

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027503.D
 Acq On : 17 Jun 2017 11:53
 Operator : SJ/MA
 Sample : I3599-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5B28

Manual Integrations
 APPROVED

mohammad
 6/19/2017 9:13:15 AM

Quant Time: Jun 19 01:32:54 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 19 00:57:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	45711	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	235061	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	155388	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	365389	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	394695	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	375389	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	4287	3.75	ng/uL	0.00
5) Phenol-d5	7.65	99	93177	18.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	73977	21.90	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	66623	20.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	77990	20.12	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	34605	20.27	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	39947	22.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	68492	19.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	105277	24.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	267531	20.56	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	312348	20.84	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	41575	16.33	ng/ul	0.00
57) Fluorene-d10	16.09	176	242031	19.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	38991	17.18	ng/ul	0.00
70) Anthracene-d10	17.95	188	375826	22.06	ng/ul	0.00
76) Pyrene-d10	20.22	212	430285	22.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	377796	22.35	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.68	94	54563	10.504	ng/ul#	85
11) 2-Methylphenol	8.93	108	12834	3.418	ng/ul	98
16) 4-Methylphenol	9.26	108	46139	11.189	ng/ul	94
24) 2,4-Dimethylphenol	10.47	107	16057	3.384	ng/ul#	94
28) Naphthalene	11.39	128	1043882	86.416	ng/ul	98
34) 2-Methylnaphthalene	12.95	142	271875	30.350	ng/ul	93
40) 1,1'-Biphenyl	13.94	154	76046	6.186	ng/ul#	97
44) Dimethylphthalate	14.53	163	119759	9.281	ng/ul	100
47) Acenaphthylene	14.83	152	15733	1.048	ng/ul#	93
49) Acenaphthene	15.17	153	267827	25.572	ng/ul	97
53) Dibenzofuran	15.50	168	303414	19.876	ng/ul	98
58) Fluorene	16.15	166	318648	25.154	ng/ul	100
69) Phenanthrene	17.90	178	1360093	69.267	ng/ul	97
71) Anthracene	17.99	178	212174	10.627	ng/ul	99
72) Carbazole	18.25	167	145630	8.481	ng/ul	99
74) Fluoranthene	19.89	202	794118	35.945	ng/ul#	87
77) Pyrene	20.25	202	529821	22.709	ng/ul#	81
80) Benzo(a)anthracene	22.21	228	150813	6.861	ng/ul	99
82) Chrysene	22.28	228	110673	5.575	ng/ul	99
85) Benzo(b)fluoranthene	24.72	252	66538	2.976	ng/ul#	94
86) Benzo(k)fluoranthene	24.77	252	22193m	1.033	ng/ul	
88) Benzo(a)pyrene	25.70	252	39076	1.820	ng/ul#	93

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

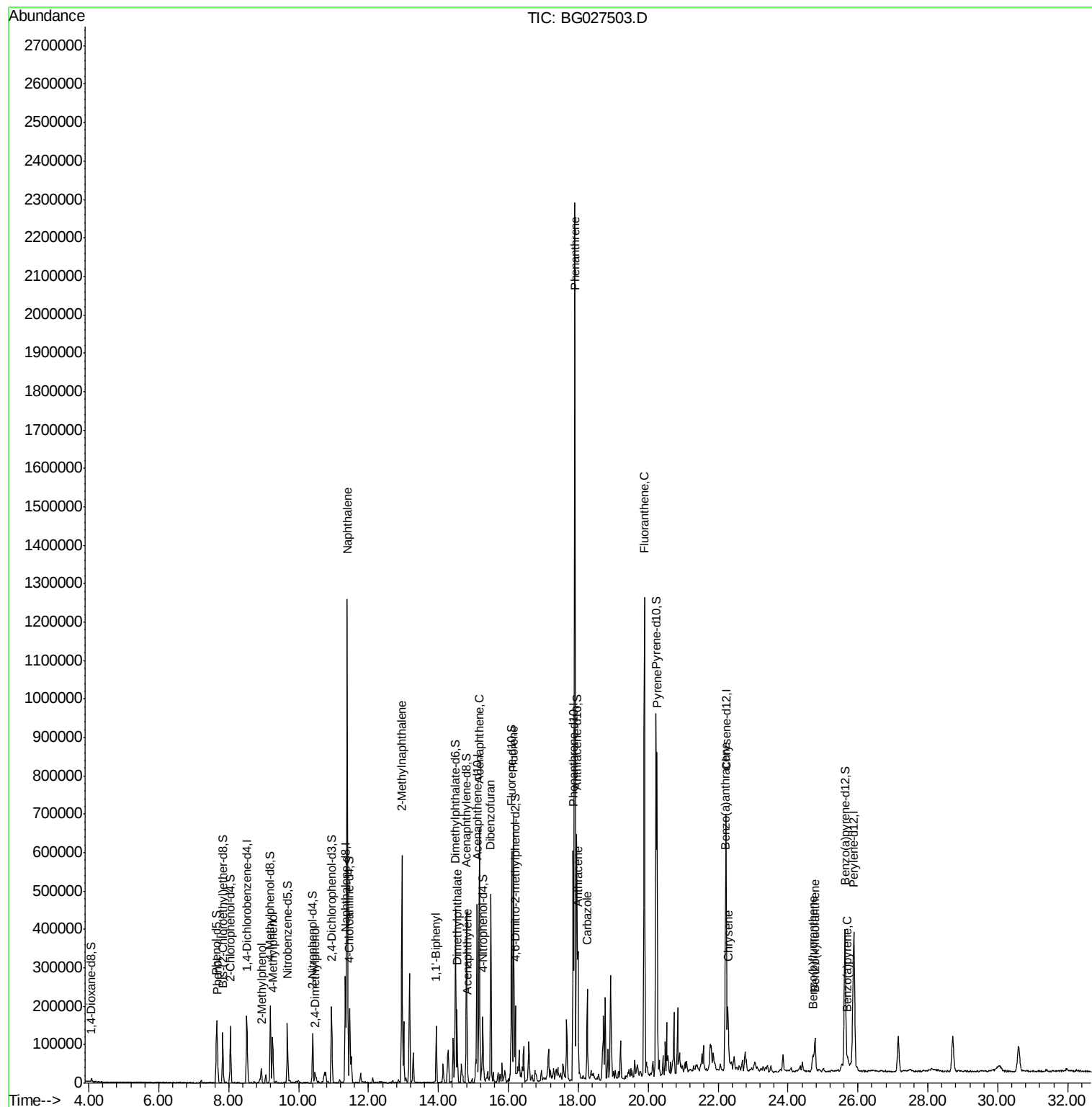
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027503.D
Acq On : 17 Jun 2017 11:53
Operator : SJ/MA
Sample : I3599-14
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ALS Vial : 36 Sample Multiplier: 1

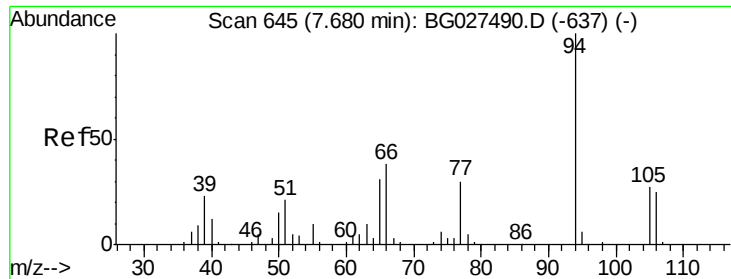
Instrument :
BNA_G
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#6

Phenol

Concen: 10.504 ng/ul

RT: 7.68 min Scan# 646

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

Tgt Ion: 94 Resp: 54563

Ion Ratio Lower Upper

94 100

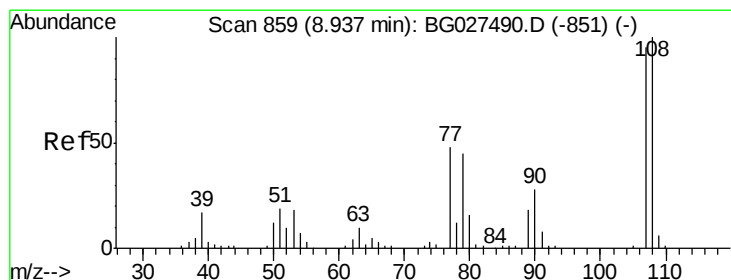
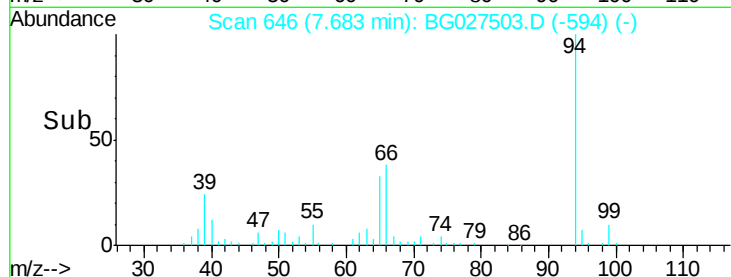
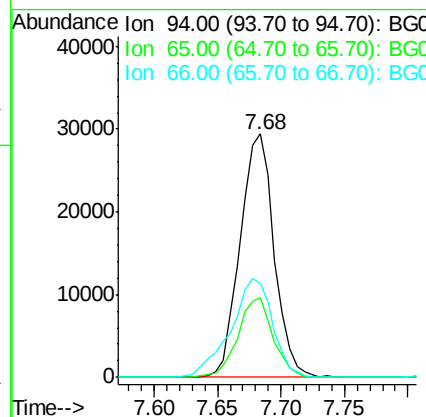
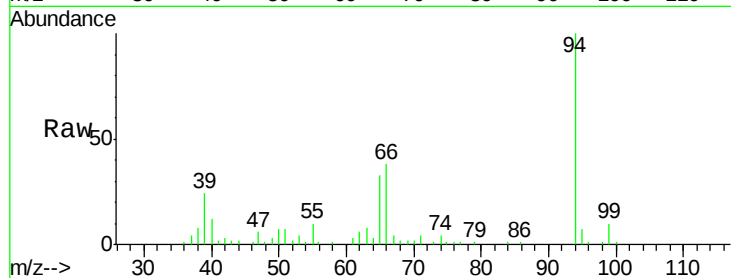
65 32.9 26.8 40.2

66 38.4 44.4 66.6#

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#11

2-Methylphenol

Concen: 3.418 ng/ul

RT: 8.93 min Scan# 859

Delta R.T. -0.00 min

Lab File: BG027503.D

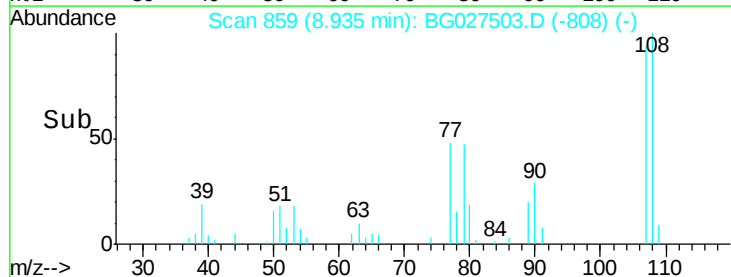
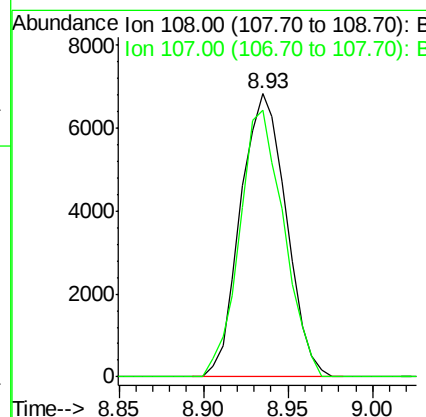
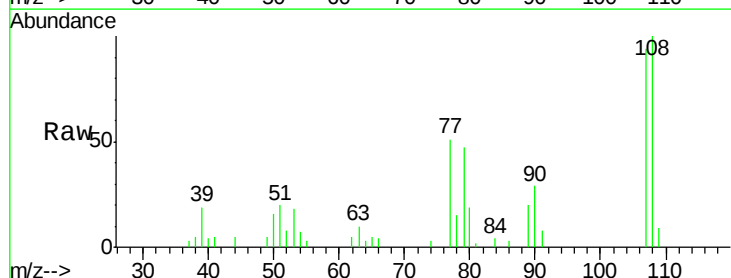
Acq: 17 Jun 2017 11:53

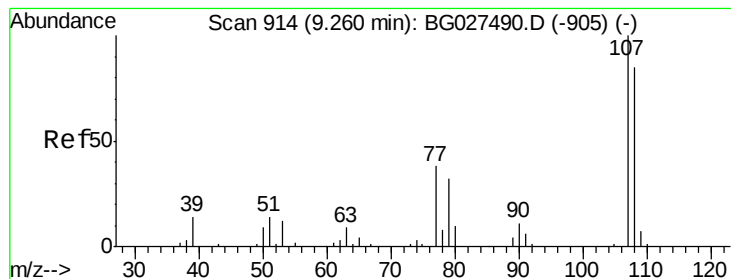
Tgt Ion: 108 Resp: 12834

Ion Ratio Lower Upper

108 100

107 94.2 76.7 115.1





#16

4-Methylphenol

Concen: 11.189 ng/ul

RT: 9.26 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

Tgt Ion:108 Resp: 46139

Ion Ratio Lower Upper

108 100

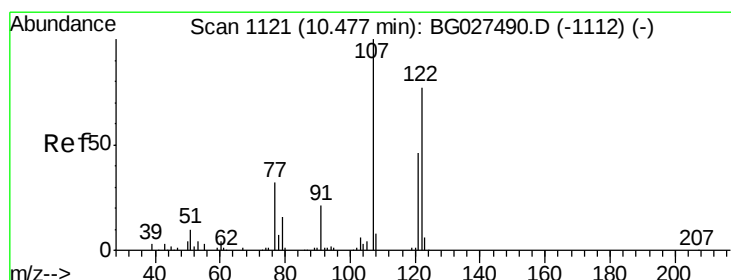
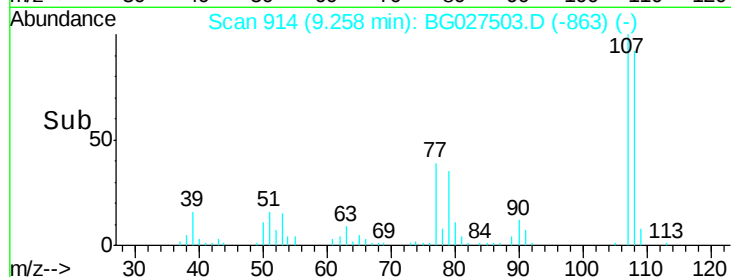
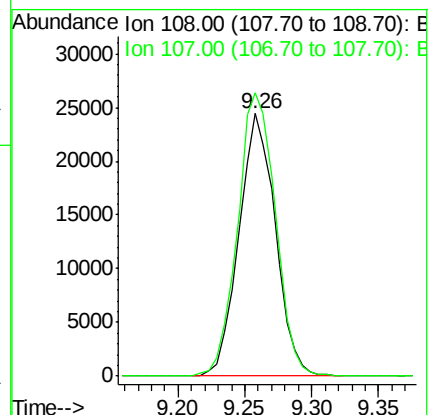
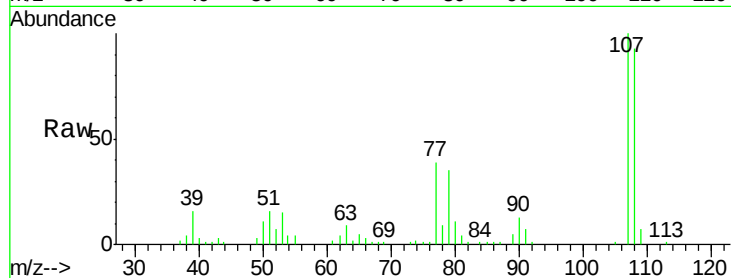
107 107.8 91.7 137.5

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#24

2,4-Dimethylphenol

Concen: 3.384 ng/ul

RT: 10.47 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

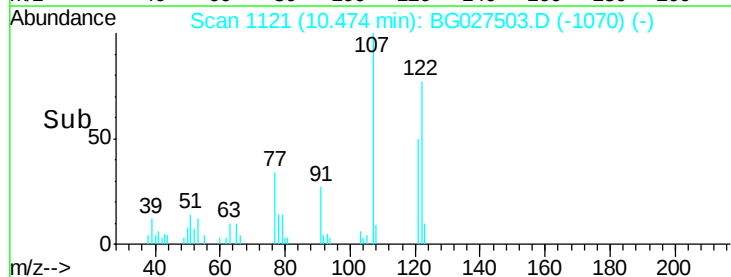
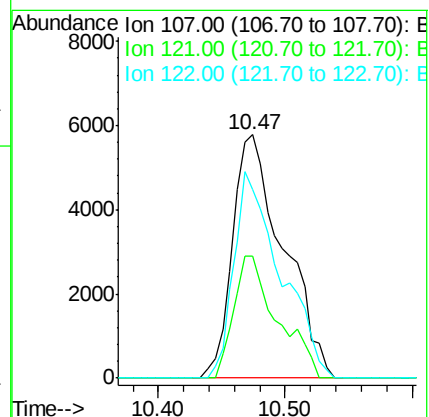
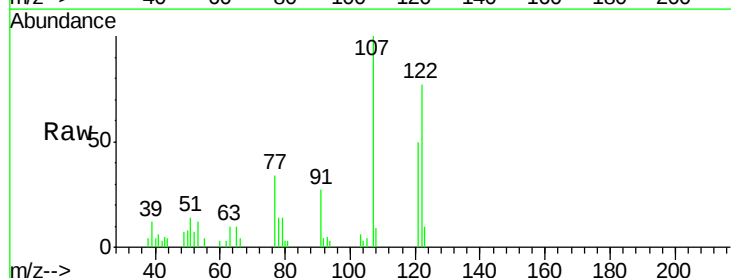
Tgt Ion:107 Resp: 16057

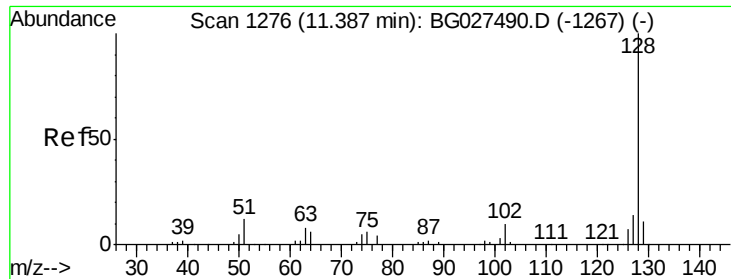
Ion Ratio Lower Upper

107 100

121 50.0 32.3 48.5#

122 77.4 61.2 91.8





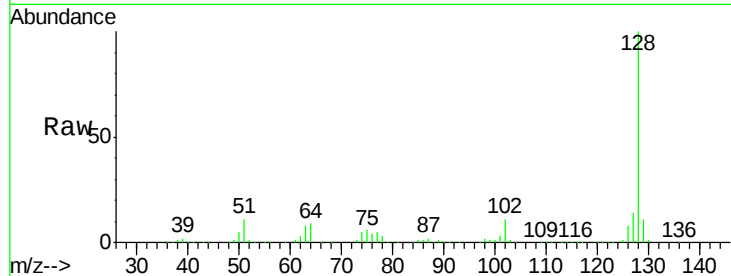
#28
Naphthalene
Concen: 86.416 ng/ul
RT: 11.39 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
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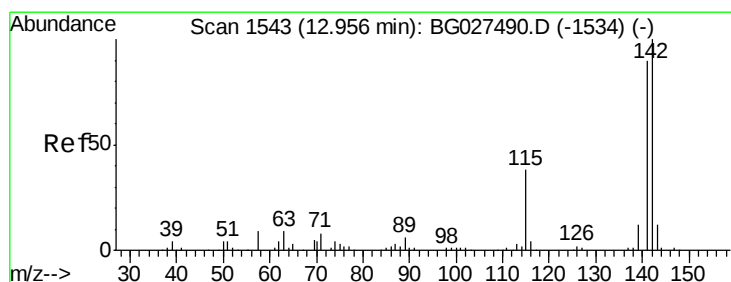
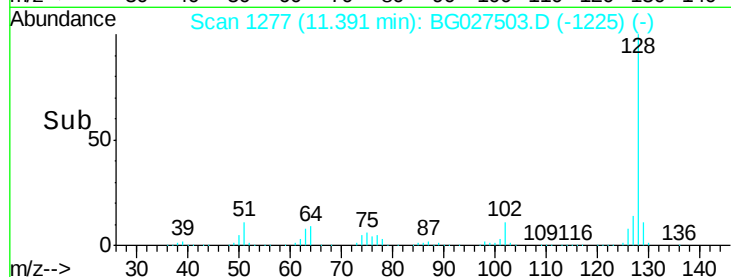
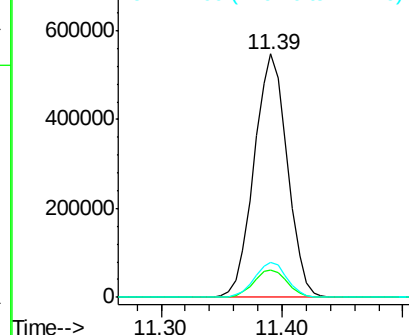
Tgt Ion:128 Resp: 1043882
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 14.4 10.3 15.5

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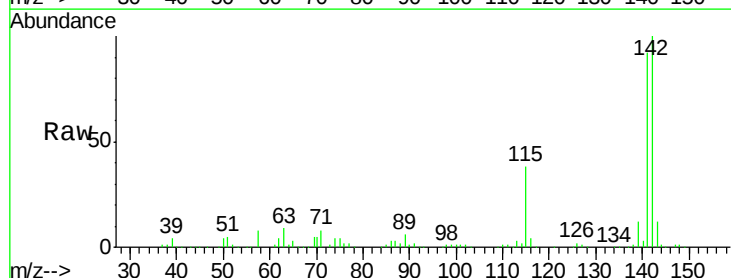


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

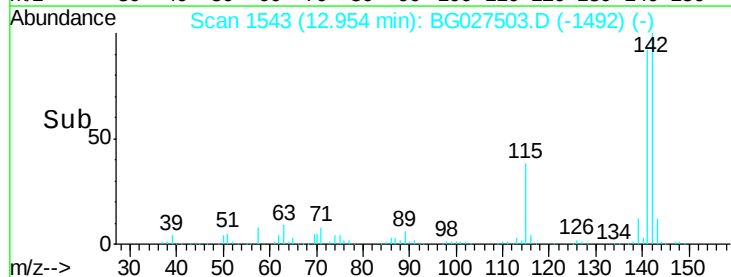
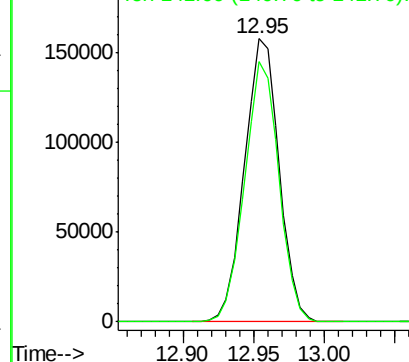


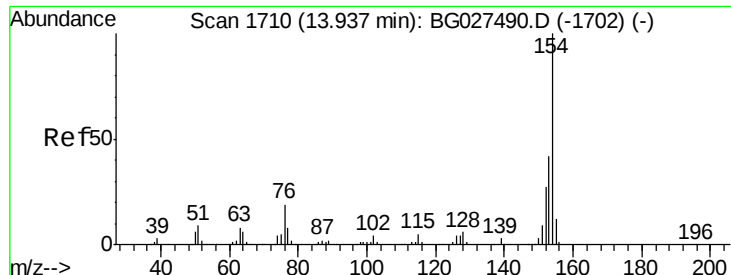
#34
2-Methylnaphthalene
Concen: 30.350 ng/ul
RT: 12.95 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion:142 Resp: 271875
Ion Ratio Lower Upper
142 100
141 92.1 68.6 102.8



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





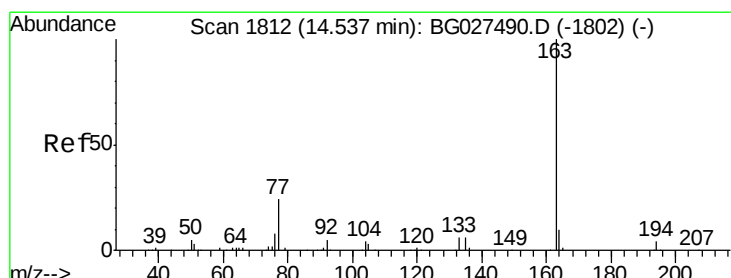
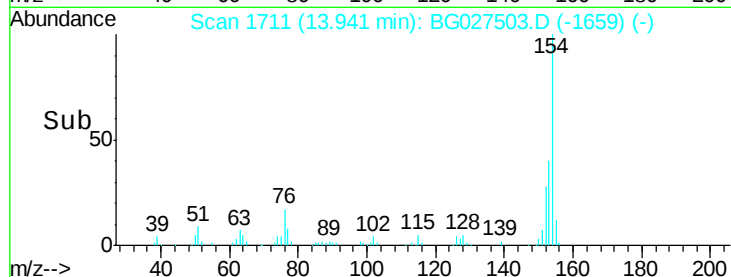
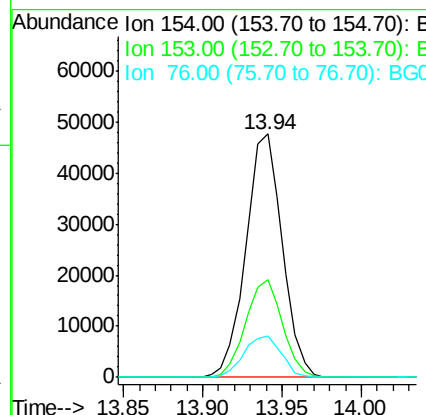
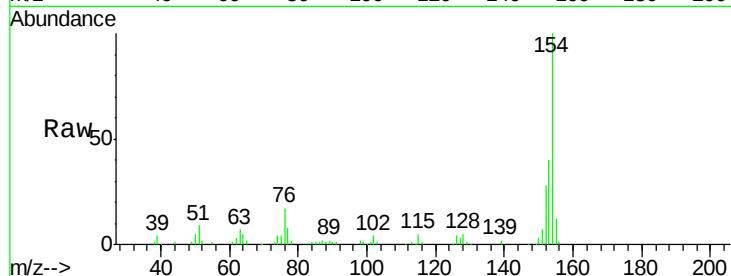
#40
1,1'-Biphenyl
Concen: 6.186 ng/ul
RT: 13.94 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	40.2	32.2	48.2
76	17.1	9.6	14.4

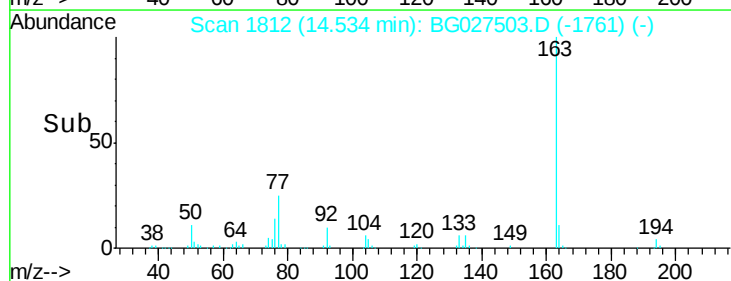
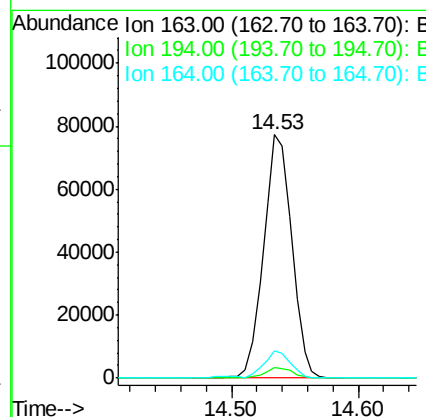
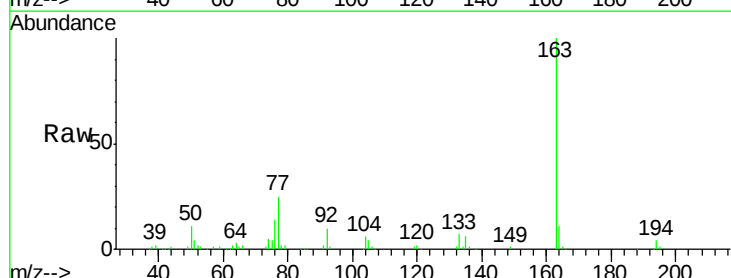
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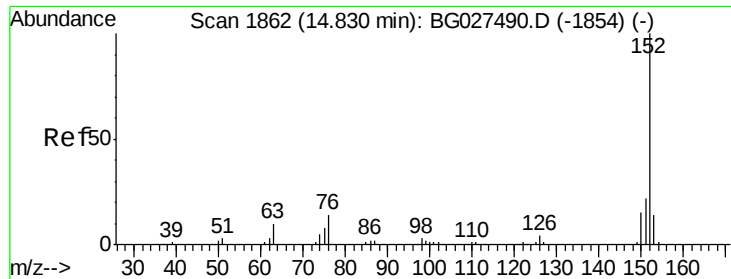
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#44
Dimethylphthalate
Concen: 9.281 ng/ul
RT: 14.53 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.2	3.4	5.0
164	11.1	9.0	13.4





#47

Acenaphthylene

Concen: 1.048 ng/ul

RT: 14.83 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BG027503.D

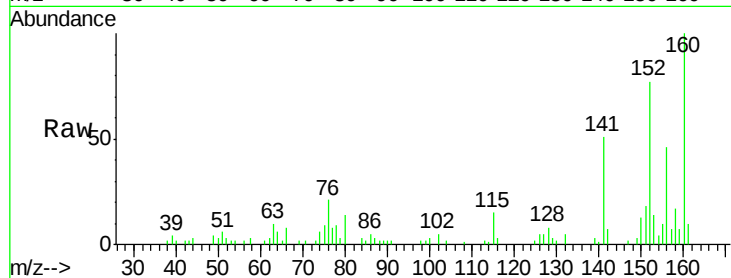
Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

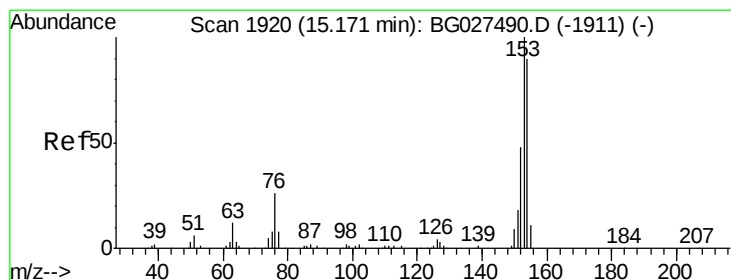
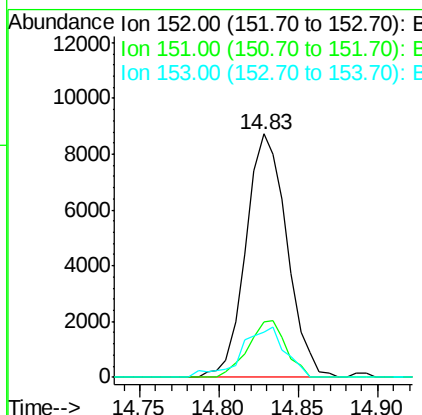
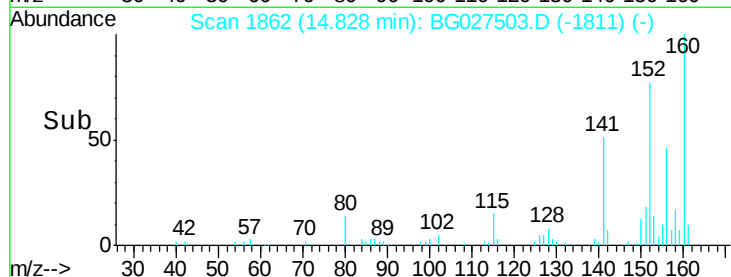
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.7	25.1
153	18.8	11.4	17.2

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#49

Acenaphthene

Concen: 25.572 ng/ul

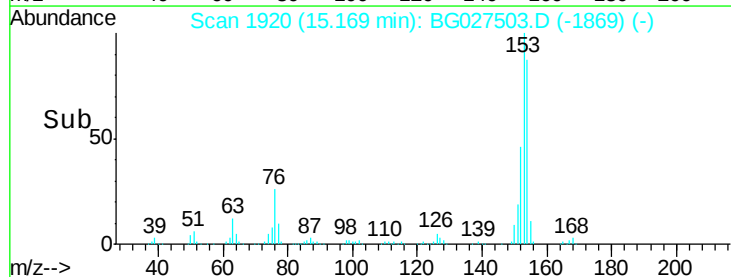
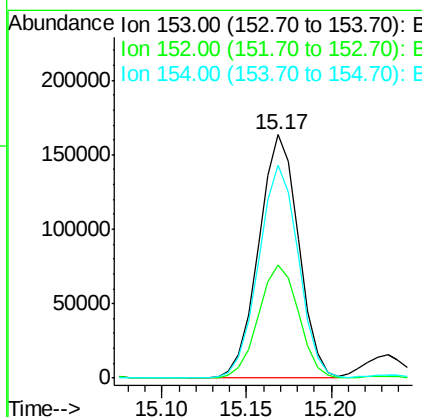
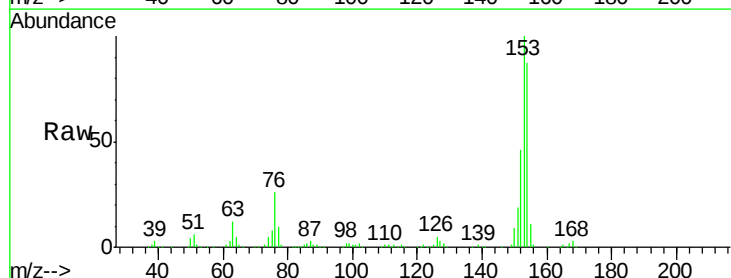
RT: 15.17 min Scan# 1920

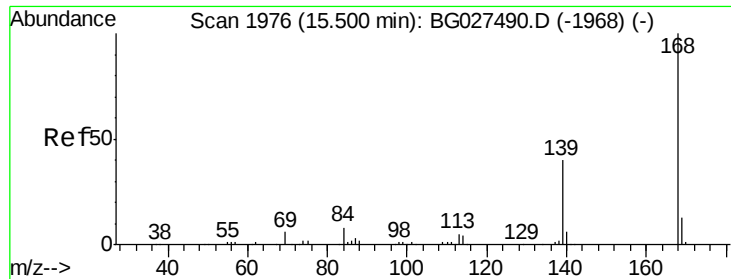
Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	36.5	54.7
154	87.5	72.3	108.5





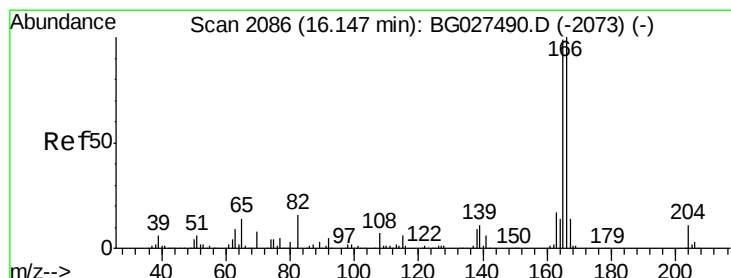
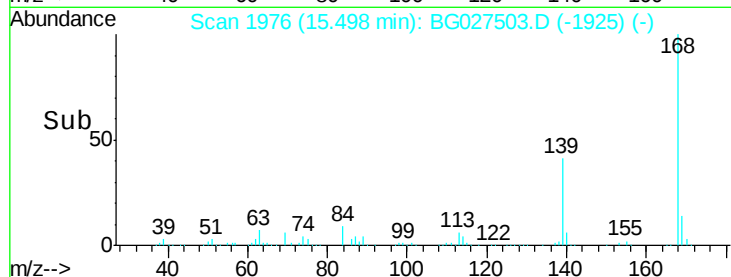
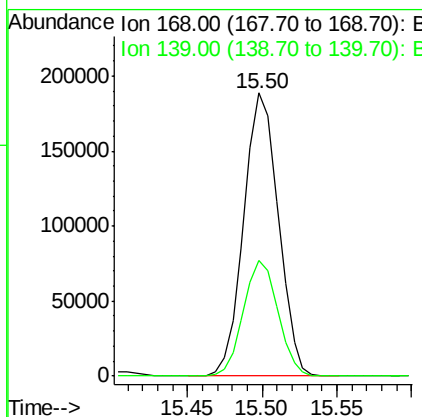
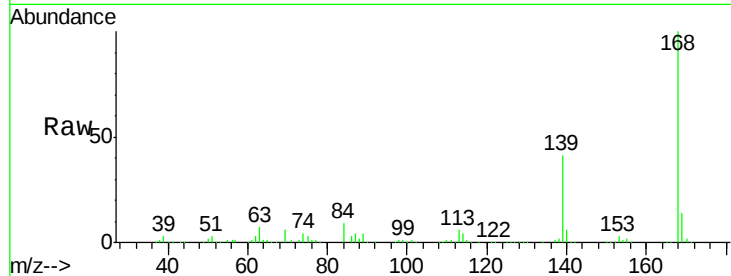
#53
Dibenzenofuran
Concen: 19.876 ng/ul
RT: 15.50 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
BNA_G
ClientSampleId :
F5B28

Tgt Ion:168 Resp: 303414
Ion Ratio Lower Upper
168 100
139 41.0 33.8 50.8

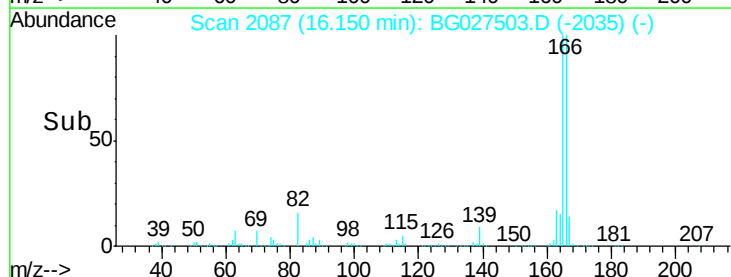
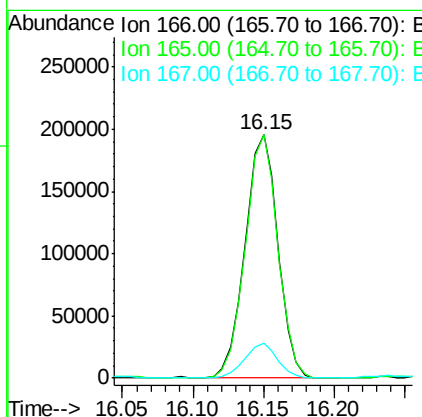
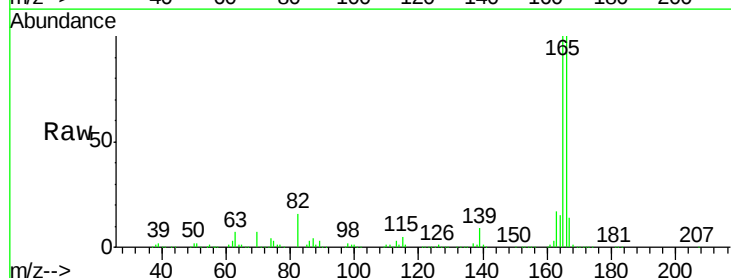
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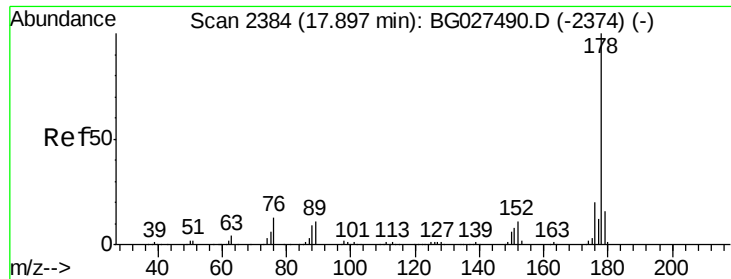
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#58
Fluorene
Concen: 25.154 ng/ul
RT: 16.15 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion:166 Resp: 318648
Ion Ratio Lower Upper
166 100
165 99.9 79.7 119.5
167 14.3 11.4 17.2





#69

Phenanthrene

Concen: 69.267 ng/ul

RT: 17.90 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

Tgt Ion:178 Resp: 1360093

Ion Ratio Lower Upper

178 100

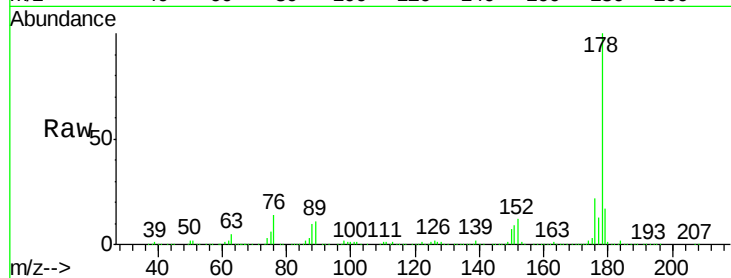
179 16.9 12.4 18.6

176 21.6 16.5 24.7

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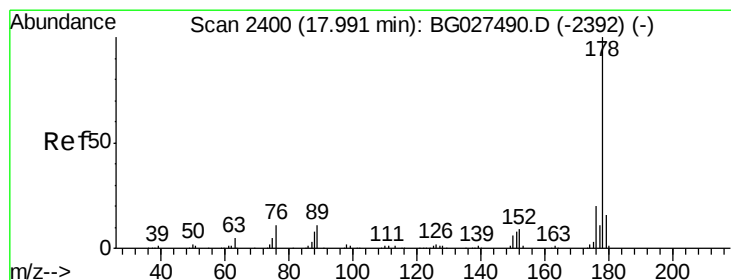
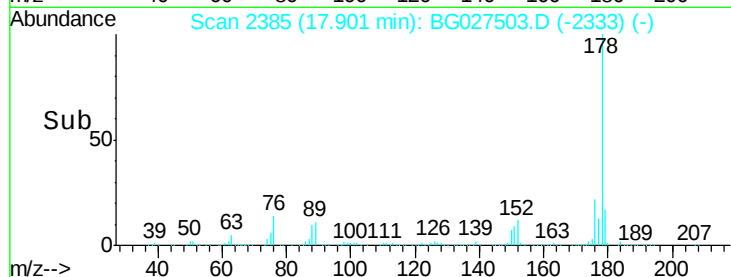
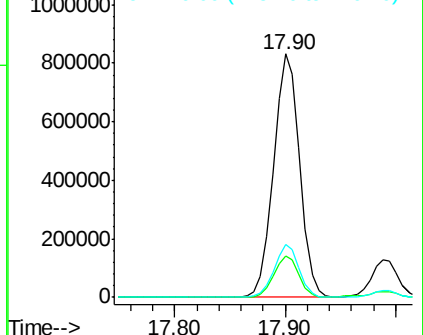
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.627 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Tgt Ion:178 Resp: 212174

Ion Ratio Lower Upper

178 100

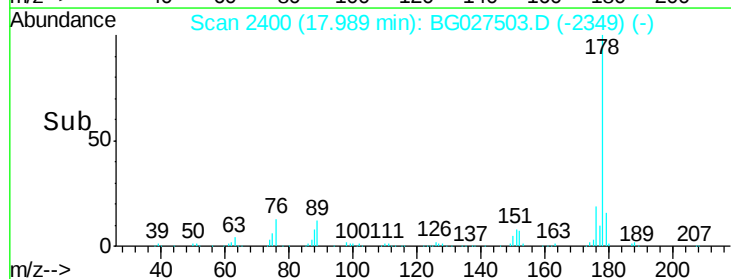
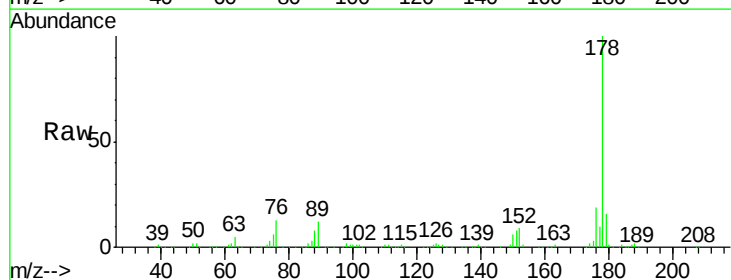
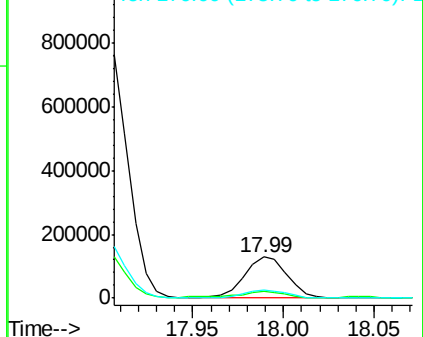
179 16.0 12.6 19.0

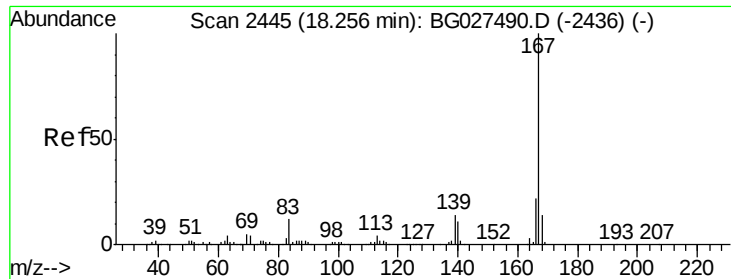
176 19.1 15.9 23.9

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





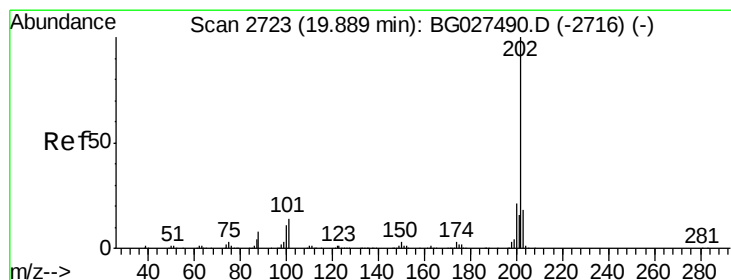
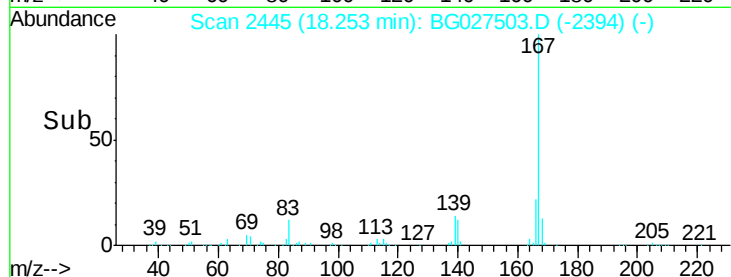
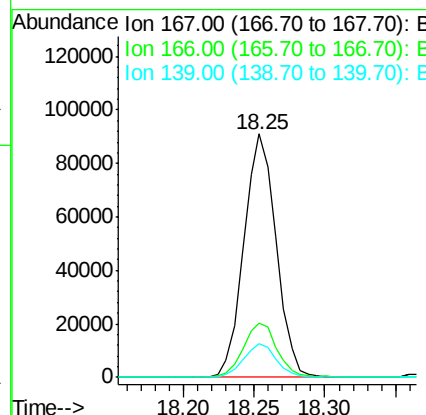
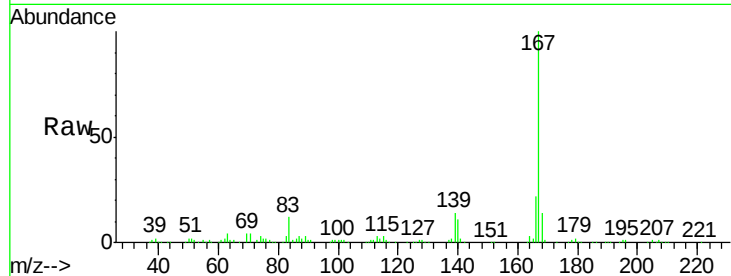
#72
 Carbazole
 Concen: 8.481 ng/ul
 RT: 18.25 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG027503.D
 Acq: 17 Jun 2017 11:53

Instrument :
 BNA_G
 ClientSampleId :
 F5B28

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	22.2	17.9	26.9
139	14.1	10.5	15.7

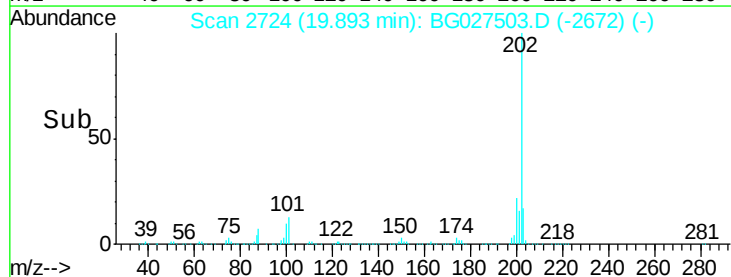
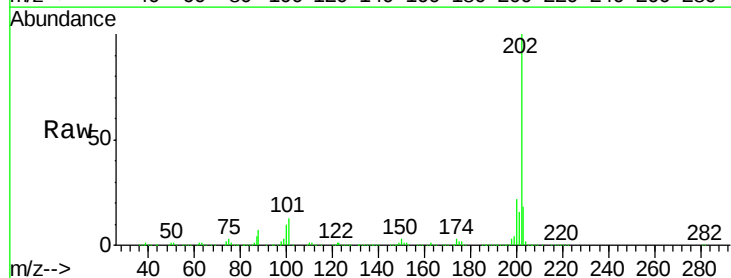
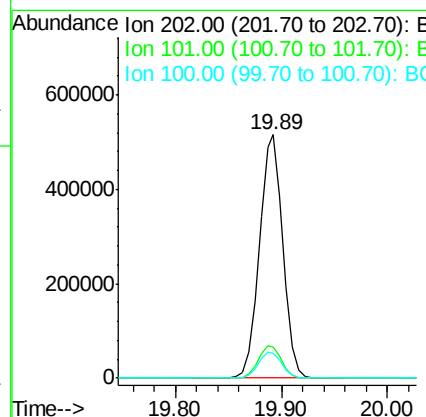
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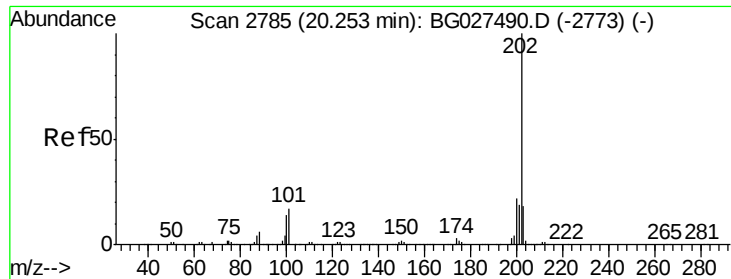
mohammad
 6/19/2017 9:13:15 AM



#74
 Fluoranthene
 Concen: 35.945 ng/ul
 RT: 19.89 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BG027503.D
 Acq: 17 Jun 2017 11:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.0	6.2	9.2#
100	10.4	5.2	7.8#





#77

Pyrene

Concen: 22.709 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

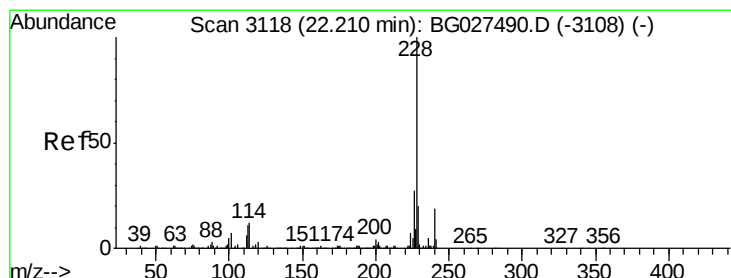
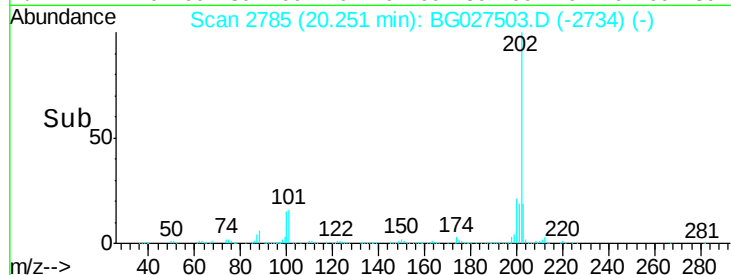
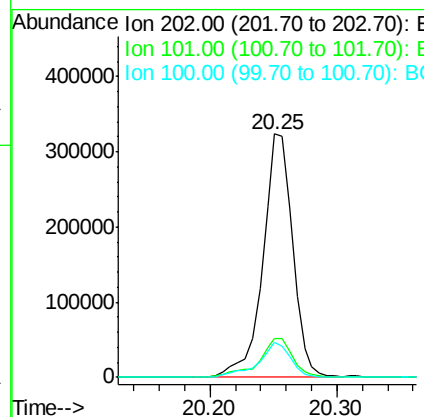
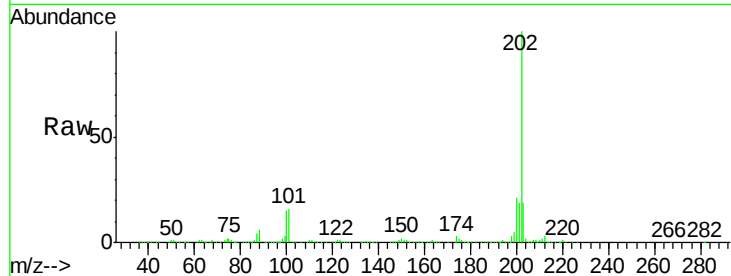
ClientSampleId :

F5B28

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		529821		
101	16.2	6.9	10.3#		
100	14.6	6.6	10.0#		

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#80

Benzo(a)anthracene

Concen: 6.861 ng/ul

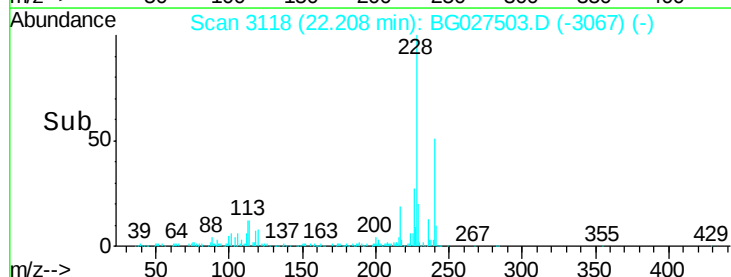
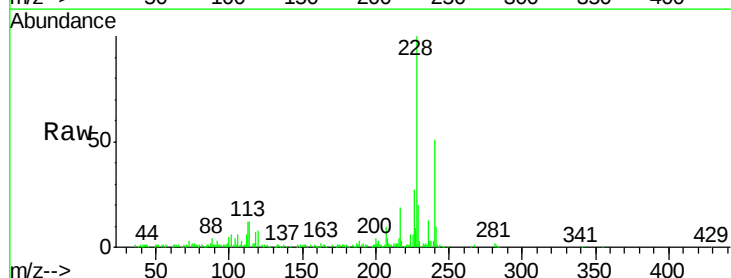
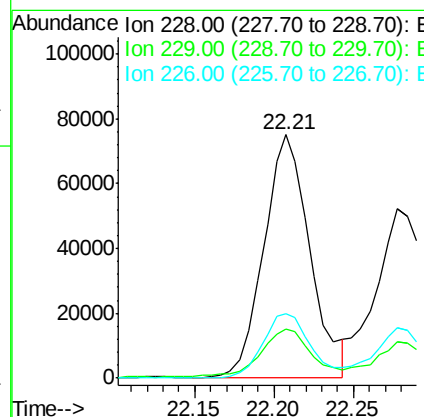
RT: 22.21 min Scan# 3118

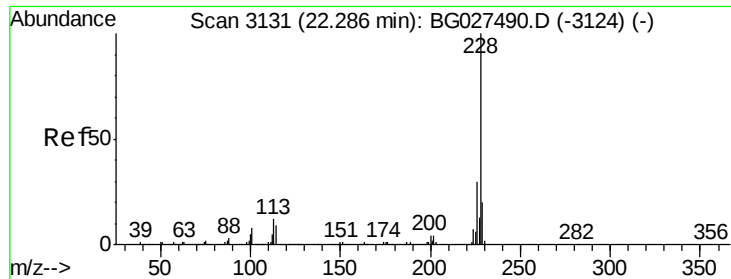
Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		150813		
229	20.3	16.3	24.5		
226	26.6	21.9	32.9		





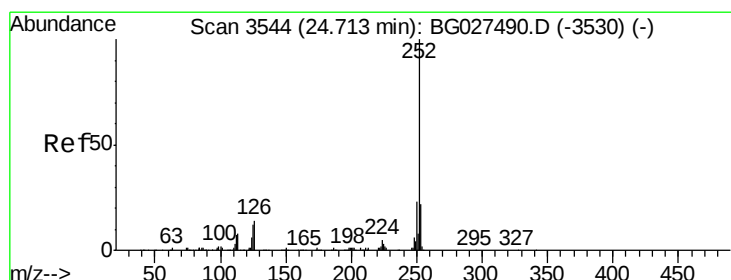
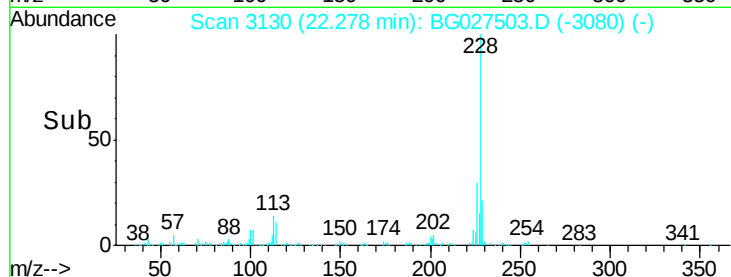
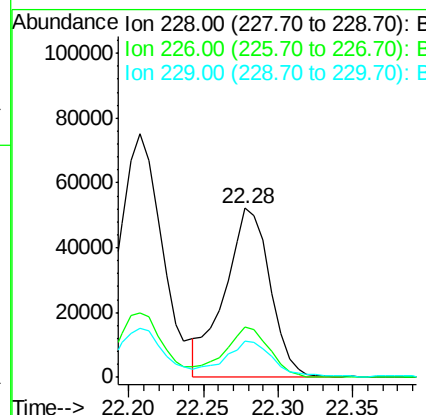
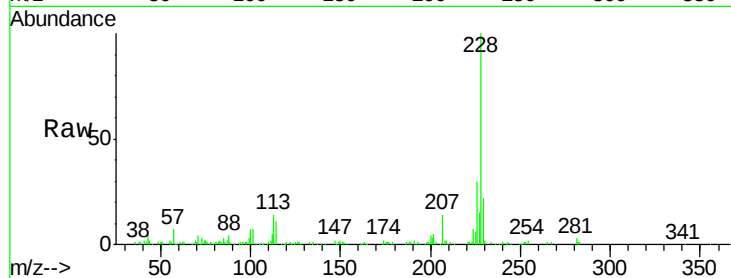
#82
Chrysene
Concen: 5.575 ng/ul
RT: 22.28 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
BNA_G
ClientSampleId :
F5B28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	110673		
226	29.8	24.0	36.0	
229	21.6	16.9	25.3	

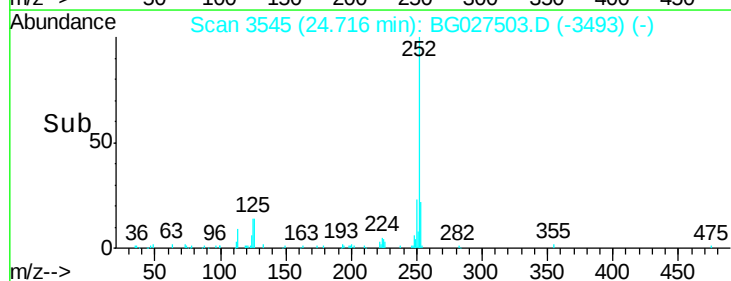
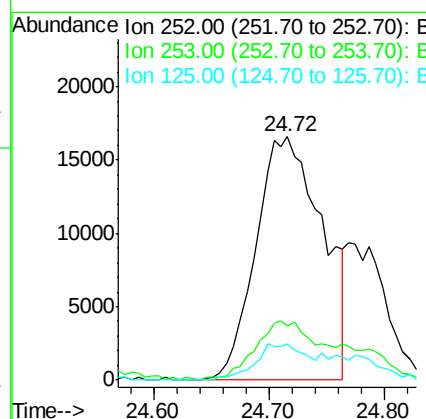
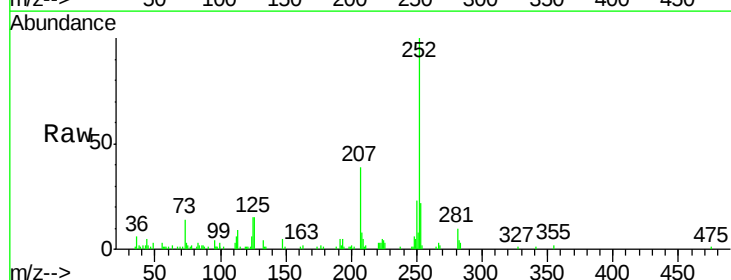
Manual Integrations
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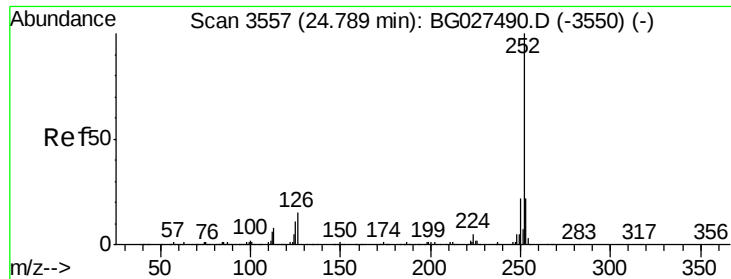
mohammad
6/19/2017 9:13:15 AM



#85
Benzo(b)fluoranthene
Concen: 2.976 ng/ul
RT: 24.72 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66538		
253	22.4	17.7	26.5	
125	14.9	4.0	6.0	





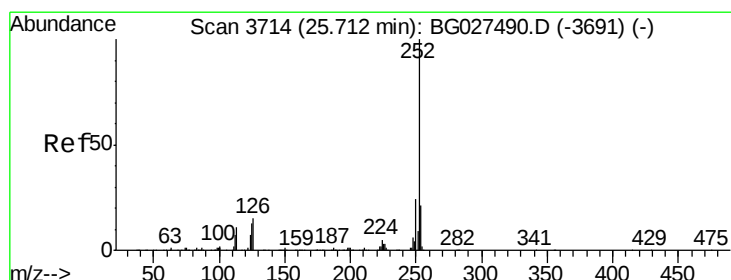
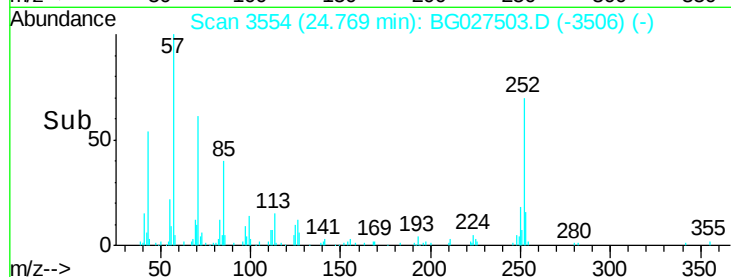
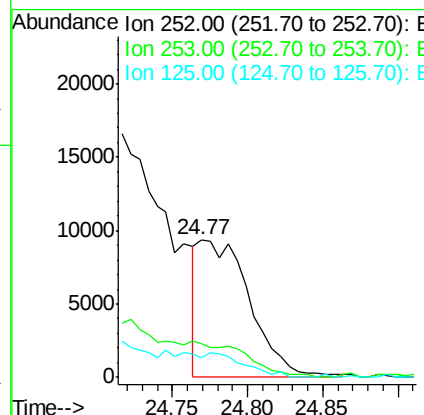
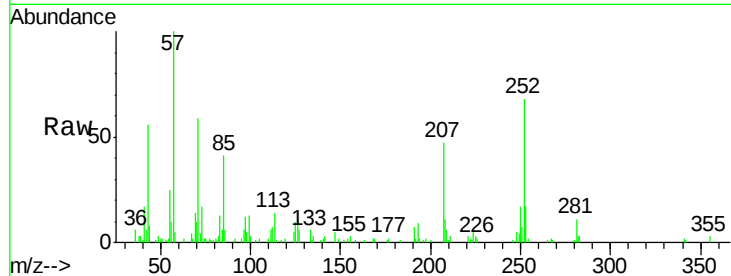
#86
Benzo(k)fluoranthene
Concen: 1.033 ng/ul m
RT: 24.77 min Scan# 3554
Delta R.T. -0.02 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
BNA_G
ClientSampleId :
F5B28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	22193		
253	24.8	18.5	27.7	
125	14.1	4.1	6.1	

Manual Integrations
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mohammad
6/19/2017 9:13:15 AM



#88
Benzo(a)pyrene
Concen: 1.820 ng/ul
RT: 25.70 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	39076		
253	23.0	17.8	26.6	
125	15.2	5.4	8.0	

