

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033173.D
 Acq On : 15 Mar 2018 9:31
 Operator : SJ/JU
 Sample : J1911-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 10:44:57 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	35351	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	164066	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	99819	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	245426	20.00	ng	0.00
75) Chrysene-d12	22.60	240	243646	20.00	ng	0.00
86) Perylene-d12	26.40	264	259367	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	324201	146.72	ng	0.00
7) Phenol-d6	8.00	99	401551	130.38	ng	0.00
23) Nitrobenzene-d5	10.10	82	299609	121.86	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	240975	229.60	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	690147	99.72	ng	0.00
78) Terphenyl-d14	20.77	244	1244701	114.78	ng	0.00

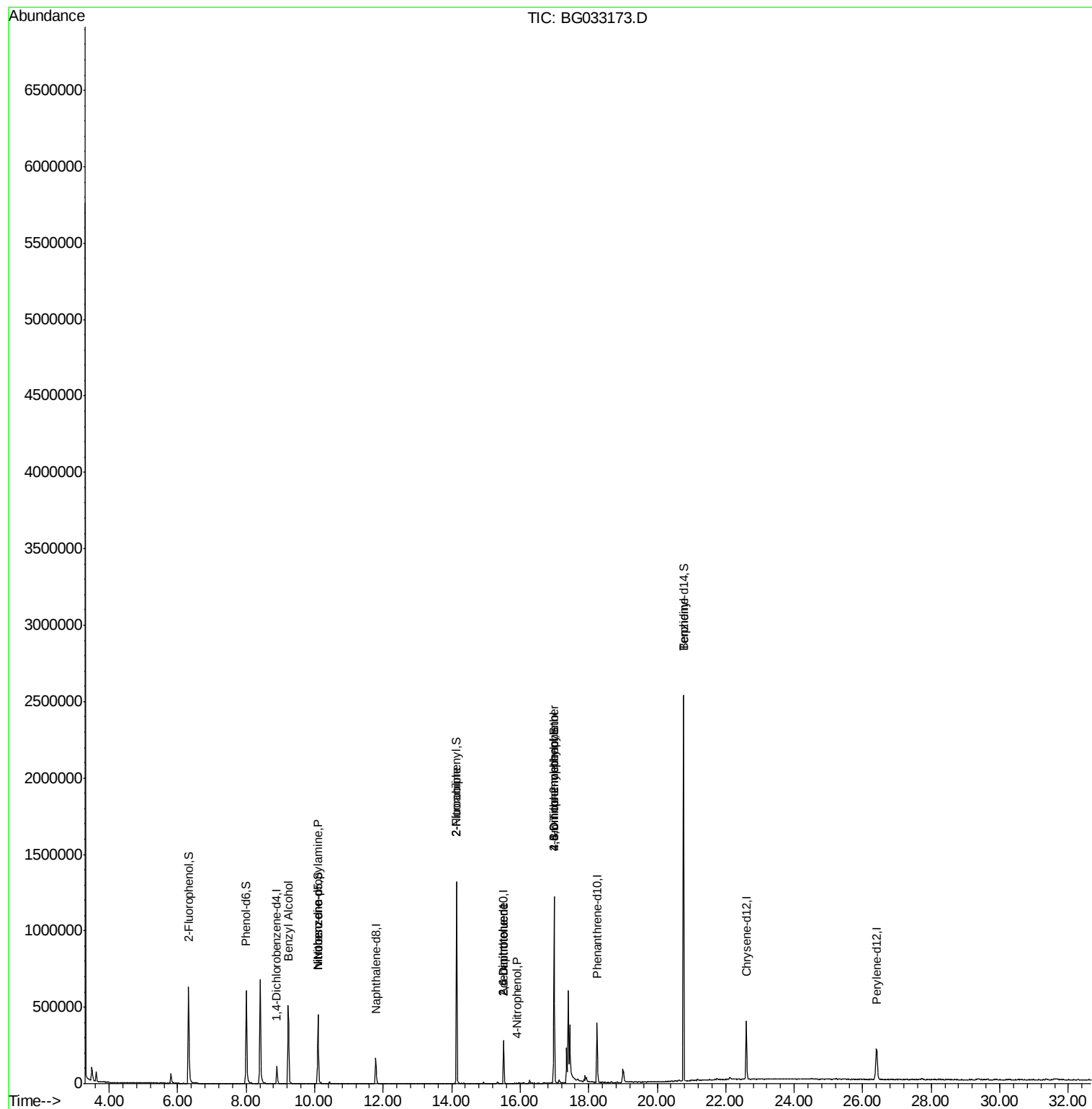
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4732	2.090	ng	# 44
19) n-Nitroso-di-n-propylamine	10.10	70	40496	18.624	ng	# 81
24) Nitrobenzene	10.10	77	948	6.694	ng	# 32
47) 2-Nitroaniline	14.14	65	1296	10.463	ng	# 8
50) 2,6-Dinitrotoluene	15.52	165	12528	16.173	ng	# 22
55) 4-Nitrophenol	15.92	139	75	7.130	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	12528	14.369	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	517	5.843	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15584	6.005	ng	# 1
76) Benzidine	20.77	184	20784	2.503	ng	# 89

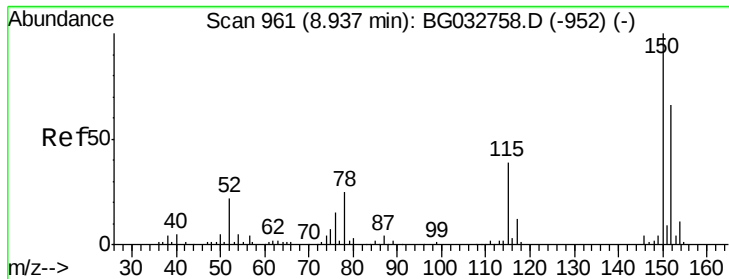
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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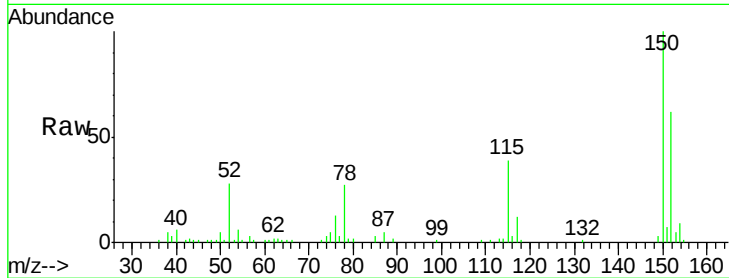


#1

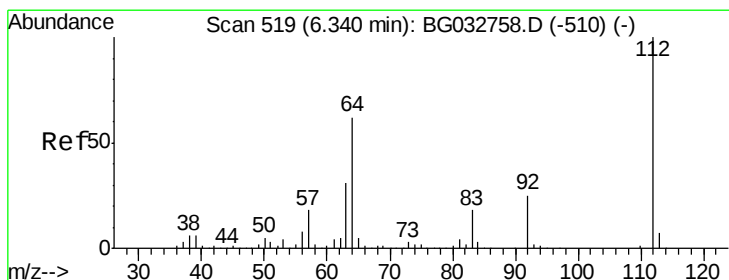
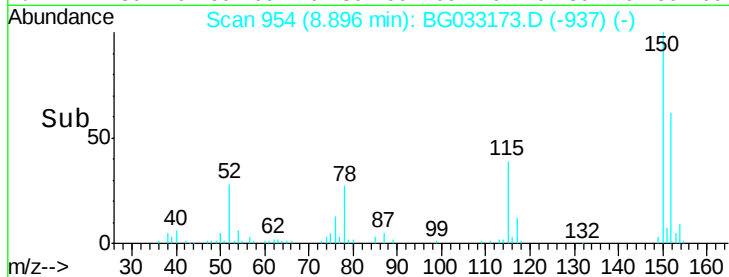
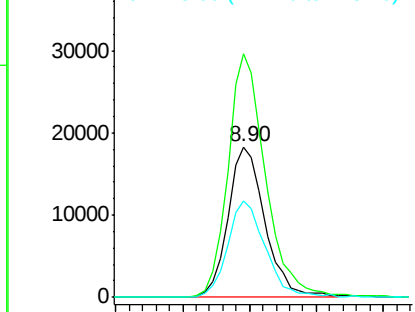
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033173.D
Acq: 15 Mar 2018 9:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35351
Ion Ratio Lower Upper
152 100
150 162.2 126.6 189.8
115 63.9 53.0 79.4



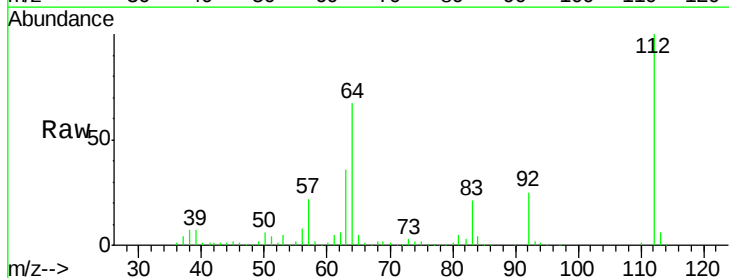
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



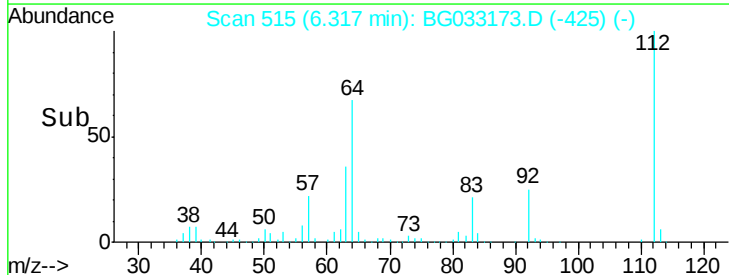
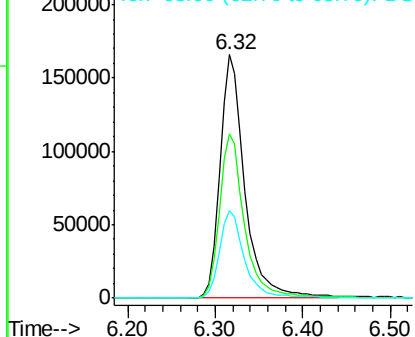
#5

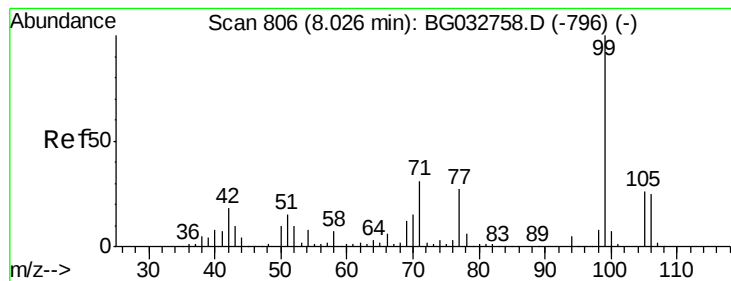
2-Fluorophenol
Concen: 146.721 ng
RT: 6.32 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033173.D
Acq: 15 Mar 2018 9:31

Tgt Ion:112 Resp: 324201
Ion Ratio Lower Upper
112 100
64 67.3 56.3 84.5
63 36.1 30.1 45.1



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





#7

Phenol-d6

Concen: 130.377 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

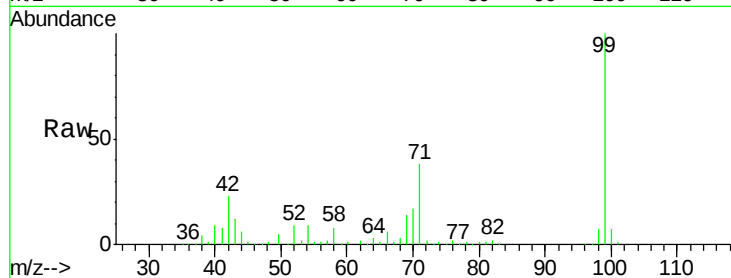
Tot Ion: 99 Resp: 401551

Ion Ratio Lower Upper

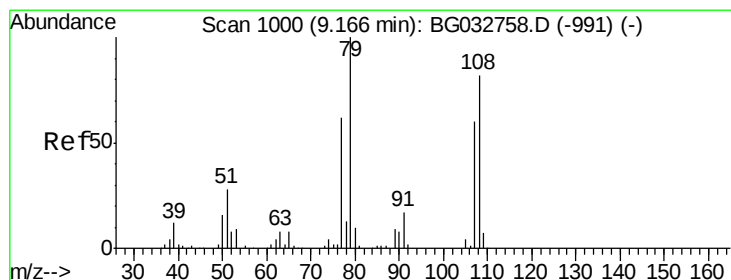
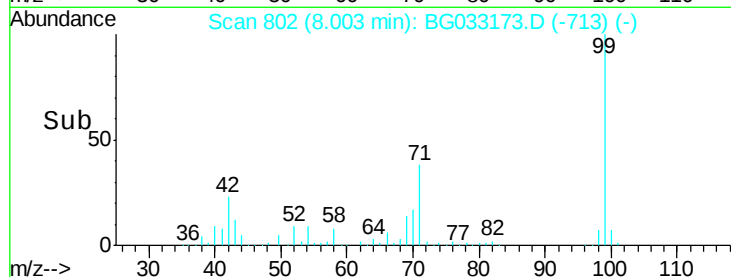
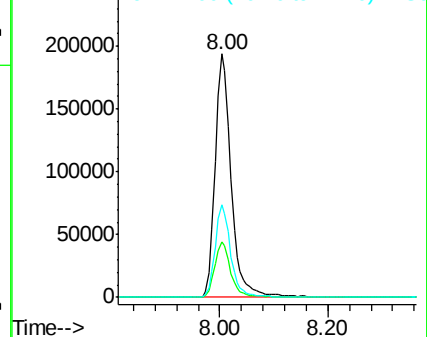
99 100

42 22.6 14.1 21.1#

71 37.8 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: 2.090 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

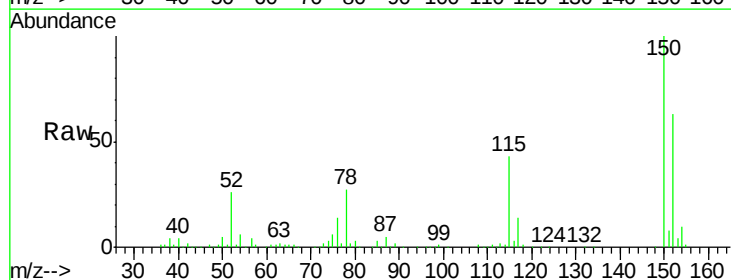
Tgt Ion: 79 Resp: 4732

Ion Ratio Lower Upper

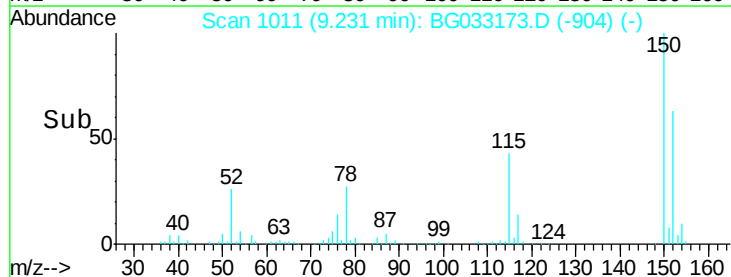
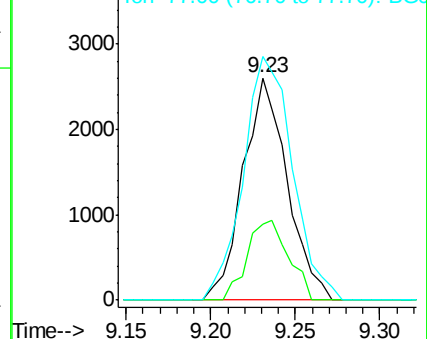
79 100

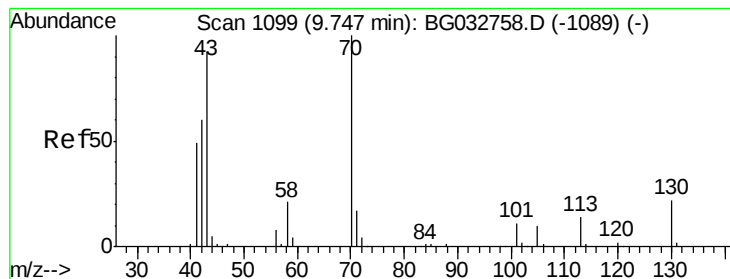
108 34.2 57.2 85.8#

77 109.5 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: 18.624 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.39 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 40496

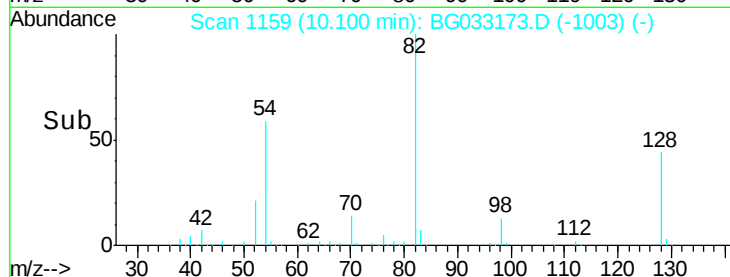
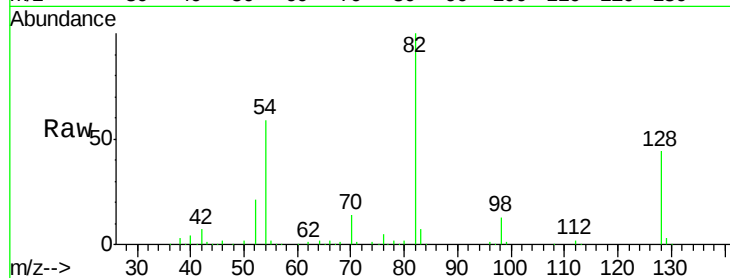
Ion Ratio Lower Upper

70 100

42 51.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



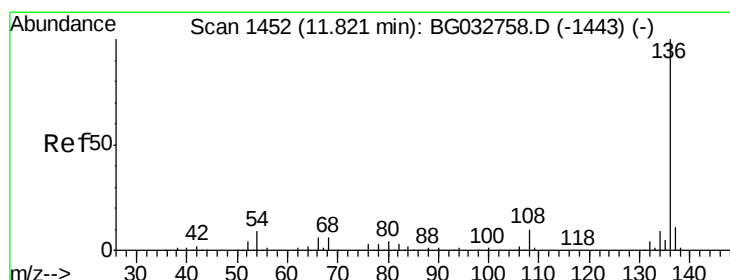
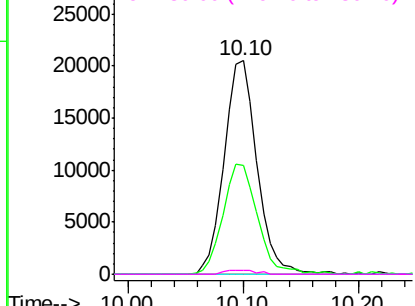
Abundance

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: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Tgt Ion: 136 Resp: 164066

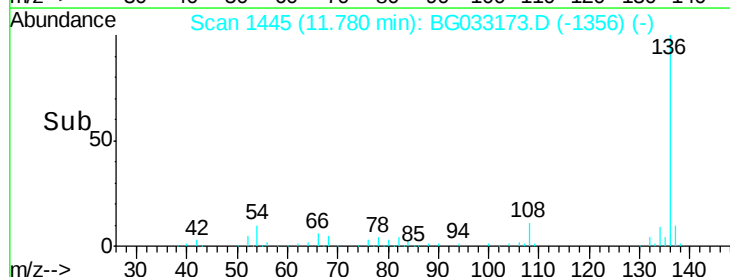
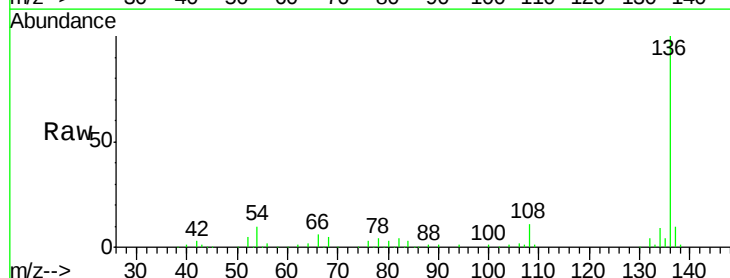
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 9.7 10.3 15.5#

68 5.3 4.5 6.7



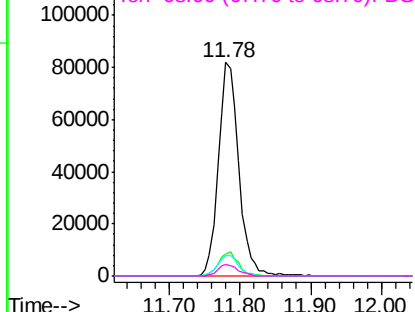
Abundance

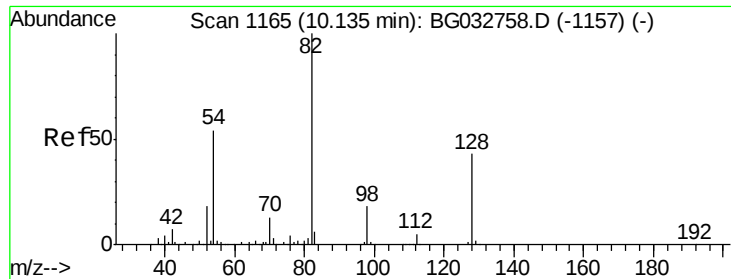
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 121.860 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

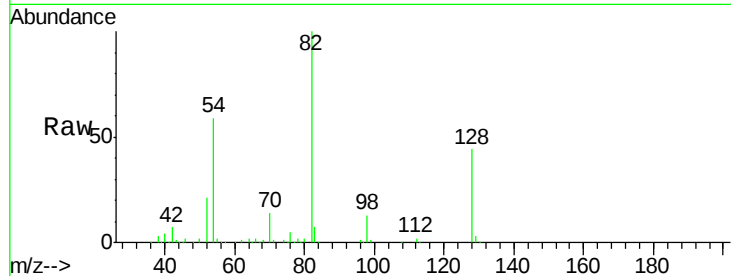
Tot Ion: 82 Resp: 299609

Ion Ratio Lower Upper

82 100

128 43.5 29.7 44.5

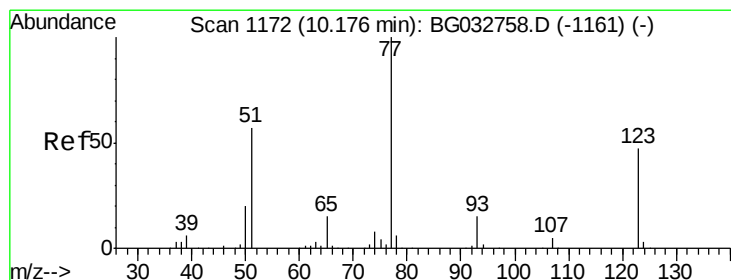
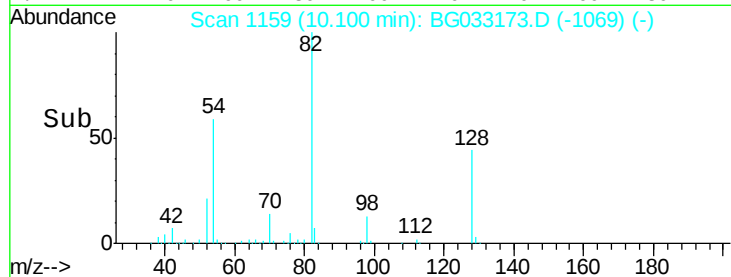
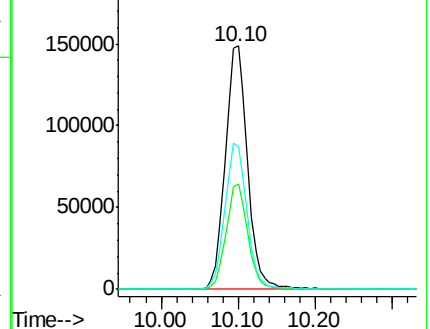
54 58.6 43.1 64.7



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



#24

Nitrobenzene

Concen: 6.694 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

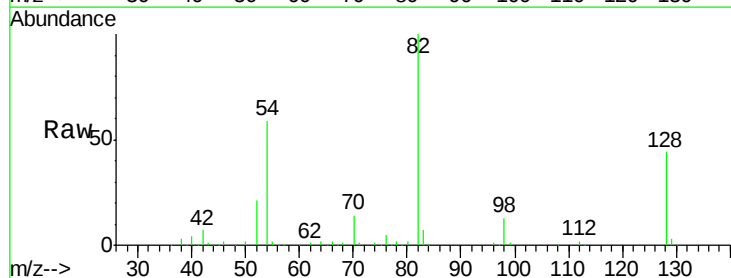
Tgt Ion: 77 Resp: 948

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

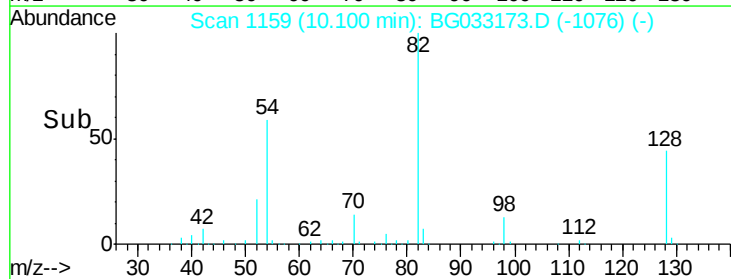
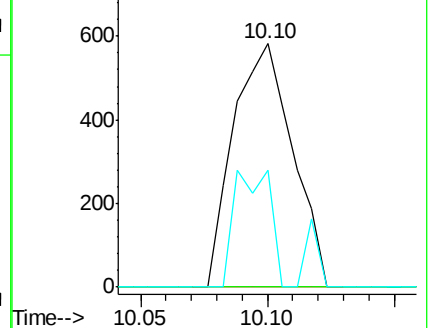
65 48.3 13.0 19.6#

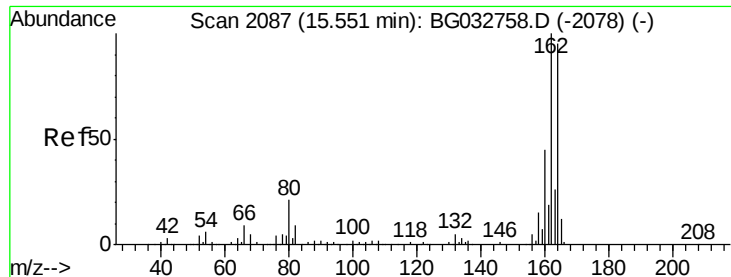


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

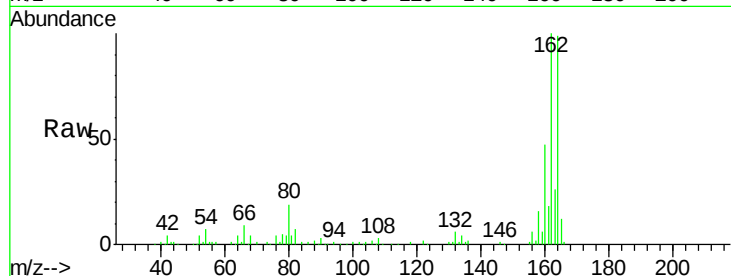
Tot Ion:164 Resp: 99819

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

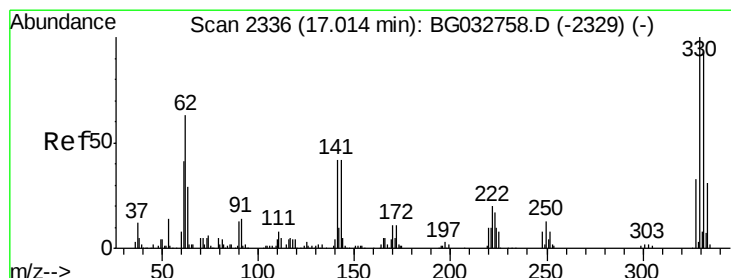
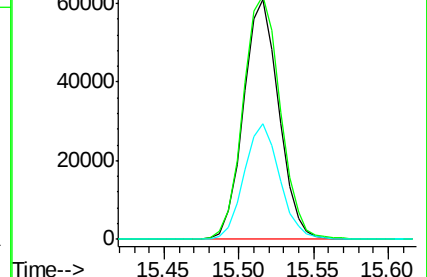
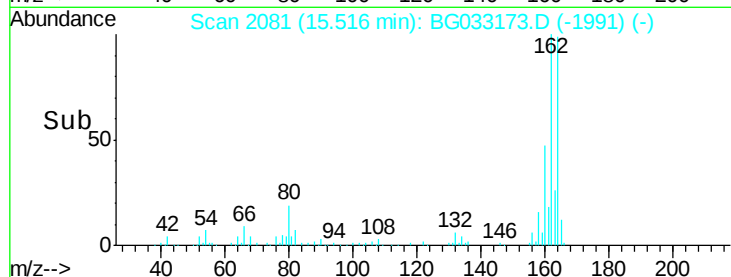
160 47.8 35.4 53.0



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: 229.596 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

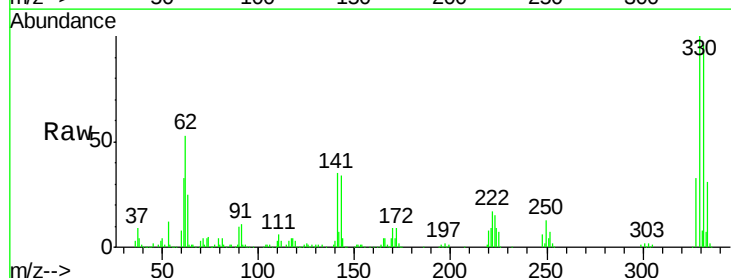
Tgt Ion:330 Resp: 240975

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

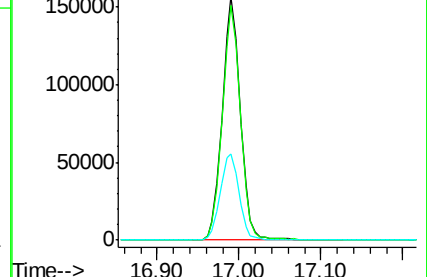
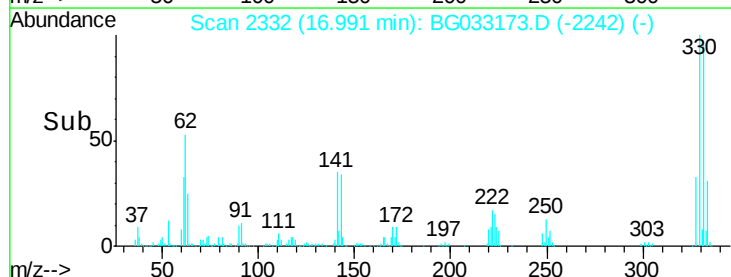
141 36.9 25.2 37.8

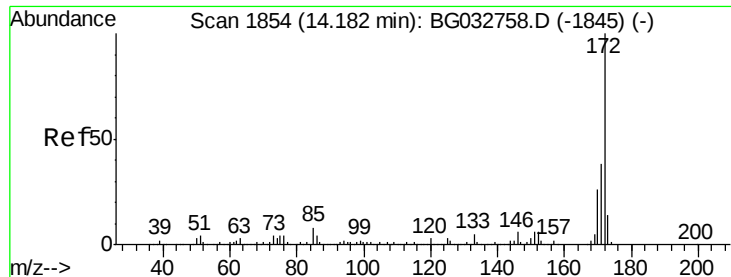


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

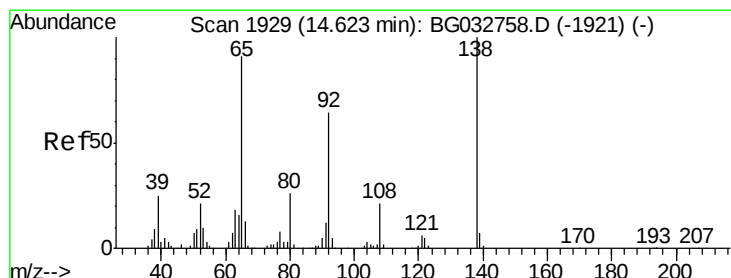
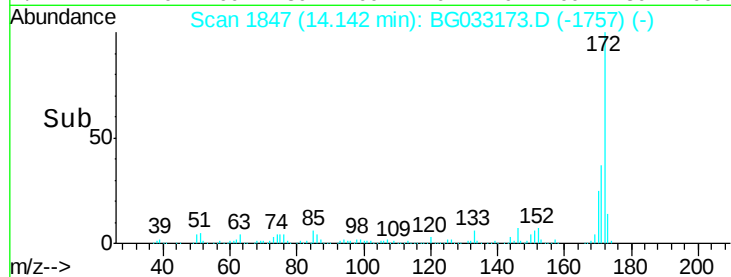
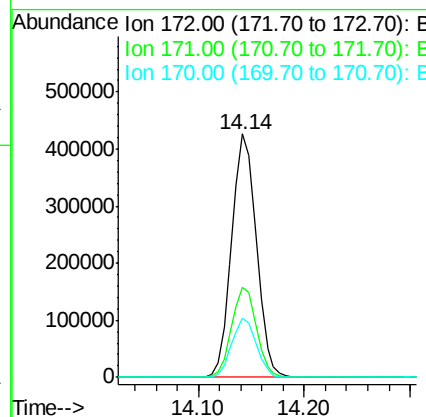
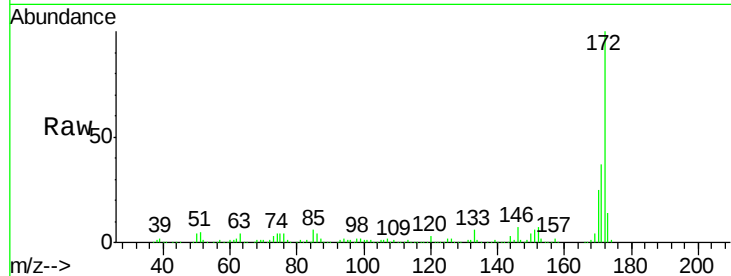




#44
 2-Fluorobiphenyl
 Concen: 99.717 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

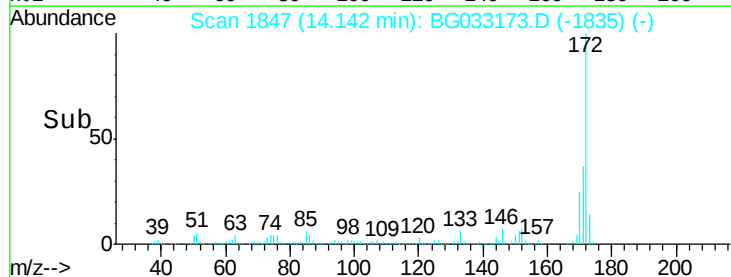
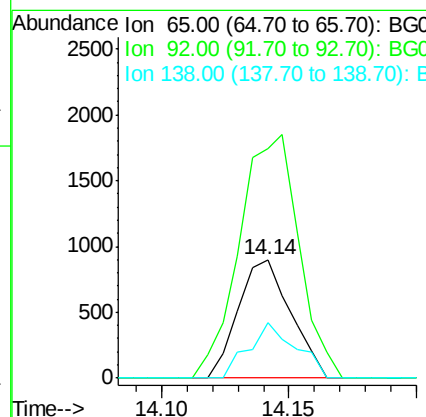
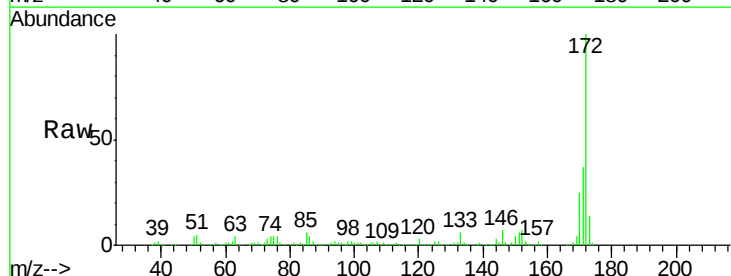
Instrument :
 BNA_G
 ClientSampled :

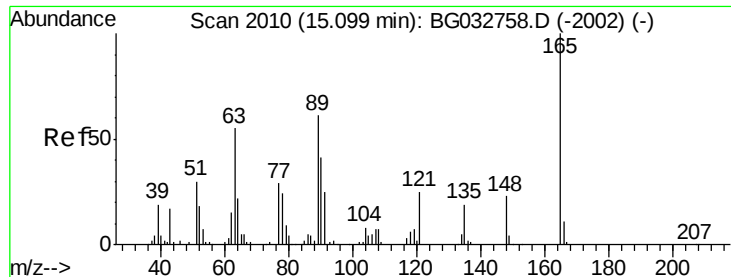
Tot Ion:172 Resp: 690147
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.0 45.0
 170 24.6 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.463 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.46 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

Tgt Ion: 65 Resp: 1296
 Ion Ratio Lower Upper
 65 100
 92 192.9 54.6 82.0#
 138 47.2 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.173 ng

RT: 15.52 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

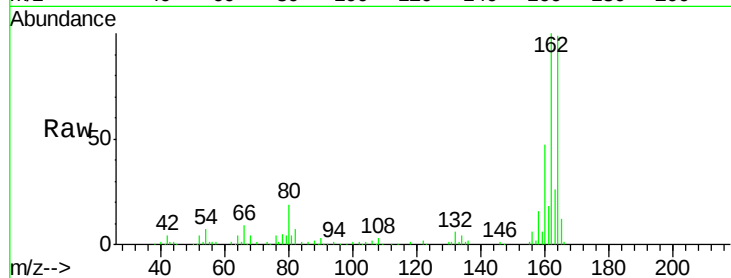
Tot Ion:165 Resp: 12528

Ion Ratio Lower Upper

165 100

63 2.6 52.7 79.1#

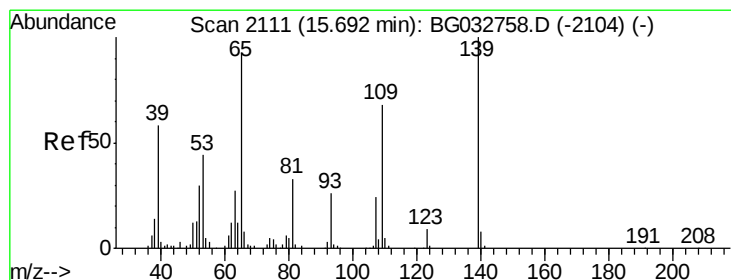
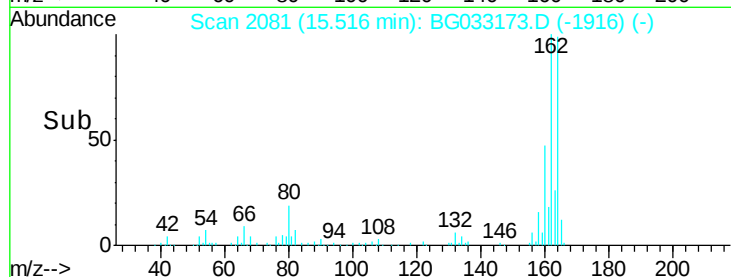
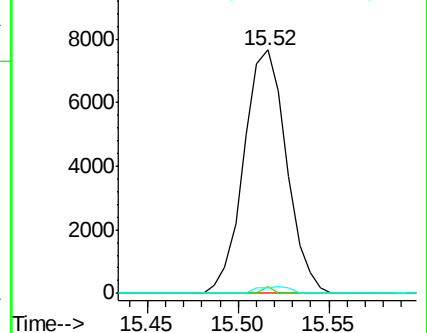
89 2.5 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.130 ng

RT: 15.92 min Scan# 2149

Delta R.T. 0.22 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

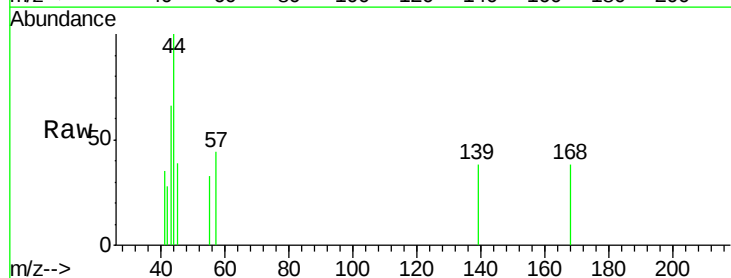
Tgt Ion:139 Resp: 75

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

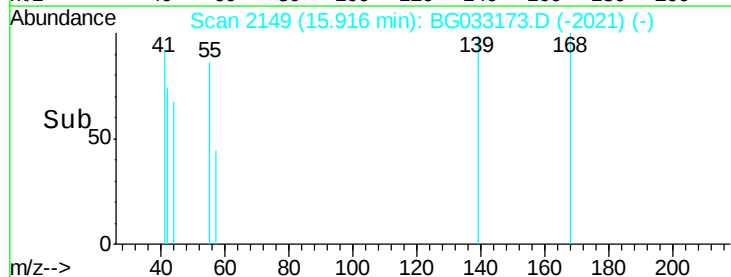
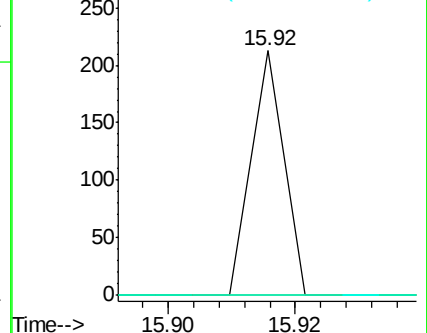
65 0.0 97.2 137.2#

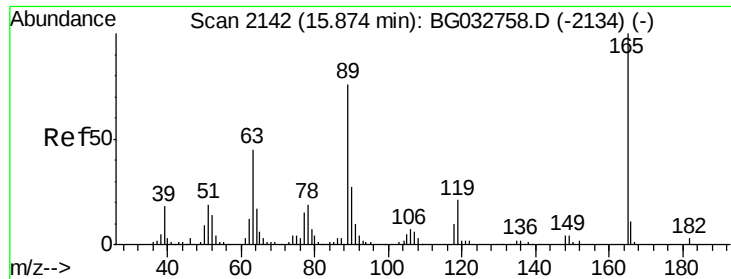


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

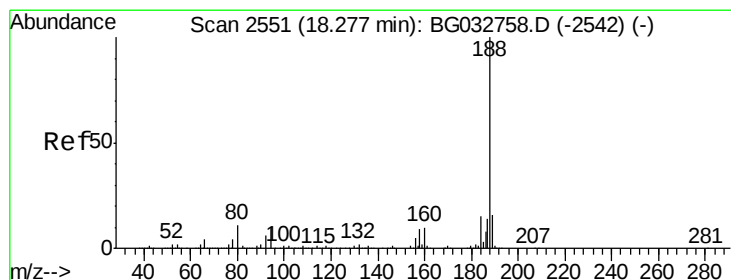
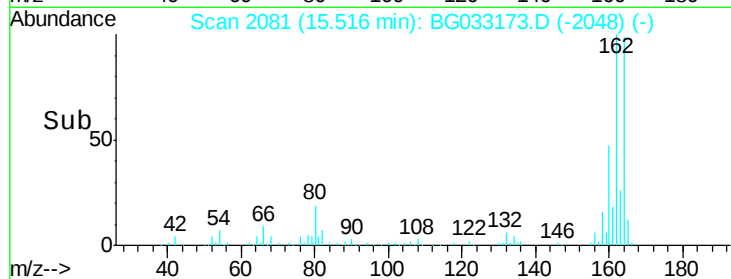
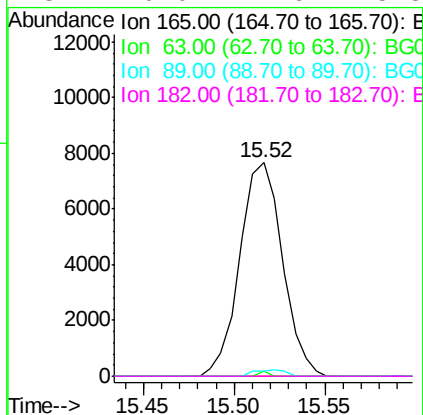
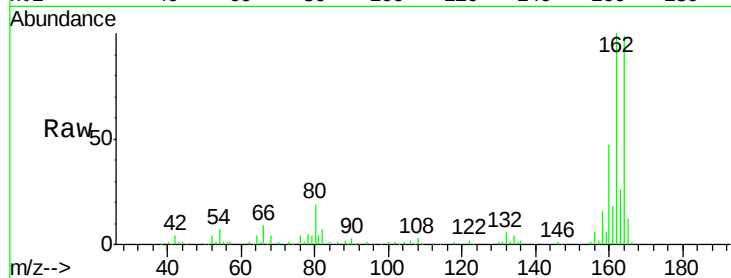




#56
 2,4-Dinitrotoluene
 Concen: 14.369 ng
 RT: 15.52 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

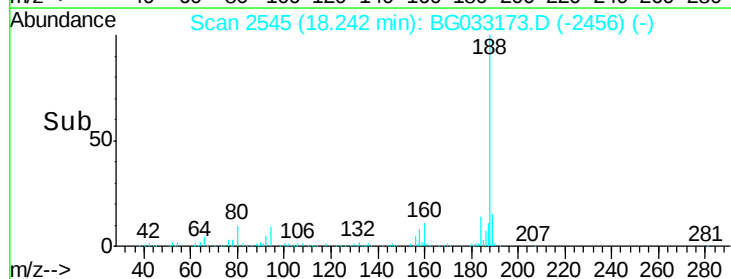
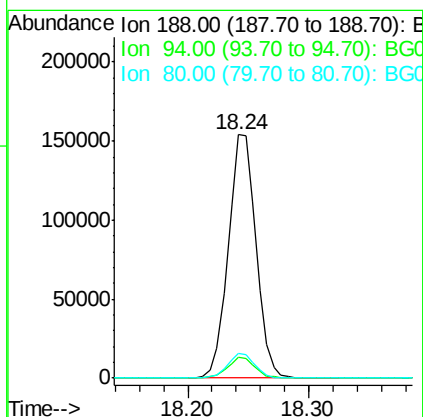
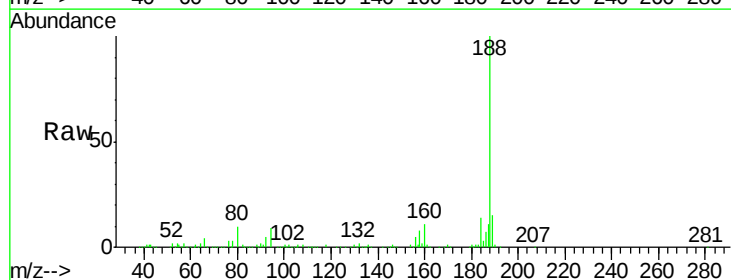
Instrument :
 BNA_G
 ClientSampleId :

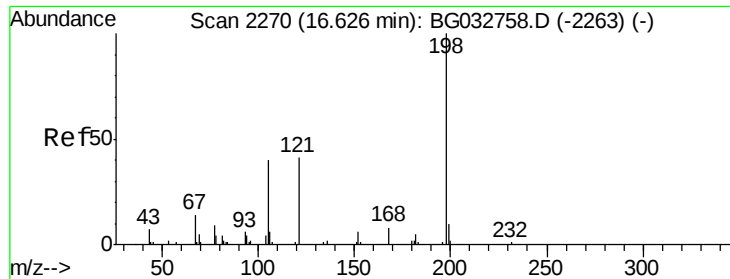
Tot Ion:	165	Resp:	12528
Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.01 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

Tgt Ion:	188	Resp:	245426
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.3	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.843 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampled :

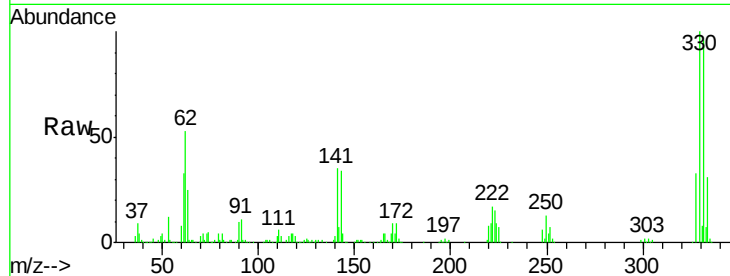
Tot Ion:198 Resp: 517

Ion Ratio Lower Upper

198 100

51 169.4 30.6 70.6#

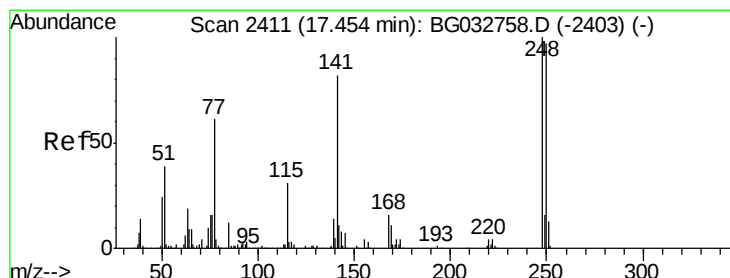
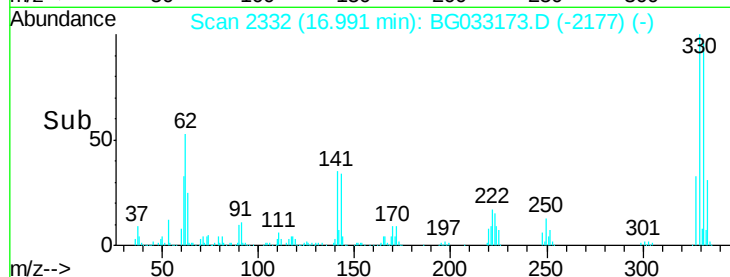
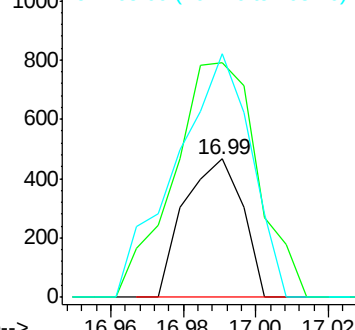
105 175.8 23.8 63.8#



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: 6.005 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

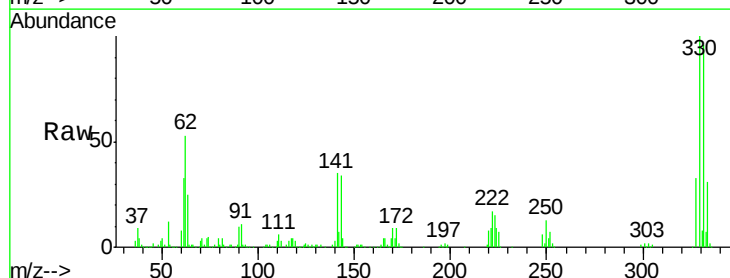
Tgt Ion:248 Resp: 15584

Ion Ratio Lower Upper

248 100

250 203.6 77.1 115.7#

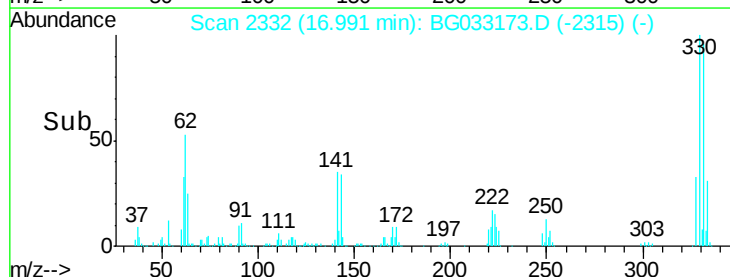
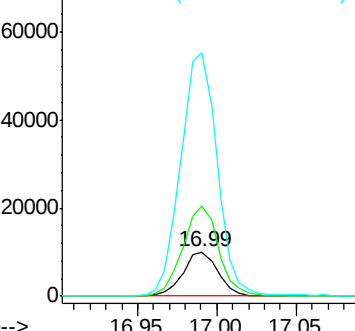
141 549.4 50.8 76.2#

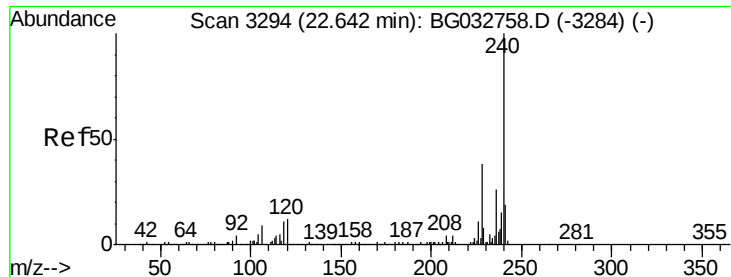


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

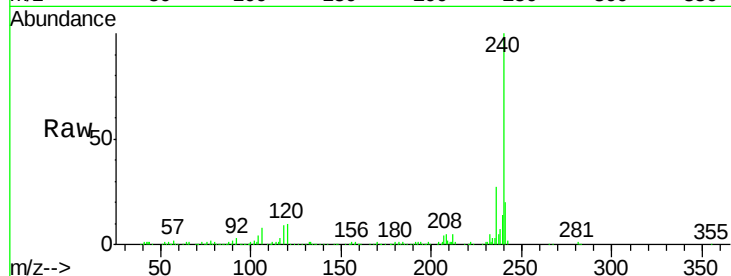




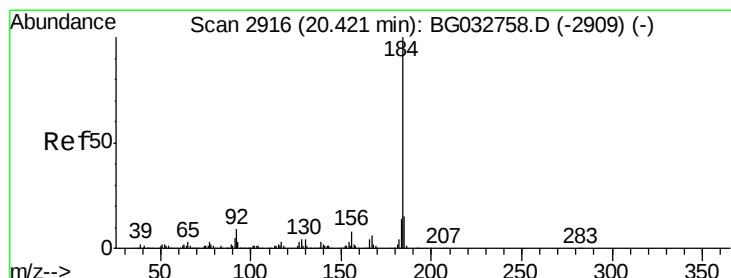
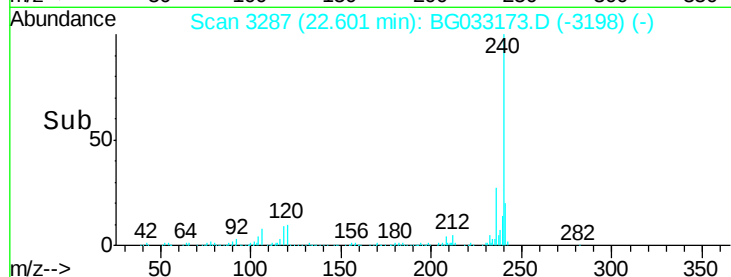
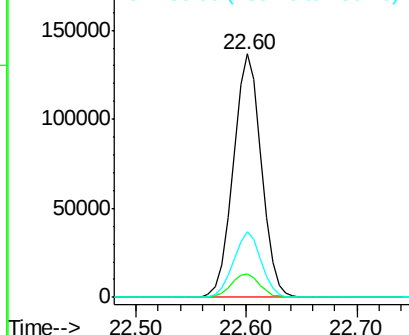
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	6.8	10.2
236	27.1	20.9	31.3

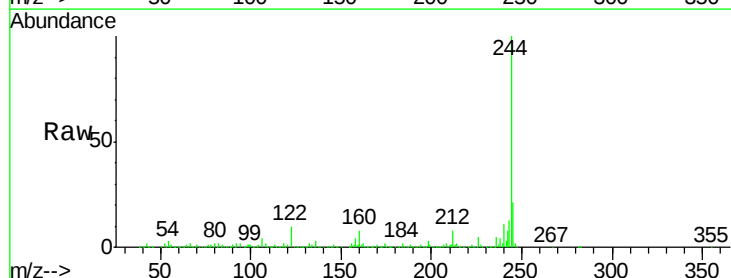


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

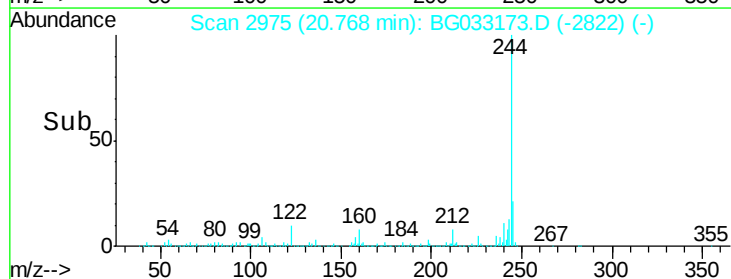
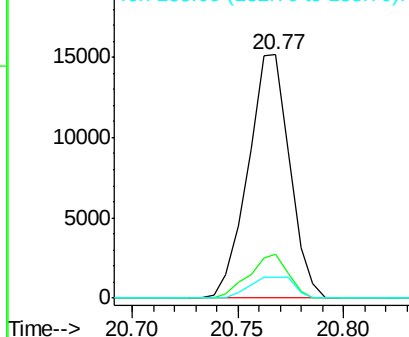


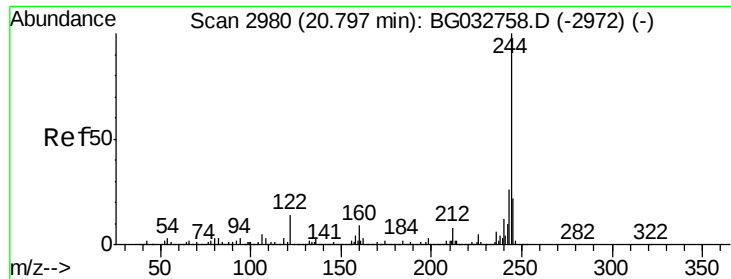
#76
 Benzidine
 Concen: 2.503 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. 0.37 min
 Lab File: BG033173.D
 Acq: 15 Mar 2018 9:31

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.3	11.1	16.7#
183	8.8	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: 114.777 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

Instrument :

BNA_G

ClientSampleId :

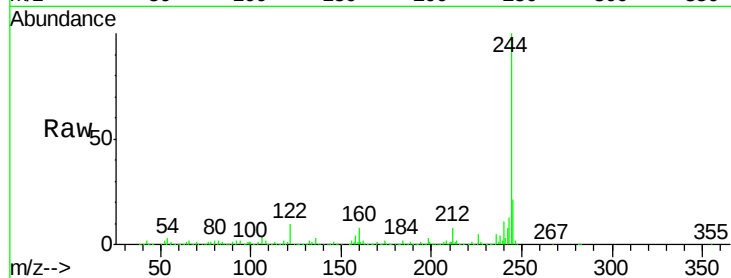
Tot Ion:244 Resp: 1244701

Ion Ratio Lower Upper

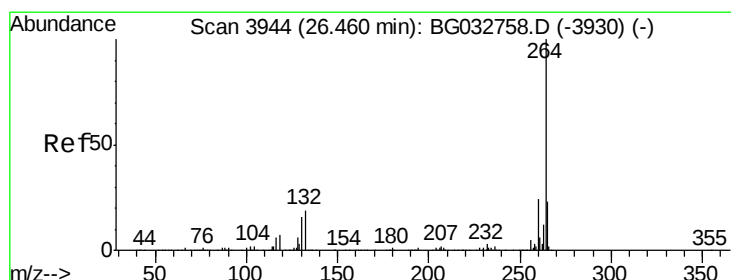
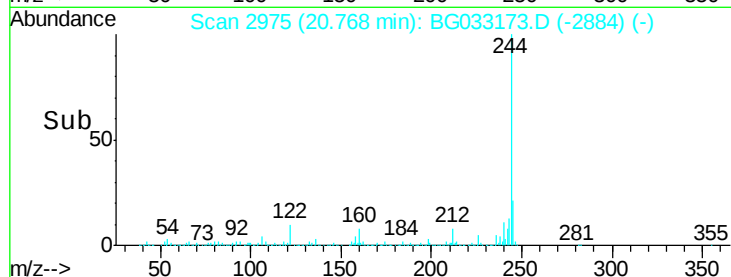
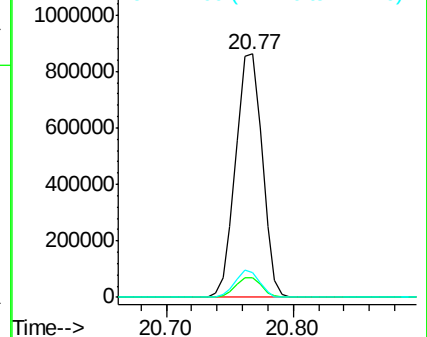
244 100

212 7.9 5.8 8.8

122 9.9 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: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033173.D

Acq: 15 Mar 2018 9:31

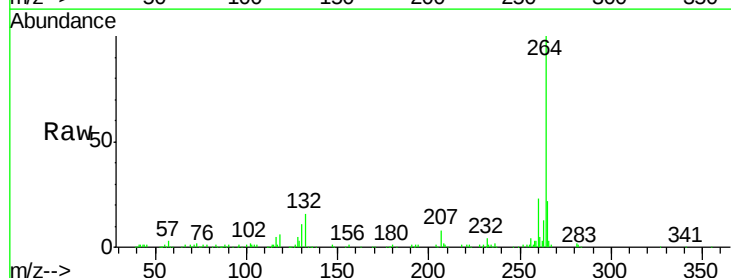
Tgt Ion:264 Resp: 259367

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.5 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

