

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
 Data File : BG027543.D
 Acq On : 20 Jun 2017 00:16
 Operator : SJ/MA
 Sample : I3625-14 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5C81

Manual Integrations
 APPROVED

mohammad
 6/20/2017 11:51:15 AM

Quant Time: Jun 20 03:12:09 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	37661	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	189371	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	121547	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	260568m	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	305644m	20.00	ng/ul	0.00
83) Perylene-d12	25.88	264	265487	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	3446	0.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2745	0.99	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	2512	0.93	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	3042	0.95	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	1920	1.40	ng/ul	0.00
22) 2-Nitrophenol-d4	10.41	143	1537	1.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2799	1.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	8732m	2.50	ng/ul	0.05
43) Dimethylphthalate-d6	14.49	166	11686	1.15	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	12800	1.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	2010	1.01	ng/ul	0.00
57) Fluorene-d10	16.09	176	10718	1.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.96	188	14676	1.21	ng/ul	0.00
76) Pyrene-d10	20.22	212	17864m	1.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.62	264	14342	1.20	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.68	94	8610	2.01	ng/ul	92
11) 2-Methylphenol	8.94	108	5939	1.92	ng/ul	99
16) 4-Methylphenol	9.26	108	18156	5.34	ng/ul	96
24) 2,4-Dimethylphenol	10.48	107	25879	6.77	ng/ul#	87
28) Naphthalene	11.41	128	5341549	548.88	ng/ul#	79
34) 2-Methylnaphthalene	12.96	142	1439339	199.45	ng/ul	93
40) 1,1'-Biphenyl	13.94	154	392309	40.80	ng/ul#	97
47) Acenaphthylene	14.83	152	75436	6.42	ng/ul#	95
49) Acenaphthene	15.18	153	1228508	149.95	ng/ul	98
53) Dibenzofuran	15.51	168	1378184	115.42	ng/ul	99
58) Fluorene	16.15	166	1409222	142.21	ng/ul	99
69) Phenanthrene	17.91	178	4516041m	322.52	ng/ul	
71) Anthracene	18.00	178	1133526	79.61	ng/ul	99
72) Carbazole	18.26	167	597902	48.83	ng/ul	98
74) Fluoranthene	19.90	202	3094252m	196.40	ng/ul	
77) Pyrene	20.26	202	2263461m	125.28	ng/ul	
80) Benzo(a)anthracene	22.21	228	795752m	46.75	ng/ul	
82) Chrysene	22.29	228	582277	37.88	ng/ul	97
85) Benzo(b)fluoranthene	24.72	252	373911	23.65	ng/ul#	97
86) Benzo(k)fluoranthene	24.78	252	141262	9.29	ng/ul#	94
88) Benzo(a)pyrene	25.71	252	231370	15.24	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.08	276	65586	3.78	ng/ul#	94
90) Dibenzo(a,h)anthracene	30.12	278	20543m	1.38	ng/ul	

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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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	31.40	276	38027m	2.68	ng/ul	

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

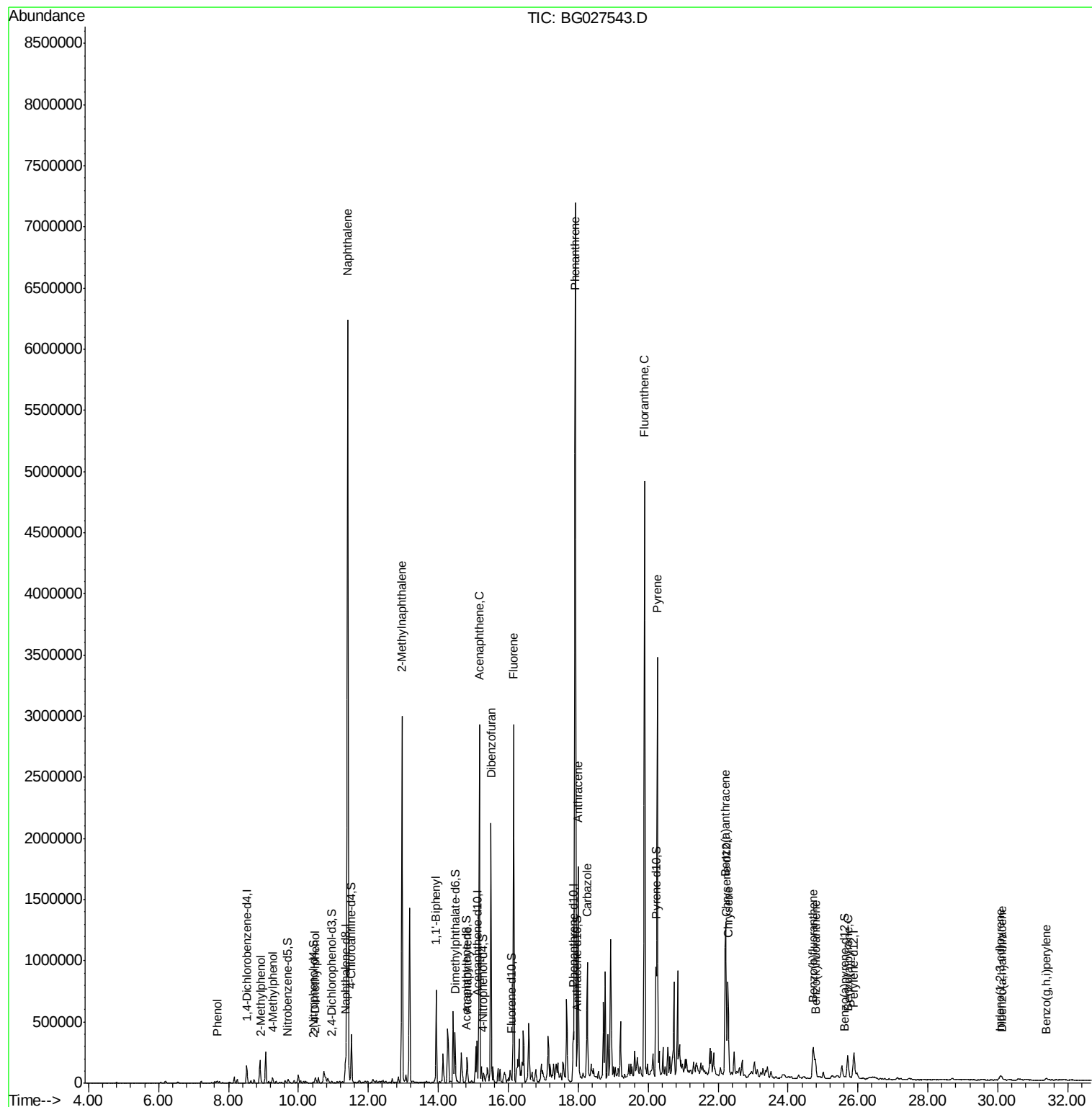
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
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Operator : SJ/MA
Sample : I3625-14 25X
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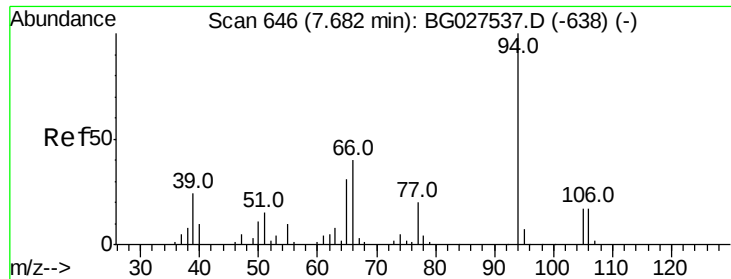
Instrument :
BNA_G
ClientSampled :
F5C81

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG061617.M
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QLast Update : Tue Jun 20 01:50:01 2017
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#6

Phenol

Concen: 2.01 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.00 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Instrument :

BNA_G

ClientSampleId :

F5C81

Tot Ion: 94 Resp: 8610

Ion Ratio Lower Upper

94 100

65 34.1 26.8 40.2

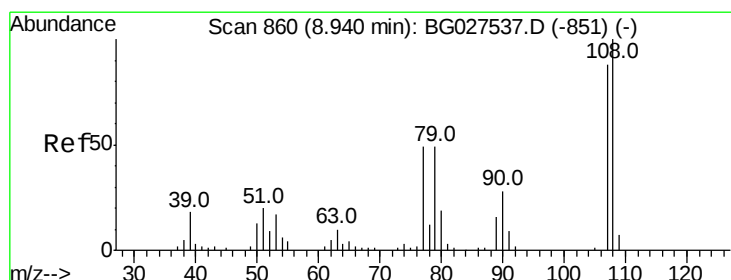
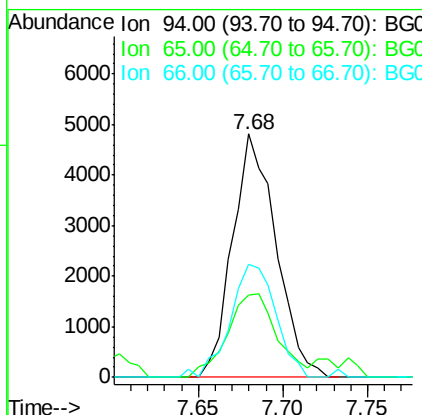
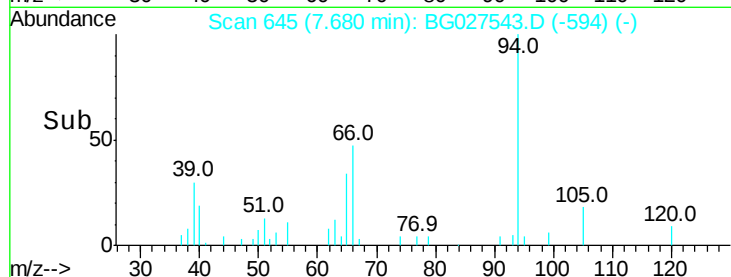
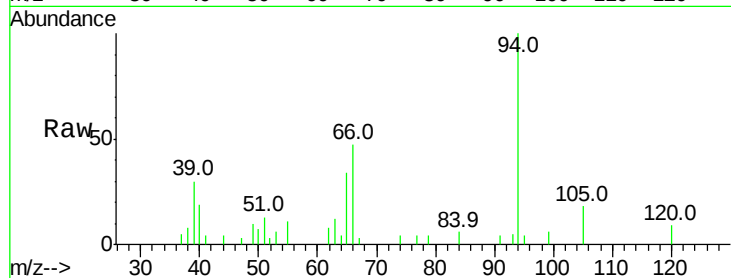
66 46.6 44.4 66.6

Manual Integrations

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#11

2-Methylphenol

Concen: 1.92 ng/ul

RT: 8.94 min Scan# 859

Delta R.T. -0.00 min

Lab File: BG027543.D

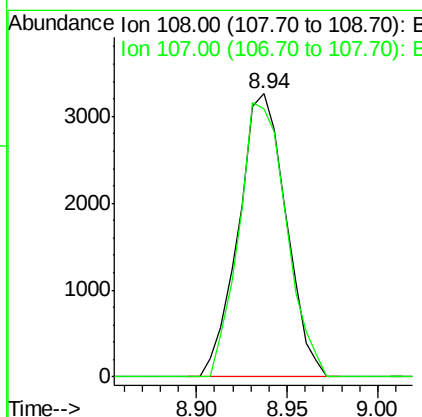
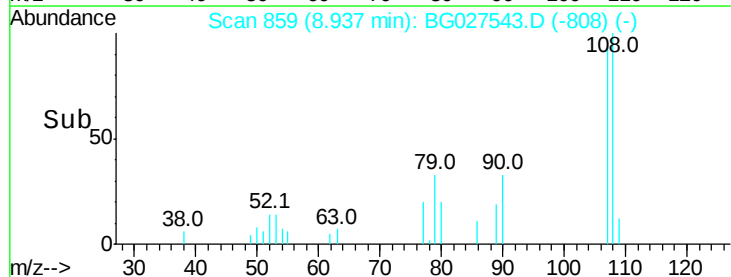
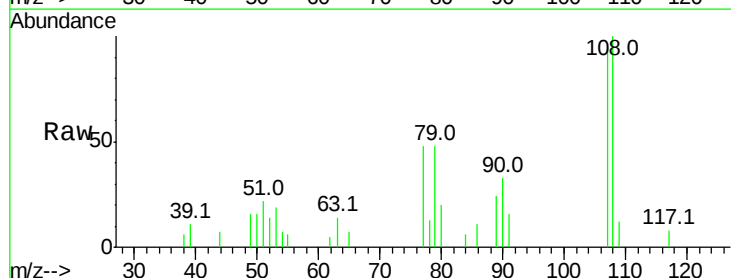
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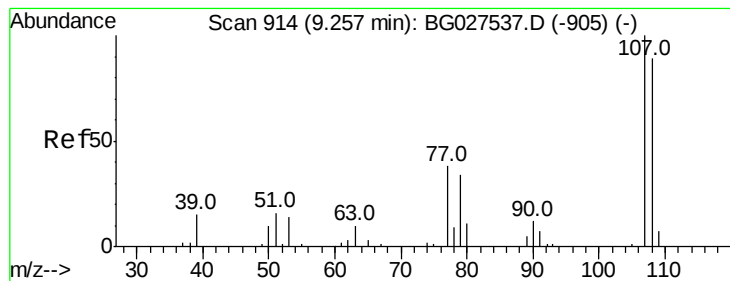
Tgt Ion: 108 Resp: 5939

Ion Ratio Lower Upper

108 100

107 94.5 76.7 115.1





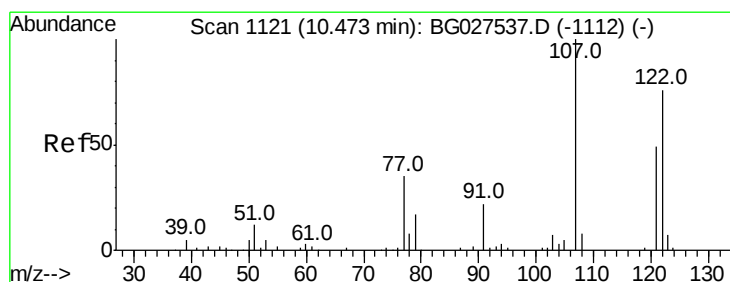
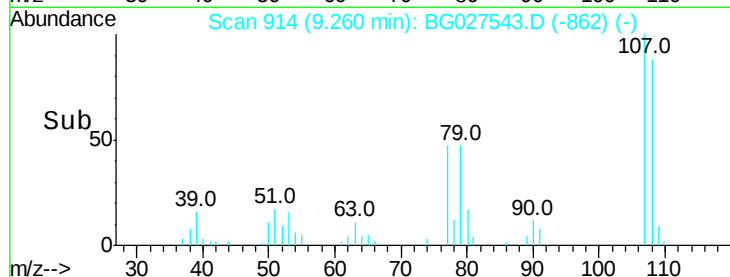
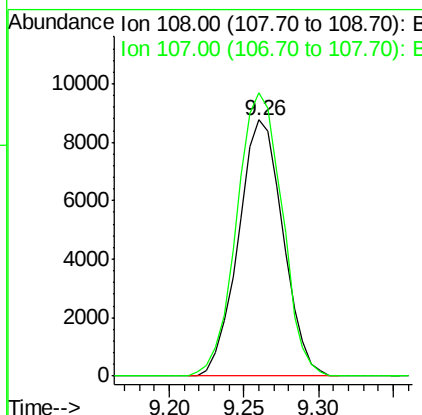
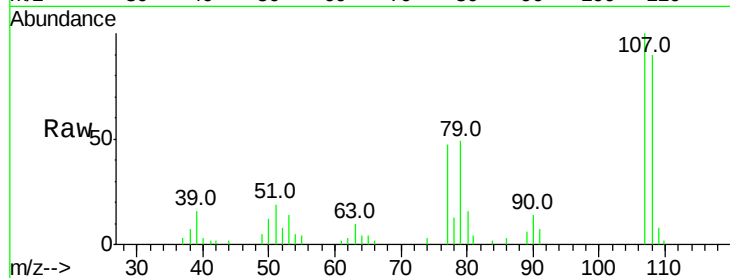
#16
4-Methylphenol
Concen: 5.34 ng/ul
RT: 9.26 min Scan# 914
Delta R.T. 0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Instrument :
BNA_G
ClientSampled :
F5C81

Tot Ion:108 Resp: 18156
Ion Ratio Lower Upper
108 100
107 110.5 91.7 137.5

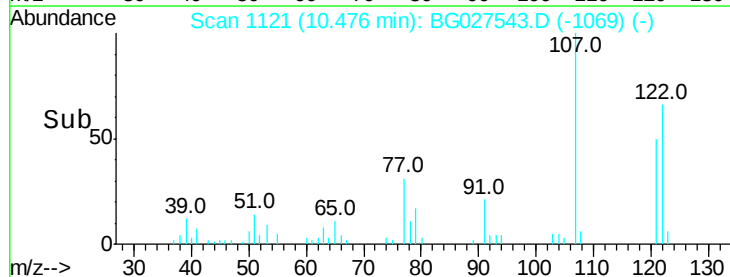
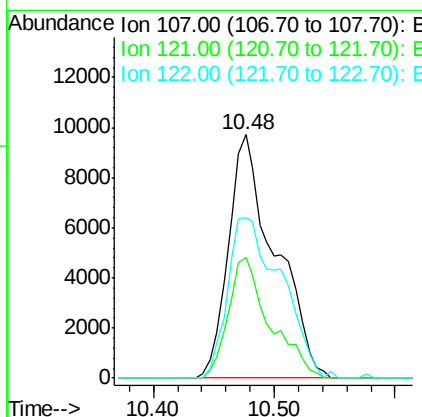
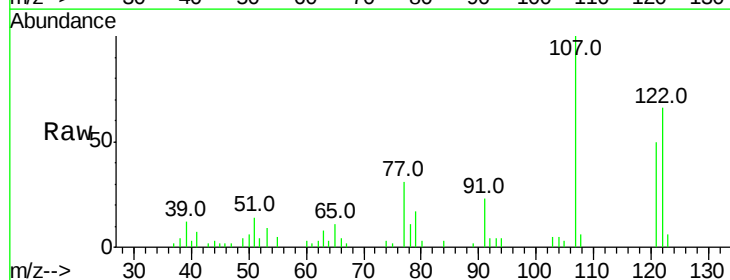
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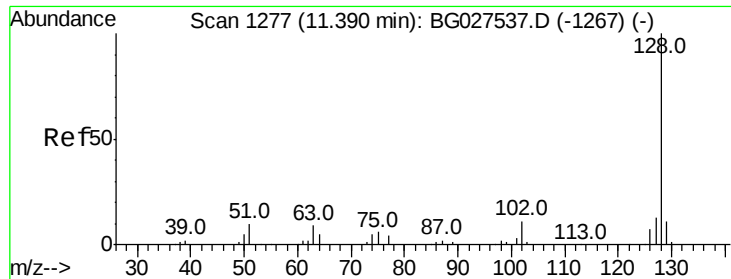
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#24
2,4-Dimethylphenol
Concen: 6.77 ng/ul
RT: 10.48 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Tgt Ion:107 Resp: 25879
Ion Ratio Lower Upper
107 100
121 49.5 32.3 48.5#
122 65.8 61.2 91.8





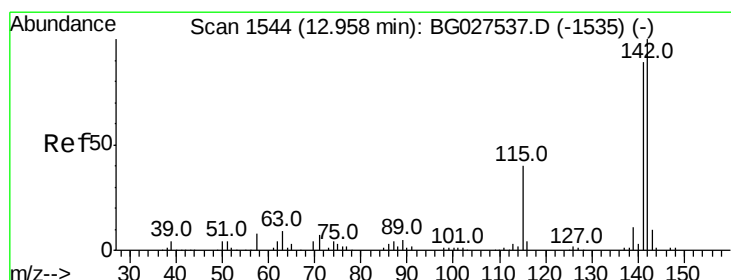
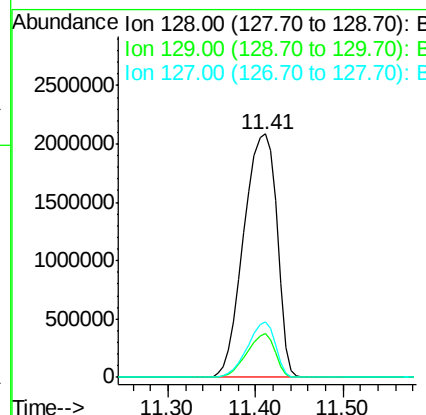
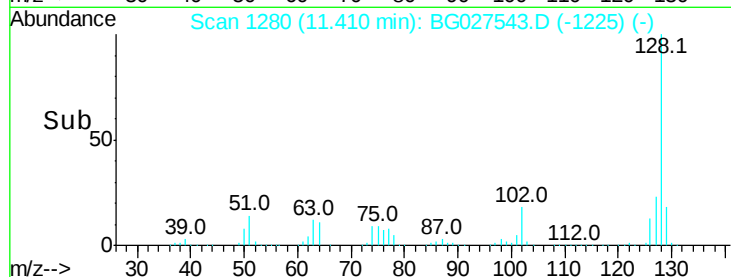
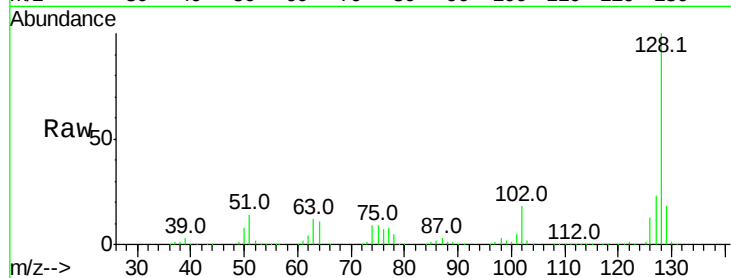
#28
Naphthalene
Concen: 548.88 ng/ul
RT: 11.41 min Scan# 1280
Delta R.T. 0.02 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Instrument :
BNA_G
ClientSampleId :
F5C81

Tot Ion:128 Resp: 5341549
Ion Ratio Lower Upper
128 100
129 17.9 9.4 14.2#
127 22.8 10.3 15.5#

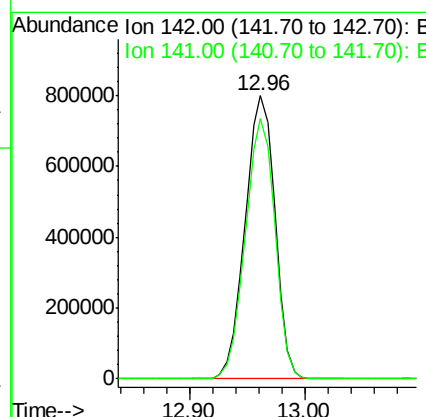
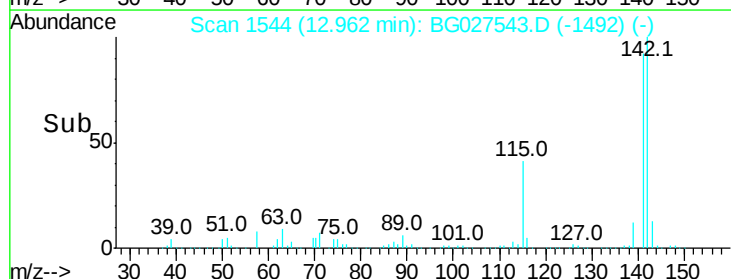
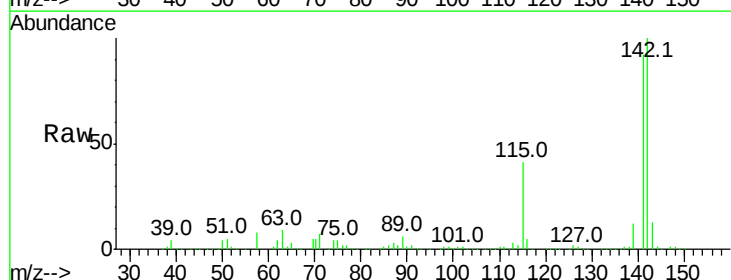
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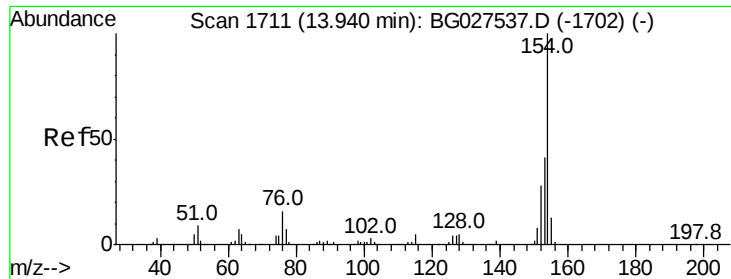
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#34
2-Methylnaphthalene
Concen: 199.45 ng/ul
RT: 12.96 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Tgt Ion:142 Resp: 1439339
Ion Ratio Lower Upper
142 100
141 92.0 68.6 102.8





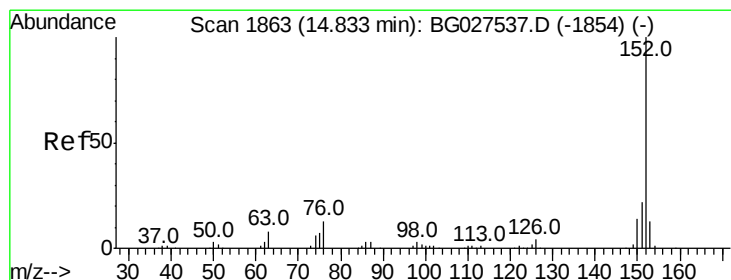
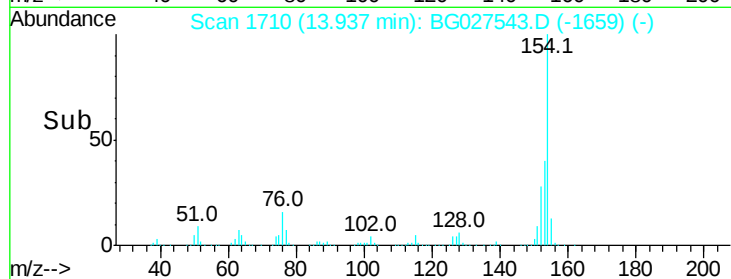
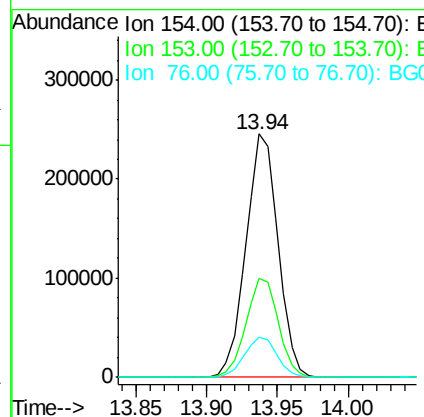
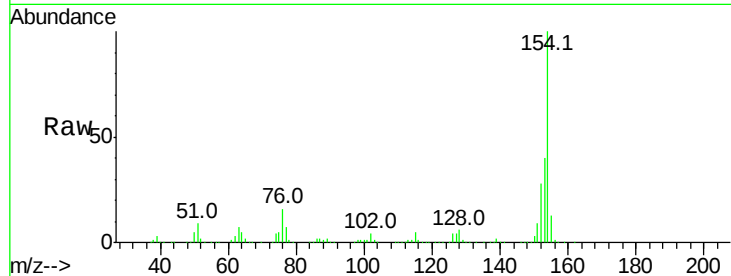
#40
 1,1'-Biphenyl
 Concen: 40.80 ng/ul
 RT: 13.94 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Instrument :
 BNA_G
 ClientSampleId :
 F5C81

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.4	32.2	48.2	
76	16.5	9.6	14.4	

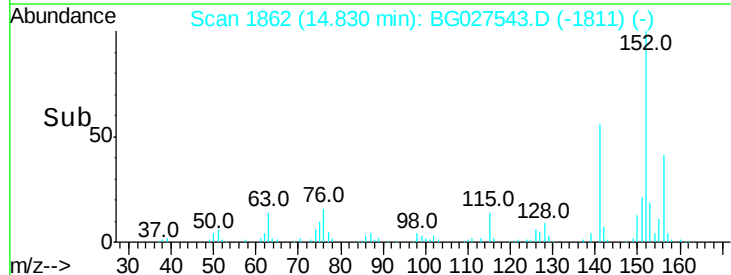
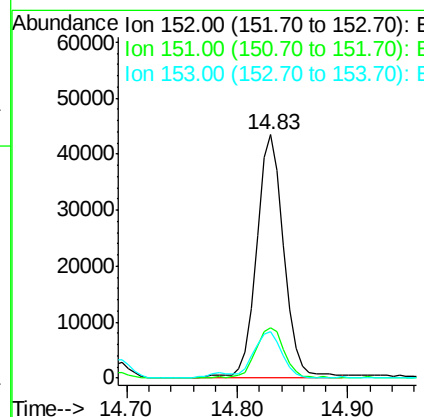
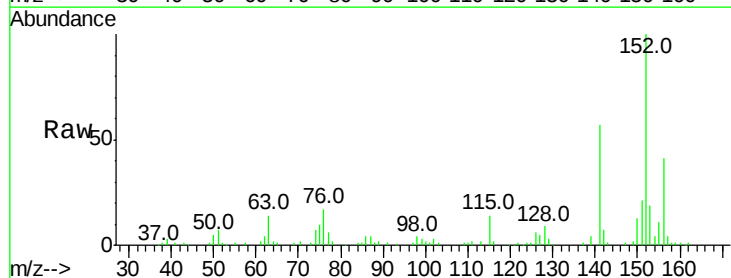
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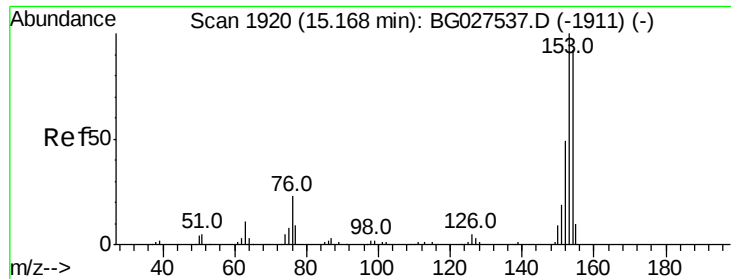
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#47
 Acenaphthylene
 Concen: 6.42 ng/ul
 RT: 14.83 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.6	16.7	25.1	
153	19.1	11.4	17.2	





#49

Acenaphthene

Concen: 149.95 ng/ul

RT: 15.18 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Instrument :

BNA_G

ClientSampleId :

F5C81

Tot Ion:153 Resp: 1228508

Ion Ratio Lower Upper

153 100

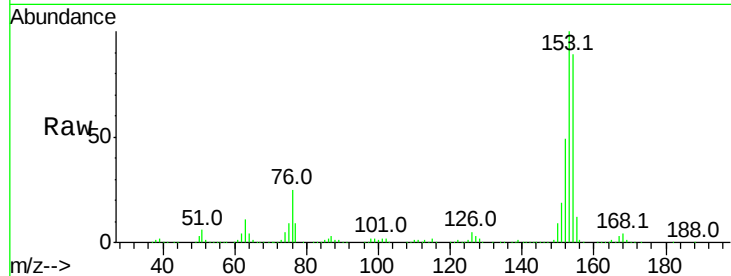
152 49.0 36.5 54.7

154 89.4 72.3 108.5

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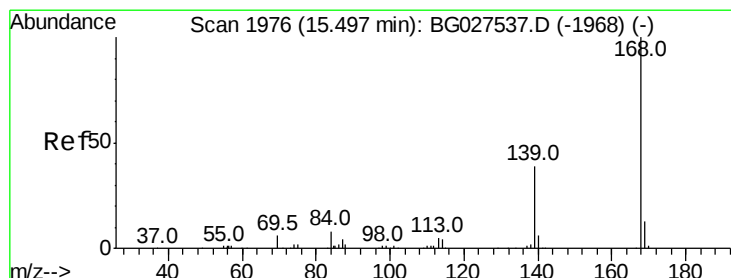
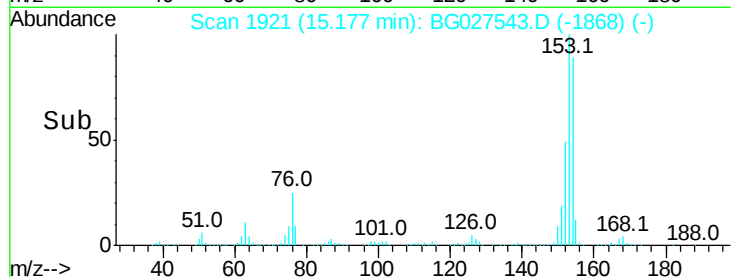
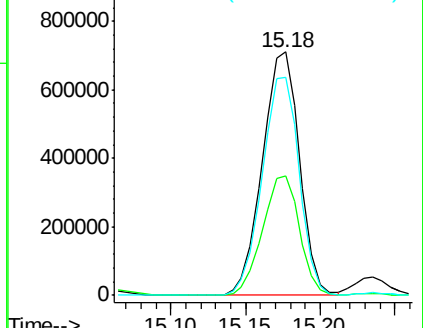
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 115.42 ng/ul

RT: 15.51 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG027543.D

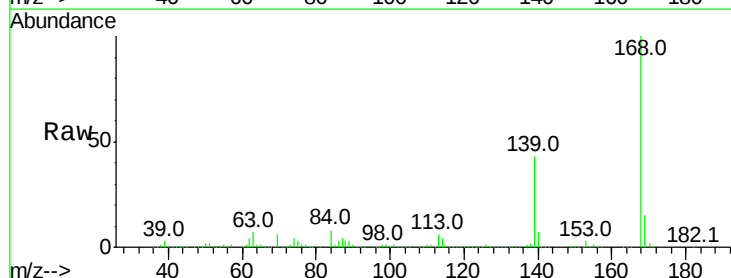
Acq: 20 Jun 2017 00:16

Tgt Ion:168 Resp: 1378184

Ion Ratio Lower Upper

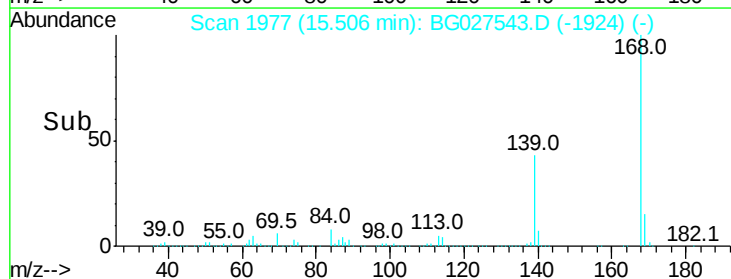
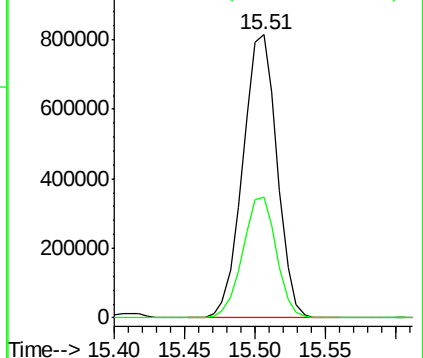
168 100

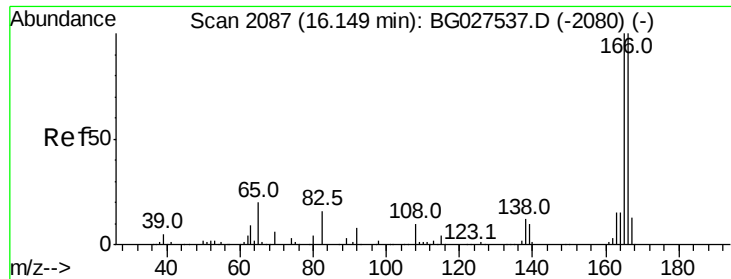
139 42.9 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





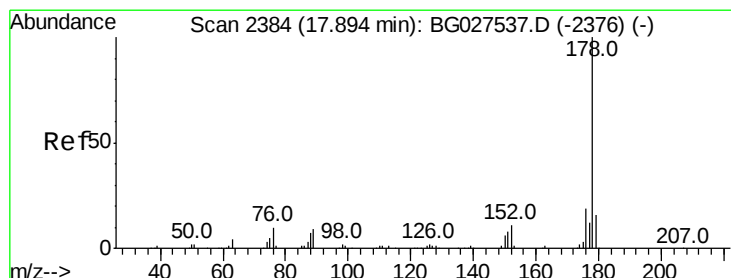
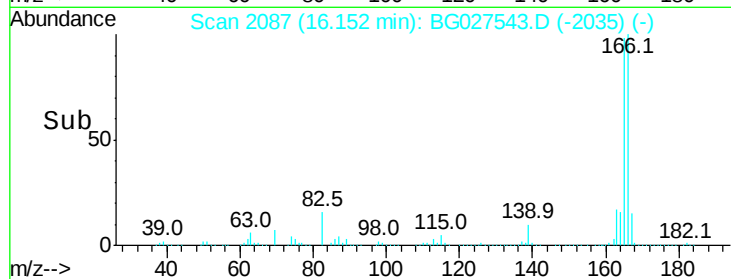
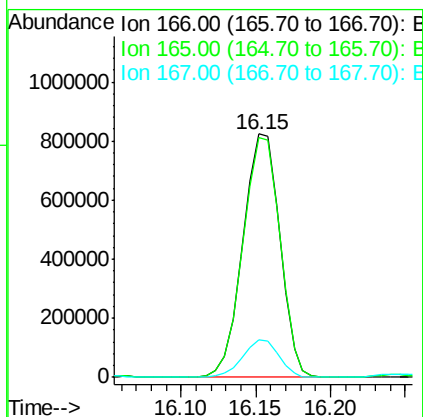
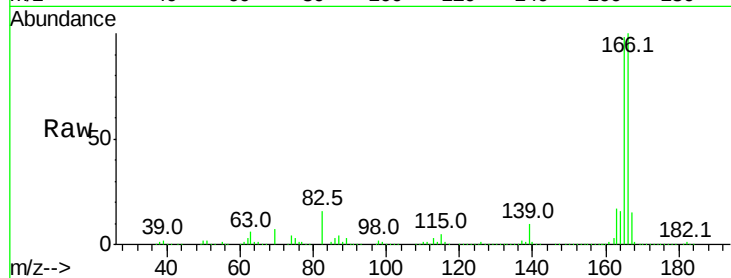
#58
Fluorene
 Concen: 142.21 ng/ul
 RT: 16.15 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Instrument :
 BNA_G
 ClientSampled :
 F5C81

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.7	119.5
167	15.2	11.4	17.2

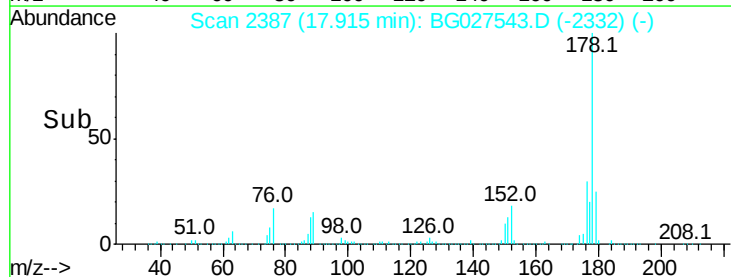
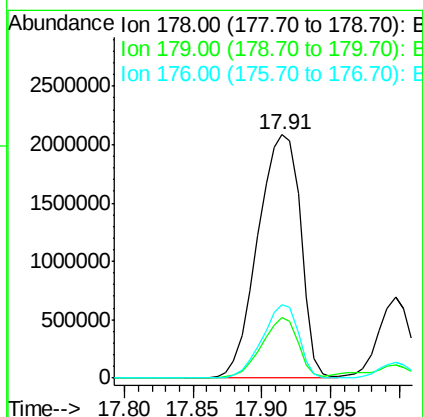
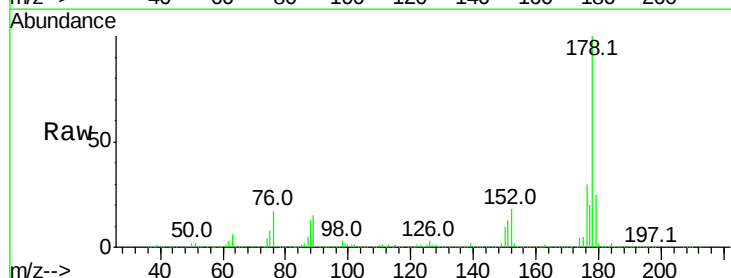
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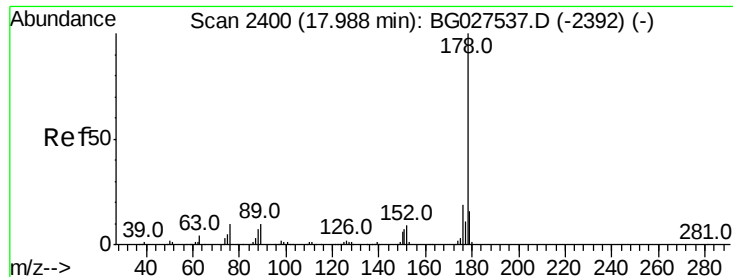
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#69
Phenanthrene
 Concen: 322.52 ng/ul m
 RT: 17.91 min Scan# 2387
 Delta R.T. 0.02 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.7	12.4	18.6#
176	30.4	16.5	24.7#





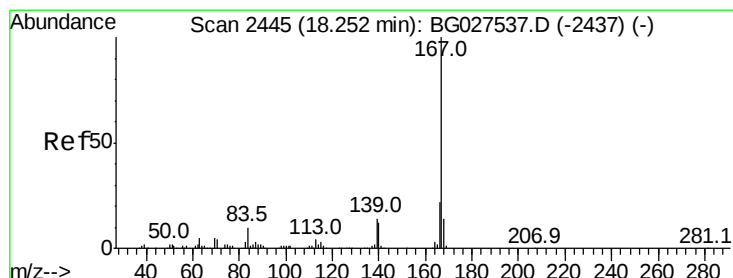
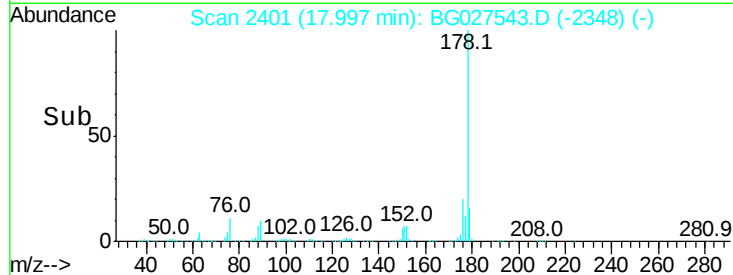
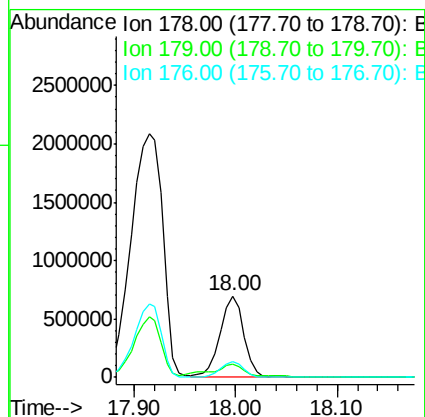
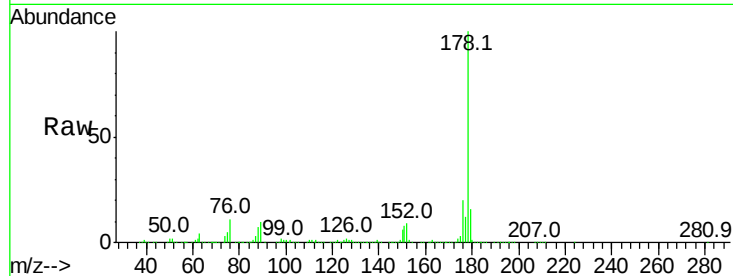
#71
 Anthracene
 Concen: 79.61 ng/ul
 RT: 18.00 min Scan# 2401
 Delta R.T. 0.01 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Instrument :
 BNA_G
 ClientSampleId :
 F5C81

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.6	19.0
176	19.9	15.9	23.9

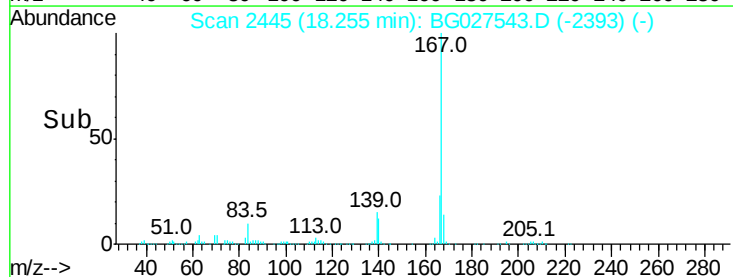
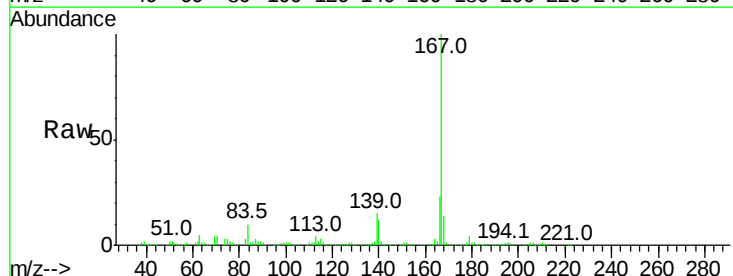
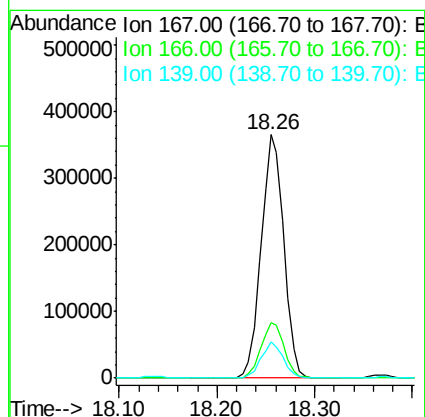
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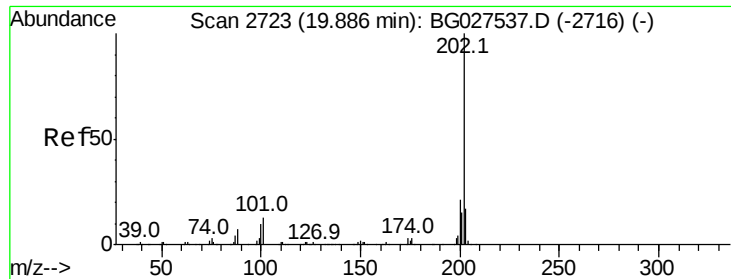
mohammad
 6/20/2017 11:51:15 AM



#72
 Carbazole
 Concen: 48.83 ng/ul
 RT: 18.26 min Scan# 2445
 Delta R.T. 0.00 min
 Lab File: BG027543.D
 Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.9	26.9
139	14.7	10.5	15.7





#74

Fluoranthene

Concen: 196.40 ng/ul m

RT: 19.90 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Instrument :

BNA_G

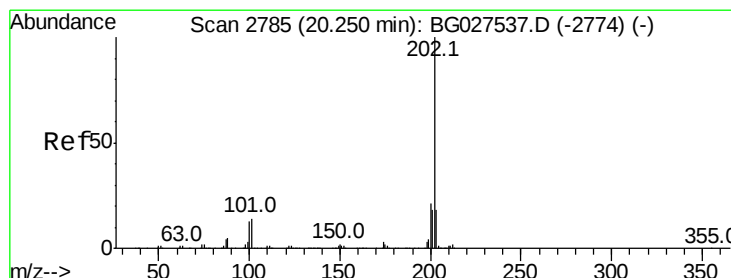
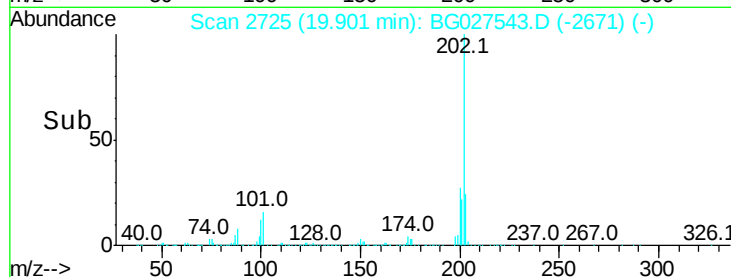
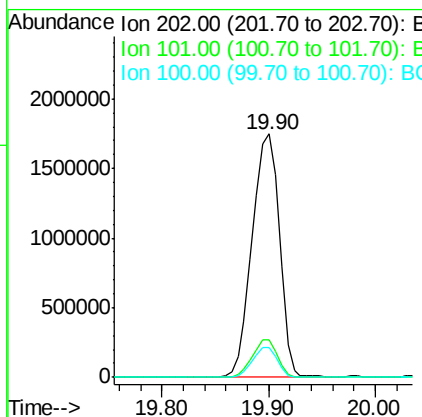
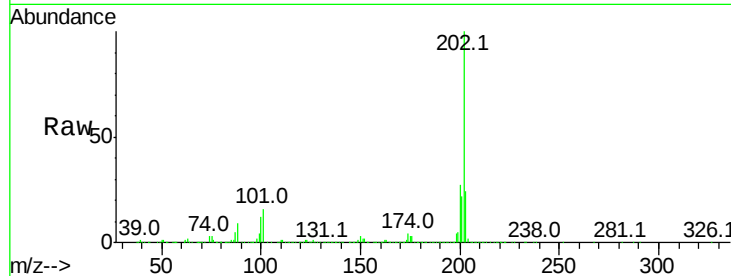
ClientSampleId :

F5C81

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.5	6.2	9.2#
100	12.1	5.2	7.8#

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#77

Pyrene

Concen: 125.28 ng/ul m

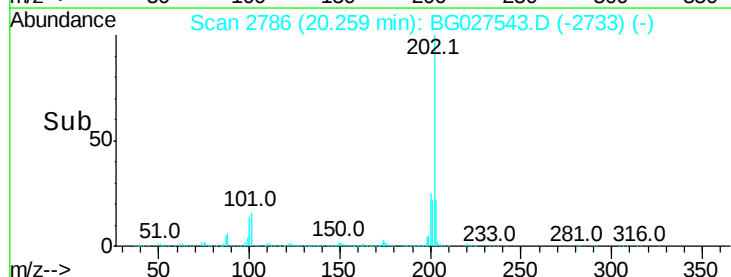
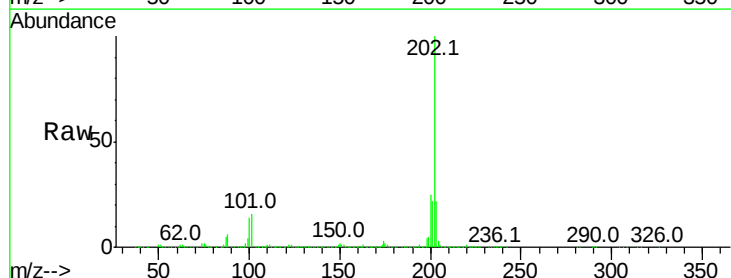
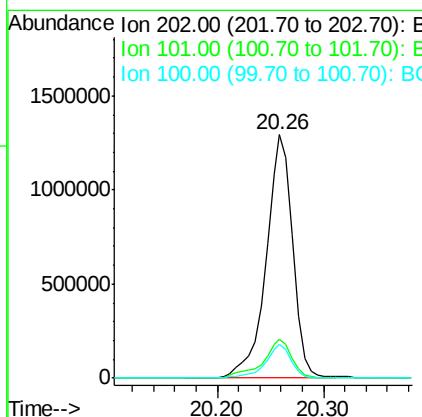
RT: 20.26 min Scan# 2786

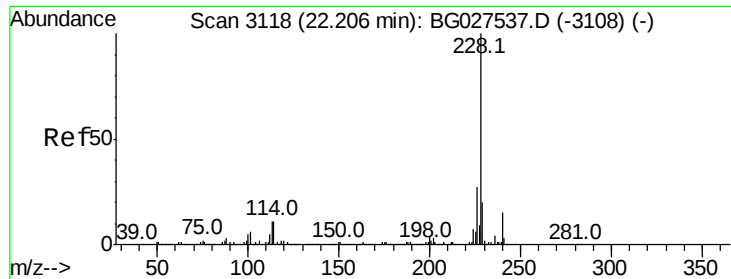
Delta R.T. 0.01 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	6.9	10.3#
100	13.9	6.6	10.0#





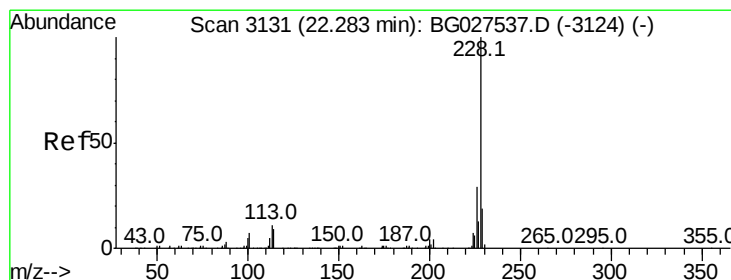
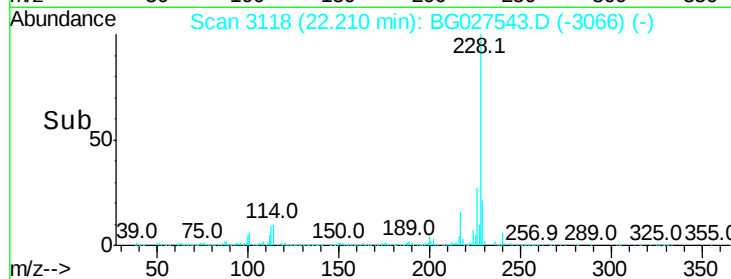
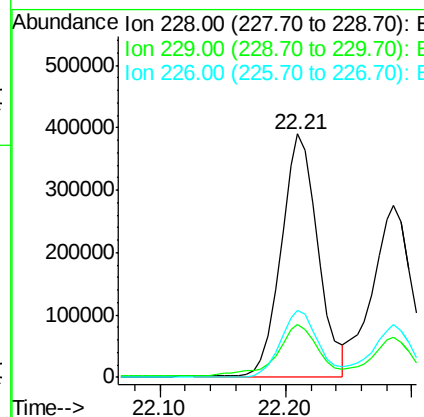
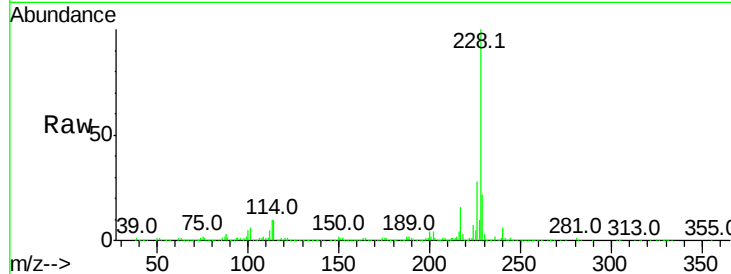
#80
Benzo(a)anthracene
Concen: 46.75 ng/ul m
RT: 22.21 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Instrument :
BNA_G
ClientSampleId :
F5C81

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.0	16.3	24.5
226	27.7	21.9	32.9

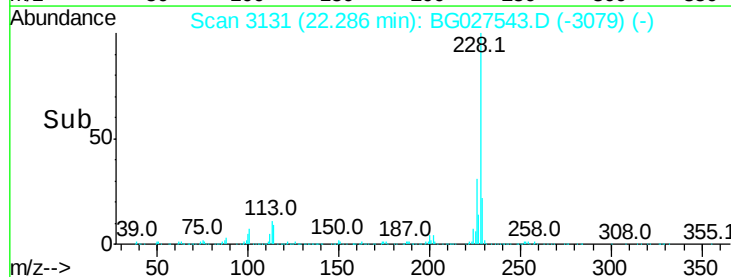
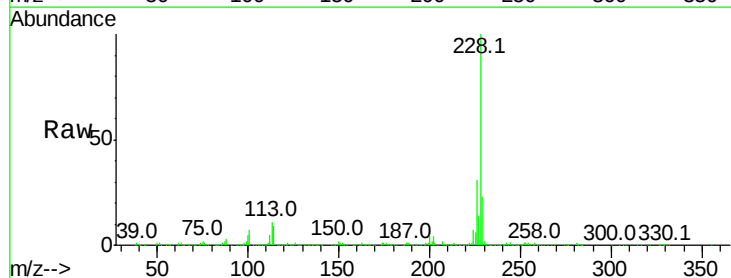
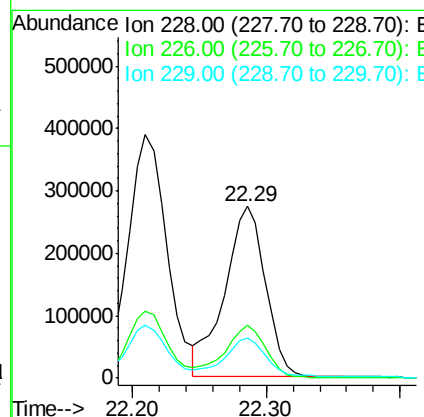
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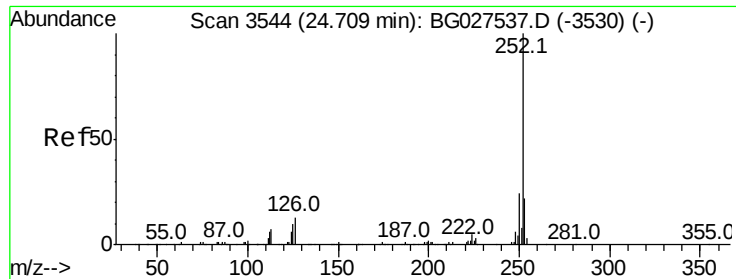
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#82
Chrysene
Concen: 37.88 ng/ul
RT: 22.29 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	23.1	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 23.65 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Instrument :

BNA_G

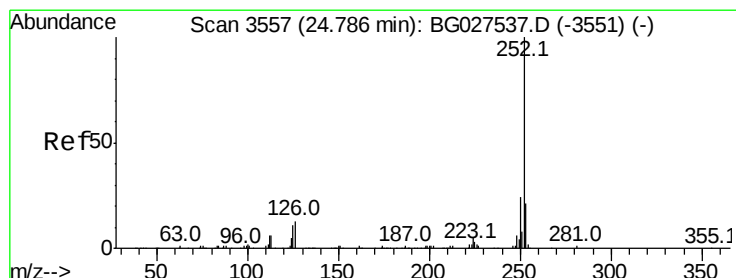
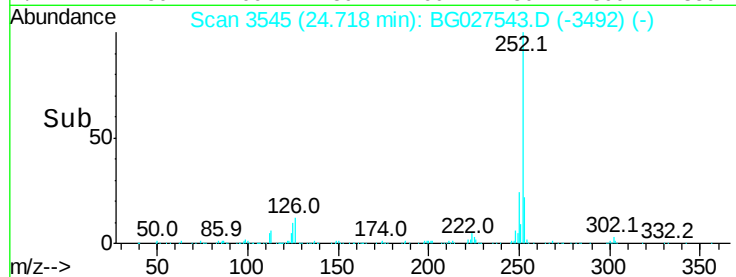
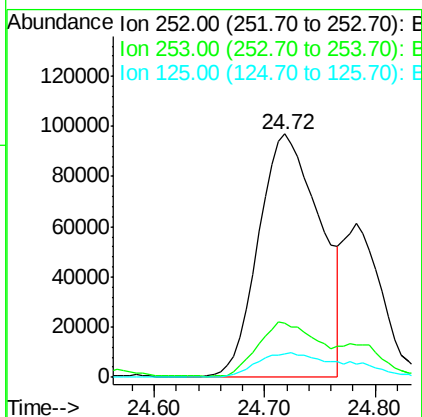
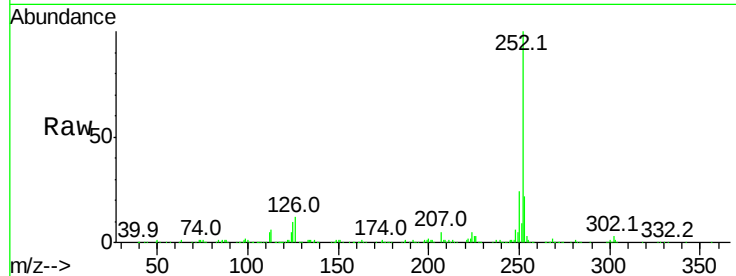
ClientSampleId :

F5C81

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.8	4.0	6.0#

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#86

Benzo(k)fluoranthene

Concen: 9.29 ng/ul

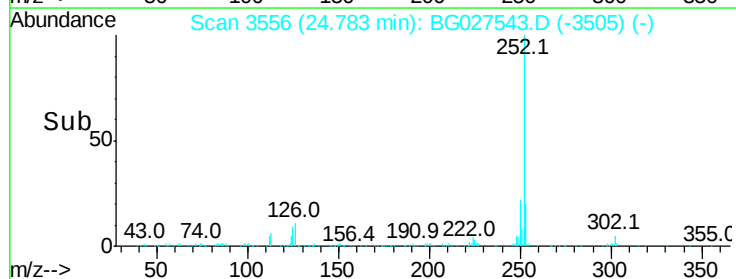
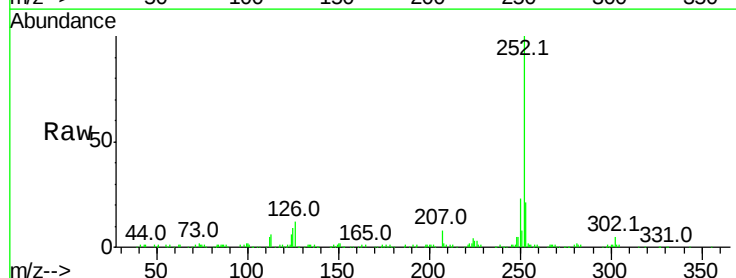
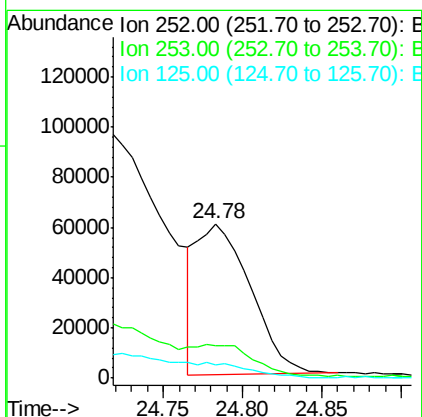
RT: 24.78 min Scan# 3556

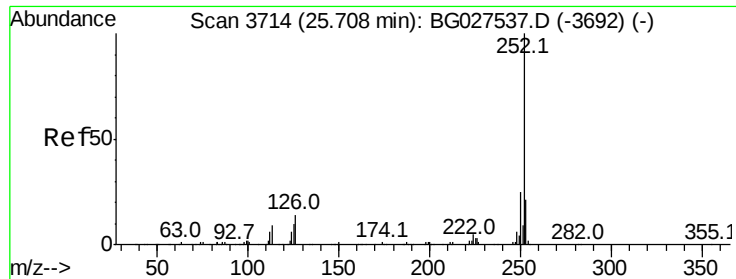
Delta R.T. -0.00 min

Lab File: BG027543.D

Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.5	27.7
125	8.9	4.1	6.1#





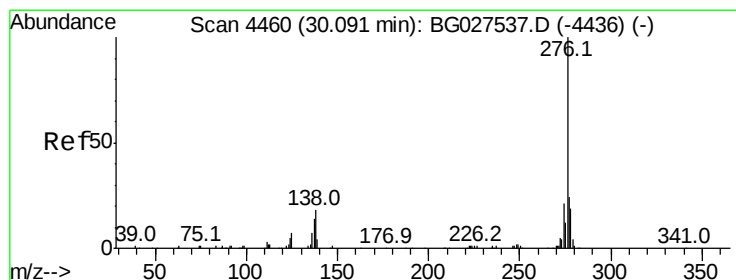
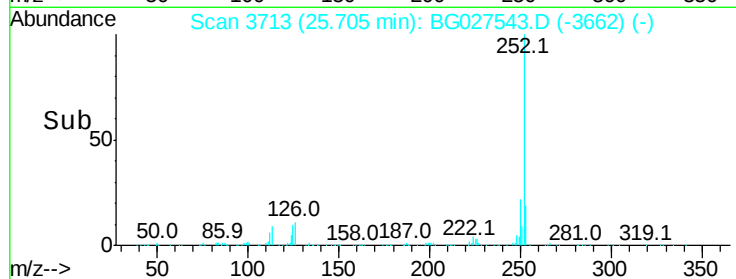
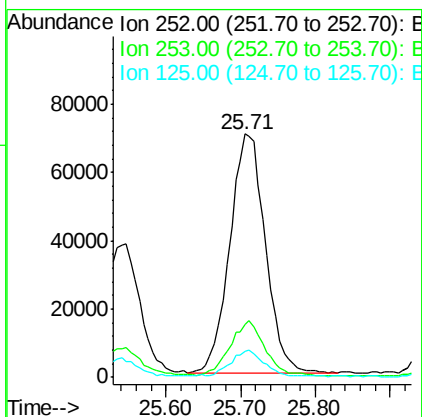
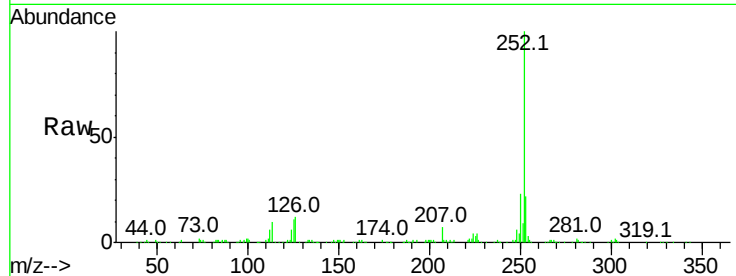
#88
Benzo(a)pyrene
Concen: 15.24 ng/ul
RT: 25.71 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Instrument :
BNA_G
ClientSampleId :
F5C81

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	5.4	8.0#

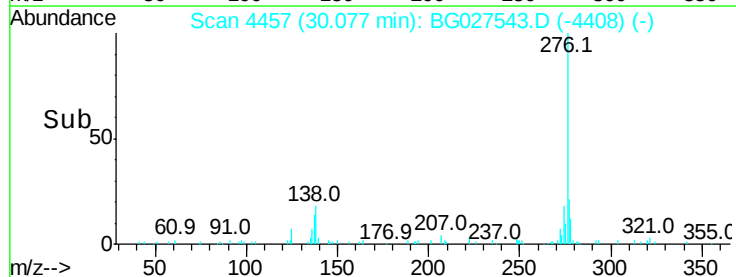
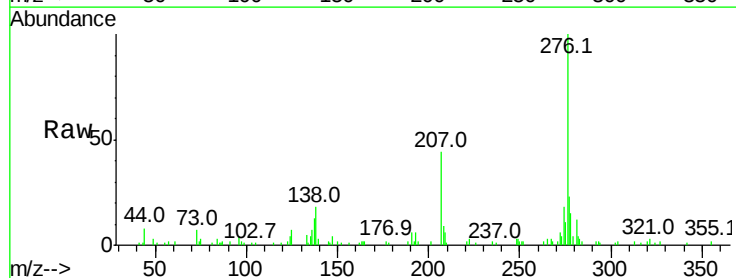
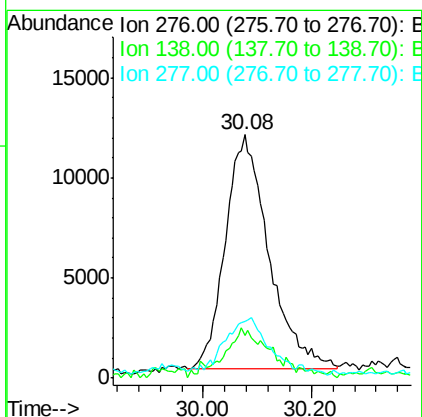
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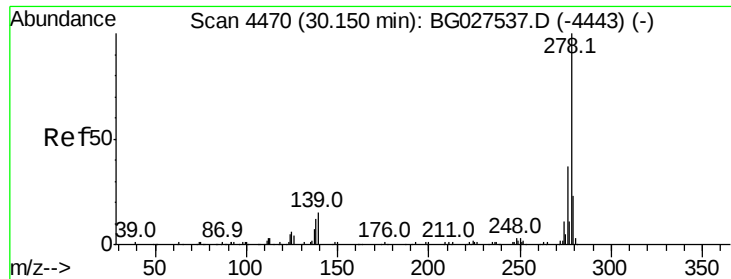
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.78 ng/ul
RT: 30.08 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.7	8.2	12.4#
277	23.2	18.6	28.0





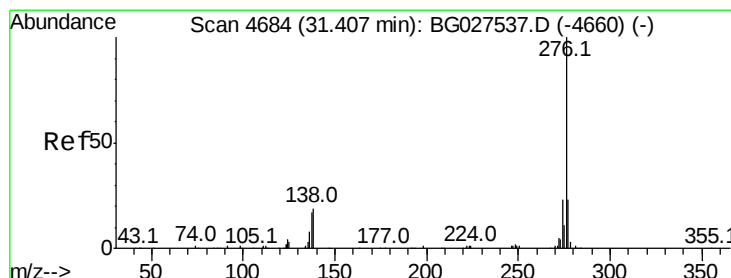
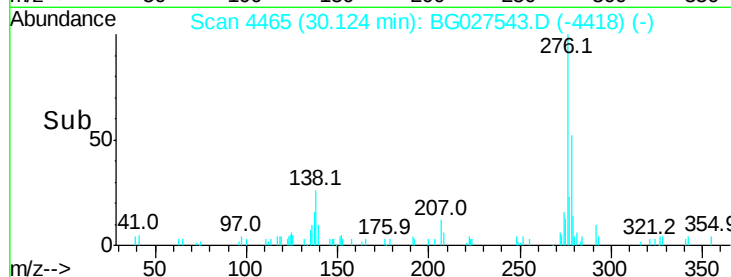
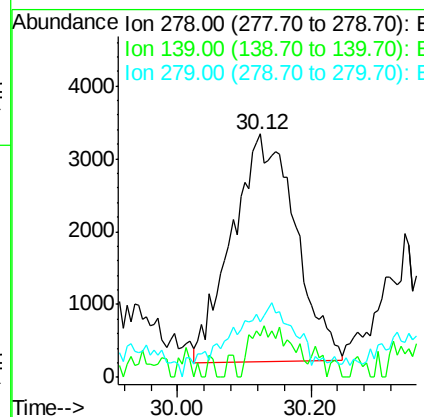
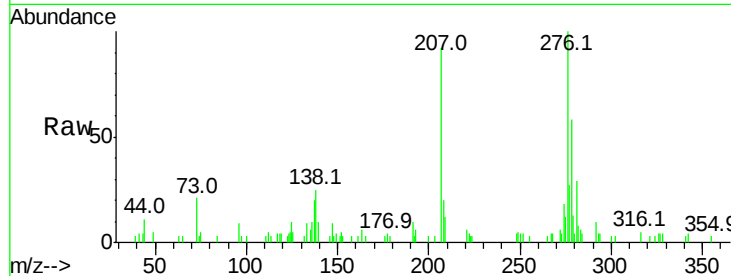
#90
Dibenzo(a,h)anthracene
Concen: 1.38 ng/ul m
RT: 30.12 min Scan# 4465
Delta R.T. -0.03 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Instrument :
BNA_G
ClientSampleId :
F5C81

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	6.7	10.1#
279	22.9	20.9	31.3

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#91
Benzo(g,h,i)perylene
Concen: 2.68 ng/ul m
RT: 31.40 min Scan# 4683
Delta R.T. -0.00 min
Lab File: BG027543.D
Acq: 20 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	8.6	12.8#
277	24.9	17.6	26.4

