

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020560.D
 Acq On : 27 Dec 2015 18:35
 Operator : UM/SJ
 Sample : G4846-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:08:57 PM

Quant Time: Dec 28 05:47:36 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	86561	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	396773	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.72	164	277147	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	644697	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	776077	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	724343	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	582	0.37	ng/uL	0.00
5) Phenol-d5	7.23	99	21249	3.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	54682	13.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	56761	10.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	40765	6.98	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	40222	12.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	48045	13.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	77771	11.36	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	2250	0.29	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	275215	12.05	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	327732	12.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	10235	2.69	ng/ul	0.00
58) Fluorene-d10	15.71	176	257468	12.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	42494	9.95	ng/ul	0.01
71) Anthracene-d10	17.57	188	384681	12.74	ng/ul	0.01
79) Pyrene-d10	19.84	212	436035	12.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	497679	13.59	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.26	94	14435	2.00	ng/ul	95
11) 2-Methylphenol	8.52	108	35235	6.28	ng/ul	89
16) 4-Methylphenol	8.86	108	79272	13.02	ng/ul	95
24) 2,4-Dimethylphenol	10.07	107	104585m	13.18	ng/ul	
28) Naphthalene	11.02	128	6920684	328.12	ng/ul#	53
34) 2-Methylnaphthalene	12.57	142	1514569	97.05	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	485847	22.71	ng/ul	96
48) Acenaphthylene	14.44	152	218961	7.87	ng/ul	97
50) Acenaphthene	14.80	153	2059471	109.50	ng/ul#	91
54) Dibenzofuran	15.12	168	1722187	61.55	ng/ul	90
59) Fluorene	15.78	166	1493593	65.87	ng/ul#	98
70) Phenanthrene	17.53	178	2613188m	72.85	ng/ul	
72) Anthracene	17.60	178	192726	5.25	ng/ul	98
75) Carbazole	17.88	167	1421624	45.99	ng/ul	93
77) Fluoranthene	19.51	202	544496	12.07	ng/ul	98
80) Pyrene	19.87	202	305957	6.97	ng/ul	99

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

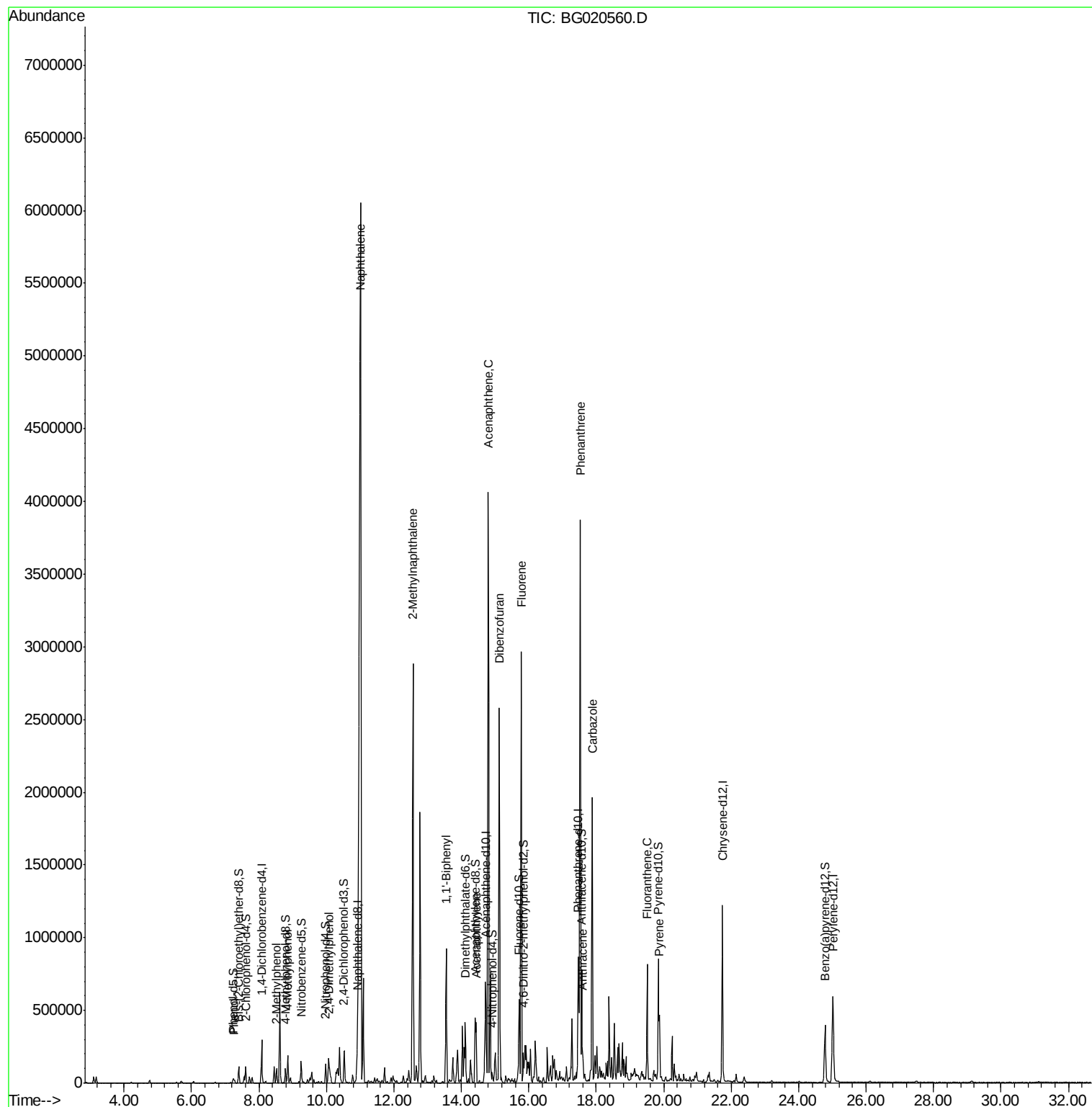
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
Data File : BG020560.D
Acq On : 27 Dec 2015 18:35
Operator : UM/SJ
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Misc :
ALS Vial : 26 Sample Multiplier: 1

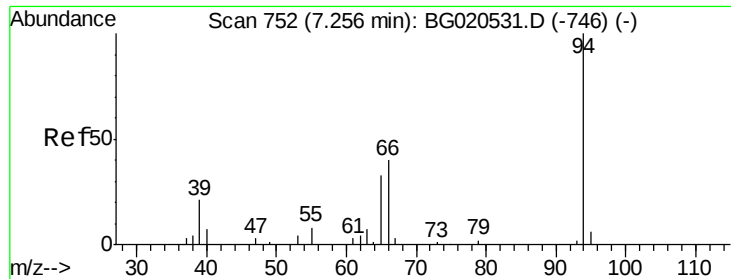
Instrument :
BNA_G
ClientSampleId :
D9N53

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Quant Time: Dec 28 05:47:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration





#6

Phenol

Concen: 2.00 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. 0.00 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

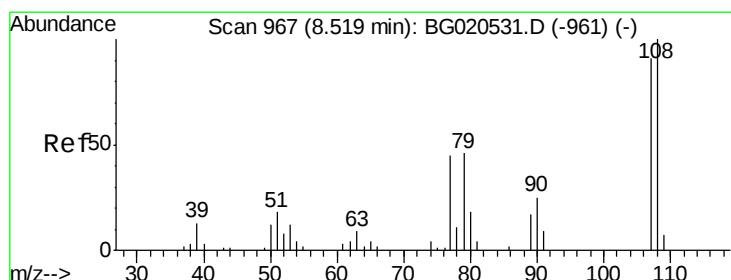
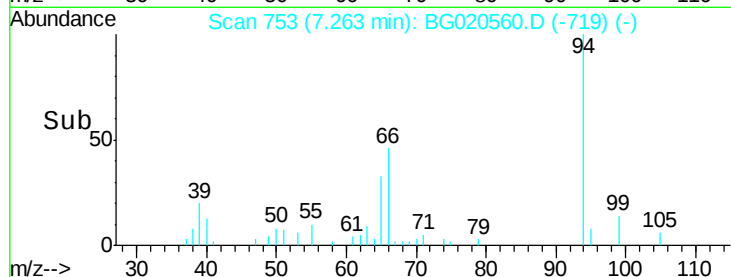
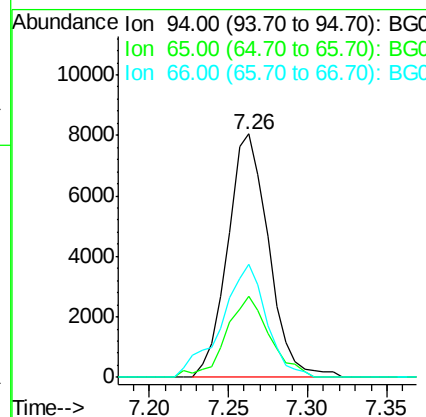
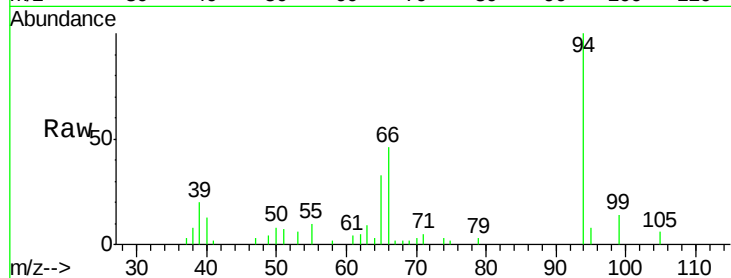
ClientSampleId :

D9N53

Tgt Ion:	94	Resp:	14435
Ion Ratio		Lower	Upper
94	100		
65	33.5	26.3	39.5
66	46.3	33.3	49.9

Manual Integrations
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#11

2-Methylphenol

Concen: 6.28 ng/ul

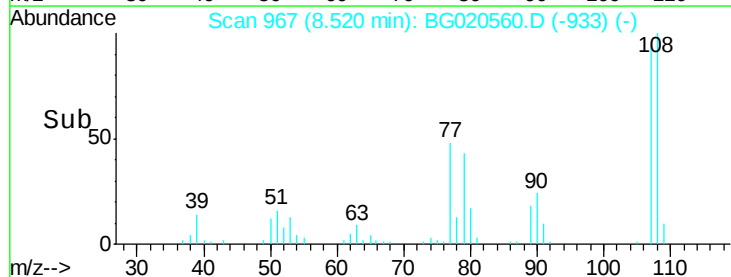
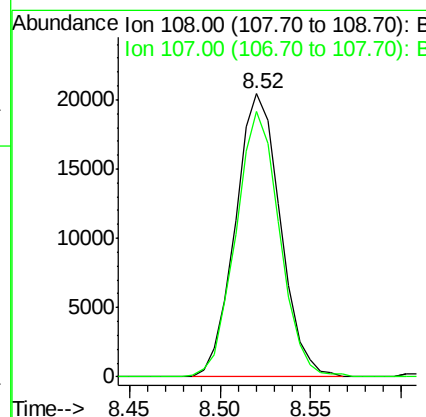
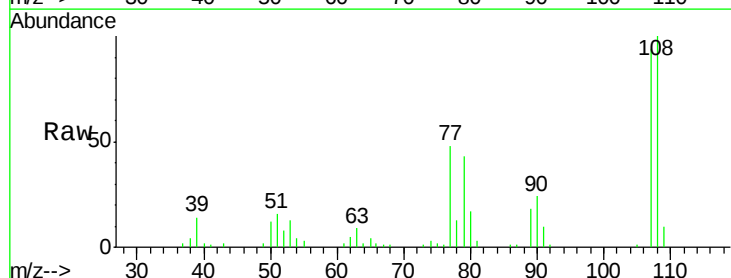
RT: 8.52 min Scan# 967

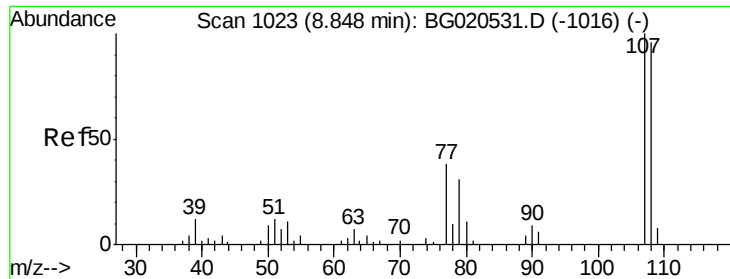
Delta R.T. 0.00 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Tgt Ion:	108	Resp:	35235
Ion Ratio		Lower	Upper
108	100		
107	94.0	67.5	101.3





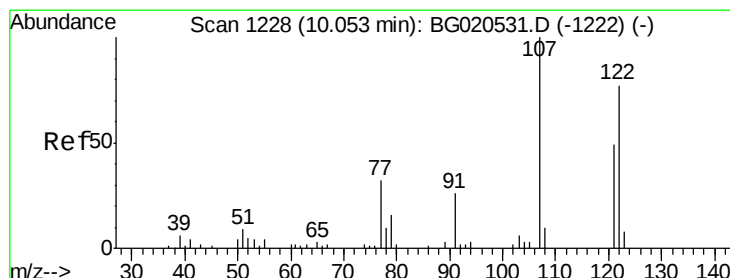
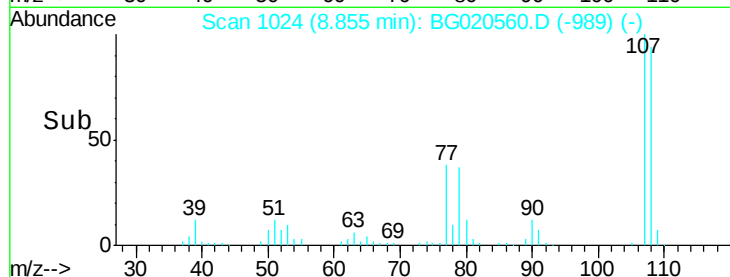
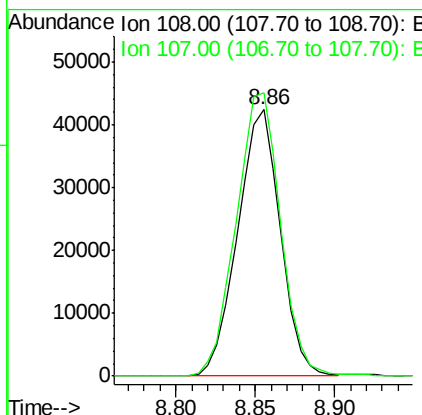
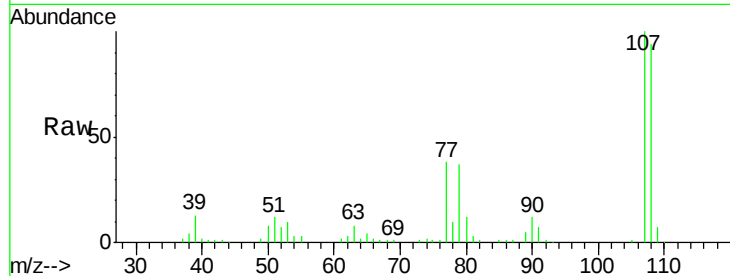
#16
 4-Methylphenol
 Concen: 13.02 ng/ul
 RT: 8.86 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Instrument :
 BNA_G
 ClientSampled :
 D9N53

Tgt Ion	Ratio	Lower	Upper
108	100		
107	106.2	88.9	133.3

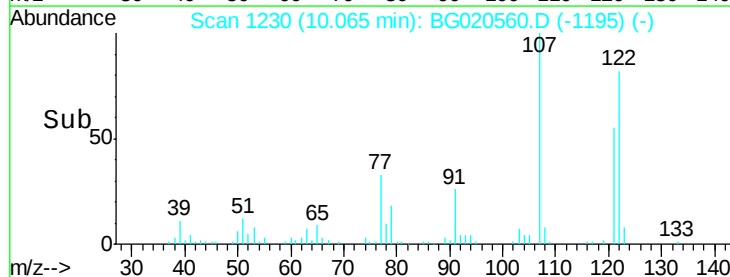
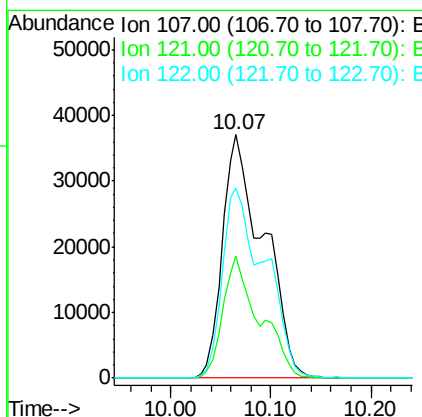
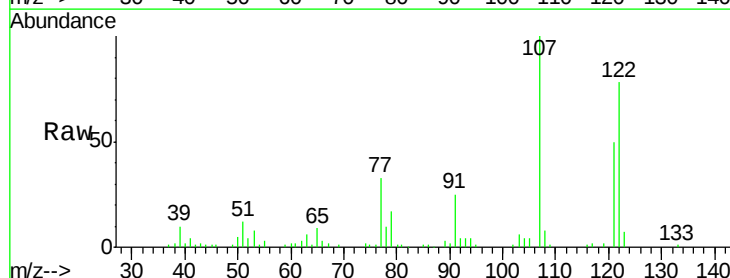
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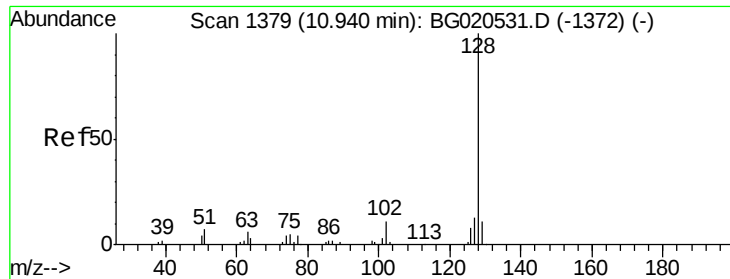
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#24
 2,4-Dimethylphenol
 Concen: 13.18 ng/ul m
 RT: 10.07 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Tgt Ion	Ratio	Lower	Upper
107	100		
121	49.9	39.0	58.4
122	78.0	62.1	93.1





#28

Naphthalene

Concen: 328.12 ng/ul

RT: 11.02 min Scan# 1392

Delta R.T. 0.07 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

D9N53

Tgt Ion:128 Resp: 6920684

Ion Ratio Lower Upper

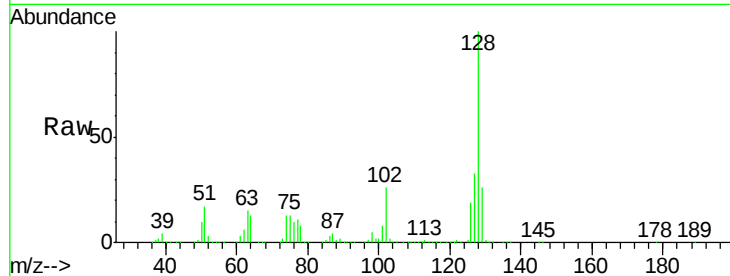
128 100

129 26.4 8.6 12.8#

127 32.7 10.1 15.1#

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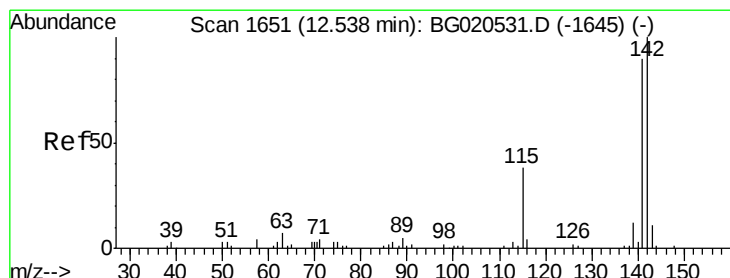
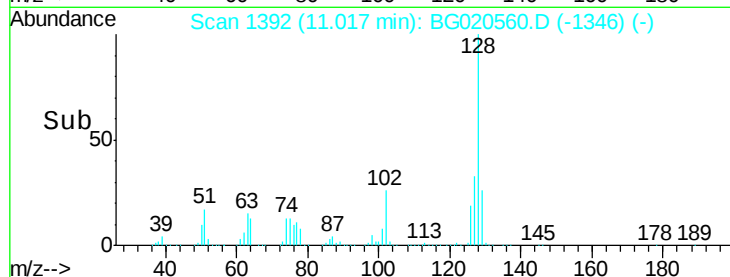
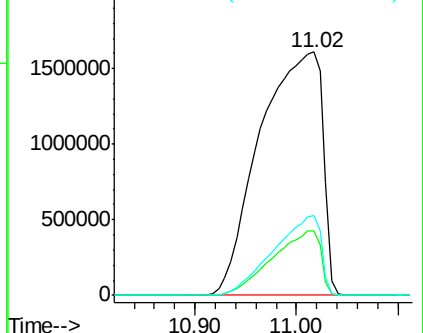
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 97.05 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BG020560.D

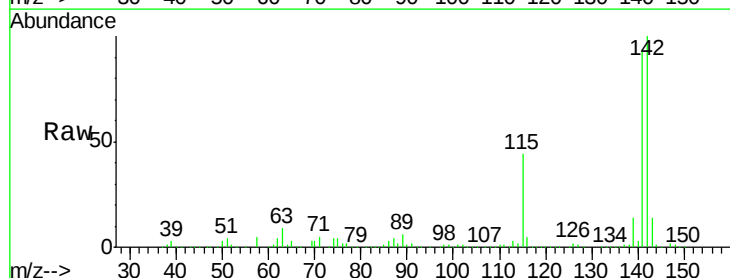
Acq: 27 Dec 2015 18:35

Tgt Ion:142 Resp: 1514569

Ion Ratio Lower Upper

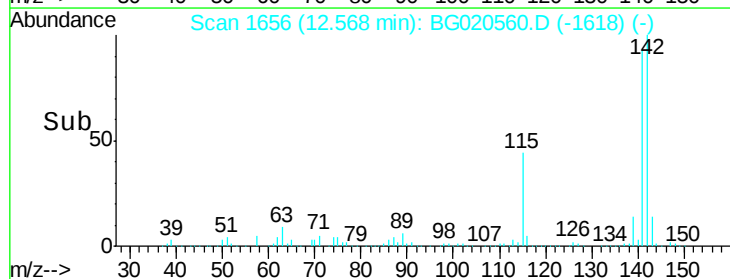
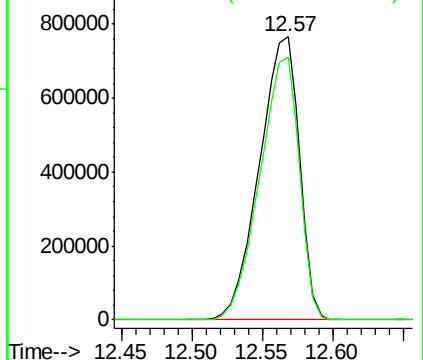
142 100

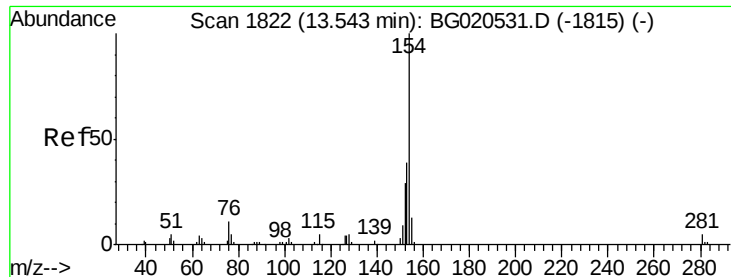
141 93.0 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





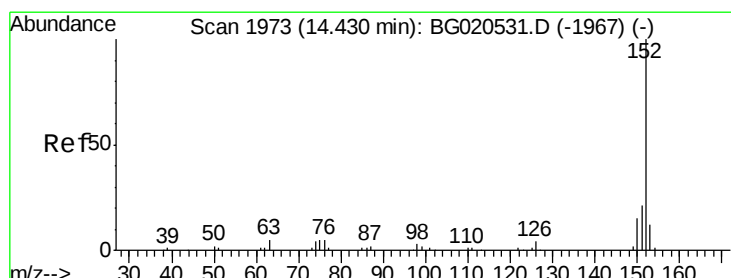
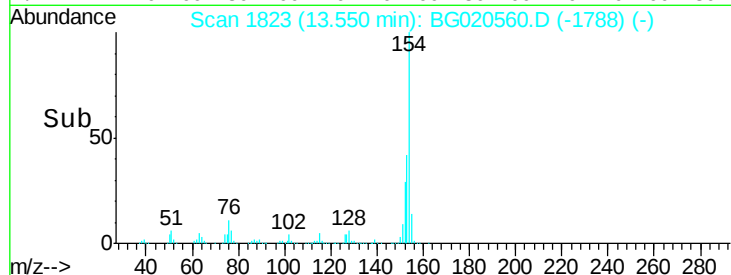
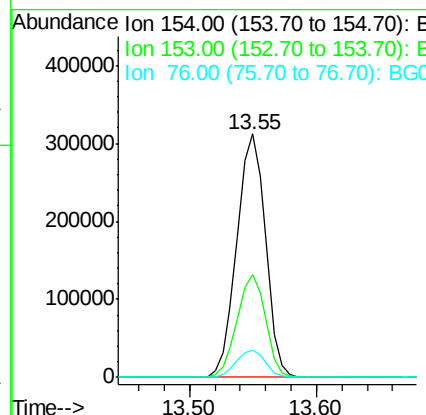
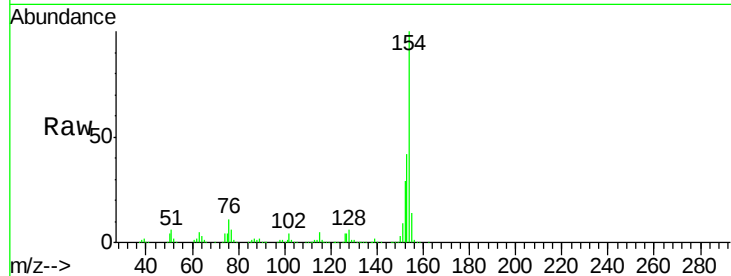
#41
 1,1'-Biphenyl
 Concen: 22.71 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tgt Ion:	154	Resp:	485847
Ion Ratio	Lower	Upper	
154	100		
153	42.0	35.5	53.3
76	11.3	10.4	15.6

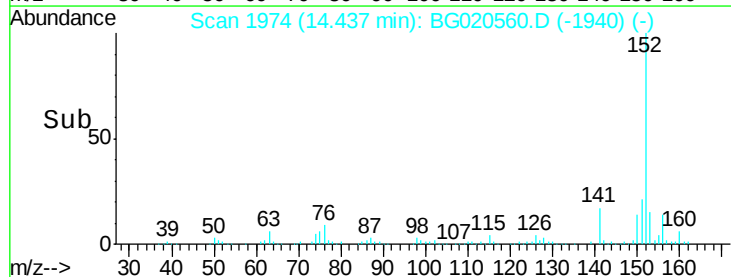
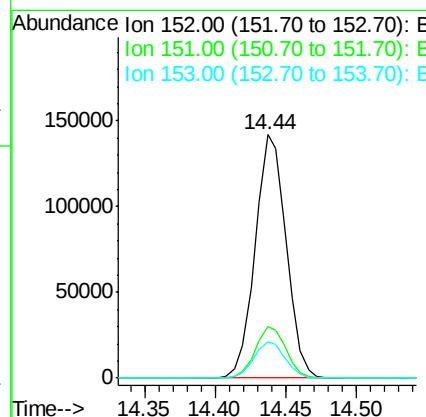
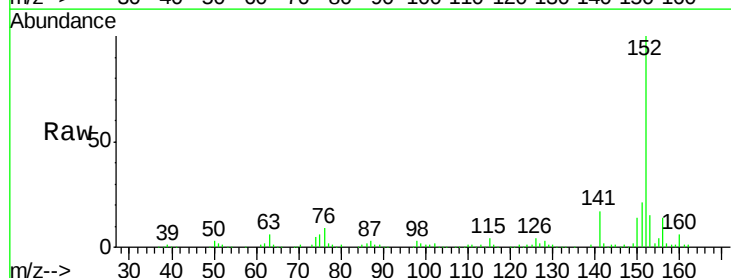
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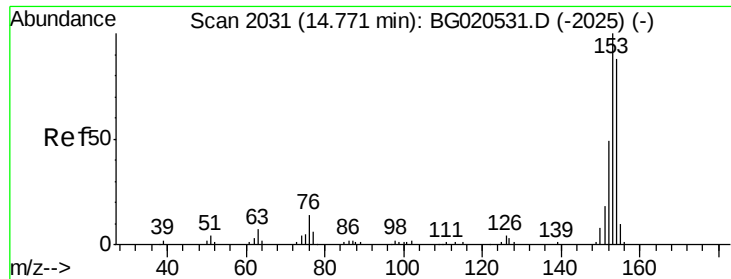
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#48
 Acenaphthylene
 Concen: 7.87 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Tgt Ion:	152	Resp:	218961
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.4	24.6
153	15.0	10.4	15.6





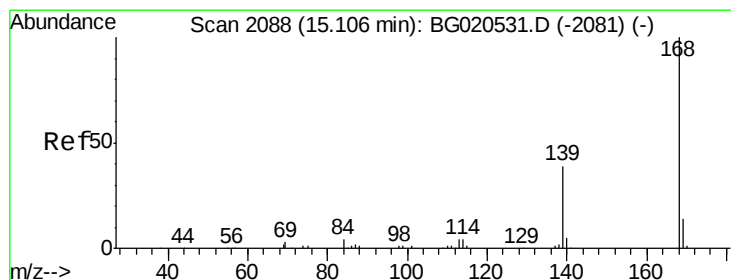
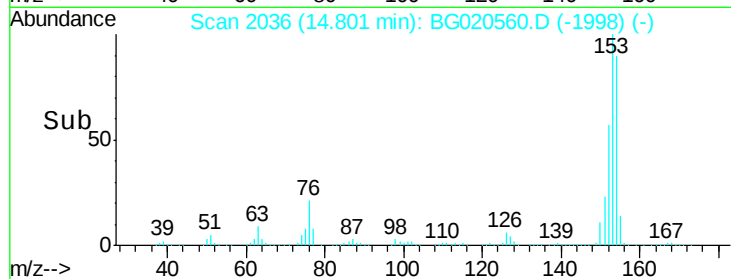
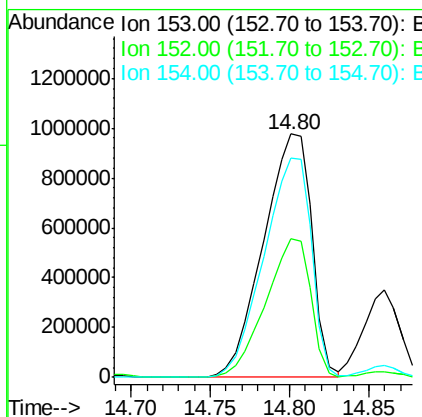
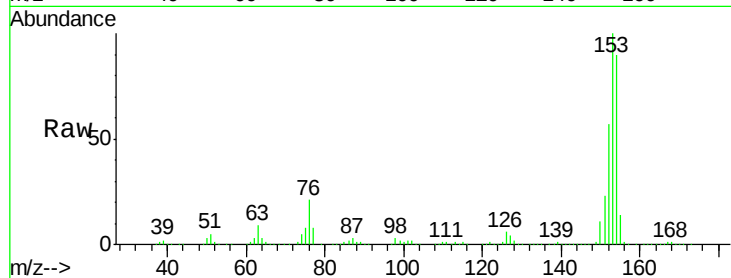
#50
Acenaphthene
Concen: 109.50 ng/ul
RT: 14.80 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Instrument :
BNA_G
ClientSampleId :
D9N53

Tgt Ion:153 Resp: 2059471
Ion Ratio Lower Upper
153 100
152 56.8 37.6 56.4#
154 90.0 67.9 101.9

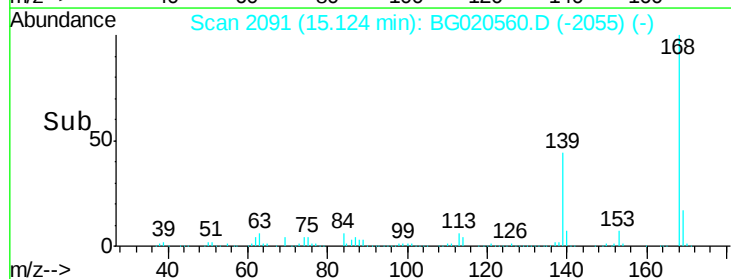
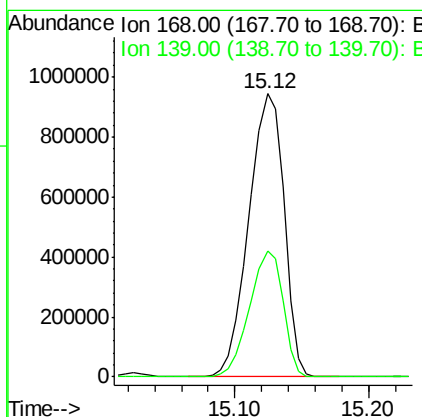
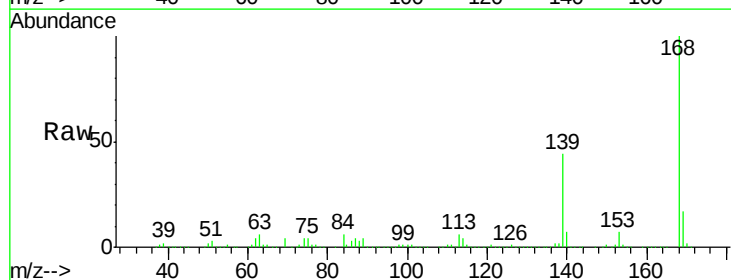
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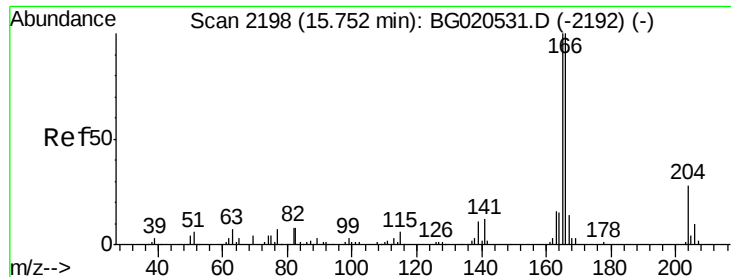
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#54
Dibenzofuran
Concen: 61.55 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Tgt Ion:168 Resp: 1722187
Ion Ratio Lower Upper
168 100
139 44.4 30.5 45.7





#59

Fluorene

Concen: 65.87 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

Instrument :

BNA_G

ClientSampleId :

D9N53

Tgt Ion:166 Resp: 1493593

Ion Ratio Lower Upper

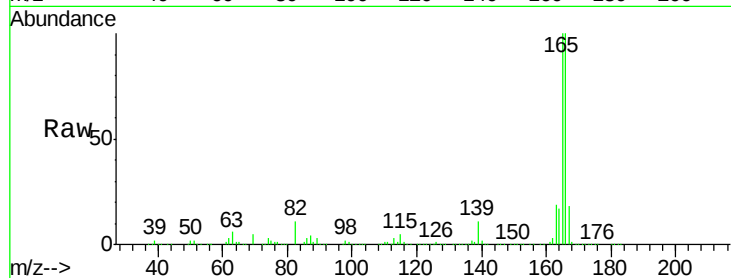
166 100

165 100.3 81.4 122.0

167 17.6 11.2 16.8#

Manual Integrations
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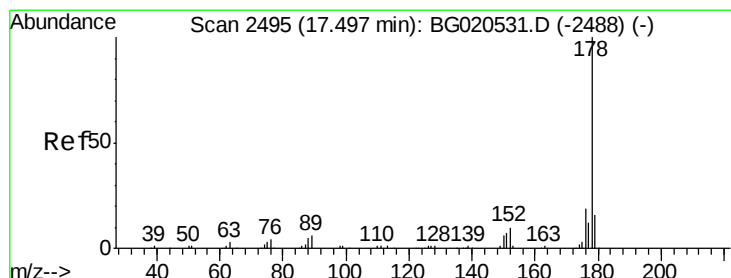
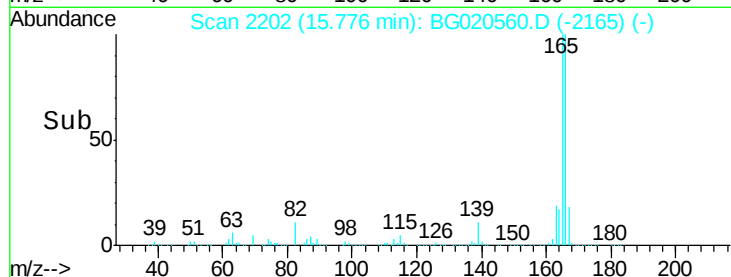
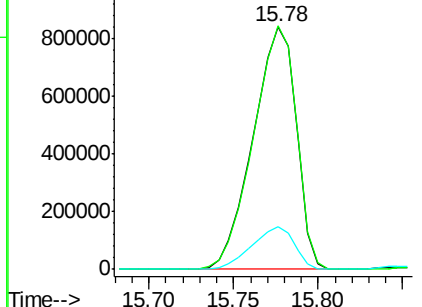
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 72.85 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BG020560.D

Acq: 27 Dec 2015 18:35

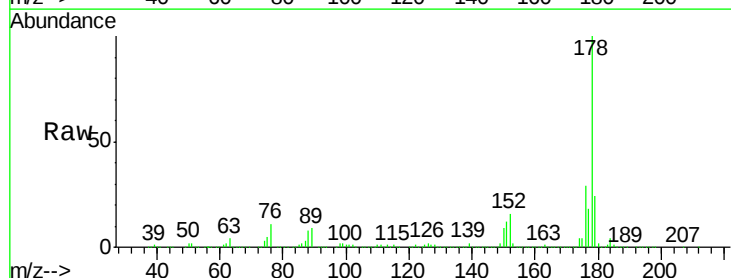
Tgt Ion:178 Resp: 2613188

Ion Ratio Lower Upper

178 100

179 24.0 12.9 19.3#

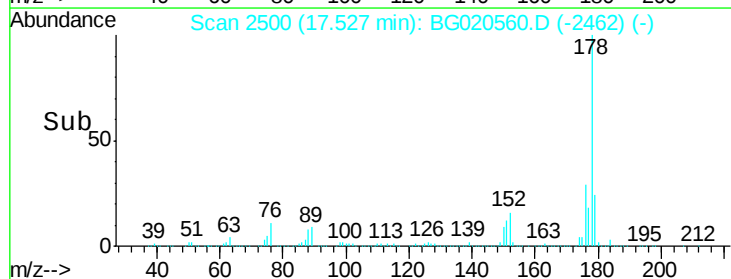
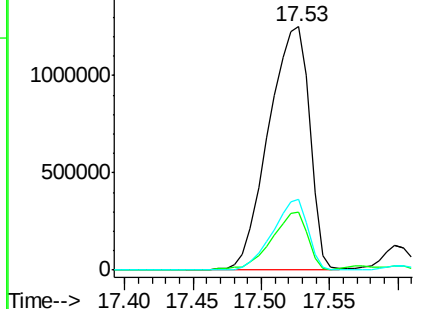
176 29.1 15.3 22.9#

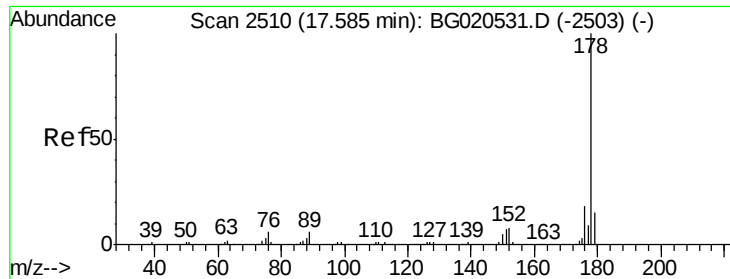


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





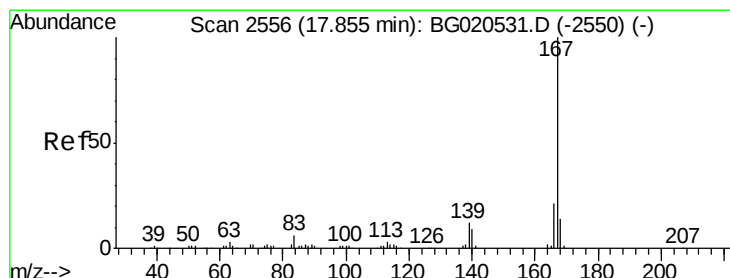
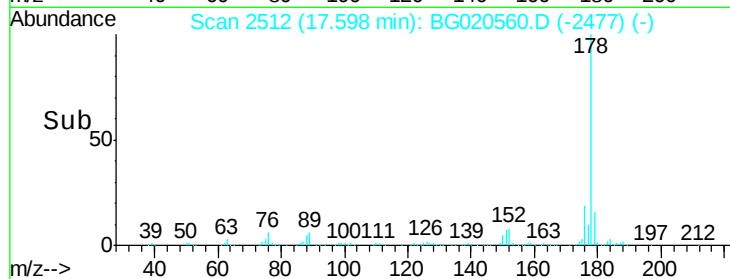
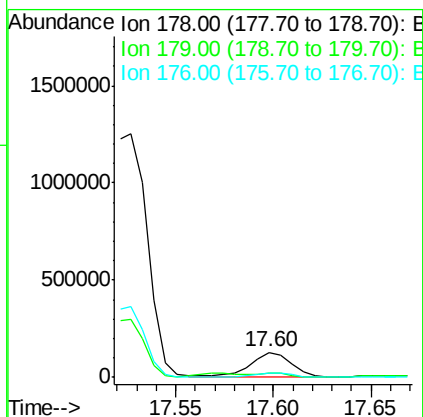
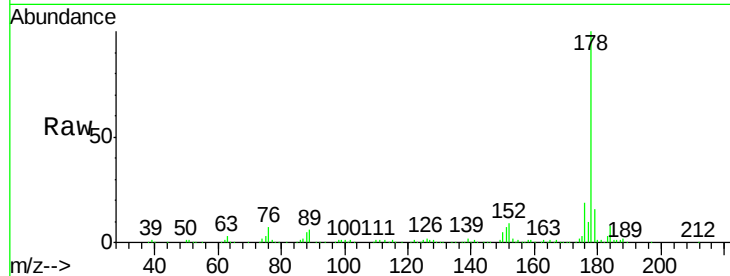
#72
 Anthracene
 Concen: 5.25 ng/ul
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.01 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Instrument :
 BNA_G
 ClientSampleId :
 D9N53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	192726		
179	16.5	12.3	18.5	
176	18.5	14.3	21.5	

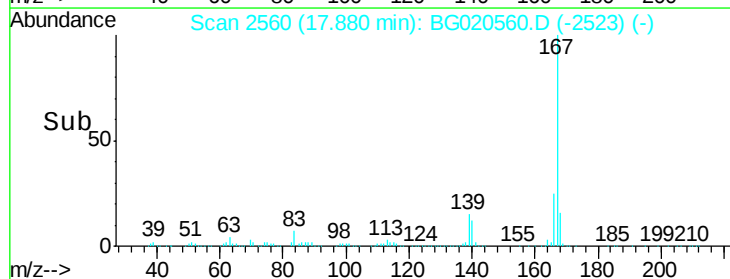
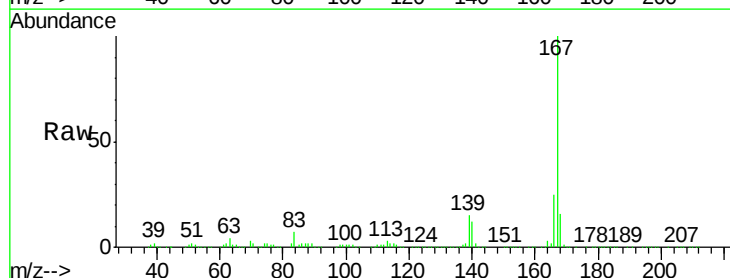
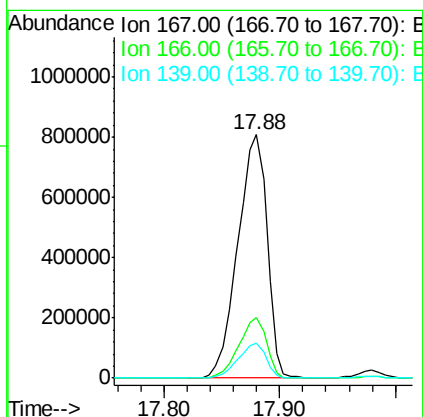
Manual Integrations
 APPROVED

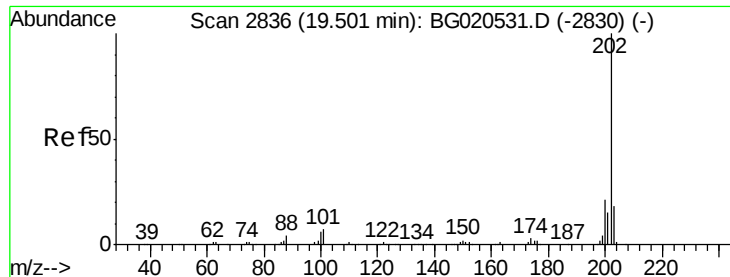
Sohil
 12/28/2015 6:08:57 PM



#75
 Carbazole
 Concen: 45.99 ng/ul
 RT: 17.88 min Scan# 2560
 Delta R.T. 0.02 min
 Lab File: BG020560.D
 Acq: 27 Dec 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	1421624		
166	25.1	17.0	25.6	
139	14.6	10.1	15.1	





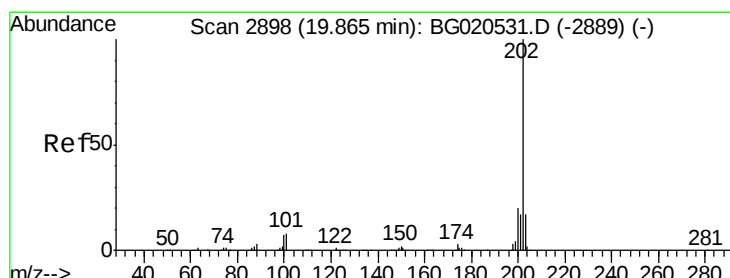
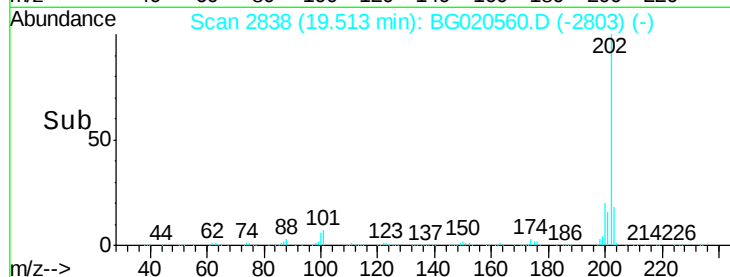
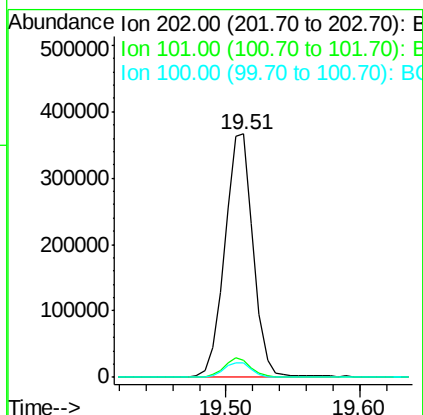
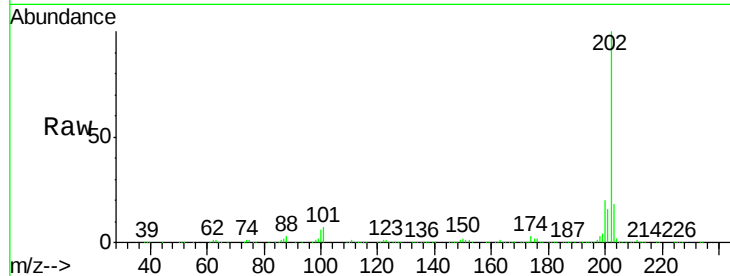
#77
Fluoranthene
Concen: 12.07 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Instrument :
BNA_G
ClientSampleId :
D9N53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	544496		
101	6.8	6.2	9.4	
100	5.7	5.1	7.7	

Manual Integrations
APPROVED

Sohil
12/28/2015 6:08:57 PM



#80
Pyrene
Concen: 6.97 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020560.D
Acq: 27 Dec 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	305957		
101	8.6	7.0	10.4	
100	7.3	6.4	9.6	

