

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
 Data File : BG020495.D
 Acq On : 25 Dec 2015 5:43
 Operator : UM/SJ
 Sample : G4846-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:03:48 PM

Quant Time: Dec 25 23:13:58 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	46497	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	212443	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.71	164	150133	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	372355	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	458564	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	444800	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	387	0.46	ng/uL	0.00
5) Phenol-d5	7.24	99	10534	2.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	30592	13.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	31724	11.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21408	6.82	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22535	13.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	25959	13.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	44902	12.25	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	2150	0.51	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	166140	13.43	ng/ul	0.01
47) Acenaphthylene-d8	14.41	160	193155	13.47	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	4787	2.32	ng/ul	0.00
58) Fluorene-d10	15.71	176	153493	13.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	27507	11.15	ng/ul	0.01
71) Anthracene-d10	17.56	188	239755	13.75	ng/ul	0.01
79) Pyrene-d10	19.84	212	284115	14.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	319956	14.23	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.02	128	7366593	652.30	ng/ul#	50
34) 2-Methylnaphthalene	12.56	142	1337976	160.12	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	423611	36.56	ng/ul	97
48) Acenaphthylene	14.44	152	249618	16.56	ng/ul	98
50) Acenaphthene	14.80	153	1697866	166.65	ng/ul	93
54) Dibenzofuran	15.12	168	1393871	91.96	ng/ul	92
59) Fluorene	15.77	166	1160517	94.48	ng/ul	97
70) Phenanthrene	17.52	178	2168806m	104.68	ng/ul	
72) Anthracene	17.59	178	190981m	9.01	ng/ul	
75) Carbazole	17.88	167	1662495	93.12	ng/ul#	91
77) Fluoranthene	19.51	202	423183	16.24	ng/ul	97
80) Pyrene	19.87	202	248130	9.57	ng/ul	98

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

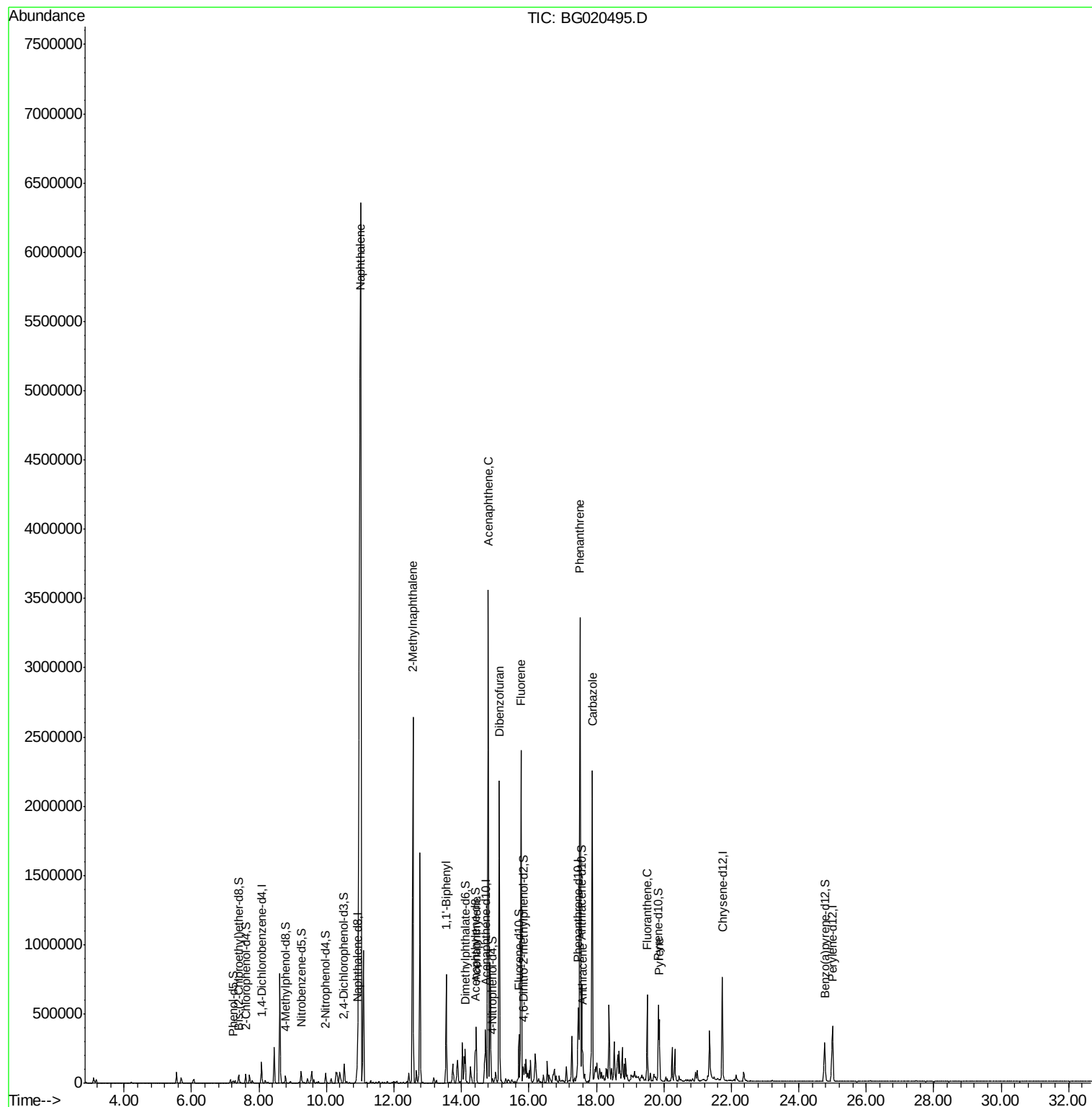
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
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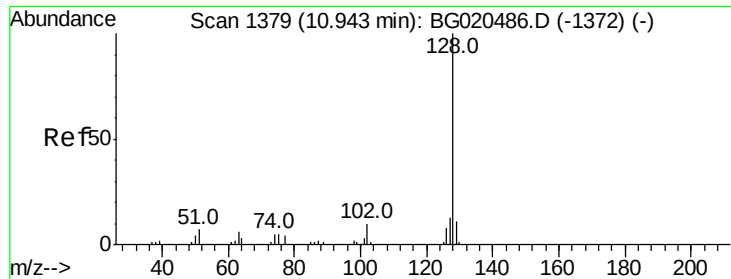
Instrument :
BNA_G
ClientSampleId :
D9N49

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Quant Title : SVOA CALIBRATION
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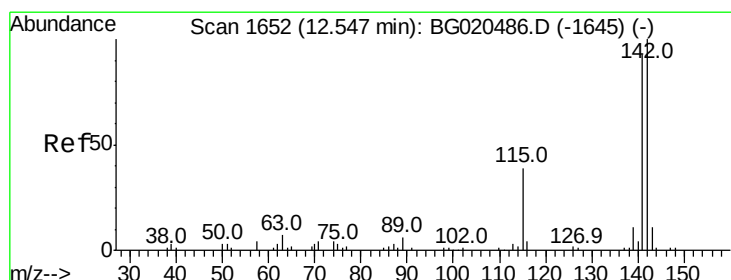
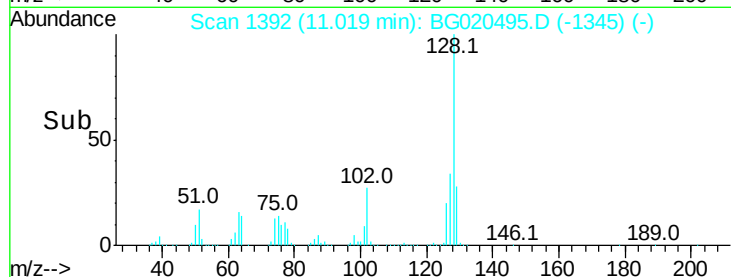
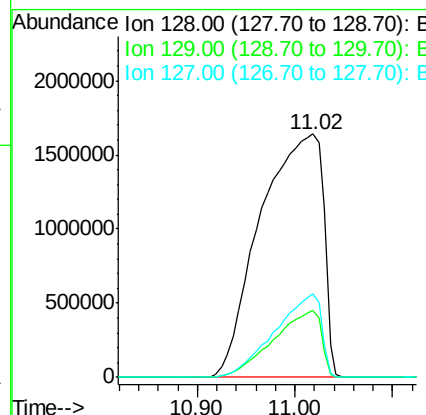
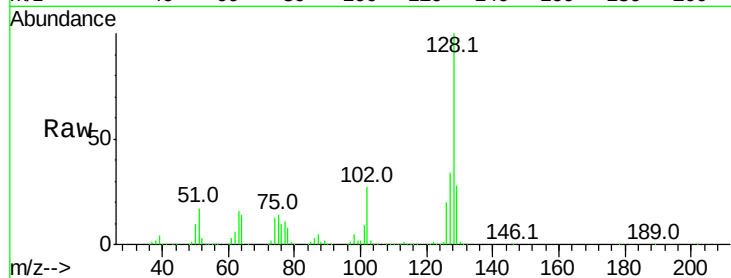
#28
Naphthalene
Concen: 652.30 ng/ul
RT: 11.02 min Scan# 1392
Delta R.T. 0.08 min
Lab File: BG020495.D
Acq: 25 Dec 2015 5:43

Instrument :
BNA_G
ClientSampleId :
D9N49

Tot Ion:128 Resp: 7366593
Ion Ratio Lower Upper
128 100
129 27.6 8.6 12.8#
127 34.1 10.1 15.1#

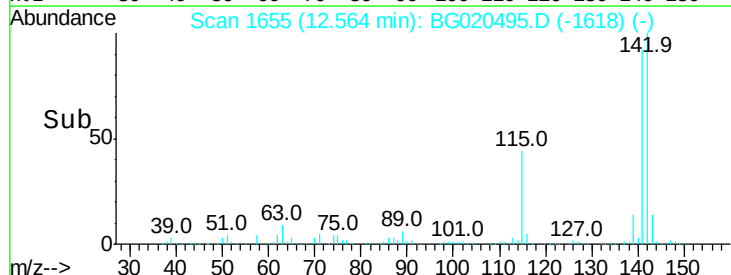
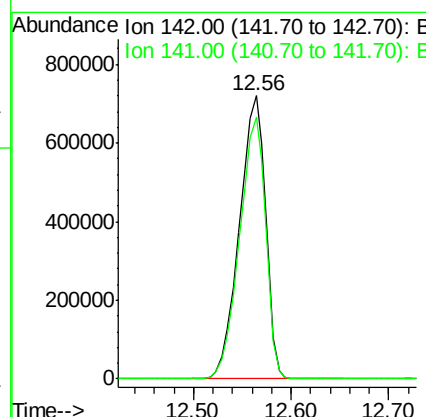
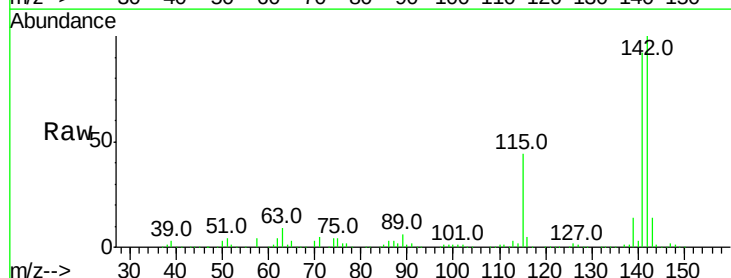
Manual Integrations
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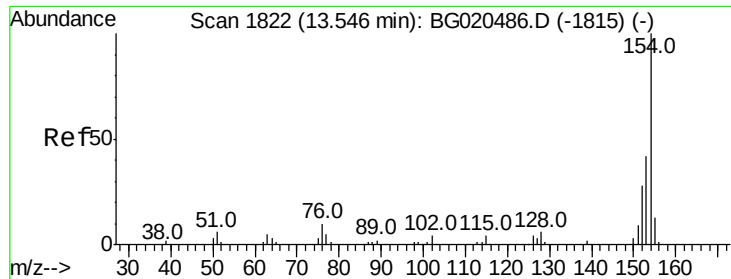
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#34
2-Methylnaphthalene
Concen: 160.12 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.02 min
Lab File: BG020495.D
Acq: 25 Dec 2015 5:43

Tgt Ion:142 Resp: 1337976
Ion Ratio Lower Upper
142 100
141 92.4 74.9 112.3





#41

1,1'-Biphenyl

Concen: 36.56 ng/ul

RT: 13.55 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

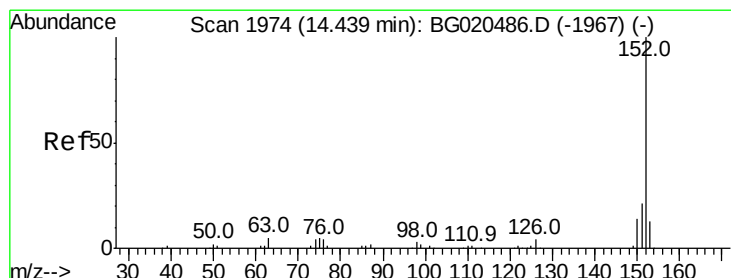
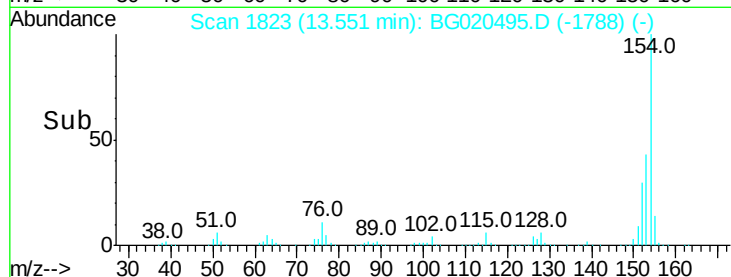
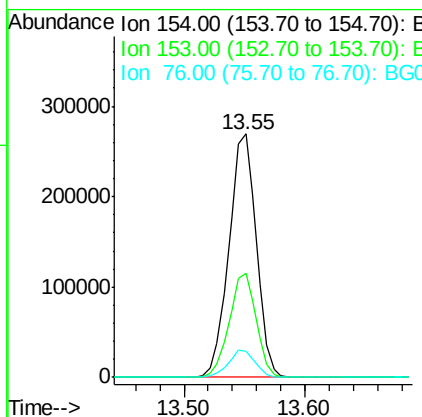
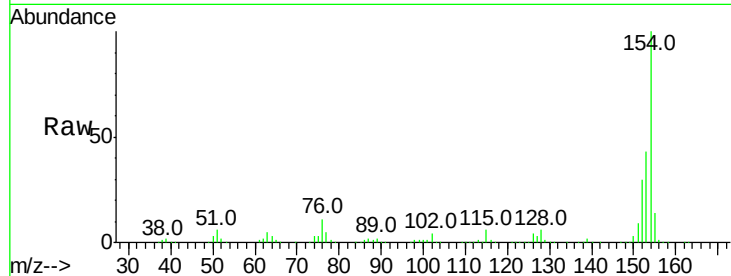
ClientSampleId :

D9N49

Tot Ion:	154	Resp:	423611
Ion Ratio	Lower	Upper	
154	100		
153	42.8	35.5	53.3
76	10.7	10.4	15.6

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#48

Acenaphthylene

Concen: 16.56 ng/ul

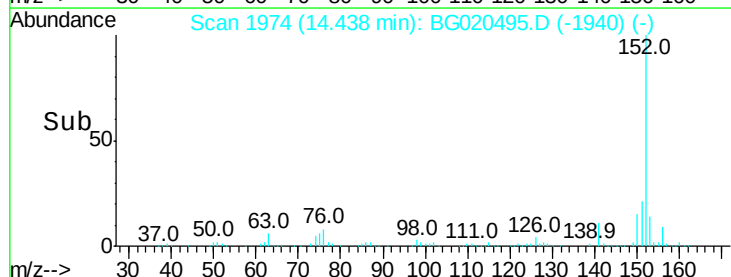
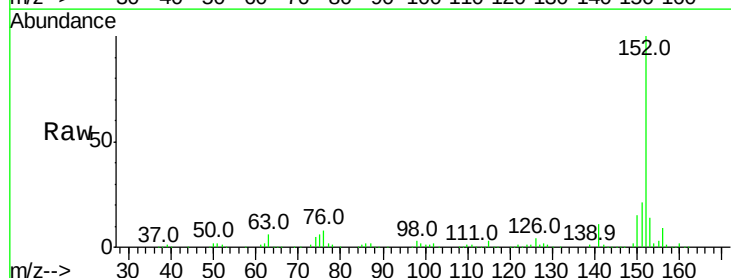
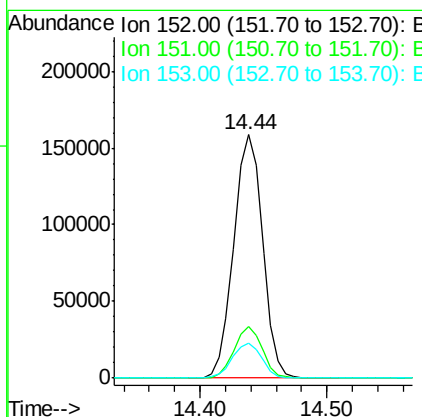
RT: 14.44 min Scan# 1974

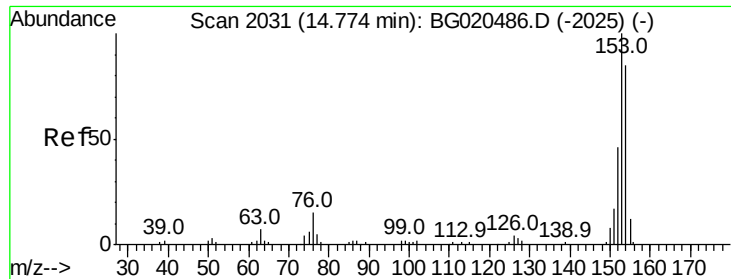
Delta R.T. -0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Tgt Ion:	152	Resp:	249618
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.4	24.6
153	14.4	10.4	15.6





#50

Acenaphthene

Concen: 166.65 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

D9N49

Tot Ion:153 Resp: 1697866

Ion Ratio Lower Upper

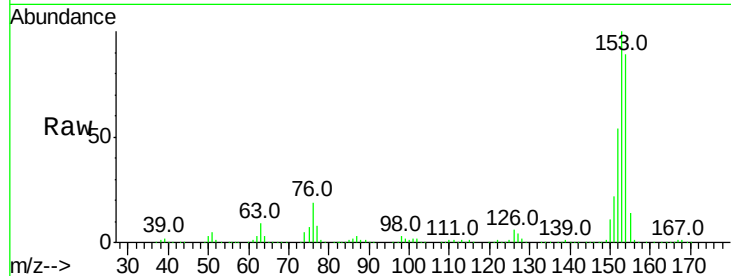
153 100

152 54.2 37.6 56.4

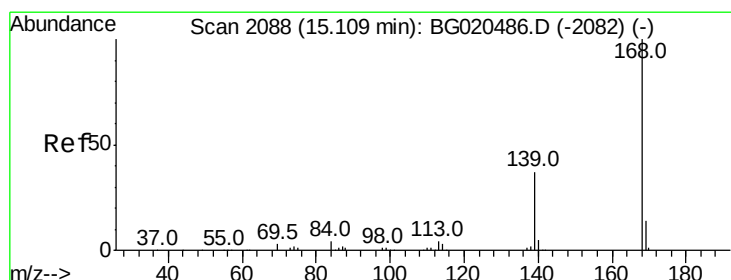
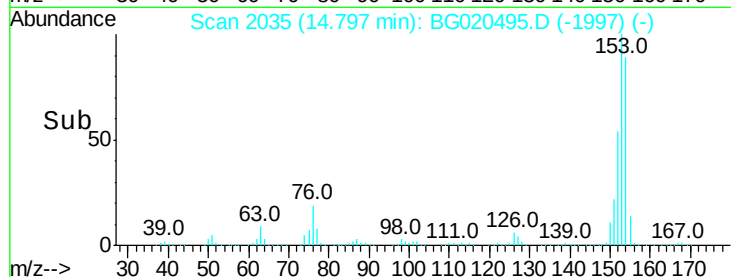
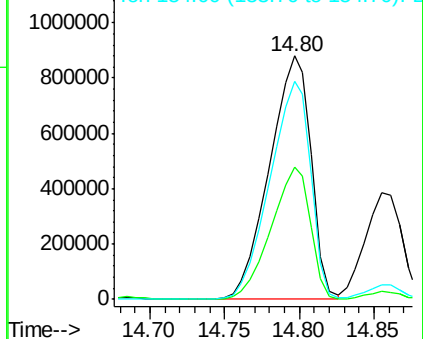
154 89.5 67.9 101.9

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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: 91.96 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020495.D

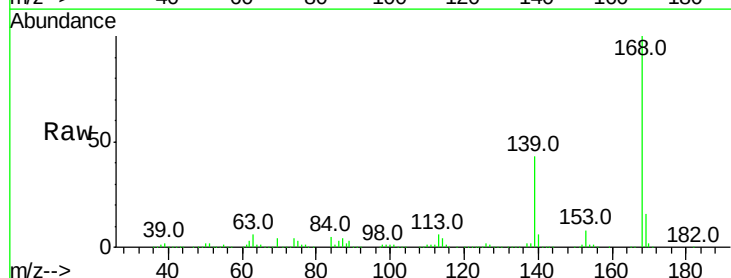
Acq: 25 Dec 2015 5:43

Tgt Ion:168 Resp: 1393871

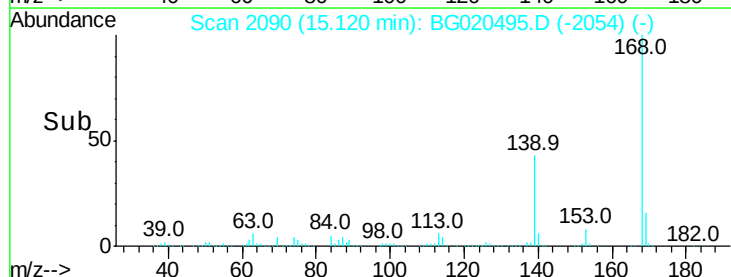
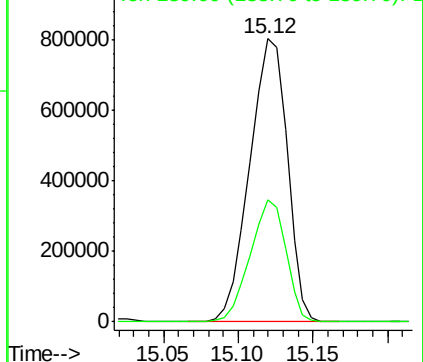
Ion Ratio Lower Upper

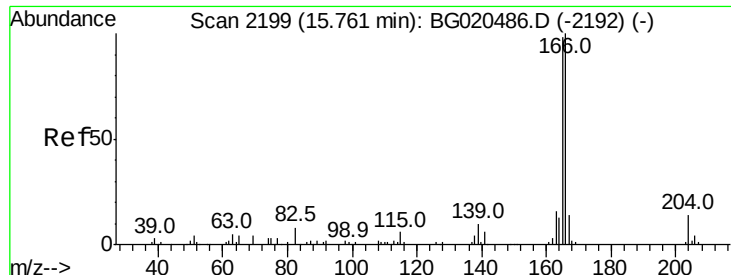
168 100

139 43.0 30.5 45.7



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





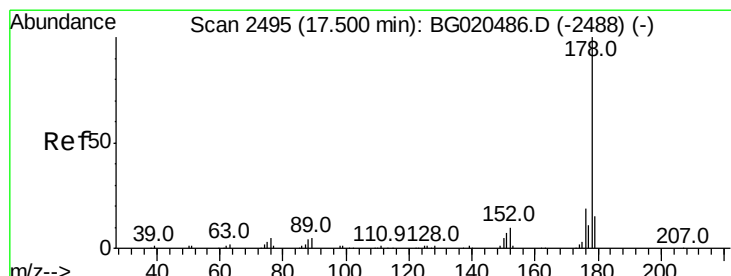
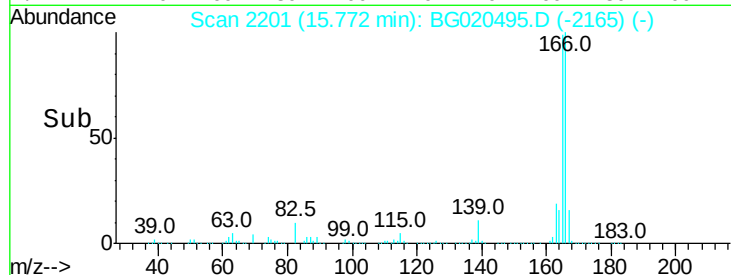
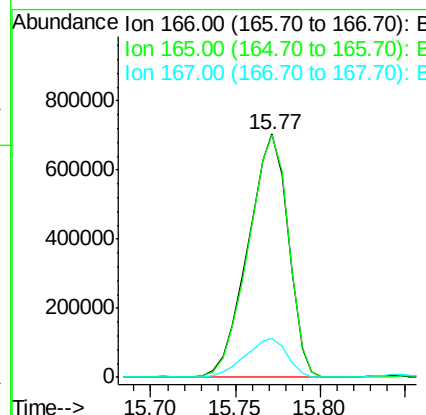
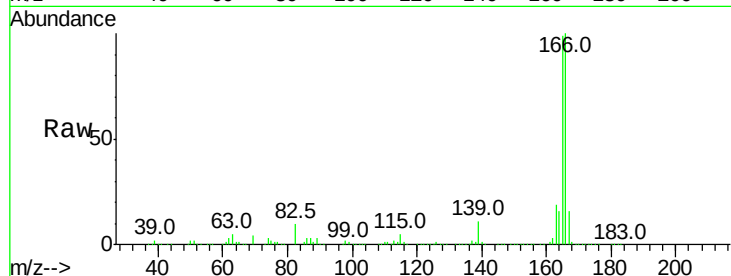
#59
 Fluorene
 Concen: 94.48 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N49

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	81.4	122.0
167	16.2	11.2	16.8

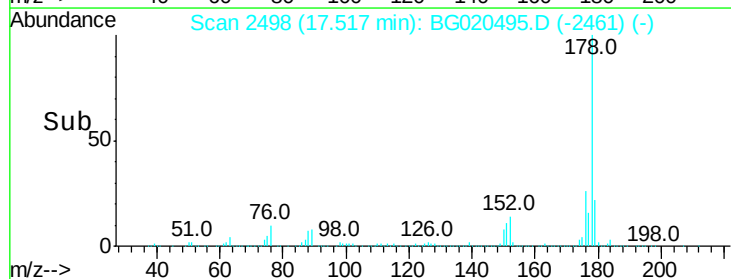
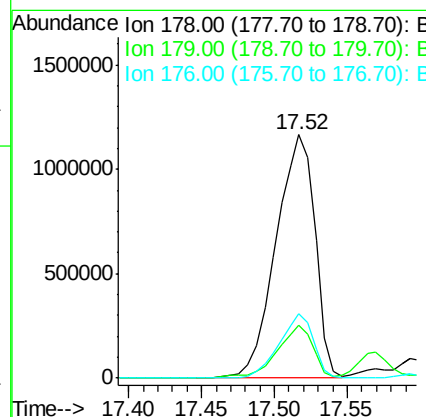
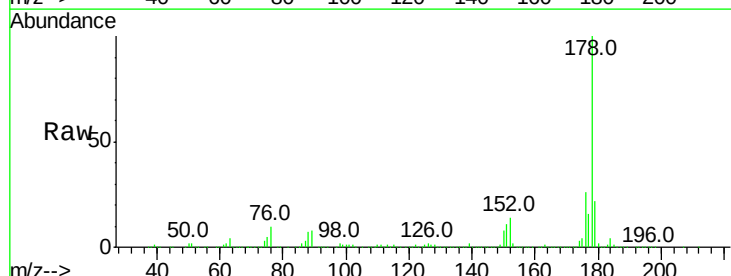
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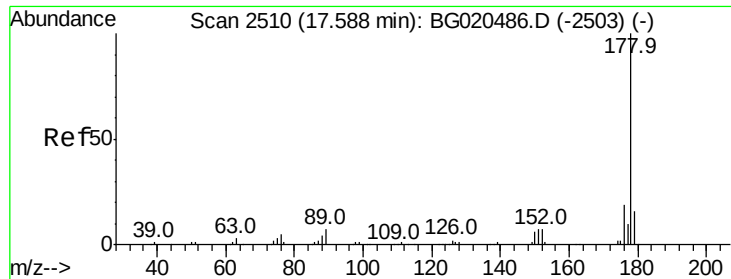
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#70
 Phenanthrene
 Concen: 104.68 ng/ul m
 RT: 17.52 min Scan# 2498
 Delta R.T. 0.02 min
 Lab File: BG020495.D
 Acq: 25 Dec 2015 5:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.7	12.9	19.3#
176	26.3	15.3	22.9#





#72

Anthracene

Concen: 9.01 ng/ul m

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

ClientSampleId :

D9N49

Tot Ion:178 Resp: 190981

Ion Ratio Lower Upper

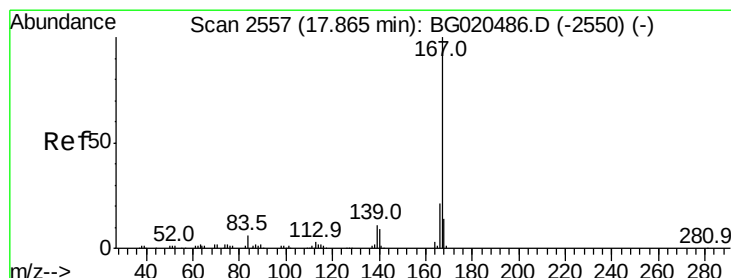
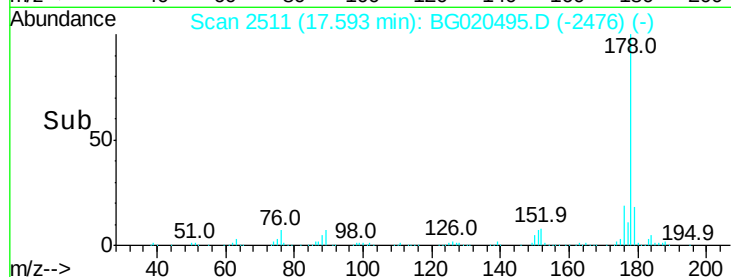
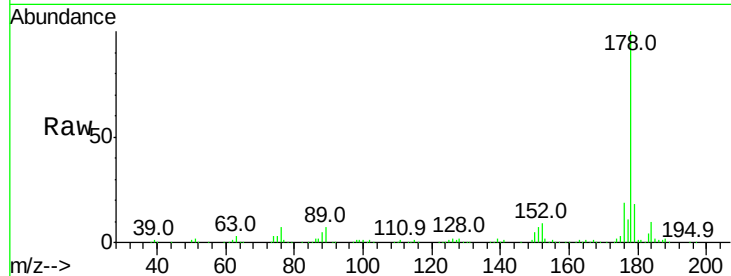
178 100

179 17.8 12.3 18.5

176 19.1 14.3 21.5

Manual Integrations
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#75

Carbazole

Concen: 93.12 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

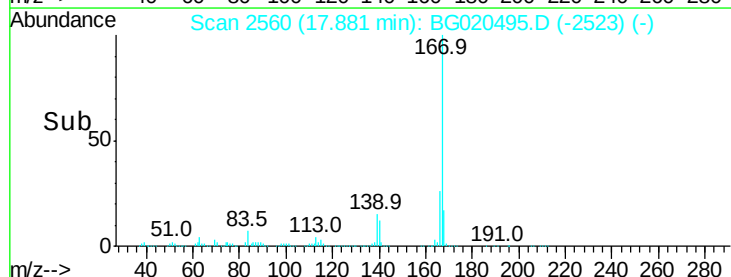
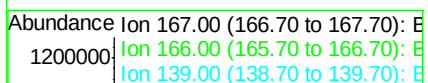
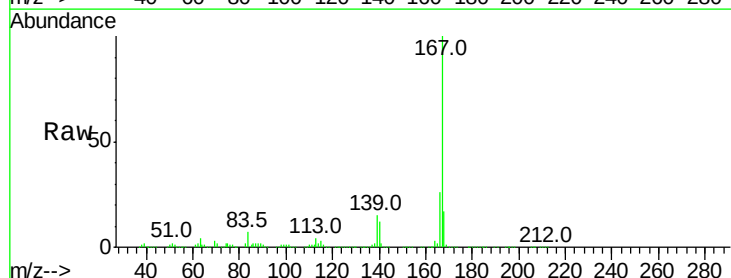
Tgt Ion:167 Resp: 1662495

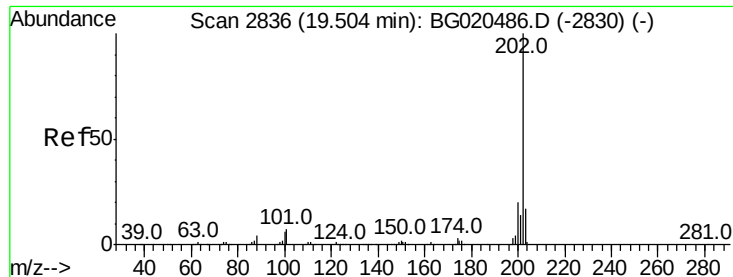
Ion Ratio Lower Upper

167 100

166 26.3 17.0 25.6#

139 15.3 10.1 15.1#





#77

Fluoranthene

Concen: 16.24 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Instrument :

BNA_G

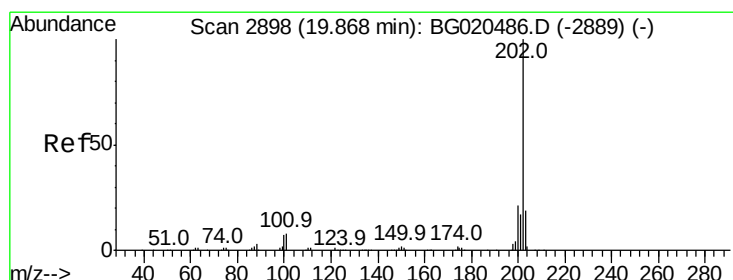
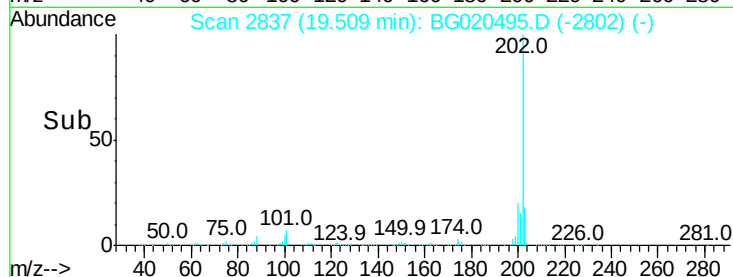
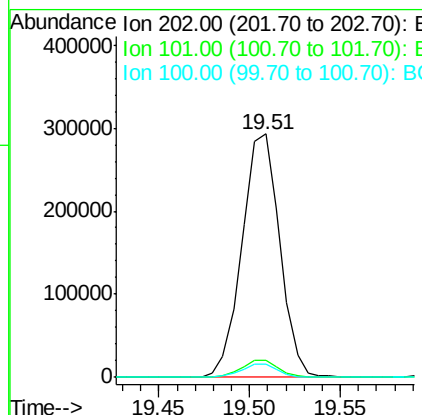
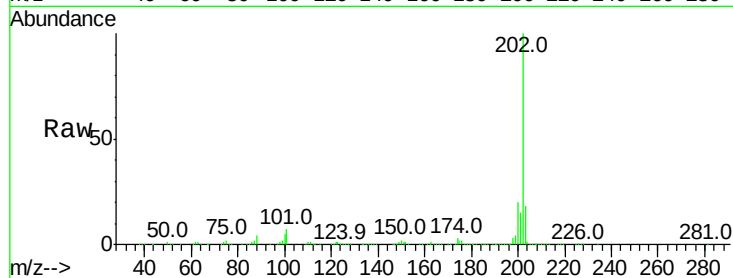
ClientSampleId :

D9N49

Tot Ion	202	Resp	423183
Ion Ratio	Lower	Upper	
202	100		
101	6.8	6.2	9.4
100	5.3	5.1	7.7

Manual Integrations
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#80

Pyrene

Concen: 9.57 ng/ul

RT: 19.87 min Scan# 2898

Delta R.T. -0.00 min

Lab File: BG020495.D

Acq: 25 Dec 2015 5:43

Tgt Ion	202	Resp	248130
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
100	6.7	6.4	9.6

