

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
 Data File : BG020367.D
 Acq On : 21 Dec 2015 7:04
 Operator : UM/SJ
 Sample : G4848-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Manual Integrations
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 12/22/2015 4:48:15 PM

Quant Time: Dec 22 09:53:44 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21576	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	92286	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	66107	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	149398	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	188594	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	179443	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1208	3.09	ng/uL	0.00
5) Phenol-d5	7.25	99	33981	17.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	22882	20.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	28306	20.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	29909	18.38	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15803	21.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17937	22.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	31764	19.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	41177	22.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	109211	20.42	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	130502	20.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13587	14.17	ng/ul	0.00
58) Fluorene-d10	15.72	176	99645	20.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	12458	14.07	ng/ul	0.01
71) Anthracene-d10	17.58	188	150211	21.82	ng/ul	0.00
79) Pyrene-d10	19.85	212	178988	20.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	201063	22.46	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.97	128	1626943	337.59	ng/ul#	93
34) 2-Methylnaphthalene	12.57	142	578635	157.19	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	270161	54.17	ng/ul	97
45) Dimethylphthalate	14.17	163	34471	6.31	ng/ul#	98
48) Acenaphthylene	14.45	152	60630	9.17	ng/ul#	94
50) Acenaphthene	14.80	153	1120278	251.92	ng/ul	96
54) Dibenzofuran	15.13	168	1134379	171.48	ng/ul	94
59) Fluorene	15.78	166	1049590	197.58	ng/ul	99
70) Phenanthrene	17.54	178	3611718m	441.97	ng/ul	
72) Anthracene	17.61	178	352964	42.59	ng/ul	98
75) Carbazole	17.87	167	225123	32.33	ng/ul	100
77) Fluoranthene	19.54	202	2554106	267.43	ng/ul#	88
80) Pyrene	19.89	202	1963660	172.03	ng/ul#	94
83) Benzo(a)anthracene	21.73	228	568777	51.69	ng/ul	97
85) Chrysene	21.79	228	443343	42.78	ng/ul	98
88) Benzo(b)fluoranthene	23.98	252	278568	25.79	ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	104030m	10.04	ng/ul	
91) Benzo(a)pyrene	24.86	252	158625	15.49	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.75	276	43305	3.55	ng/ul	97
93) Dibenzo(a,h)anthracene	28.79	278	12268	1.21	ng/ul	99
94) Benzo(a,h,i)perylene	29.91	276	32604	3.26	ng/ul#	93

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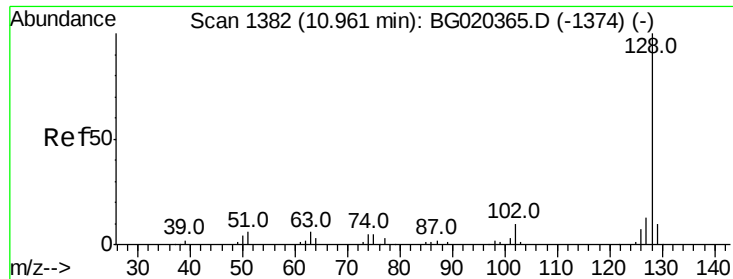
Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#28

Naphthalene

Concen: 337.59 ng/ul

RT: 10.97 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Instrument :

BNA_G

ClientSampleId :

D9N61

Tot Ion:128 Resp: 1626943

Ion Ratio Lower Upper

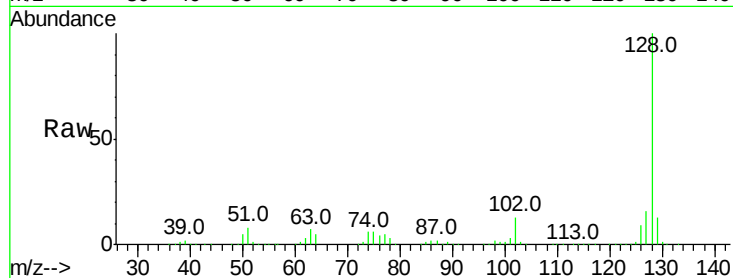
128 100

129 13.1 8.6 12.8#

127 15.9 10.1 15.1#

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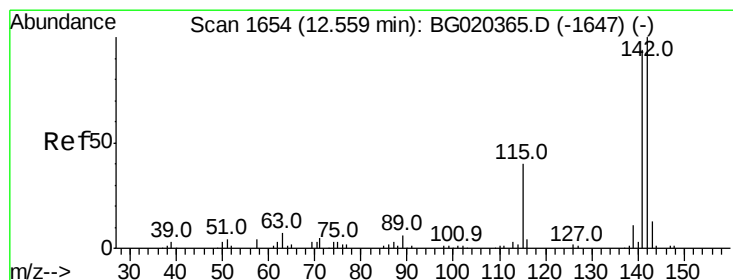
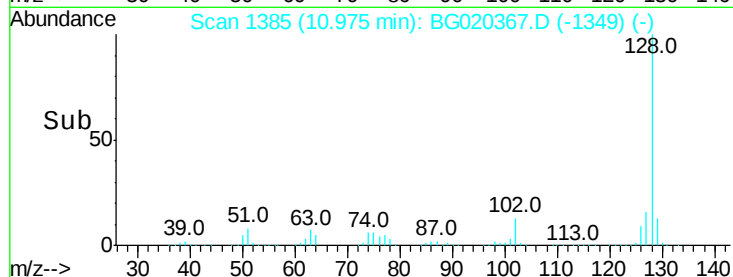
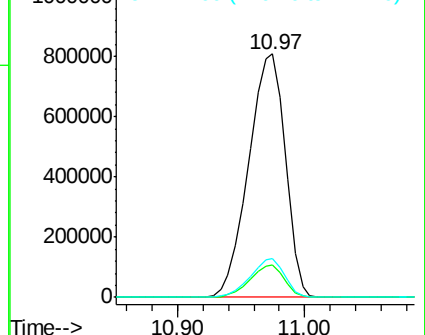
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 157.19 ng/ul

RT: 12.57 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BG020367.D

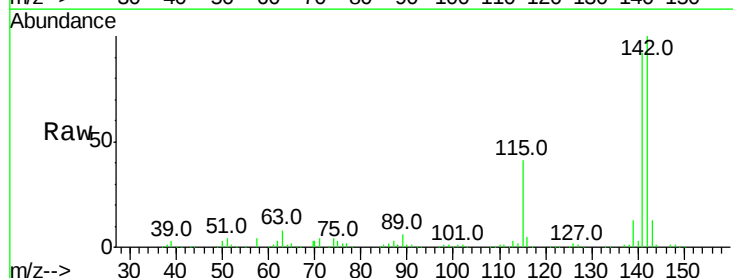
Acq: 21 Dec 2015 7:04

Tgt Ion:142 Resp: 578635

Ion Ratio Lower Upper

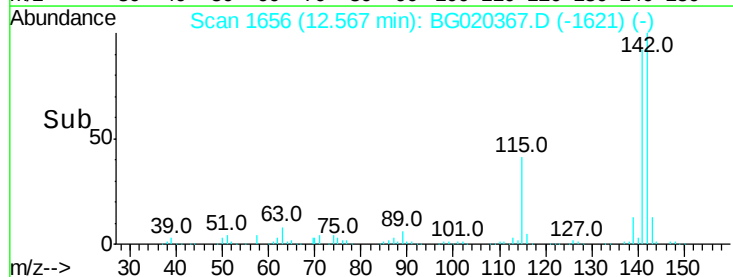
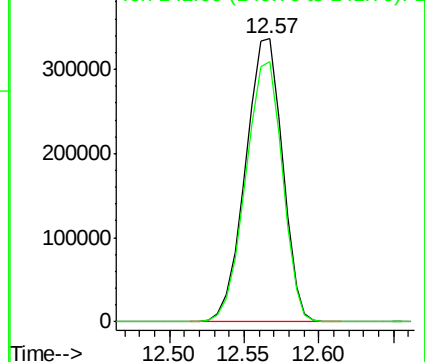
142 100

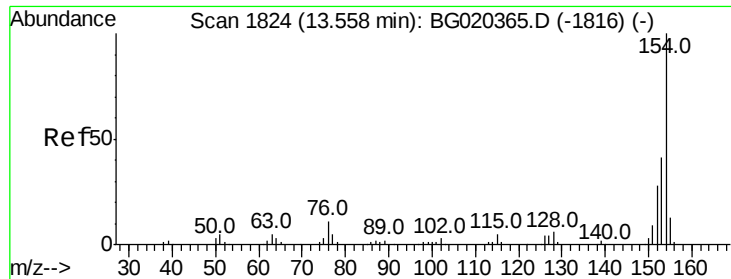
141 92.0 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





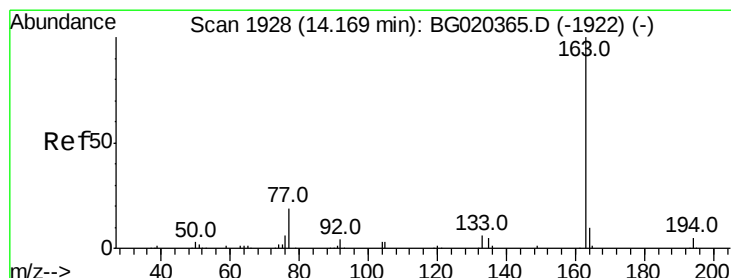
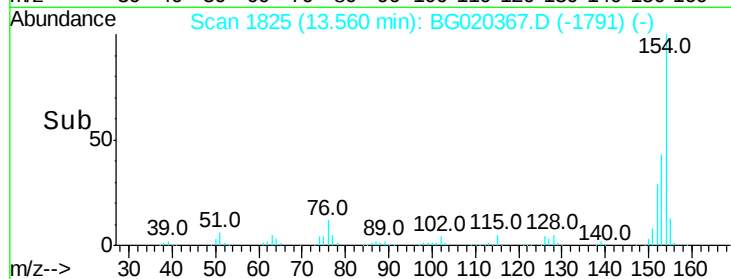
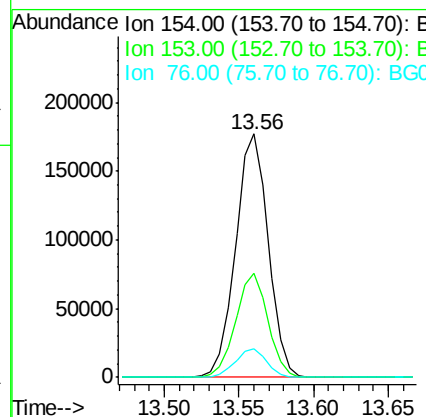
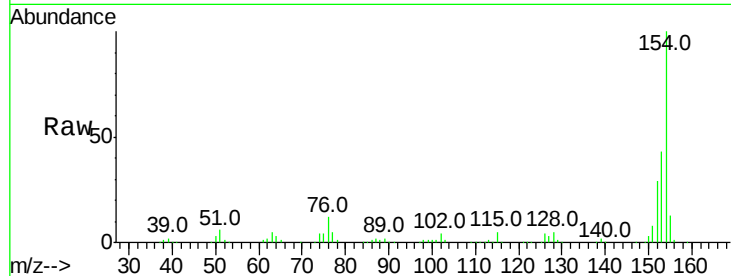
#41
 1,1'-Biphenyl
 Concen: 54.17 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tot Ion:	154	Resp:	270161
Ion Ratio	Lower	Upper	
154	100		
153	42.6	35.5	53.3
76	11.5	10.4	15.6

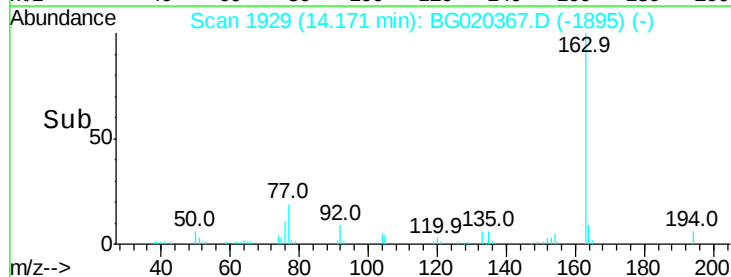
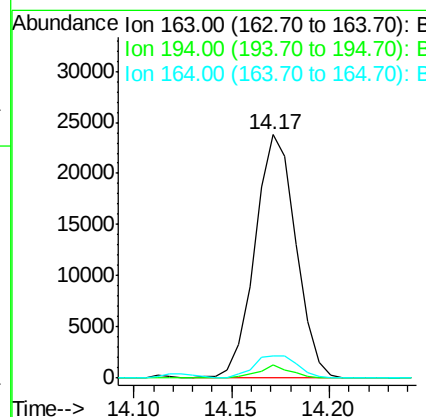
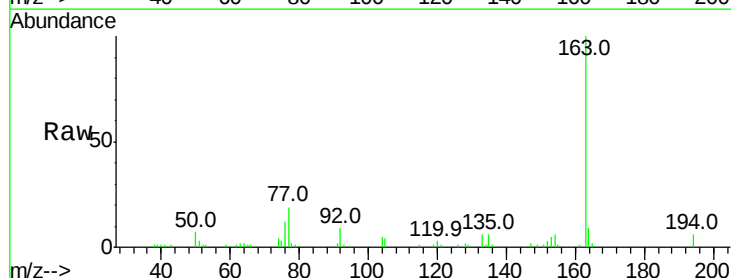
Manual Integrations
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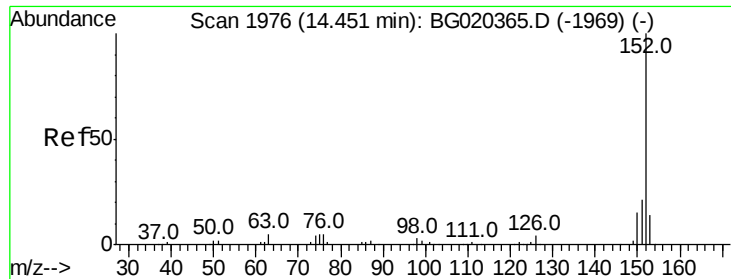
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#45
 Dimethylphthalate
 Concen: 6.31 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Tgt Ion:	163	Resp:	34471
Ion Ratio	Lower	Upper	
163	100		
194	5.5	3.5	5.3#
164	9.3	7.7	11.5





#48

Acenaphthylene

Concen: 9.17 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Instrument :

BNA_G

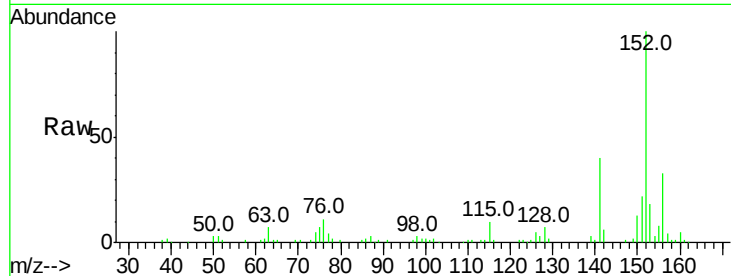
ClientSampleId :

D9N61

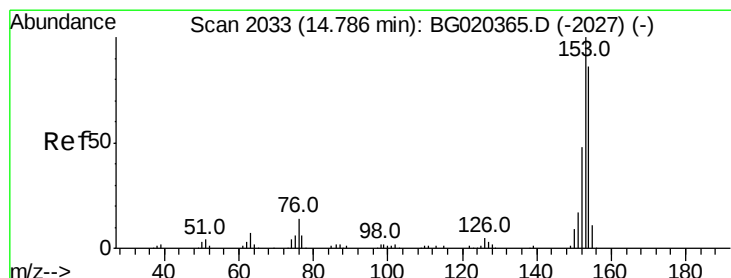
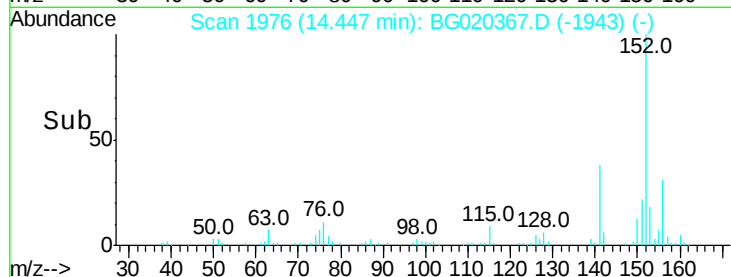
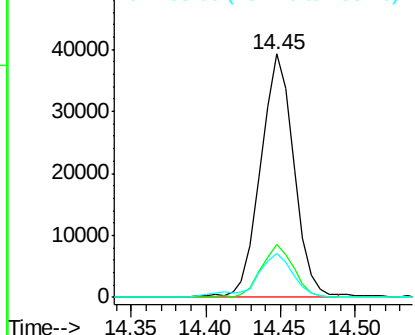
Tot Ion	Ratio	Resp	Lower	Upper
152	100	60630		
151	21.6		16.4	24.6
153	18.0		10.4	15.6

Manual Integrations
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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: 251.92 ng/ul

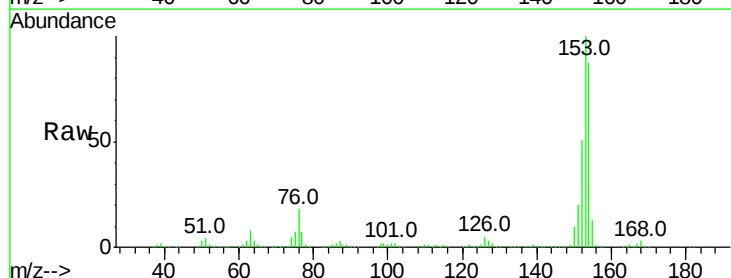
RT: 14.80 min Scan# 2036

Delta R.T. 0.01 min

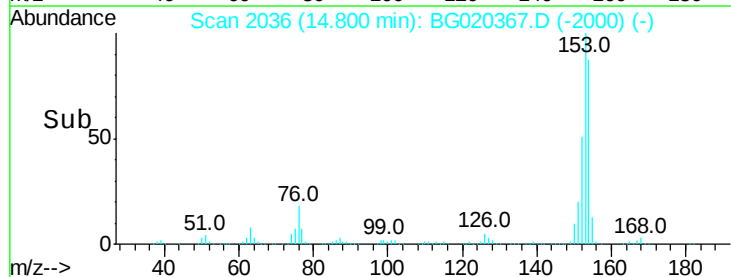
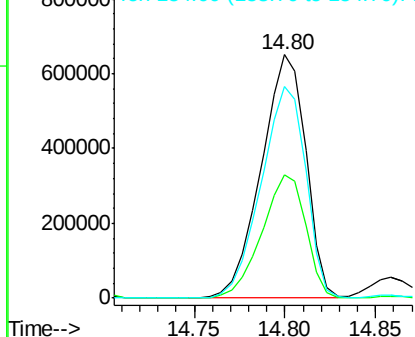
Lab File: BG020367.D

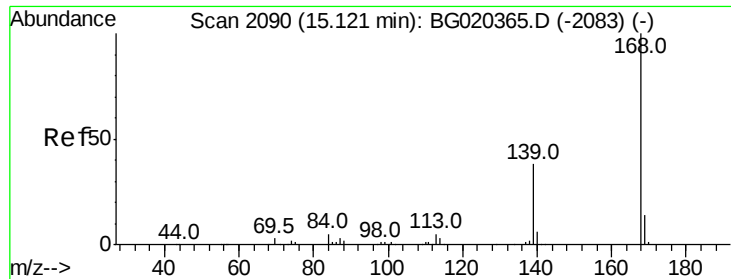
Acq: 21 Dec 2015 7:04

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	1120278		
152	50.8		37.6	56.4
154	87.1		67.9	101.9



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

Dibenzenofuran

Concen: 171.48 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Instrument :

BNA_G

ClientSampleId :

D9N61

Tot Ion:168 Resp: 1134379

Ion Ratio Lower Upper

168 100

139 41.9

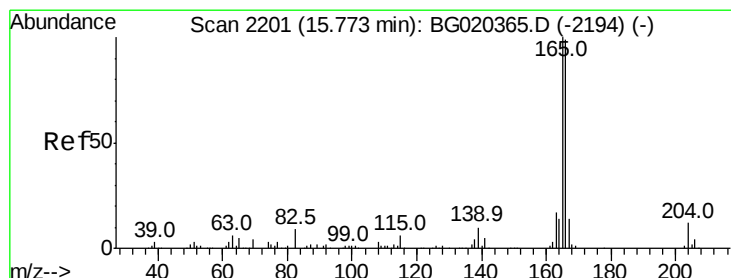
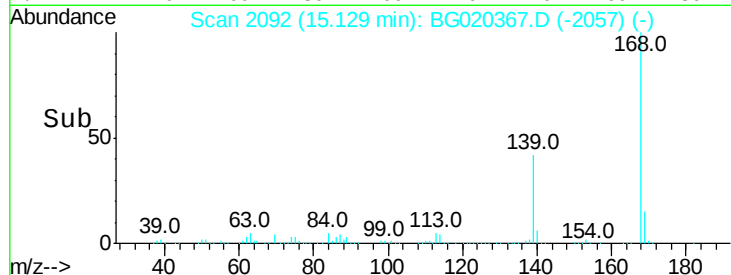
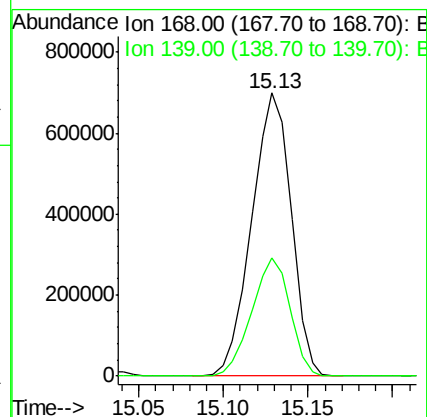
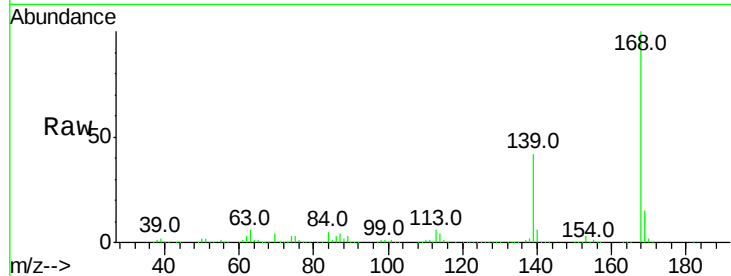
30.5

45.7

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#59

Fluorene

Concen: 197.58 ng/ul

RT: 15.78 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Tgt Ion:166 Resp: 1049590

Ion Ratio Lower Upper

166 100

165 101.1

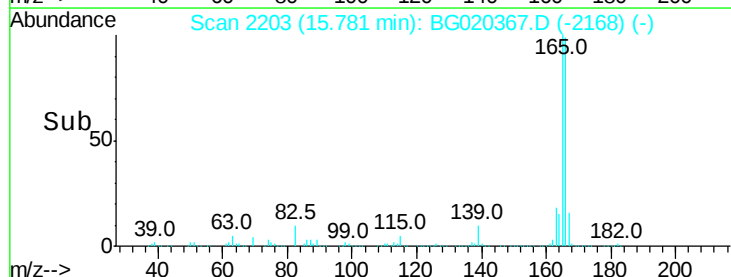
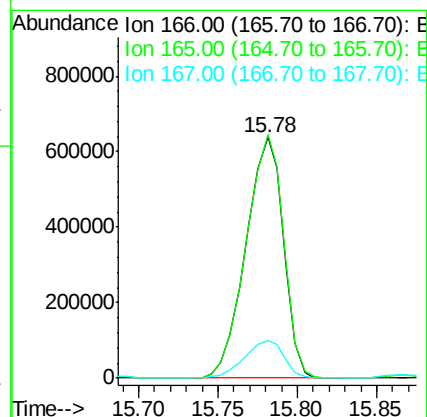
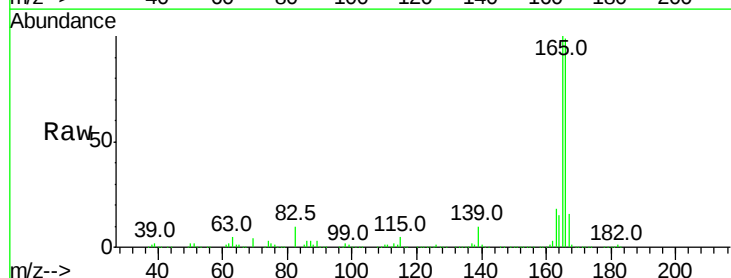
81.4

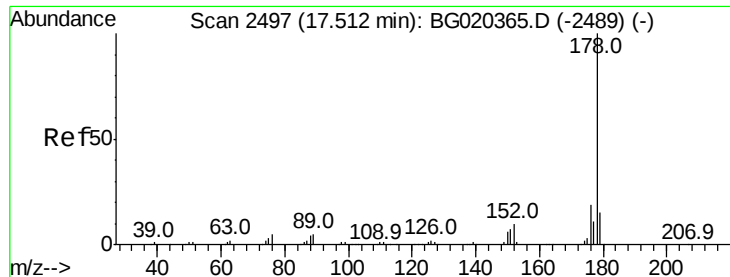
122.0

167 15.8

11.2

16.8





#70

Phenanthrene

Concen: 441.97 ng/ul m

RT: 17.54 min Scan# 2503

Delta R.T. 0.03 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Instrument :

BNA_G

ClientSampleId :

D9N61

Tot Ion:178 Resp: 3611718

Ion Ratio Lower Upper

178 100

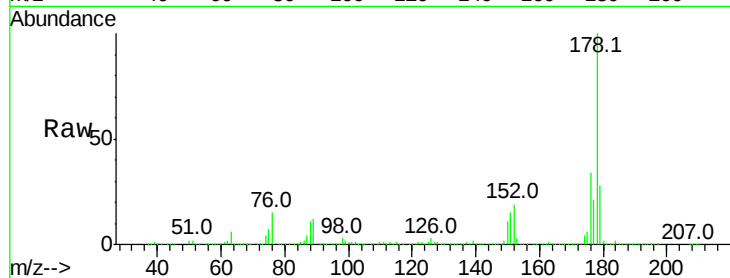
179 28.2 12.9 19.3#

176 34.2 15.3 22.9#

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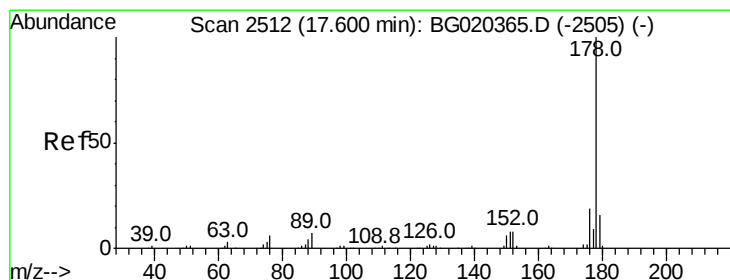
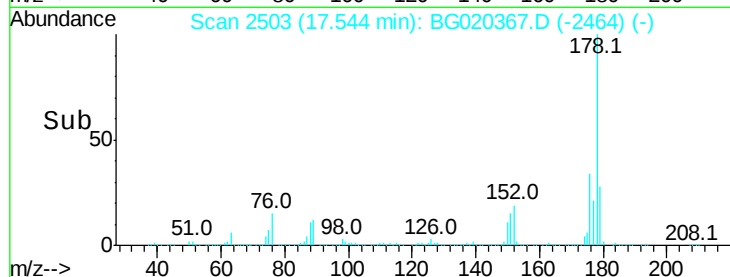
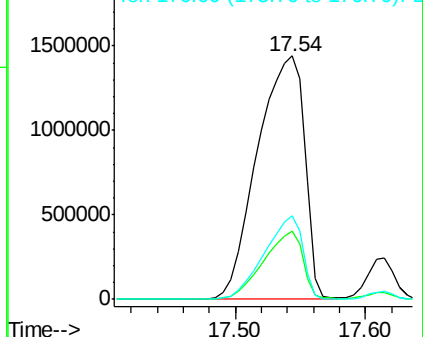
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 42.59 ng/ul

RT: 17.61 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BG020367.D

Acq: 21 Dec 2015 7:04

Tgt Ion:178 Resp: 352964

Ion Ratio Lower Upper

178 100

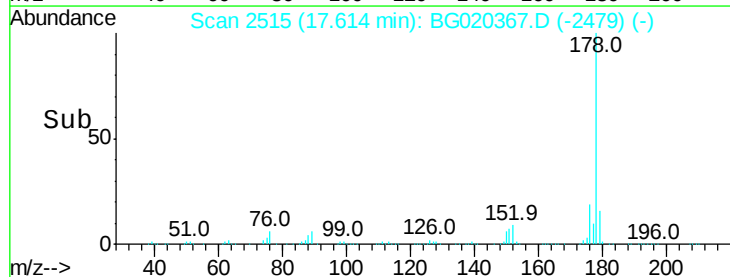
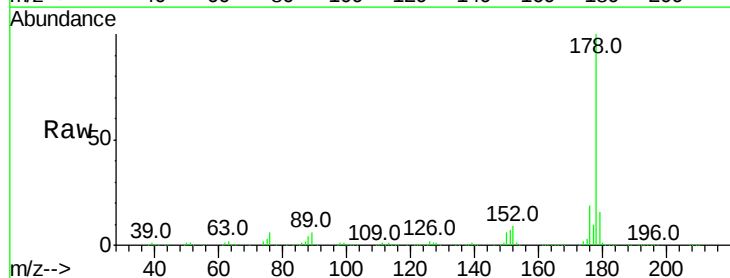
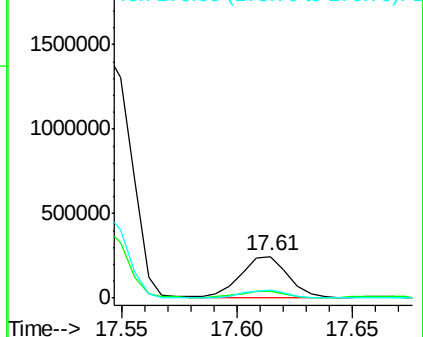
179 16.0 12.3 18.5

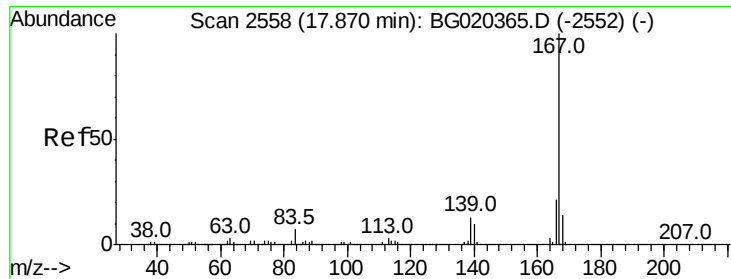
176 19.0 14.3 21.5

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





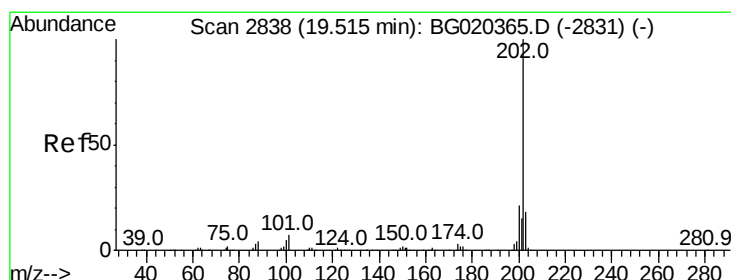
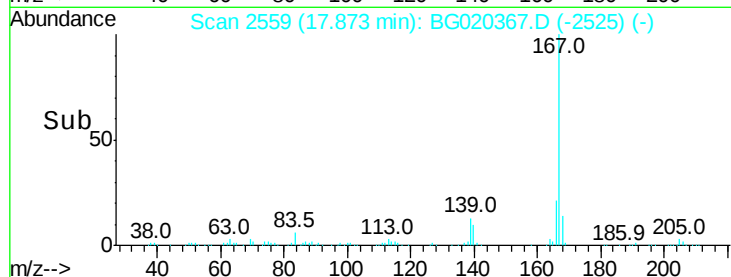
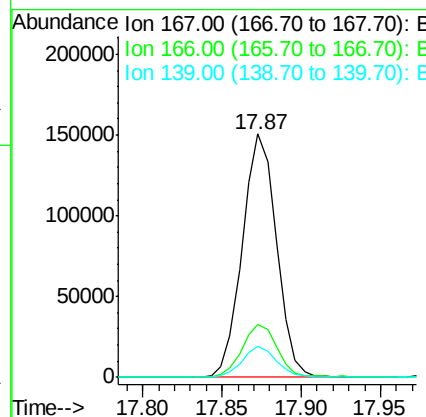
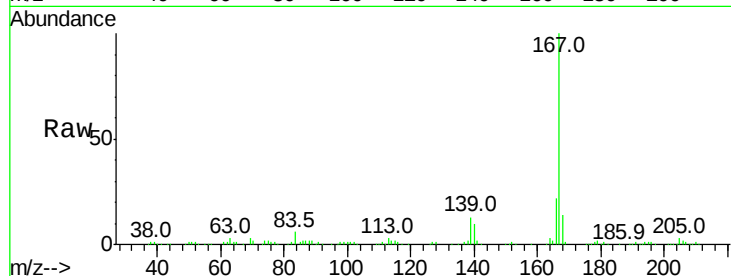
#75
 Carbazole
 Concen: 32.33 ng/ul
 RT: 17.87 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	21.6	17.0	25.6
139	12.7	10.1	15.1

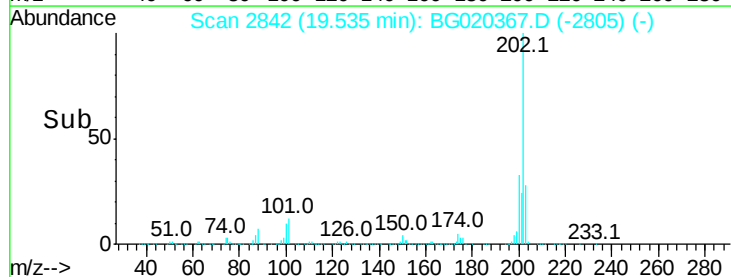
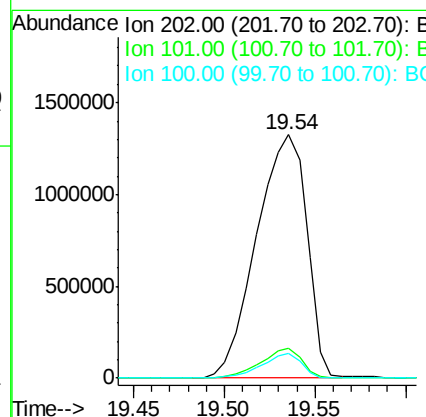
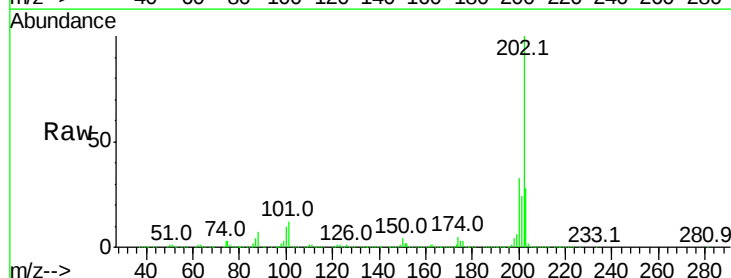
Manual Integrations
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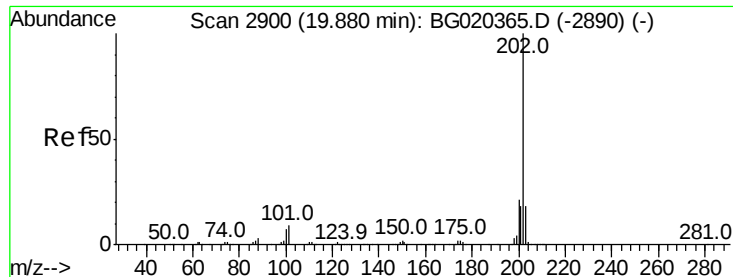
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#77
 Fluoranthene
 Concen: 267.43 ng/ul
 RT: 19.54 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	6.2	9.4#
100	10.1	5.1	7.7#





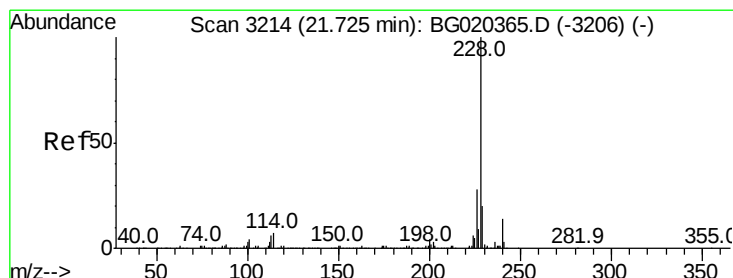
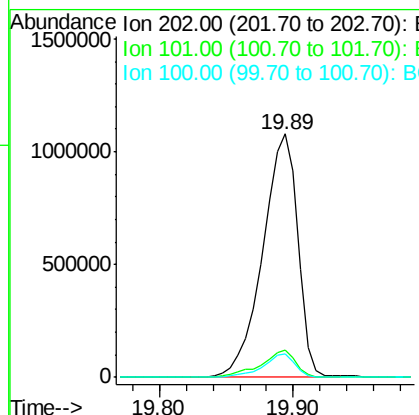
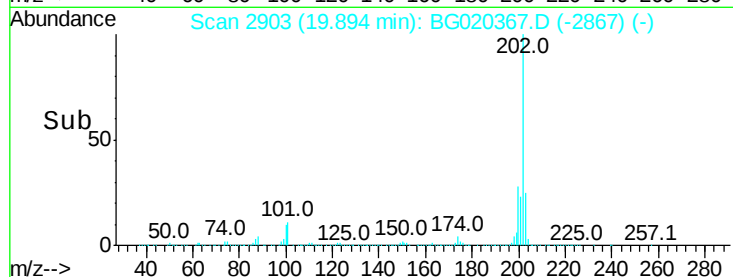
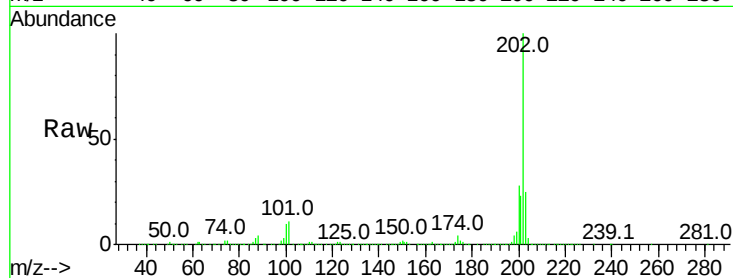
#80
Pvrene
Concen: 172.03 ng/ul
RT: 19.89 min Scan# 2903
Delta R.T. 0.01 min
Lab File: BG020367.D
Acq: 21 Dec 2015 7:04

Instrument :
BNA_G
ClientSampleId :
D9N61

Tot Ion:	202	Resp:	1963660
Ion Ratio	Lower	Upper	
202	100		
101	11.4	7.0	10.4#
100	9.8	6.4	9.6#

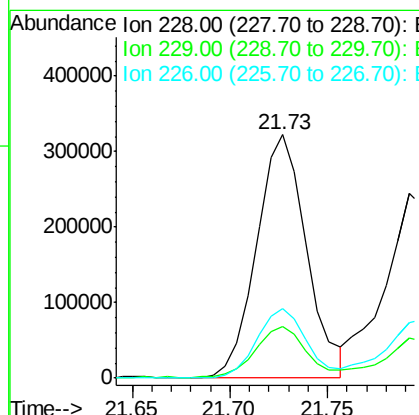
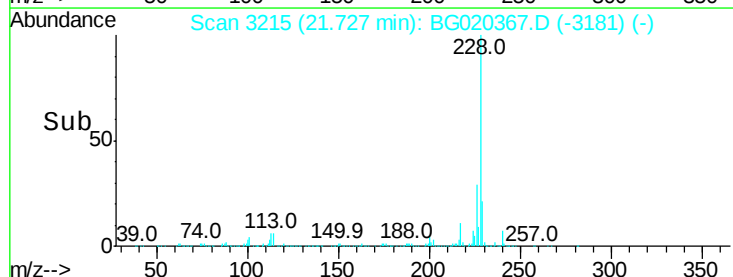
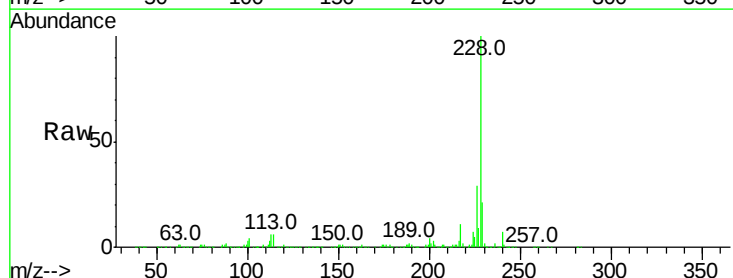
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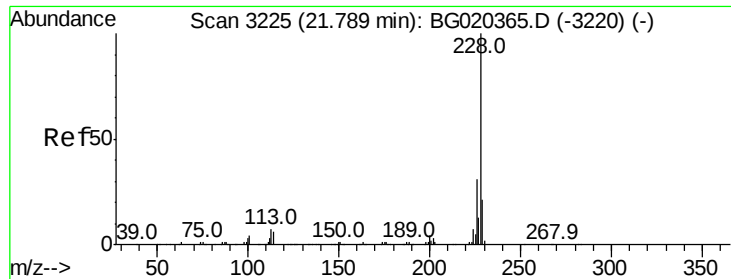
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#83
Benzo(a)anthracene
Concen: 51.69 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BG020367.D
Acq: 21 Dec 2015 7:04

Tgt Ion:	228	Resp:	568777
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.8	23.8
226	28.5	21.8	32.6





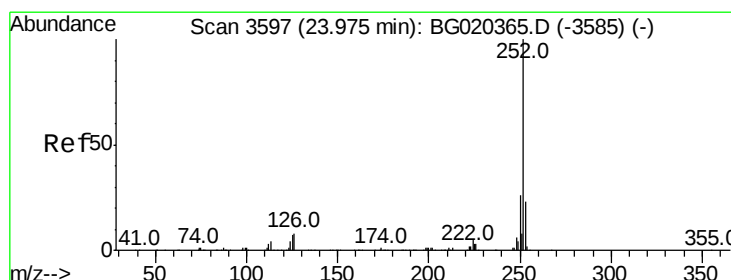
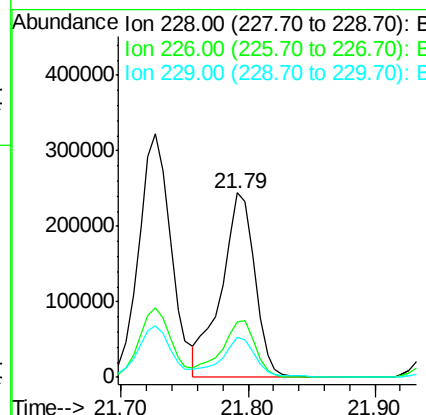
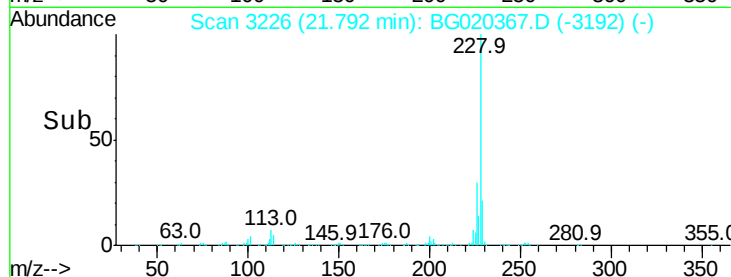
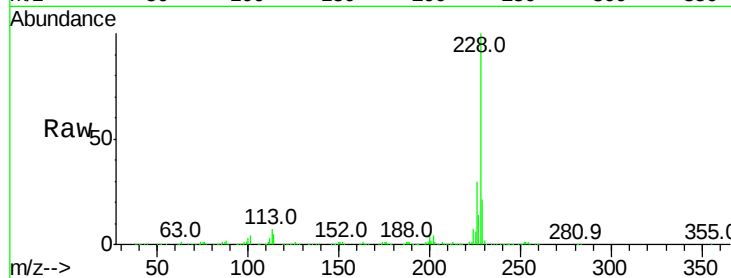
#85
 Chrysene
 Concen: 42.78 ng/ul
 RT: 21.79 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.5	15.6	23.4

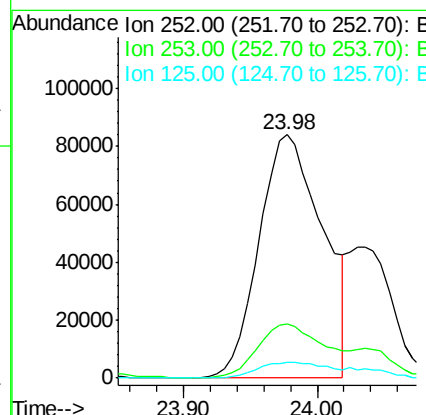
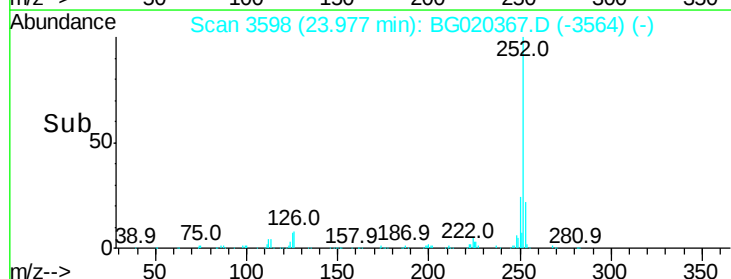
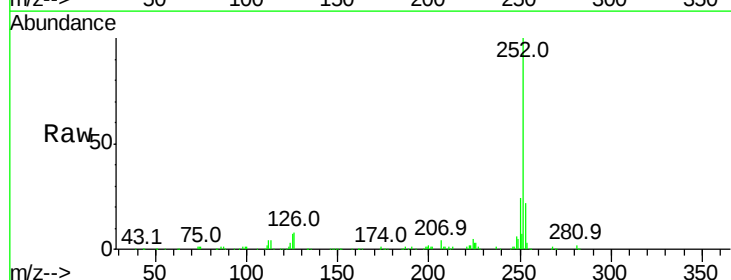
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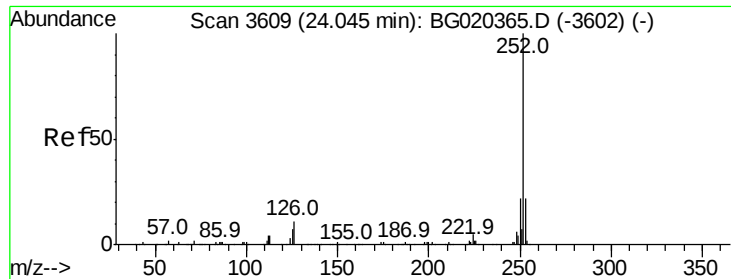
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#88
 Benzo(b)fluoranthene
 Concen: 25.79 ng/ul
 RT: 23.98 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.7	25.1
125	6.5	6.2	9.2





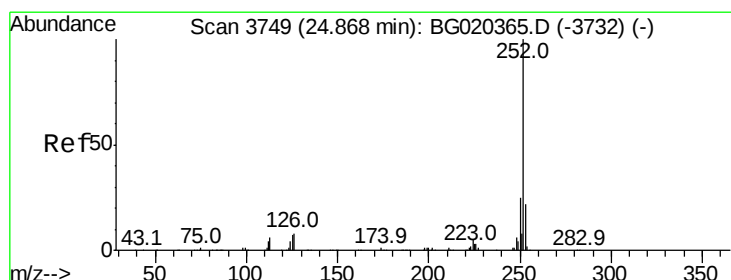
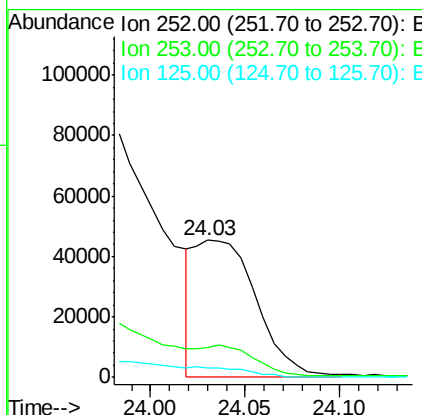
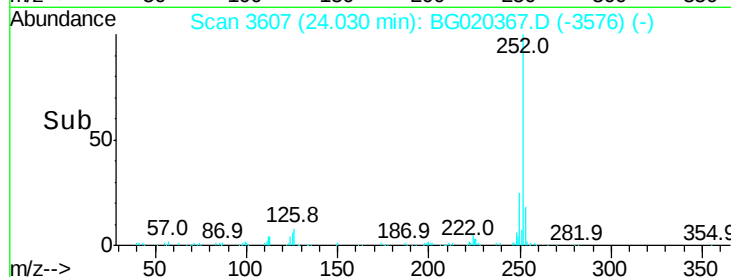
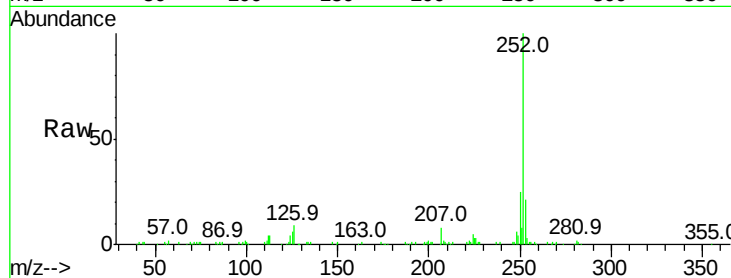
#89
Benzo(k)fluoranthene
Concen: 10.04 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.02 min
Lab File: BG020367.D
Acq: 21 Dec 2015 7:04

Instrument :
BNA_G
ClientSampleId :
D9N61

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	6.4	5.8	8.6

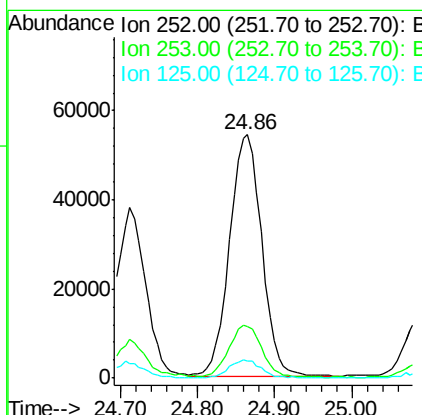
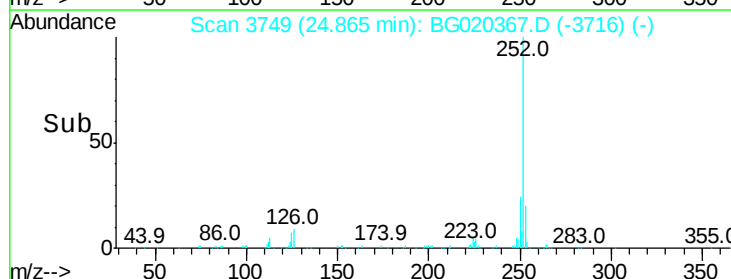
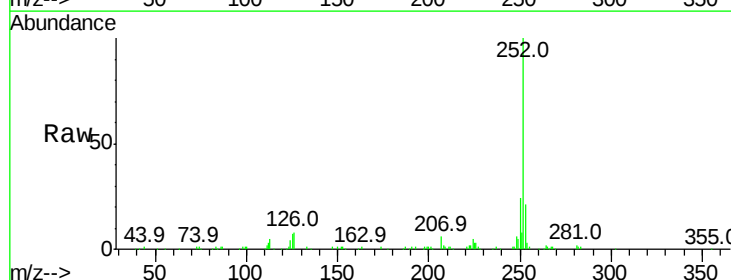
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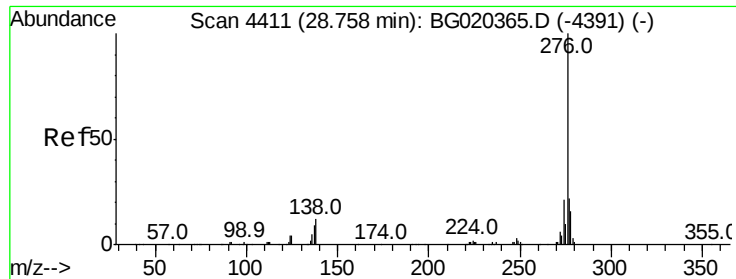
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#91
Benzo(a)pyrene
Concen: 15.49 ng/ul
RT: 24.86 min Scan# 3749
Delta R.T. -0.00 min
Lab File: BG020367.D
Acq: 21 Dec 2015 7:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	6.9	6.2	9.4





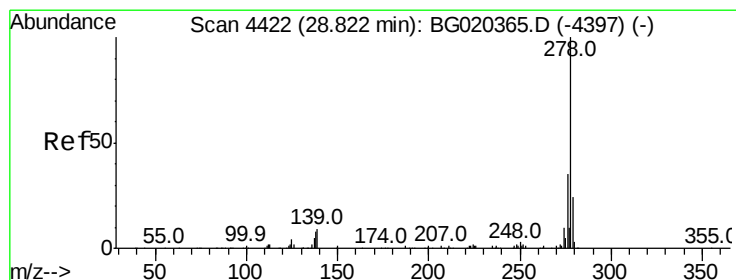
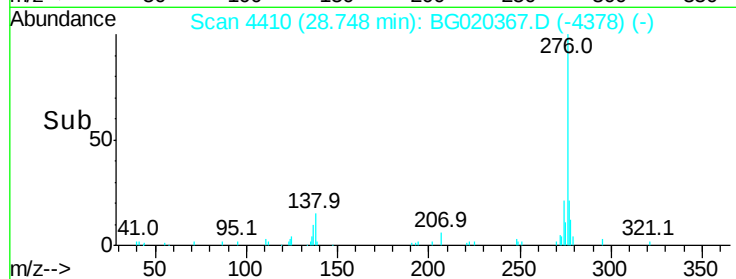
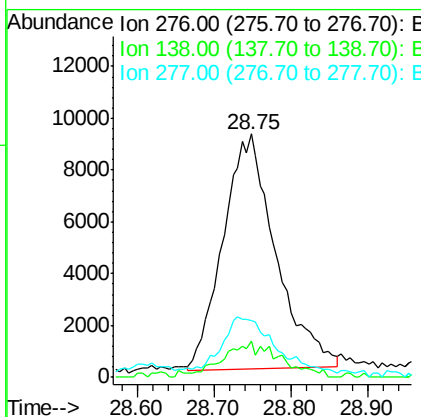
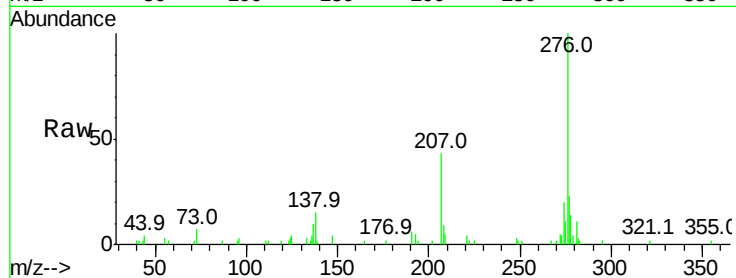
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.55 ng/ul
 RT: 28.75 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tot Ion	Ratio	Resp	Lower	Upper
276	100	43305		
138	14.9		11.4	17.0
277	23.3		17.4	26.0

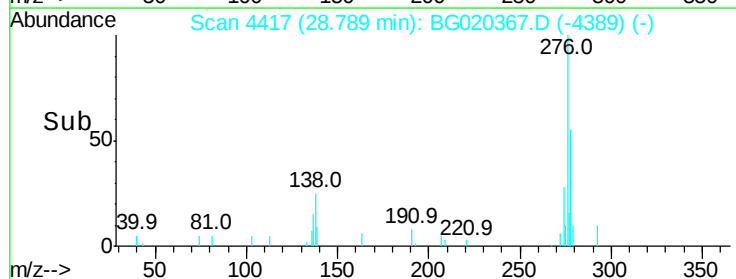
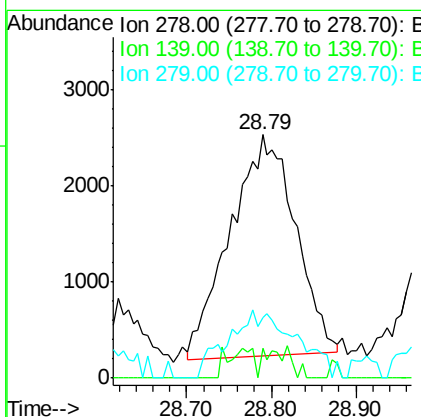
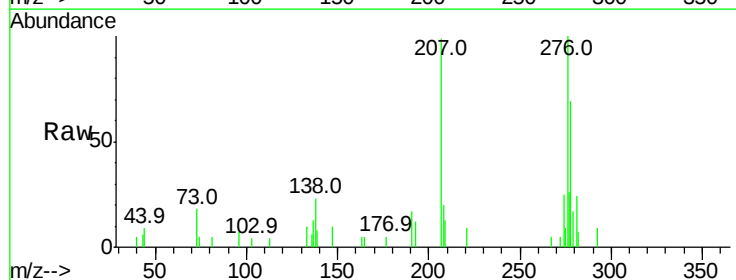
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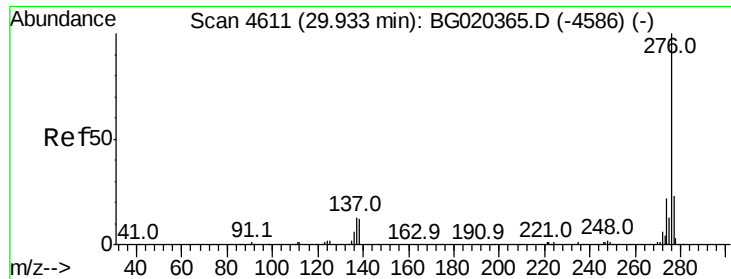
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.21 ng/ul
 RT: 28.79 min Scan# 4417
 Delta R.T. -0.03 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	12268		
139	12.3		9.4	14.2
279	24.9		19.4	29.0





#94
 Benzo(a,h,i)perylene
 Concen: 3.26 ng/ul
 RT: 29.91 min Scan# 4607
 Delta R.T. -0.03 min
 Lab File: BG020367.D
 Acq: 21 Dec 2015 7:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.3	10.8	16.2#
277	21.4	19.9	29.9

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