

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032705.D
 Acq On : 15 Feb 2018 7:46
 Operator : SJ/JU
 Sample : J1541-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 11:06:56 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	25661	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	105274	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	61438	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	217735	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	298772	20.00	ng	-0.02
86) Perylene-d12	25.99	264	357032	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	174470	136.41	ng	-0.01
7) Phenol-d6	7.78	99	169797	97.09	ng	-0.02
23) Nitrobenzene-d5	9.85	82	155467	93.86	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	205854	217.60	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	595146	121.14	ng	-0.01
78) Terphenyl-d14	20.58	244	1469356	112.09	ng	0.00

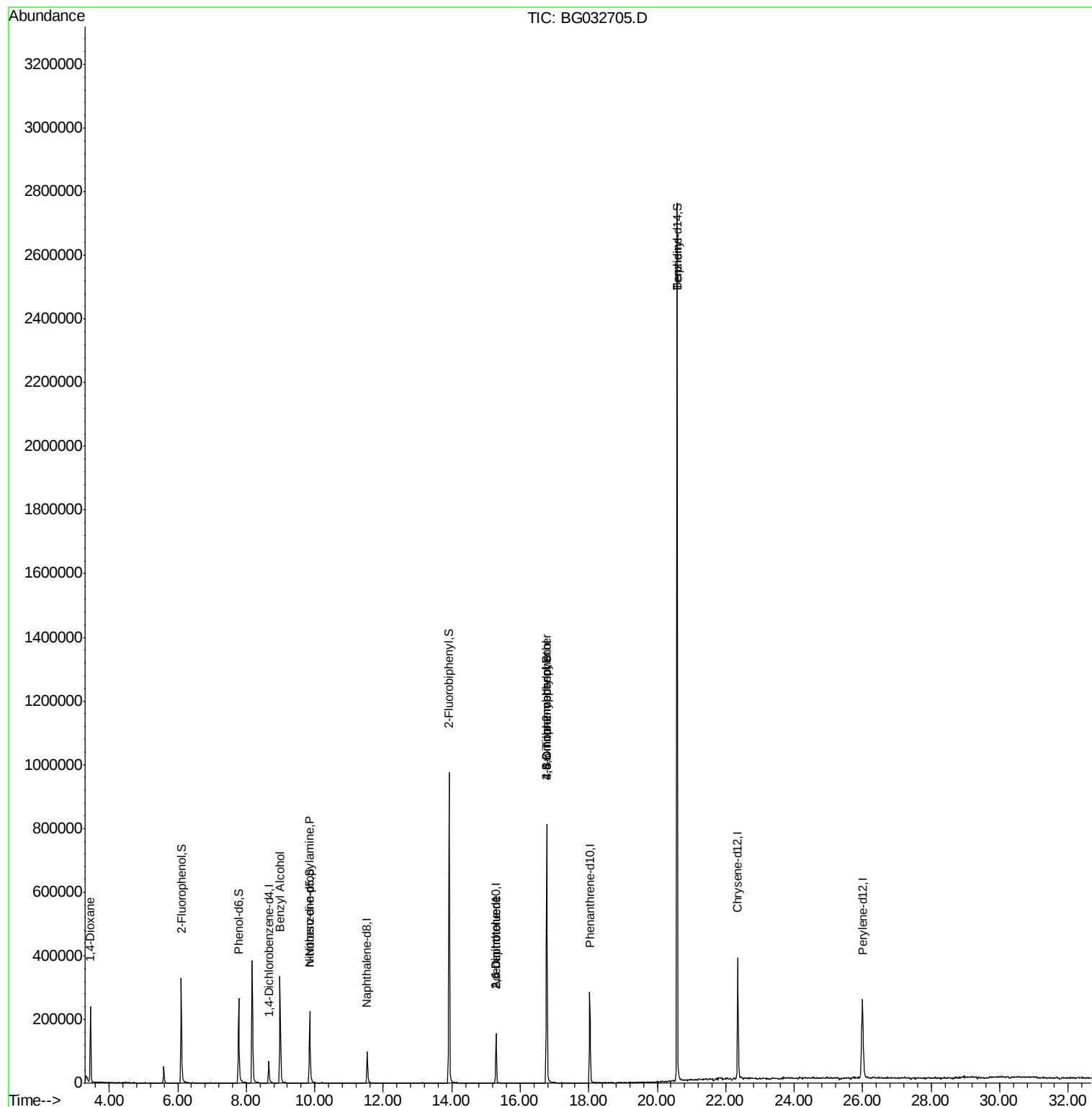
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	3075	5.747	ng	# 1
15) Benzyl Alcohol	8.99	79	3017	2.302	ng	# 48
19) n-Nitroso-di-n-propylamine	9.85	70	22491	19.129	ng	# 77
50) 2,6-Dinitrotoluene	15.29	165	7717	7.056	ng	# 18
56) 2,4-Dinitrotoluene	15.29	165	7717	5.121	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.77	198	547	5.333	ng	# 70
66) 4-Bromophenyl-phenylether	16.77	248	16389	5.259	ng	# 1
76) Benzidine	20.58	184	22313	3.172	ng	# 92

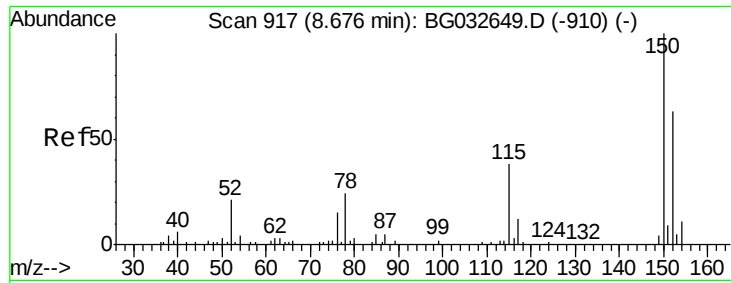
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

Instrument :

BNA_G

ClientSampled :

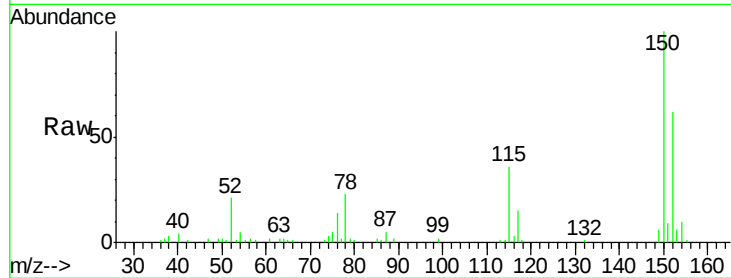
Tot Ion:152 Resp: 25661

Ion Ratio Lower Upper

152 100

150 162.0 126.6 189.8

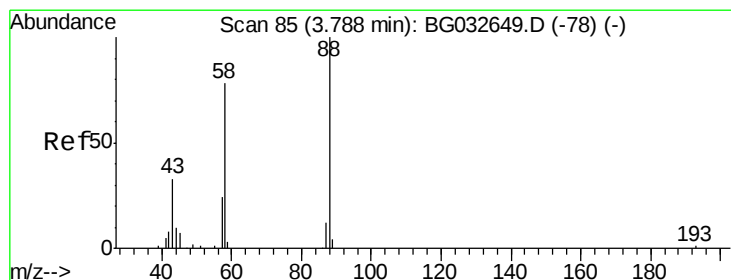
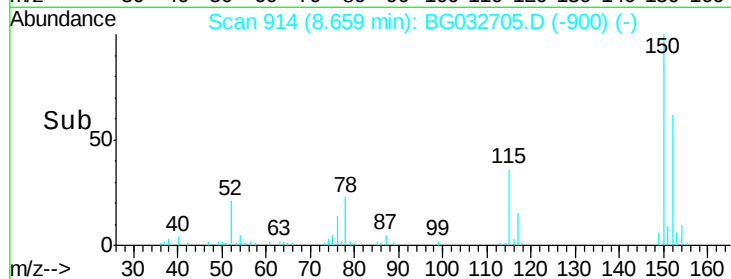
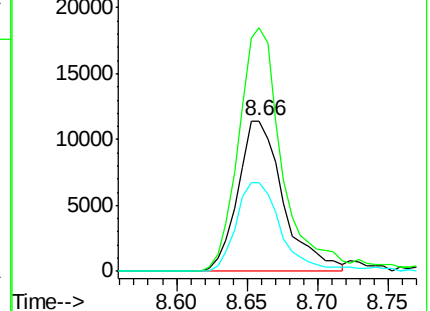
115 59.1 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.747 ng

RT: 3.45 min Scan# 28

Delta R.T. -0.33 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

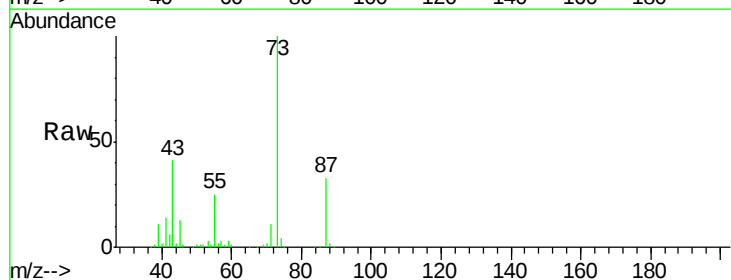
Tgt Ion: 88 Resp: 3075

Ion Ratio Lower Upper

88 100

58 29.5 79.6 119.4#

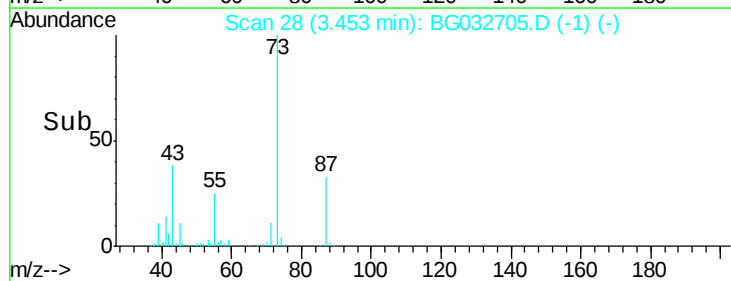
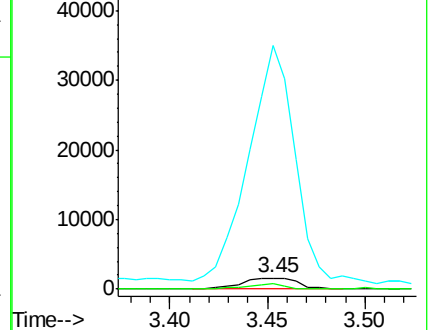
43 1834.7 27.4 41.0#

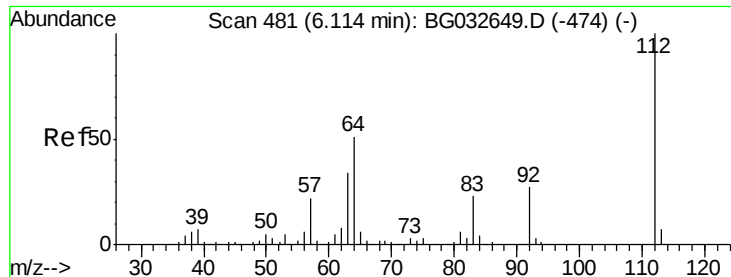


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 136.412 ng

RT: 6.10 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

Instrument :

BNA_G

ClientSampleId :

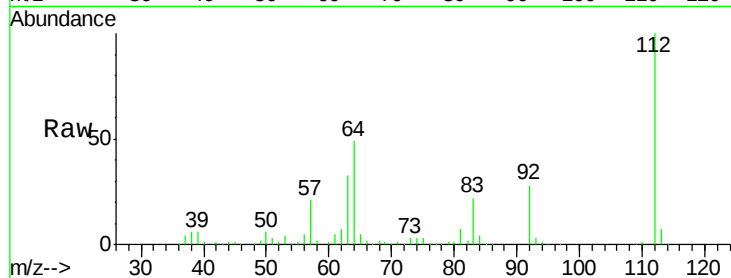
Tot Ion:112 Resp: 174470

Ion Ratio Lower Upper

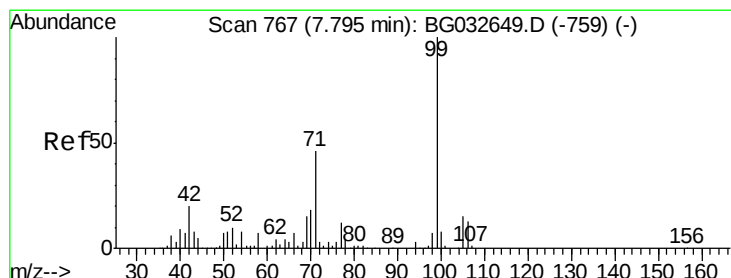
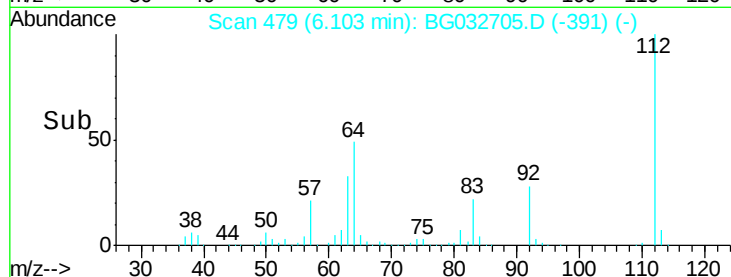
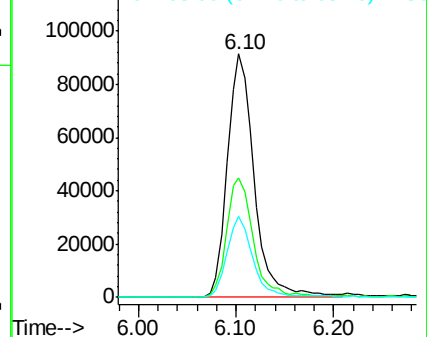
112 100

64 49.1 56.3 84.5#

63 33.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 97.089 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

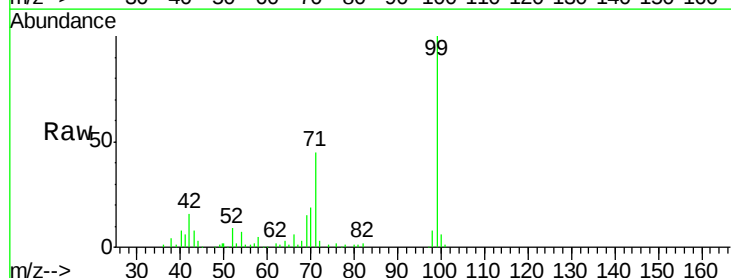
Tgt Ion: 99 Resp: 169797

Ion Ratio Lower Upper

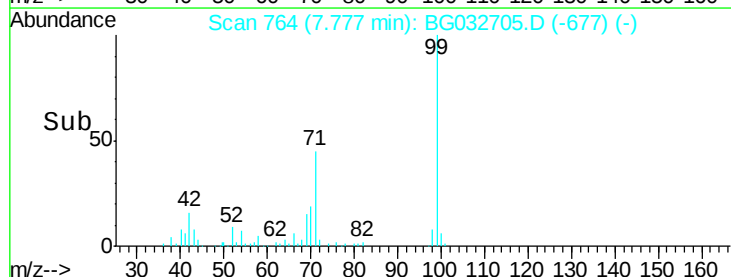
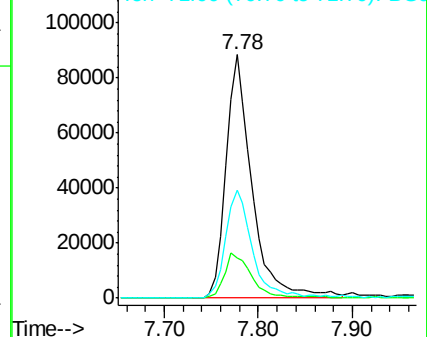
99 100

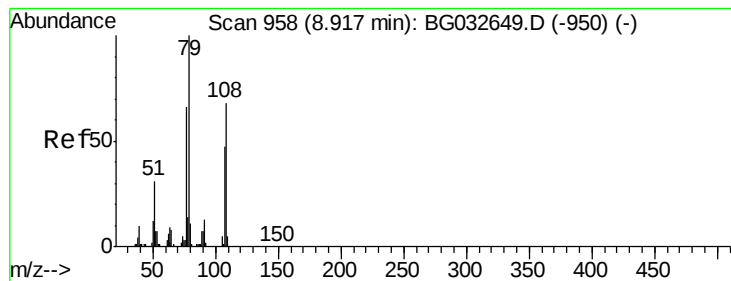
42 16.2 14.1 21.1

71 44.5 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: 2.302 ng

RT: 8.99 min Scan# 970

Delta R.T. 0.07 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

Instrument :

BNA_G

ClientSampled :

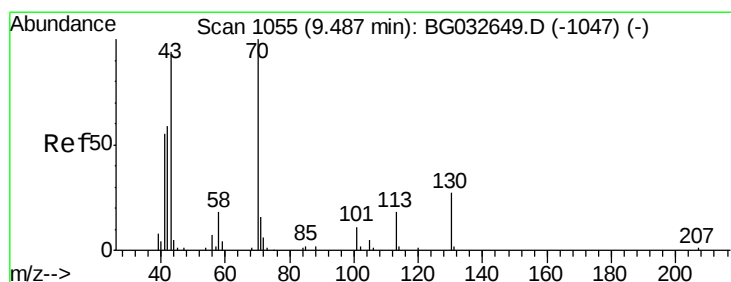
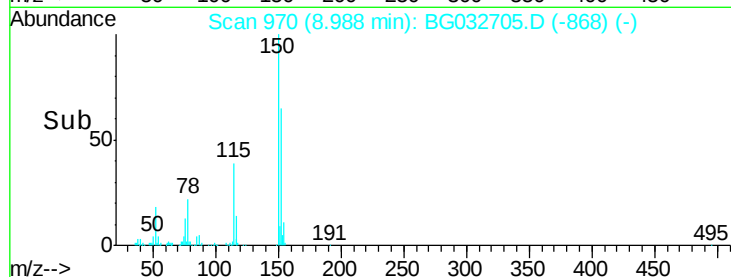
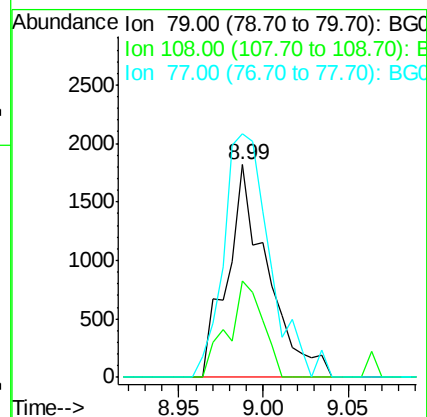
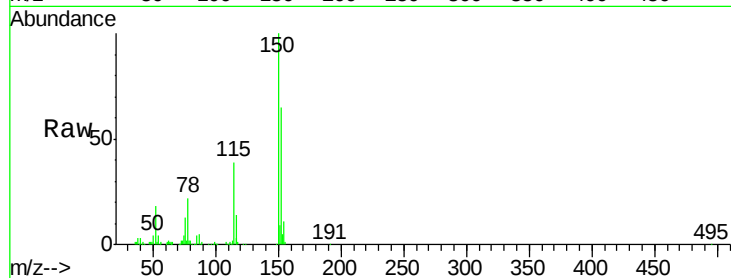
Tot Ion: 79 Resp: 3017

Ion Ratio Lower Upper

79 100

108 45.4 57.2 85.8#

77 114.5 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.129 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

Tgt Ion: 70 Resp: 22491

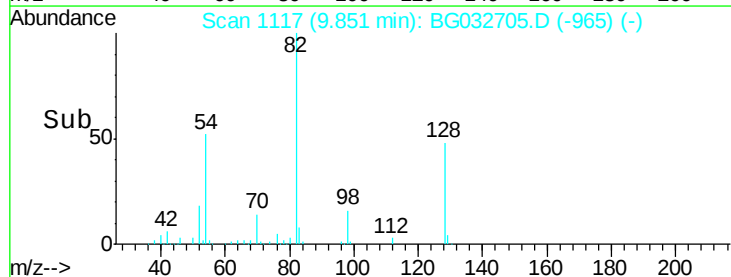
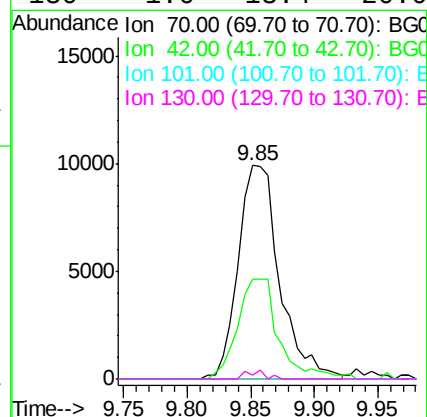
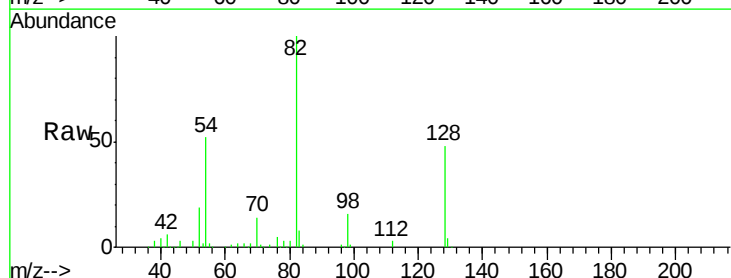
Ion Ratio Lower Upper

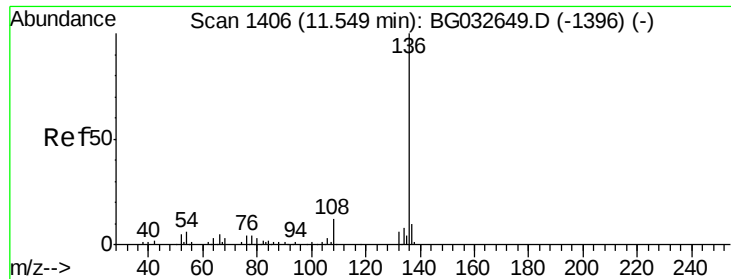
70 100

42 47.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

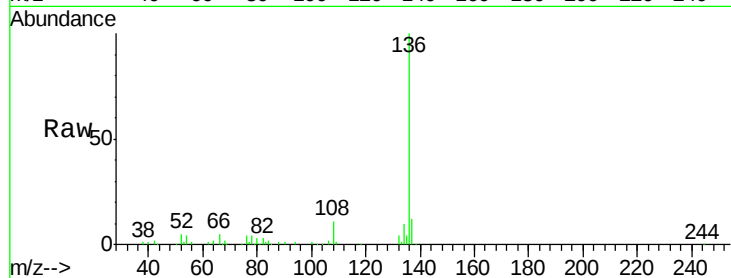




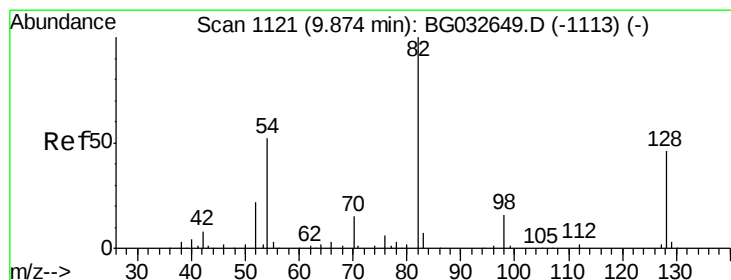
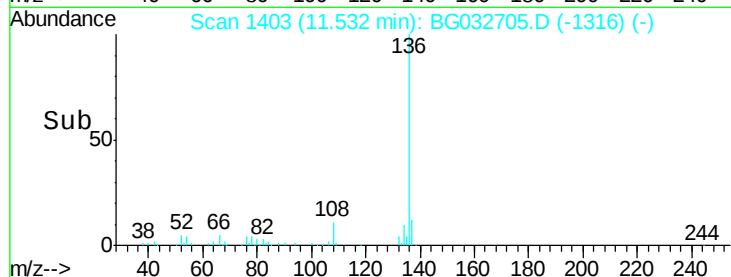
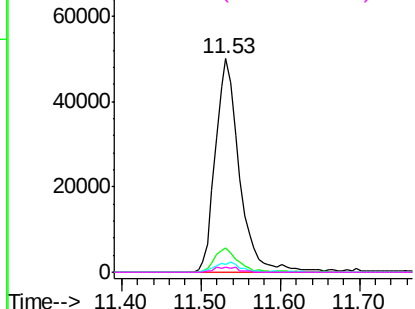
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	105274
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.2 13.8
54	3.5	10.3 15.5#
68	2.8	4.5 6.7#

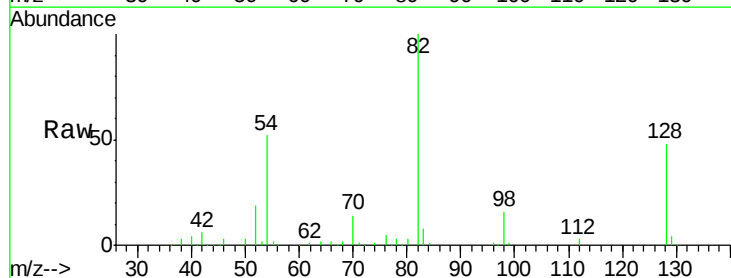


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

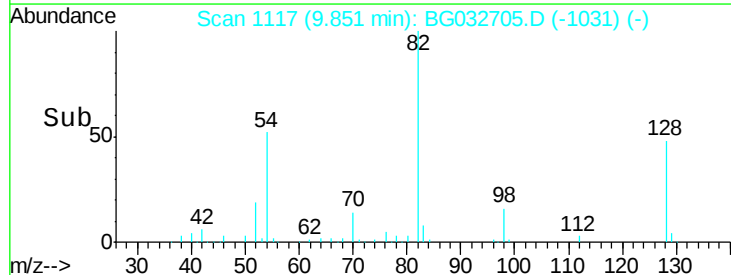
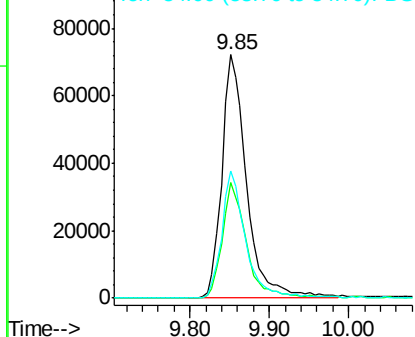


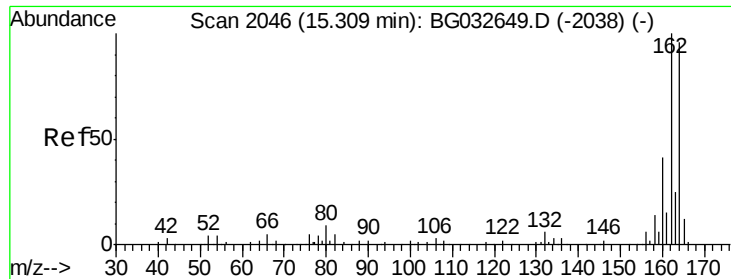
#23
Nitrobenzene-d5
Concen: 93.857 ng
RT: 9.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

Tgt Ion: 82	Resp:	155467
Ion	Ratio	Lower Upper
82	100	
128	47.5	29.7 44.5#
54	52.3	43.1 64.7



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

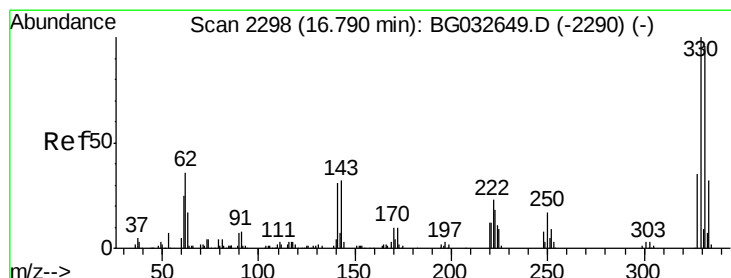
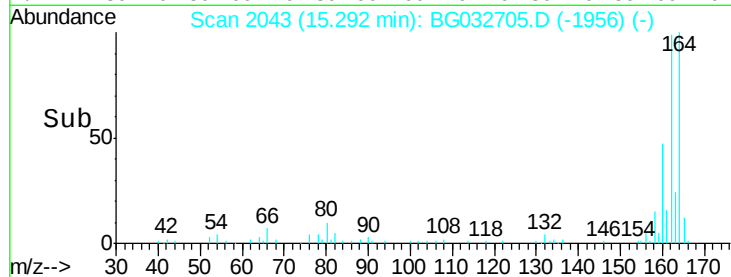
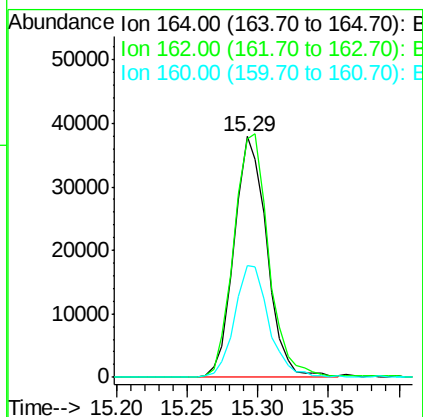
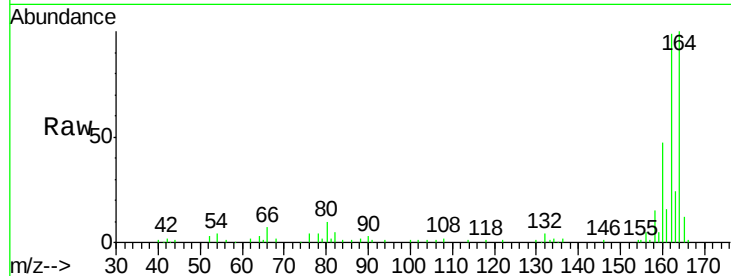




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

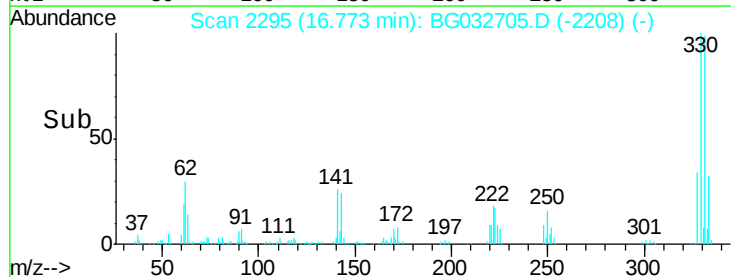
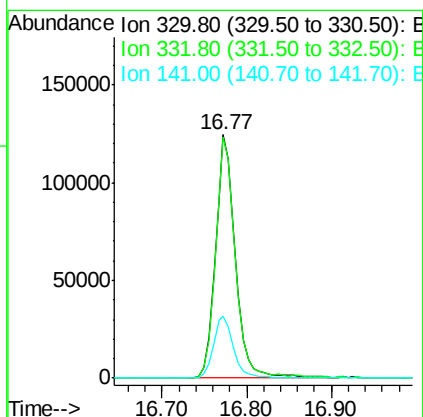
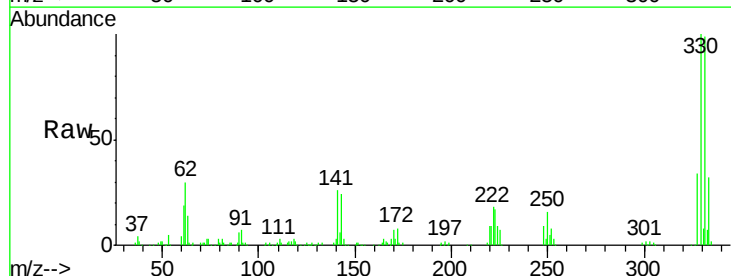
Instrument :
BNA_G
ClientSampled :

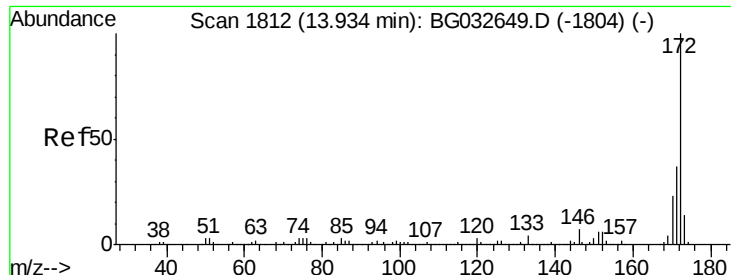
Tot Ion:164 Resp: 61438
Ion Ratio Lower Upper
164 100
162 99.1 78.8 118.2
160 46.6 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 217.601 ng
RT: 16.77 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

Tgt Ion:330 Resp: 205854
Ion Ratio Lower Upper
330 100
332 99.0 77.0 115.6
141 25.7 25.2 37.8

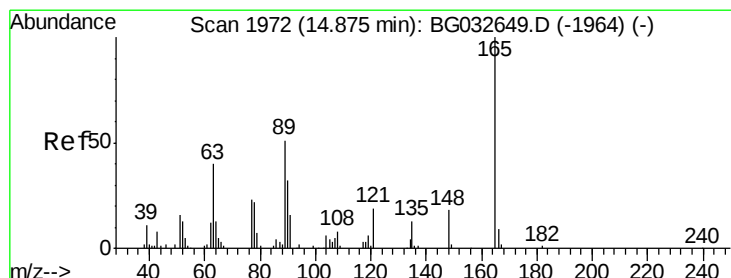
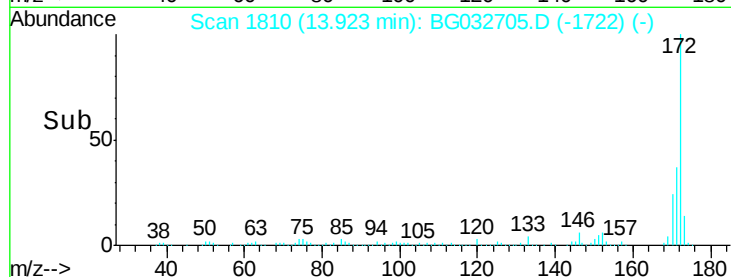
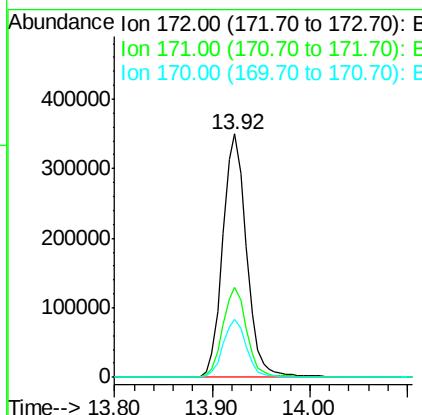
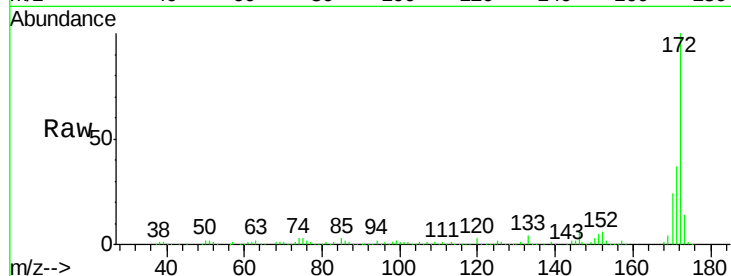




#44
 2-Fluorobiphenyl
 Concen: 121.138 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032705.D
 Acq: 15 Feb 2018 7:46

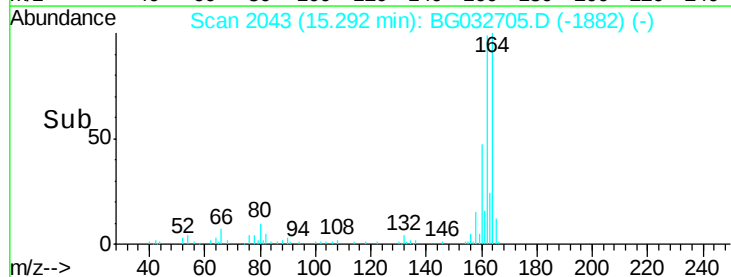
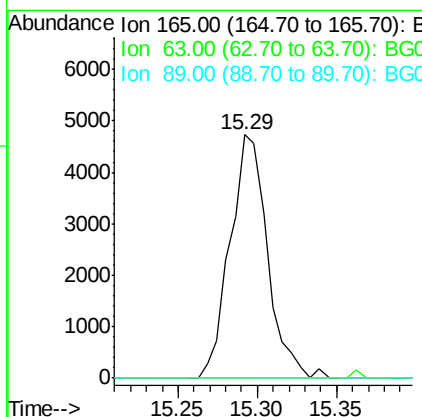
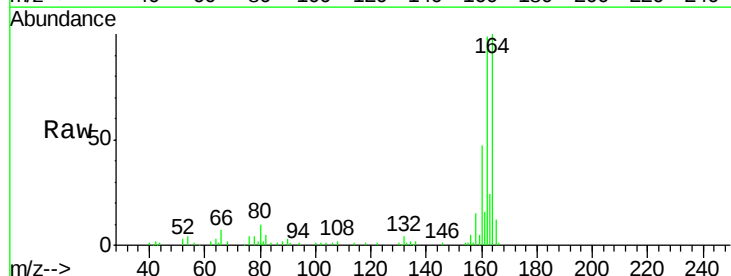
Instrument :
 BNA_G
 ClientSampleId :

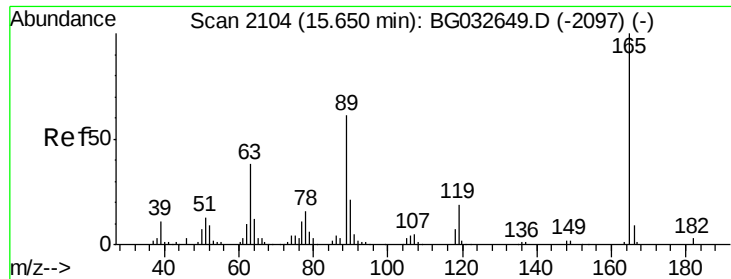
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.9	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.056 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. 0.42 min
 Lab File: BG032705.D
 Acq: 15 Feb 2018 7:46

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

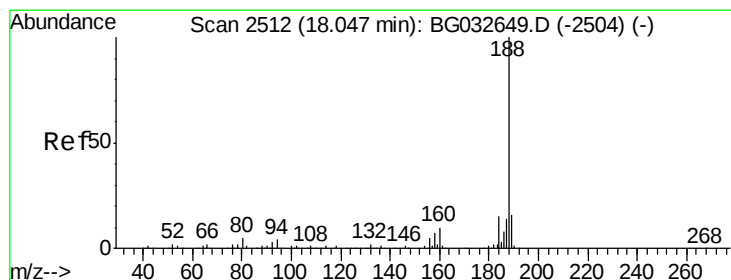
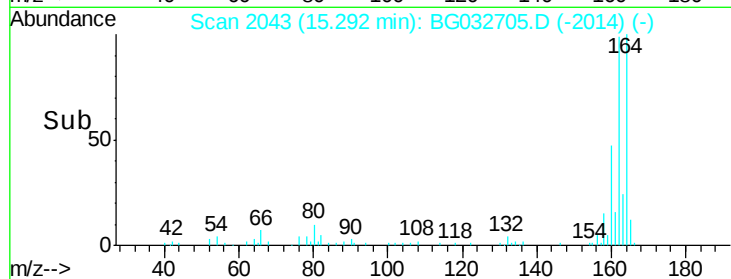
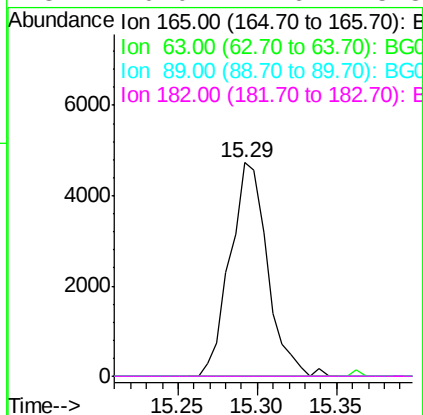
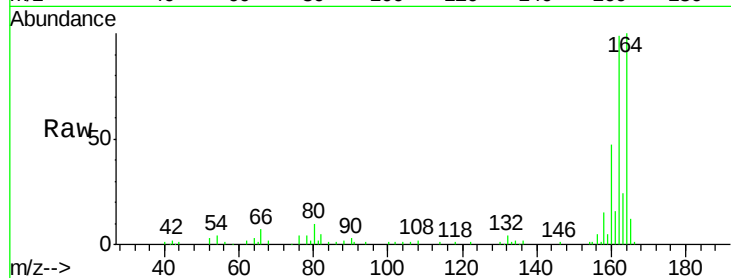




#56
2,4-Dinitrotoluene
Concen: 5.121 ng
RT: 15.29 min Scan# 2043
Delta R.T. -0.36 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

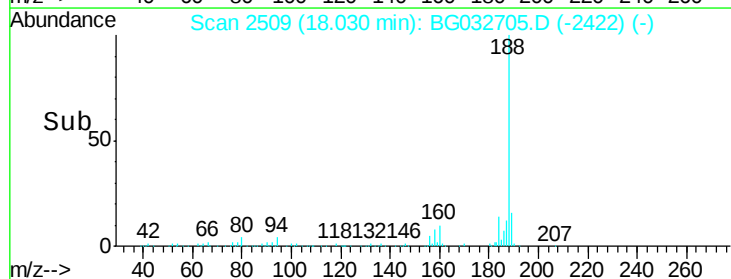
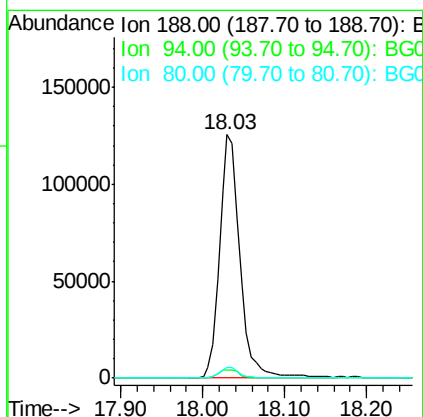
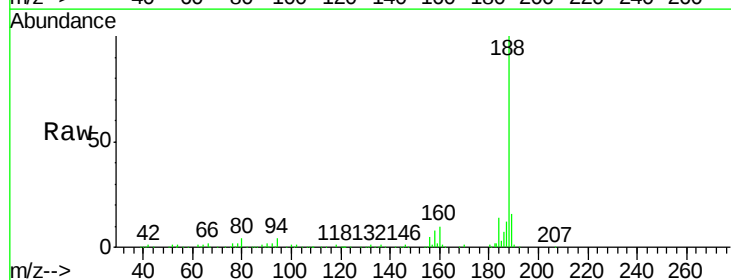
Instrument :
BNA_G
ClientSampleId :

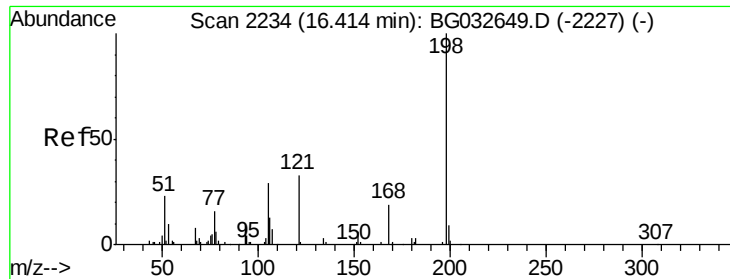
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032705.D
Acq: 15 Feb 2018 7:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.5	6.9	10.3#
80	4.1	7.7	11.5#

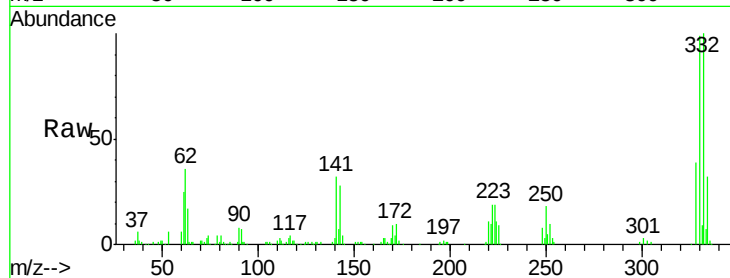




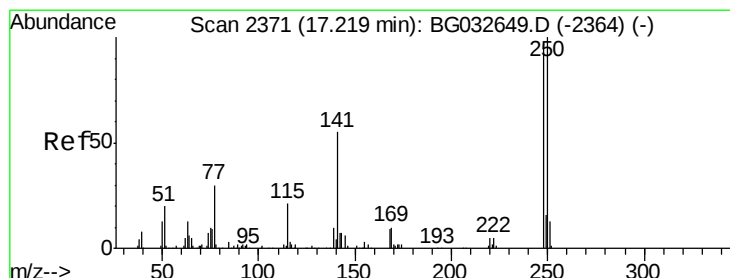
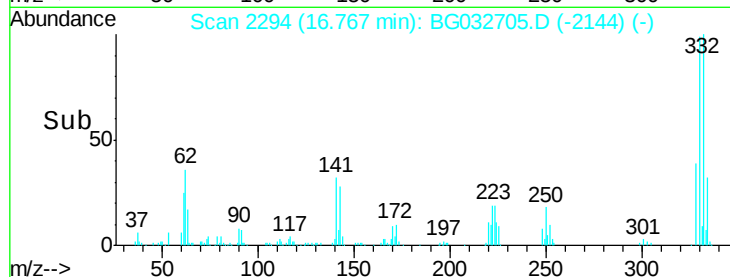
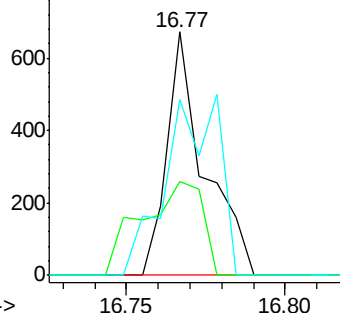
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.333 ng
 RT: 16.77 min Scan# 2294
 Delta R.T. 0.35 min
 Lab File: BG032705.D
 Acq: 15 Feb 2018 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 547
 Ion Ratio Lower Upper
 198 100
 51 38.7 30.6 70.6
 105 72.3 23.8 63.8#

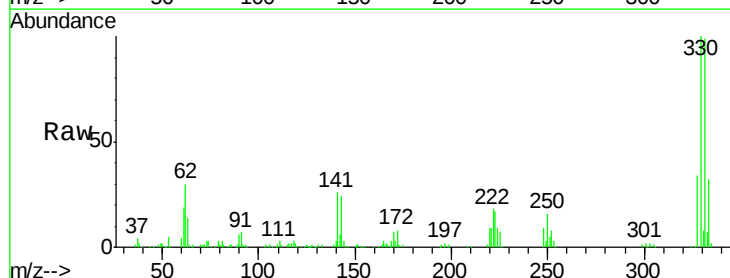


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

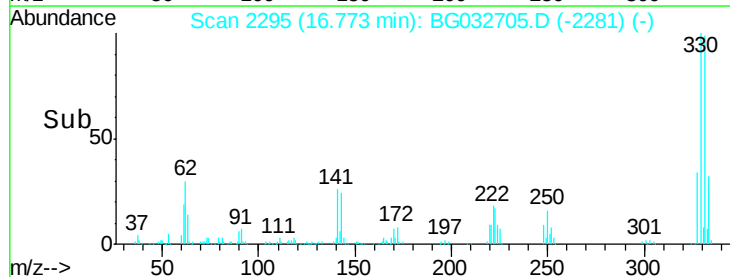
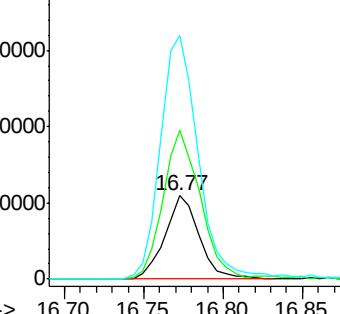


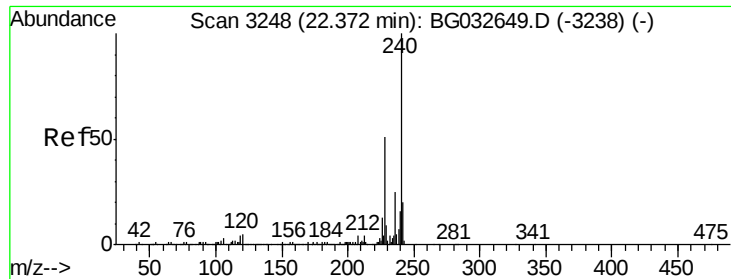
#66
 4-Bromophenyl-phenylether
 Concen: 5.259 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.45 min
 Lab File: BG032705.D
 Acq: 15 Feb 2018 7:46

Tgt Ion:248 Resp: 16389
 Ion Ratio Lower Upper
 248 100
 250 178.8 77.1 115.7#
 141 291.5 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: BG032705.D

Acq: 15 Feb 2018 7:46

Instrument :

BNA_G

ClientSampleId :

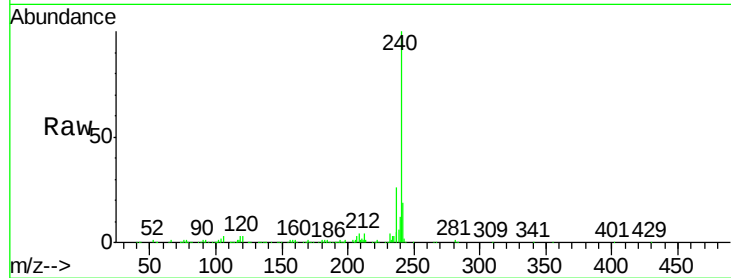
Tot Ion:240 Resp: 298772

Ion Ratio Lower Upper

240 100

120 3.3 6.8 10.2#

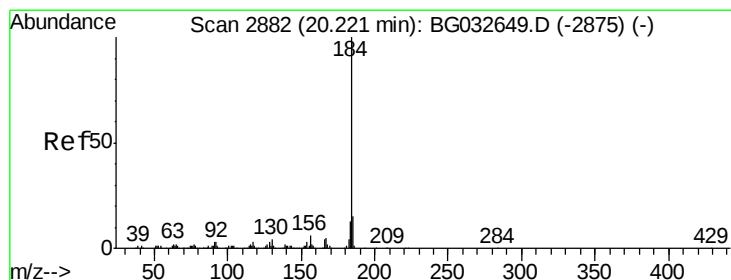
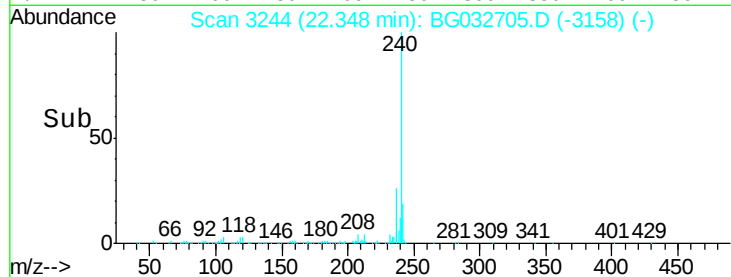
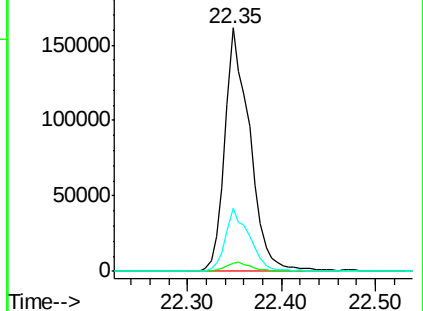
236 25.8 20.9 31.3



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: 3.172 ng

RT: 20.58 min Scan# 2943

Delta R.T. 0.36 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

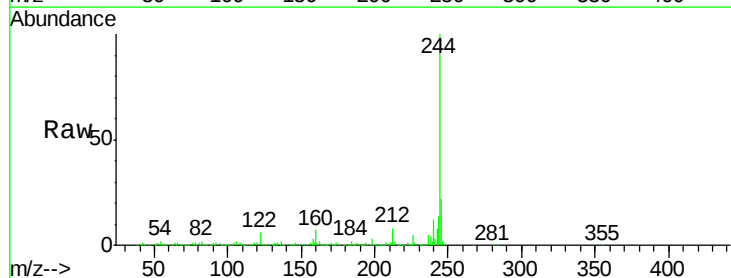
Tgt Ion:184 Resp: 22313

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

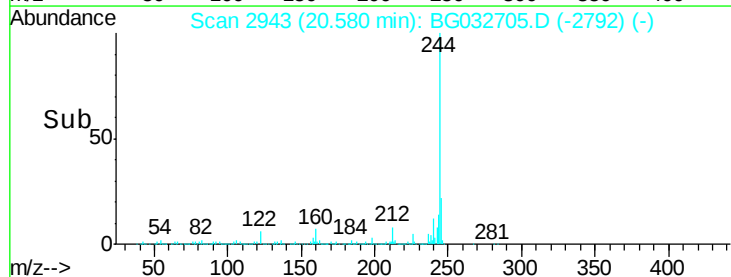
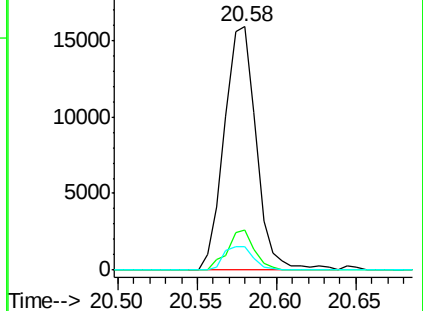
183 9.4 10.6 16.0#

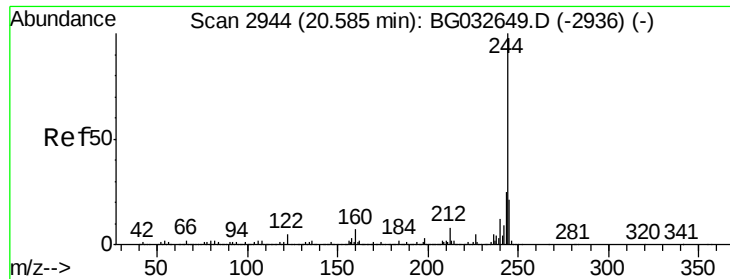


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 112.091 ng

RT: 20.58 min Scan# 2943

Delta R.T. -0.01 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

Instrument :

BNA_G

ClientSampled :

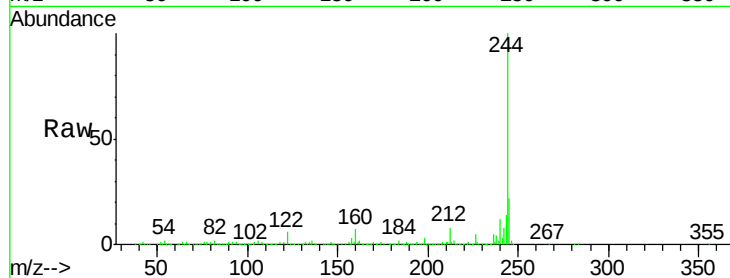
Tot Ion:244 Resp: 1469356

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

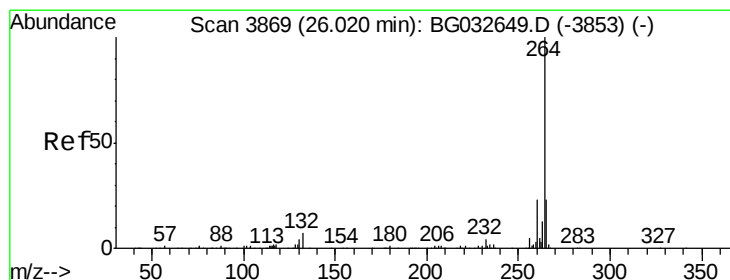
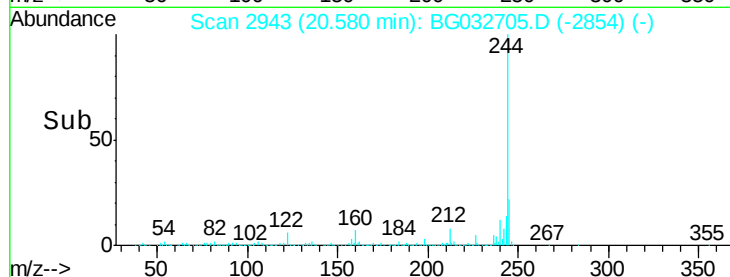
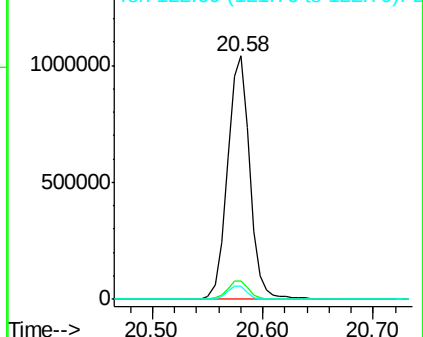
122 5.6 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.99 min Scan# 3864

Delta R.T. -0.03 min

Lab File: BG032705.D

Acq: 15 Feb 2018 7:46

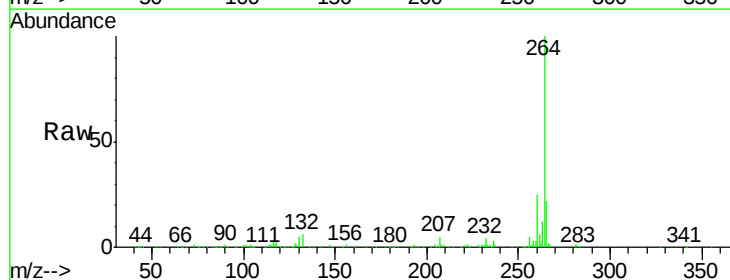
Tgt Ion:264 Resp: 357032

Ion Ratio Lower Upper

264 100

260 24.5 17.4 26.0

265 21.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

