

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
 Data File : BG020496.D
 Acq On : 25 Dec 2015 6:22
 Operator : UM/SJ
 Sample : G4846-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:03:51 PM

Quant Time: Dec 25 23:26:20 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 25 03:27:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	52760	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	244138	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.72	164	164269	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	386160	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	481007	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	470766	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	483	0.50	ng/uL	0.00
5) Phenol-d5	7.24	99	13400	3.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	34972	13.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	37413	11.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	26239	7.37	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	26273	13.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	30701	14.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	51310	12.18	ng/ul	0.02
29) 4-Chloroaniline-d4	11.03	131	2534	0.53	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	180177	13.31	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	214729	13.69	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	6652	2.95	ng/ul	0.00
58) Fluorene-d10	15.71	176	163670	13.37	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	28321	11.07	ng/ul	0.02
71) Anthracene-d10	17.56	188	252867	13.98	ng/ul	0.00
79) Pyrene-d10	19.84	212	292304	14.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	340548	14.31	ng/ul	0.00

Target Compounds

						Ovalue
11) 2-Methylphenol	8.53	108	12204	3.57	ng/ul	89
14) Acetophenone	8.91	105	8835	1.55	ng/ul#	94
16) 4-Methylphenol	8.85	108	17462	4.70	ng/ul	87
24) 2,4-Dimethylphenol	10.07	107	55746m	11.42	ng/ul	
28) Naphthalene	11.03	128	8113716	625.18	ng/ul#	47
34) 2-Methylnaphthalene	12.57	142	1495399	155.73	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	527950	41.64	ng/ul	97
48) Acenaphthylene	14.44	152	274705	16.66	ng/ul	98
50) Acenaphthene	14.80	153	2041656	183.15	ng/ul	92
54) Dibenzofuran	15.12	168	1626355	98.06	ng/ul	91
59) Fluorene	15.78	166	1296448	96.46	ng/ul	98
70) Phenanthrene	17.52	178	2222990m	103.46	ng/ul	
72) Anthracene	17.60	178	207135m	9.43	ng/ul	
75) Carbazole	17.89	167	2428103	131.14	ng/ul#	84
77) Fluoranthene	19.51	202	410978	15.21	ng/ul	98
80) Pyrene	19.87	202	239084	8.79	ng/ul	97

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

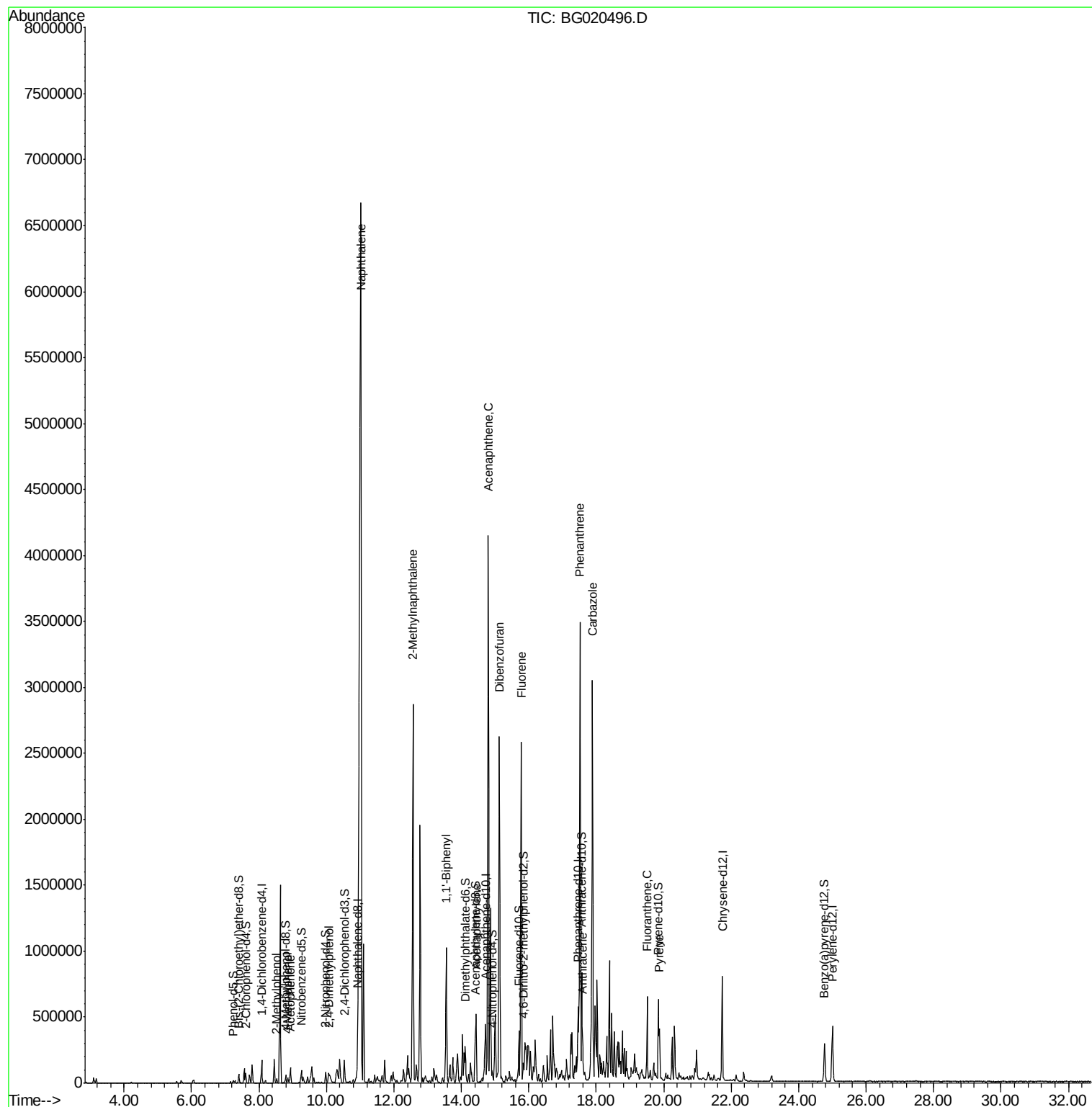
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020496.D
Acq On : 25 Dec 2015 6:22
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Sample : G4846-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

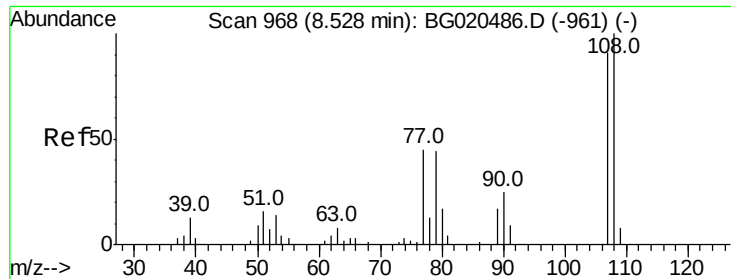
Instrument :
BNA_G
ClientSampleId :
D9N50

Manual Integrations
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12/28/2015 6:03:51 PM

Quant Time: Dec 25 23:26:20 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





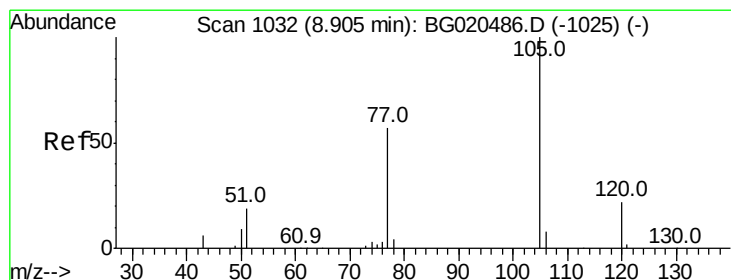
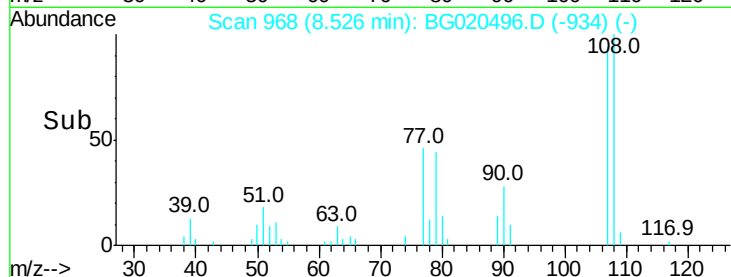
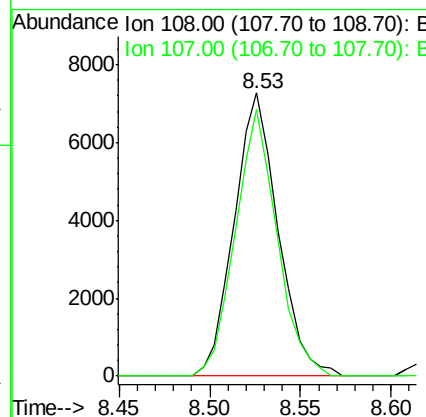
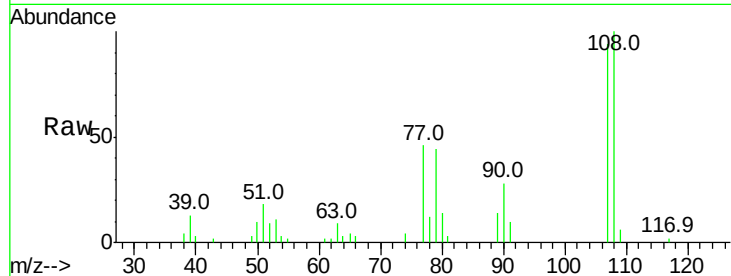
#11
2-Methylphenol
Concen: 3.57 ng/ul
RT: 8.53 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG020496.D
Acq: 25 Dec 2015 6:22

Instrument :
BNA_G
ClientSampled :
D9N50

Tot Ion	Ratio	Lower	Upper
108	100		
107	94.4	67.5	101.3

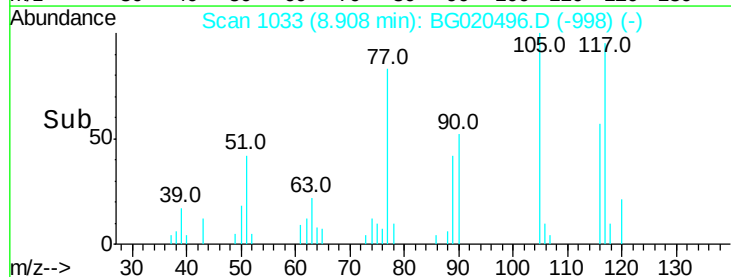
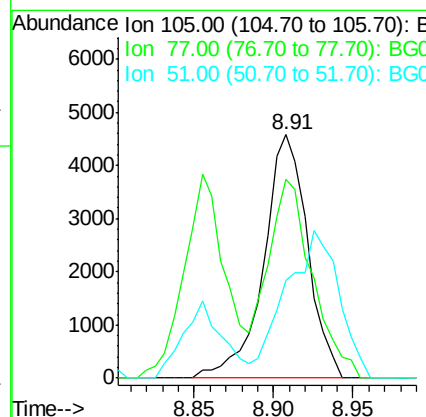
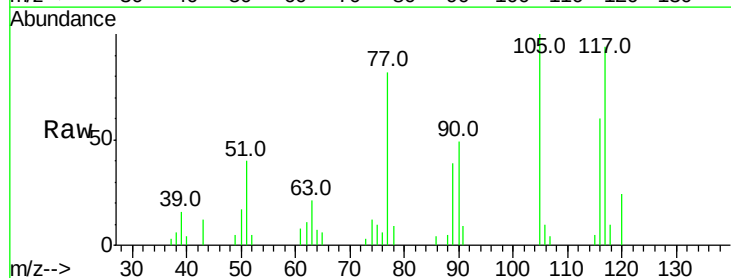
Manual Integrations
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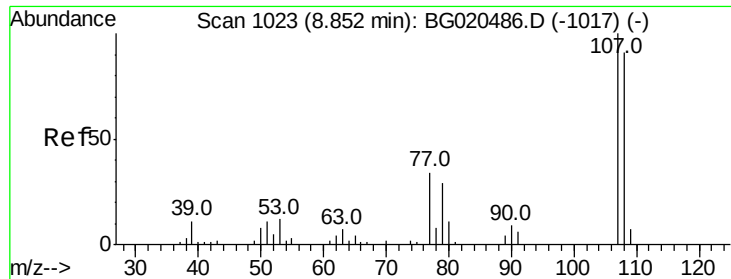
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#14
Acetophenone
Concen: 1.55 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BG020496.D
Acq: 25 Dec 2015 6:22

Tgt Ion	Ratio	Lower	Upper
105	100		
77	81.9	65.2	97.8
51	39.9	22.6	33.8





#16

4-Methylphenol

Concen: 4.70 ng/ul

RT: 8.85 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:108 Resp: 17462

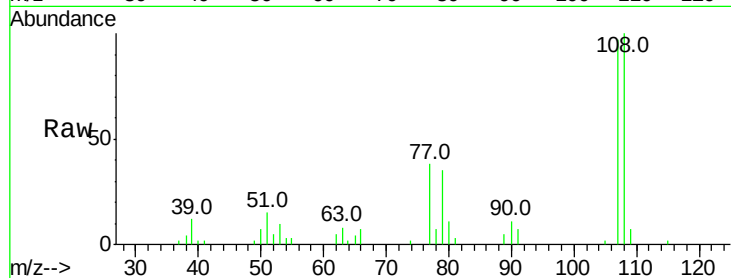
Ion Ratio Lower Upper

108 100

107 97.3 88.9 133.3

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.85

10000

8000

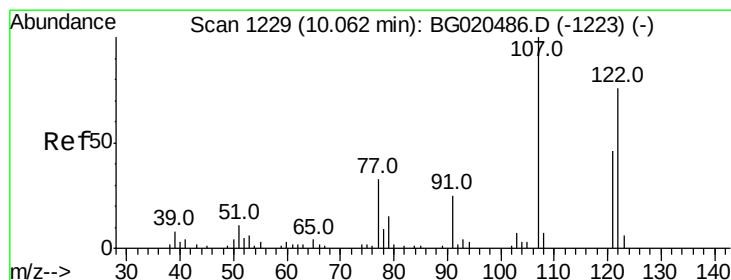
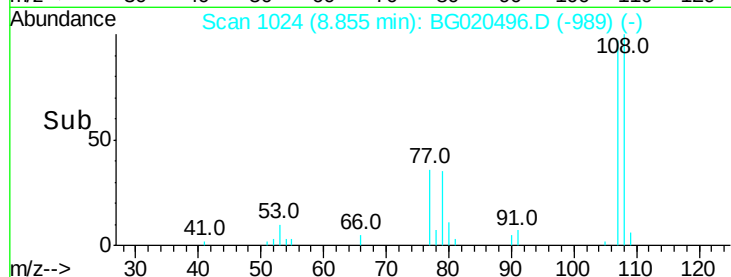
6000

4000

2000

0

Time-->



#24

2,4-Dimethylphenol

Concen: 11.42 ng/ul m

RT: 10.07 min Scan# 1231

Delta R.T. 0.01 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

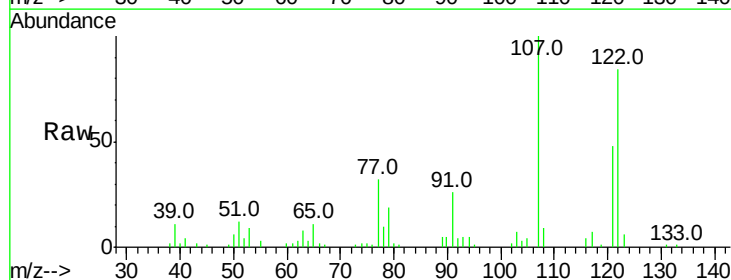
Tgt Ion:107 Resp: 55746

Ion Ratio Lower Upper

107 100

121 48.2 39.0 58.4

122 84.0 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

20000

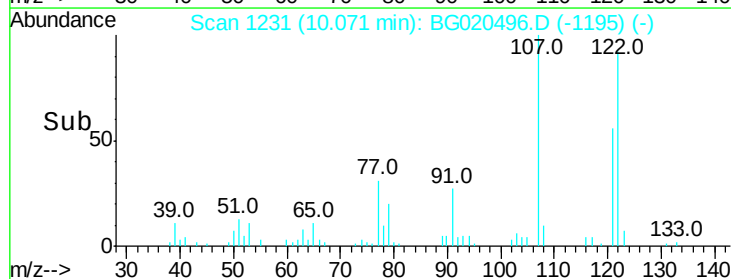
15000

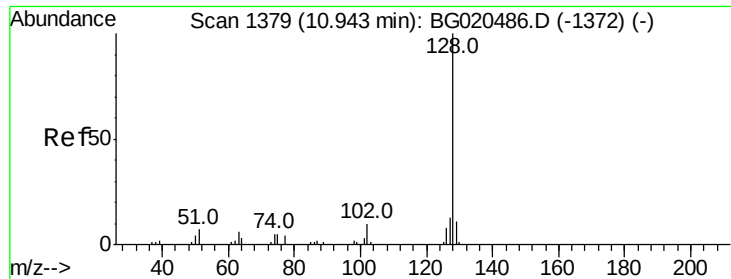
10000

5000

0

Time-->





#28

Naphthalene

Concen: 625.18 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. 0.09 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:128 Resp: 8113716

Ion Ratio Lower Upper

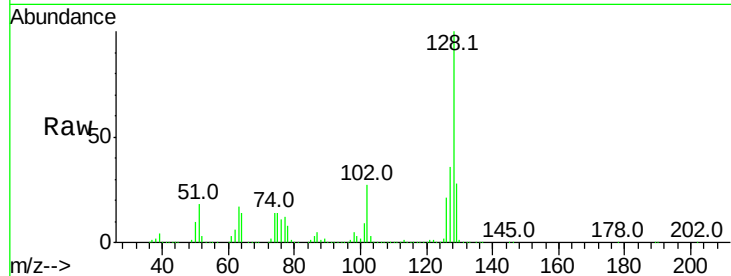
128 100

129 28.3 8.6 12.8#

127 35.5 10.1 15.1#

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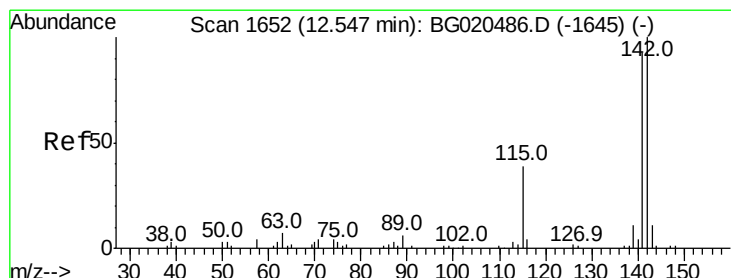
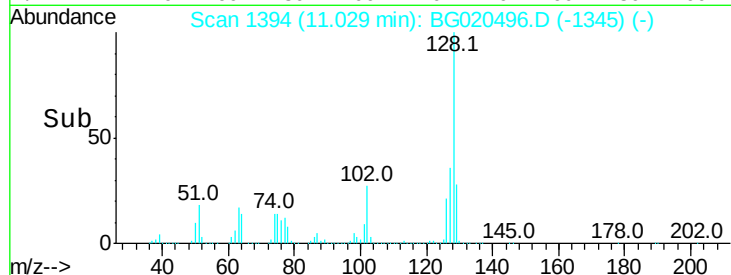
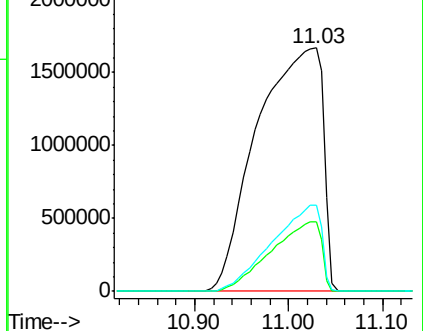
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 155.73 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BG020496.D

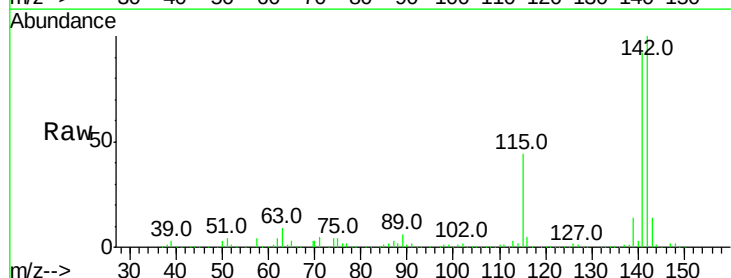
Acq: 25 Dec 2015 6:22

Tgt Ion:142 Resp: 1495399

Ion Ratio Lower Upper

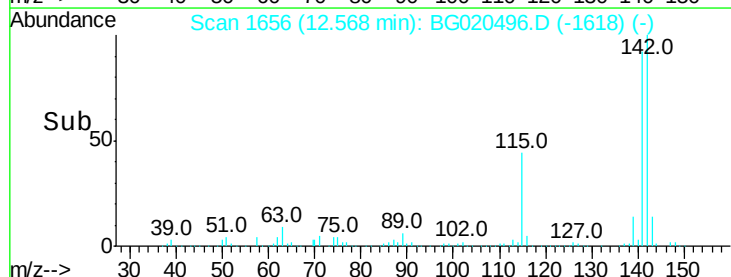
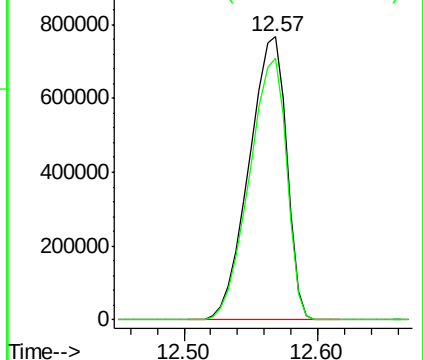
142 100

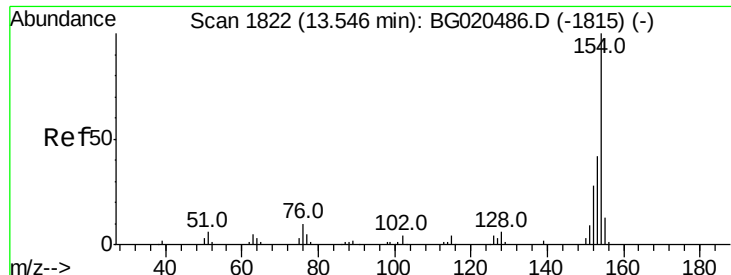
141 92.4 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





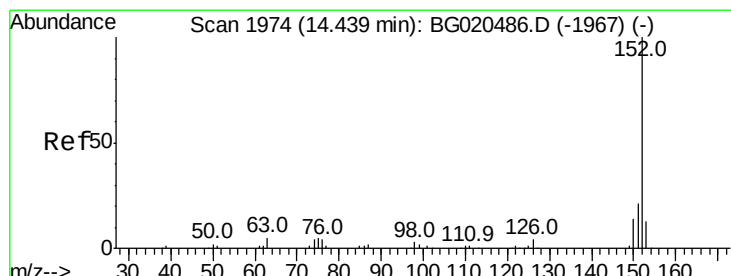
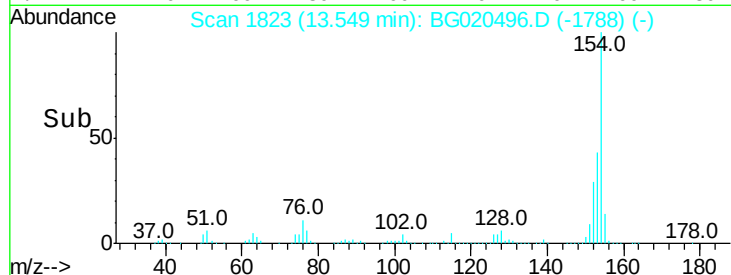
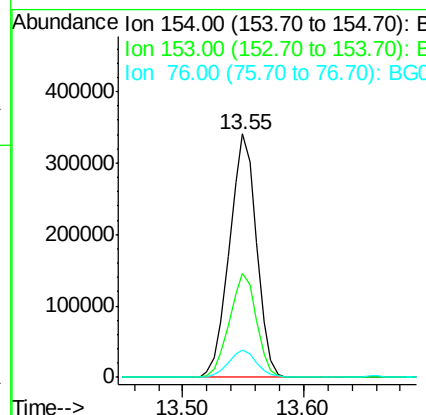
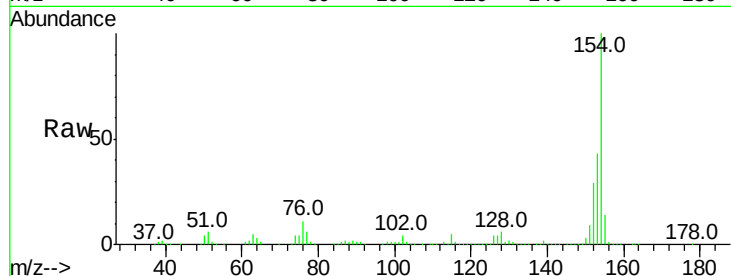
#41
 1,1'-Biphenyl
 Concen: 41.64 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020496.D
 Acq: 25 Dec 2015 6:22

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Tot Ion:	154	Resp:	527950
Ion Ratio	Lower	Upper	
154	100		
153	42.6	35.5	53.3
76	11.2	10.4	15.6

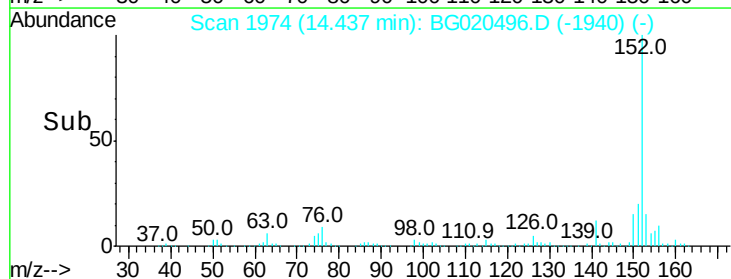
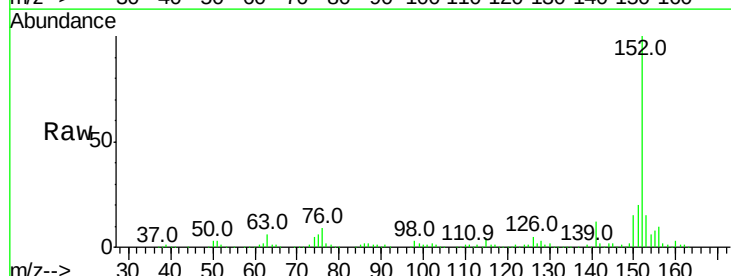
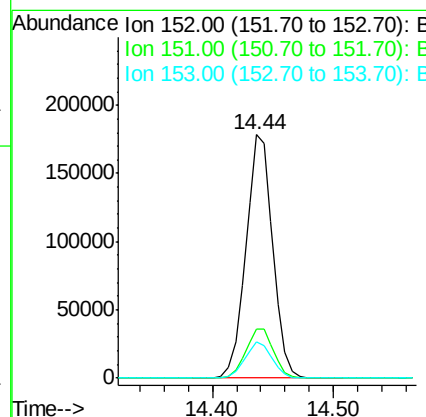
Manual Integrations
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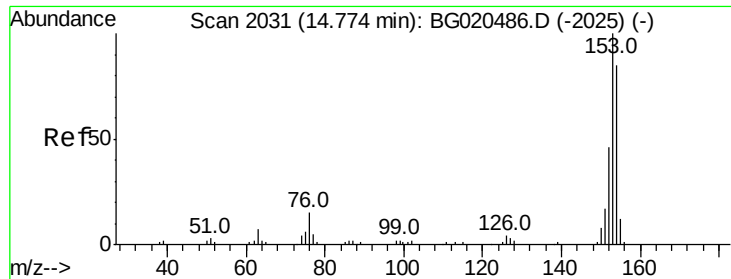
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#48
 Acenaphthylene
 Concen: 16.66 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG020496.D
 Acq: 25 Dec 2015 6:22

Tgt Ion:	152	Resp:	274705
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.4	24.6
153	14.8	10.4	15.6





#50

Acenaphthene

Concen: 183.15 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.03 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:153 Resp: 2041656

Ion Ratio Lower Upper

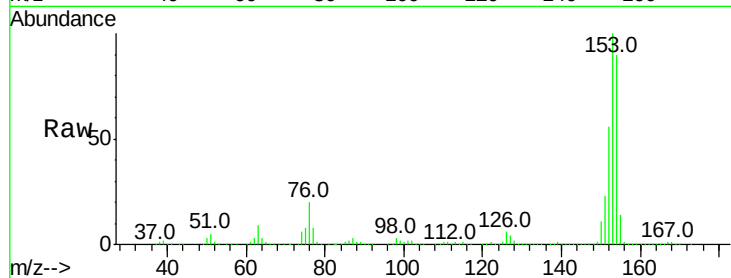
153 100

152 55.8 37.6 56.4

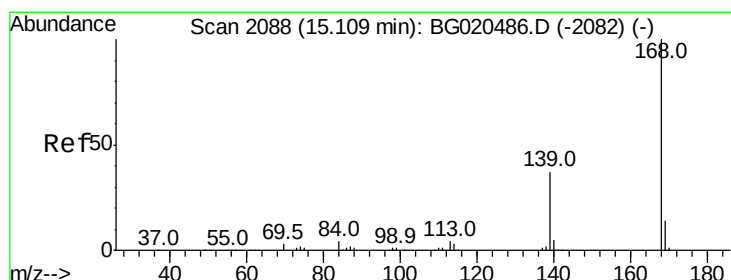
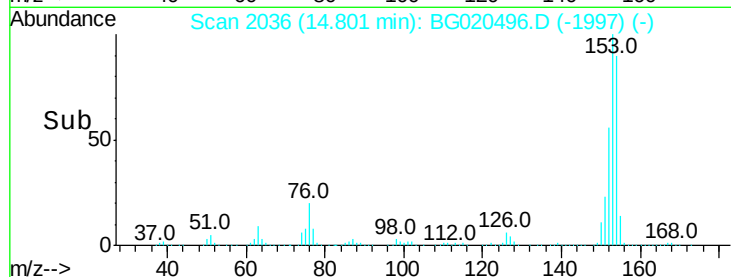
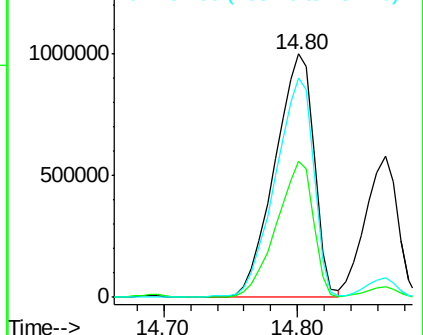
154 90.3 67.9 101.9

Manual Integrations
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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



#54

Dibenzofuran

Concen: 98.06 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.02 min

Lab File: BG020496.D

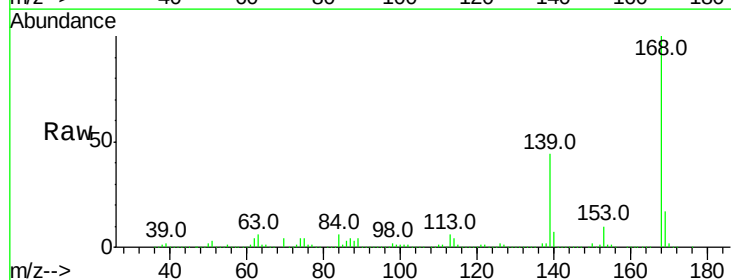
Acq: 25 Dec 2015 6:22

Tgt Ion:168 Resp: 1626355

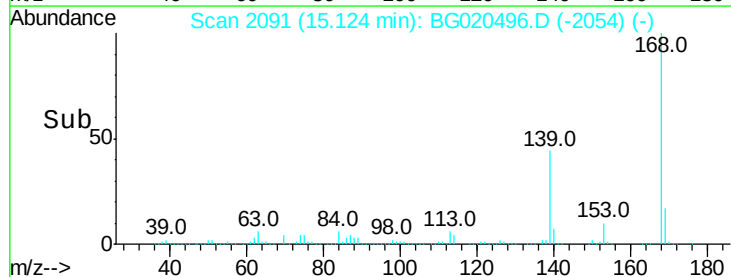
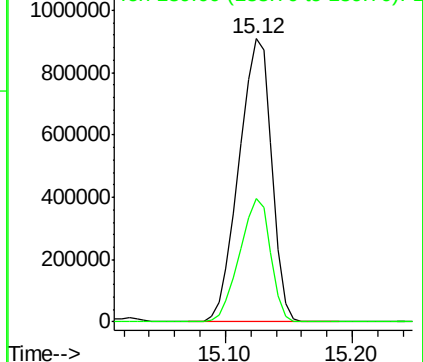
Ion Ratio Lower Upper

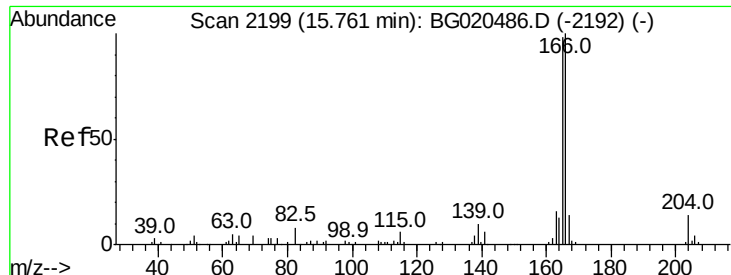
168 100

139 43.7 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 96.46 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.02 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:166 Resp: 1296448

Ion Ratio Lower Upper

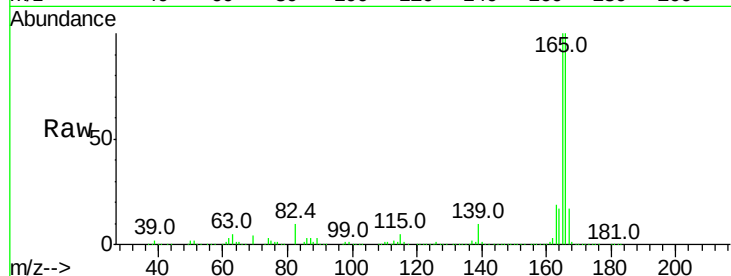
166 100

165 100.1 81.4 122.0

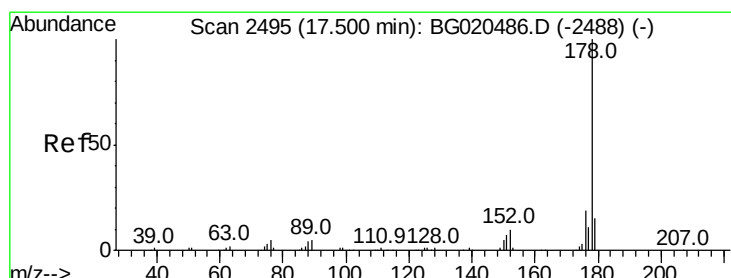
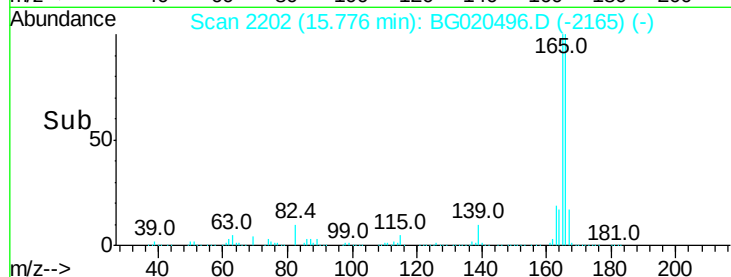
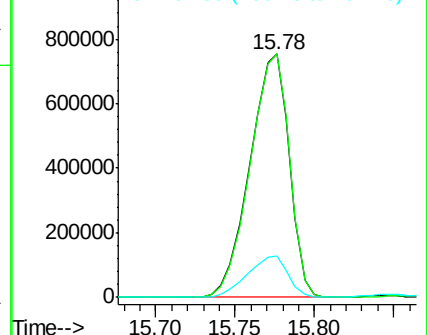
167 16.8 11.2 16.8

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 103.46 ng/ul m

RT: 17.52 min Scan# 2499

Delta R.T. 0.02 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

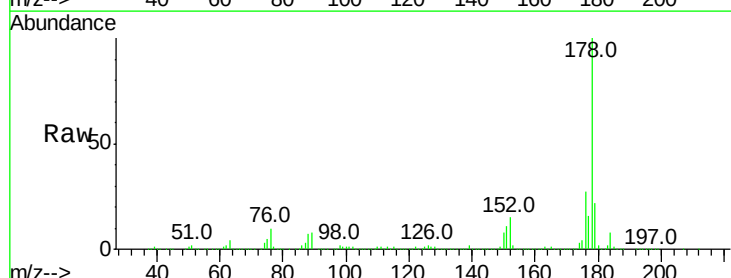
Tgt Ion:178 Resp: 2222990

Ion Ratio Lower Upper

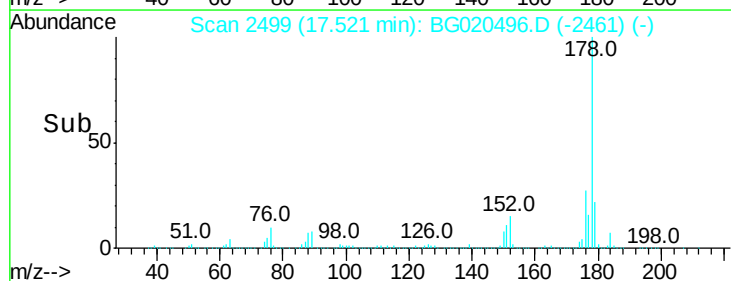
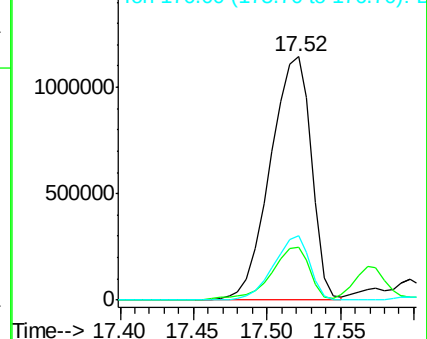
178 100

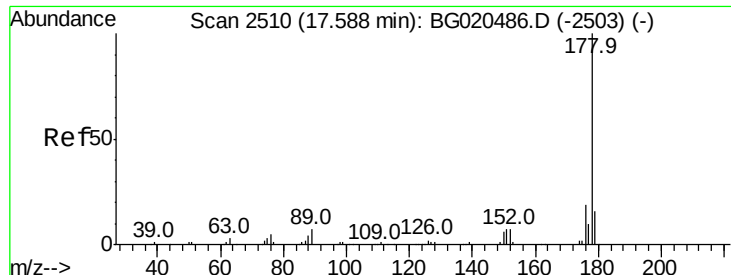
179 22.0 12.9 19.3#

176 26.7 15.3 22.9#



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

Anthracene

Concen: 9.43 ng/ul m

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

ClientSampled :

D9N50

Tot Ion:178 Resp: 207135

Ion Ratio Lower Upper

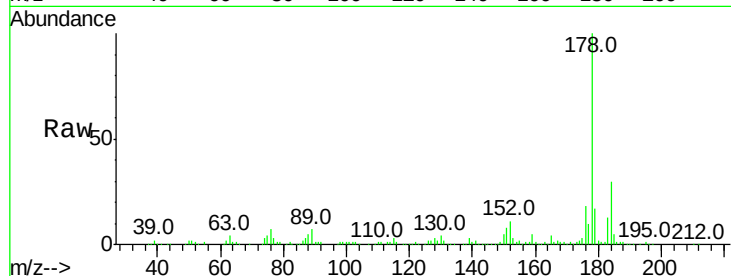
178 100

179 17.1 12.3 18.5

176 17.6 14.3 21.5

Manual Integrations
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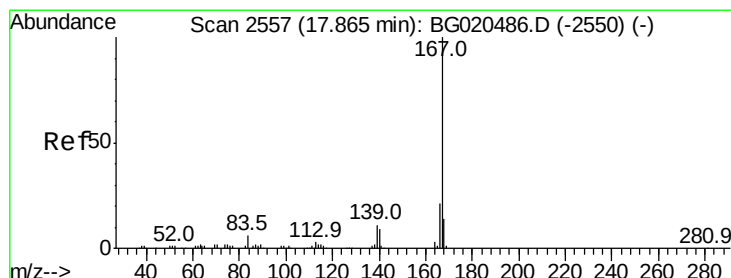
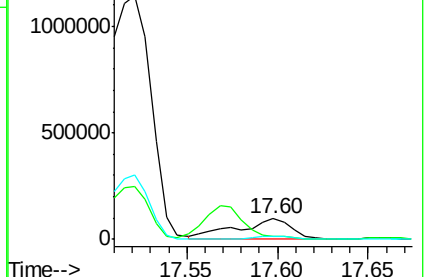
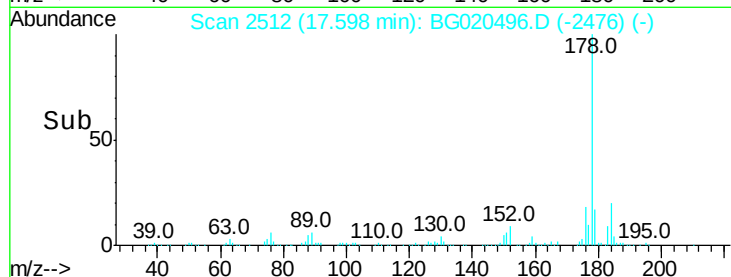
Sohil
12/28/2015 6:03:51 PM



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: 131.14 ng/ul

RT: 17.89 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

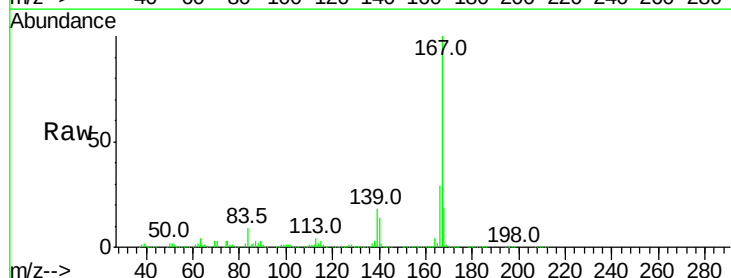
Tgt Ion:167 Resp: 2428103

Ion Ratio Lower Upper

167 100

166 29.4 17.0 25.6#

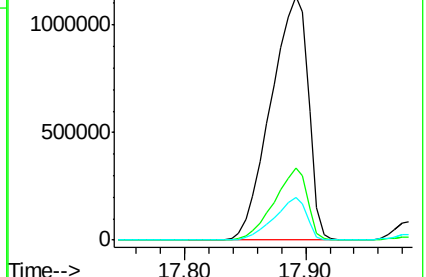
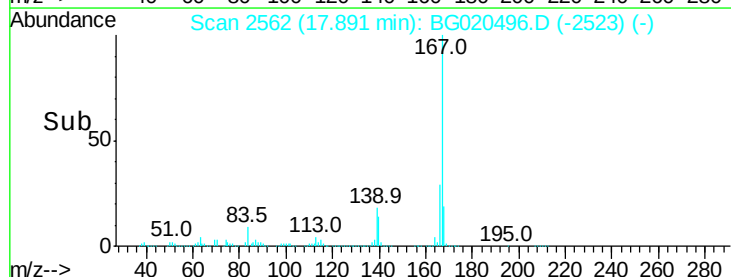
139 17.6 10.1 15.1#

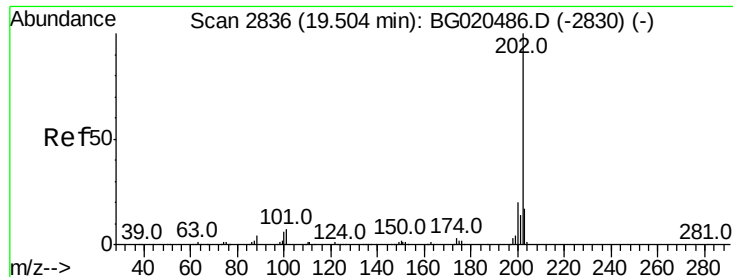


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 15.21 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Instrument :

BNA_G

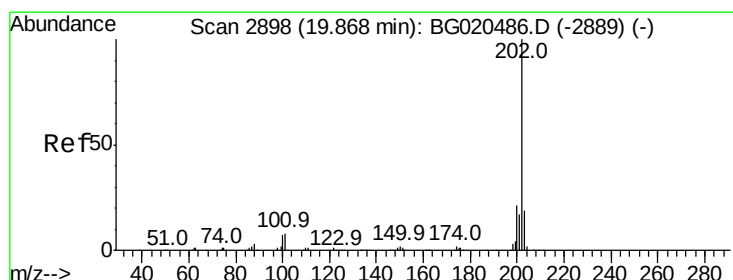
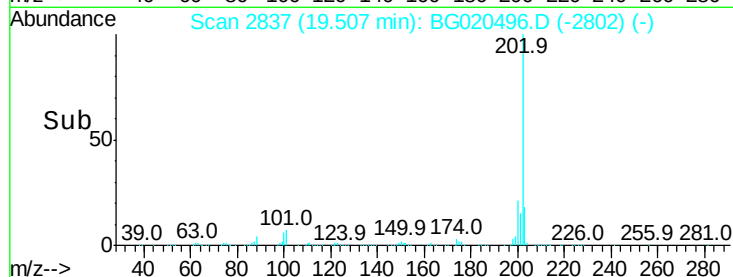
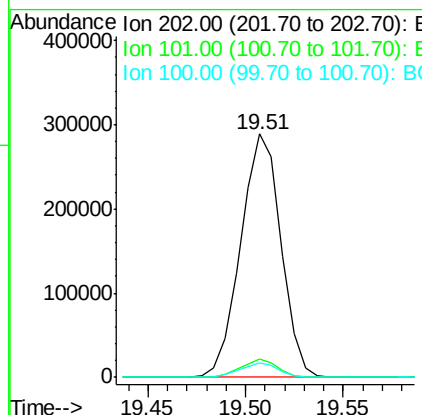
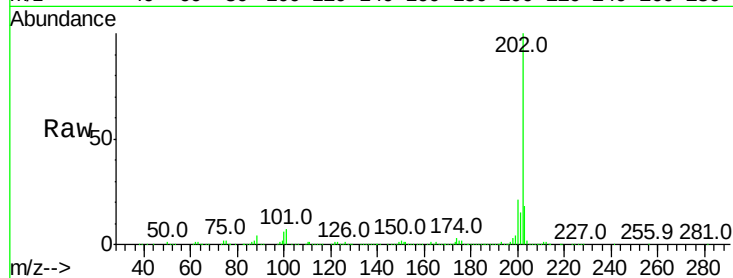
ClientSampleId :

D9N50

Tot Ion:	202	Resp:	410978
Ion Ratio	Lower	Upper	
202	100		
101	7.3	6.2	9.4
100	5.8	5.1	7.7

Manual Integrations
APPROVED

Sohil
12/28/2015 6:03:51 PM



#80

Pyrene

Concen: 8.79 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG020496.D

Acq: 25 Dec 2015 6:22

Tgt Ion:	202	Resp:	239084
Ion Ratio	Lower	Upper	
202	100		
101	8.4	7.0	10.4
100	6.5	6.4	9.6

