

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020428.D
 Acq On : 23 Dec 2015 4:49
 Operator : UM/SJ
 Sample : G4849-09DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9N73DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:49 PM

Quant Time: Dec 23 08:22:02 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17570	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	77041	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	54949	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	128430	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	155596	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	150375	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	515	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	487	0.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	595	0.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	519	0.39	ng/ul	0.00
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	9.98	143	219	0.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	732	0.54	ng/ul	0.01
29) 4-Chloroaniline-d4	11.03	131	756	0.50	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3112	0.70	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	3665	0.71	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	3055	0.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	4902	0.83	ng/ul	0.00
79) Pyrene-d10	19.84	212	4939	0.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	5314	0.71	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.95	128	272628	67.76	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	87609	28.51	ng/ul	100
41) 1,1'-Biphenyl	13.55	154	36290	8.75	ng/ul#	92
48) Acenaphthylene	14.44	152	9530	1.73	ng/ul	95
50) Acenaphthene	14.78	153	164756	44.57	ng/ul	99
54) Dibenzofuran	15.12	168	173228	31.50	ng/ul	99
59) Fluorene	15.76	166	170822	38.69	ng/ul	99
70) Phenanthrene	17.51	178	764155	108.78	ng/ul	98
72) Anthracene	17.60	178	80951	11.36	ng/ul	100
75) Carbazole	17.87	167	48960	8.18	ng/ul	99
77) Fluoranthene	19.51	202	452990	55.17	ng/ul	99
80) Pyrene	19.88	202	299180	31.77	ng/ul	97
83) Benzo(a)anthracene	21.71	228	72442	7.98	ng/ul	99
85) Chrysene	21.78	228	59257	6.93	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	33566	3.71	ng/ul	96
89) Benzo(k)fluoranthene	24.01	252	13548m	1.56	ng/ul	
91) Benzo(a)pyrene	24.85	252	19839	2.31	ng/ul	99

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

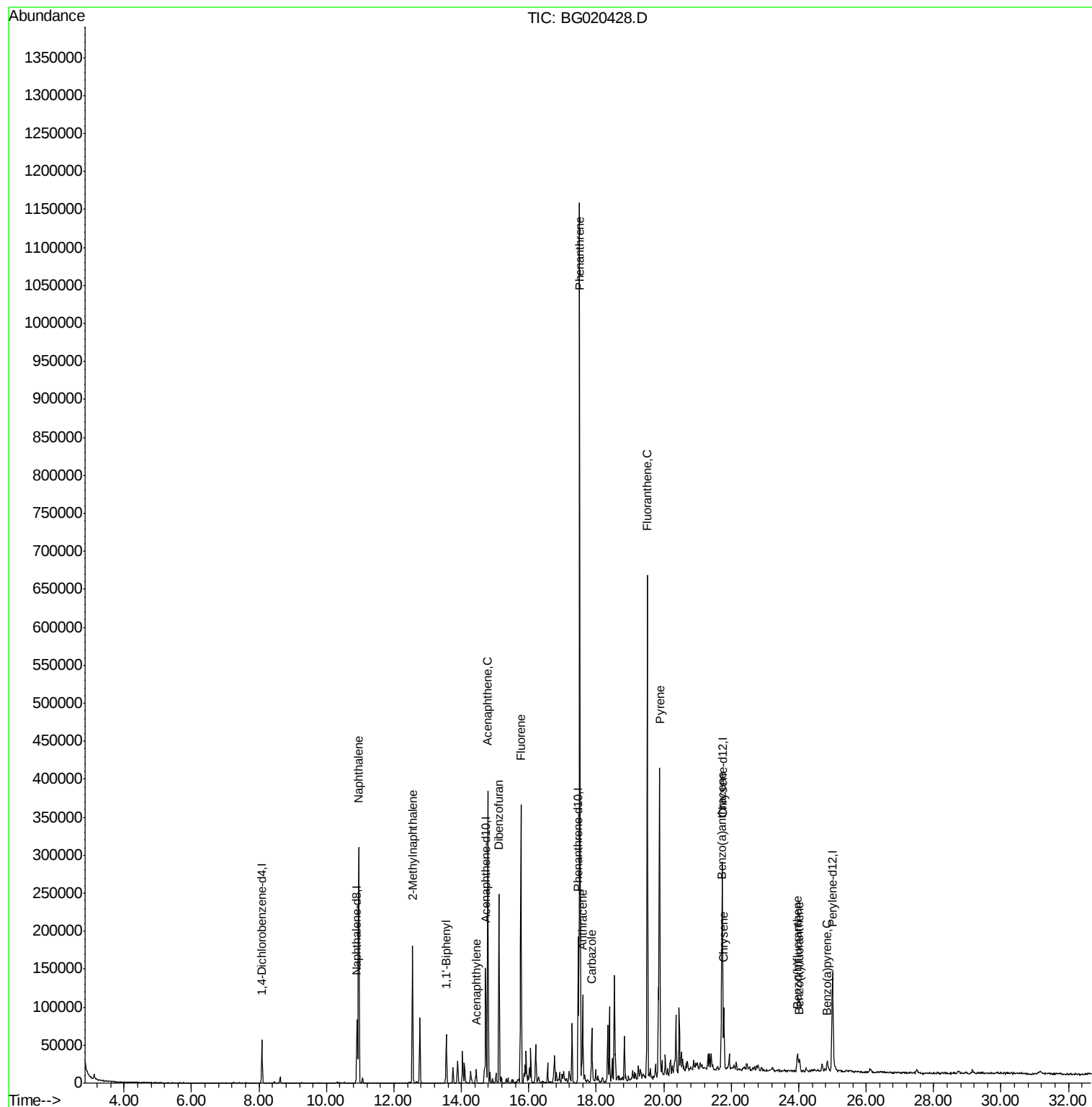
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020428.D
Acq On : 23 Dec 2015 4:49
Operator : UM/SJ
Sample : G4849-09DL 30X
Misc :
ALS Vial : 20 Sample Multiplier: 1

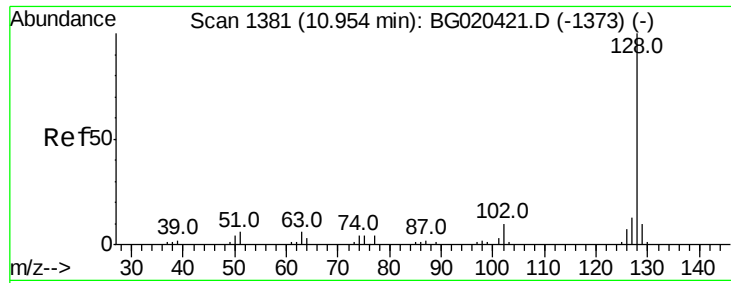
Instrument :
BNA_G
ClientSampleId :
D9N73DL

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Quant Time: Dec 23 08:22:02 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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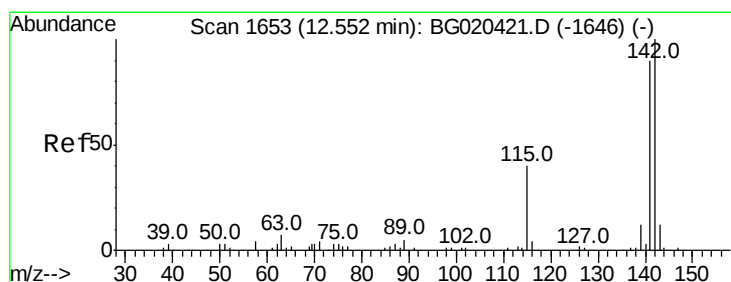
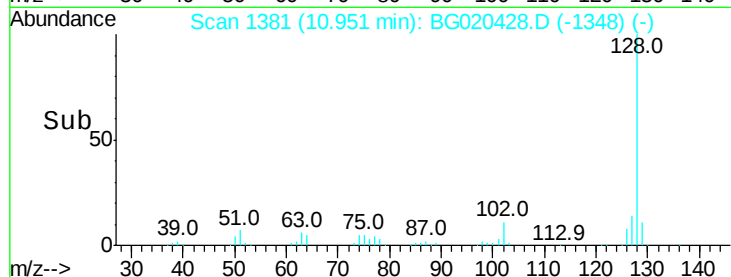
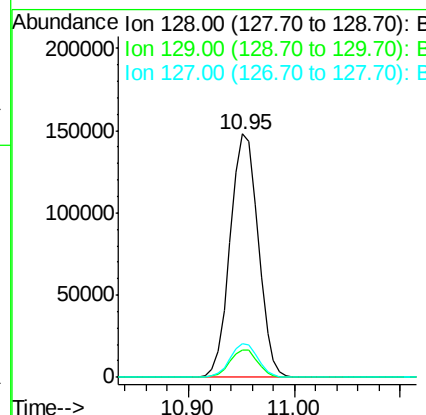
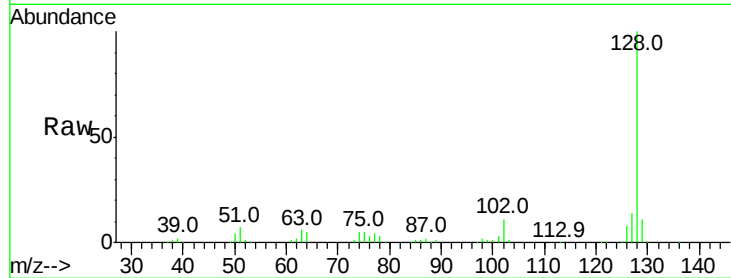
#28
Naphthalene
Concen: 67.76 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG020428.D
Acq: 23 Dec 2015 4:49

Instrument :
BNA_G
ClientSampleId :
D9N73DL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.7	10.1	15.1

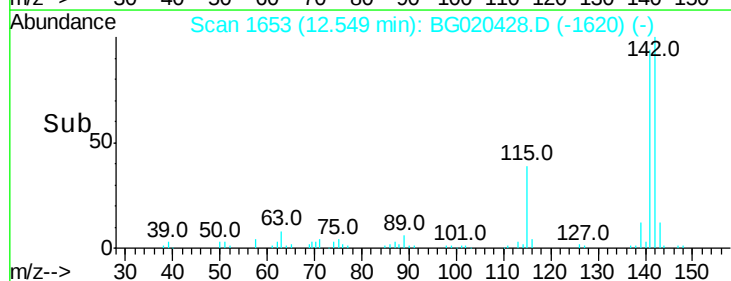
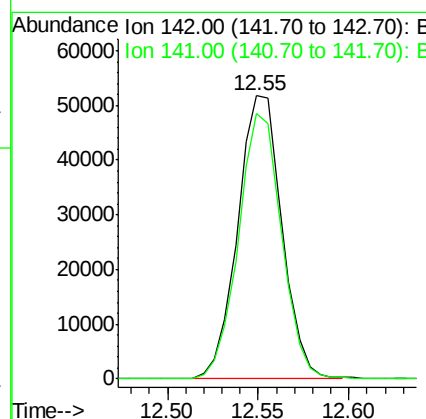
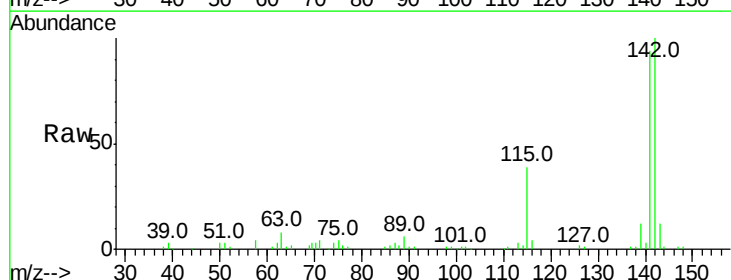
Manual Integrations
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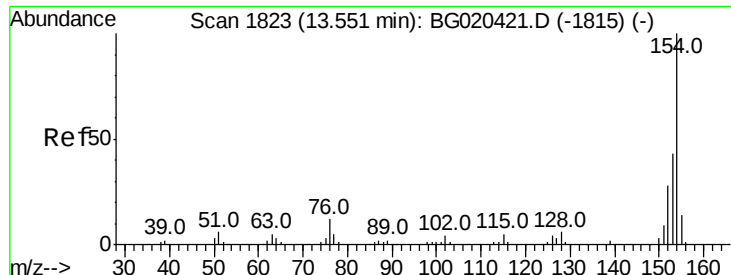
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#34
2-Methylnaphthalene
Concen: 28.51 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BG020428.D
Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	93.6	74.9	112.3





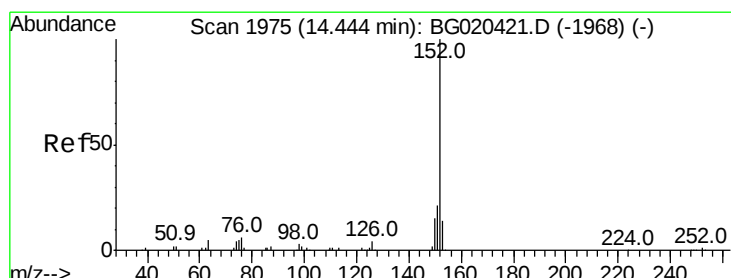
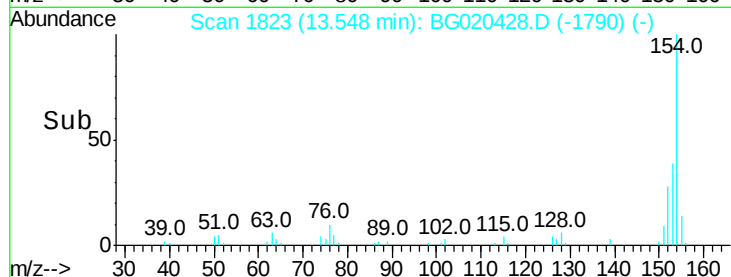
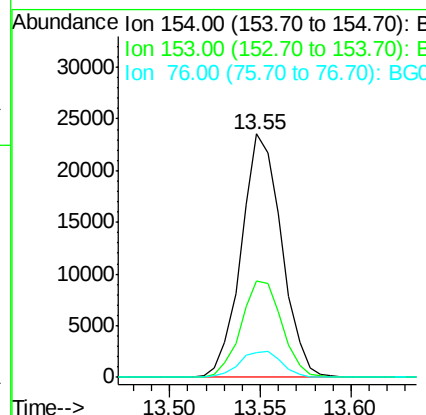
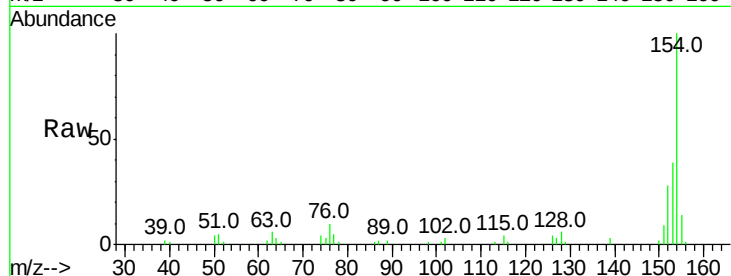
#41
 1,1'-Biphenyl
 Concen: 8.75 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	39.4	35.5	53.3
76	10.3	10.4	15.6

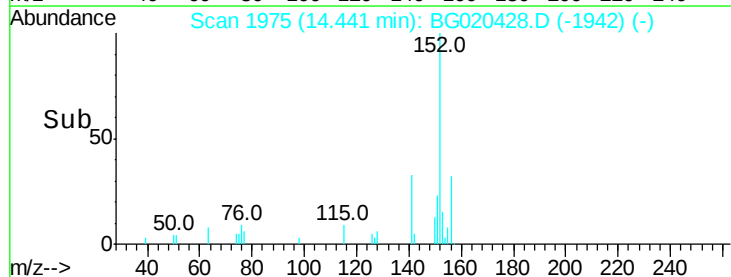
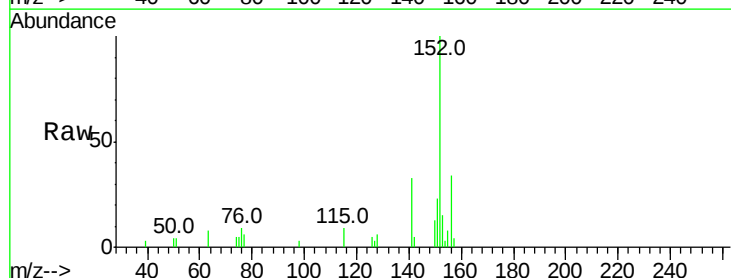
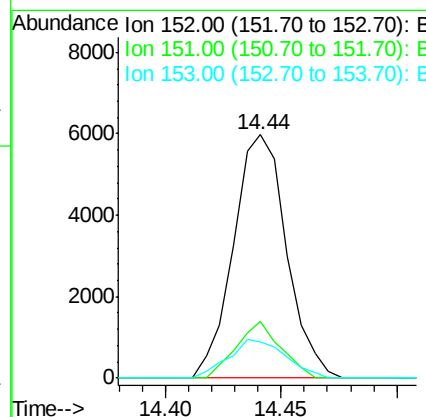
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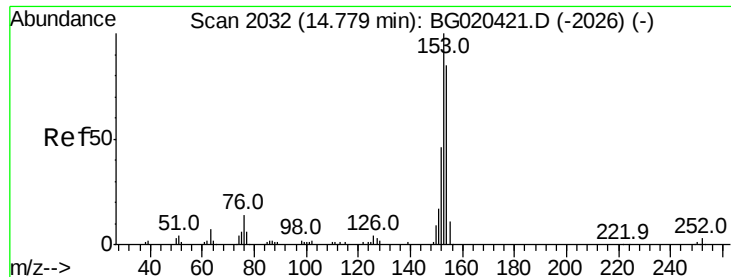
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#48
 Acenaphthylene
 Concen: 1.73 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	23.1	16.4	24.6
153	14.9	10.4	15.6





#50

Acenaphthene

Concen: 44.57 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

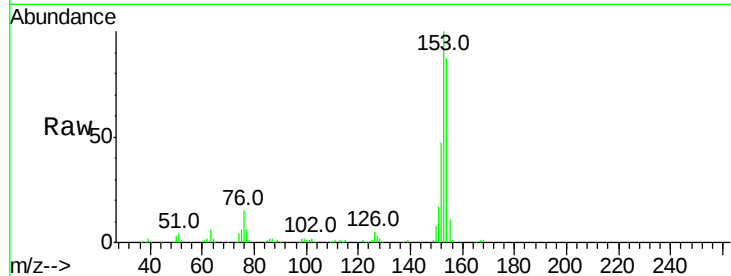
ClientSampleId :

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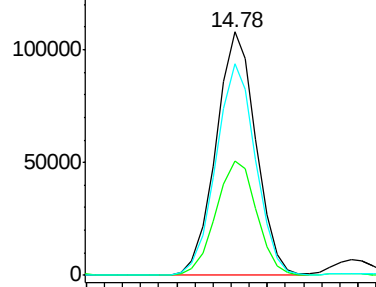
Tot Ion:	153	Resp:	164756
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.6	56.4
154	86.9	67.9	101.9

Manual Integrations
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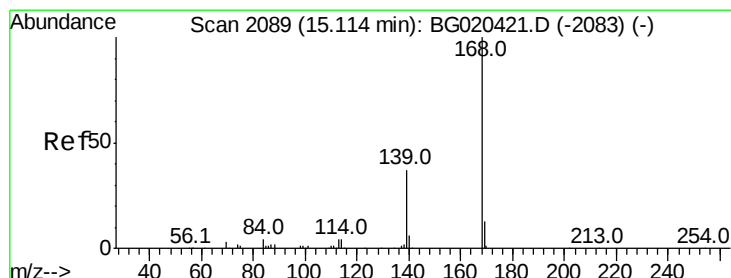
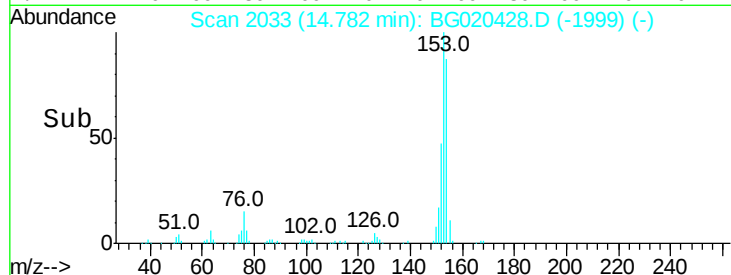
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.70 14.75 14.80



#54

Dibenzofuran

Concen: 31.50 ng/ul

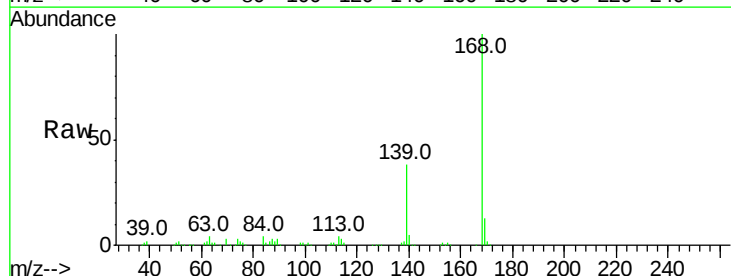
RT: 15.12 min Scan# 2090

Delta R.T. 0.00 min

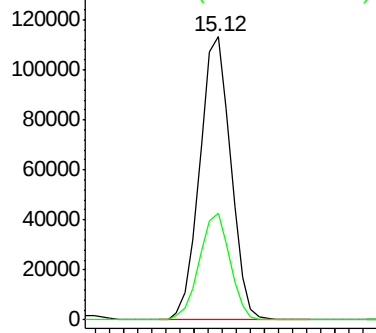
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Acq: 23 Dec 2015 4:49

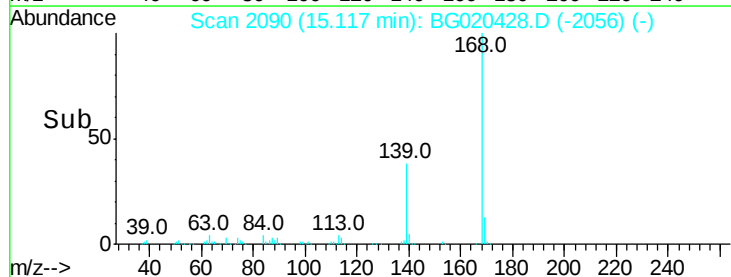
Tgt Ion:	168	Resp:	173228
Ion Ratio	Lower	Upper	
168	100		
139	37.6	30.5	45.7

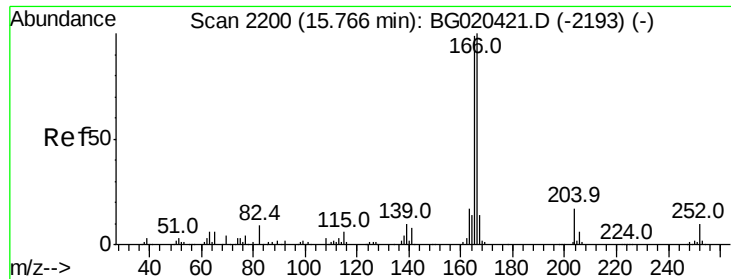


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E



Time--> 15.05 15.10 15.15 15.20





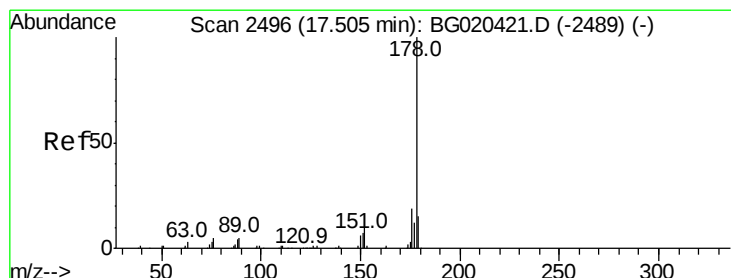
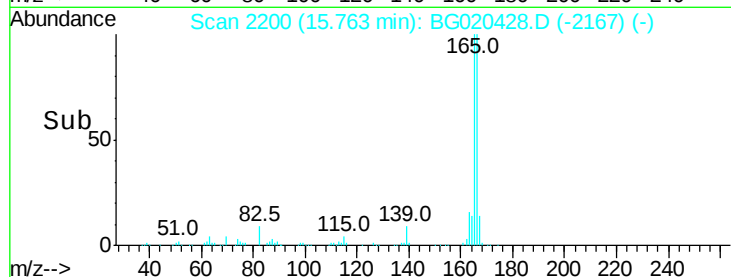
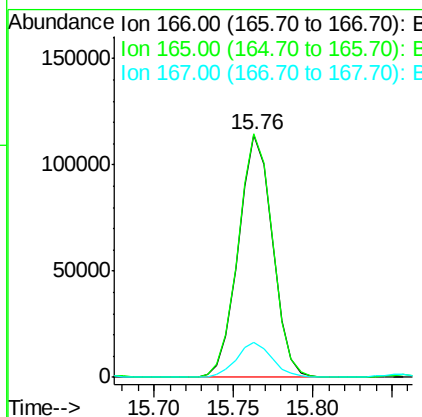
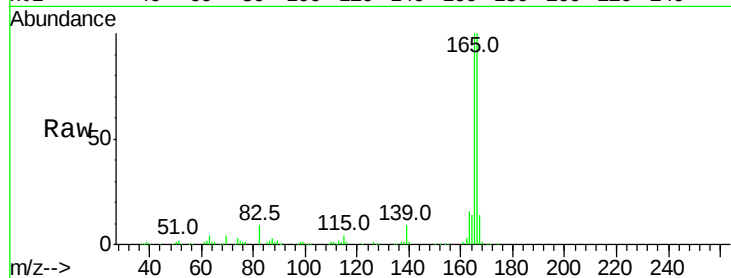
#59
Fluorene
 Concen: 38.69 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

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 D9N73DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	170822		
165	100.4		81.4	122.0
167	14.4		11.2	16.8

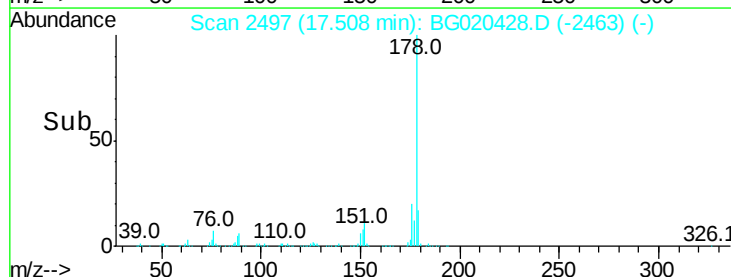
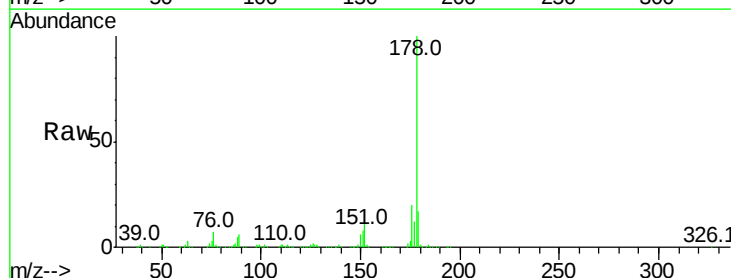
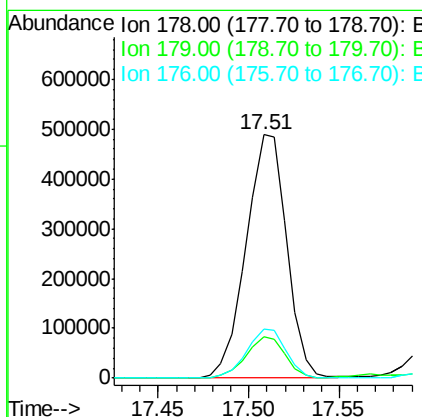
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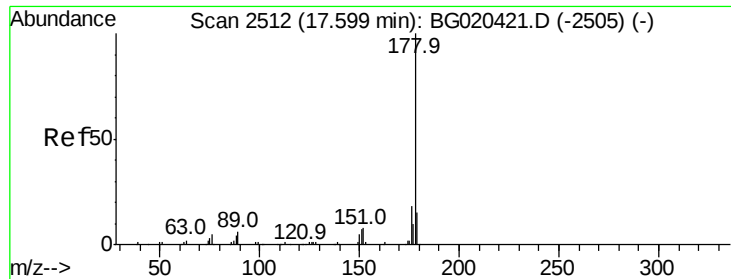
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#70
Phenanthrene
 Concen: 108.78 ng/ul
 RT: 17.51 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	764155		
179	16.7		12.9	19.3
176	20.4		15.3	22.9





#72

Anthracene

Concen: 11.36 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

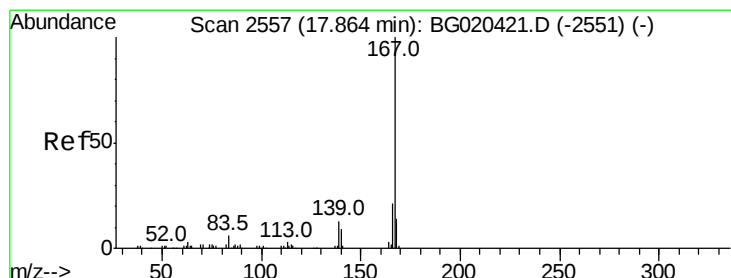
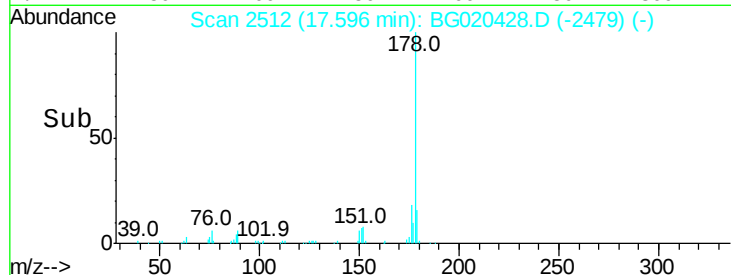
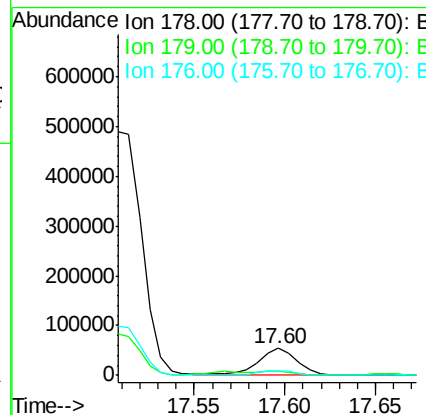
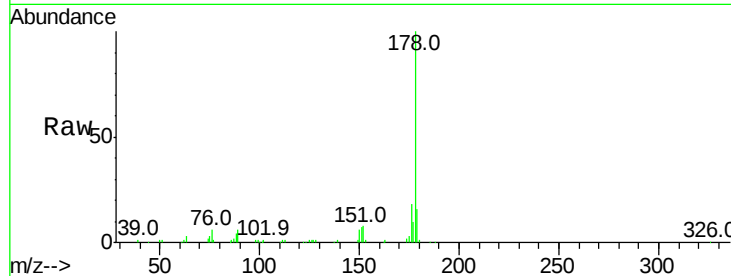
ClientSampleId :

D9N73DL

Tot Ion:	178	Resp:	80951
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	17.9	14.3	21.5

Manual Integrations
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#75

Carbazole

Concen: 8.18 ng/ul

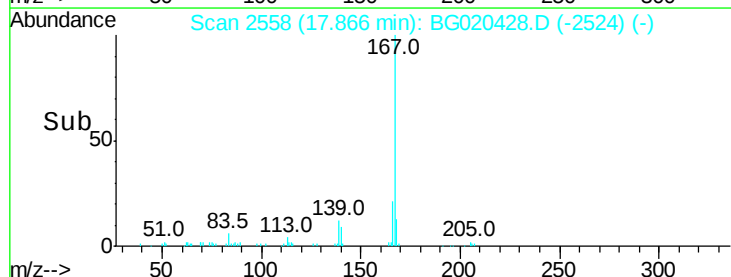
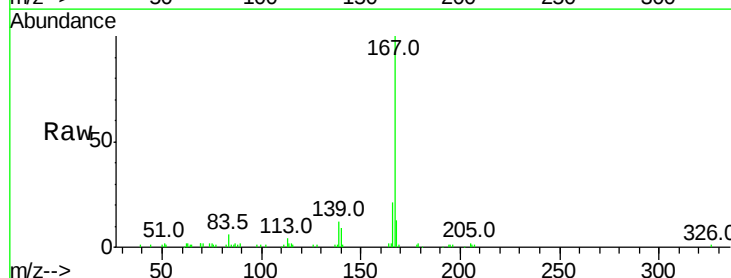
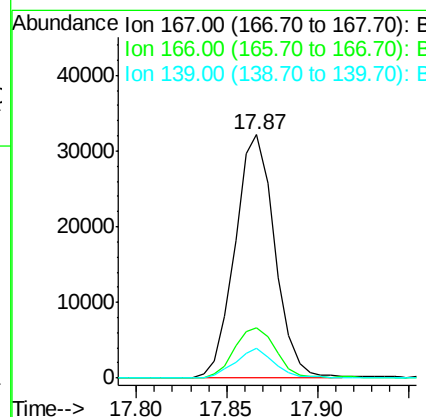
RT: 17.87 min Scan# 2558

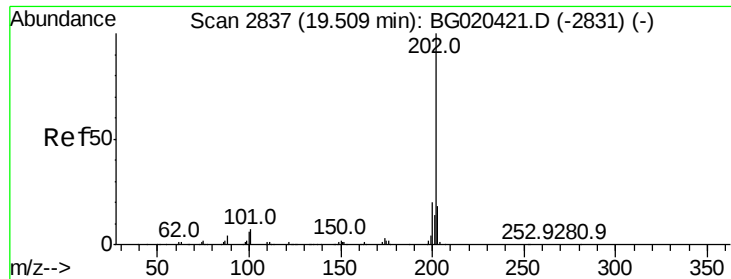
Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Tgt Ion:	167	Resp:	48960
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.0	25.6
139	12.3	10.1	15.1





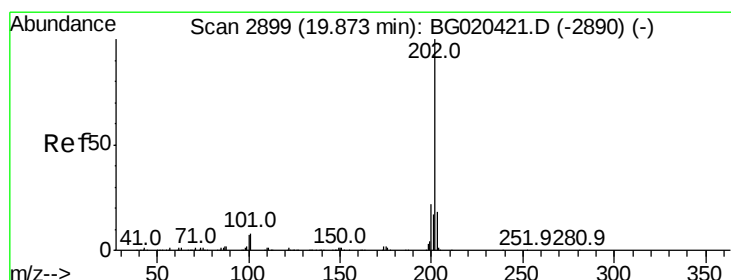
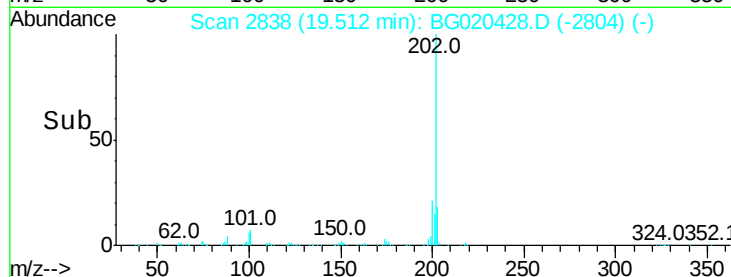
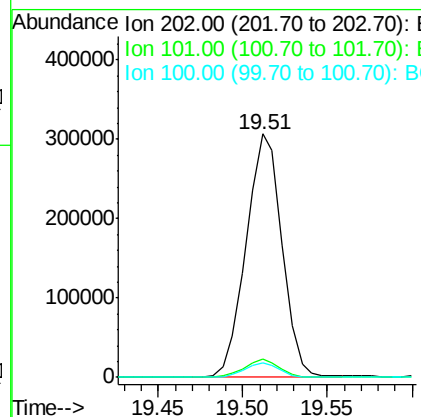
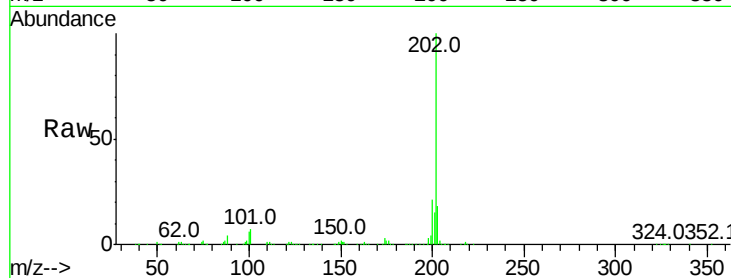
#77
 Fluoranthene
 Concen: 55.17 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

Tot Ion:	202	Resp:	452990
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.4
100	6.2	5.1	7.7

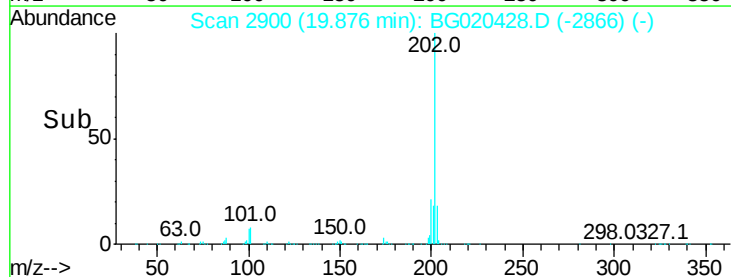
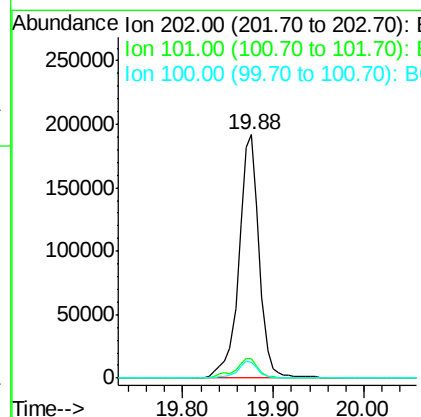
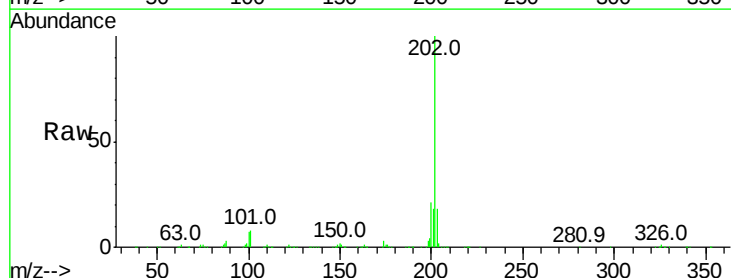
Manual Integrations
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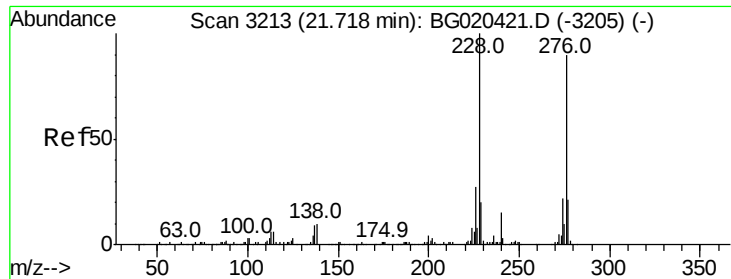
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#80
 Pyrene
 Concen: 31.77 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion:	202	Resp:	299180
Ion Ratio	Lower	Upper	
202	100		
101	8.1	7.0	10.4
100	6.7	6.4	9.6





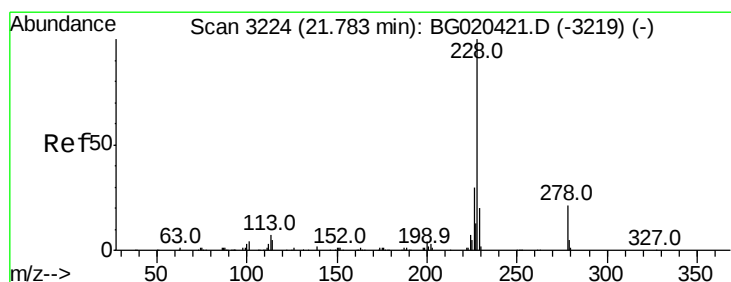
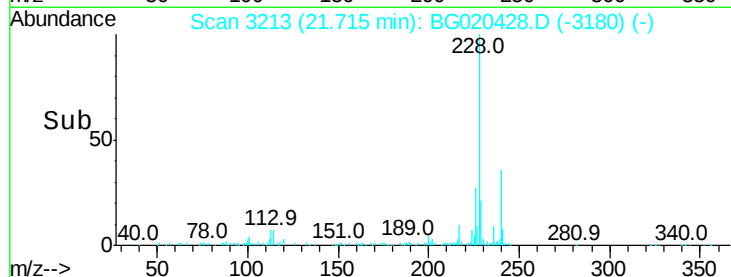
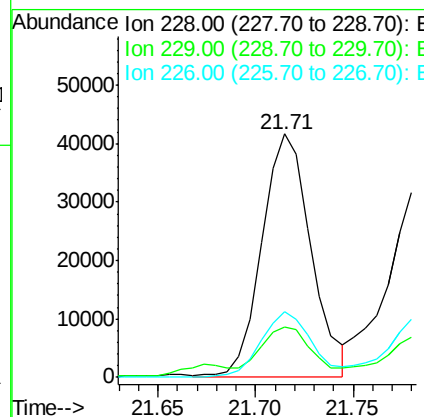
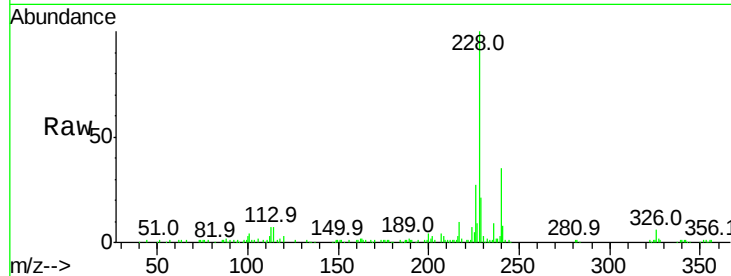
#83
Benzo(a)anthracene
Concen: 7.98 ng/ul
RT: 21.71 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020428.D
Acq: 23 Dec 2015 4:49

Instrument :
BNA_G
ClientSampleId :
D9N73DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	26.8	21.8	32.6

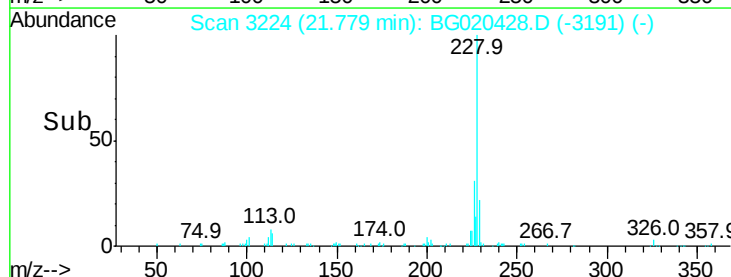
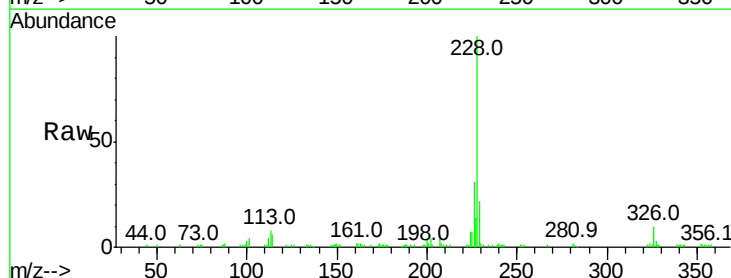
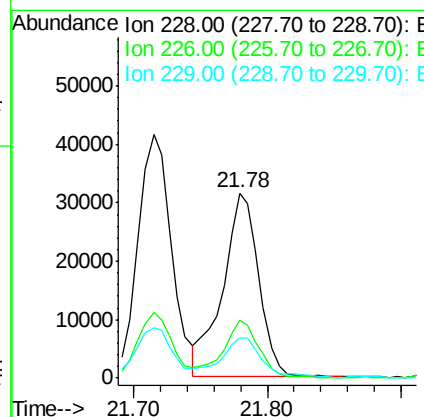
Manual Integrations
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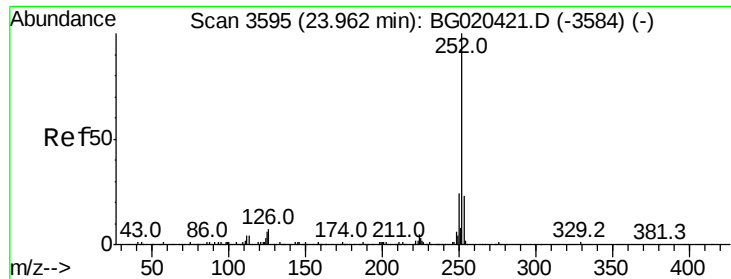
Sohil
12/24/2015 5:32:49 PM



#85
Chrysene
Concen: 6.93 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG020428.D
Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	21.8	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 3.71 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

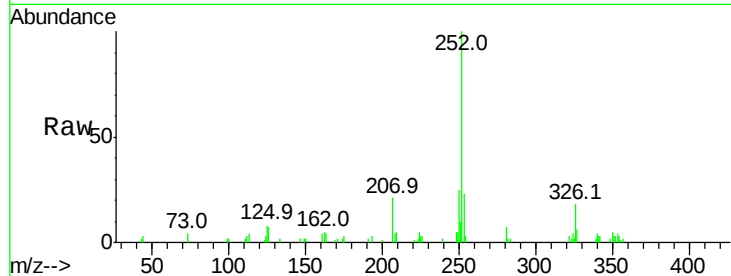
ClientSampleId :

D9N73DL

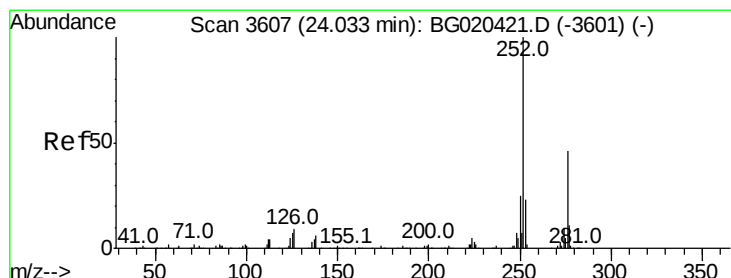
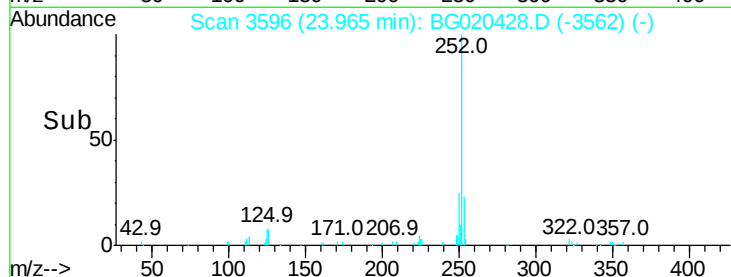
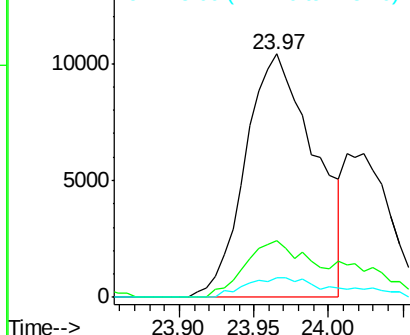
Tot Ion:	252	Resp:	33566
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.7	25.1
125	7.9	6.2	9.2

Manual Integrations
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12/24/2015 5:32:49 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 1.56 ng/ul m

RT: 24.01 min Scan# 3604

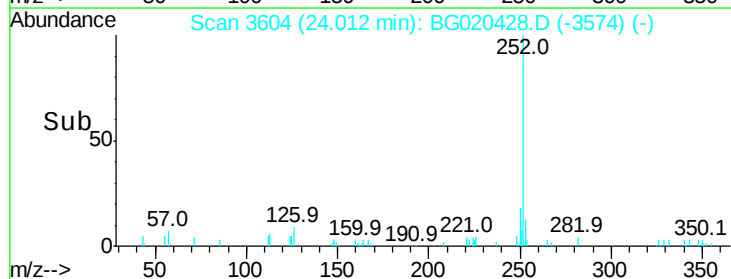
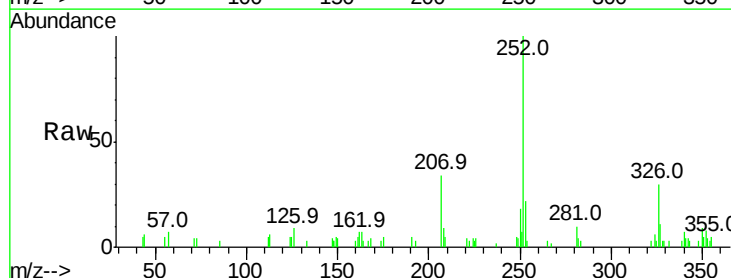
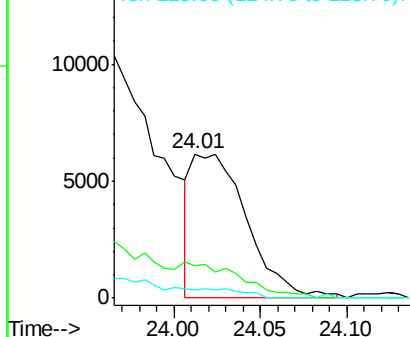
Delta R.T. -0.02 min

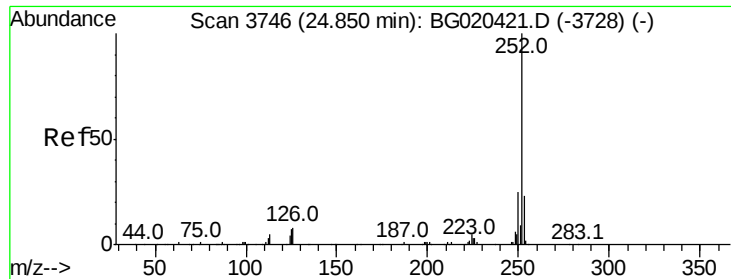
Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Tgt Ion:	252	Resp:	13548
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	5.4	5.8	8.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a)pyrene
 Concen: 2.31 ng/ul
 RT: 24.85 min Scan# 3746
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	17.0	25.4
125	7.3	6.2	9.4

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:49 PM

