

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4767-22ME
 Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:33:46 PM

Quant Time: Dec 23 06:56:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20499	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	91670	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	68627	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	139829	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	175989	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	171430	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1086	2.93	ng/uL	0.00
5) Phenol-d5	7.24	99	32145	17.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	21223	19.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26141	19.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	29277	18.94	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15271	21.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17762	22.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32014	19.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	36446	20.14	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	109251	19.68	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	129025	19.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13194	13.25	ng/ul	0.00
58) Fluorene-d10	15.71	176	99685	19.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	13650	16.47	ng/ul	0.03
71) Anthracene-d10	17.59	188	143545	22.28	ng/ul	0.03
79) Pyrene-d10	19.86	212	175464	21.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	202143	23.64	ng/ul	0.00

Target Compounds

					Ovalue
16) 4-Methylphenol	8.86	108	2195	1.34 ng/ul#	74
24) 2,4-Dimethylphenol	10.07	107	8388m	4.33 ng/ul	
28) Naphthalene	10.99	128	3922615	819.40 ng/ul#	74
34) 2-Methylnaphthalene	12.58	142	1581878	432.61 ng/ul	100
41) 1,1'-Biphenyl	13.56	154	696049	134.44 ng/ul	99
45) Dimethylphthalate	14.17	163	17085	3.01 ng/ul	99
48) Acenaphthylene	14.44	152	262308	38.23 ng/ul#	96
50) Acenaphthene	14.81	153	2441336	528.83 ng/ul#	89
54) Dibenzofuran	15.14	168	2415647	351.75 ng/ul#	81
59) Fluorene	15.79	166	2278892	413.23 ng/ul#	97
70) Phenanthrene	17.56	178	6270620m	819.86 ng/ul	
72) Anthracene	17.62	178	814133	104.95 ng/ul	95
75) Carbazole	17.88	167	508181	77.96 ng/ul	97
77) Fluoranthene	19.55	202	4371887m	489.09 ng/ul	
80) Pyrene	19.91	202	3460343	324.87 ng/ul#	79
83) Benzo(a)anthracene	21.73	228	1155321	112.51 ng/ul	94
85) Chrysene	21.79	228	997379m	103.13 ng/ul	
88) Benzo(b)fluoranthene	23.97	252	599048	58.06 ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	212524m	21.46 ng/ul	
91) Benzo(a)pyrene	24.86	252	343059	35.07 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.73	276	106224	9.12 ng/ul	93
93) Dibenzo(a,h)anthracene	28.77	278	30492m	3.15 ng/ul	
94) Benzo(g,h,i)perylene	29.90	276	79247	8.30 ng/ul	95

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Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44ME

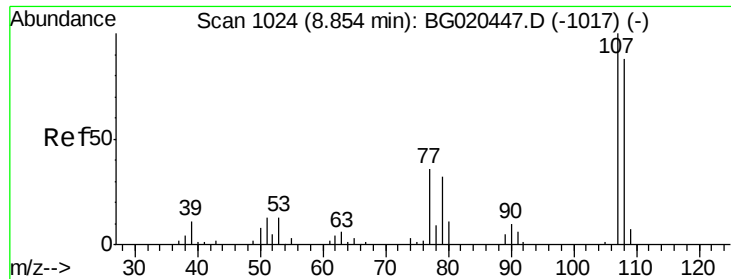
Manual Integrations
APPROVED

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12/24/2015 5:33:46 PM

Quant Time: Dec 23 06:56:03 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

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



#16

4-Methylphenol

Concen: 1.34 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N44ME

Tot Ion:108 Resp: 2195

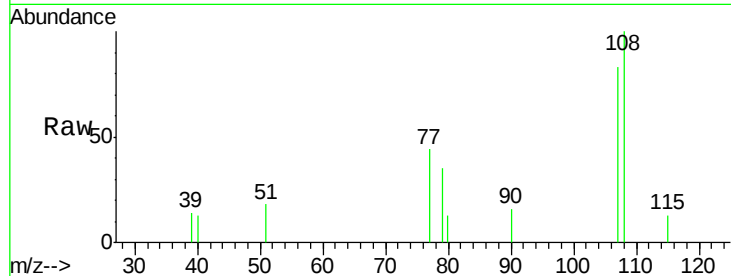
Ion Ratio Lower Upper

108 100

107 83.4 88.9 133.3#

Manual Integrations
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

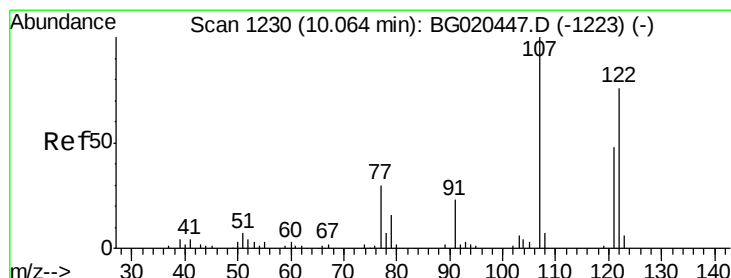
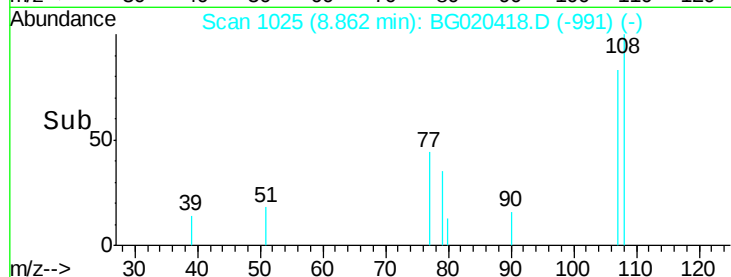
8.86

1000

500

0

Time-->



#24

2,4-Dimethylphenol

Concen: 4.33 ng/ul m

RT: 10.07 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

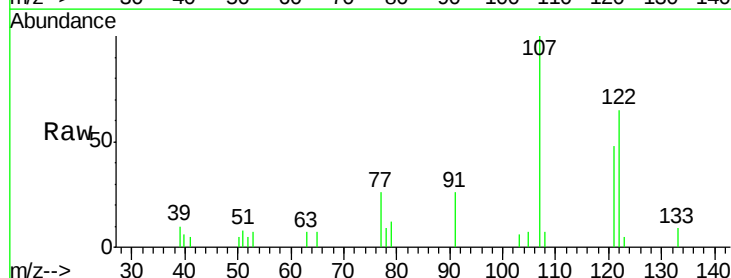
Tgt Ion:107 Resp: 8388

Ion Ratio Lower Upper

107 100

121 47.9 39.0 58.4

122 64.9 62.1 93.1



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

10.07

4000

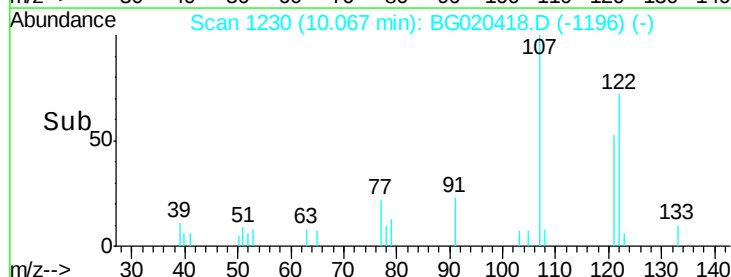
3000

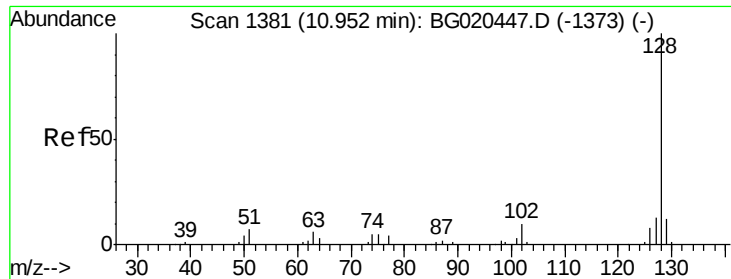
2000

1000

0

Time-->





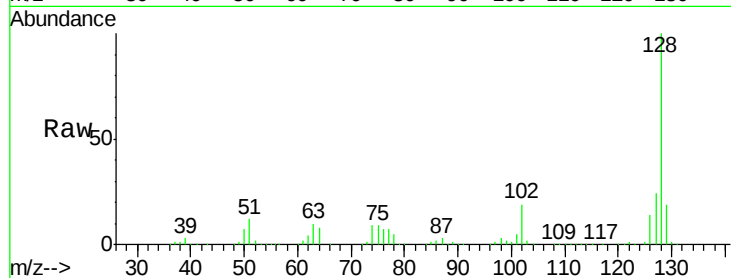
#28
Naphthalene
Concen: 819.40 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.04 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

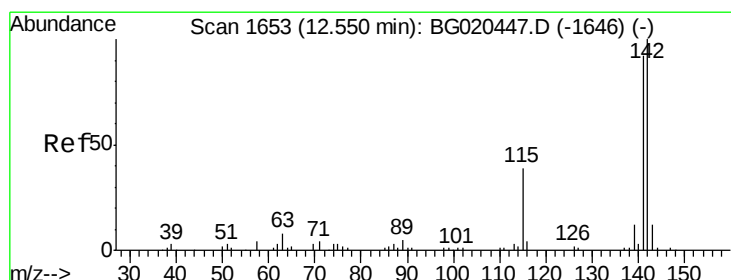
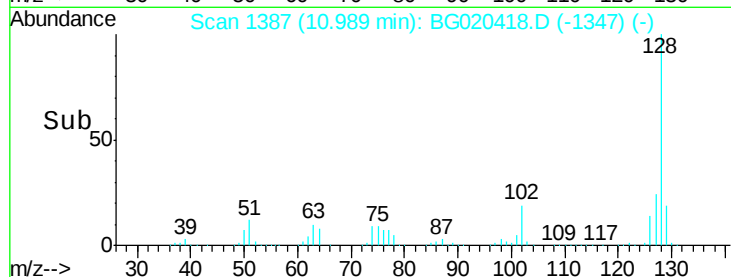
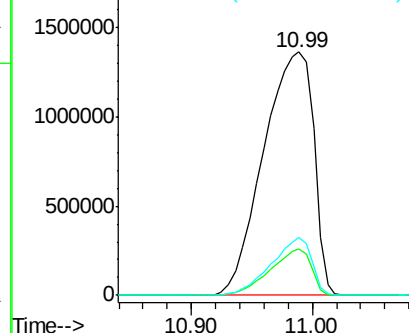
Tot Ion:128 Resp: 3922615
Ion Ratio Lower Upper
128 100
129 19.2 8.6 12.8#
127 23.9 10.1 15.1#

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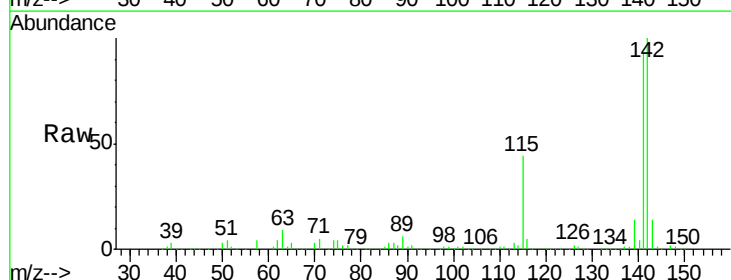


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

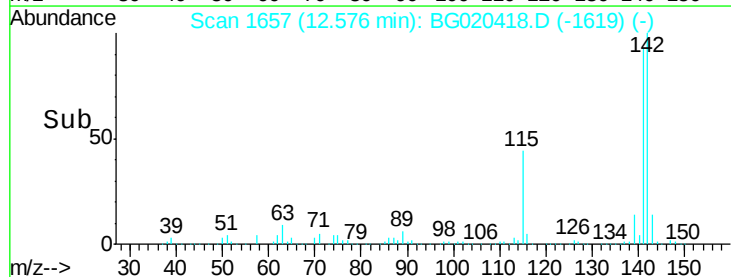
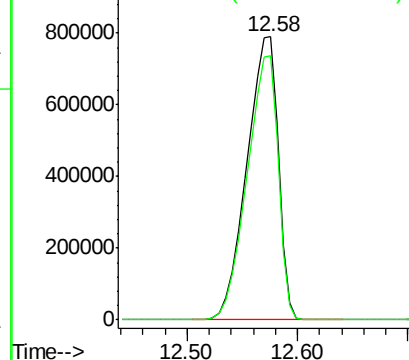


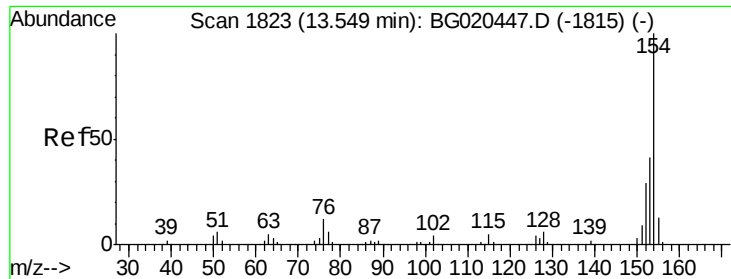
#34
2-Methylnaphthalene
Concen: 432.61 ng/ul
RT: 12.58 min Scan# 1657
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:142 Resp: 1581878
Ion Ratio Lower Upper
142 100
141 93.2 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: 134.44 ng/ul

RT: 13.56 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

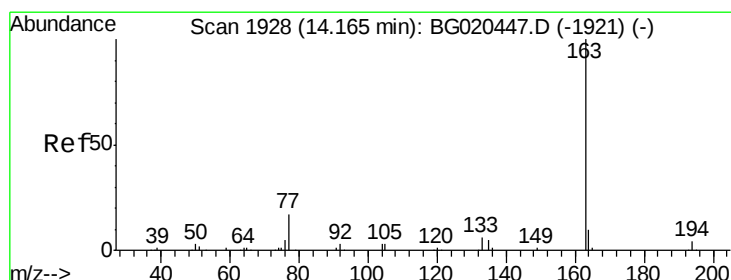
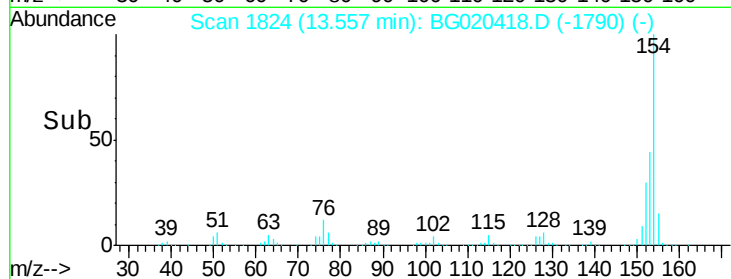
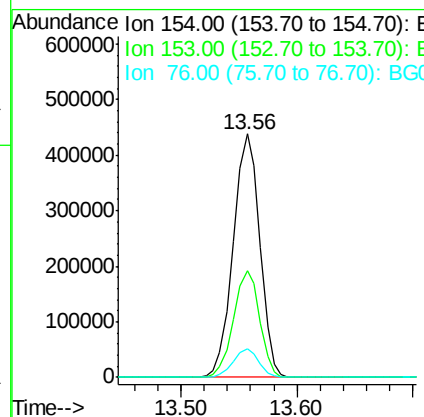
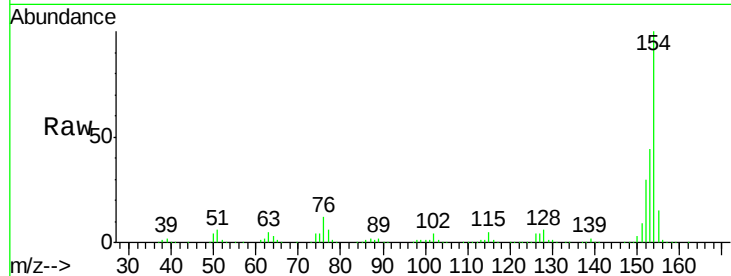
ClientSampleId :

D9N44ME

Tot Ion:	154	Resp:	696049
Ion Ratio	Lower	Upper	
154	100		
153	44.0	35.5	53.3
76	11.6	10.4	15.6

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#45

Dimethylphthalate

Concen: 3.01 ng/ul

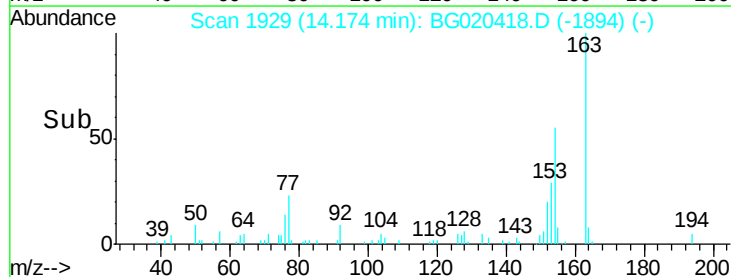
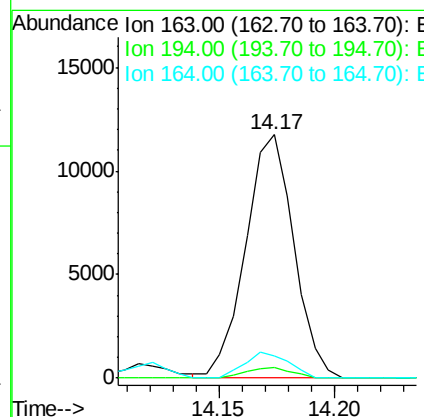
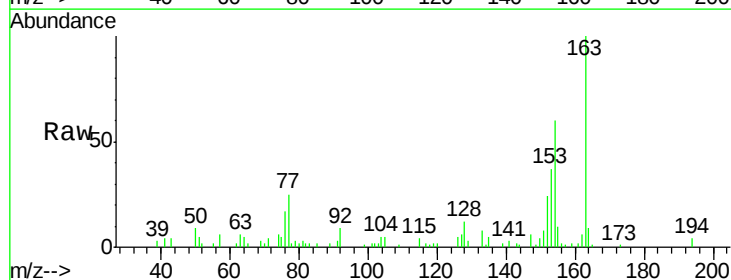
RT: 14.17 min Scan# 1929

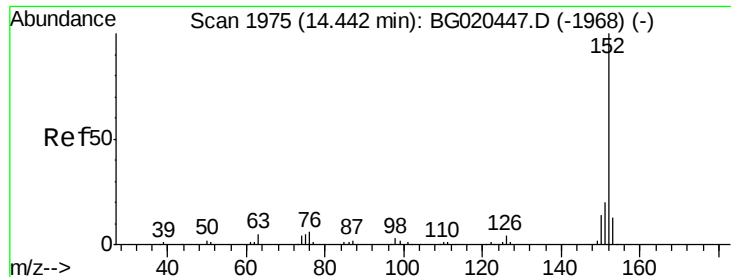
Delta R.T. 0.01 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Tgt Ion:	163	Resp:	17085
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	9.2	7.7	11.5





#48

Acenaphthylene

Concen: 38.23 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

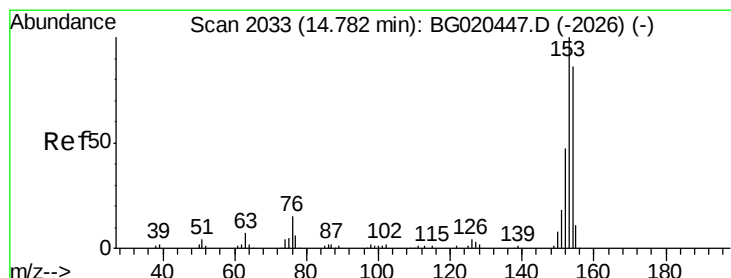
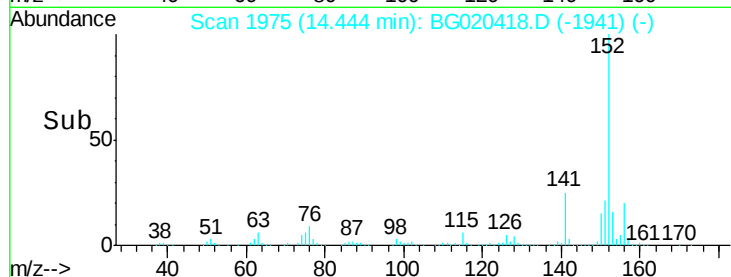
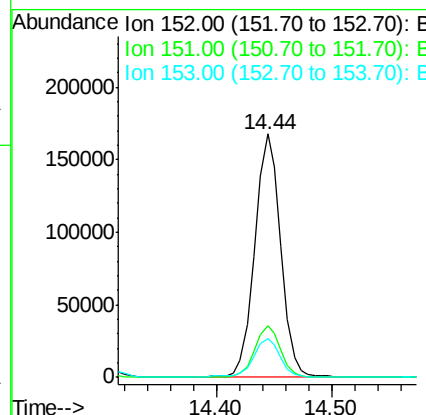
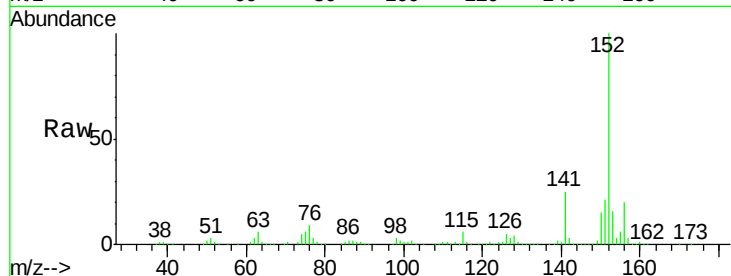
ClientSampleId :

D9N44ME

Tot Ion	Ratio	Resp	Lower	Upper
152	100	262308		
151	21.4		16.4	24.6
153	15.9		10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 528.83 ng/ul

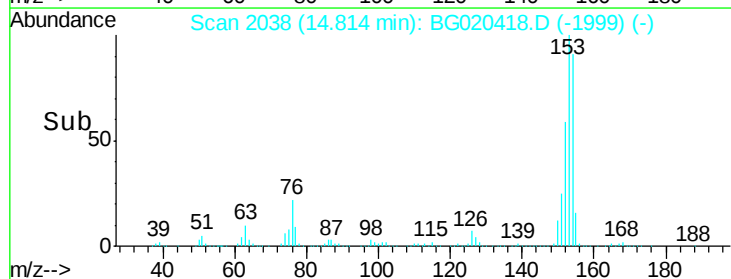
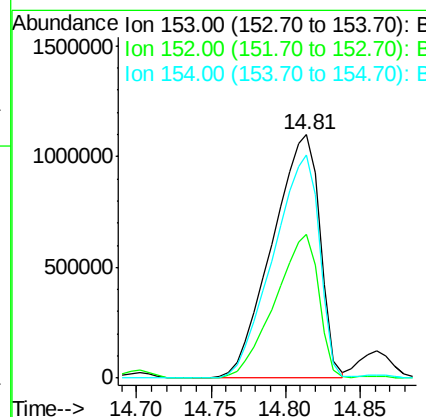
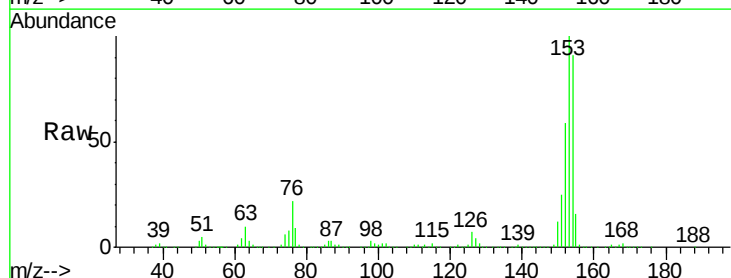
RT: 14.81 min Scan# 2038

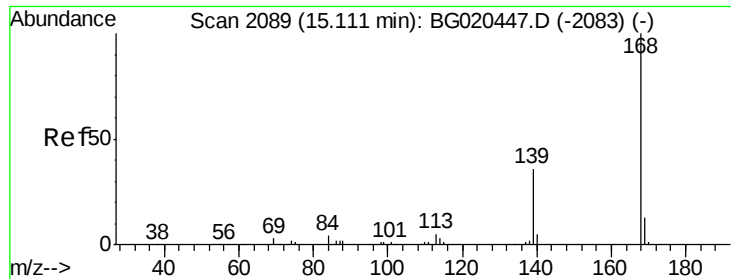
Delta R.T. 0.03 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2441336		
152	59.2		37.6	56.4
154	91.4		67.9	101.9





#54

Dibenzenofuran

Concen: 351.75 ng/ul

RT: 15.14 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N44ME

Tot Ion:168 Resp: 2415647

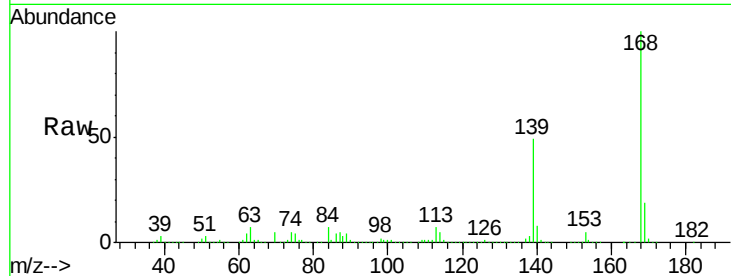
Ion Ratio Lower Upper

168 100

139 49.3 30.5 45.7#

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.14

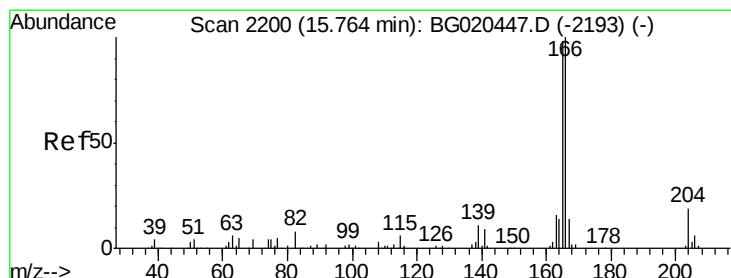
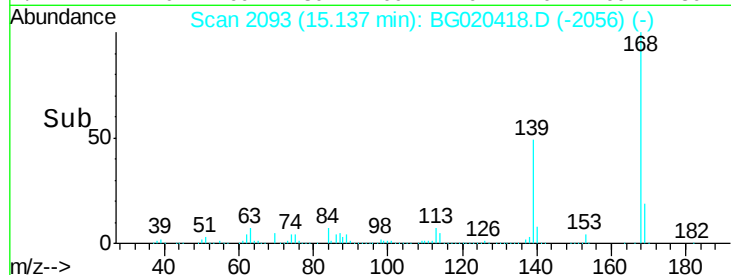
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500000

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Time-->

15.05 15.10 15.15 15.20



#59

Fluorene

Concen: 413.23 ng/ul

RT: 15.79 min Scan# 2204

Delta R.T. 0.03 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

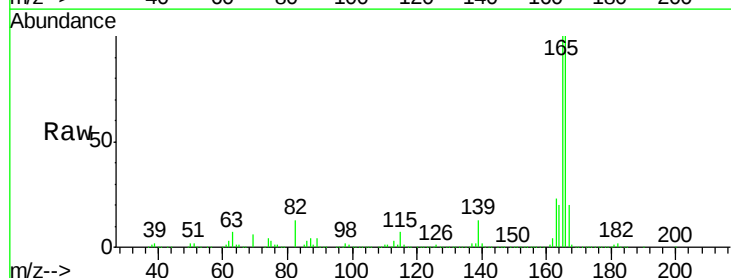
Tgt Ion:166 Resp: 2278892

Ion Ratio Lower Upper

166 100

165 100.2 81.4 122.0

167 19.8 11.2 16.8#



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

15.79

1500000

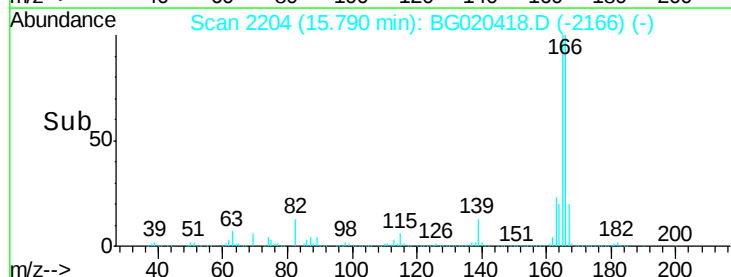
1000000

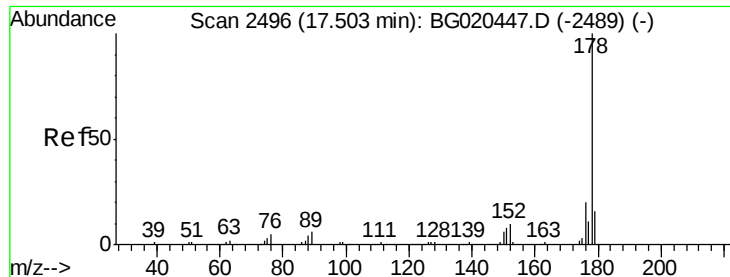
500000

0

Time-->

15.70 15.75 15.80 15.85





#70

Phenanthrene

Concen: 819.86 ng/ul m

RT: 17.56 min Scan# 2506

Delta R.T. 0.05 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

ClientSampleId :

D9N44ME

Tot Ion:178 Resp: 6270620

Ion Ratio Lower Upper

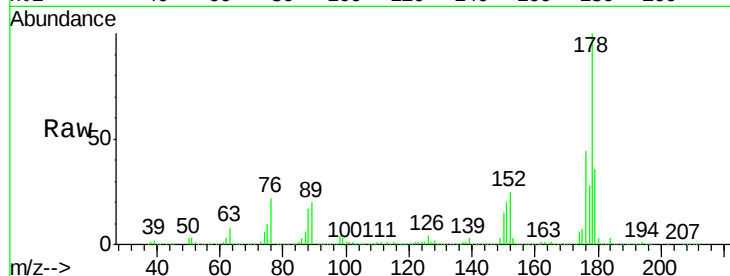
178 100

179 35.8 12.9 19.3#

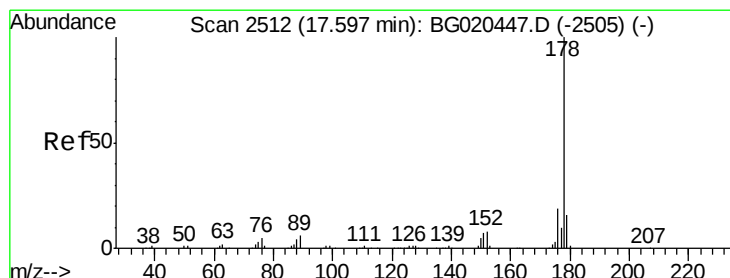
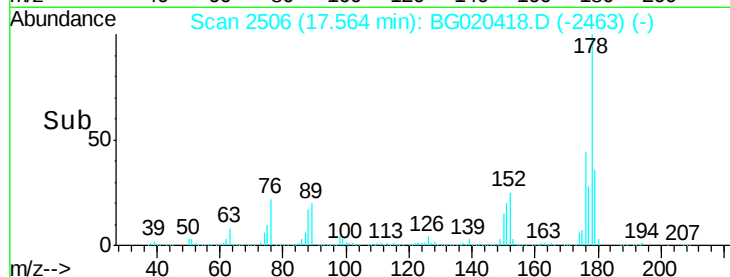
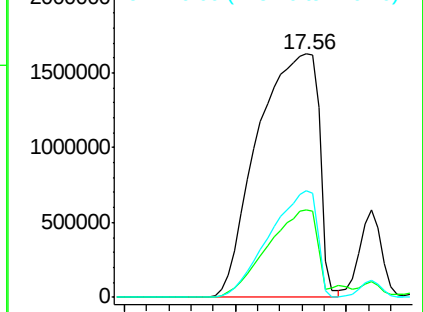
176 43.6 15.3 22.9#

Manual Integrations
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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: 104.95 ng/ul

RT: 17.62 min Scan# 2516

Delta R.T. 0.03 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

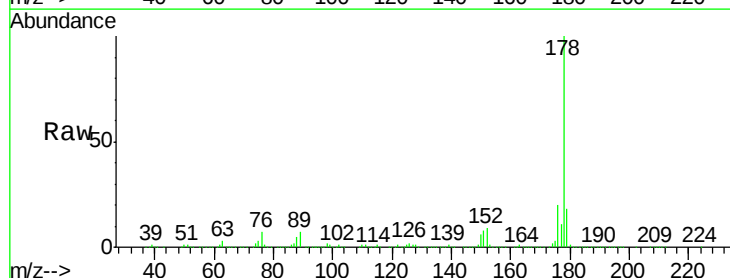
Tgt Ion:178 Resp: 814133

Ion Ratio Lower Upper

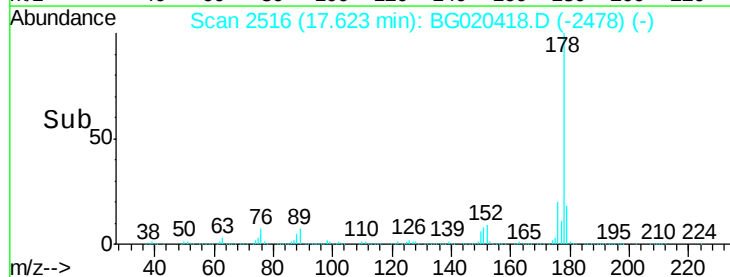
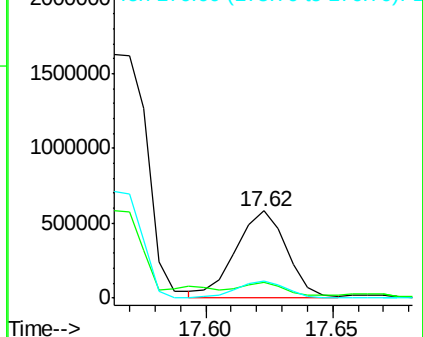
178 100

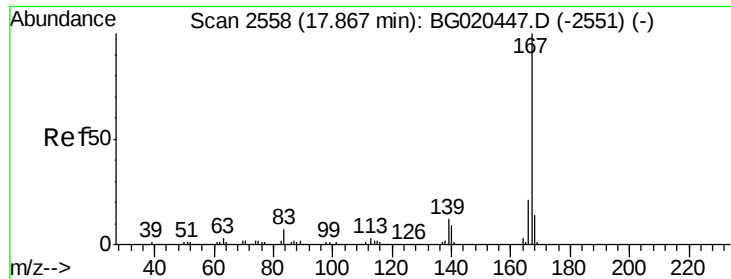
179 17.7 12.3 18.5

176 20.1 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: 77.96 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

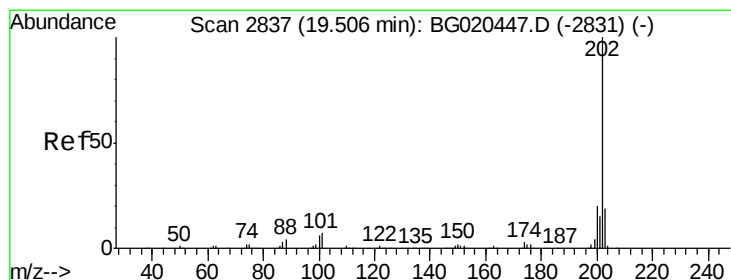
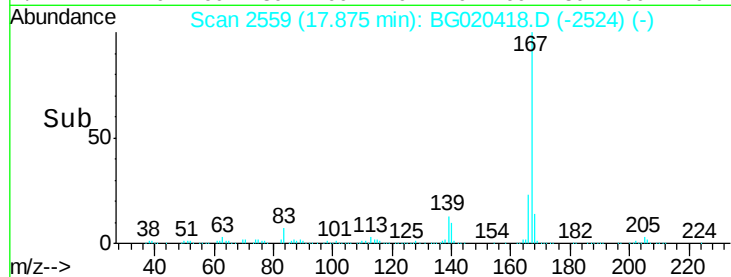
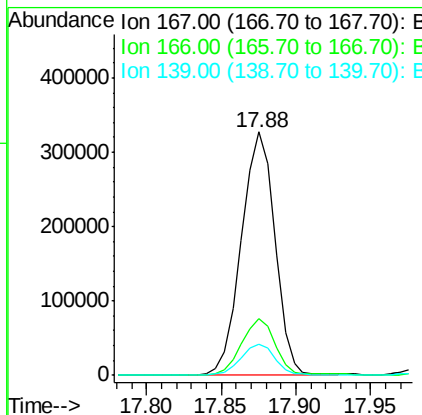
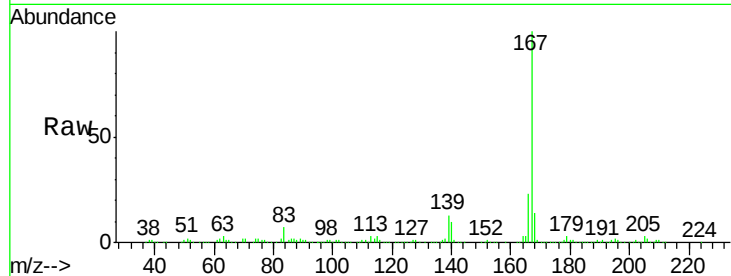
ClientSampleId :

D9N44ME

Tot Ion:	167	Resp:	508181
Ion Ratio		Lower	Upper
167	100		
166	23.1	17.0	25.6
139	13.0	10.1	15.1

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#77

Fluoranthene

Concen: 489.09 ng/ul m

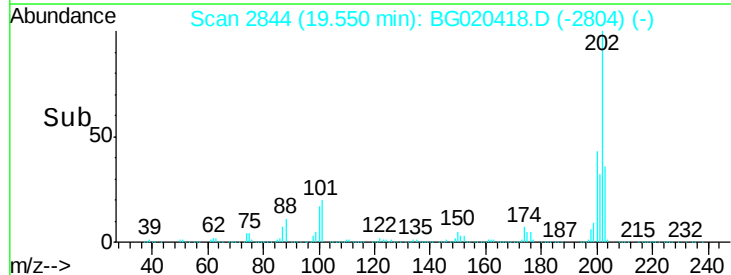
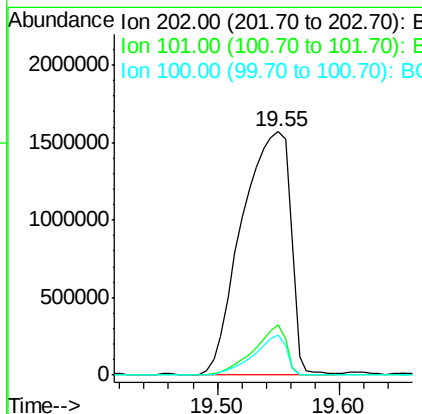
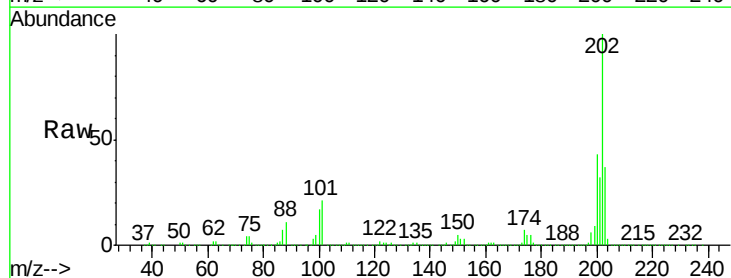
RT: 19.55 min Scan# 2844

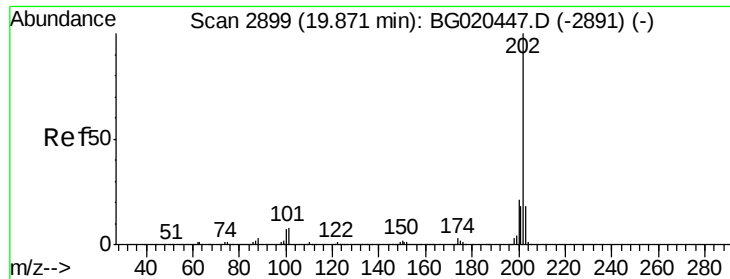
Delta R.T. 0.04 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Tgt Ion:	202	Resp:	4371887
Ion Ratio		Lower	Upper
202	100		
101	20.6	6.2	9.4#
100	16.5	5.1	7.7#





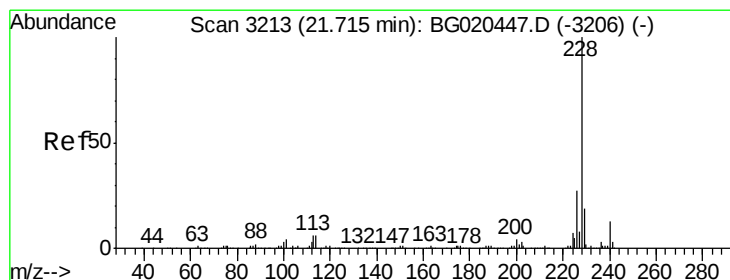
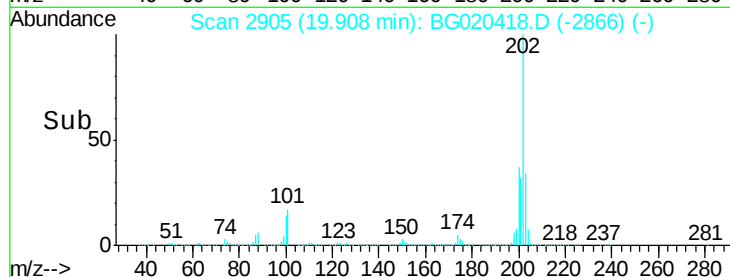
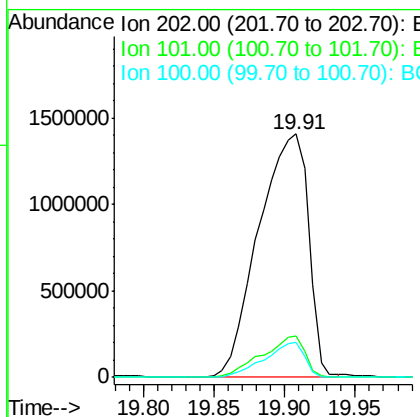
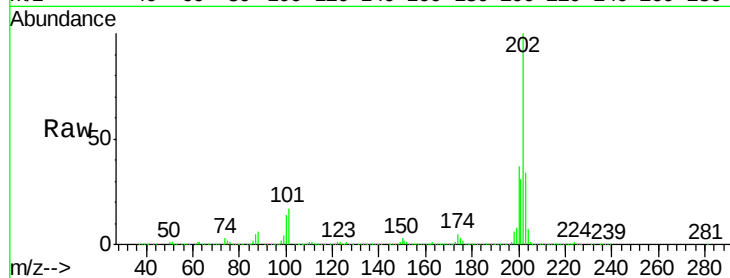
#80
Pvrene
Concen: 324.87 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	17.1	7.0	10.4#
100	14.3	6.4	9.6#

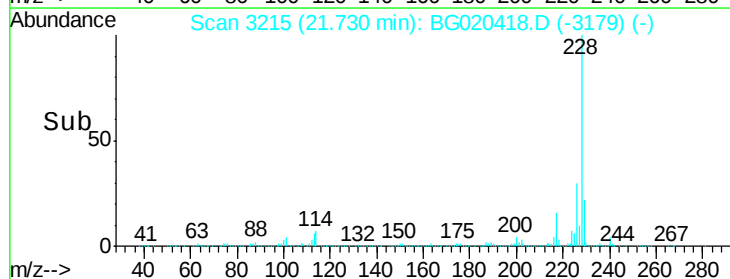
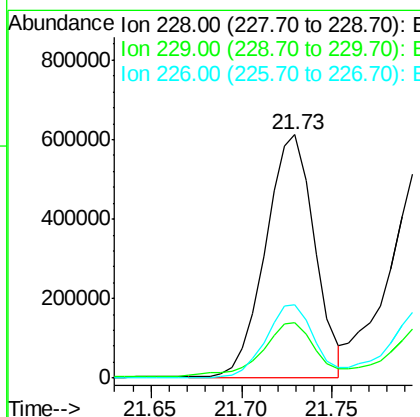
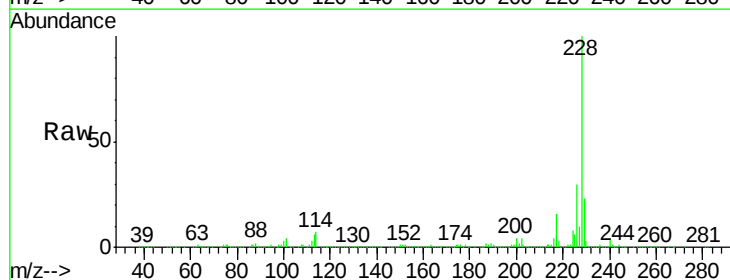
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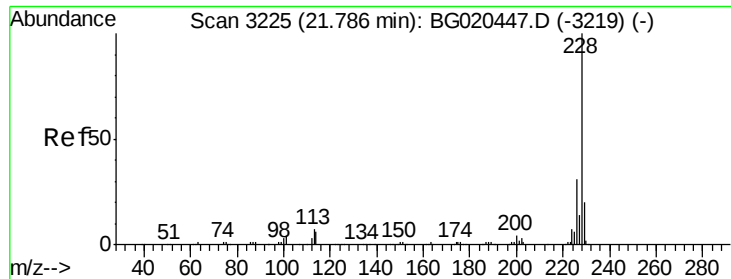
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#83
Benzo(a)anthracene
Concen: 112.51 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	30.3	21.8	32.6





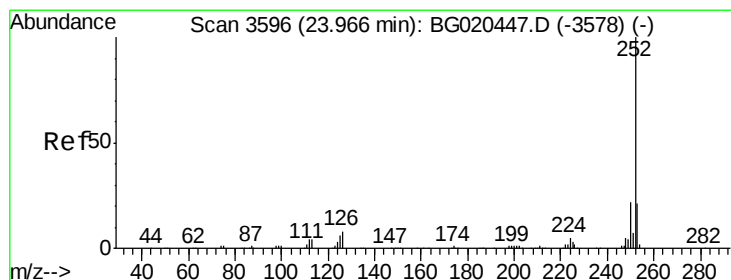
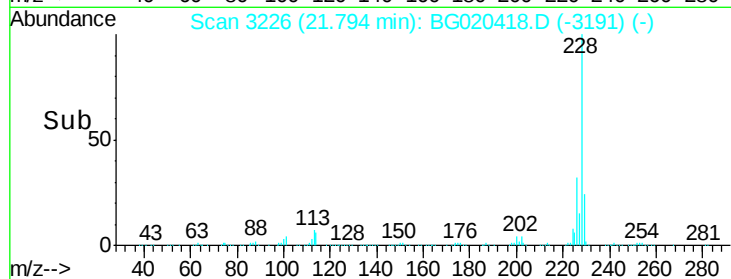
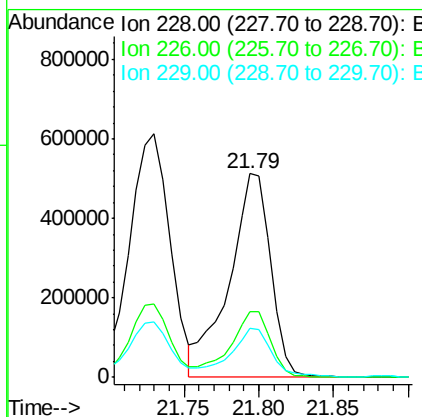
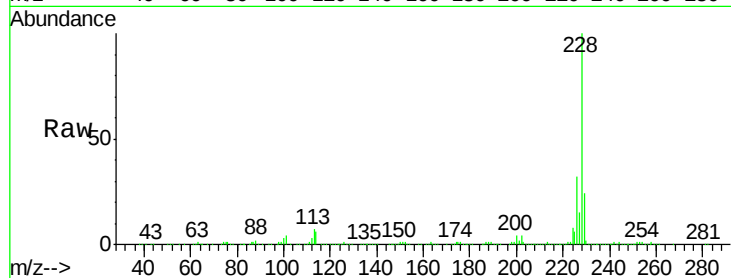
#85
Chrysene
Concen: 103.13 ng/ul m
RT: 21.79 min Scan# 3226
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	23.9	15.6	23.4

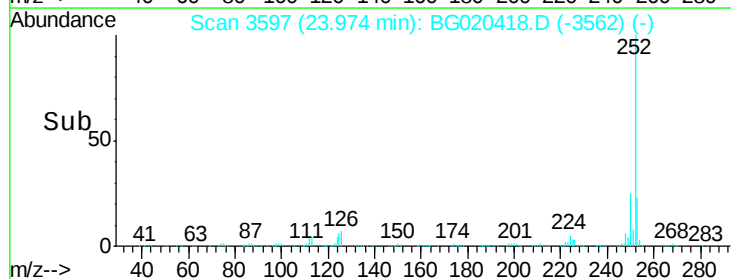
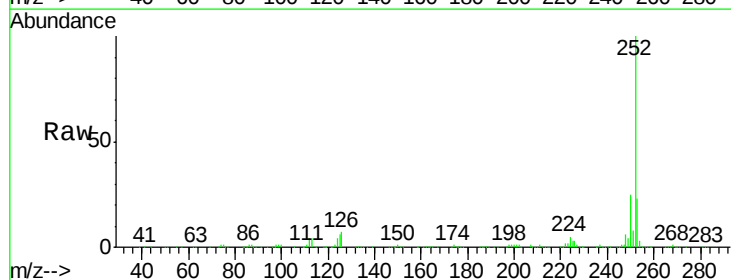
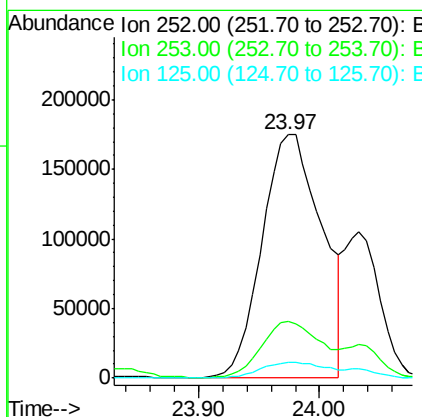
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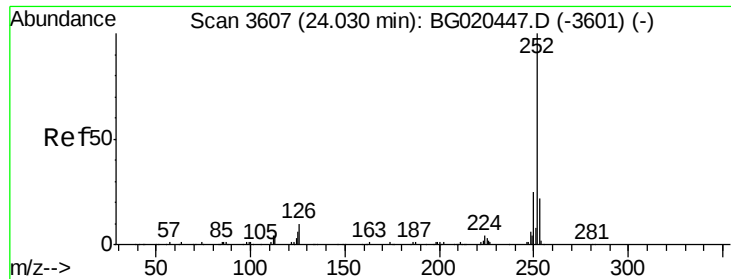
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#88
Benzo(b)fluoranthene
Concen: 58.06 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.7	25.1
125	6.3	6.2	9.2





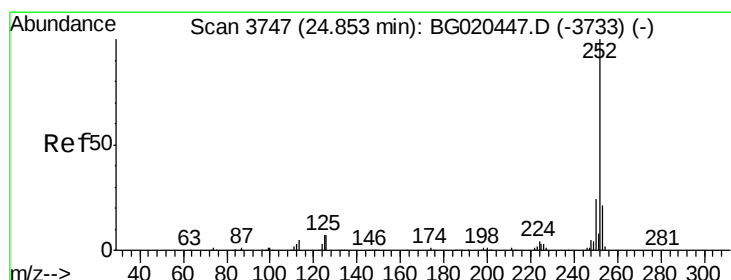
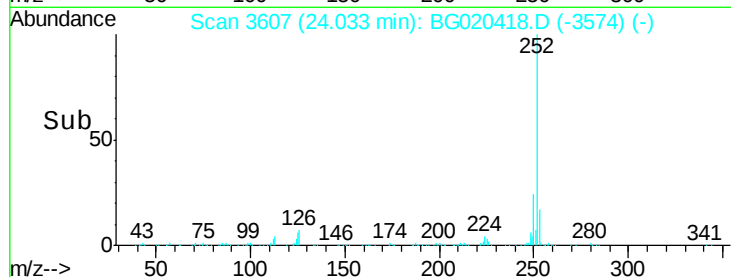
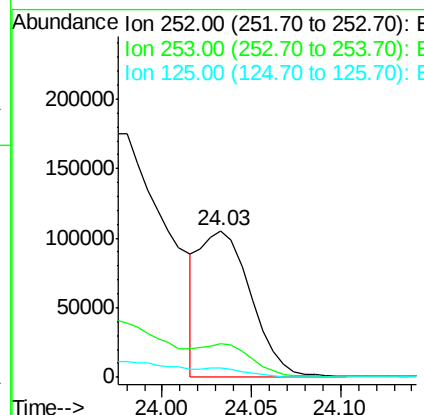
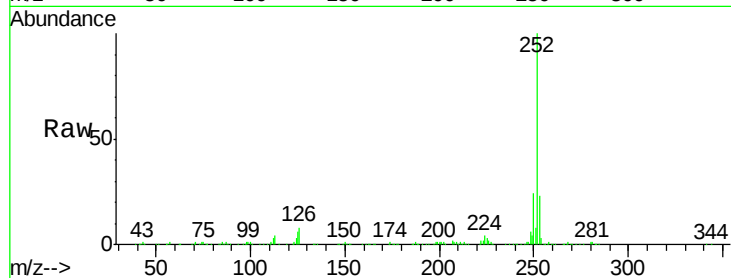
#89
Benzo(k)fluoranthene
Concen: 21.46 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	6.1	5.8	8.6

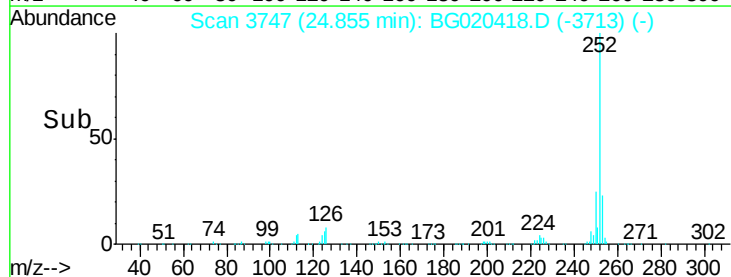
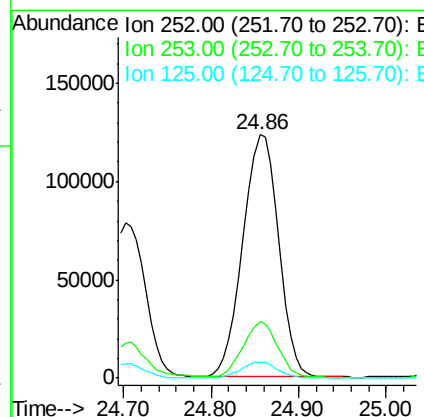
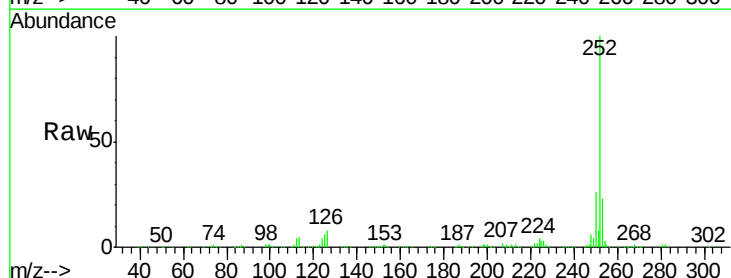
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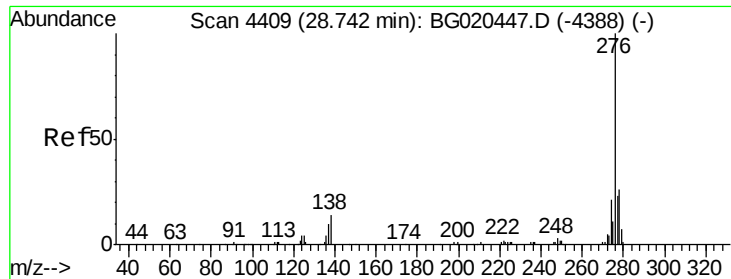
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#91
Benzo(a)pyrene
Concen: 35.07 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	6.5	6.2	9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 9.12 ng/ul

RT: 28.73 min Scan# 4406

Delta R.T. -0.01 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Instrument :

BNA_G

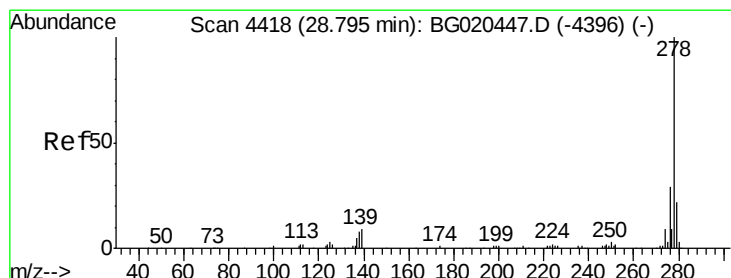
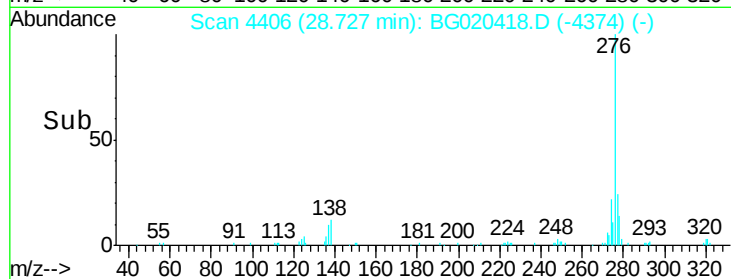
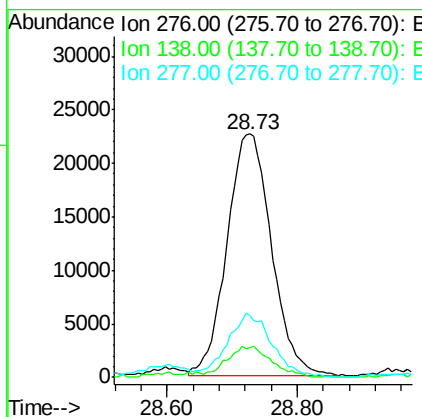
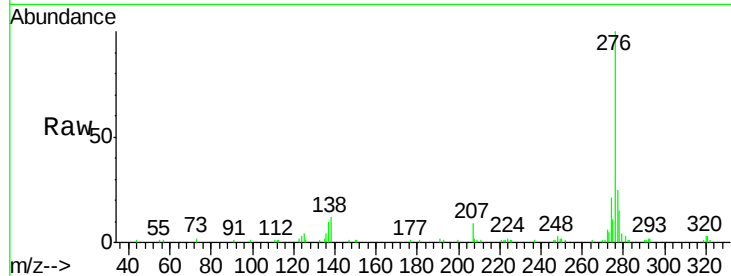
ClientSampleId :

D9N44ME

Tot Ion:	276	Resp:	106224
Ion Ratio		Lower	Upper
276	100		
138	12.1	11.4	17.0
277	25.3	17.4	26.0

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#93

Dibenzo(a,h)anthracene

Concen: 3.15 ng/ul m

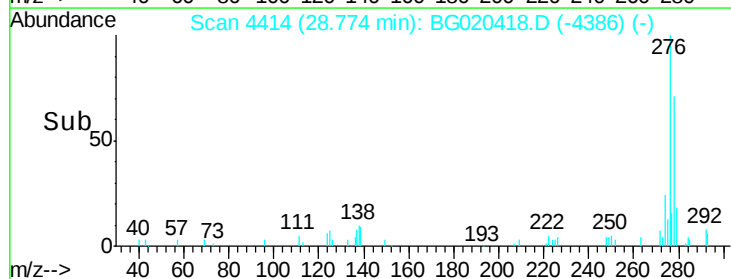
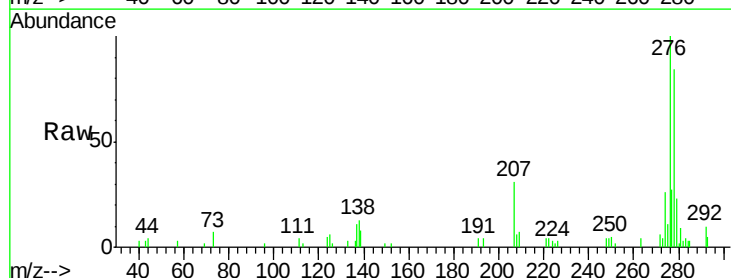
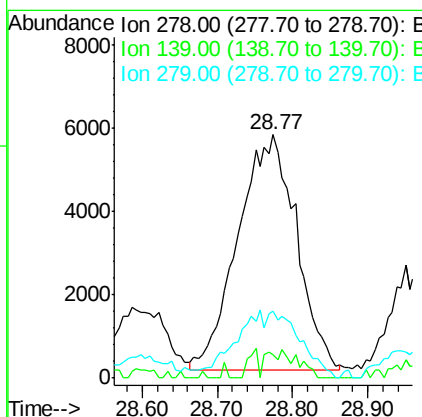
RT: 28.77 min Scan# 4414

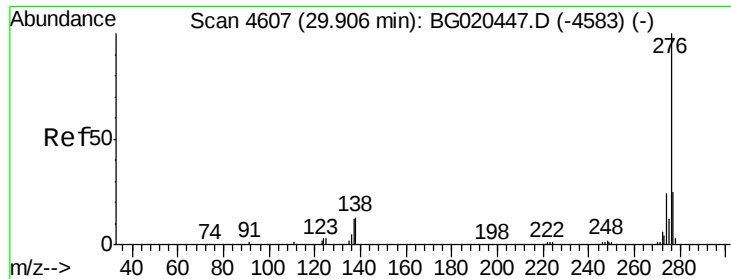
Delta R.T. -0.03 min

Lab File: BG020418.D

Acq: 22 Dec 2015 20:52

Tgt Ion:	278	Resp:	30492
Ion Ratio		Lower	Upper
278	100		
139	9.4	9.4	14.2#
279	27.5	19.4	29.0





#94
 Benzo(a,h,i)perylene
 Concen: 8.30 ng/ul
 RT: 29.90 min Scan# 4605
 Delta R.T. -0.01 min
 Lab File: BG020418.D
 Acq: 22 Dec 2015 20:52

Instrument :
 BNA_G
 ClientSampleId :
 D9N44ME

Tot Ion:	276	Resp:	79247
Ion Ratio	Lower	Upper	
276	100		
138	10.9	10.8	16.2
277	22.6	19.9	29.9

Manual Integrations
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