

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020313.D
 Acq On : 19 Dec 2015 15:53
 Operator : UM/SJ
 Sample : G4849-06
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N70

Manual Integrations
 APPROVED

apatel
 12/22/2015 2:13:37 PM

Quant Time: Dec 21 11:59:06 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 04:48:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21763	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	97508	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	71182	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	160335	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	212124	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	202237	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1165	2.96	ng/uL	0.00
5) Phenol-d5	7.24	99	31663	16.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	21942	19.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	26971	19.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	28599	17.43	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15444	20.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	17605	20.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	31460	18.36	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	41594	21.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	109606	19.04	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	125797	18.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	14454	14.00	ng/ul	0.00
58) Fluorene-d10	15.71	176	100380	19.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	12198	12.83	ng/ul	0.03
71) Anthracene-d10	17.59	188	153323	20.75	ng/ul	0.02
79) Pyrene-d10	19.86	212	184731	18.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	212294	21.05	ng/ul	0.00

Target Compounds

					Ovalue
24) 2,4-Dimethylphenol	10.07	107	3584m	1.74	ng/ul
28) Naphthalene	10.99	128	3432080	674.01	ng/ul# 78
34) 2-Methylnaphthalene	12.57	142	1166095	299.81	ng/ul 98
41) 1,1'-Biphenyl	13.56	154	454878	84.70	ng/ul 97
45) Dimethylphthalate	14.17	163	19140	3.25	ng/ul 100
48) Acenaphthylene	14.45	152	101115	14.21	ng/ul# 95
50) Acenaphthene	14.81	153	1834239	383.06	ng/ul 91
54) Dibenzofuran	15.14	168	1833877	257.45	ng/ul# 87
59) Fluorene	15.79	166	1789977	312.93	ng/ul# 97
70) Phenanthrene	17.56	178	5093744m	580.81	ng/ul
72) Anthracene	17.62	178	686653	77.19	ng/ul 96
75) Carbazole	17.88	167	494722	66.19	ng/ul 98
77) Fluoranthene	19.54	202	3629176m	354.08	ng/ul
80) Pyrene	19.90	202	2778271	216.40	ng/ul# 86
83) Benzo(a)anthracene	21.73	228	957785	77.38	ng/ul 95
85) Chrysene	21.80	228	782195	67.10	ng/ul 95
88) Benzo(b)fluoranthene	23.98	252	446633	36.69	ng/ul 96
89) Benzo(k)fluoranthene	24.04	252	166070m	14.22	ng/ul
91) Benzo(a)pyrene	24.87	252	242223	20.99	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	28.74	276	68417	4.98	ng/ul 94
93) Dibenzo(a,h)anthracene	28.79	278	21622	1.90	ng/ul# 92
94) Benzo(a,h,i)perylene	29.91	276	48773m	4.33	ng/ul

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Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N70

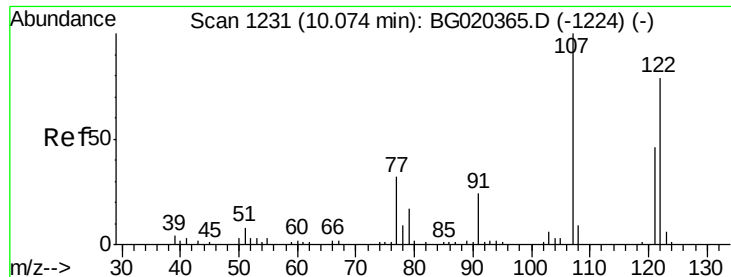
Manual Integrations
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12/22/2015 2:13:37 PM

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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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



#24

2,4-Dimethylphenol

Concen: 1.74 ng/ul m

RT: 10.07 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

Instrument :

BNA_G

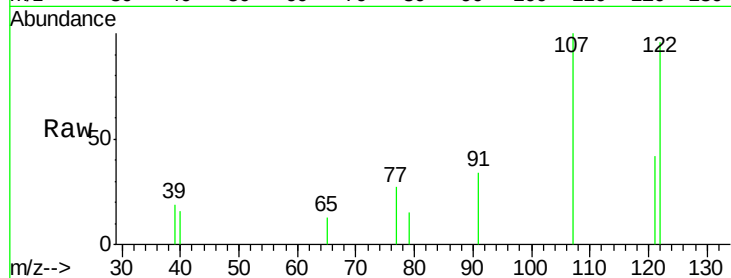
ClientSampleId :

D9N70

Tot Ion	Ratio	Lower	Upper
107	100		
121	42.0	39.0	58.4
122	95.9	62.1	93.1#

Manual Integrations
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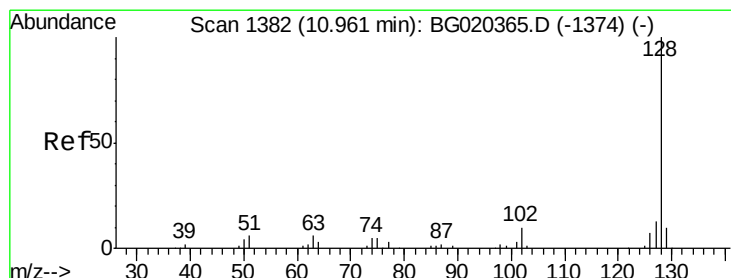
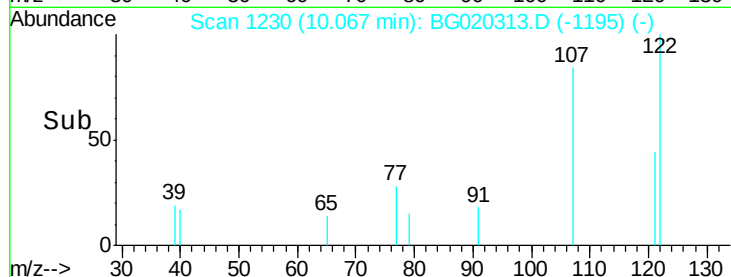
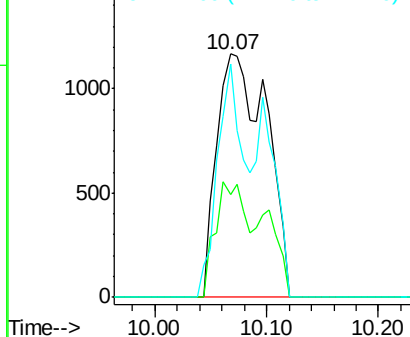


Abundance

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: 674.01 ng/ul

RT: 10.99 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

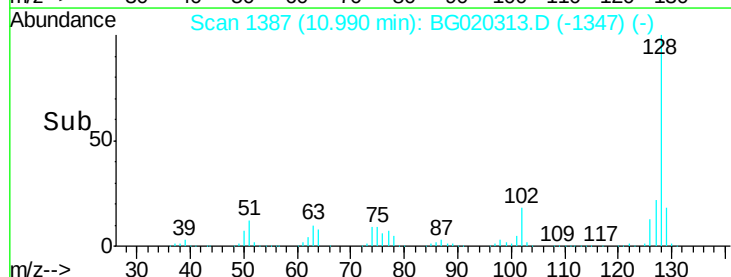
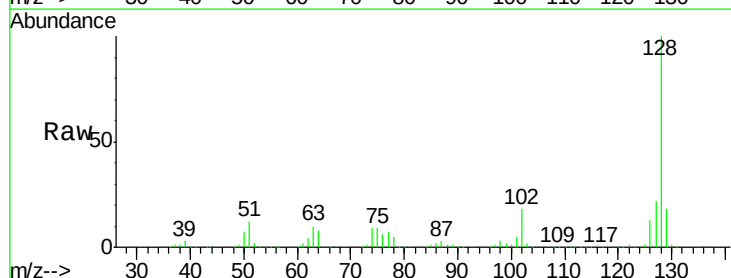
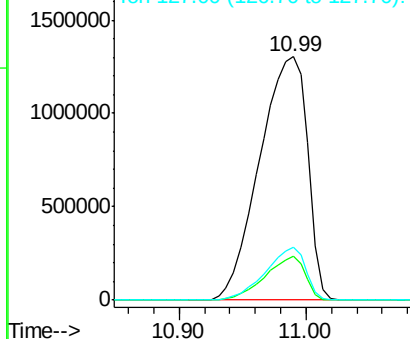
Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.9	8.6	12.8#
127	22.0	10.1	15.1#

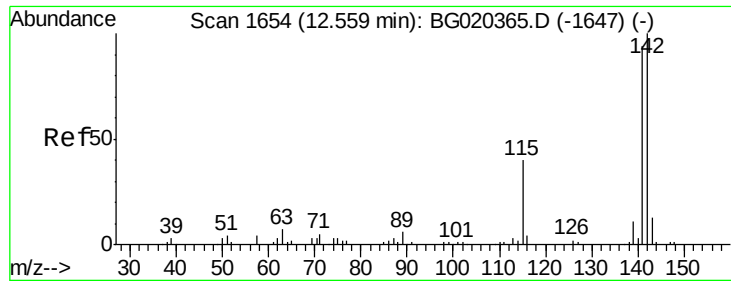
Abundance

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: 299.81 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

Instrument :

BNA_G

ClientSampleId :

D9N70

Tot Ion:142 Resp: 1166095

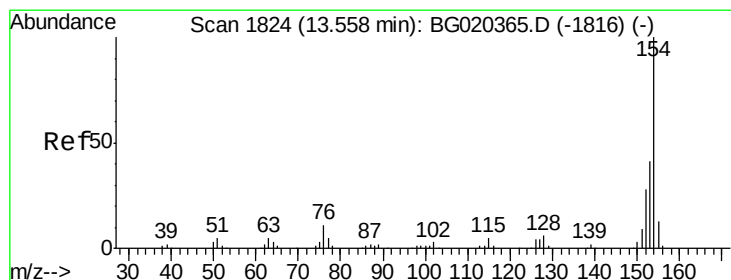
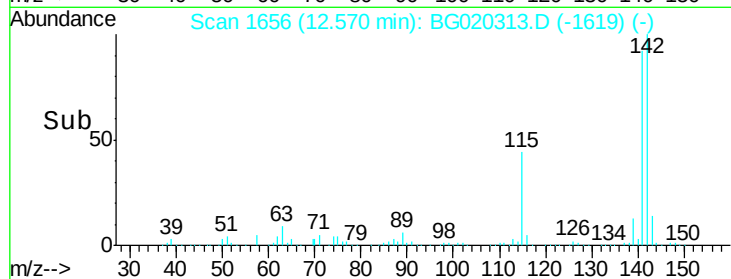
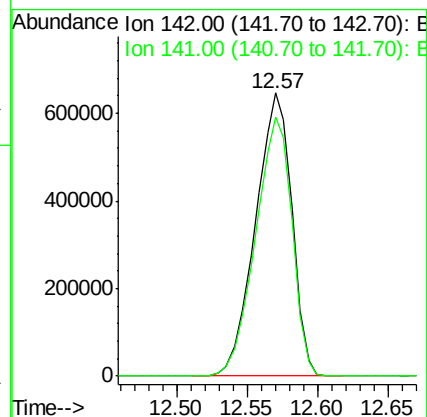
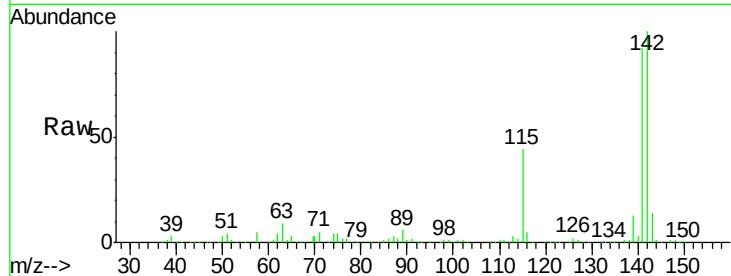
Ion Ratio Lower Upper

142 100

141 91.6 74.9 112.3

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#41

1,1'-Biphenyl

Concen: 84.70 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

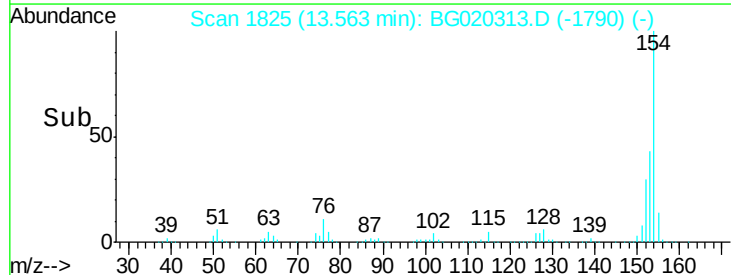
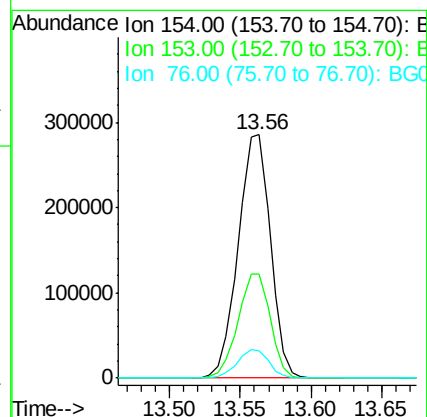
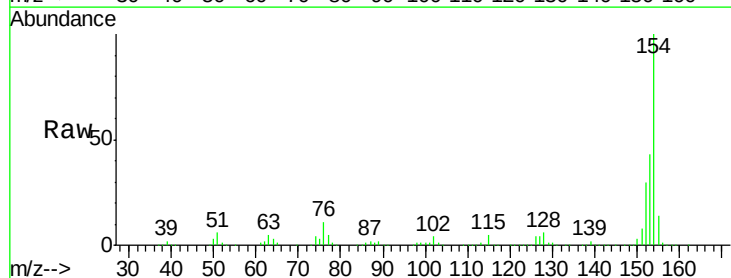
Tgt Ion:154 Resp: 454878

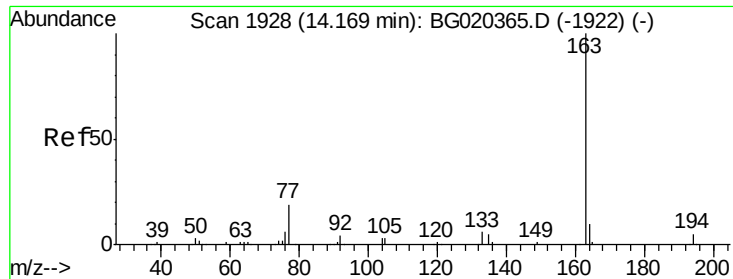
Ion Ratio Lower Upper

154 100

153 42.6 35.5 53.3

76 11.2 10.4 15.6





#45

Dimethylphthalate

Concen: 3.25 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

Instrument :

BNA_G

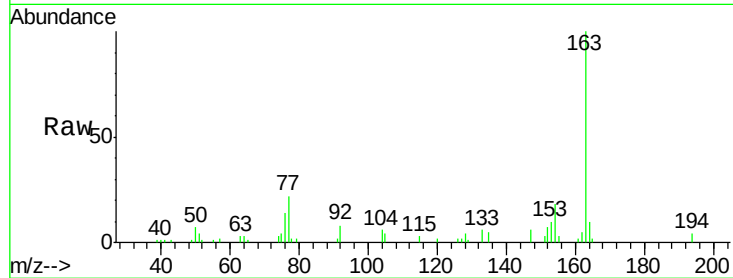
ClientSampleId :

D9N70

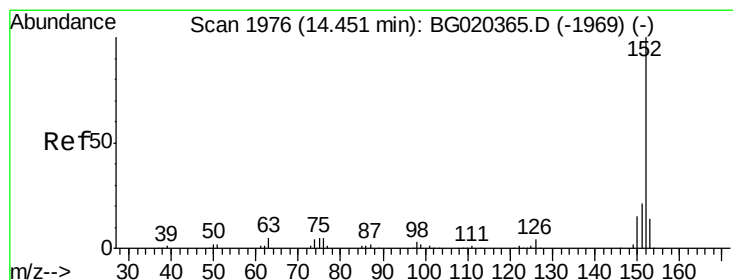
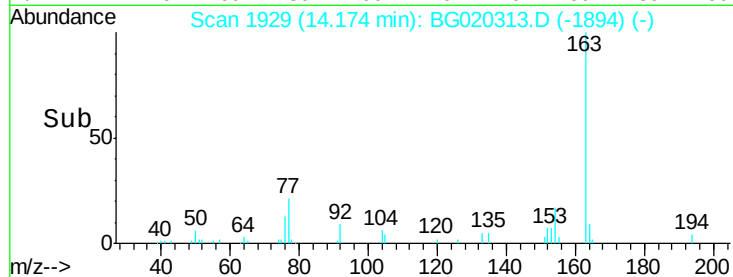
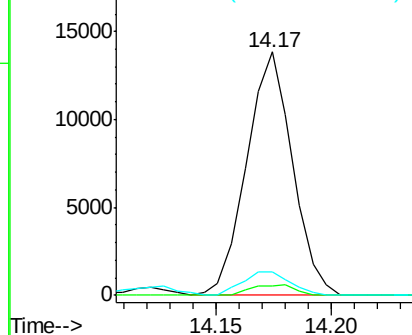
Tot Ion:	163	Resp:	19140
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.5	5.3
164	9.6	7.7	11.5

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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: 14.21 ng/ul

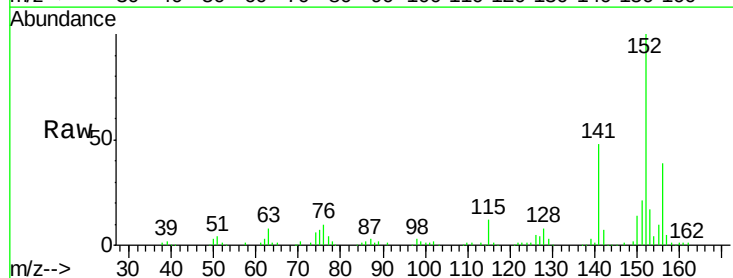
RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

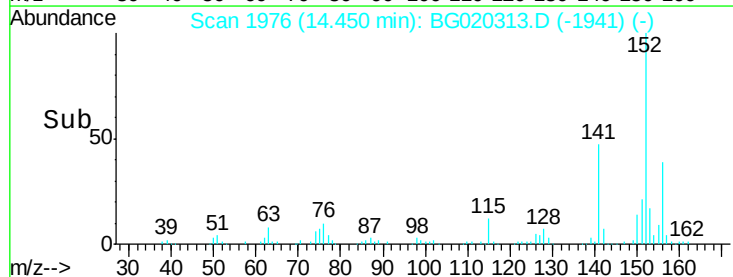
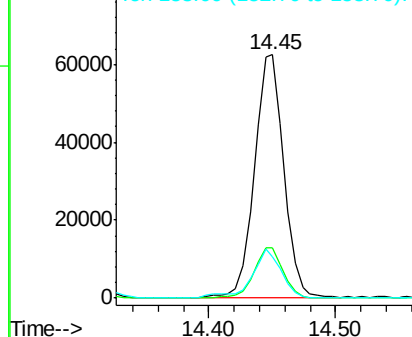
Lab File: BG020313.D

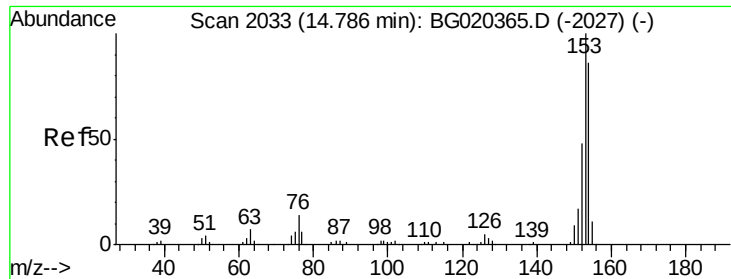
Acq: 19 Dec 2015 15:53

Tgt Ion:	152	Resp:	101115
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.4	24.6
153	17.2	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: 383.06 ng/ul

RT: 14.81 min Scan# 2037

Delta R.T. 0.02 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

Instrument :

BNA_G

ClientSampleId :

D9N70

Tot Ion:153 Resp: 1834239

Ion Ratio Lower Upper

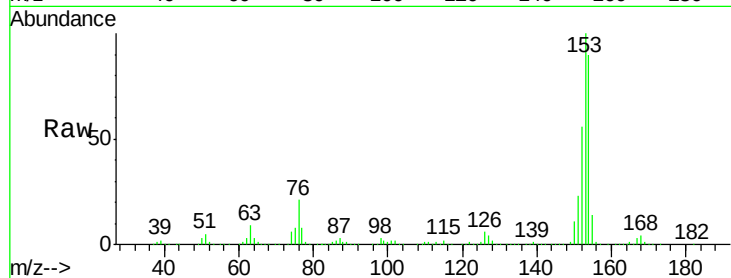
153 100

152 56.4 37.6 56.4

154 90.1 67.9 101.9

Manual Integrations
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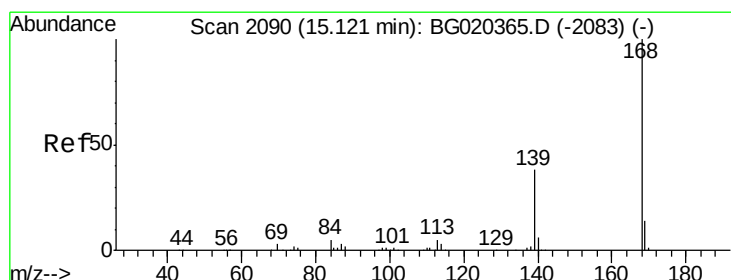
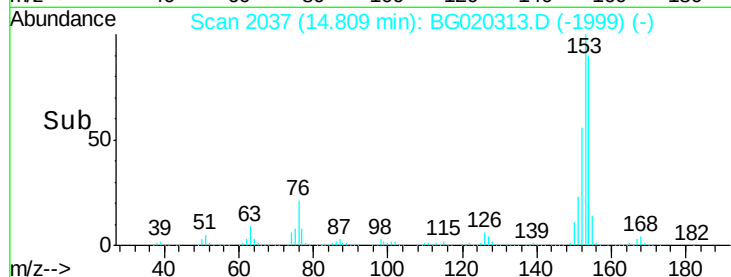
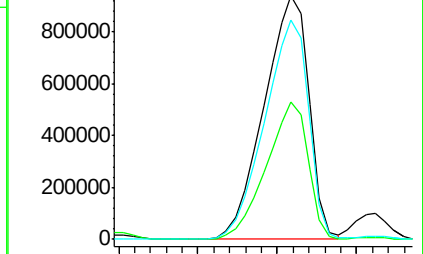
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 257.45 ng/ul

RT: 15.14 min Scan# 2093

Delta R.T. 0.02 min

Lab File: BG020313.D

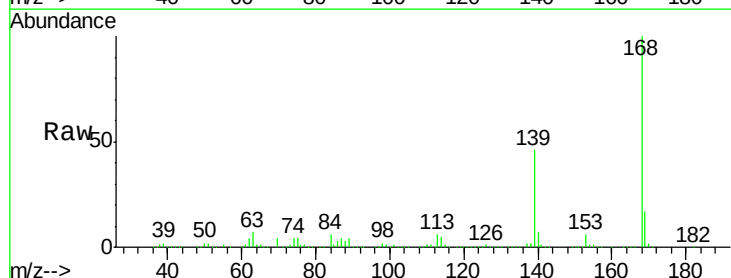
Acq: 19 Dec 2015 15:53

Tgt Ion:168 Resp: 1833877

Ion Ratio Lower Upper

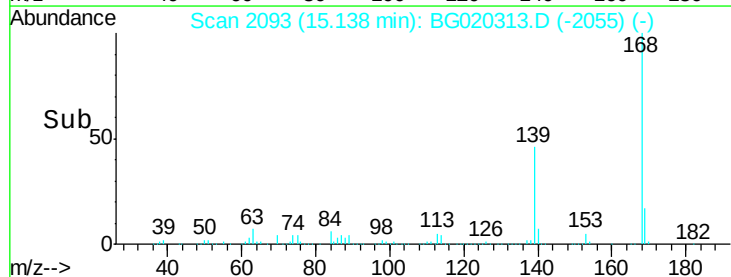
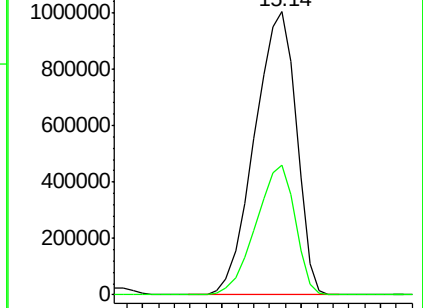
168 100

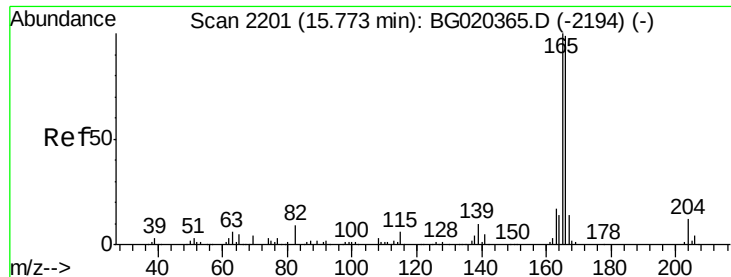
139 45.8 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





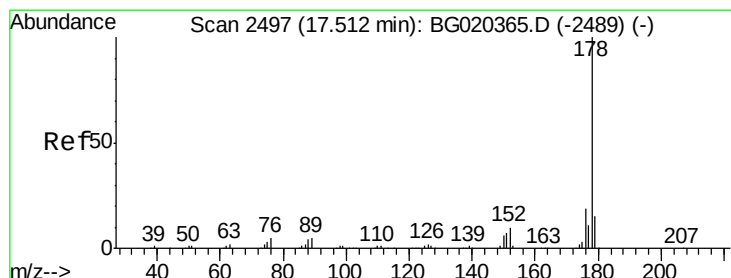
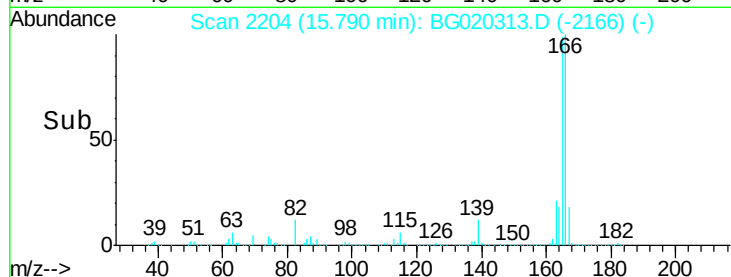
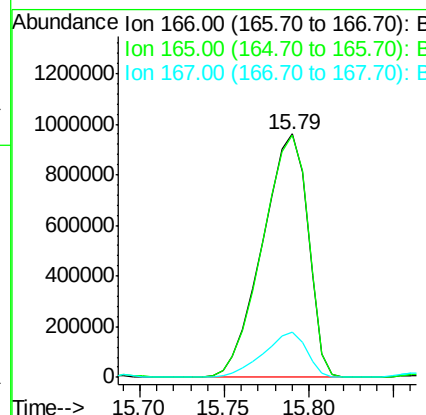
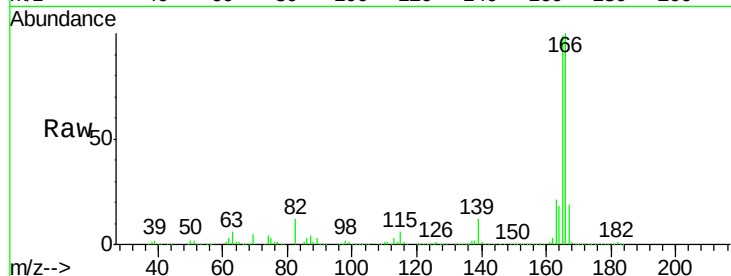
#59
 Fluorene
 Concen: 312.93 ng/ul
 RT: 15.79 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: BG020313.D
 Acq: 19 Dec 2015 15:53

Instrument :
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 D9N70

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.4	122.0
167	18.5	11.2	16.8

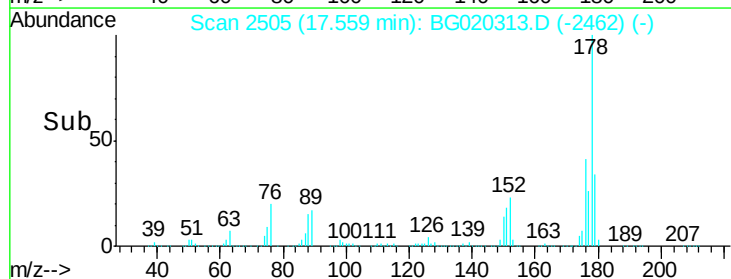
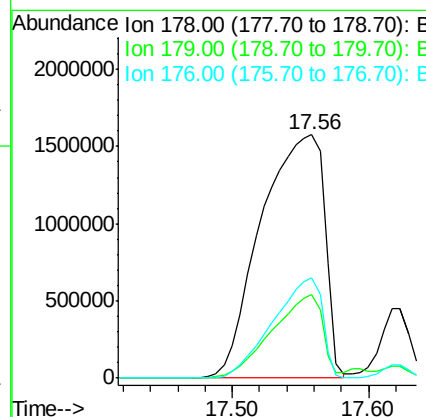
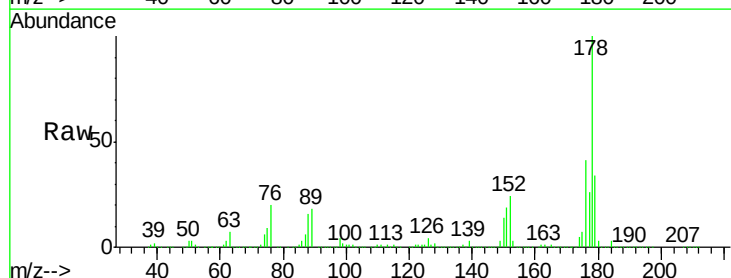
Manual Integrations
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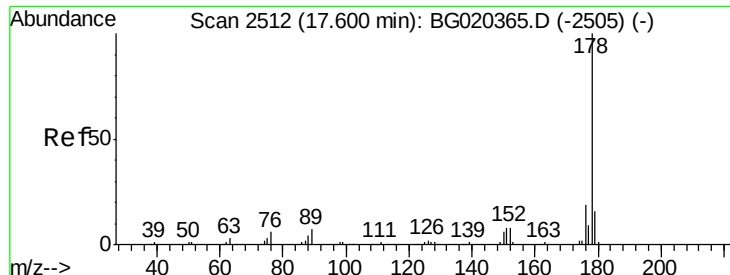
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#70
 Phenanthrene
 Concen: 580.81 ng/ul m
 RT: 17.56 min Scan# 2505
 Delta R.T. 0.05 min
 Lab File: BG020313.D
 Acq: 19 Dec 2015 15:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	34.3	12.9	19.3
176	41.1	15.3	22.9





#72

Anthracene

Concen: 77.19 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BG020313.D

Acq: 19 Dec 2015 15:53

Instrument :

BNA_G

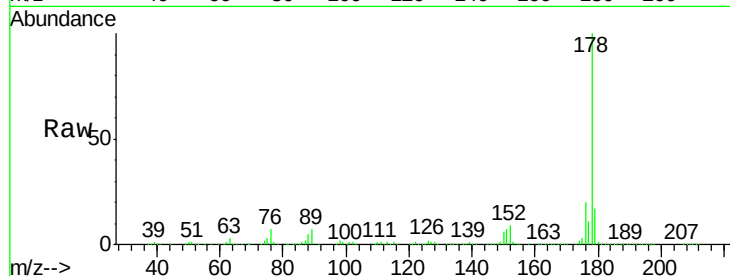
ClientSampleId :

D9N70

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.3	18.5
176	19.6	14.3	21.5

Manual Integrations
APPROVED

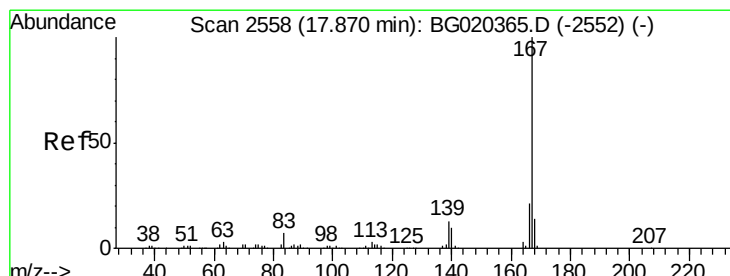
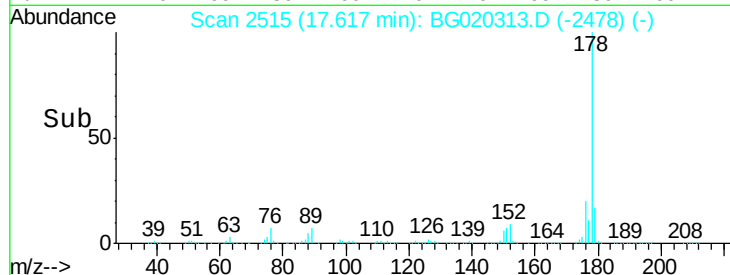
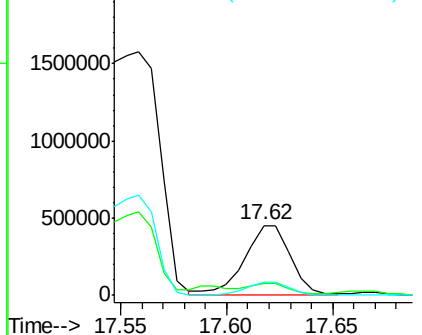
apatel
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 66.19 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BG020313.D

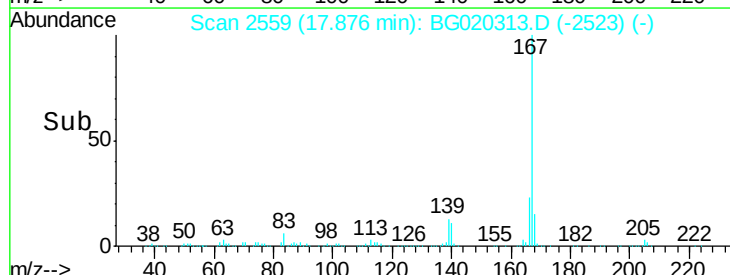
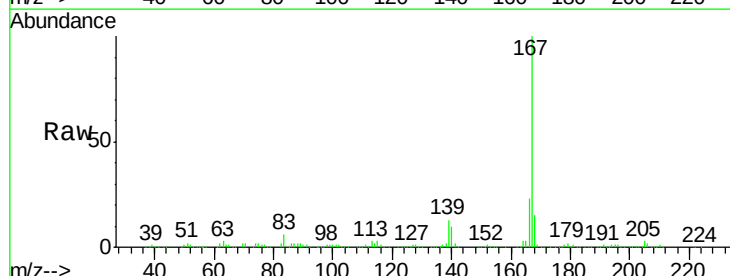
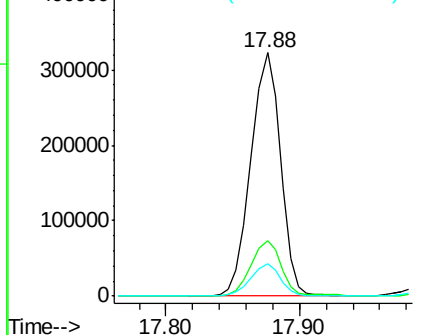
Acq: 19 Dec 2015 15:53

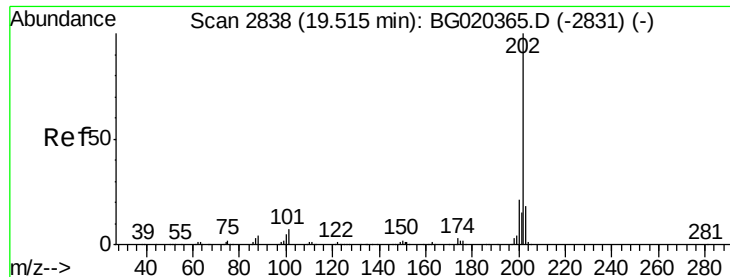
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	13.1	10.1	15.1

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





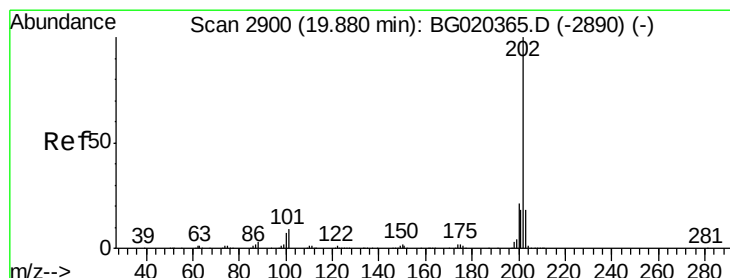
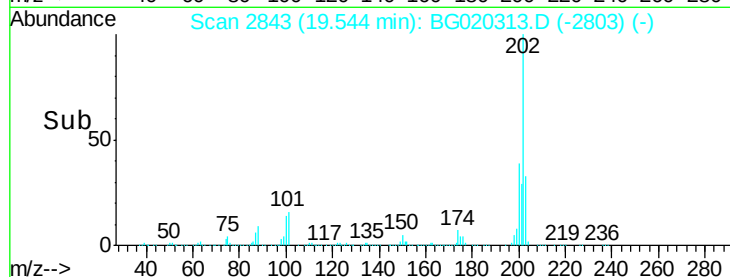
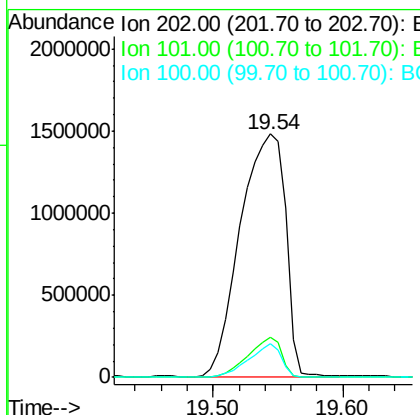
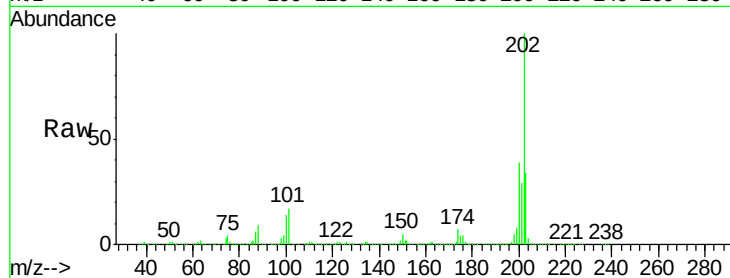
#77
 Fluoranthene
 Concen: 354.08 ng/ul m
 RT: 19.54 min Scan# 2843
 Delta R.T. 0.03 min
 Lab File: BG020313.D
 Acq: 19 Dec 2015 15:53

Instrument :
 BNA_G
 ClientSampleId :
 D9N70

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.6	6.2	9.4#
100	13.6	5.1	7.7#

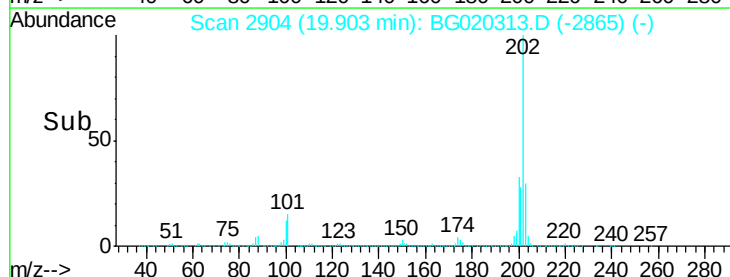
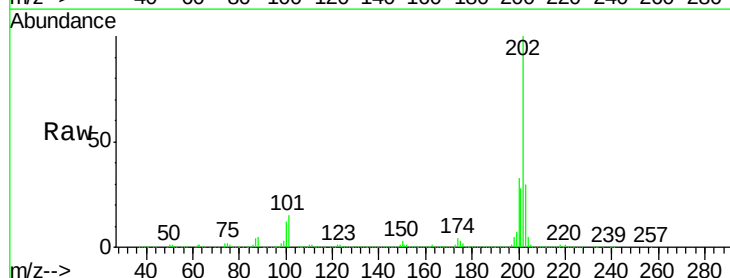
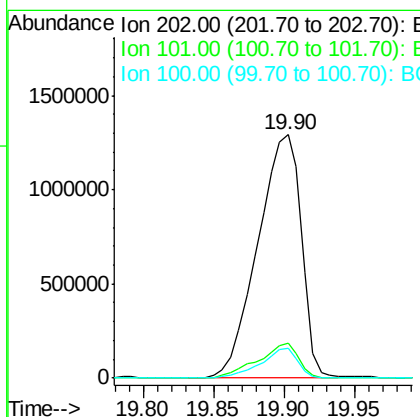
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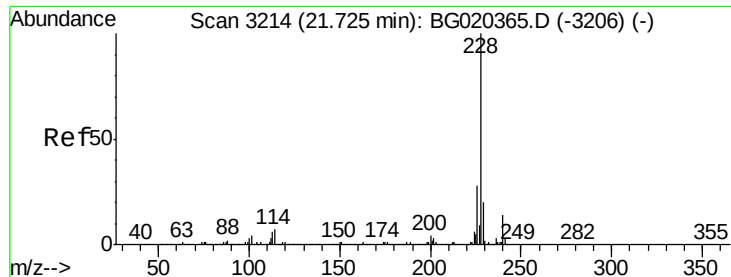
apatel
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#80
 Pyrene
 Concen: 216.40 ng/ul
 RT: 19.90 min Scan# 2904
 Delta R.T. 0.03 min
 Lab File: BG020313.D
 Acq: 19 Dec 2015 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	7.0	10.4#
100	12.2	6.4	9.6#





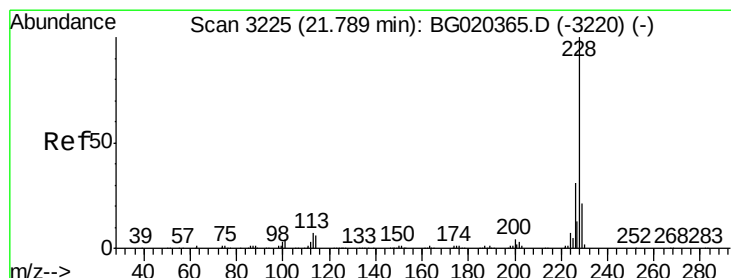
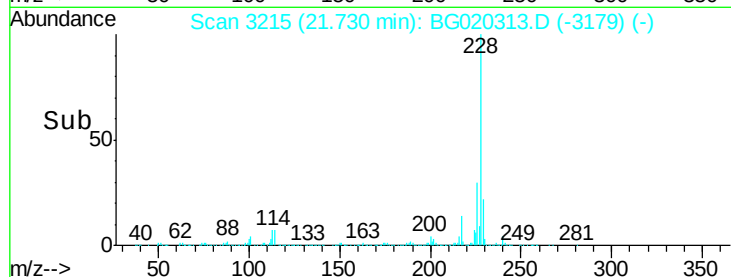
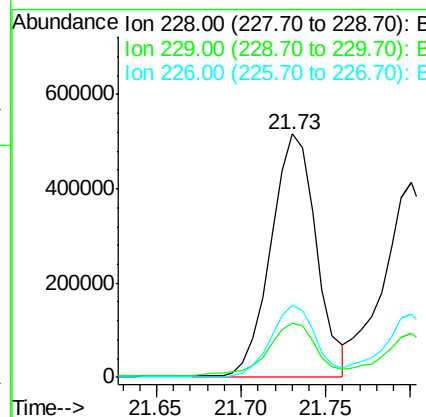
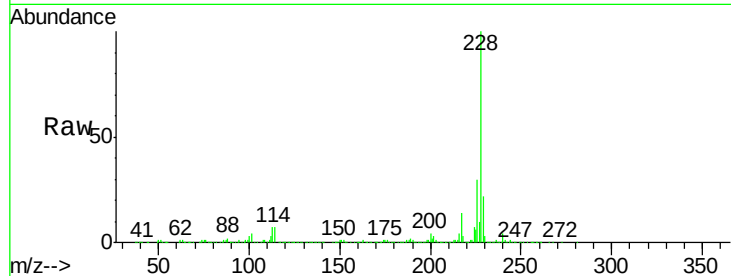
#83
Benzo(a)anthracene
Concen: 77.38 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.8	23.8
226	29.7	21.8	32.6

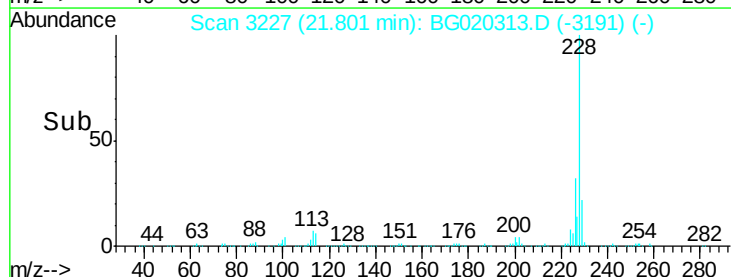
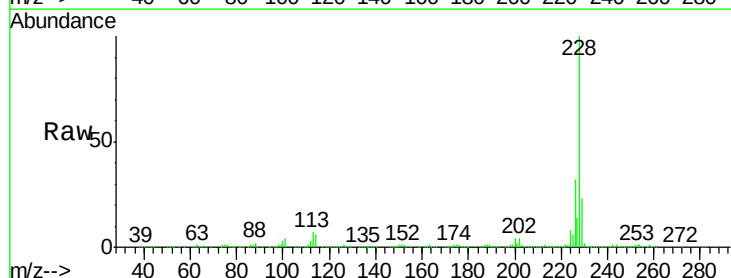
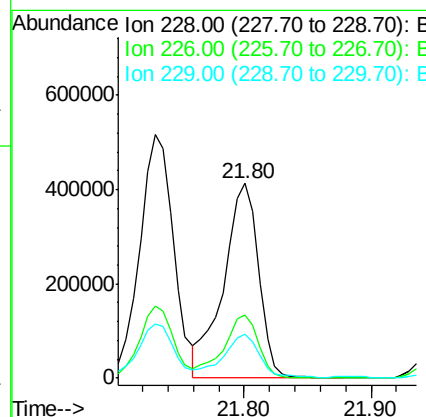
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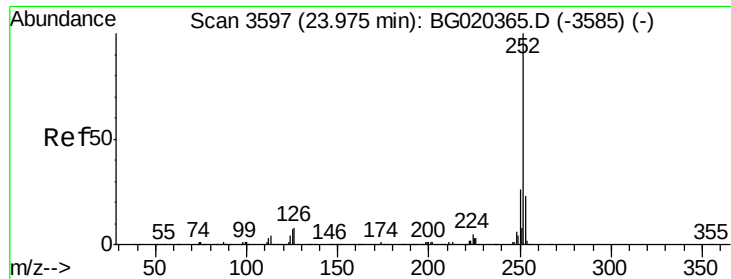
apatel
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#85
Chrysene
Concen: 67.10 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	22.6	15.6	23.4





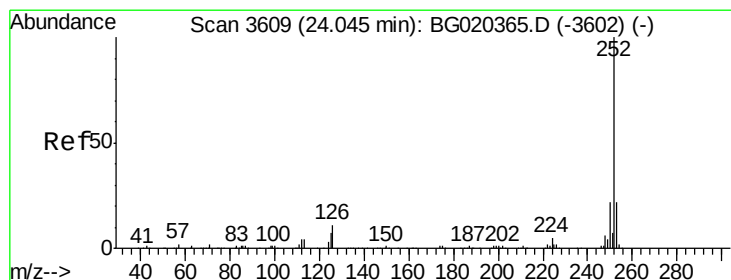
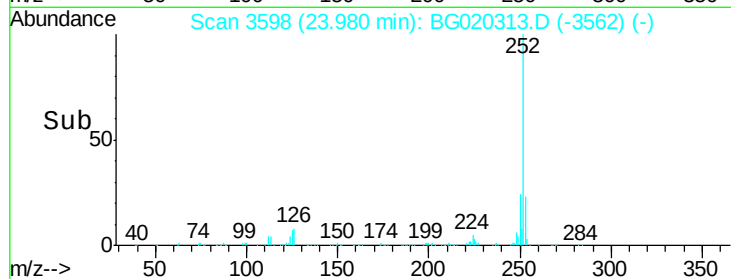
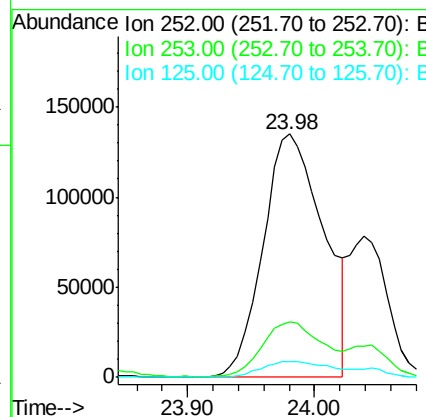
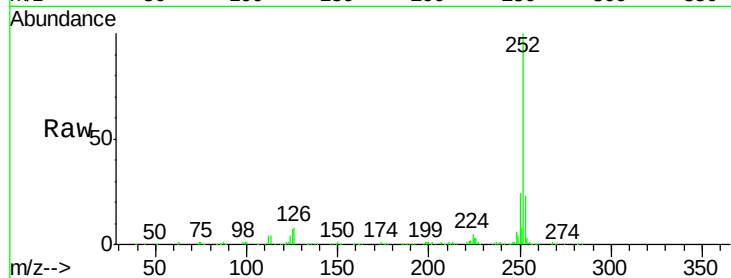
#88
Benzo(b)fluoranthene
Concen: 36.69 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.7	25.1
125	6.7	6.2	9.2

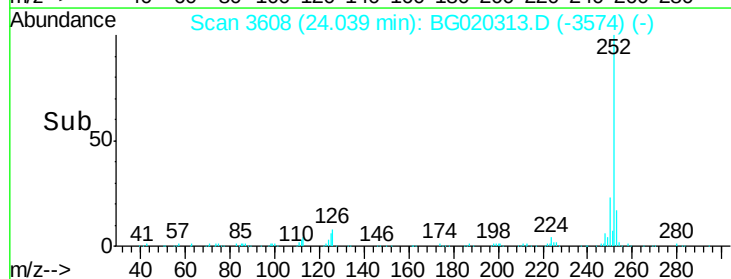
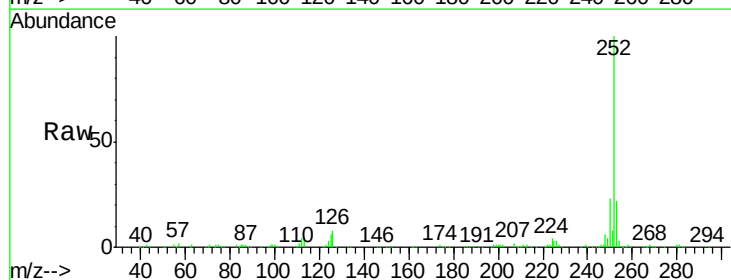
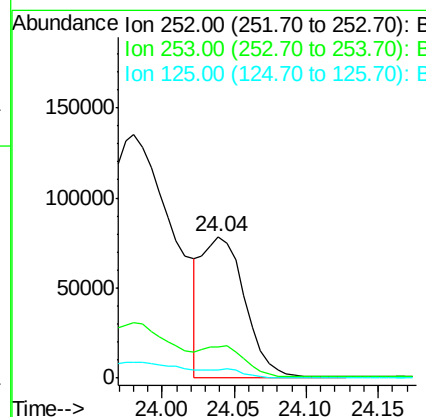
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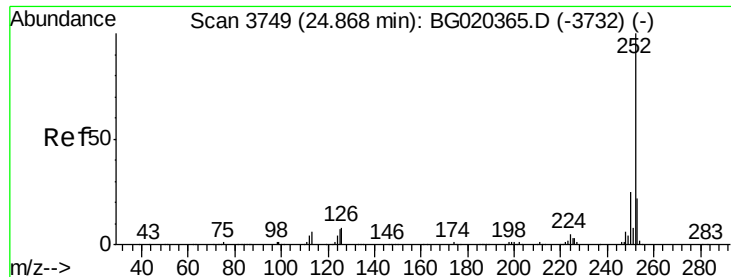
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#89
Benzo(k)fluoranthene
Concen: 14.22 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. -0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

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





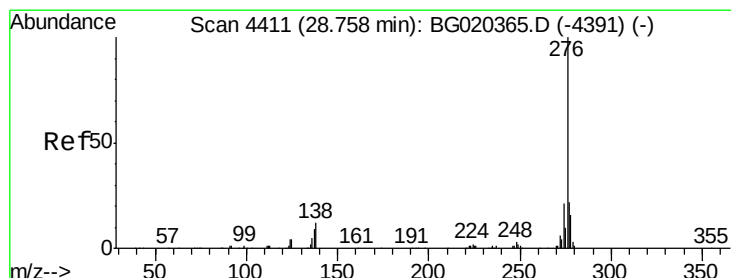
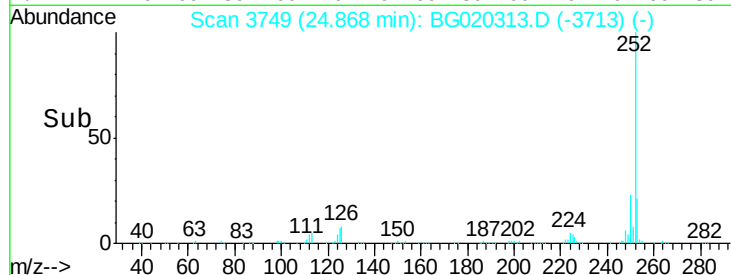
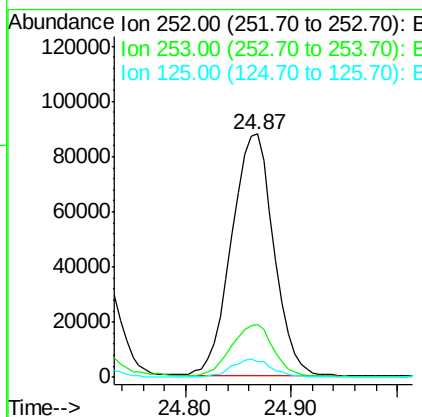
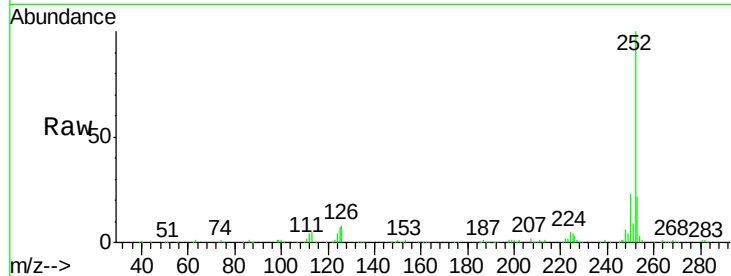
#91
Benzo(a)pyrene
Concen: 20.99 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampled :
D9N70

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	17.0	25.4
125	6.6	6.2	9.4

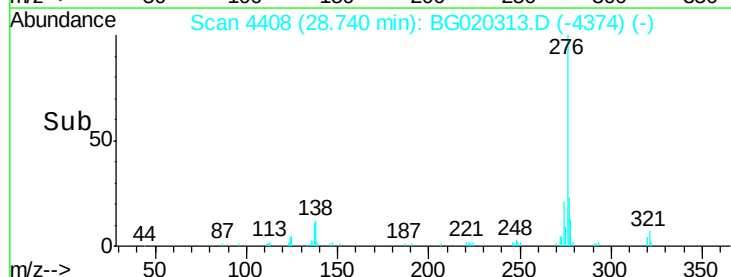
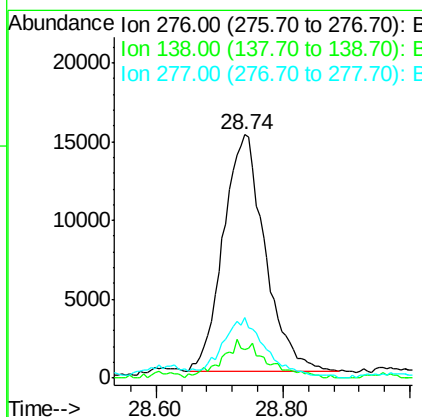
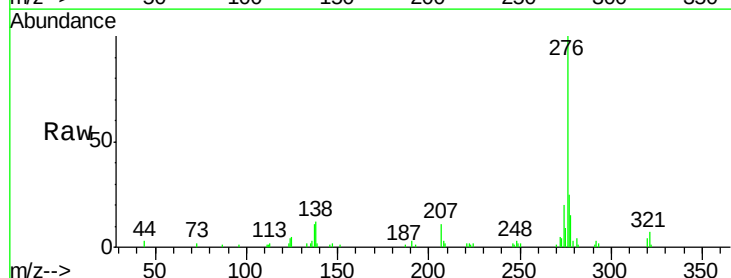
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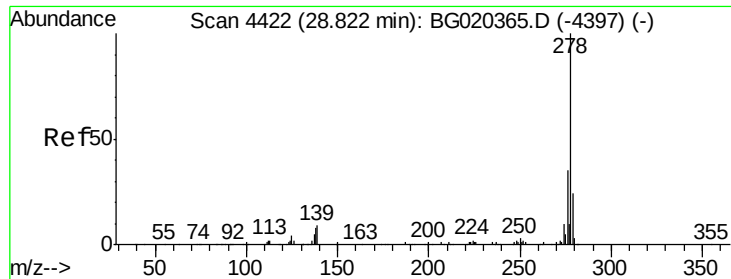
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#92
Indeno(1,2,3-cd)pyrene
Concen: 4.98 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. -0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	11.7	11.4	17.0
277	24.8	17.4	26.0





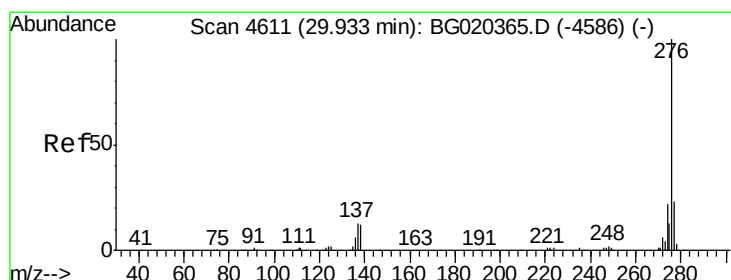
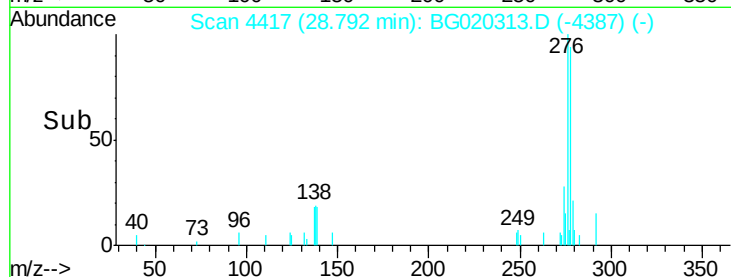
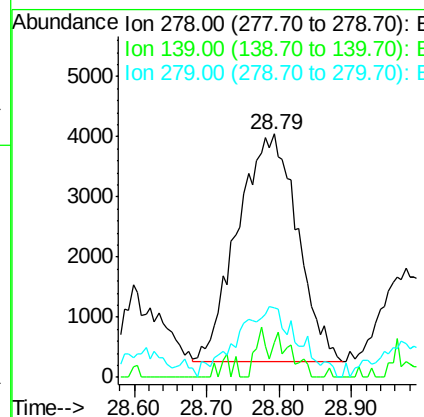
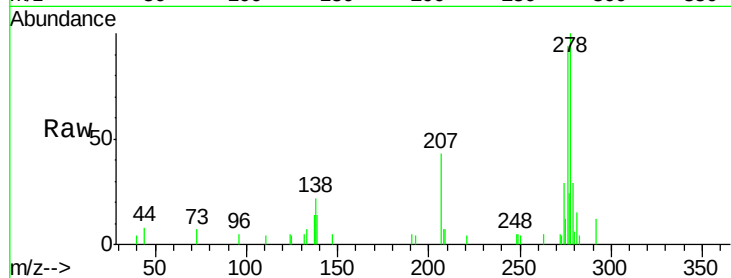
#93
Dibenzo(a,h)anthracene
Concen: 1.90 ng/ul
RT: 28.79 min Scan# 4417
Delta R.T. -0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	9.4	14.2#
279	28.6	19.4	29.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 4.33 ng/ul m
RT: 29.91 min Scan# 4607
Delta R.T. -0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	22.7	19.9	29.9

