

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020439.D
 Acq On : 23 Dec 2015 12:11
 Operator : UM/SJ
 Sample : G4768-16DL 50X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:22 PM

Quant Time: Dec 23 16:00:58 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	23400	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	102824	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.72	164	77658	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	196616	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	246869	20.00	ng/ul	-0.01
86) Perylene-d12	25.00	264	233125	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.40	99	317	0.15	ng/ul	0.15
7) Bis-(2-Chloroethyl)ether-d	7.41	67	460	0.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	585	0.39	ng/ul	-0.01
13) 4-Methylphenol-d8	8.81	113	300	0.17	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	153	0.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	270	0.30	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.52	165	670	0.37	ng/ul	-0.01
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.11	166	4141	0.66	ng/ul	-0.01
47) Acenaphthylene-d8	14.41	160	4835	0.66	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4165	0.73	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	7238m	0.80	ng/ul	-0.01
79) Pyrene-d10	19.84	212	7286	0.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	7328	0.63	ng/ul	-0.02

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	126377	23.54	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	17371	4.24	ng/ul	100
41) 1,1'-Biphenyl	13.55	154	7267	1.24	ng/ul#	88
50) Acenaphthene	14.78	153	37257	7.13	ng/ul	98
54) Dibenzofuran	15.11	168	26961	3.47	ng/ul	96
59) Fluorene	15.76	166	22776	3.65	ng/ul	96
70) Phenanthrene	17.50	178	55992	5.21	ng/ul	99
75) Carbazole	17.86	167	40663	4.44	ng/ul	98

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

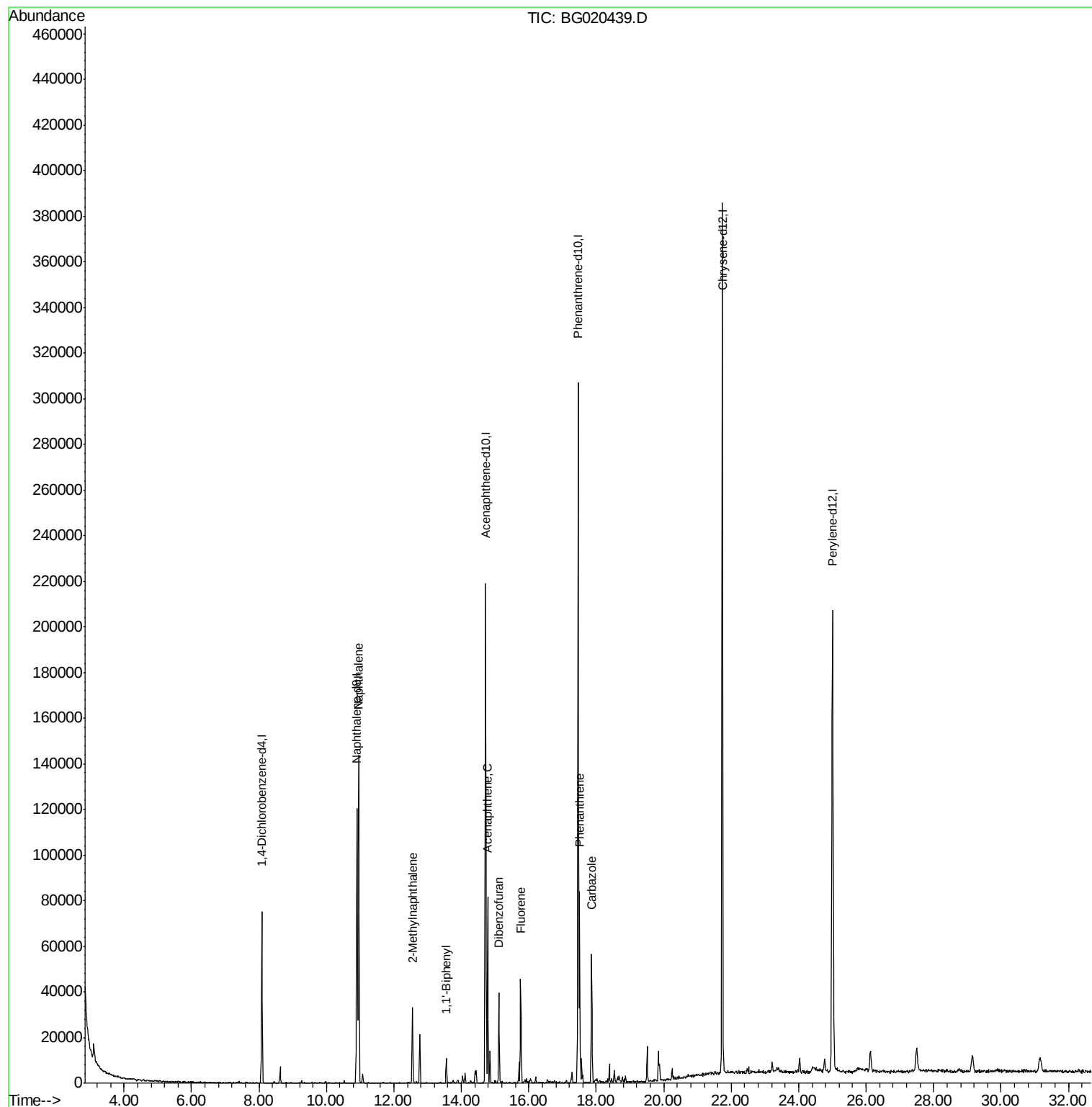
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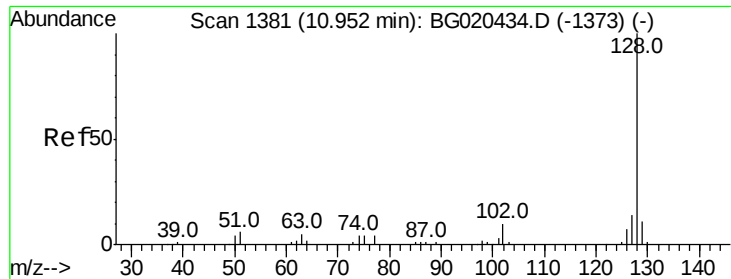
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Response via : Initial Calibration





#28

Naphthalene

Concen: 23.54 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BG020439.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_G

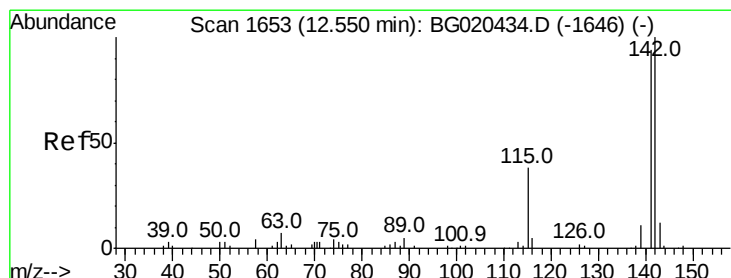
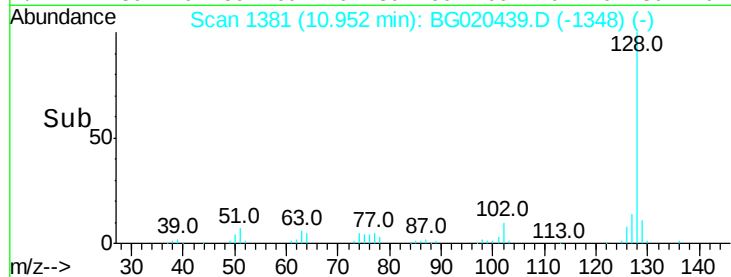
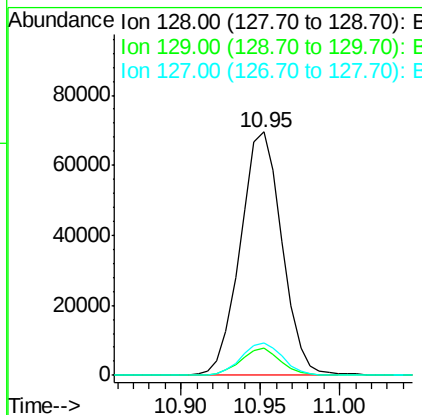
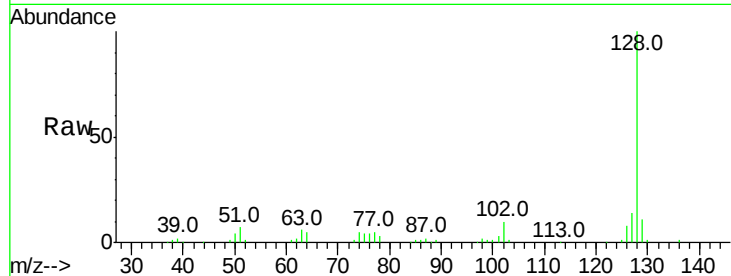
ClientSampleId :

D9N40DL

Tot Ion:	128	Resp:	126377
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	12.8
127	13.5	10.1	15.1

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 4.24 ng/ul

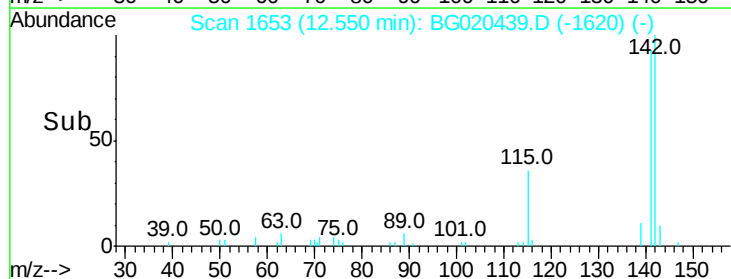
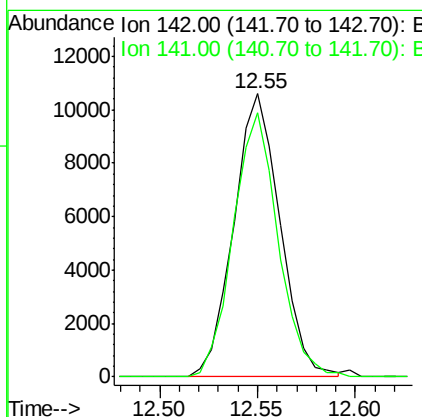
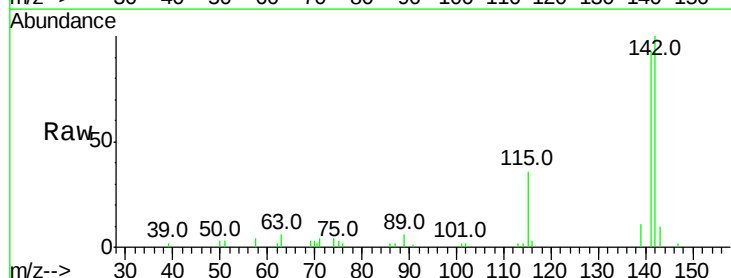
RT: 12.55 min Scan# 1653

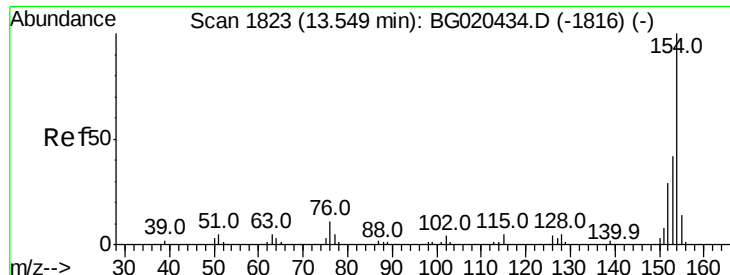
Delta R.T. -0.01 min

Lab File: BG020439.D

Acq: 23 Dec 2015 12:11

Tgt Ion:	142	Resp:	17371
Ion Ratio	Lower	Upper	
142	100		
141	93.3	74.9	112.3





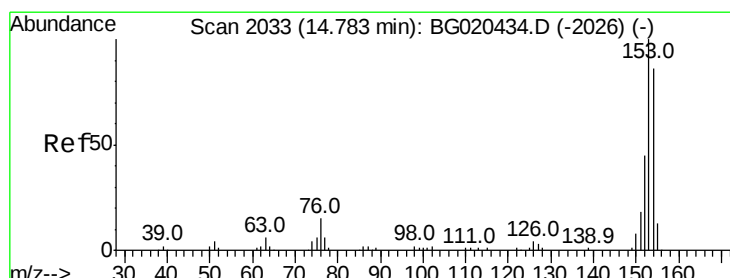
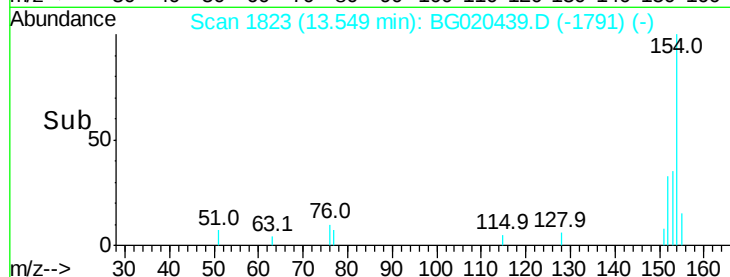
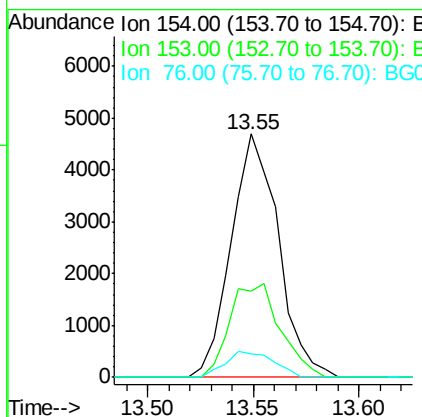
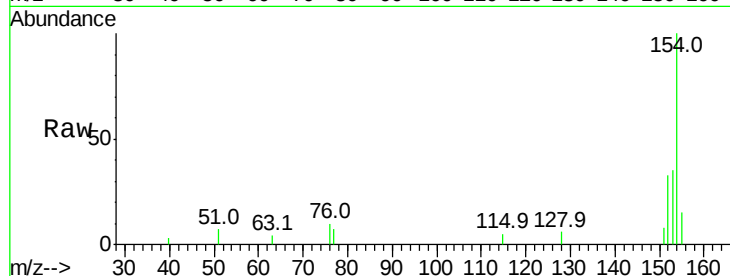
#41
 1,1'-Biphenyl
 Concen: 1.24 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BG020439.D
 Acq: 23 Dec 2015 12:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N40DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	35.5	35.5	53.3#
76	9.9	10.4	15.6#

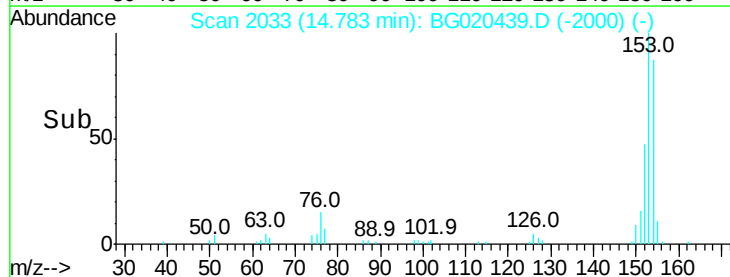
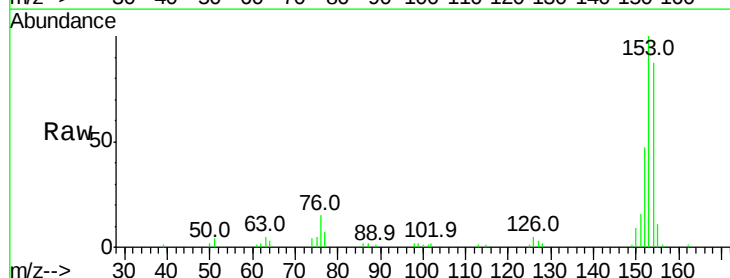
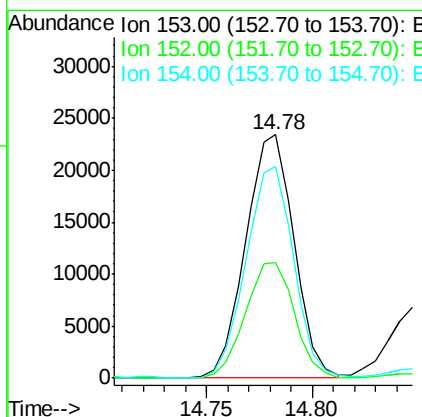
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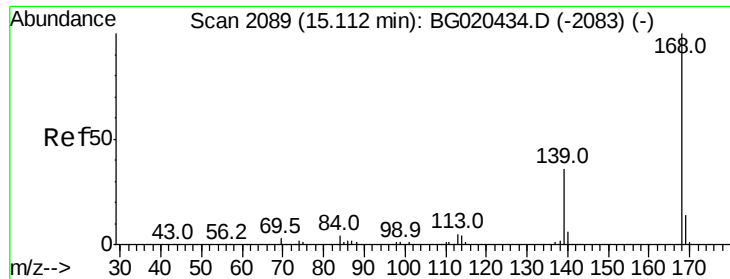
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#50
 Acenaphthene
 Concen: 7.13 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BG020439.D
 Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.6	56.4
154	86.9	67.9	101.9





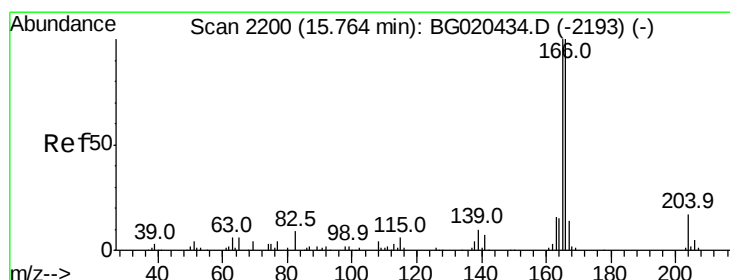
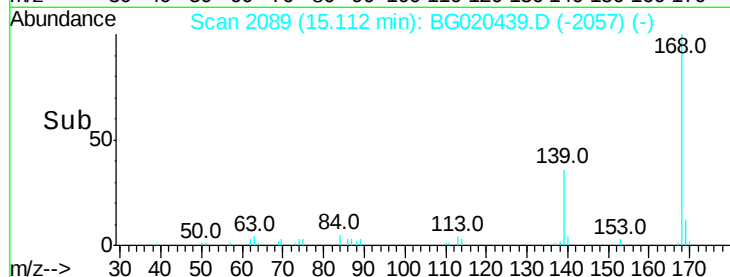
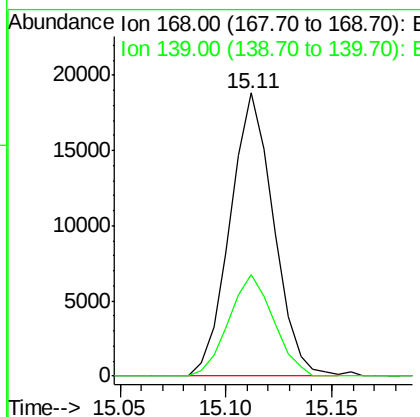
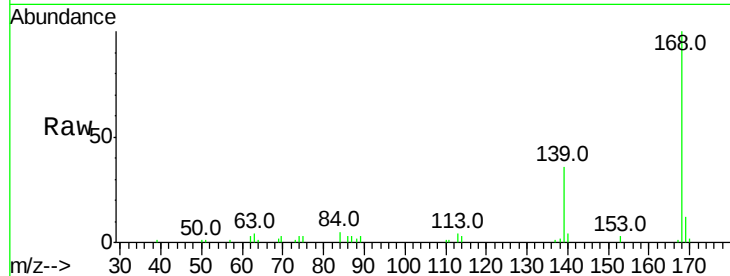
#54
Dibenzenofuran
Concen: 3.47 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. -0.01 min
Lab File: BG020439.D
Acq: 23 Dec 2015 12:11

Instrument :
BNA_G
ClientSampleId :
D9N40DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.5	45.7

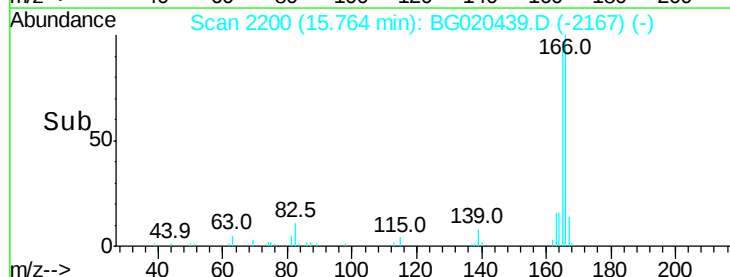
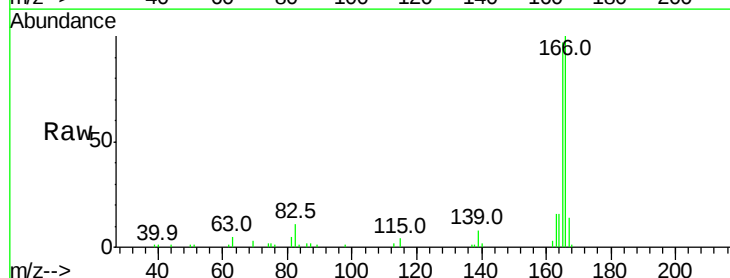
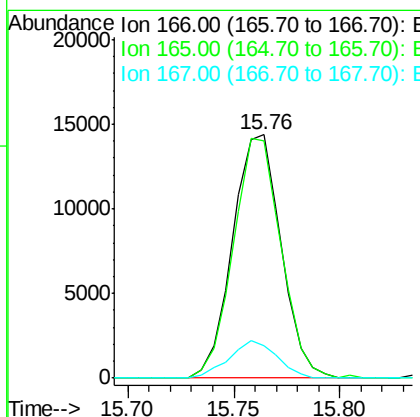
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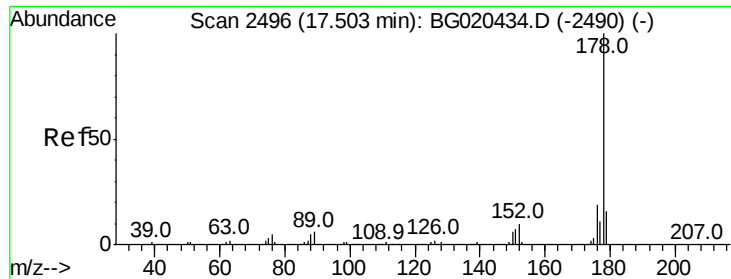
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#59
Fluorene
Concen: 3.65 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG020439.D
Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	81.4	122.0
167	13.5	11.2	16.8





#70

Phenanthrene

Concen: 5.21 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BG020439.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_G

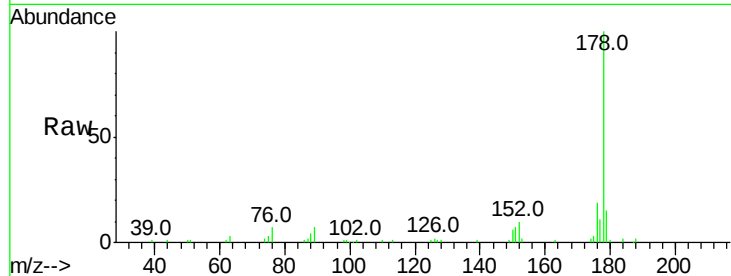
ClientSampleId :

D9N40DL

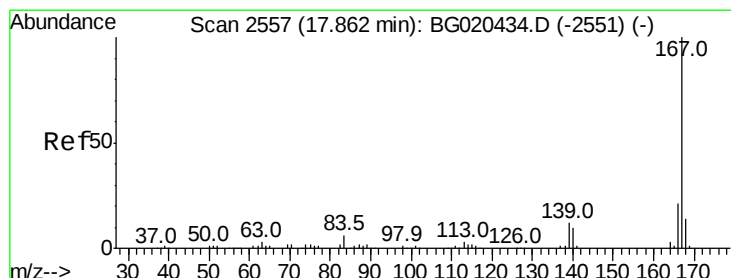
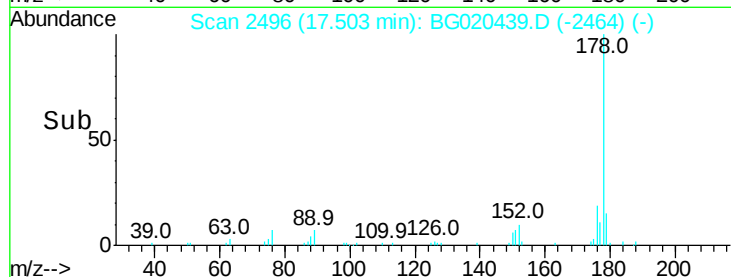
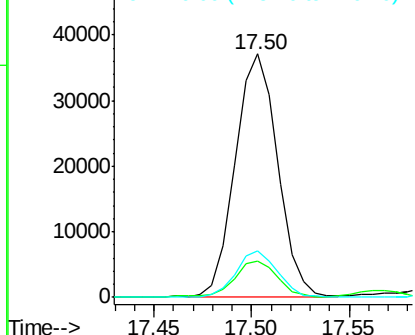
Tot Ion:	178	Resp:	55992
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.9	19.3
176	19.4	15.3	22.9

Manual Integrations
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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: 4.44 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BG020439.D

Acq: 23 Dec 2015 12:11

Tgt Ion:	167	Resp:	40663
Ion Ratio	Lower	Upper	
167	100		
166	19.8	17.0	25.6
139	13.0	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

