

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020602.D
 Acq On : 30 Dec 2015 10:42
 Operator : UM/SJ
 Sample : G4846-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:33:05 PM

Quant Time: Dec 30 13:08:59 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 30 08:00:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22899	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	108636	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.70	164	71229	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	160471	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	198108	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	188264	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	551	1.44	ng/uL	0.00
5) Phenol-d5	7.22	99	14687	7.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	39177	33.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	40356	27.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	28539	17.20	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	28748	34.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	33851	34.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	54911	29.67	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	5672	2.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	189822	32.56	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	224849	33.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6469	7.08	ng/ul	0.00
58) Fluorene-d10	15.69	176	173446	32.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	31135	31.99	ng/ul	0.01
71) Anthracene-d10	17.55	188	262057	35.05	ng/ul	0.00
79) Pyrene-d10	19.83	212	307156	34.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	353282	37.61	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.25	94	3205	1.54	ng/ul#	84
11) 2-Methylphenol	8.51	108	13220	8.23	ng/ul	97
14) Acetophenone	8.89	105	9530	3.51	ng/ul#	92
16) 4-Methylphenol	8.84	108	18848	10.61	ng/ul	92
24) 2,4-Dimethylphenol	10.05	107	60047m	27.74	ng/ul	
28) Naphthalene	11.01	128	8401011	1460.26	ng/ul#	48
34) 2-Methylnaphthalene	12.55	142	1572667	365.33	ng/ul	96
41) 1,1'-Biophenyl	13.53	154	560817	104.64	ng/ul	98
48) Acenaphthylene	14.42	152	292396	41.46	ng/ul	98
50) Acenaphthene	14.79	153	2107304	441.58	ng/ul#	93
54) Dibenzofuran	15.11	168	1687559	234.00	ng/ul	92
59) Fluorene	15.76	166	1345038	231.86	ng/ul	98
70) Phenanthrene	17.51	178	2270030m	260.20	ng/ul	
72) Anthracene	17.58	178	214972m	24.09	ng/ul	
75) Carbazole	17.88	167	2492631	331.03	ng/ul#	83
77) Fluoranthene	19.49	202	421304	39.53	ng/ul	99
80) Pyrene	19.86	202	248323	21.64	ng/ul	99

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

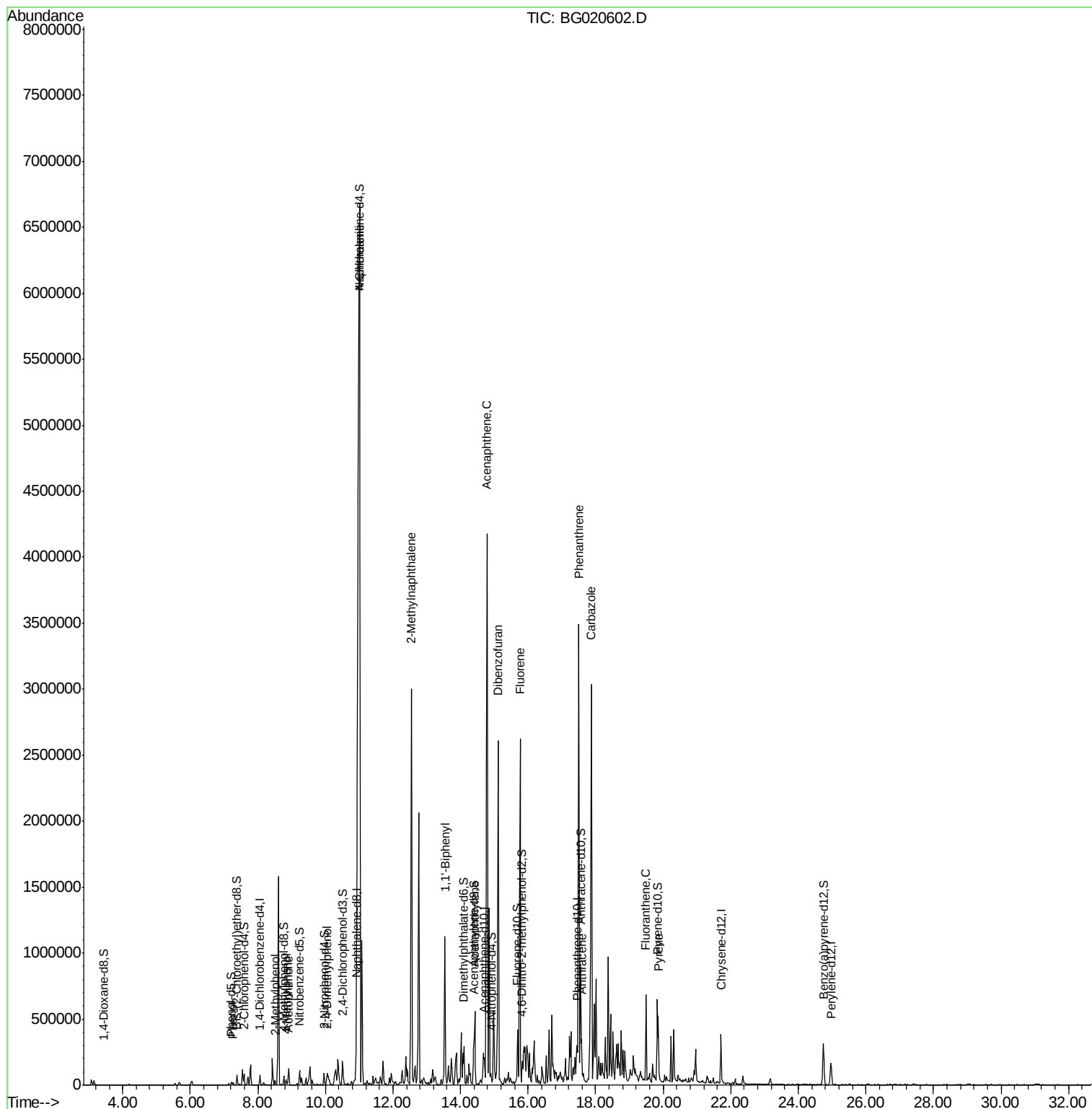
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

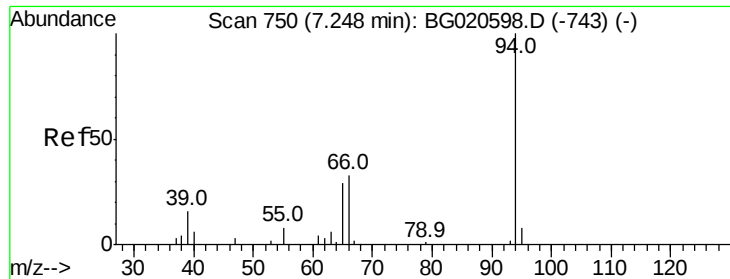
Instrument :
BNA_G
ClientSampleId :
D9N50

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 08:00:55 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.54 ng/ul

RT: 7.25 min Scan# 750

Delta R.T. 0.00 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion: 94 Resp: 3205

Ion Ratio Lower Upper

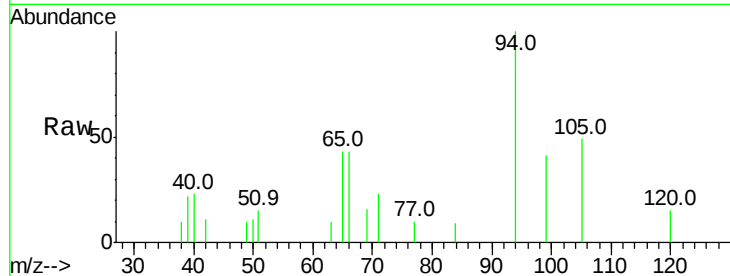
94 100

65 42.7 23.0 34.6#

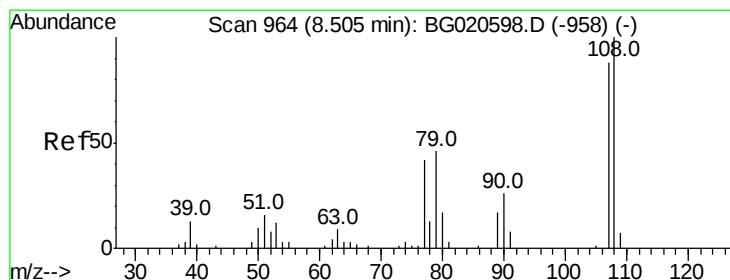
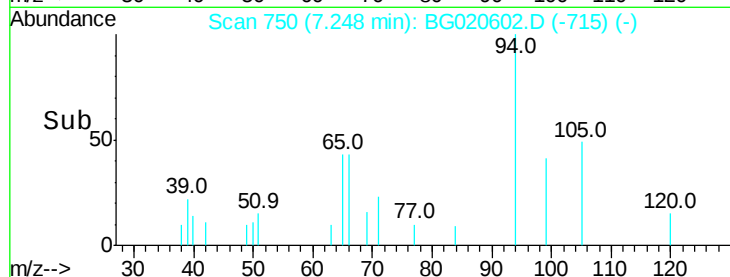
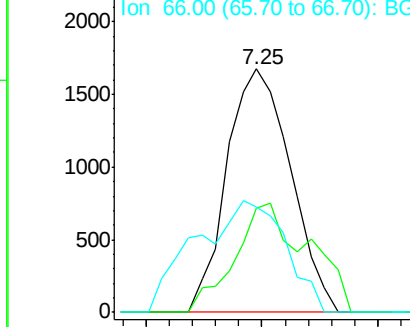
66 43.1 30.4 45.6

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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

2-Methylphenol

Concen: 8.23 ng/ul

RT: 8.51 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG020602.D

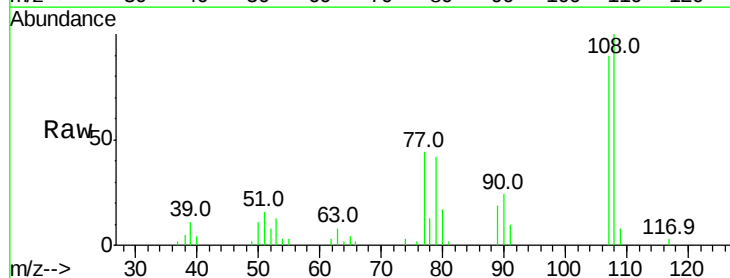
Acq: 30 Dec 2015 10:42

Tgt Ion: 108 Resp: 13220

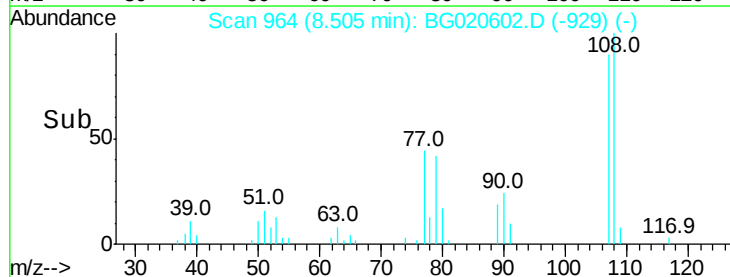
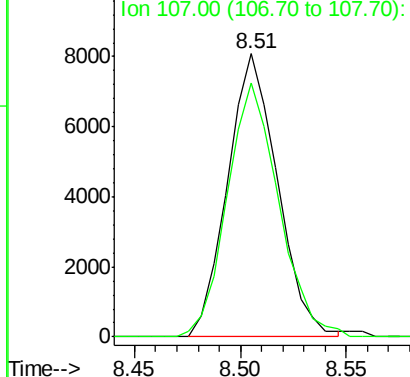
Ion Ratio Lower Upper

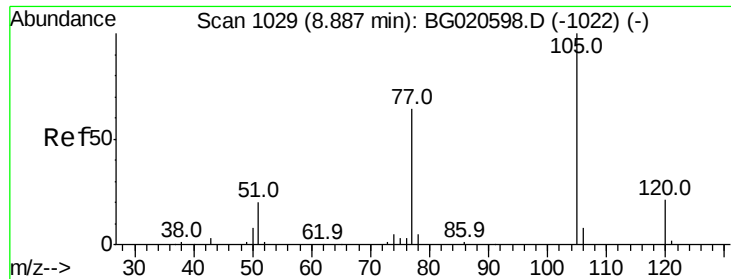
108 100

107 89.6 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





#14

Acetophenone

Concen: 3.51 ng/ul

RT: 8.89 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Instrument :

BNA_G

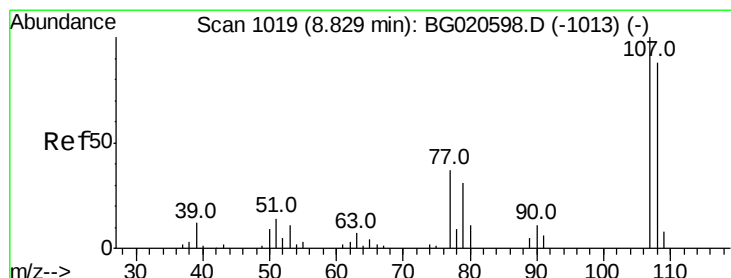
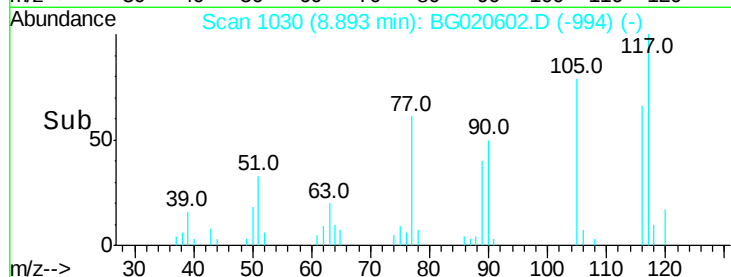
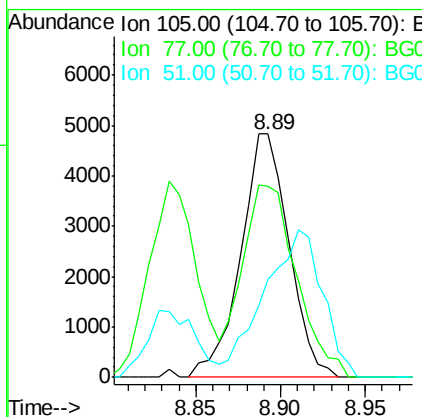
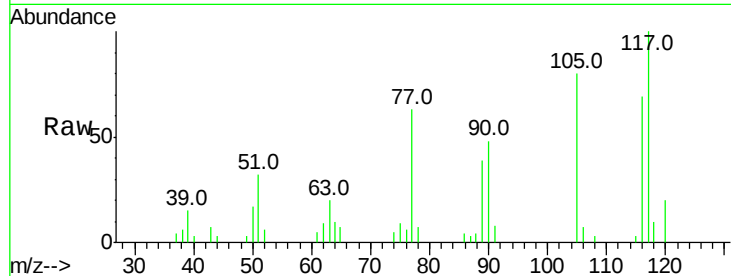
ClientSampled :

D9N50

Tot Ion:	105	Resp:	9530
Ion Ratio	Lower	Upper	
105	100		
77	78.3	63.2	94.8
51	40.4	19.8	29.8

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#16

4-Methylphenol

Concen: 10.61 ng/ul

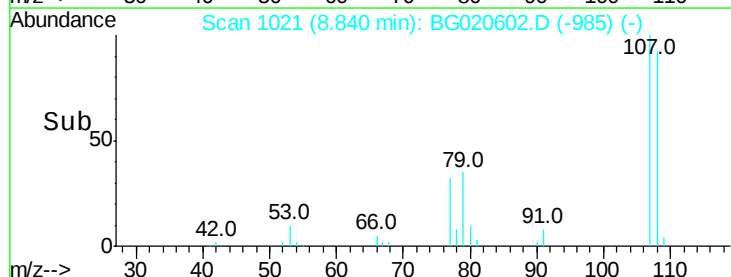
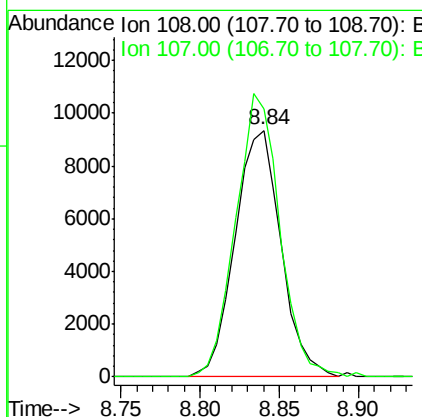
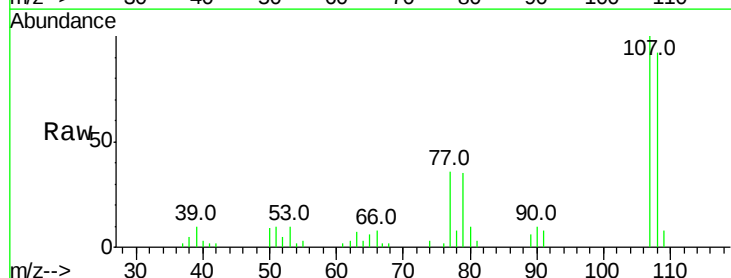
RT: 8.84 min Scan# 1021

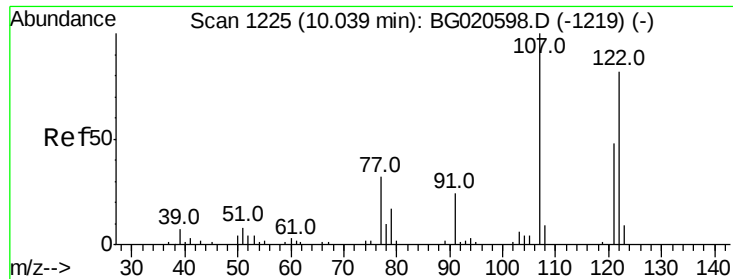
Delta R.T. 0.01 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Tgt Ion:	108	Resp:	18848
Ion Ratio	Lower	Upper	
108	100		
107	108.6	93.6	140.4





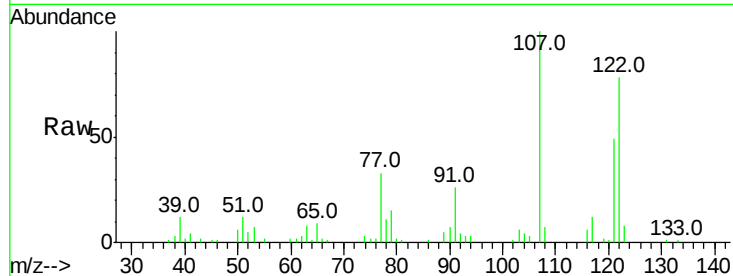
#24
2,4-Dimethylphenol
Concen: 27.74 ng/ul m
RT: 10.05 min Scan# 1227
Delta R.T. 0.01 min
Lab File: BG020602.D
Acq: 30 Dec 2015 10:42

Instrument :
BNA_G
ClientSampled :
D9N50

Tot Ion	Ratio	Lower	Upper
107	100		
121	49.1	38.1	57.1
122	78.4	63.8	95.8

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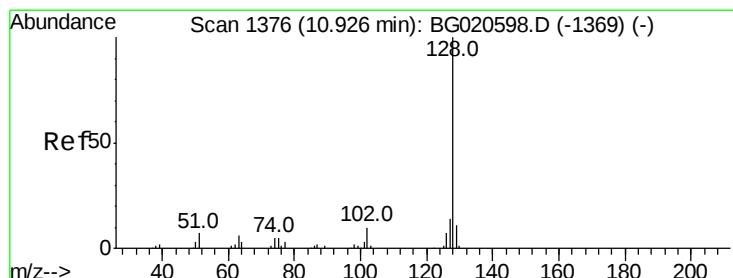
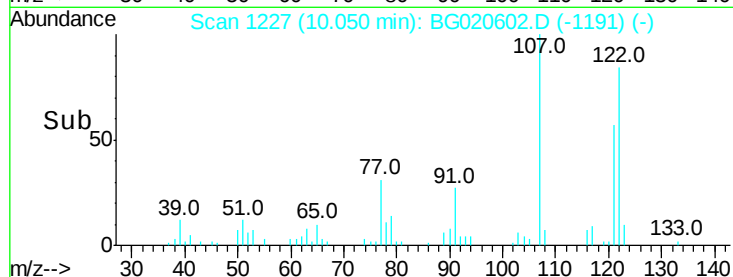
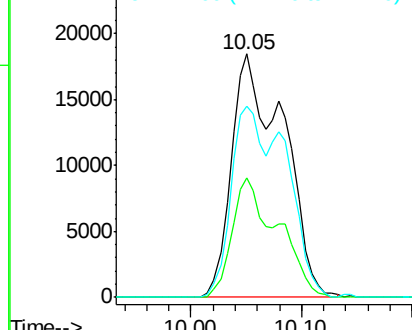


Abundance

Ion 107.00 (106.70 to 107.70): E

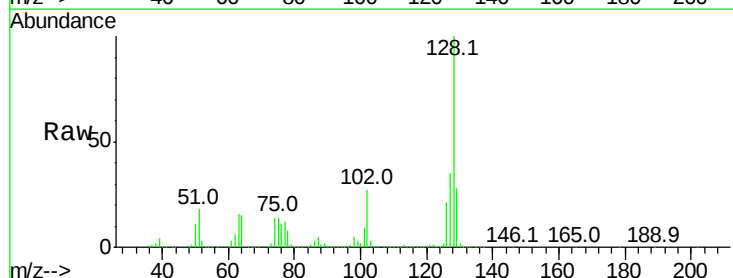
Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28
Naphthalene
Concen: 1460.26 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.08 min
Lab File: BG020602.D
Acq: 30 Dec 2015 10:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	28.5	8.3	12.5#
127	35.2	10.8	16.2#

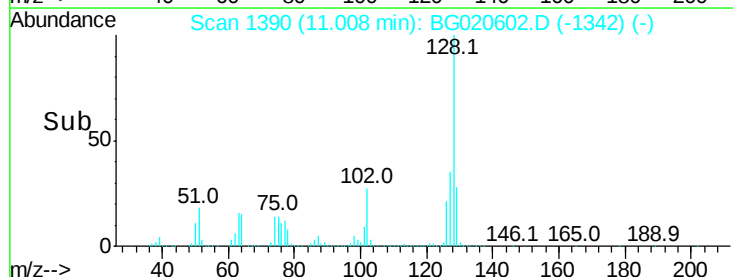
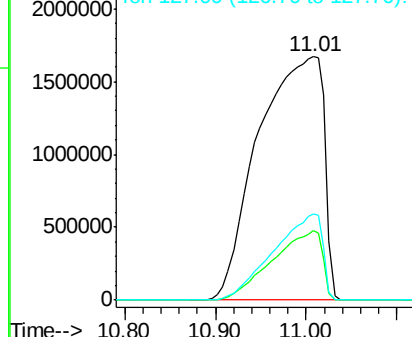


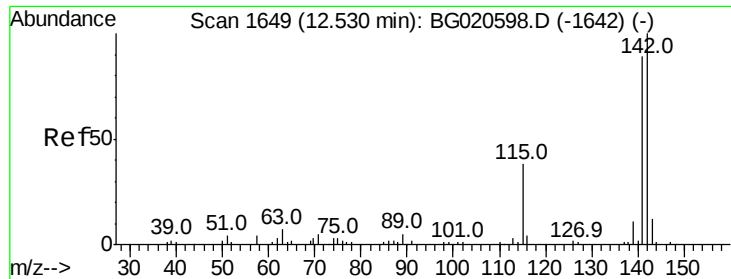
Abundance

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





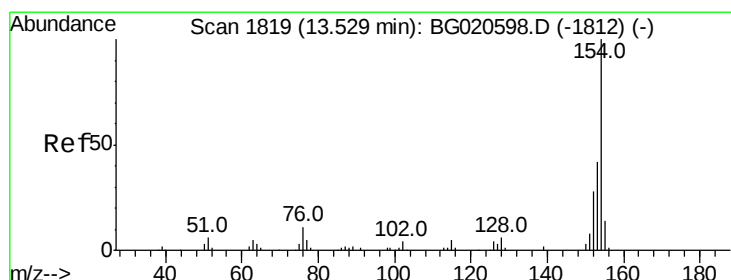
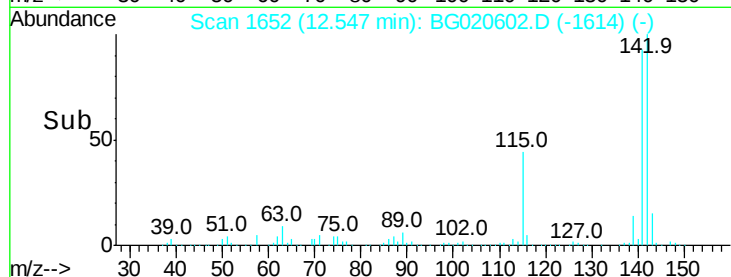
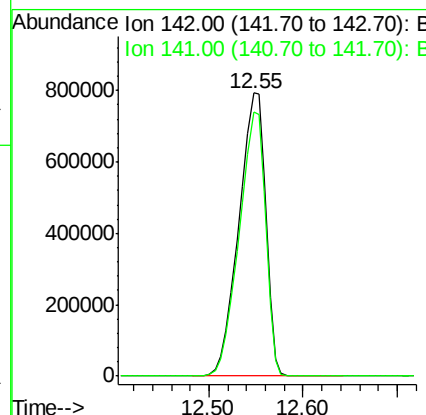
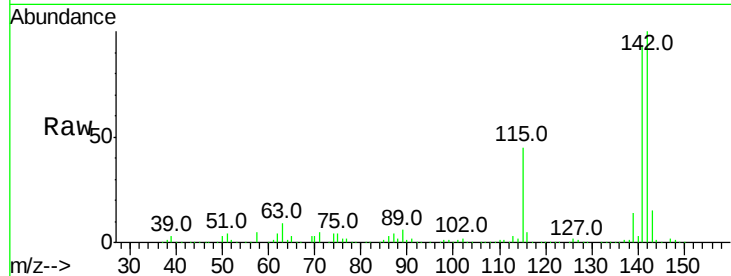
#34
 2-Methylnaphthalene
 Concen: 365.33 ng/ul
 RT: 12.55 min Scan# 1652
 Delta R.T. 0.02 min
 Lab File: BG020602.D
 Acq: 30 Dec 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Tot Ion:142 Resp: 1572667
 Ion Ratio Lower Upper
 142 100
 141 93.4 71.4 107.2

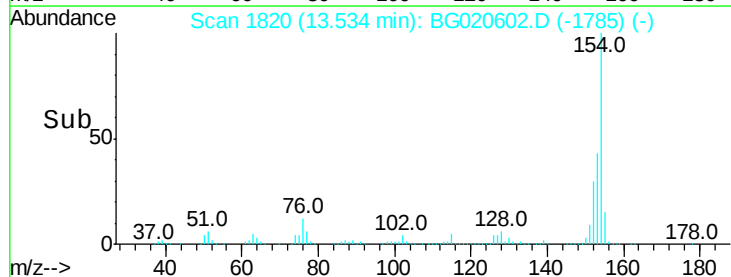
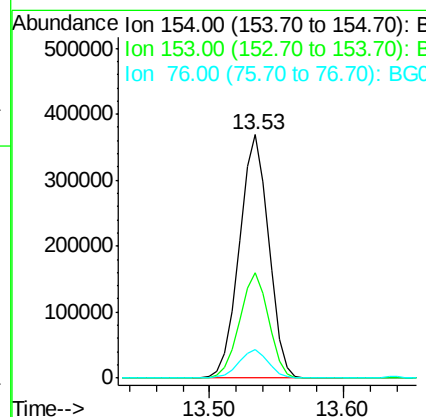
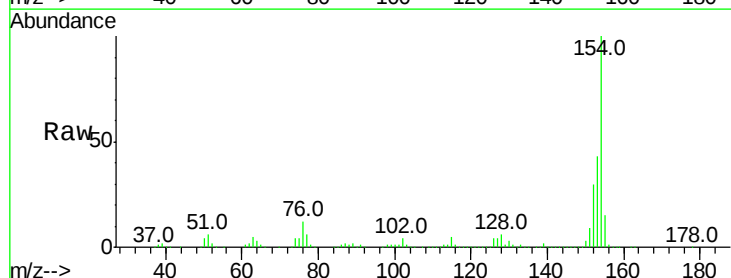
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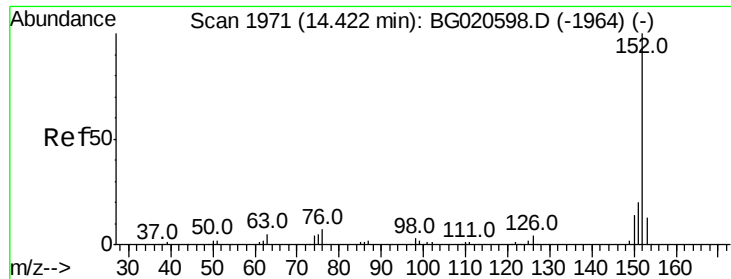
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#41
 1,1'-Biphenyl
 Concen: 104.64 ng/ul
 RT: 13.53 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: BG020602.D
 Acq: 30 Dec 2015 10:42

Tgt Ion:154 Resp: 560817
 Ion Ratio Lower Upper
 154 100
 153 43.2 34.0 51.0
 76 11.7 8.4 12.6





#48

Acenaphthylene

Concen: 41.46 ng/ul

RT: 14.42 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Instrument :

BNA_G

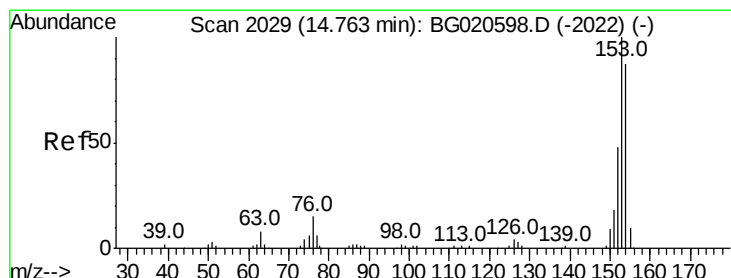
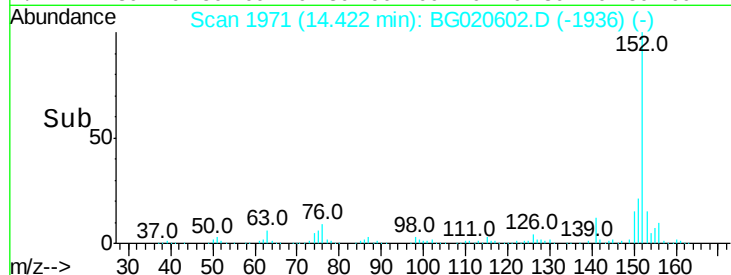
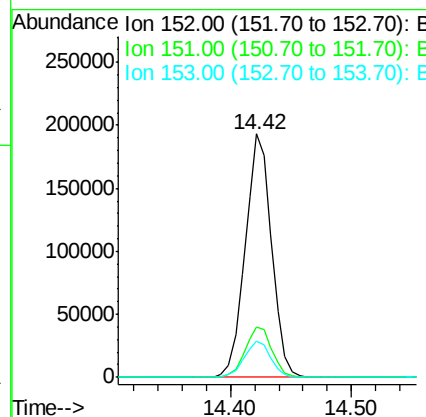
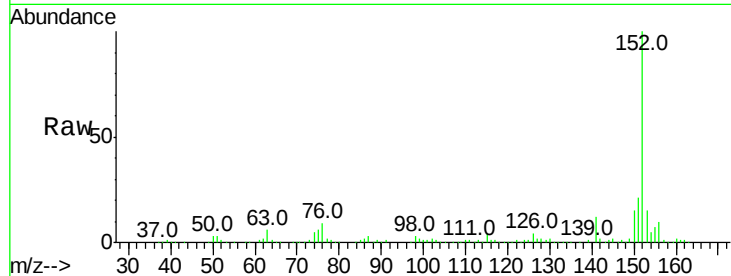
ClientSampled :

D9N50

Tot Ion:	152	Resp:	292396
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.1	24.1
153	14.8	10.8	16.2

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#50

Acenaphthene

Concen: 441.58 ng/ul

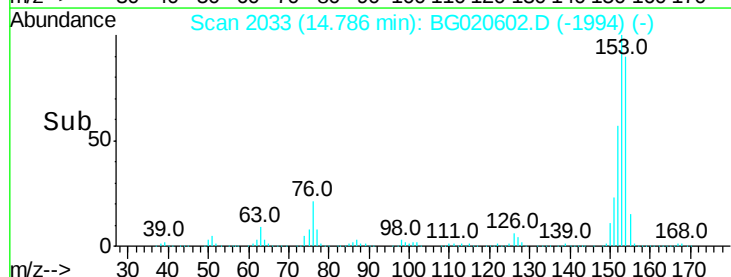
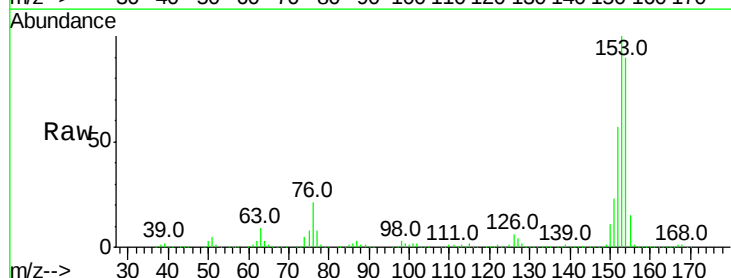
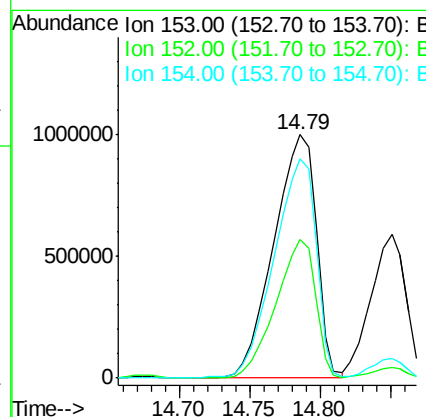
RT: 14.79 min Scan# 2033

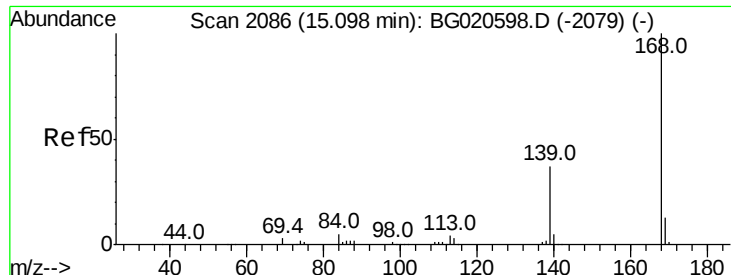
Delta R.T. 0.03 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Tgt Ion:	153	Resp:	2107304
Ion Ratio	Lower	Upper	
153	100		
152	57.0	37.9	56.9#
154	89.8	69.8	104.6





#54

Dibenzenofuran

Concen: 234.00 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:168 Resp: 1687559

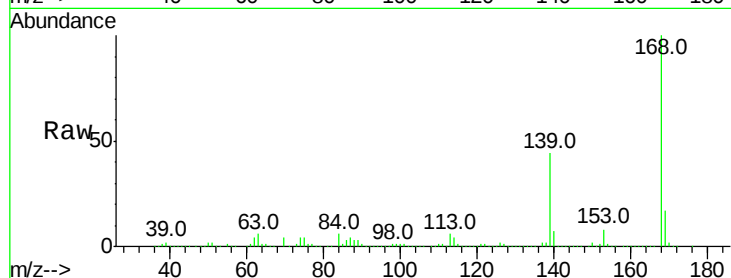
Ion Ratio Lower Upper

168 100

139 43.8 31.0 46.4

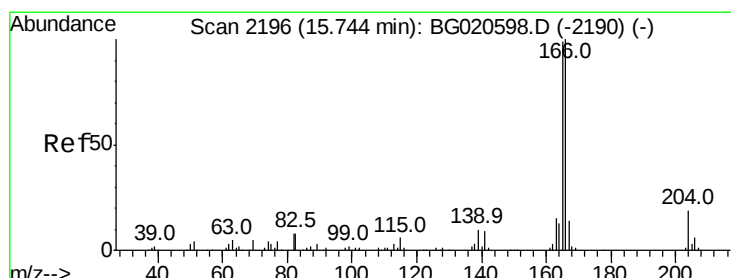
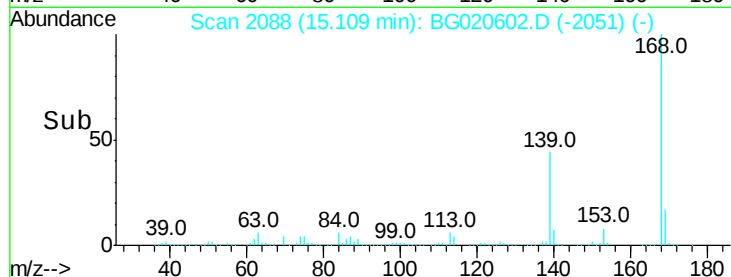
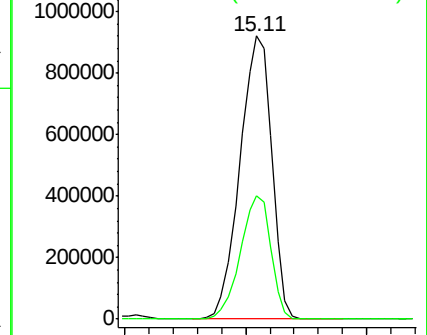
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 231.86 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.02 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

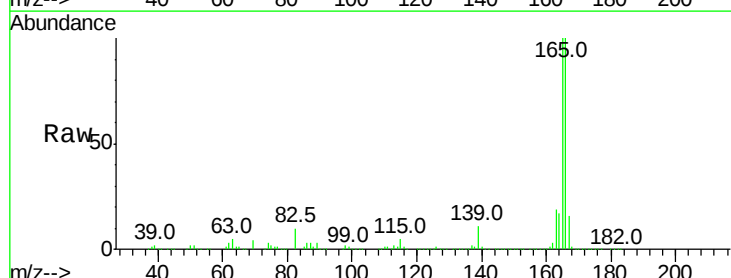
Tgt Ion:166 Resp: 1345038

Ion Ratio Lower Upper

166 100

165 100.0 78.4 117.6

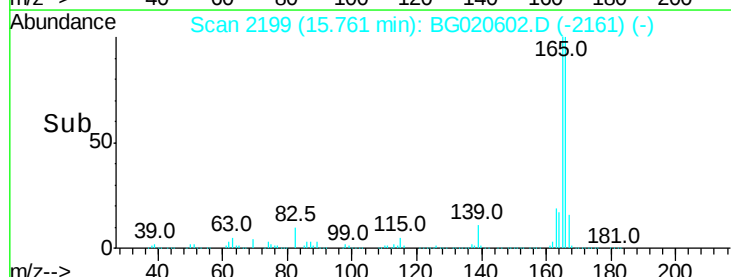
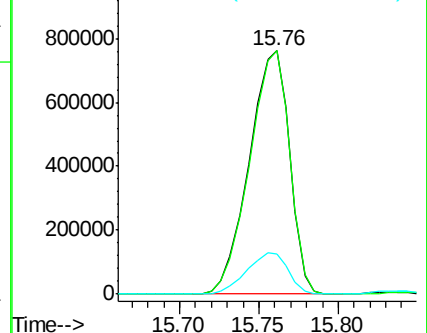
167 16.3 11.1 16.7

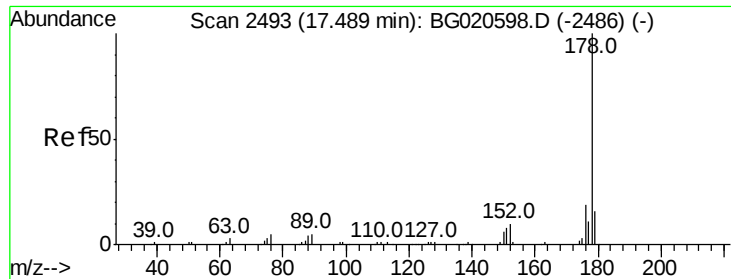


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





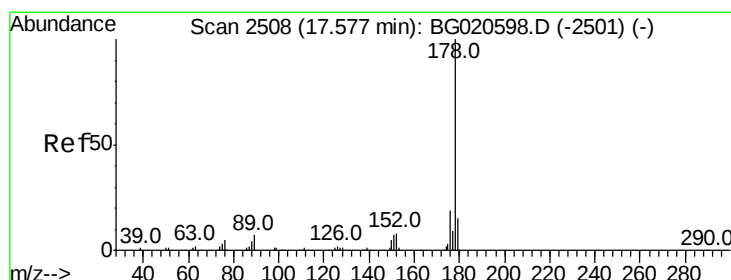
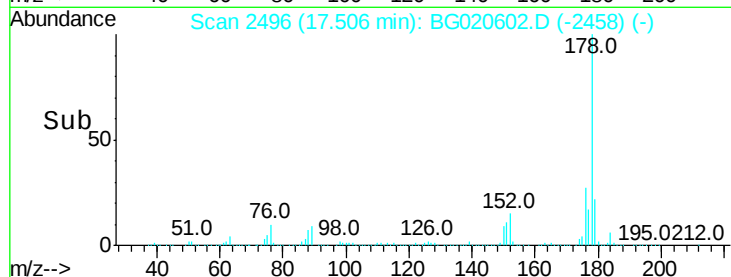
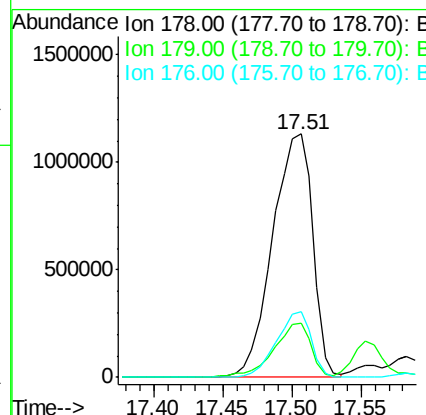
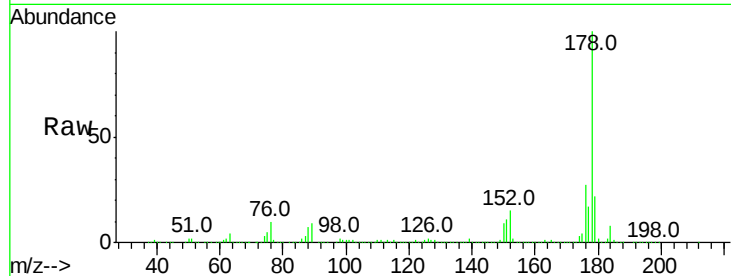
#70
Phenanthrene
Concen: 260.20 ng/ul m
RT: 17.51 min Scan# 2496
Delta R.T. 0.02 min
Lab File: BG020602.D
Acq: 30 Dec 2015 10:42

Instrument :
BNA_G
ClientSampleId :
D9N50

Tot Ion:178 Resp: 2270030
Ion Ratio Lower Upper
178 100
179 22.4 12.3 18.5#
176 27.2 15.4 23.0#

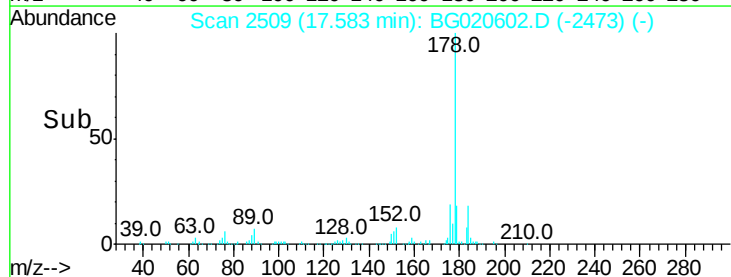
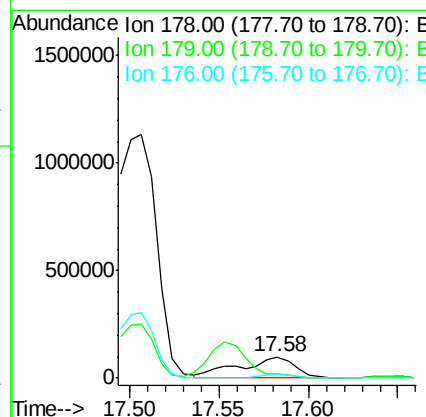
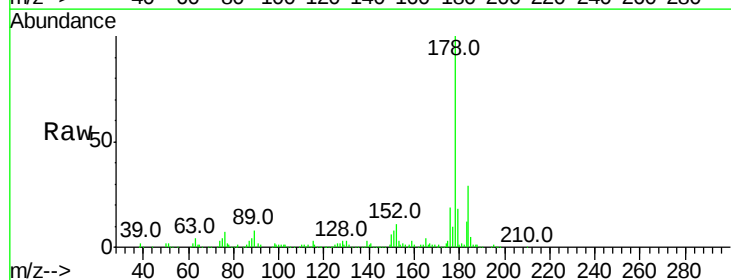
Manual Integrations
APPROVED

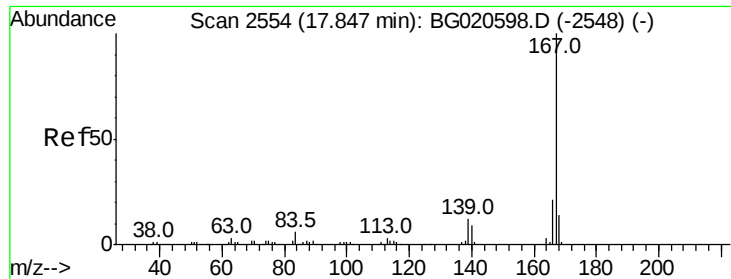
Sohil
12/31/2015 6:33:05 PM



#72
Anthracene
Concen: 24.09 ng/ul m
RT: 17.58 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BG020602.D
Acq: 30 Dec 2015 10:42

Tgt Ion:178 Resp: 214972
Ion Ratio Lower Upper
178 100
179 18.4 13.4 20.2
176 18.8 15.4 23.0





#75

Carbazole

Concen: 331.03 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.03 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N50

Tot Ion:167 Resp: 2492631

Ion Ratio Lower Upper

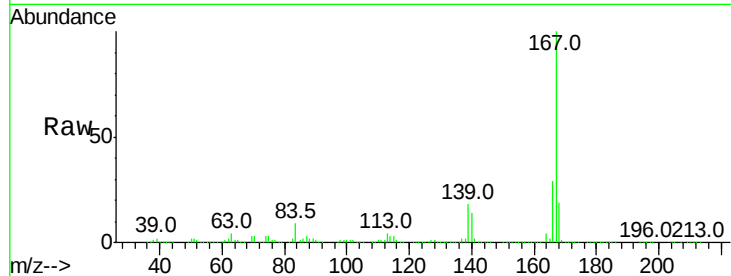
167 100

166 29.2 17.0 25.4#

139 17.5 9.1 13.7#

Manual Integrations
APPROVED

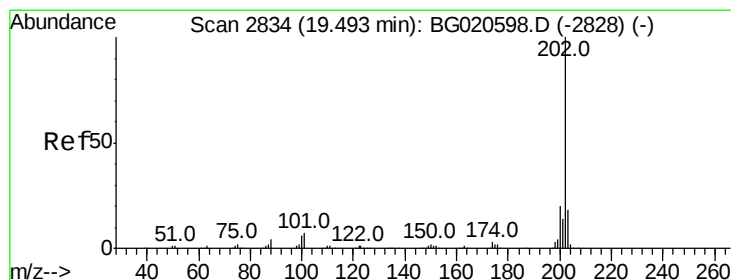
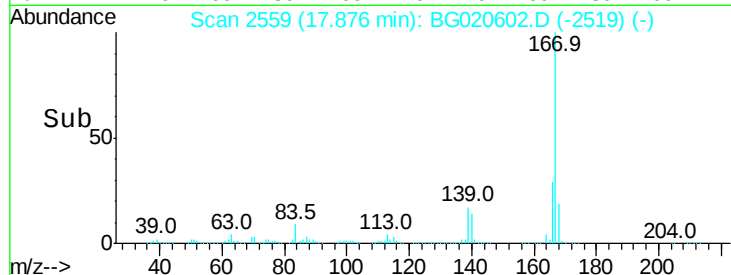
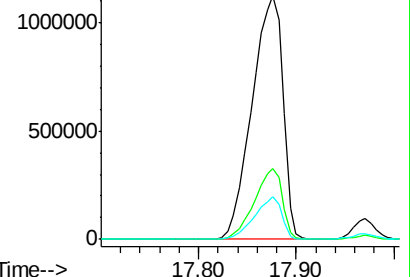
Sohil
12/31/2015 6:33:05 PM



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: 39.53 ng/ul

RT: 19.49 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BG020602.D

Acq: 30 Dec 2015 10:42

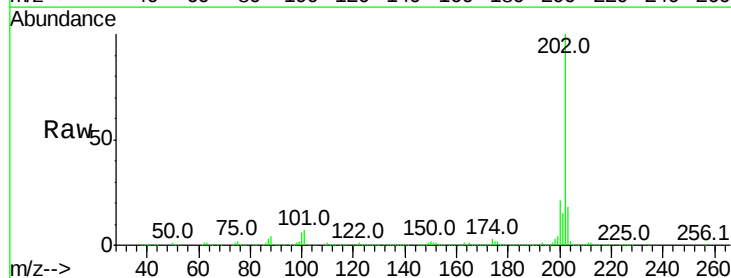
Tgt Ion:202 Resp: 421304

Ion Ratio Lower Upper

202 100

101 7.3 6.1 9.1

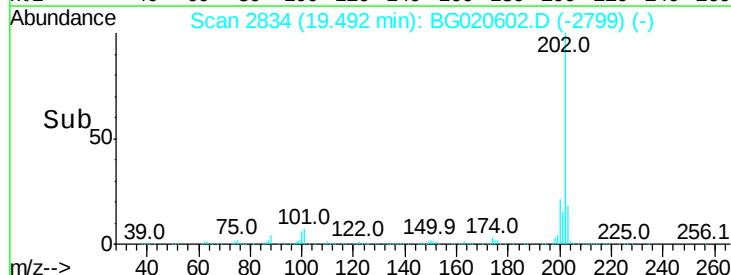
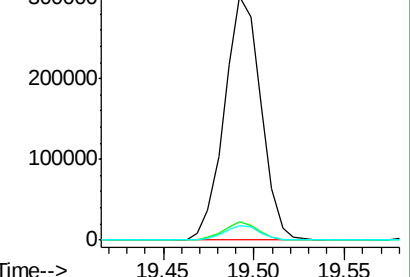
100 5.7 4.6 7.0

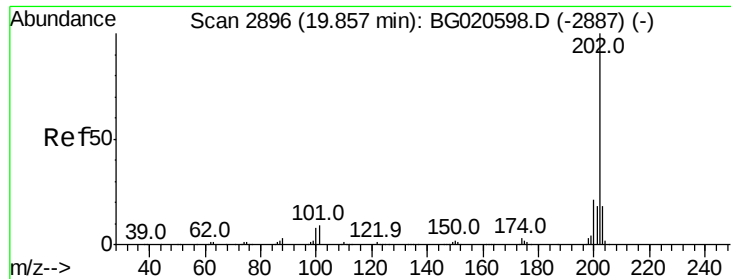


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





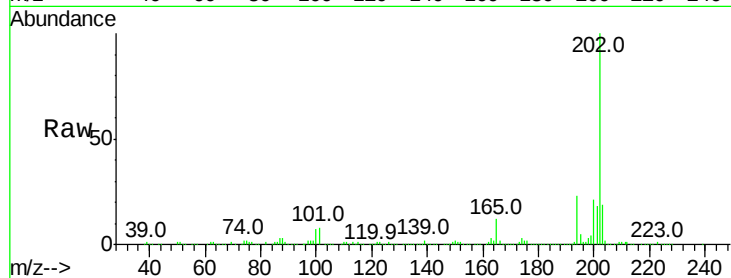
#80
 Pvrene
 Concen: 21.64 ng/ul
 RT: 19.86 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: BG020602.D
 Acq: 30 Dec 2015 10:42

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	8.1	6.9	10.3	
100	6.9	5.6	8.4	

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:33:05 PM



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

