

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032157.D
 Acq On : 19 Jan 2018 18:29
 Operator : SJ/JU
 Sample : J1010-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 19 22:19:18 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

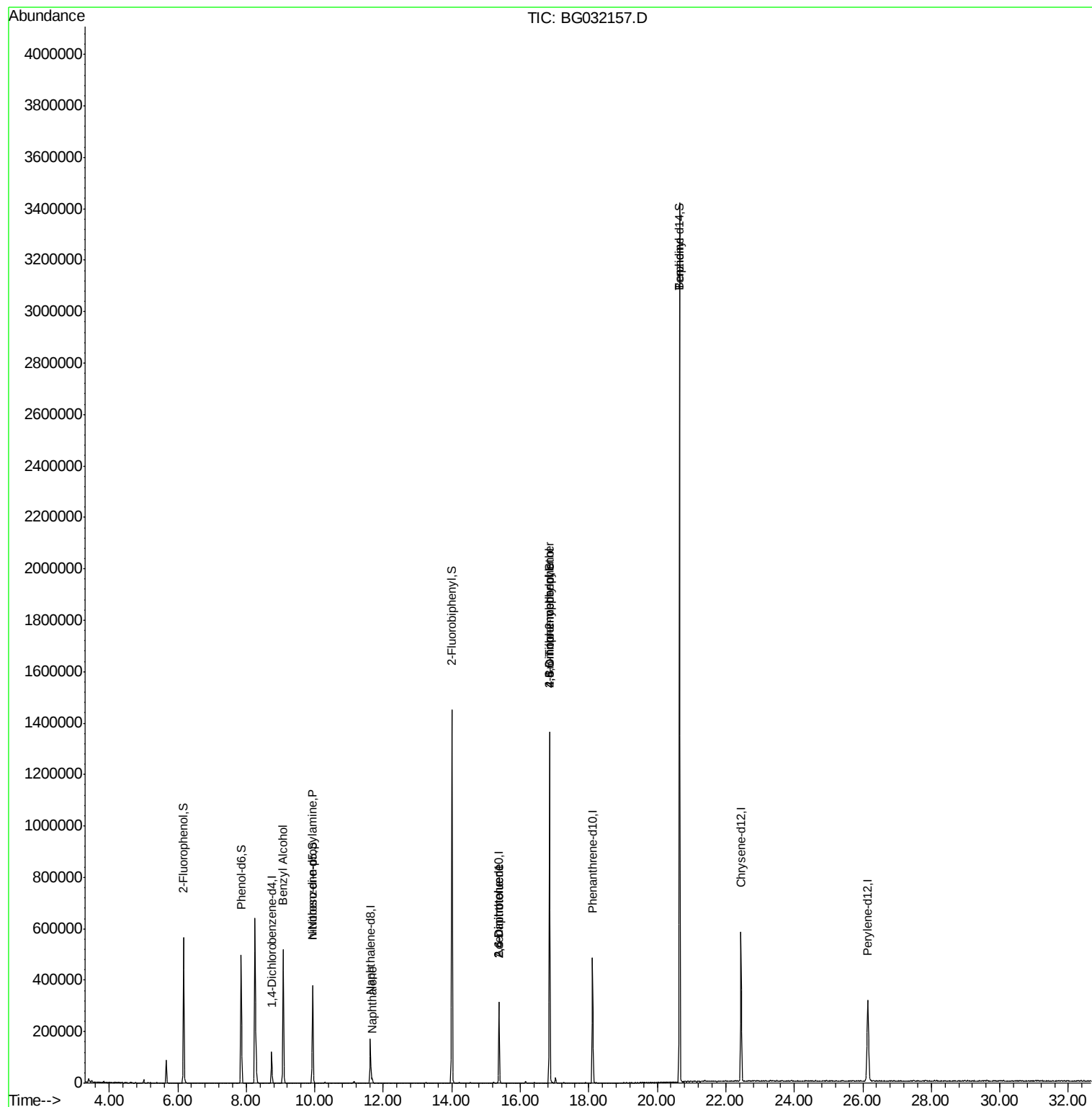
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	39469	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	167123	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	118366	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	331490	20.00	ng	0.00
75) Chrysene-d12	22.45	240	437639	20.00	ng	0.00
86) Perylene-d12	26.15	264	445412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	279371	129.46	ng	0.00
7) Phenol-d6	7.85	99	316525	116.46	ng	0.00
23) Nitrobenzene-d5	9.94	82	243447	98.55	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	300529	153.43	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	849836	89.03	ng	0.00
78) Terphenyl-d14	20.65	244	1812132	91.43	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.07	79	3966	2.009	ng	# 58
19) n-Nitroso-di-n-propylamine	9.94	70	34393	20.395	ng	# 75
31) Naphthalene	11.68	128	20317	2.454	ng	# 99
50) 2,6-Dinitrotoluene	15.38	165	14653	6.815	ng	# 20
56) 2,4-Dinitrotoluene	15.38	165	14653	5.062	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	852	5.245	ng	# 69
66) 4-Bromophenyl-phenylether	16.85	248	24208	5.133	ng	# 1
76) Benzidine	20.65	184	24648	2.252	ng	# 91

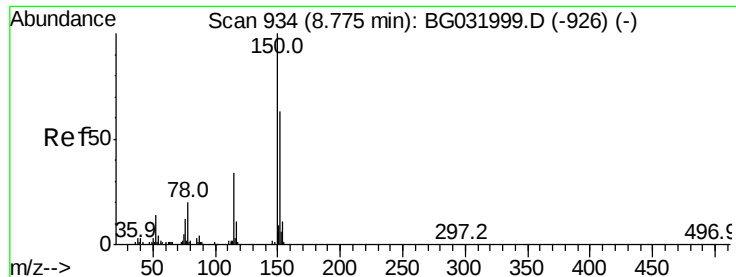
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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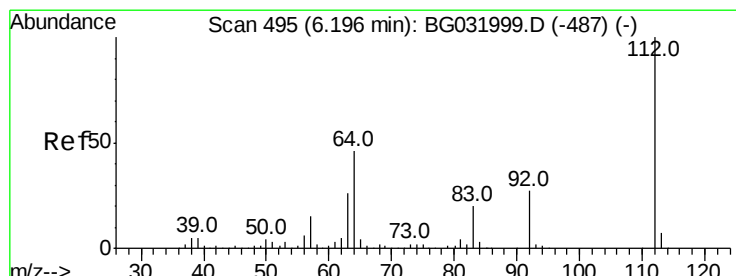
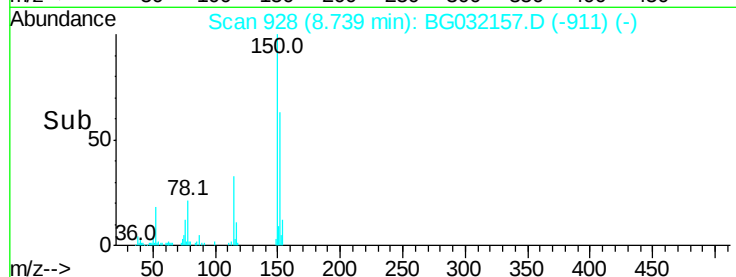
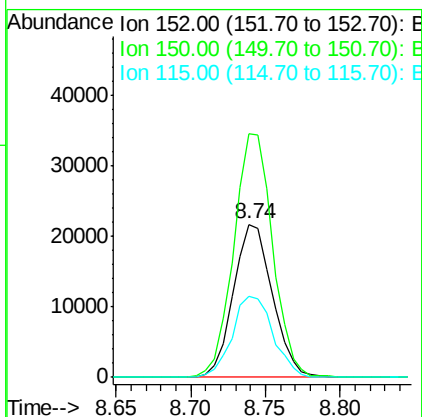
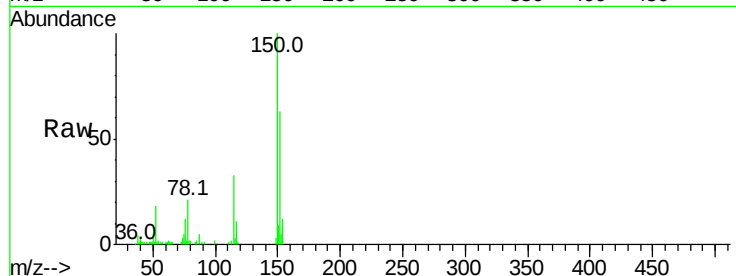


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032157.D
Acq: 19 Jan 2018 18:29

Instrument :
BNA_G
ClientSampleId :

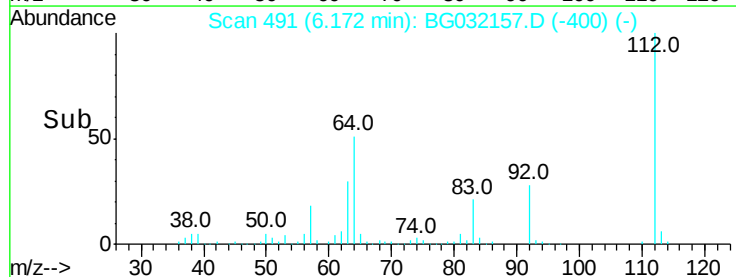
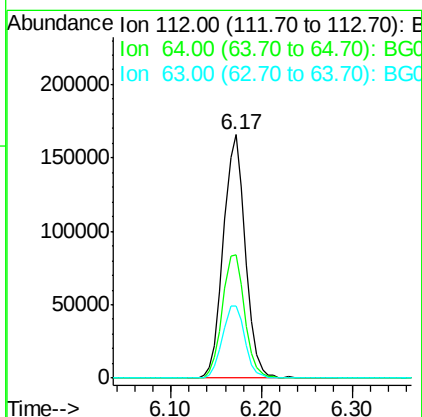
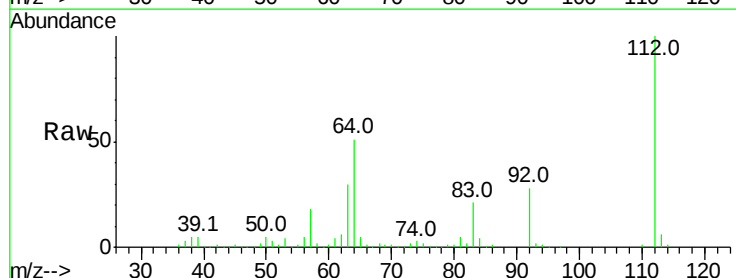
Tot Ion:152 Resp: 39469
Ion Ratio Lower Upper
152 100
150 159.4 126.6 189.8
115 53.3 53.0 79.4

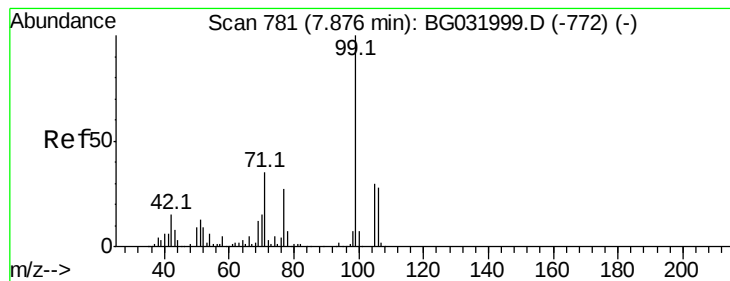


#5

2-Fluorophenol
Concen: 129.456 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032157.D
Acq: 19 Jan 2018 18:29

Tgt Ion:112 Resp: 279371
Ion Ratio Lower Upper
112 100
64 50.7 56.3 84.5#
63 29.8 30.1 45.1#





#7

Phenol-d6

Concen: 116.459 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

Instrument :

BNA_G

ClientSampleId :

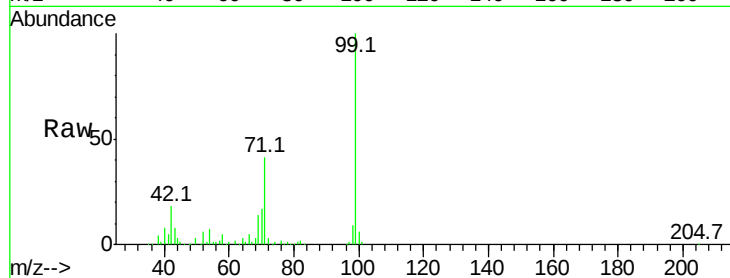
Tot Ion: 99 Resp: 316525

Ion Ratio Lower Upper

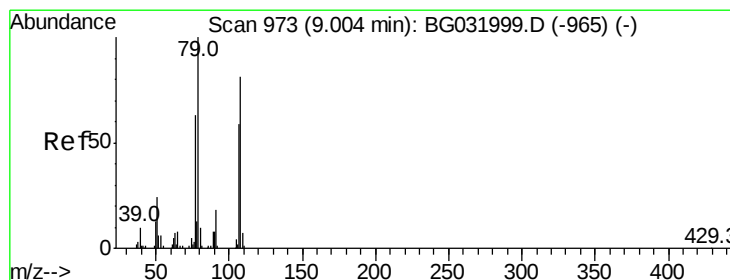
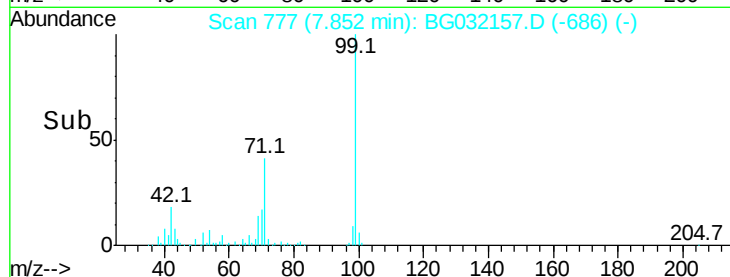
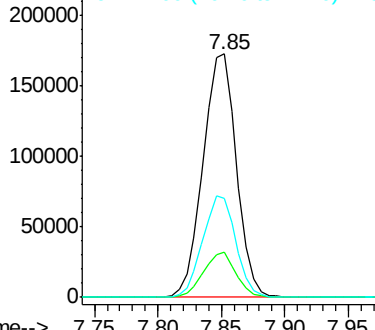
99 100

42 18.4 14.1 21.1

71 40.6 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: 2.009 ng

RT: 9.07 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

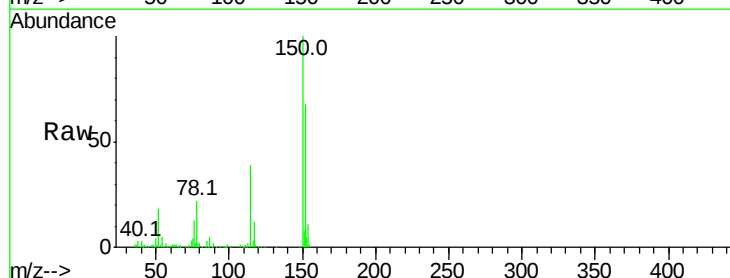
Tgt Ion: 79 Resp: 3966

Ion Ratio Lower Upper

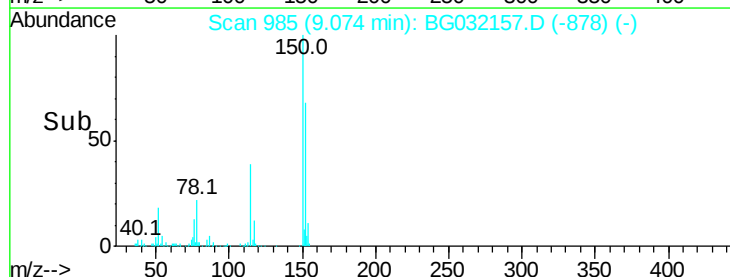
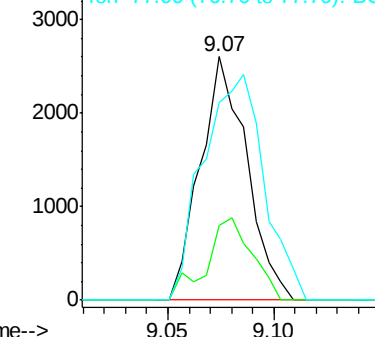
79 100

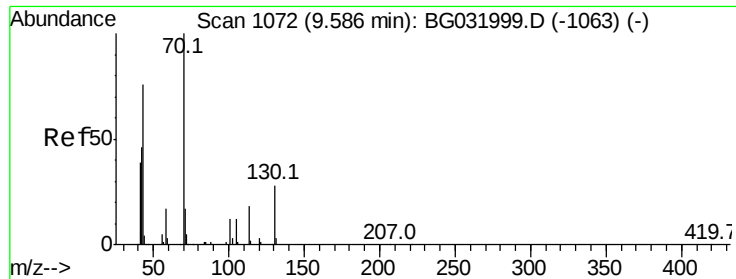
108 30.5 57.2 85.8#

77 81.4 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

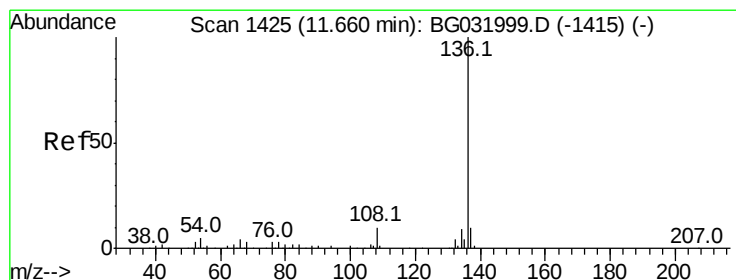
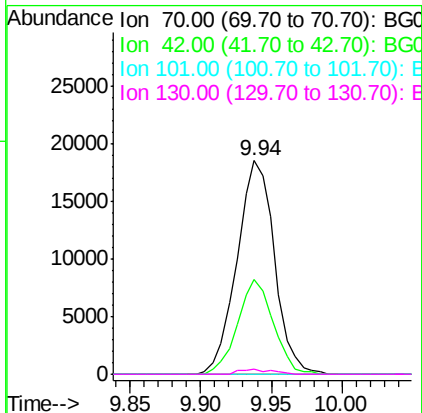
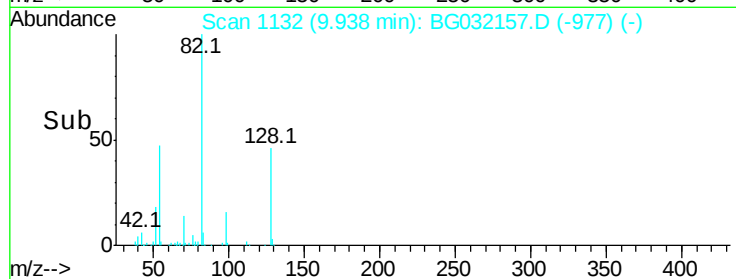
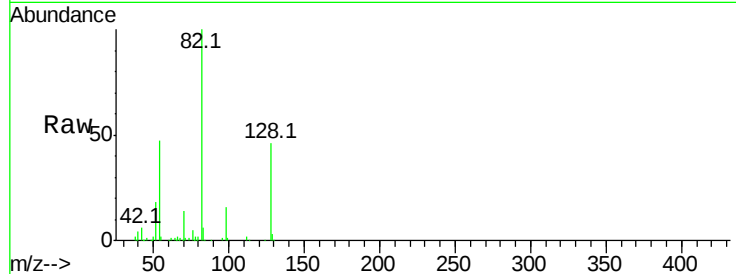




#19
n-Nitroso-di-n-propylamine
Concen: 20.395 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032157.D
Acq: 19 Jan 2018 18:29

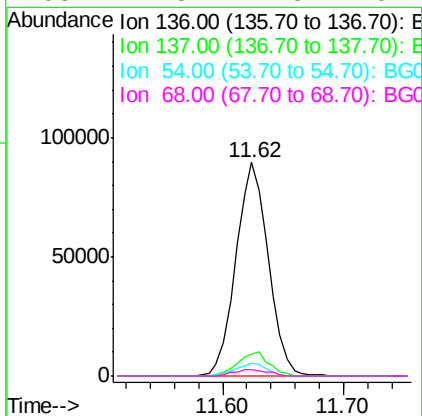
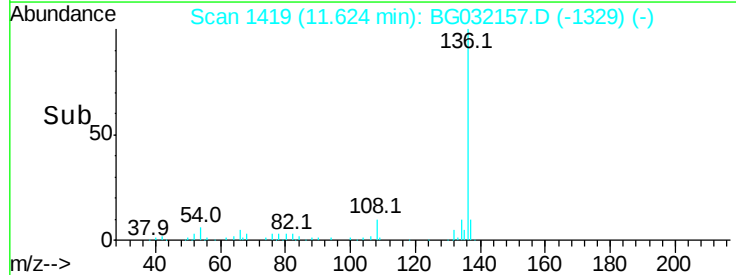
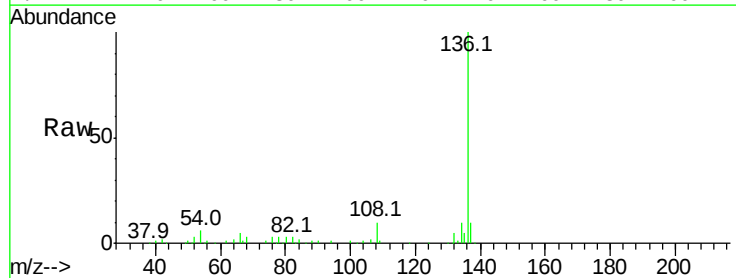
Instrument :
BNA_G
ClientSampleId :

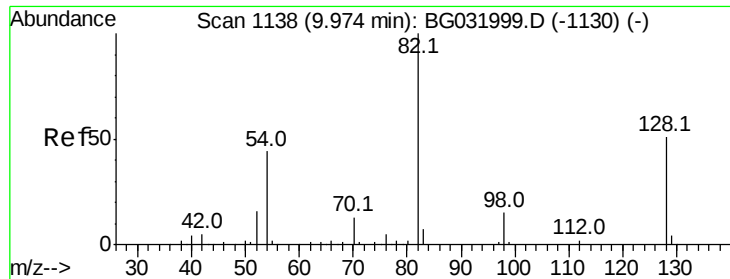
Tot Ion: 70 Resp: 34393
Ion Ratio Lower Upper
70 100
42 44.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032157.D
Acq: 19 Jan 2018 18:29

Tgt Ion: 136 Resp: 167123
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 5.7 10.3 15.5#
68 2.8 4.5 6.7#

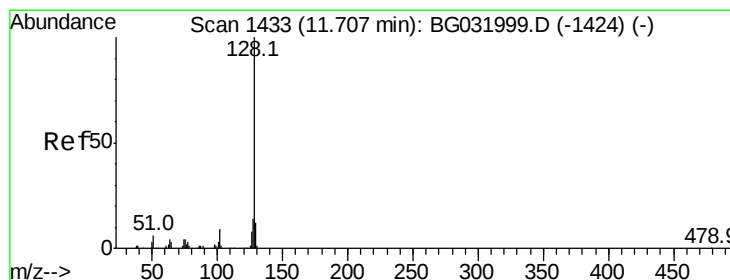
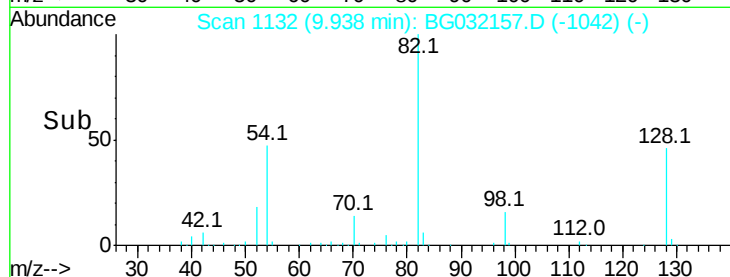
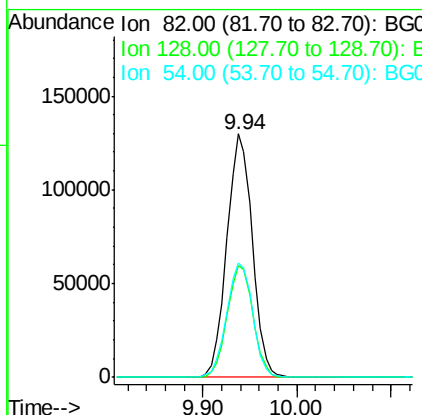
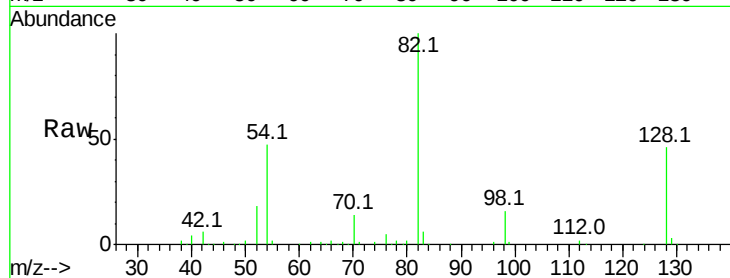




#23
 Nitrobenzene-d5
 Concen: 98.552 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

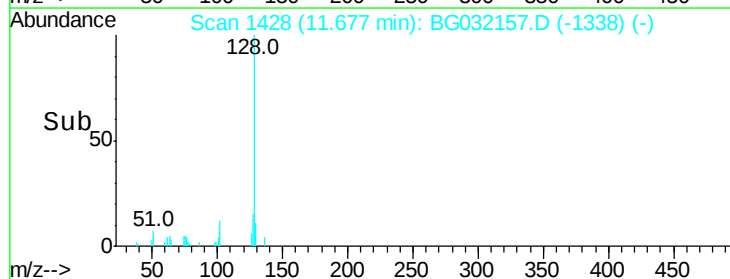
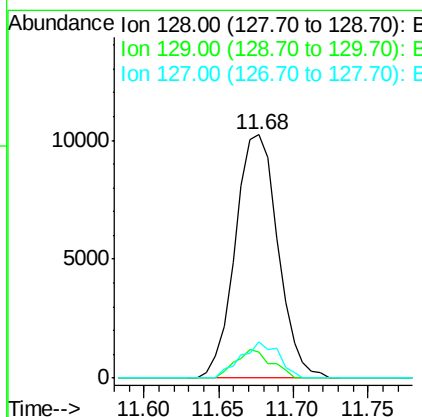
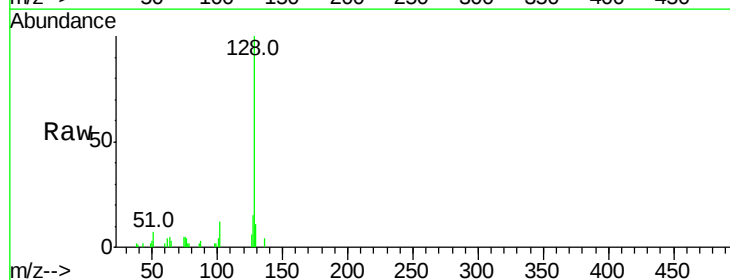
Instrument :
 BNA_G
 ClientSampleId :

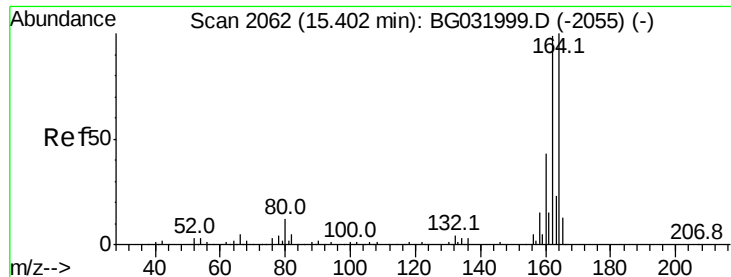
Tot Ion: 82 Resp: 243447
 Ion Ratio Lower Upper
 82 100
 128 45.7 29.7 44.5#
 54 46.8 43.1 64.7



#31
 Naphthalene
 Concen: 2.454 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

Tgt Ion:128 Resp: 20317
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 12.8
 127 15.1 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

Instrument :

BNA_G

ClientSampleId :

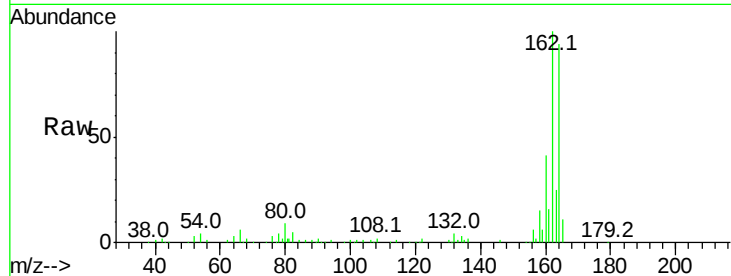
Tot Ion:164 Resp: 118366

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

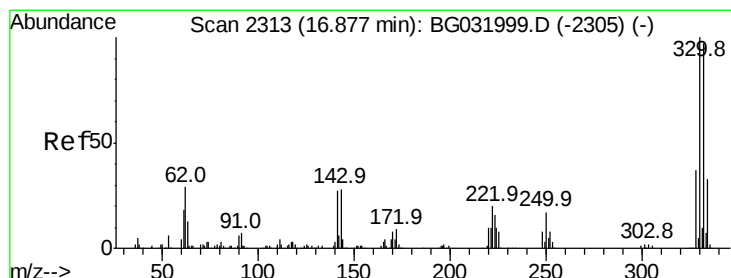
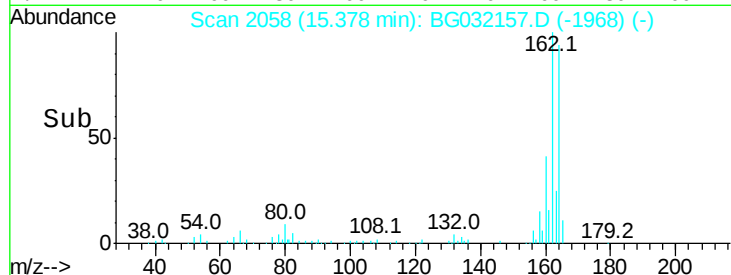
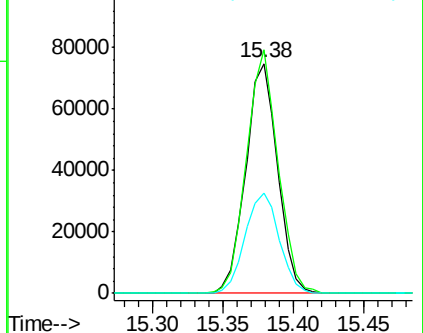
160 43.7 35.4 53.0



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: 153.434 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

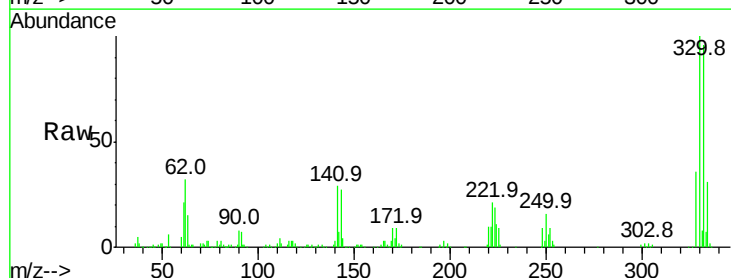
Tgt Ion:330 Resp: 300529

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

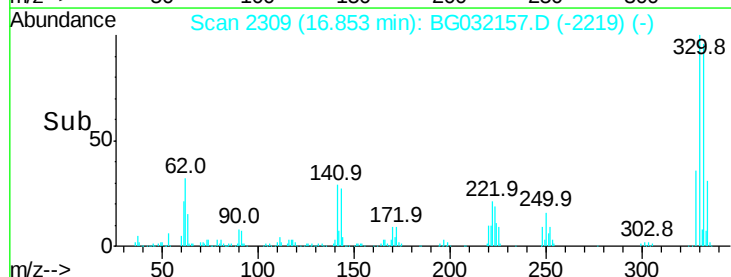
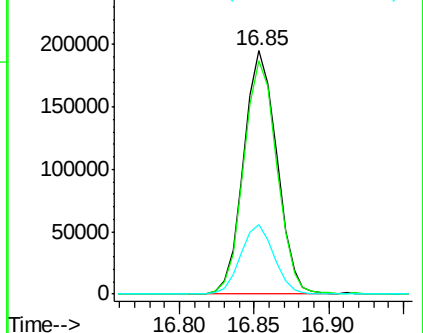
141 28.9 25.2 37.8

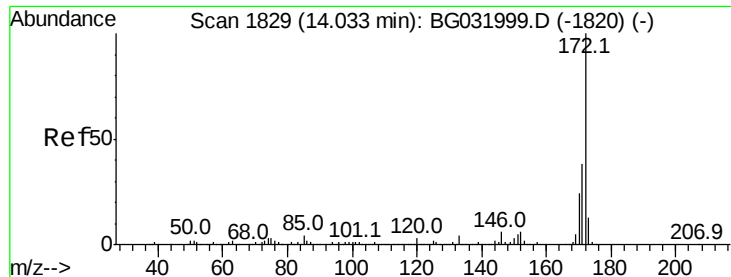


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



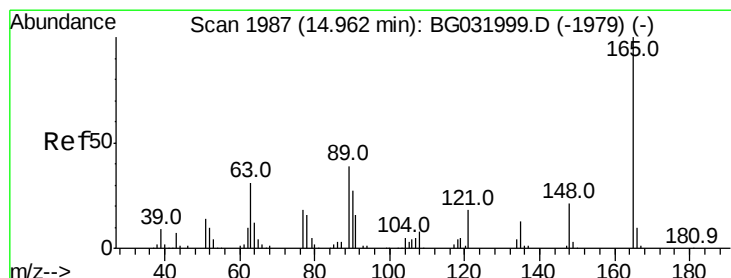
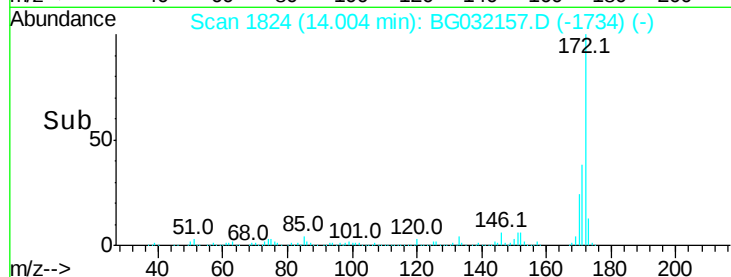
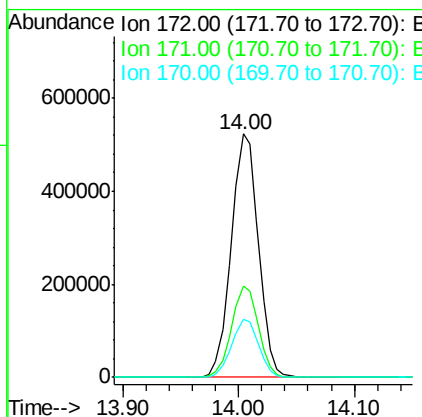
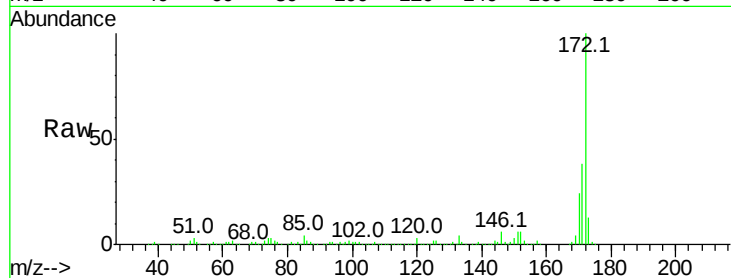


#44
 2-Fluorobiphenyl
 Concen: 89.025 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 849836

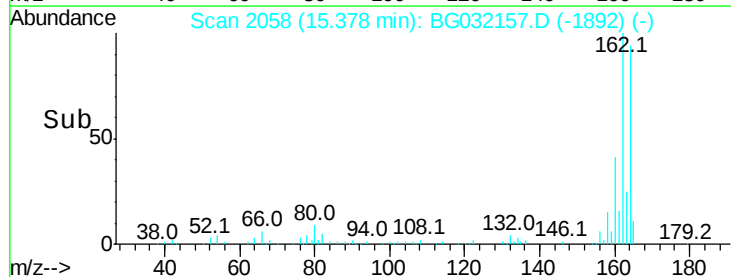
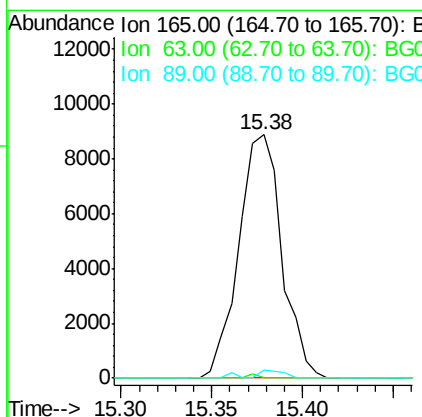
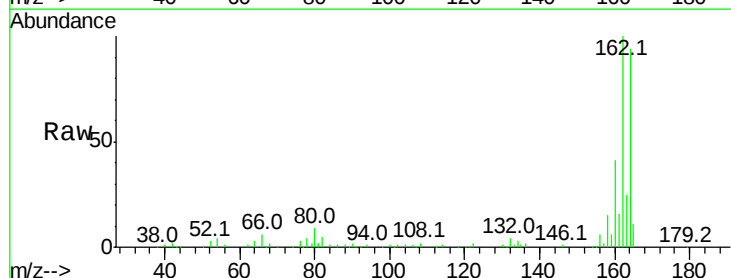
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	23.7	19.5	29.3

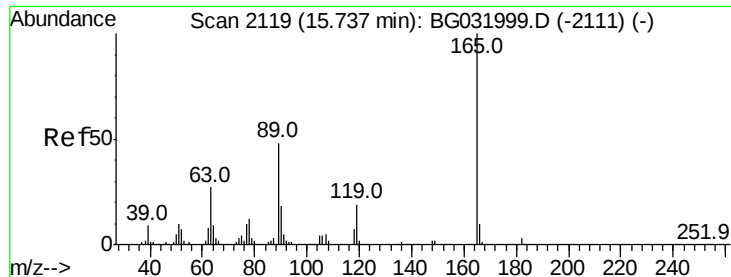


#50
 2,6-Dinitrotoluene
 Concen: 6.815 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.44 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

Tgt Ion:165 Resp: 14653

Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.4	49.2	73.8#

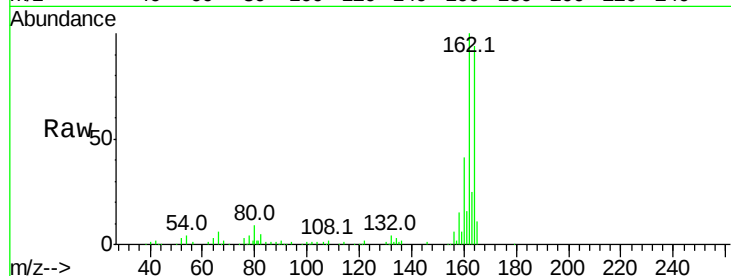




#56
 2,4-Dinitrotoluene
 Concen: 5.062 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.34 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

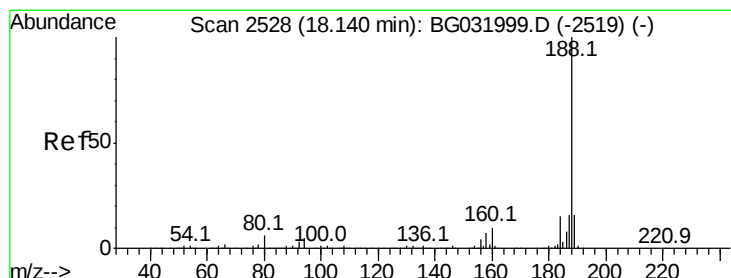
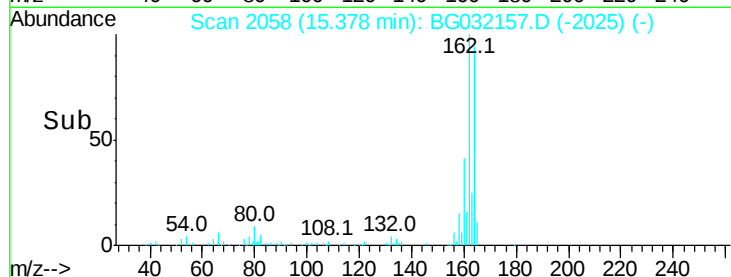
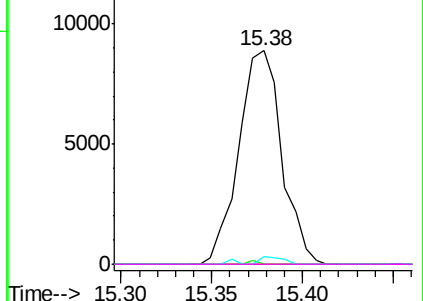
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14653
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.4 66.9 100.3#
 182 0.0 2.6 3.8#



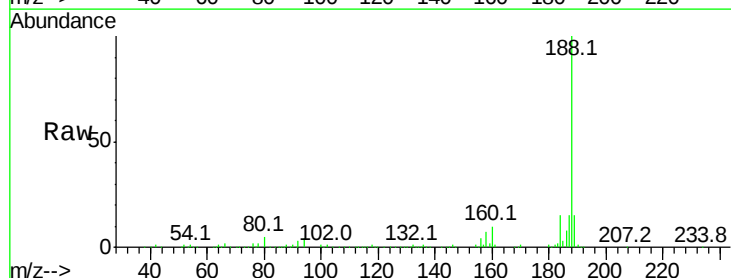
Abundance Ion 165.00 (164.70 to 165.70): E

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



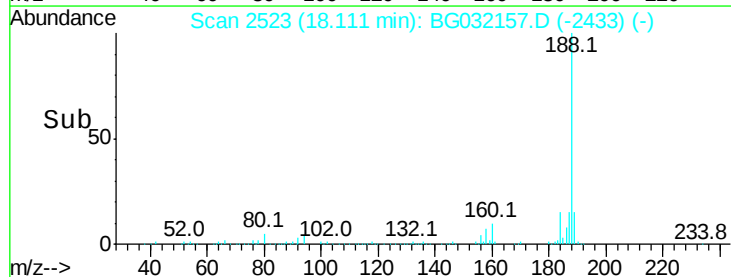
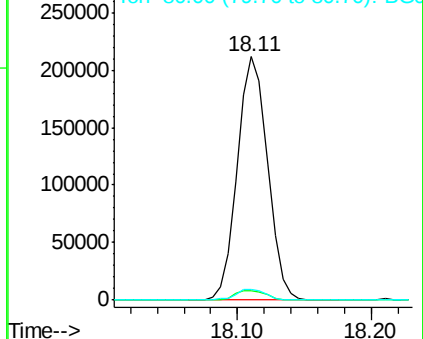
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032157.D
 Acq: 19 Jan 2018 18:29

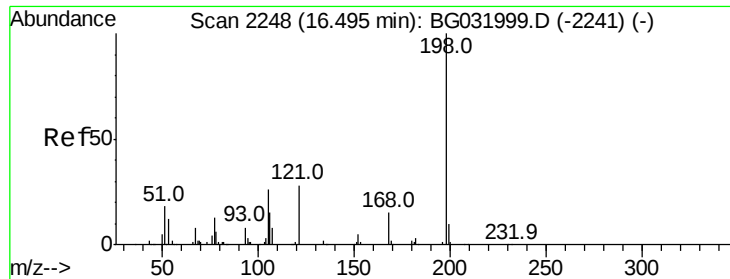
Tgt Ion:188 Resp: 331490
 Ion Ratio Lower Upper
 188 100
 94 4.0 6.9 10.3#
 80 4.5 7.7 11.5#



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: 5.245 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.37 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

Instrument :

BNA_G

ClientSampled :

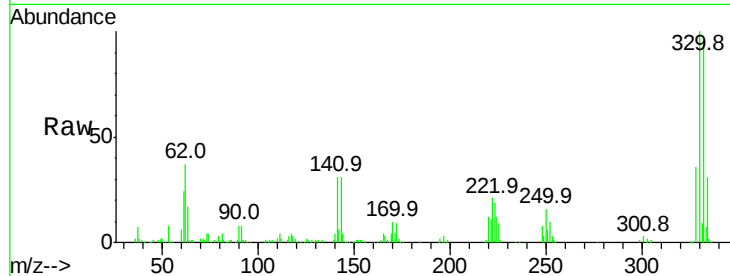
Tot Ion:198 Resp: 852

Ion Ratio Lower Upper

198 100

51 46.7 30.6 70.6

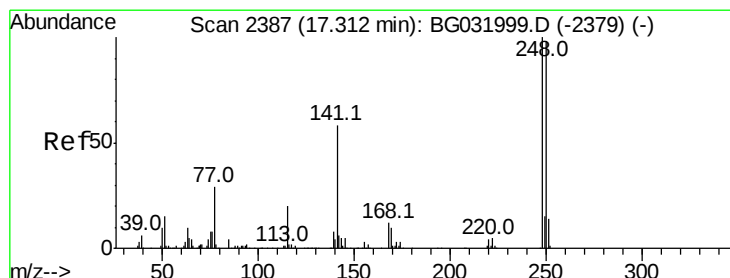
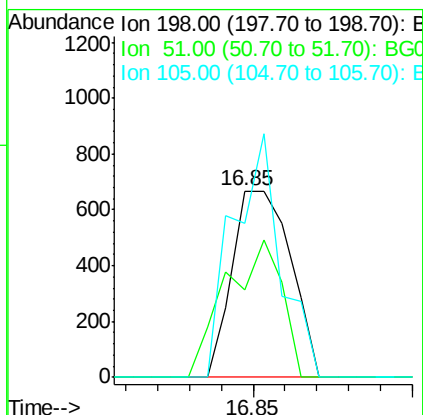
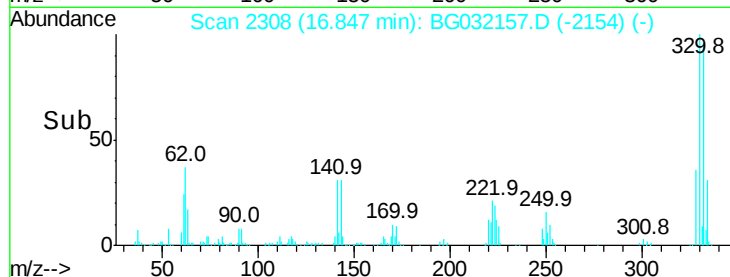
105 82.8 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.133 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.44 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

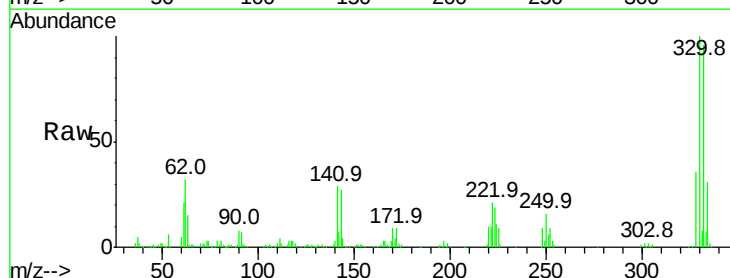
Tgt Ion:248 Resp: 24208

Ion Ratio Lower Upper

248 100

250 186.1 77.1 115.7#

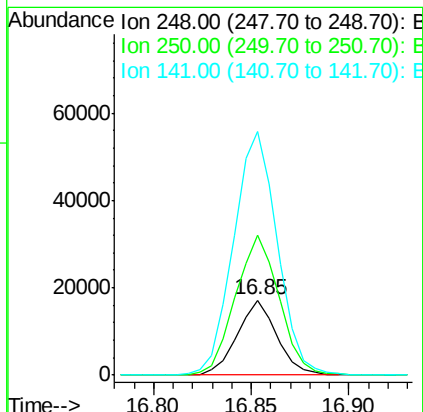
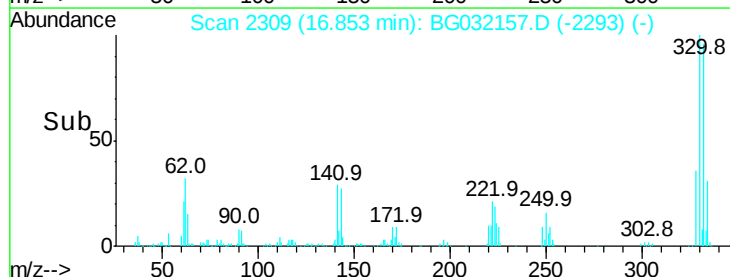
141 324.3 50.8 76.2#

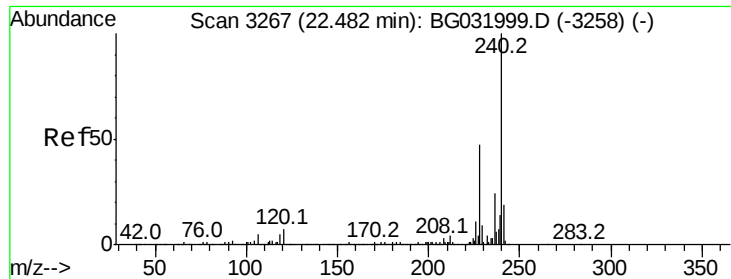


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032157.D

Acq: 19 Jan 2018 18:29

Instrument :

BNA_G

ClientSampleId :

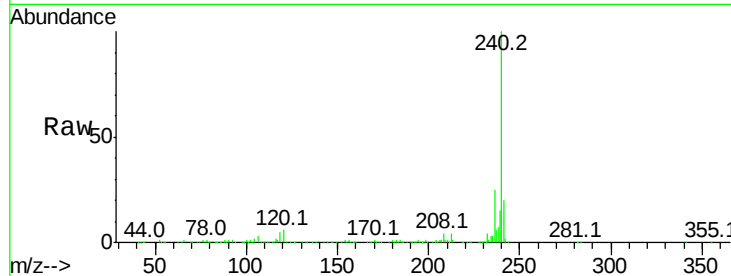
Tot Ion:240 Resp: 437639

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

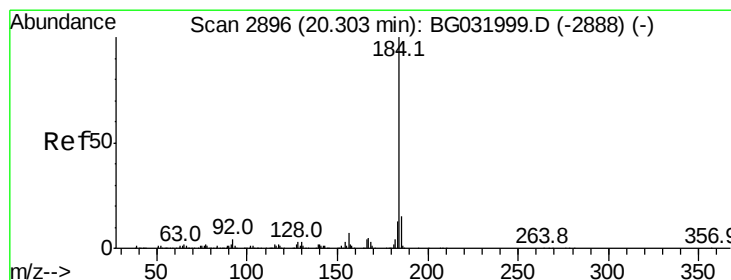
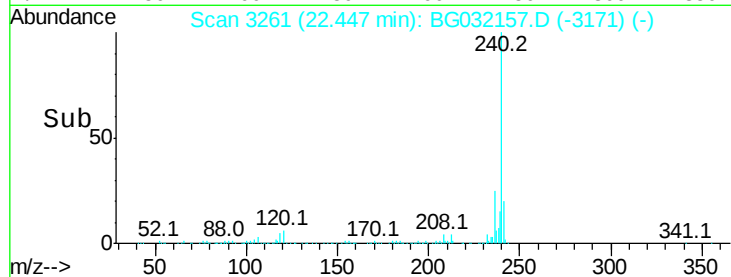
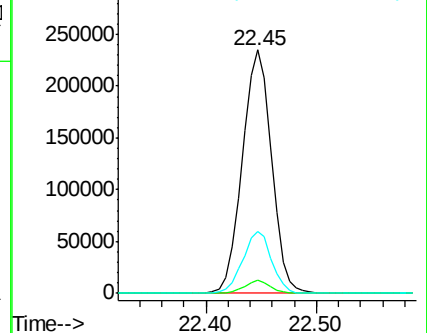
236 25.4 20.9 31.3



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: 2.252 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

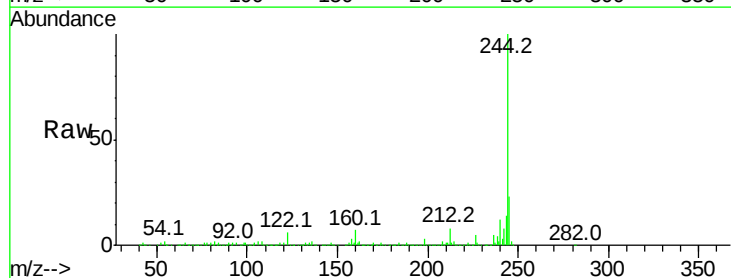
Tgt Ion:184 Resp: 24648

Ion Ratio Lower Upper

184 100

185 18.5 11.1 16.7#

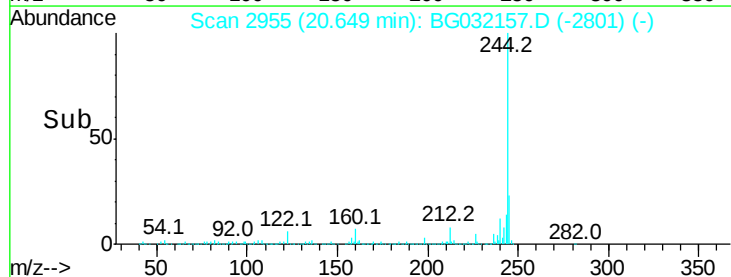
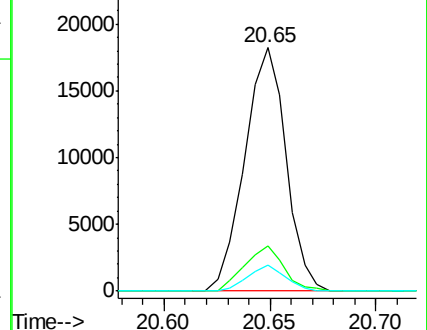
183 10.5 10.6 16.0#

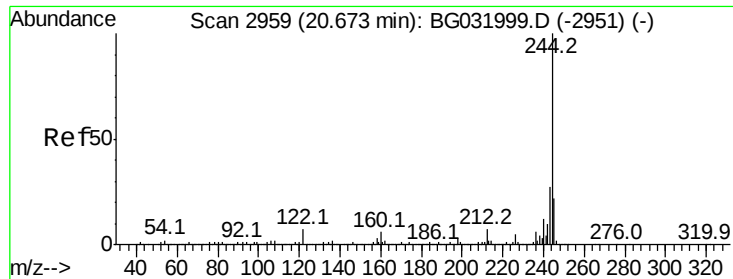


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.428 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

Instrument :

BNA_G

ClientSampleId :

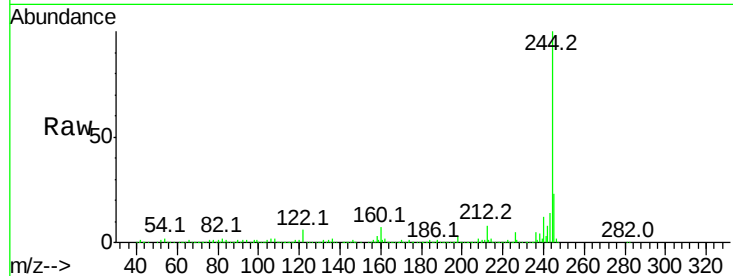
Tot Ion:244 Resp: 1812132

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

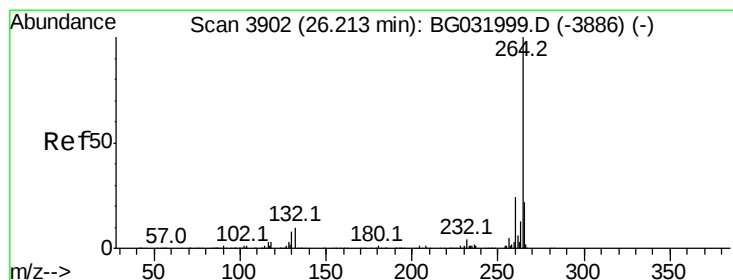
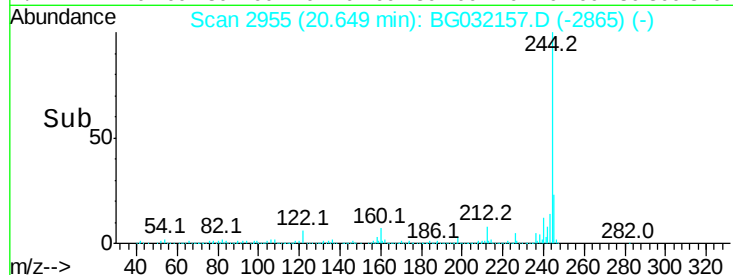
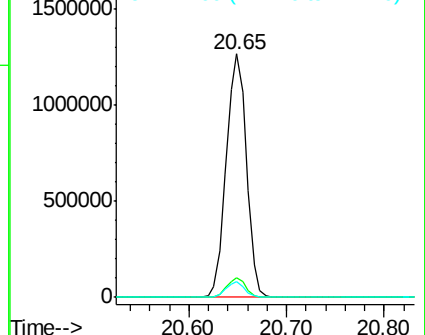
122 6.4 7.0 10.4#



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: 26.15 min Scan# 3891

Delta R.T. -0.00 min

Lab File: BG032157.D

Acq: 19 Jan 2018 18:29

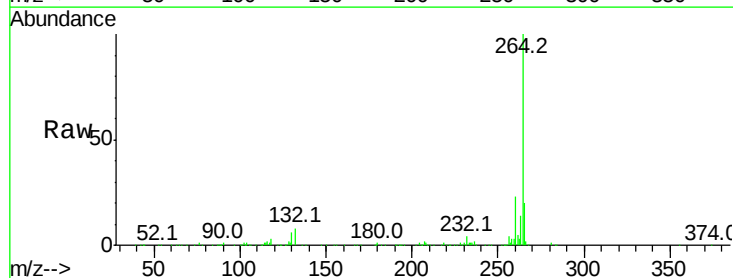
Tgt Ion:264 Resp: 445412

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 20.4 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

