

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
 Data File : BG020256.D
 Acq On : 17 Dec 2015 21:49
 Operator : UM/SJ
 Sample : G4767-12DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N34DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 11:33:14 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	8.09	152	15550	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	72543	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	53123	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	134547	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	178337	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	172185	20.00	ng/ul	0.00

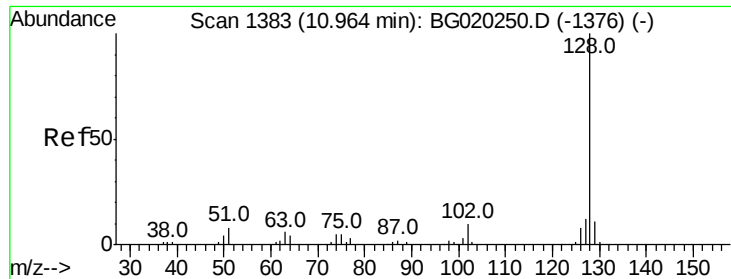
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	4035	2.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	3016	3.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	3589	3.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	3957	3.37	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	1873	3.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	2162	3.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	3867	3.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	6011	4.20	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	16444	3.83	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	18649	3.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	1874	2.43	ng/ul	0.00
58) Fluorene-d10	15.71	176	14971	3.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	1105	1.39	ng/ul	0.00
71) Anthracene-d10	17.57	188	24116	3.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	28621	3.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	32152	3.74	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.97	128	776713	205.03	ng/ul	97
34) 2-Methylnaphthalene	12.56	142	292129	100.95	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	99148	24.74	ng/ul	96
45) Dimethylphthalate	14.17	163	7378	1.68	ng/ul	99
48) Acenaphthylene	14.45	152	17197	3.24	ng/ul#	90
50) Acenaphthene	14.80	153	436619	122.18	ng/ul	98
54) Dibenzofuran	15.13	168	437769	82.35	ng/ul	100
59) Fluorene	15.78	166	439550	102.97	ng/ul	96
70) Phenanthrene	17.52	178	1674848m	227.58	ng/ul	
72) Anthracene	17.61	178	166486	22.30	ng/ul	99
75) Carbazole	17.87	167	78530	12.52	ng/ul	98
77) Fluoranthene	19.53	202	1065096	123.83	ng/ul	100
80) Pyrene	19.88	202	717784	66.50	ng/ul	99
83) Benzo(a)anthracene	21.73	228	194164	18.66	ng/ul	98
85) Chrysene	21.79	228	156327	15.95	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	83454	8.05	ng/ul	98
89) Benzo(k)fluoranthene	24.04	252	29026m	2.92	ng/ul	
91) Benzo(a)pyrene	24.86	252	46240	4.71	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.74	276	13552m	1.16	ng/ul	

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



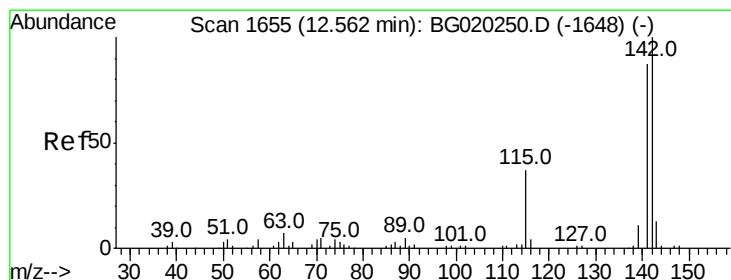
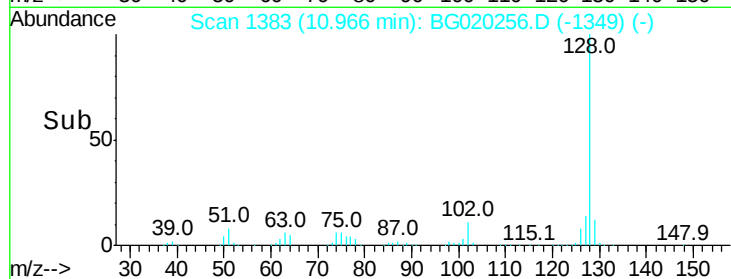
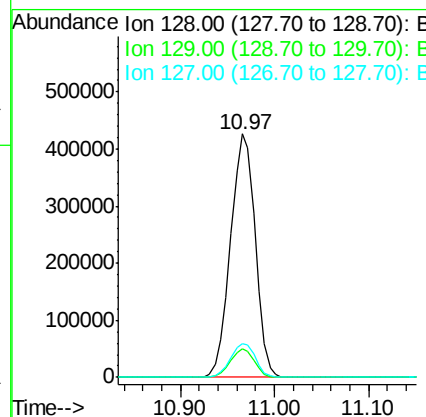
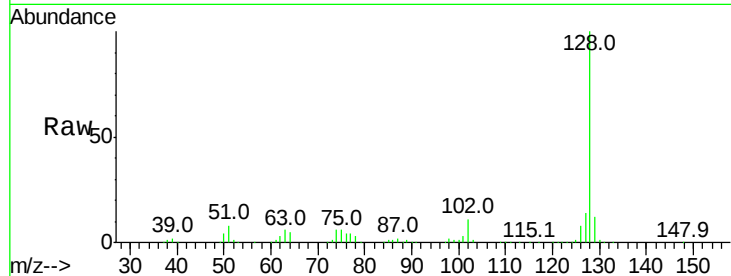
#28
Naphthalene
Concen: 205.03 ng/ul
RT: 10.97 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	12.8
127	13.9	10.1	15.1

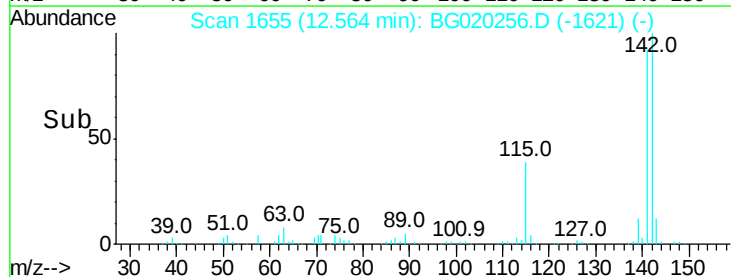
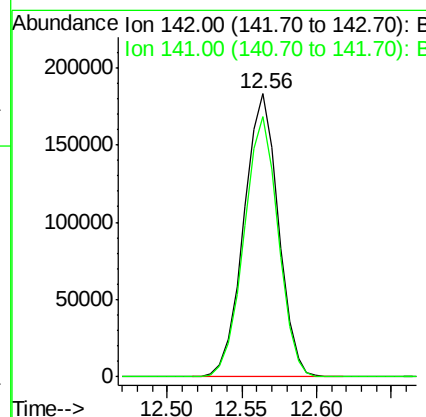
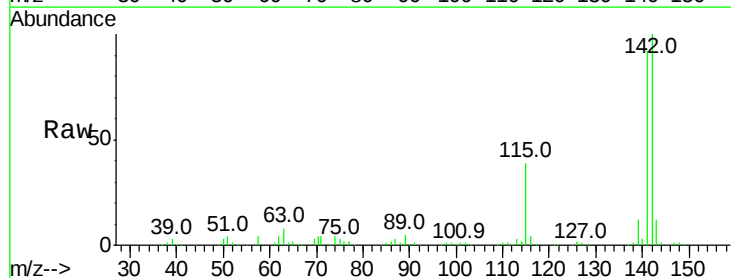
Manual Integrations
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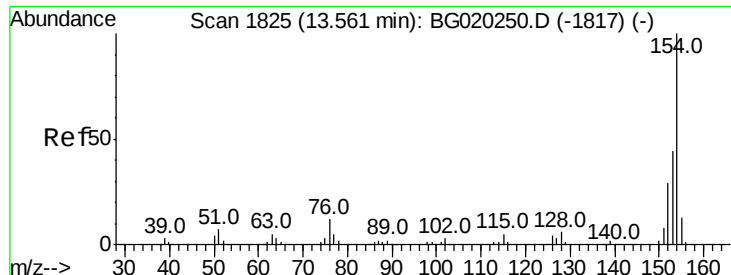
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#34
2-Methylnaphthalene
Concen: 100.95 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.9	112.3





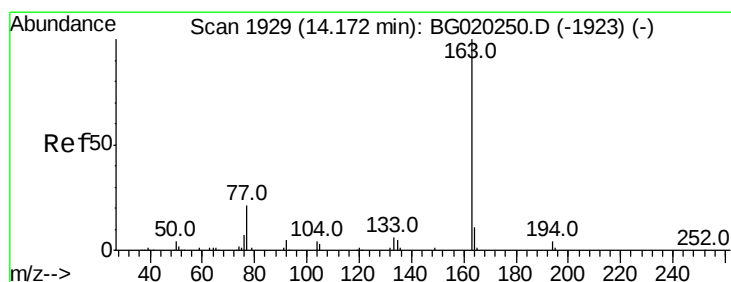
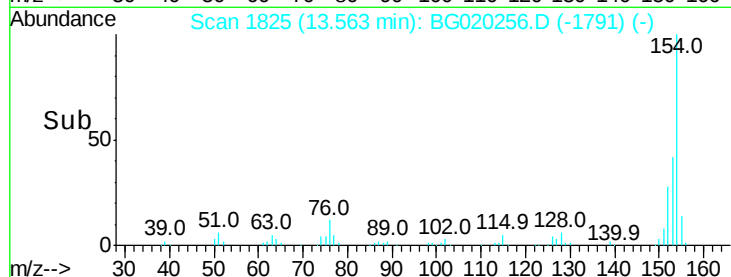
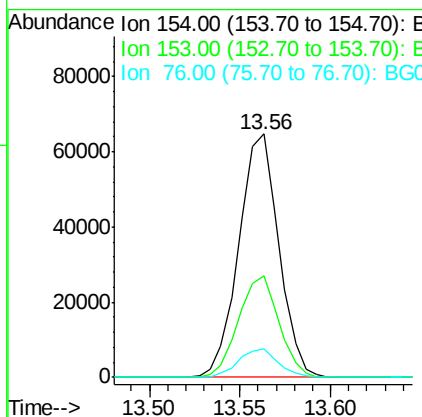
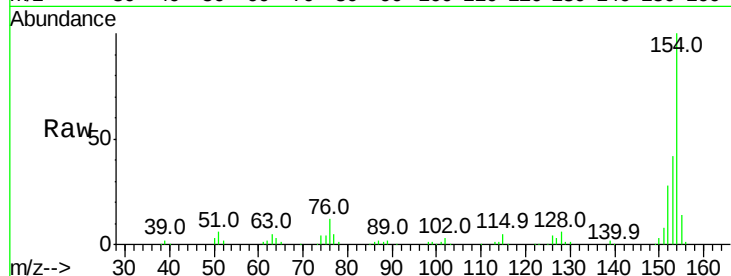
#41
 1,1'-Biphenyl
 Concen: 24.74 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020256.D
 Acq: 17 Dec 2015 21:49

Instrument :
 BNA_G
 ClientSampleId :
 D9N34DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	35.5	53.3
76	11.6	10.4	15.6

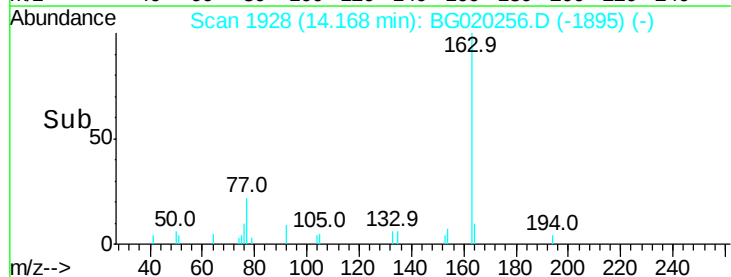
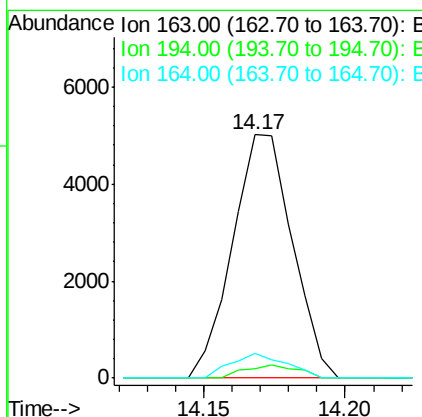
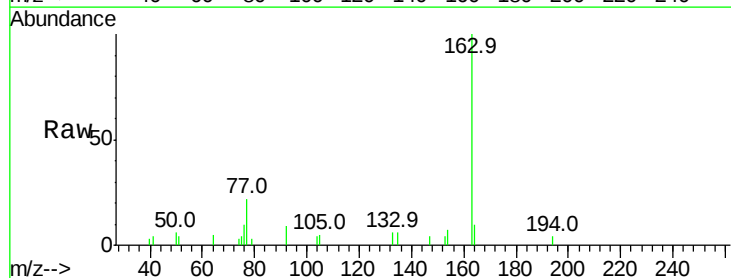
Manual Integrations
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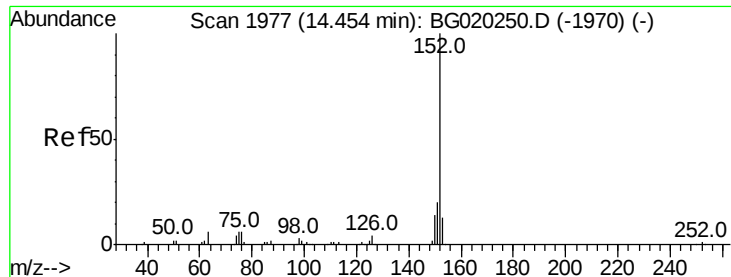
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#45
 Dimethylphthalate
 Concen: 1.68 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BG020256.D
 Acq: 17 Dec 2015 21:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	9.9	7.7	11.5





#48

Acenaphthylene

Concen: 3.24 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Instrument :

BNA_G

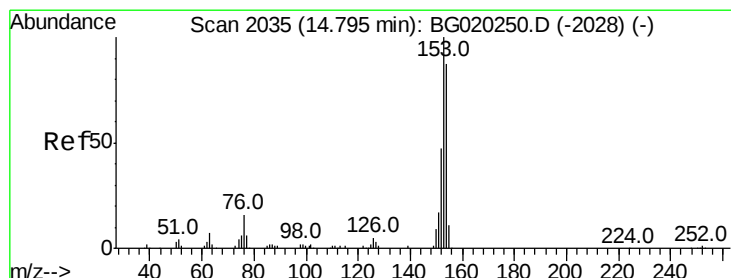
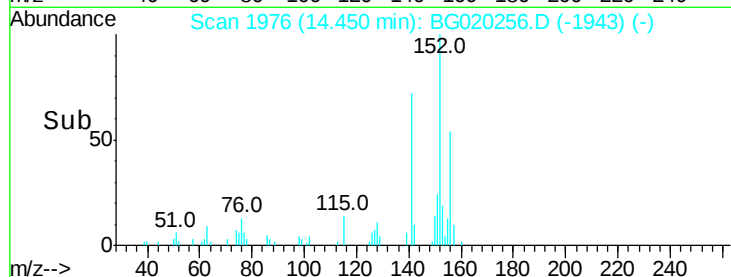
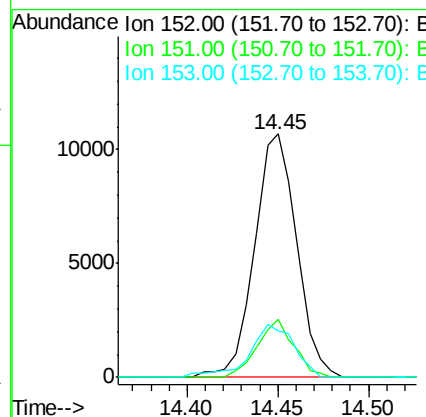
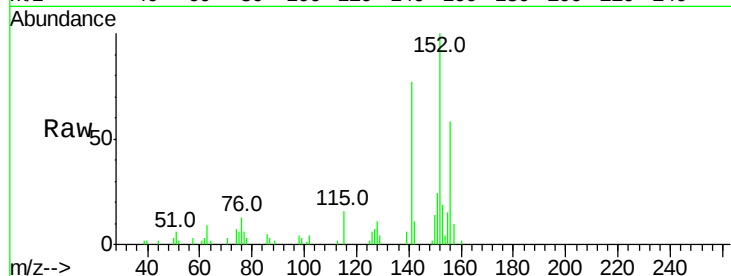
ClientSampleId :

D9N34DL

Tot Ion:	152	Resp:	17197
Ion Ratio	Lower	Upper	
152	100		
151	23.6	16.4	24.6
153	19.3	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 122.18 ng/ul

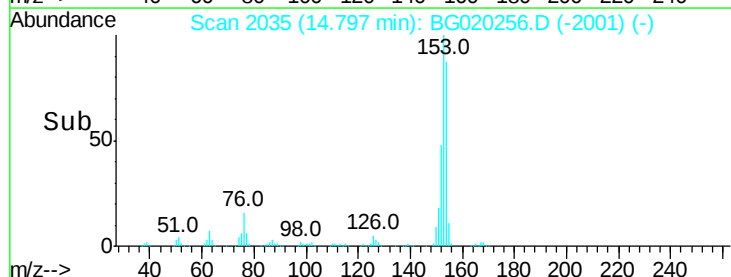
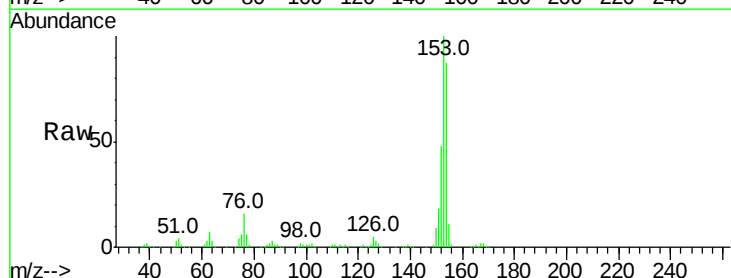
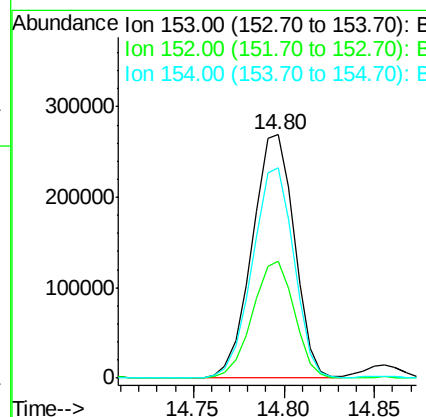
RT: 14.80 min Scan# 2035

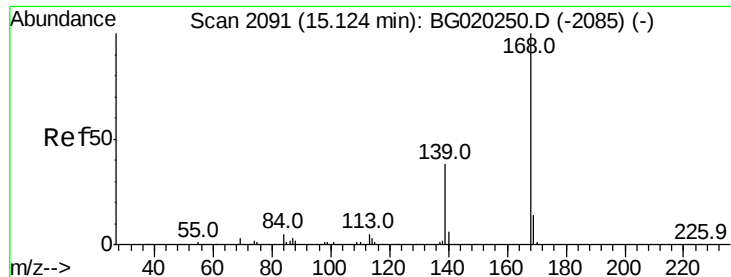
Delta R.T. 0.00 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Tgt Ion:	153	Resp:	436619
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.6	56.4
154	86.5	67.9	101.9





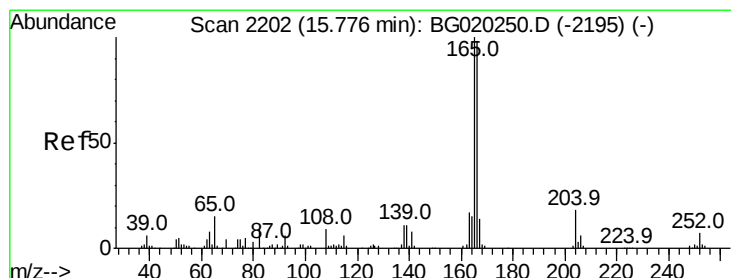
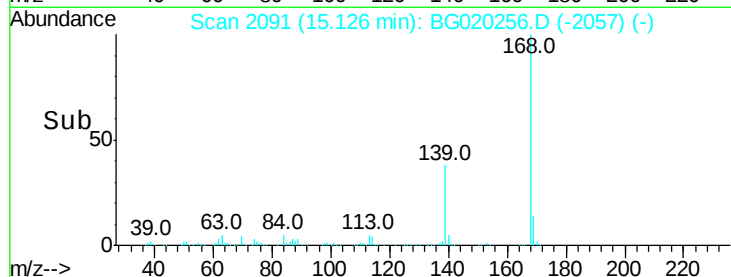
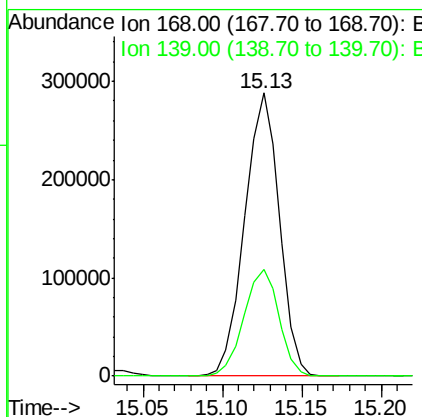
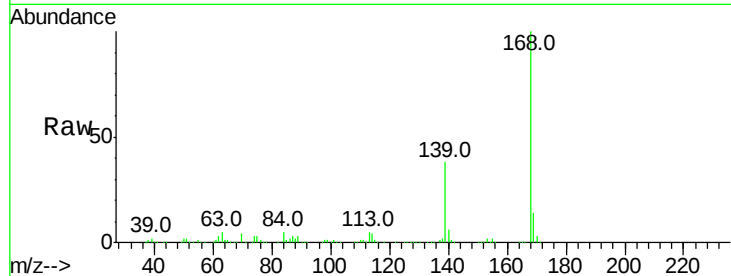
#54
Dibenzenofuran
Concen: 82.35 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tot Ion:168 Resp: 437769
Ion Ratio Lower Upper
168 100
139 37.9 30.5 45.7

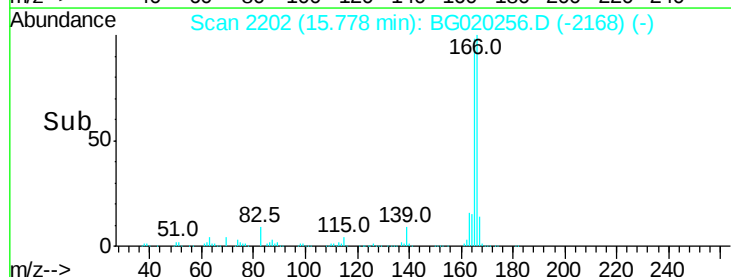
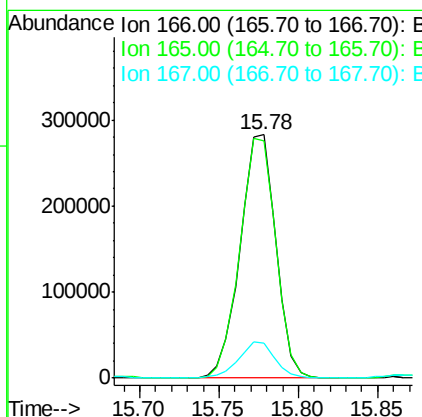
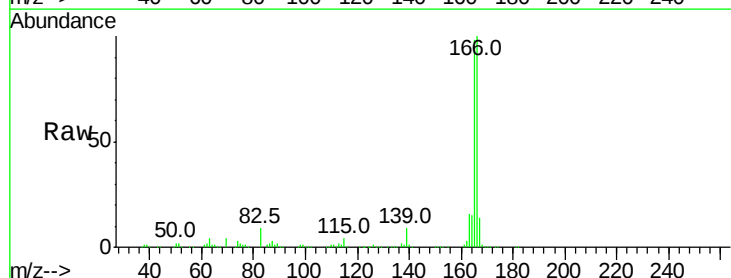
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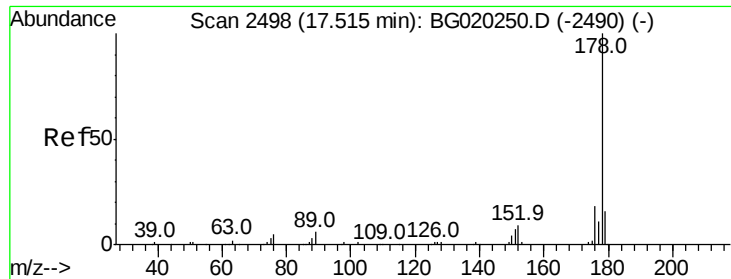
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#59
Fluorene
Concen: 102.97 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:166 Resp: 439550
Ion Ratio Lower Upper
166 100
165 97.6 81.4 122.0
167 14.2 11.2 16.8





#70

Phenanthrene

Concen: 227.58 ng/ul m

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Instrument :

BNA_G

ClientSampleId :

D9N34DL

Tot Ion:178 Resp: 1674848

Ion Ratio Lower Upper

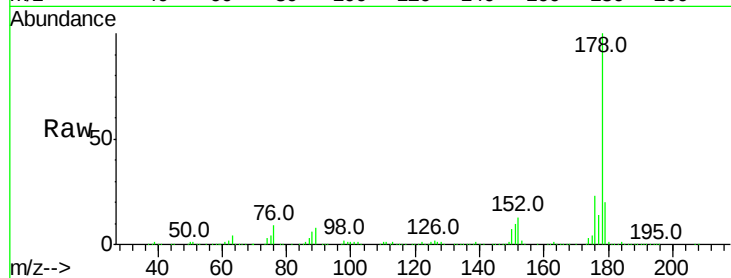
178 100

179 19.5 12.9 19.3#

176 23.3 15.3 22.9#

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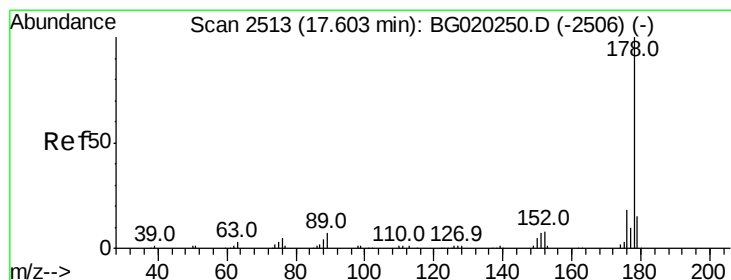
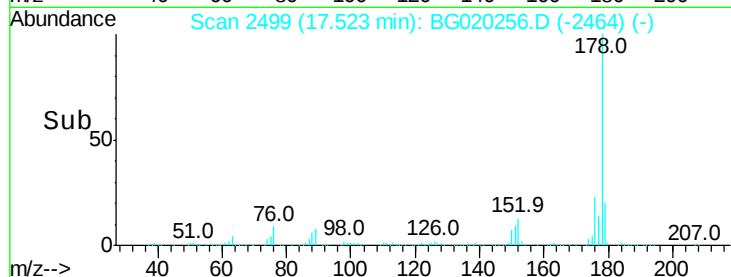
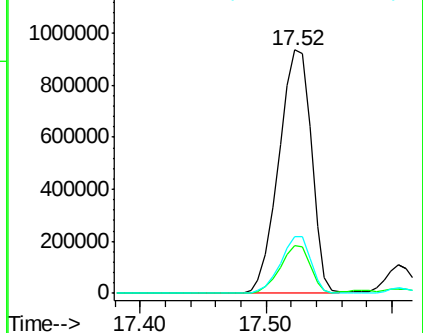
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 22.30 ng/ul

RT: 17.61 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Tgt Ion:178 Resp: 166486

Ion Ratio Lower Upper

178 100

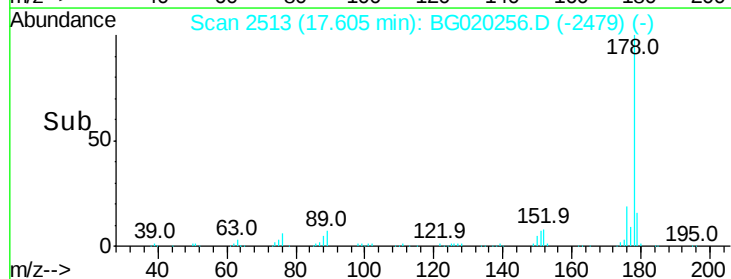
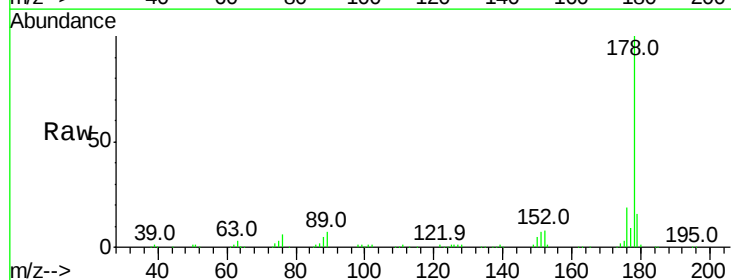
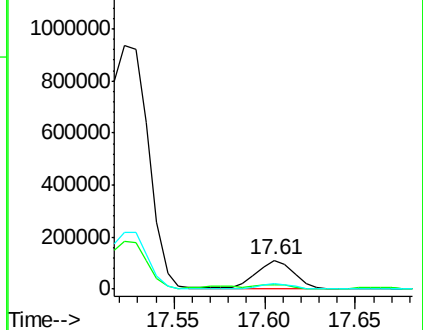
179 15.6 12.3 18.5

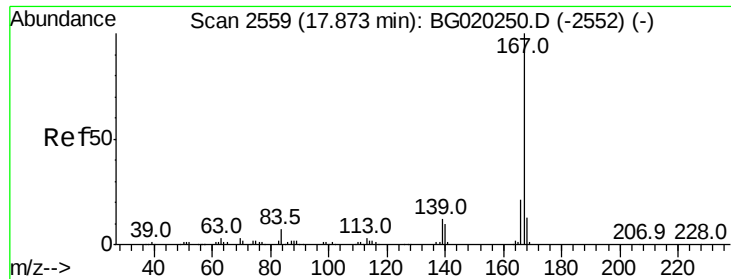
176 18.9 14.3 21.5

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: 12.52 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Instrument :

BNA_G

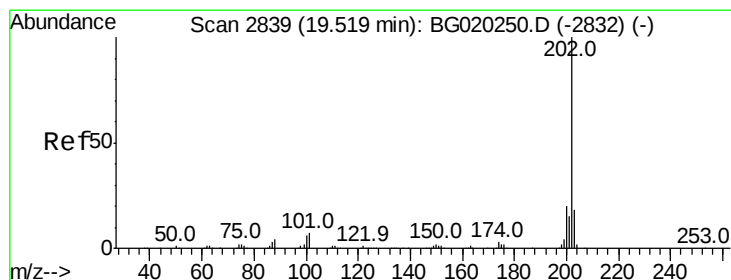
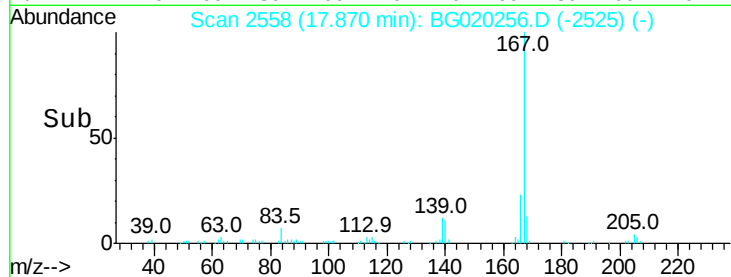
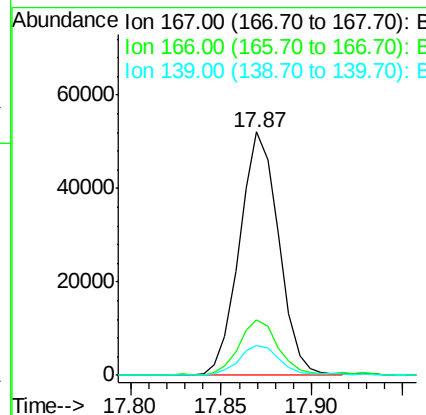
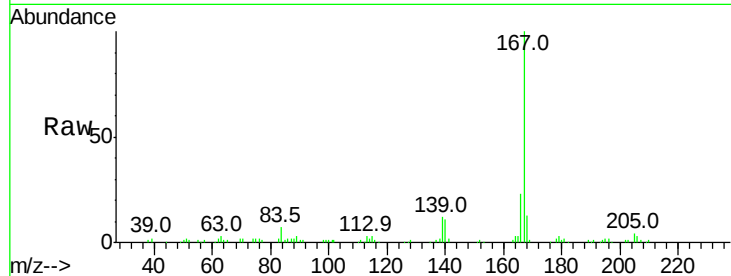
ClientSampleId :

D9N34DL

Tot Ion:	167	Resp:	78530
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.0	25.6
139	12.3	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 123.83 ng/ul

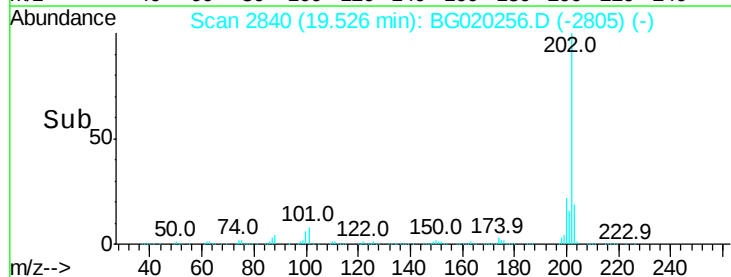
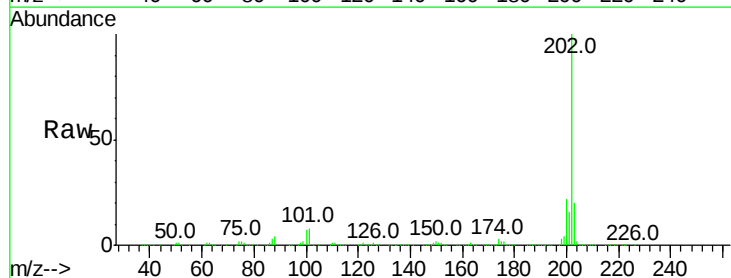
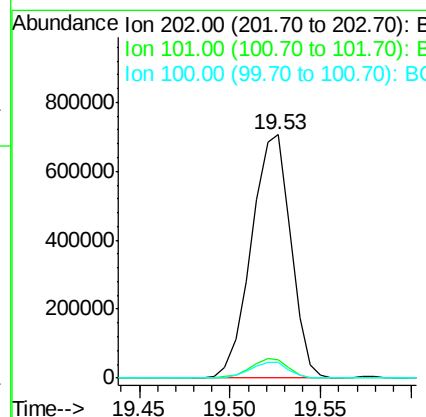
RT: 19.53 min Scan# 2840

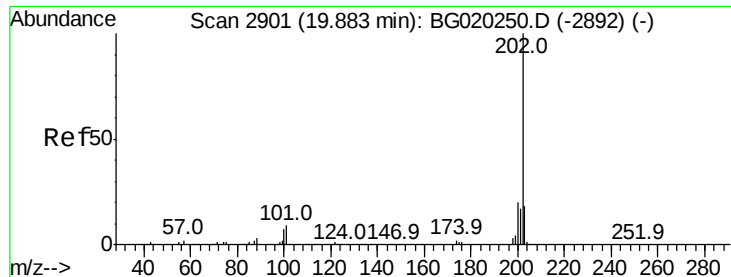
Delta R.T. 0.01 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Tgt Ion:	202	Resp:	1065096
Ion Ratio	Lower	Upper	
202	100		
101	7.7	6.2	9.4
100	6.5	5.1	7.7





#80

Pvrene

Concen: 66.50 ng/ul

RT: 19.88 min Scan# 2901

Delta R.T. 0.00 min

Lab File: BG020256.D

Acq: 17 Dec 2015 21:49

Instrument :

BNA_G

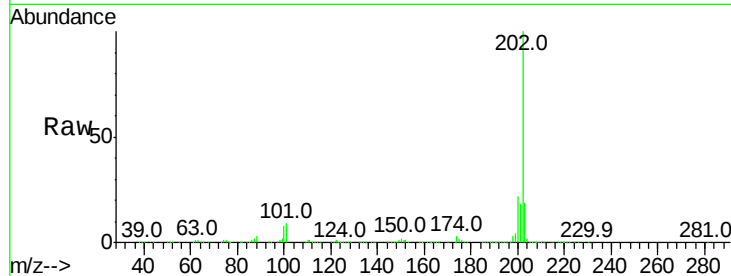
ClientSampleId :

D9N34DL

Tot Ion:	202	Resp:	717784
Ion Ratio	Lower	Upper	
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101	9.0	7.0	10.4
100	7.7	6.4	9.6

Manual Integrations
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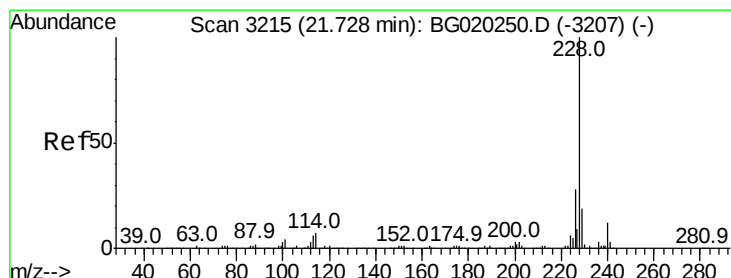
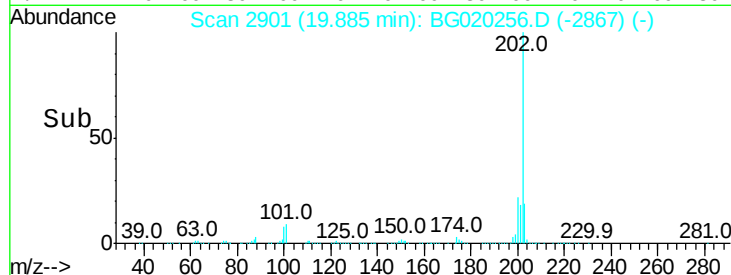
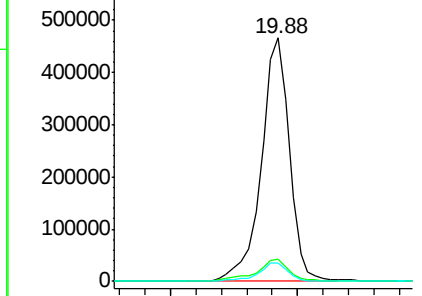
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#83

Benzo(a)anthracene

Concen: 18.66 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BG020256.D

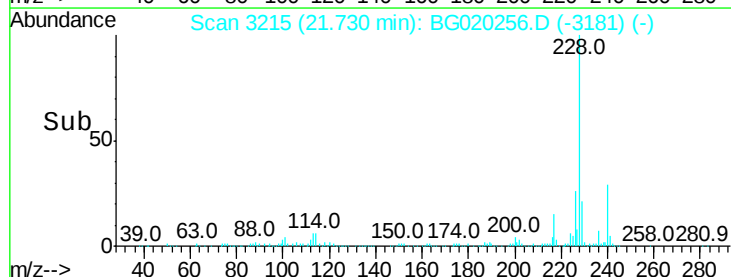
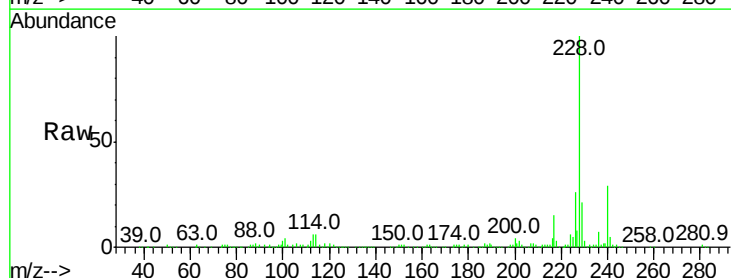
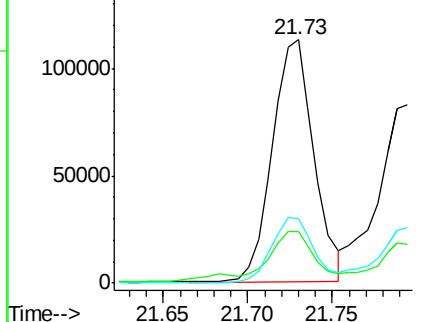
Acq: 17 Dec 2015 21:49

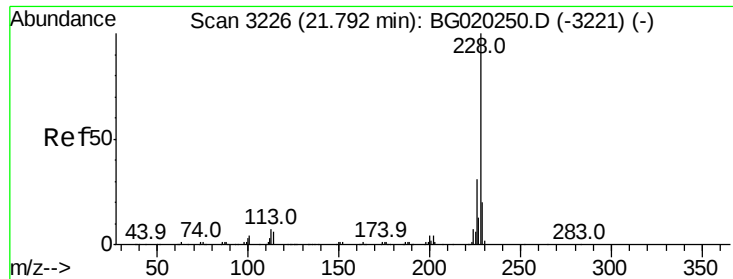
Tgt Ion:	228	Resp:	194164
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.8	23.8
226	26.5	21.8	32.6

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





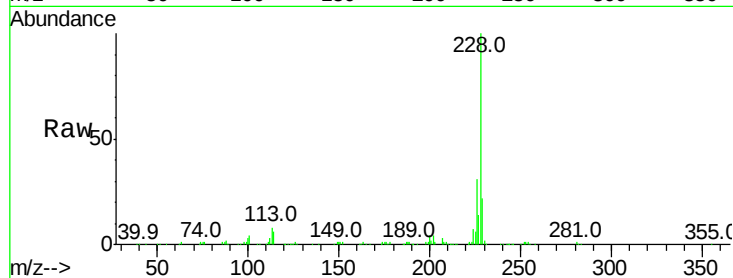
#85
Chrysene
Concen: 15.95 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

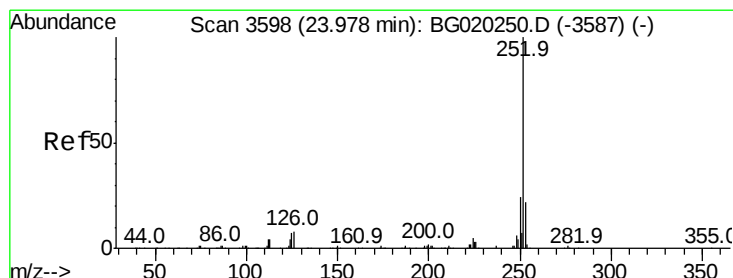
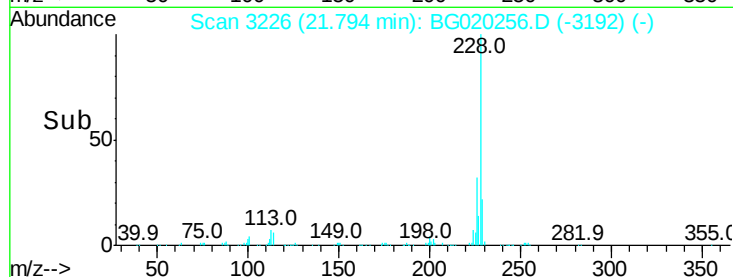
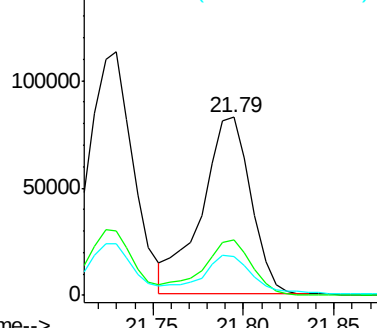
Tot Ion:	228	Resp:	156327
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.9	35.9
229	22.1	15.6	23.4

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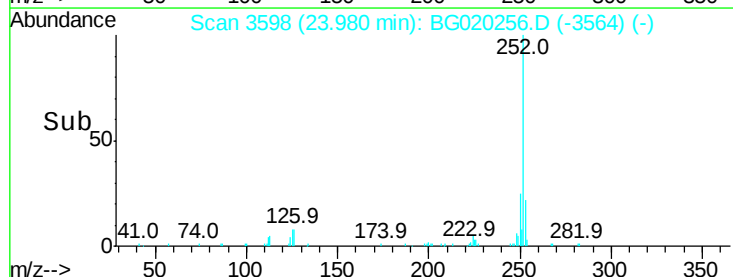
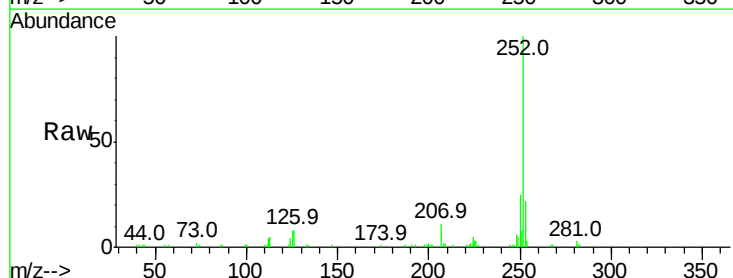
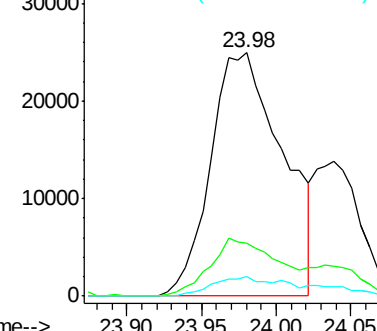
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

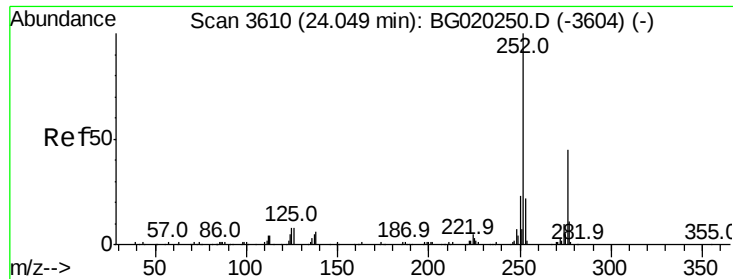


#88
Benzo(b)fluoranthene
Concen: 8.05 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion:	252	Resp:	83454
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.7	25.1
125	7.9	6.2	9.2

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





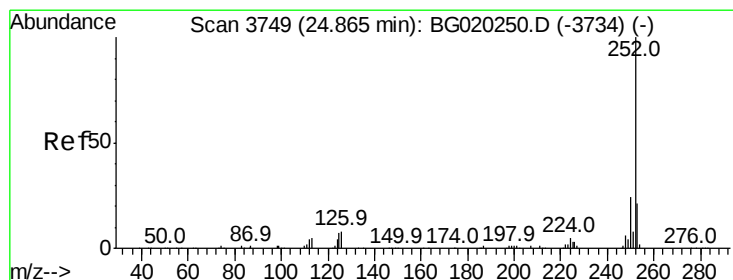
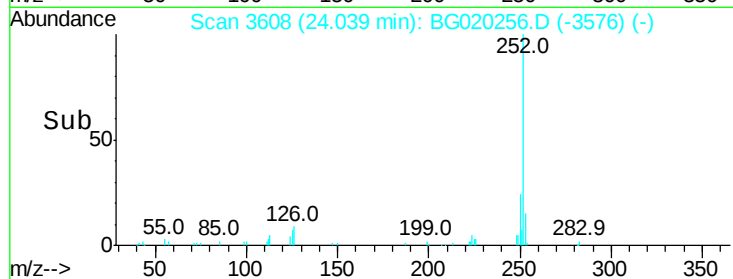
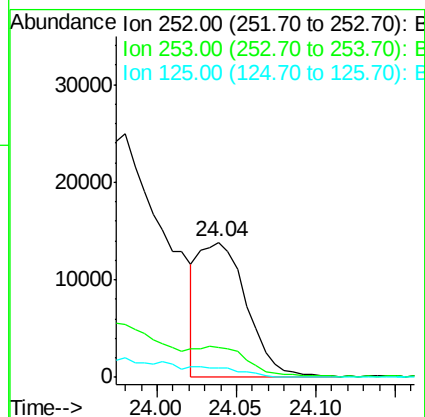
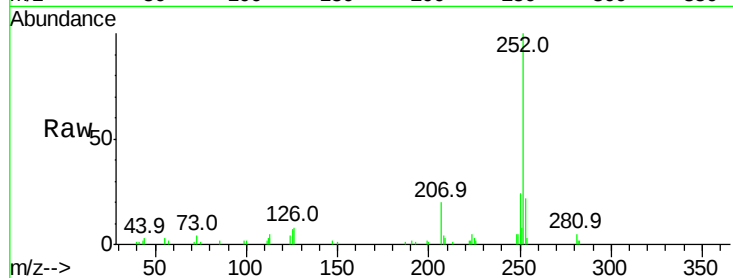
#89
Benzo(k)fluoranthene
Concen: 2.92 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Instrument :
BNA_G
ClientSampleId :
D9N34DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	6.6	5.8	8.6

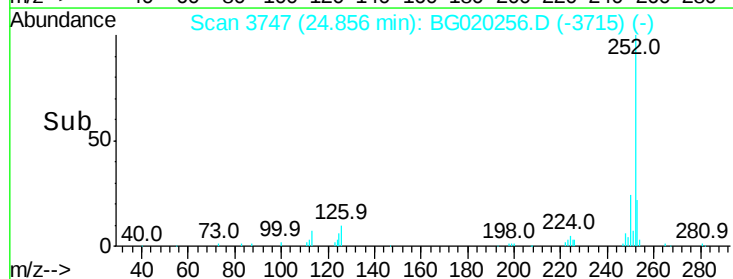
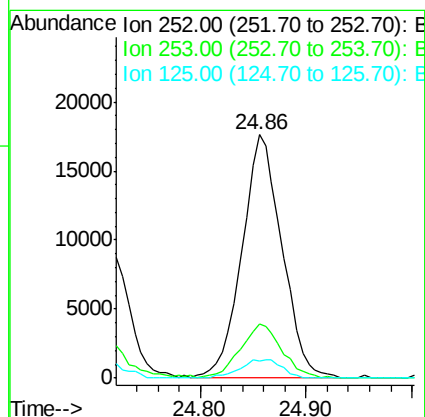
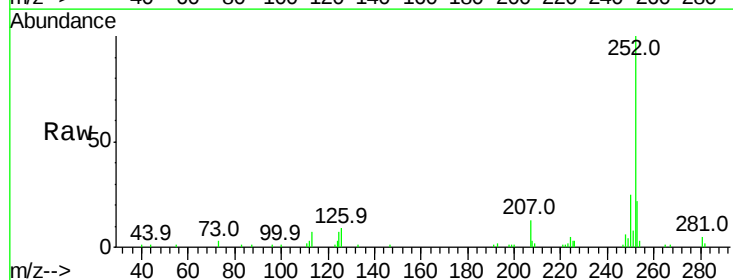
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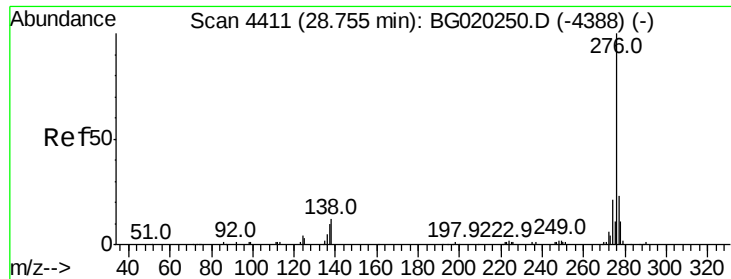
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#91
Benzo(a)pyrene
Concen: 4.71 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. -0.01 min
Lab File: BG020256.D
Acq: 17 Dec 2015 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	7.1	6.2	9.4





#92

Indeno(1,2,3-cd)pvrene

Concen: 1.16 ng/ul m

RT: 28.74 min Scan# 4408

Delta R.T. -0.02 min

Lab File: BG020256.D

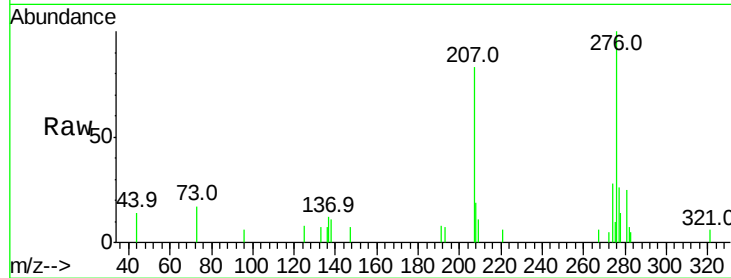
Acq: 17 Dec 2015 21:49

Instrument :

BNA_G

ClientSampleId :

D9N34DL



Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	11.0		11.4	17.0#
277	26.5		17.4	26.0#

Manual Integrations
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