

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
 Data File : BG020369.D
 Acq On : 21 Dec 2015 8:21
 Operator : UM/SJ
 Sample : G4848-18
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N64

Quant Time: Dec 22 00:22:36 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	18526	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	78052	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	55257	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.57	188	282670	20.00	ng/ul	0.10
78) Chrysene-d12	21.74	240	165755	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	154183	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	2319	6.91	ng/uL	0.00
5) Phenol-d5	7.25	99	60967	37.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	37881	38.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	50065	42.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	55397	39.65	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	26325	43.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	32116	47.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	59446	43.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	72498	47.06	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	201002	44.97	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	235942	45.37	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	29652	36.99	ng/ul	0.00
58) Fluorene-d10	15.71	176	181763	44.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	29335	17.51	ng/ul	0.00
71) Anthracene-d10	17.57	188	282670	21.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	338138	43.77	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	383975	49.93	ng/ul	0.00

Target Compounds

						Qvalue
15) N-Nitroso-di-n-propylamine	8.80	70	1397	1.21	ng/ul#	1
28) Naphthalene	10.96	128	420708	103.22	ng/ul	98
30) 4-Chloroaniline	10.96	127	57600	36.63	ng/ul#	14
34) 2-Methylnaphthalene	12.56	142	98735	31.71	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	48397	16.17	ng/ul#	97
41) 1,1'-Biphenyl	13.55	154	37611	9.02	ng/ul	99
45) Dimethylphthalate	14.17	163	89040	19.51	ng/ul	100
46) 2,6-Dinitrotoluene	14.17	165	1016	1.08	ng/ul#	58
48) Acenaphthylene	14.45	152	11701	2.12	ng/ul#	91
50) Acenaphthene	14.79	153	173523	46.68	ng/ul	97
54) Dibenzofuran	15.12	168	183061	33.11	ng/ul	98
59) Fluorene	15.77	166	167094	37.63	ng/ul	99
61) 4-Nitroaniline	15.77	138	2046	2.06	ng/ul#	10
70) Phenanthrene	17.60	178	86355	5.59	ng/ul	100
72) Anthracene	17.60	178	83764	5.34	ng/ul	98
75) Carbazole	17.87	167	93957	7.13	ng/ul	100
77) Fluoranthene	19.52	202	450804	24.95	ng/ul	98
80) Pyrene	19.88	202	299188	29.82	ng/ul	99
83) Benzo(a)anthracene	21.72	228	70856	7.33	ng/ul	97
85) Chrysene	21.79	228	60126	6.60	ng/ul	97
88) Benzo(b)fluoranthene	23.97	252	28312	3.05	ng/ul#	92
89) Benzo(k)fluoranthene	23.97	252	28312	3.18	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 07:46:34 2015
Response via : Initial Calibration

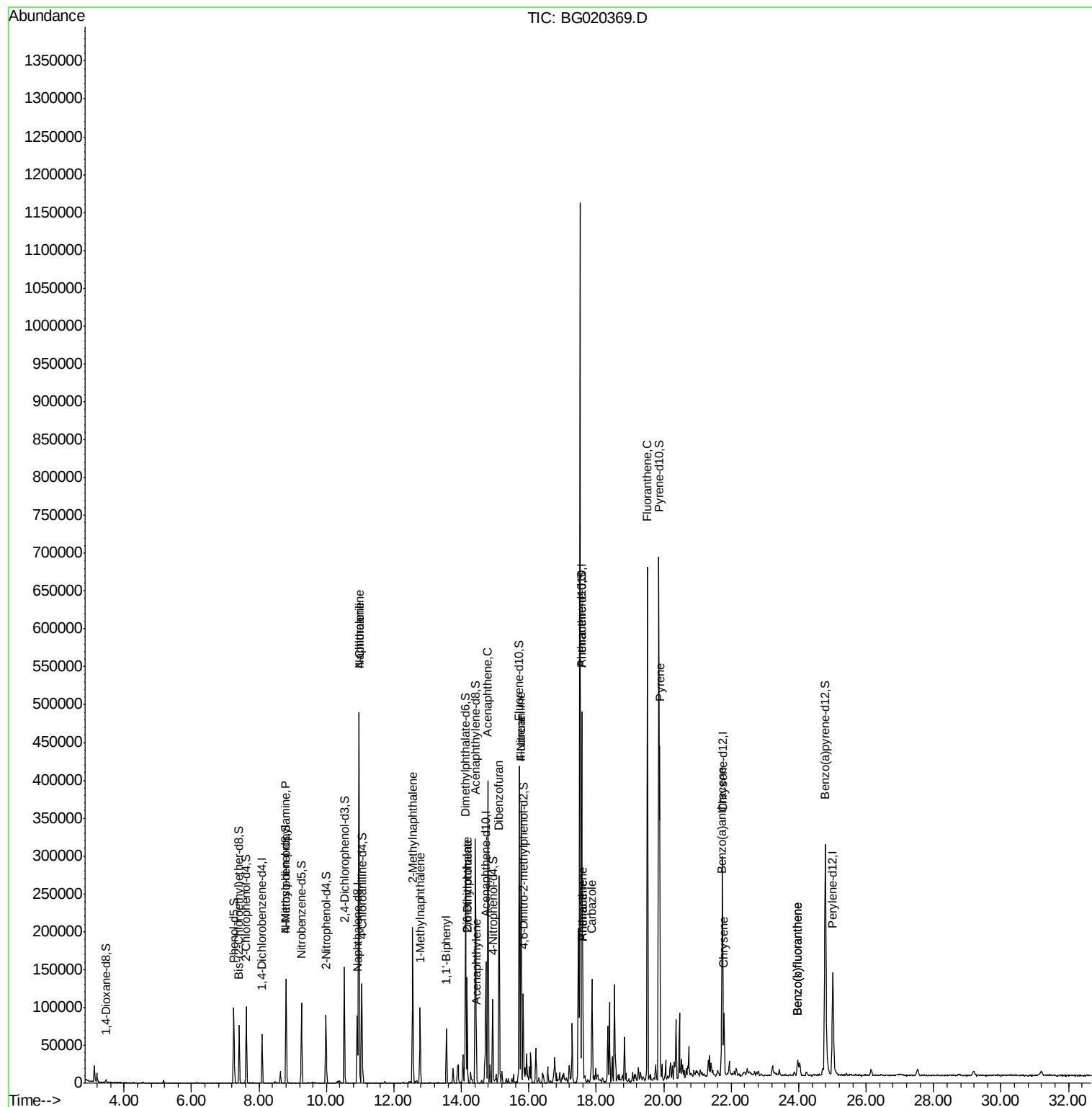
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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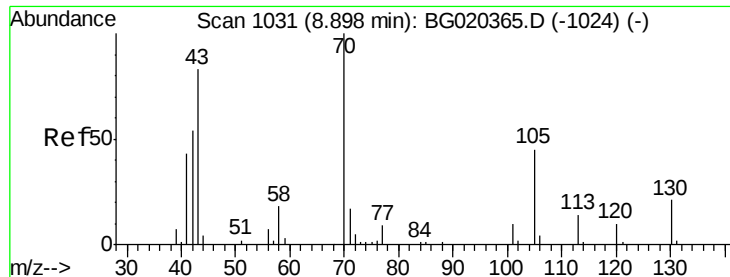
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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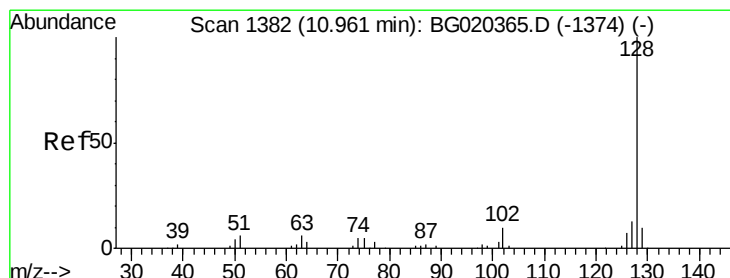
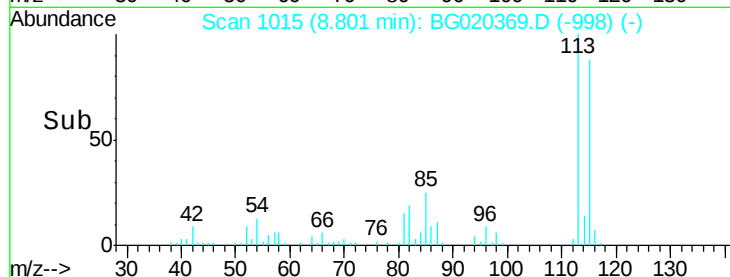
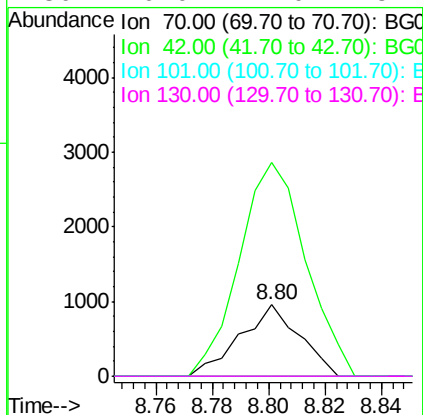
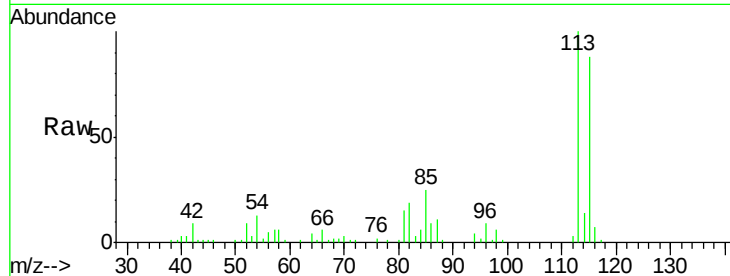




#15
N-Nitroso-di-n-propylamine
Concen: 1.21 ng/ul
RT: 8.80 min Scan# 1015
Delta R.T. -0.10 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

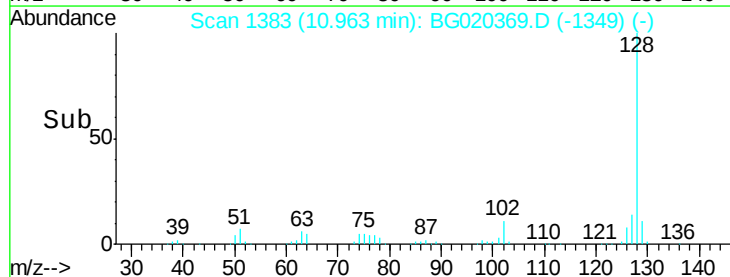
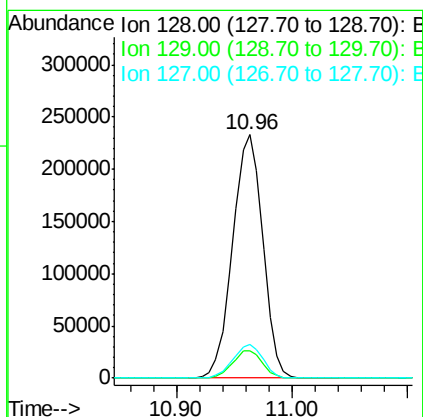
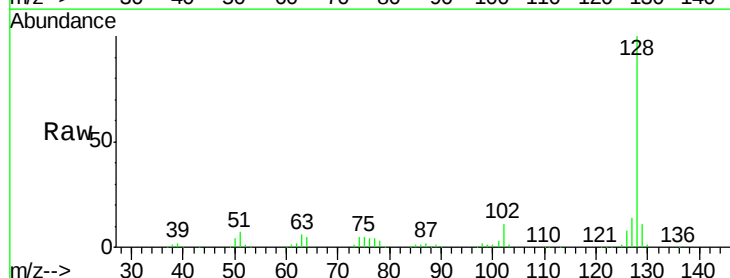
Instrument :
BNA_G
ClientSampleId :
D9N64

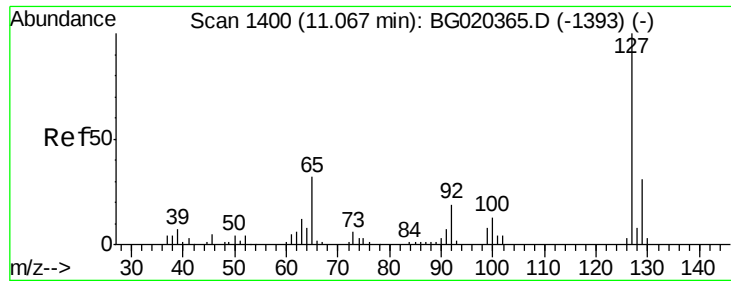
Tgt Ion:	70	Resp:	1397
Ion	Ratio	Lower	Upper
70	100		
42	299.7	44.3	66.5#
101	0.0	7.6	11.4#
130	0.0	17.0	25.4#



#28
Naphthalene
Concen: 103.22 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Tgt Ion:	128	Resp:	420708
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.9	10.1	15.1

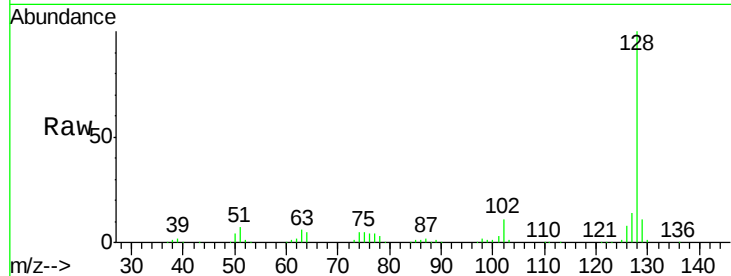




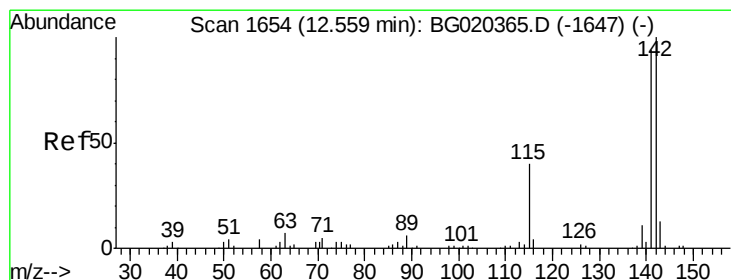
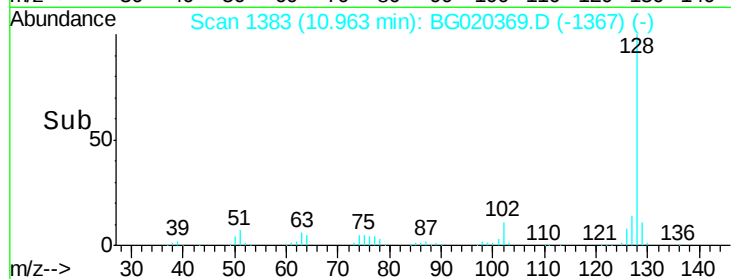
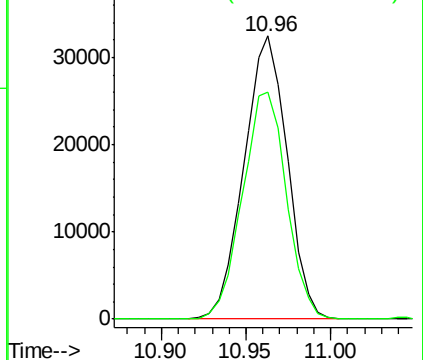
#30
4-Chloroaniline
Concen: 36.63 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.10 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:127 Resp: 57600
Ion Ratio Lower Upper
127 100
129 80.0 25.7 38.5#

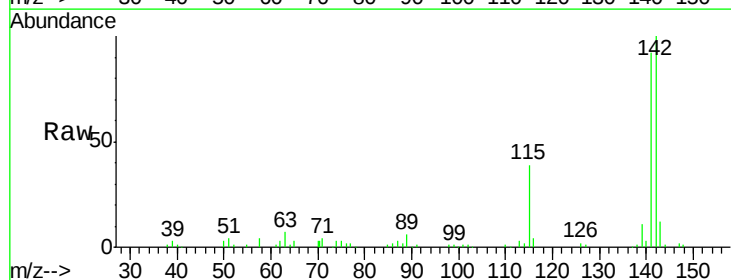


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

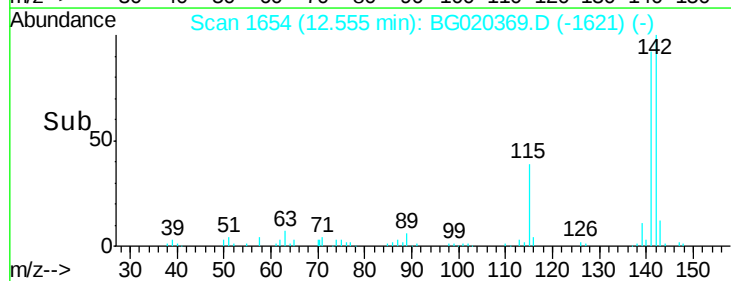
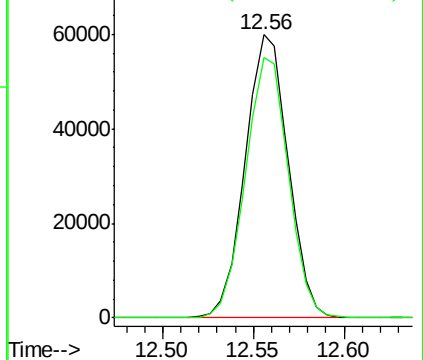


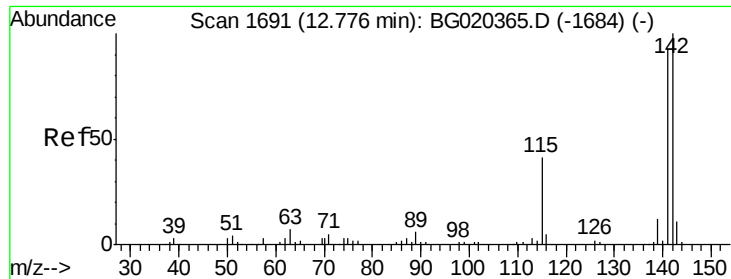
#34
2-Methylnaphthalene
Concen: 31.71 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Tgt Ion:142 Resp: 98735
Ion Ratio Lower Upper
142 100
141 91.8 74.9 112.3



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

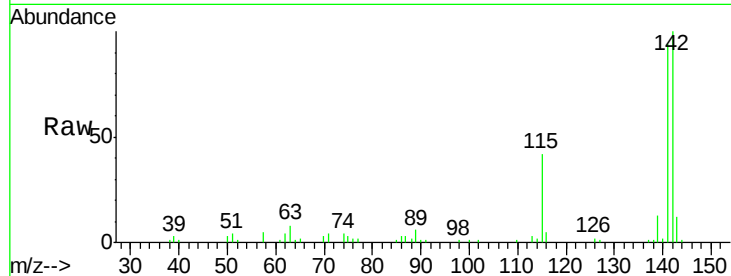




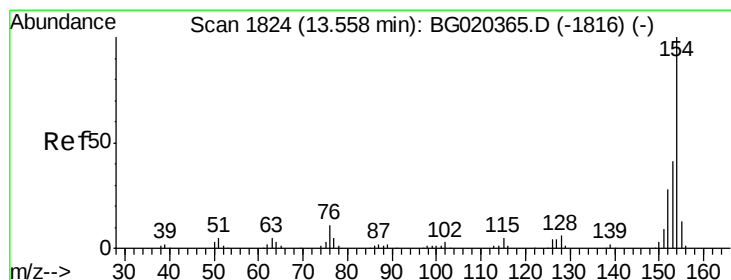
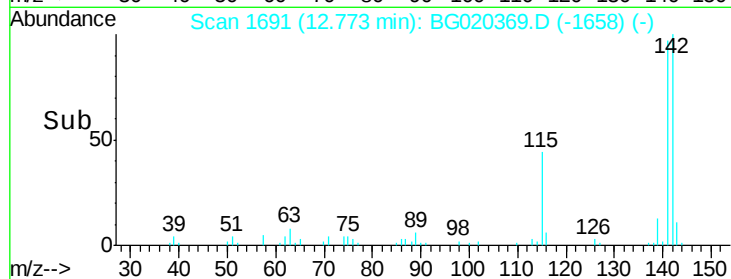
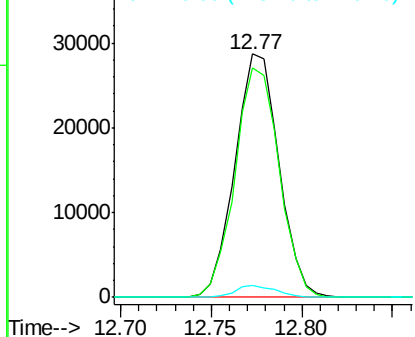
#35
 1-Methylnaphthalene
 Concen: 16.17 ng/ul
 RT: 12.77 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

Instrument :
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Tgt Ion:142 Resp: 48397
 Ion Ratio Lower Upper
 142 100
 141 94.3 73.0 109.6
 116 5.0 3.0 4.6#

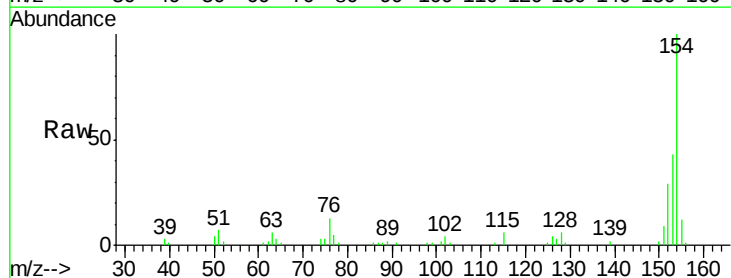


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

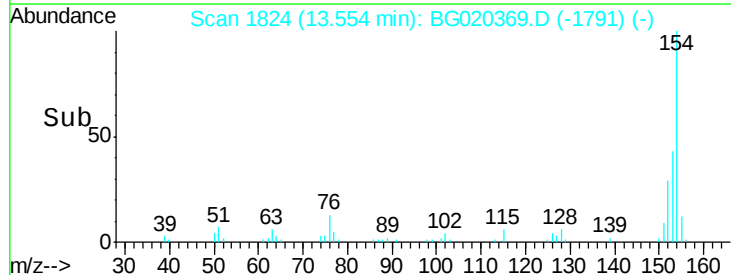
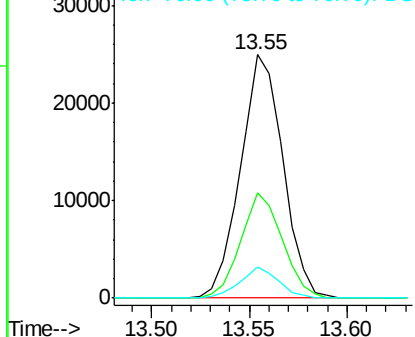


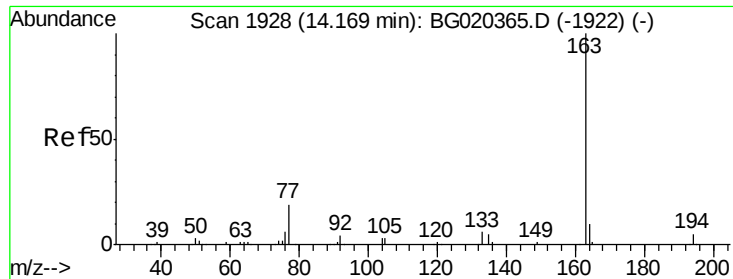
#41
 1,1'-Biphenyl
 Concen: 9.02 ng/ul
 RT: 13.55 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

Tgt Ion:154 Resp: 37611
 Ion Ratio Lower Upper
 154 100
 153 43.3 35.5 53.3
 76 12.6 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#45

Dimethylphthalate

Concen: 19.51 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

Instrument :

BNA_G

ClientSampleId :

D9N64

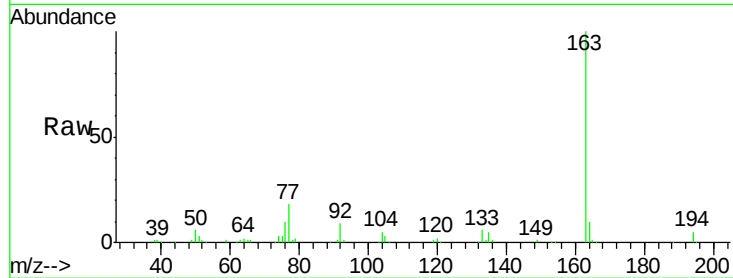
Tgt Ion:163 Resp: 89040

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

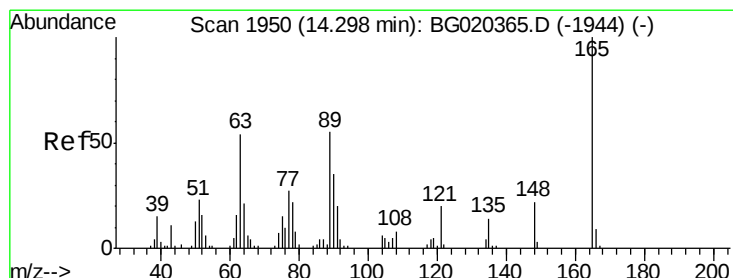
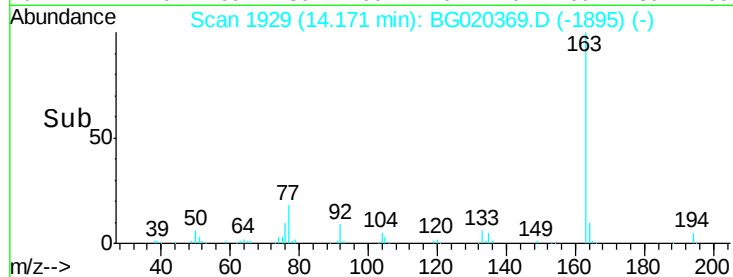
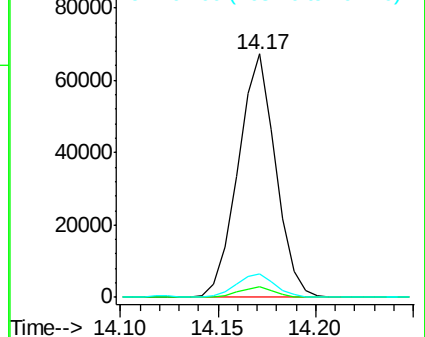
164 9.5 7.7 11.5



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



#46

2,6-Dinitrotoluene

Concen: 1.08 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. -0.13 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

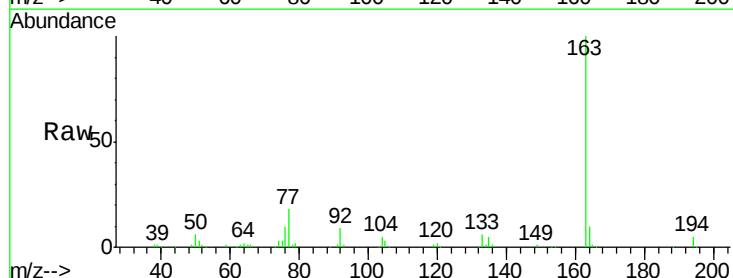
Tgt Ion:165 Resp: 1016

Ion Ratio Lower Upper

165 100

89 22.8 47.0 70.4#

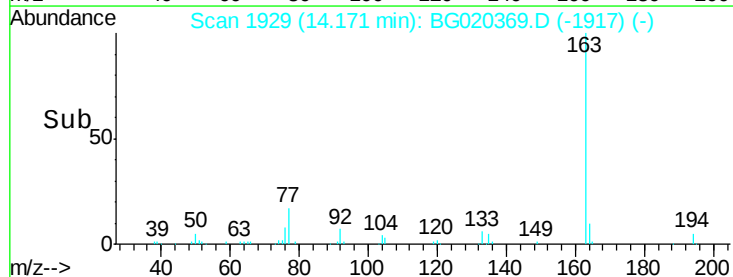
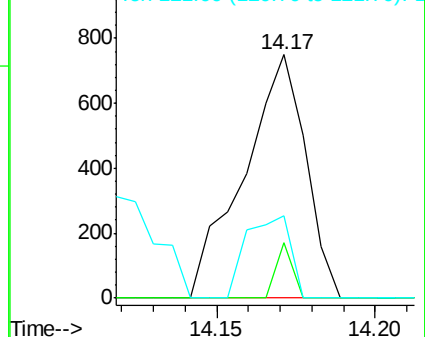
121 33.6 17.0 25.6#

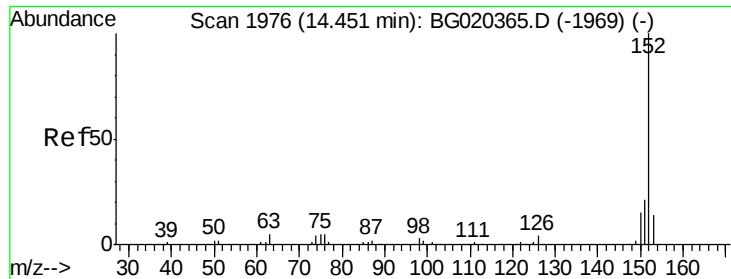


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E





#48

Acenaphthylene

Concen: 2.12 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

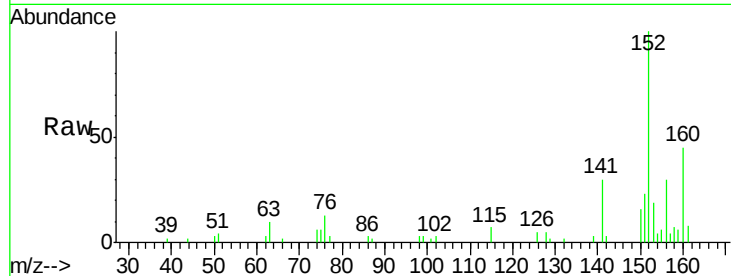
Instrument :

BNA_G

ClientSampleId :

D9N64

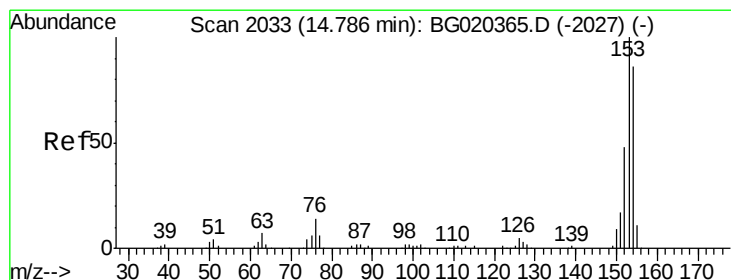
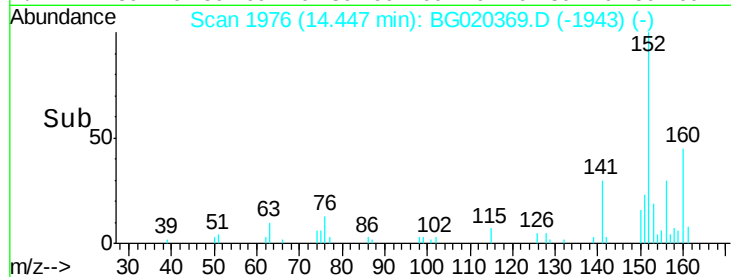
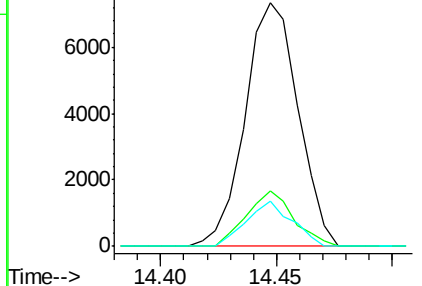
Tgt Ion:	152	Resp:	11701
Ion	Ratio	Lower	Upper
152	100		
151	23.0	16.4	24.6
153	18.8	10.4	15.6#



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: 46.68 ng/ul

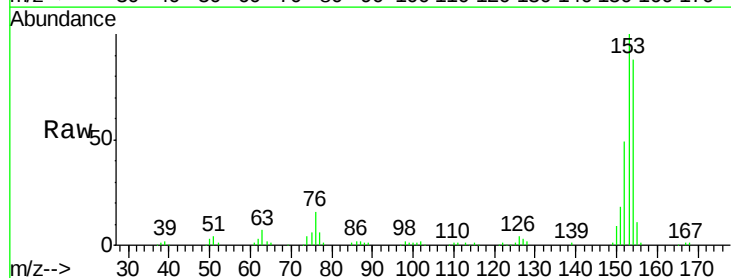
RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

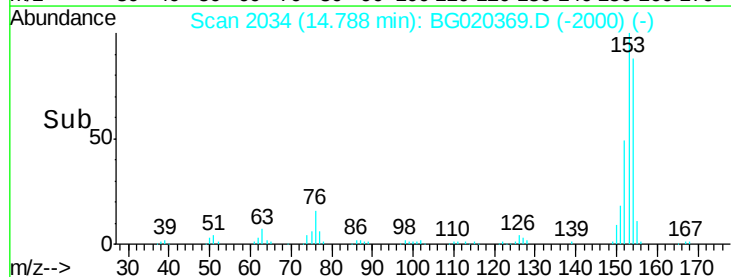
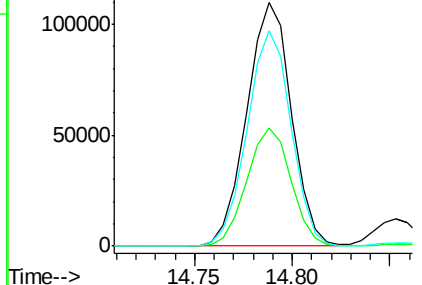
Tgt Ion:	153	Resp:	173523
Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.6	56.4
154	88.3	67.9	101.9

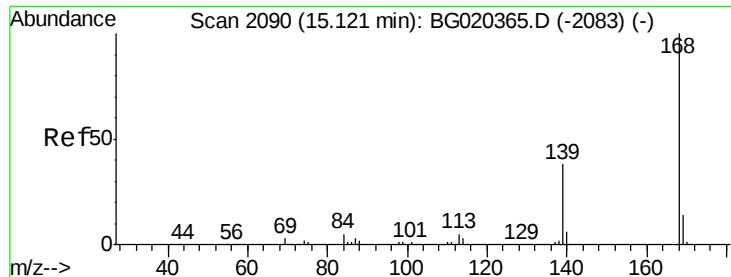


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

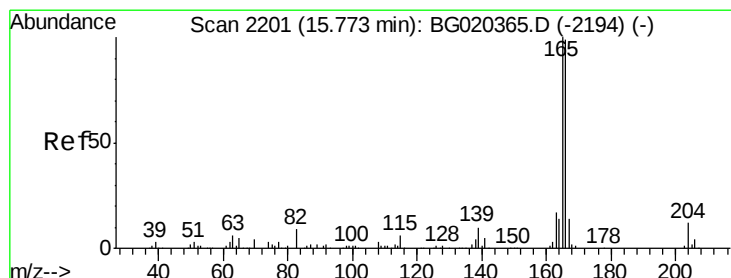
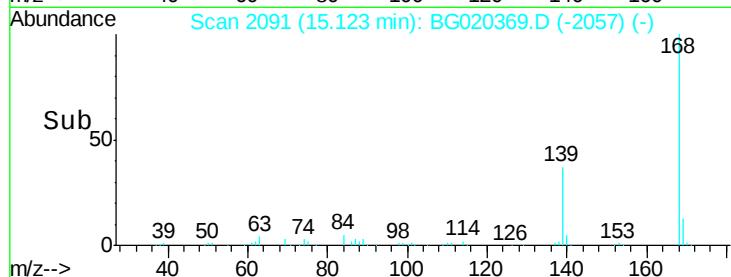
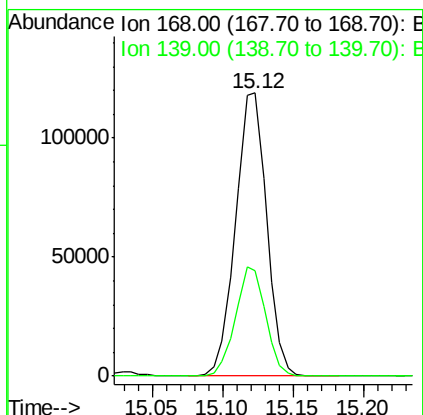
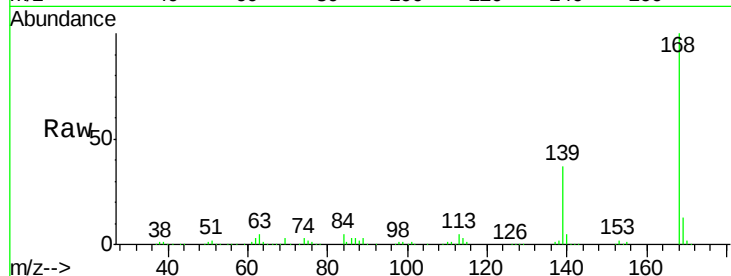




#54
Dibenzenofuran
Concen: 33.11 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

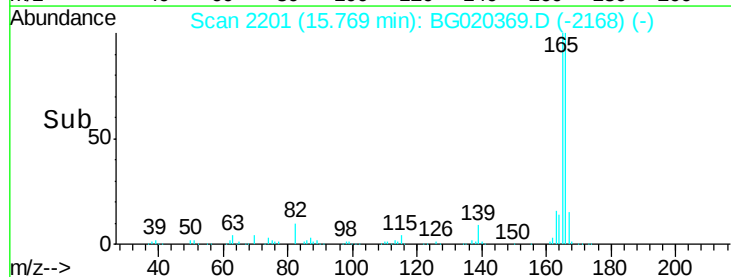
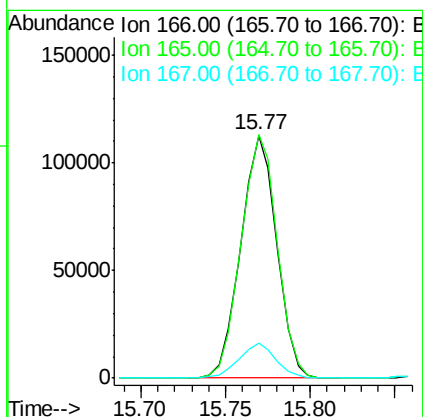
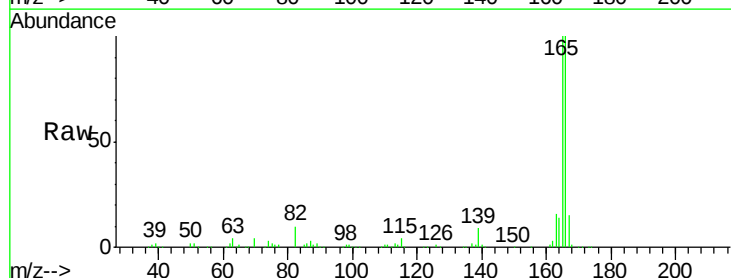
Instrument :
BNA_G
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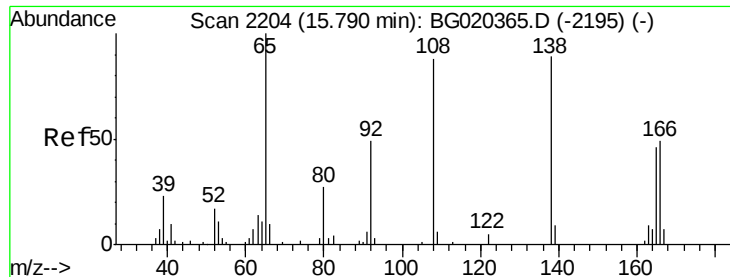
Tgt Ion:168 Resp: 183061
Ion Ratio Lower Upper
168 100
139 37.2 30.5 45.7



#59
Fluorene
Concen: 37.63 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Tgt Ion:166 Resp: 167094
Ion Ratio Lower Upper
166 100
165 100.2 81.4 122.0
167 14.5 11.2 16.8

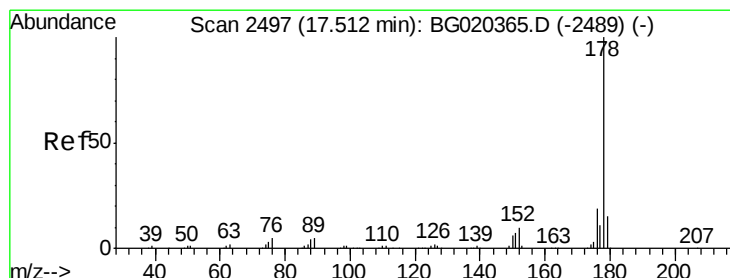
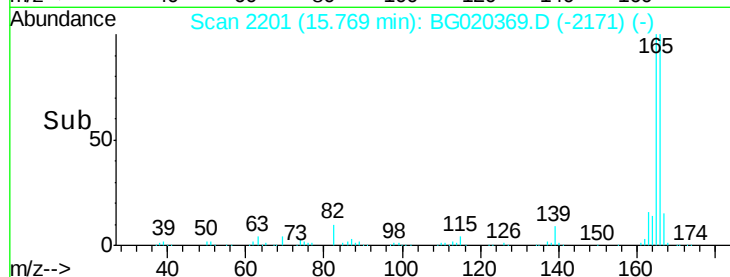
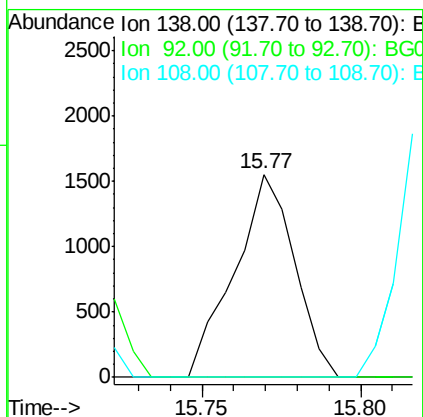
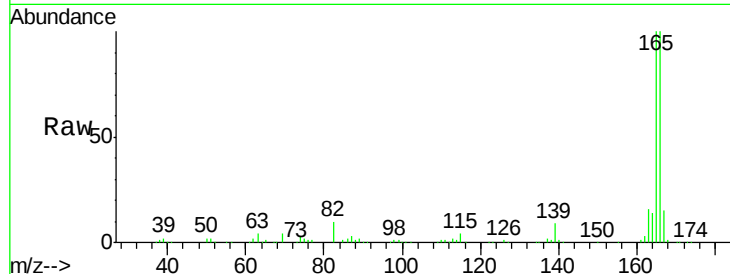




#61
4-Nitroaniline
Concen: 2.06 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

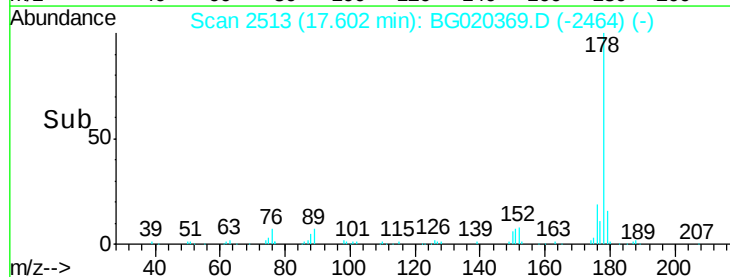
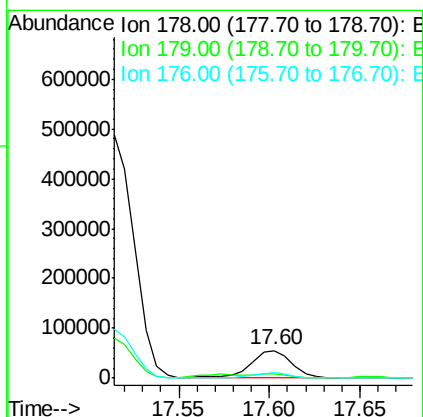
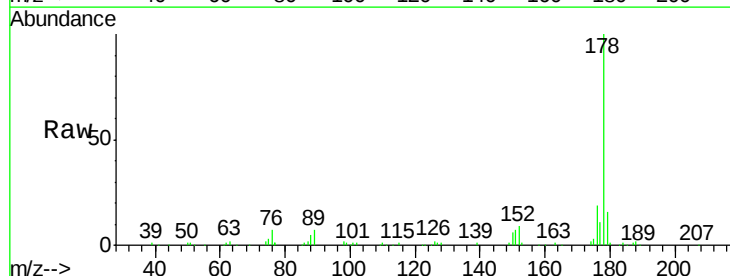
Instrument :
BNA_G
ClientSampleId :
D9N64

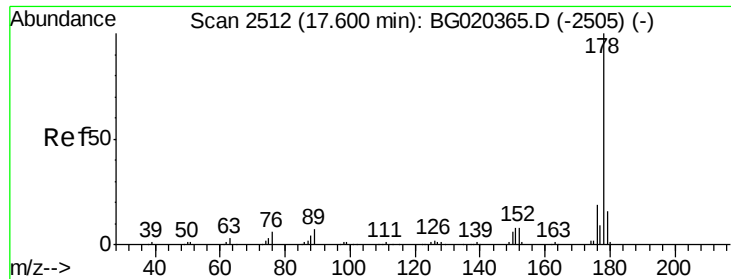
Tgt Ion:138 Resp: 2046
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 0.0 75.4 113.0#



#70
Phenanthrene
Concen: 5.59 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.09 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Tgt Ion:178 Resp: 86355
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 19.1 15.3 22.9

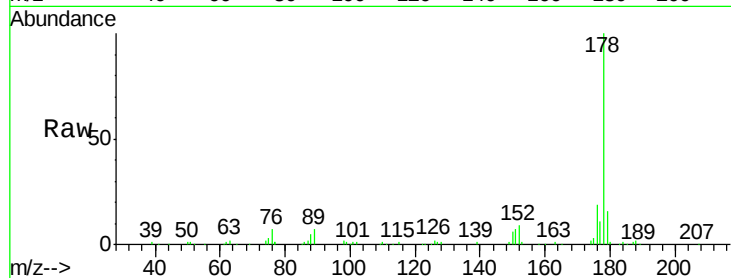




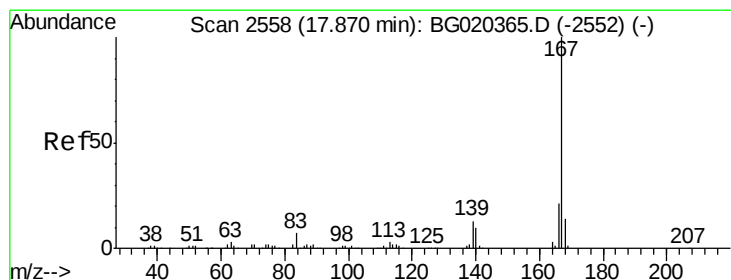
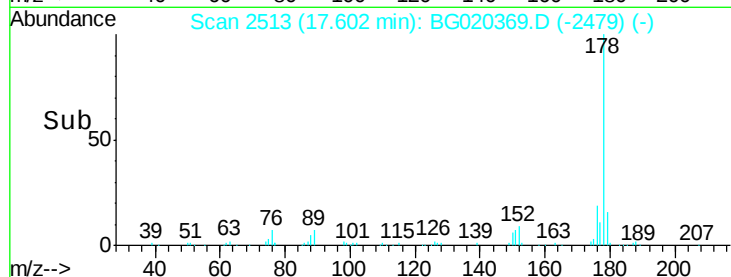
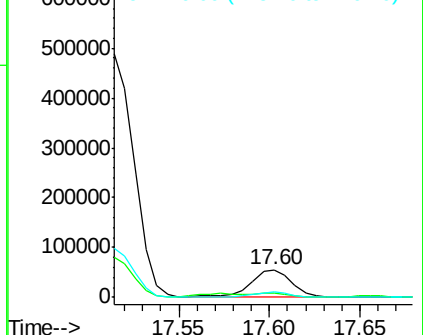
#72
 Anthracene
 Concen: 5.34 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

Instrument :
 BNA_G
 ClientSampleId :
 D9N64

Tgt Ion:178 Resp: 83764
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.3 18.5
 176 19.1 14.3 21.5

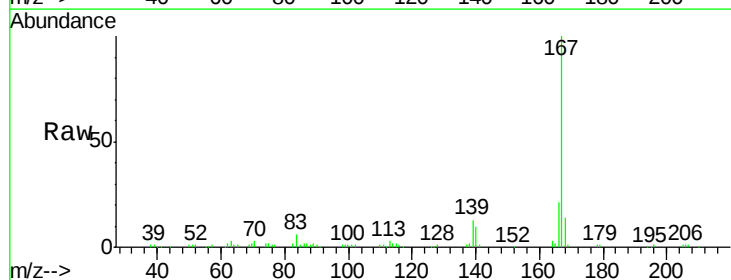


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

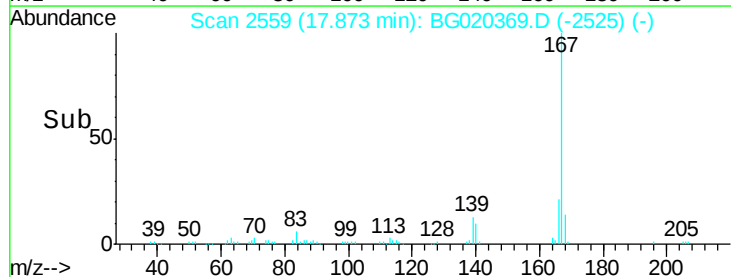
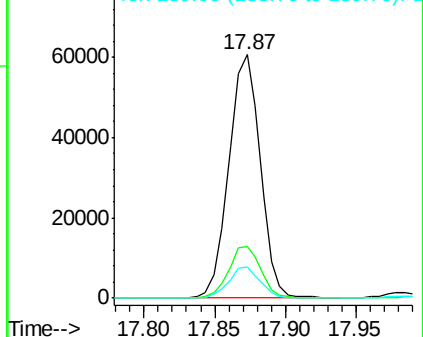


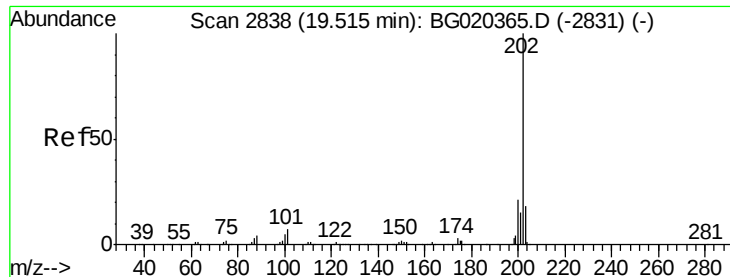
#75
 Carbazole
 Concen: 7.13 ng/ul
 RT: 17.87 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

Tgt Ion:167 Resp: 93957
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.7 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

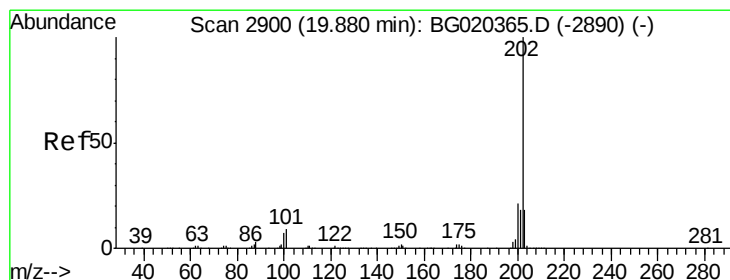
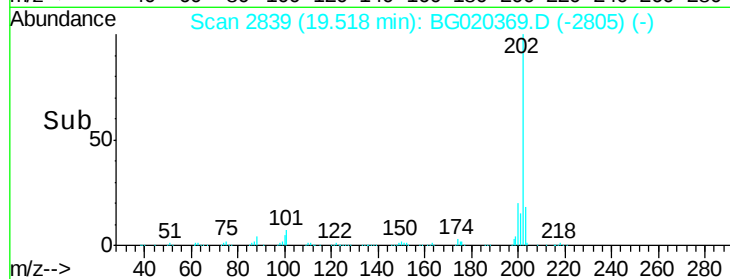
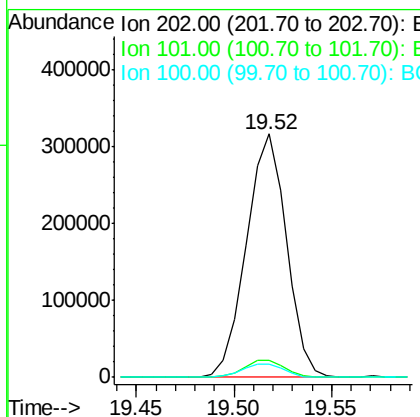
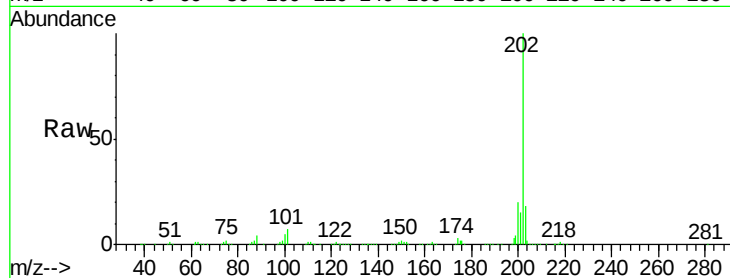




#77
 Fluoranthene
 Concen: 24.95 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

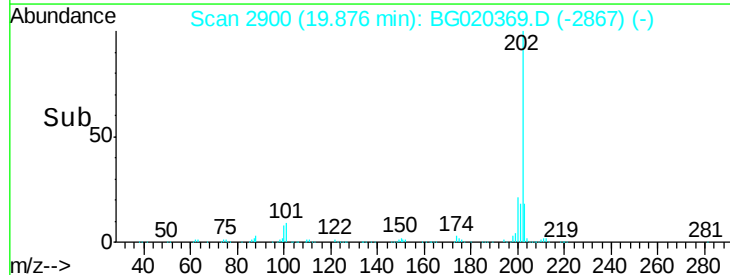
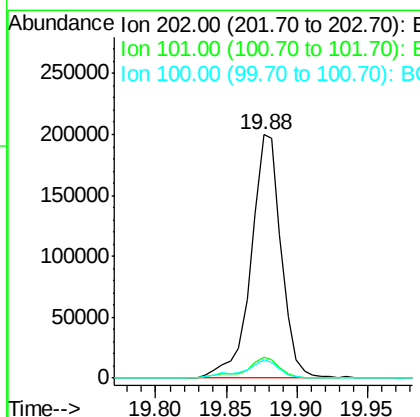
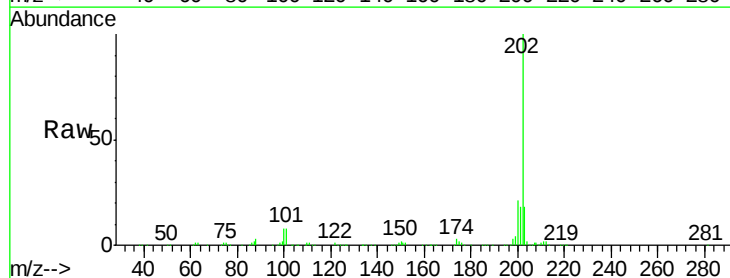
Instrument :
 BNA_G
 ClientSampleId :
 D9N64

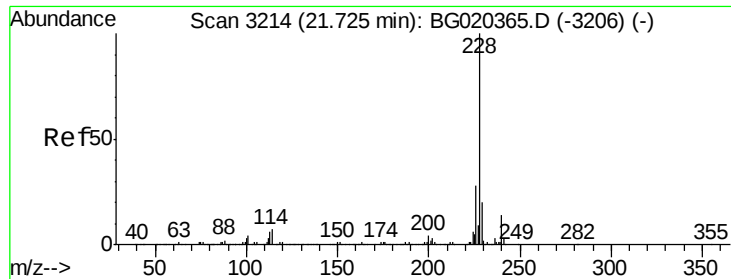
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.2	9.4
100	5.5	5.1	7.7



#80
 Pyrene
 Concen: 29.82 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020369.D
 Acq: 21 Dec 2015 8:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.6	6.4	9.6

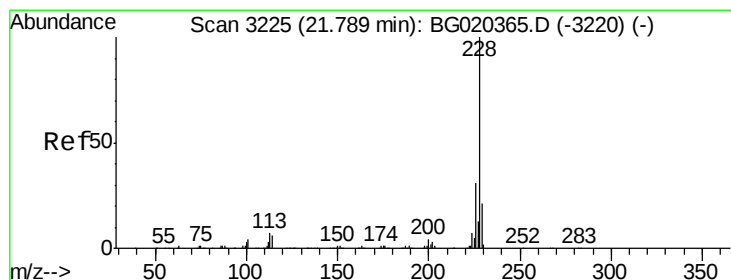
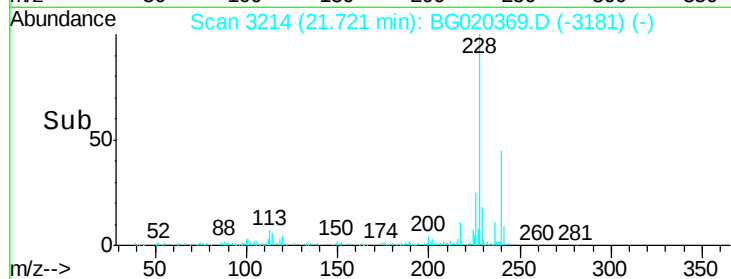
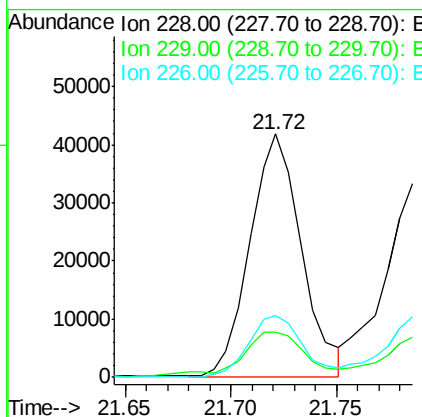
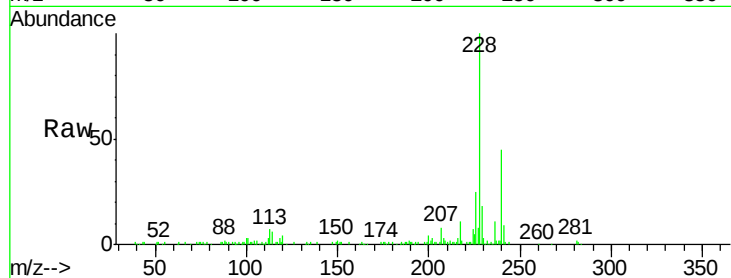




#83
Benzo(a)anthracene
Concen: 7.33 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

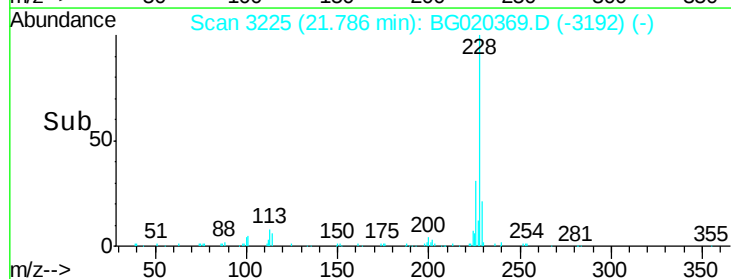
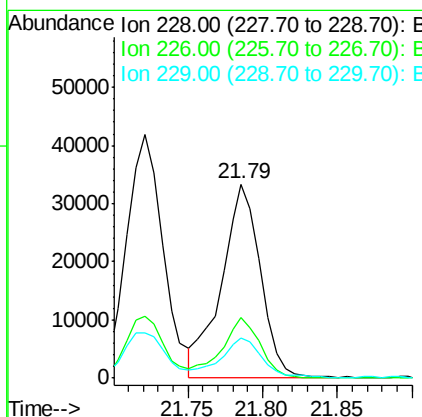
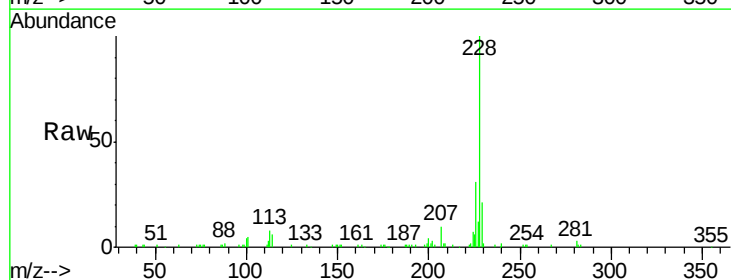
Instrument :
BNA_G
ClientSampleId :
D9N64

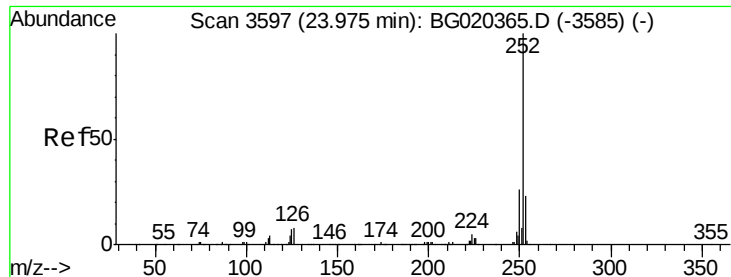
Tgt Ion:228 Resp: 70856
Ion Ratio Lower Upper
228 100
229 18.3 15.8 23.8
226 25.3 21.8 32.6



#85
Chrysene
Concen: 6.60 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020369.D
Acq: 21 Dec 2015 8:21

Tgt Ion:228 Resp: 60126
Ion Ratio Lower Upper
228 100
226 31.1 23.9 35.9
229 20.9 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 3.05 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

Instrument :

BNA_G

ClientSampleId :

D9N64

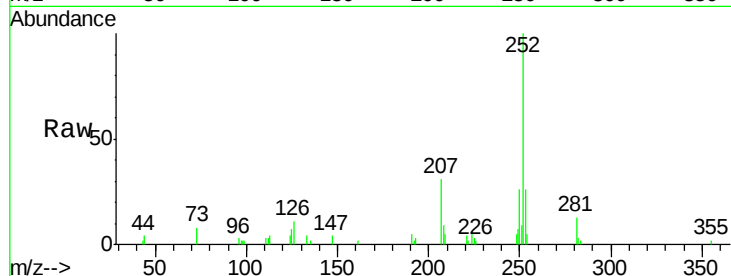
Tgt Ion:252 Resp: 28312

Ion Ratio Lower Upper

252 100

253 25.5 16.7 25.1#

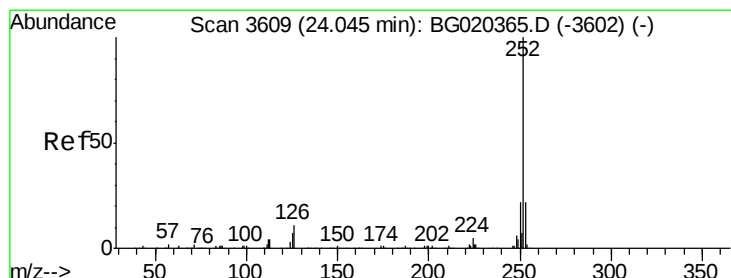
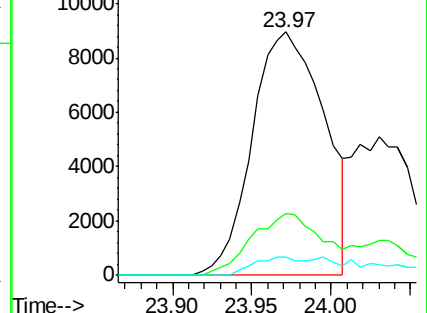
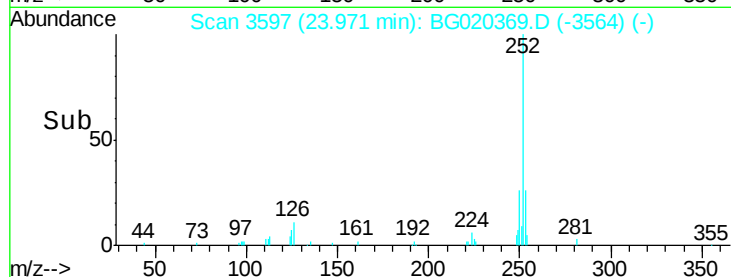
125 7.3 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.18 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.07 min

Lab File: BG020369.D

Acq: 21 Dec 2015 8:21

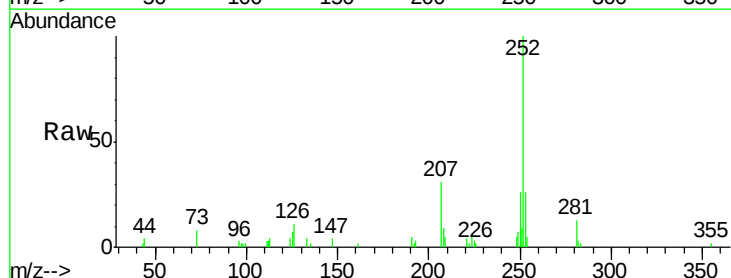
Tgt Ion:252 Resp: 28312

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

125 7.3 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

