

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032271.D
 Acq On : 24 Jan 2018 21:33
 Operator : SJ/JU
 Sample : J1015-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 04:14:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	42000	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	158921	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	110689	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	320419	20.00	ng	0.00
75) Chrysene-d12	22.42	240	425060	20.00	ng	0.00
86) Perylene-d12	26.11	264	314946	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	309219	134.65	ng	0.00
7) Phenol-d6	7.84	99	359256	124.22	ng	0.00
23) Nitrobenzene-d5	9.92	82	250169	106.50	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	301542	164.63	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	850845	95.31	ng	0.00
78) Terphenyl-d14	20.63	244	1854190	96.32	ng	0.00

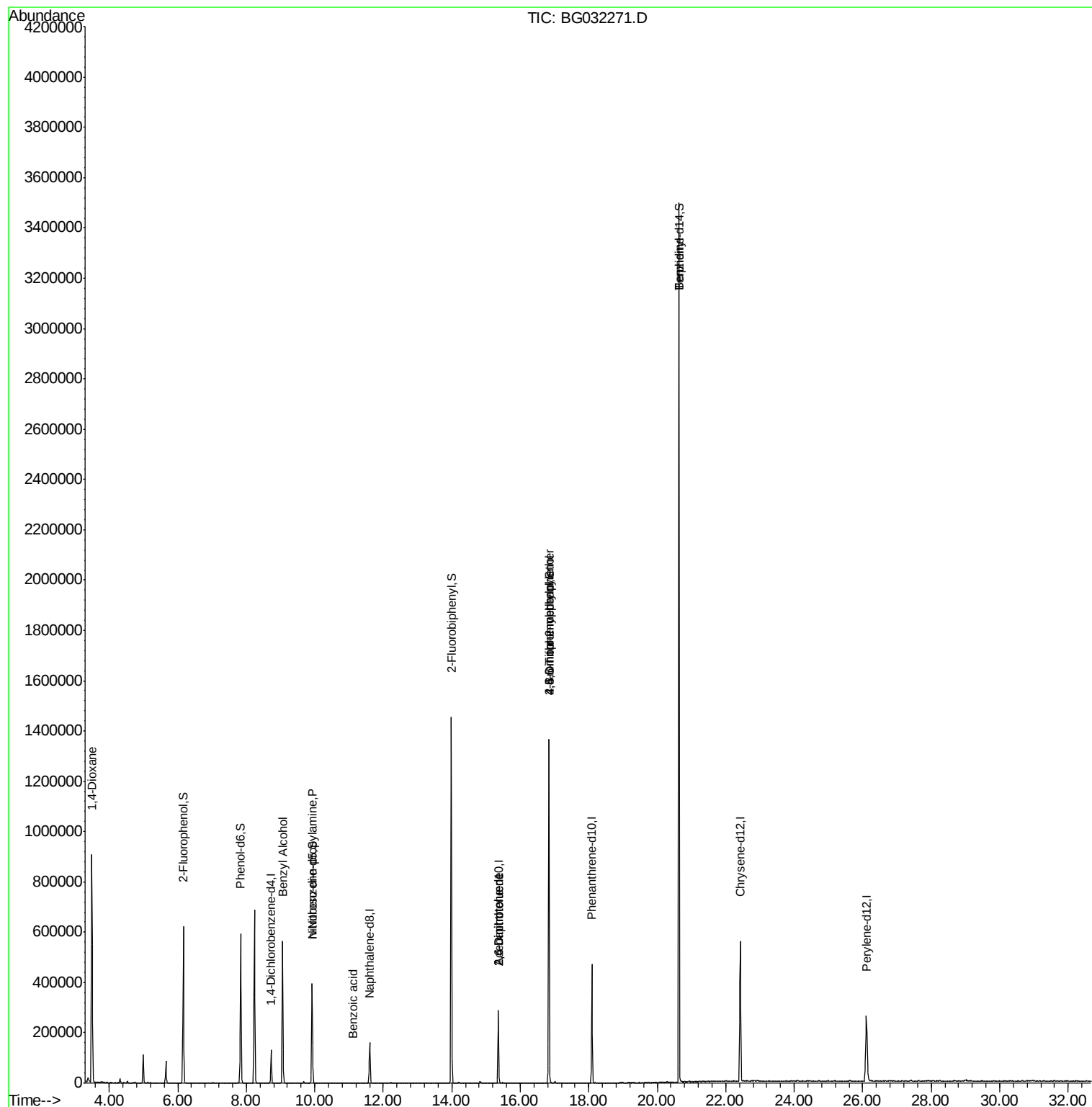
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	10329	11.708	ng	# 1
15) Benzyl Alcohol	9.06	79	4495	2.139	ng	# 49
19) n-Nitroso-di-n-propylamine	9.92	70	35639	19.860	ng	# 75
32) Benzoic acid	11.11	122	68	5.290	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	14012	6.969	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	14012	5.177	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	729	5.204	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	26083	5.721	ng	# 1
76) Benzidine	20.63	184	26901	2.531	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

Instrument :

BNA_G

ClientSampleId :

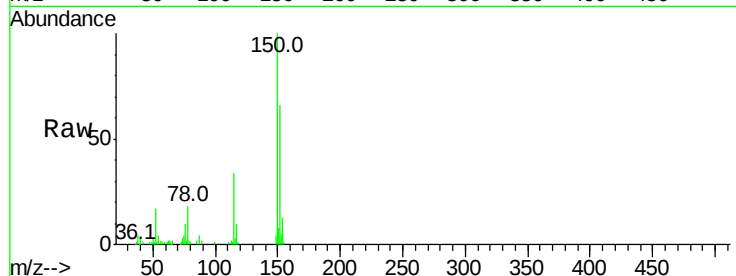
Tot Ion:152 Resp: 42000

Ion Ratio Lower Upper

152 100

150 152.0 126.6 189.8

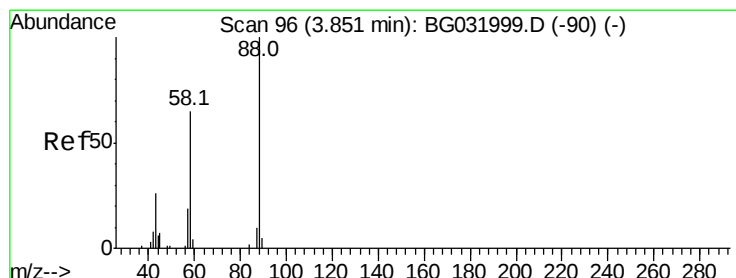
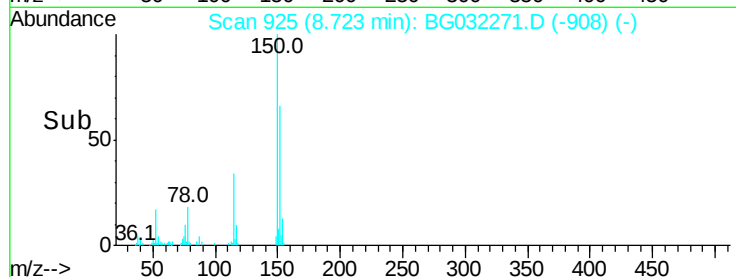
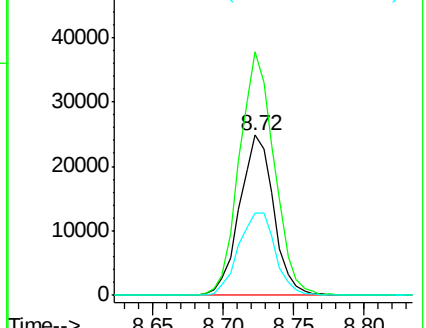
115 51.1 53.0 79.4#



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: 11.708 ng

RT: 3.49 min Scan# 35

Delta R.T. -0.33 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

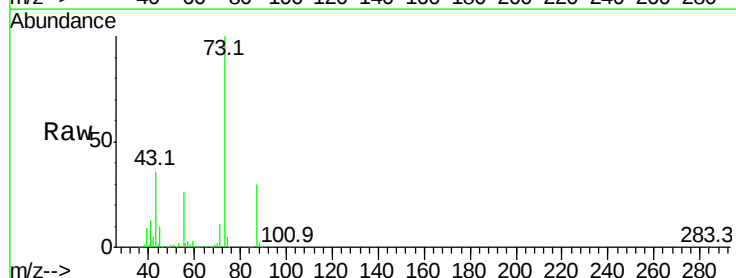
Tgt Ion: 88 Resp: 10329

Ion Ratio Lower Upper

88 100

58 38.1 79.6 119.4#

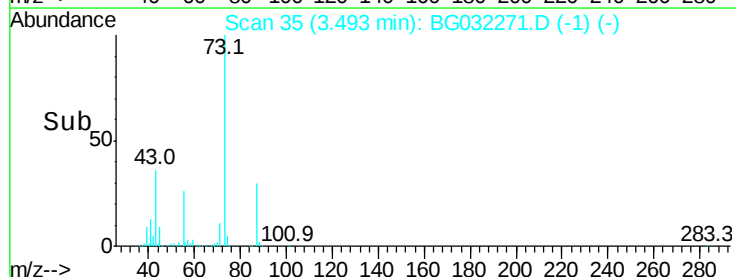
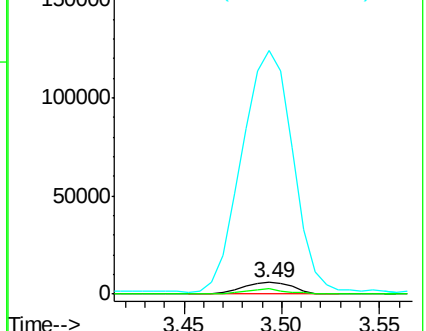
43 2153.2 27.4 41.0#

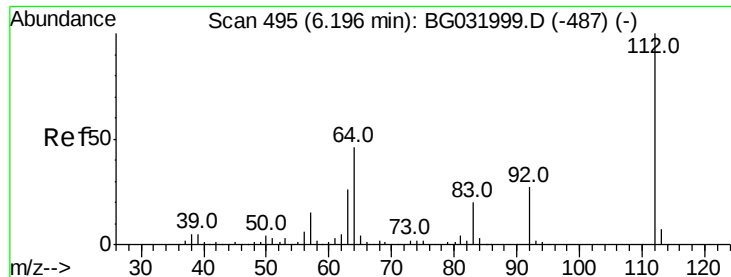


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 134.653 ng

RT: 6.16 min Scan# 489

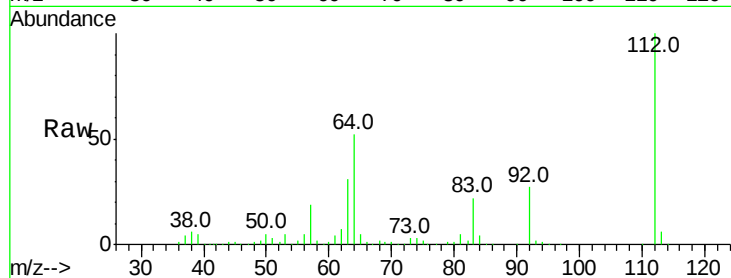
Delta R.T. 0.01 min

Lab File: BG032271.D

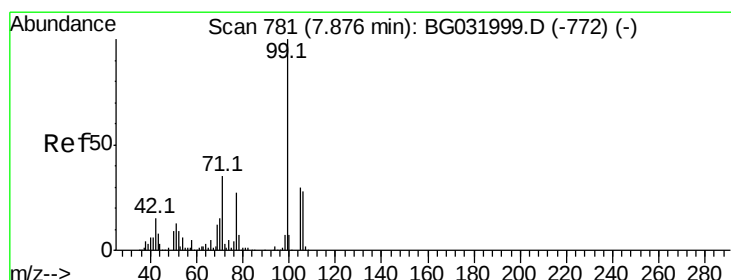
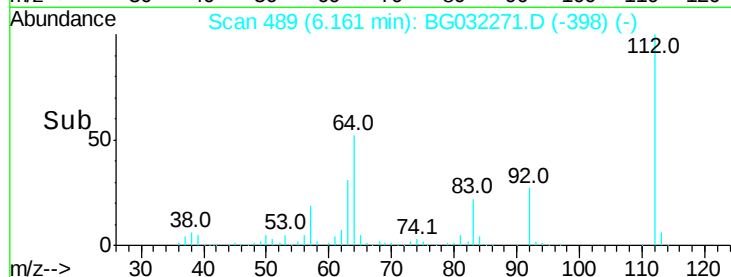
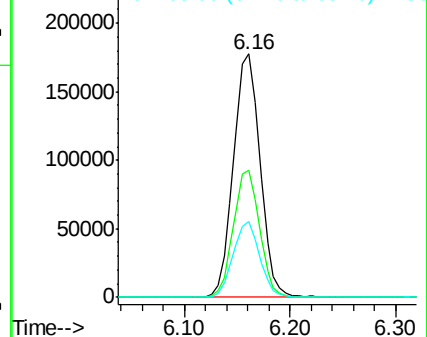
Acq: 24 Jan 2018 21:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:	112	Resp:	309219
Ion Ratio	Lower	Upper	
112	100		
64	52.1	56.3	84.5#
63	31.2	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: 124.216 ng

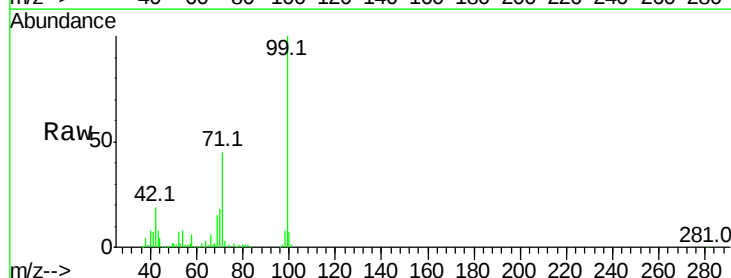
RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

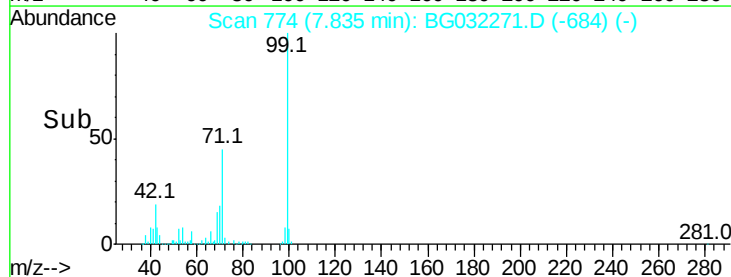
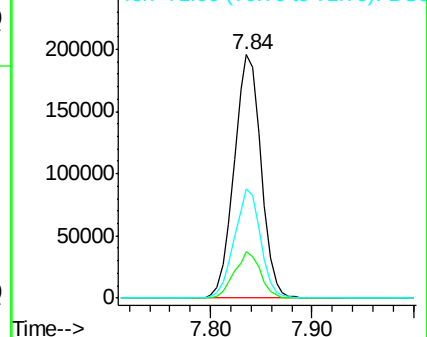
Lab File: BG032271.D

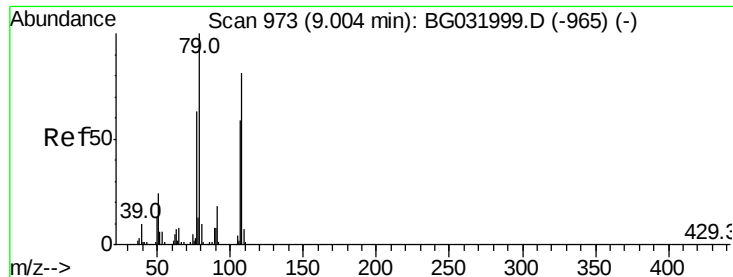
Acq: 24 Jan 2018 21:33

Tgt Ion:	99	Resp:	359256
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.1	21.1
71	45.1	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: 2.139 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

Instrument :

BNA_G

ClientSampleId :

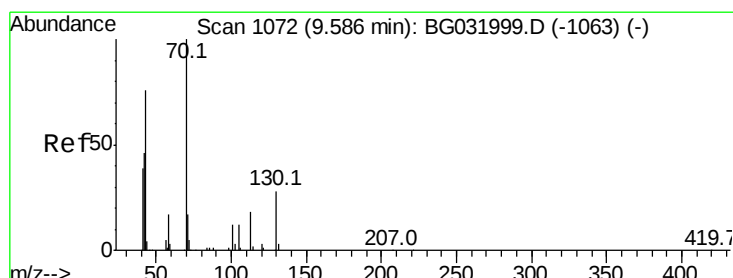
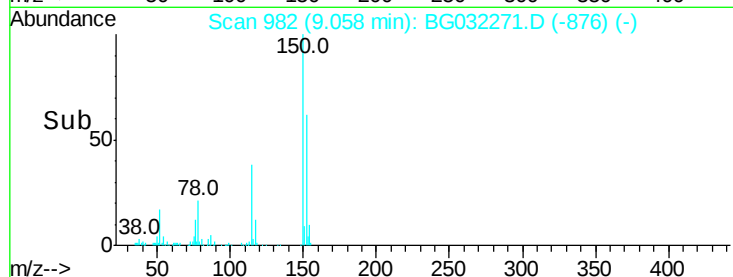
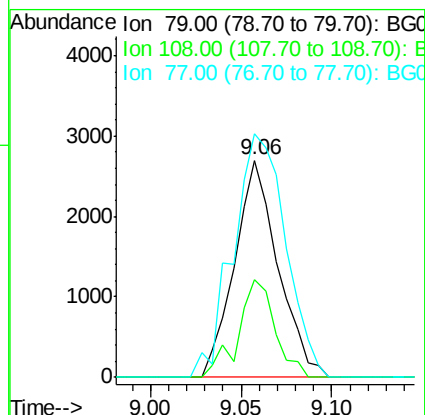
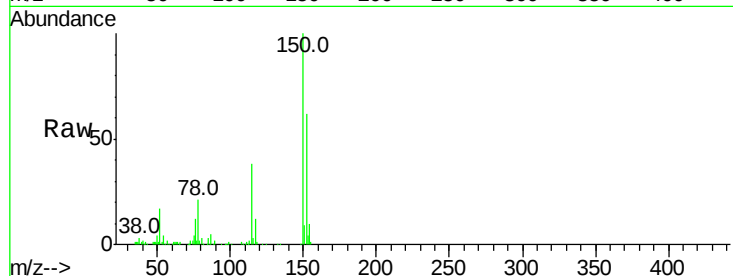
Tot Ion: 79 Resp: 4495

Ion Ratio Lower Upper

79 100

108 44.9 57.2 85.8#

77 112.3 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.860 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

Tgt Ion: 70 Resp: 35639

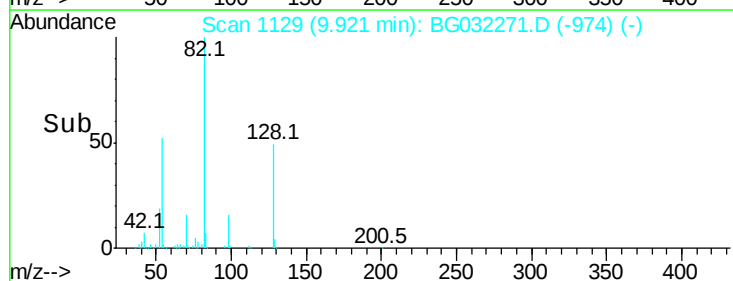
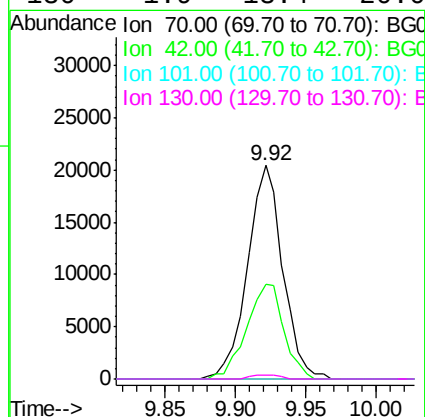
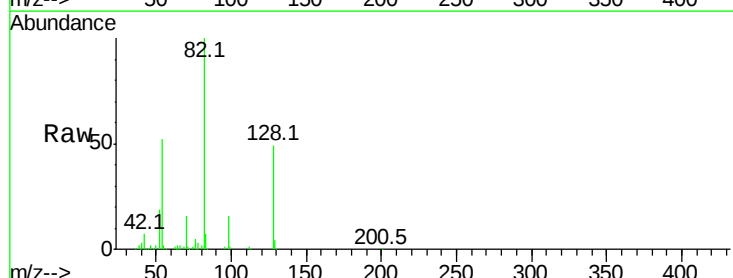
Ion Ratio Lower Upper

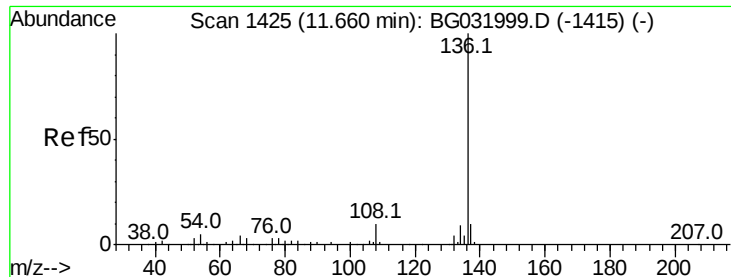
70 100

42 44.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

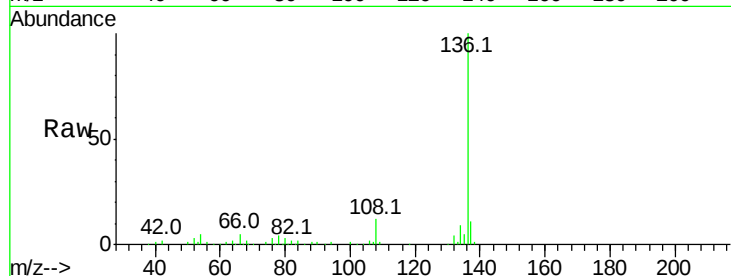




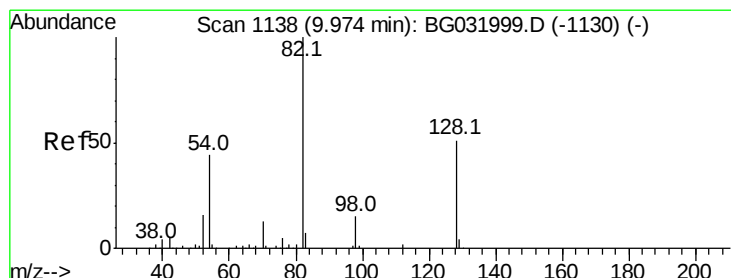
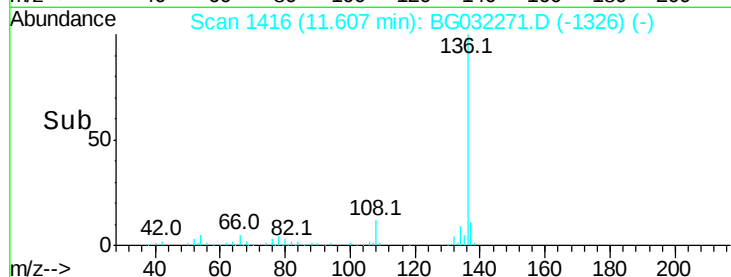
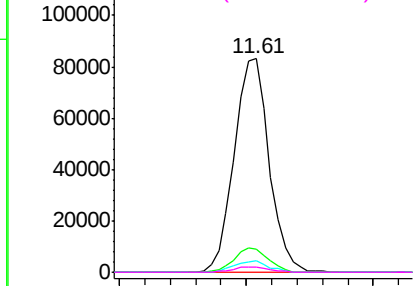
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	158921
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	5.4	10.3	15.5#
68	2.7	4.5	6.7#

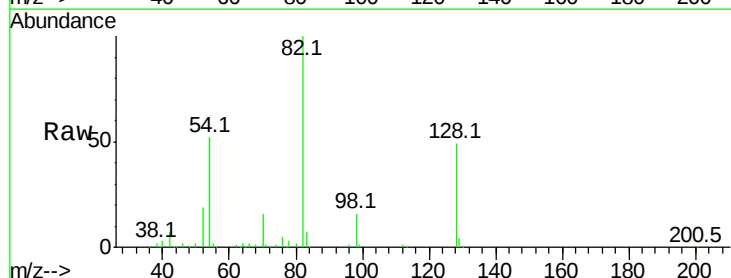


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

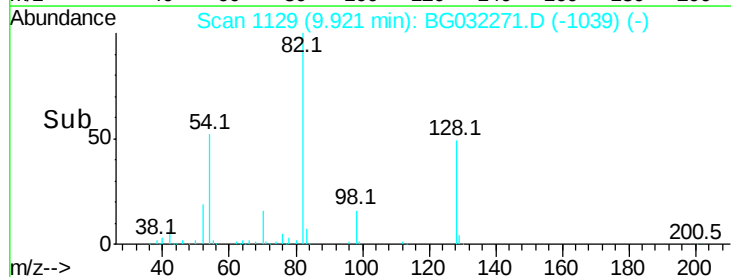
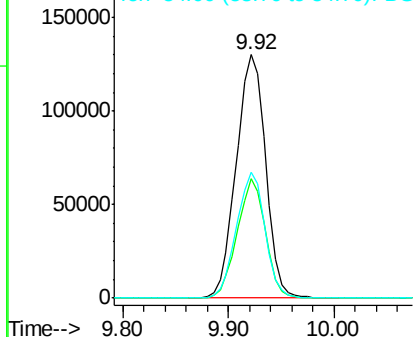


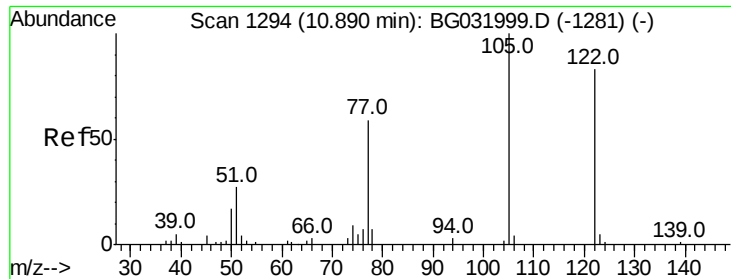
#23
Nitrobenzene-d5
Concen: 106.499 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Tgt Ion:	82	Resp:	250169
Ion	Ratio	Lower	Upper
82	100		
128	48.9	29.7	44.5#
54	51.7	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





#32

Benzoic acid

Concen: 5.290 ng

RT: 11.11 min Scan# 1331

Delta R.T. 0.25 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

Instrument :

BNA_G

ClientSampled :

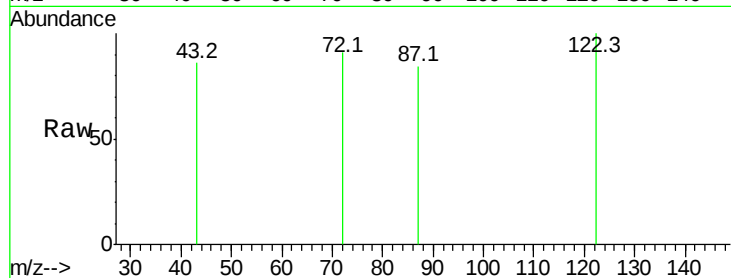
Tot Ion:122 Resp: 68

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

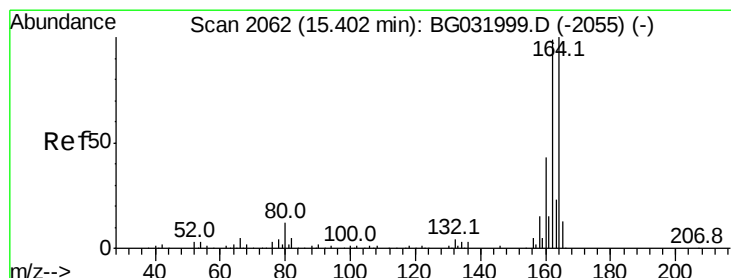
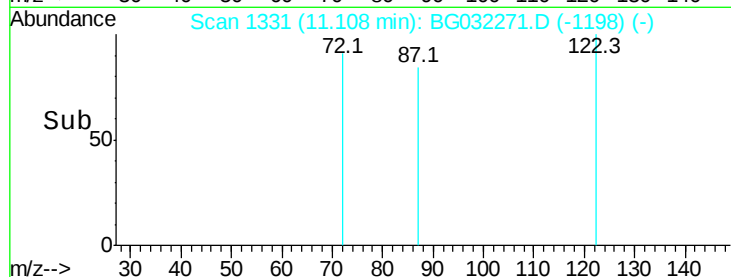
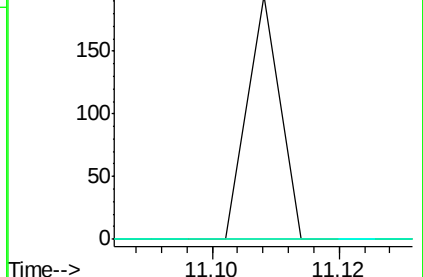
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

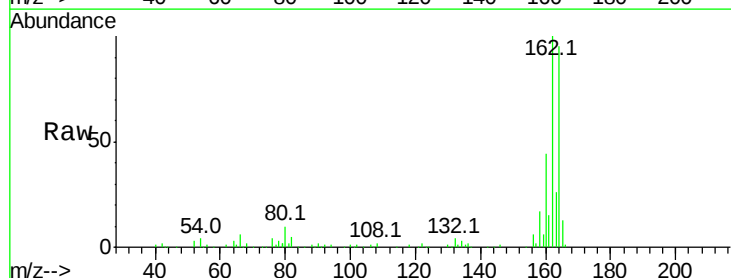
Tgt Ion:164 Resp: 110689

Ion Ratio Lower Upper

164 100

162 105.7 78.8 118.2

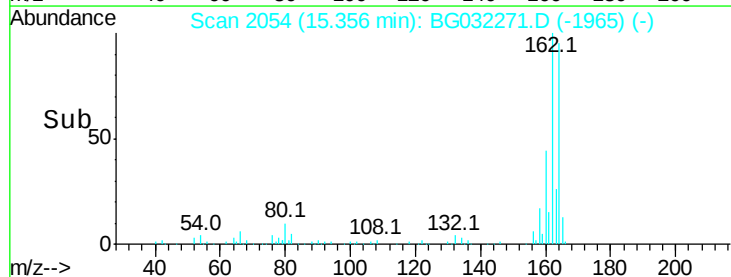
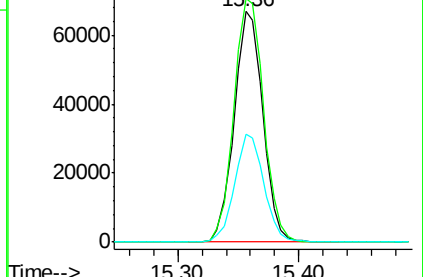
160 46.9 35.4 53.0

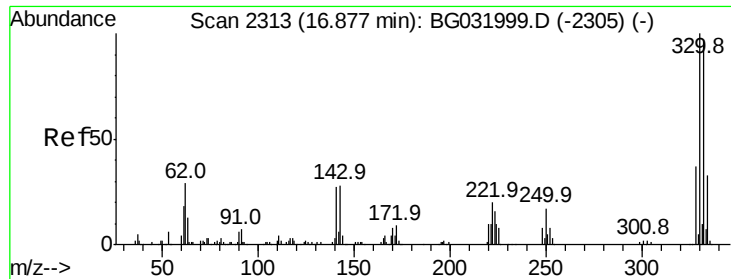


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

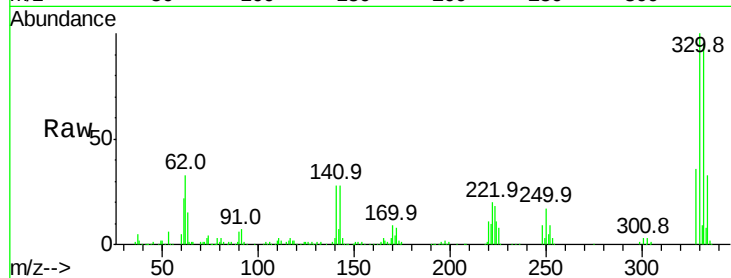




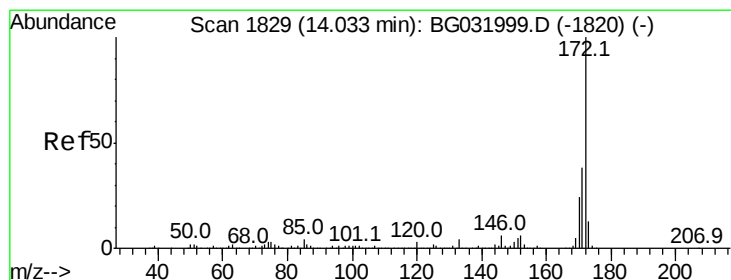
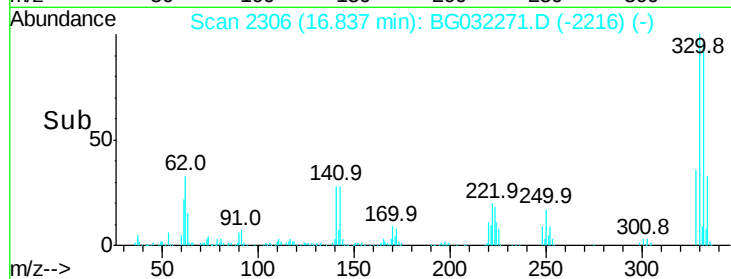
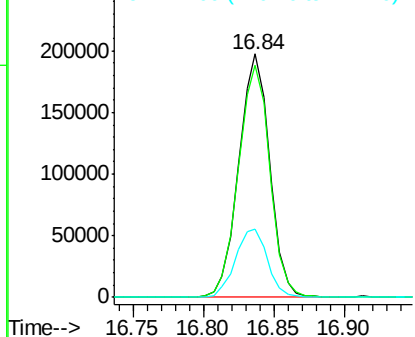
#41
 2,4,6-Tribromophenol
 Concen: 164.629 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BG032271.D
 Acq: 24 Jan 2018 21:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 301542
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 29.0 25.2 37.8

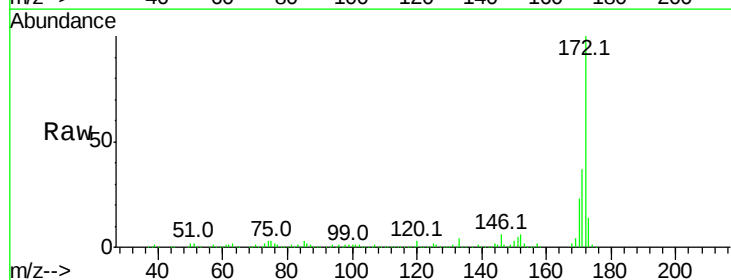


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

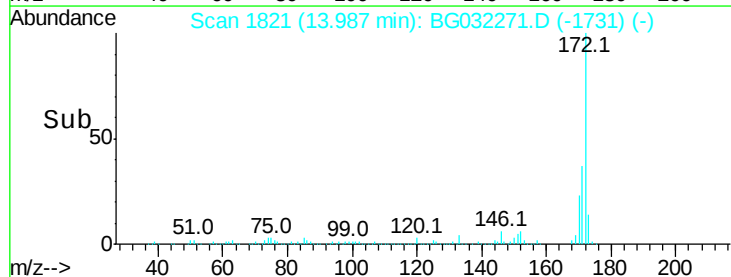
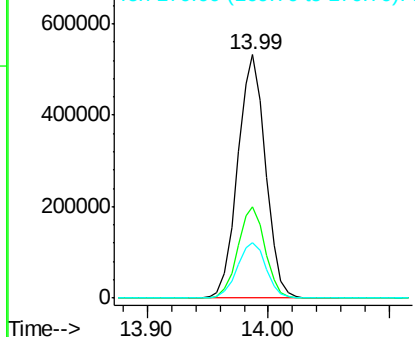


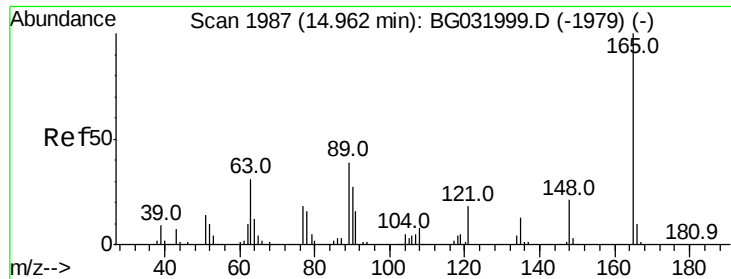
#44
 2-Fluorobiphenyl
 Concen: 95.313 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032271.D
 Acq: 24 Jan 2018 21:33

Tgt Ion:172 Resp: 850845
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 22.6 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

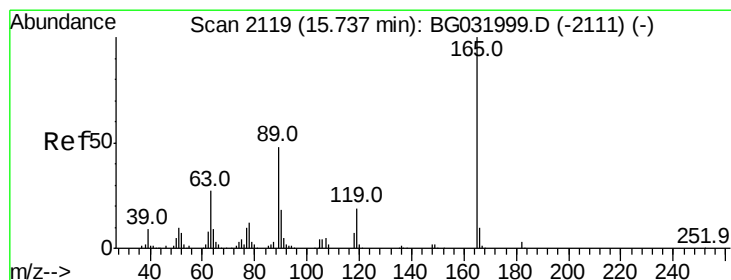
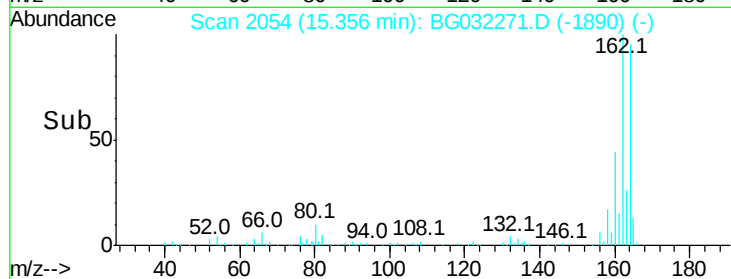
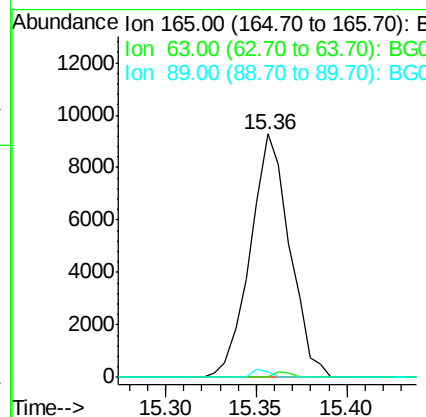
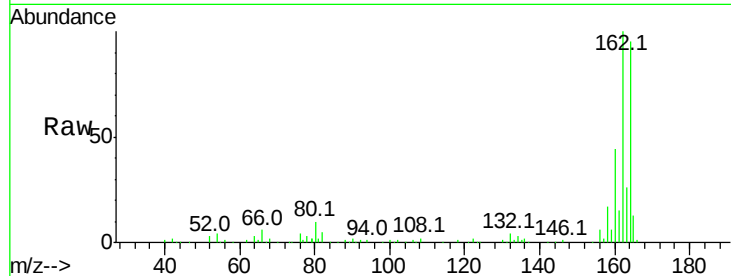




#50
2,6-Dinitrotoluene
Concen: 6.969 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.43 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

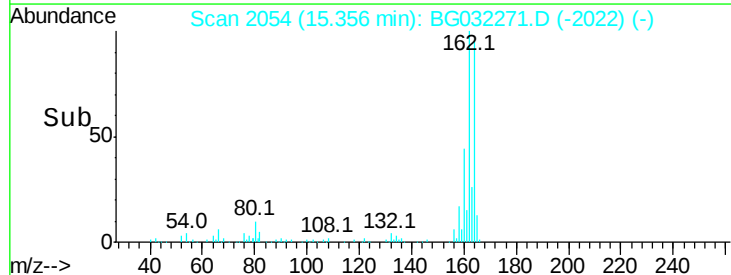
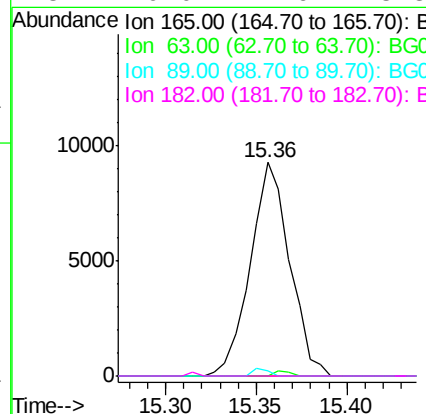
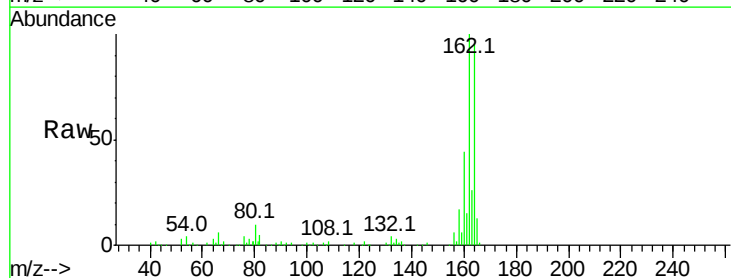
Instrument :
BNA_G
ClientSampleId :

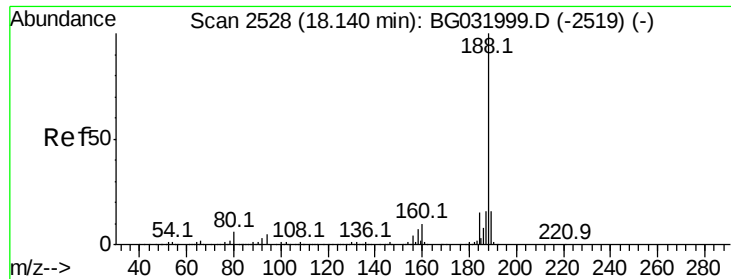
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.5	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.177 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

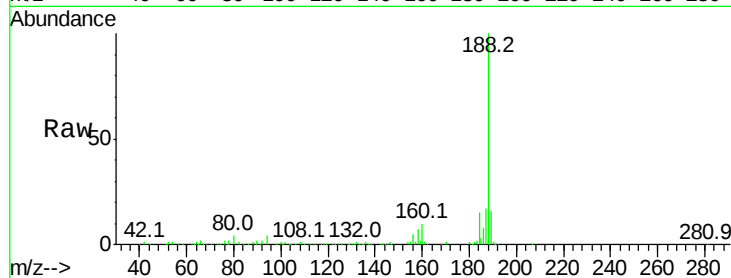




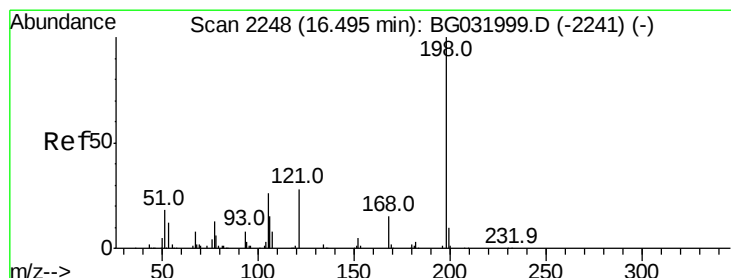
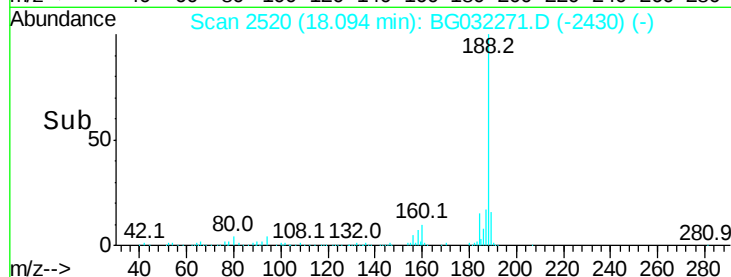
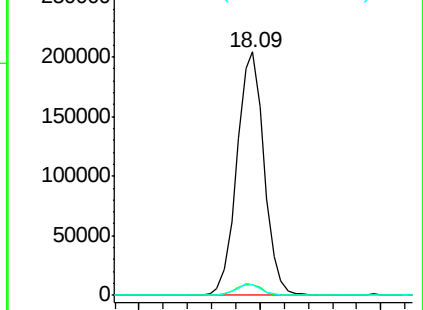
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.00 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 320419
Ion Ratio Lower Upper
188 100
94 4.4 6.9 10.3#
80 4.3 7.7 11.5#

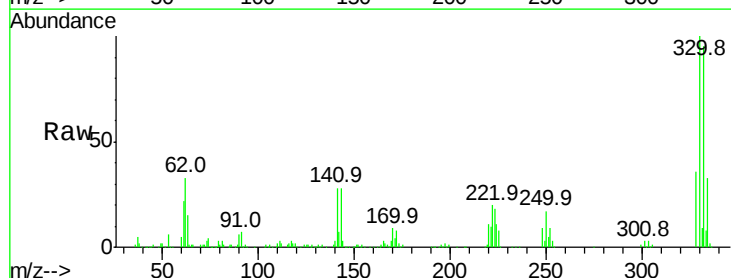


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

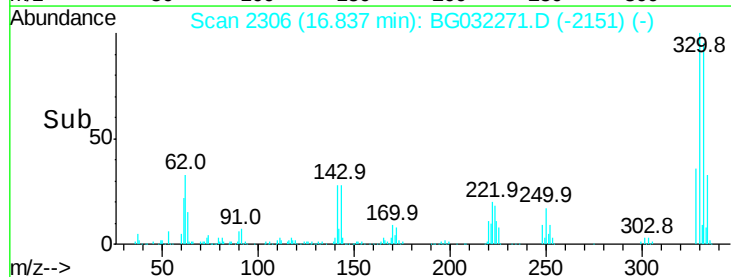
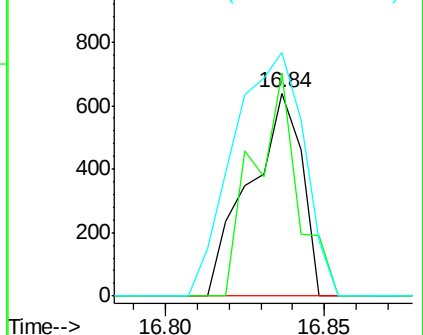


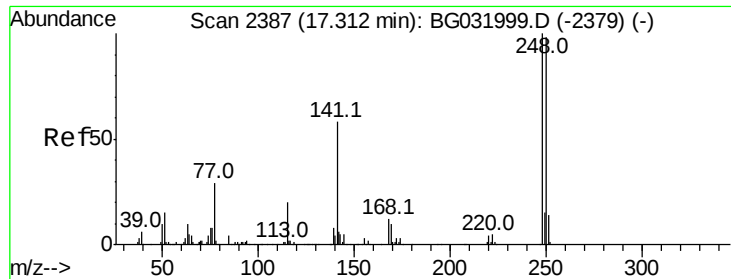
#64
4,6-Dinitro-2-methylphenol
Concen: 5.204 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.38 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Tgt Ion:198 Resp: 729
Ion Ratio Lower Upper
198 100
51 110.3 30.6 70.6#
105 120.0 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

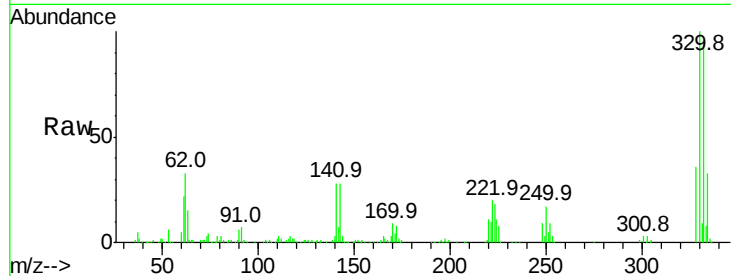




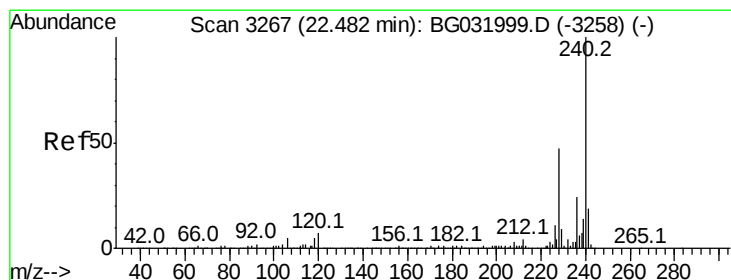
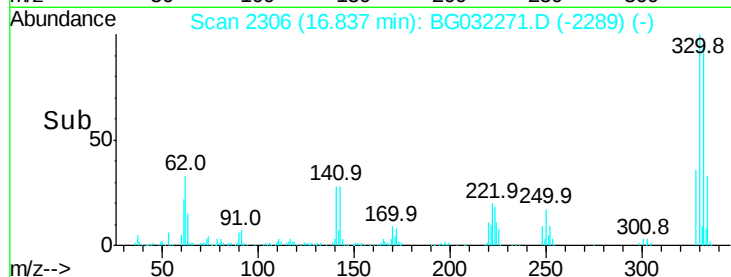
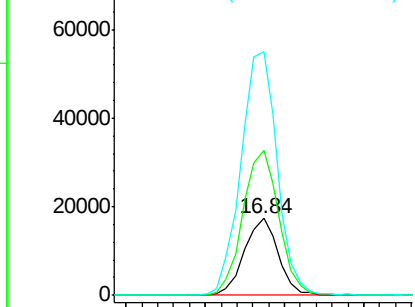
#66
4-Bromophenyl-phenylether
Concen: 5.721 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 26083
Ion Ratio Lower Upper
248 100
250 187.4 77.1 115.7#
141 315.5 50.8 76.2#

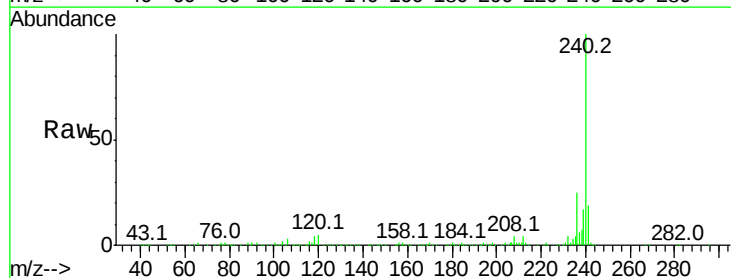


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

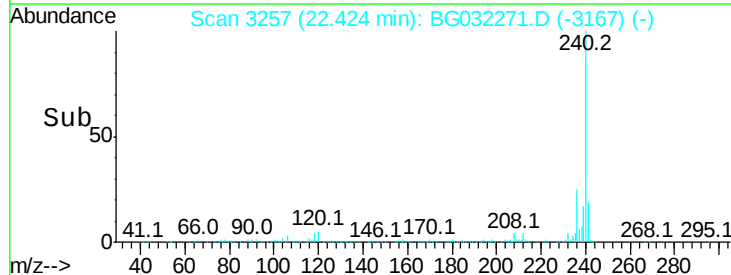
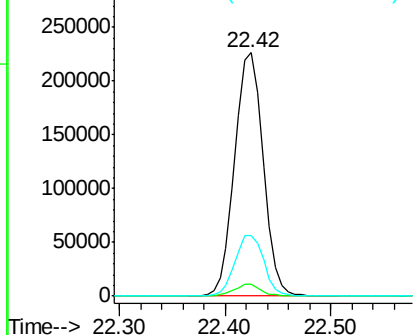


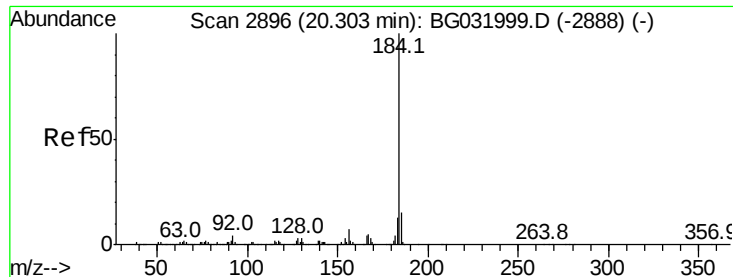
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3257
Delta R.T. -0.00 min
Lab File: BG032271.D
Acq: 24 Jan 2018 21:33

Tgt Ion:240 Resp: 425060
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 25.0 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: 2.531 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.37 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

Instrument :

BNA_G

ClientSampleId :

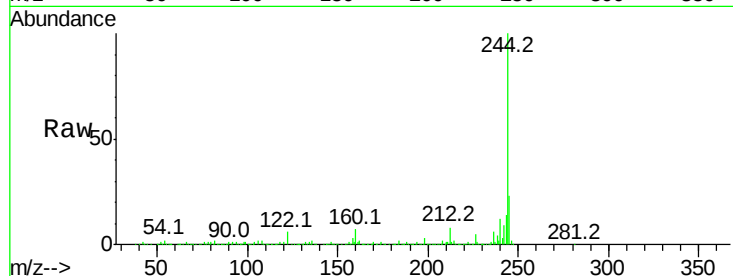
Tot Ion:184 Resp: 26901

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

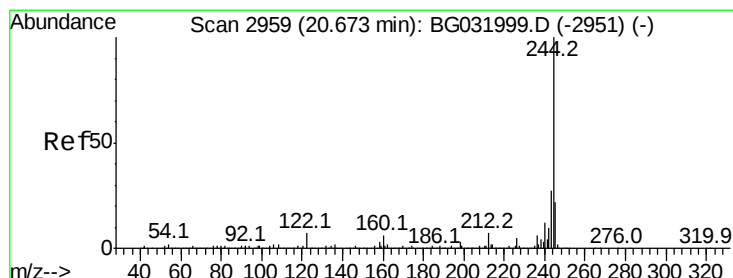
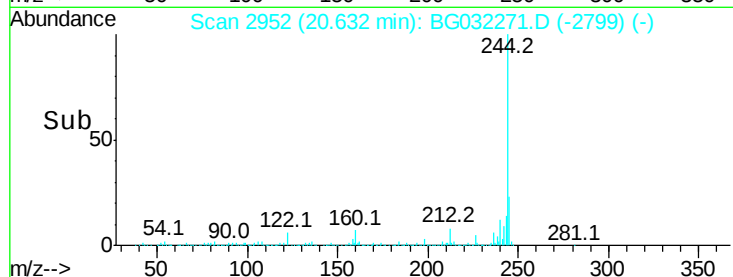
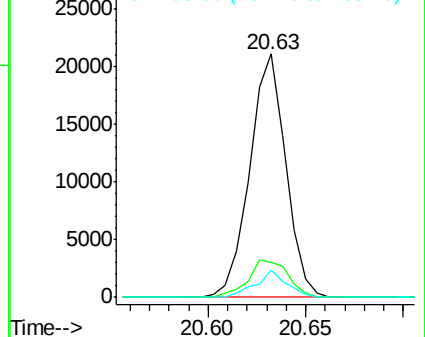
183 11.2 10.6 16.0



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: 96.319 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032271.D

Acq: 24 Jan 2018 21:33

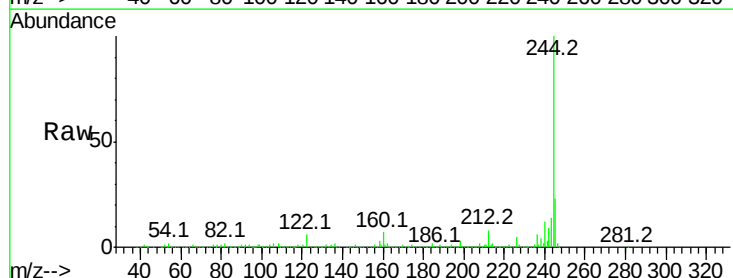
Tgt Ion:244 Resp: 1854190

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

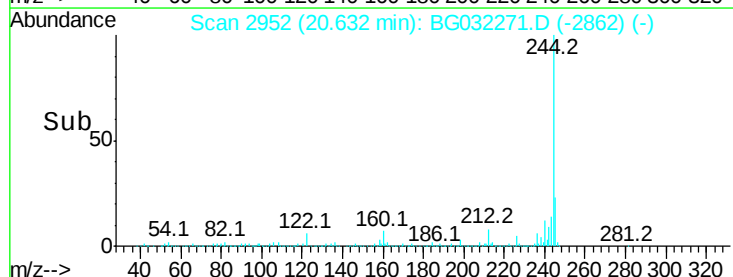
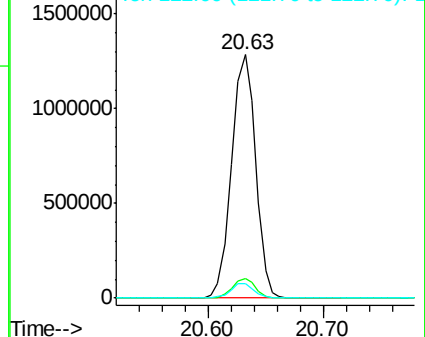
122 5.9 7.0 10.4#

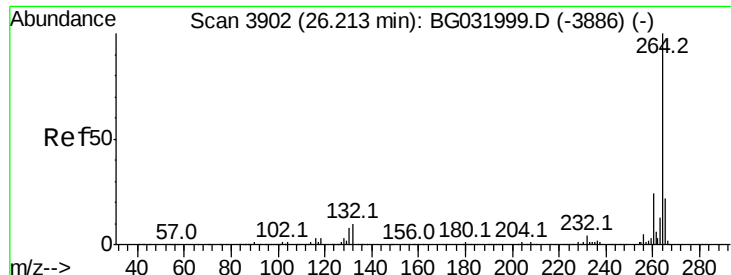


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

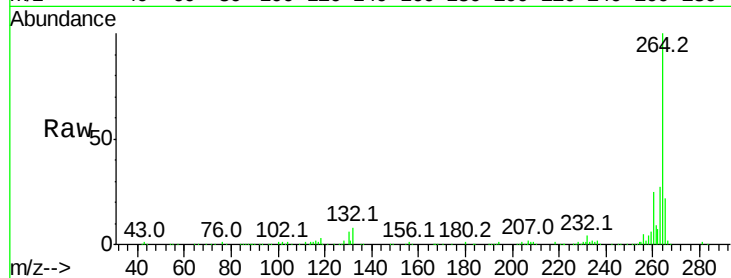




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.11 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: BG032271.D
 Acq: 24 Jan 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	21.6	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

