

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032706.D
 Acq On : 15 Feb 2018 8:23
 Operator : SJ/JU
 Sample : J1541-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 11:07:12 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	28611	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	106547	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	60261	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	233116	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	275056	20.00	ng	-0.02
86) Perylene-d12	25.98	264	326281	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	171875	120.53	ng	0.00
7) Phenol-d6	7.78	99	173062	88.75	ng	-0.02
23) Nitrobenzene-d5	9.86	82	151627	90.45	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	197406	212.75	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	601558	124.83	ng	-0.01
78) Terphenyl-d14	20.58	244	1352238	112.05	ng	-0.01

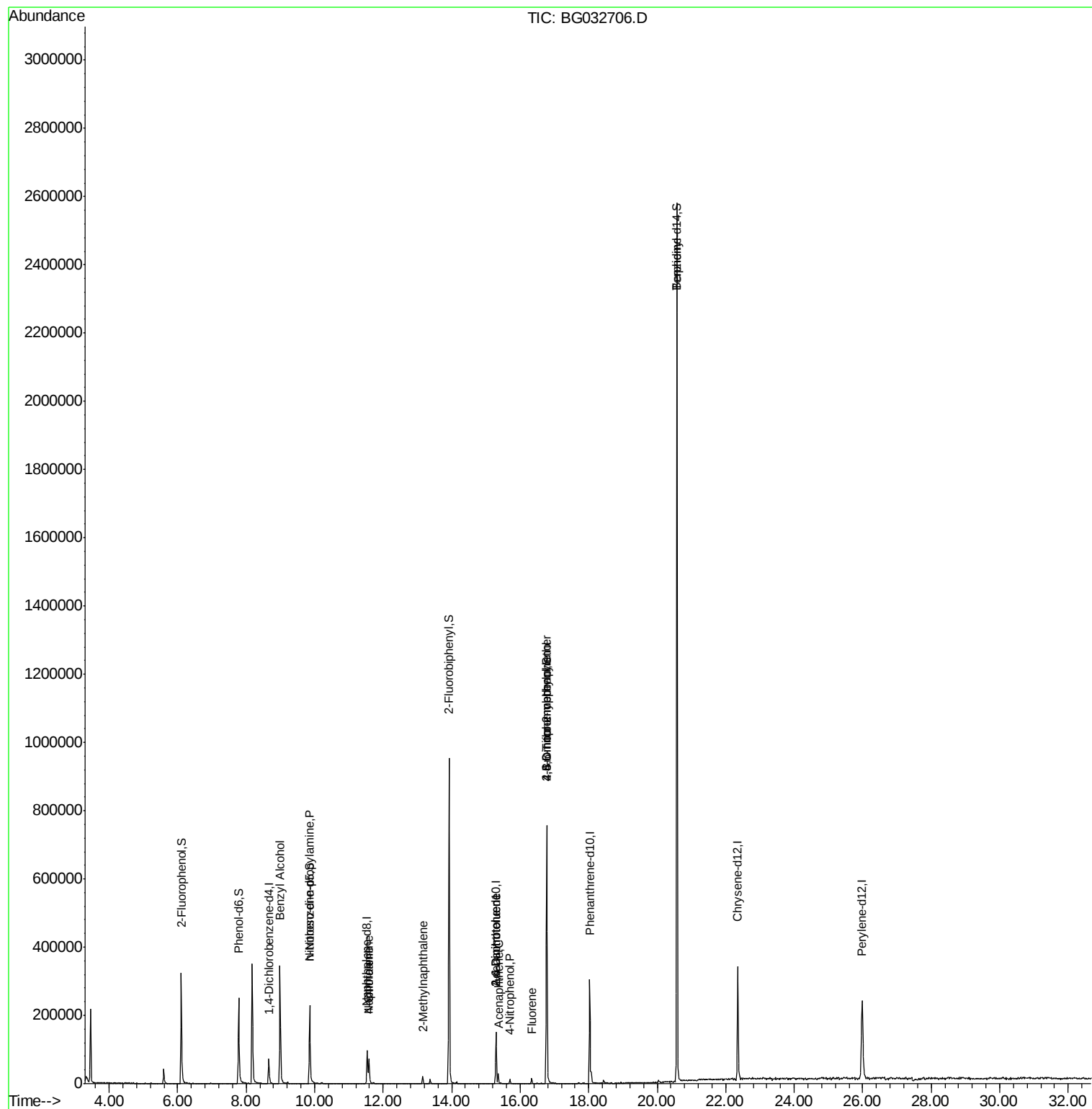
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.99	79	3108	2.127	ng	# 54
19) n-Nitroso-di-n-propylamine	9.86	70	23086	17.611	ng	# 75
31) Naphthalene	11.59	128	73865	14.277	ng	# 99
33) 4-Chloroaniline	11.59	127	9481	4.619	ng	# 34
37) 2-Methylnaphthalene	13.15	142	13074	3.115	ng	# 89
50) 2,6-Dinitrotoluene	15.30	165	7490	6.982	ng	# 18
51) Acenaphthene	15.35	154	13591	3.448	ng	# 82
55) 4-Nitrophenol	15.69	139	4588	11.568	ng	# 1
56) 2,4-Dinitrotoluene	15.30	165	7490	5.067	ng	# 16
57) Fluorene	16.33	166	10084	2.091	ng	# 97
64) 4,6-Dinitro-2-methylphenol	16.78	198	546	5.312	ng	# 59
66) 4-Bromophenyl-phenylether	16.77	248	15260	4.574	ng	# 1
76) Benzidine	20.58	184	19930	3.077	ng	# 94

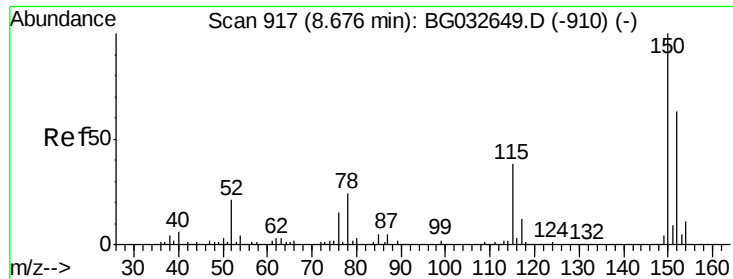
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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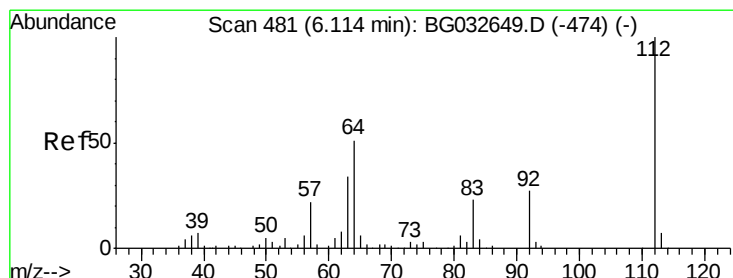
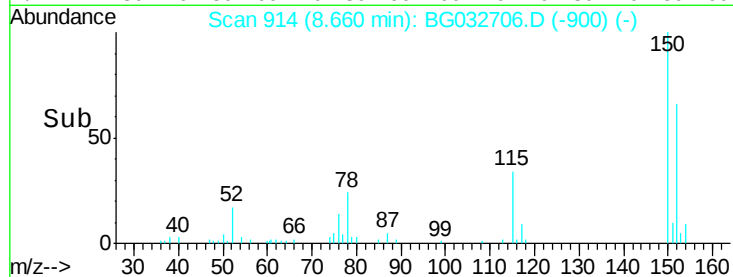
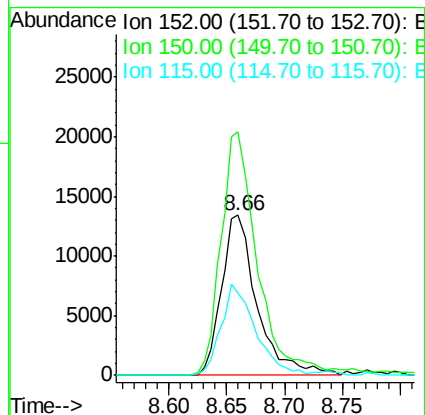
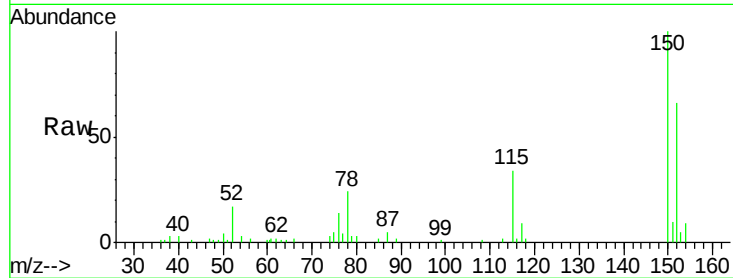


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Instrument :
BNA_G
ClientSampleId :

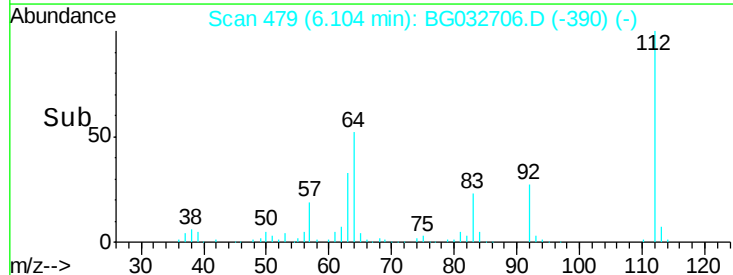
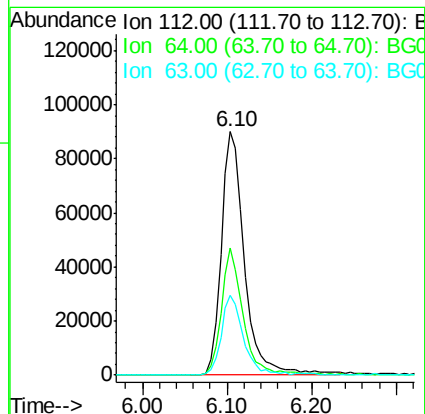
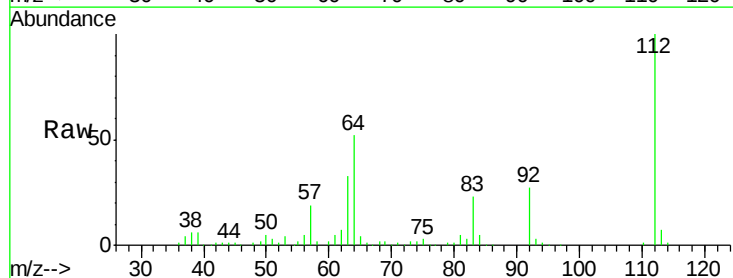
Tot Ion:152 Resp: 28611
Ion Ratio Lower Upper
152 100
150 152.0 126.6 189.8
115 51.4 53.0 79.4#

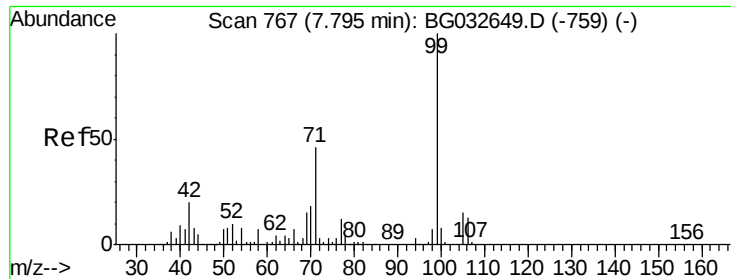


#5

2-Fluorophenol
Concen: 120.528 ng
RT: 6.10 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion:112 Resp: 171875
Ion Ratio Lower Upper
112 100
64 52.5 56.3 84.5#
63 32.8 30.1 45.1





#7

Phenol-d6

Concen: 88.753 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA_G

ClientSampled :

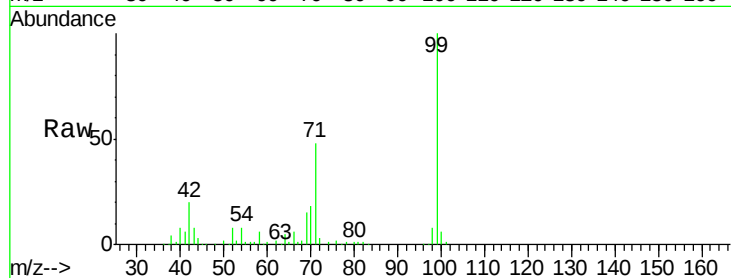
Tot Ion: 99 Resp: 173062

Ion Ratio Lower Upper

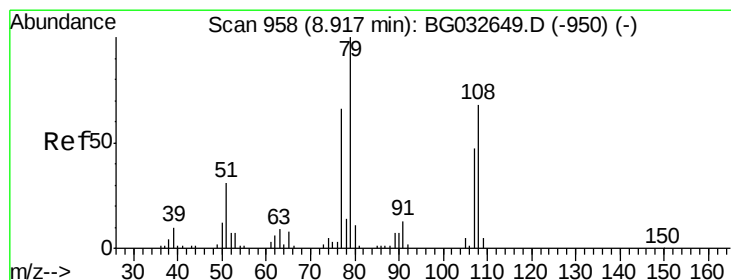
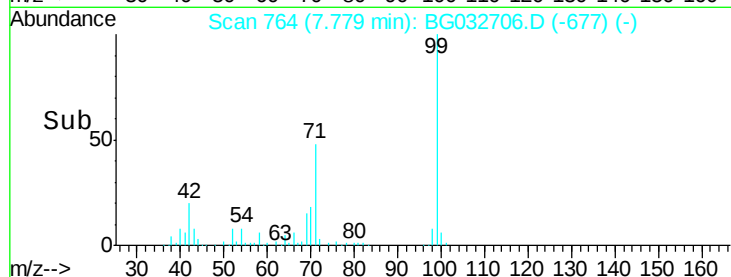
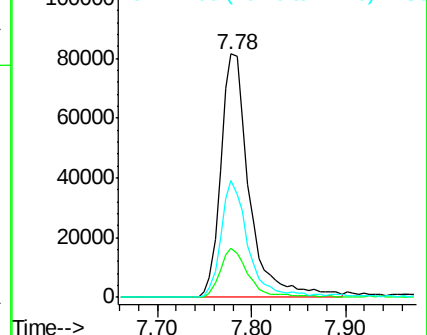
99 100

42 19.9 14.1 21.1

71 47.9 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.127 ng

RT: 8.99 min Scan# 971

Delta R.T. 0.08 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

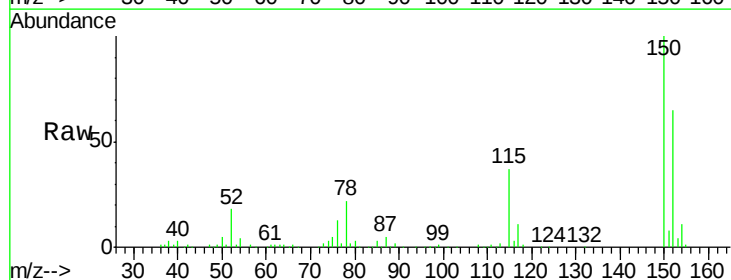
Tgt Ion: 79 Resp: 3108

Ion Ratio Lower Upper

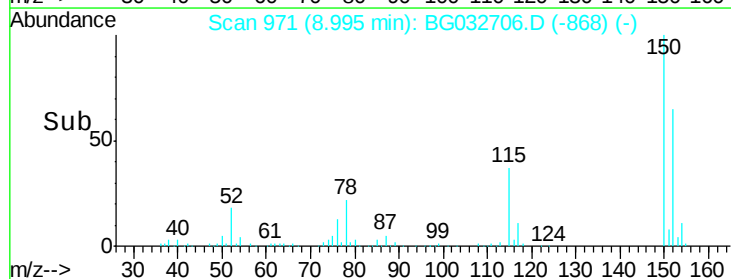
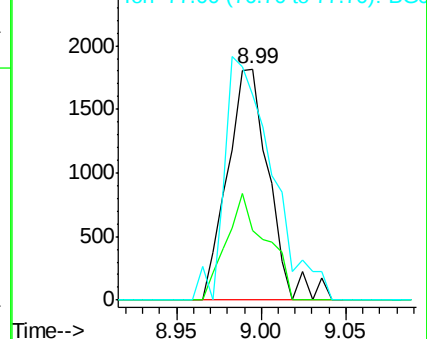
79 100

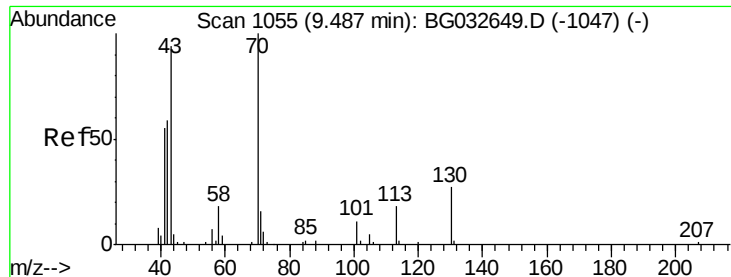
108 30.3 57.2 85.8#

77 88.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

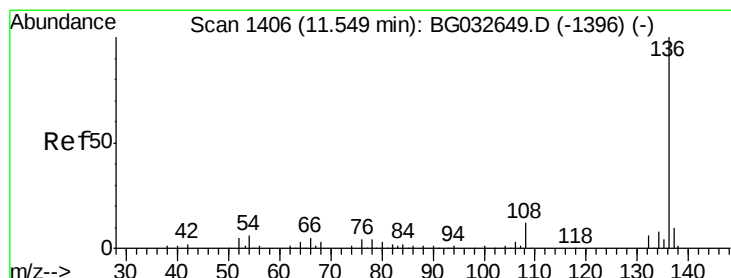
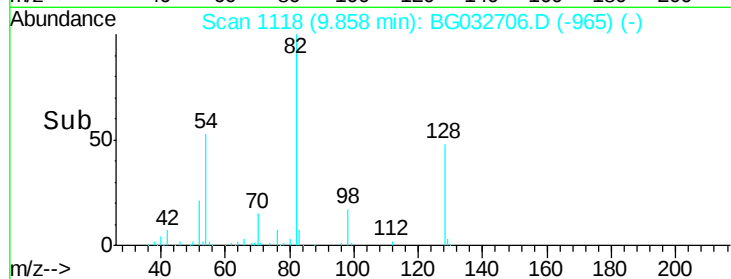
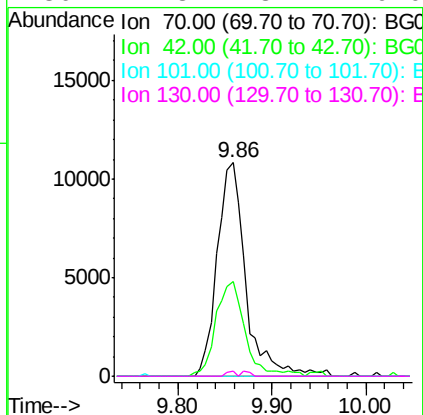
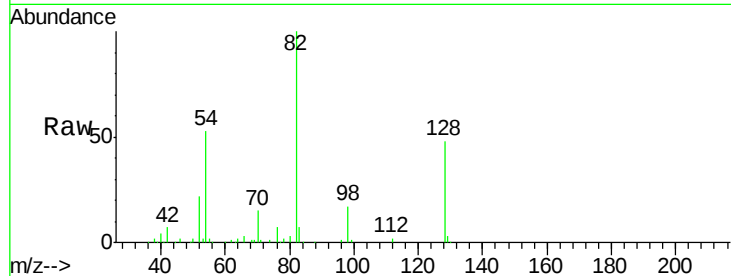




#19
n-Nitroso-di-n-propylamine
Concen: 17.611 ng
RT: 9.86 min Scan# 1118
Delta R.T. 0.37 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

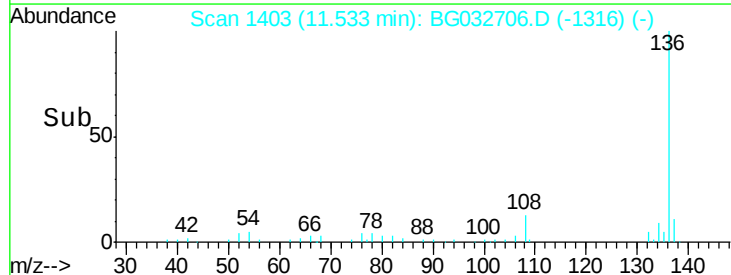
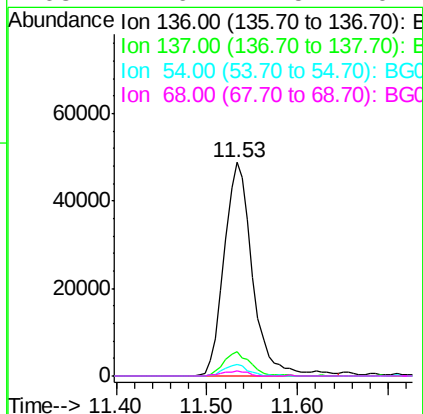
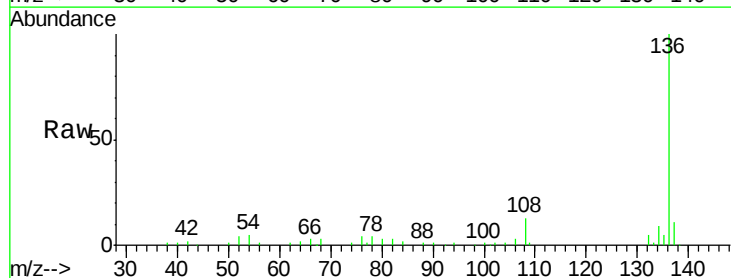
Instrument :
BNA_G
ClientSampleId :

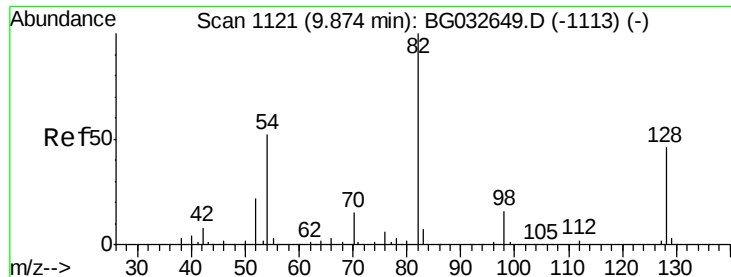
Tot Ion: 70 Resp: 23086
Ion Ratio Lower Upper
70 100
42 44.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion: 136 Resp: 106547
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 5.4 10.3 15.5#
68 2.6 4.5 6.7#

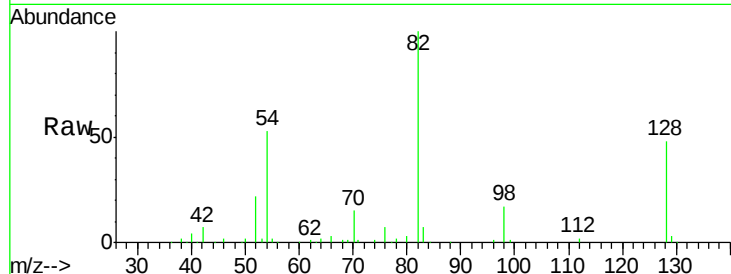




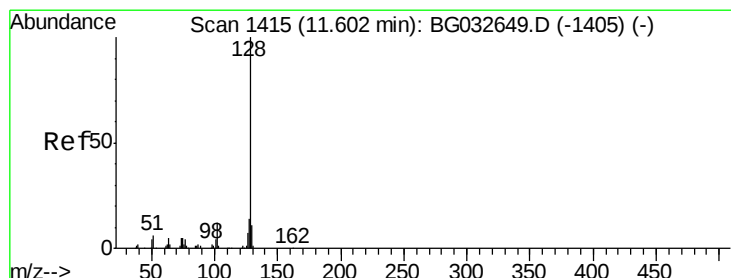
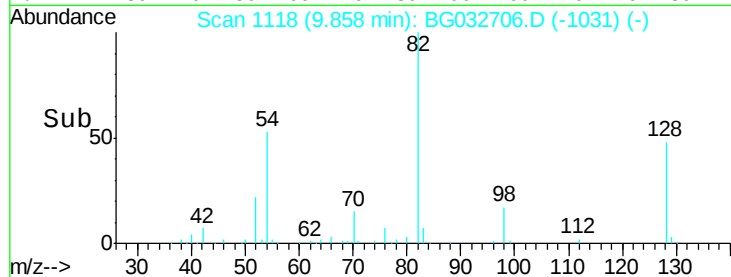
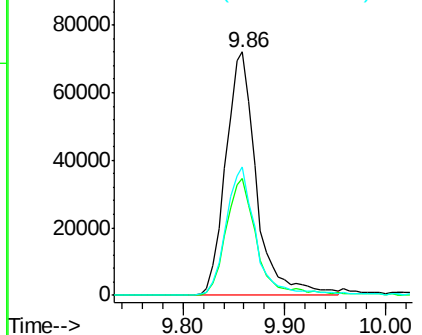
#23
Nitrobenzene-d5
Concen: 90.445 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	151627
Ion Ratio	Lower	Upper	
82	100		
128	48.2	29.7	44.5#
54	52.7	43.1	64.7

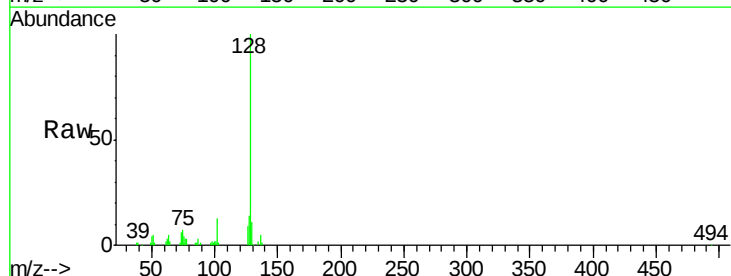


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

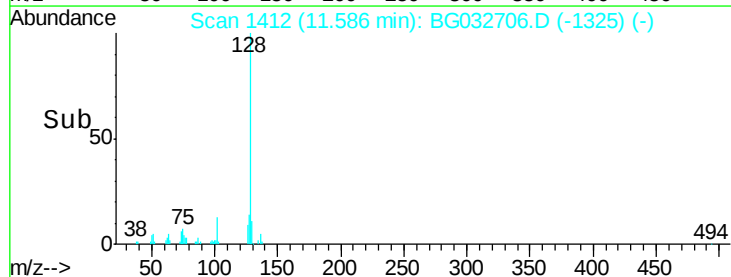
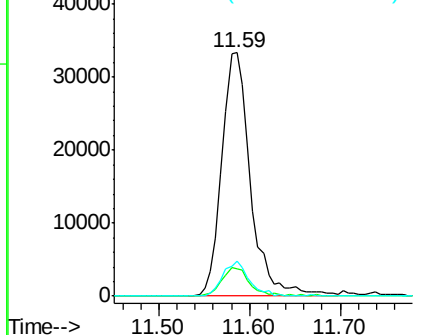


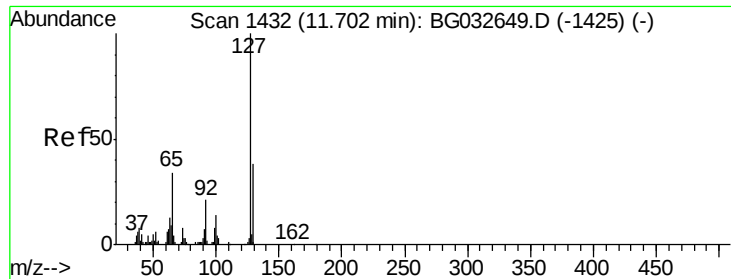
#31
Naphthalene
Concen: 14.277 ng
RT: 11.59 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion	128	Resp	73865
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	14.1	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

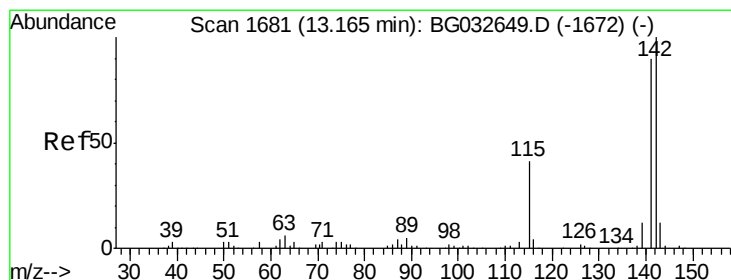
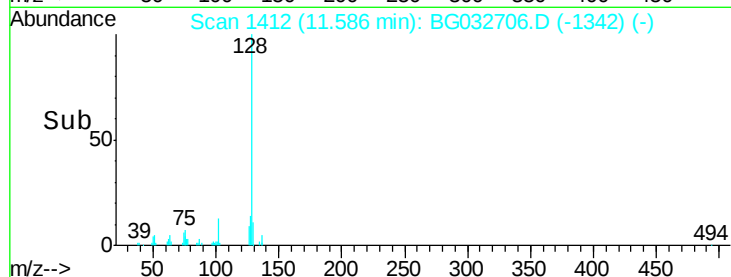
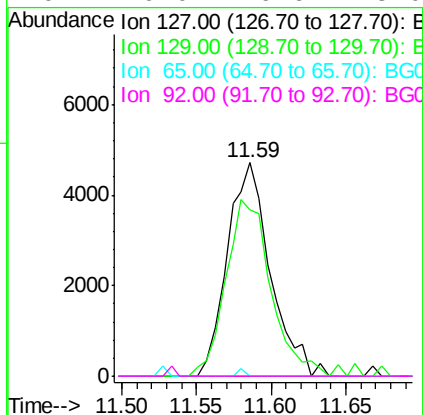
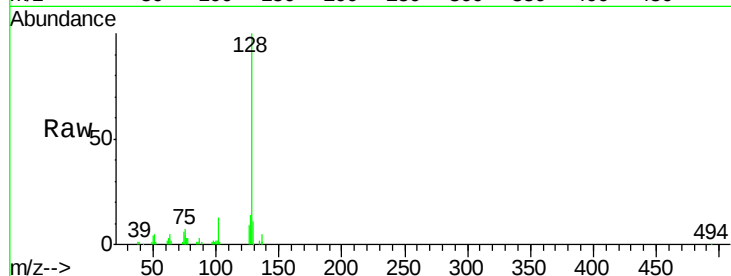




#33
4-Chloroaniline
Concen: 4.619 ng
RT: 11.59 min Scan# 1412
Delta R.T. -0.12 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

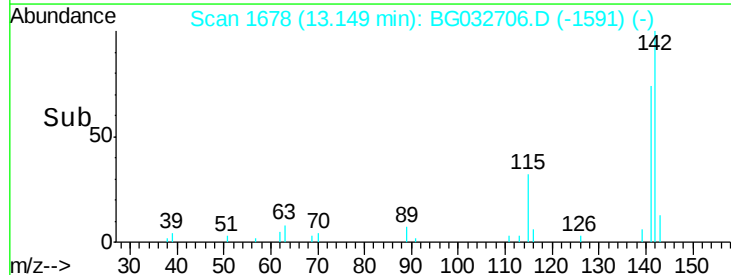
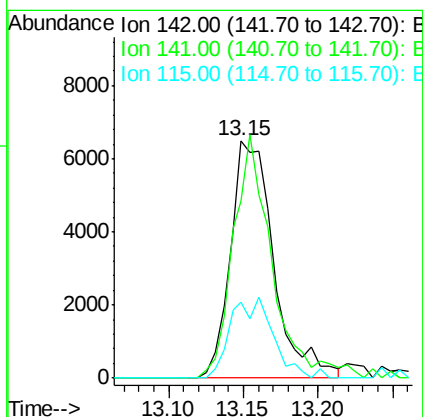
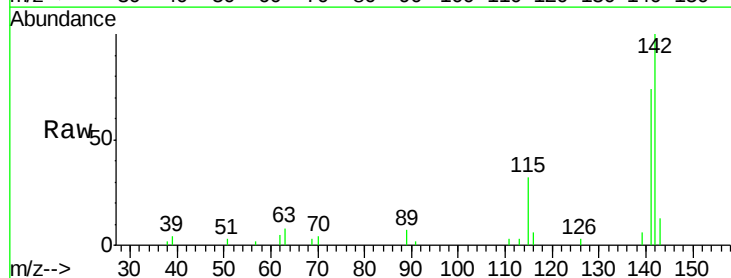
Instrument :
BNA_G
ClientSampleId :

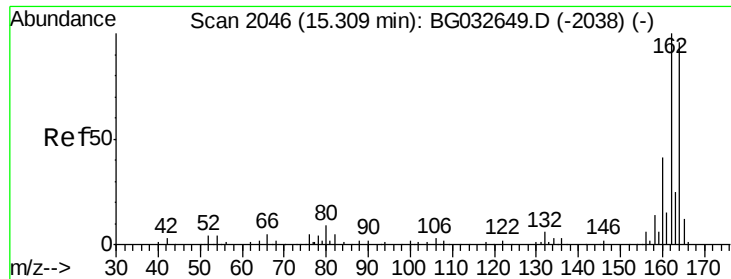
Tot Ion:127	Resp:	9481
Ion Ratio	Lower	Upper
127	100	
129	78.0	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#



#37
2-Methylnaphthalene
Concen: 3.115 ng
RT: 13.15 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion:142	Resp:	13074
Ion Ratio	Lower	Upper
142	100	
141	74.4	67.1 100.7
115	31.9	30.7 46.1

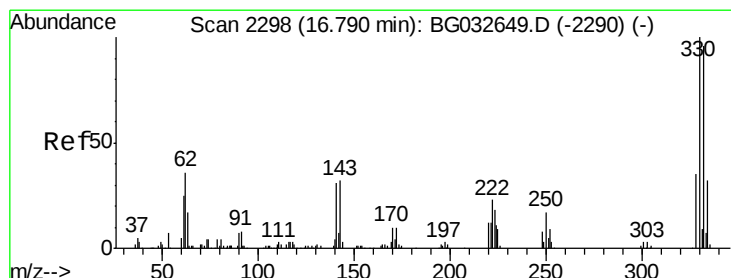
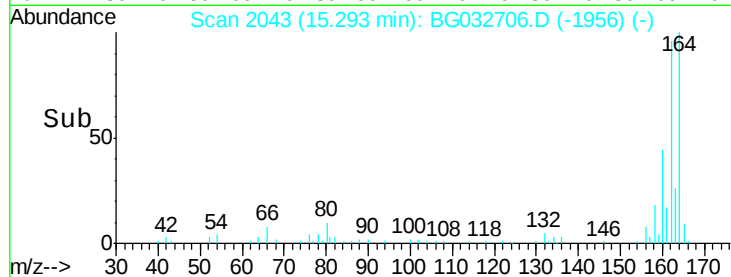
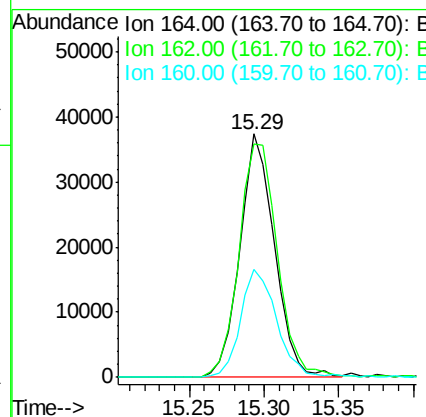
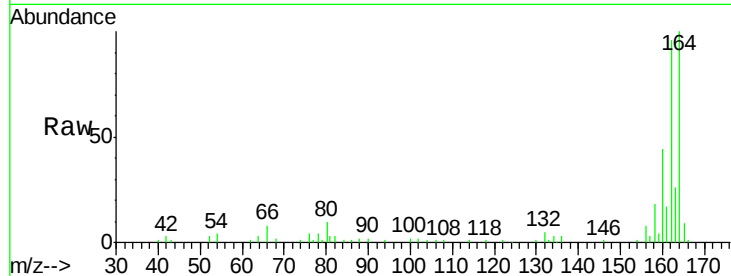




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.02 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

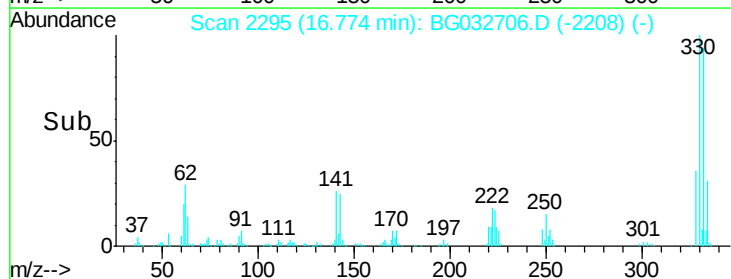
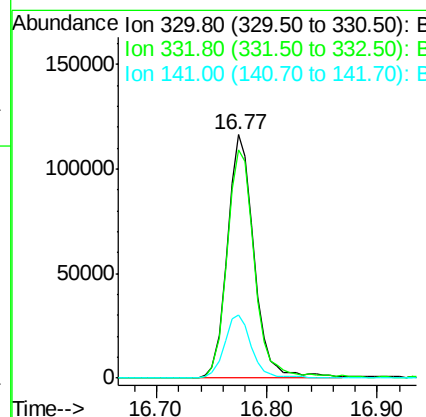
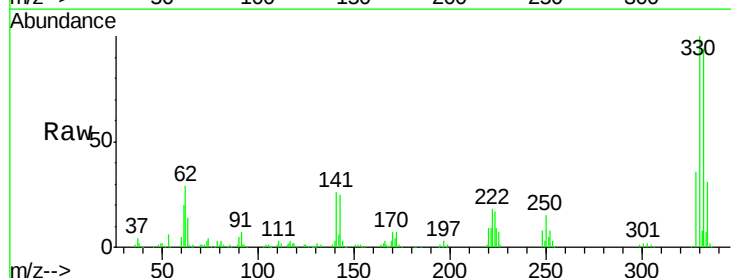
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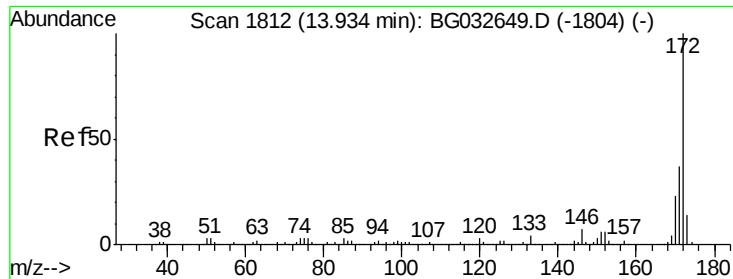
Tot Ion:164 Resp: 60261
 Ion Ratio Lower Upper
 164 100
 162 95.6 78.8 118.2
 160 44.4 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 212.747 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.02 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

Tgt Ion:330 Resp: 197406
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 25.9 25.2 37.8

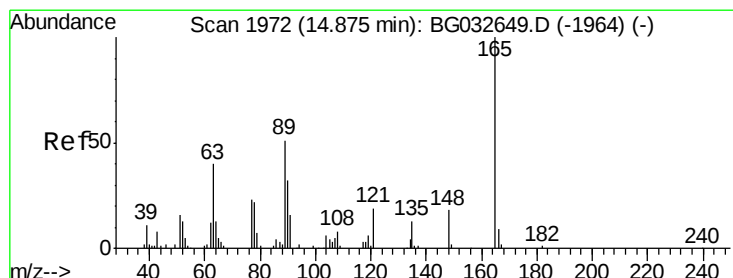
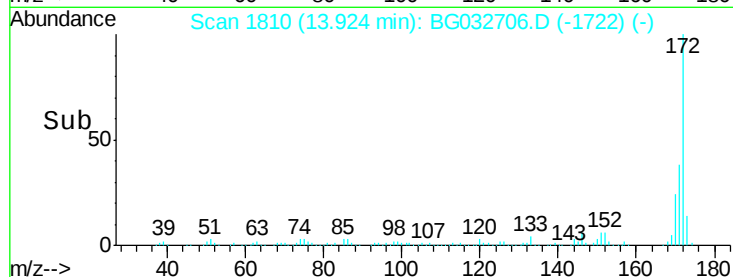
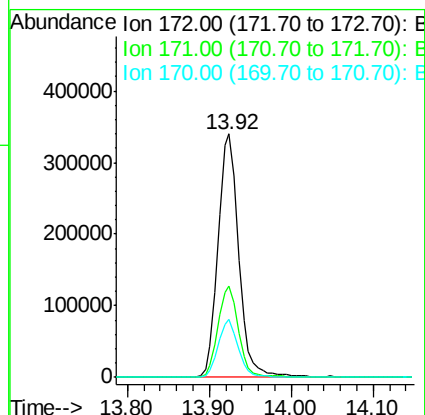
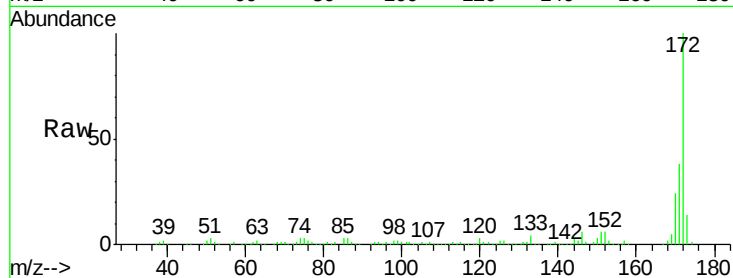




#44
 2-Fluorobiphenyl
 Concen: 124.834 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

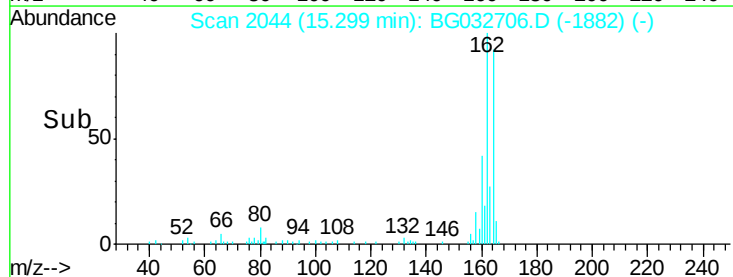
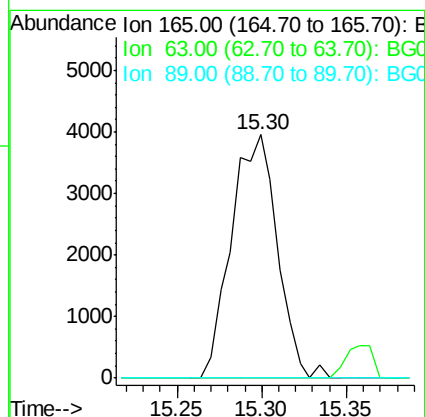
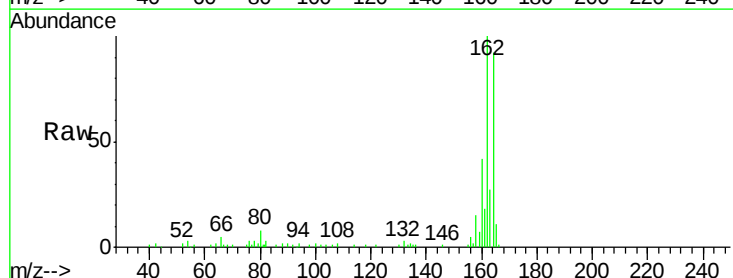
Instrument :
 BNA_G
 ClientSampleId :

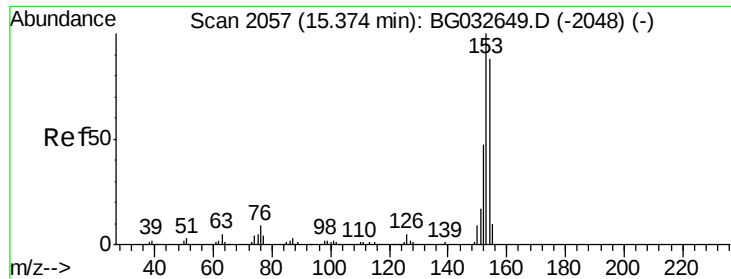
Tot Ion:172 Resp: 601558
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 23.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.982 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. 0.42 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

Tgt Ion:165 Resp: 7490
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#51

Acenaphthene

Concen: 3.448 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.02 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA_G

ClientSampleId :

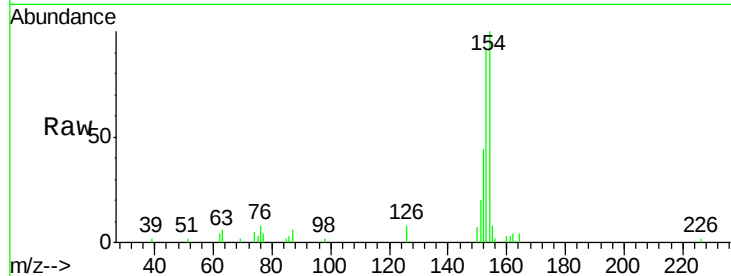
Tot Ion:154 Resp: 13591

Ion Ratio Lower Upper

154 100

153 90.6 90.4 135.6

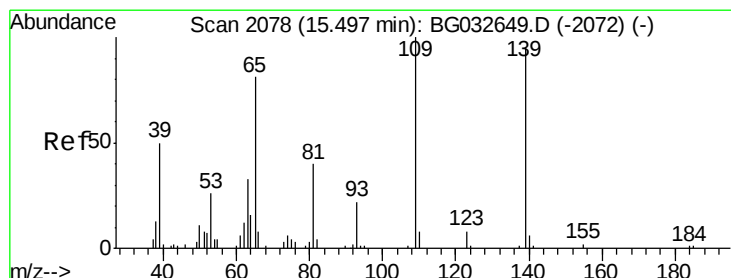
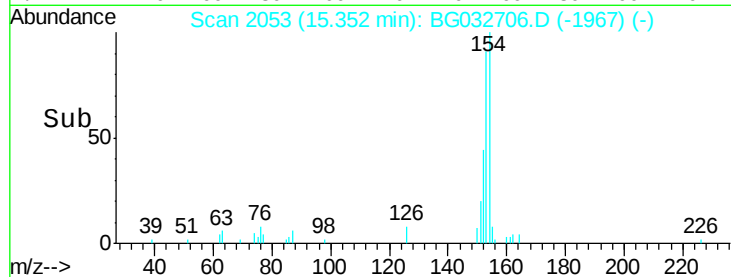
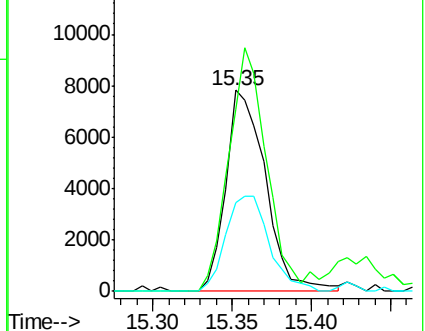
152 44.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 11.568 ng

RT: 15.69 min Scan# 2110

Delta R.T. 0.19 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

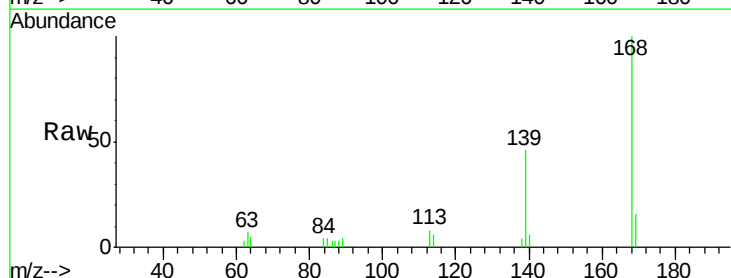
Tgt Ion:139 Resp: 4588

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

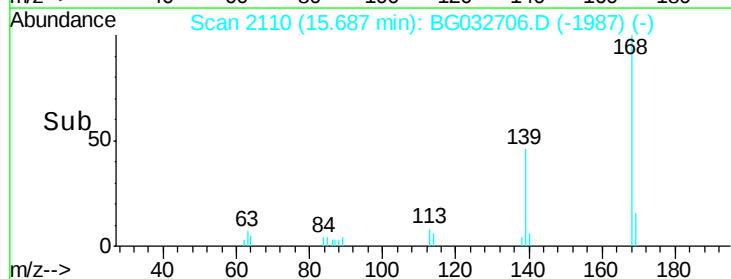
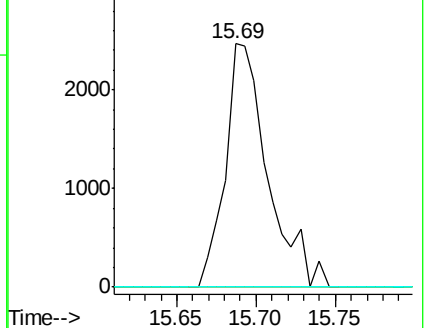
65 0.0 97.2 137.2#

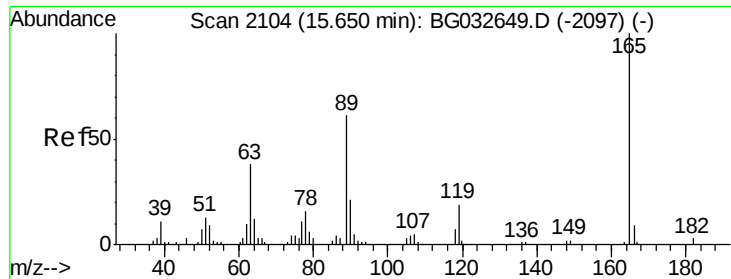


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

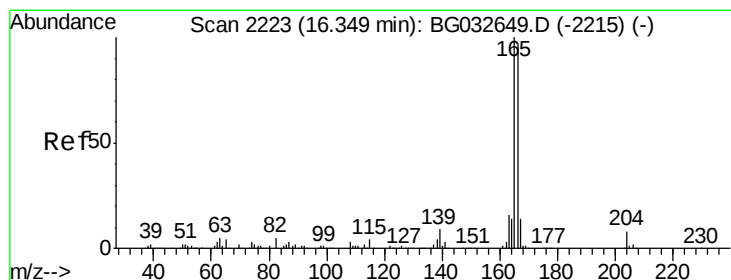
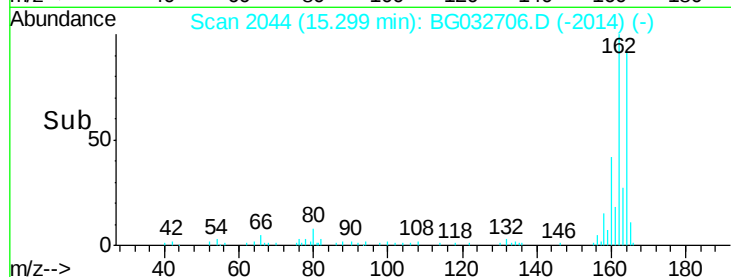
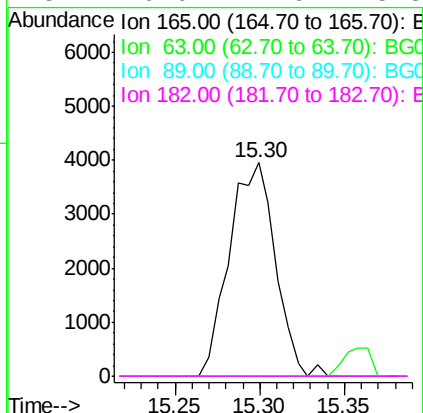
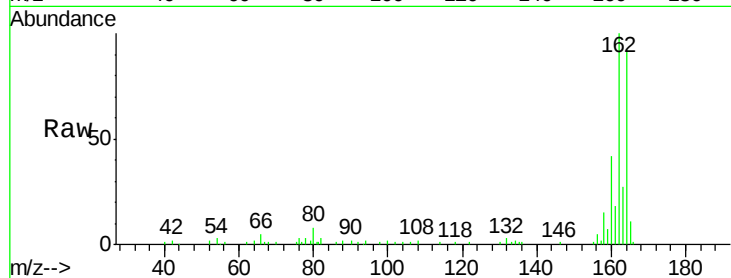




#56
2,4-Dinitrotoluene
Concen: 5.067 ng
RT: 15.30 min Scan# 2044
Delta R.T. -0.35 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

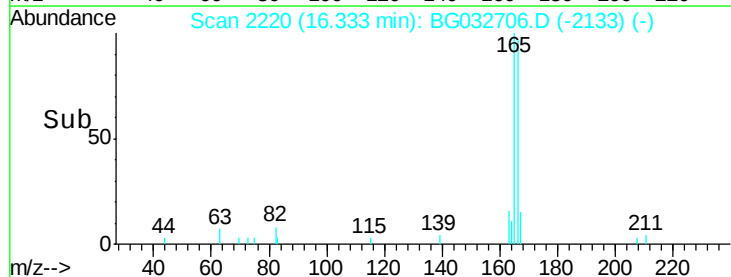
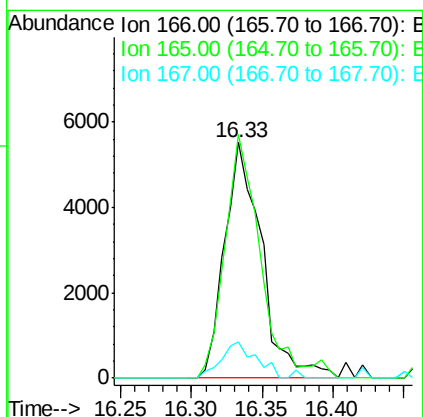
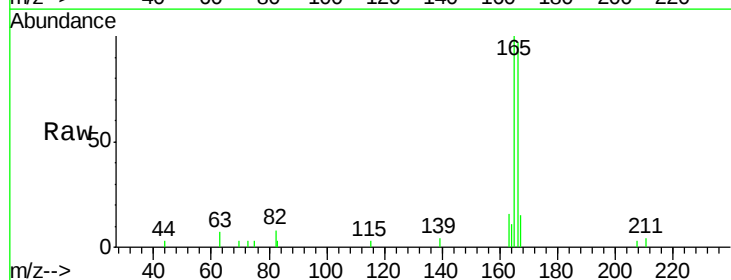
Instrument :
BNA_G
ClientSampleId :

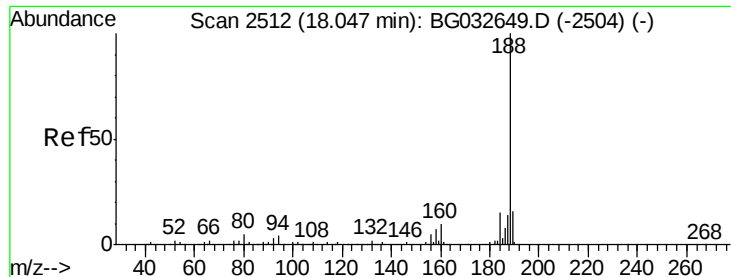
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#57
Fluorene
Concen: 2.091 ng
RT: 16.33 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	80.6	121.0
167	15.6	10.4	15.6#

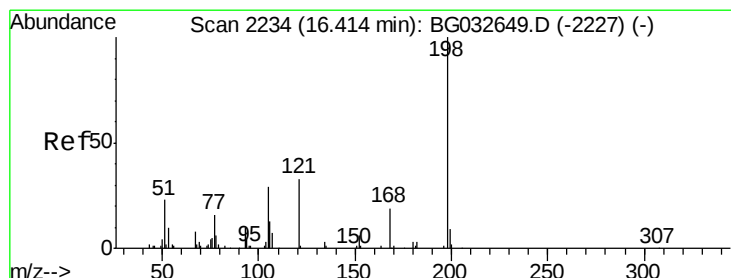
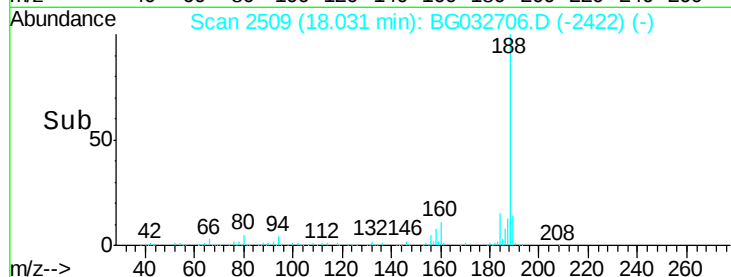
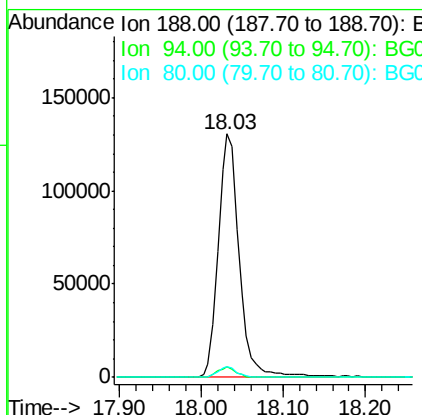
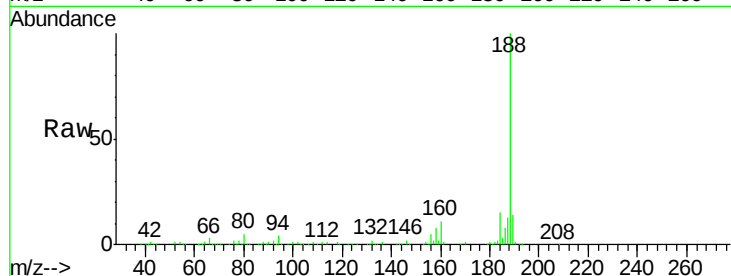




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

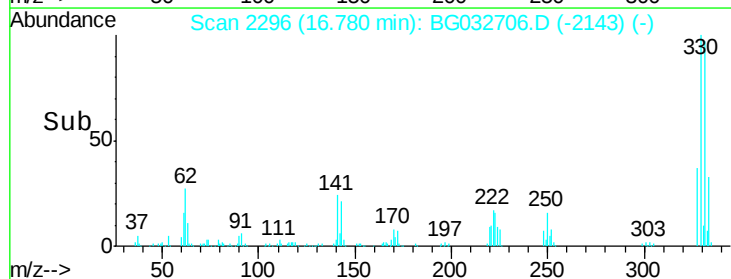
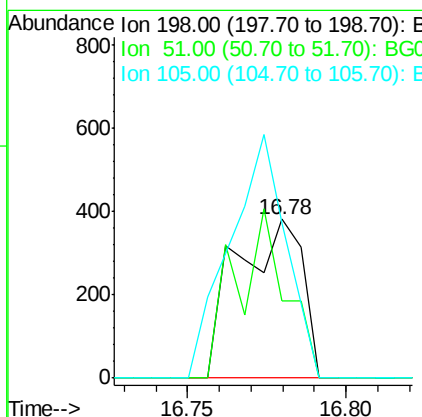
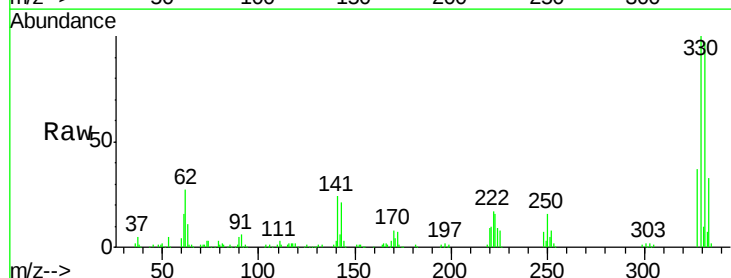
Instrument :
BNA_G
ClientSampleId :

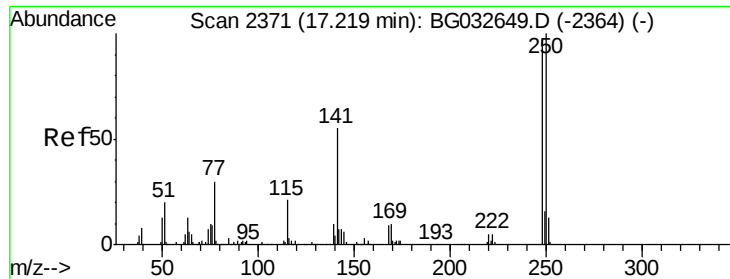
Tot Ion:188 Resp: 233116
Ion Ratio Lower Upper
188 100
94 4.1 6.9 10.3#
80 4.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.312 ng
RT: 16.78 min Scan# 2296
Delta R.T. 0.37 min
Lab File: BG032706.D
Acq: 15 Feb 2018 8:23

Tgt Ion:198 Resp: 546
Ion Ratio Lower Upper
198 100
51 48.3 30.6 70.6
105 97.9 23.8 63.8#

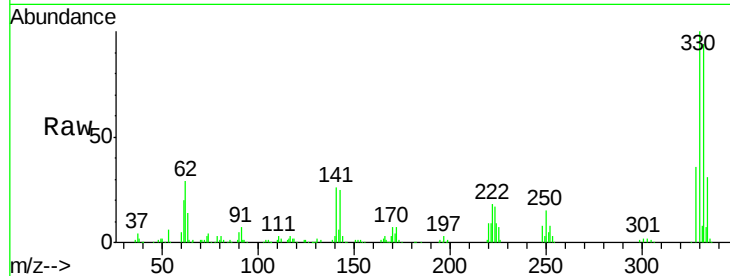




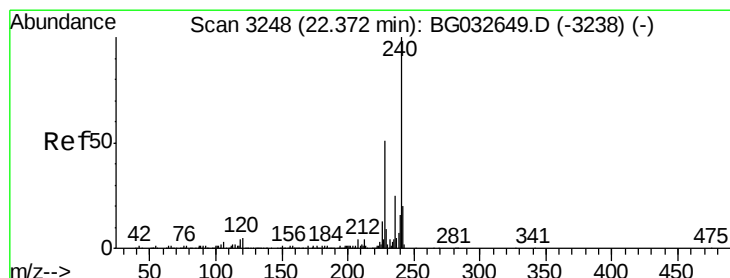
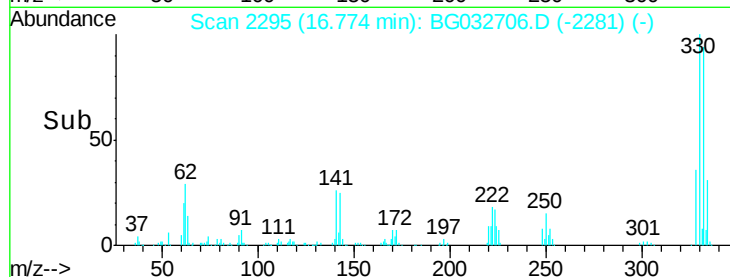
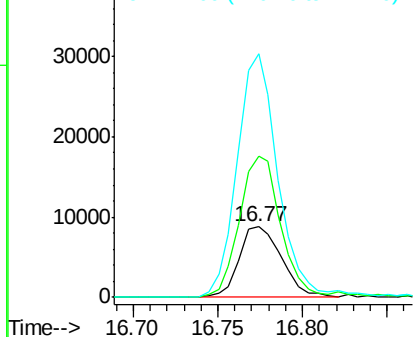
#66
 4-Bromophenyl-phenylether
 Concen: 4.574 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.44 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15260
 Ion Ratio Lower Upper
 248 100
 250 199.5 77.1 115.7#
 141 345.4 50.8 76.2#

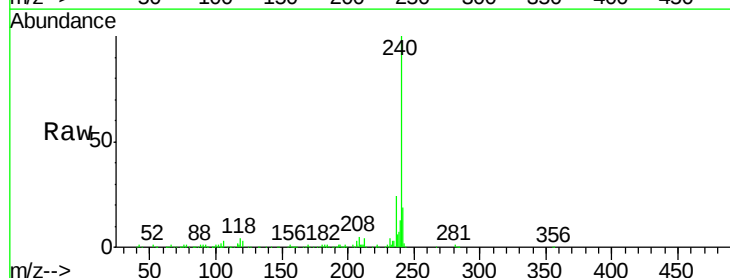


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

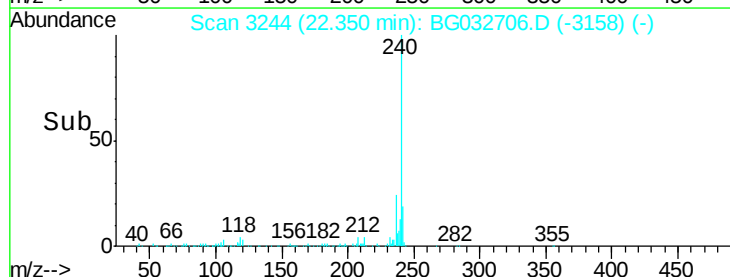
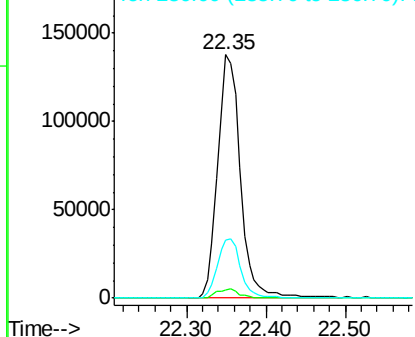


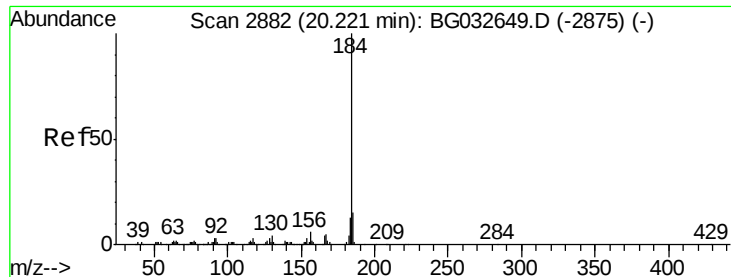
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.35 min Scan# 3244
 Delta R.T. -0.02 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

Tgt Ion:240 Resp: 275056
 Ion Ratio Lower Upper
 240 100
 120 3.2 6.8 10.2#
 236 23.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.077 ng

RT: 20.58 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

Instrument :

BNA_G

ClientSampleId :

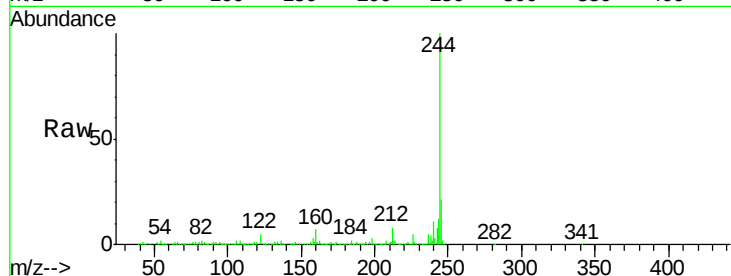
Tot Ion:184 Resp: 19930

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

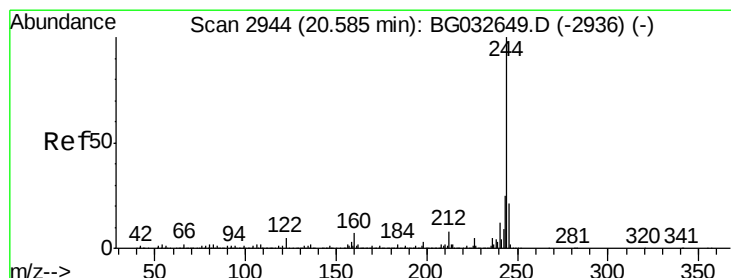
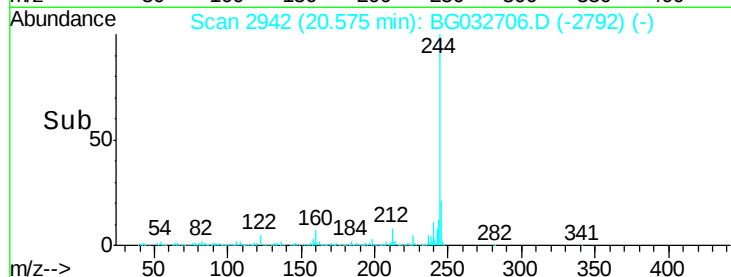
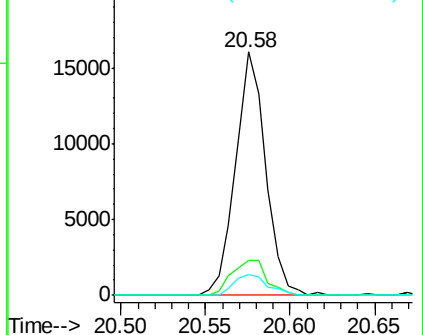
183 8.7 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 112.051 ng

RT: 20.58 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032706.D

Acq: 15 Feb 2018 8:23

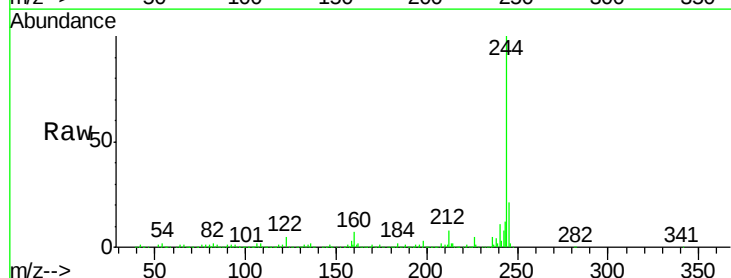
Tgt Ion:244 Resp: 1352238

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

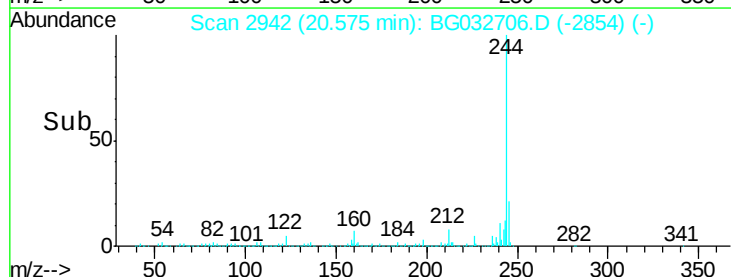
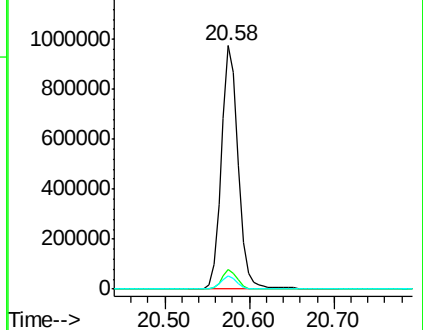
122 5.4 7.0 10.4#

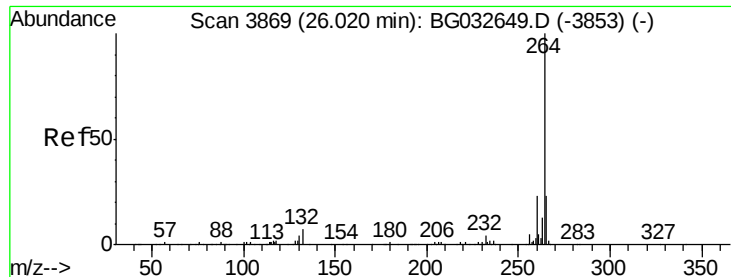


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.98 min Scan# 3862
 Delta R.T. -0.04 min
 Lab File: BG032706.D
 Acq: 15 Feb 2018 8:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 326281
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.4 26.0
 265 23.6 17.7 26.5

