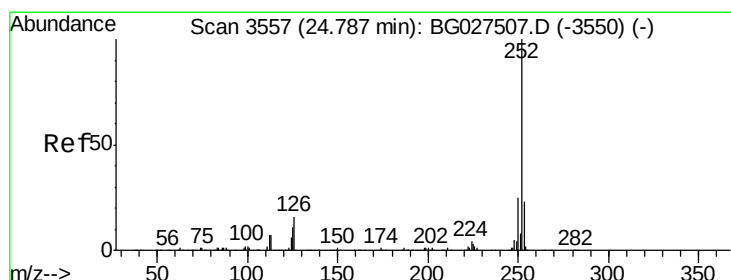
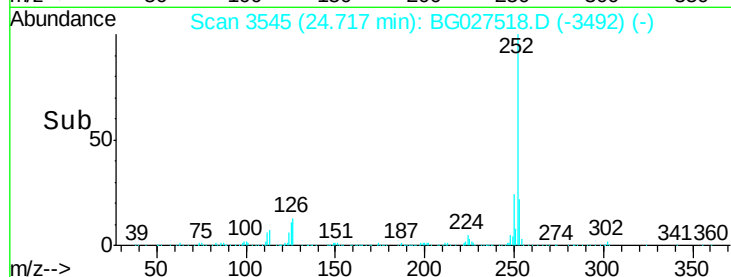
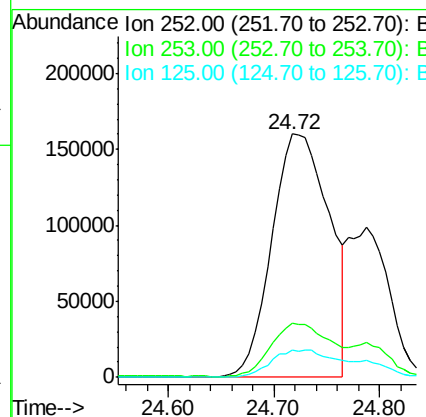
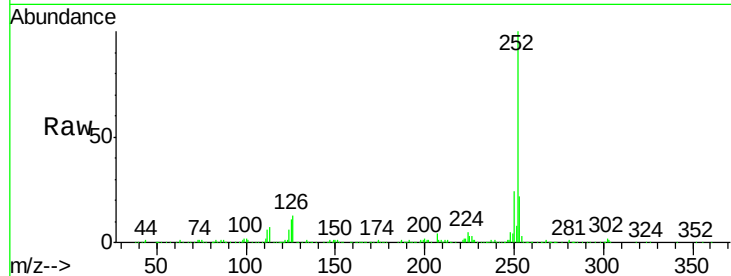
ClientSampleId :

F5B25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	4.0	6.0#

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#86

Benzo(k)fluoranthene

Concen: 13.331 ng/ul m

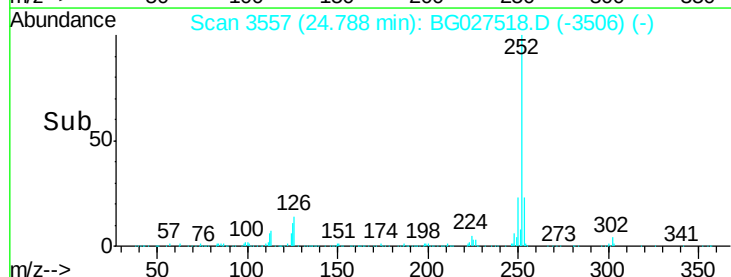
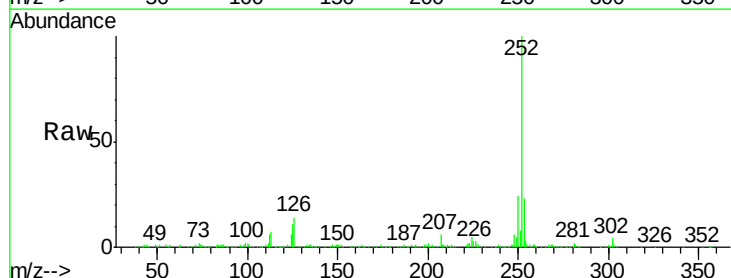
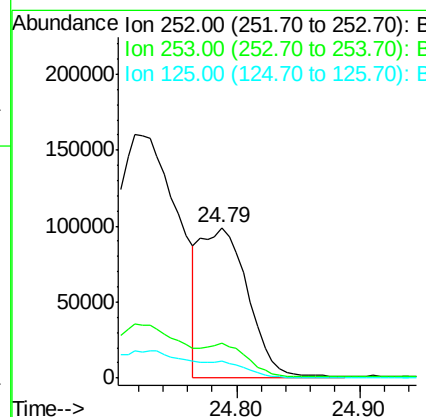
RT: 24.79 min Scan# 3557

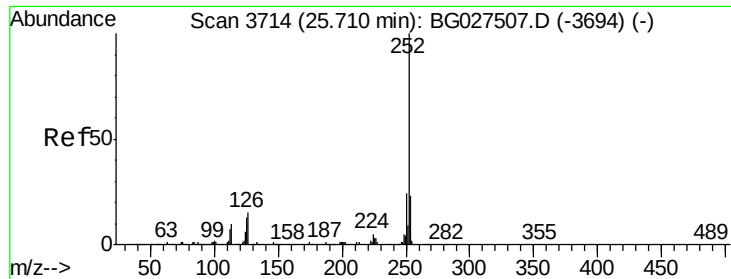
Delta R.T. 0.00 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	11.3	4.1	6.1#





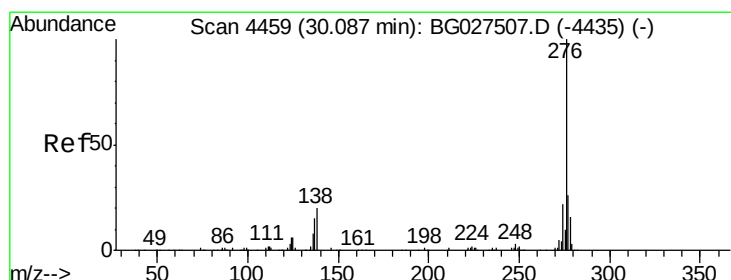
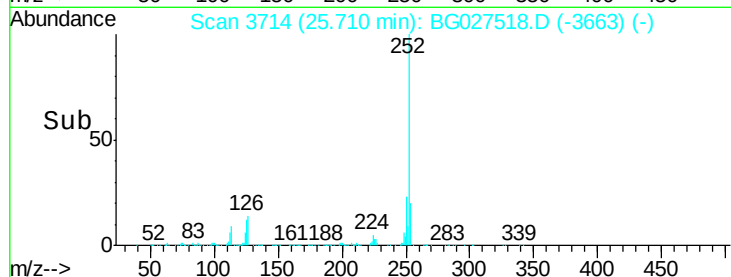
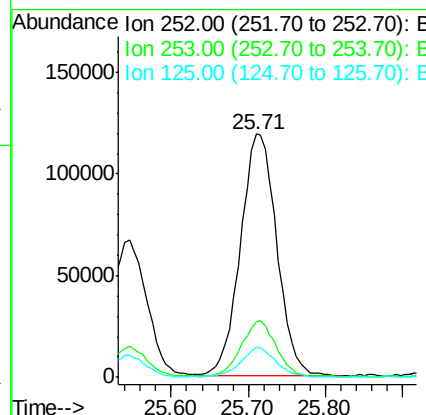
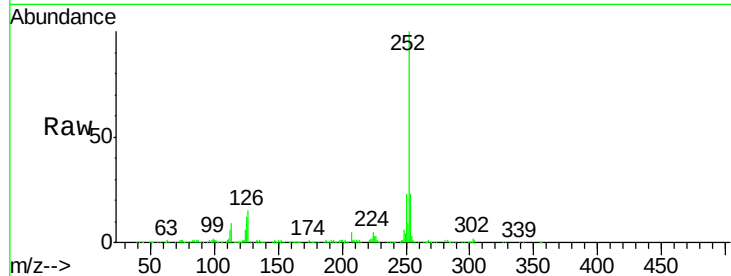
#88
Benzo(a)pyrene
Concen: 19.425 ng/ul
RT: 25.71 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Instrument :
BNA_G
ClientSampleId :
F5B25

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	17.8	26.6
125	12.3	5.4	8.0#

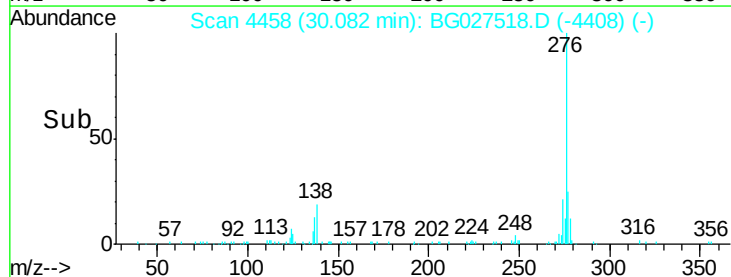
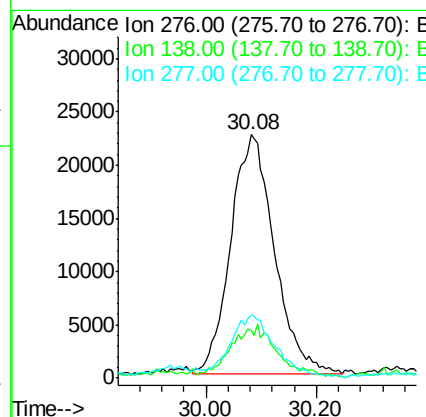
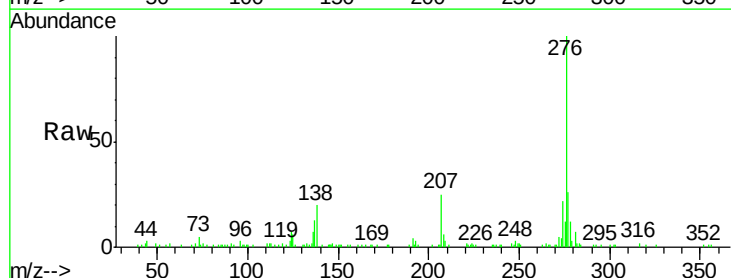
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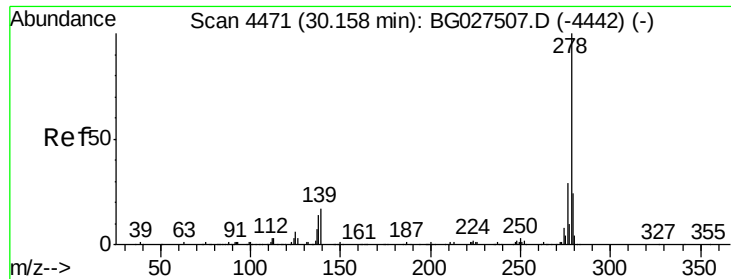
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#89
Indeno(1,2,3-cd)pyrene
Concen: 5.364 ng/ul
RT: 30.08 min Scan# 4458
Delta R.T. -0.01 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.8	8.2	12.4#
277	26.0	18.6	28.0





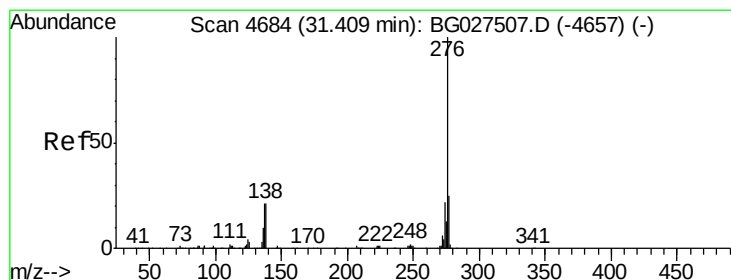
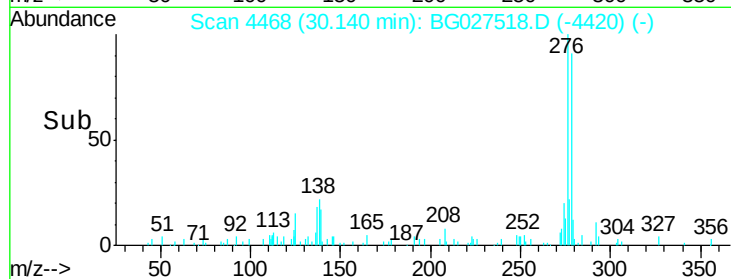
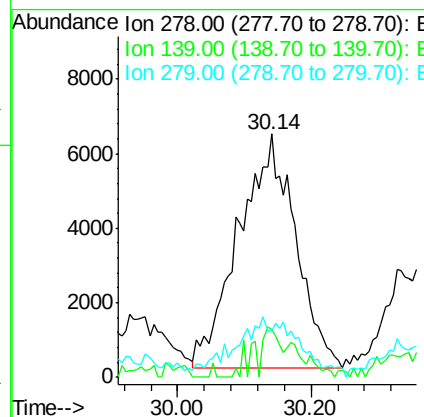
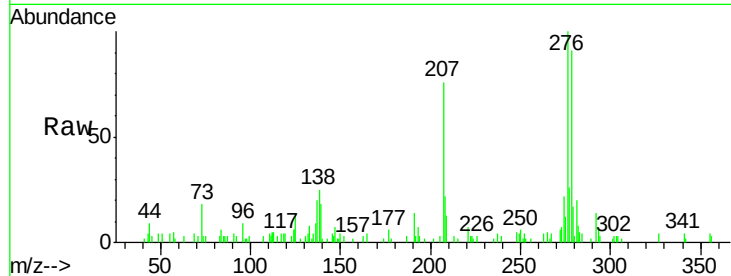
#90
Dibenzo(a,h)anthracene
Concen: 1.871 ng/ul
RT: 30.14 min Scan# 4468
Delta R.T. -0.02 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Instrument :
BNA_G
ClientSampleId :
F5B25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	6.7	10.1#
279	19.0	20.9	31.3#

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#91
Benzo(g,h,i)perylene
Concen: 3.944 ng/ul
RT: 31.39 min Scan# 4681
Delta R.T. -0.02 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	8.6	12.8#
277	23.8	17.6	26.4

