

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033182.D
 Acq On : 15 Mar 2018 18:31
 Operator : SJ/JU
 Sample : J1913-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 04:52:14 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	8.89	152	33087	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	144301	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	80186	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	202627	20.00	ng	0.00
75) Chrysene-d12	22.60	240	214798	20.00	ng	0.00
86) Perylene-d12	26.41	264	235623	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	299048	144.60	ng	0.00
7) Phenol-d6	8.01	99	351000	121.76	ng	0.00
23) Nitrobenzene-d5	10.10	82	267372	123.50	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	207443	246.04	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	589882	106.10	ng	0.00
78) Terphenyl-d14	20.77	244	1069827	111.90	ng	0.00

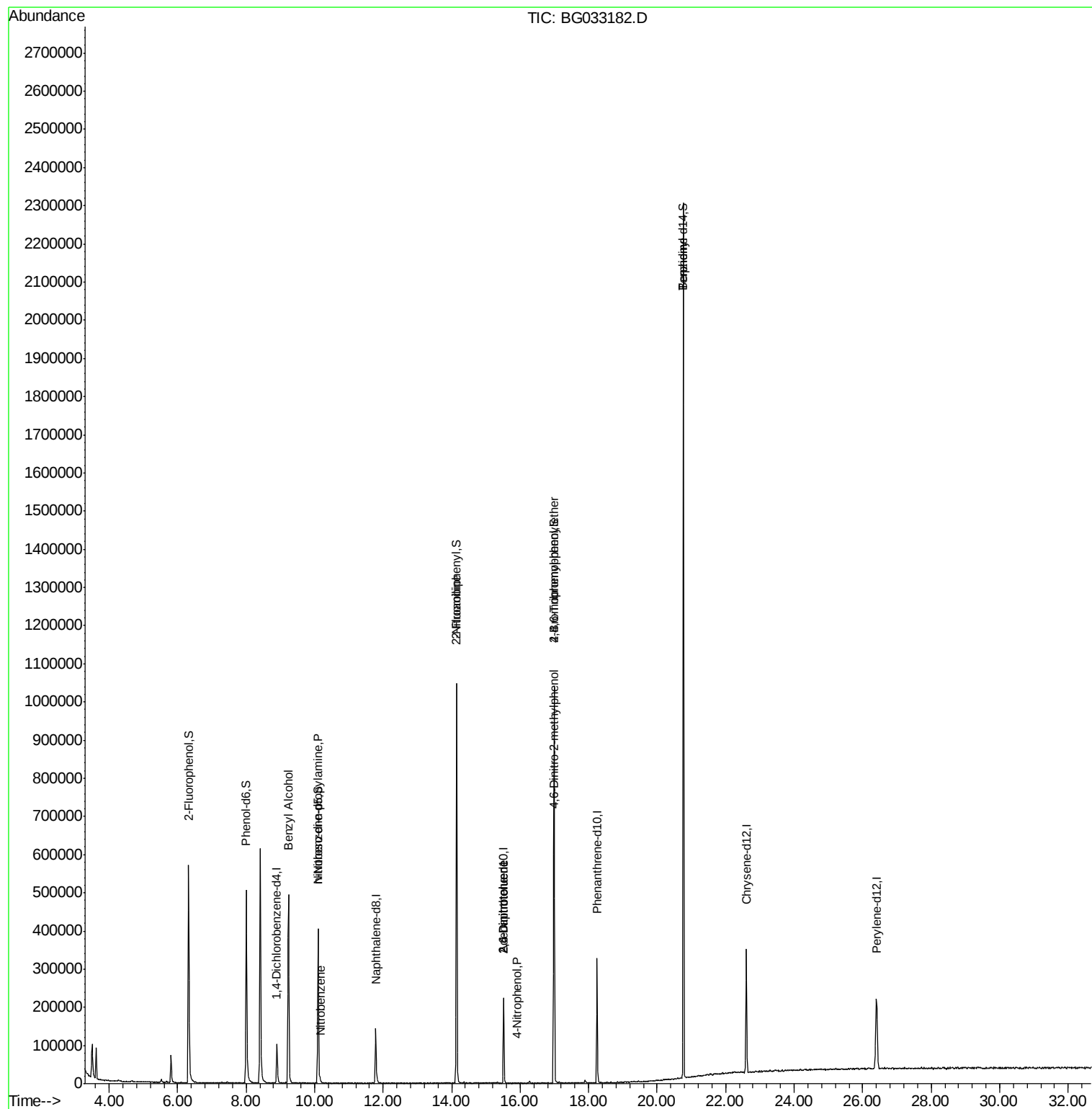
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4502	2.124	ng	# 39
19) n-Nitroso-di-n-propylamine	10.10	70	36811	18.088	ng	# 87
24) Nitrobenzene	10.17	77	60	6.403	ng	# 42
47) 2-Nitroaniline	14.13	65	1144	10.525	ng	# 19
50) 2,6-Dinitrotoluene	15.51	165	10788	16.696	ng	# 20
55) 4-Nitrophenol	15.91	139	124	7.182	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	10788	14.896	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.97	198	585	6.172	ng	# 55
66) 4-Bromophenyl-phenylether	16.99	248	13352	6.232	ng	# 1
76) Benzidine	20.77	184	18230	2.490	ng	# 96

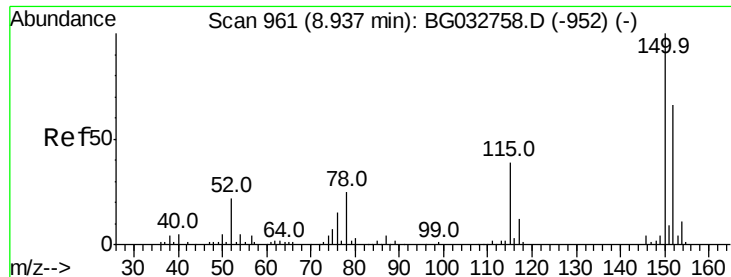
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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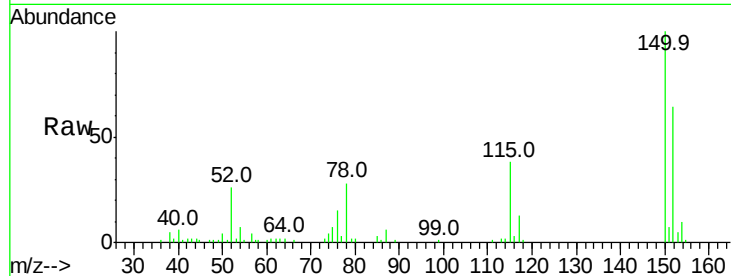


#1

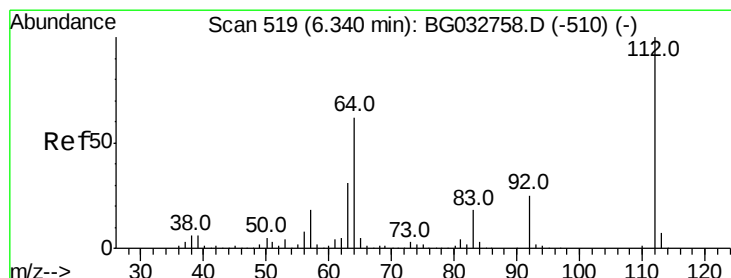
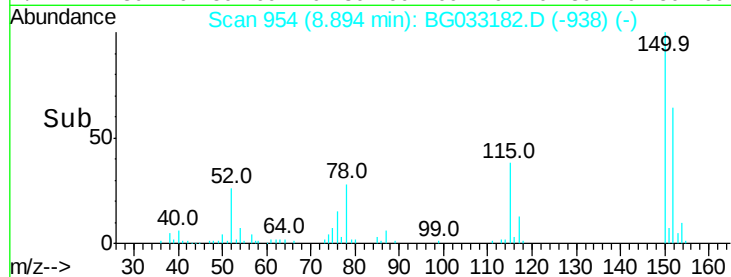
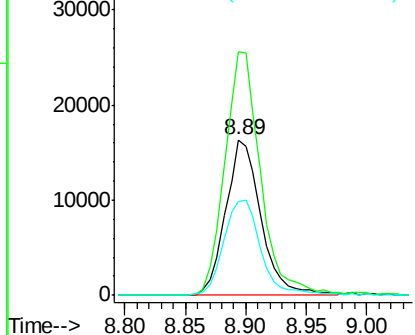
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33087
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 60.3 53.0 79.4



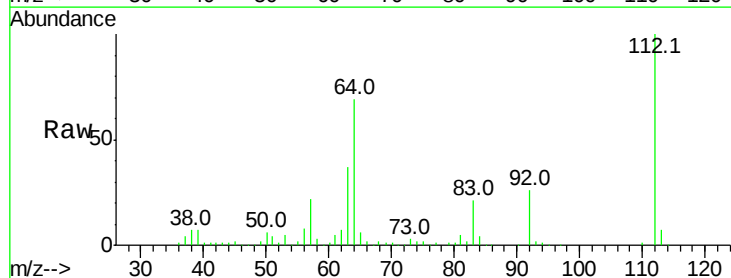
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



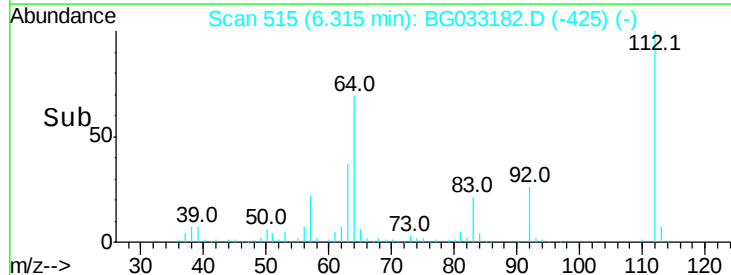
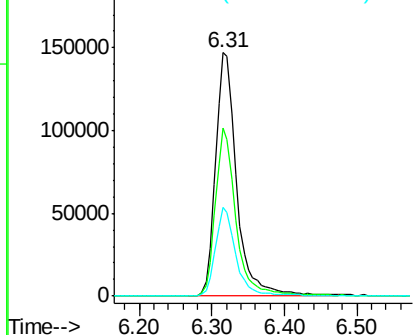
#5

2-Fluorophenol
Concen: 144.599 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Tgt Ion:112 Resp: 299048
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 36.5 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: 121.762 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

Instrument :

BNA_G

ClientSampleId :

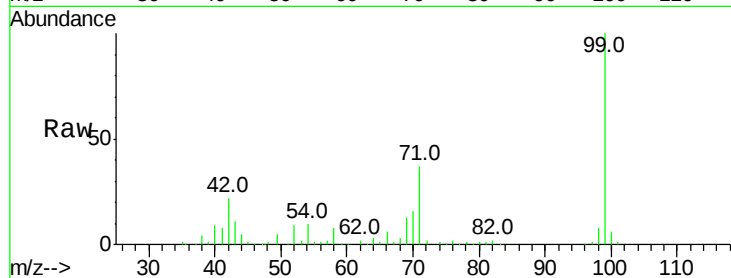
Tot Ion: 99 Resp: 351000

Ion Ratio Lower Upper

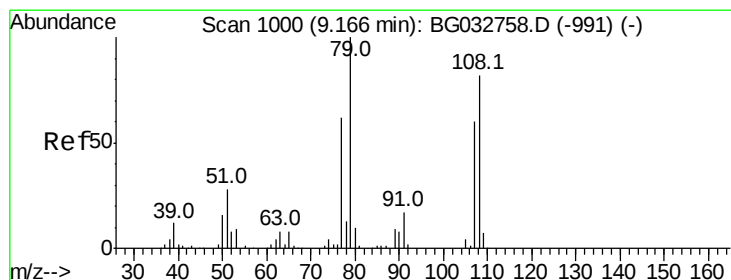
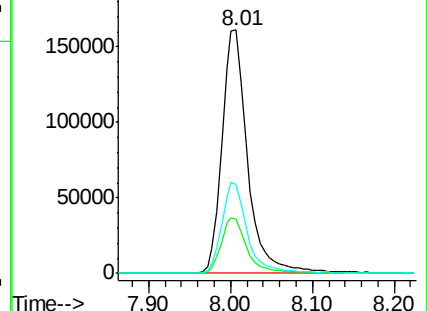
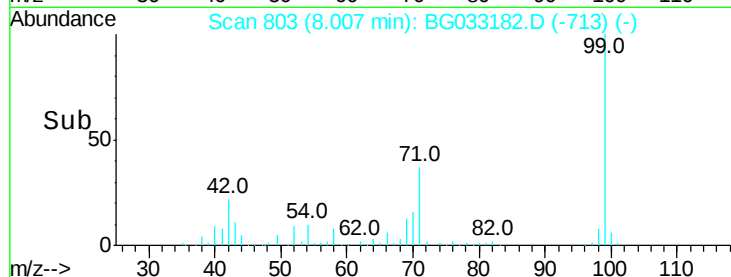
99 100

42 22.1 14.1 21.1#

71 36.6 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: 2.124 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

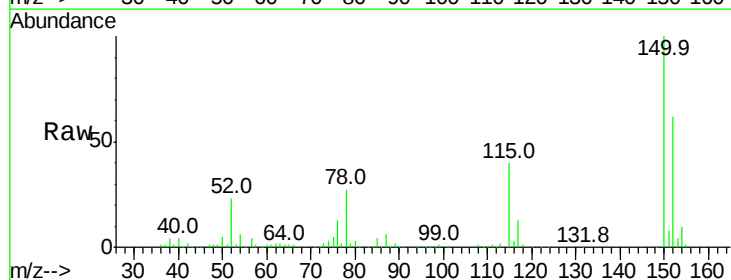
Tgt Ion: 79 Resp: 4502

Ion Ratio Lower Upper

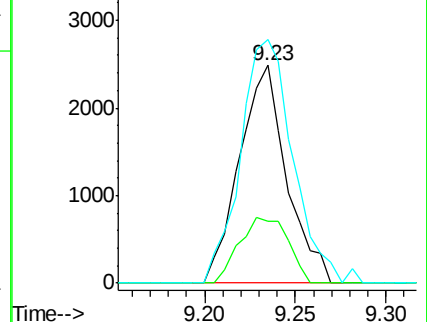
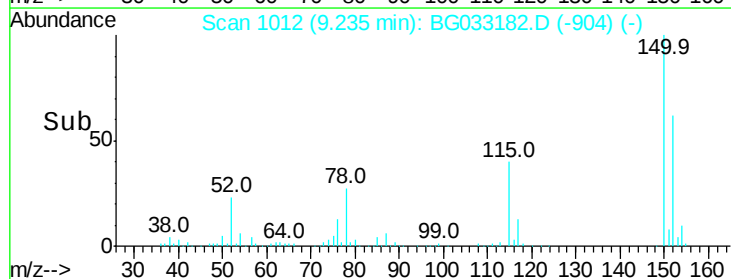
79 100

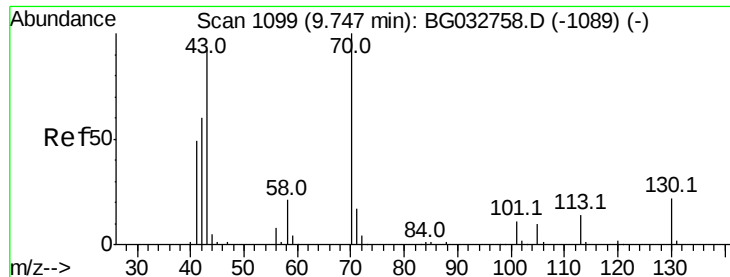
108 28.6 57.2 85.8#

77 111.9 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

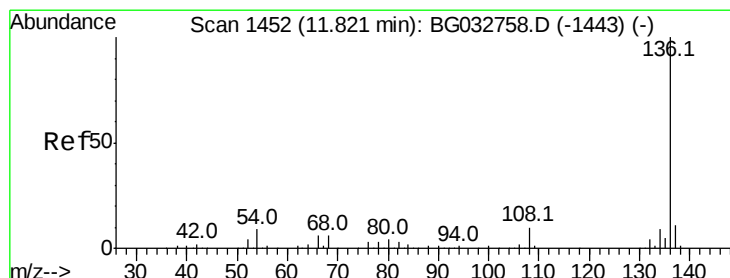
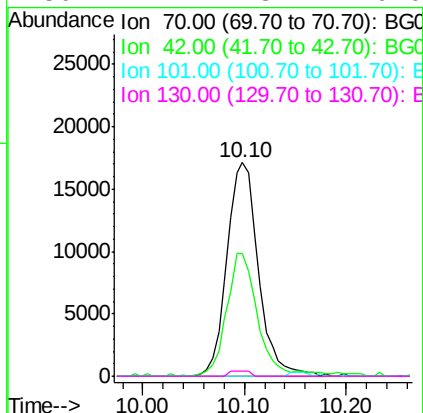
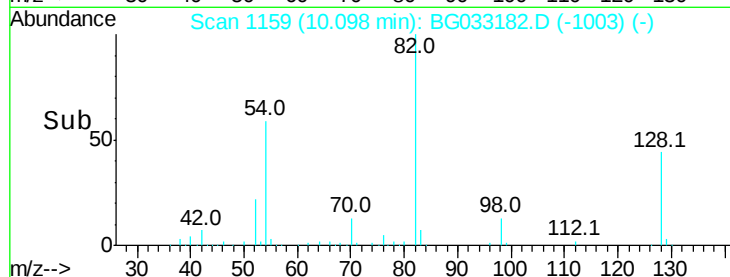
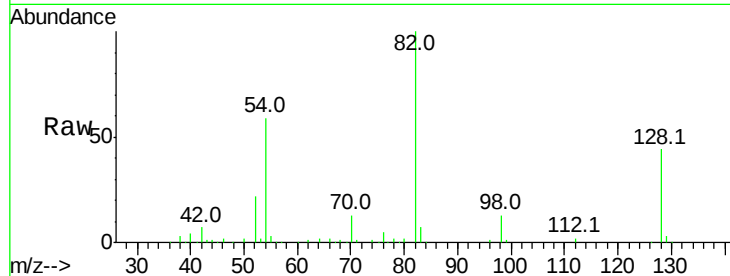




#19
n-Nitroso-di-n-propylamine
Concen: 18.088 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

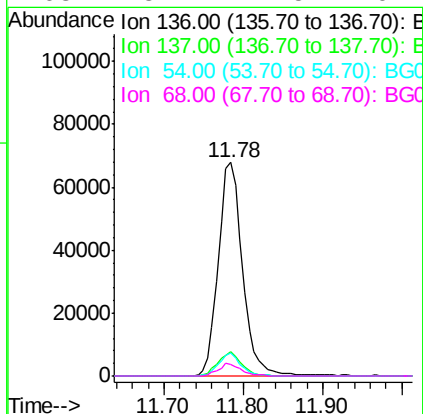
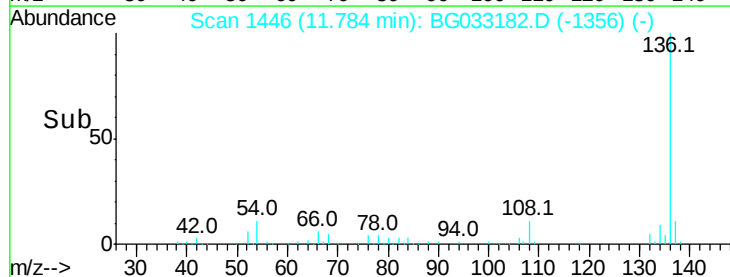
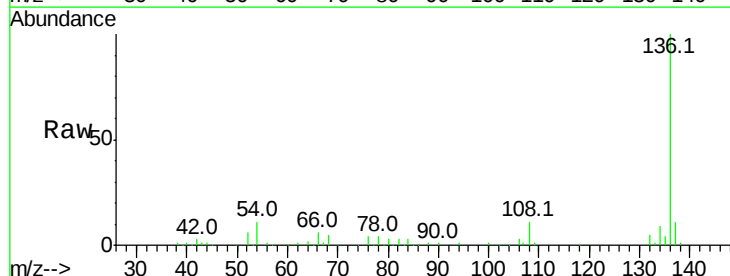
Instrument :
BNA_G
ClientSampleId :

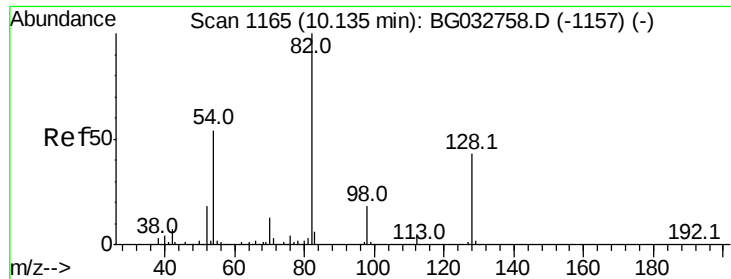
Tot Ion: 70 Resp: 36811
Ion Ratio Lower Upper
70 100
42 57.3 49.1 73.7
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Tgt Ion: 136 Resp: 144301
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 10.6 10.3 15.5
68 5.2 4.5 6.7

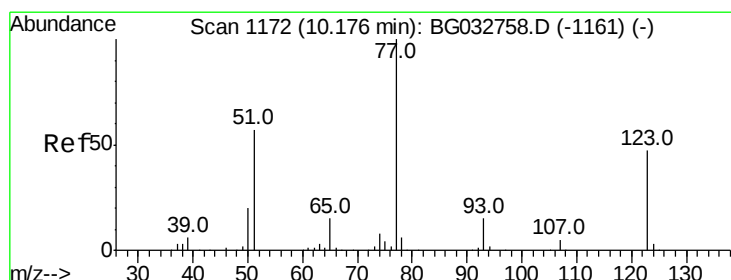
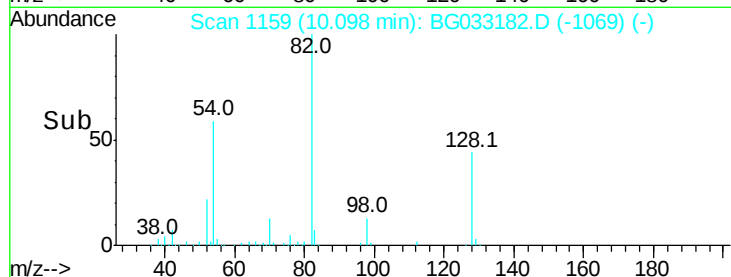
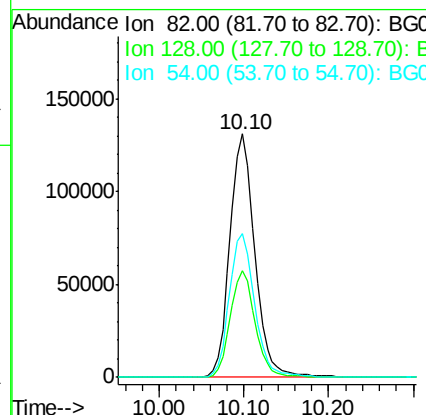
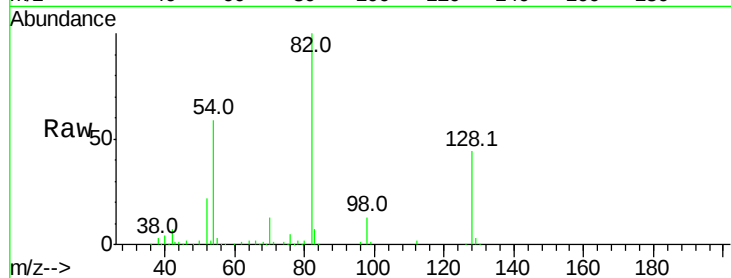




#23
 Nitrobenzene-d5
 Concen: 123.498 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BG033182.D
 Acq: 15 Mar 2018 18:31

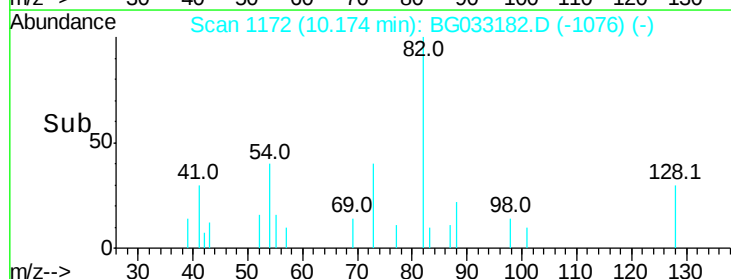
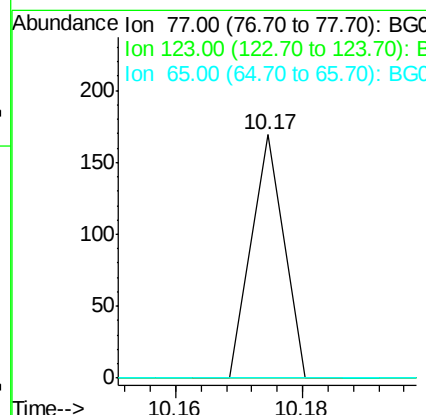
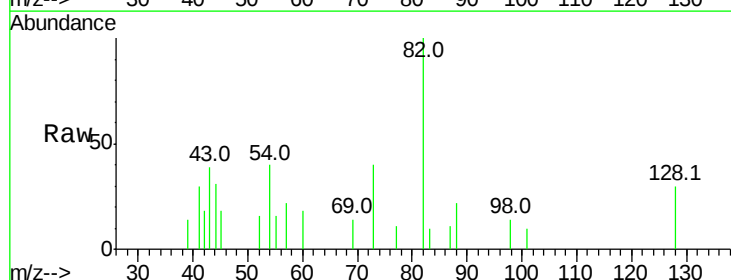
Instrument :
 BNA_G
 ClientSampleId :

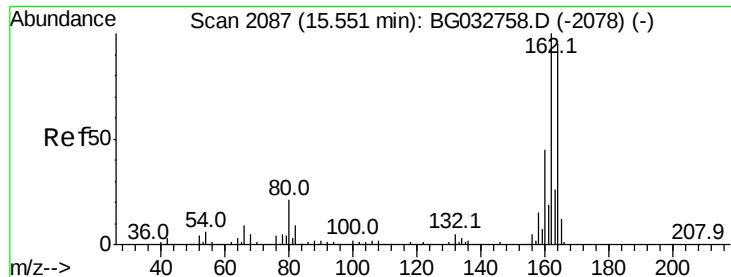
Tot Ion: 82 Resp: 267372
 Ion Ratio Lower Upper
 82 100
 128 43.6 29.7 44.5
 54 59.3 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.403 ng
 RT: 10.17 min Scan# 1172
 Delta R.T. 0.03 min
 Lab File: BG033182.D
 Acq: 15 Mar 2018 18:31

Tgt Ion: 77 Resp: 60
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

Instrument :

BNA_G

ClientSampleId :

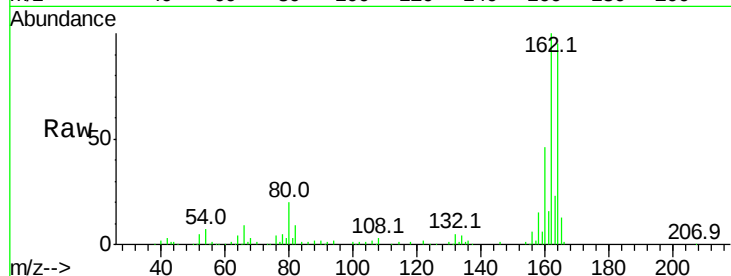
Tot Ion:164 Resp: 80186

Ion Ratio Lower Upper

164 100

162 105.5 78.8 118.2

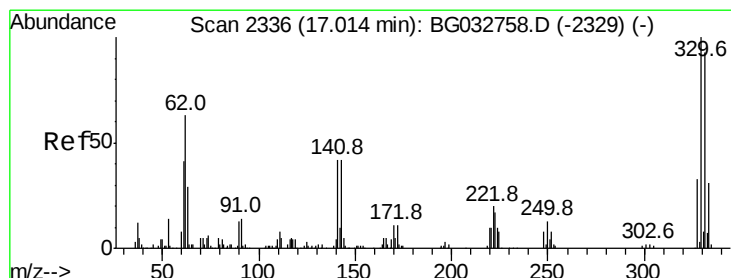
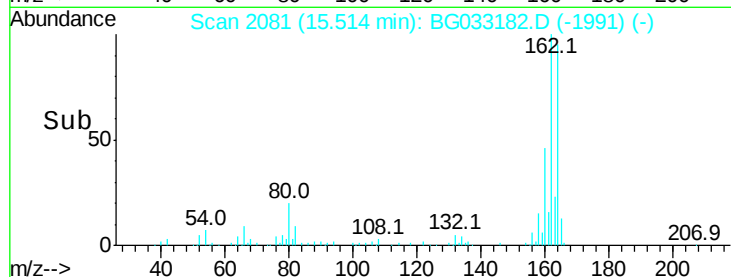
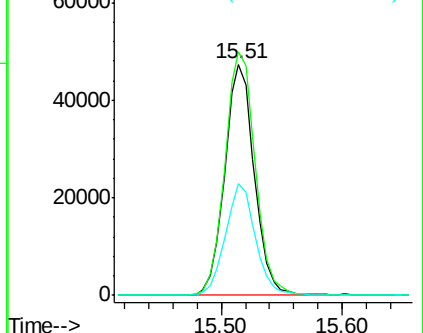
160 48.3 35.4 53.0



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: 246.040 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

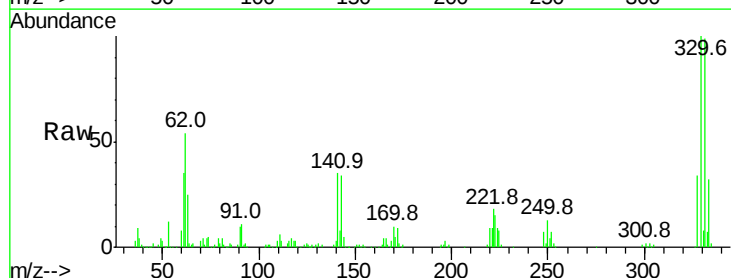
Tgt Ion:330 Resp: 207443

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

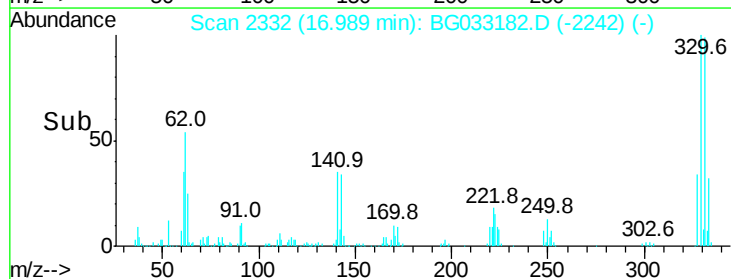
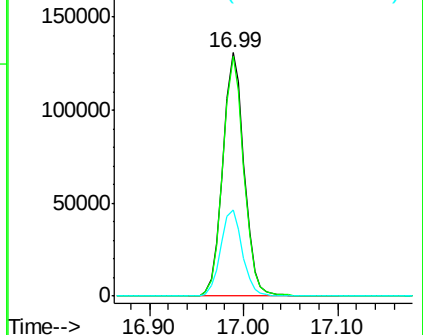
141 36.3 25.2 37.8

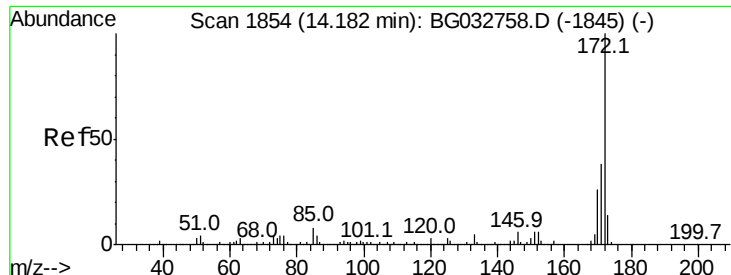


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

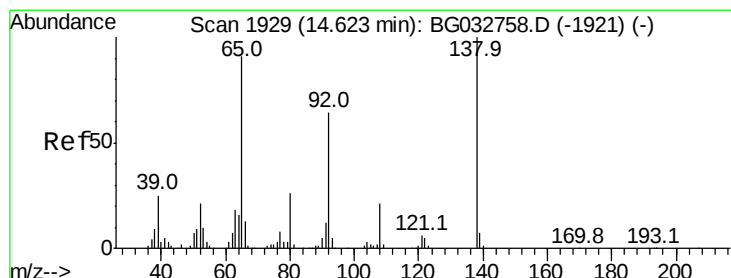
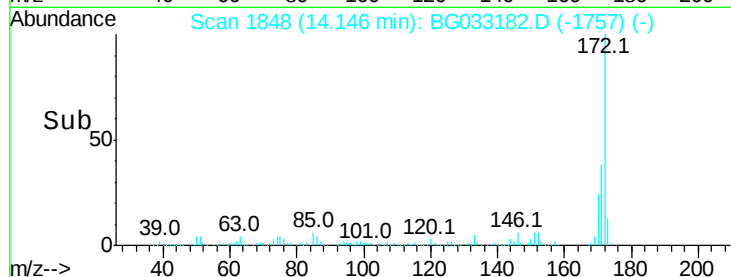
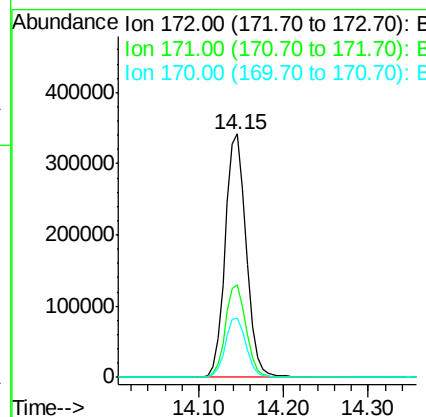
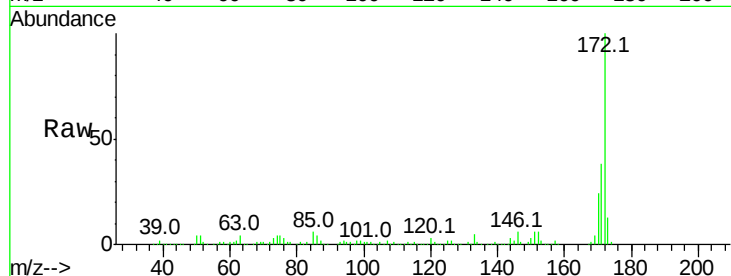




#44
2-Fluorobiphenyl
Concen: 106.098 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

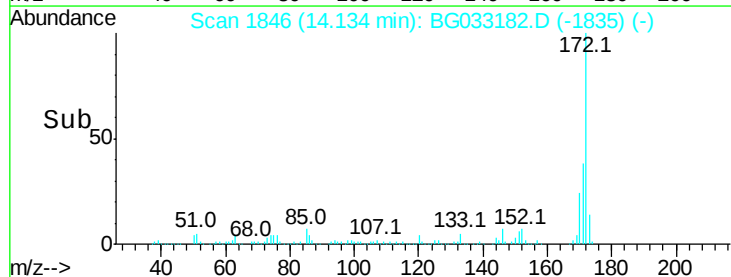
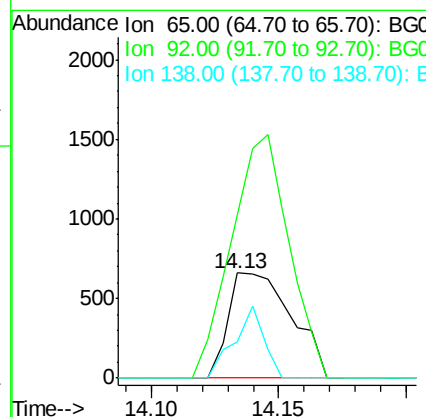
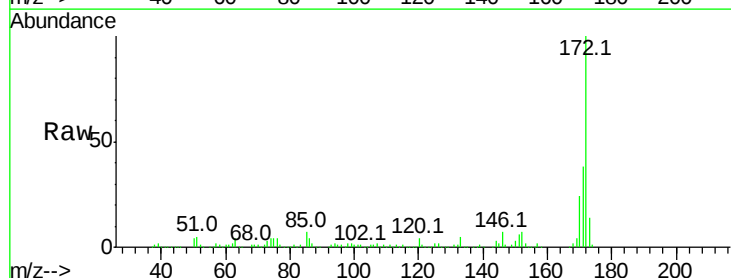
Instrument :
BNA_G
ClientSampleId :

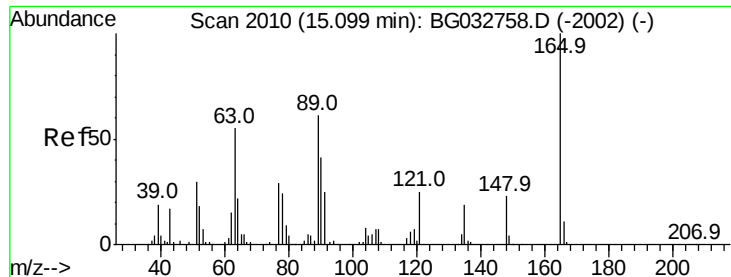
Tot Ion:172 Resp: 589882
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 24.1 19.5 29.3



#47
2-Nitroaniline
Concen: 10.525 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.47 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Tgt Ion: 65 Resp: 1144
Ion Ratio Lower Upper
65 100
92 156.1 54.6 82.0#
138 34.3 72.9 109.3#

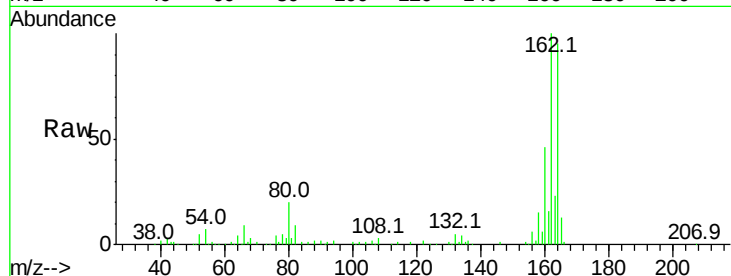




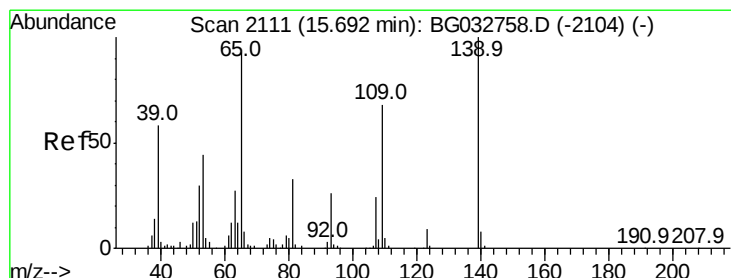
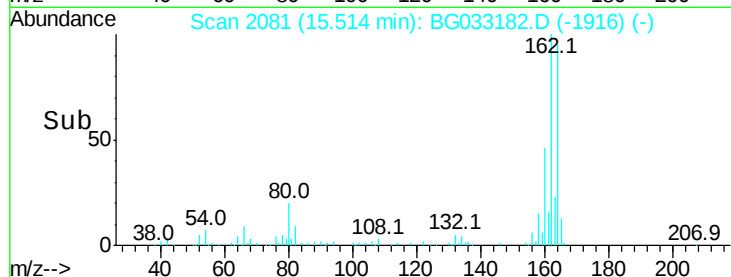
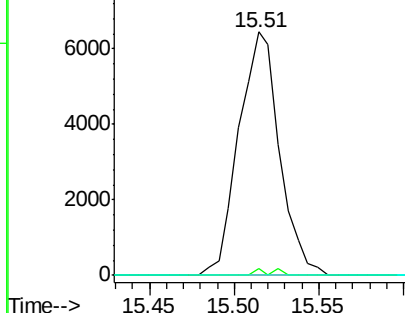
#50
2,6-Dinitrotoluene
Concen: 16.696 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 10788
Ion Ratio Lower Upper
165 100
63 2.9 52.7 79.1#
89 0.0 49.2 73.8#

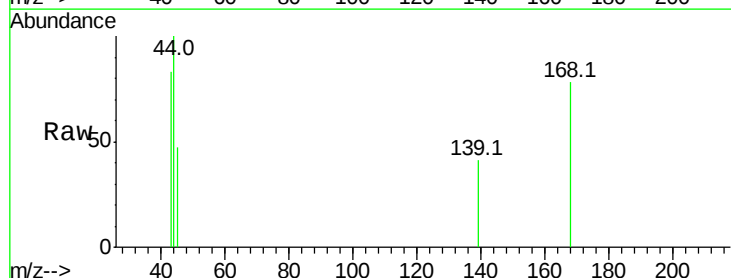


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

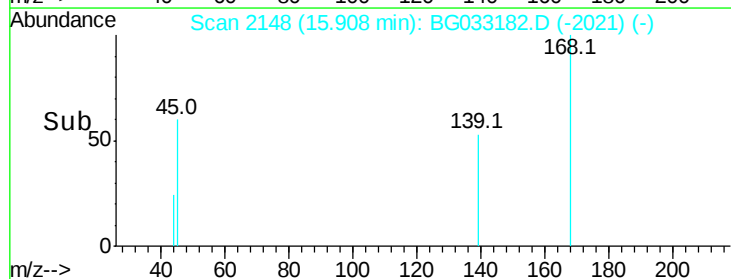
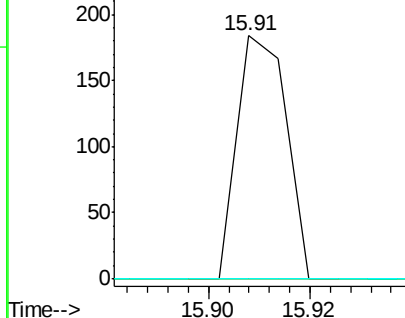


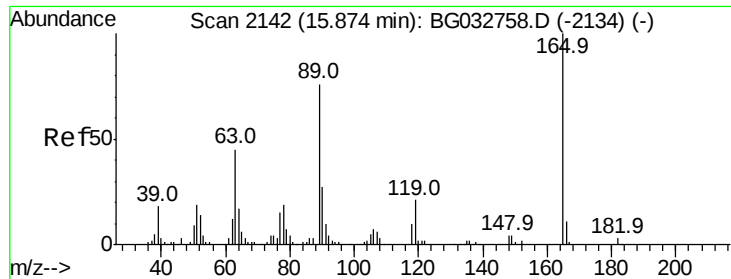
#55
4-Nitrophenol
Concen: 7.182 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.21 min
Lab File: BG033182.D
Acq: 15 Mar 2018 18:31

Tgt Ion:139 Resp: 124
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

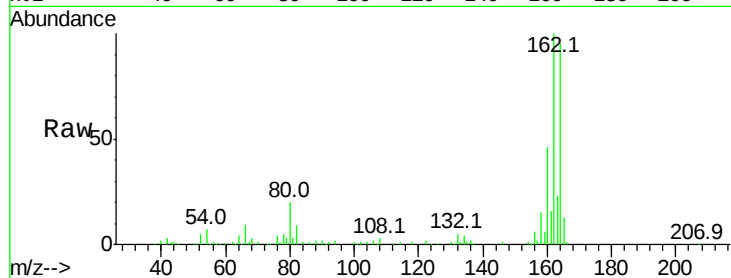




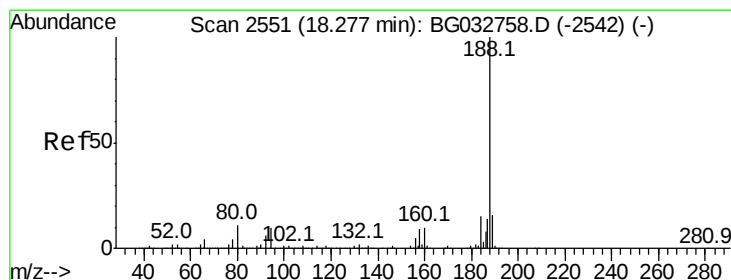
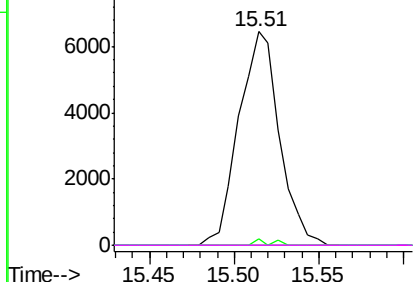
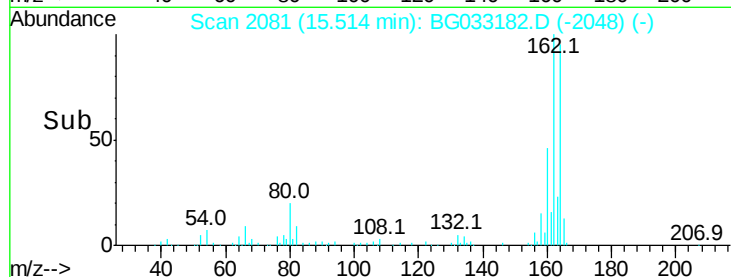
#56
 2,4-Dinitrotoluene
 Concen: 14.896 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.34 min
 Lab File: BG033182.D
 Acq: 15 Mar 2018 18:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10788
 Ion Ratio Lower Upper
 165 100
 63 2.9 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

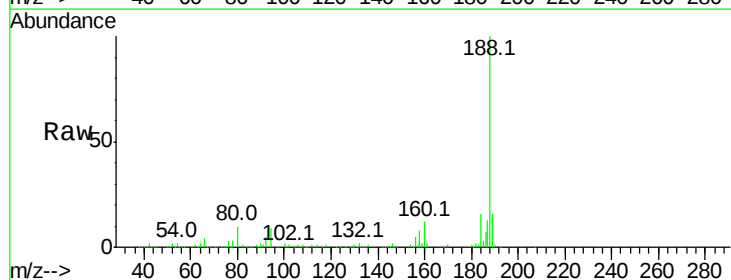


Abundance Ion 165.00 (164.70 to 165.70): E
 10000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

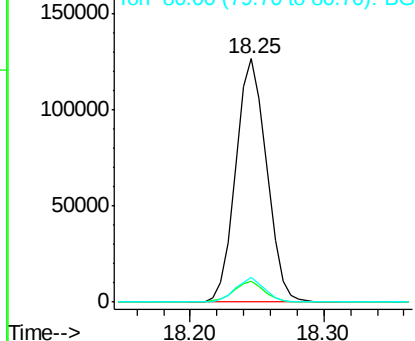
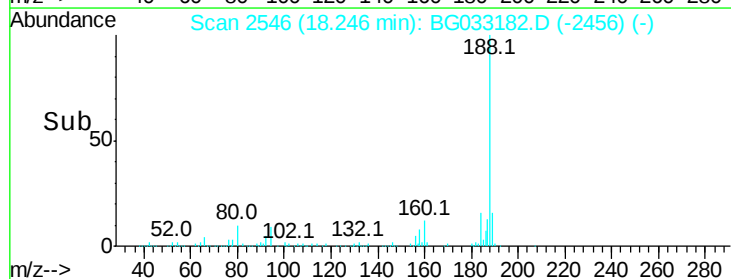


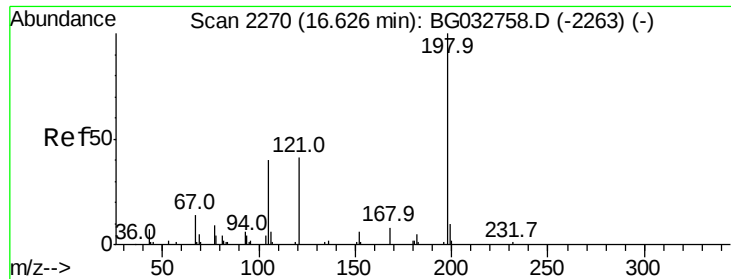
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033182.D
 Acq: 15 Mar 2018 18:31

Tgt Ion:188 Resp: 202627
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.9 10.3
 80 10.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 150000
 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: 6.172 ng

RT: 16.97 min Scan# 2329

Delta R.T. 0.36 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

Instrument :

BNA_G

ClientSampled :

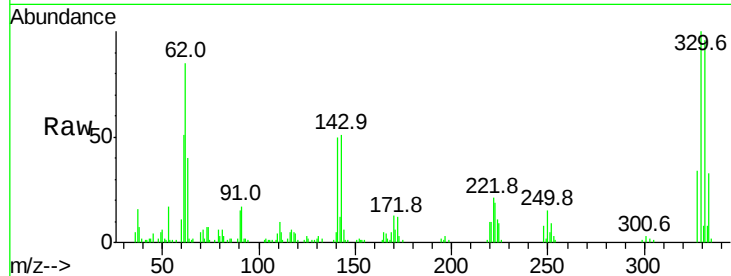
Tot Ion:198 Resp: 585

Ion Ratio Lower Upper

198 100

51 105.8 30.6 70.6#

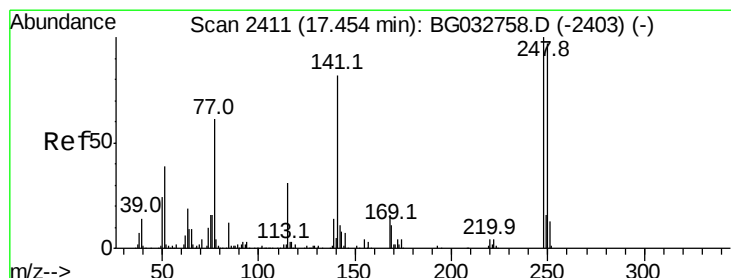
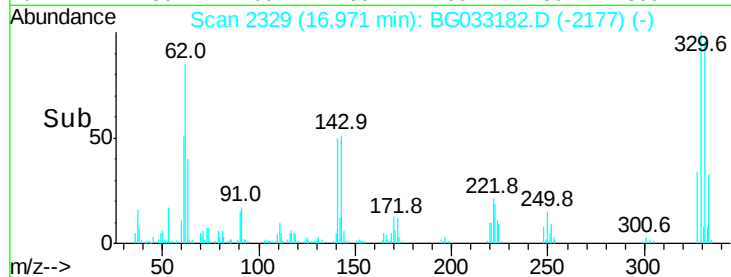
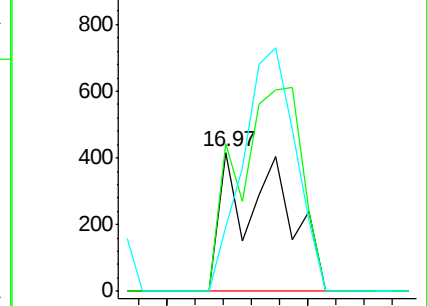
105 46.5 23.8 63.8



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: 6.232 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.43 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

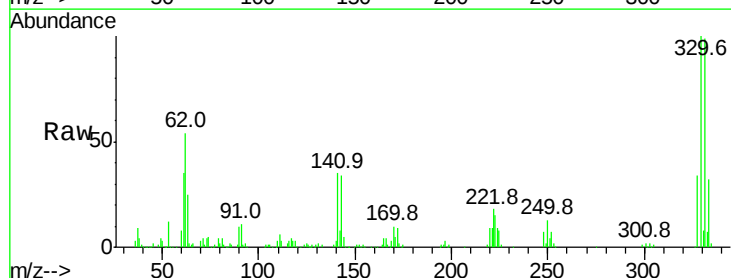
Tgt Ion:248 Resp: 13352

Ion Ratio Lower Upper

248 100

250 192.3 77.1 115.7#

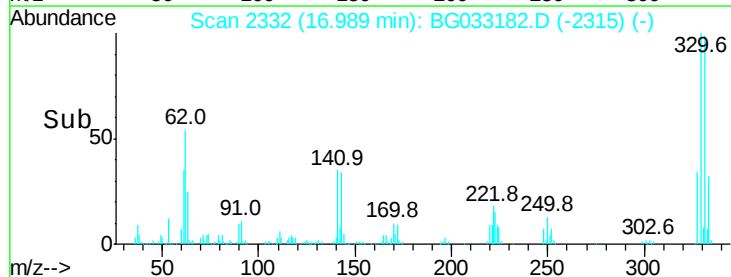
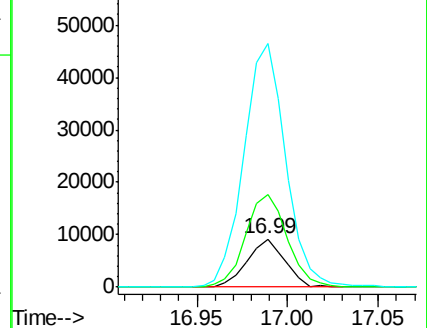
141 508.4 50.8 76.2#

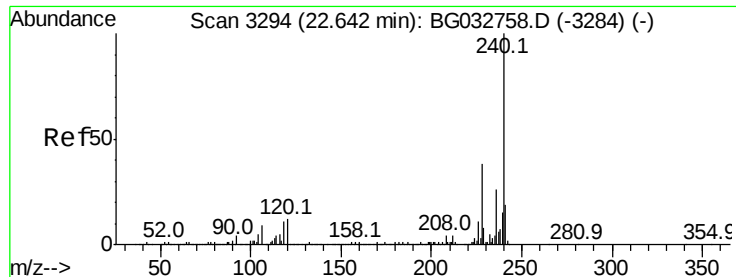


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3288

Delta R.T. -0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

Instrument :

BNA_G

ClientSampleId :

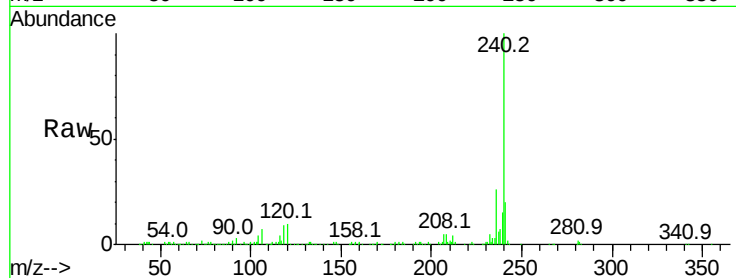
Tot Ion:240 Resp: 214798

Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.8	10.2
236	26.0	20.9	31.3

240 100

120 9.9 6.8 10.2

236 26.0 20.9 31.3



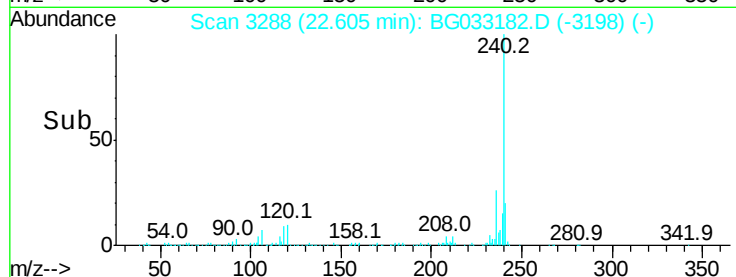
Abundance

Ion 240.00 (239.70 to 240.70): E

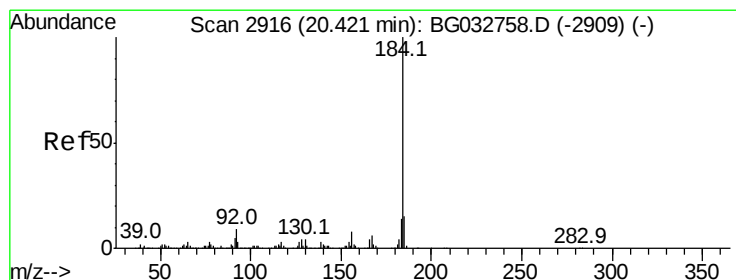
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.60



Time-->



#76

Benzidine

Concen: 2.490 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

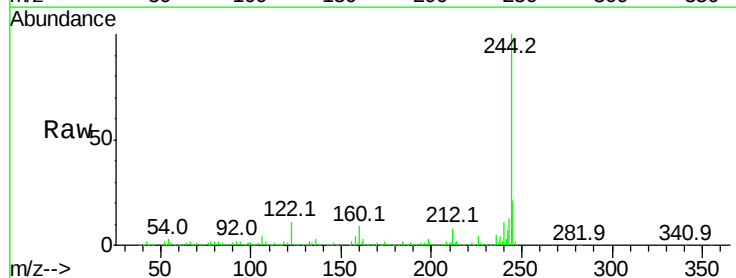
Tgt Ion:184 Resp: 18230

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.1	16.7
183	9.7	10.6	16.0#

184 100

185 13.8 11.1 16.7

183 9.7 10.6 16.0#



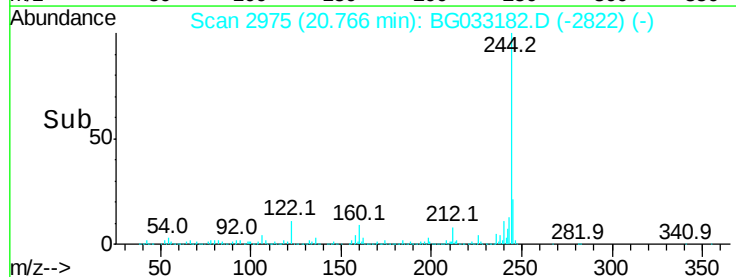
Abundance

Ion 184.00 (183.70 to 184.70): E

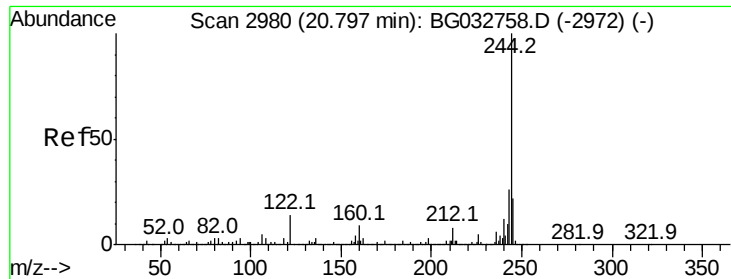
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.77



Time-->



#78

Terphenyl-d14

Concen: 111.901 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

Instrument :

BNA_G

ClientSampled :

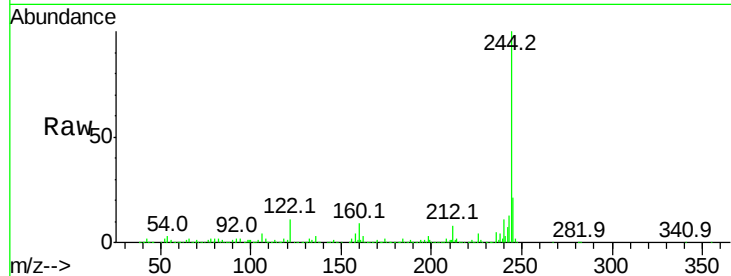
Tot Ion:244 Resp: 1069827

Ion Ratio Lower Upper

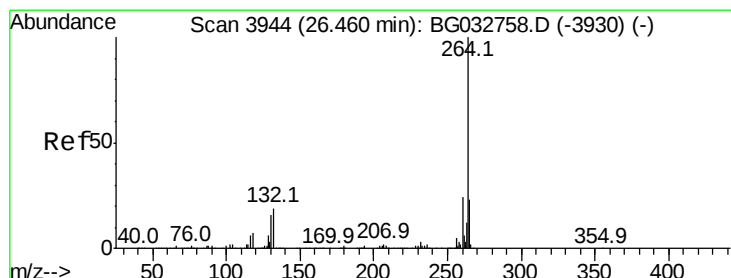
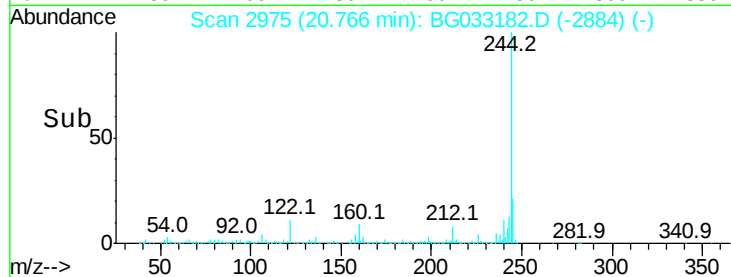
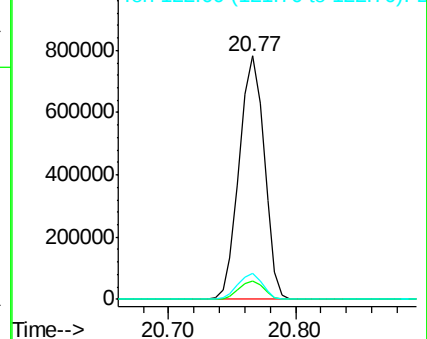
244 100

212 7.7 5.8 8.8

122 10.6 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

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033182.D

Acq: 15 Mar 2018 18:31

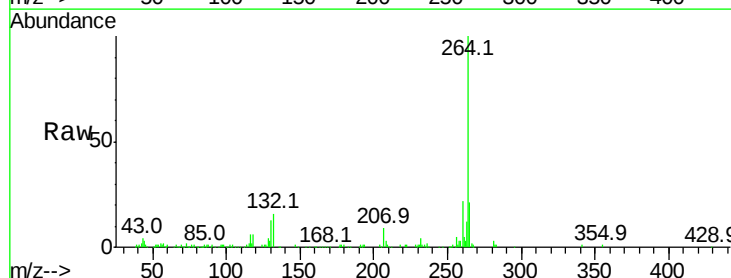
Tgt Ion:264 Resp: 235623

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 20.7 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

