

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032363.D
 Acq On : 27 Jan 2018 19:17
 Operator : SJ/JU
 Sample : PB106110TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 23:22:19 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

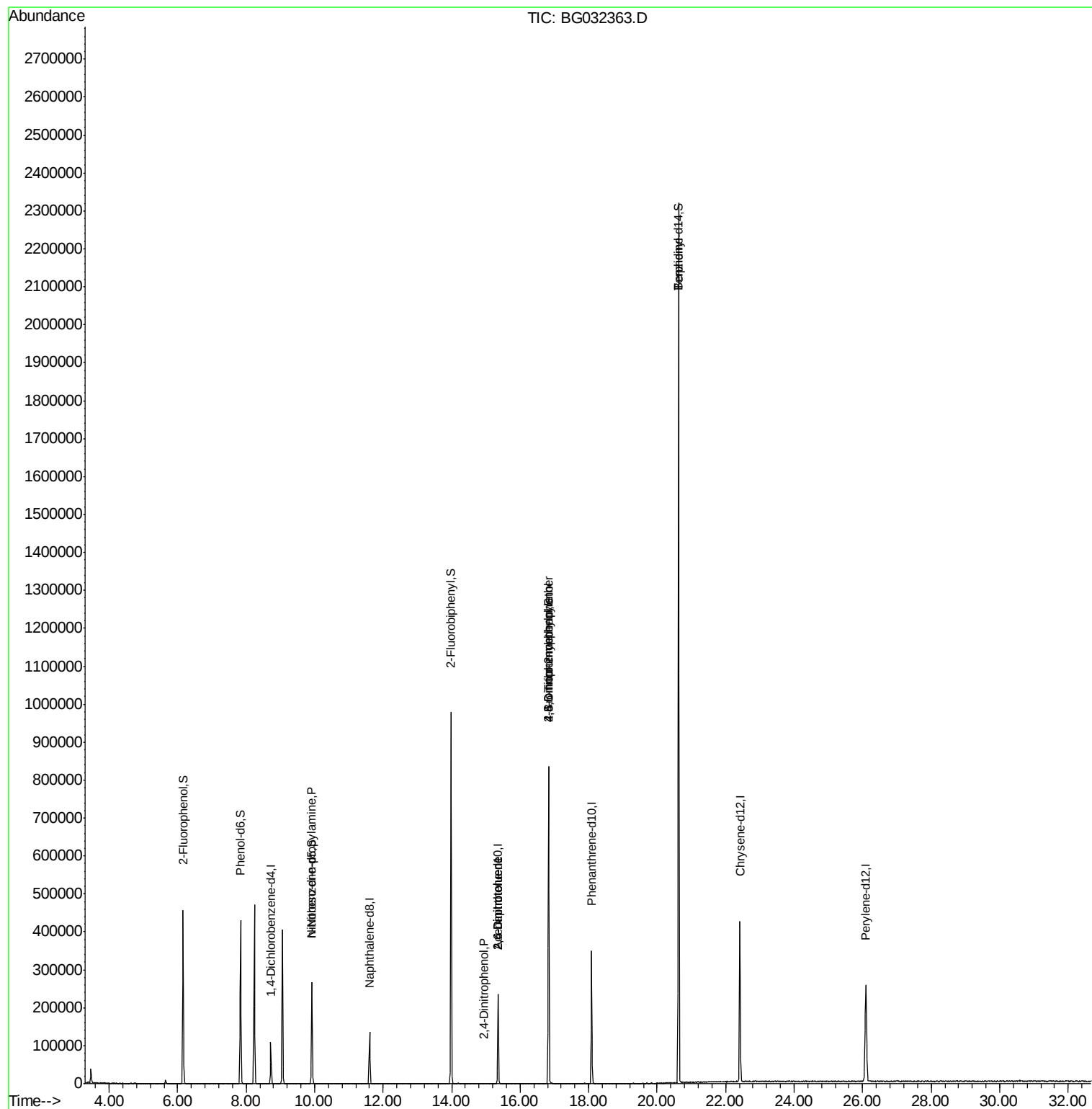
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	36078	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	134428	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	89382	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	244120	20.00	ng	0.00
75) Chrysene-d12	22.42	240	324780	20.00	ng	0.00
86) Perylene-d12	26.09	264	344893	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	218675	110.85	ng	0.00
7) Phenol-d6	7.83	99	259639	104.51	ng	0.00
23) Nitrobenzene-d5	9.92	82	166145	83.62	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	186669	126.21	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	574690	79.72	ng	0.00
78) Terphenyl-d14	20.62	244	1208414	82.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.92	70	23230	15.070	ng	# 70
50) 2,6-Dinitrotoluene	15.36	165	11692	7.202	ng	# 22
53) 2,4-Dinitrophenol	14.95	184	61	7.032	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	11692	5.349	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.83	198	488	5.165	ng	# 40
66) 4-Bromophenyl-phenylether	16.83	248	15783	4.544	ng	# 1
76) Benzidine	20.62	184	17086	2.104	ng	# 90

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

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ClientSampleId :

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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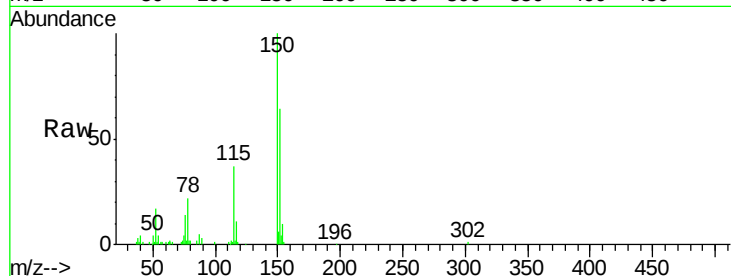


#1

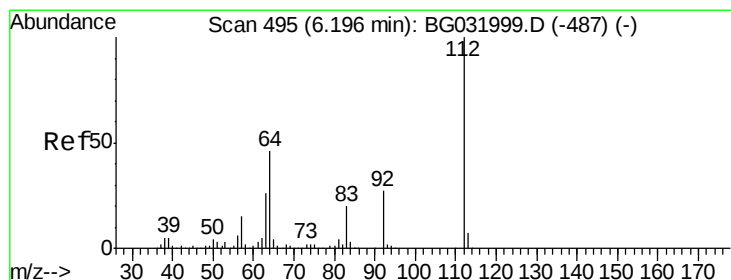
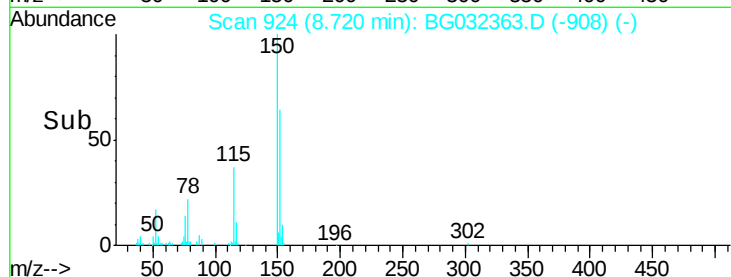
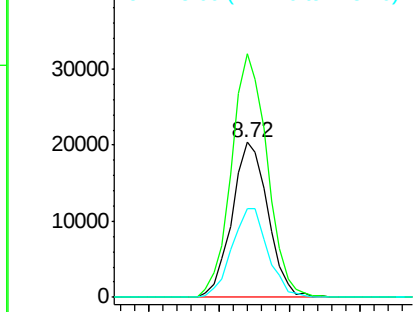
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36078
Ion Ratio Lower Upper
152 100
150 156.9 126.6 189.8
115 57.4 53.0 79.4



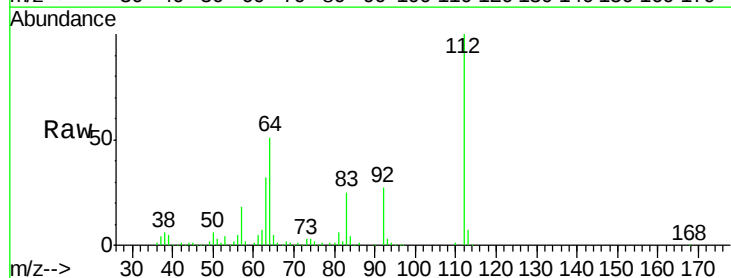
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



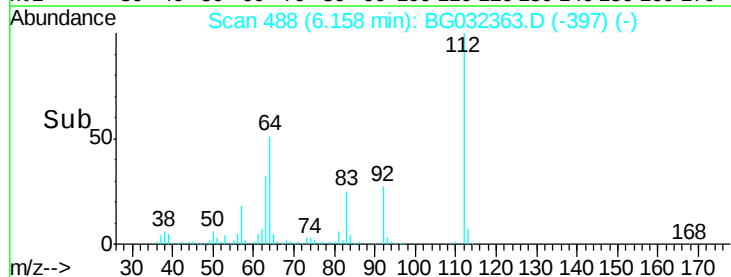
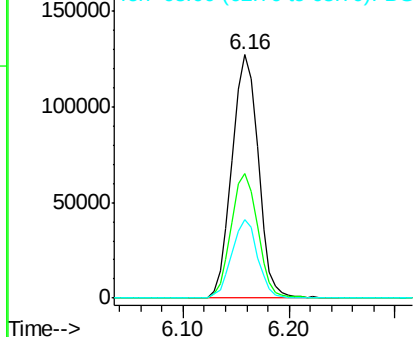
#5

2-Fluorophenol
Concen: 110.855 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Tgt Ion:112 Resp: 218675
Ion Ratio Lower Upper
112 100
64 51.2 56.3 84.5#
63 32.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.508 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Instrument :

BNA_G

ClientSampleId :

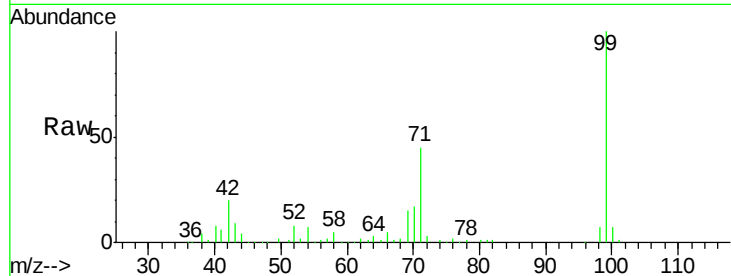
Tot Ion: 99 Resp: 259639

Ion Ratio Lower Upper

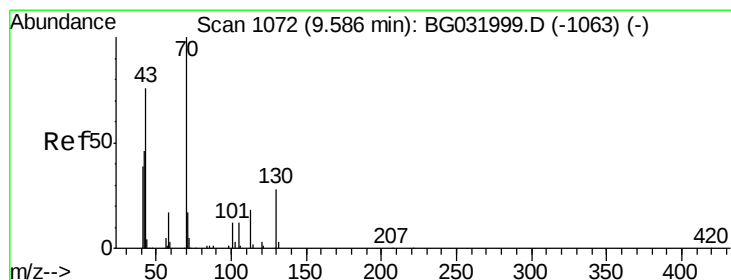
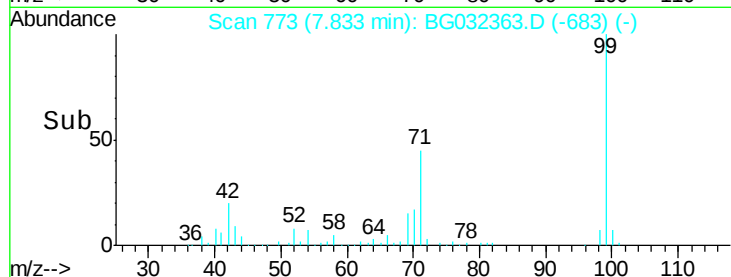
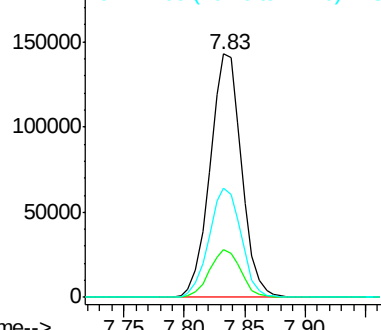
99 100

42 19.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.070 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Tgt Ion: 70 Resp: 23230

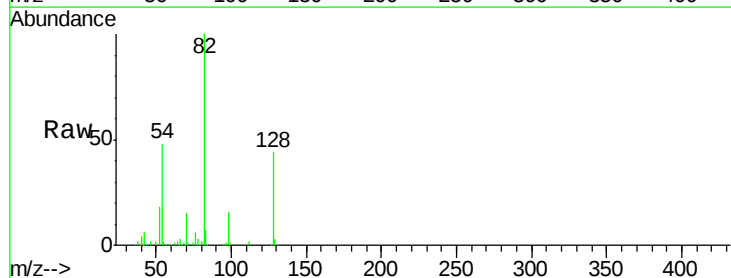
Ion Ratio Lower Upper

70 100

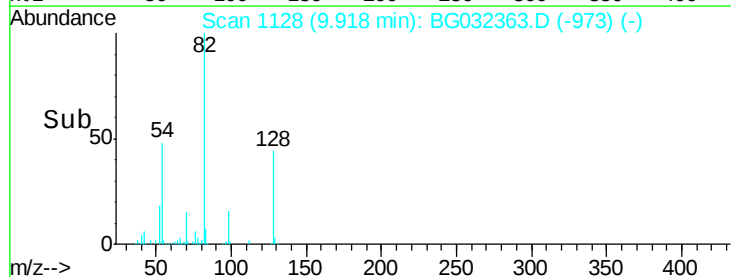
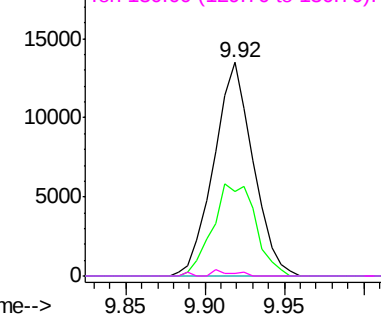
42 39.7 49.1 73.7#

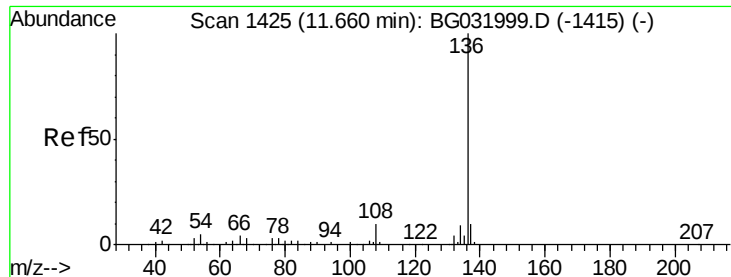
101 0.0 8.5 12.7#

130 1.4 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

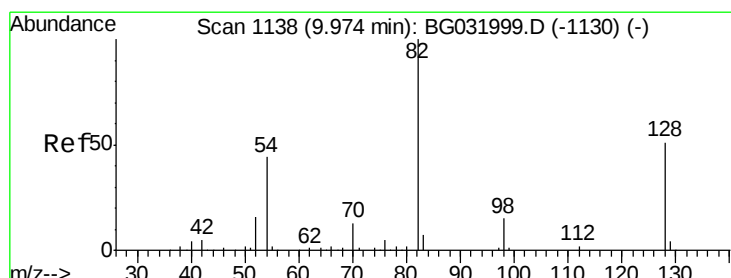
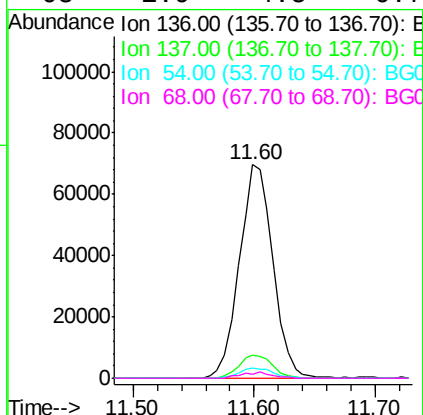
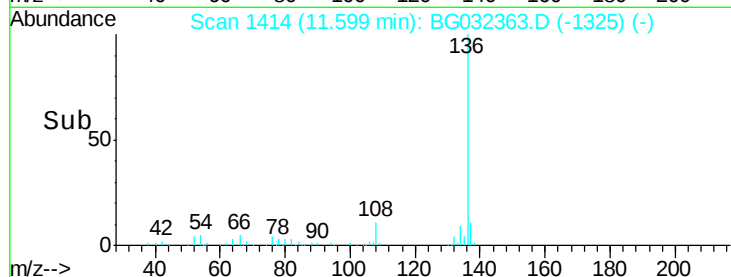
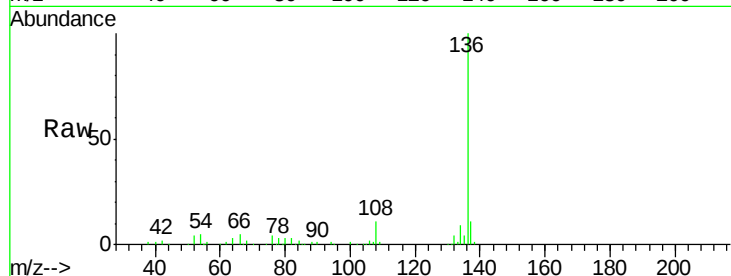




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

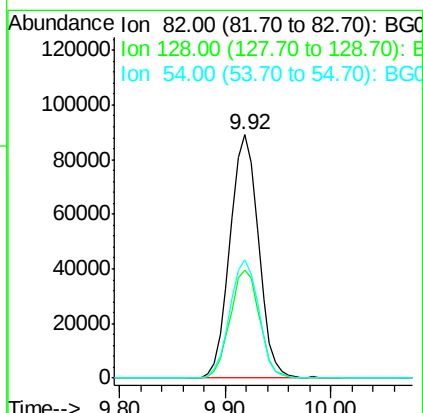
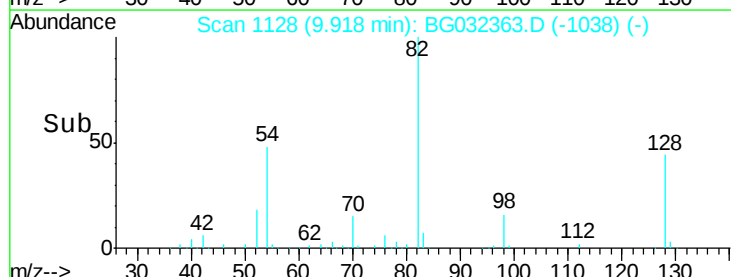
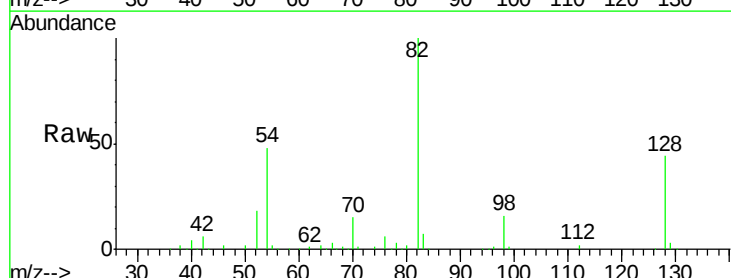
Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	134428
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.2 13.8
54	5.0	10.3 15.5#
68	1.9	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 83.617 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Tgt Ion: 82	Resp:	166145
Ion	Ratio	Lower Upper
82	100	
128	44.3	29.7 44.5
54	48.5	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Instrument :

BNA_G

ClientSampleId :

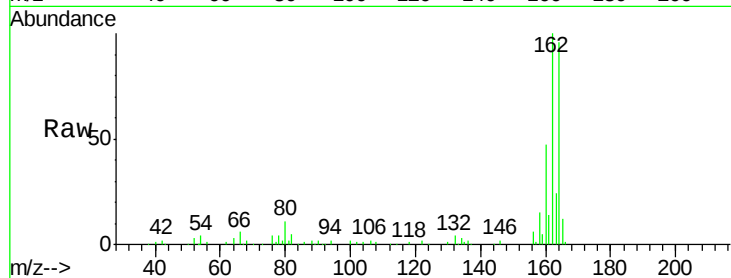
Tot Ion:164 Resp: 89382

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

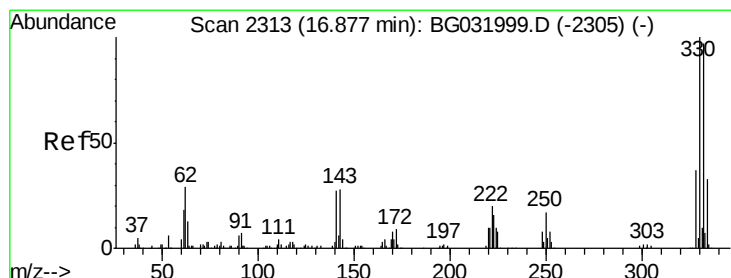
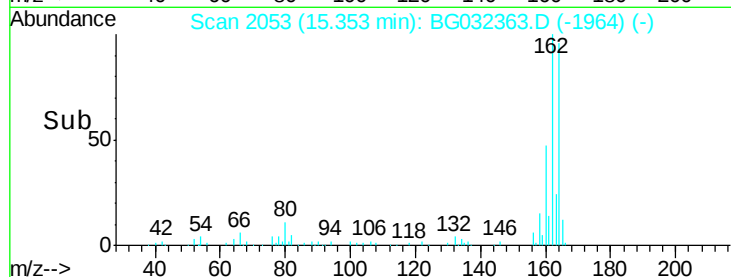
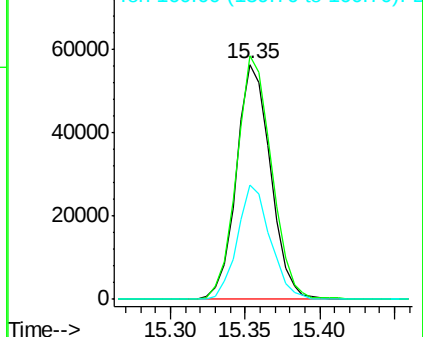
160 48.4 35.4 53.0



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: 126.208 ng

RT: 16.83 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

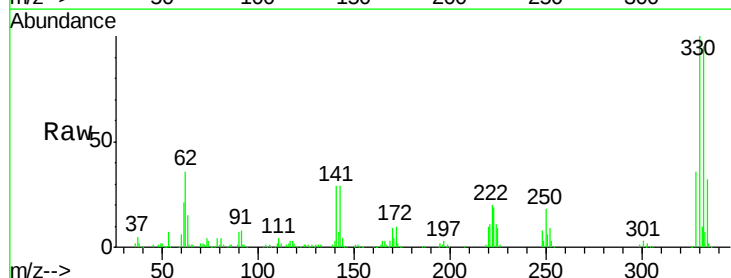
Tgt Ion:330 Resp: 186669

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

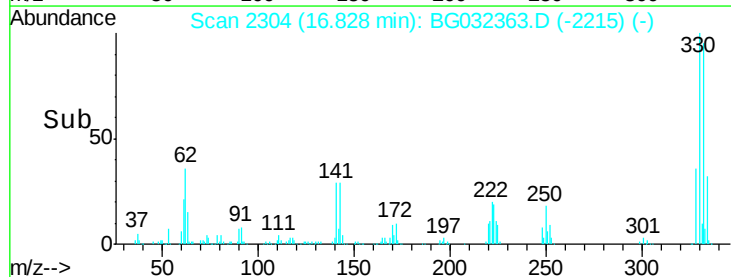
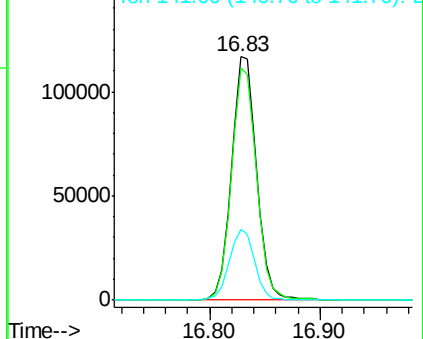
141 29.2 25.2 37.8

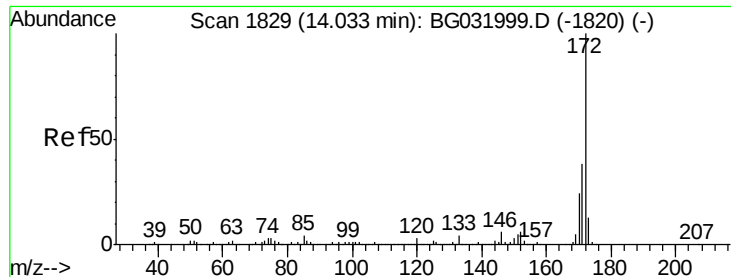


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

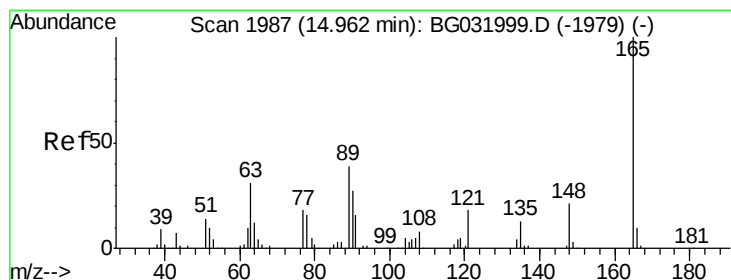
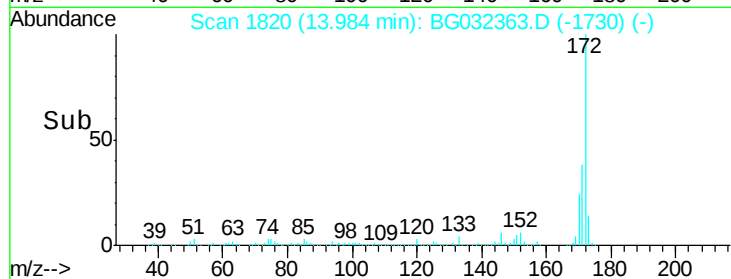
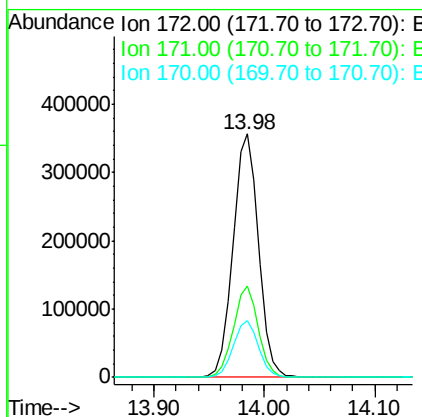
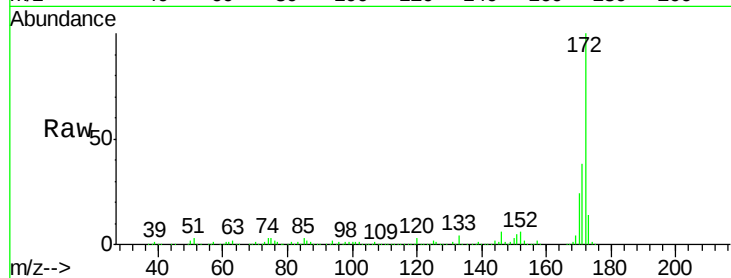




#44
2-Fluorobiphenyl
Concen: 79.724 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

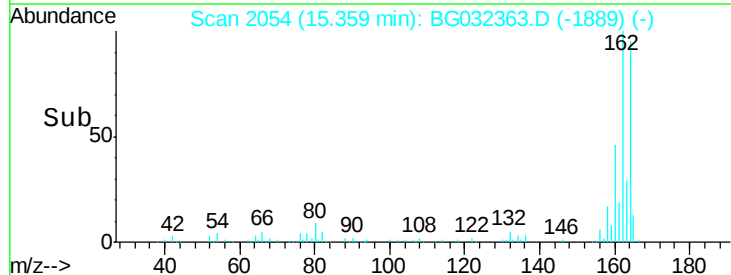
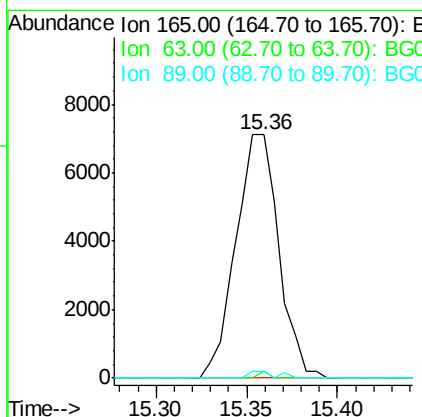
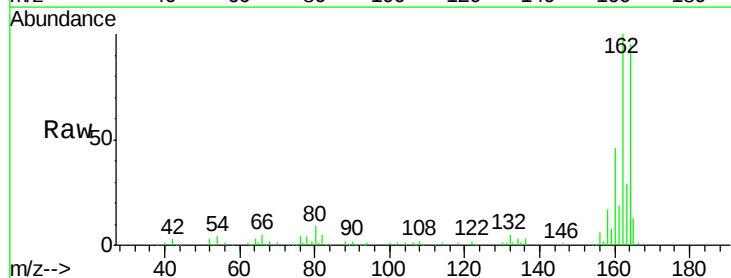
Instrument :
BNA_G
ClientSampled :

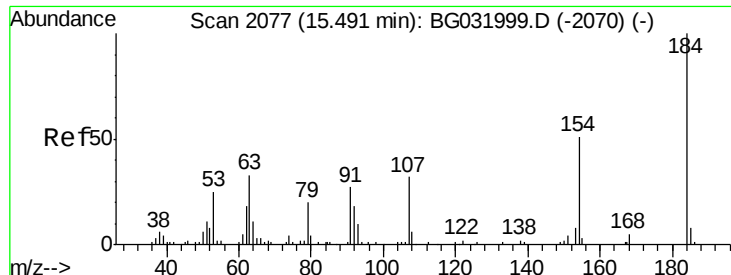
Tot Ion:172 Resp: 574690
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.202 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.44 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Tgt Ion:165 Resp: 11692
Ion Ratio Lower Upper
165 100
63 2.9 52.7 79.1#
89 3.0 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.032 ng

RT: 14.95 min Scan# 1985

Delta R.T. -0.50 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Instrument :

BNA_G

ClientSampleId :

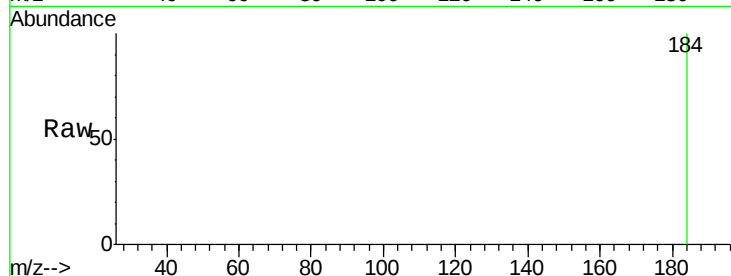
Tot Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

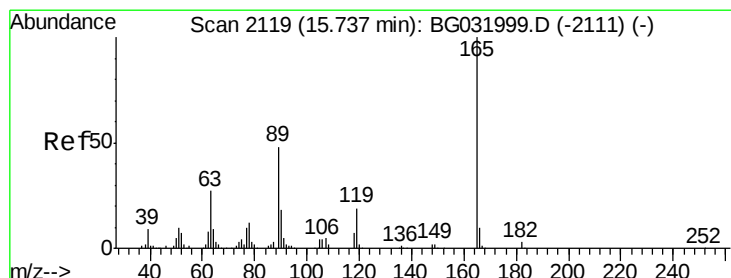
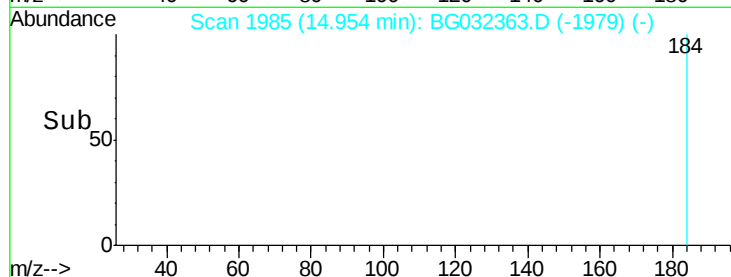
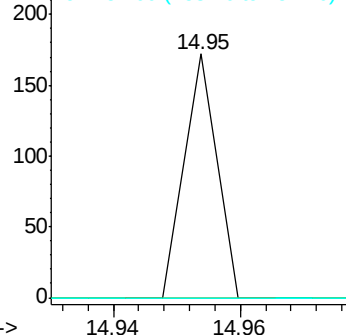
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.349 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Tgt Ion:165 Resp: 11692

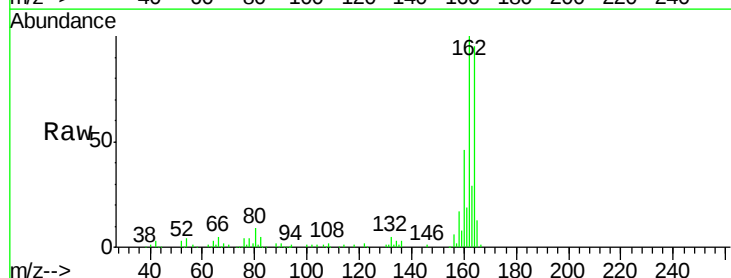
Ion Ratio Lower Upper

165 100

63 2.9 42.0 63.0#

89 3.0 66.9 100.3#

182 0.0 2.6 3.8#

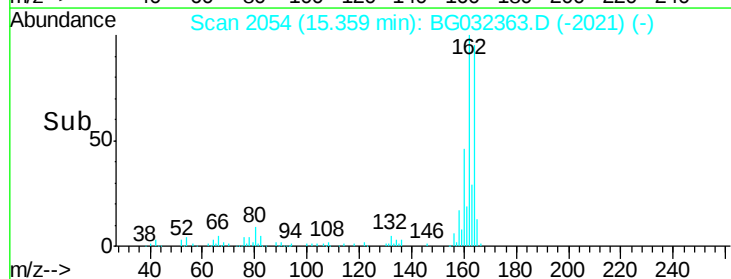
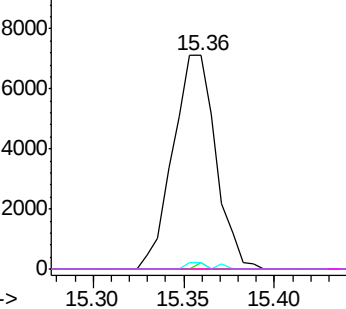


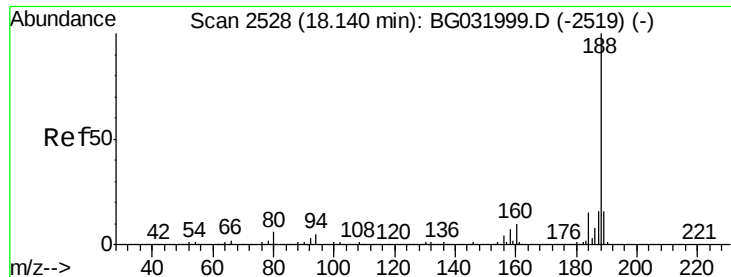
Abundance Ion 165.00 (164.70 to 165.70): E

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

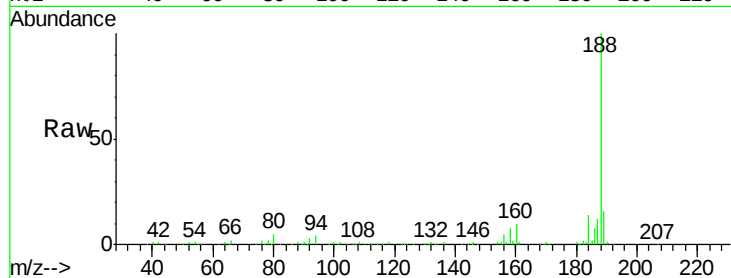




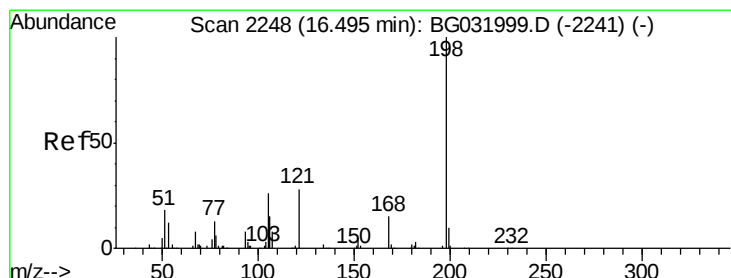
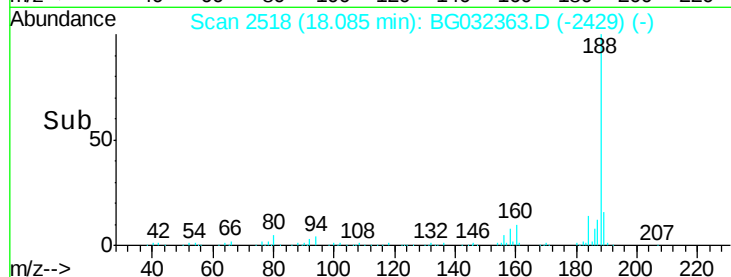
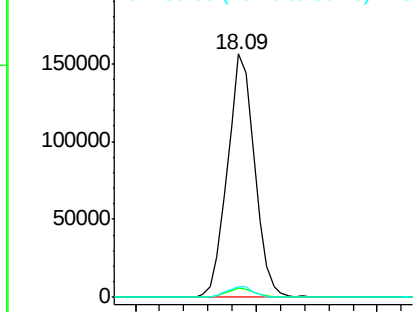
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 244120
Ion Ratio Lower Upper
188 100
94 3.6 6.9 10.3#
80 4.6 7.7 11.5#

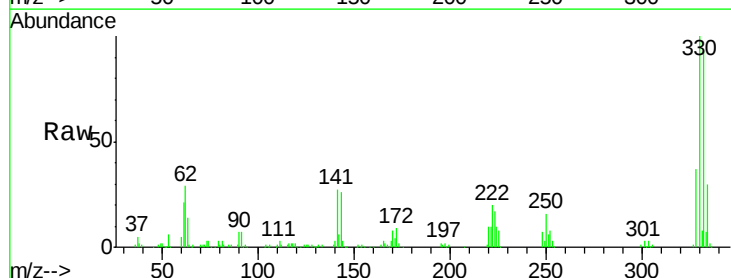


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

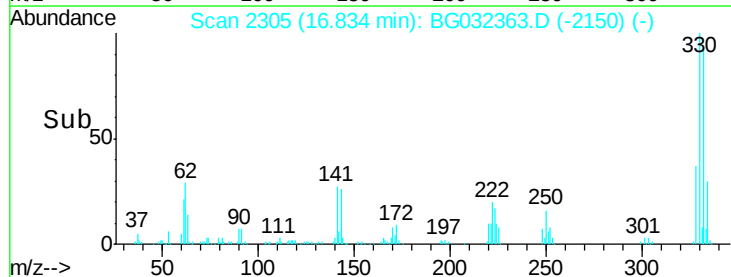
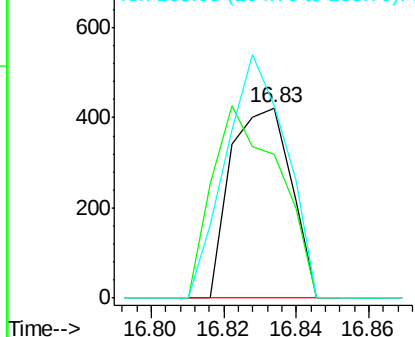


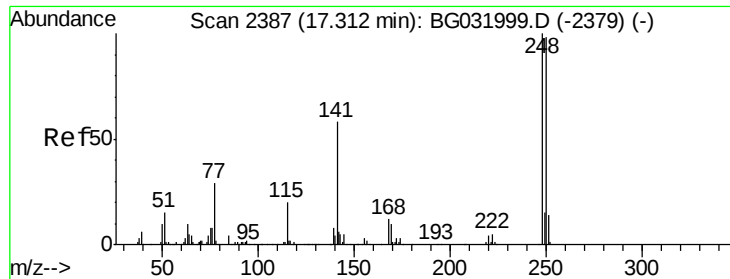
#64
4,6-Dinitro-2-methylphenol
Concen: 5.165 ng
RT: 16.83 min Scan# 2305
Delta R.T. 0.38 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Tgt Ion:198 Resp: 488
Ion Ratio Lower Upper
198 100
51 75.4 30.6 70.6#
105 100.9 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

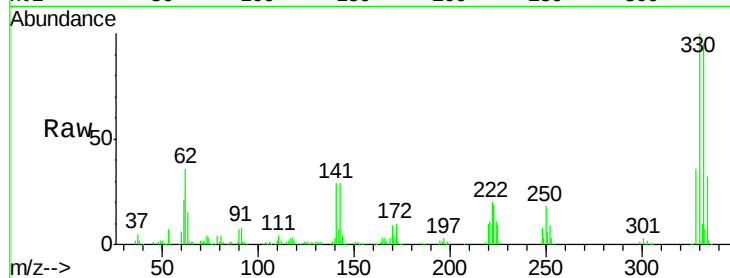




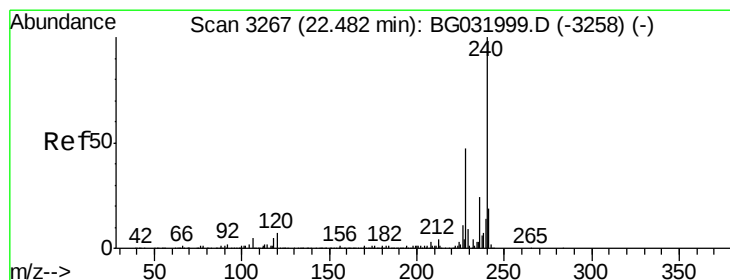
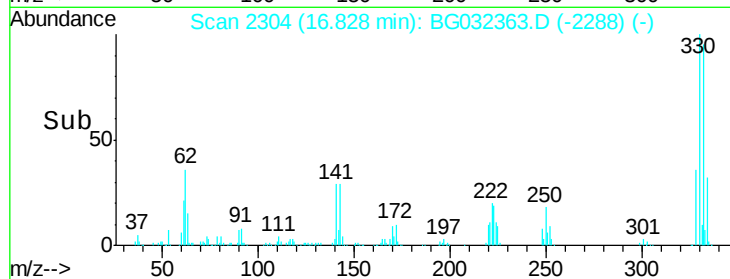
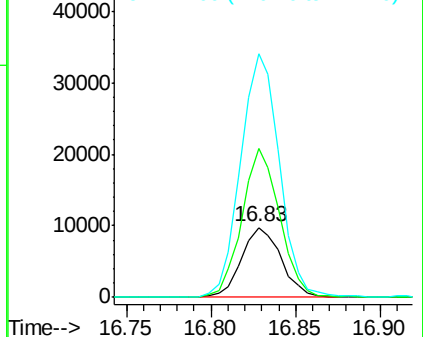
#66
 4-Bromophenyl-phenylether
 Concen: 4.544 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032363.D
 Acq: 27 Jan 2018 19:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 15783
 Ion Ratio Lower Upper
 248 100
 250 213.8 77.1 115.7#
 141 349.4 50.8 76.2#

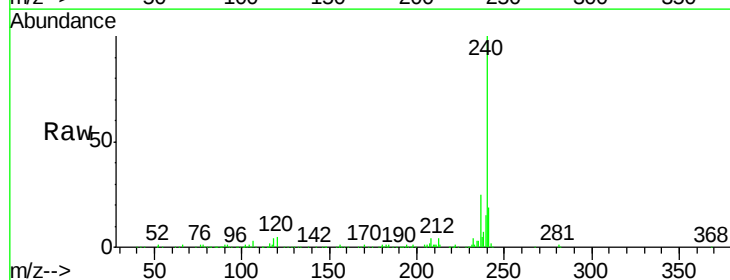


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

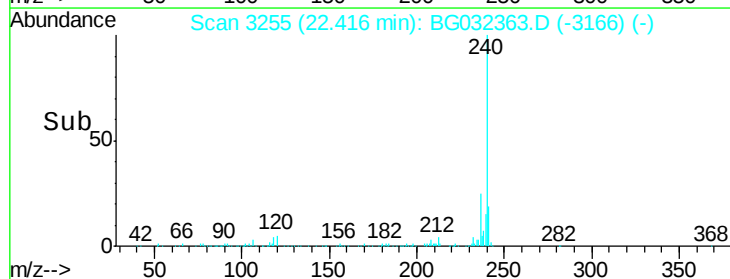
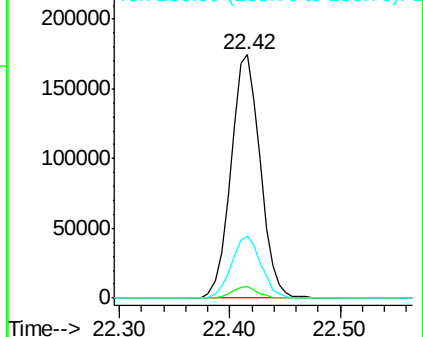


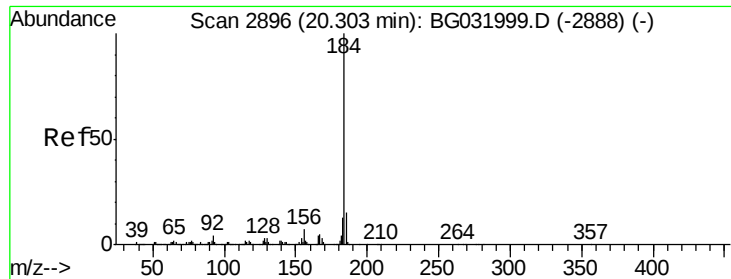
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3255
 Delta R.T. -0.01 min
 Lab File: BG032363.D
 Acq: 27 Jan 2018 19:17

Tgt Ion:240 Resp: 324780
 Ion Ratio Lower Upper
 240 100
 120 5.1 6.8 10.2#
 236 25.2 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: 2.104 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.36 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

Instrument :

BNA_G

ClientSampleId :

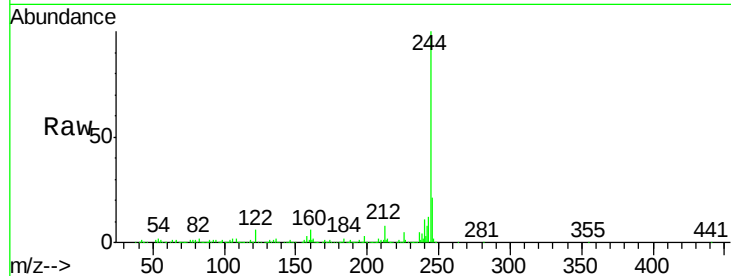
Tot Ion:184 Resp: 17086

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

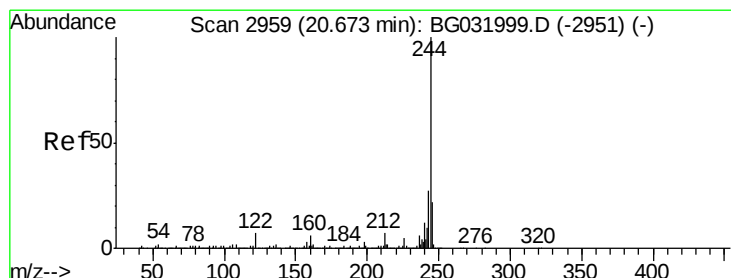
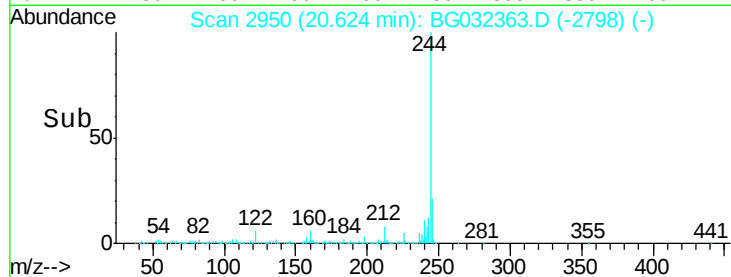
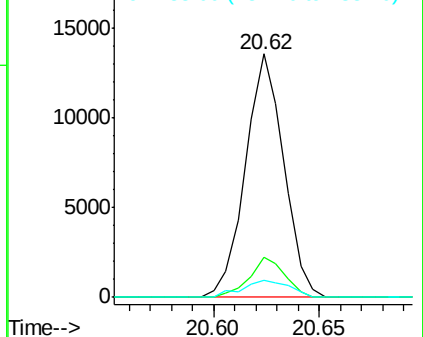
183 7.2 10.6 16.0#



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: 82.155 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032363.D

Acq: 27 Jan 2018 19:17

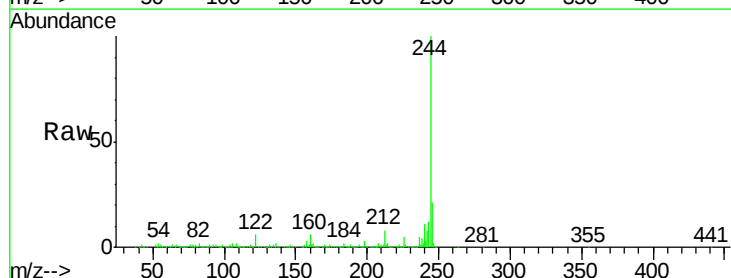
Tgt Ion:244 Resp: 1208414

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

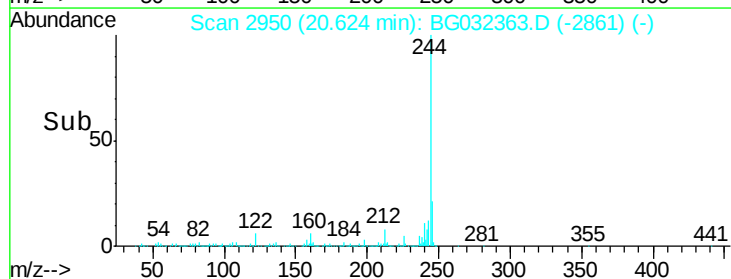
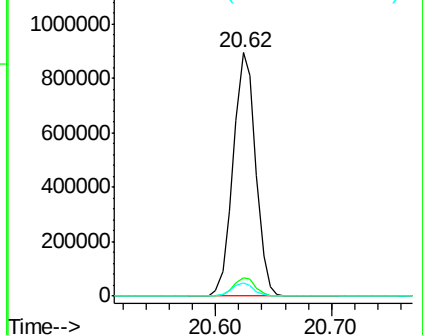
122 5.6 7.0 10.4#

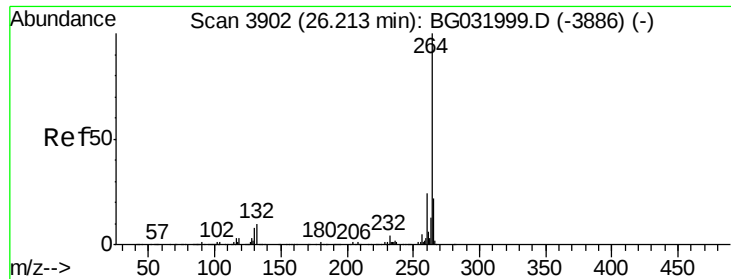


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.09 min Scan# 3881
Delta R.T. -0.02 min
Lab File: BG032363.D
Acq: 27 Jan 2018 19:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 344893

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	21.2	17.7	26.5

