

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032156.D
 Acq On : 19 Jan 2018 17:51
 Operator : SJ/JU
 Sample : J1018-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 19 22:19:01 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

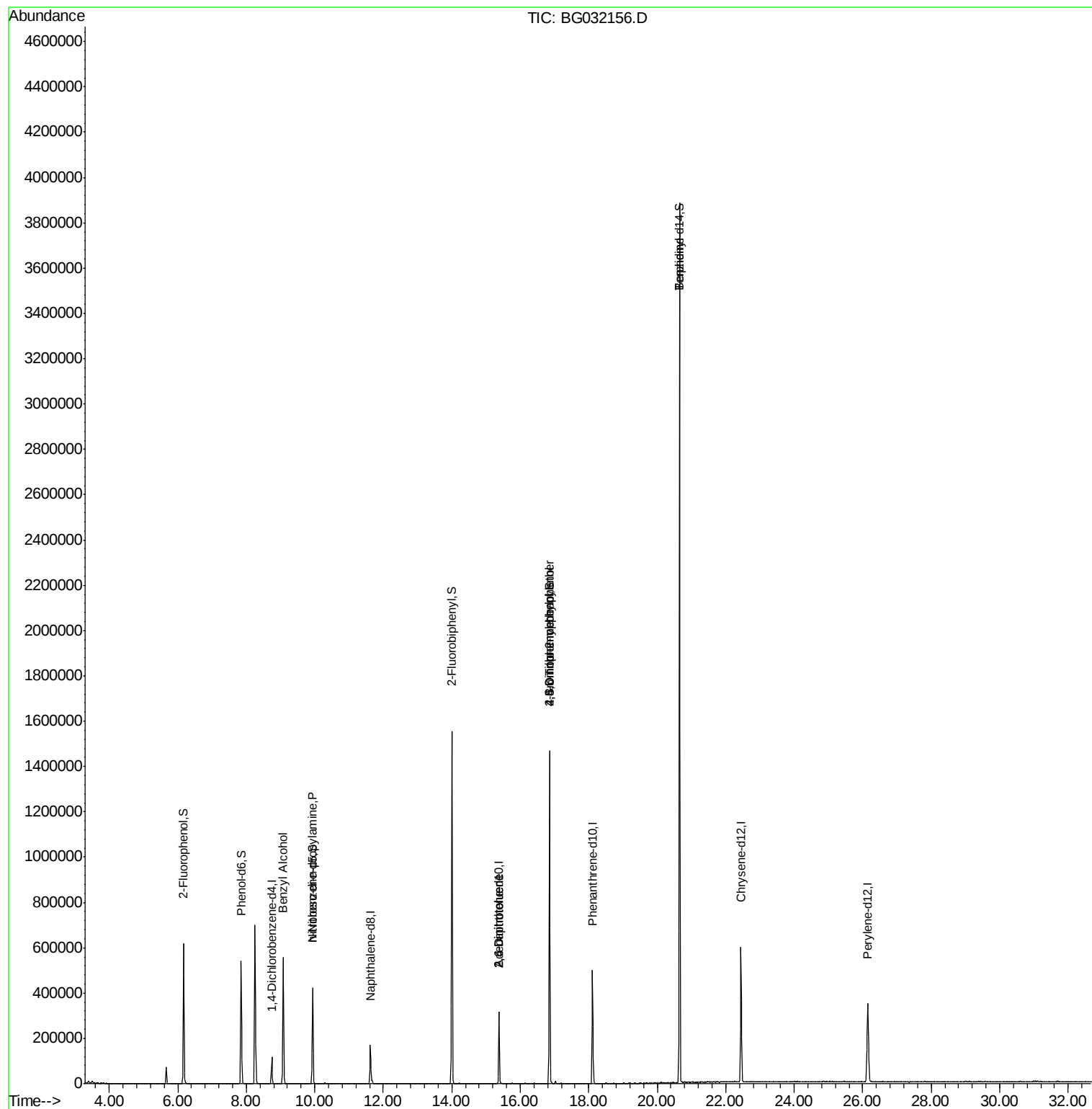
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	39305	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	166646	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	117135	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	335997	20.00	ng	0.00
75) Chrysene-d12	22.45	240	450853	20.00	ng	0.00
86) Perylene-d12	26.15	264	452668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	310348	144.41	ng	0.00
7) Phenol-d6	7.85	99	347413	128.36	ng	0.00
23) Nitrobenzene-d5	9.94	82	261391	106.12	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	327688	169.06	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	916656	97.03	ng	0.00
78) Terphenyl-d14	20.65	244	2015991	98.73	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.07	79	4746	2.414	ng	# 42
19) n-Nitroso-di-n-propylamine	9.94	70	35921	21.390	ng	# 80
50) 2,6-Dinitrotoluene	15.38	165	15085	7.090	ng	# 19
56) 2,4-Dinitrotoluene	15.38	165	15085	5.266	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.85	198	884	5.254	ng	# 15
66) 4-Bromophenyl-phenylether	16.85	248	27262	5.703	ng	# 1
76) Benizidine	20.65	184	28440	2.523	ng	# 91

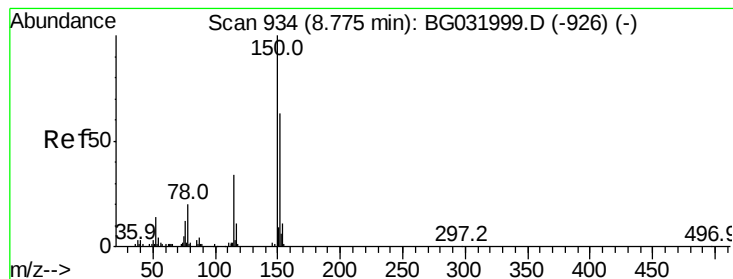
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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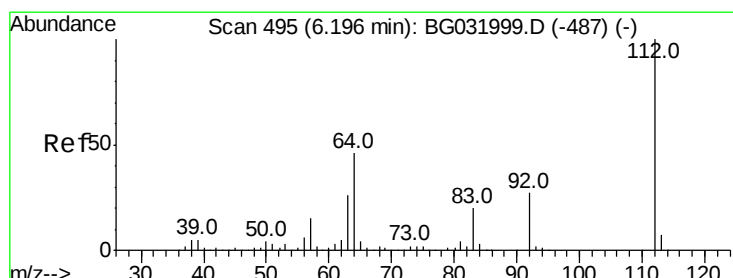
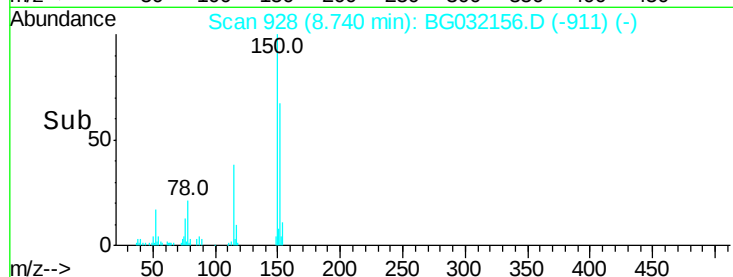
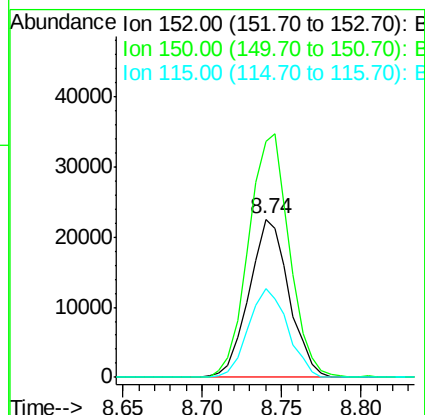
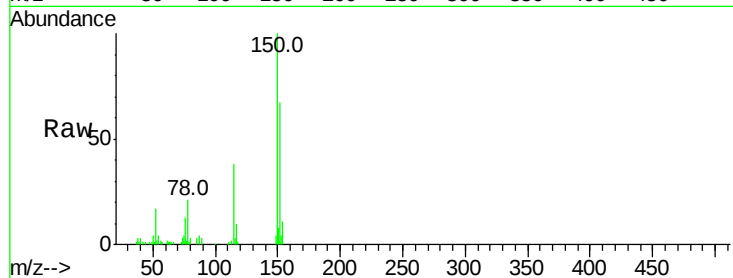


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032156.D
Acq: 19 Jan 2018 17:51

Instrument :
BNA_G
ClientSampleId :

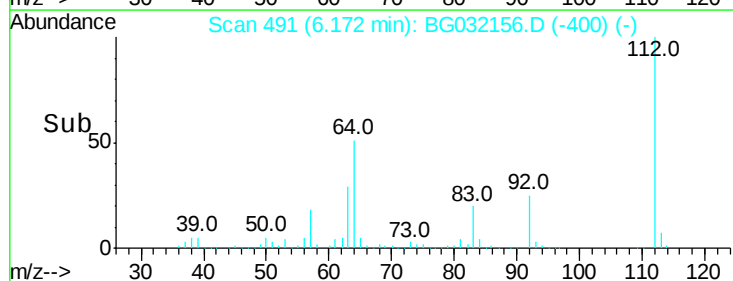
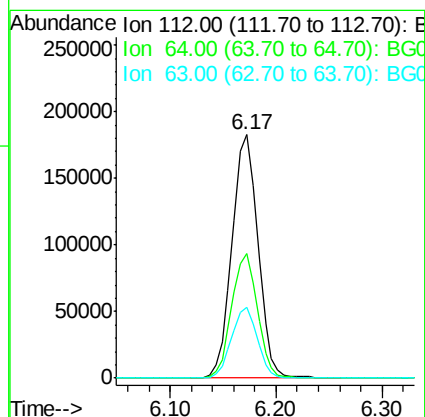
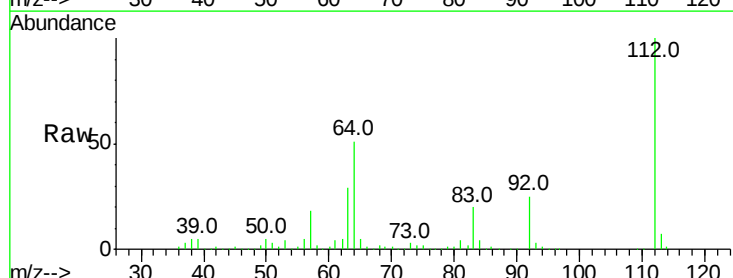
Tot Ion:152 Resp: 39305
Ion Ratio Lower Upper
152 100
150 149.1 126.6 189.8
115 56.1 53.0 79.4

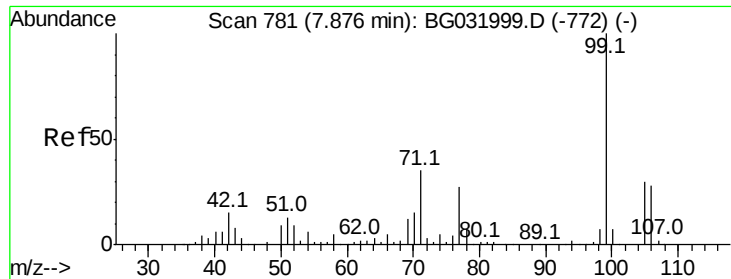


#5

2-Fluorophenol
Concen: 144.411 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032156.D
Acq: 19 Jan 2018 17:51

Tgt Ion:112 Resp: 310348
Ion Ratio Lower Upper
112 100
64 51.1 56.3 84.5#
63 29.3 30.1 45.1#





#7

Phenol-d6

Concen: 128.357 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Instrument :

BNA_G

ClientSampleId :

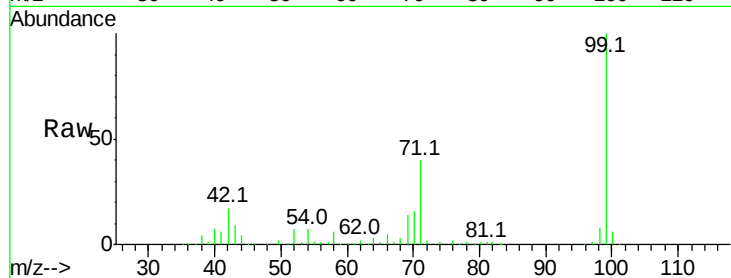
Tot Ion: 99 Resp: 347413

Ion Ratio Lower Upper

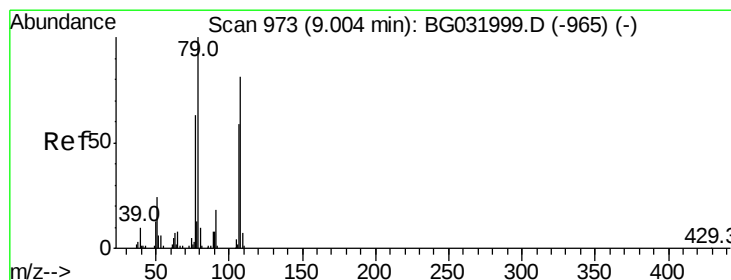
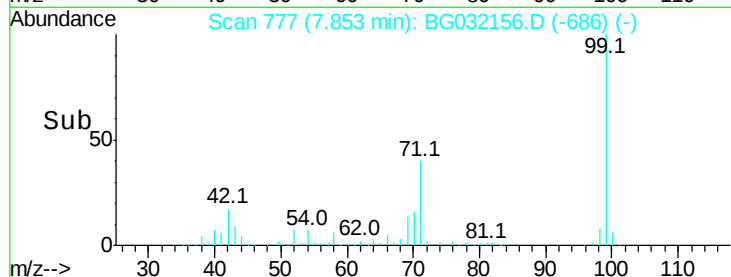
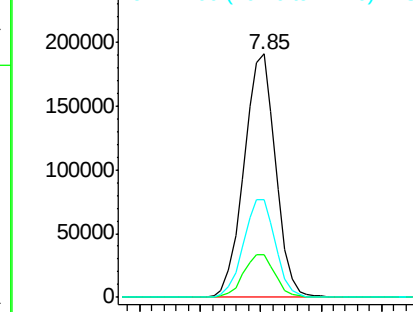
99 100

42 17.3 14.1 21.1

71 40.1 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: 2.414 ng

RT: 9.07 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

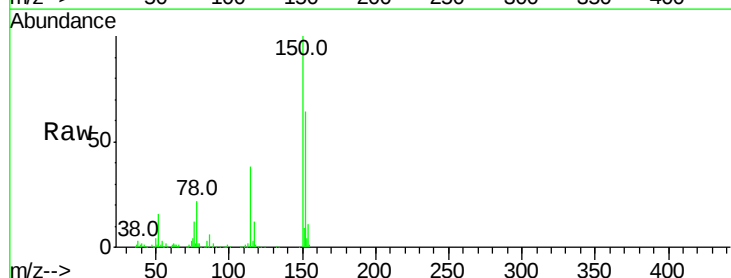
Tgt Ion: 79 Resp: 4746

Ion Ratio Lower Upper

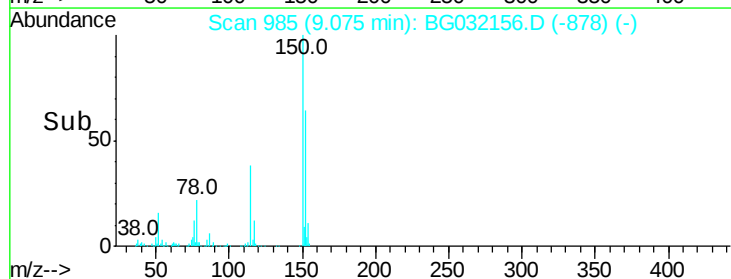
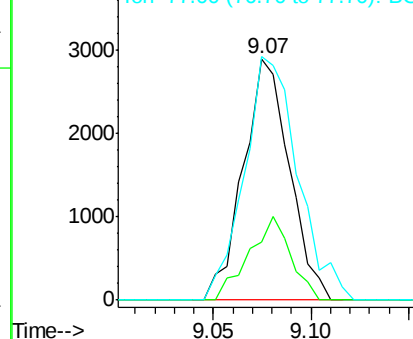
79 100

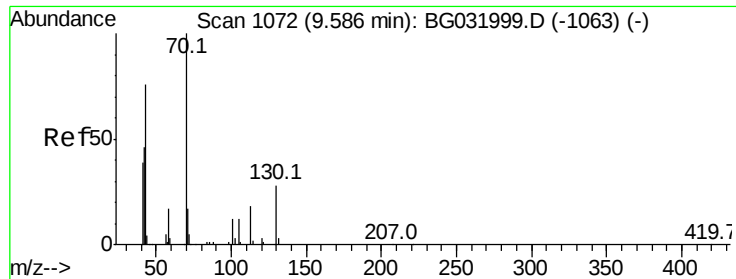
108 24.1 57.2 85.8#

77 100.9 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: 21.390 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032156.D

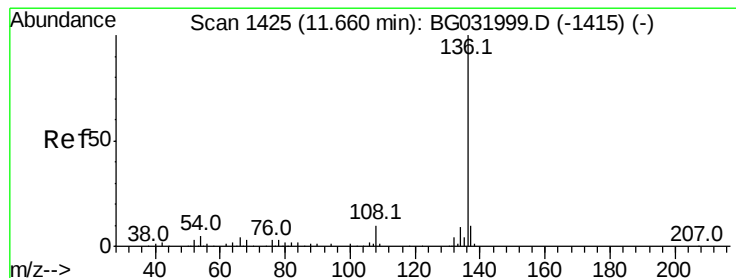
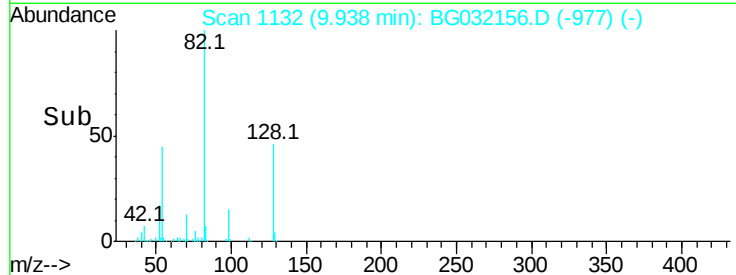
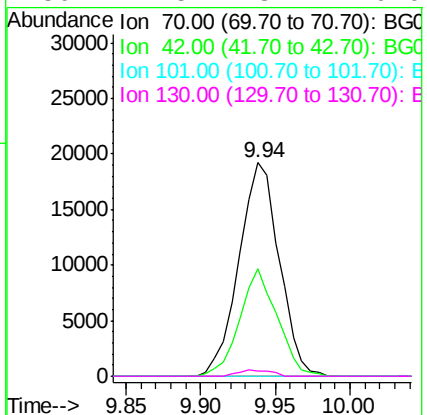
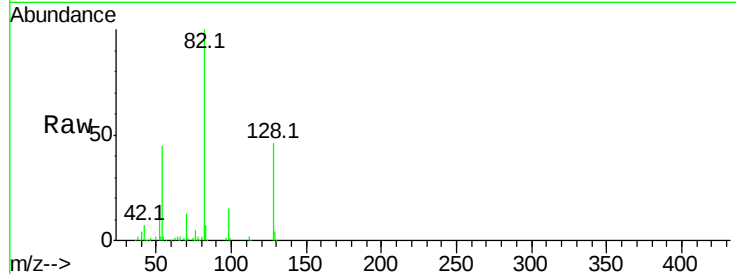
Acq: 19 Jan 2018 17:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	70	Resp:	35921
Ion Ratio	Lower	Upper	
70	100		
42	50.3	49.1	73.7
101	0.0	8.5	12.7#
130	2.5	13.4	20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

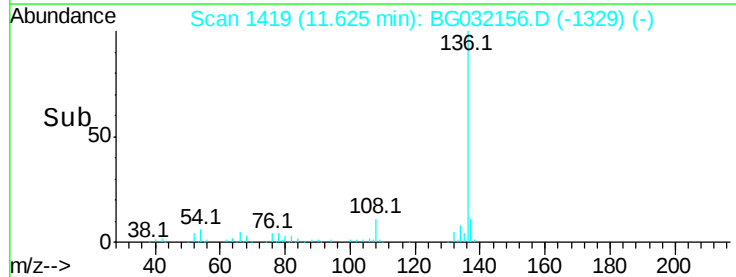
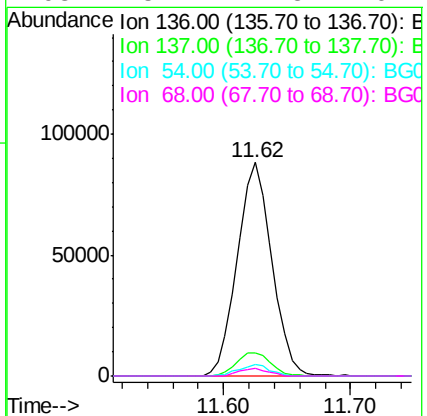
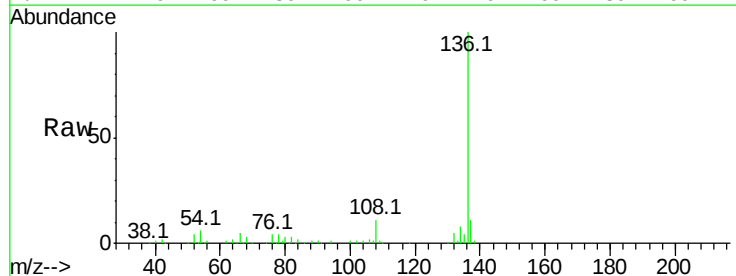
RT: 11.62 min Scan# 1419

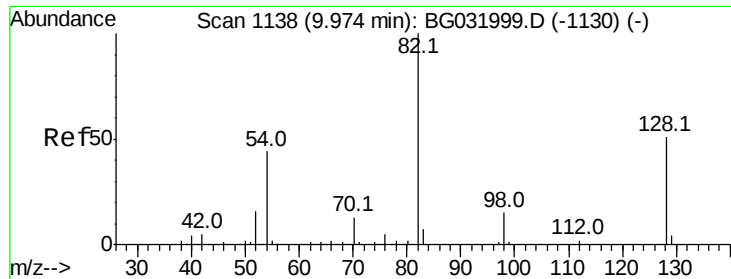
Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Tgt Ion:	136	Resp:	166646
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.2	13.8
54	5.6	10.3	15.5#
68	3.4	4.5	6.7#

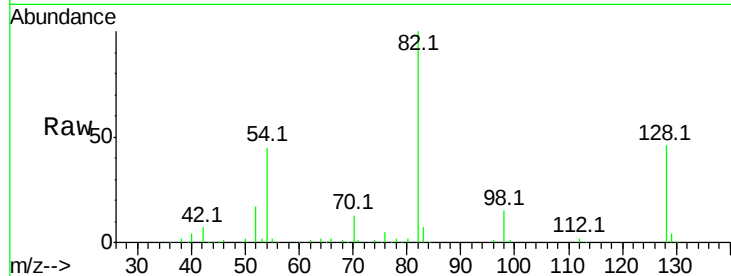




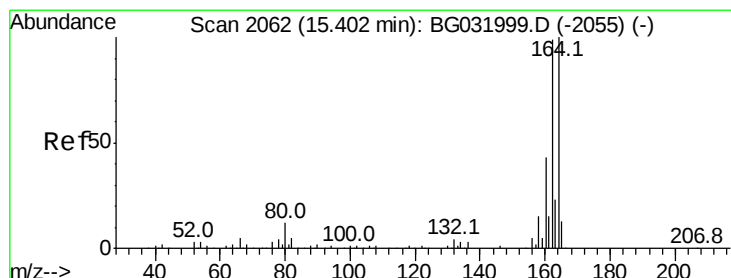
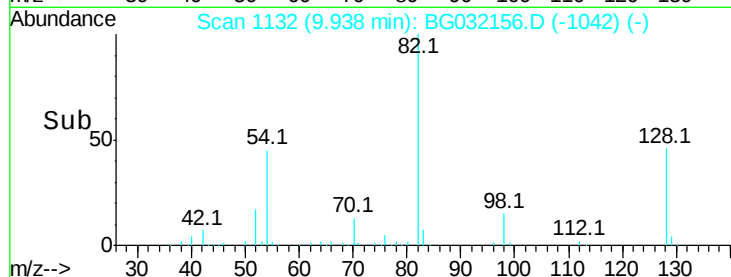
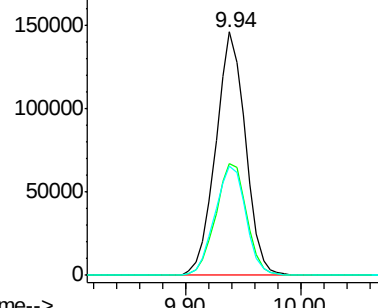
#23
 Nitrobenzene-d5
 Concen: 106.118 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 261391
 Ion Ratio Lower Upper
 82 100
 128 46.1 29.7 44.5#
 54 45.1 43.1 64.7

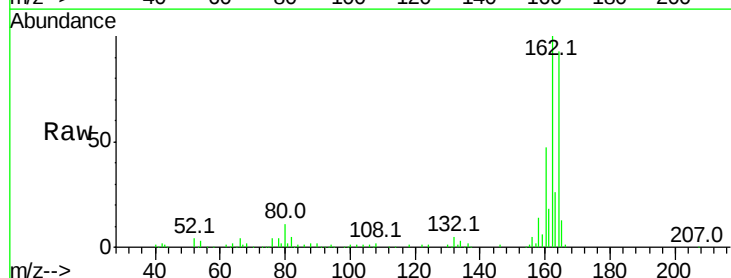


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

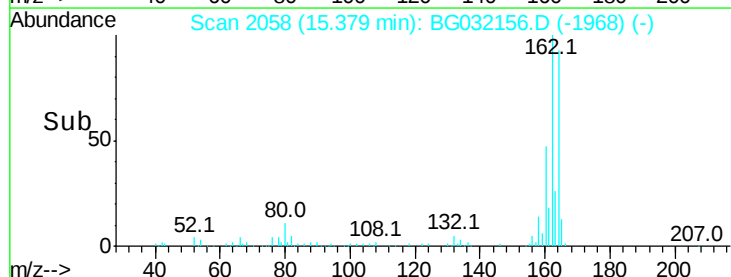
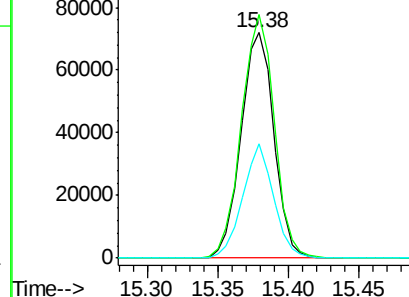


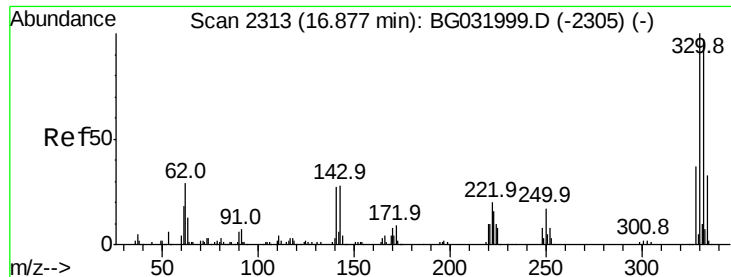
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Tgt Ion:164 Resp: 117135
 Ion Ratio Lower Upper
 164 100
 162 108.1 78.8 118.2
 160 50.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

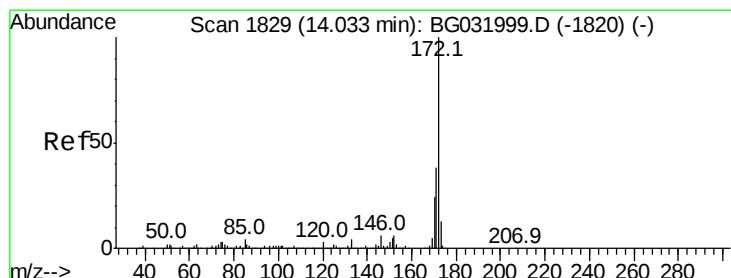
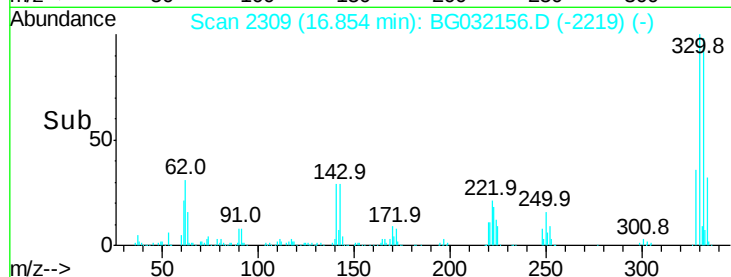
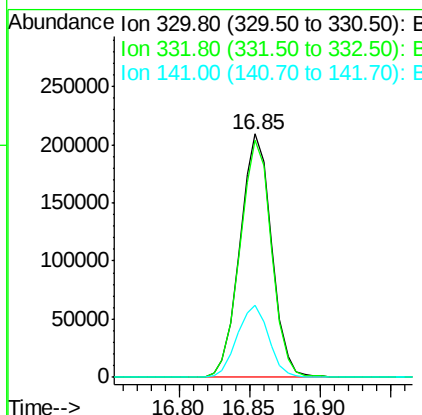
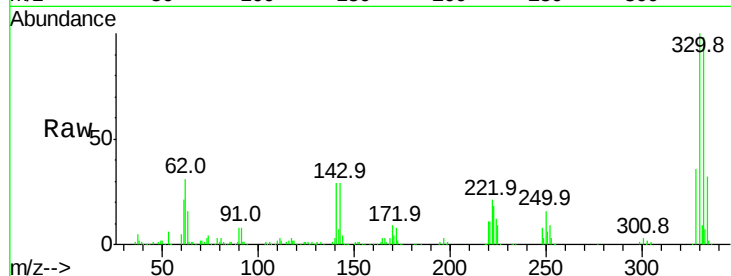




#41
 2,4,6-Tribromophenol
 Concen: 169.059 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

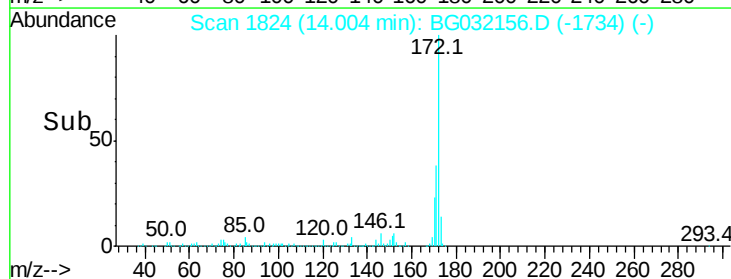
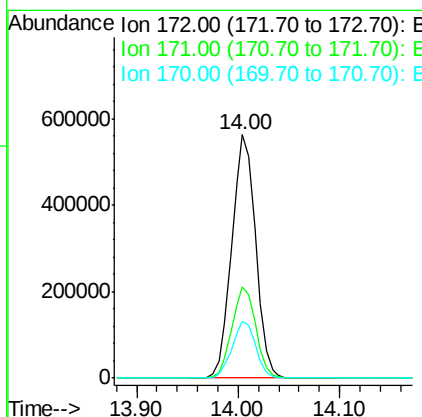
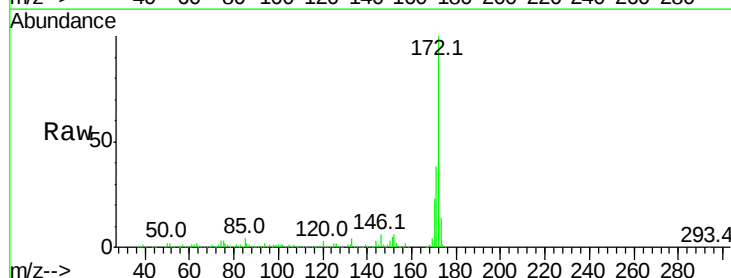
Instrument :
 BNA_G
 ClientSampleId :

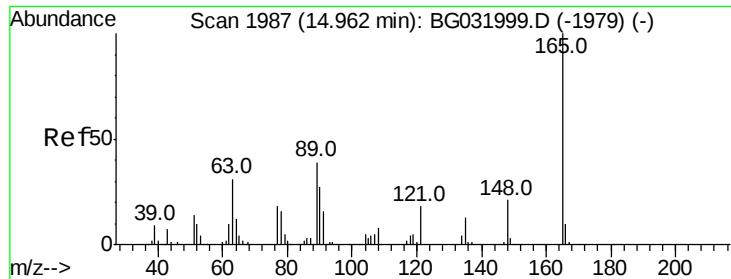
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	29.6	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 97.034 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.3	19.5	29.3

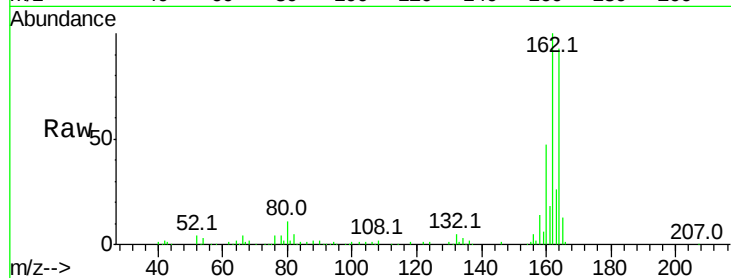




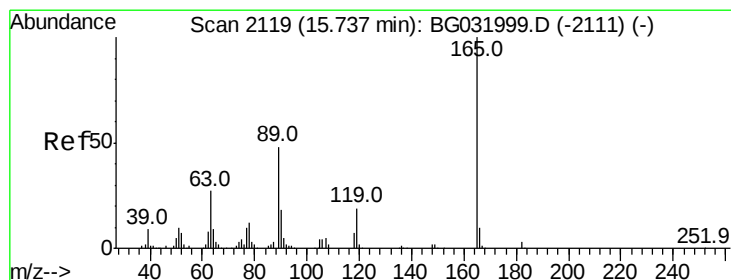
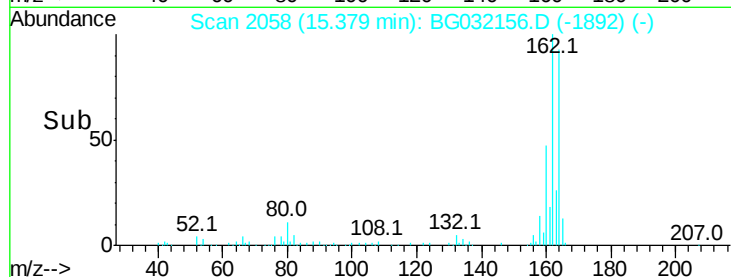
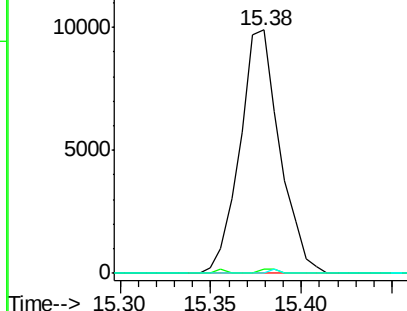
#50
2,6-Dinitrotoluene
Concen: 7.090 ng
RT: 15.38 min Scan# 2058
Delta R.T. 0.44 min
Lab File: BG032156.D
Acq: 19 Jan 2018 17:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 15085
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 0.0 49.2 73.8#



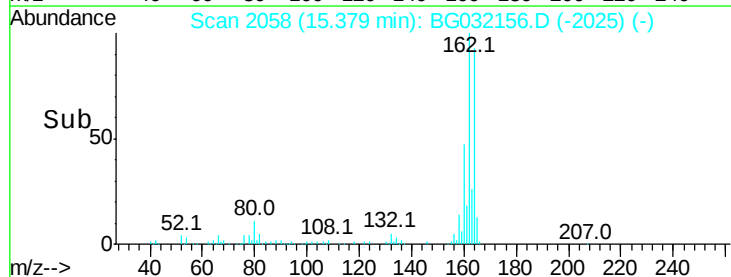
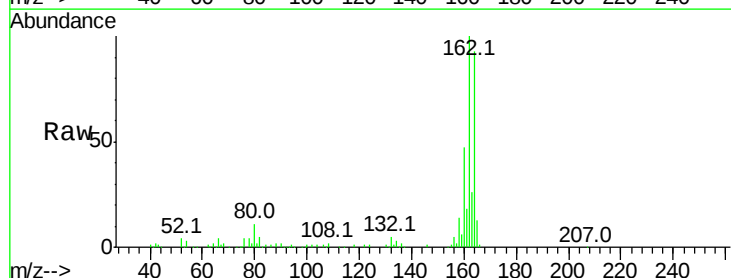
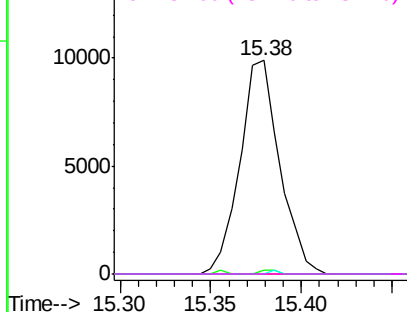
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

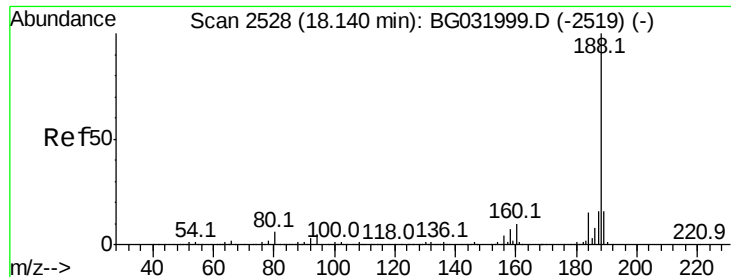


#56
2,4-Dinitrotoluene
Concen: 5.266 ng
RT: 15.38 min Scan# 2058
Delta R.T. -0.34 min
Lab File: BG032156.D
Acq: 19 Jan 2018 17:51

Tgt Ion:165 Resp: 15085
Ion Ratio Lower Upper
165 100
63 1.5 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): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Instrument :

BNA_G

ClientSampleId :

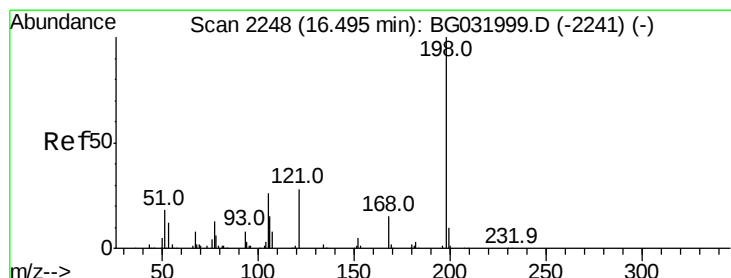
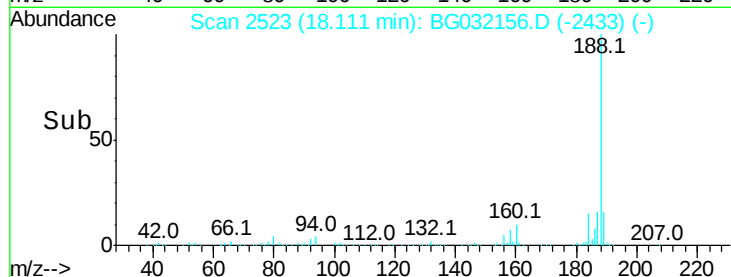
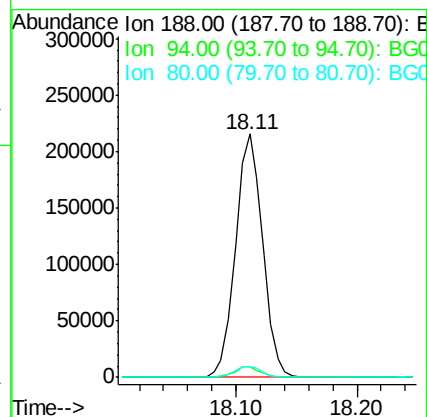
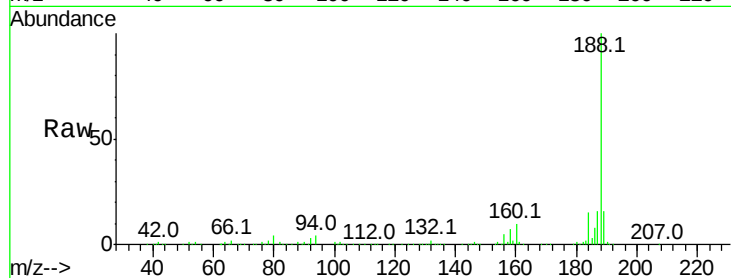
Tot Ion:188 Resp: 335997

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

80 4.5 7.7 11.5#



#64

4,6-Dinitro-2-methylphenol

Concen: 5.254 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.37 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

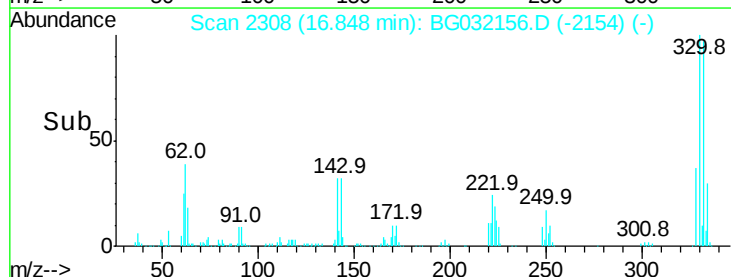
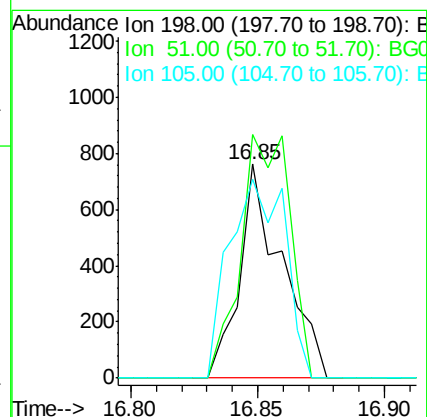
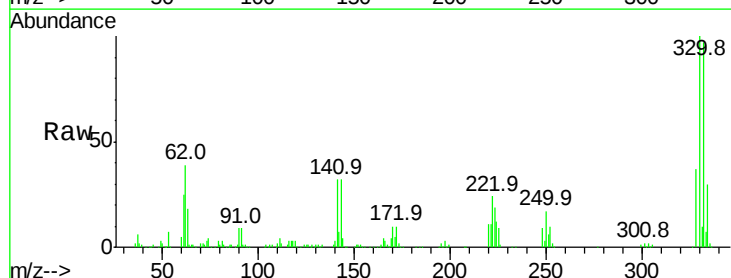
Tgt Ion:198 Resp: 884

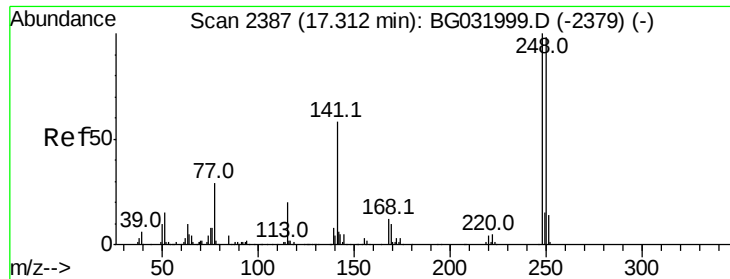
Ion Ratio Lower Upper

198 100

51 113.9 30.6 70.6#

105 93.3 23.8 63.8#

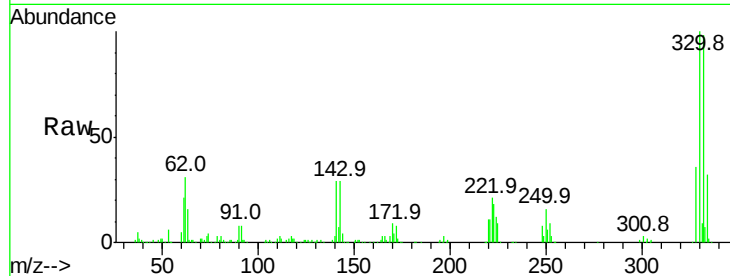




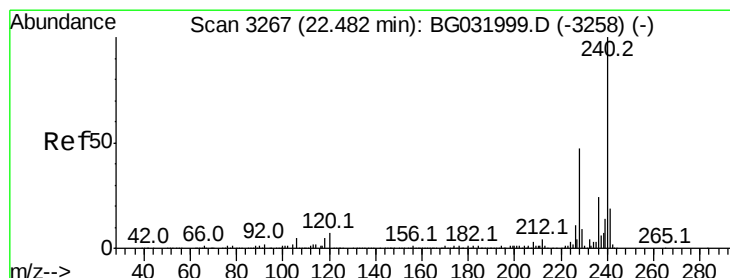
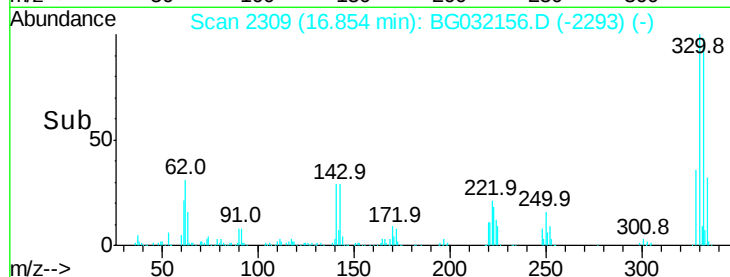
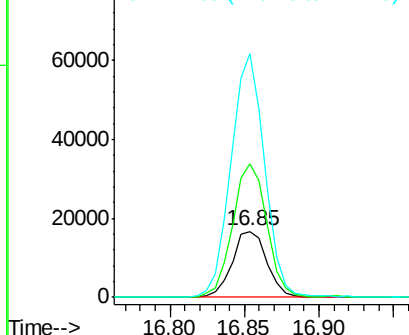
#66
 4-Bromophenyl-phenylether
 Concen: 5.703 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.44 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 27262
 Ion Ratio Lower Upper
 248 100
 250 200.8 77.1 115.7#
 141 367.1 50.8 76.2#

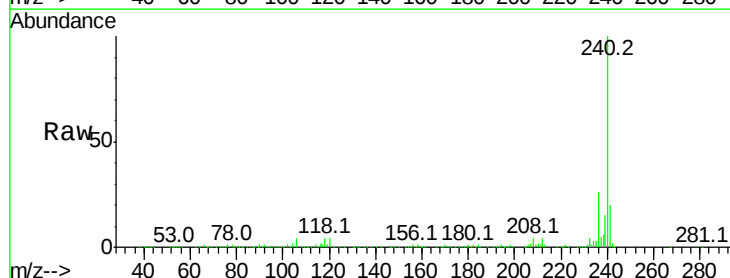


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

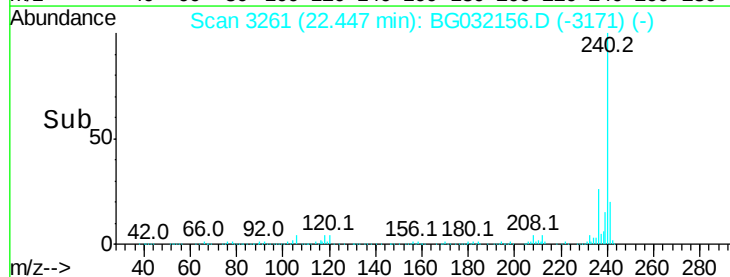
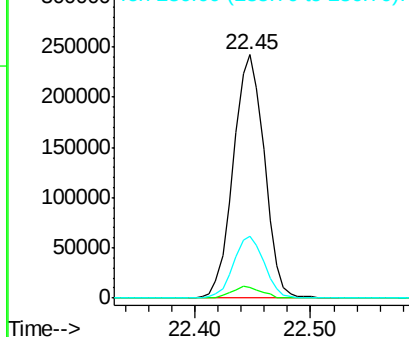


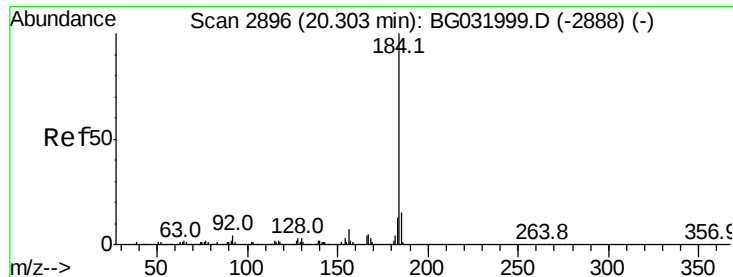
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.45 min Scan# 3261
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Tgt Ion:240 Resp: 450853
 Ion Ratio Lower Upper
 240 100
 120 4.5 6.8 10.2#
 236 25.5 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: 2.523 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

Instrument :

BNA_G

ClientSampleId :

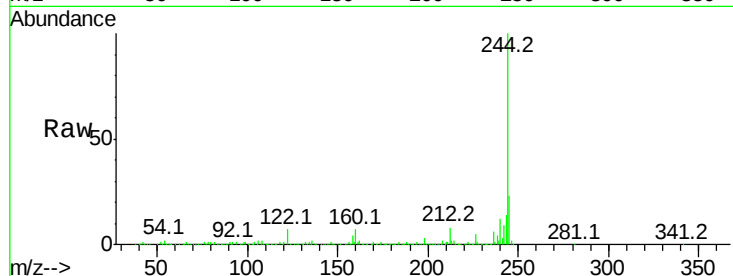
Tot Ion:184 Resp: 28440

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

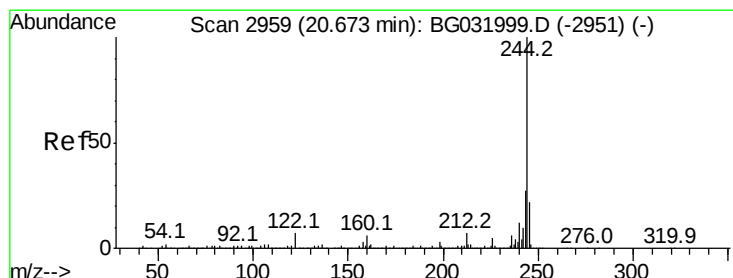
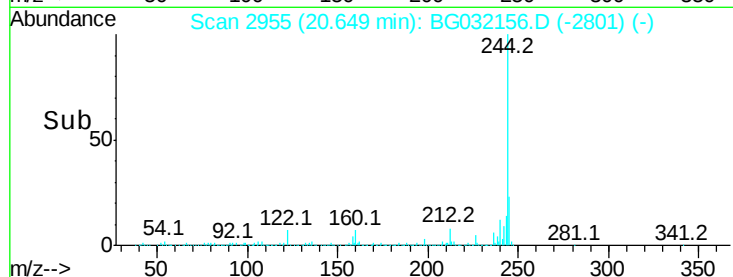
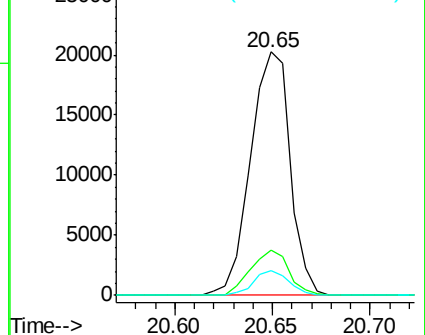
183 10.4 10.6 16.0#



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: 98.733 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032156.D

Acq: 19 Jan 2018 17:51

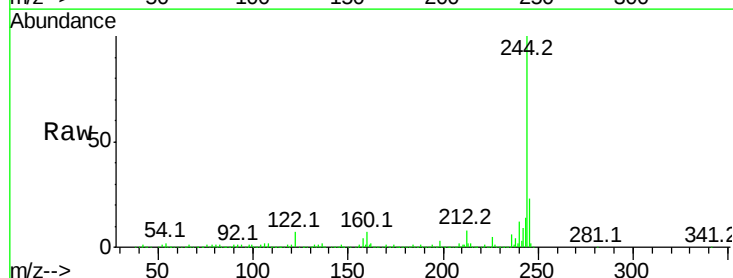
Tgt Ion:244 Resp: 2015991

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

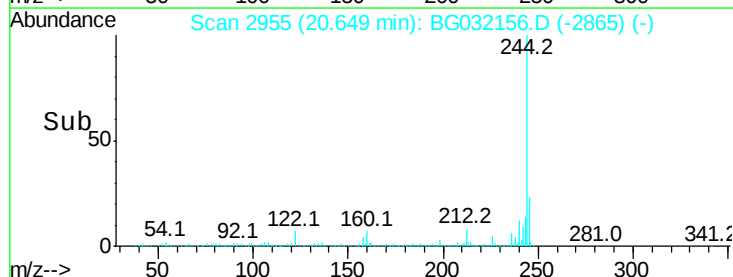
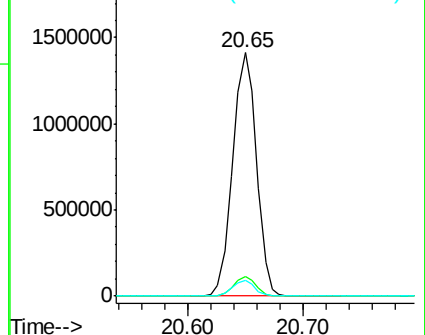
122 6.6 7.0 10.4#

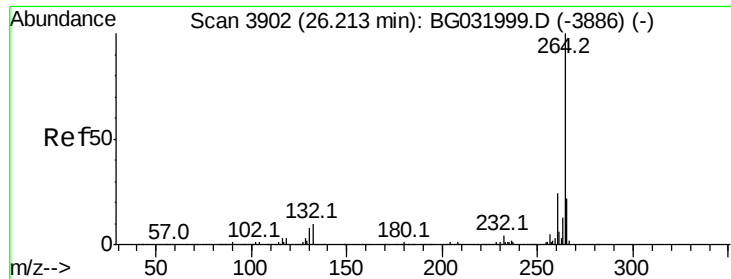


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.15 min Scan# 3891
 Delta R.T. -0.00 min
 Lab File: BG032156.D
 Acq: 19 Jan 2018 17:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 452668
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.4 26.0
 265 23.0 17.7 26.5

