

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
 Data File : BG020257.D
 Acq On : 17 Dec 2015 22:29
 Operator : UM/SJ
 Sample : G4767-13DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Manual Integrations
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 12/18/2015 6:20:20 PM

Quant Time: Dec 18 11:35:57 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	17416	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	75788	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	56001	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	145860	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	183583	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	176663	20.00	ng/ul	0.00

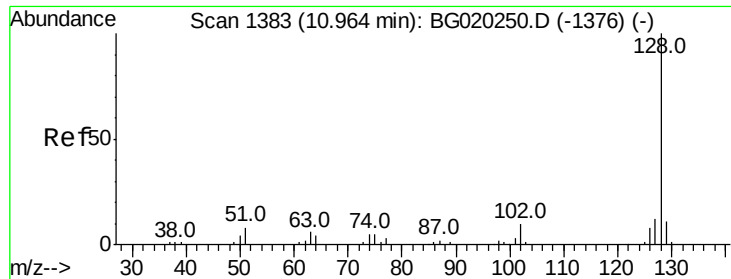
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	2030	1.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	1454	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	1833	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	1945	1.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	846	1.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	994	1.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	1832	1.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	2930	1.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	8700	1.92	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	9265	1.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	807	0.99	ng/ul	0.00
58) Fluorene-d10	15.72	176	7974	1.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	194	0.22	ng/ul	0.00
71) Anthracene-d10	17.57	188	12705	1.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	15327	1.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	16134	1.83	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.97	128	497864	125.79	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	185912	61.50	ng/ul	99
41) 1,1'-Biphenyl	13.56	154	71702	16.97	ng/ul	95
48) Acenaphthylene	14.45	152	12745	2.28	ng/ul#	92
50) Acenaphthene	14.79	153	316792	84.09	ng/ul	100
54) Dibenzofuran	15.12	168	324257	57.86	ng/ul	98
59) Fluorene	15.77	166	338176	75.15	ng/ul	99
70) Phenanthrene	17.53	178	1374302	172.25	ng/ul	94
72) Anthracene	17.61	178	137574	17.00	ng/ul	98
75) Carbazole	17.87	167	53736	7.90	ng/ul	99
77) Fluoranthene	19.52	202	872468	93.57	ng/ul	100
80) Pyrene	19.88	202	574161	51.67	ng/ul	99
83) Benzo(a)anthracene	21.73	228	152870	14.27	ng/ul	98
85) Chrysene	21.79	228	119600	11.85	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	62470	5.88	ng/ul	95
89) Benzo(k)fluoranthene	24.04	252	23737m	2.33	ng/ul	
91) Benzo(a)pyrene	24.85	252	34748	3.45	ng/ul	95

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



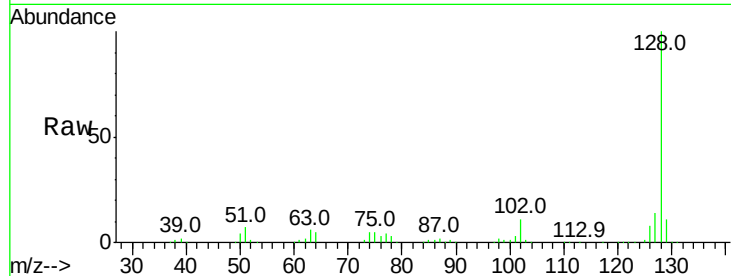
#28
Naphthalene
Concen: 125.79 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Instrument :
BNA_G
ClientSampleId :
D9N35DL

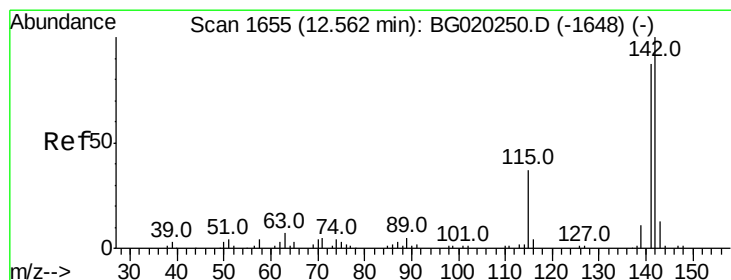
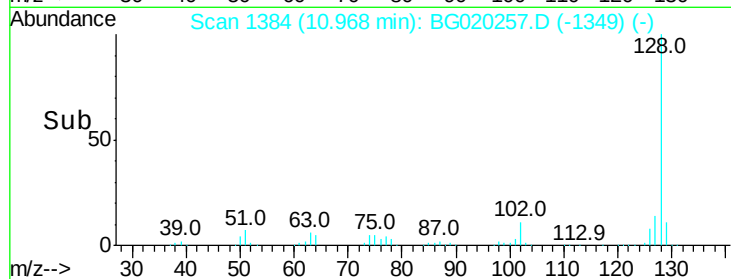
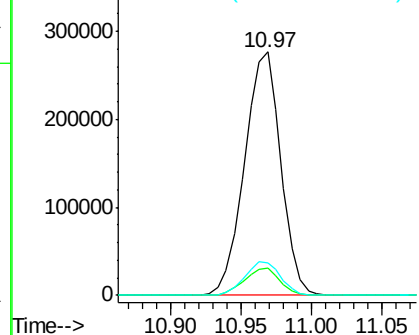
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.6	10.1	15.1

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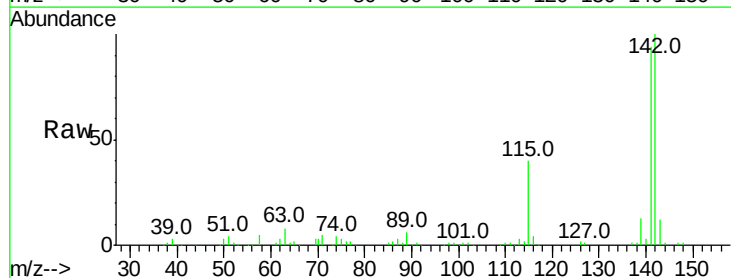


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

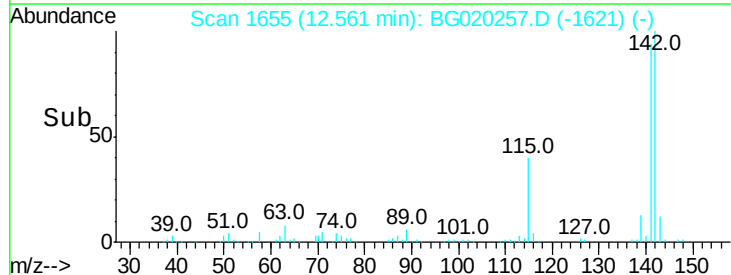
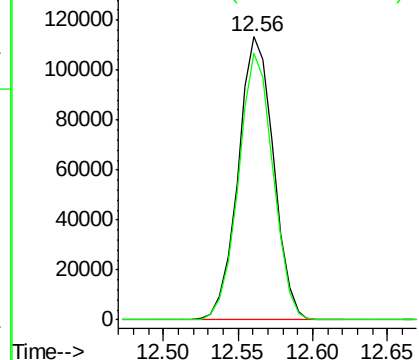


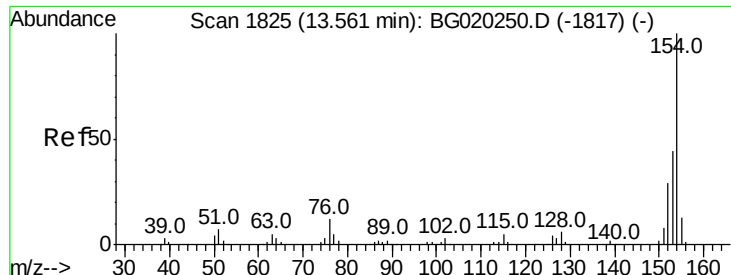
#34
2-Methylnaphthalene
Concen: 61.50 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	74.9	112.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





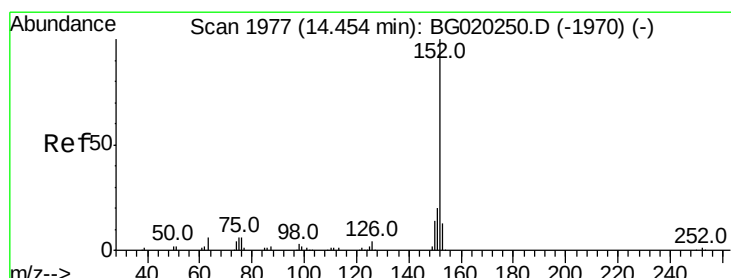
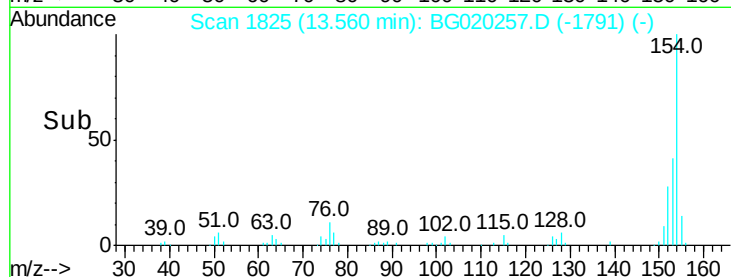
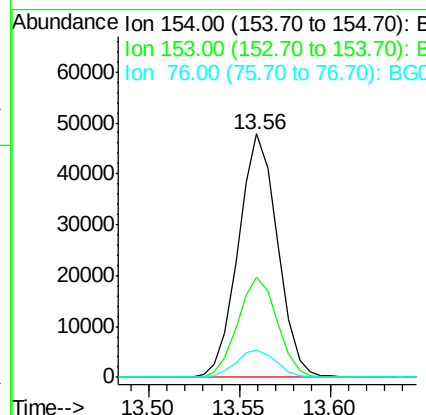
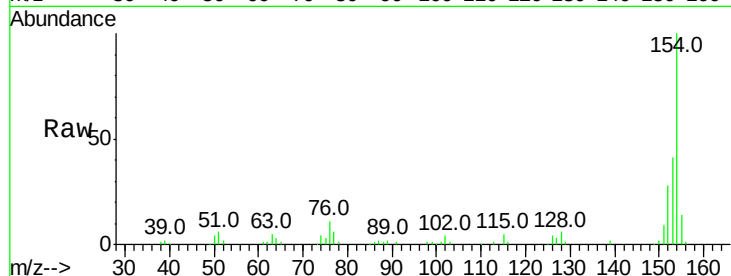
#41
 1,1'-Biphenyl
 Concen: 16.97 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.0	35.5	53.3
76	11.2	10.4	15.6

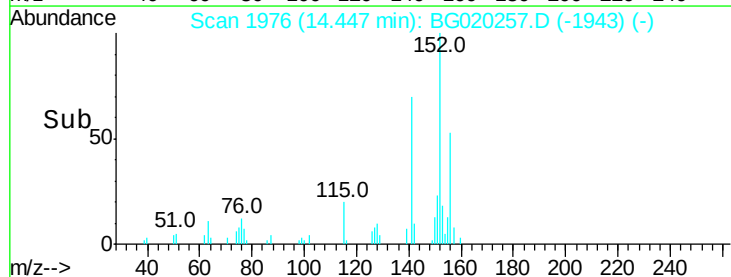
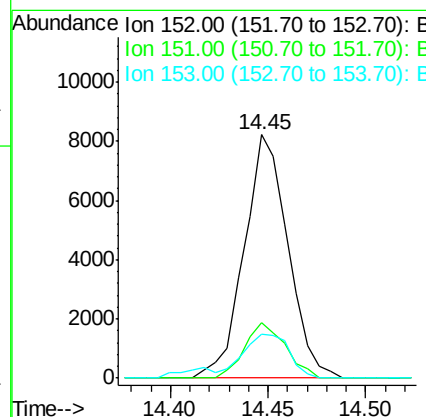
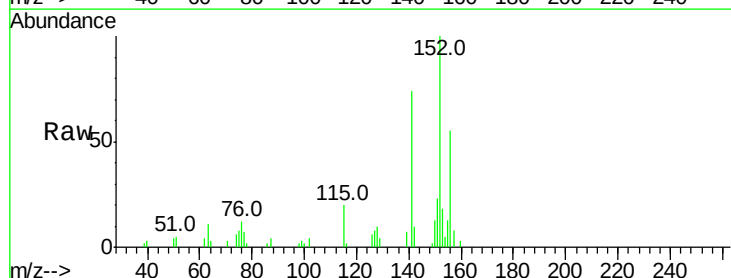
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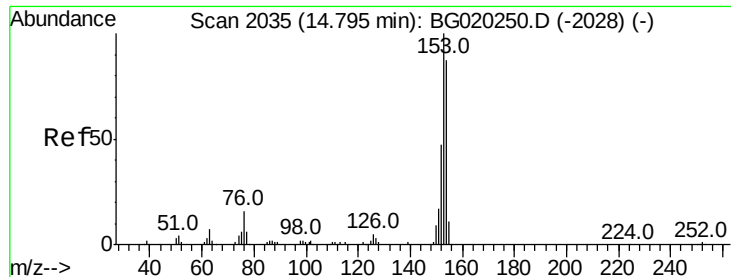
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#48
 Acenaphthylene
 Concen: 2.28 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.4	24.6
153	18.0	10.4	15.6#





#50

Acenaphthene

Concen: 84.09 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

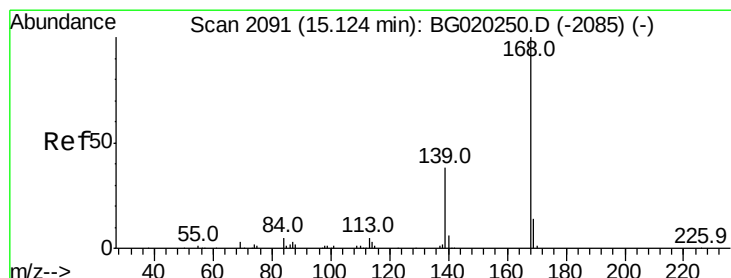
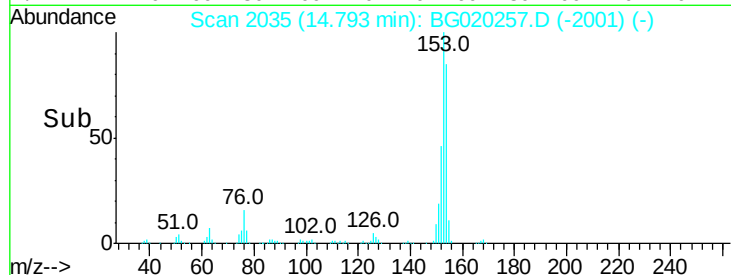
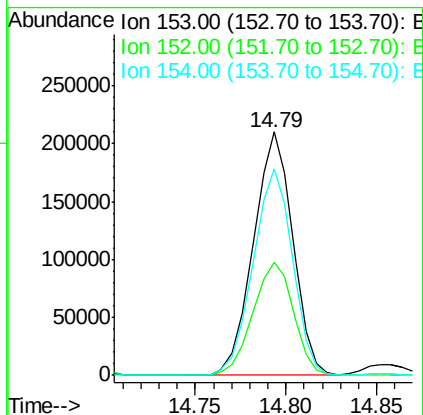
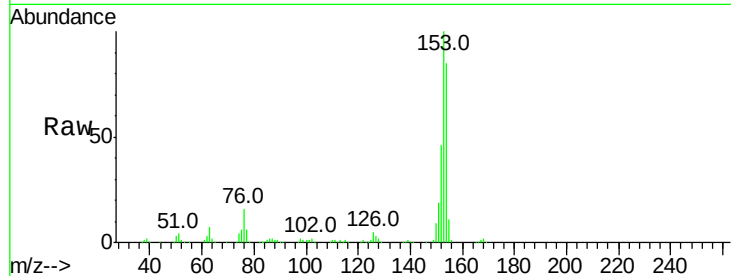
ClientSampleId :

D9N35DL

Tot Ion:	153	Resp:	316792
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.6	56.4
154	85.0	67.9	101.9

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#54

Dibenzofuran

Concen: 57.86 ng/ul

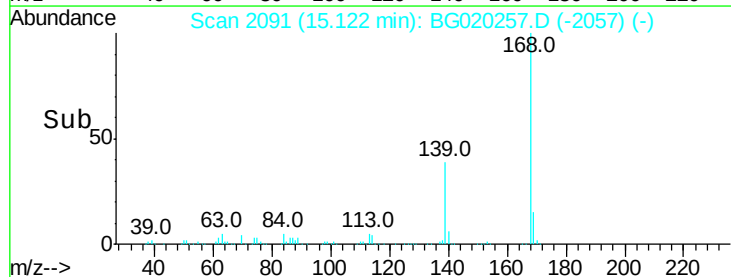
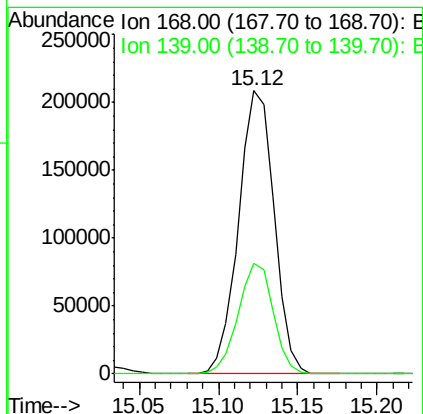
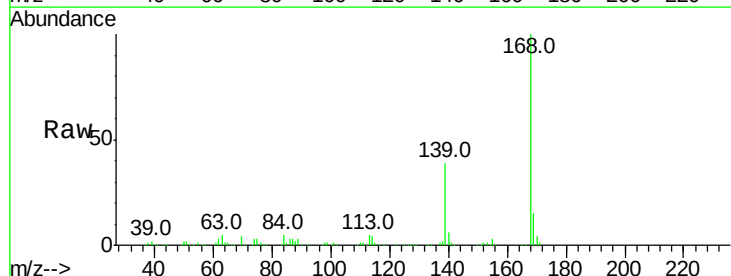
RT: 15.12 min Scan# 2091

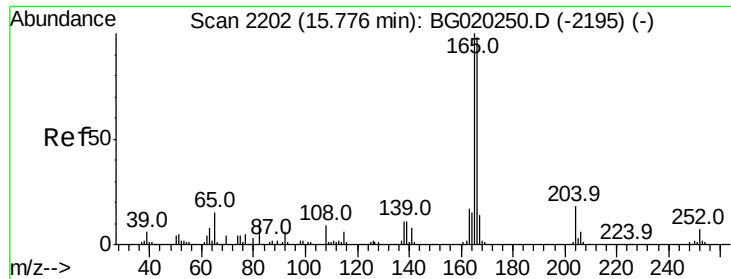
Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Tgt Ion:	168	Resp:	324257
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.5	45.7





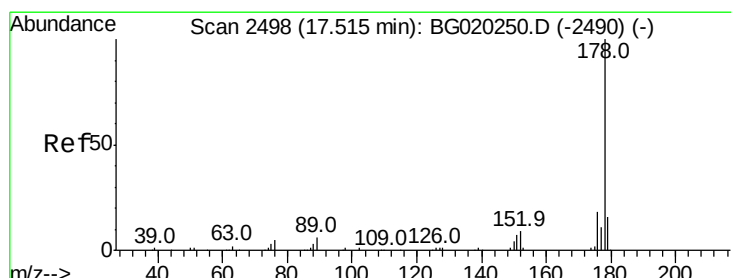
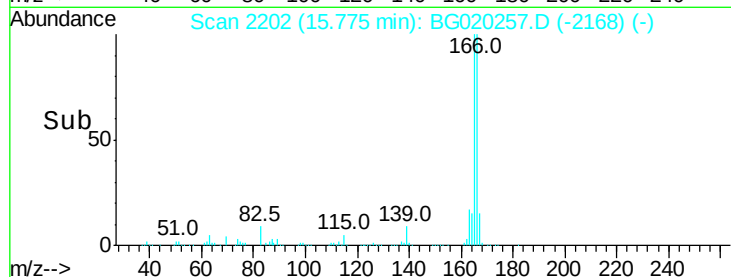
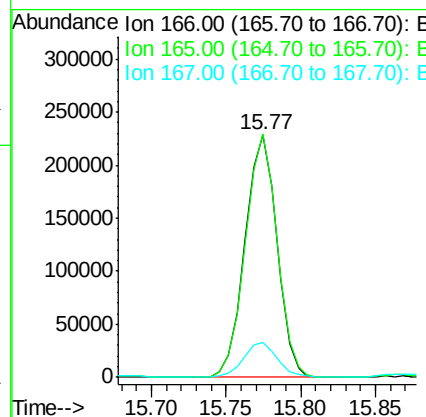
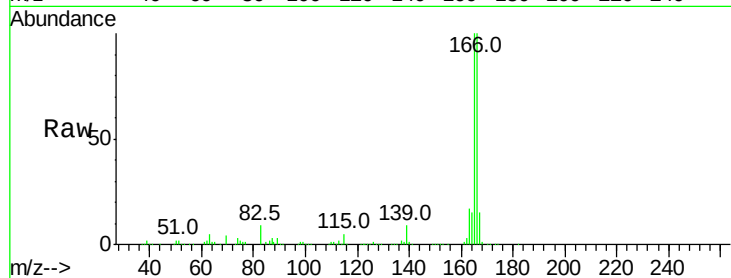
#59
 Fluorene
 Concen: 75.15 ng/ul
 RT: 15.77 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	338176		
165	100.4		81.4	122.0
167	14.7		11.2	16.8

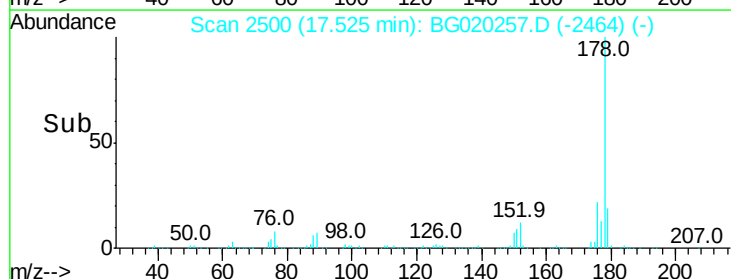
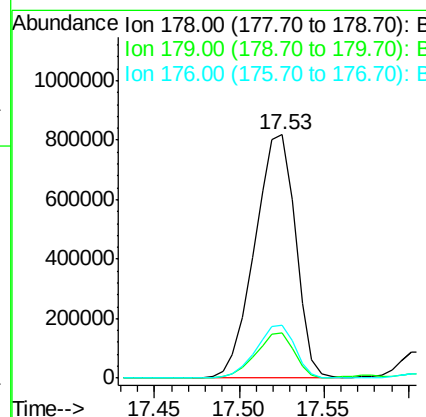
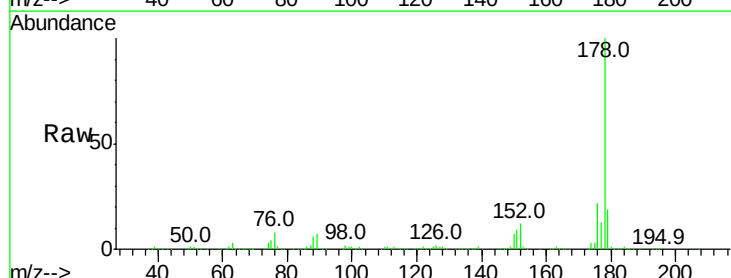
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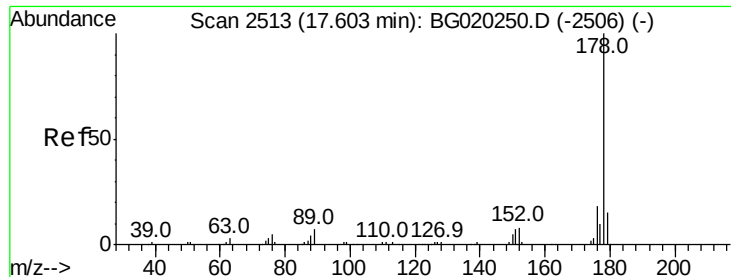
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#70
 Phenanthrene
 Concen: 172.25 ng/ul
 RT: 17.53 min Scan# 2500
 Delta R.T. 0.01 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1374302		
179	18.5		12.9	19.3
176	21.8		15.3	22.9





#72

Anthracene

Concen: 17.00 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

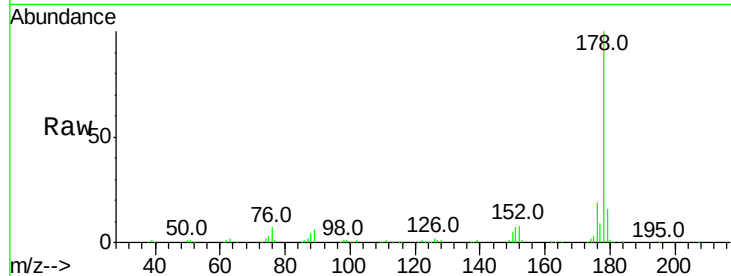
ClientSampleId :

D9N35DL

Tot Ion:	178	Resp:	137574
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.3	18.5
176	18.7	14.3	21.5

Manual Integrations
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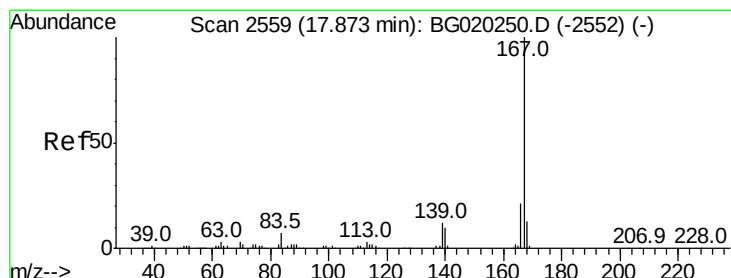
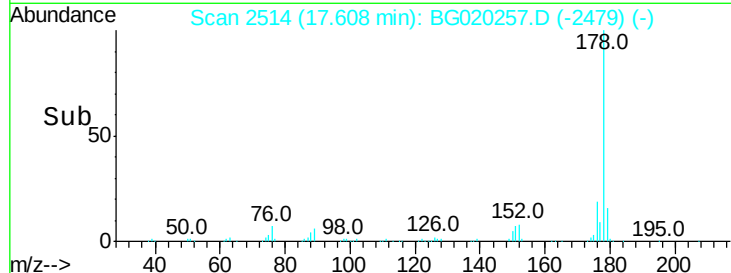
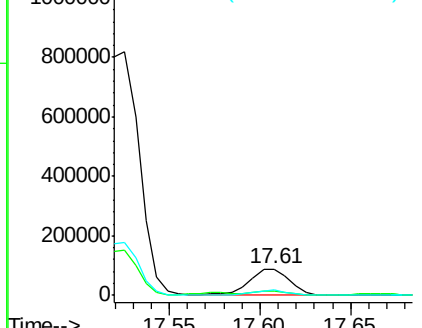
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 7.90 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020257.D

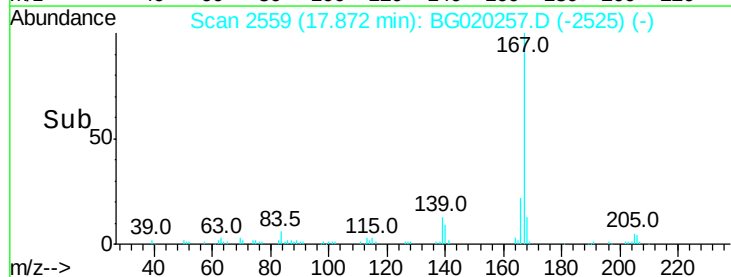
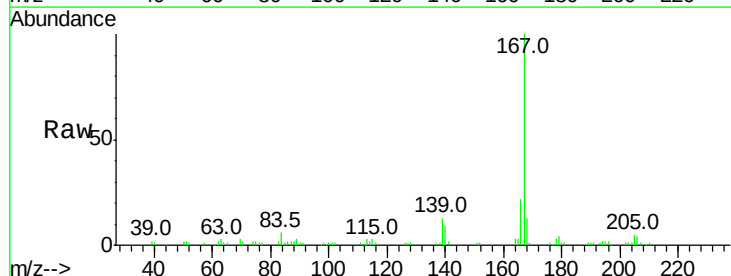
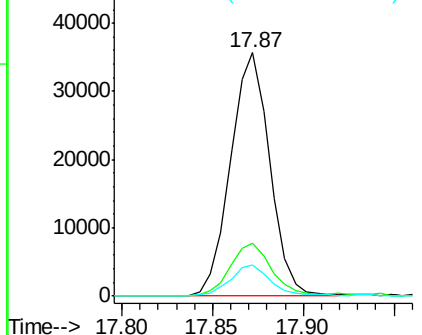
Acq: 17 Dec 2015 22:29

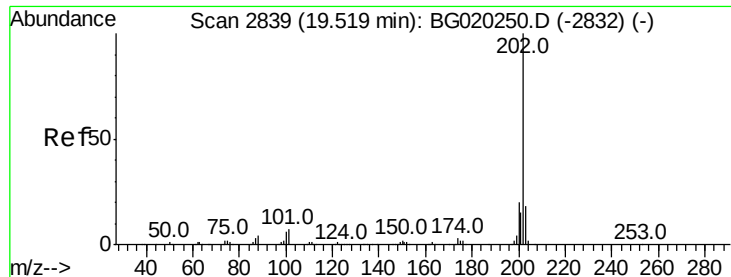
Tgt Ion:	167	Resp:	53736
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.0	25.6
139	12.9	10.1	15.1

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





#77

Fluoranthene

Concen: 93.57 ng/ul

RT: 19.52 min Scan# 2840

Delta R.T. 0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

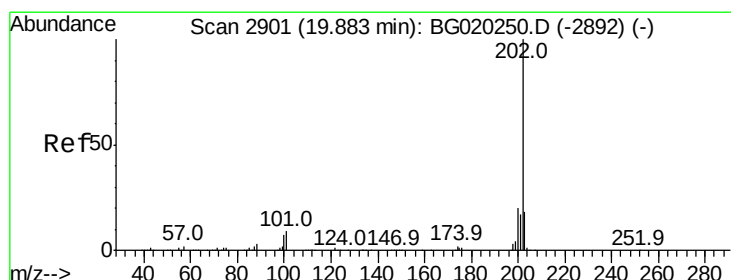
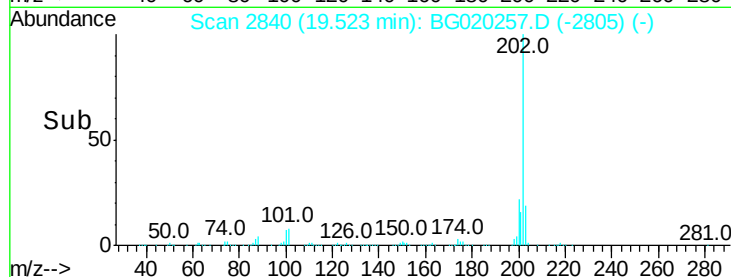
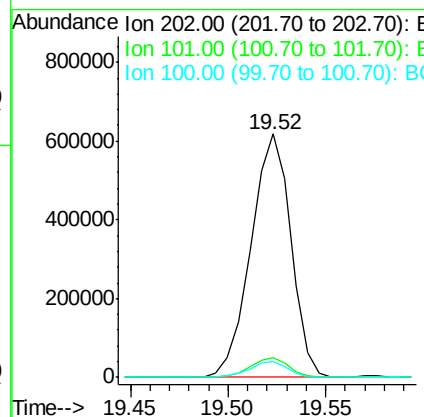
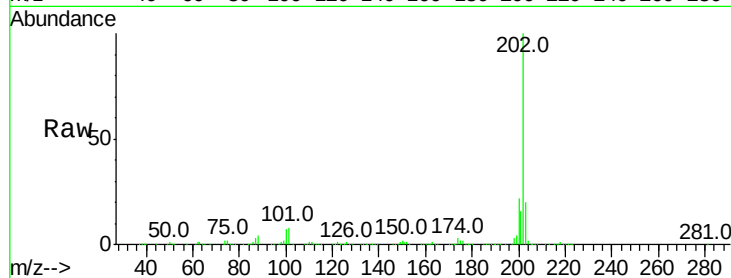
ClientSampleId :

D9N35DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.8		6.2	9.4	
100	6.6		5.1	7.7	

Manual Integrations
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#80

Pyrene

Concen: 51.67 ng/ul

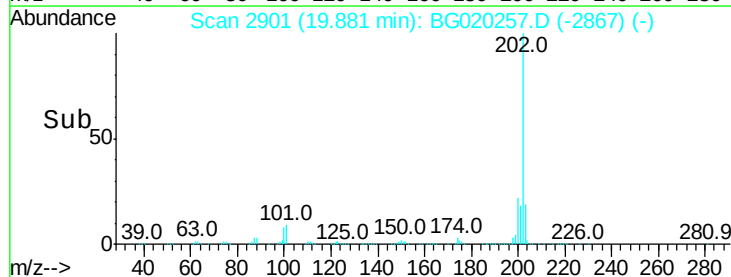
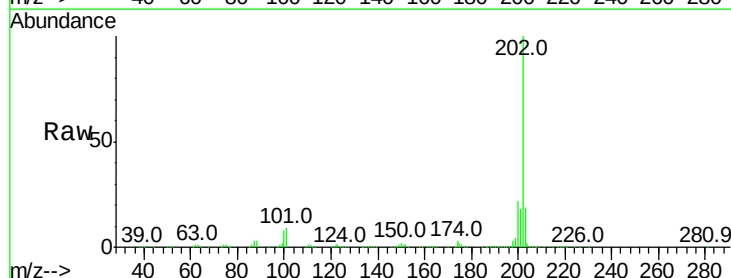
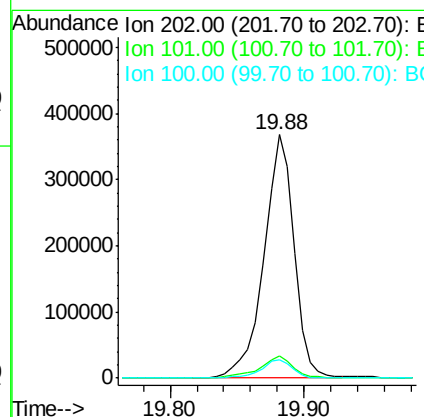
RT: 19.88 min Scan# 2901

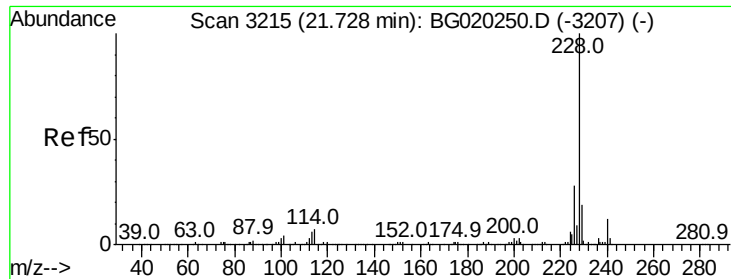
Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.1		7.0	10.4	
100	7.6		6.4	9.6	





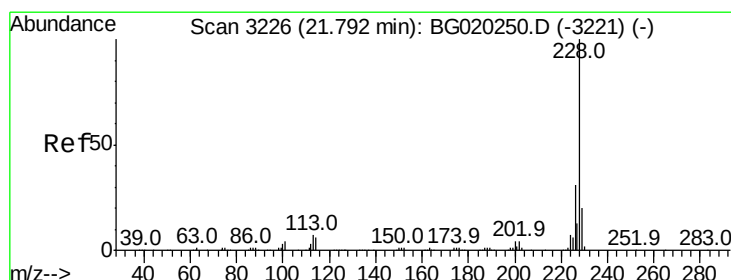
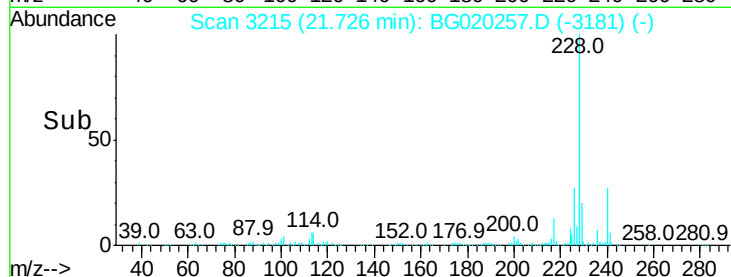
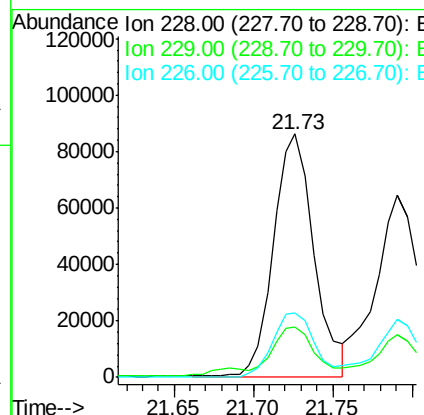
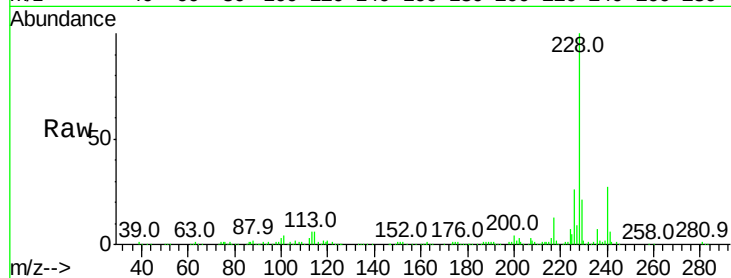
#83
Benzo(a)anthracene
Concen: 14.27 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.00 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Instrument :
BNA_G
ClientSampleId :
D9N35DL

Tot Ion:	228	Resp:	152870
Ion Ratio	Lower	Upper	
228	100		
229	20.7	15.8	23.8
226	26.4	21.8	32.6

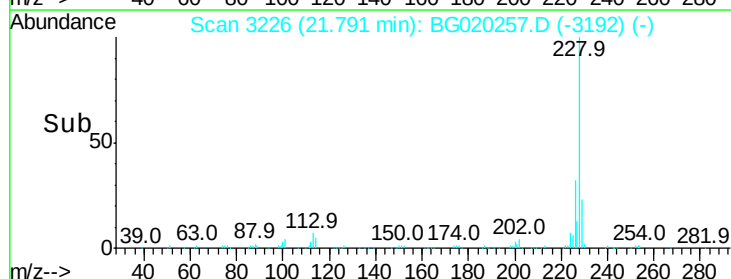
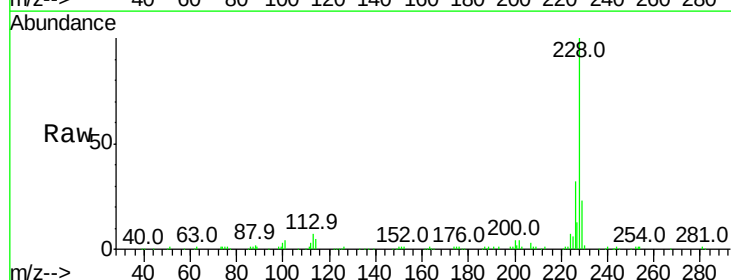
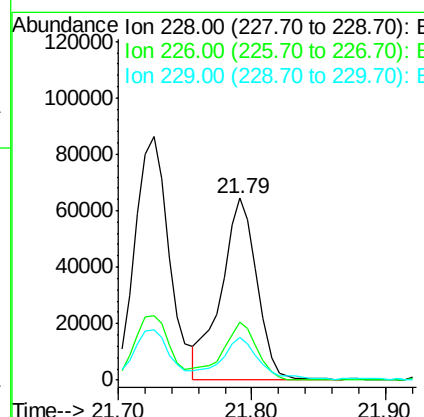
Manual Integrations
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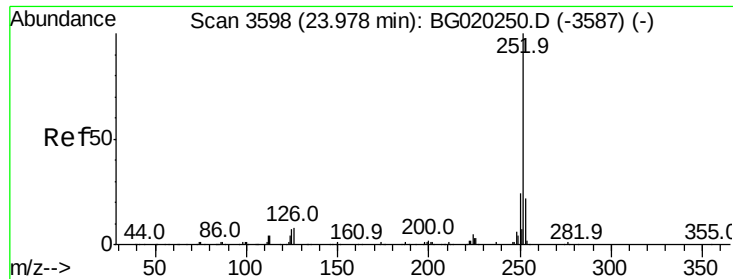
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#85
Chrysene
Concen: 11.85 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. -0.00 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Tgt Ion:	228	Resp:	119600
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.9	35.9
229	23.2	15.6	23.4





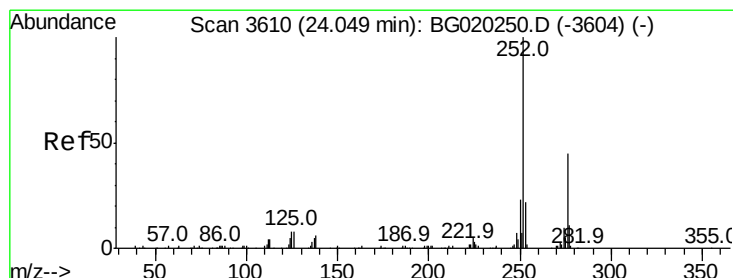
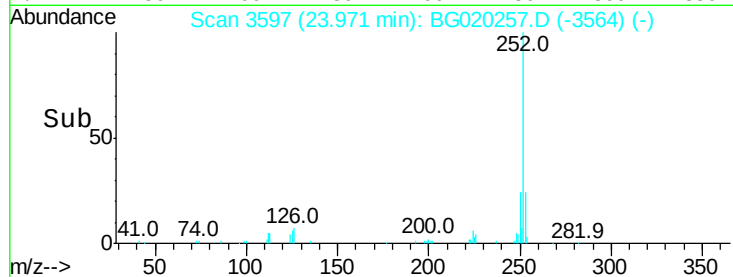
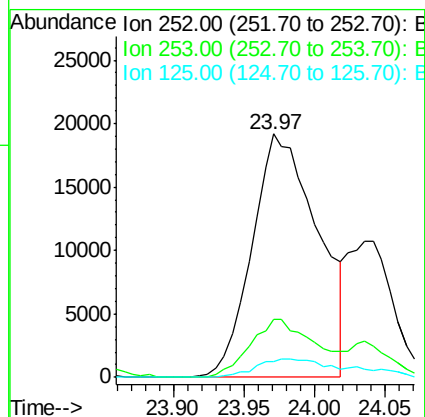
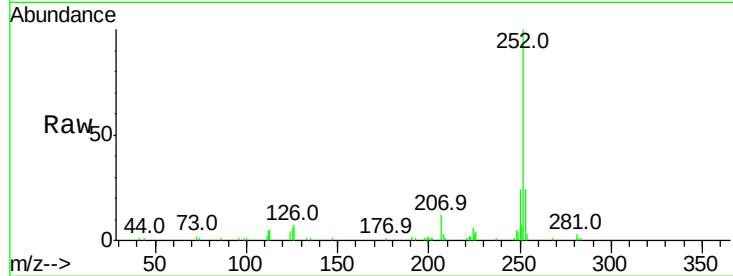
#88
Benzo(b)fluoranthene
Concen: 5.88 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Instrument :
BNA_G
ClientSampleId :
D9N35DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.7	25.1
125	6.3	6.2	9.2

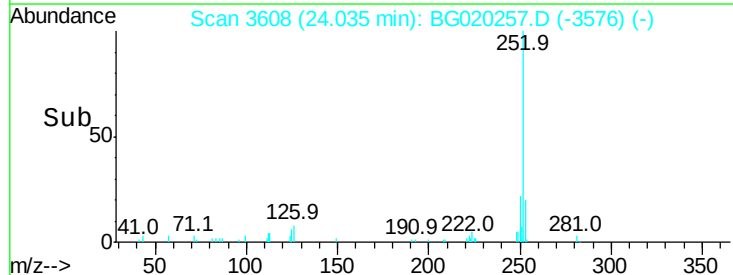
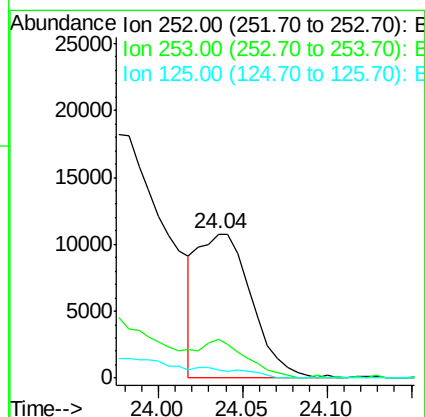
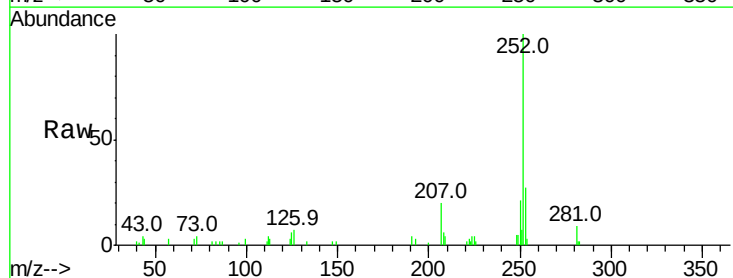
Manual Integrations
APPROVED

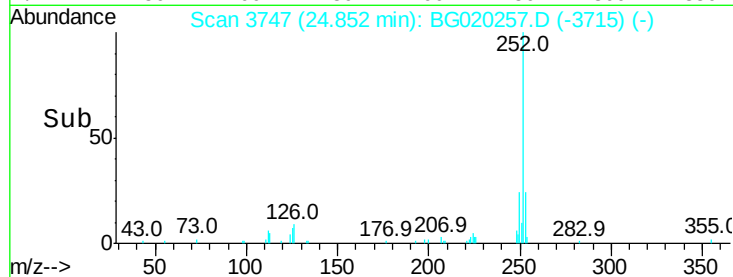
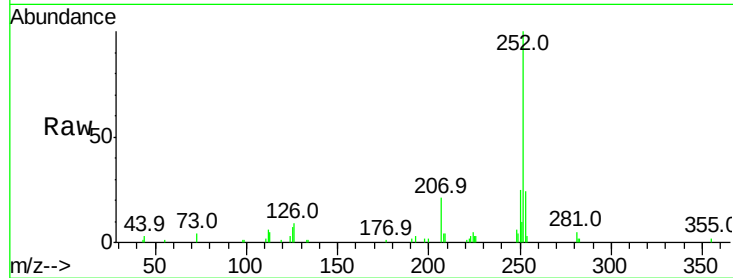
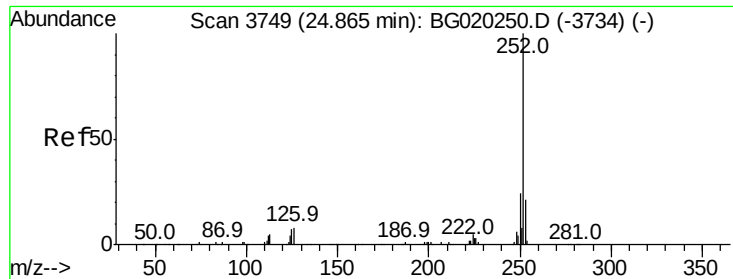
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#89
Benzo(k)fluoranthene
Concen: 2.33 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	5.9	5.8	8.6





#91

Benzo(a)pyrene

Concen: 3.45 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	6.9	6.2	9.4

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:20:20 PM

