

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
 Data File : BG020600.D
 Acq On : 30 Dec 2015 9:25
 Operator : UM/SJ
 Sample : G4846-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:32:56 PM

Quant Time: Dec 30 13:53:18 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	20202	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	90907	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	64608	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	154267	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	183871	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	180996	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	457	1.35	ng/uL	0.00
5) Phenol-d5	7.22	99	10432	6.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	30661	29.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	31295	23.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	22318	15.24	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	22769	32.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	26578	32.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	44451	28.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	1869	1.02	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	165344	31.27	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	189619	31.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5037	6.07	ng/ul	0.00
58) Fluorene-d10	15.69	176	150790	31.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	27241	29.11	ng/ul	0.00
71) Anthracene-d10	17.55	188	232634	32.37	ng/ul	0.00
79) Pyrene-d10	19.83	212	270850	32.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	304320	33.70	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.98	128	5292822	1099.42	ng/ul#	66
34) 2-Methylnaphthalene	12.54	142	1084857	301.16	ng/ul	98
41) 1,1'-Biphenyl	13.53	154	373133	76.76	ng/ul	99
48) Acenaphthylene	14.42	152	205730	32.16	ng/ul	97
50) Acenaphthene	14.78	153	1528696	353.16	ng/ul	96
54) Dibenzofuran	15.10	168	1275436	194.98	ng/ul	94
59) Fluorene	15.76	166	1034472	196.60	ng/ul	98
70) Phenanthrene	17.50	178	1942503	231.61	ng/ul#	87
72) Anthracene	17.58	178	165238m	19.26	ng/ul	
75) Carbazole	17.86	167	1309519	180.90	ng/ul#	92
77) Fluoranthene	19.49	202	449636	43.88	ng/ul	100
80) Pyrene	19.86	202	271440	25.49	ng/ul	99
83) Benzo(a)anthracene	21.70	228	24630	2.29	ng/ul	96
85) Chrysene	21.76	228	19338m	1.91	ng/ul	

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

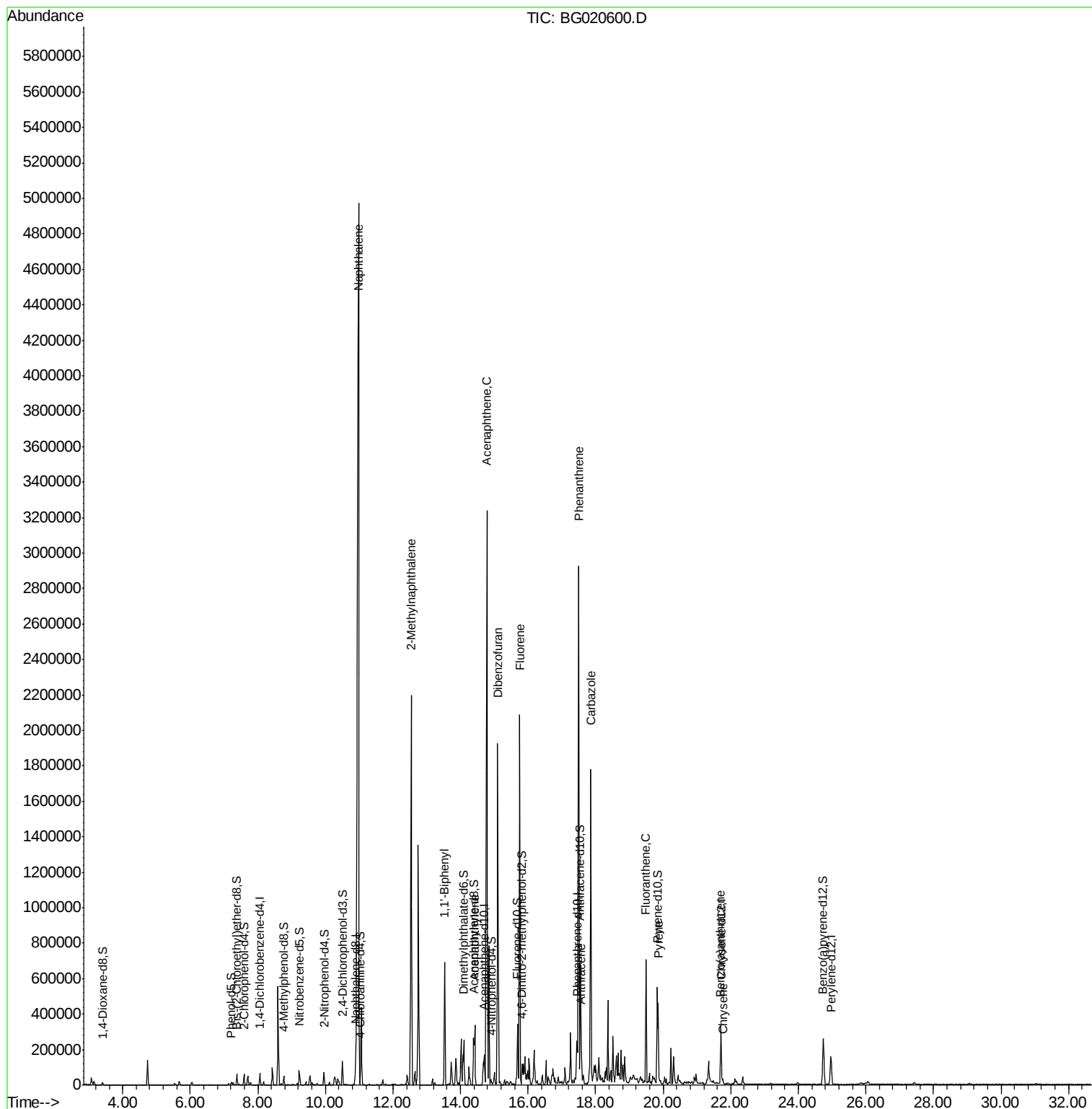
Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020600.D
Acq On : 30 Dec 2015 9:25
Operator : UM/SJ
Sample : G4846-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

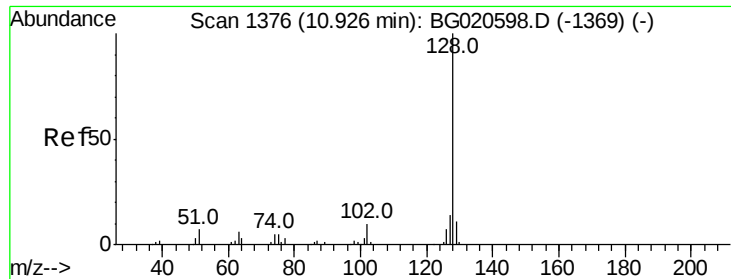
Instrument :
BNA_G
ClientSampleId :
D9N48

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Quant Time: Dec 30 13:53:18 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





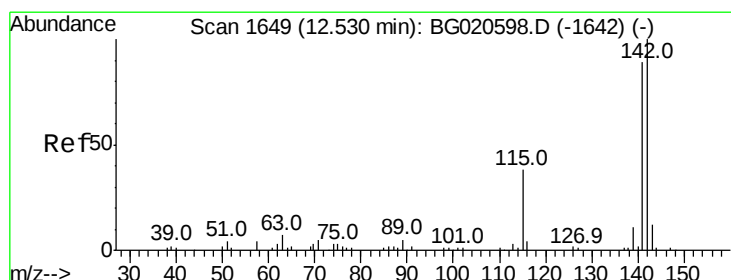
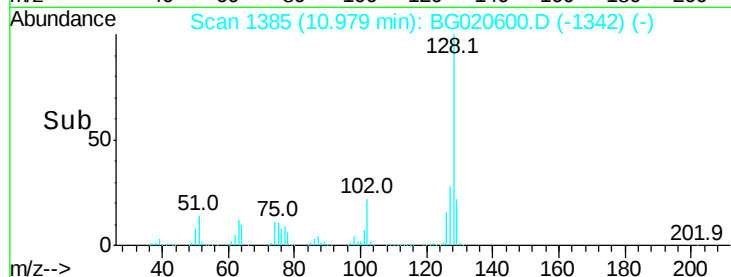
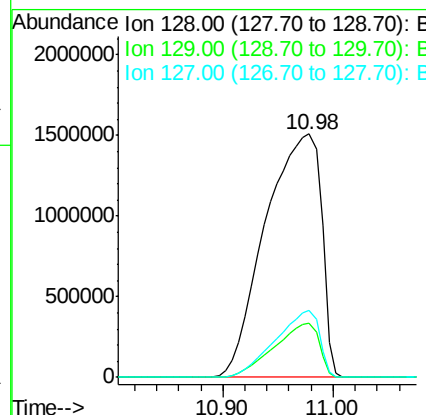
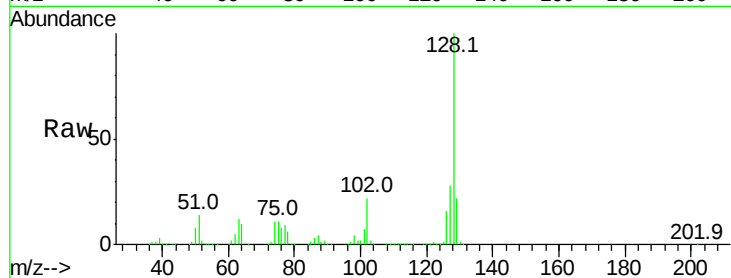
#28
Naphthalene
Concen: 1099.42 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. 0.05 min
Lab File: BG020600.D
Acq: 30 Dec 2015 9:25

Instrument :
BNA_G
ClientSampleId :
D9N48

Tot Ion:128 Resp: 5292822
Ion Ratio Lower Upper
128 100
129 22.5 8.3 12.5#
127 27.5 10.8 16.2#

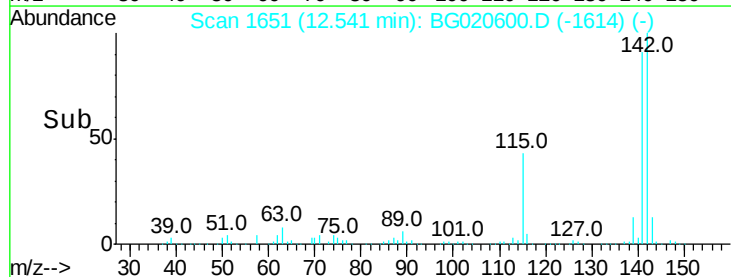
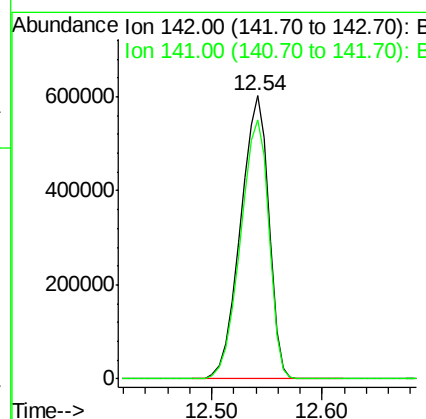
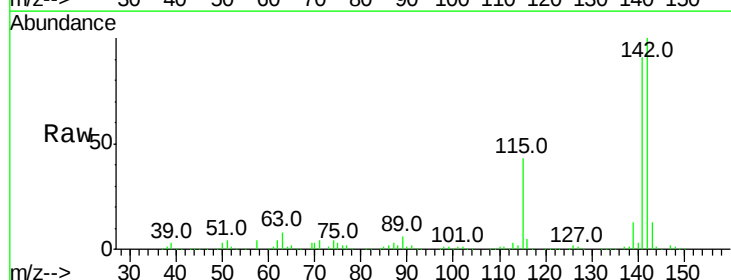
Manual Integrations
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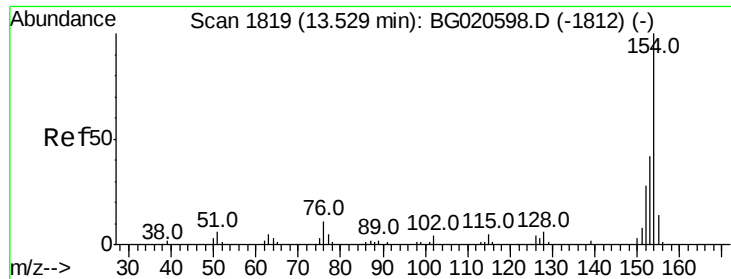
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#34
2-Methylnaphthalene
Concen: 301.16 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.01 min
Lab File: BG020600.D
Acq: 30 Dec 2015 9:25

Tgt Ion:142 Resp: 1084857
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2





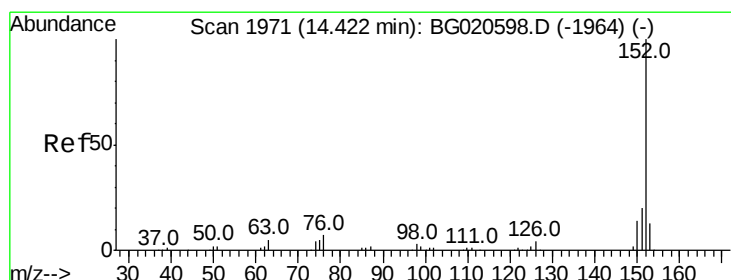
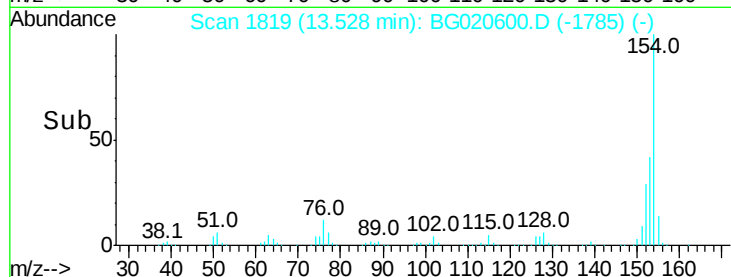
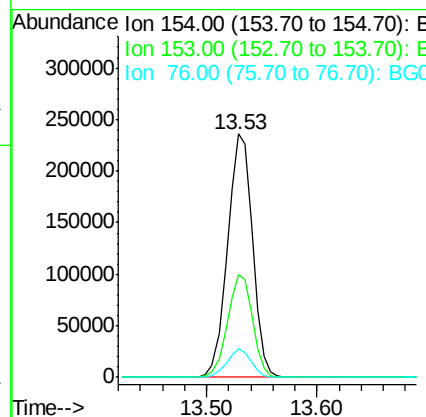
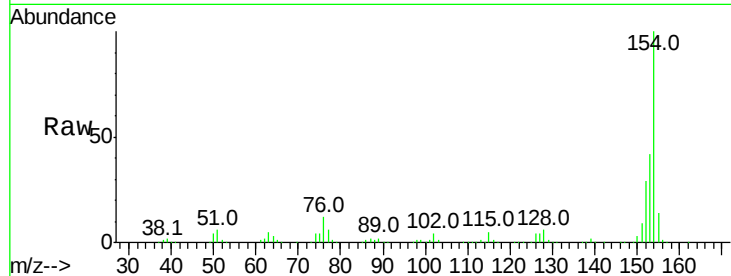
#41
 1,1'-Biphenyl
 Concen: 76.76 ng/ul
 RT: 13.53 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	34.0	51.0
76	11.9	8.4	12.6

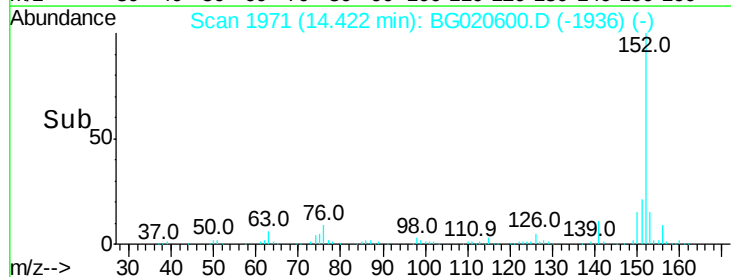
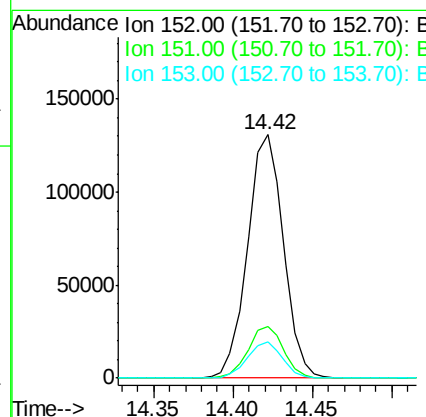
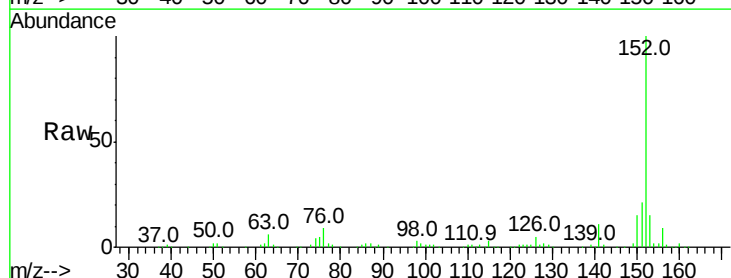
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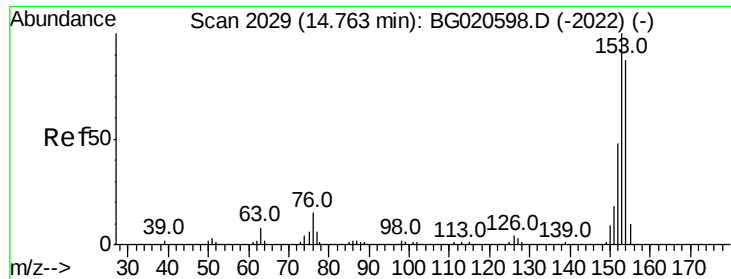
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#48
 Acenaphthylene
 Concen: 32.16 ng/ul
 RT: 14.42 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	14.9	10.8	16.2





#50

Acenaphthene

Concen: 353.16 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.02 min

Lab File: BG020600.D

Acq: 30 Dec 2015 9:25

Instrument :

BNA_G

ClientSampleId :

D9N48

Tot Ion:153 Resp: 1528696

Ion Ratio Lower Upper

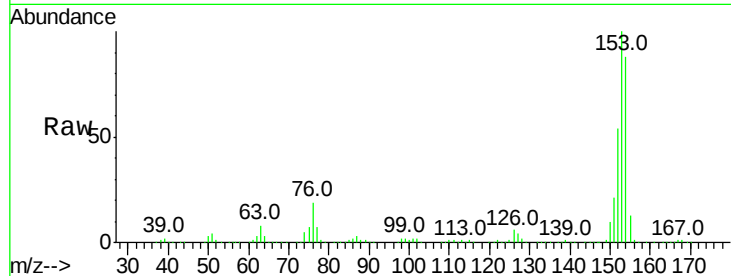
153 100

152 53.6 37.9 56.9

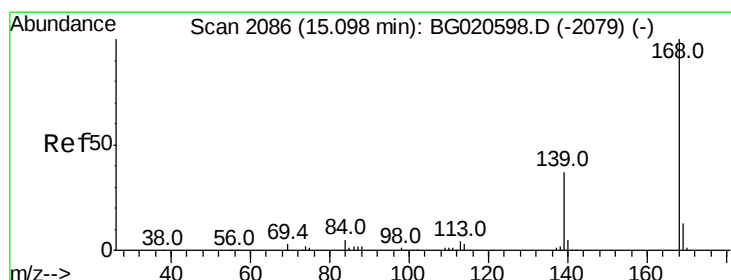
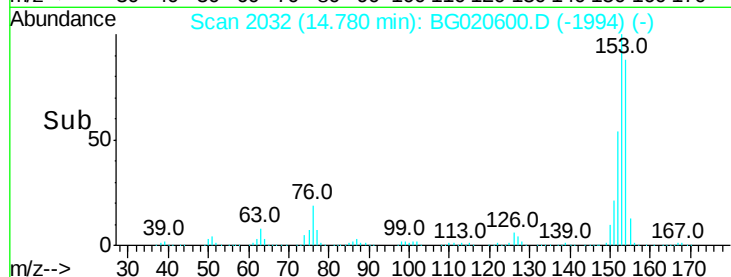
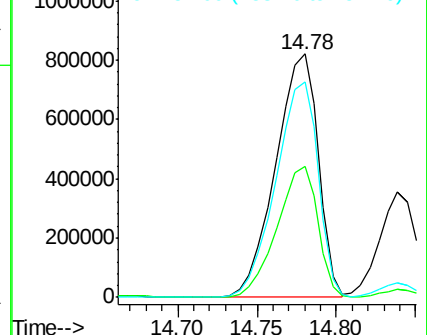
154 88.5 69.8 104.6

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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: 194.98 ng/ul

RT: 15.10 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BG020600.D

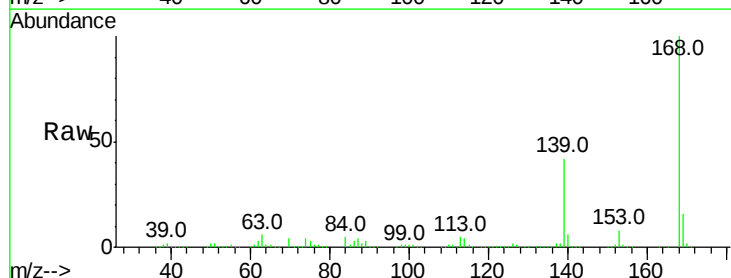
Acq: 30 Dec 2015 9:25

Tgt Ion:168 Resp: 1275436

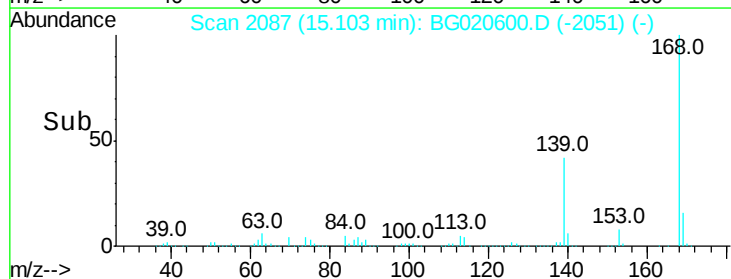
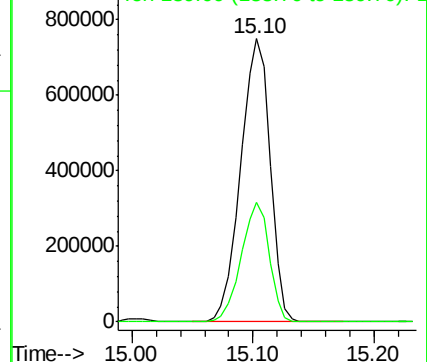
Ion Ratio Lower Upper

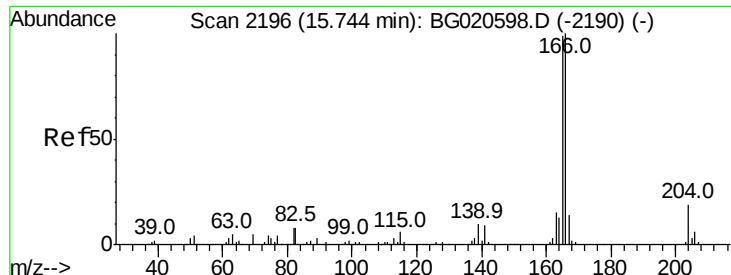
168 100

139 42.3 31.0 46.4



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





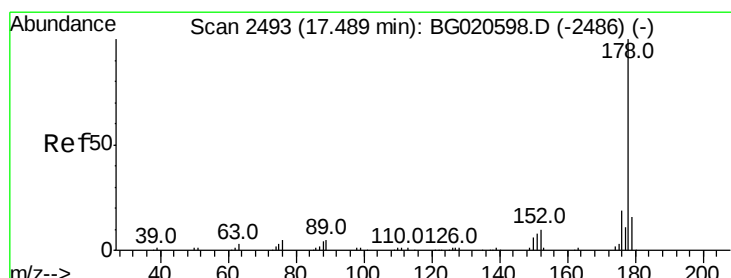
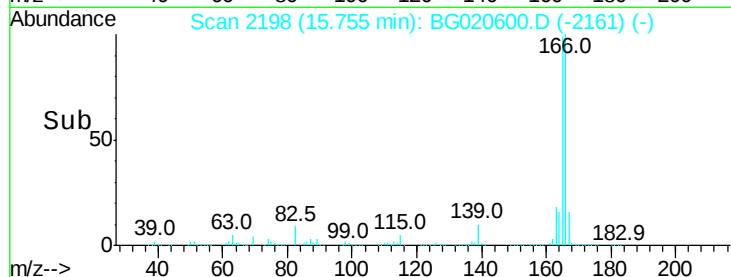
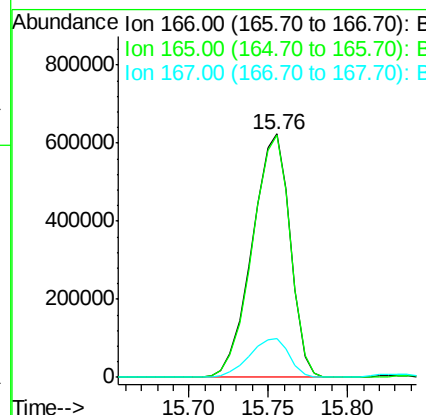
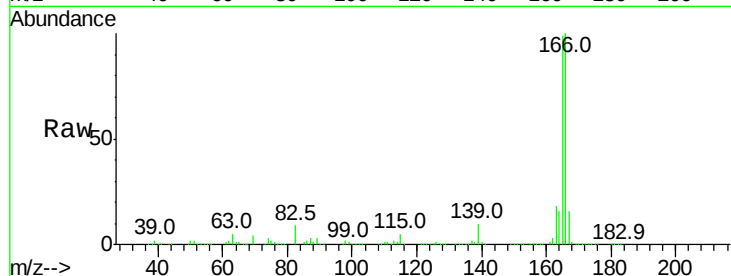
#59
Fluorene
 Concen: 196.60 ng/ul
 RT: 15.76 min Scan# 2198
 Delta R.T. 0.01 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.4	117.6
167	15.7	11.1	16.7

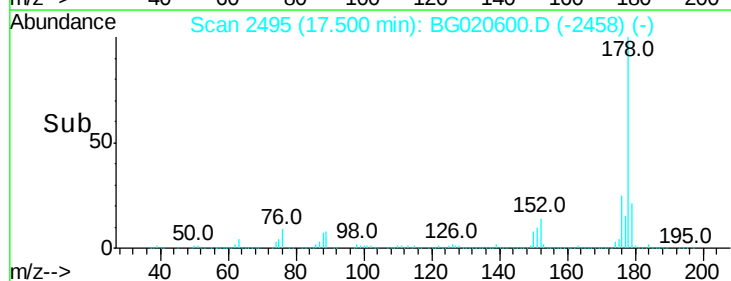
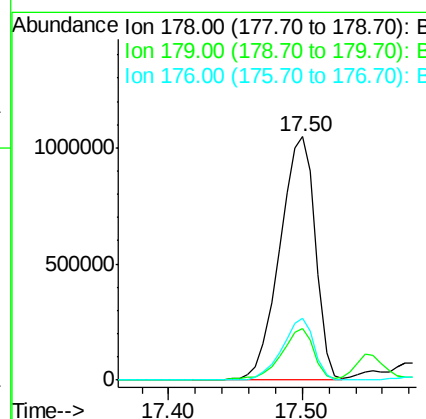
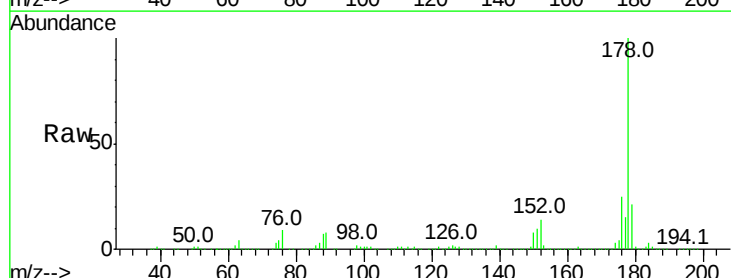
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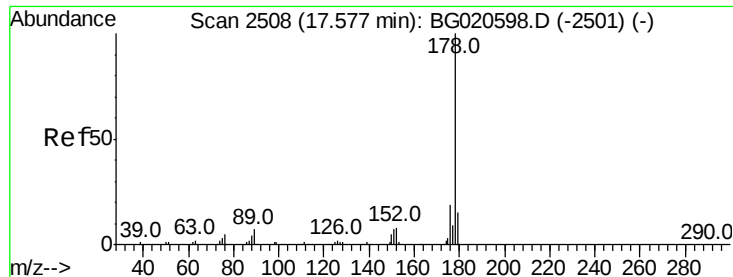
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#70
Phenanthrene
 Concen: 231.61 ng/ul
 RT: 17.50 min Scan# 2495
 Delta R.T. 0.01 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.0	12.3	18.5#
176	25.3	15.4	23.0#





#72

Anthracene

Concen: 19.26 ng/ul m

RT: 17.58 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG020600.D

Acq: 30 Dec 2015 9:25

Instrument :

BNA_G

ClientSampleId :

D9N48

Tot Ion:178 Resp: 165238

Ion Ratio Lower Upper

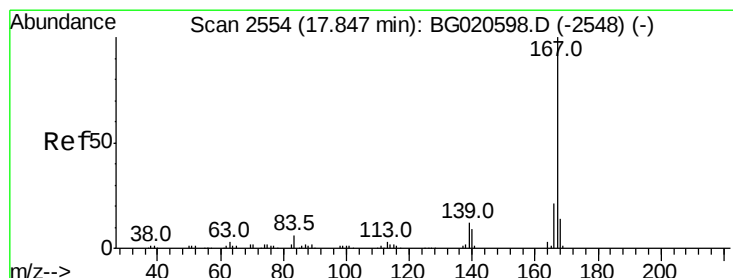
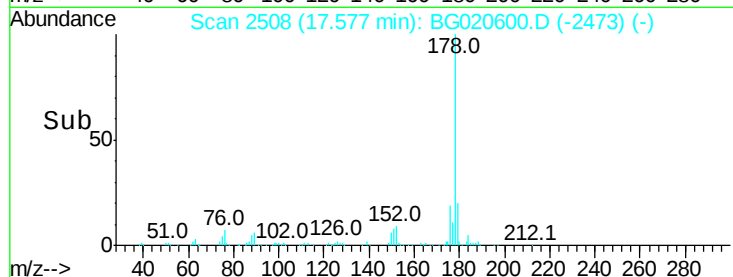
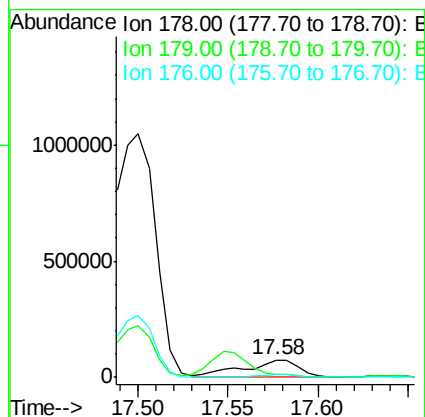
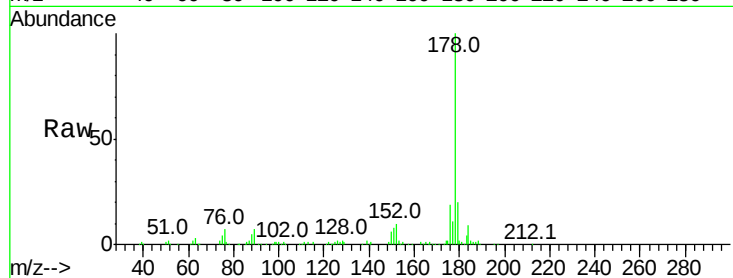
178 100

179 20.0 13.4 20.2

176 18.7 15.4 23.0

Manual Integrations
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#75

Carbazole

Concen: 180.90 ng/ul

RT: 17.86 min Scan# 2556

Delta R.T. 0.01 min

Lab File: BG020600.D

Acq: 30 Dec 2015 9:25

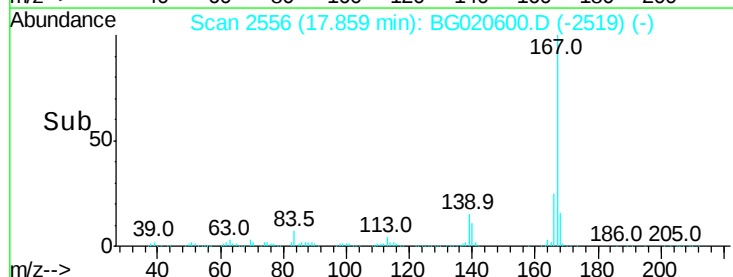
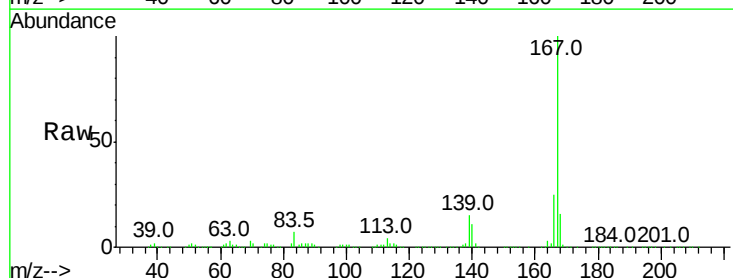
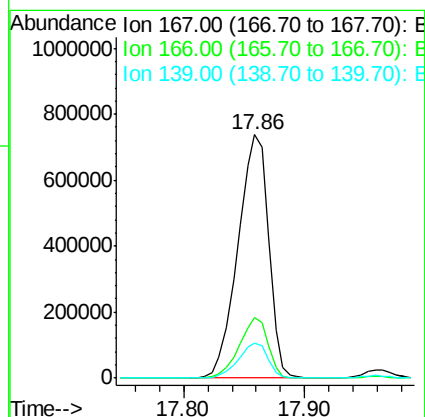
Tgt Ion:167 Resp: 1309519

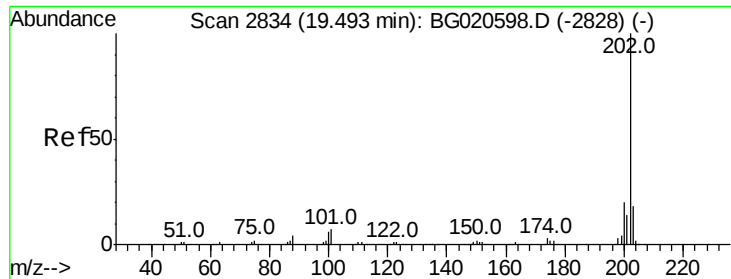
Ion Ratio Lower Upper

167 100

166 25.0 17.0 25.4

139 14.6 9.1 13.7#





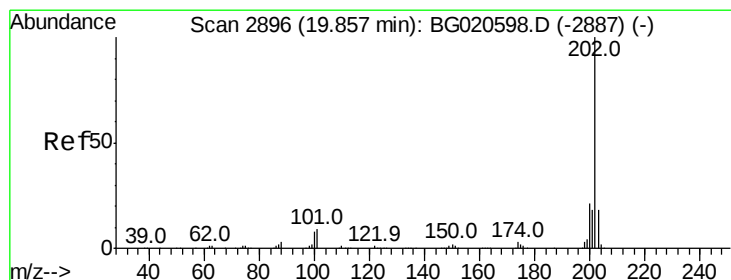
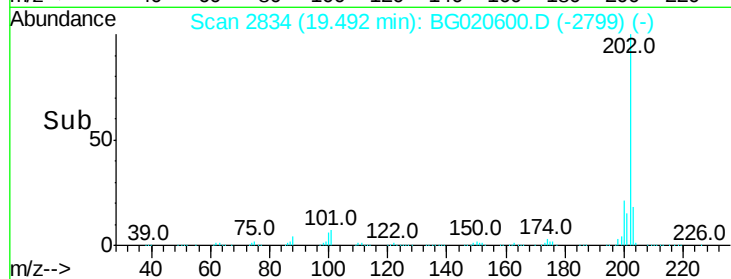
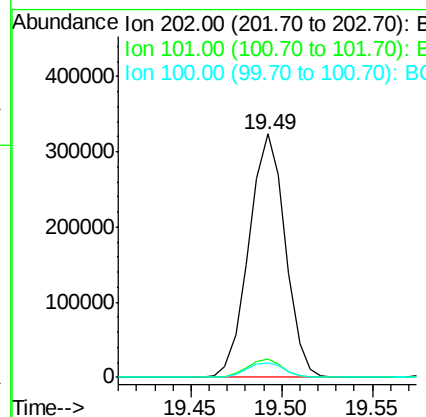
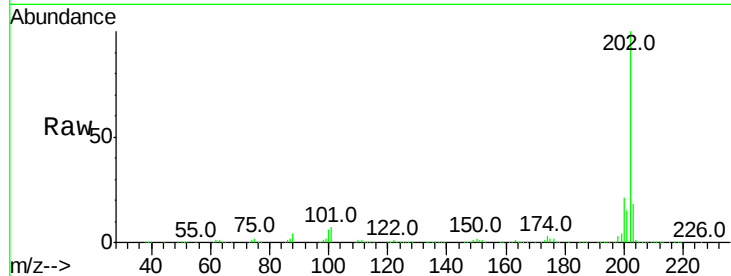
#77
Fluoranthene
 Concen: 43.88 ng/ul
 RT: 19.49 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Instrument :
 BNA_G
 ClientSampleId :
 D9N48

Tot Ion:	202	Resp:	449636
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.1	9.1
100	5.8	4.6	7.0

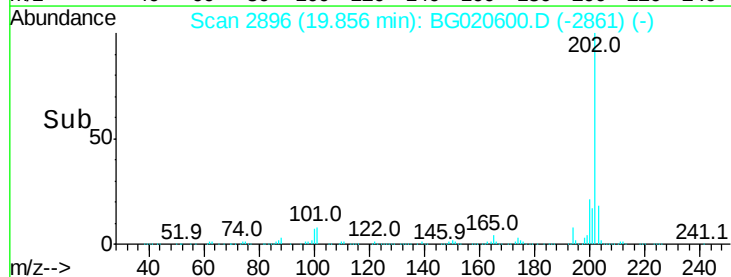
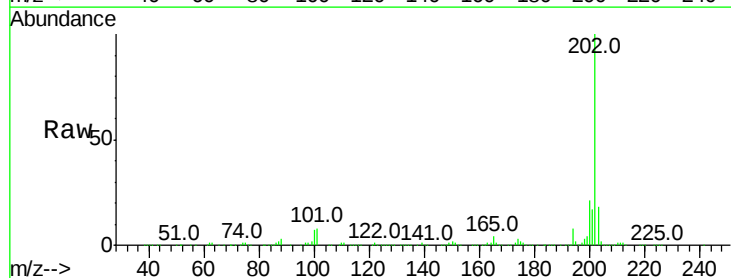
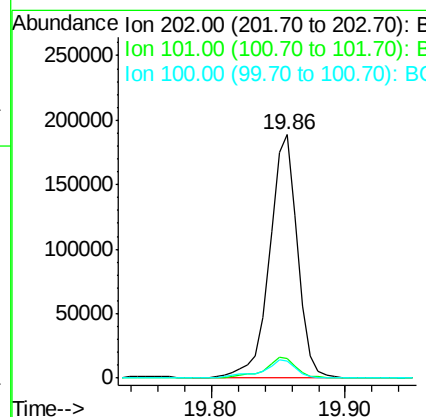
Manual Integrations
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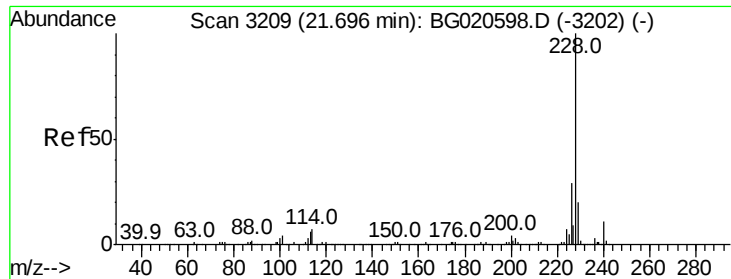
Sohil
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#80
Pyrene
 Concen: 25.49 ng/ul
 RT: 19.86 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: BG020600.D
 Acq: 30 Dec 2015 9:25

Tgt Ion:	202	Resp:	271440
Ion Ratio	Lower	Upper	
202	100		
101	8.2	6.9	10.3
100	7.0	5.6	8.4





#83

Benzo(a)anthracene

Concen: 2.29 ng/ul

RT: 21.70 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BG020600.D

Acq: 30 Dec 2015 9:25

Instrument :

BNA_G

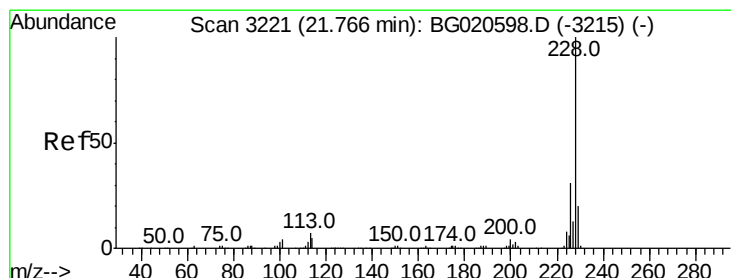
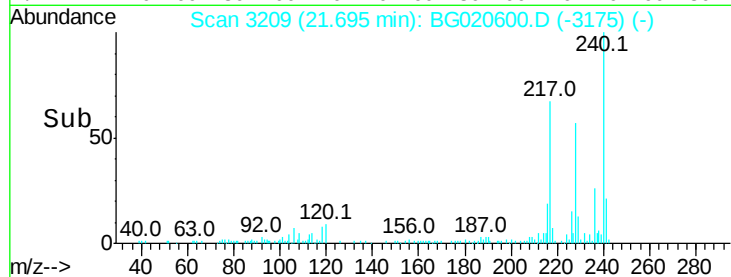
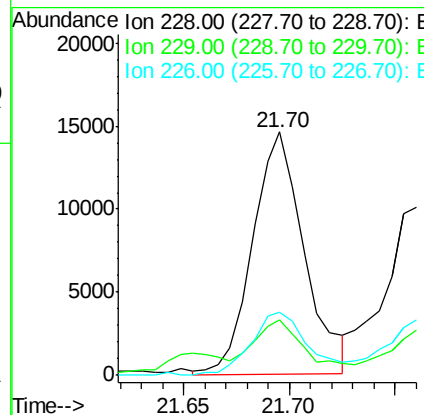
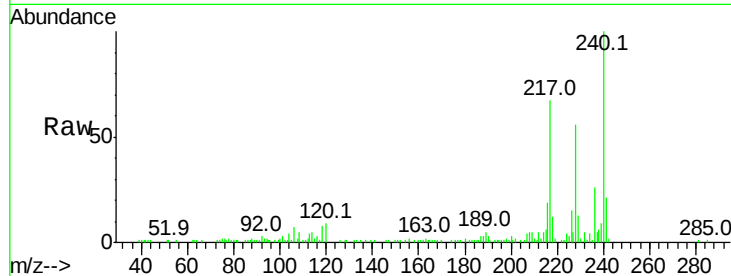
ClientSampleId :

D9N48

Tot Ion:	228	Resp:	24630
Ion Ratio	Lower	Upper	
228	100		
229	22.7	16.0	24.0
226	25.9	21.8	32.8

Manual Integrations
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#85

Chrysene

Concen: 1.91 ng/ul m

RT: 21.76 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BG020600.D

Acq: 30 Dec 2015 9:25

Tgt Ion:	228	Resp:	19338
Ion Ratio	Lower	Upper	
228	100		
226	33.0	24.1	36.1
229	27.1	16.0	24.0#

