

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020416.D
 Acq On : 22 Dec 2015 19:33
 Operator : UM/SJ
 Sample : G4849-09
 Misc : med level RX
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:34:14 PM

Quant Time: Dec 23 06:35:02 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	8.08	152	20246	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	89386	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	67253	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	160519	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	209077	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	201929	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1852	5.05	ng/uL	0.00
5) Phenol-d5	7.24	99	50296	28.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	32181	30.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	41245	31.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	46381	30.38	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	24369	34.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	29342	37.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	52464	33.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	58357	33.08	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	185845	34.16	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	215759	34.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	26370	27.03	ng/ul	0.00
58) Fluorene-d10	15.71	176	166904	33.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	28092	29.52	ng/ul	0.01
71) Anthracene-d10	17.58	188	260858	35.27	ng/ul	0.02
79) Pyrene-d10	19.85	212	314457	32.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	367981	36.54	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	1543937	330.76	ng/ul#	93
34) 2-Methylnaphthalene	12.56	142	611943	171.63	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	263159	51.87	ng/ul	96
45) Dimethylphthalate	14.17	163	37158	6.69	ng/ul	97
48) Acenaphthylene	14.44	152	72627	10.80	ng/ul#	94
50) Acenaphthene	14.79	153	1134539	250.78	ng/ul	95
54) Dibenzofuran	15.12	168	1163506	172.88	ng/ul	95
59) Fluorene	15.78	166	1137917	210.55	ng/ul	98
70) Phenanthrene	17.54	178	3827516m	435.93	ng/ul	
72) Anthracene	17.61	178	526376	59.11	ng/ul	97
75) Carbazole	17.87	167	330334	44.15	ng/ul	97
77) Fluoranthene	19.53	202	2673003	260.49	ng/ul#	88
80) Pyrene	19.89	202	2044275	161.55	ng/ul#	94
83) Benzo(a)anthracene	21.72	228	620999	50.90	ng/ul	97
85) Chrysene	21.79	228	502720m	43.75	ng/ul	
88) Benzo(b)fluoranthene	23.97	252	293529	24.15	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	111205m	9.53	ng/ul	
91) Benzo(a)pyrene	24.85	252	167168	14.51	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.72	276	53777	3.92	ng/ul#	94
94) Benzo(g,h,i)perylene	29.88	276	40443	3.60	ng/ul	99

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

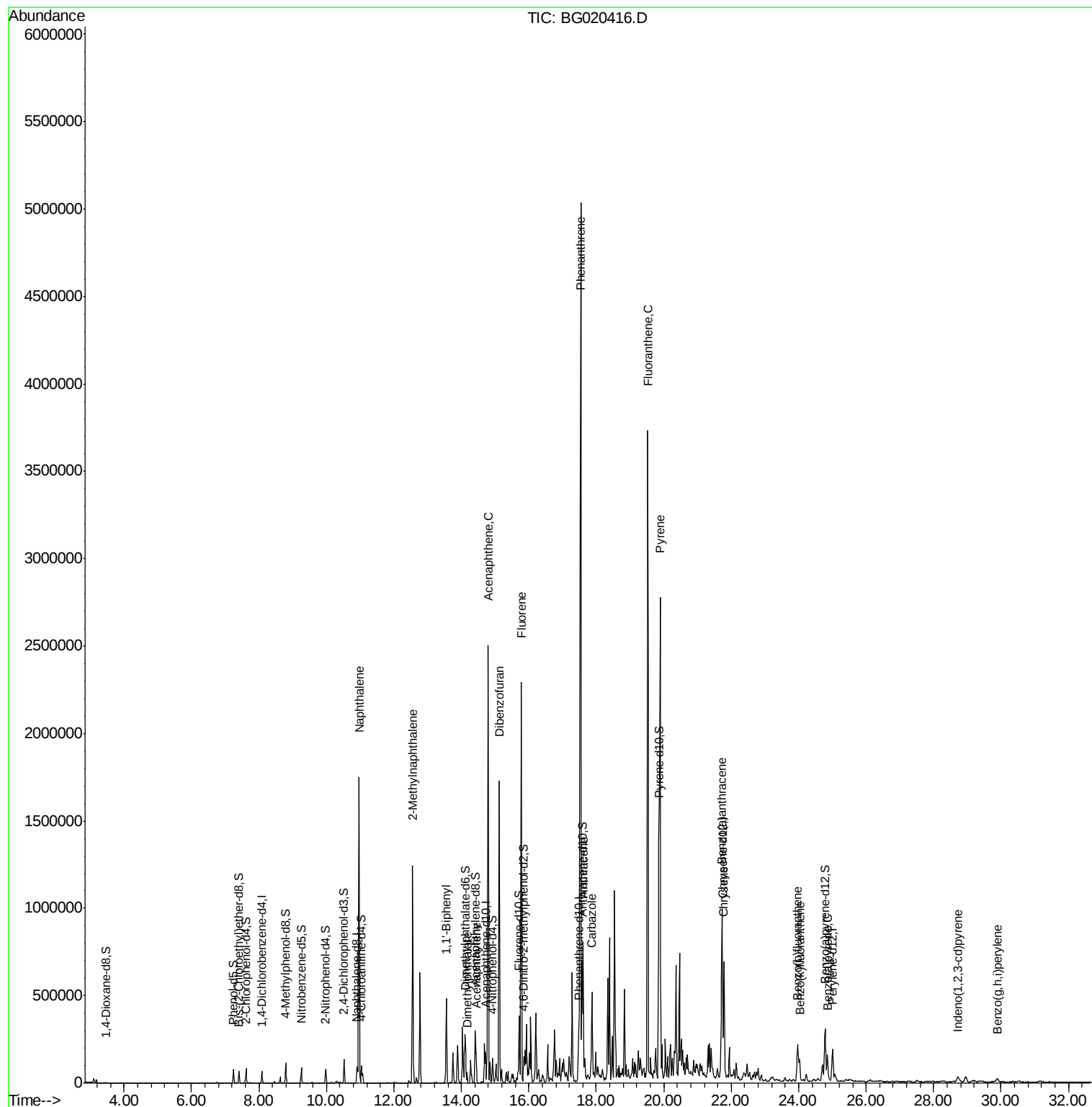
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

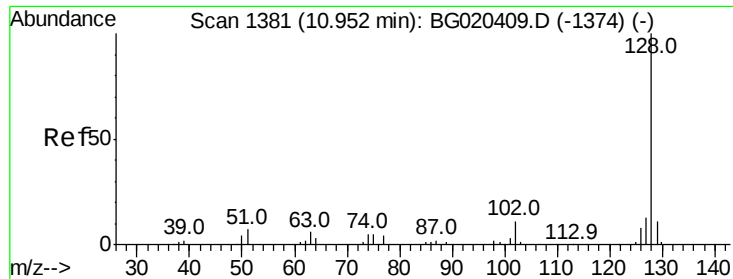
Instrument :
BNA_G
ClientSampleId :
D9N73ME

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Quant Time: Dec 23 06:35:02 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





#28

Naphthalene

Concen: 330.76 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BG020416.D

Acq: 22 Dec 2015 19:33

Instrument :

BNA_G

ClientSampleId :

D9N73ME

Tot Ion:128 Resp: 1543937

Ion Ratio Lower Upper

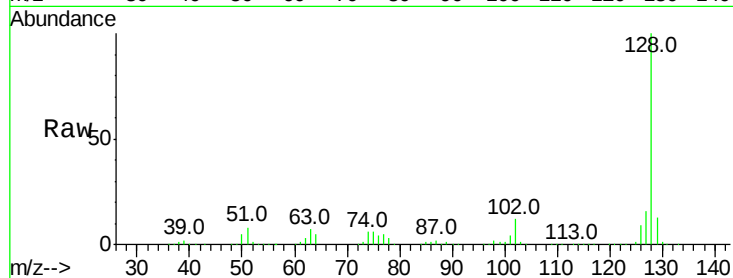
128 100

129 12.8 8.6 12.8

127 15.6 10.1 15.1#

Manual Integrations
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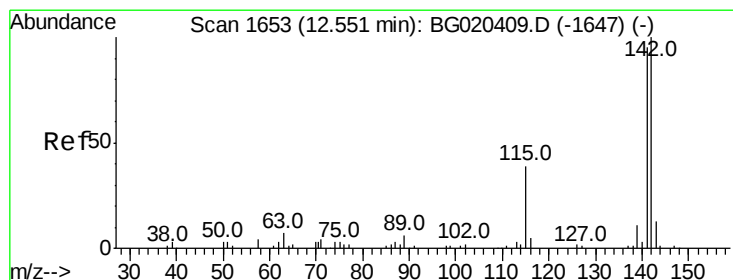
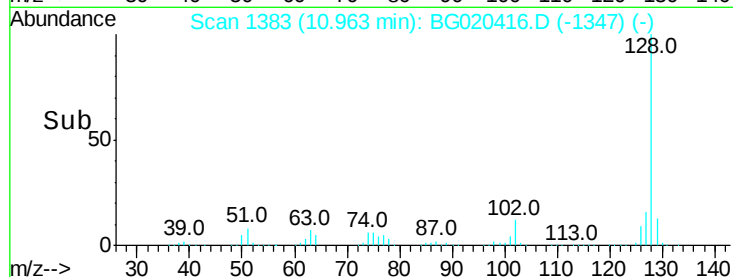
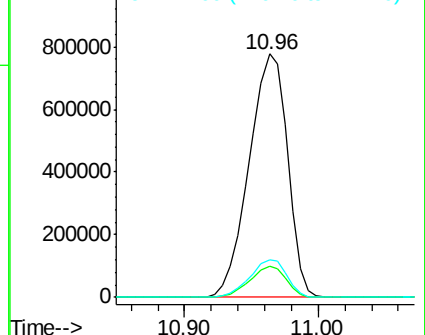
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 171.63 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG020416.D

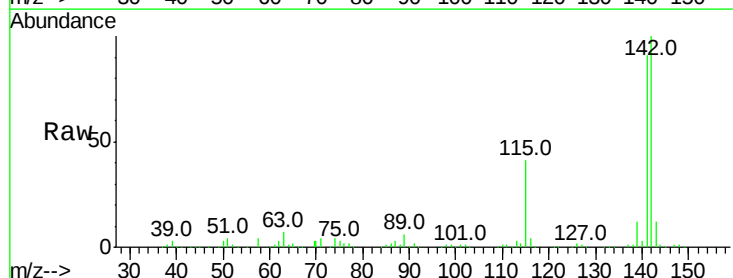
Acq: 22 Dec 2015 19:33

Tgt Ion:142 Resp: 611943

Ion Ratio Lower Upper

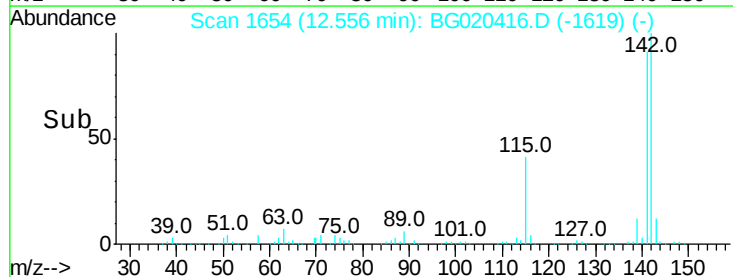
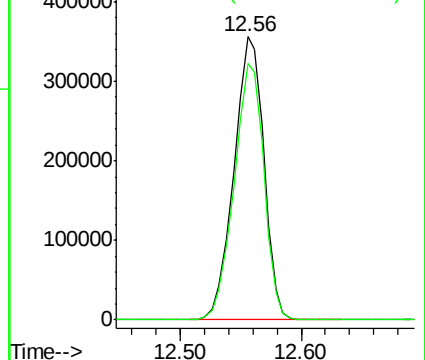
142 100

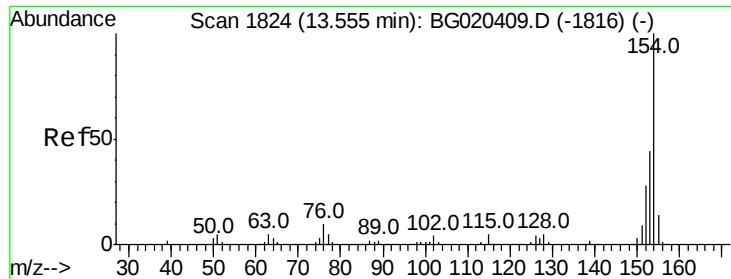
141 90.7 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





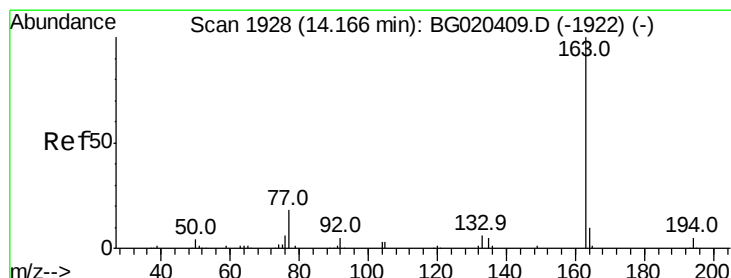
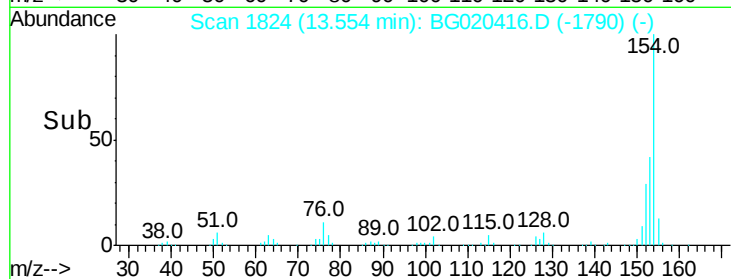
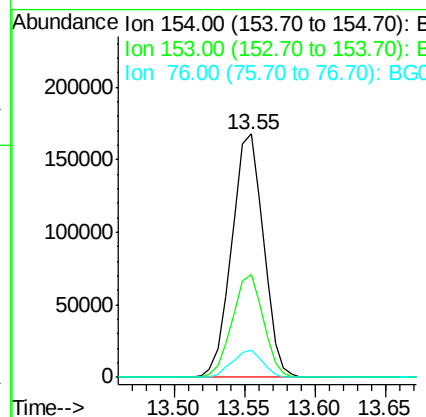
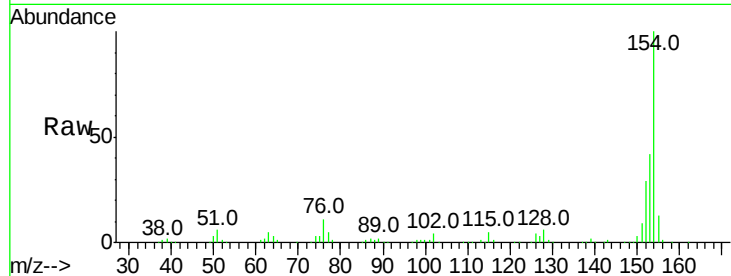
#41
 1,1'-Biphenyl
 Concen: 51.87 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Instrument :
 BNA_G
 ClientSampleId :
 D9N73ME

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.1	35.5	53.3	
76	11.0	10.4	15.6	

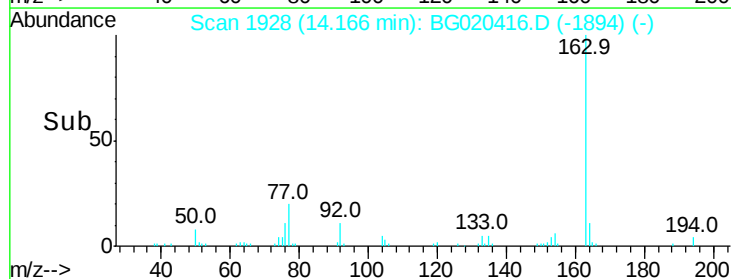
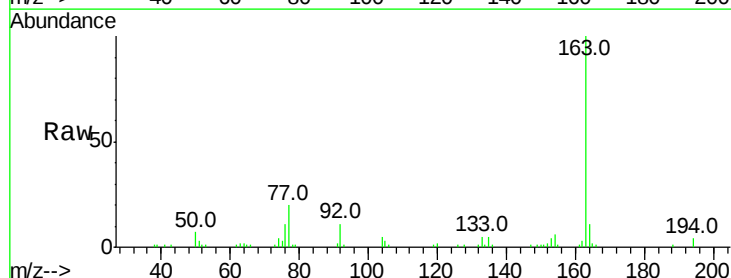
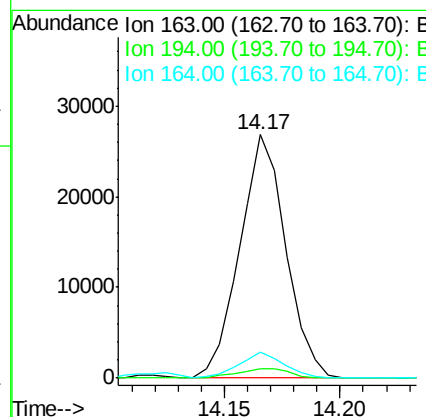
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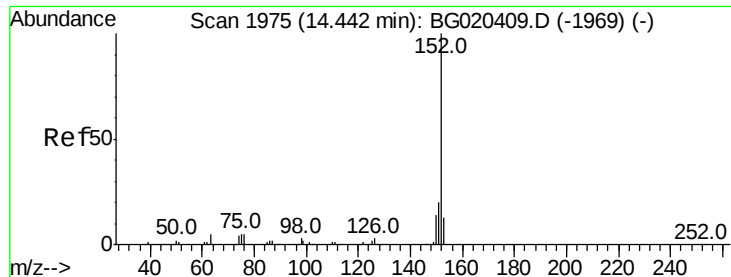
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#45
 Dimethylphthalate
 Concen: 6.69 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	3.5	5.3	
164	10.8	7.7	11.5	





#48

Acenaphthylene

Concen: 10.80 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG020416.D

Acq: 22 Dec 2015 19:33

Instrument :

BNA_G

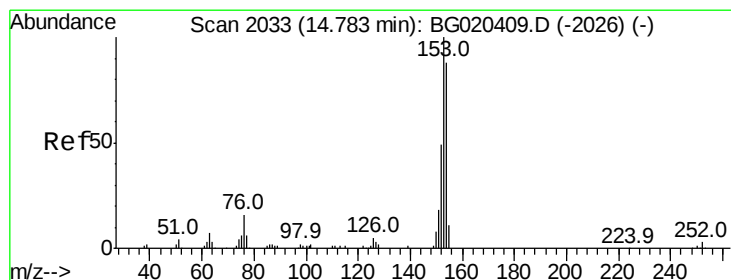
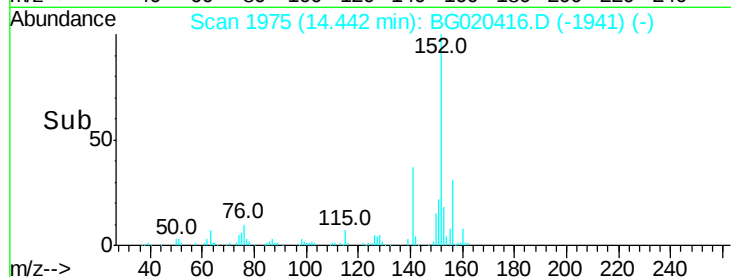
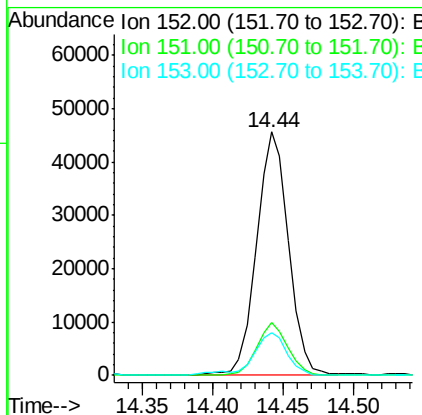
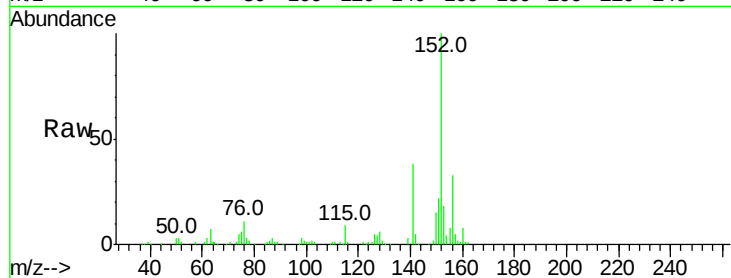
ClientSampleId :

D9N73ME

Tot Ion:	152	Resp:	72627
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.4	24.6
153	17.6	10.4	15.6

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#50

Acenaphthene

Concen: 250.78 ng/ul

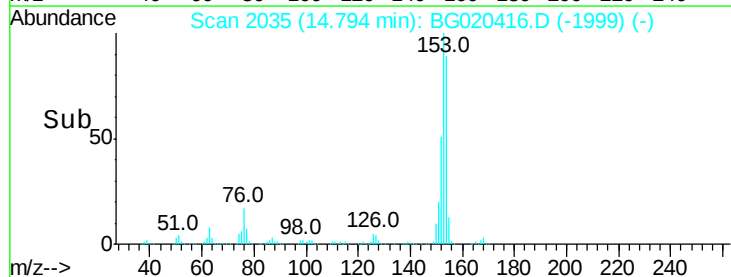
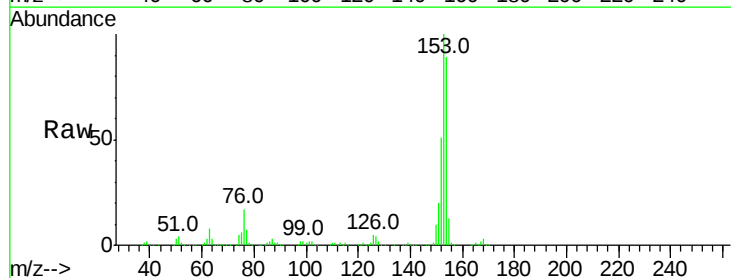
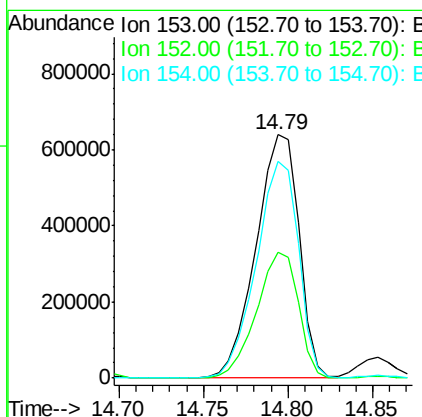
RT: 14.79 min Scan# 2035

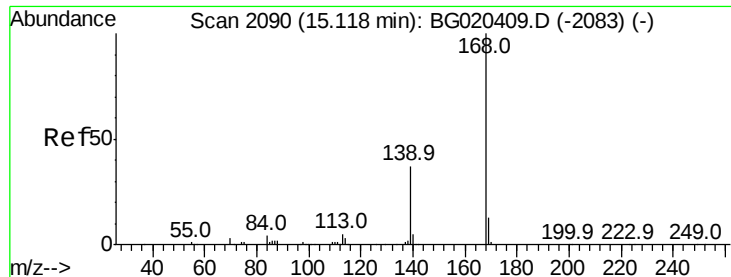
Delta R.T. 0.01 min

Lab File: BG020416.D

Acq: 22 Dec 2015 19:33

Tgt Ion:	153	Resp:	1134539
Ion Ratio	Lower	Upper	
153	100		
152	51.5	37.6	56.4
154	88.8	67.9	101.9





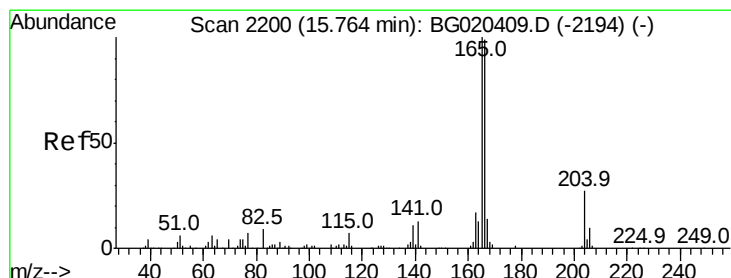
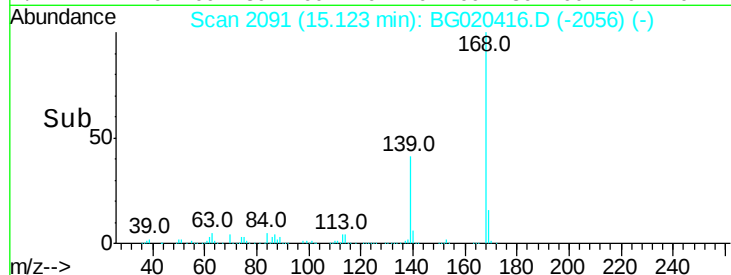
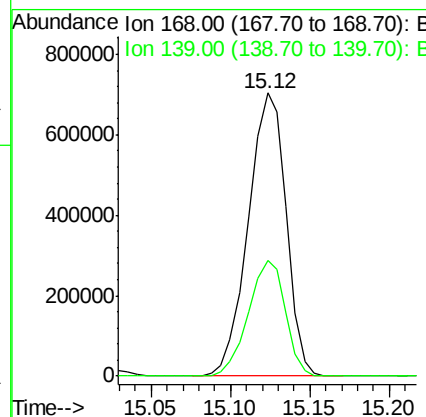
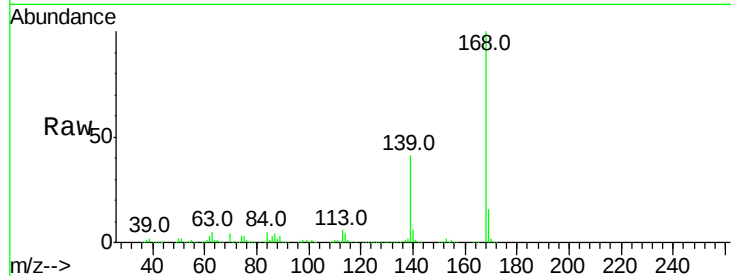
#54
Dibenzenofuran
Concen: 172.88 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Instrument :
BNA_G
ClientSampleId :
D9N73ME

Tot Ion:168 Resp: 1163506
Ion Ratio Lower Upper
168 100
139 41.1 30.5 45.7

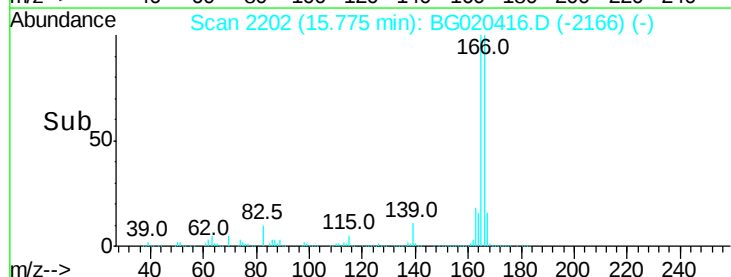
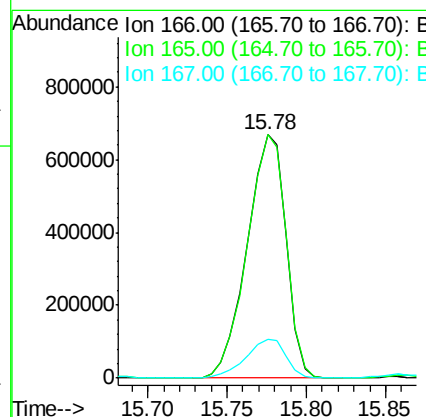
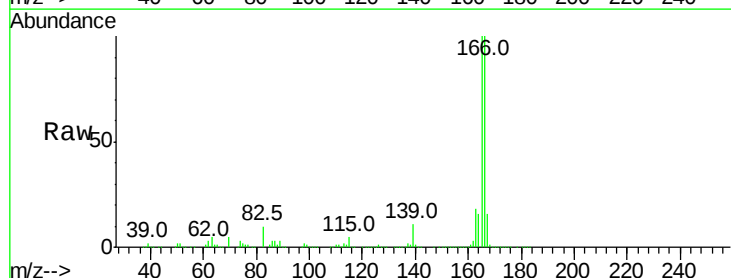
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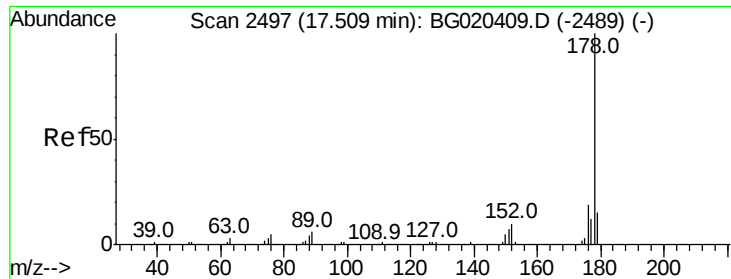
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#59
Fluorene
Concen: 210.55 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Tgt Ion:166 Resp: 1137917
Ion Ratio Lower Upper
166 100
165 99.9 81.4 122.0
167 16.1 11.2 16.8





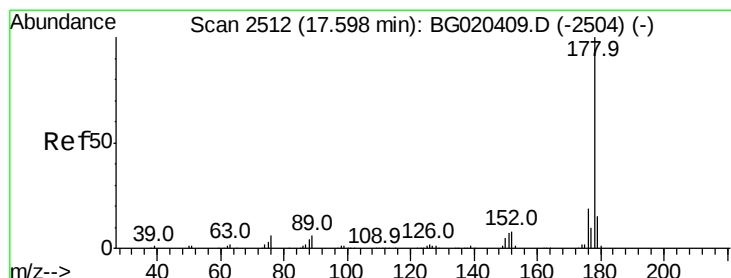
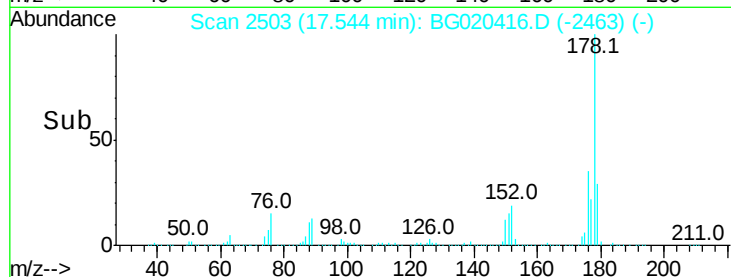
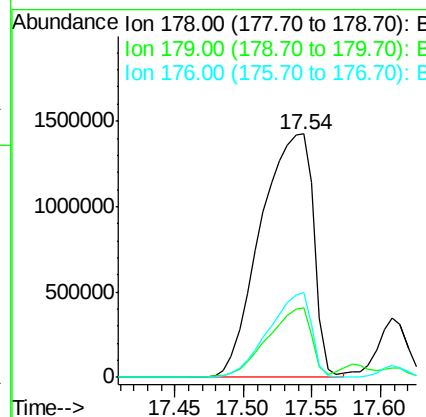
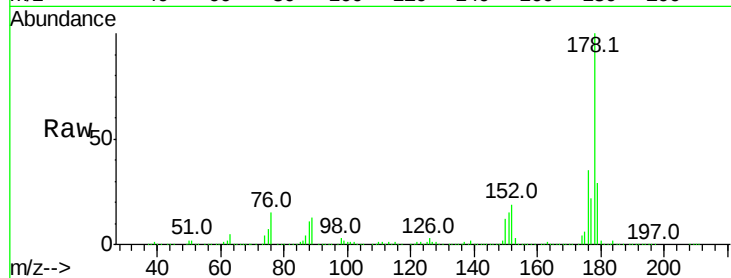
#70
Phenanthrene
Concen: 435.93 ng/ul m
RT: 17.54 min Scan# 2503
Delta R.T. 0.03 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Instrument :
BNA_G
ClientSampleId :
D9N73ME

Tot Ion:178 Resp: 3827516
Ion Ratio Lower Upper
178 100
179 28.6 12.9 19.3#
176 34.8 15.3 22.9#

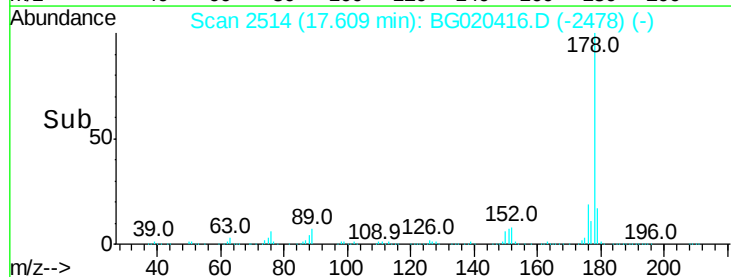
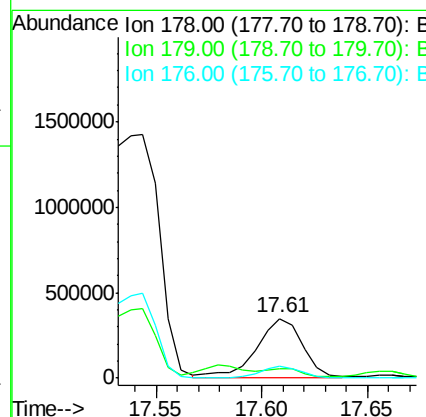
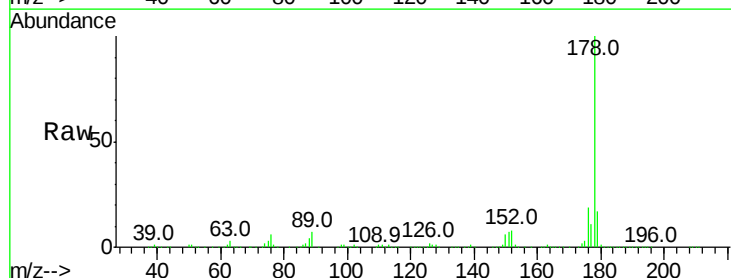
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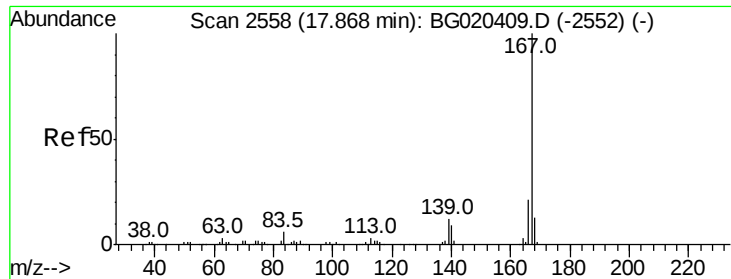
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#72
Anthracene
Concen: 59.11 ng/ul
RT: 17.61 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Tgt Ion:178 Resp: 526376
Ion Ratio Lower Upper
178 100
179 16.8 12.3 18.5
176 19.1 14.3 21.5





#75

Carbazole

Concen: 44.15 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BG020416.D

Acq: 22 Dec 2015 19:33

Instrument :

BNA_G

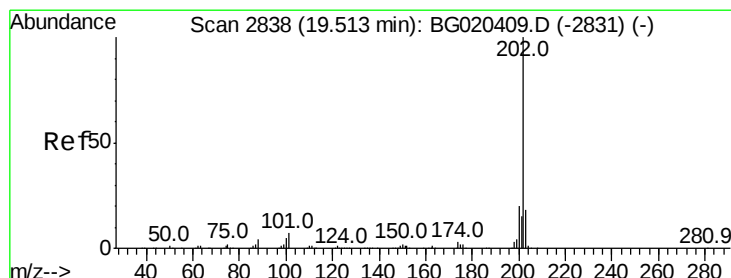
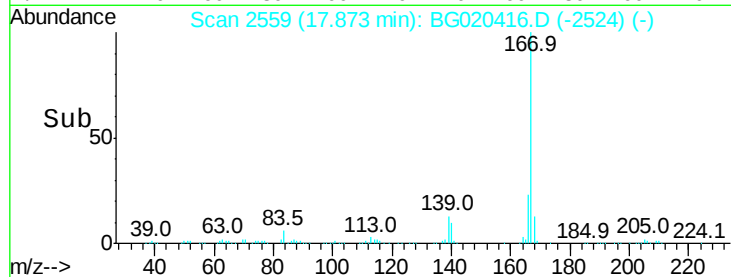
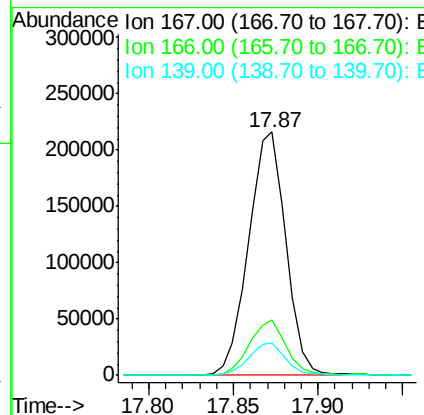
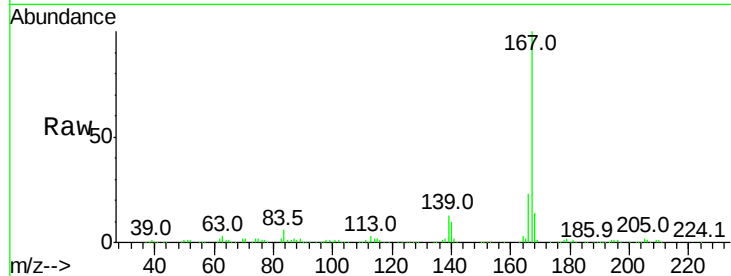
ClientSampleID :

D9N73ME

Tot Ion:	167	Resp:	330334
Ion Ratio		Lower	Upper
167	100		
166	22.8	17.0	25.6
139	13.3	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 260.49 ng/ul

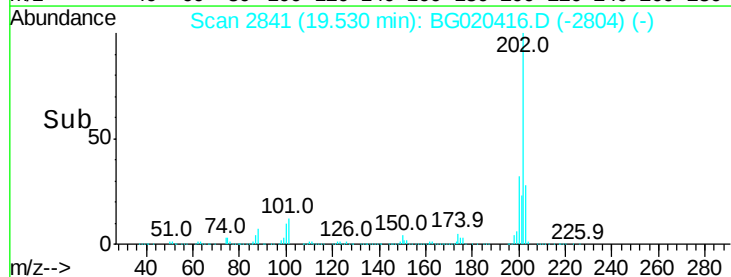
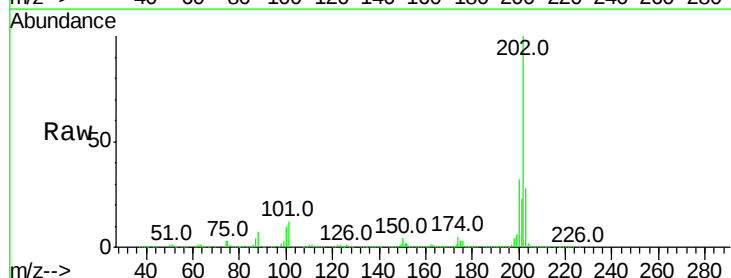
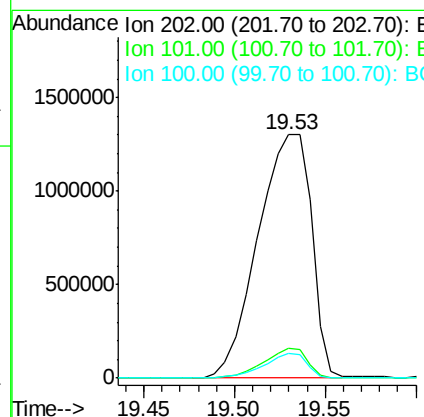
RT: 19.53 min Scan# 2841

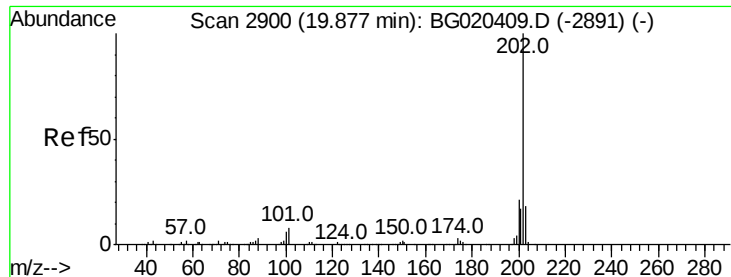
Delta R.T. 0.02 min

Lab File: BG020416.D

Acq: 22 Dec 2015 19:33

Tgt Ion:	202	Resp:	2673003
Ion Ratio		Lower	Upper
202	100		
101	12.4	6.2	9.4#
100	10.1	5.1	7.7#





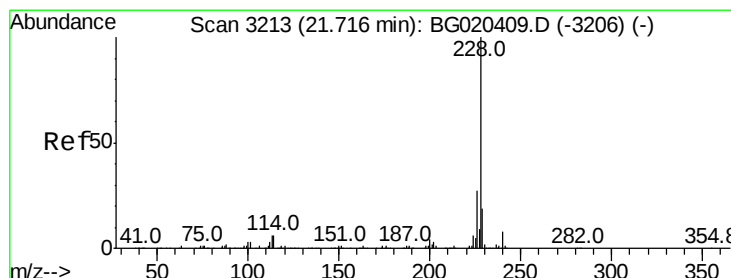
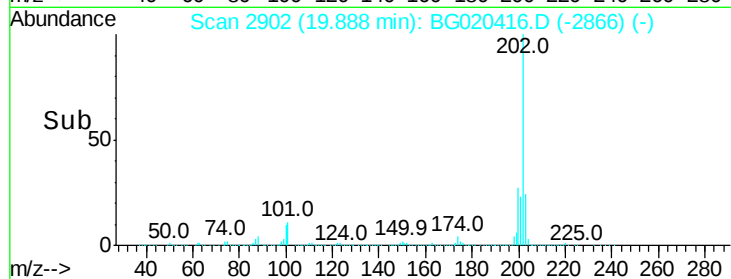
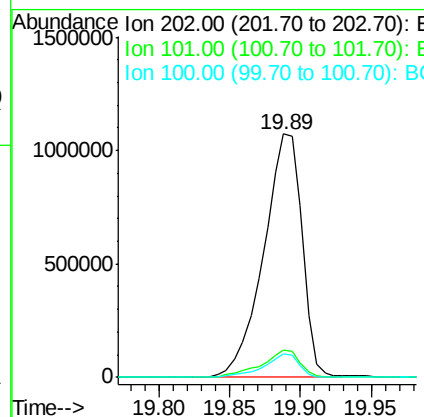
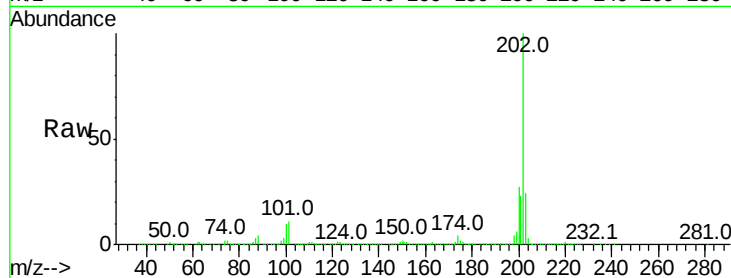
#80
Pvrene
Concen: 161.55 ng/ul
RT: 19.89 min Scan# 2902
Delta R.T. 0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Instrument :
BNA_G
ClientSampleId :
D9N73ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.0	10.4#
100	9.8	6.4	9.6#

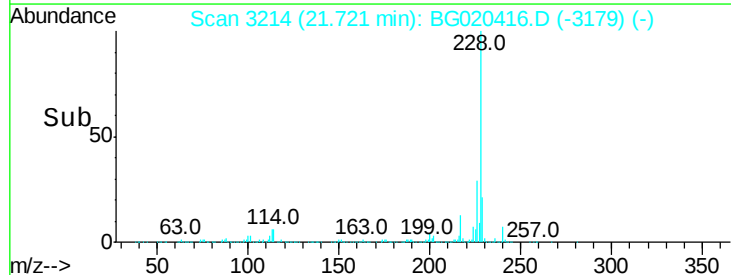
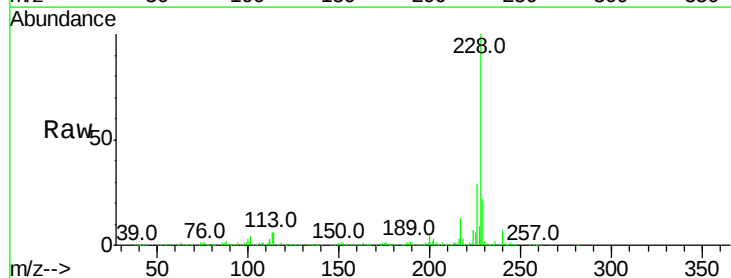
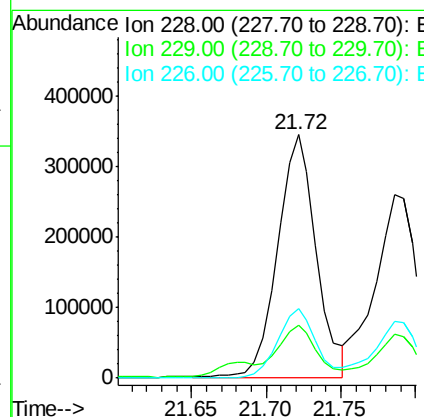
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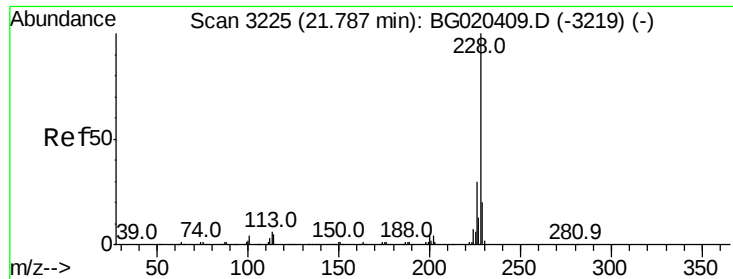
Sohil
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#83
Benzo(a)anthracene
Concen: 50.90 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.8	23.8
226	28.6	21.8	32.6





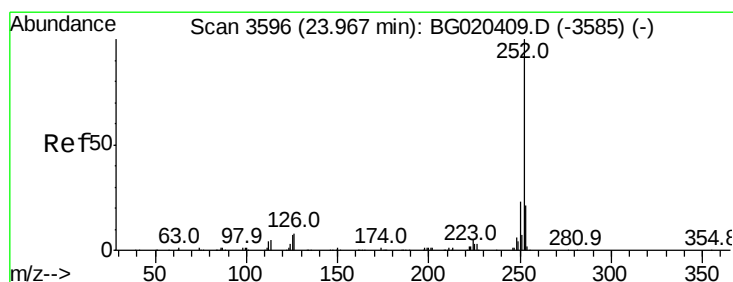
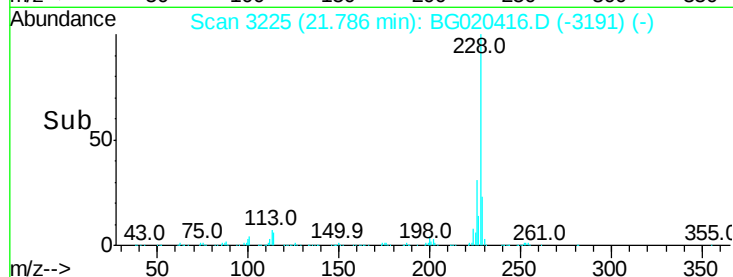
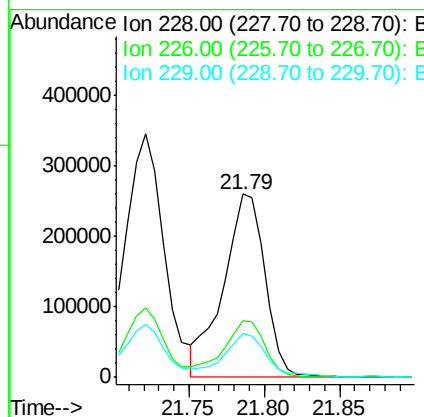
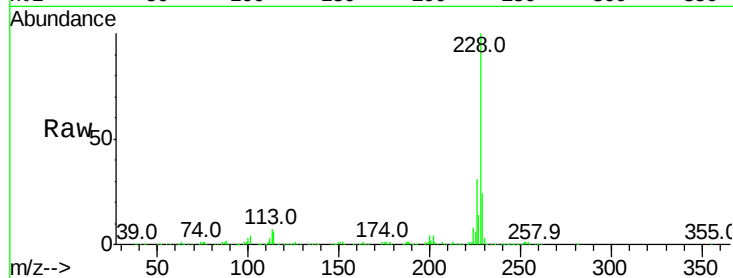
#85
 Chrysene
 Concen: 43.75 ng/ul m
 RT: 21.79 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Instrument :
 BNA_G
 ClientSampleId :
 D9N73ME

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9
229	23.8	15.6	23.4

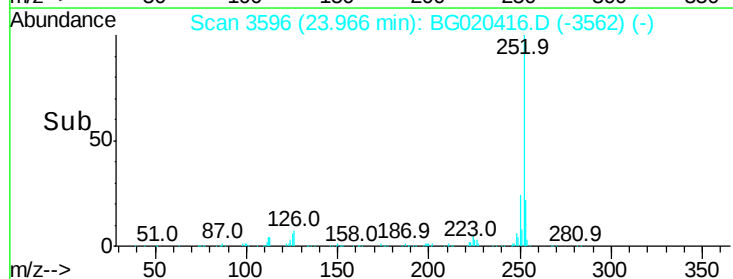
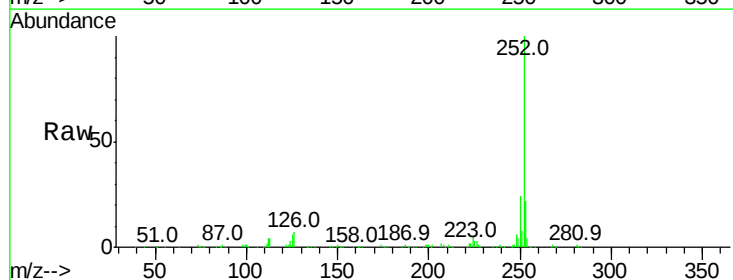
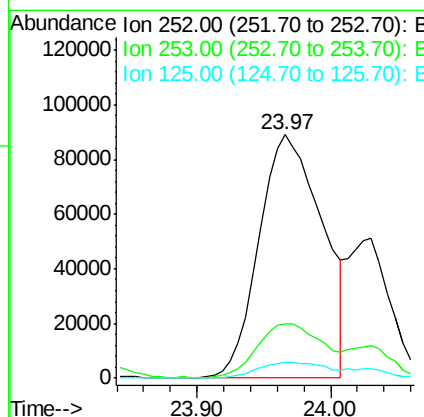
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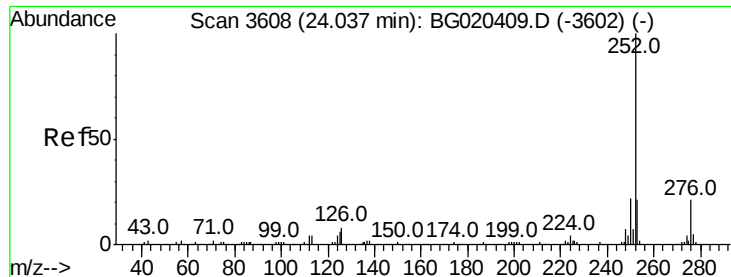
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#88
 Benzo(b)fluoranthene
 Concen: 24.15 ng/ul
 RT: 23.97 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.7	25.1
125	6.5	6.2	9.2





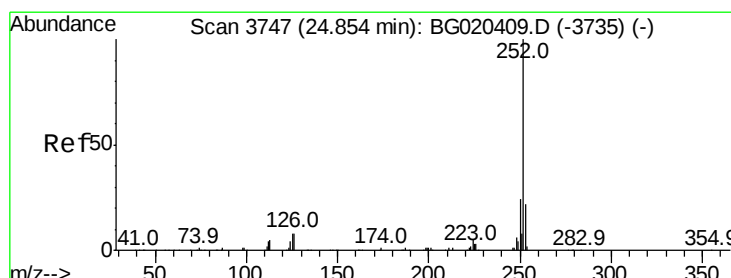
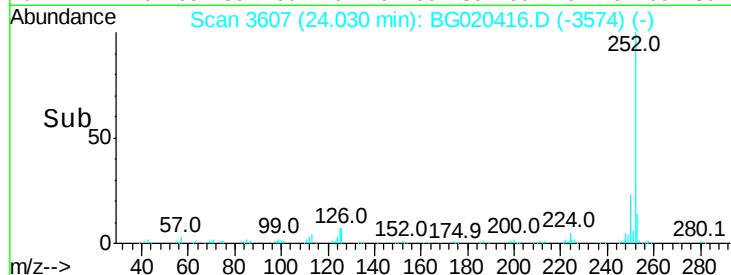
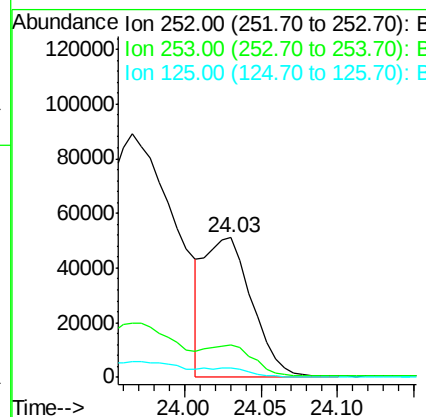
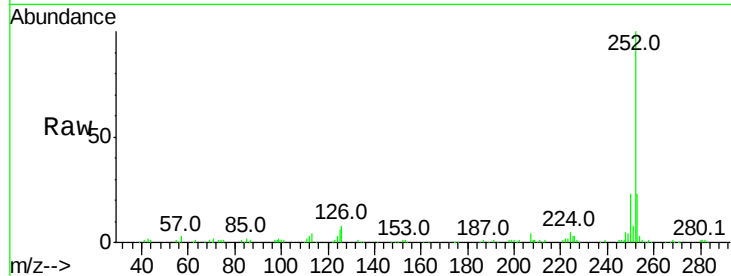
#89
Benzo(k)fluoranthene
Concen: 9.53 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.01 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Instrument :
BNA_G
ClientSampleId :
D9N73ME

Tot Ion	Ratio	Resp	Lower	Upper
252	100	111205		
253	23.0	17.9	26.9	
125	6.4	5.8	8.6	

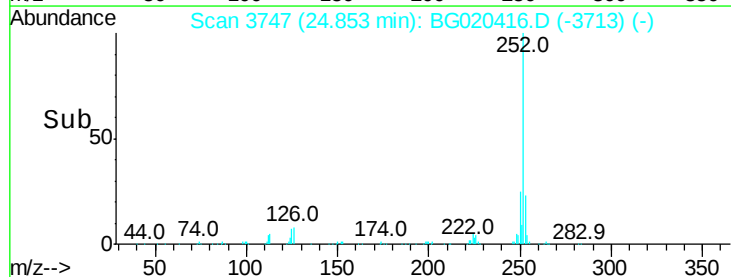
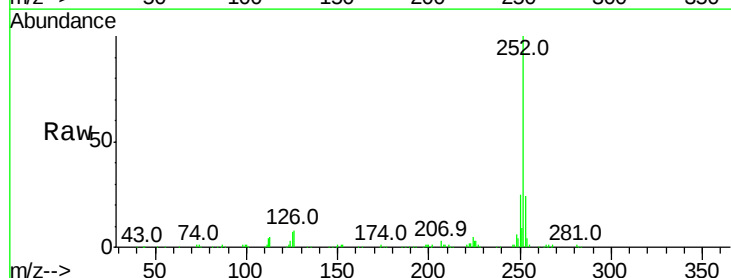
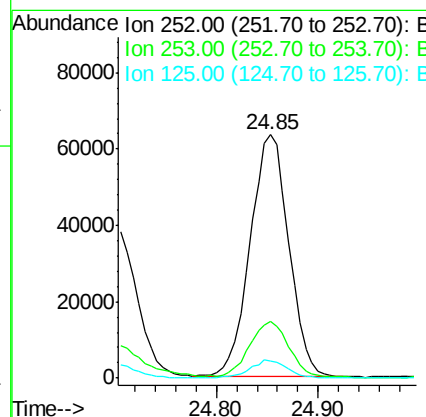
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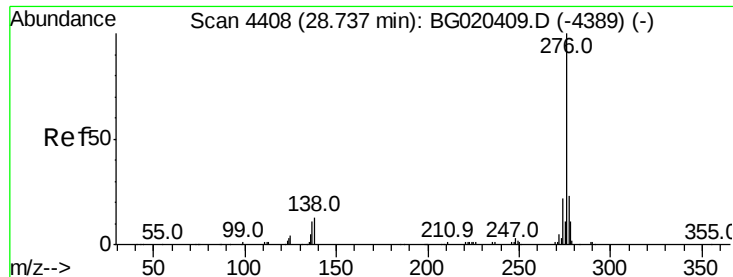
Sohil
12/24/2015 5:34:14 PM



#91
Benzo(a)pyrene
Concen: 14.51 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. -0.00 min
Lab File: BG020416.D
Acq: 22 Dec 2015 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	167168		
253	23.5	17.0	25.4	
125	6.9	6.2	9.4	





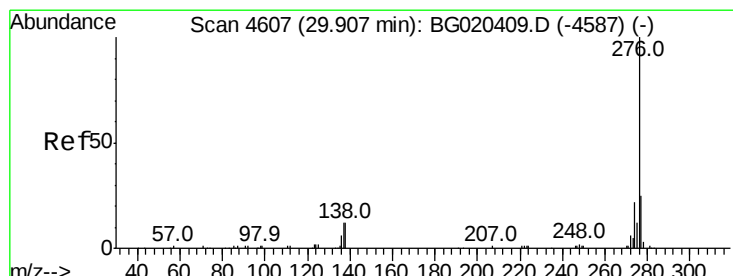
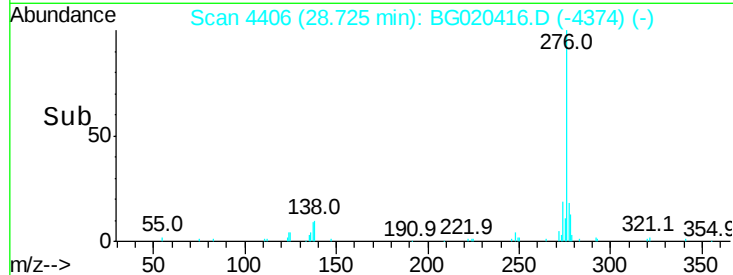
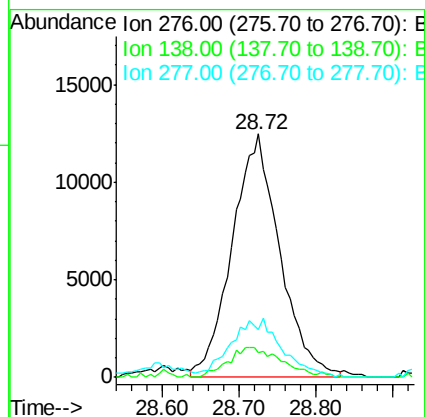
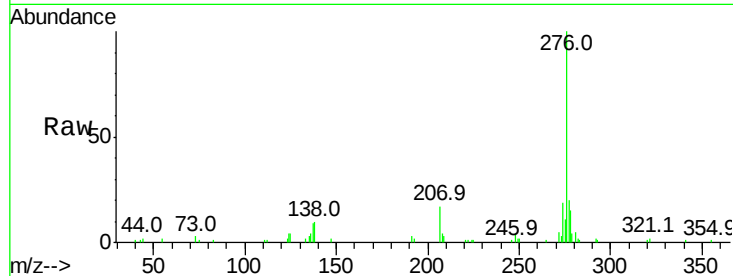
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.92 ng/ul
 RT: 28.72 min Scan# 4406
 Delta R.T. -0.01 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Instrument :
 BNA_G
 ClientSampleId :
 D9N73ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.1	11.4	17.0#
277	19.8	17.4	26.0

Manual Integrations
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 12/24/2015 5:34:14 PM



#94
 Benzo(g,h,i)perylene
 Concen: 3.60 ng/ul
 RT: 29.88 min Scan# 4603
 Delta R.T. -0.02 min
 Lab File: BG020416.D
 Acq: 22 Dec 2015 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	19.9	29.9

