

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032289.D
 Acq On : 25 Jan 2018 9:32
 Operator : SJ/JU
 Sample : J1255-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 10:07:52 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	38728	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	147253	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	104053	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	287129	20.00	ng	0.00
75) Chrysene-d12	22.42	240	371360	20.00	ng	0.00
86) Perylene-d12	26.10	264	394426	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	284736	134.47	ng	0.00
7) Phenol-d6	7.84	99	327918	122.96	ng	0.00
23) Nitrobenzene-d5	9.92	82	242629	111.47	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	292942	170.13	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	846924	100.92	ng	0.00
78) Terphenyl-d14	20.63	244	1707422	101.52	ng	0.00

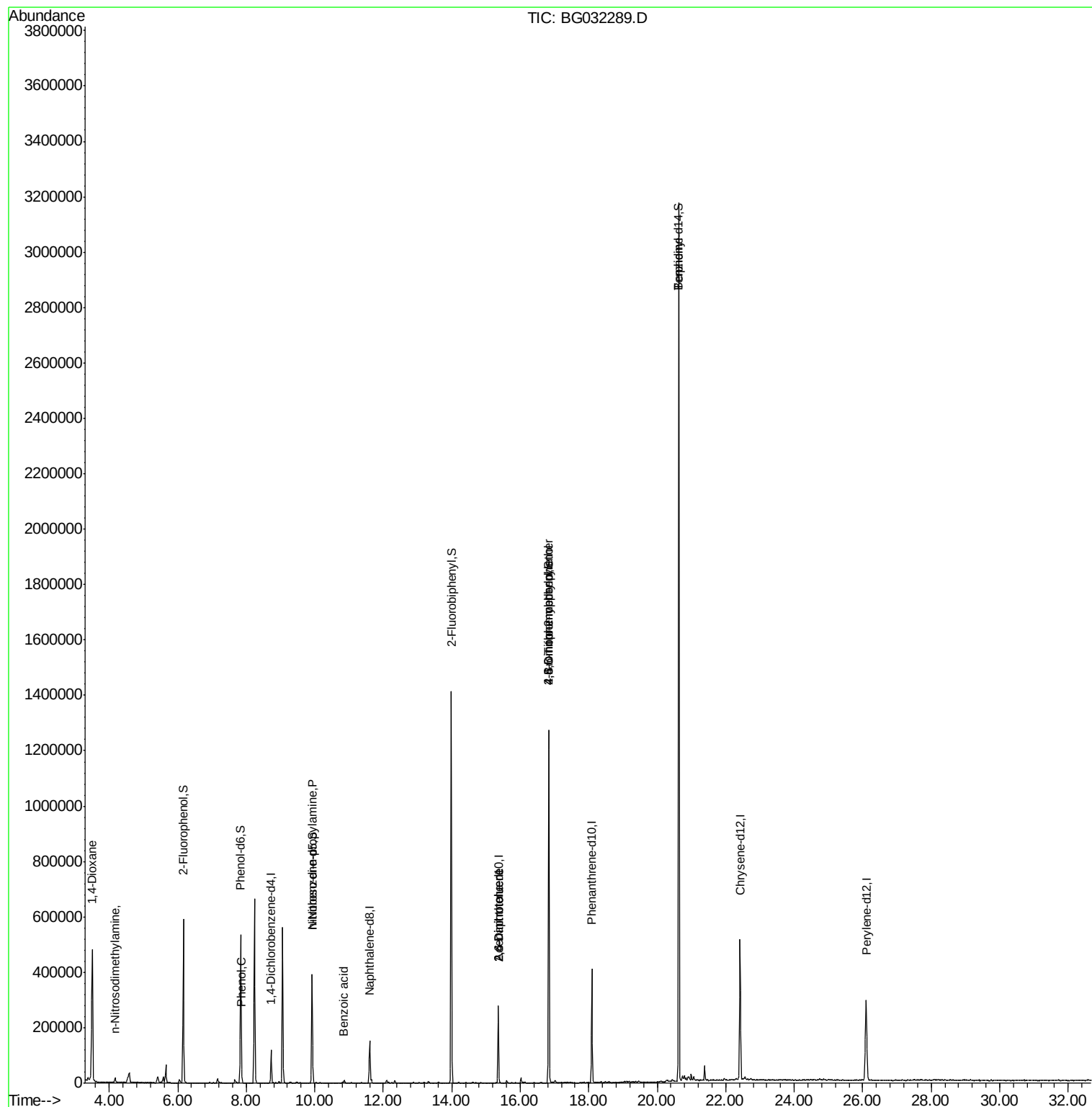
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	5791	7.119	ng	# 1
4) n-Nitrosodimethylamine	4.16	42	2487	3.260	ng	# 4
10) Phenol	7.86	94	5389	2.051	ng	# 60
19) n-Nitroso-di-n-propylamine	9.92	70	34205	20.672	ng	# 76
32) Benzoic acid	10.85	122	715	5.645	ng	# 24
50) 2,6-Dinitrotoluene	15.36	165	13694	7.246	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	13694	5.382	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	795	5.273	ng	# 1
66) 4-Bromophenyl-phenylether	16.83	248	24655	6.035	ng	# 1
76) Benzidine	20.63	184	25447	2.740	ng	# 93

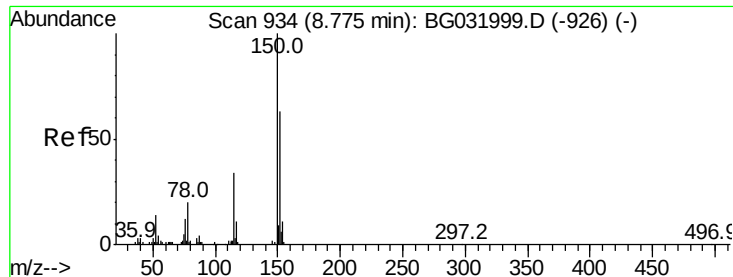
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampleId :

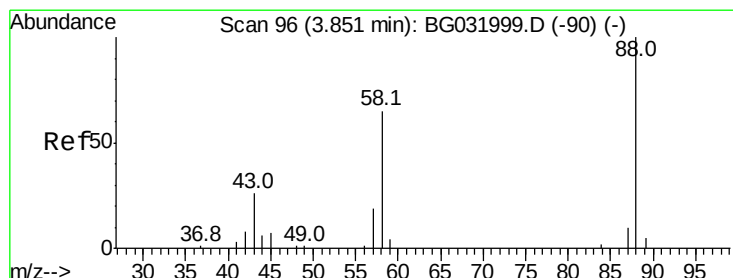
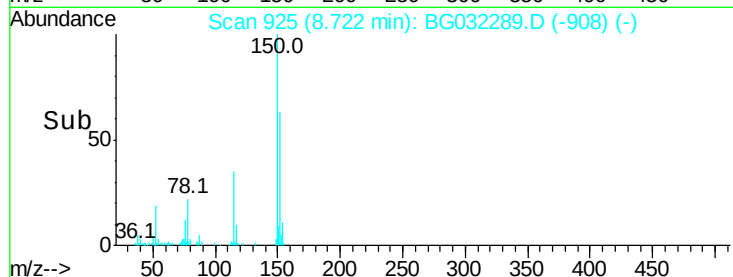
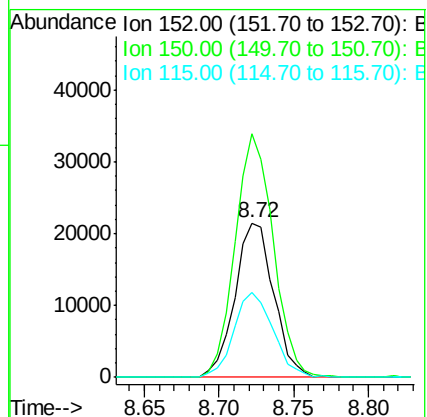
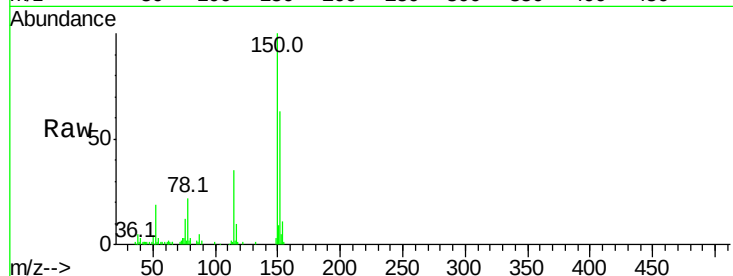
Tot Ion:152 Resp: 38728

Ion Ratio Lower Upper

152 100

150 157.6 126.6 189.8

115 55.0 53.0 79.4



#2

1,4-Dioxane

Concen: 7.119 ng

RT: 3.50 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

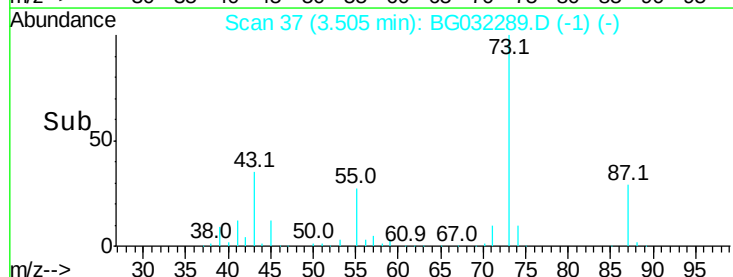
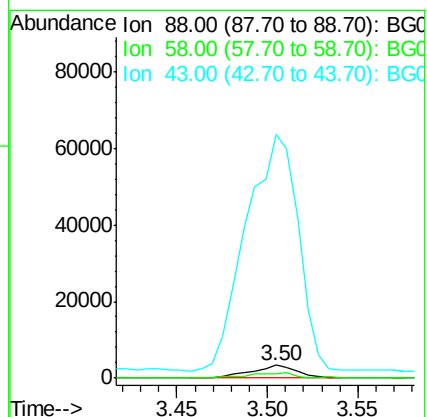
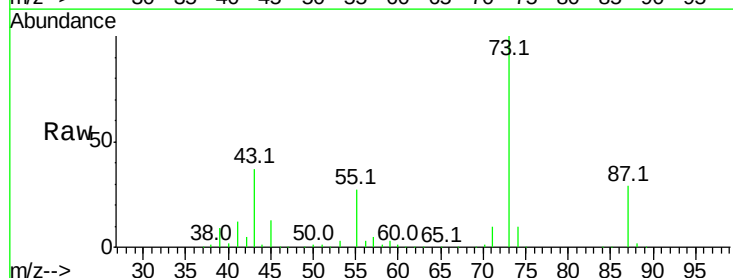
Tgt Ion: 88 Resp: 5791

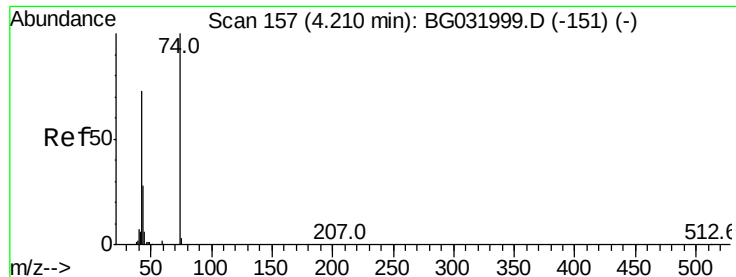
Ion Ratio Lower Upper

88 100

58 41.2 79.6 119.4#

43 2143.5 27.4 41.0#





#4

n-Nitrosodimethylamine

Concen: 3.260 ng

RT: 4.16 min Scan# 149

Delta R.T. -0.02 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampleId :

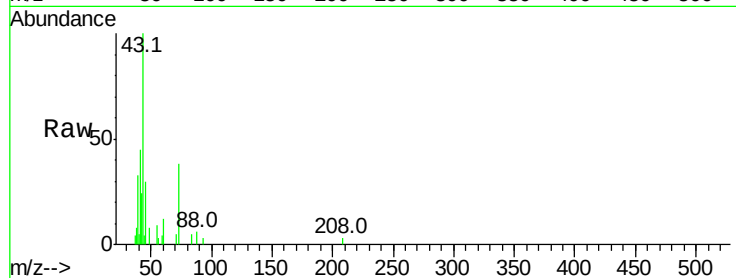
Tot Ion: 42 Resp: 2487

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

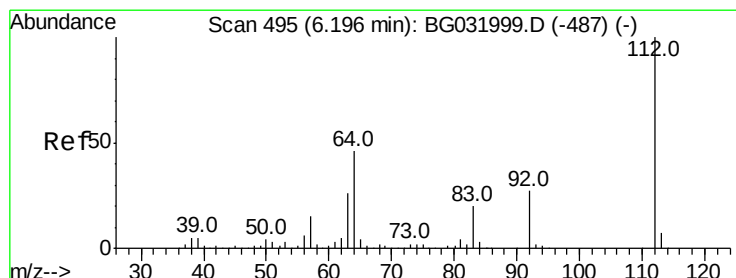
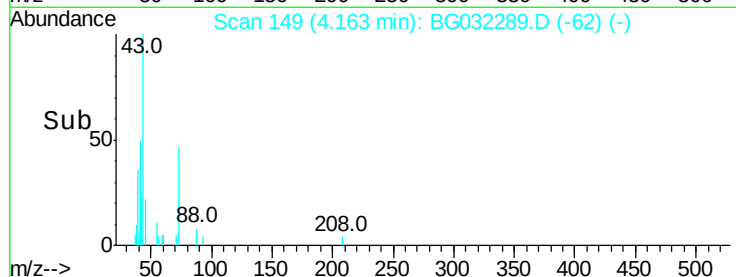
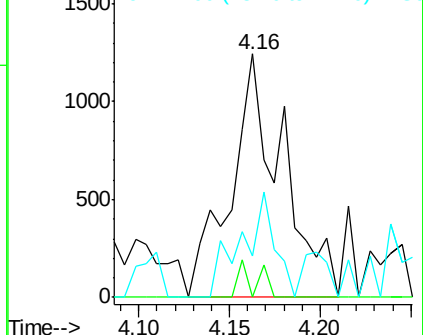
44 17.0 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 134.467 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

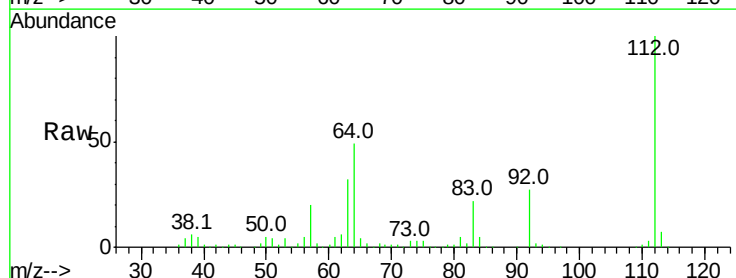
Tgt Ion: 112 Resp: 284736

Ion Ratio Lower Upper

112 100

64 49.1 56.3 84.5#

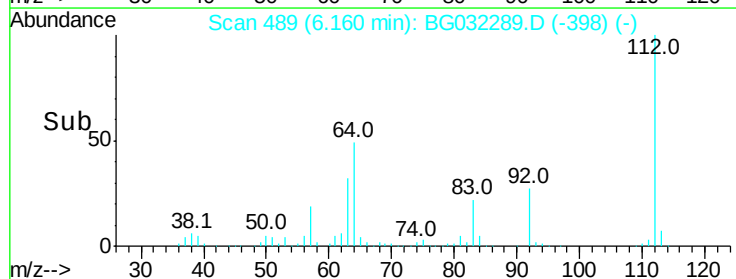
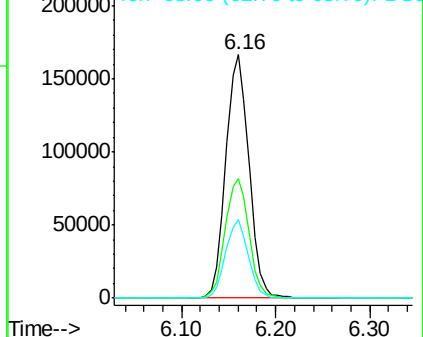
63 32.5 30.1 45.1

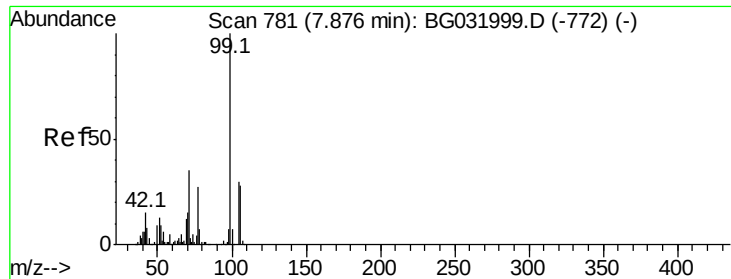


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.959 ng

RT: 7.84 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampleId :

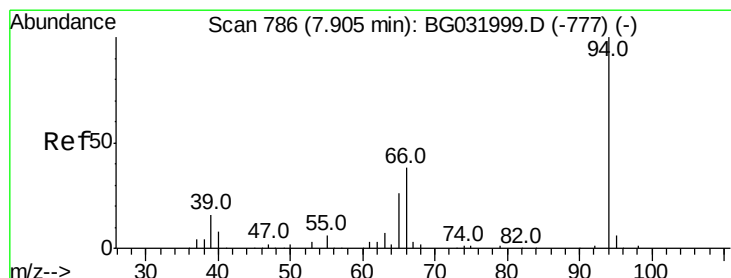
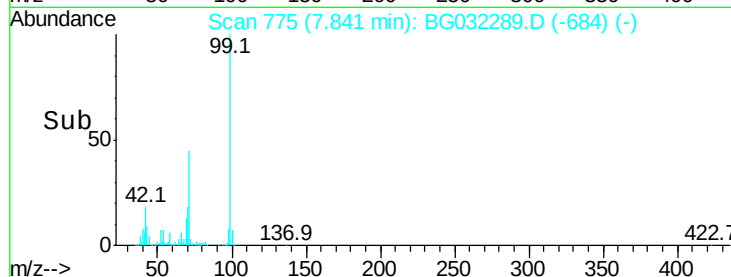
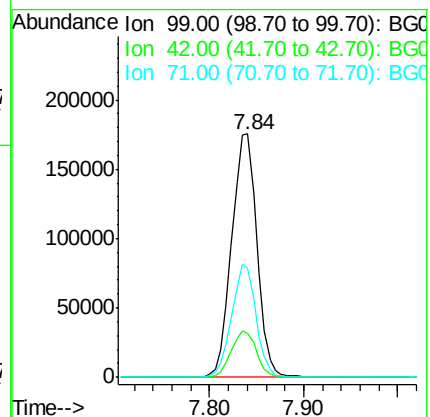
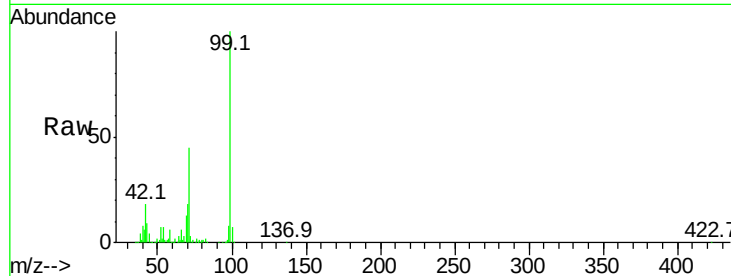
Tot Ion: 99 Resp: 327918

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

71 44.8 26.1 39.1#



#10

Phenol

Concen: 2.051 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

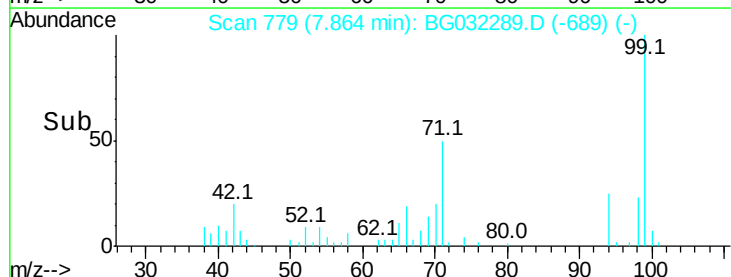
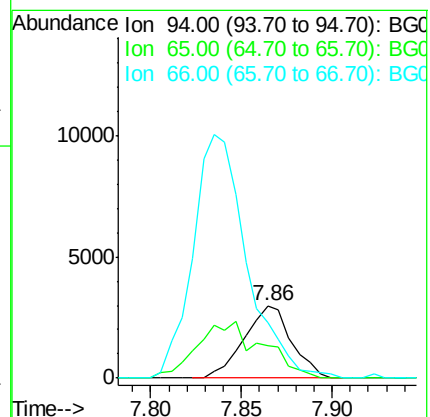
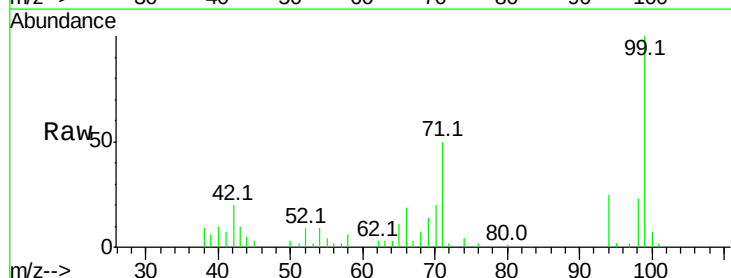
Tgt Ion: 94 Resp: 5389

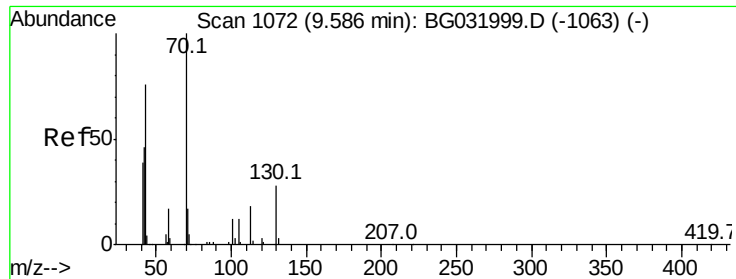
Ion Ratio Lower Upper

94 100

65 44.0 11.9 51.9

66 76.4 22.2 62.2#

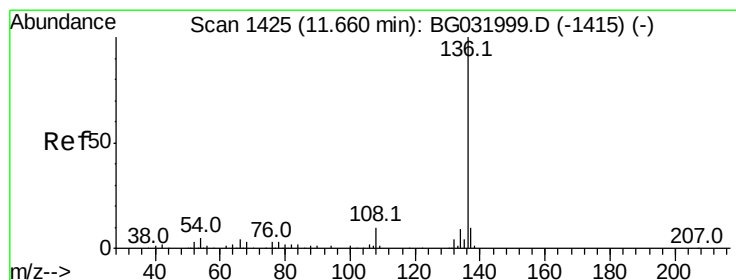
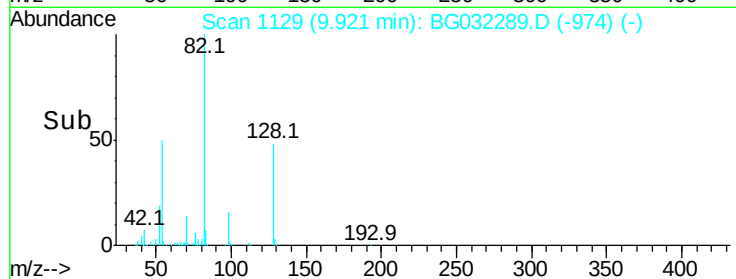
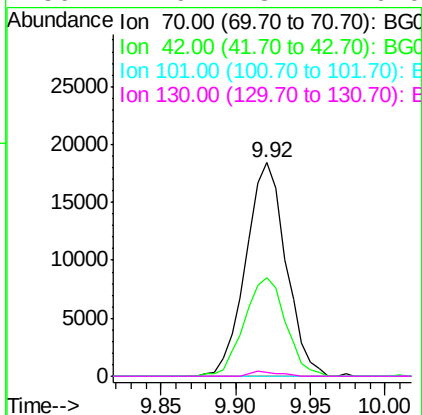
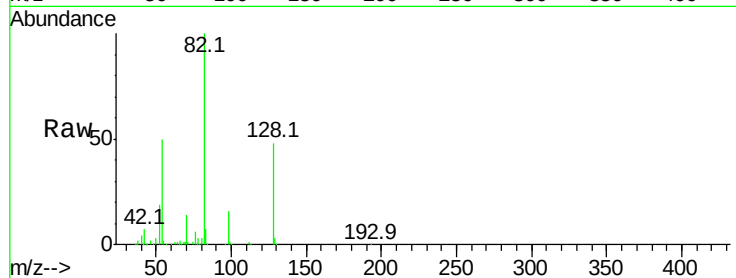




#19
n-Nitroso-di-n-propylamine
Concen: 20.672 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.38 min
Lab File: BG032289.D
Acq: 25 Jan 2018 9:32

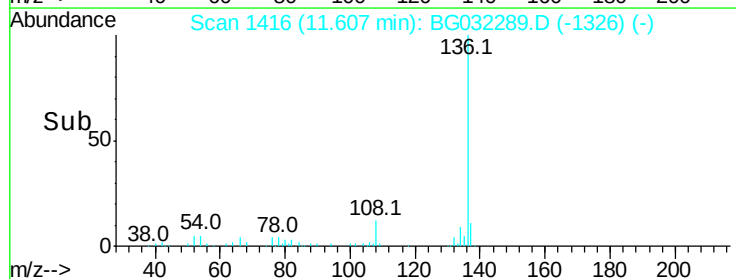
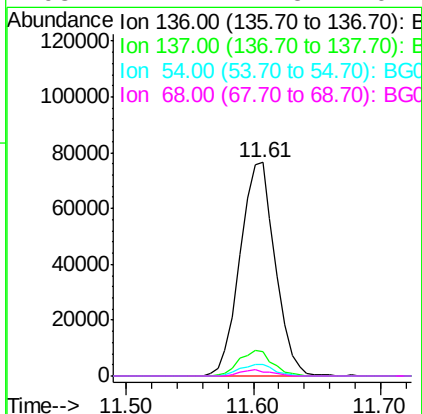
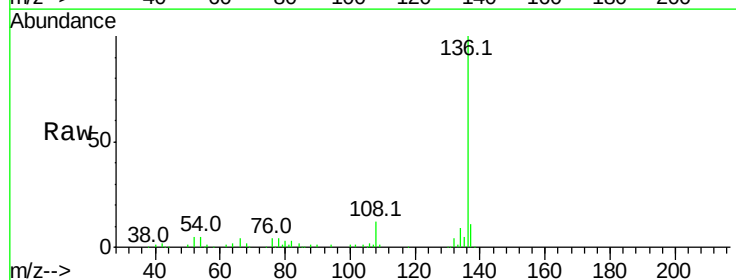
Instrument :
BNA_G
ClientSampleId :

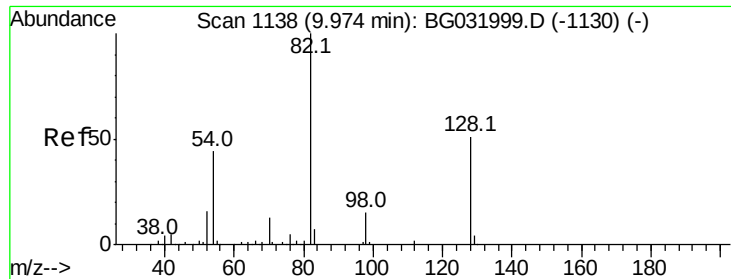
Tot Ion: 70 Resp: 34205
Ion Ratio Lower Upper
70 100
42 45.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032289.D
Acq: 25 Jan 2018 9:32

Tgt Ion: 136 Resp: 147253
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 5.2 10.3 15.5#
68 2.1 4.5 6.7#

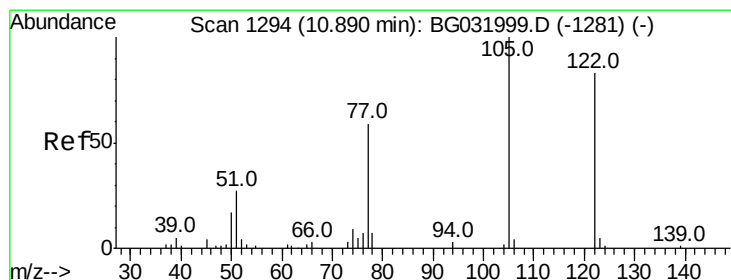
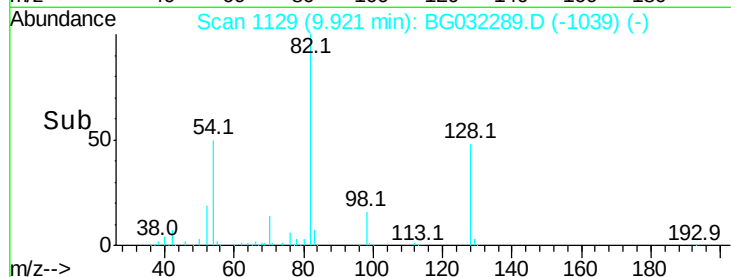
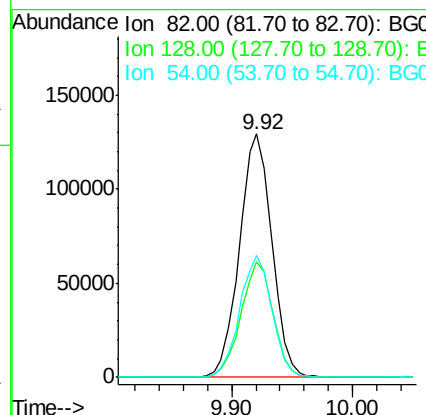
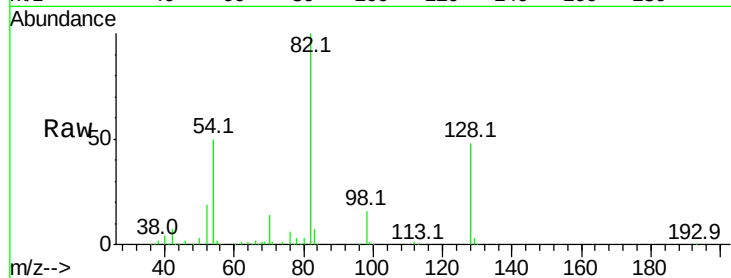




#23
 Nitrobenzene-d5
 Concen: 111.474 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

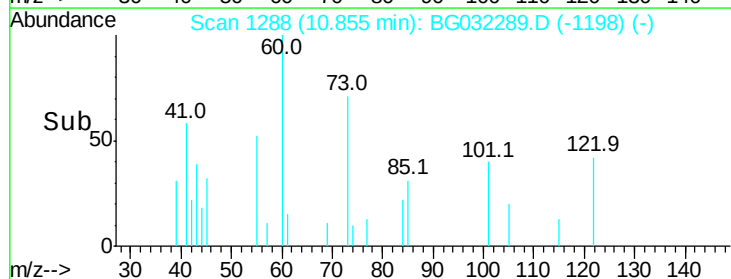
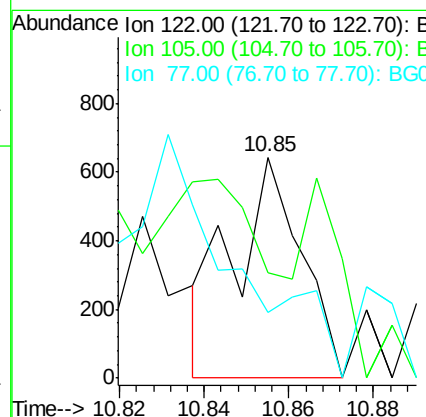
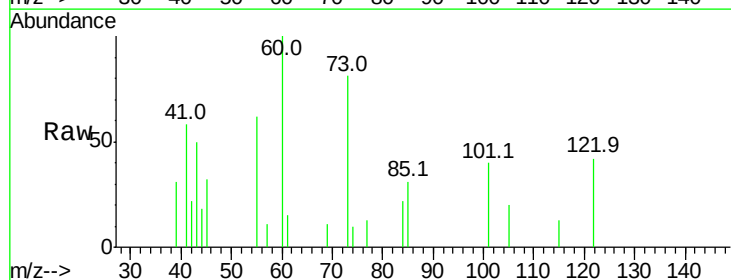
Instrument :
 BNA_G
 ClientSampleId :

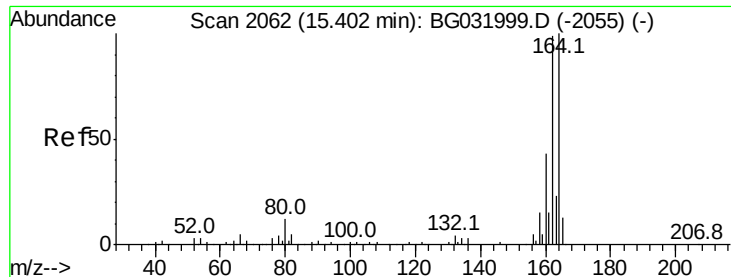
Tot Ion: 82 Resp: 242629
 Ion Ratio Lower Upper
 82 100
 128 47.5 29.7 44.5#
 54 50.2 43.1 64.7



#32
 Benzoic acid
 Concen: 5.645 ng
 RT: 10.85 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

Tgt Ion: 122 Resp: 715
 Ion Ratio Lower Upper
 122 100
 105 47.6 123.5 163.5#
 77 29.9 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampleId :

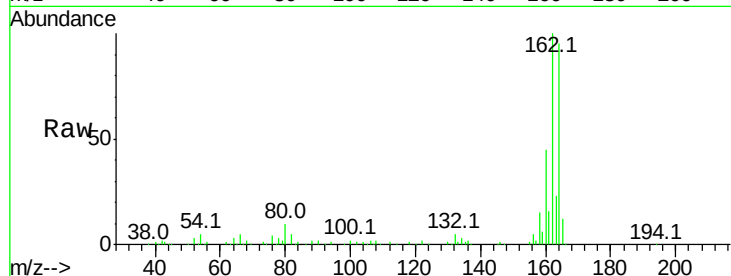
Tot Ion:164 Resp: 104053

Ion Ratio Lower Upper

164 100

162 105.5 78.8 118.2

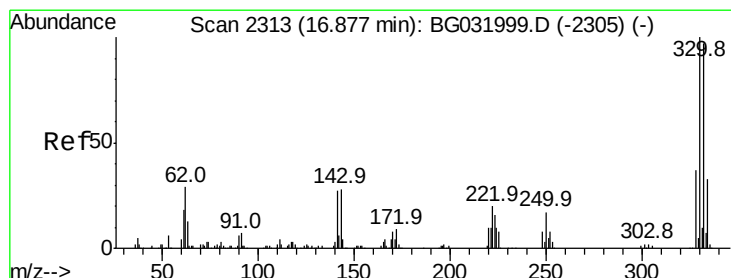
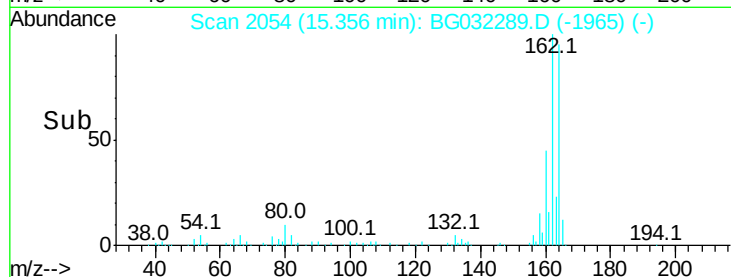
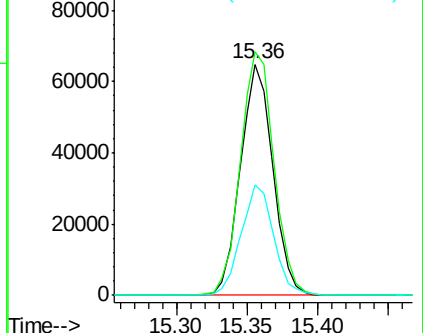
160 47.8 35.4 53.0



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: 170.134 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

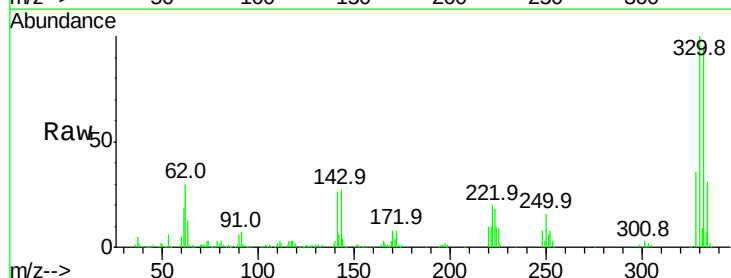
Tgt Ion:330 Resp: 292942

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

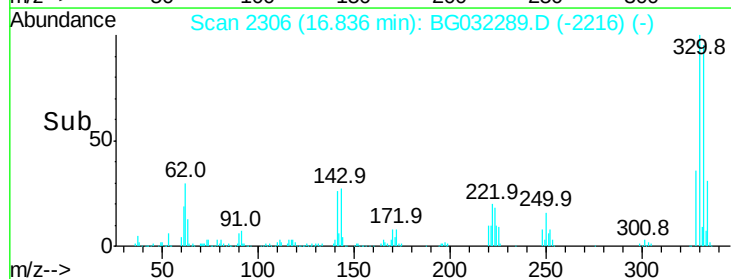
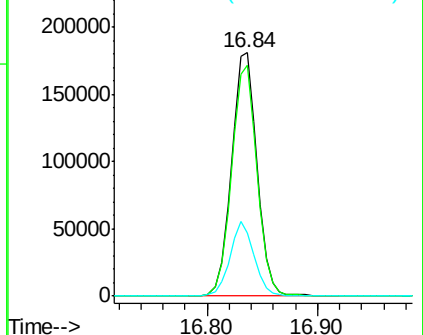
141 28.9 25.2 37.8

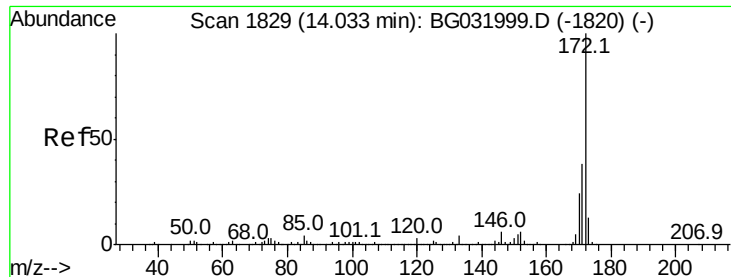


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

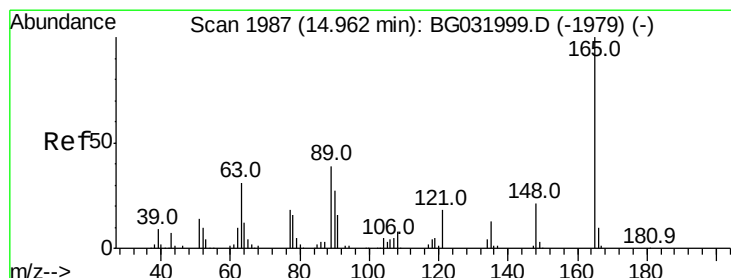
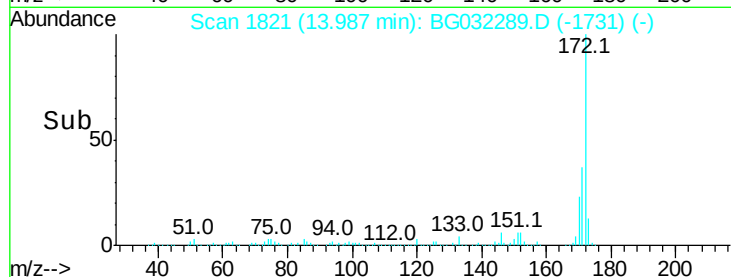
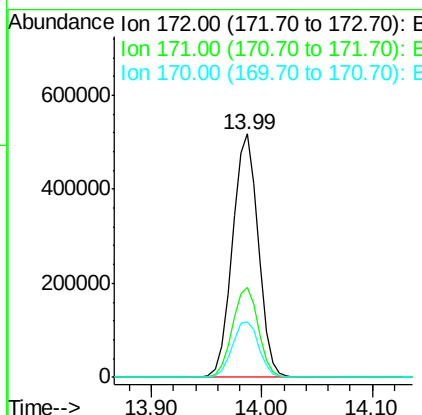
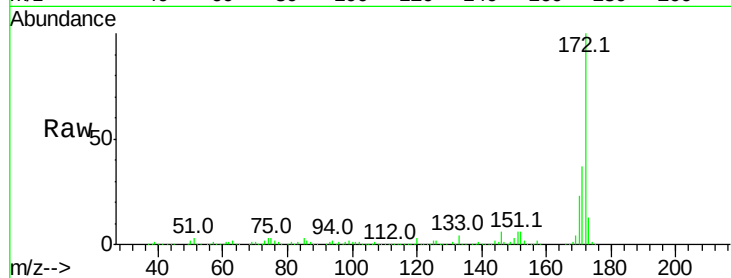




#44
 2-Fluorobiphenyl
 Concen: 100.924 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

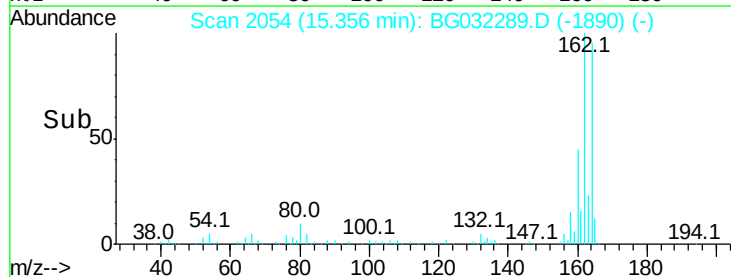
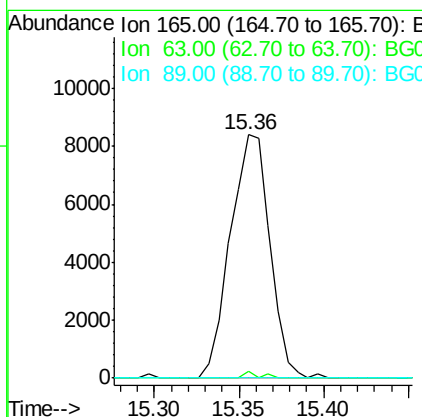
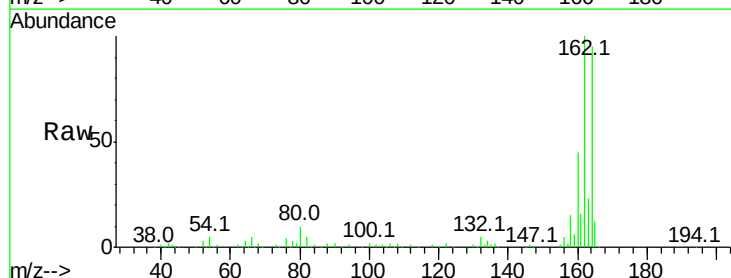
Instrument :
 BNA_G
 ClientSampleId :

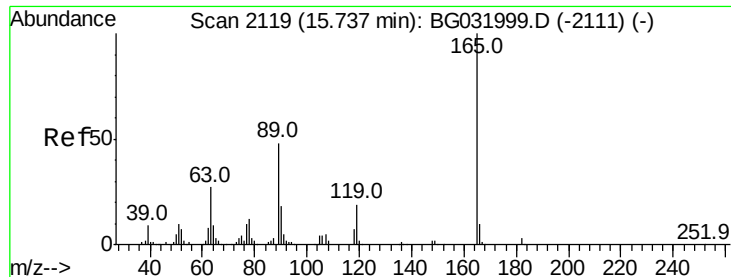
Tot Ion:172 Resp: 846924
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.0 45.0
 170 23.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.246 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

Tgt Ion:165 Resp: 13694
 Ion Ratio Lower Upper
 165 100
 63 2.6 52.7 79.1#
 89 0.0 49.2 73.8#

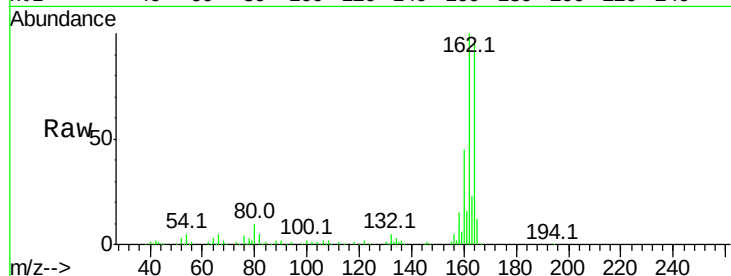




#56
 2,4-Dinitrotoluene
 Concen: 5.382 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

Instrument :
 BNA_G
 ClientSampleId :

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

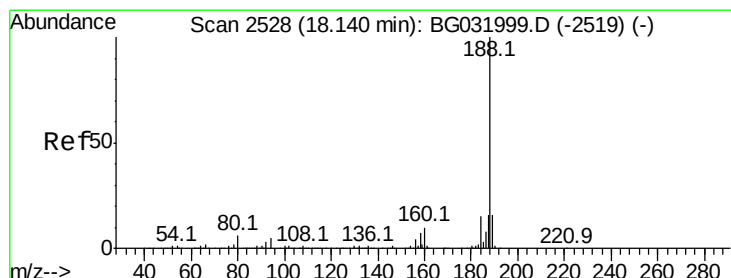
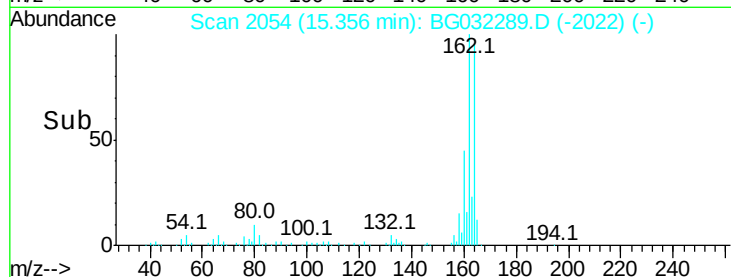
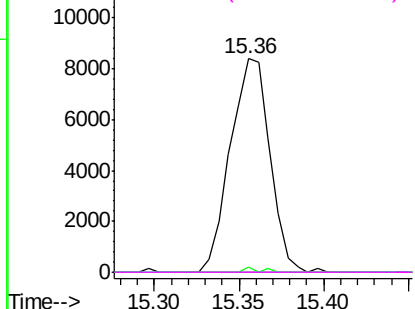


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

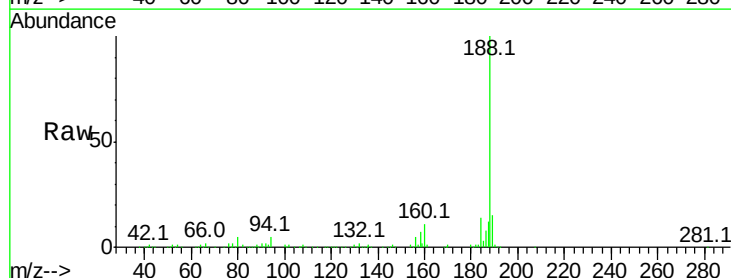
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

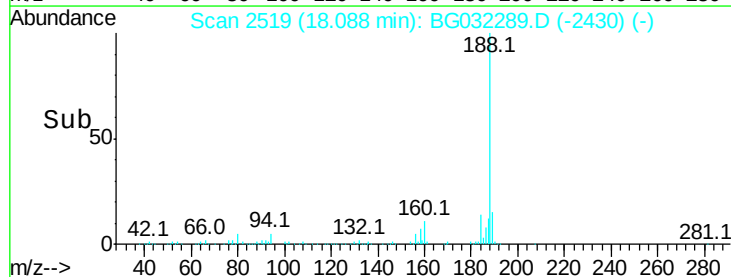
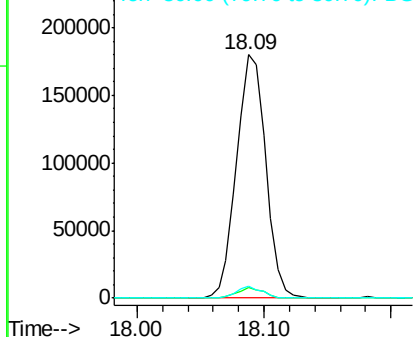
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.6	7.7	11.5#

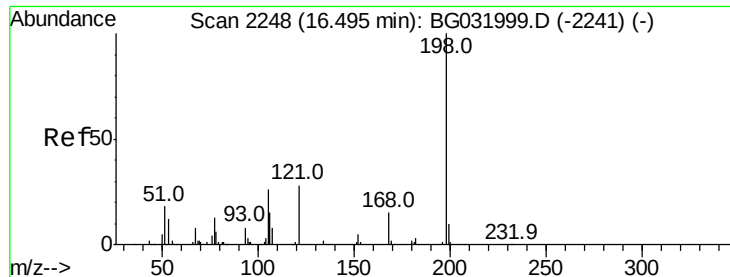


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

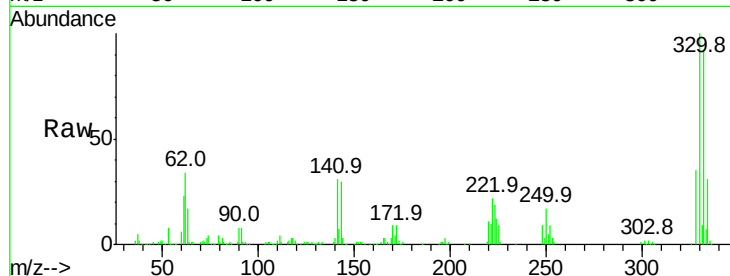




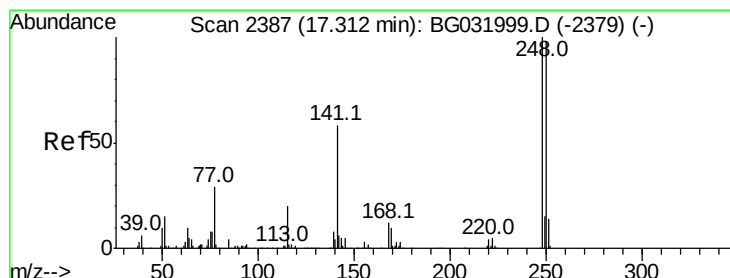
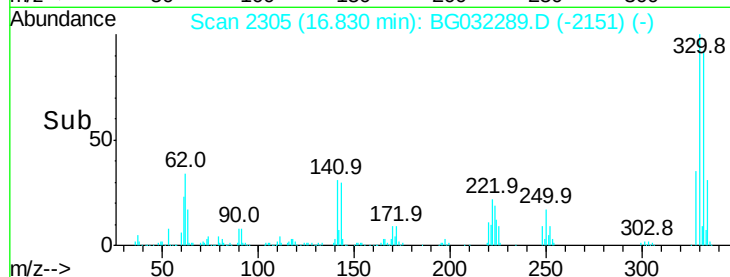
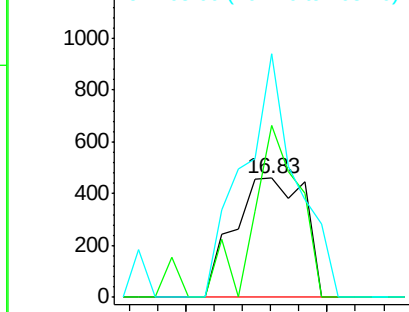
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.273 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 795
 Ion Ratio Lower Upper
 198 100
 51 144.8 30.6 70.6#
 105 204.3 23.8 63.8#

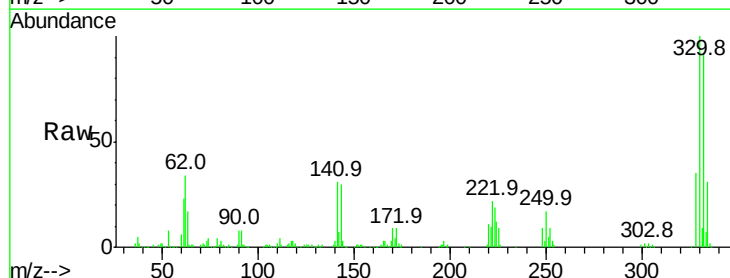


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

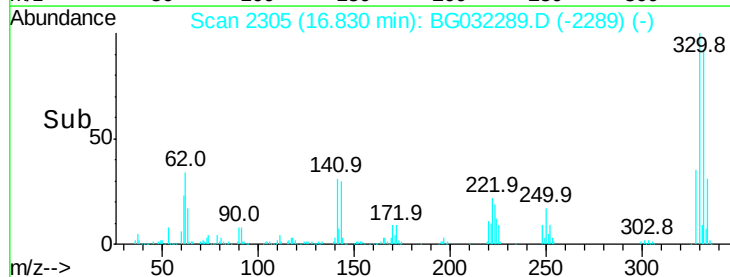
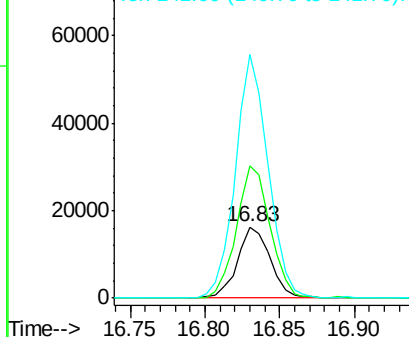


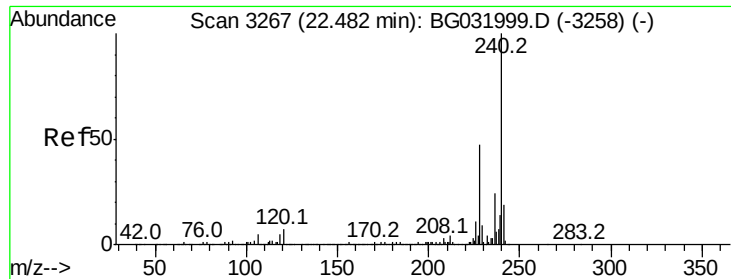
#66
 4-Bromophenyl-phenylether
 Concen: 6.035 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.44 min
 Lab File: BG032289.D
 Acq: 25 Jan 2018 9:32

Tgt Ion:248 Resp: 24655
 Ion Ratio Lower Upper
 248 100
 250 185.0 77.1 115.7#
 141 341.8 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# 3256

Delta R.T. -0.01 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampled :

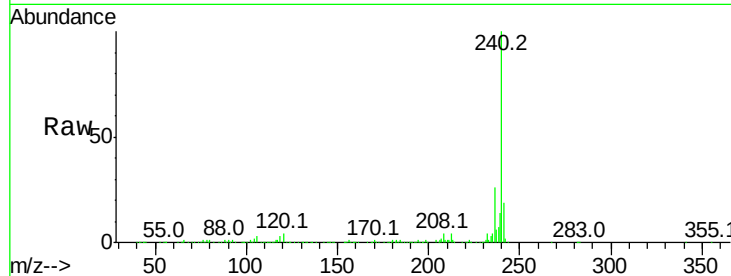
Tot Ion:240 Resp: 371360

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

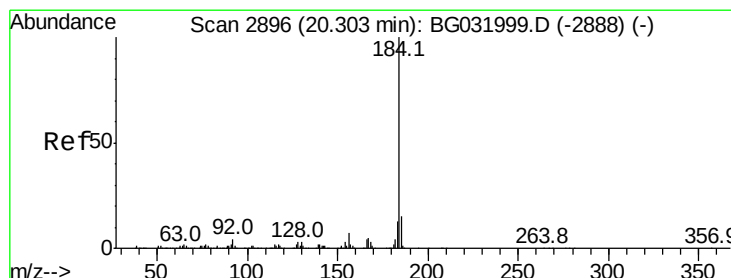
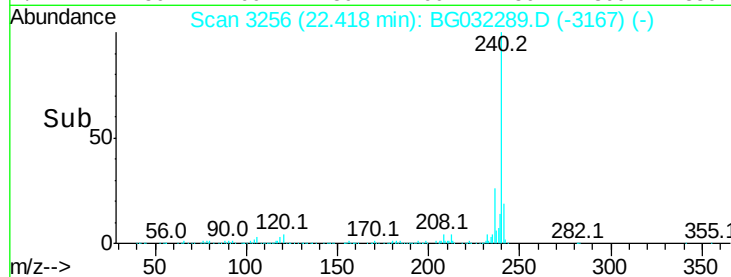
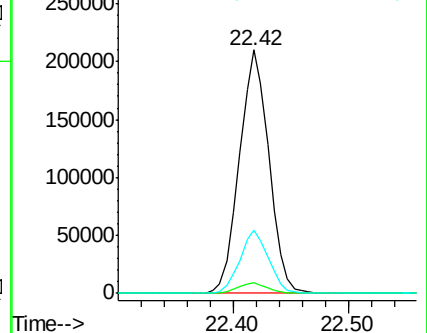
236 25.7 20.9 31.3



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: 2.740 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.37 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

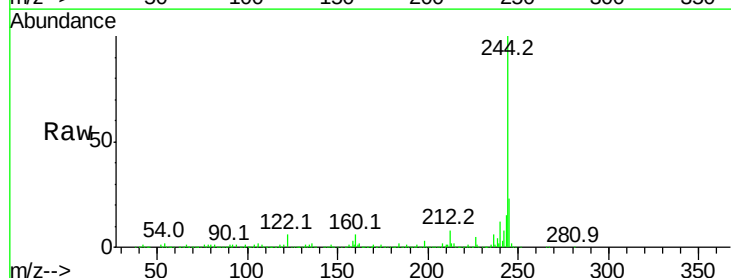
Tgt Ion:184 Resp: 25447

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

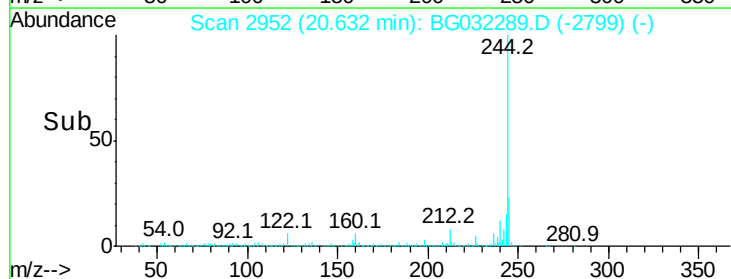
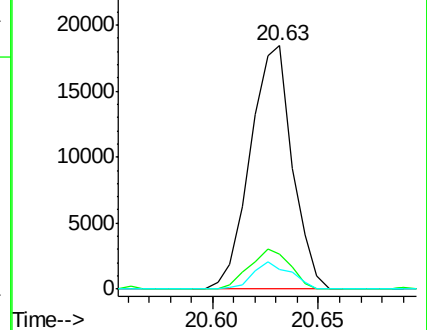
183 7.8 10.6 16.0#

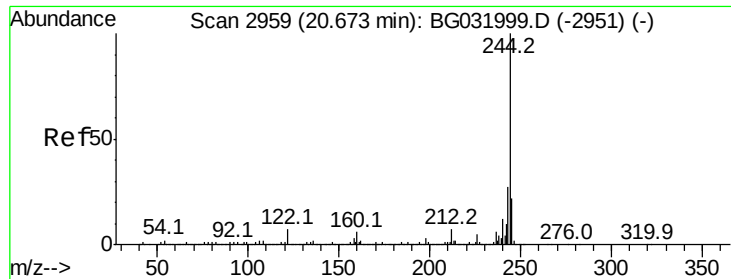


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.520 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

Instrument :

BNA_G

ClientSampleId :

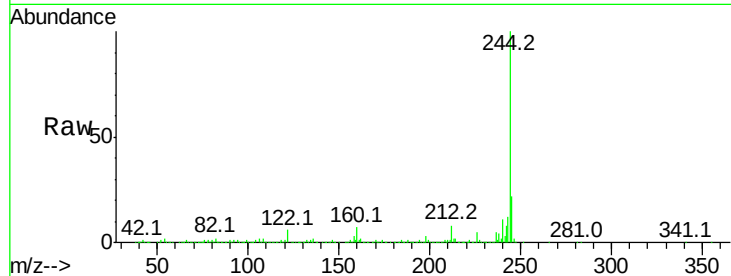
Tot Ion:244 Resp: 1707422

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

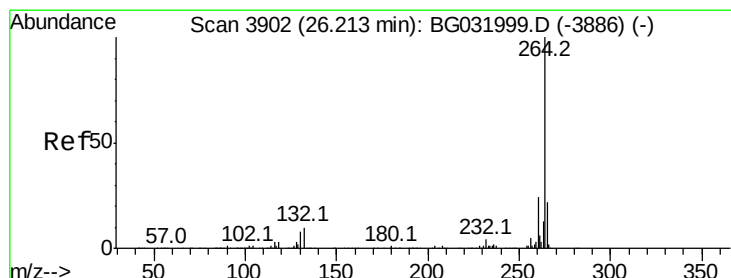
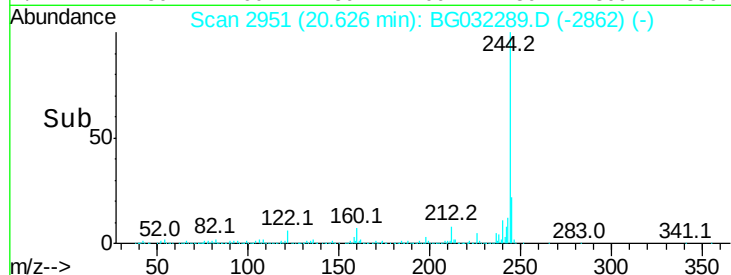
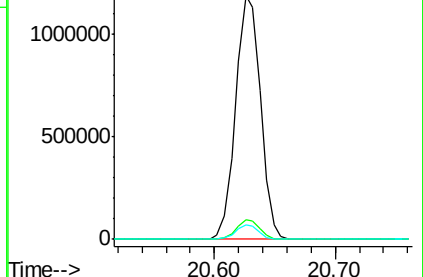
122 5.8 7.0 10.4#



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: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032289.D

Acq: 25 Jan 2018 9:32

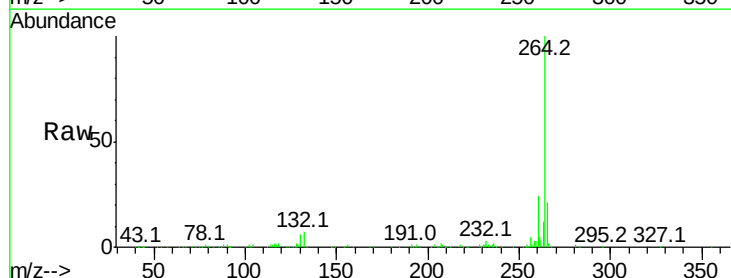
Tgt Ion:264 Resp: 394426

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.2 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

