

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
 Data File : BG020265.D
 Acq On : 18 Dec 2015 4:01
 Operator : UM/SJ
 Sample : G4767-22DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44DL

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:20:27 PM

Quant Time: Dec 18 15:50:18 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	19911	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	87619	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.73	164	64188	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	133983	20.00	ng/ul	0.01
78) Chrysene-d12	21.76	240	173701	20.00	ng/ul	0.01
86) Perylene-d12	25.03	264	166891	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	2814	1.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	1771	1.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	2447	1.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	2739	1.82	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	1545	2.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	1474	1.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	2759	1.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	6474	3.74	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	11664	2.25	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	11549	1.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	2740	2.94	ng/ul	0.00
58) Fluorene-d10	15.73	176	9841	2.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.60	188	12896m	2.09	ng/ul	0.03
79) Pyrene-d10	19.86	212	15666	1.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	16418	1.97	ng/ul	0.00

Target Compounds

					Ovalue
11) 2-Methylphenol	8.53	108	2469	1.72	ng/ul# 79
16) 4-Methylphenol	8.86	108	3514	2.21	ng/ul 92
24) 2,4-Dimethylphenol	10.07	107	12086m	6.53	ng/ul
28) Naphthalene	11.00	128	4201597	918.26	ng/ul# 71
34) 2-Methylnaphthalene	12.58	142	1702266	487.05	ng/ul 100
41) 1,1'-Biphenyl	13.57	154	735143	151.81	ng/ul 98
45) Dimethylphthalate	14.18	163	5336	1.01	ng/ul 98
48) Acenaphthylene	14.46	152	277193	43.19	ng/ul# 96
50) Acenaphthene	14.82	153	2581264	597.80	ng/ul# 89
54) Dibenzofuran	15.15	168	2531545	394.12	ng/ul# 80
59) Fluorene	15.80	166	2413006	467.81	ng/ul# 97
70) Phenanthrene	17.58	178	6320444m	862.43	ng/ul
72) Anthracene	17.63	178	851667	114.58	ng/ul 95
75) Carbazole	17.88	167	549235	87.94	ng/ul 97
77) Fluoranthene	19.56	202	4422979m	516.40	ng/ul
80) Pyrene	19.91	202	3522177	335.03	ng/ul# 76
83) Benzo(a)anthracene	21.74	228	1223776	120.74	ng/ul 92
85) Chrysene	21.81	228	1024400	107.32	ng/ul# 93
88) Benzo(b)fluoranthene	23.99	252	621849	61.91	ng/ul 96
89) Benzo(k)fluoranthene	24.05	252	218527m	22.67	ng/ul
91) Benzo(a)pyrene	24.87	252	351888	36.96	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	28.76	276	111437	9.83	ng/ul 97
93) Dibenzo(a,h)anthracene	28.82	278	33394m	3.55	ng/ul

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Instrument :
BNA_G
ClientSampleId :
D9N44DL

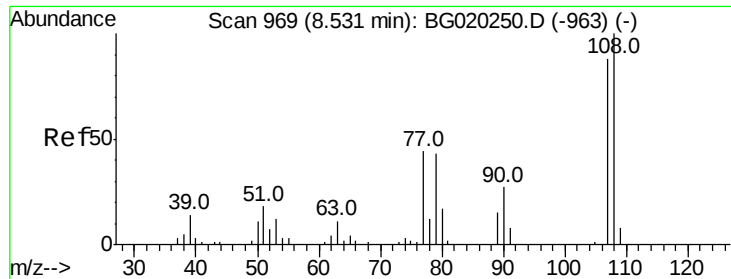
Manual Integrations
APPROVED

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Quant Time: Dec 18 15:50:18 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)
94) Benzo(q,h,i)perylene	29.93	276	80308	8.64	ng/ul	97

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



#11

2-Methylphenol

Concen: 1.72 ng/ul

RT: 8.53 min Scan# 969

Delta R.T. 0.00 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

Instrument :

BNA_G

ClientSampleId :

D9N44DL

Tot Ion:108 Resp: 2469

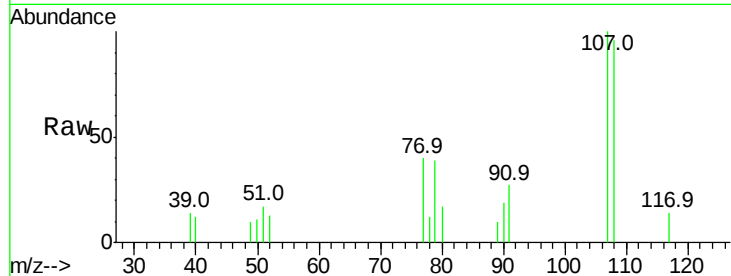
Ion Ratio Lower Upper

108 100

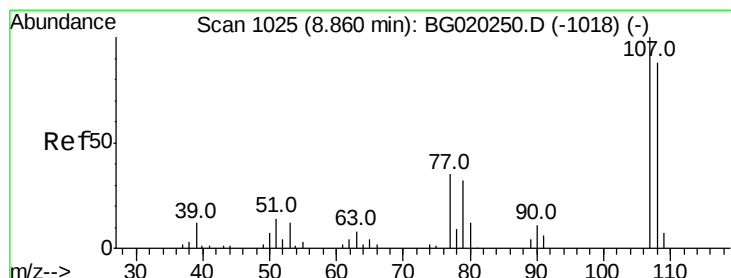
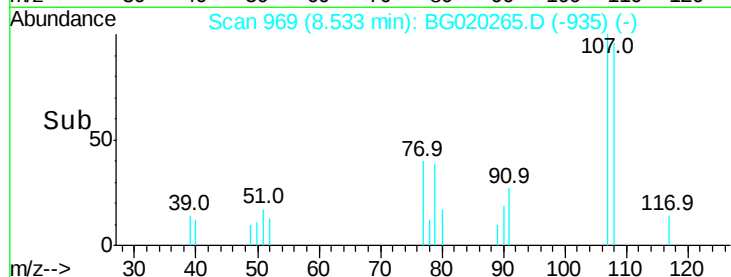
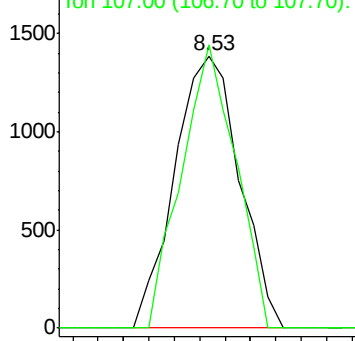
107 103.9 67.5 101.3#

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Abundance Ion 108.00 (107.70 to 108.70): E



#16

4-Methylphenol

Concen: 2.21 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG020265.D

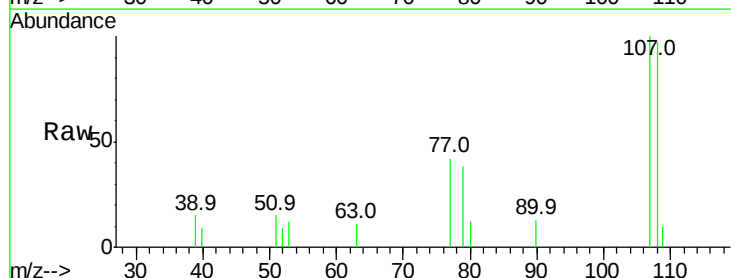
Acq: 18 Dec 2015 4:01

Tgt Ion:108 Resp: 3514

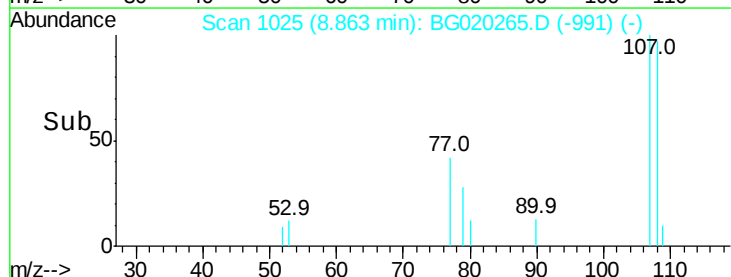
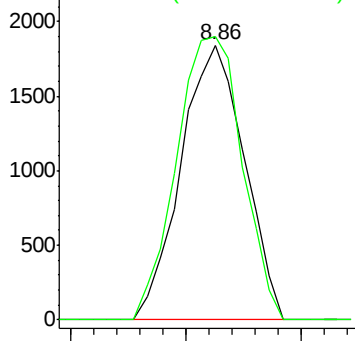
Ion Ratio Lower Upper

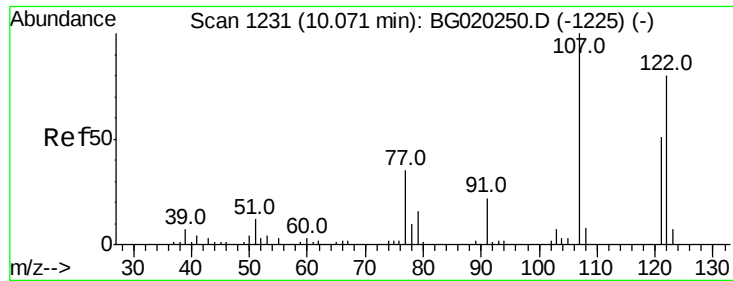
108 100

107 102.9 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E





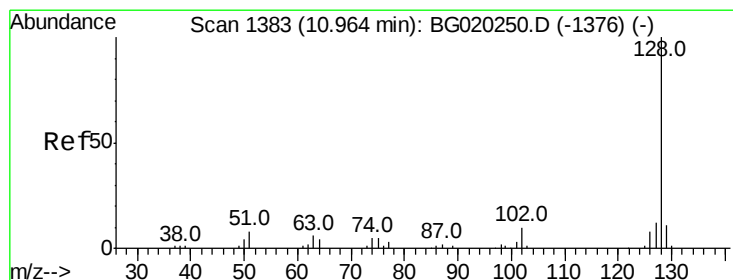
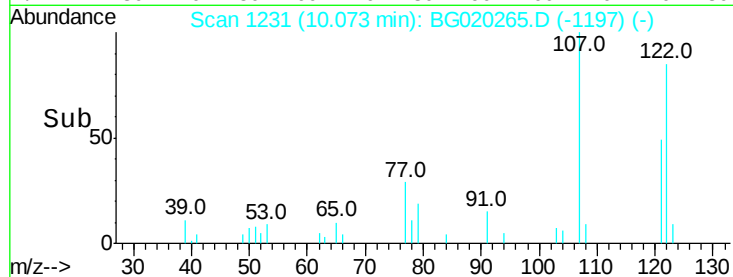
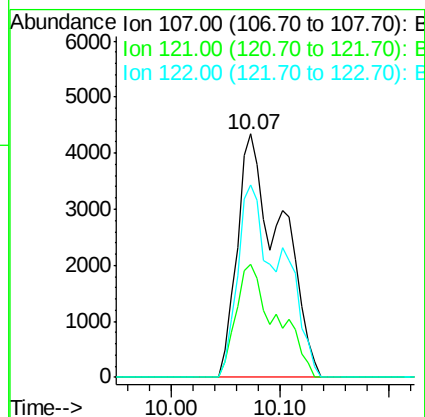
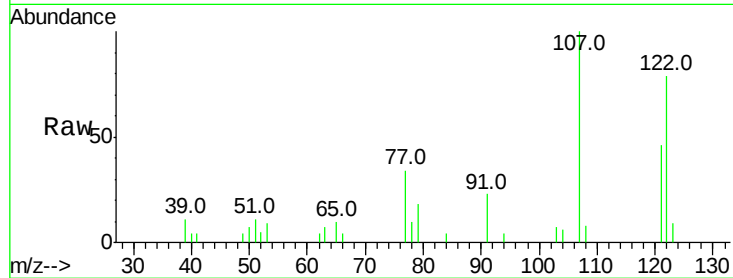
#24
 2,4-Dimethylphenol
 Concen: 6.53 ng/ul m
 RT: 10.07 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Instrument :
 BNA_G
 ClientSampleId :
 D9N44DL

Tot Ion:	107	Resp:	12086
Ion Ratio	Lower	Upper	
107	100		
121	46.2	39.0	58.4
122	79.2	62.1	93.1

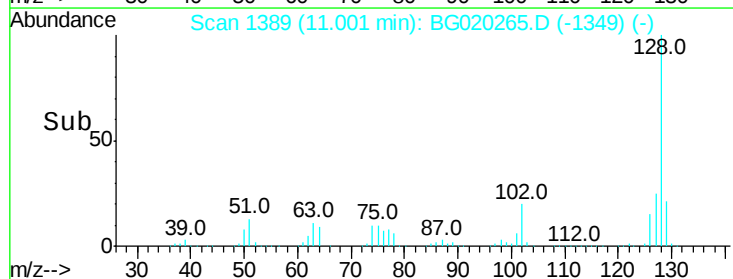
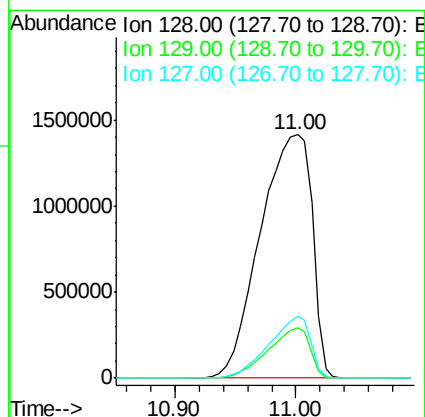
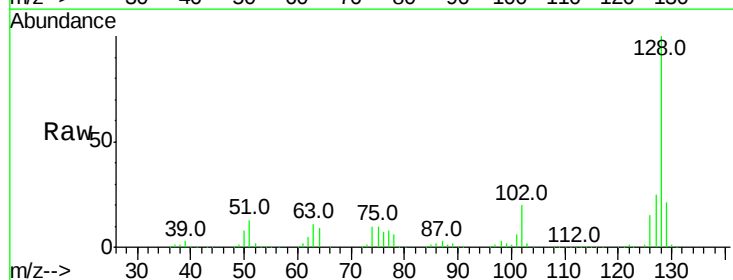
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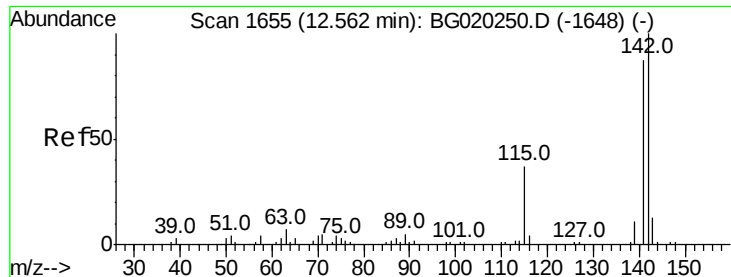
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#28
 Naphthalene
 Concen: 918.26 ng/ul
 RT: 11.00 min Scan# 1389
 Delta R.T. 0.04 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Tgt Ion:	128	Resp:	4201597
Ion Ratio	Lower	Upper	
128	100		
129	20.6	8.6	12.8#
127	25.2	10.1	15.1#





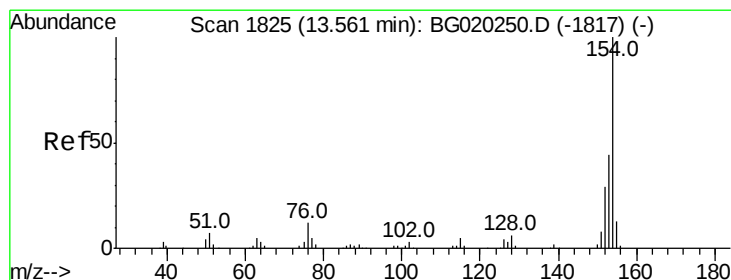
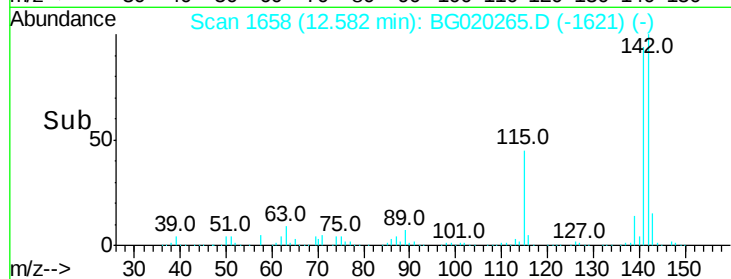
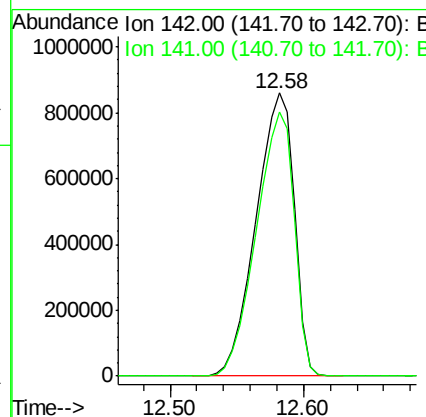
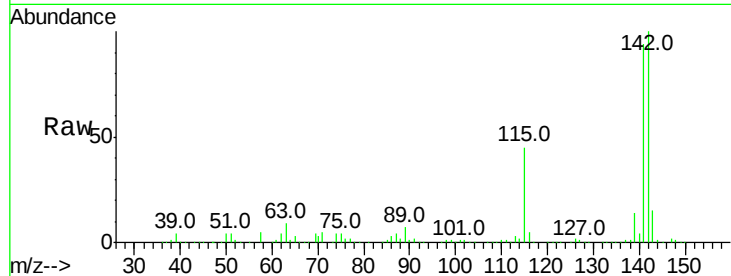
#34
 2-Methylnaphthalene
 Concen: 487.05 ng/ul
 RT: 12.58 min Scan# 1658
 Delta R.T. 0.02 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Instrument :
 BNA_G
 ClientSampleID :
 D9N44DL

Tot Ion:142 Resp: 1702266
 Ion Ratio Lower Upper
 142 100
 141 93.5 74.9 112.3

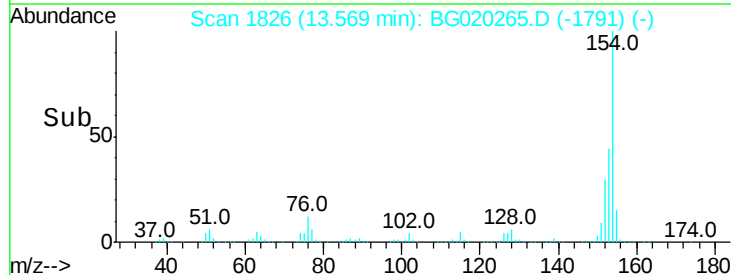
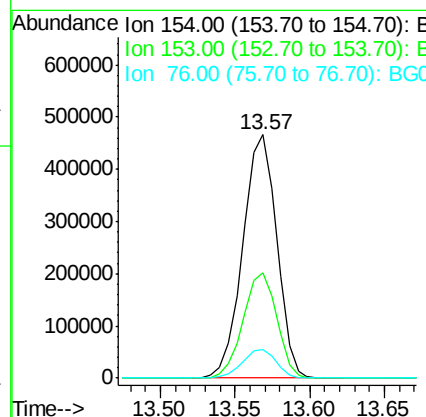
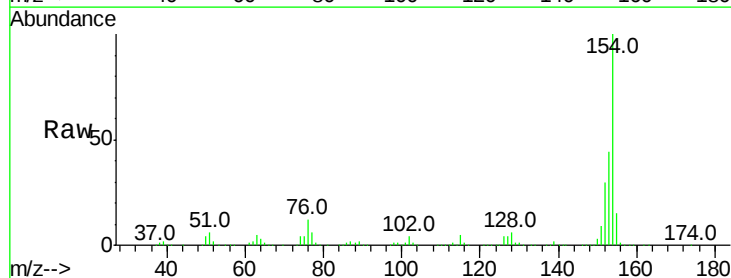
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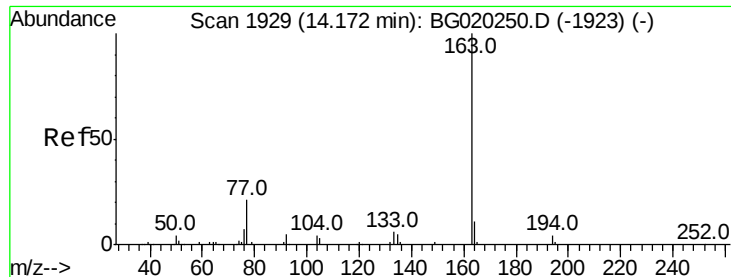
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#41
 1,1'-Biphenyl
 Concen: 151.81 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Tgt Ion:154 Resp: 735143
 Ion Ratio Lower Upper
 154 100
 153 43.5 35.5 53.3
 76 11.9 10.4 15.6





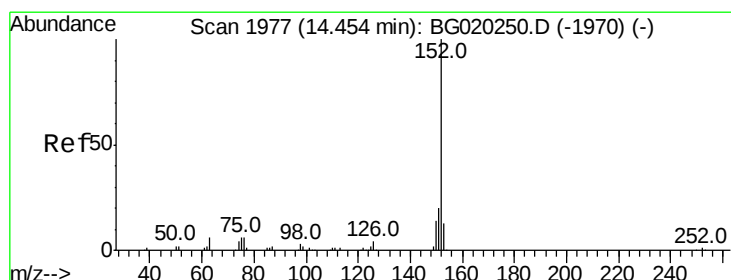
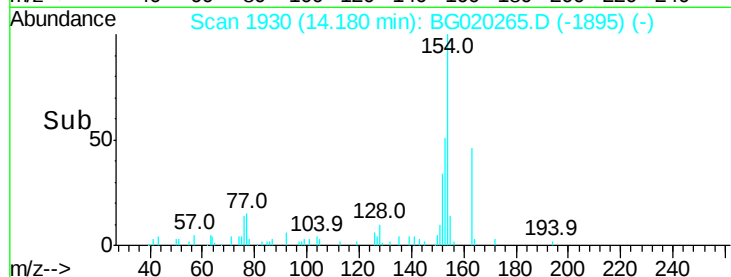
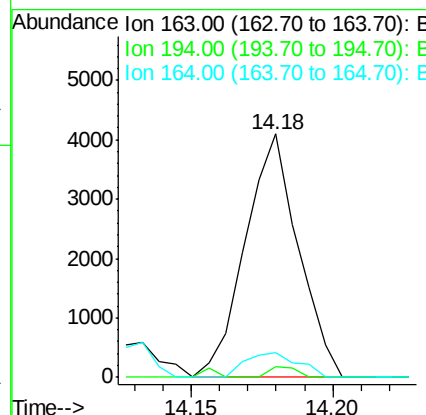
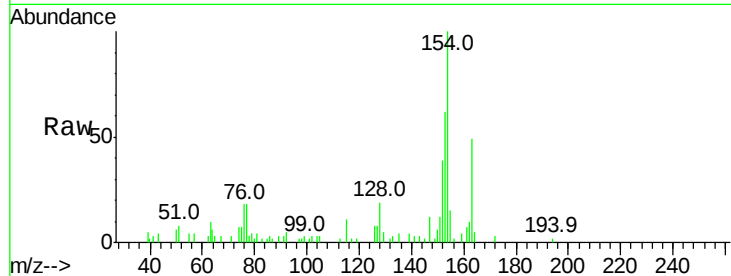
#45
Dimethylphthalate
Concen: 1.01 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Instrument :
BNA_G
ClientSampleId :
D9N44DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	5336		
194	4.1		3.5	5.3
164	10.4		7.7	11.5

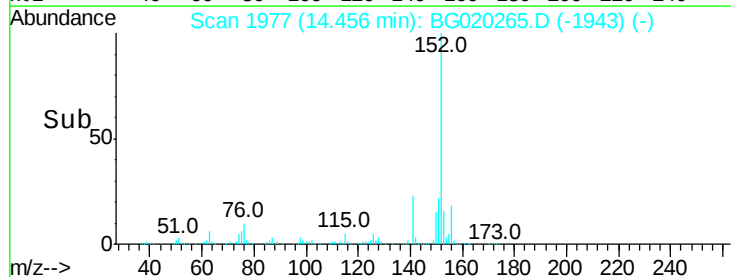
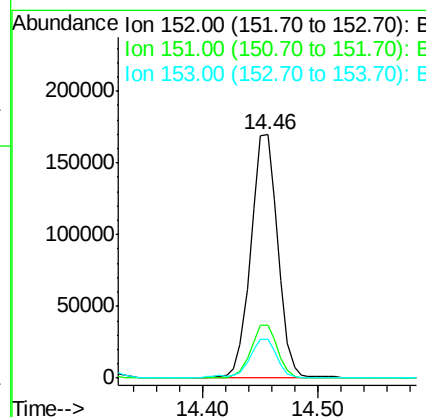
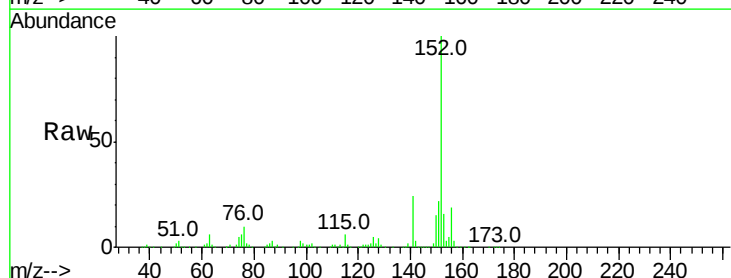
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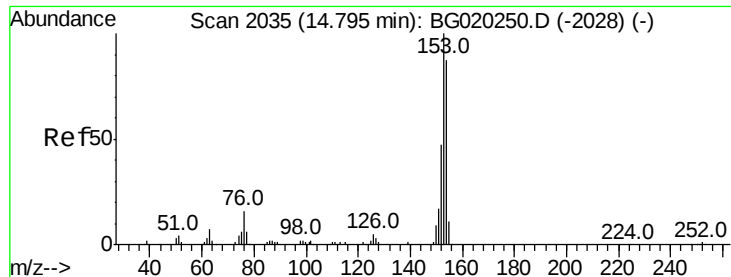
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#48
Acenaphthylene
Concen: 43.19 ng/ul
RT: 14.46 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	277193		
151	21.5		16.4	24.6
153	15.8		10.4	15.6#





#50

Acenaphthene

Concen: 597.80 ng/ul

RT: 14.82 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

Instrument :

BNA_G

ClientSampleId :

D9N44DL

Tot Ion:153 Resp: 2581264

Ion Ratio Lower Upper

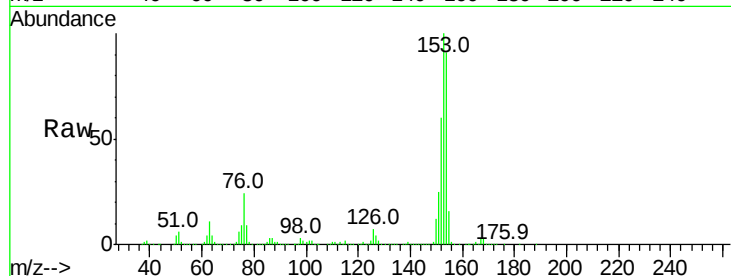
153 100

152 59.6 37.6 56.4#

154 91.0 67.9 101.9

Manual Integrations
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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

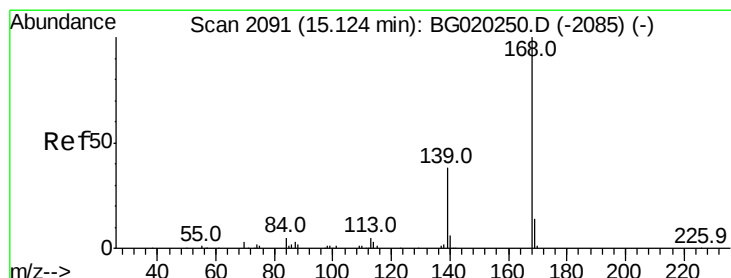
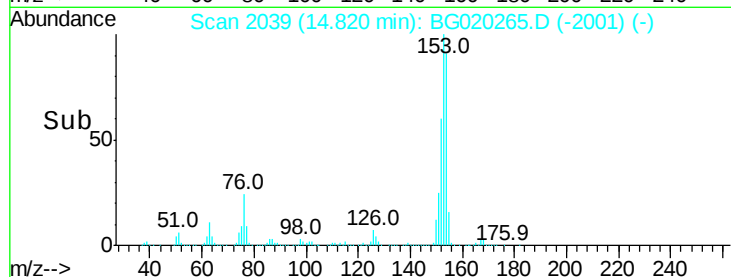
14.82

1000000

500000

0

Time--> 14.70 14.75 14.80 14.85



#54

Dibenzofuran

Concen: 394.12 ng/ul

RT: 15.15 min Scan# 2095

Delta R.T. 0.03 min

Lab File: BG020265.D

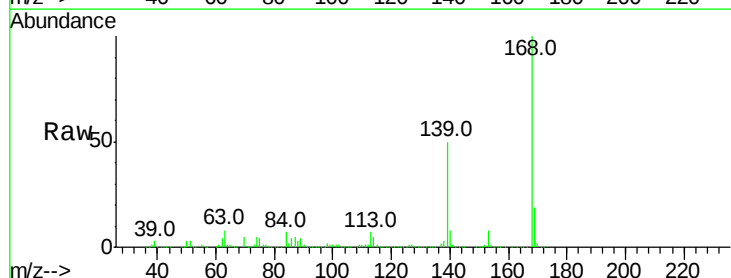
Acq: 18 Dec 2015 4:01

Tgt Ion:168 Resp: 2531545

Ion Ratio Lower Upper

168 100

139 50.0 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

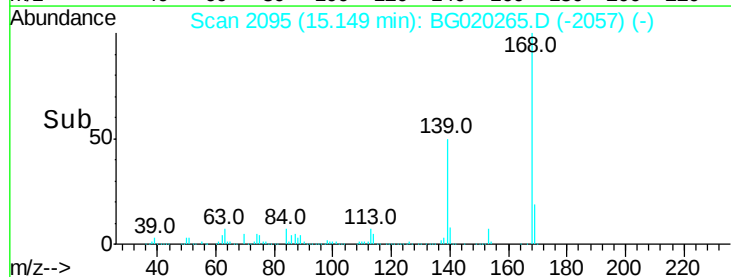
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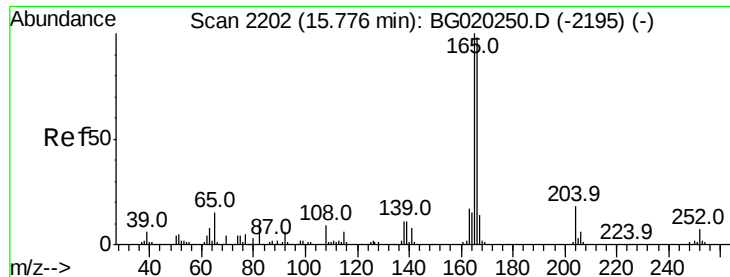
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Time--> 15.05 15.10 15.15 15.20





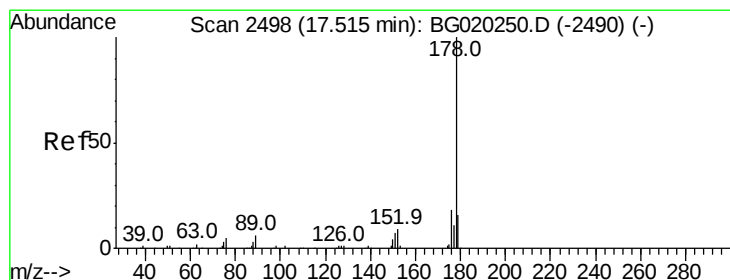
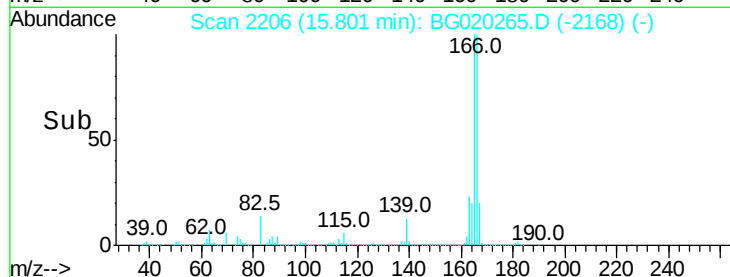
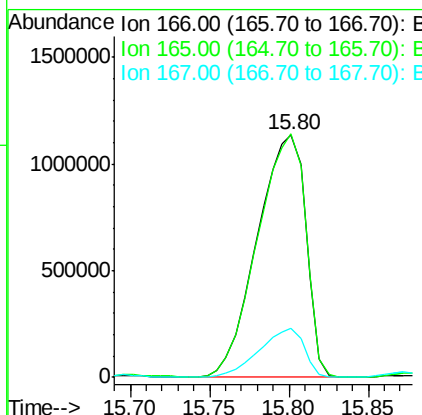
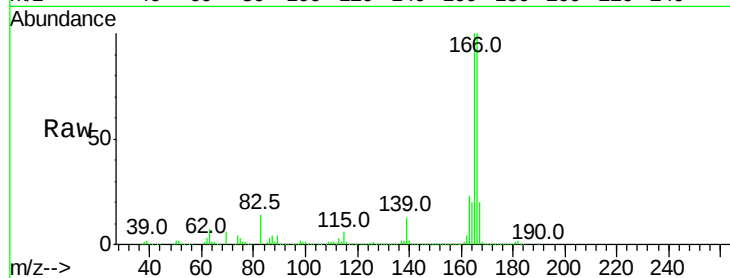
#59
 Fluorene
 Concen: 467.81 ng/ul
 RT: 15.80 min Scan# 2206
 Delta R.T. 0.03 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Instrument :
 BNA_G
 ClientSampleId :
 D9N44DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	81.4	122.0
167	20.5	11.2	16.8

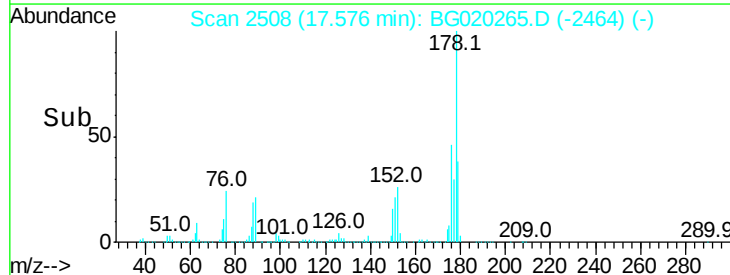
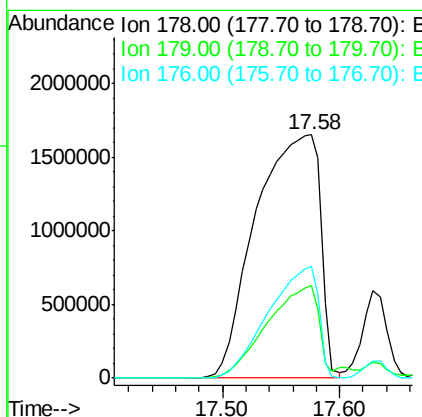
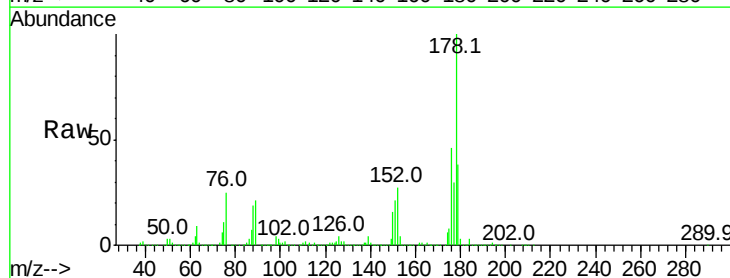
Manual Integrations
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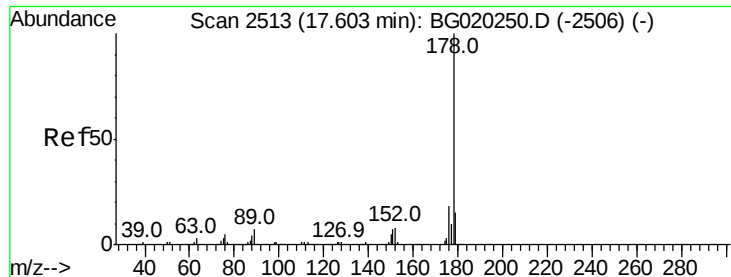
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#70
 Phenanthrene
 Concen: 862.43 ng/ul m
 RT: 17.58 min Scan# 2508
 Delta R.T. 0.06 min
 Lab File: BG020265.D
 Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	38.0	12.9	19.3
176	45.7	15.3	22.9





#72

Anthracene

Concen: 114.58 ng/ul

RT: 17.63 min Scan# 2517

Delta R.T. 0.03 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

Instrument :

BNA_G

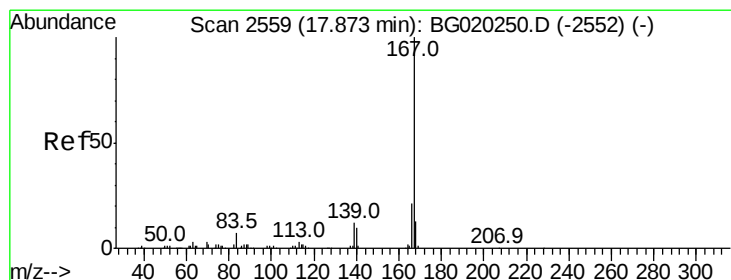
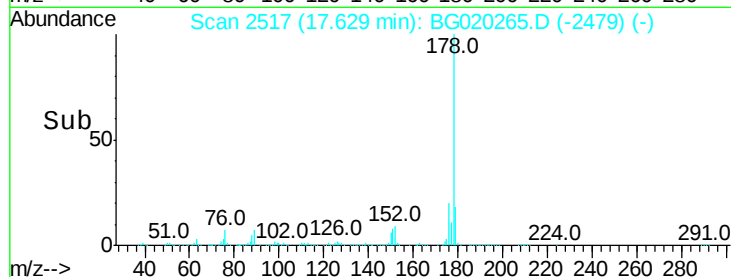
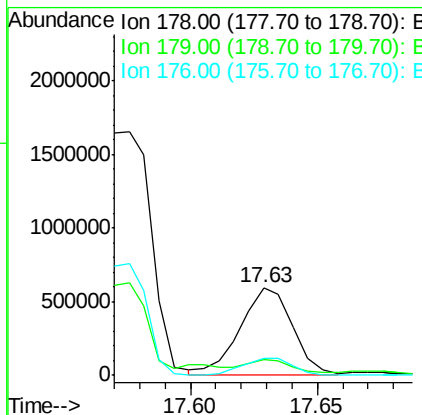
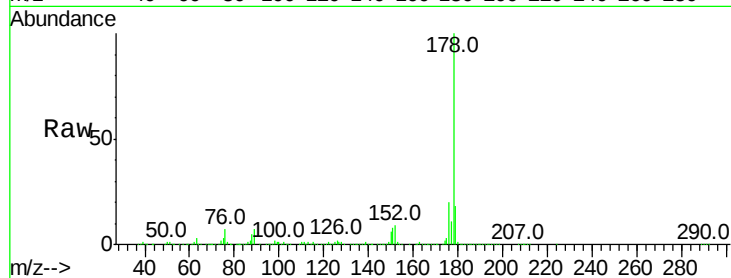
ClientSampleId :

D9N44DL

Tot Ion:	178	Resp:	851667
Ion Ratio	Lower	Upper	
178	100		
179	17.8	12.3	18.5
176	20.1	14.3	21.5

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#75

Carbazole

Concen: 87.94 ng/ul

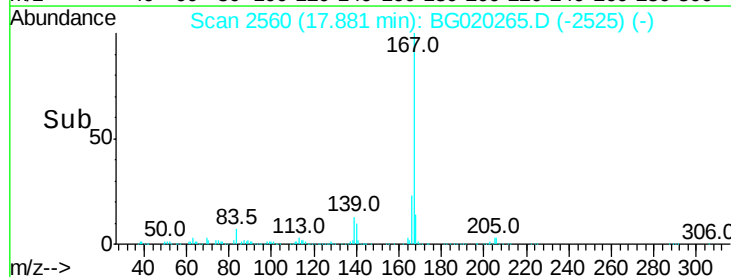
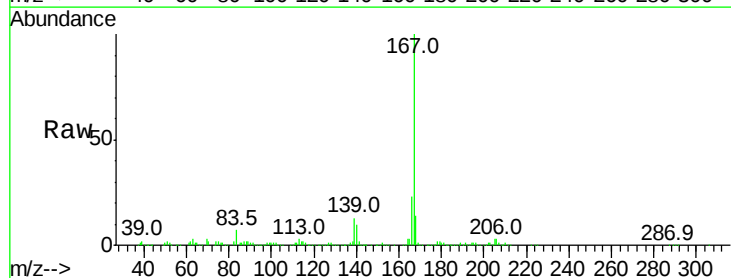
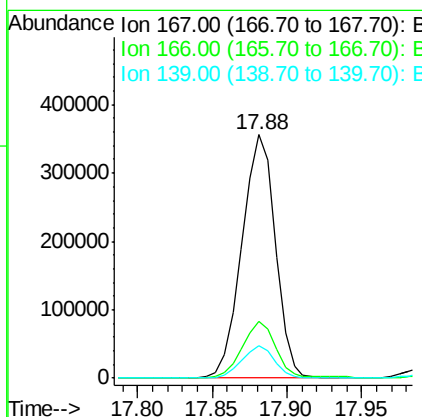
RT: 17.88 min Scan# 2560

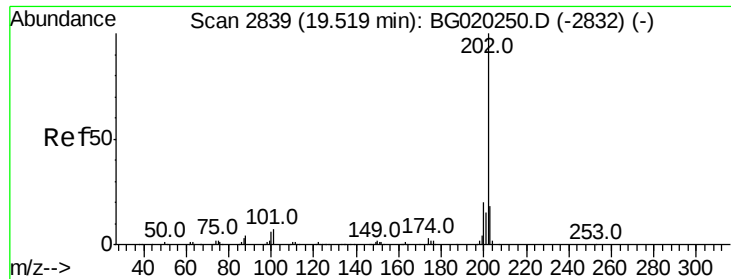
Delta R.T. 0.01 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

Tgt Ion:	167	Resp:	549235
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.0	25.6
139	13.1	10.1	15.1





#77

Fluoranthene

Concen: 516.40 ng/ul m

RT: 19.56 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

Instrument :

BNA_G

ClientSampleId :

D9N44DL

Tot Ion:202 Resp: 4422979

Ion Ratio Lower Upper

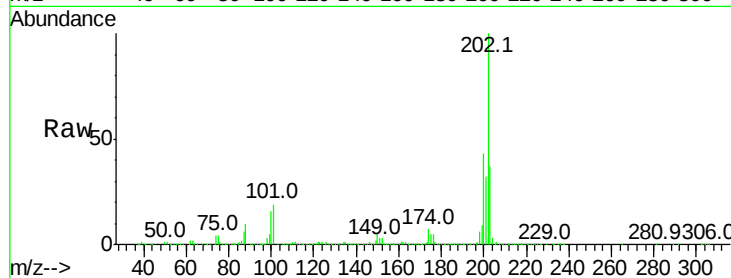
202 100

101 19.2 6.2 9.4#

100 15.8 5.1 7.7#

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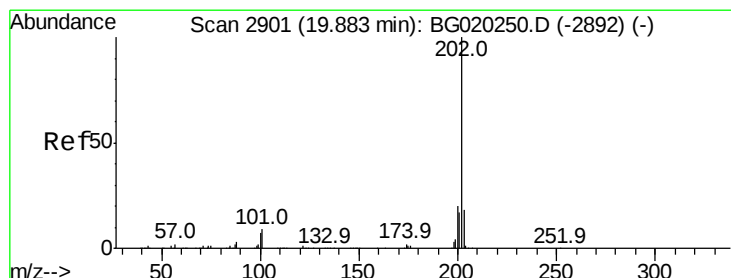
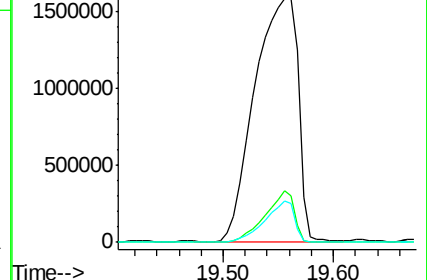
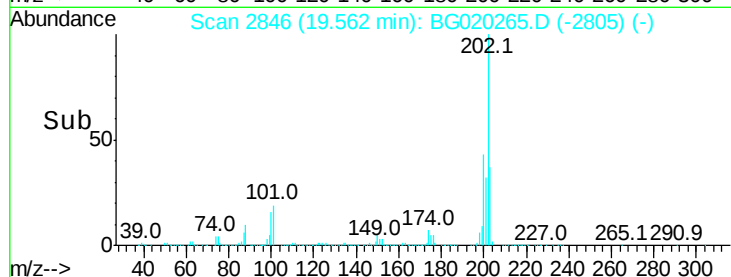
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 335.03 ng/ul

RT: 19.91 min Scan# 2906

Delta R.T. 0.03 min

Lab File: BG020265.D

Acq: 18 Dec 2015 4:01

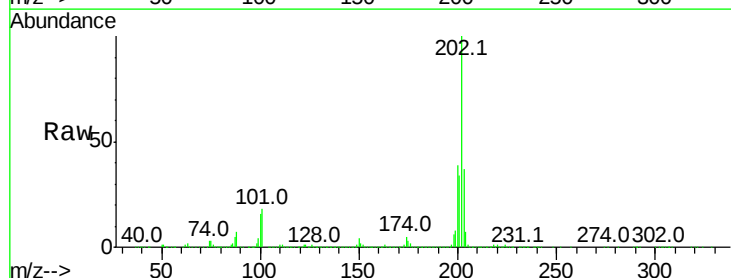
Tgt Ion:202 Resp: 3522177

Ion Ratio Lower Upper

202 100

101 18.2 7.0 10.4#

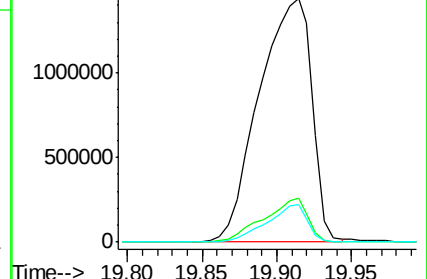
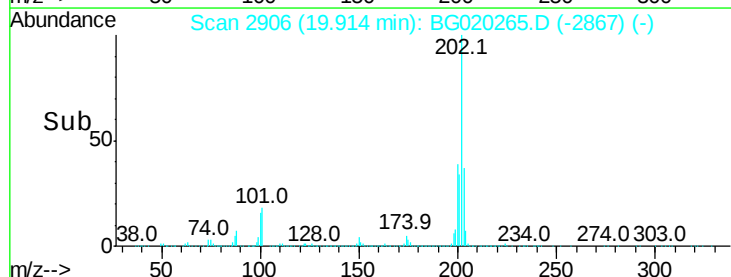
100 15.7 6.4 9.6#

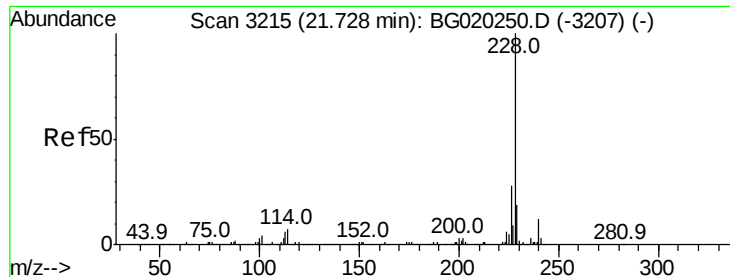


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





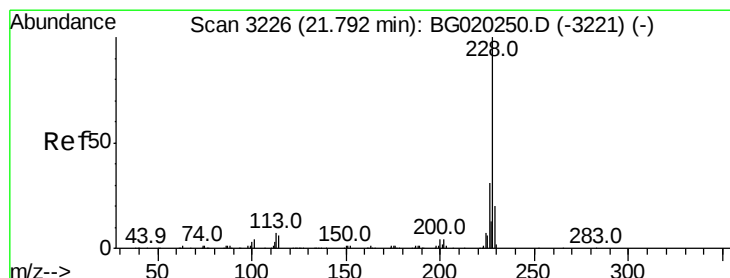
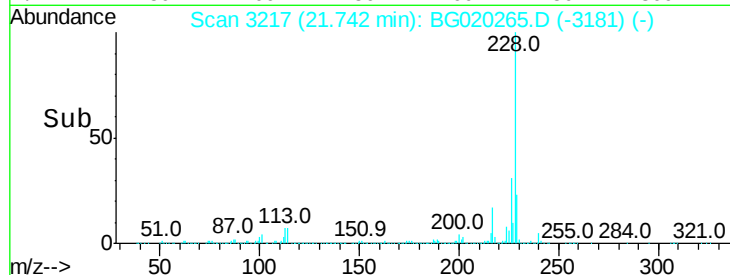
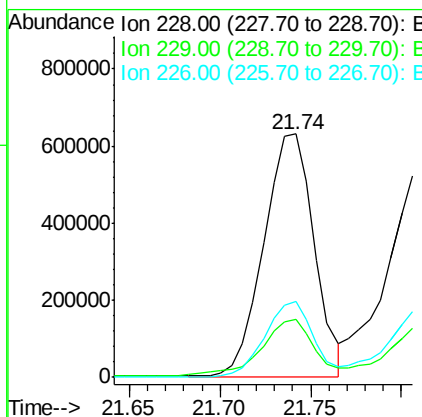
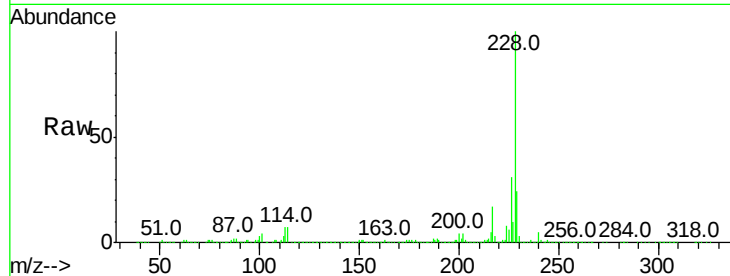
#83
Benzo(a)anthracene
Concen: 120.74 ng/ul
RT: 21.74 min Scan# 3217
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Instrument :
BNA_G
ClientSampleId :
D9N44DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.7	15.8	23.8
226	31.0	21.8	32.6

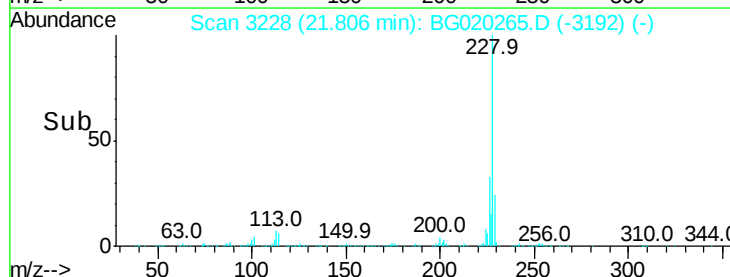
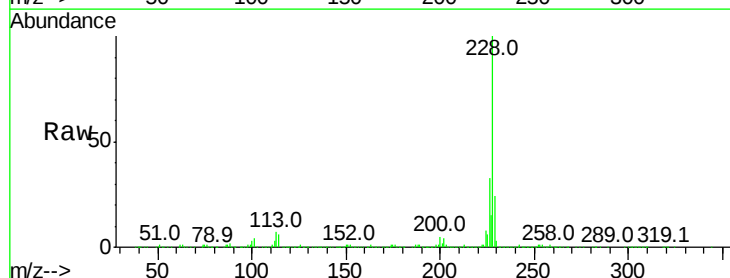
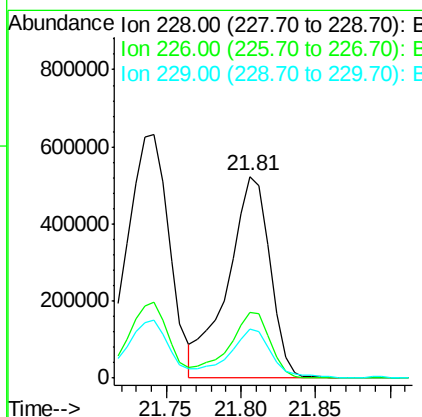
Manual Integrations
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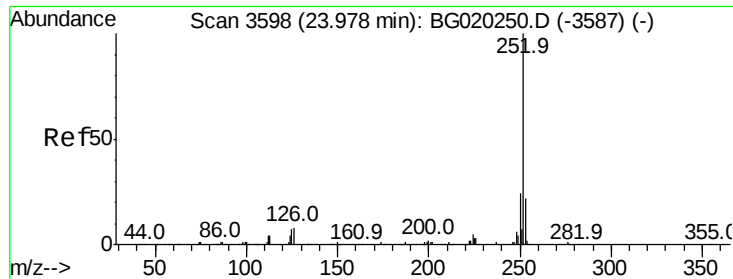
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#85
Chrysene
Concen: 107.32 ng/ul
RT: 21.81 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.9	35.9
229	24.3	15.6	23.4





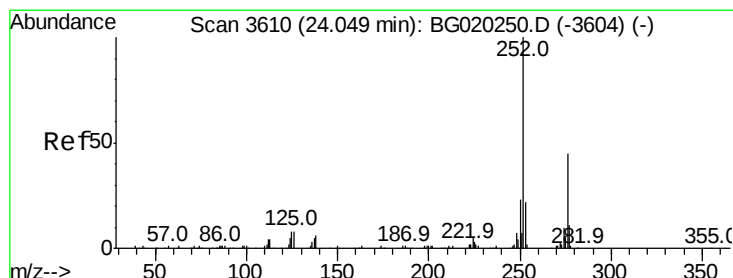
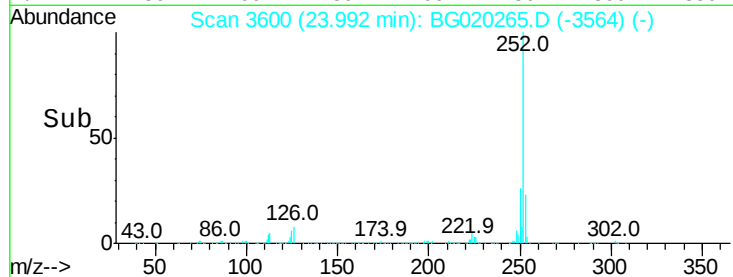
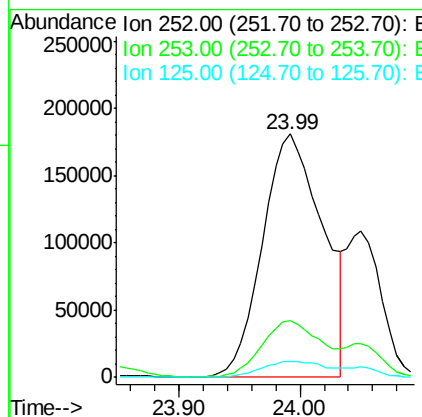
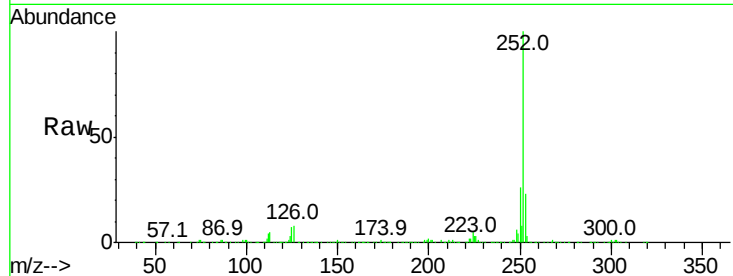
#88
Benzo(b)fluoranthene
Concen: 61.91 ng/ul
RT: 23.99 min Scan# 3600
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Instrument :
BNA_G
ClientSampleId :
D9N44DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.7	25.1
125	6.6	6.2	9.2

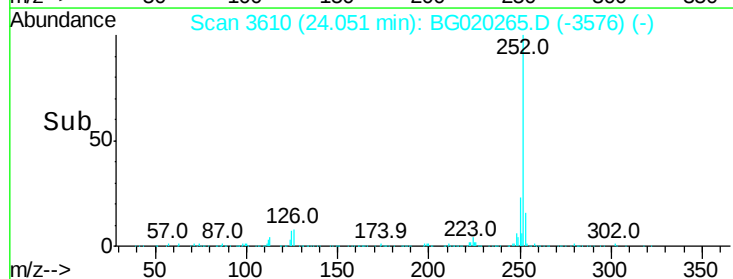
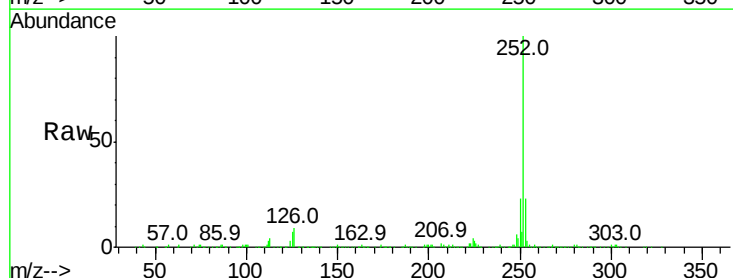
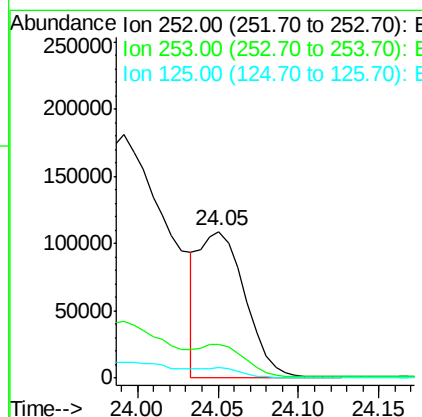
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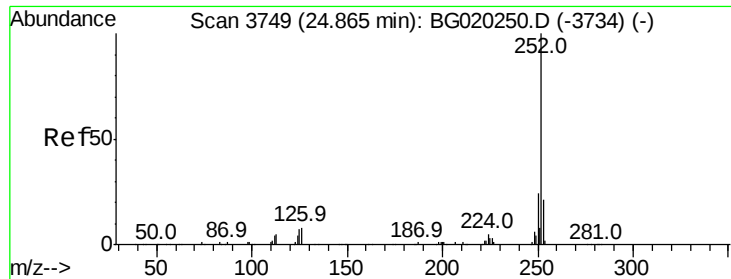
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#89
Benzo(k)fluoranthene
Concen: 22.67 ng/ul m
RT: 24.05 min Scan# 3610
Delta R.T. 0.00 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	7.0	5.8	8.6





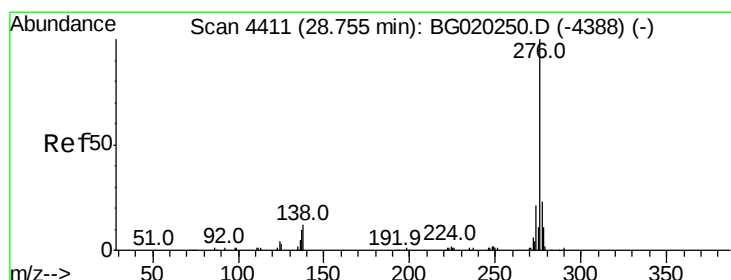
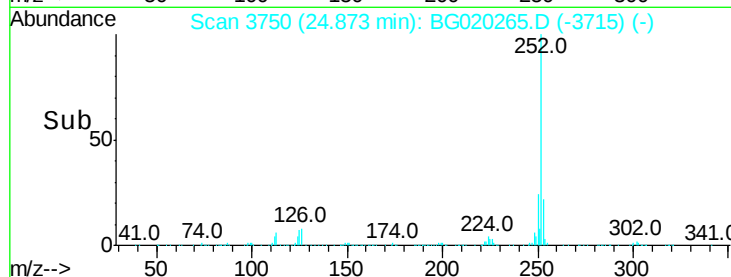
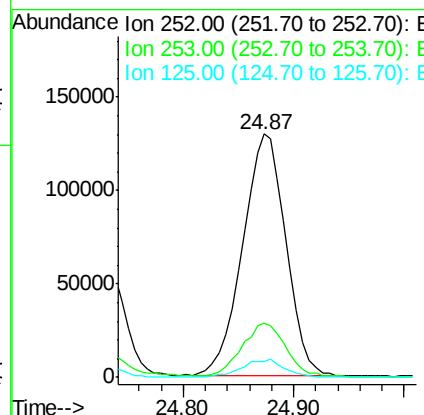
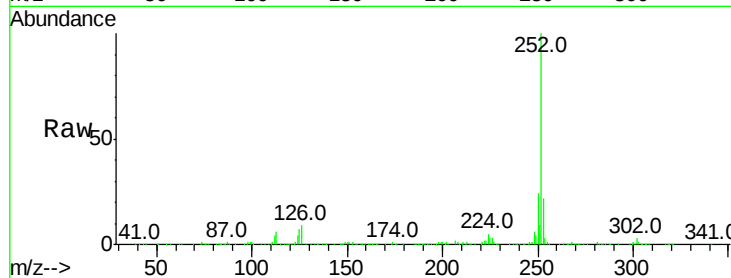
#91
Benzo(a)pyrene
Concen: 36.96 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Instrument :
BNA_G
ClientSampleId :
D9N44DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.0	25.4
125	6.7	6.2	9.4

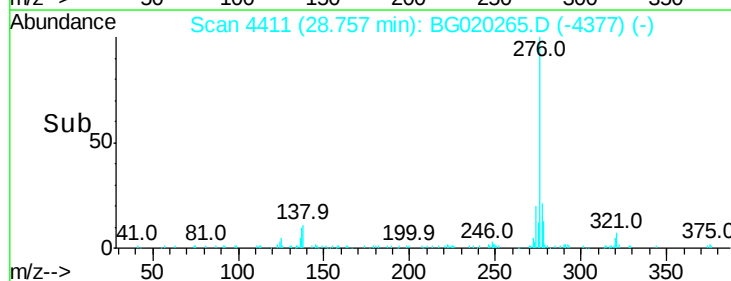
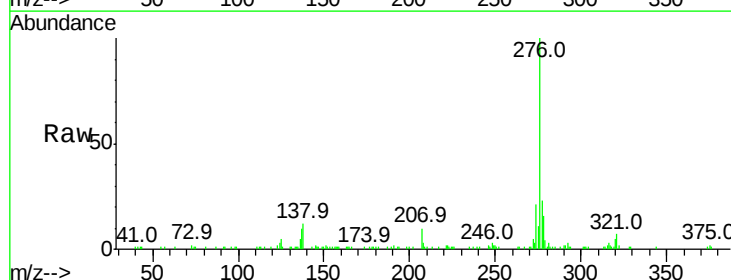
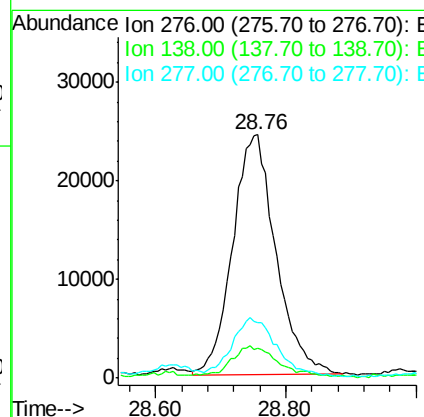
Manual Integrations
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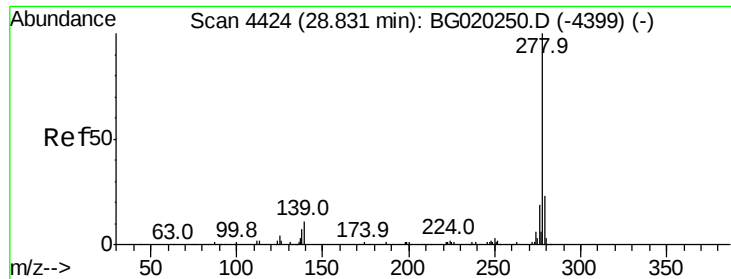
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#92
Indeno(1,2,3-cd)pyrene
Concen: 9.83 ng/ul
RT: 28.76 min Scan# 4411
Delta R.T. 0.00 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	12.1	11.4	17.0
277	22.8	17.4	26.0





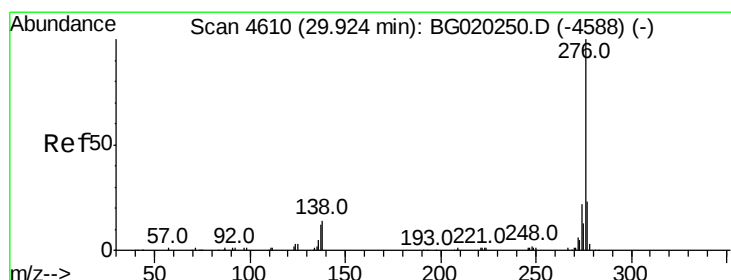
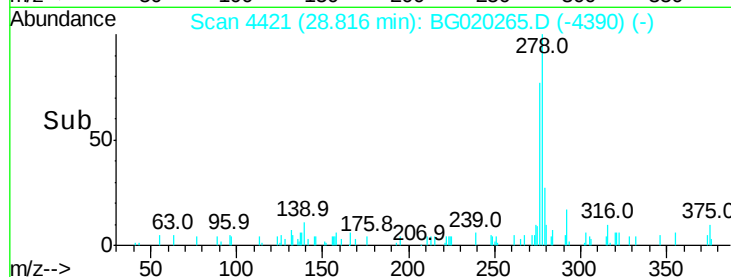
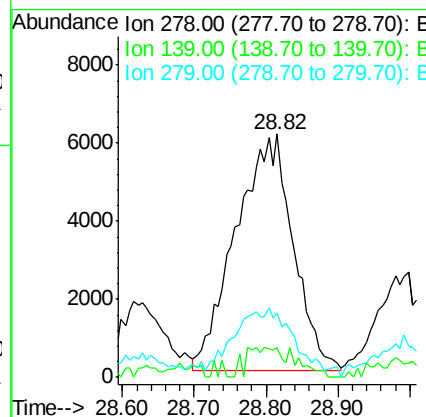
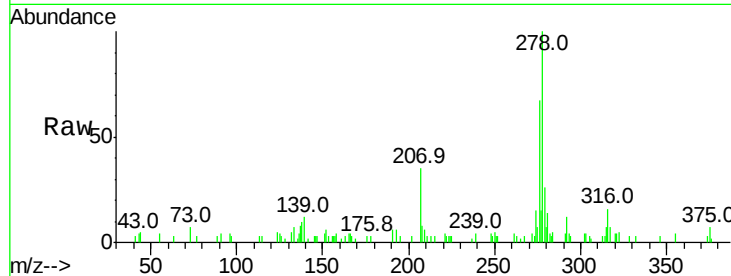
#93
Dibenzo(a,h)anthracene
Concen: 3.55 ng/ul m
RT: 28.82 min Scan# 4421
Delta R.T. -0.02 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Instrument :
BNA_G
ClientSampleId :
D9N44DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.4	14.2
279	26.4	19.4	29.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 8.64 ng/ul
RT: 29.93 min Scan# 4611
Delta R.T. 0.01 min
Lab File: BG020265.D
Acq: 18 Dec 2015 4:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	22.6	19.9	29.9

