

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032696.D
 Acq On : 15 Feb 2018 00:32
 Operator : SJ/JU
 Sample : PB106539BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:57:11 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

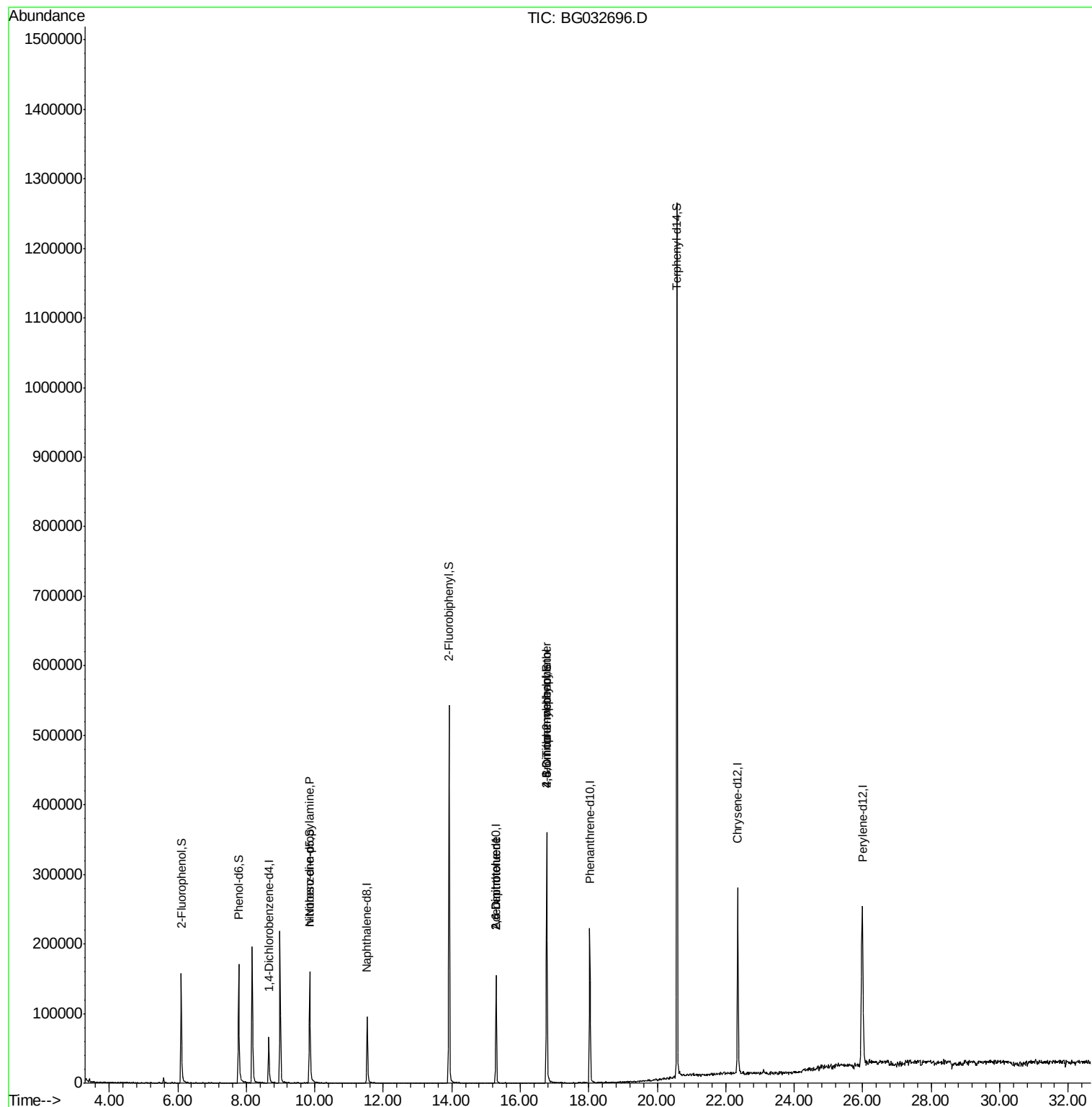
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	24543	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	100905	20.00	ng	-0.02
38) Acenaphthene-d10	15.30	164	60947	20.00	ng	-0.01
63) Phenanthrene-d10	18.03	188	166810	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	212722	20.00	ng	-0.02
86) Perylene-d12	25.99	264	336138	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	86841	70.99	ng	-0.01
7) Phenol-d6	7.78	99	111701	66.78	ng	-0.02
23) Nitrobenzene-d5	9.85	82	109026	68.67	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	94461	100.66	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	338702	69.50	ng	-0.01
78) Terphenyl-d14	20.57	244	713494	76.45	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.85	70	17073	15.18	ng	# 78
50) 2,6-Dinitrotoluene	15.30	165	8139	7.50	ng	# 18
56) 2,4-Dinitrotoluene	15.30	165	8139	5.44	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.78	198	65	5.07	ng	# 29
66) 4-Bromophenyl-phenylether	16.78	248	6622	2.77	ng	# 1

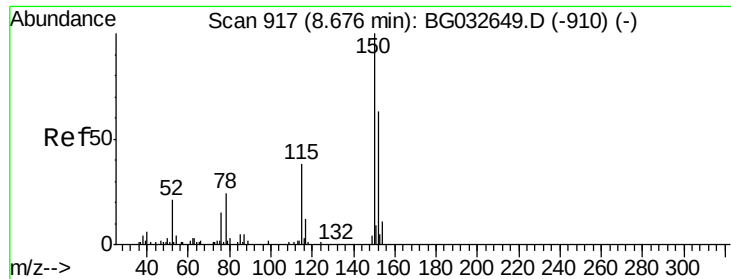
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



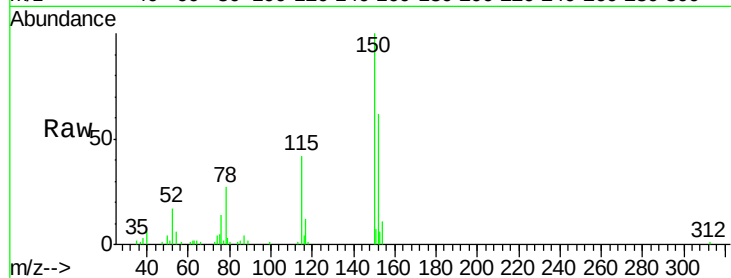


#1

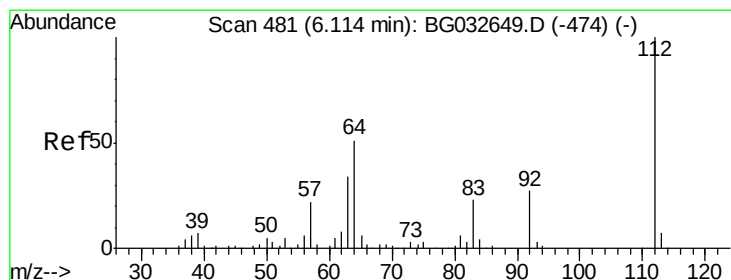
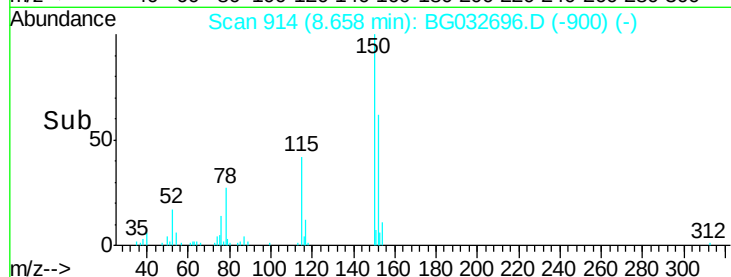
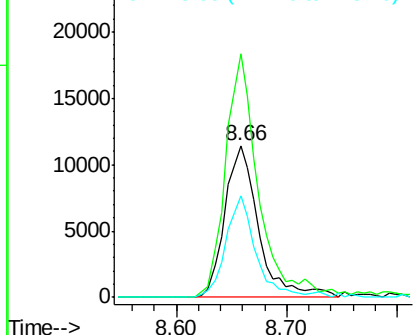
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.66 min Scan# 914
Delta R.T. -0.02 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24543
Ion Ratio Lower Upper
152 100
150 160.3 126.6 189.8
115 66.5 53.0 79.4



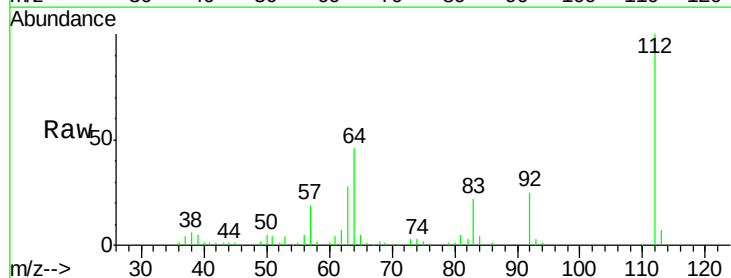
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



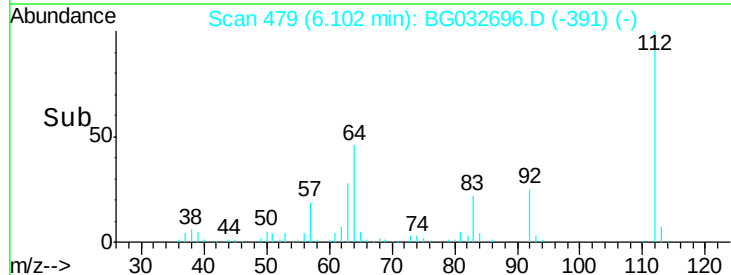
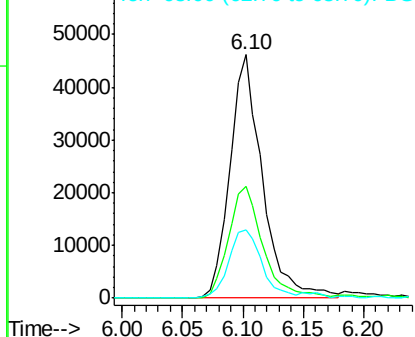
#5

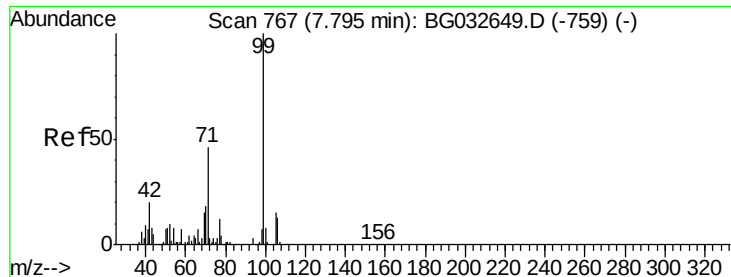
2-Fluorophenol
Concen: 70.99 ng
RT: 6.10 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

Tgt Ion:112 Resp: 86841
Ion Ratio Lower Upper
112 100
64 45.7 56.3 84.5#
63 27.9 30.1 45.1#



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





#7

Phenol-d6

Concen: 66.78 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.02 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

Instrument :

BNA_G

ClientSampleId :

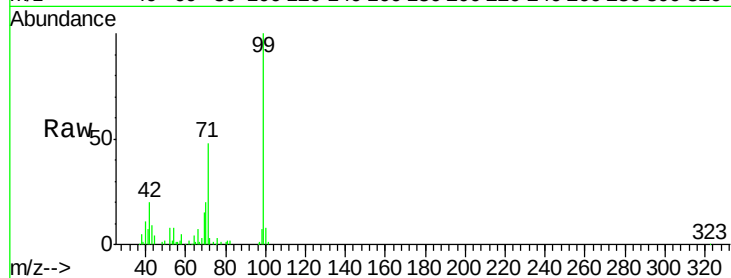
Tot Ion: 99 Resp: 111701

Ion Ratio Lower Upper

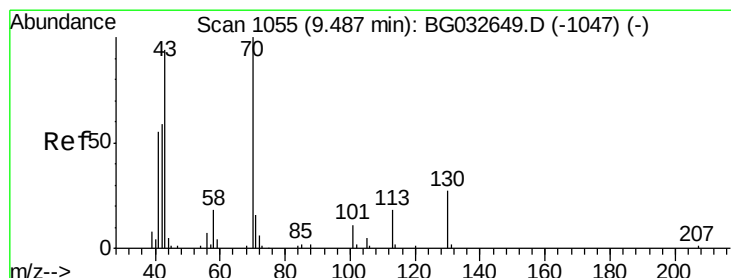
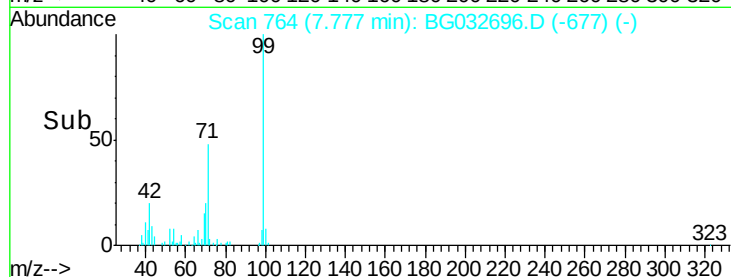
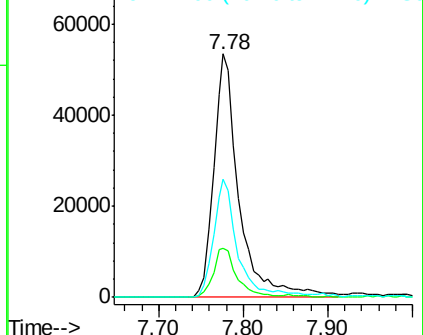
99 100

42 20.3 14.1 21.1

71 48.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.18 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

Tgt Ion: 70 Resp: 17073

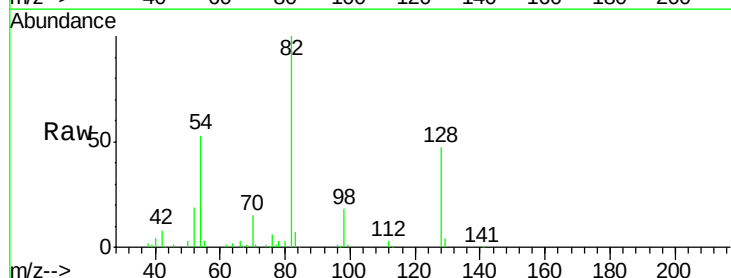
Ion Ratio Lower Upper

70 100

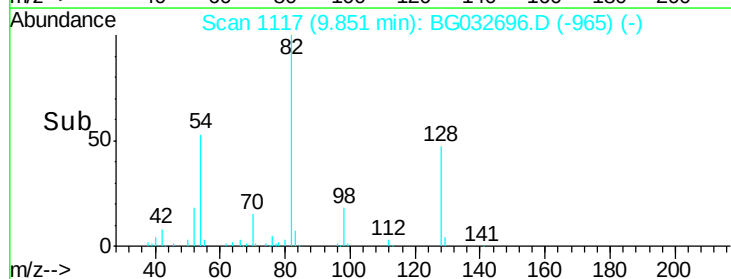
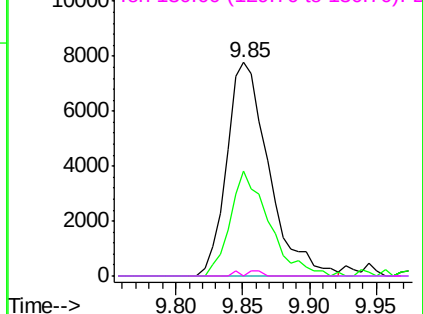
42 49.4 49.1 73.7

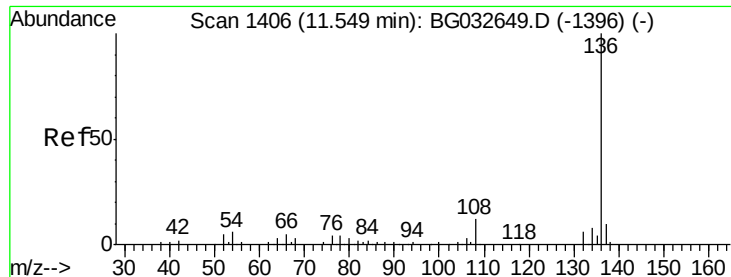
101 0.0 8.5 12.7#

130 0.0 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.53 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 100905

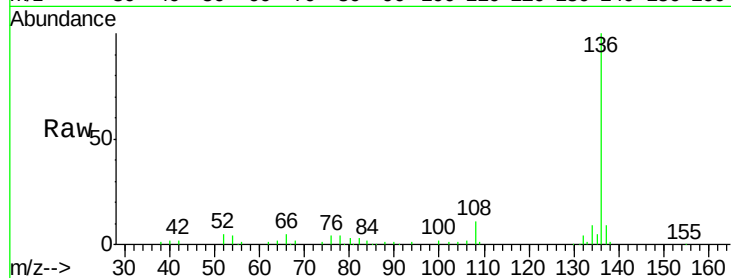
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 4.1 10.3 15.5#

68 1.9 4.5 6.7#

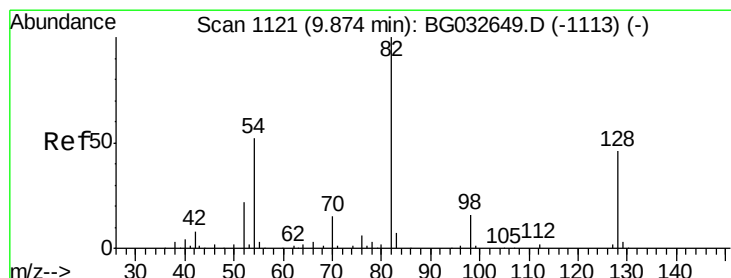
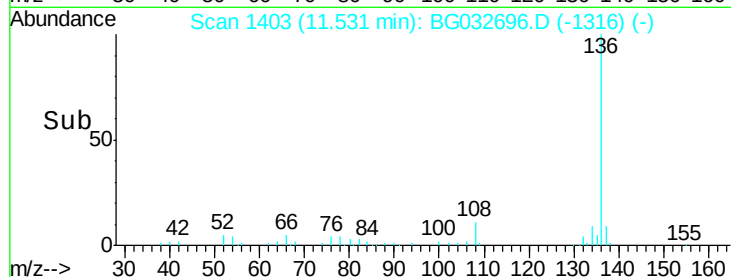
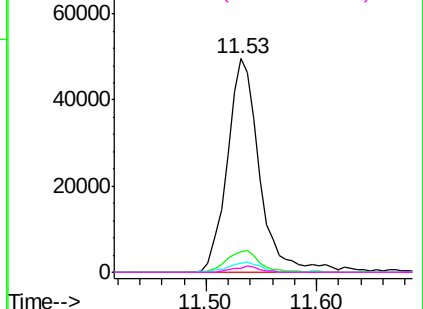


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.67 ng

RT: 9.85 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

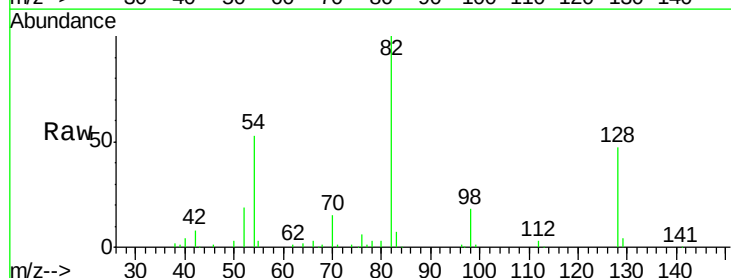
Tgt Ion: 82 Resp: 109026

Ion Ratio Lower Upper

82 100

128 47.3 29.7 44.5#

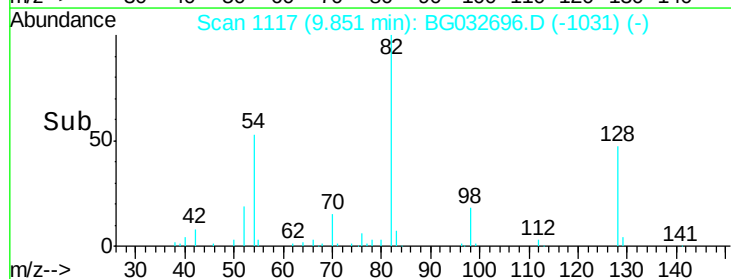
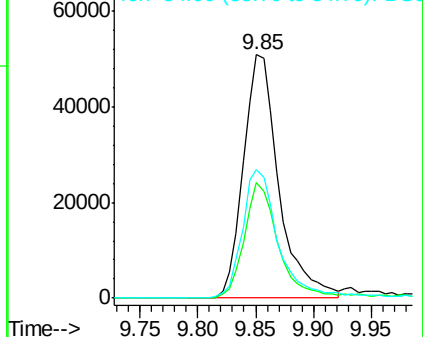
54 52.5 43.1 64.7

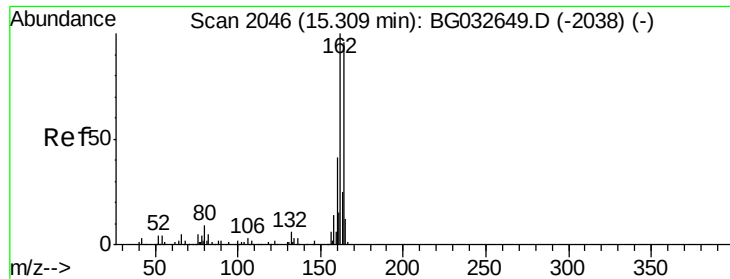


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.30 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

Instrument :

BNA_G

ClientSampleId :

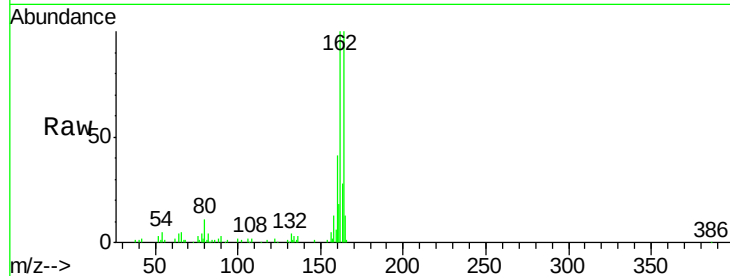
Tot Ion:164 Resp: 60947

Ion	Ratio	Lower	Upper
164	100		
162	100.1	78.8	118.2
160	41.2	35.4	53.0

164 100

162 100.1 78.8 118.2

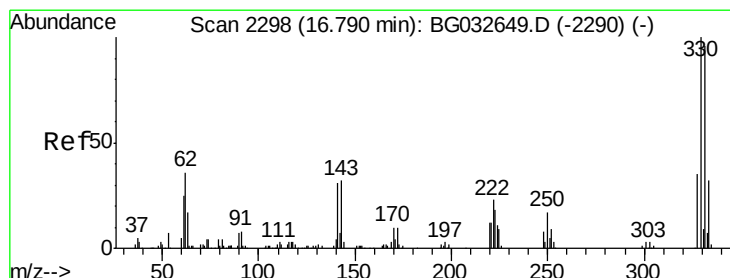
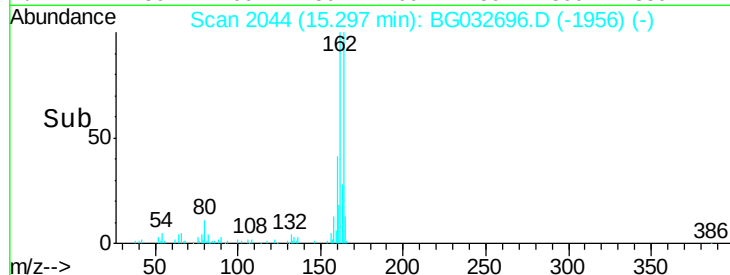
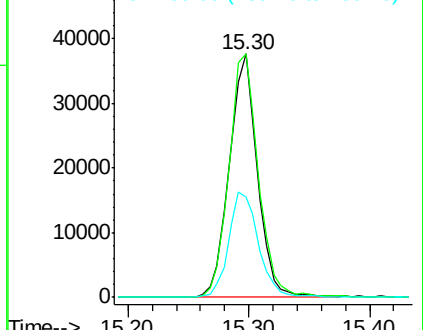
160 41.2 35.4 53.0



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: 100.66 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

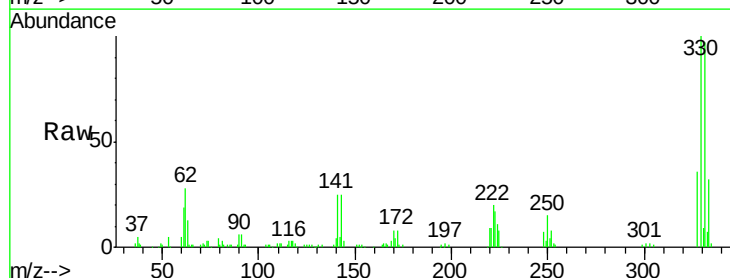
Tgt Ion:330 Resp: 94461

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	24.5	25.2	37.8

330 100

332 96.3 77.0 115.6

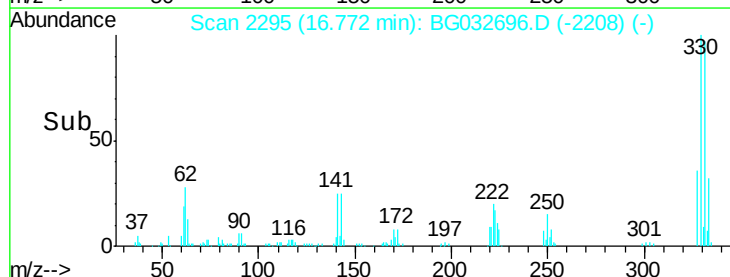
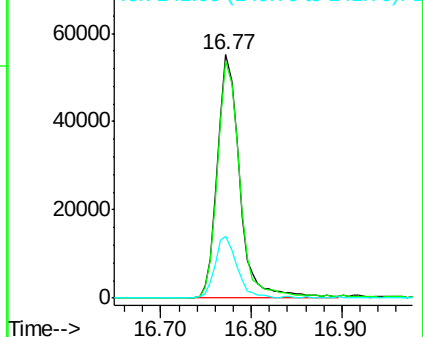
141 24.5 25.2 37.8#

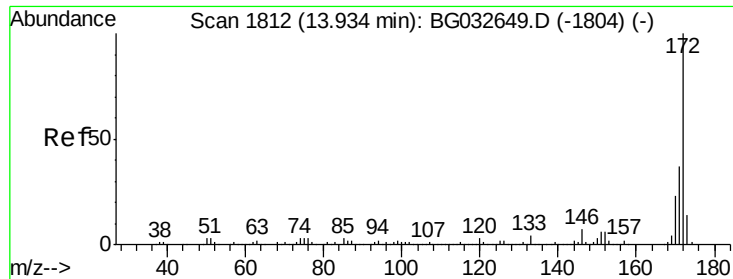


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

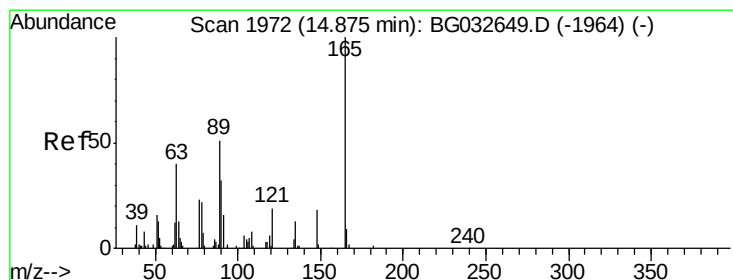
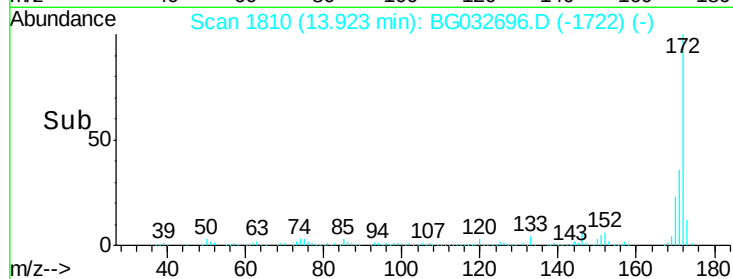
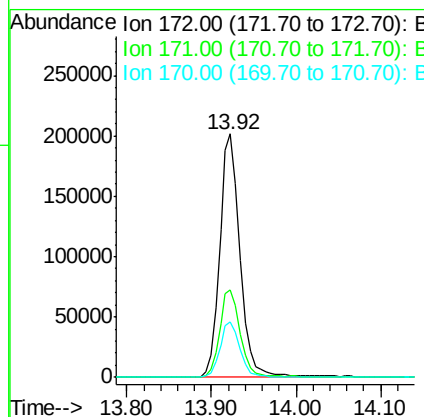
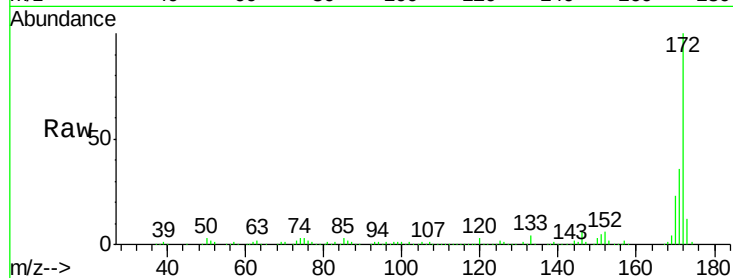




#44
 2-Fluorobiphenyl
 Concen: 69.50 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BG032696.D
 Acq: 15 Feb 2018 00:32

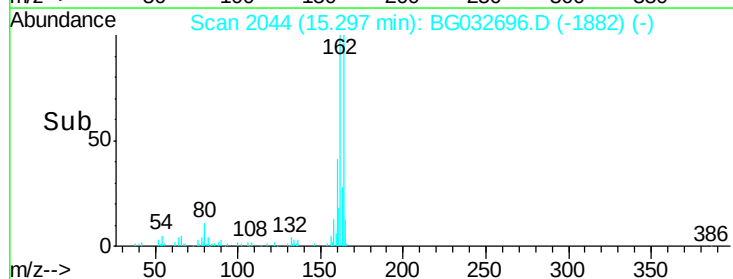
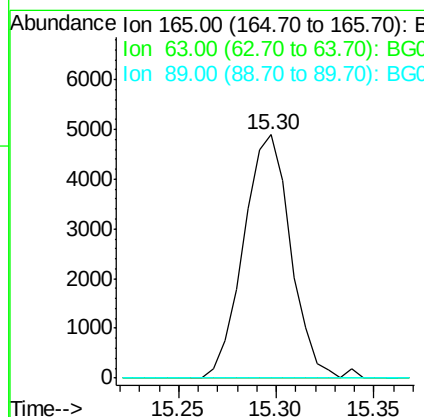
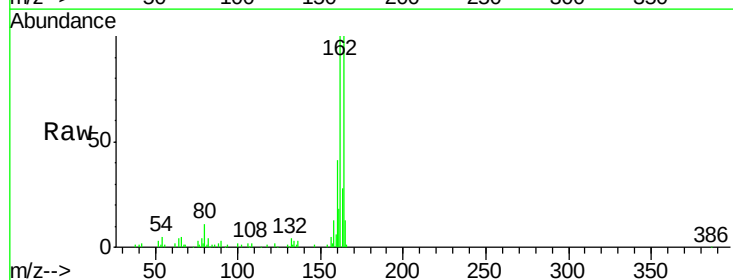
Instrument :
 BNA_G
 ClientSampleId :

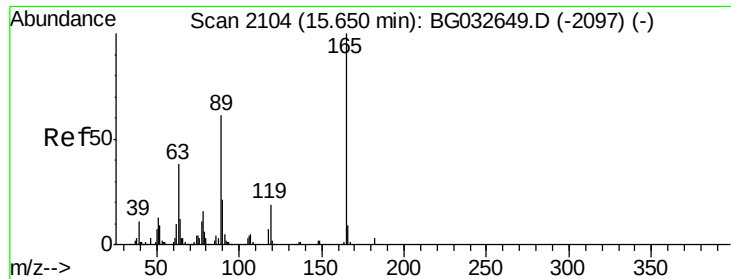
Tot Ion:172 Resp: 338702
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.50 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. 0.42 min
 Lab File: BG032696.D
 Acq: 15 Feb 2018 00:32

Tgt Ion:165 Resp: 8139
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

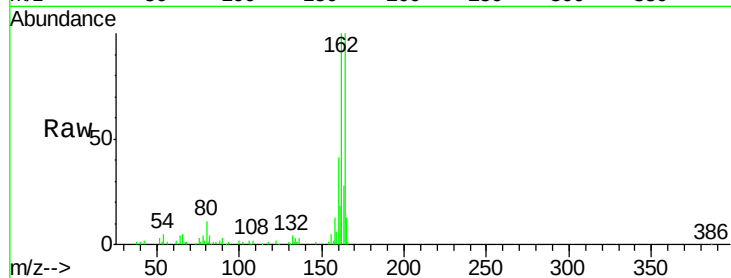




#56
2,4-Dinitrotoluene
Concen: 5.44 ng
RT: 15.30 min Scan# 2044
Delta R.T. -0.35 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

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#

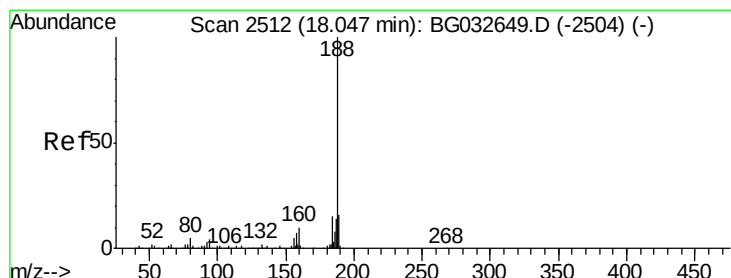
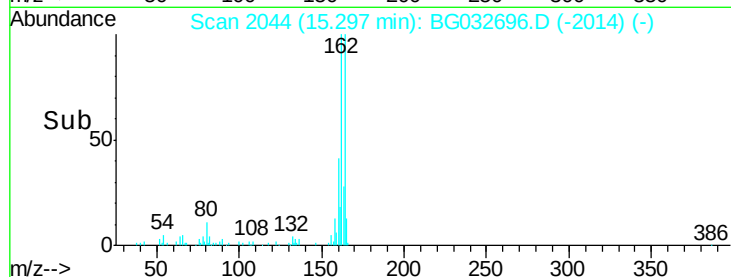
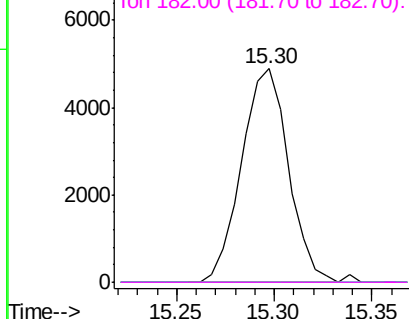


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

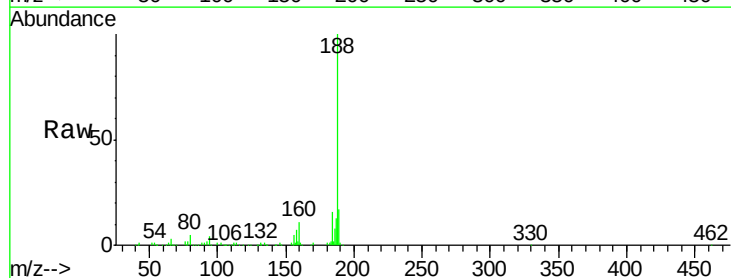
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.03 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

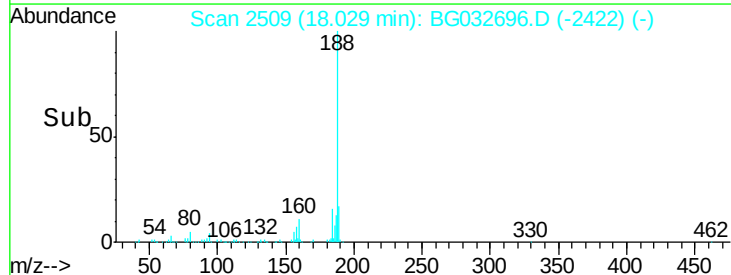
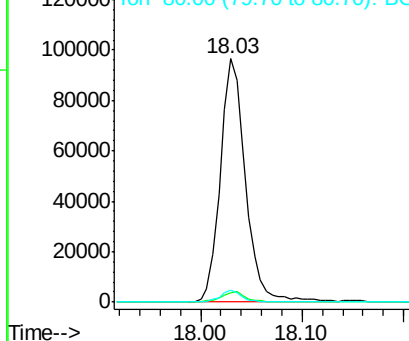
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.7	7.7	11.5#

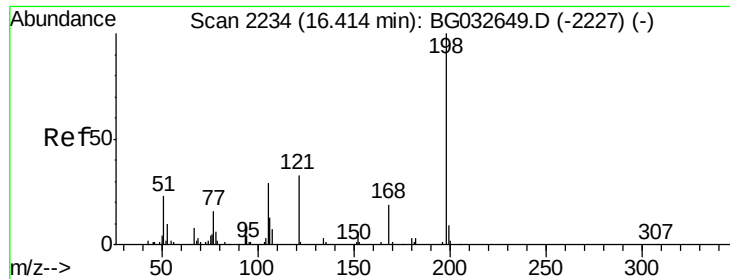


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

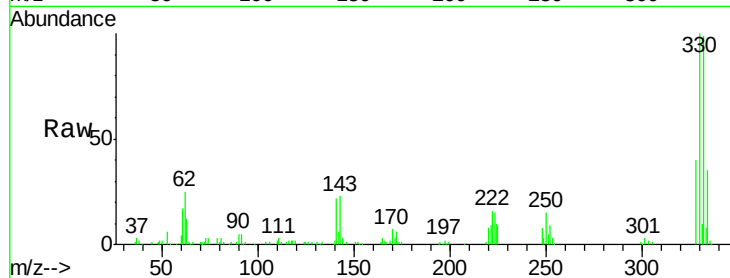




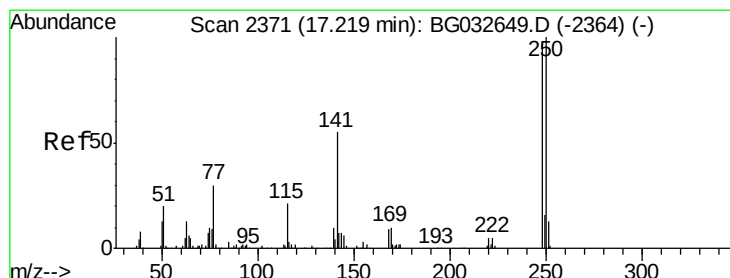
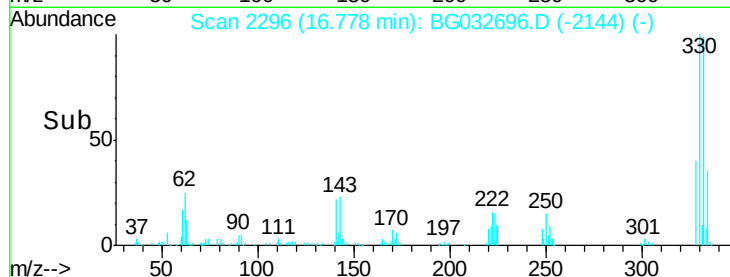
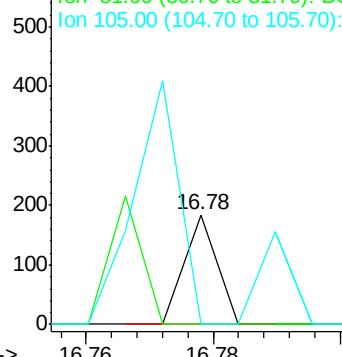
#64
4,6-Dinitro-2-methylphenol
Concen: 5.07 ng
RT: 16.78 min Scan# 2296
Delta R.T. 0.36 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	0.0	23.8	63.8#

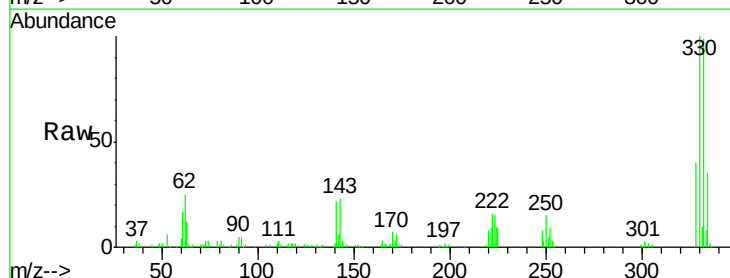


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

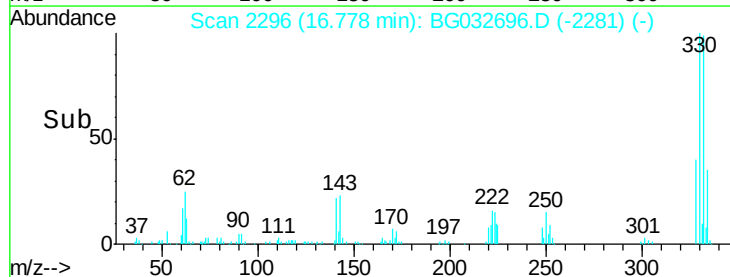
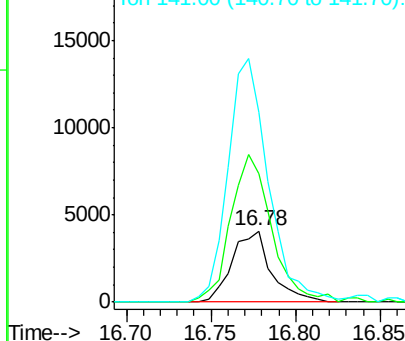


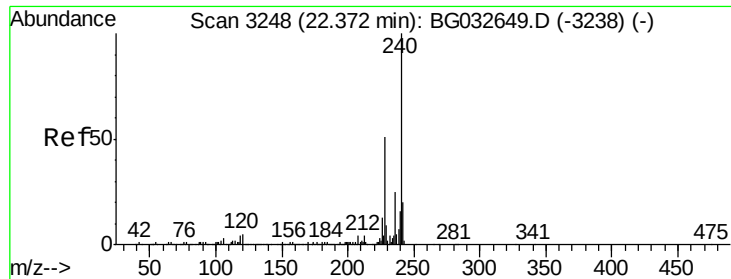
#66
4-Bromophenyl-phenylether
Concen: 2.77 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.44 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

Tgt Ion	Ratio	Lower	Upper
248	100		
250	181.0	77.1	115.7#
141	266.4	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: 20.00 ng

RT: 22.35 min Scan# 3244

Delta R.T. -0.02 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

Instrument :

BNA_G

ClientSampled :

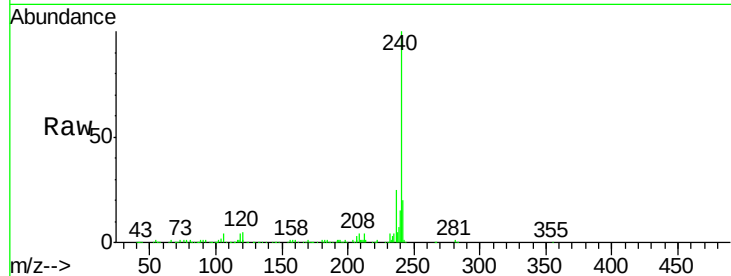
Tot Ion:240 Resp: 212722

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

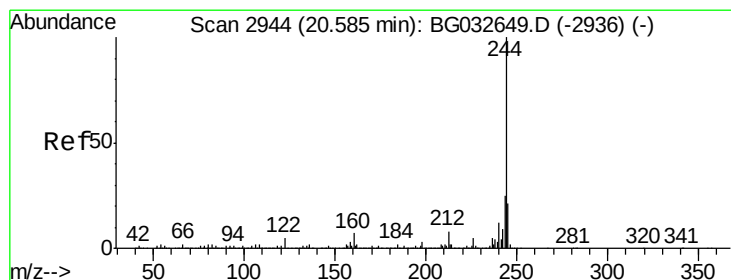
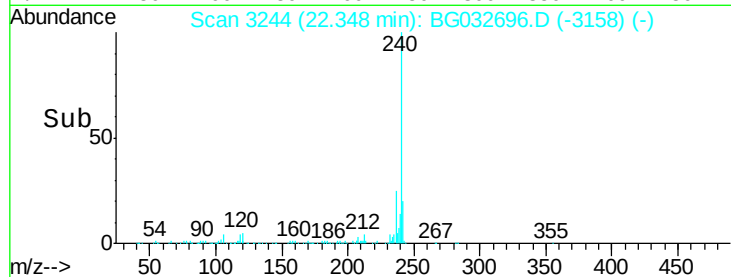
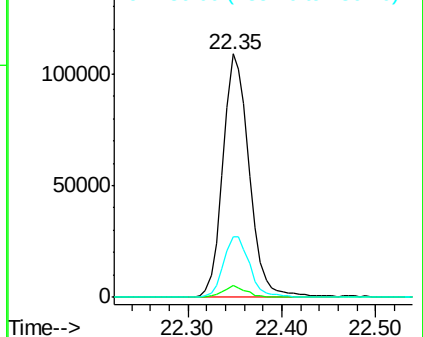
236 25.0 20.9 31.3



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



#78

Terphenyl-d14

Concen: 76.45 ng

RT: 20.57 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032696.D

Acq: 15 Feb 2018 00:32

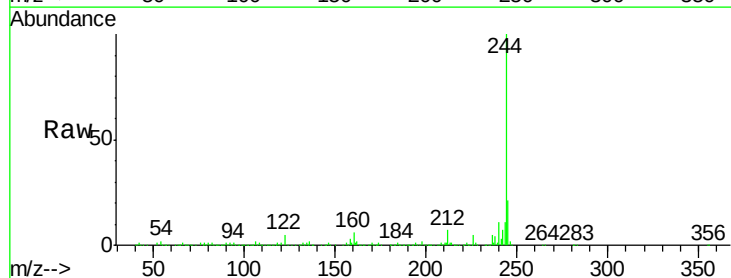
Tgt Ion:244 Resp: 713494

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

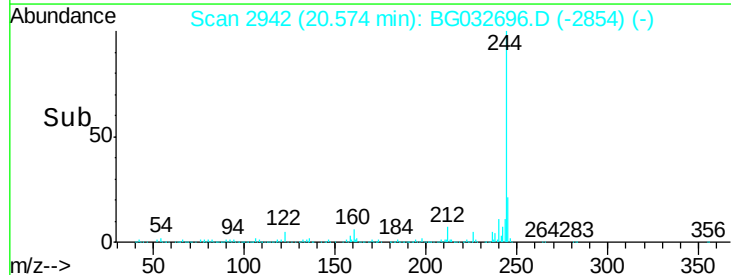
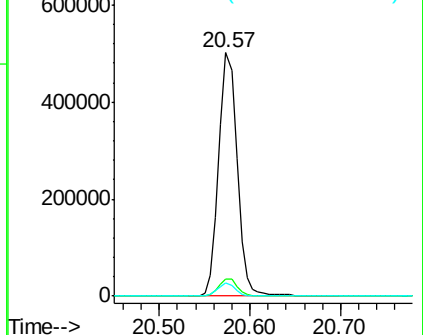
122 5.3 7.0 10.4#

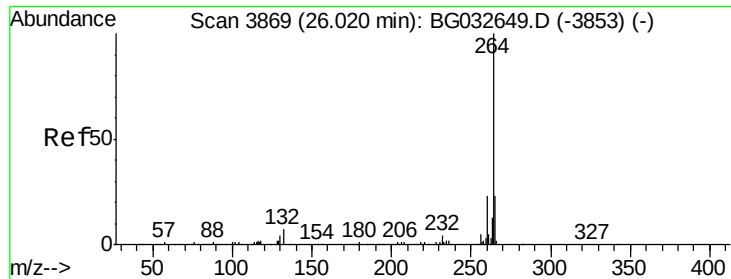


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.99 min Scan# 3864
Delta R.T. -0.03 min
Lab File: BG032696.D
Acq: 15 Feb 2018 00:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.4	26.0
265	22.3	17.7	26.5

