

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020450.D
 Acq On : 23 Dec 2015 19:27
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9N51DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:09 PM

Quant Time: Dec 24 03:19:48 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23956	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	103210	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	70920	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	152842	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	190518	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	177652	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	1115	0.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	800	0.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	937	0.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	1110	0.61	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	795m	0.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	774	0.86	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.52	165	1264	0.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	2296	1.13	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	6144	1.07	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6117	0.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	1254m	1.22	ng/ul	0.00
58) Fluorene-d10	15.71	176	6092	1.17	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.59	188	7163	1.02	ng/ul	0.03
79) Pyrene-d10	19.85	212	9536	1.07	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	8970	1.01	ng/ul	0.00

Target Compounds

					Ovalue
16) 4-Methylphenol	8.86	108	3567	1.87	ng/ul 84
24) 2,4-Dimethylphenol	10.07	107	7720m	3.54	ng/ul
28) Naphthalene	10.98	128	3511260	651.46	ng/ul# 79
34) 2-Methylnaphthalene	12.57	142	1357782	329.80	ng/ul 99
41) 1,1'-Biphenyl	13.56	154	524359	98.00	ng/ul 98
48) Acenaphthylene	14.44	152	124318	17.53	ng/ul# 94
50) Acenaphthene	14.81	153	1988045	416.71	ng/ul# 92
54) Dibenzofuran	15.13	168	1969853	277.56	ng/ul# 87
59) Fluorene	15.79	166	1923452	337.50	ng/ul# 98
70) Phenanthrene	17.56	178	5330194m	637.57	ng/ul
72) Anthracene	17.62	178	749604	88.40	ng/ul 96
75) Carbazole	17.88	167	432327	60.68	ng/ul 99
77) Fluoranthene	19.54	202	3768303m	385.67	ng/ul
80) Pyrene	19.90	202	2931944	254.27	ng/ul# 86
83) Benzo(a)anthracene	21.72	228	965916	86.89	ng/ul 95
85) Chrysene	21.79	228	793125	75.75	ng/ul 95
88) Benzo(b)fluoranthene	23.97	252	454636	42.52	ng/ul 96
89) Benzo(k)fluoranthene	24.03	252	165630m	16.14	ng/ul
91) Benzo(a)pyrene	24.86	252	253917	25.05	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	28.73	276	68158	5.65	ng/ul 96
93) Dibenzo(a,h)anthracene	28.78	278	20302	2.03	ng/ul 96
94) Benzo(a,h,i)perylene	29.91	276	57255m	5.79	ng/ul

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

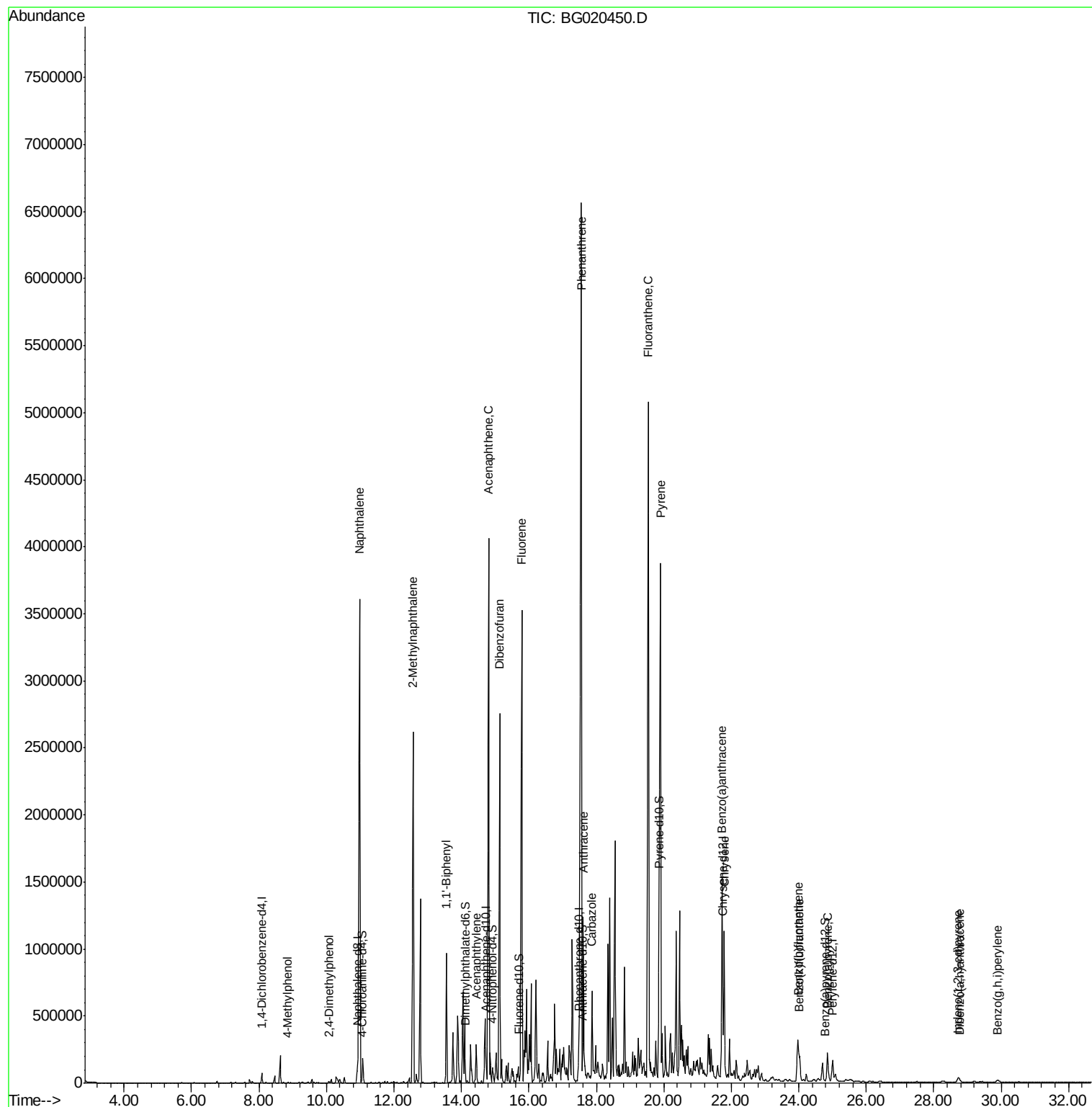
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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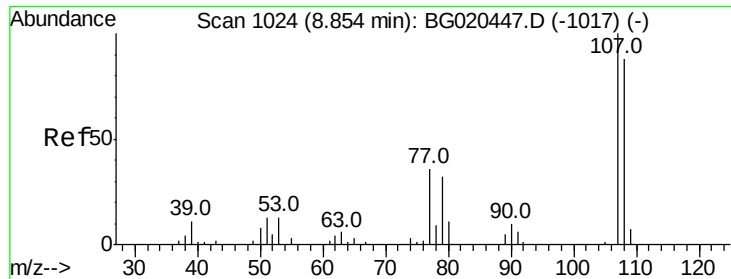
Instrument :
BNA_G
ClientSampleId :
D9N51DL

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Quant Title : SVOA CALIBRATION
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#16

4-Methylphenol

Concen: 1.87 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

ClientSampleId :

D9N51DL

Tot Ion:108 Resp: 3567

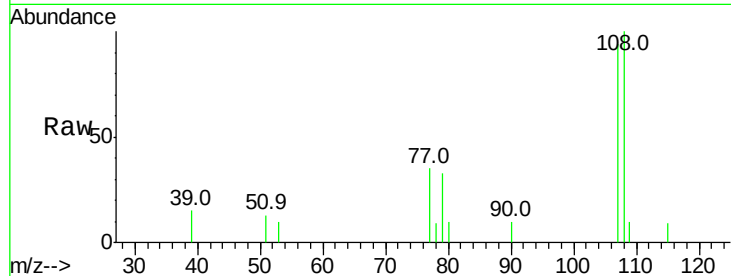
Ion Ratio Lower Upper

108 100

107 94.4 88.9 133.3

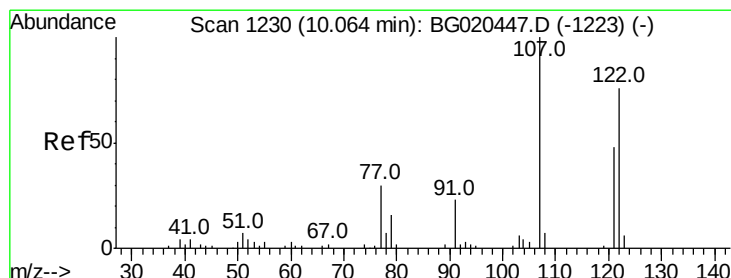
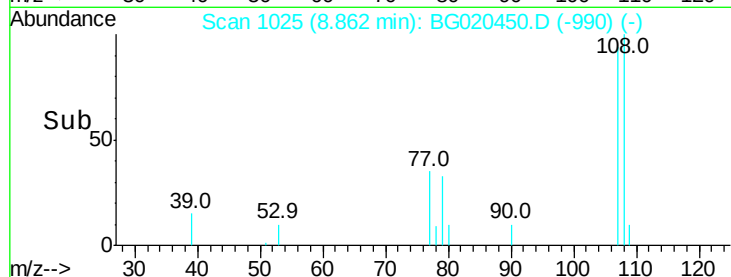
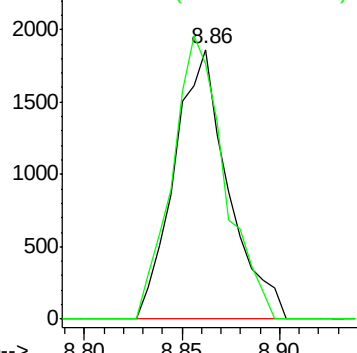
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 3.54 ng/ul m

RT: 10.07 min Scan# 1231

Delta R.T. 0.01 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

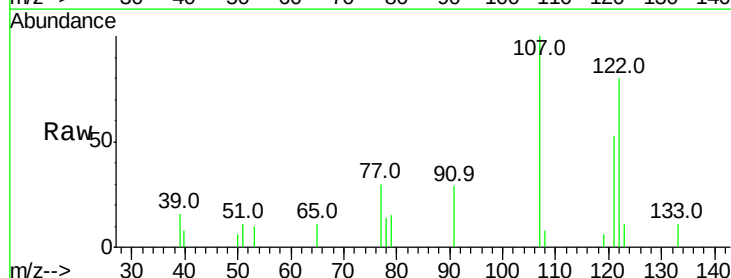
Tgt Ion:107 Resp: 7720

Ion Ratio Lower Upper

107 100

121 52.6 39.0 58.4

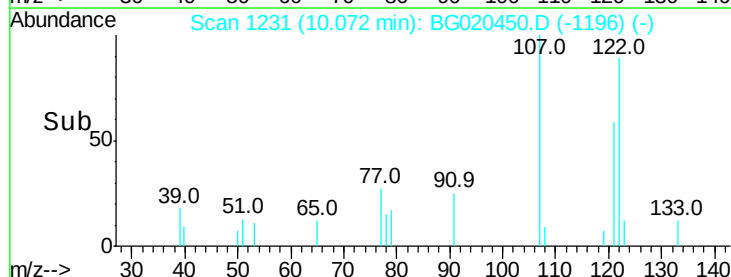
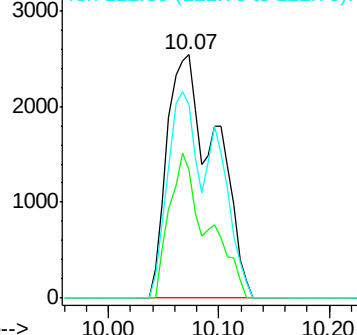
122 79.7 62.1 93.1

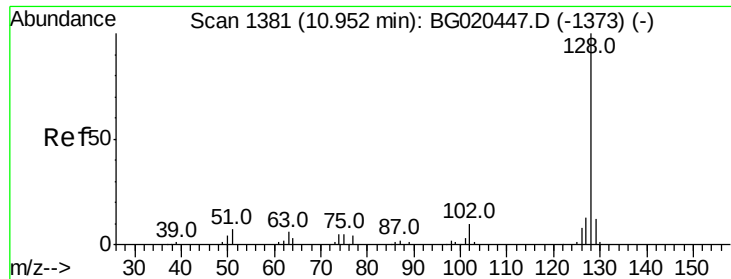


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 651.46 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. 0.03 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

ClientSampleId :

D9N51DL

Tot Ion:128 Resp: 3511260

Ion Ratio Lower Upper

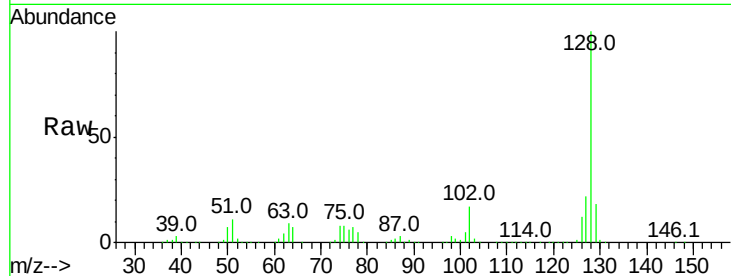
128 100

129 17.8 8.6 12.8#

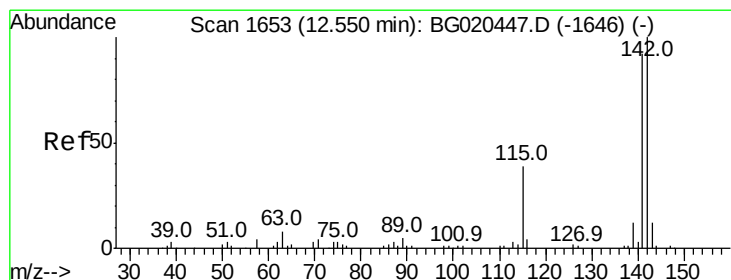
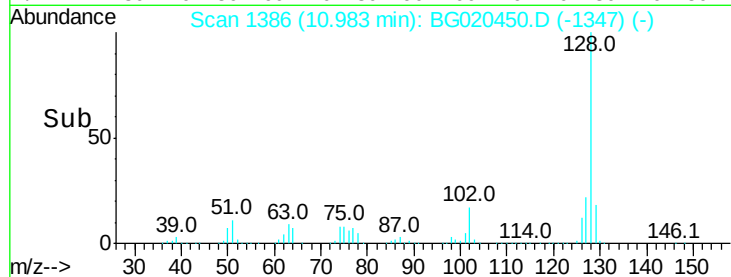
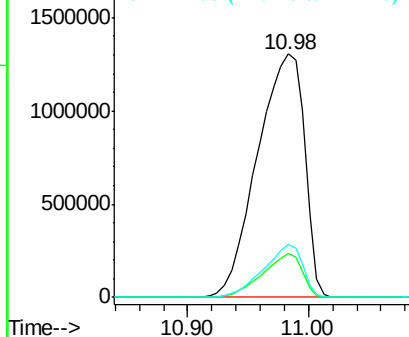
127 21.7 10.1 15.1#

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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: 329.80 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BG020450.D

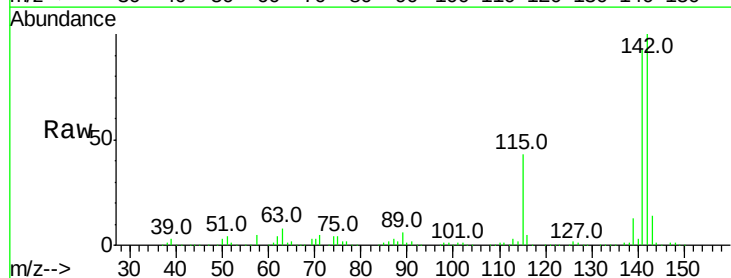
Acq: 23 Dec 2015 19:27

Tgt Ion:142 Resp: 1357782

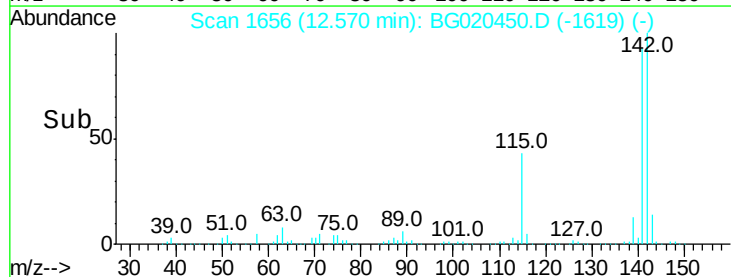
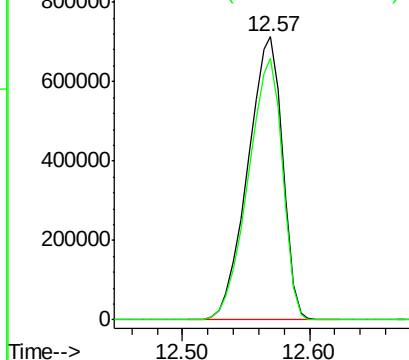
Ion Ratio Lower Upper

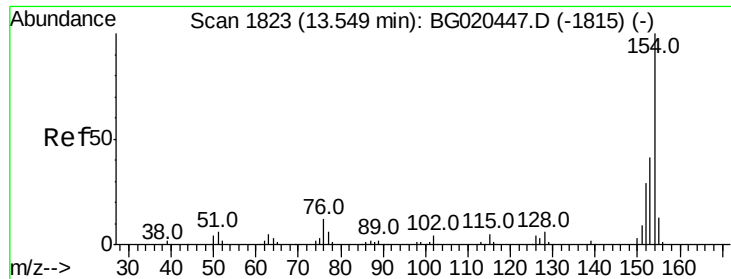
142 100

141 92.5 74.9 112.3



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





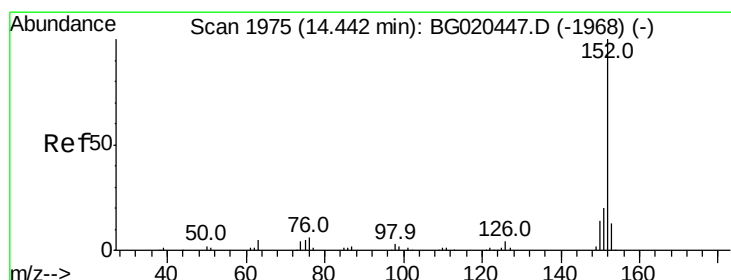
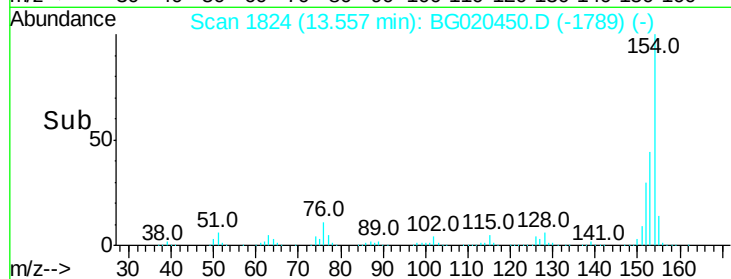
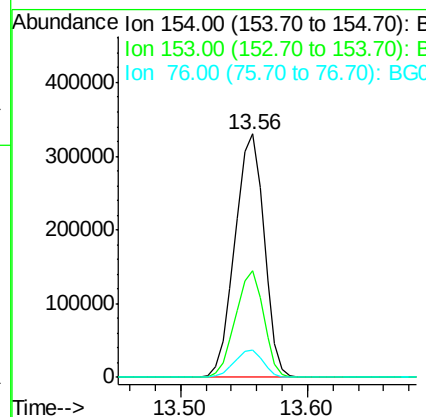
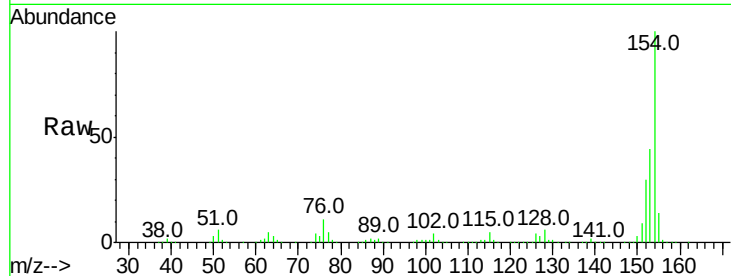
#41
 1,1'-Biphenyl
 Concen: 98.00 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.01 min
 Lab File: BG020450.D
 Acq: 23 Dec 2015 19:27

Instrument :
 BNA_G
 ClientSampleId :
 D9N51DL

Tot Ion:	154	Resp:	524359
Ion Ratio	Lower	Upper	
154	100		
153	43.6	35.5	53.3
76	11.0	10.4	15.6

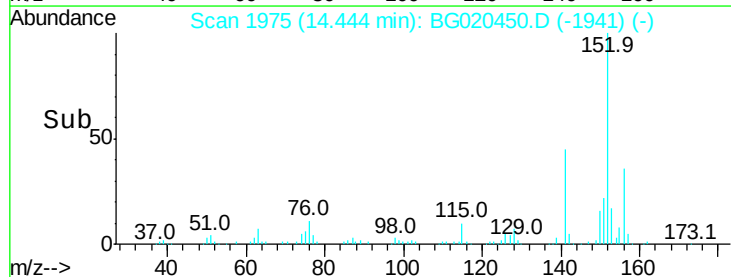
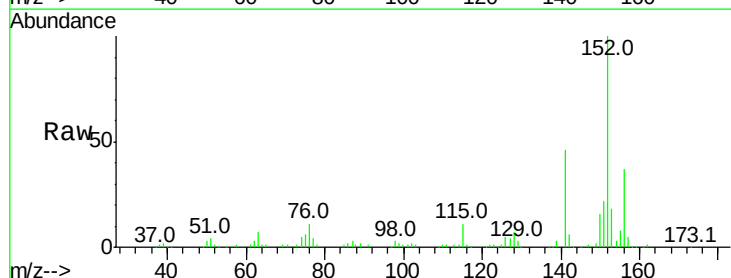
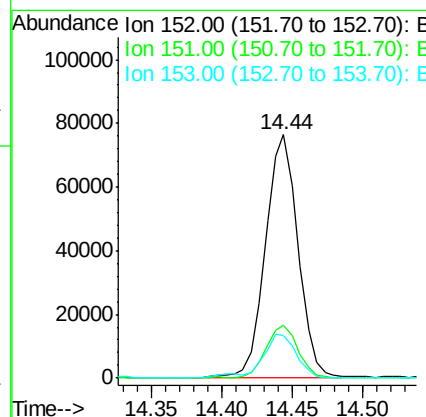
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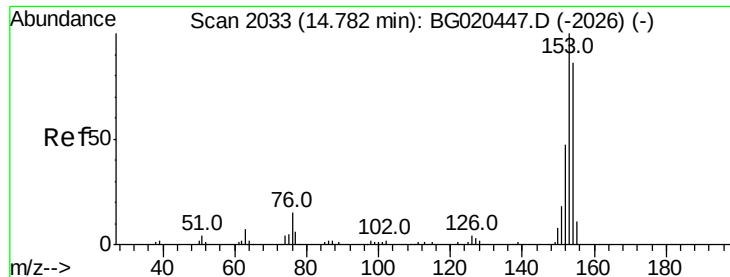
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#48
 Acenaphthylene
 Concen: 17.53 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG020450.D
 Acq: 23 Dec 2015 19:27

Tgt Ion:	152	Resp:	124318
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.4	24.6
153	17.7	10.4	15.6#





#50

Acenaphthene

Concen: 416.71 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

ClientSampleId :

D9N51DL

Tot Ion:153 Resp: 1988045

Ion Ratio Lower Upper

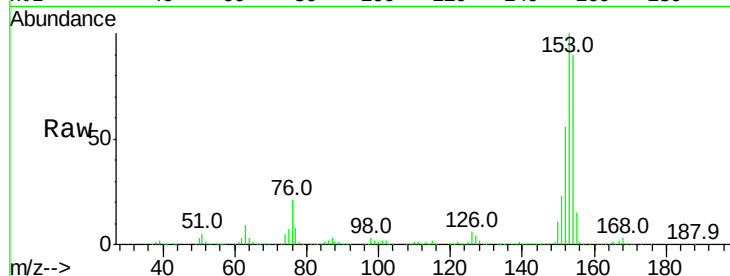
153 100

152 56.5 37.6 56.4#

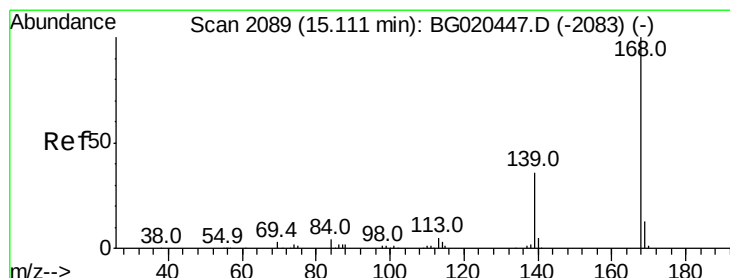
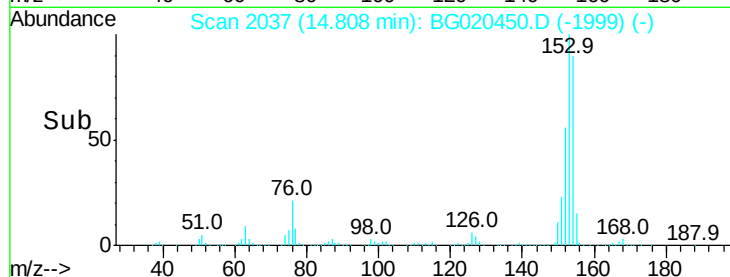
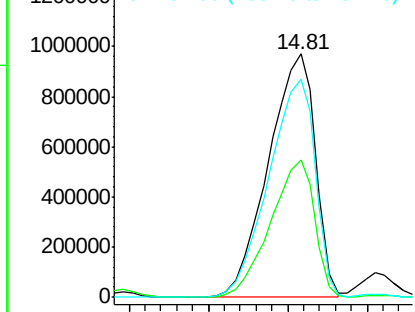
154 89.7 67.9 101.9

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



#54

Dibenzofuran

Concen: 277.56 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BG020450.D

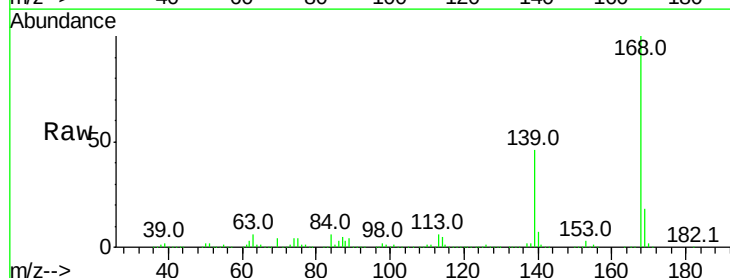
Acq: 23 Dec 2015 19:27

Tgt Ion:168 Resp: 1969853

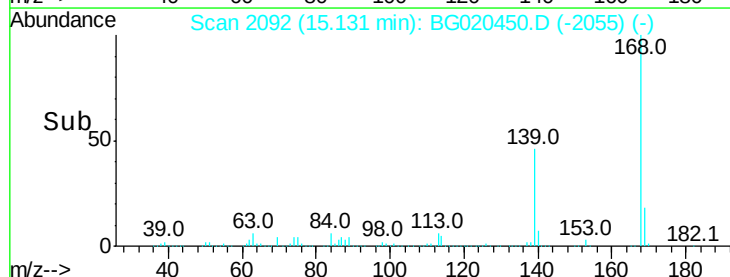
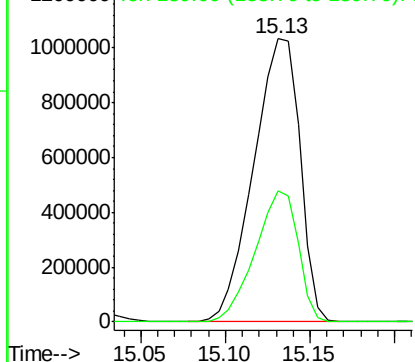
Ion Ratio Lower Upper

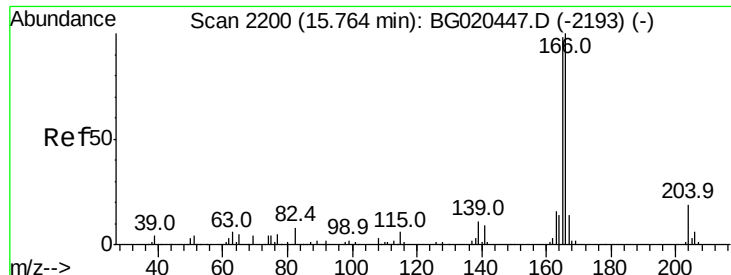
168 100

139 46.2 30.5 45.7#



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





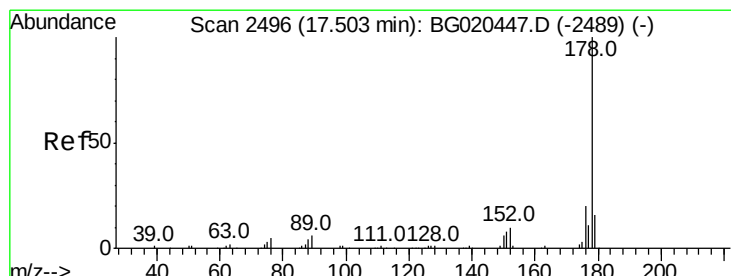
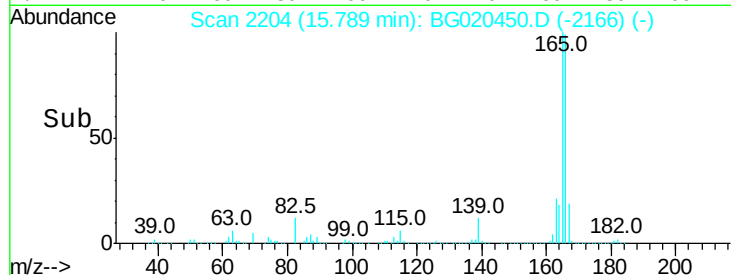
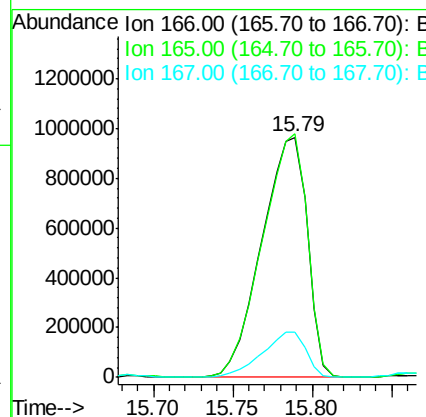
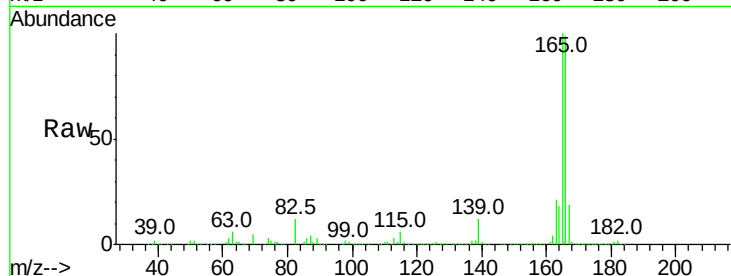
#59
Fluorene
Concen: 337.50 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.03 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Instrument :
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ClientSampleId :
D9N51DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.4	122.0
167	18.9	11.2	16.8

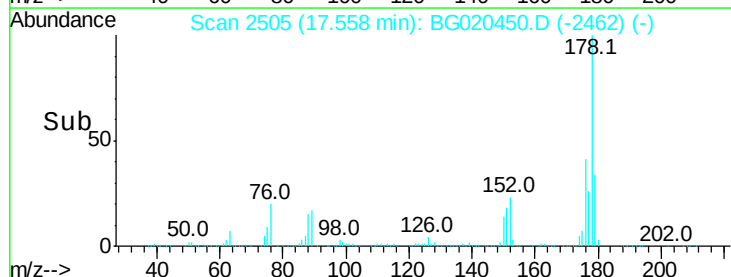
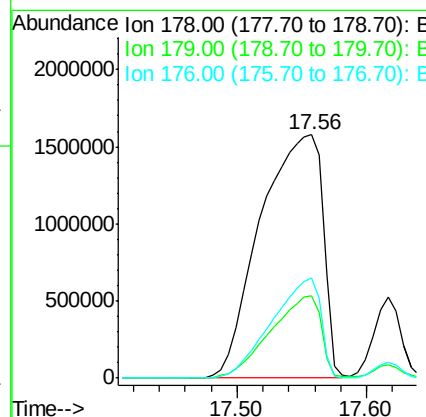
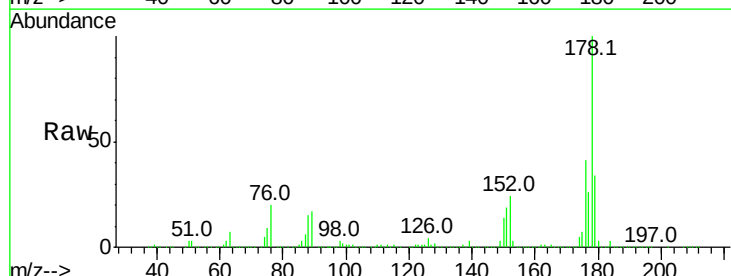
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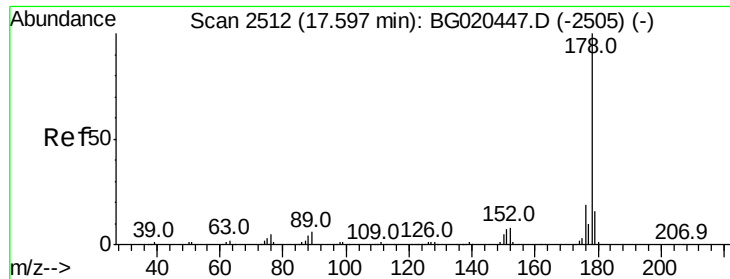
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#70
Phenanthrene
Concen: 637.57 ng/ul m
RT: 17.56 min Scan# 2505
Delta R.T. 0.06 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	33.9	12.9	19.3
176	41.1	15.3	22.9





#72

Anthracene

Concen: 88.40 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

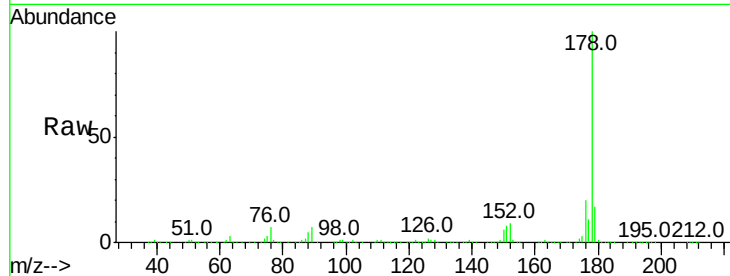
ClientSampleID :

D9N51DL

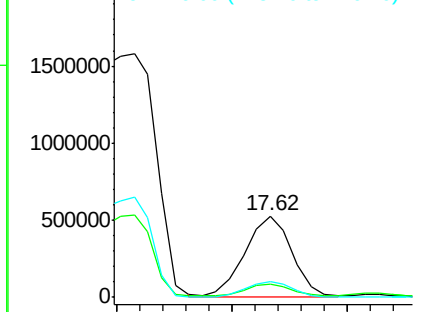
Tot Ion:	178	Resp:	749604
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.3	18.5
176	20.1	14.3	21.5

Manual Integrations
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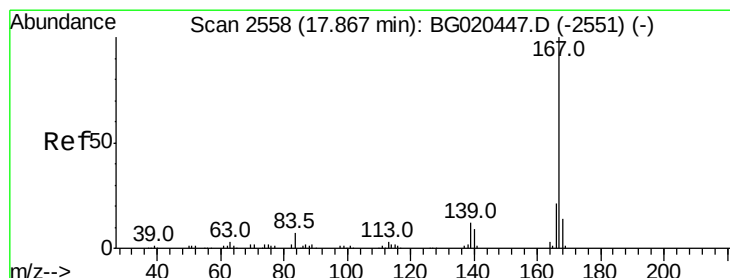
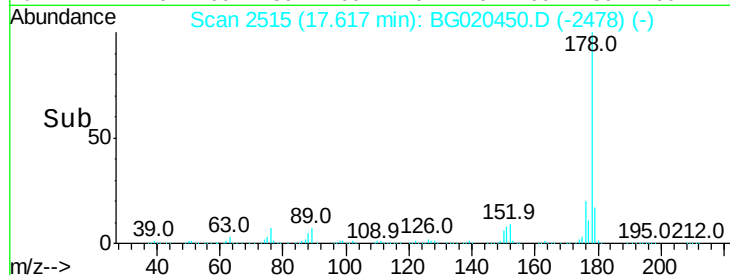
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.55 17.60 17.65



#75

Carbazole

Concen: 60.68 ng/ul

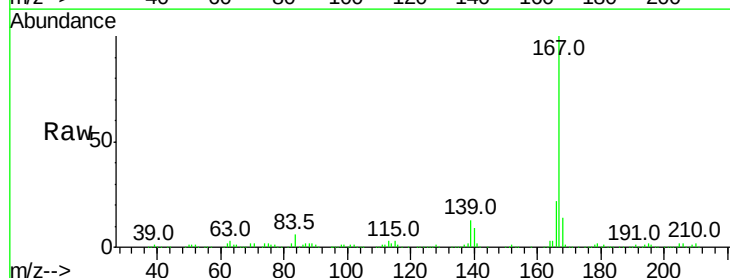
RT: 17.88 min Scan# 2559

Delta R.T. 0.01 min

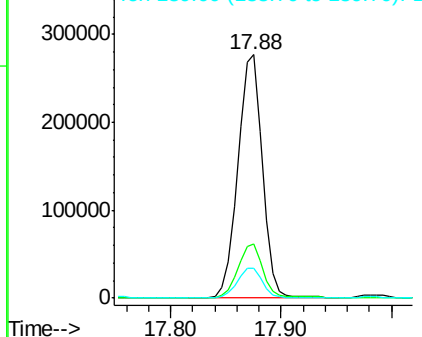
Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

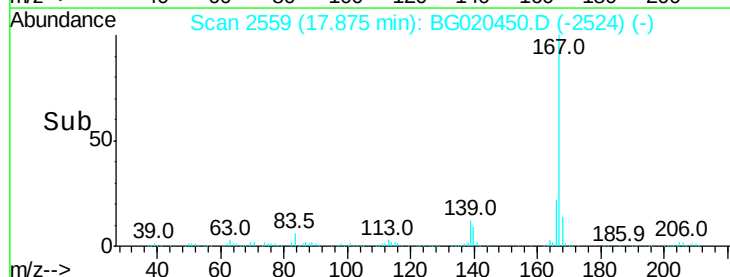
Tgt Ion:	167	Resp:	432327
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.0	25.6
139	12.5	10.1	15.1

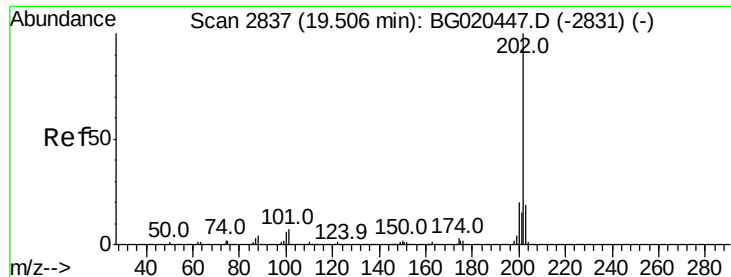


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time--> 17.80 17.90





#77

Fluoranthene

Concen: 385.67 ng/ul m

RT: 19.54 min Scan# 2843

Delta R.T. 0.04 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

ClientSampleId :

D9N51DL

Tot Ion:202 Resp: 3768303

Ion Ratio Lower Upper

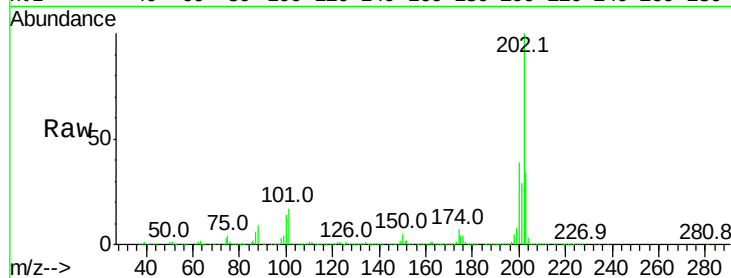
202 100

101 17.3 6.2 9.4#

100 13.9 5.1 7.7#

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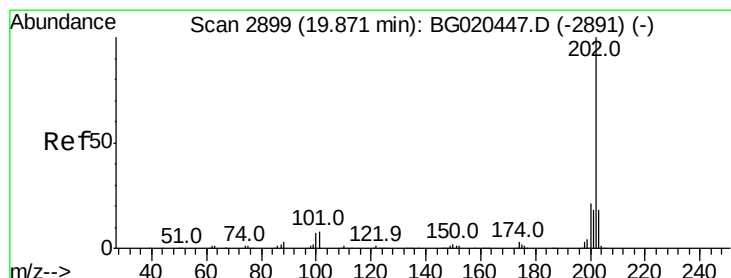
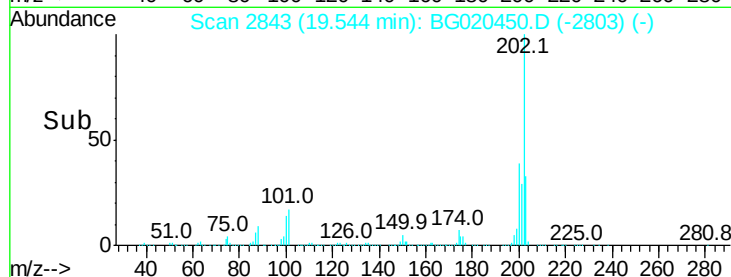
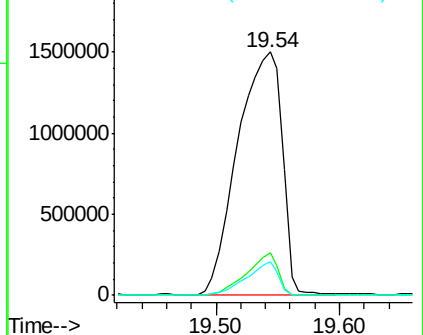
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 254.27 ng/ul

RT: 19.90 min Scan# 2904

Delta R.T. 0.03 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

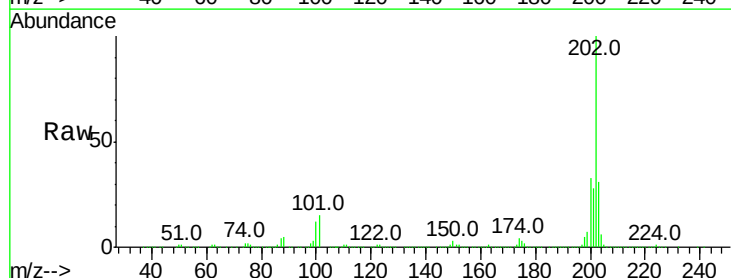
Tgt Ion:202 Resp: 2931944

Ion Ratio Lower Upper

202 100

101 14.6 7.0 10.4#

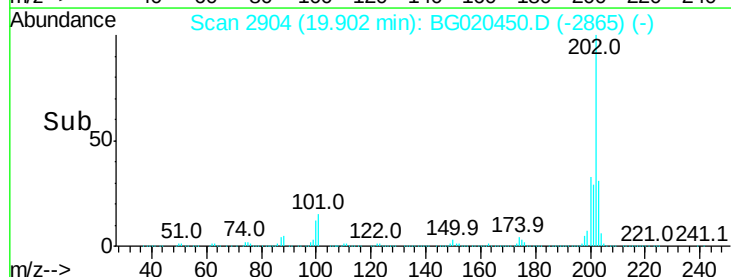
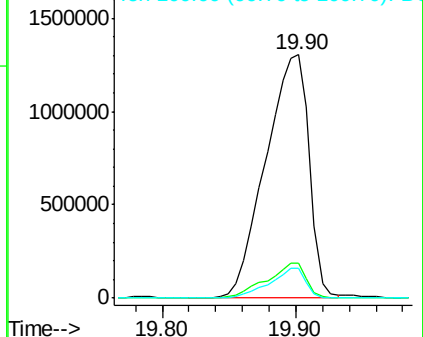
100 12.3 6.4 9.6#

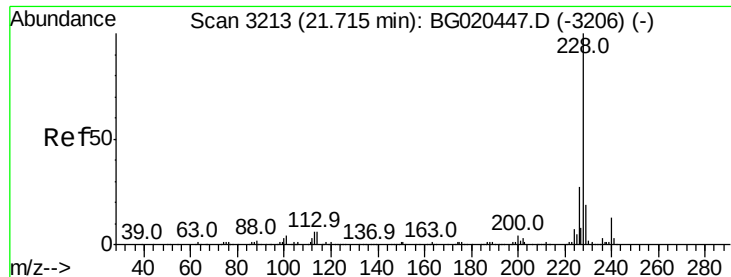


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





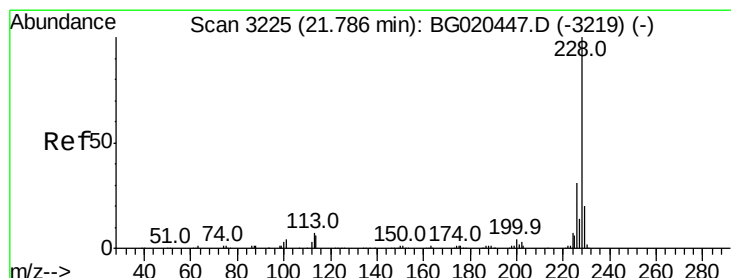
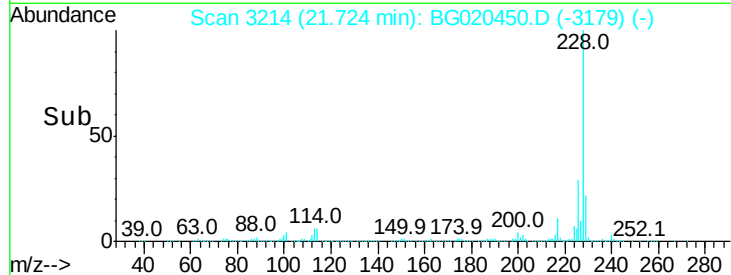
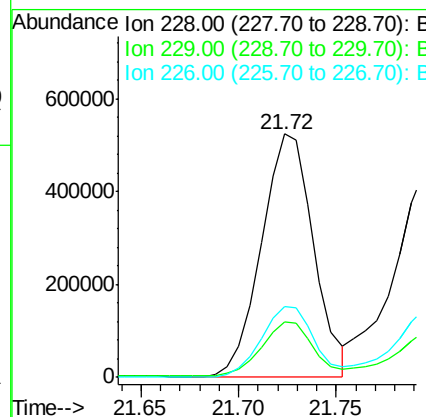
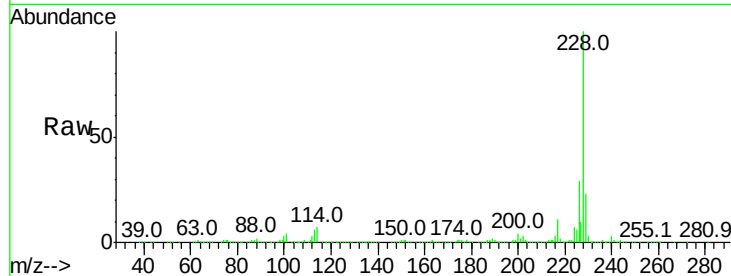
#83
Benzo(a)anthracene
Concen: 86.89 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Instrument :
BNA_G
ClientSampleId :
D9N51DL

Tot Ion	Ratio	Resp Lower	Upper
228	100		
229	22.6	15.8	23.8
226	29.1	21.8	32.6

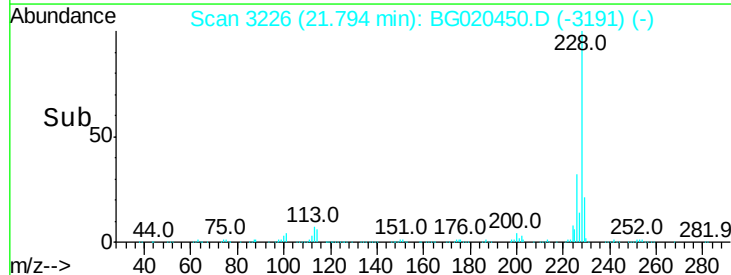
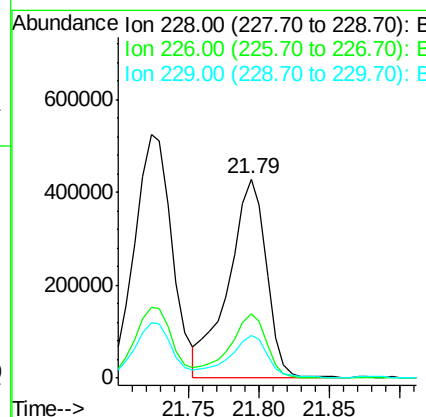
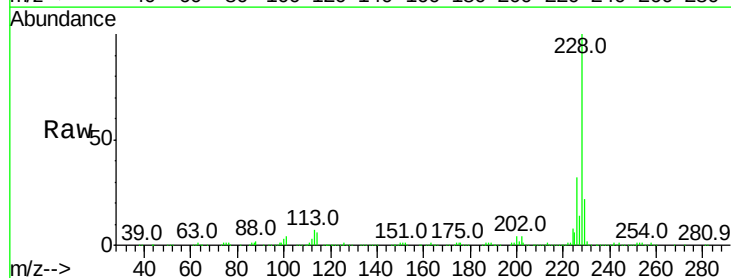
Manual Integrations
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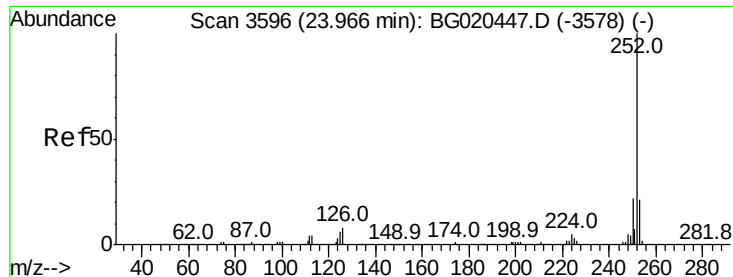
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#85
Chrysene
Concen: 75.75 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.01 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	32.3	23.9	35.9
229	21.6	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 42.52 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

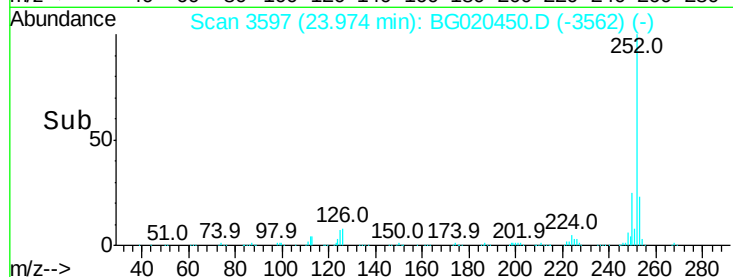
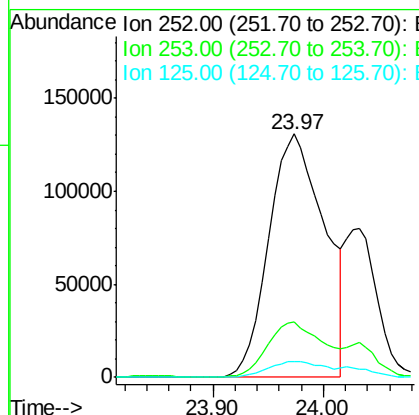
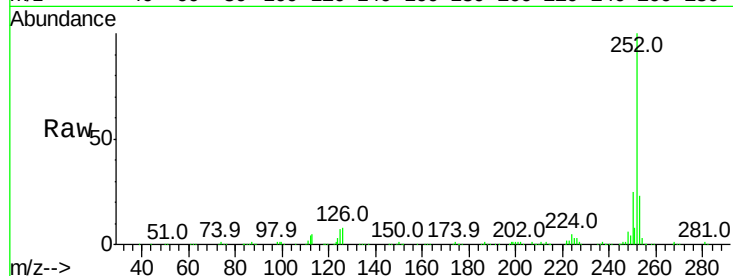
ClientSampleId :

D9N51DL

Tot Ion:	252	Resp:	454636
Ion Ratio	Lower	Upper	
252	100		
253	22.9	16.7	25.1
125	6.7	6.2	9.2

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 16.14 ng/ul m

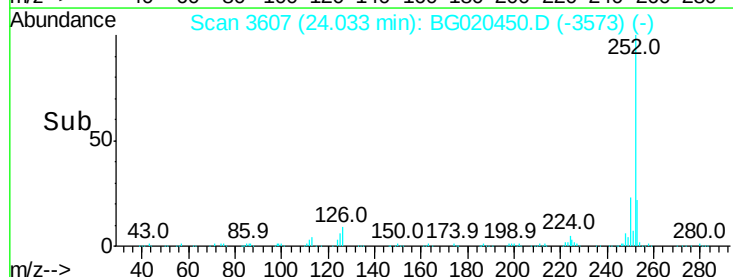
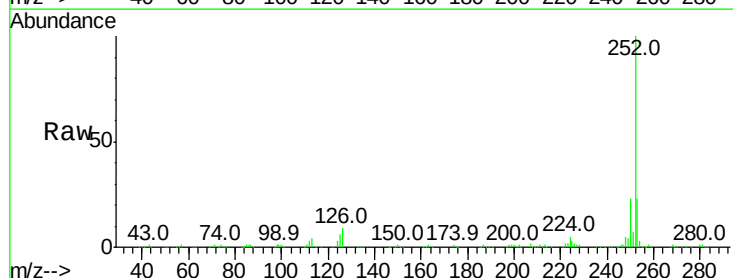
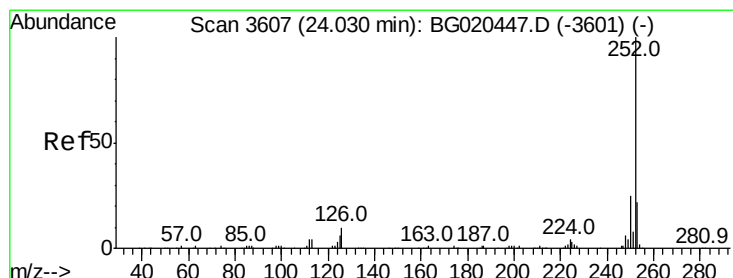
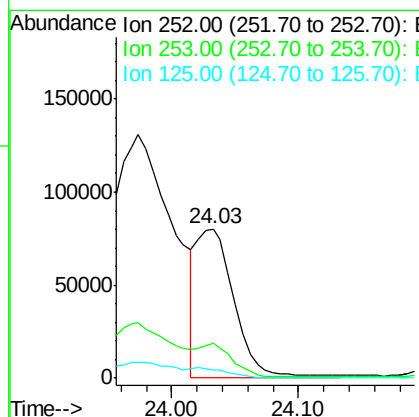
RT: 24.03 min Scan# 3607

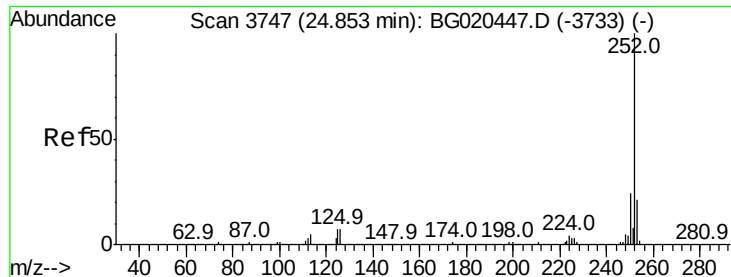
Delta R.T. 0.00 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Tgt Ion:	252	Resp:	165630
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	5.7	5.8	8.6#





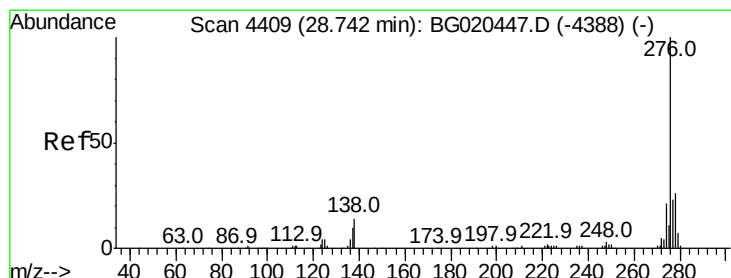
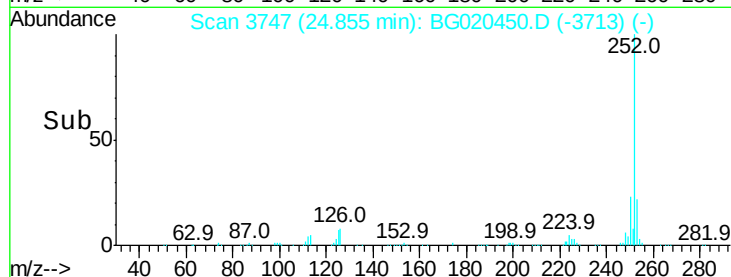
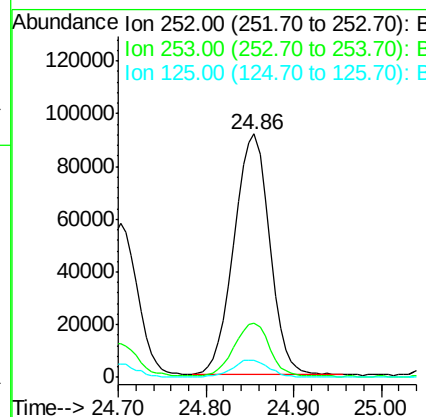
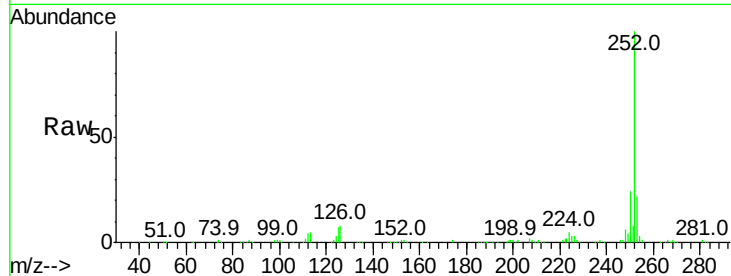
#91
Benzo(a)pyrene
Concen: 25.05 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Instrument :
BNA_G
ClientSampleId :
D9N51DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.0	25.4
125	6.8	6.2	9.4

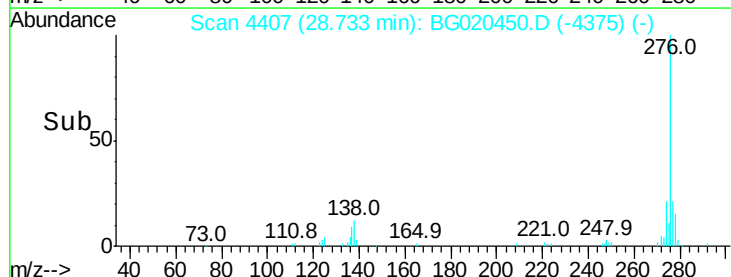
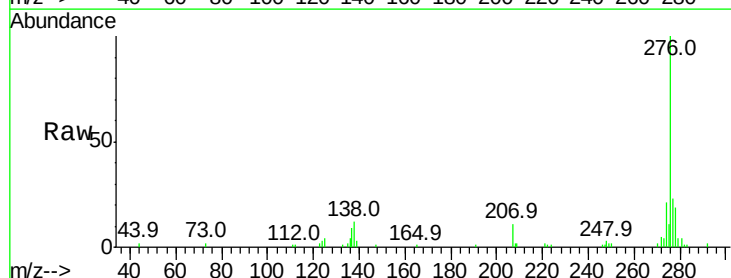
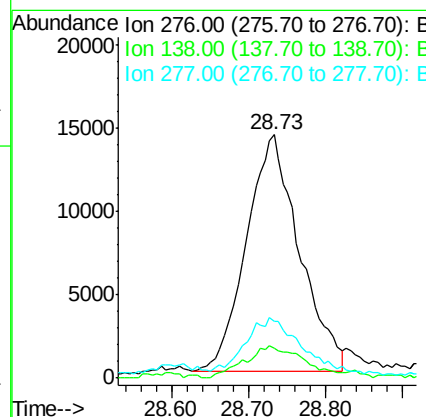
Manual Integrations
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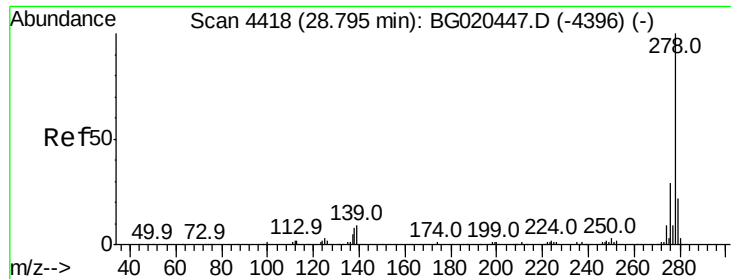
Sohil
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#92
Indeno(1,2,3-cd)pyrene
Concen: 5.65 ng/ul
RT: 28.73 min Scan# 4407
Delta R.T. -0.01 min
Lab File: BG020450.D
Acq: 23 Dec 2015 19:27

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	12.1	11.4	17.0
277	23.1	17.4	26.0





#93

Dibenzo(a,h)anthracene

Concen: 2.03 ng/ul

RT: 28.78 min Scan# 4415

Delta R.T. -0.02 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Instrument :

BNA_G

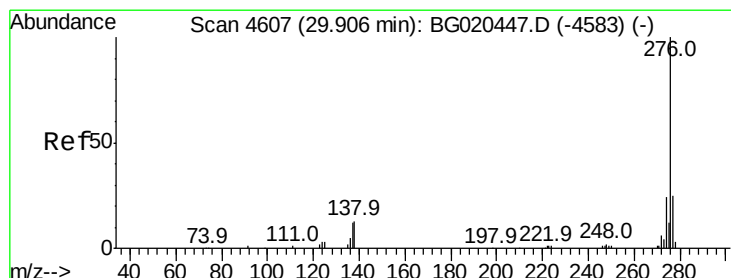
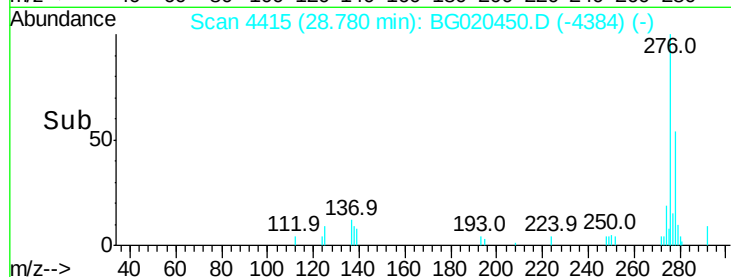
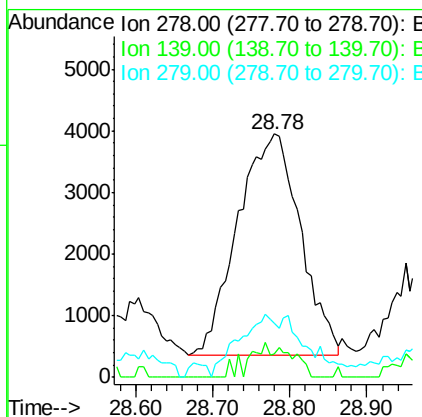
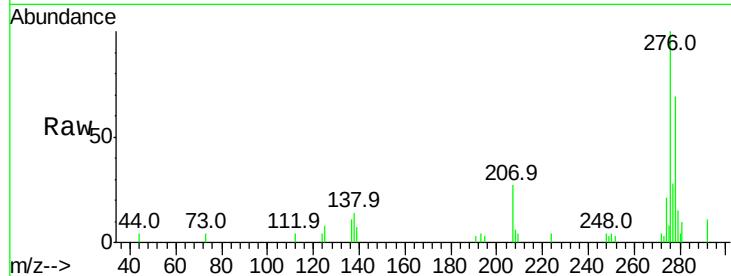
ClientSampleID :

D9N51DL

Tot Ion:	278	Resp:	20302
Ion Ratio	Lower	Upper	
278	100		
139	9.8	9.4	14.2
279	22.2	19.4	29.0

Manual Integrations
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#94

Benzo(g,h,i)perylene

Concen: 5.79 ng/ul m

RT: 29.91 min Scan# 4607

Delta R.T. 0.00 min

Lab File: BG020450.D

Acq: 23 Dec 2015 19:27

Tgt Ion:	276	Resp:	57255
Ion Ratio	Lower	Upper	
276	100		
138	14.6	10.8	16.2
277	25.7	19.9	29.9

