

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020420.D
 Acq On : 22 Dec 2015 22:11
 Operator : UM/SJ
 Sample : G4848-05
 Misc : MED LEVEL RX
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:33:39 PM

Quant Time: Dec 23 07:30:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	24643	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	109370	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	78442	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	157573	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	195777	20.00	ng/ul	0.01
86) Perylene-d12	25.01	264	193889	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1116	2.50	ng/uL	0.00
5) Phenol-d5	7.24	99	31274	14.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	21013	16.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	26294	16.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	27896	15.01	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	15826	18.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	18636	19.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	31817	16.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	35187	16.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	110861	17.47	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	129923	17.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	14467	12.71	ng/ul	0.00
58) Fluorene-d10	15.72	176	99109	17.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.87	200	14218	15.22	ng/ul	0.04
71) Anthracene-d10	17.60	188	143145	19.72	ng/ul	0.04
79) Pyrene-d10	19.86	212	176797	19.38	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.79	264	202903	20.98	ng/ul	0.00

Target Compounds

					Ovalue
11) 2-Methylphenol	8.53	108	1896	1.07 ng/ul	93
16) 4-Methylphenol	8.86	108	3949	2.01 ng/ul	97
24) 2,4-Dimethylphenol	10.07	107	8881m	3.84 ng/ul	
28) Naphthalene	11.00	128	4613475	807.75 ng/ul#	69
34) 2-Methylnaphthalene	12.57	142	1922768	440.73 ng/ul	100
41) 1,1'-Biphenyl	13.56	154	776761	131.26 ng/ul	99
45) Dimethylphthalate	14.17	163	15640	2.41 ng/ul	96
48) Acenaphthylene	14.44	152	191751	24.45 ng/ul#	94
50) Acenaphthene	14.82	153	2809273	532.39 ng/ul#	87
54) Dibenzofuran	15.14	168	2729538	347.73 ng/ul#	78
59) Fluorene	15.80	166	2702425	428.72 ng/ul#	97
70) Phenanthrene	17.57	178	6963434m	807.92 ng/ul	
72) Anthracene	17.63	178	1066824	122.04 ng/ul#	92
75) Carbazole	17.88	167	618117	84.15 ng/ul	97
77) Fluoranthene	19.55	202	4936220	490.04 ng/ul#	62
80) Pyrene	19.91	202	3914075	330.32 ng/ul#	71
83) Benzo(a)anthracene	21.73	228	1418611	124.18 ng/ul	92
85) Chrysene	21.80	228	1197723	111.33 ng/ul	93
88) Benzo(b)fluoranthene	23.98	252	729011	62.47 ng/ul	97
89) Benzo(k)fluoranthene	24.04	252	260000m	23.22 ng/ul	
91) Benzo(a)pyrene	24.86	252	411209	37.17 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.73	276	132562	10.06 ng/ul	94
93) Dibenzo(a,h)anthracene	28.78	278	38901	3.56 ng/ul	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	29.90	276	98084	9.08	ng/ul#	93

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

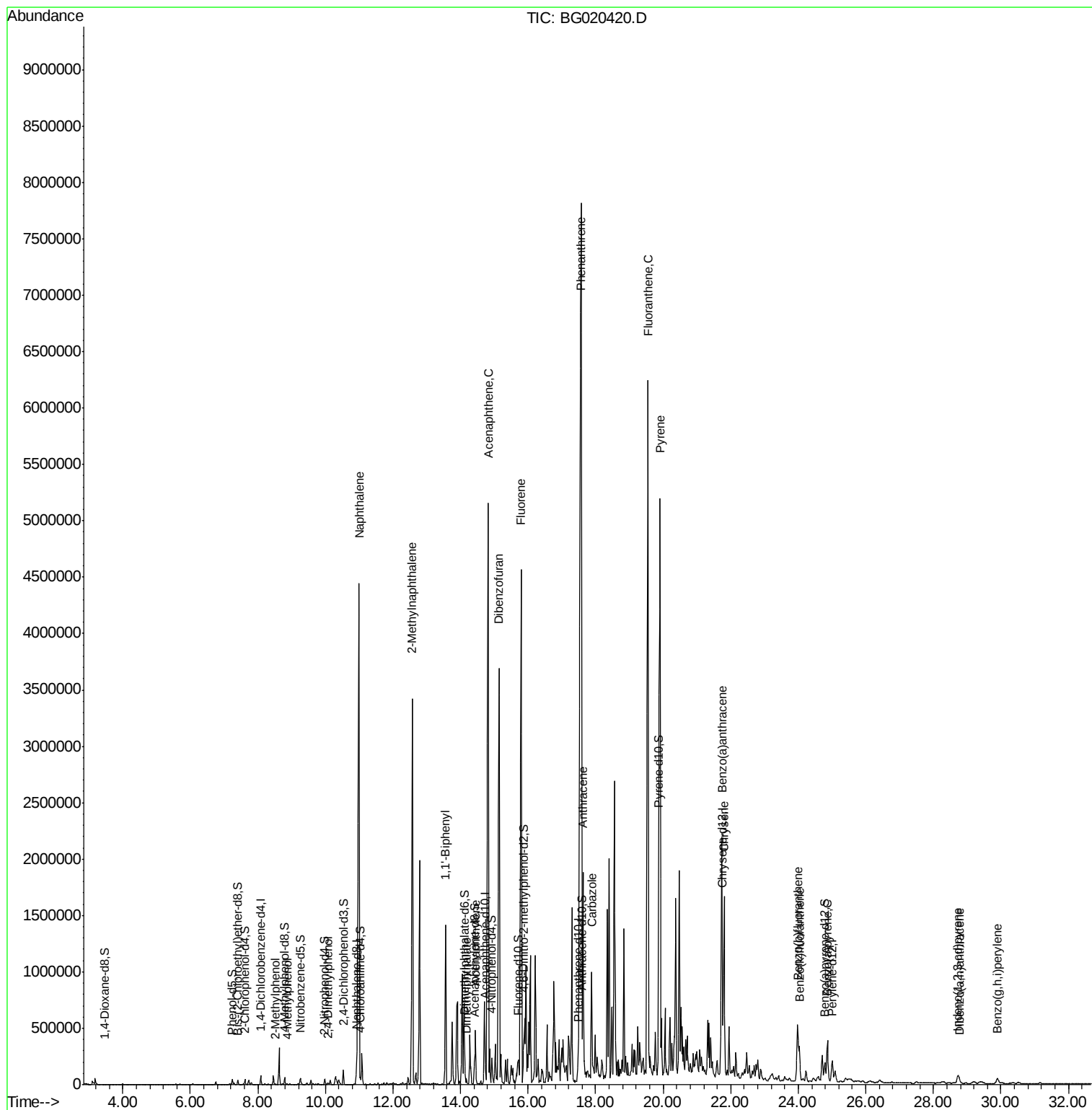
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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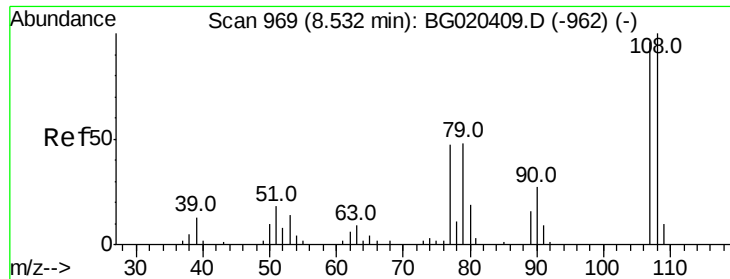
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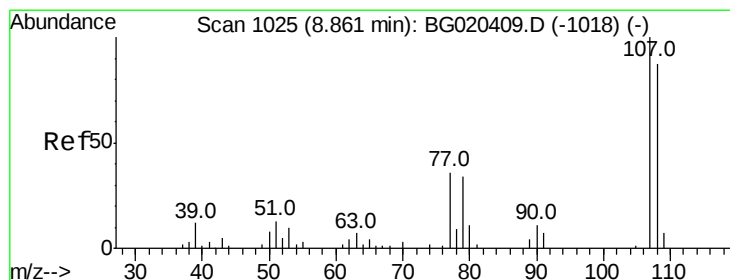
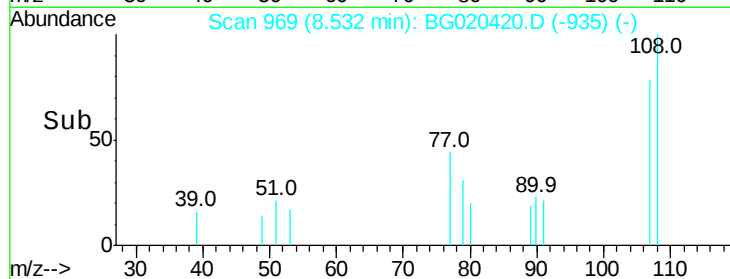
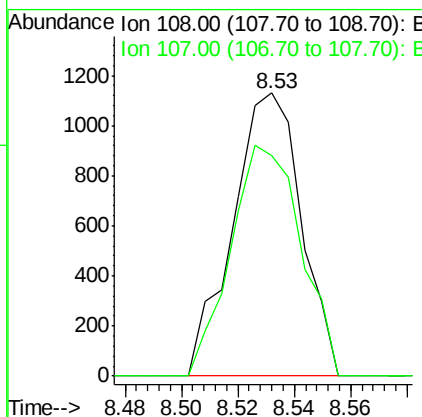
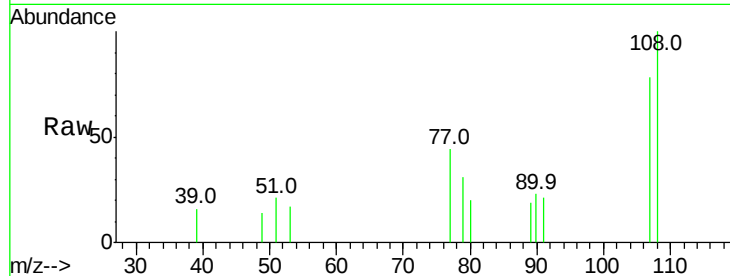
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2-Methylphenol
Concen: 1.07 ng/ul
RT: 8.53 min Scan# 969
Delta R.T. 0.00 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Instrument :
BNA_G
ClientSampleId :
D9N51ME

Tot Ion:108 Resp: 1896
Ion Ratio Lower Upper
108 100
107 78.1 67.5 101.3

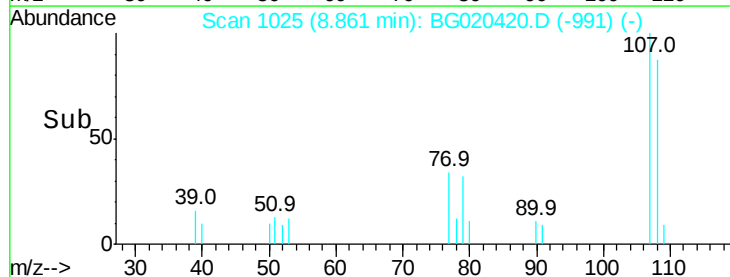
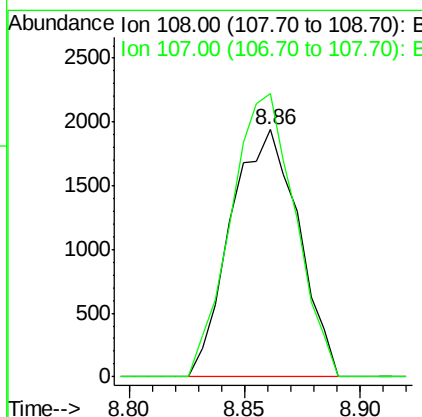
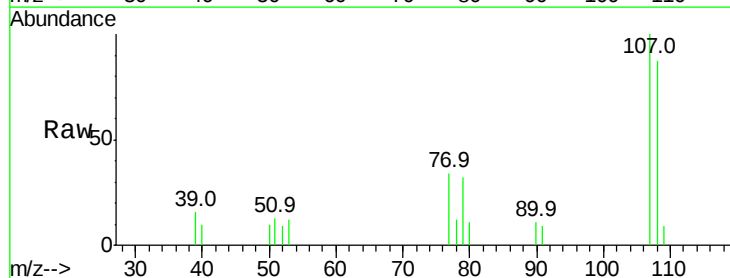
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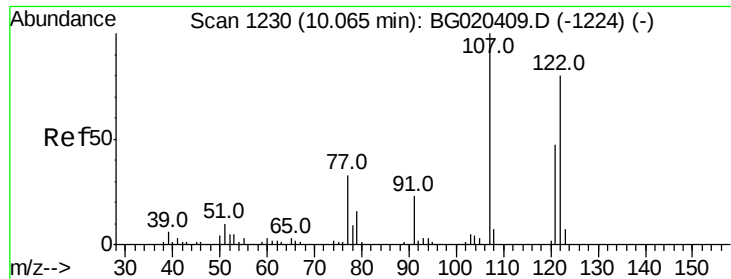
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#16
4-Methylphenol
Concen: 2.01 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Tgt Ion:108 Resp: 3949
Ion Ratio Lower Upper
108 100
107 114.5 88.9 133.3





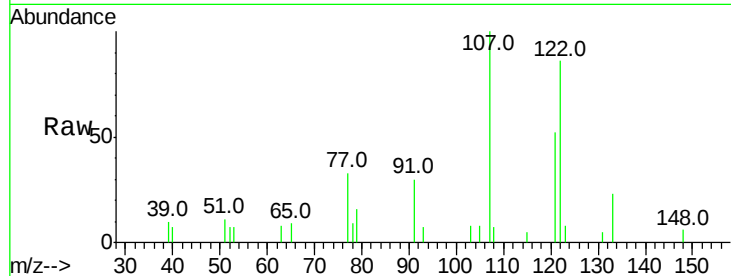
#24
2,4-Dimethylphenol
Concen: 3.84 ng/ul m
RT: 10.07 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Instrument :
BNA_G
ClientSampleId :
D9N51ME

Tot Ion	Ratio	Lower	Upper
107	100		
121	52.1	39.0	58.4
122	86.3	62.1	93.1

Manual Integrations
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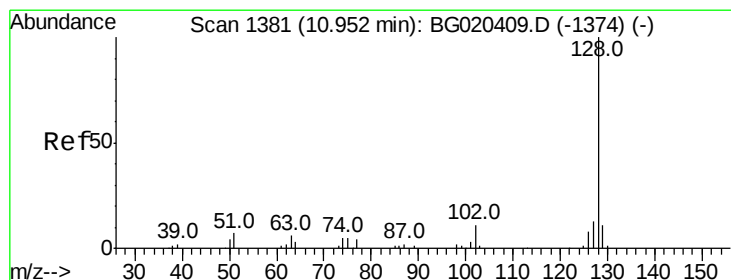
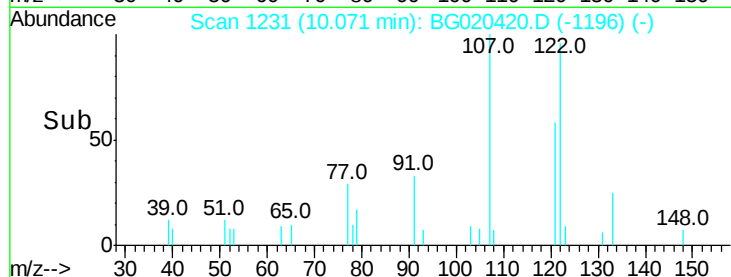
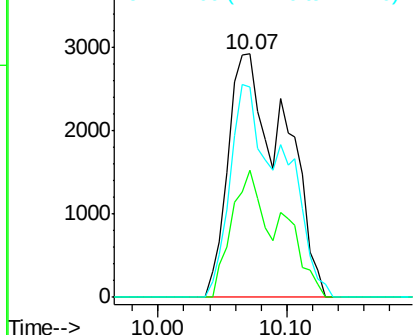


Abundance

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: 807.75 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. 0.05 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

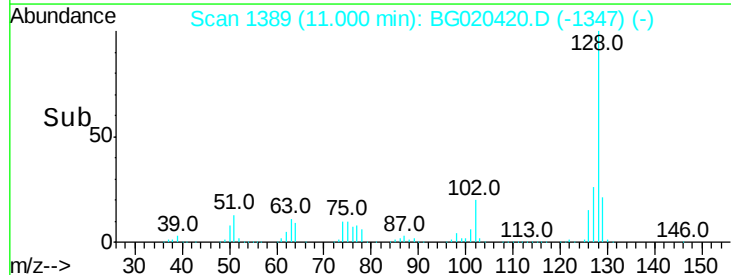
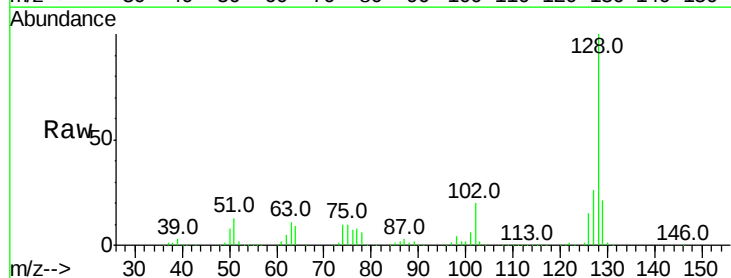
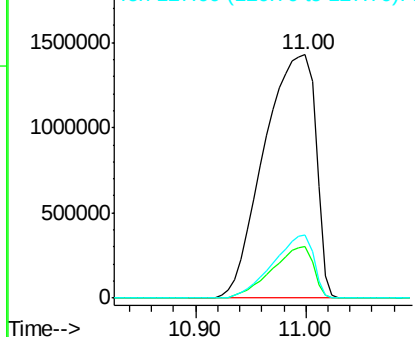
Tgt Ion	Ratio	Lower	Upper
128	100		
129	21.0	8.6	12.8#
127	26.1	10.1	15.1#

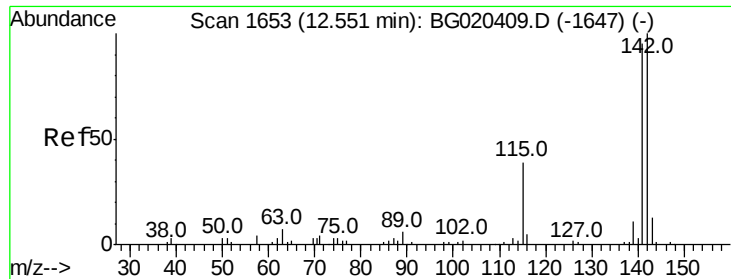
Abundance

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





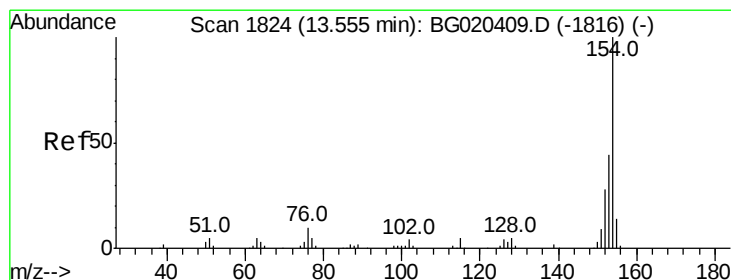
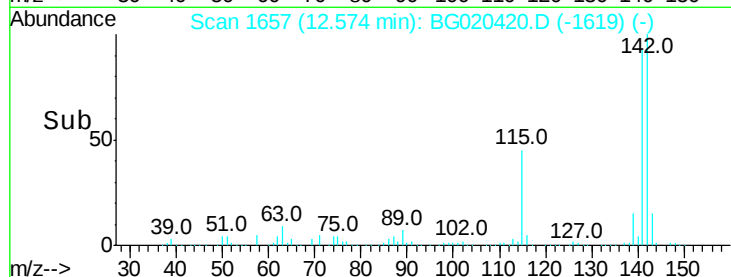
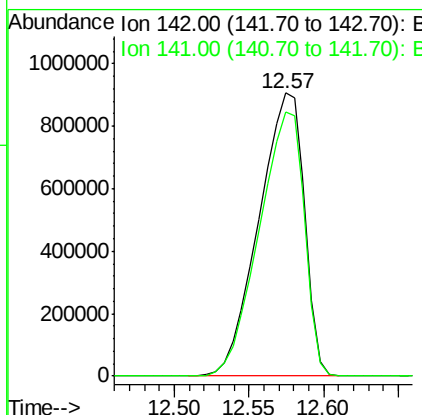
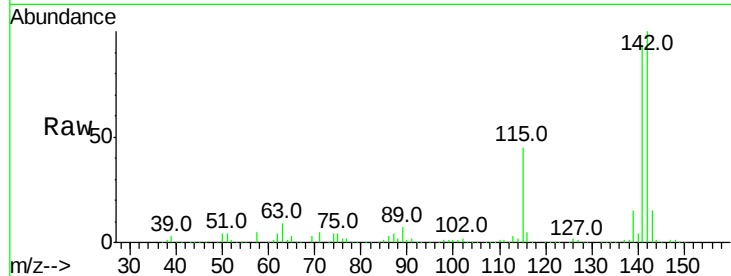
#34
 2-Methylnaphthalene
 Concen: 440.73 ng/ul
 RT: 12.57 min Scan# 1657
 Delta R.T. 0.02 min
 Lab File: BG020420.D
 Acq: 22 Dec 2015 22:11

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 D9N51ME

Tot Ion:142 Resp: 1922768
 Ion Ratio Lower Upper
 142 100
 141 93.3 74.9 112.3

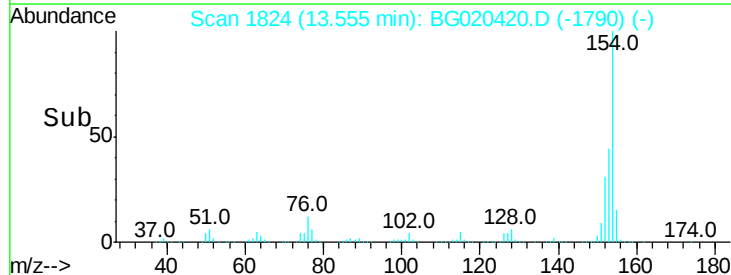
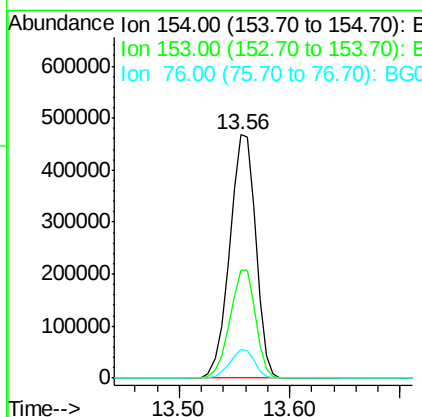
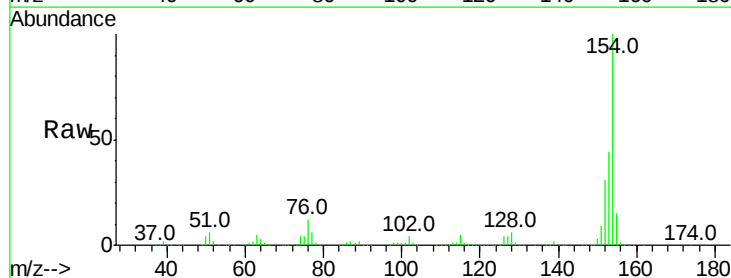
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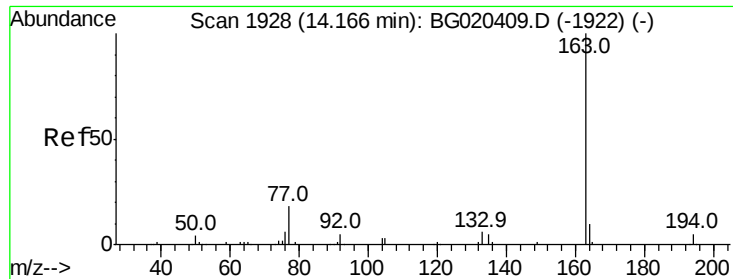
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#41
 1,1'-Biphenyl
 Concen: 131.26 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG020420.D
 Acq: 22 Dec 2015 22:11

Tgt Ion:154 Resp: 776761
 Ion Ratio Lower Upper
 154 100
 153 44.1 35.5 53.3
 76 11.8 10.4 15.6





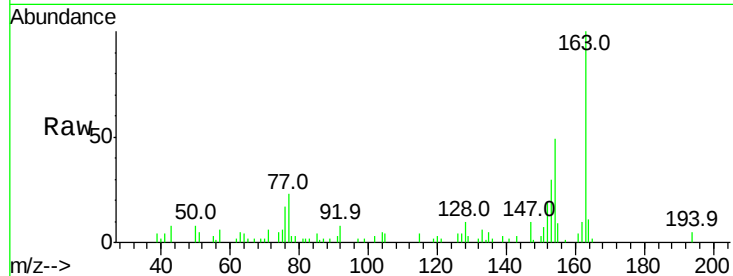
#45
Dimethylphthalate
Concen: 2.41 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Instrument :
BNA_G
ClientSampleId :
D9N51ME

Tot Ion	Ratio	Resp	Lower	Upper
163	100	15640		
194	4.7		3.5	5.3
164	11.4		7.7	11.5

Manual Integrations
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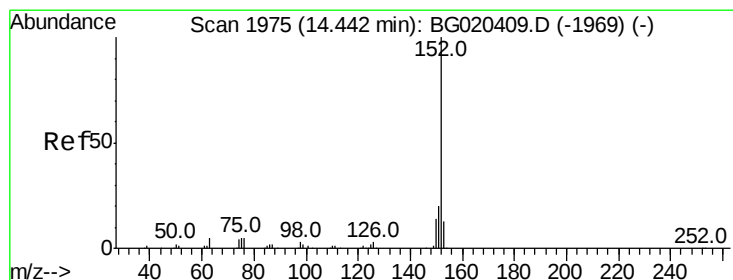
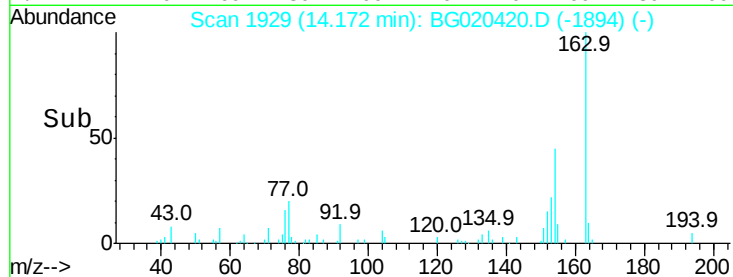
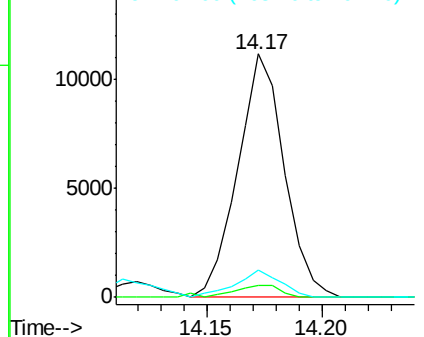


Abundance

Ion 163.00 (162.70 to 163.70): E

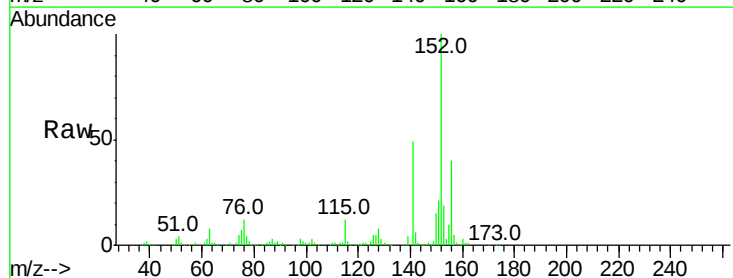
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 24.45 ng/ul
RT: 14.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	191751		
151	21.1		16.4	24.6
153	18.7		10.4	15.6

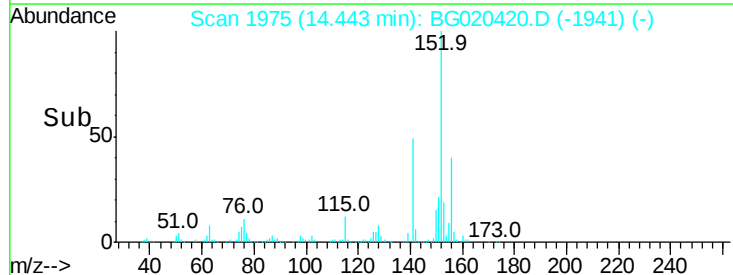
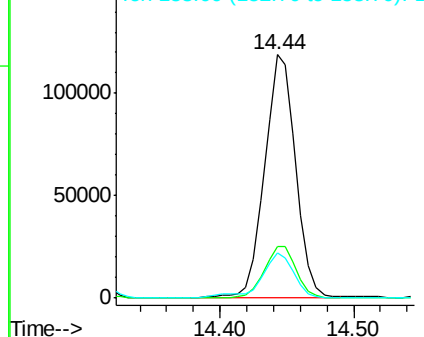


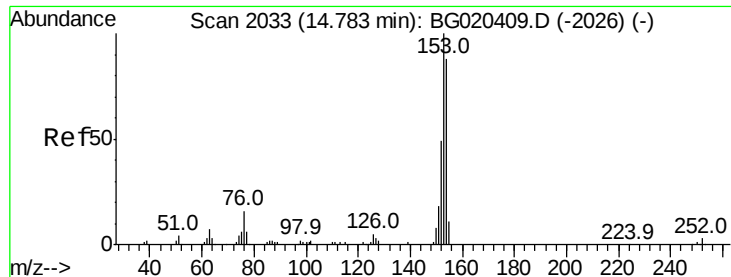
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 532.39 ng/ul

RT: 14.82 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Instrument :

BNA_G

ClientSampleId :

D9N51ME

Tot Ion:153 Resp: 2809273

Ion Ratio Lower Upper

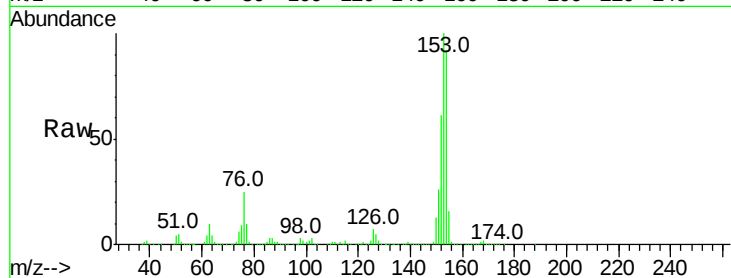
153 100

152 61.4 37.6 56.4#

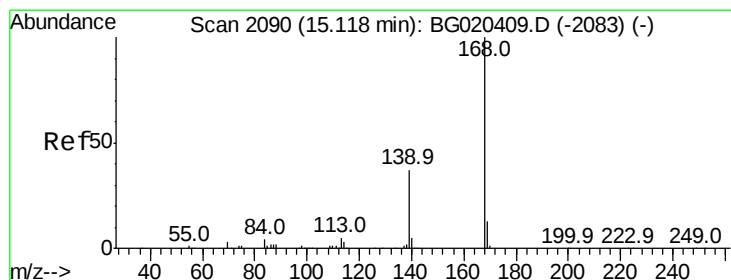
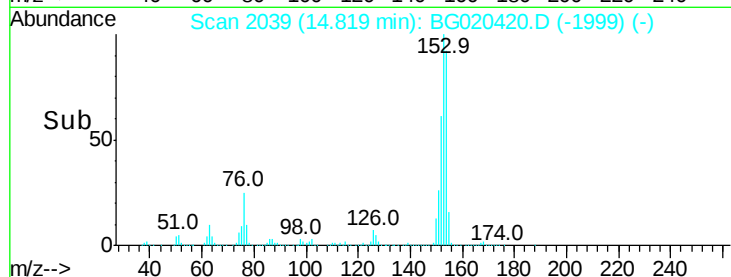
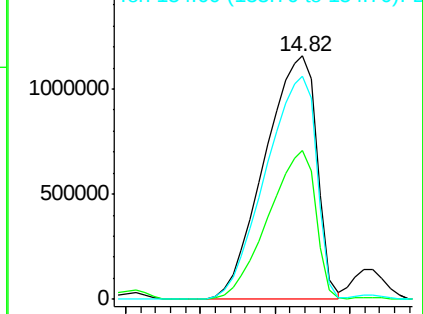
154 91.9 67.9 101.9

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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: 347.73 ng/ul

RT: 15.14 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BG020420.D

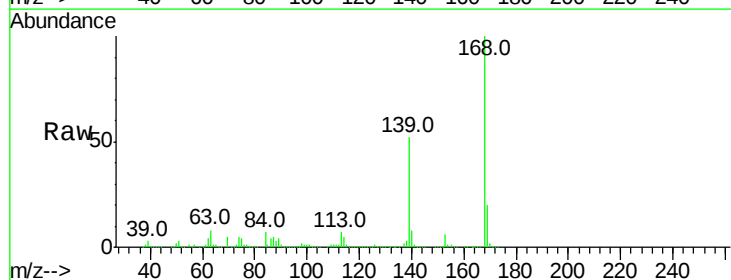
Acq: 22 Dec 2015 22:11

Tgt Ion:168 Resp: 2729538

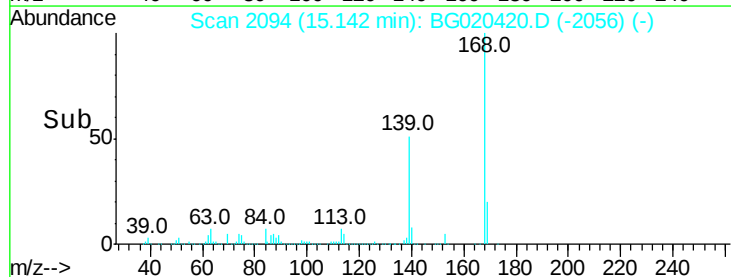
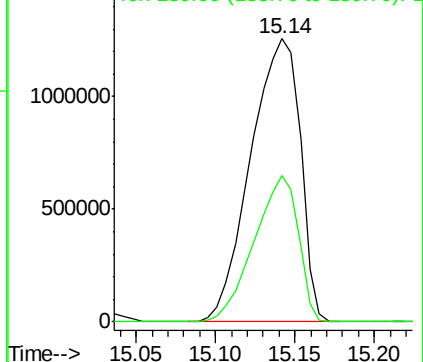
Ion Ratio Lower Upper

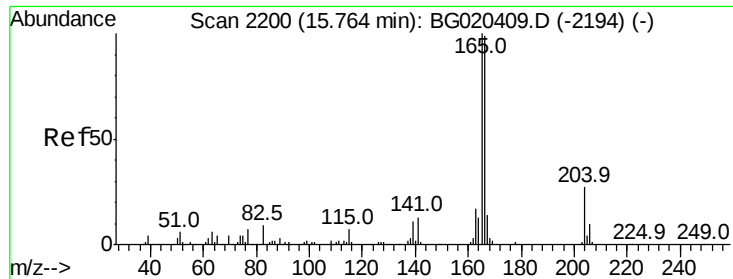
168 100

139 51.6 30.5 45.7#



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





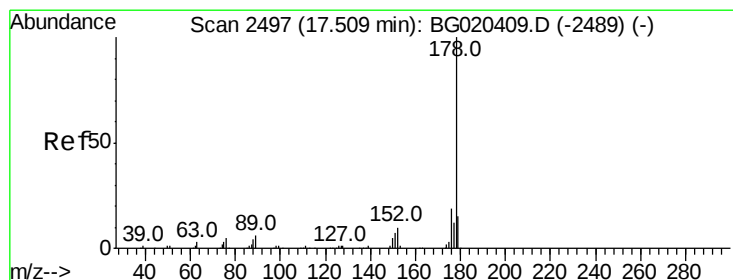
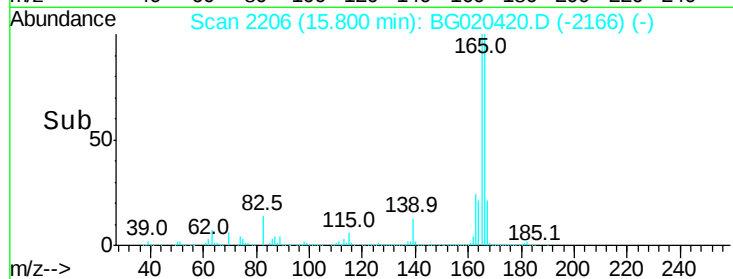
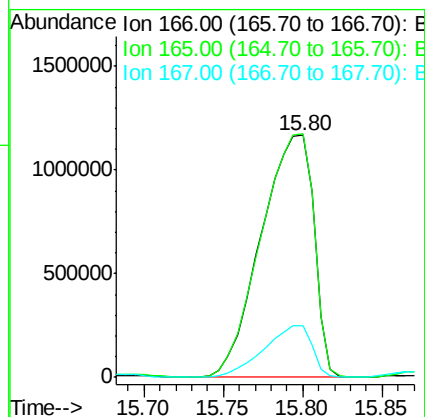
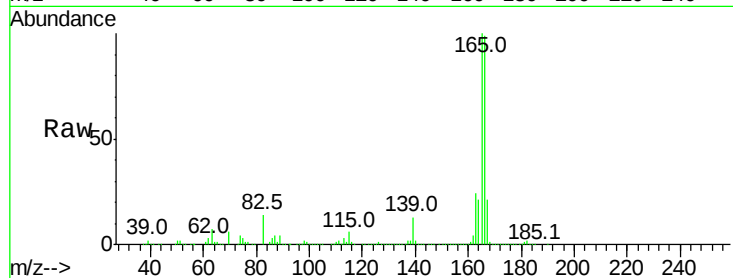
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Fluorene
 Concen: 428.72 ng/ul
 RT: 15.80 min Scan# 2206
 Delta R.T. 0.04 min
 Lab File: BG020420.D
 Acq: 22 Dec 2015 22:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N51ME

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.4	122.0
167	21.2	11.2	16.8

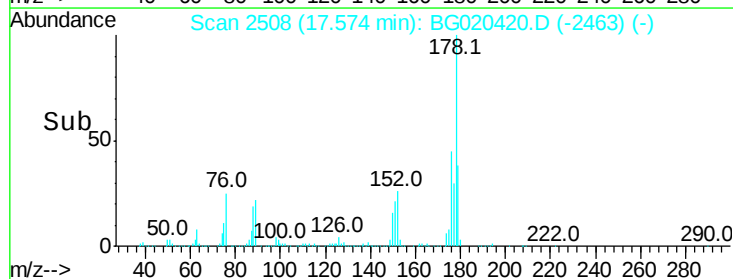
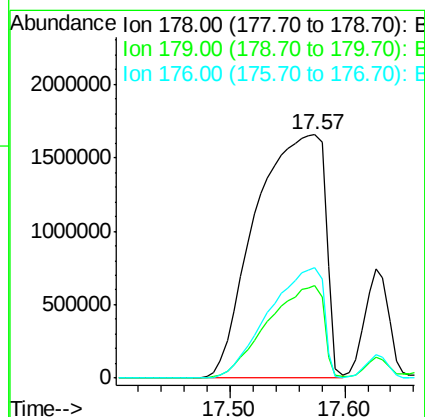
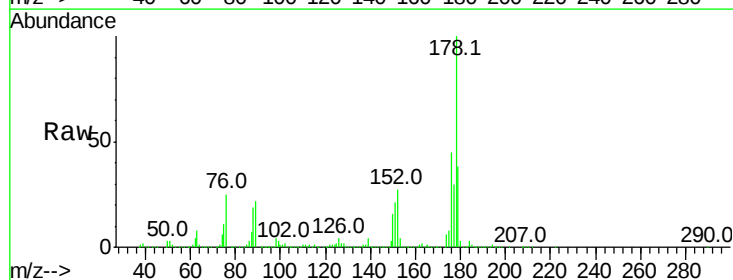
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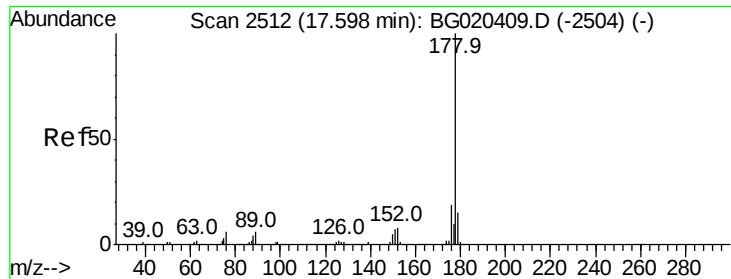
Sohil
 12/24/2015 5:33:39 PM



#70
Phenanthrene
 Concen: 807.92 ng/ul m
 RT: 17.57 min Scan# 2508
 Delta R.T. 0.06 min
 Lab File: BG020420.D
 Acq: 22 Dec 2015 22:11

Tgt Ion	Ratio	Lower	Upper
178	100		
179	37.9	12.9	19.3
176	45.1	15.3	22.9





#72

Anthracene

Concen: 122.04 ng/ul

RT: 17.63 min Scan# 2517

Delta R.T. 0.03 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Instrument :

BNA_G

ClientSampleId :

D9N51ME

Tot Ion:178 Resp: 1066824

Ion Ratio Lower Upper

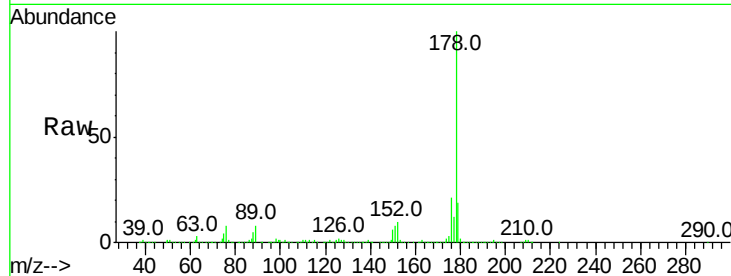
178 100

179 18.6 12.3 18.5#

176 21.4 14.3 21.5

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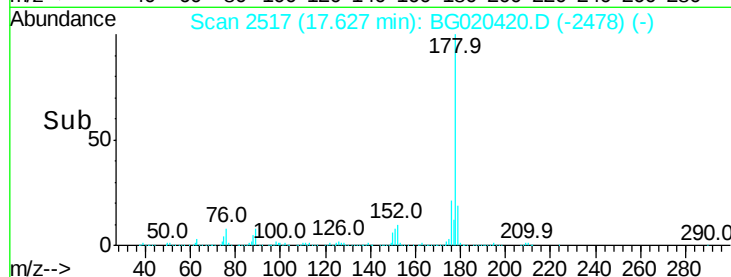
Sohil
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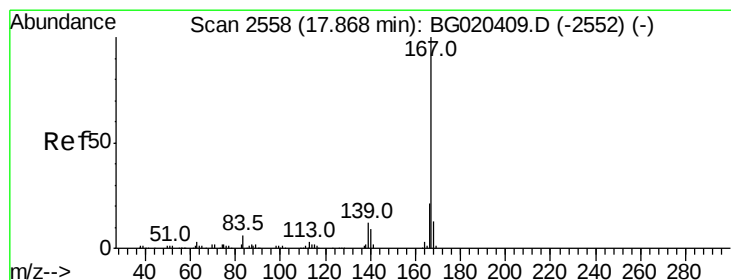
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 84.15 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

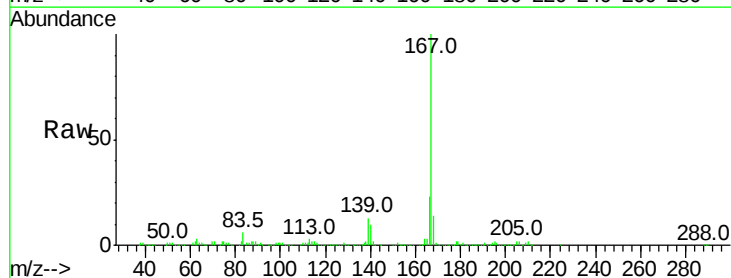
Tgt Ion:167 Resp: 618117

Ion Ratio Lower Upper

167 100

166 23.3 17.0 25.6

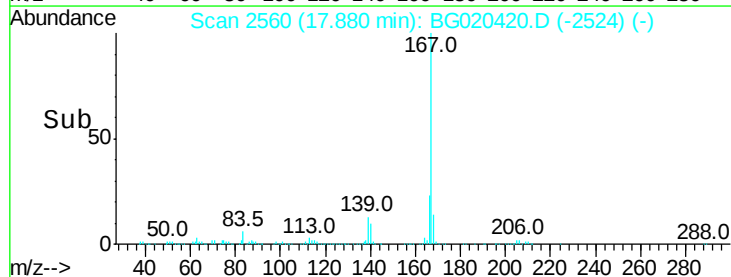
139 13.1 10.1 15.1



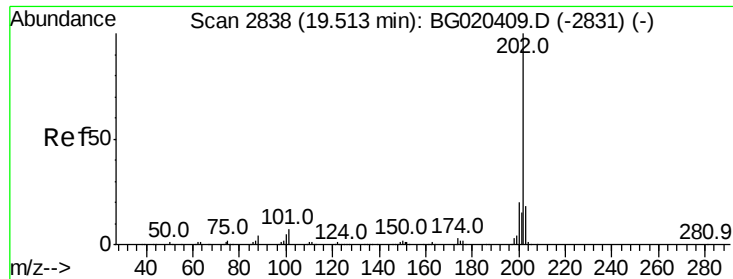
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 490.04 ng/ul

RT: 19.55 min Scan# 2845

Delta R.T. 0.04 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Instrument :

BNA_G

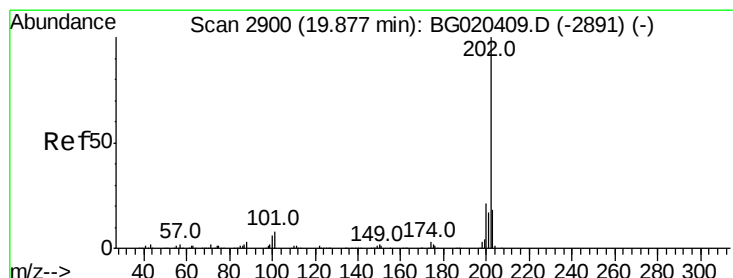
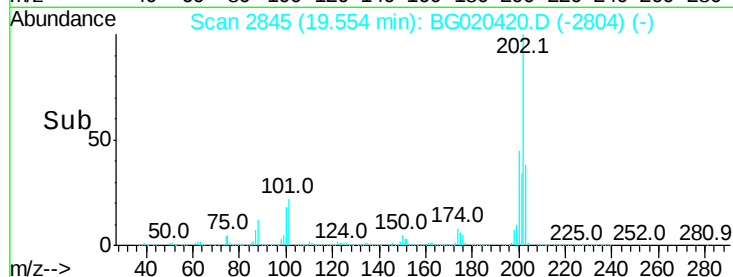
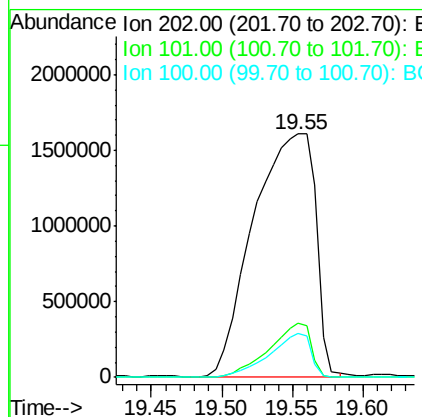
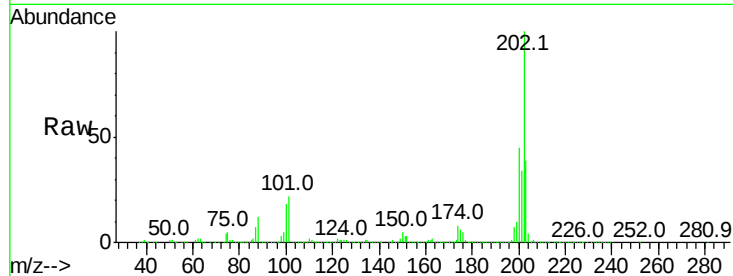
ClientSampleId :

D9N51ME

Tot Ion:	202	Resp:	4936220
Ion	Ratio	Lower	Upper
202	100		
101	22.5	6.2	9.4#
100	18.1	5.1	7.7#

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#80

Pyrene

Concen: 330.32 ng/ul

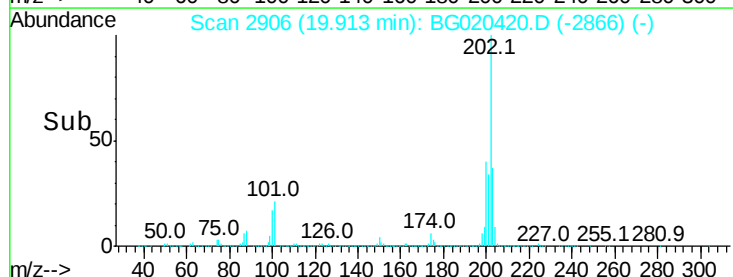
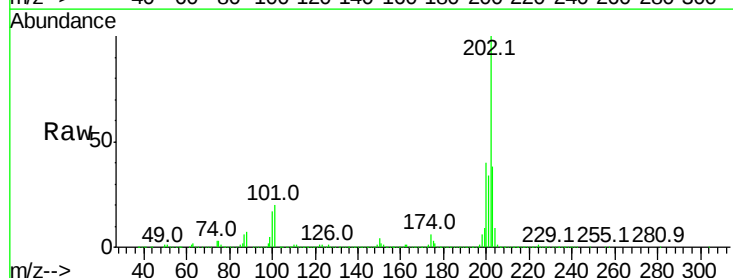
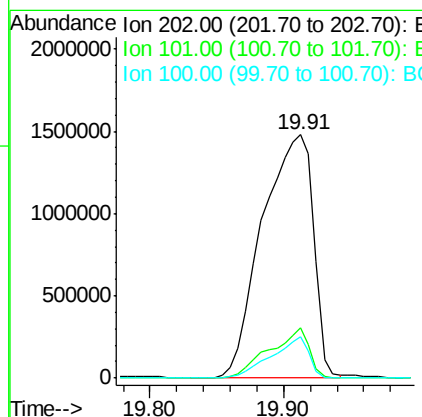
RT: 19.91 min Scan# 2906

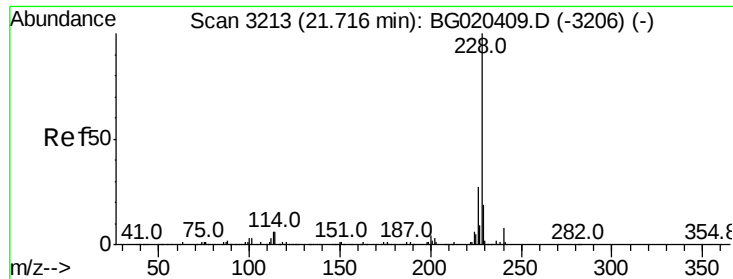
Delta R.T. 0.04 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Tgt Ion:	202	Resp:	3914075
Ion	Ratio	Lower	Upper
202	100		
101	20.4	7.0	10.4#
100	17.0	6.4	9.6#





#83

Benzo(a)anthracene

Concen: 124.18 ng/ul

RT: 21.73 min Scan# 3216

Delta R.T. 0.02 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Instrument :

BNA_G

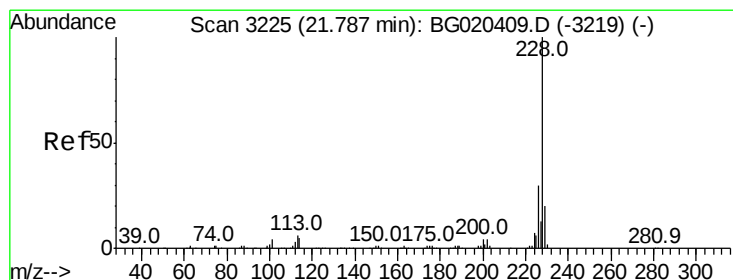
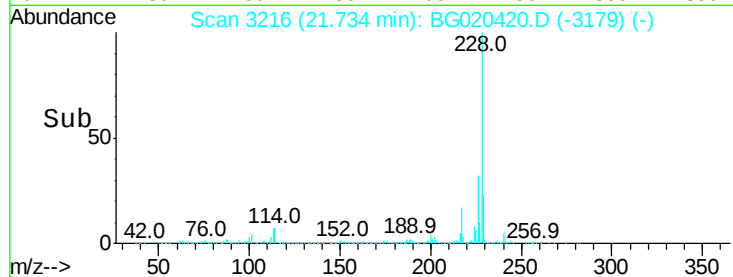
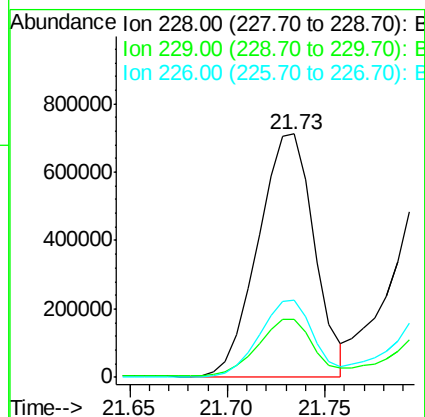
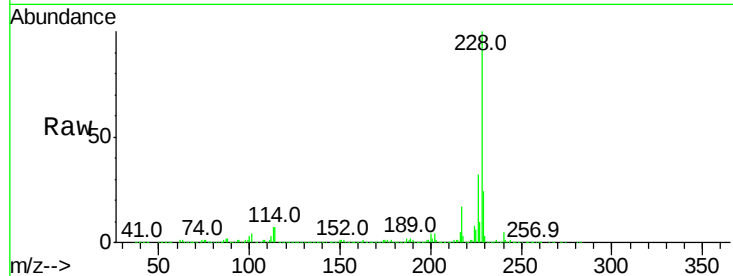
ClientSampleId :

D9N51ME

Tot Ion:	228	Resp:	1418611
Ion	Ratio	Lower	Upper
228	100		
229	23.6	15.8	23.8
226	31.6	21.8	32.6

Manual Integrations
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#85

Chrysene

Concen: 111.33 ng/ul

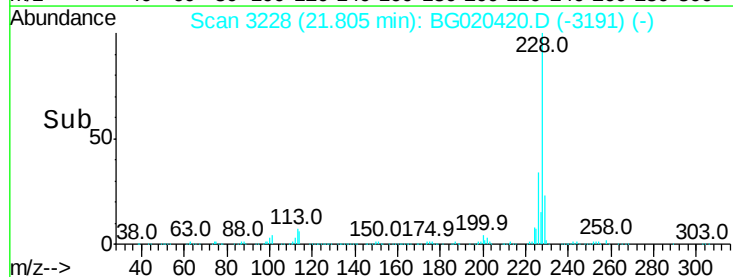
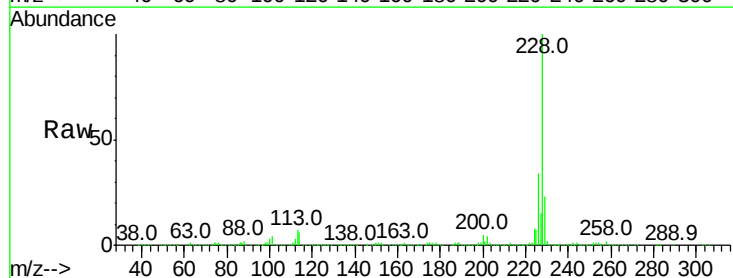
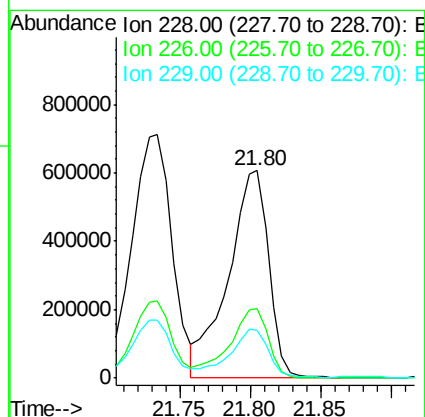
RT: 21.80 min Scan# 3228

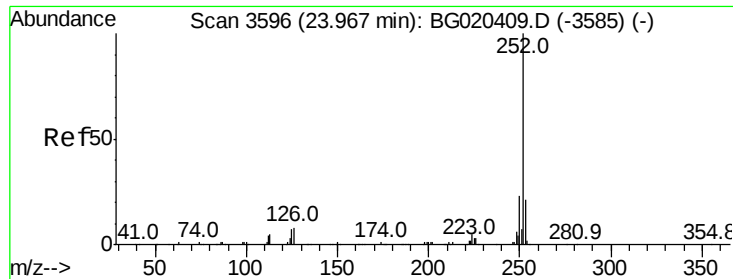
Delta R.T. 0.02 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Tgt Ion:	228	Resp:	1197723
Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.9	35.9
229	22.9	15.6	23.4





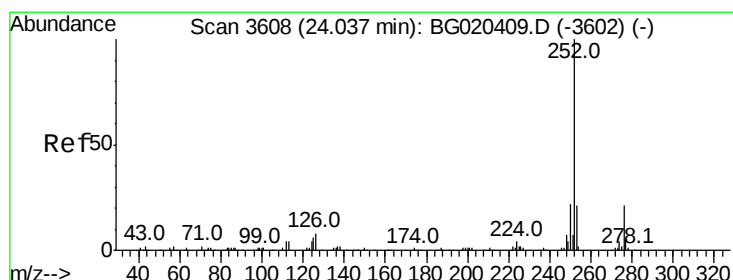
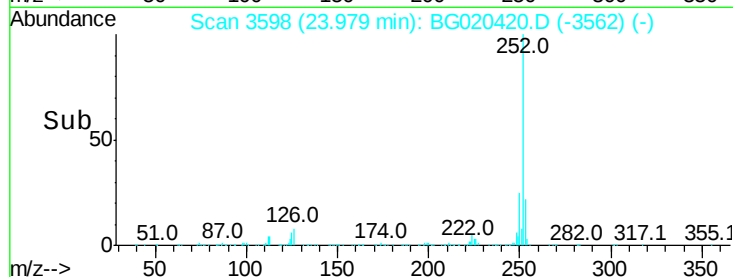
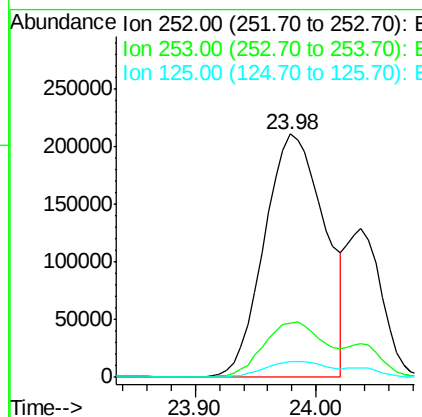
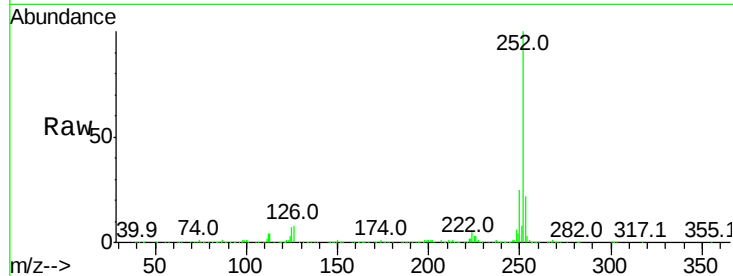
#88
Benzo(b)fluoranthene
Concen: 62.47 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Instrument :
BNA_G
ClientSampleId :
D9N51ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.7	25.1
125	6.6	6.2	9.2

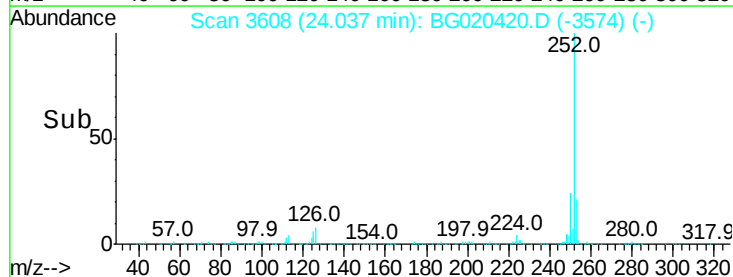
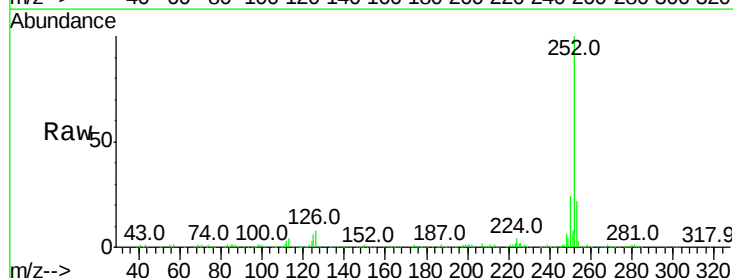
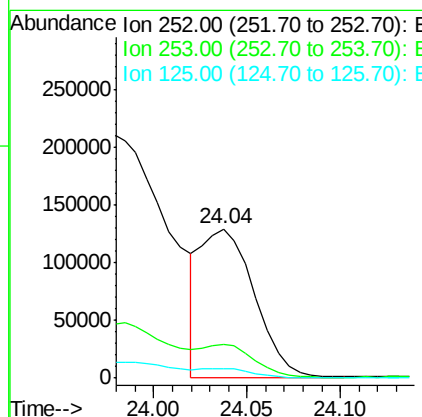
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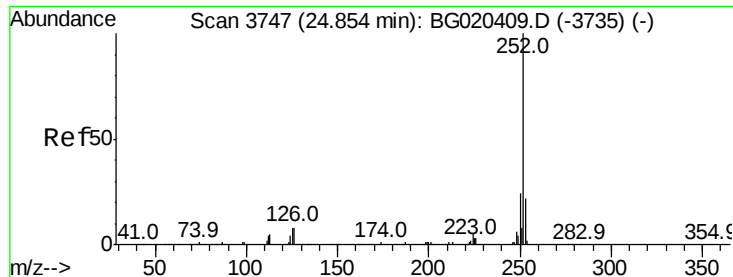
Sohil
12/24/2015 5:33:39 PM



#89
Benzo(k)fluoranthene
Concen: 23.22 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. 0.00 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	6.2	5.8	8.6





#91

Benzo(a)pyrene

Concen: 37.17 ng/ul

RT: 24.86 min Scan# 3748

Delta R.T. 0.01 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Instrument :

BNA_G

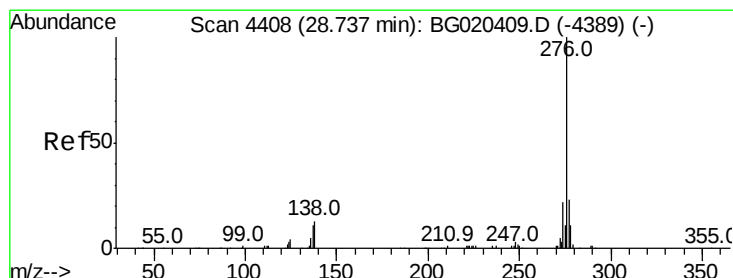
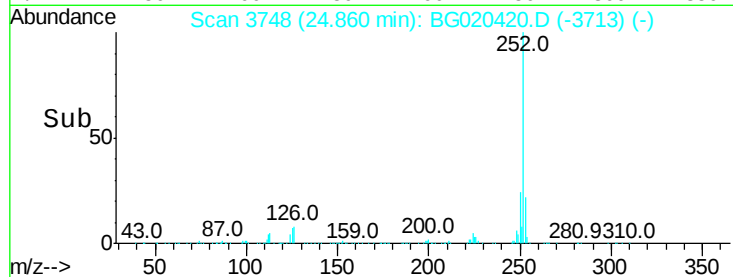
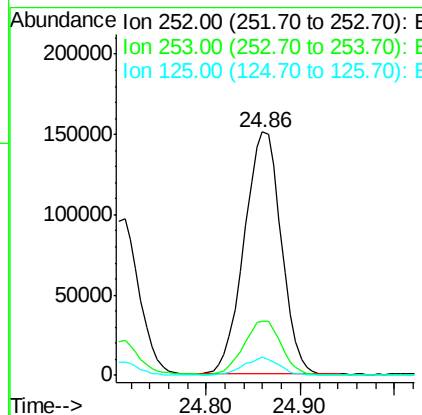
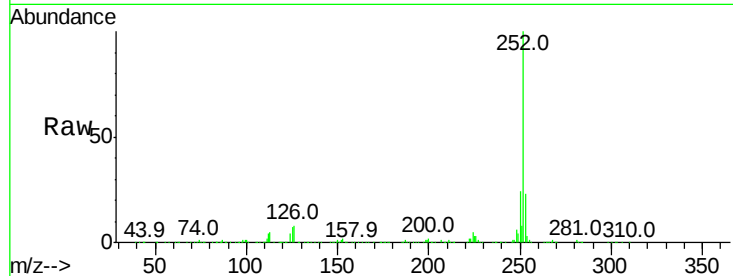
ClientSampleId :

D9N51ME

Tot Ion:	252	Resp:	411209
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.4
125	7.3	6.2	9.4

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#92

Indeno(1,2,3-cd)pyrene

Concen: 10.06 ng/ul

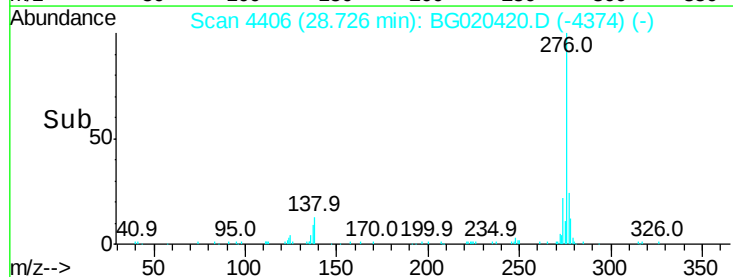
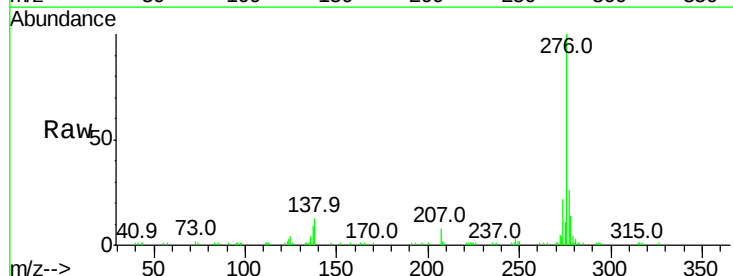
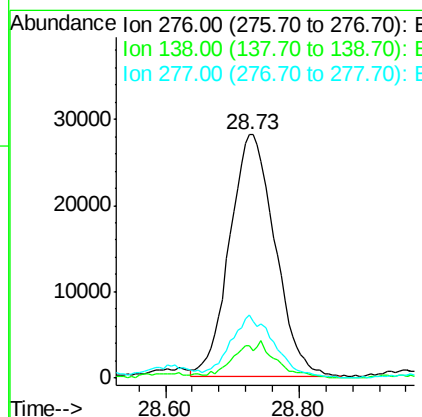
RT: 28.73 min Scan# 4406

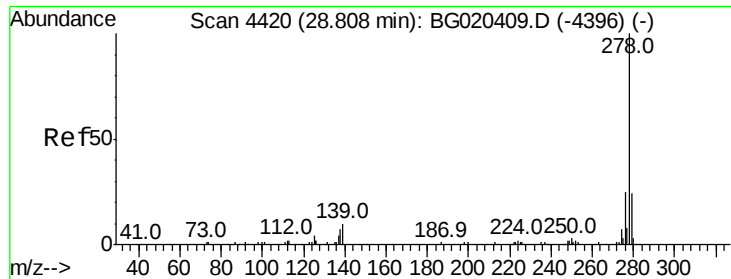
Delta R.T. -0.01 min

Lab File: BG020420.D

Acq: 22 Dec 2015 22:11

Tgt Ion:	276	Resp:	132562
Ion Ratio	Lower	Upper	
276	100		
138	13.2	11.4	17.0
277	25.8	17.4	26.0





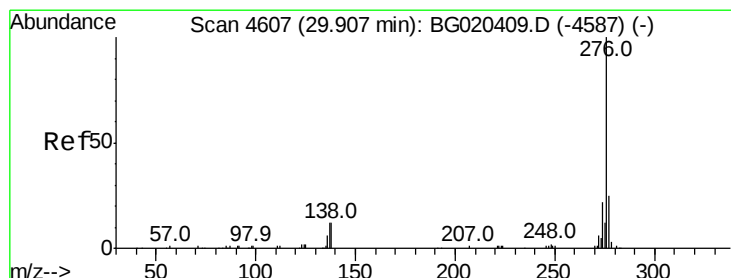
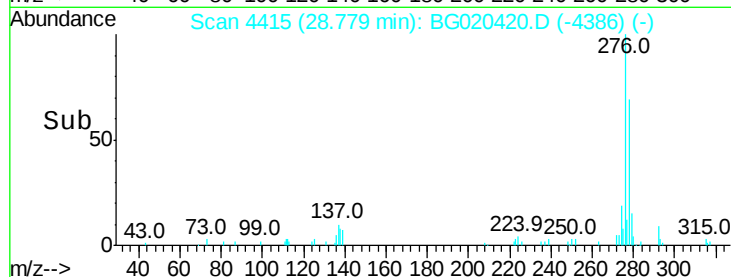
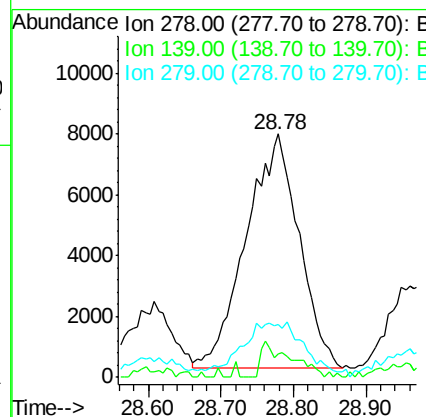
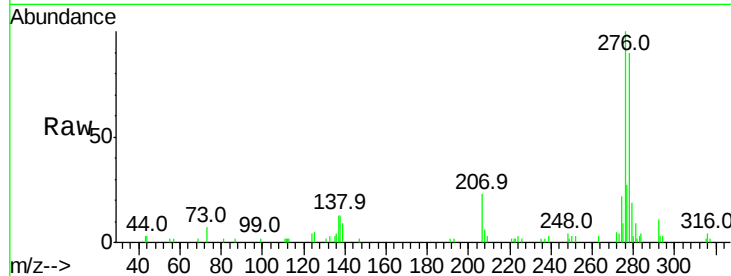
#93
Dibenzo(a,h)anthracene
Concen: 3.56 ng/ul
RT: 28.78 min Scan# 4415
Delta R.T. -0.03 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Instrument :
BNA_G
ClientSampleId :
D9N51ME

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.5	9.4	14.2
279	21.7	19.4	29.0

Manual Integrations
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12/24/2015 5:33:39 PM



#94
Benzo(g,h,i)perylene
Concen: 9.08 ng/ul
RT: 29.90 min Scan# 4606
Delta R.T. -0.01 min
Lab File: BG020420.D
Acq: 22 Dec 2015 22:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.2	10.8	16.2#
277	21.5	19.9	29.9

