

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020359.D
 Acq On : 21 Dec 2015 1:53
 Operator : UM/SJ
 Sample : G4848-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Manual Integrations
 APPROVED

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Quant Time: Dec 22 09:36:15 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 01:58:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21259	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	90451	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	62531	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	135252	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	173662	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	165076	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1277	3.32	ng/uL	0.00
5) Phenol-d5	7.26	99	35545	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	23134	20.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	28716	21.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	31674	19.76	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	16017	22.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	19027	24.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	33625	21.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	35376	19.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	110800	21.91	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	130365	22.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13835	15.25	ng/ul	0.00
58) Fluorene-d10	15.72	176	102090	22.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	12527	15.62	ng/ul	0.00
71) Anthracene-d10	17.58	188	148914	23.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	179457	22.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	203163	24.67	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.29	94	14277	7.11	ng/ul 95
11) 2-Methylphenol	8.54	108	13522	8.83	ng/ul 92
16) 4-Methylphenol	8.87	108	36258	21.39	ng/ul 87
24) 2,4-Dimethylphenol	10.08	107	30242m	15.83	ng/ul
28) Naphthalene	10.98	128	2581624	546.55	ng/ul# 86
34) 2-Methylnaphthalene	12.57	142	899692	249.36	ng/ul 98
41) 1,1'-Biphenyl	13.56	154	341462	72.38	ng/ul 97
45) Dimethylphthalate	14.17	163	54202	10.49	ng/ul 99
48) Acenaphthylene	14.45	152	89863	14.37	ng/ul# 94
50) Acenaphthene	14.81	153	1359315	323.15	ng/ul 94
54) Dibenzofuran	15.14	168	1355379	216.60	ng/ul 93
59) Fluorene	15.79	166	1311947	261.09	ng/ul# 98
70) Phenanthrene	17.54	178	3911085m	528.66	ng/ul
72) Anthracene	17.62	178	473058	63.04	ng/ul 97
75) Carbazole	17.88	167	325416	51.61	ng/ul 100
77) Fluoranthene	19.54	202	2687255m	310.80	ng/ul
80) Pyrene	19.89	202	2043593	194.43	ng/ul# 92
83) Benzo(a)anthracene	21.73	228	614117	60.61	ng/ul 97
85) Chrysene	21.80	228	496615	52.04	ng/ul 94
88) Benzo(b)fluoranthene	23.98	252	289232	29.11	ng/ul 97
89) Benzo(k)fluoranthene	24.04	252	93151m	9.77	ng/ul
91) Benzo(a)pyrene	24.87	252	155210	16.48	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	28.74	276	38820	3.46	ng/ul 97

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	28.79	278	13235m	1.42	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	30043	3.27	ng/ul	94

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

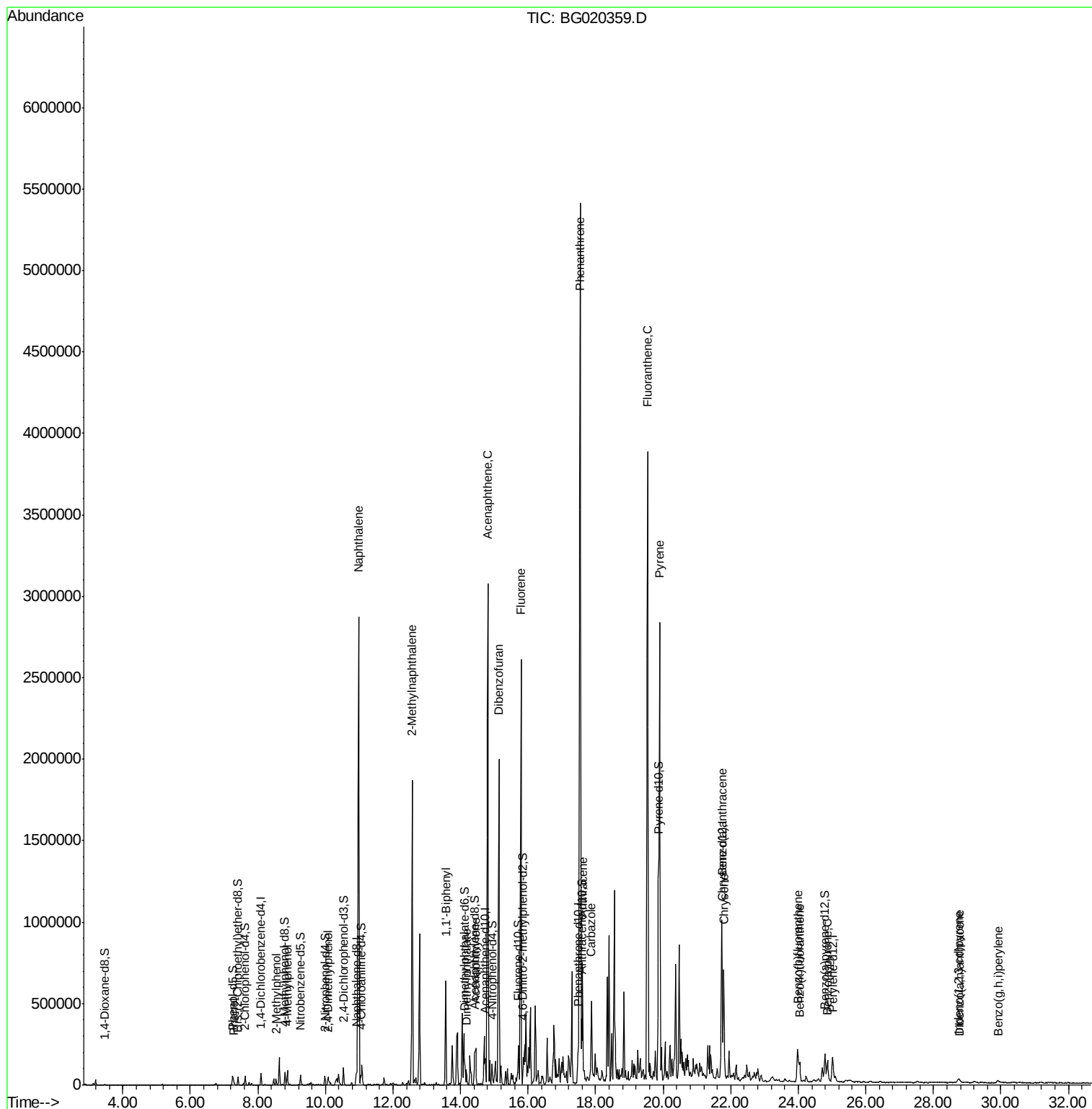
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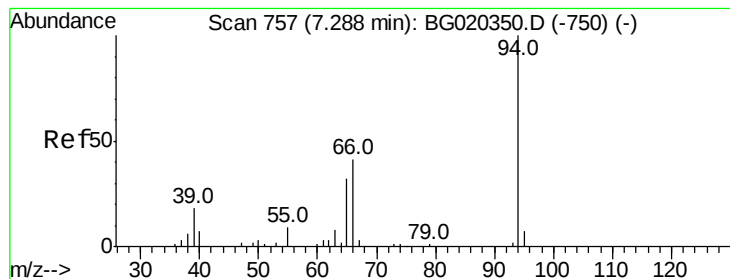
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 7.11 ng/ul

RT: 7.29 min Scan# 757

Delta R.T. -0.00 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

Instrument :

BNA_G

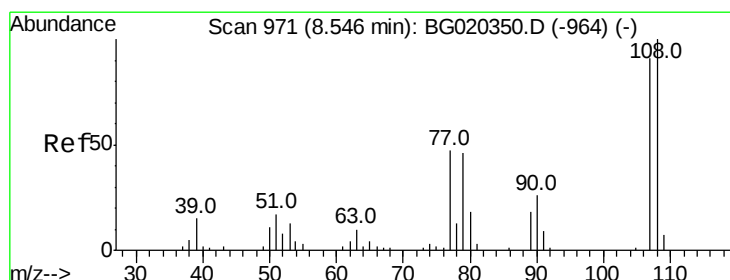
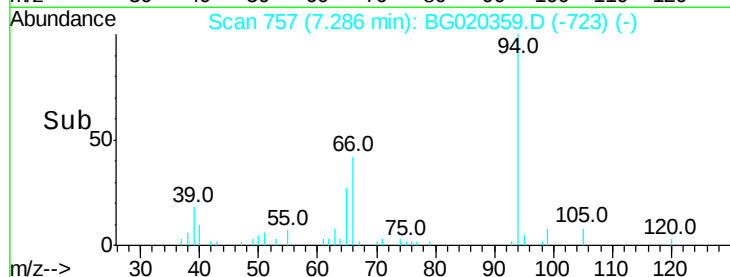
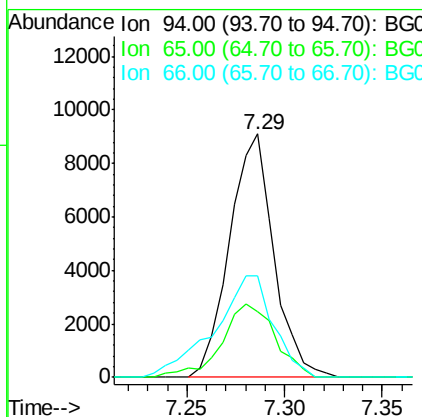
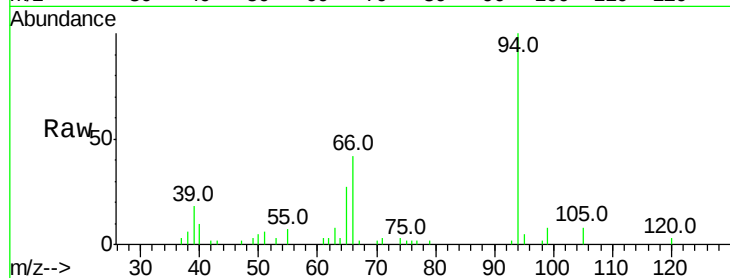
ClientSampleId :

D9N53

Tot Ion:	94	Resp:	14277
Ion Ratio	Lower	Upper	
94	100		
65	26.9	26.3	39.5
66	41.7	33.3	49.9

Manual Integrations
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#11

2-Methylphenol

Concen: 8.83 ng/ul

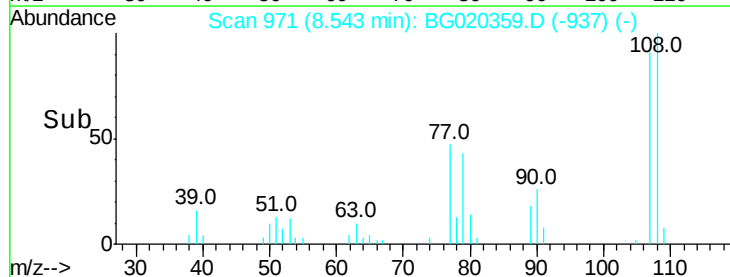
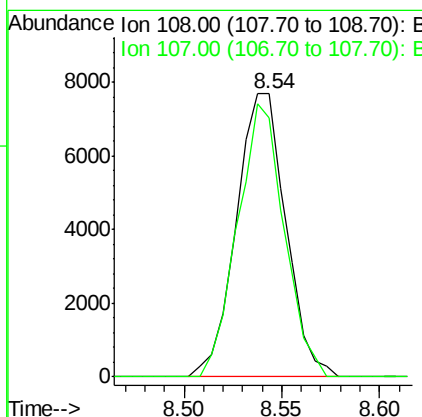
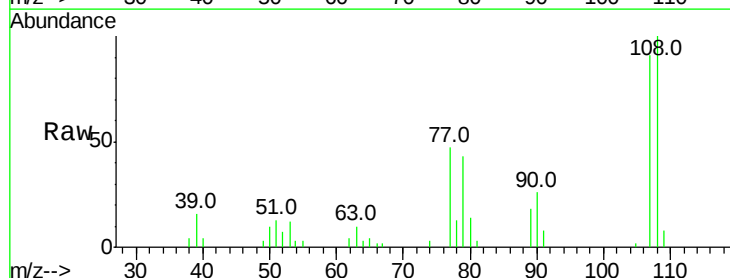
RT: 8.54 min Scan# 971

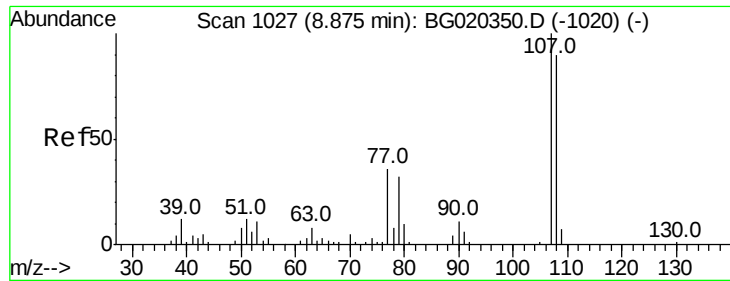
Delta R.T. -0.00 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

Tgt Ion:	108	Resp:	13522
Ion Ratio	Lower	Upper	
108	100		
107	91.5	67.5	101.3





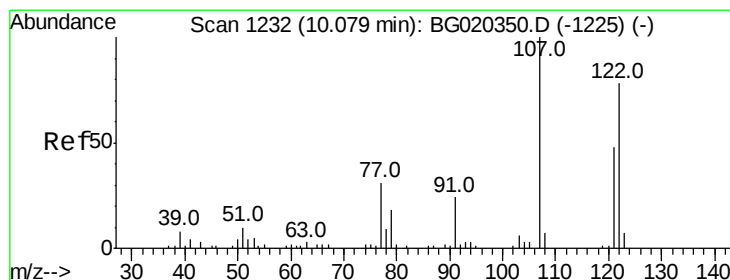
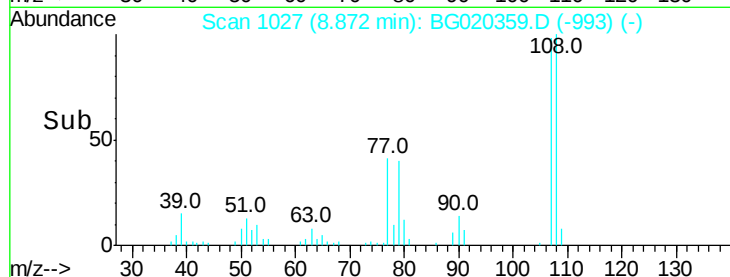
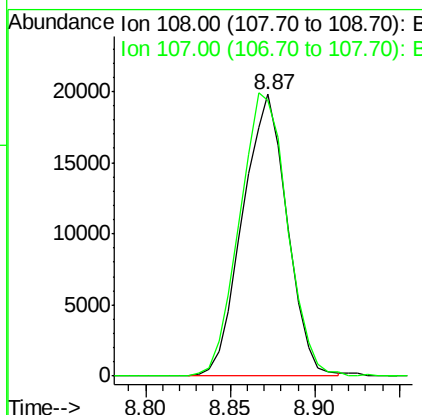
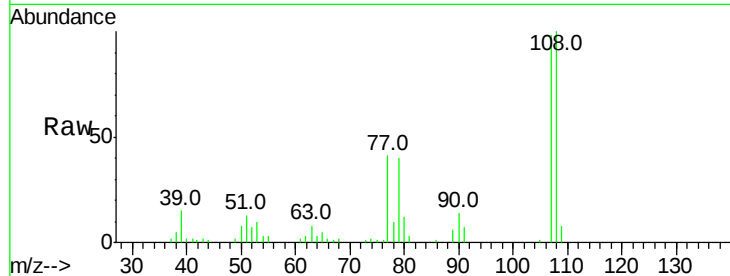
#16
4-Methylphenol
Concen: 21.39 ng/ul
RT: 8.87 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Instrument :
BNA_G
ClientSampleId :
D9N53

Tot Ion	Ratio	Resp	Lower	Upper
108	100	36258		
107	97.7	88.9	133.3	

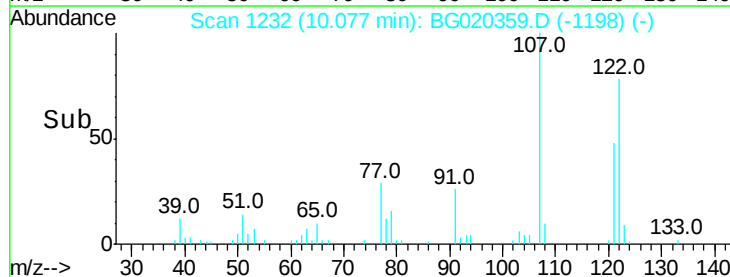
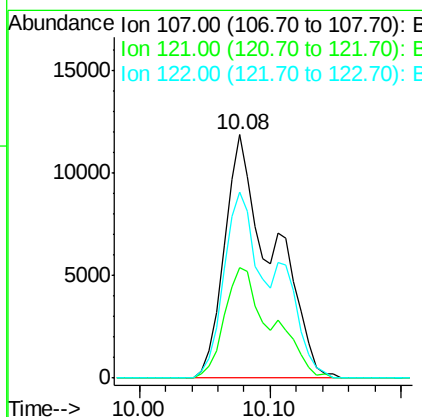
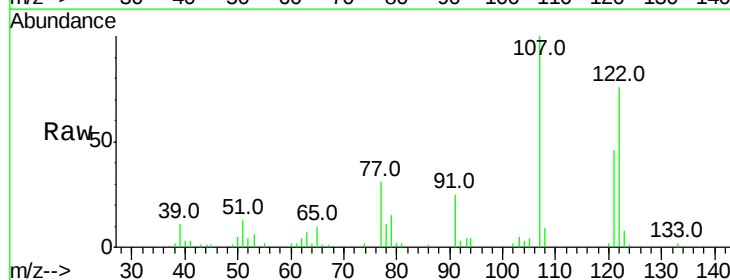
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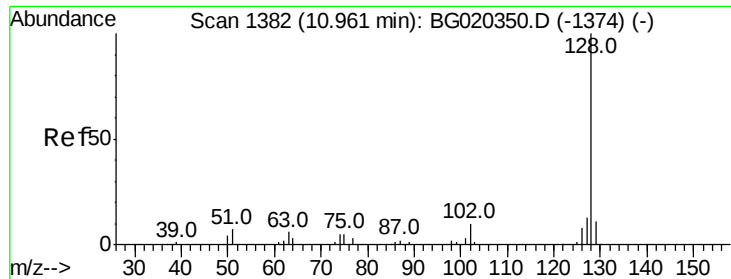
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#24
2,4-Dimethylphenol
Concen: 15.83 ng/ul m
RT: 10.08 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	30242		
121	45.6	39.0	58.4	
122	76.5	62.1	93.1	





#28

Naphthalene

Concen: 546.55 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. 0.02 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

Instrument :

BNA_G

ClientSampleId :

D9N53

Tot Ion:128 Resp: 2581624

Ion Ratio Lower Upper

128 100

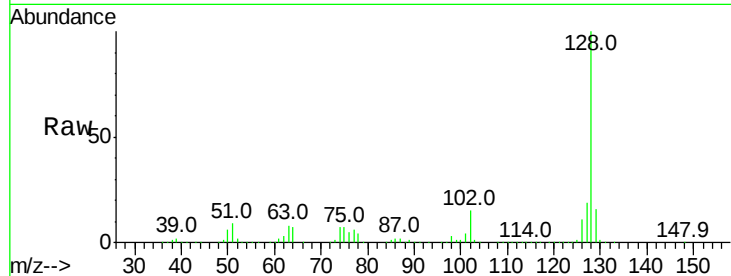
129 15.5 8.6 12.8#

127 18.5 10.1 15.1#

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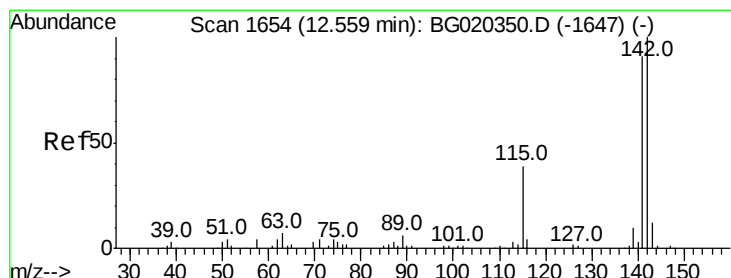
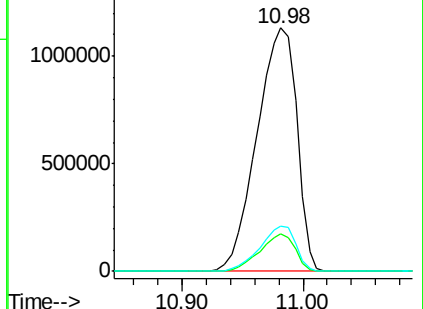
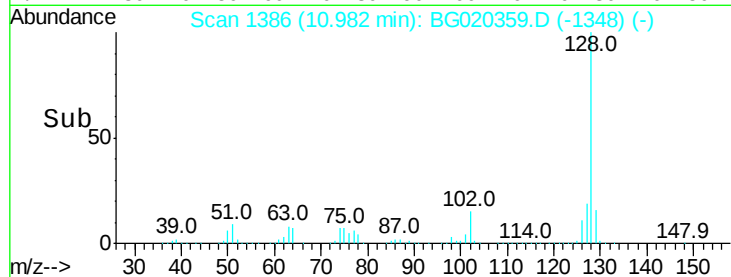
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 249.36 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BG020359.D

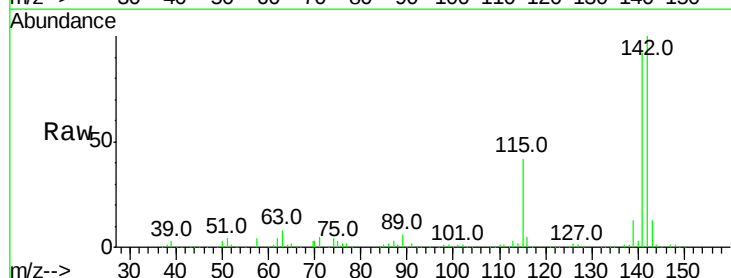
Acq: 21 Dec 2015 1:53

Tgt Ion:142 Resp: 899692

Ion Ratio Lower Upper

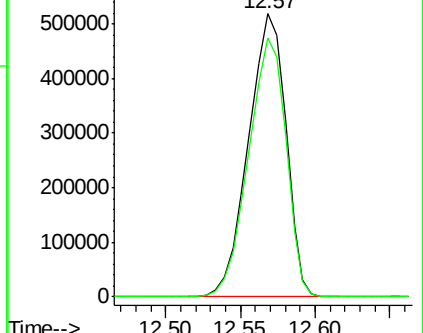
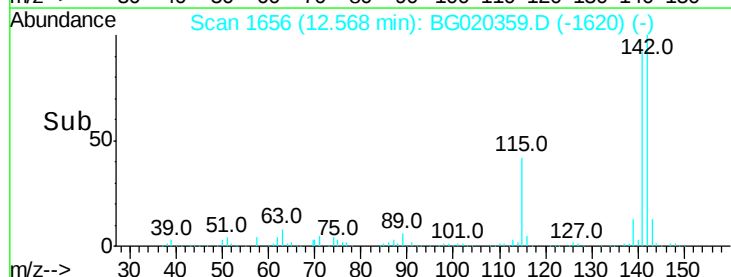
142 100

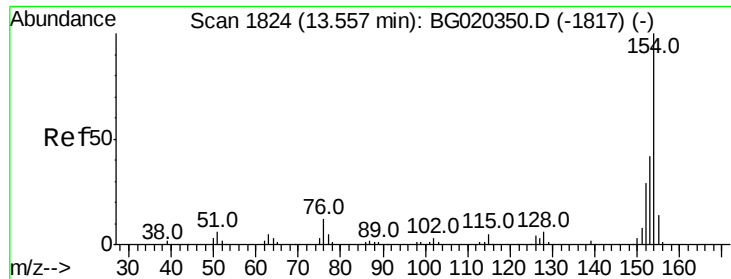
141 91.7 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





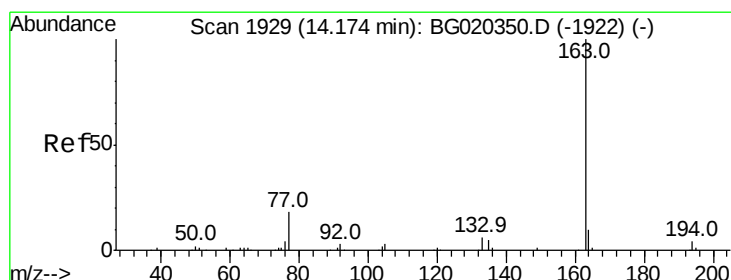
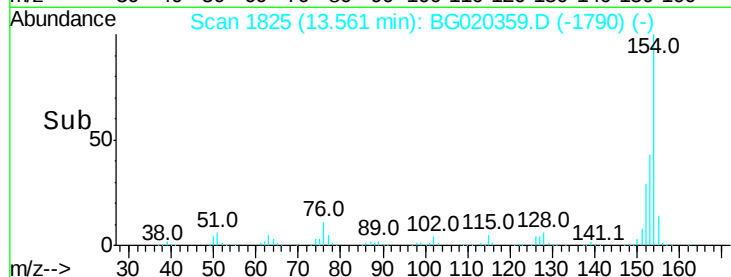
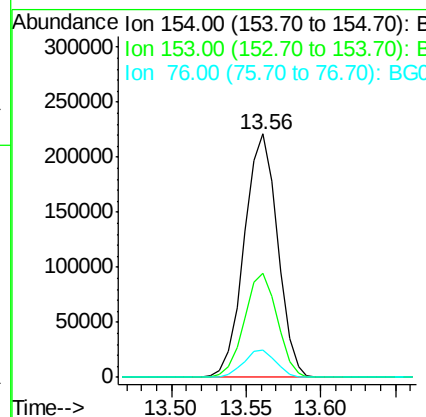
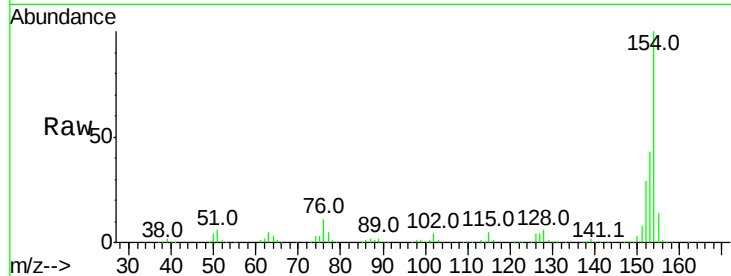
#41
1,1'-Biphenyl
Concen: 72.38 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.8	35.5	53.3	
76	11.0	10.4	15.6	

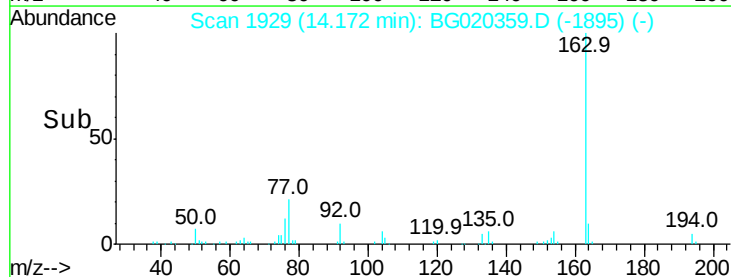
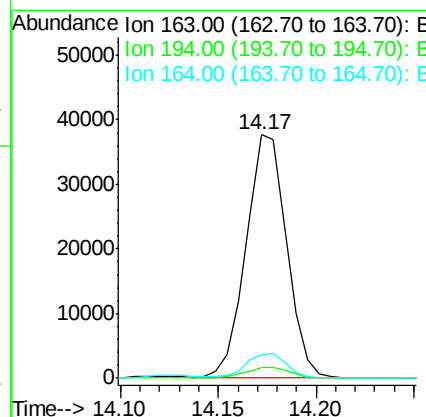
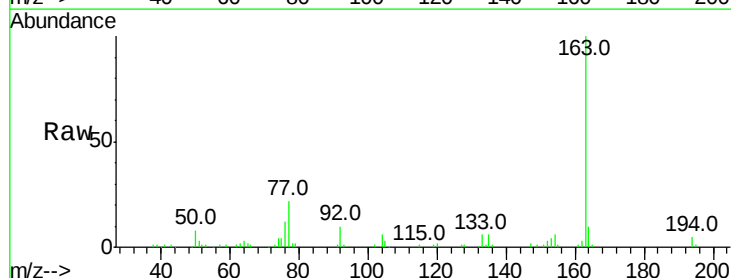
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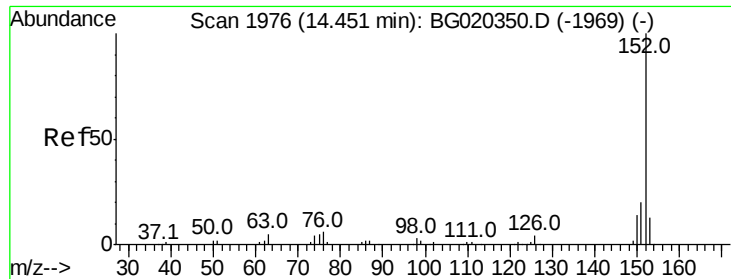
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#45
Dimethylphthalate
Concen: 10.49 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.6	3.5	5.3	
164	9.8	7.7	11.5	





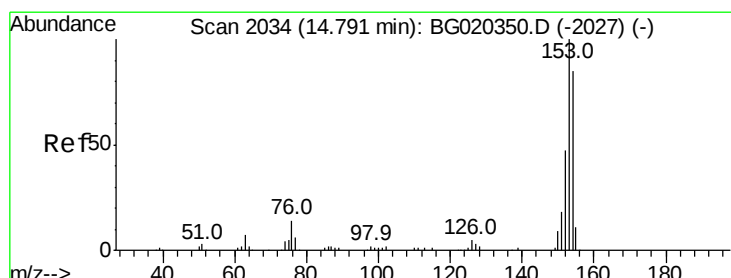
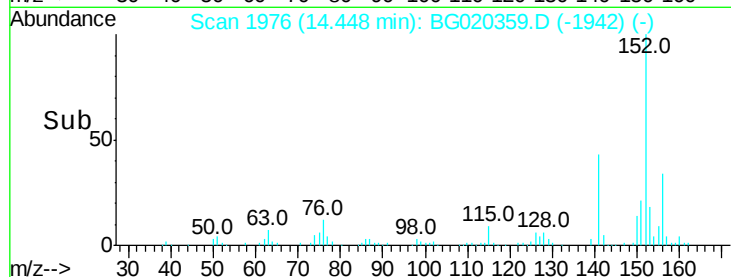
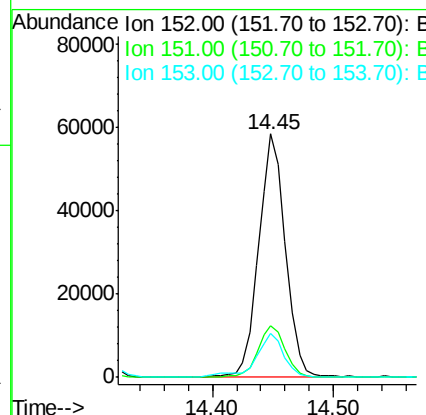
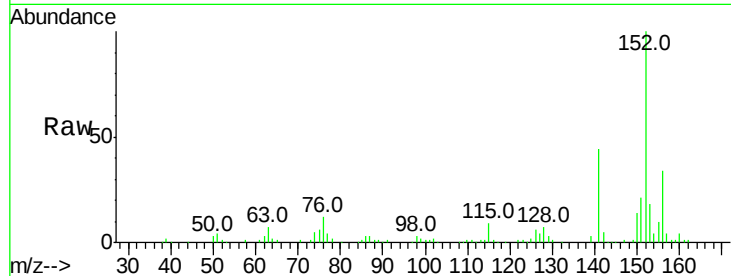
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Acenaphthylene
Concen: 14.37 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Instrument :
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Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	21.2	16.4	24.6
153	17.9	10.4	15.6

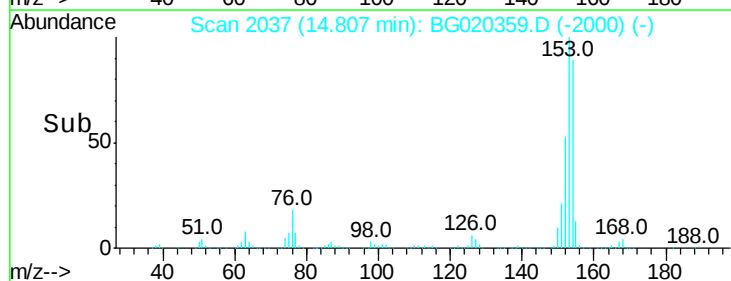
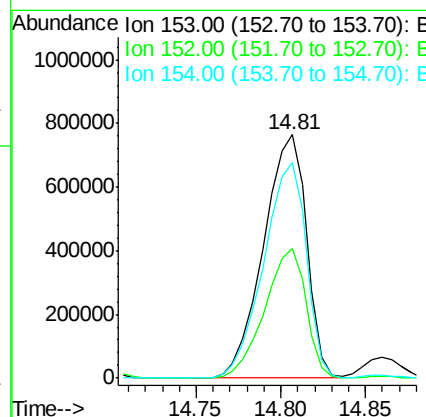
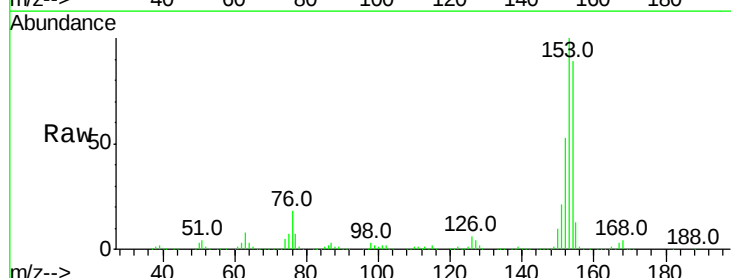
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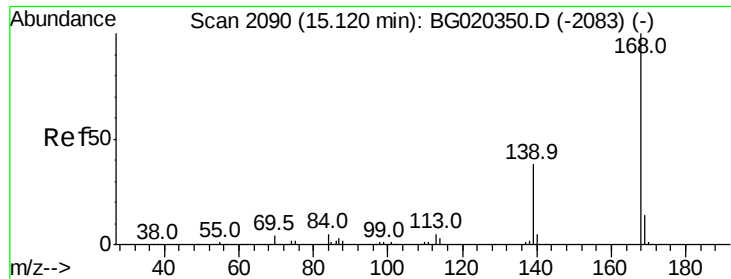
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#50
Acenaphthene
Concen: 323.15 ng/ul
RT: 14.81 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Resp Lower	Upper
153	100		
152	53.4	37.6	56.4
154	88.6	67.9	101.9





#54

Dibenzenofuran

Concen: 216.60 ng/ul

RT: 15.14 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

Instrument :

BNA_G

ClientSampleId :

D9N53

Tot Ion:168 Resp: 1355379

Ion Ratio Lower Upper

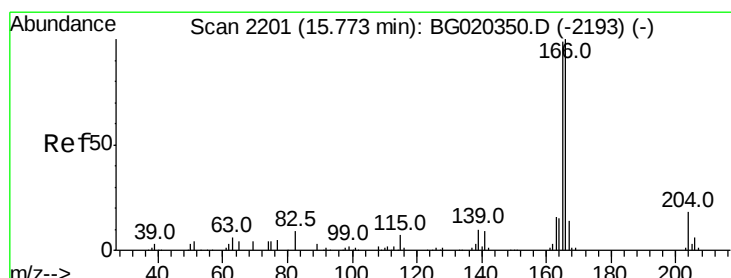
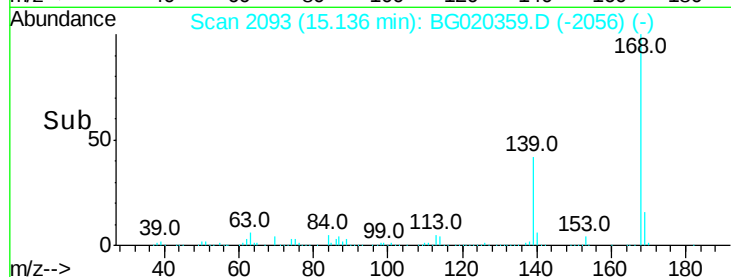
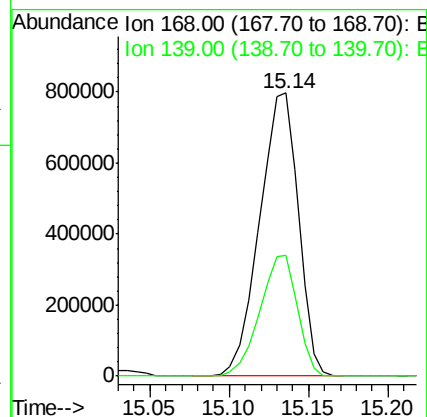
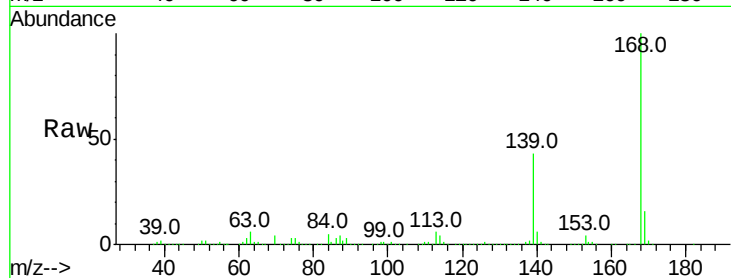
168 100

139 42.6 30.5 45.7

Manual Integrations
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#59

Fluorene

Concen: 261.09 ng/ul

RT: 15.79 min Scan# 2204

Delta R.T. 0.02 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

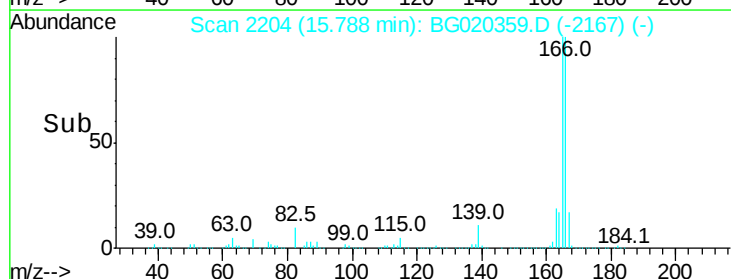
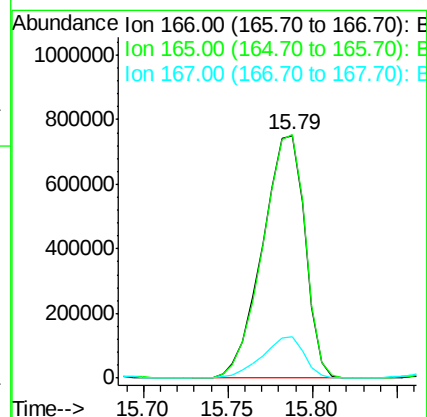
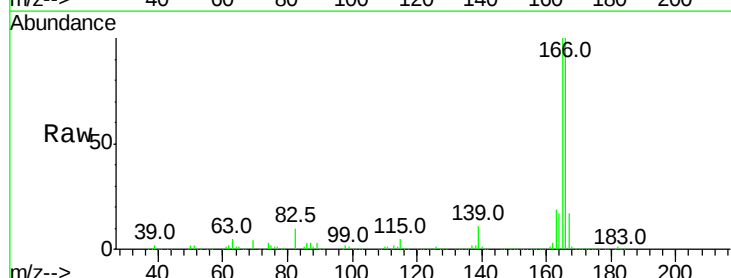
Tgt Ion:166 Resp: 1311947

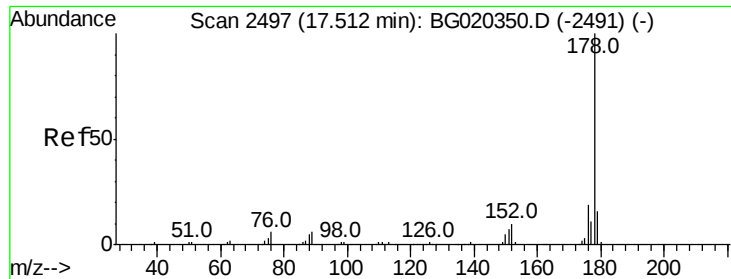
Ion Ratio Lower Upper

166 100

165 100.3 81.4 122.0

167 17.0 11.2 16.8#





#70

Phenanthrene

Concen: 528.66 ng/ul m

RT: 17.54 min Scan# 2503

Delta R.T. 0.03 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

Instrument :

BNA_G

ClientSampleId :

D9N53

Tot Ion:178 Resp: 3911085

Ion Ratio Lower Upper

178 100

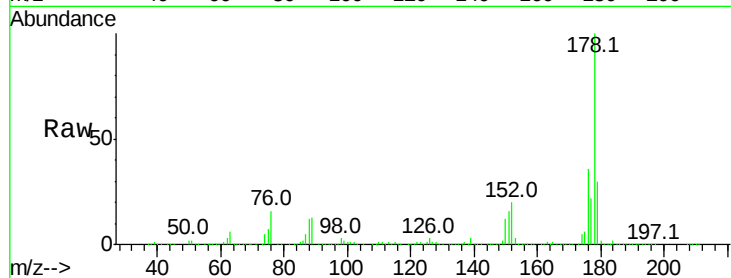
179 29.8 12.9 19.3#

176 35.9 15.3 22.9#

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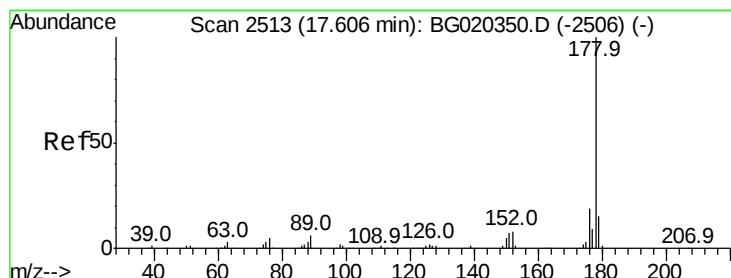
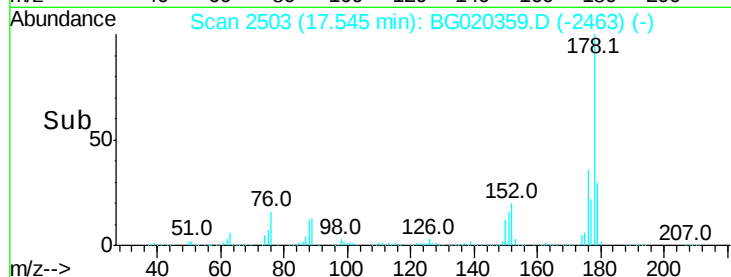
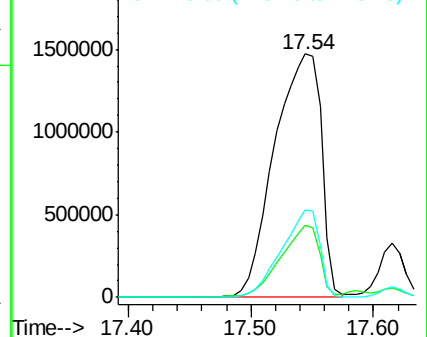
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 63.04 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BG020359.D

Acq: 21 Dec 2015 1:53

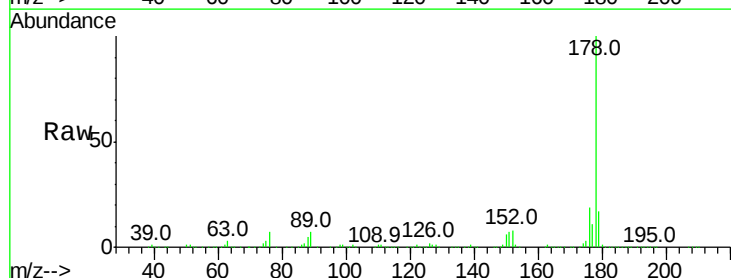
Tgt Ion:178 Resp: 473058

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

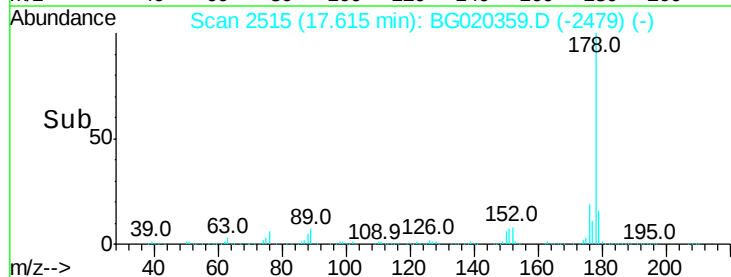
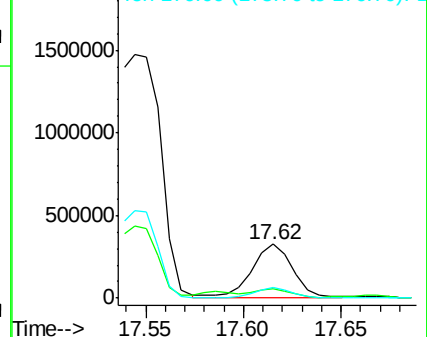
176 19.1 14.3 21.5

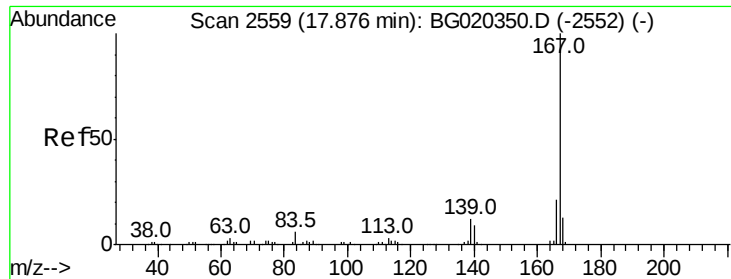


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





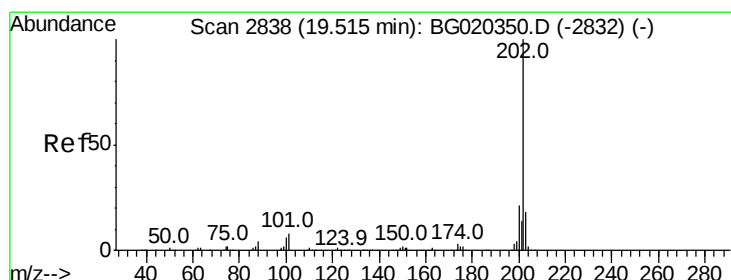
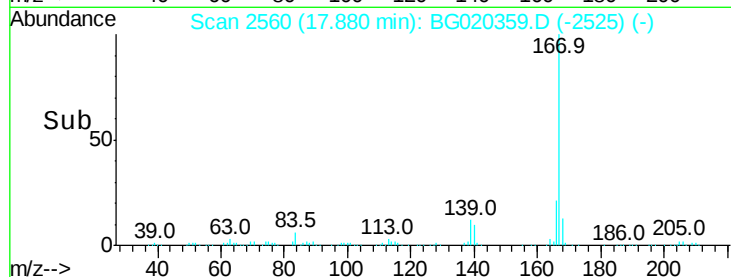
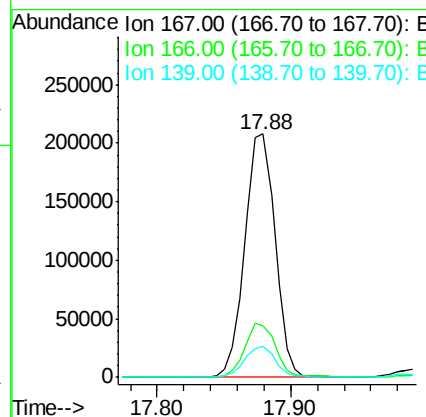
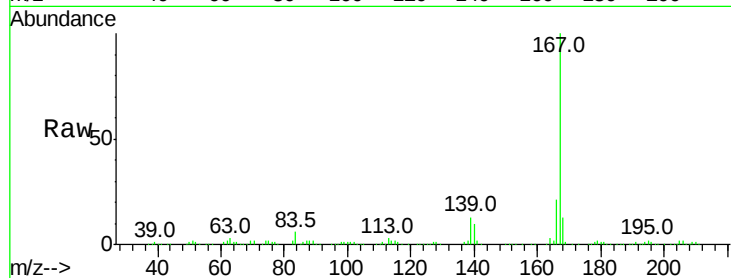
#75
 Carbazole
 Concen: 51.61 ng/ul
 RT: 17.88 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.6	10.1	15.1

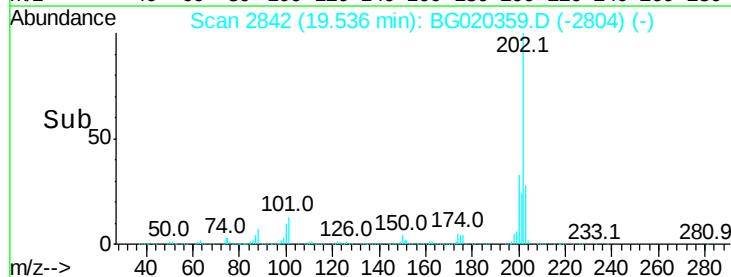
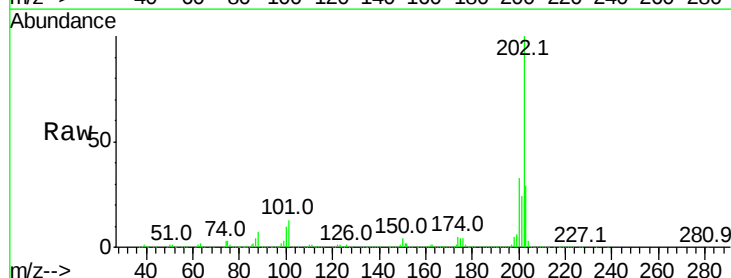
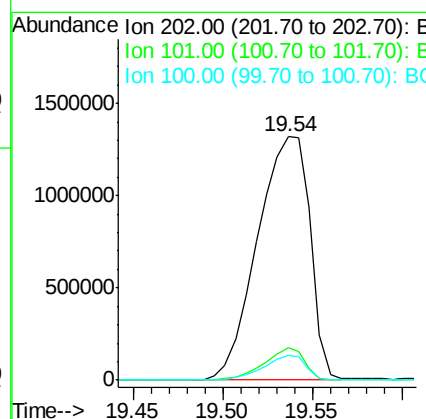
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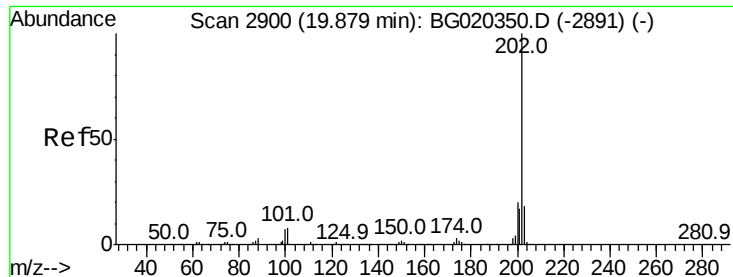
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#77
 Fluoranthene
 Concen: 310.80 ng/ul m
 RT: 19.54 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	6.2	9.4#
100	10.4	5.1	7.7#





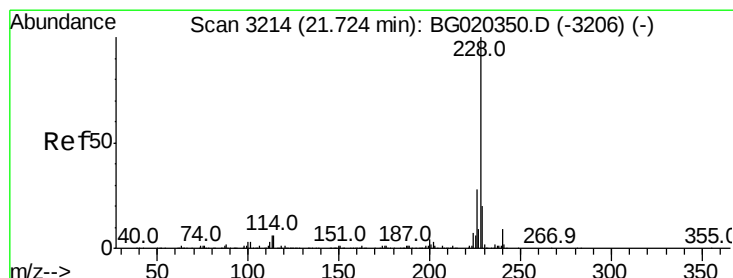
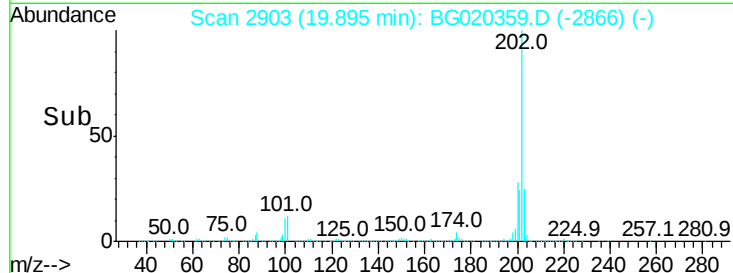
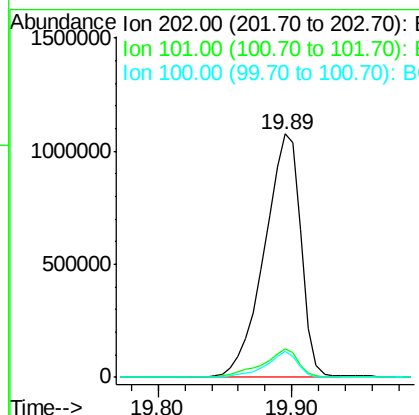
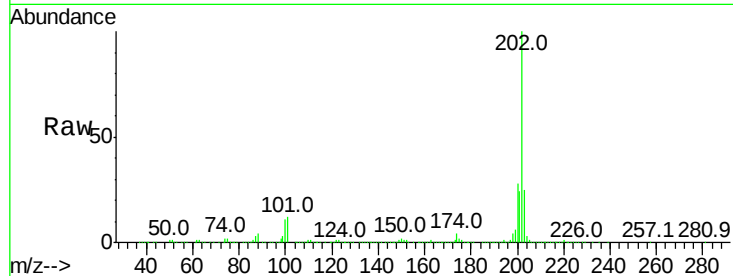
#80
 Pvrene
 Concen: 194.43 ng/ul
 RT: 19.89 min Scan# 2903
 Delta R.T. 0.02 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	7.0	10.4#
100	10.7	6.4	9.6#

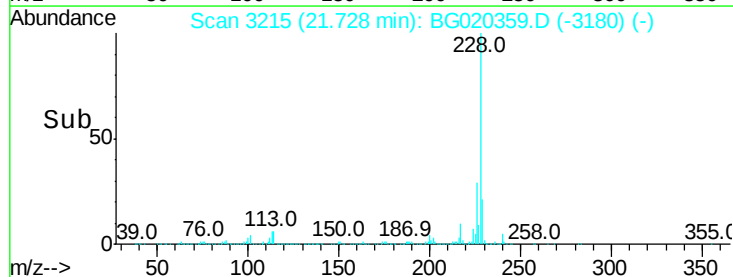
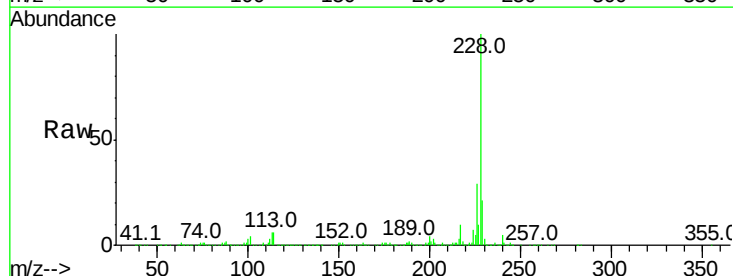
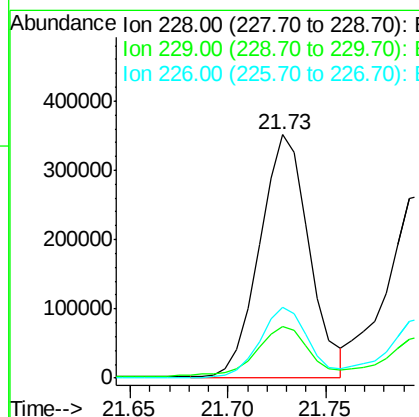
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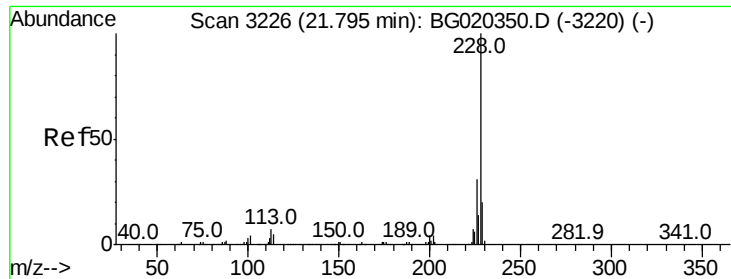
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#83
 Benzo(a)anthracene
 Concen: 60.61 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	29.0	21.8	32.6





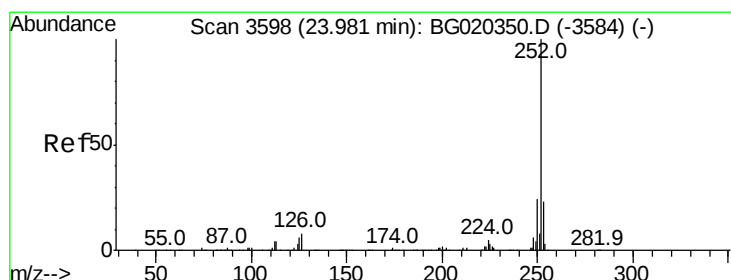
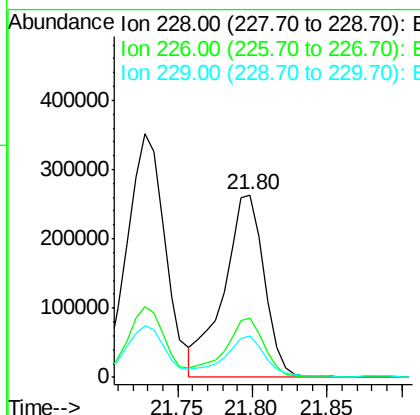
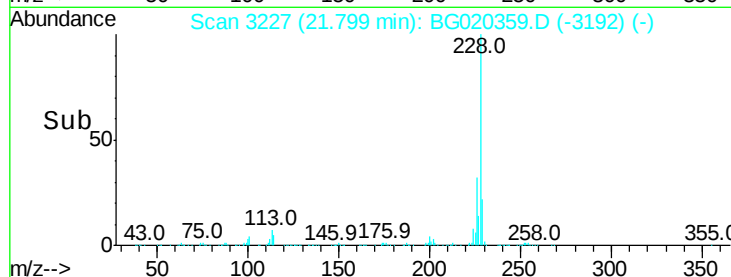
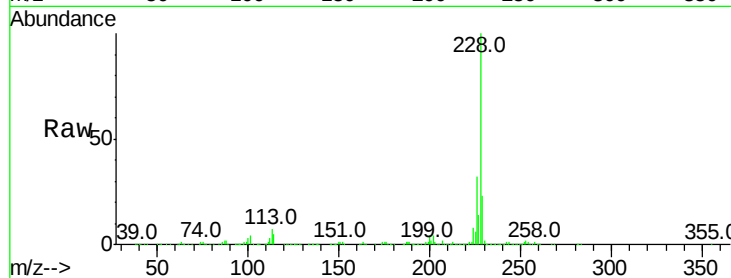
#85
 Chrysene
 Concen: 52.04 ng/ul
 RT: 21.80 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	22.8	15.6	23.4

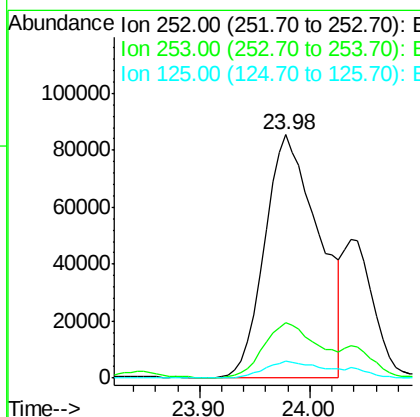
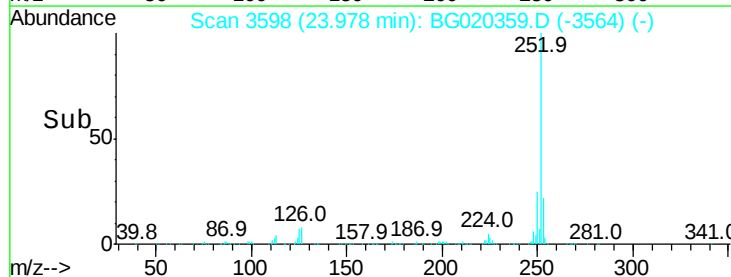
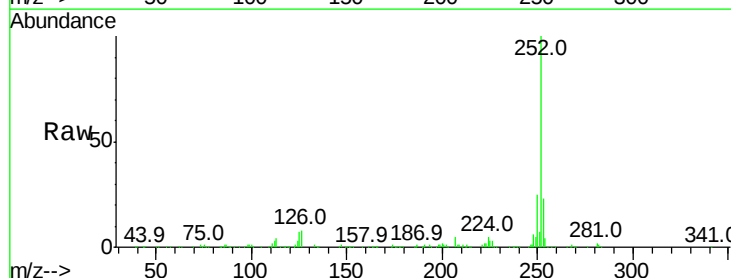
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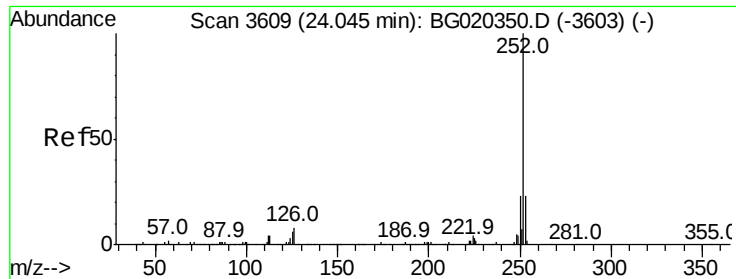
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#88
 Benzo(b)fluoranthene
 Concen: 29.11 ng/ul
 RT: 23.98 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.7	25.1
125	6.8	6.2	9.2





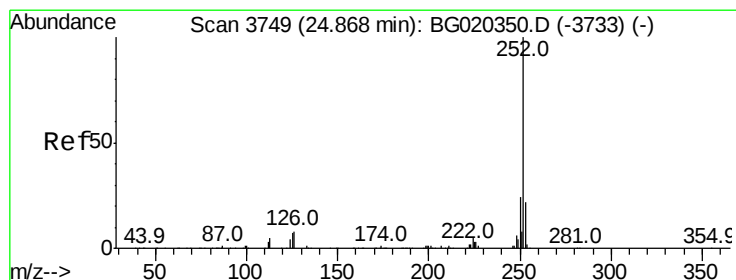
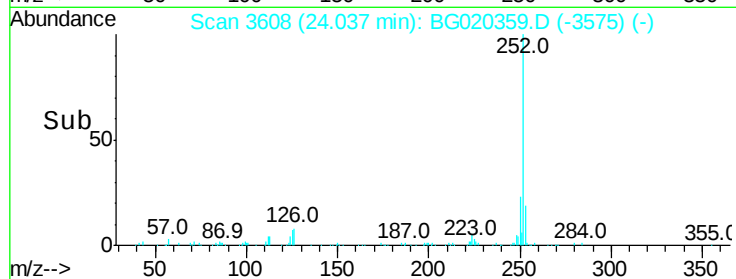
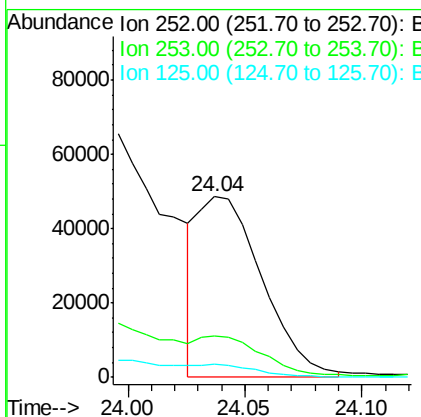
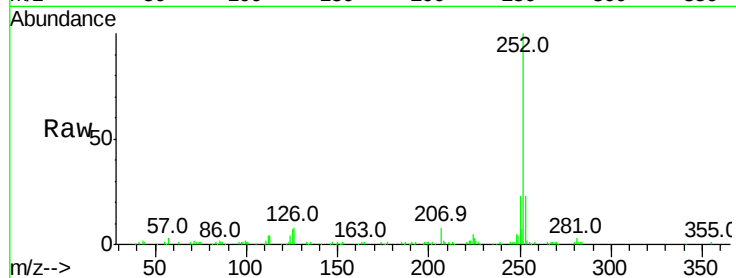
#89
Benzo(k)fluoranthene
Concen: 9.77 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Instrument :
BNA_G
ClientSampleId :
D9N53

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	7.3	5.8	8.6

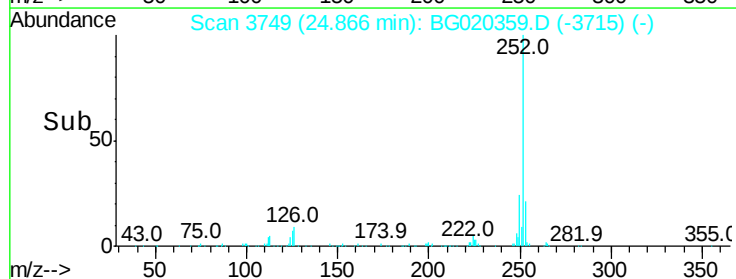
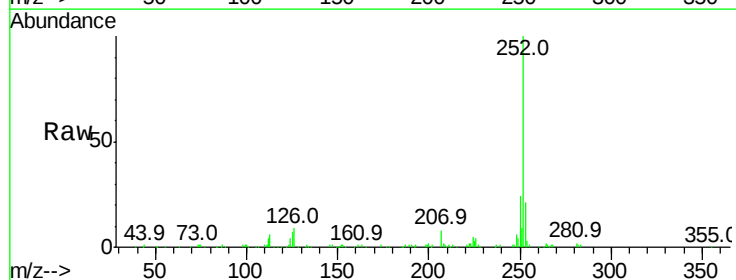
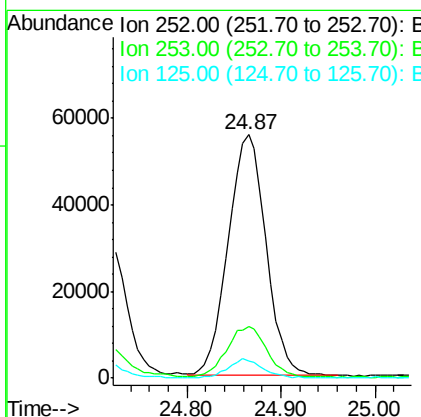
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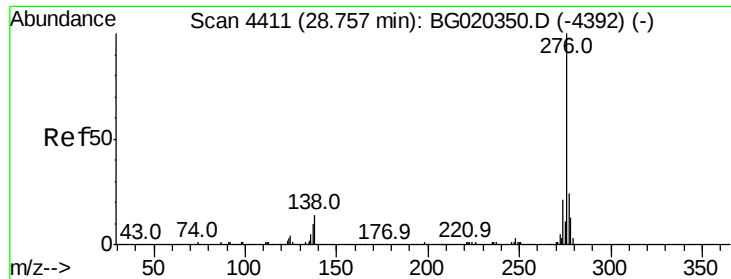
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#91
Benzo(a)pyrene
Concen: 16.48 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. -0.00 min
Lab File: BG020359.D
Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	6.8	6.2	9.4





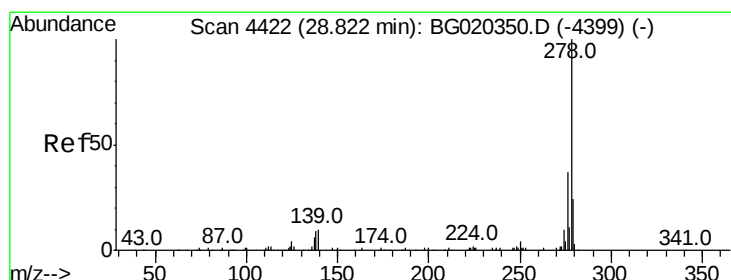
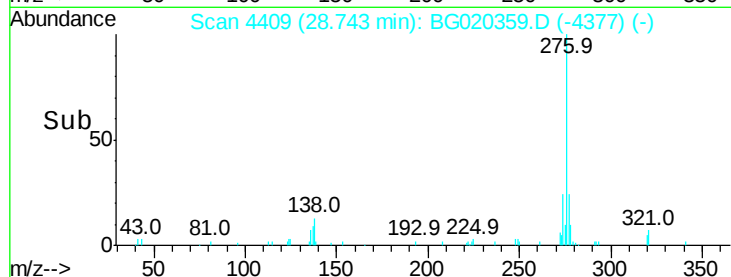
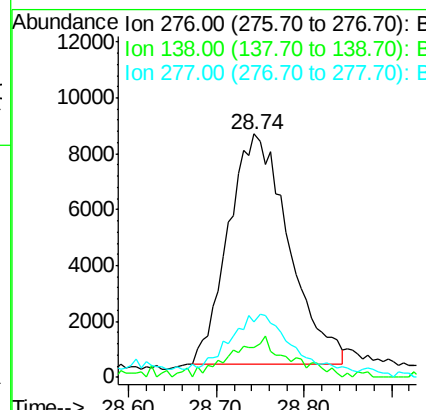
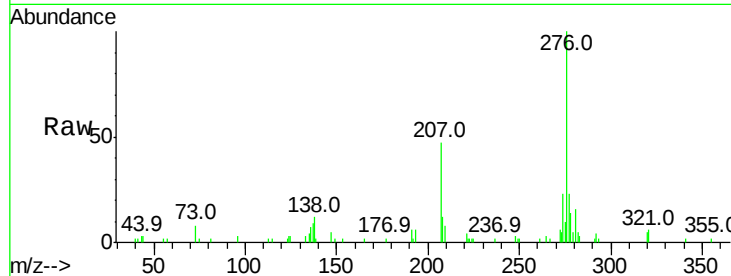
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.46 ng/ul
 RT: 28.74 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.4	11.4	17.0
277	22.9	17.4	26.0

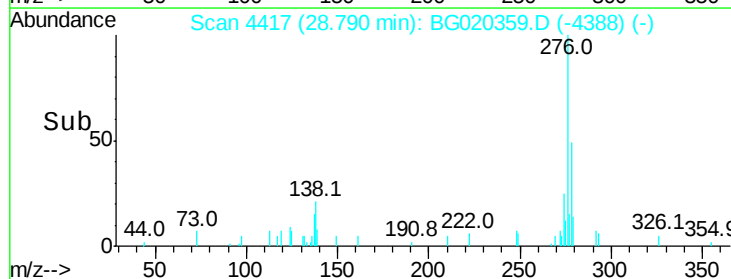
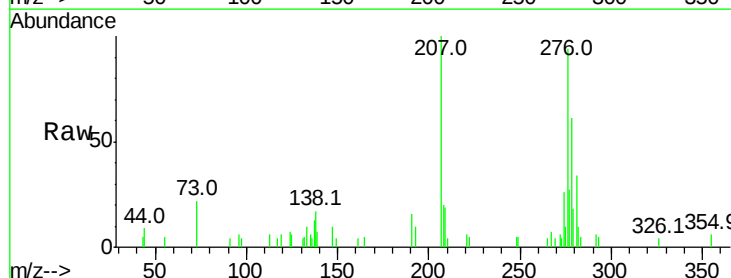
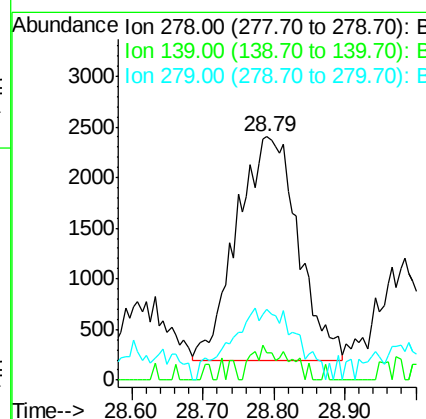
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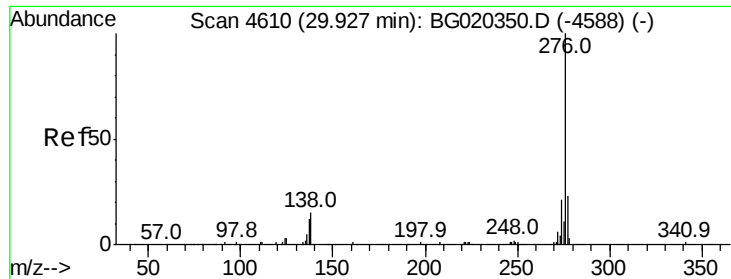
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.42 ng/ul m
 RT: 28.79 min Scan# 4417
 Delta R.T. -0.03 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	11.2	9.4	14.2
279	28.9	19.4	29.0





#94
 Benzo(a,h,i)perylene
 Concen: 3.27 ng/ul
 RT: 29.91 min Scan# 4607
 Delta R.T. -0.02 min
 Lab File: BG020359.D
 Acq: 21 Dec 2015 1:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tot Ion:	276	Resp:	30043
Ion Ratio	Lower	Upper	
276	100		
138	15.6	10.8	16.2
277	22.1	19.9	29.9

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