

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032945.D
 Acq On : 2 Mar 2018 9:56
 Operator : SJ/JU
 Sample : J1733-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 10:58:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	61804	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	267073	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	150534	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	329946	20.00	ng	0.00
75) Chrysene-d12	22.62	240	291868	20.00	ng	0.00
86) Perylene-d12	26.44	264	264331	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	540220	139.84	ng	0.00
7) Phenol-d6	8.02	99	662064	122.95	ng	0.00
23) Nitrobenzene-d5	10.12	82	461919	115.94	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	198110	125.16	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1023994	98.11	ng	0.00
78) Terphenyl-d14	20.78	244	1417212	109.09	ng	0.00

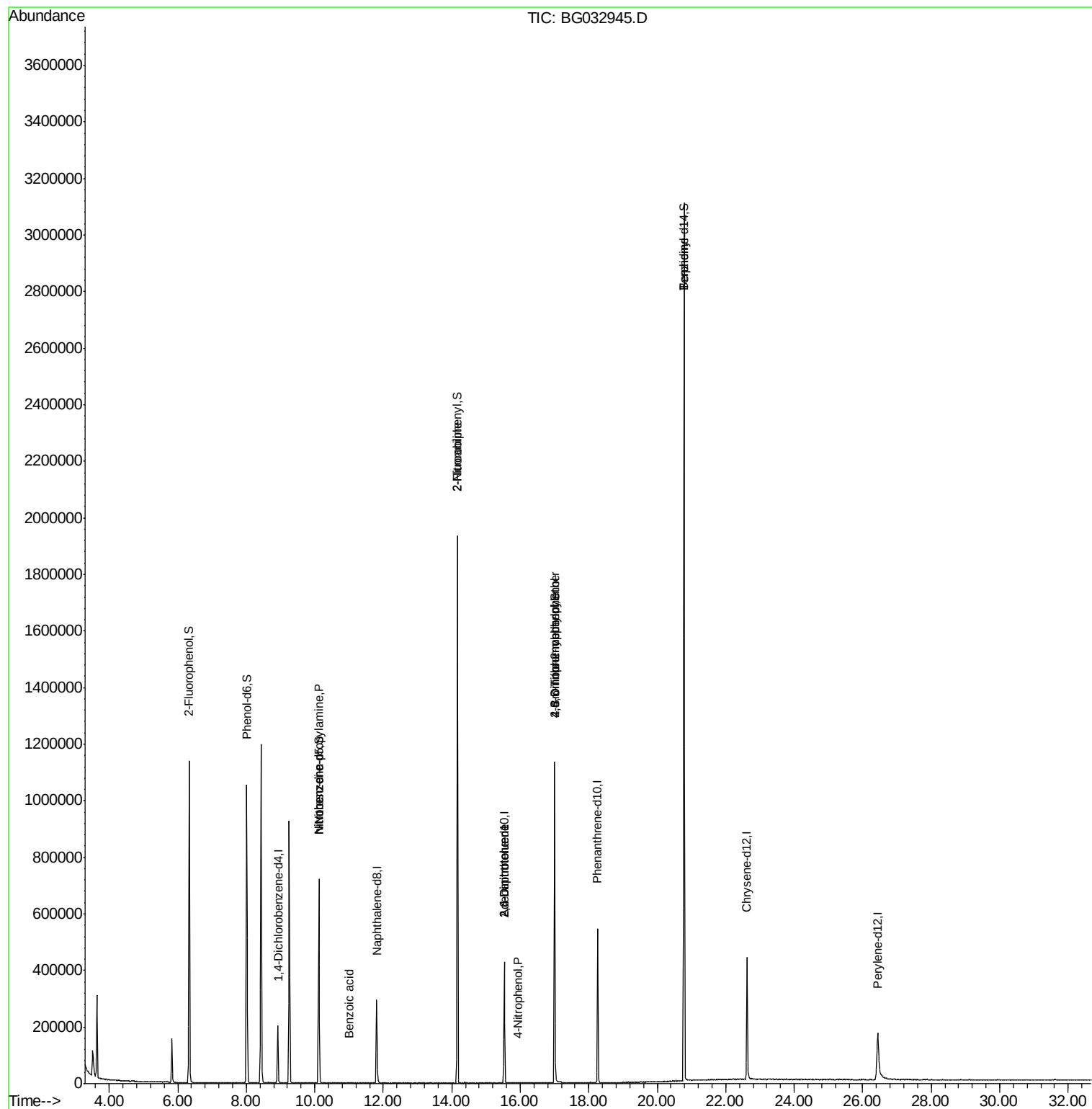
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	59757	15.720	ng	# 84
24) Nitrobenzene	10.11	77	1274	6.640	ng	# 44
32) Benzoic acid	11.01	122	296	5.957	ng	# 34
47) 2-Nitroaniline	14.16	65	1845	10.428	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	19479	16.399	ng	# 19
55) 4-Nitrophenol	15.92	139	190	7.163	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	19479	14.597	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.01	198	552	5.660	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	14725	4.221	ng	# 1
76) Benzidine	20.78	184	24947	2.508	ng	# 89

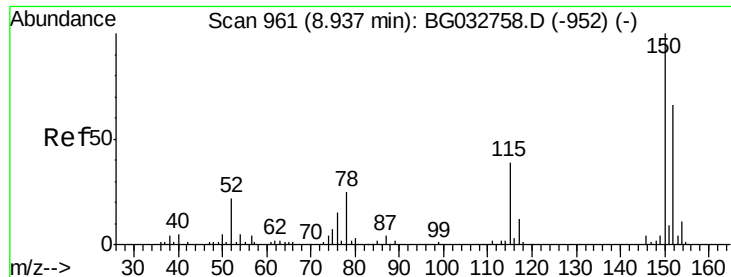
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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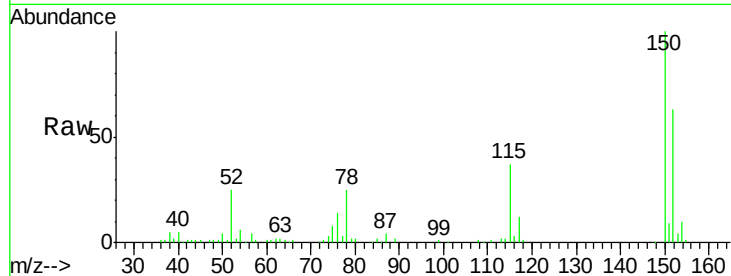


#1

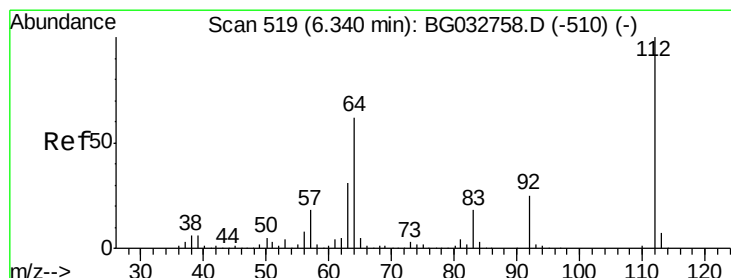
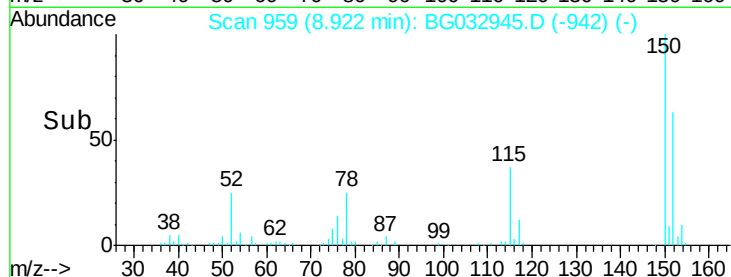
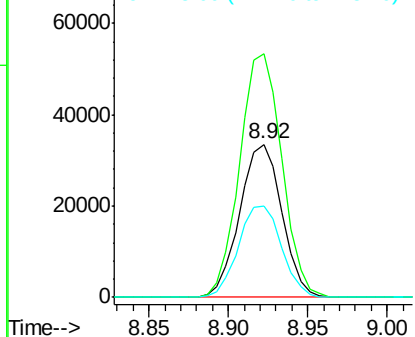
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61804
Ion Ratio Lower Upper
152 100
150 158.9 126.6 189.8
115 59.5 53.0 79.4



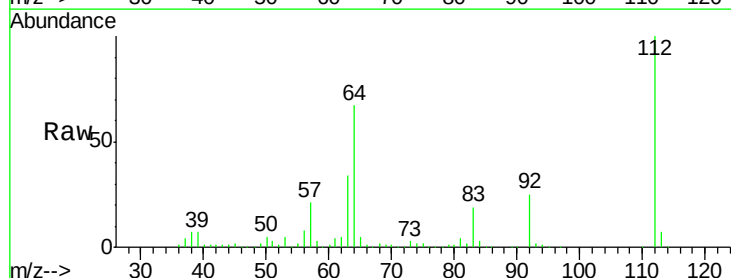
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



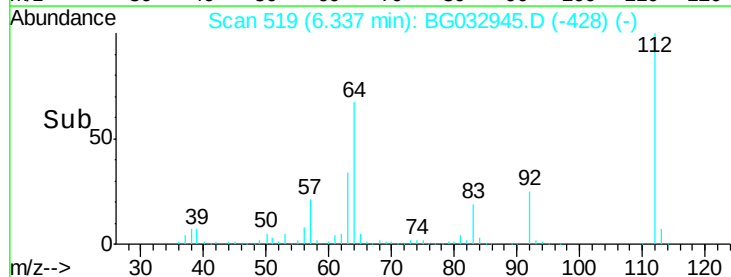
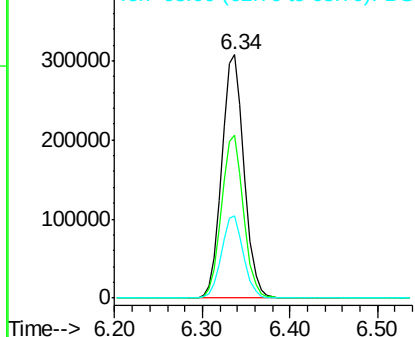
#5

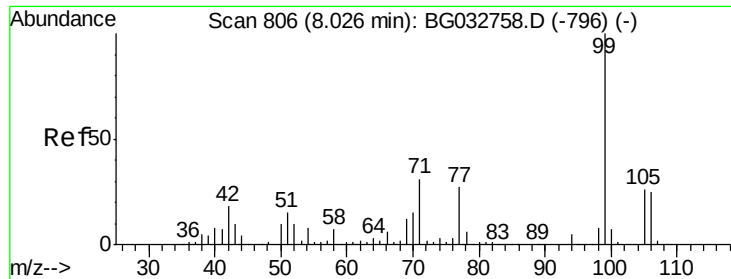
2-Fluorophenol
Concen: 139.841 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion:112 Resp: 540220
Ion Ratio Lower Upper
112 100
64 67.0 56.3 84.5
63 33.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 122.954 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

Instrument :

BNA_G

ClientSampled :

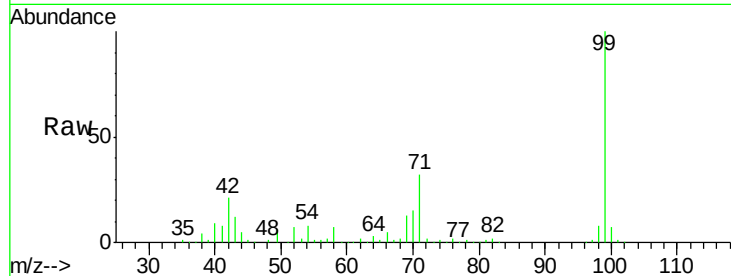
Tot Ion: 99 Resp: 662064

Ion Ratio Lower Upper

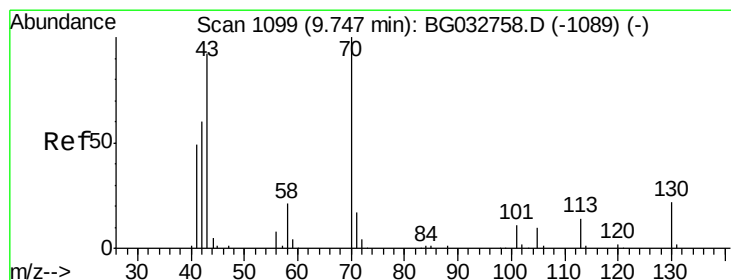
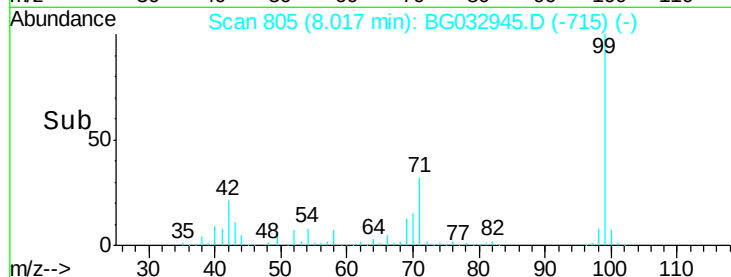
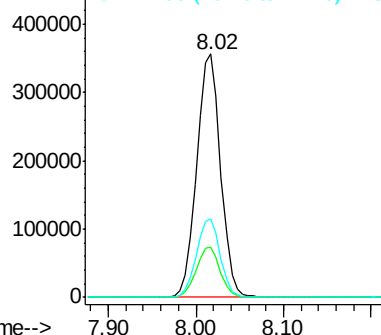
99 100

42 20.9 14.1 21.1

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.720 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

Tgt Ion: 70 Resp: 59757

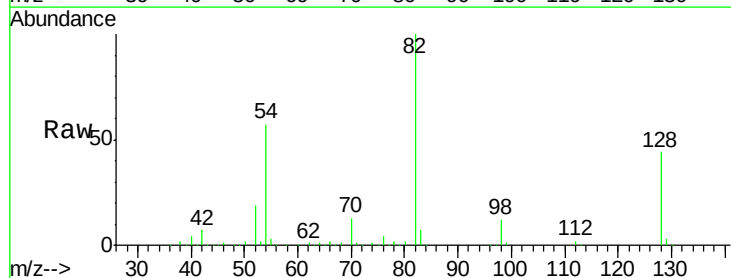
Ion Ratio Lower Upper

70 100

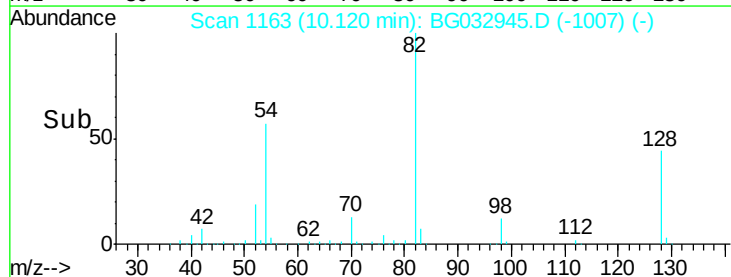
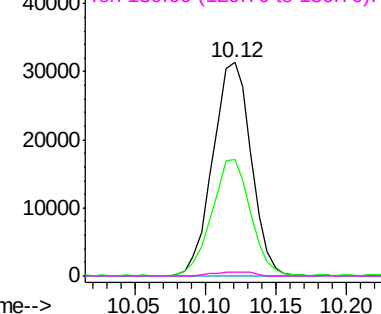
42 54.8 49.1 73.7

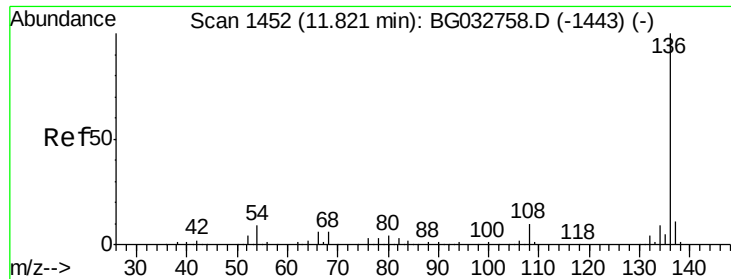
101 0.0 8.5 12.7#

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

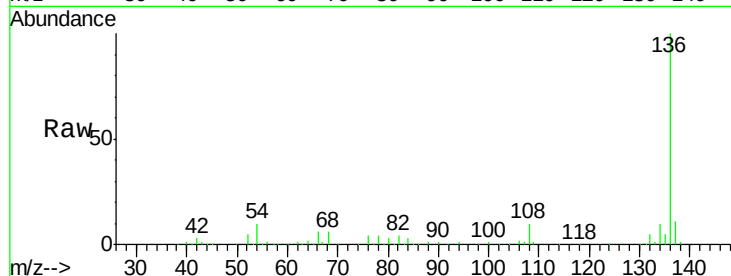




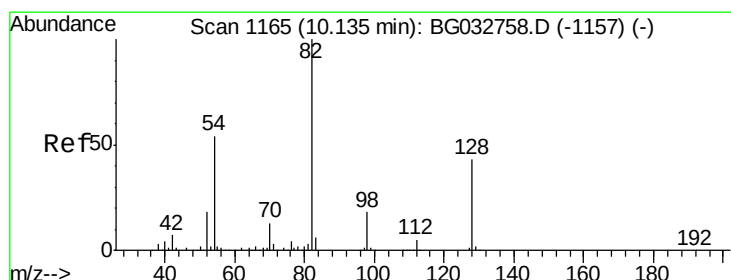
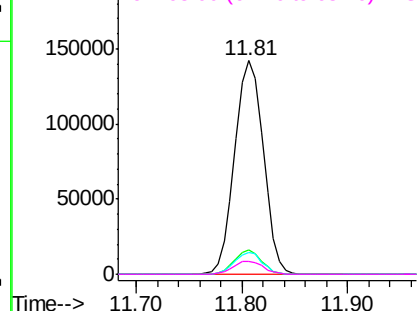
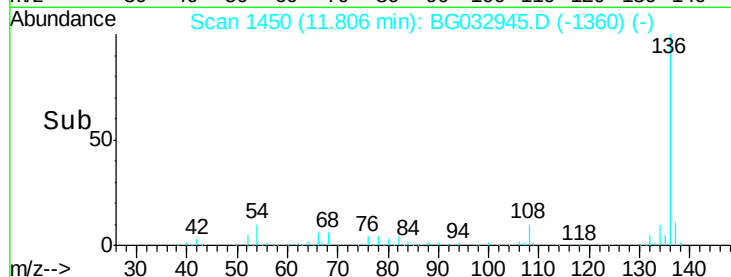
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 267073
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 10.3 15.5#
68 6.3 4.5 6.7

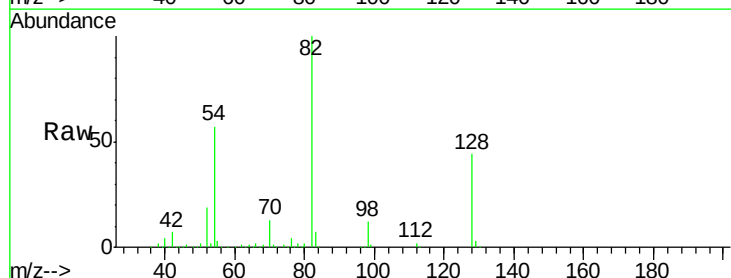


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

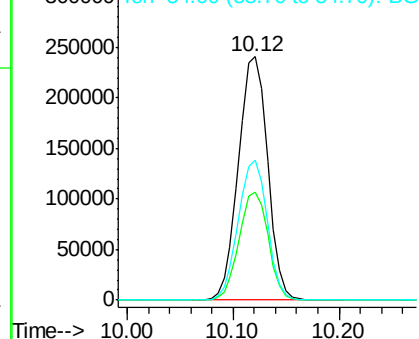
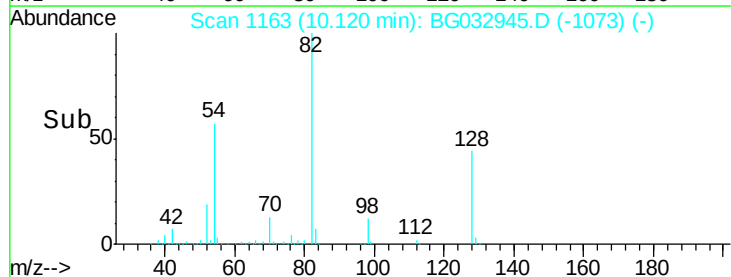


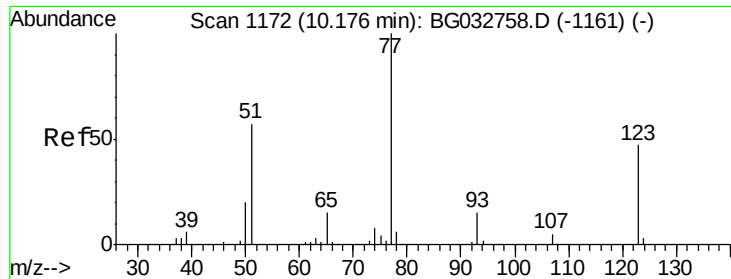
#23
Nitrobenzene-d5
Concen: 115.939 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion: 82 Resp: 461919
Ion Ratio Lower Upper
82 100
128 44.4 29.7 44.5
54 57.3 43.1 64.7



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

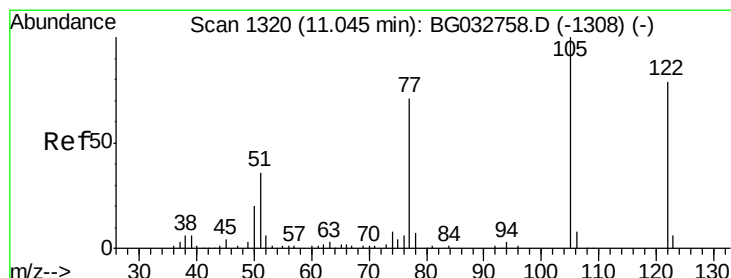
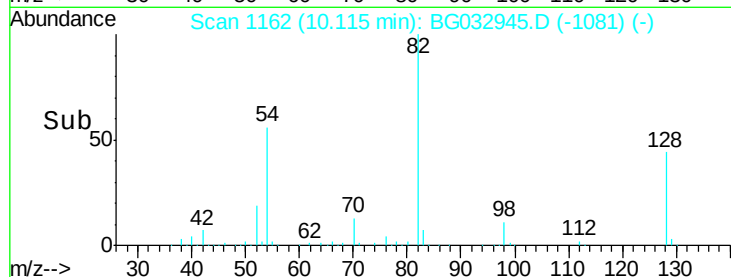
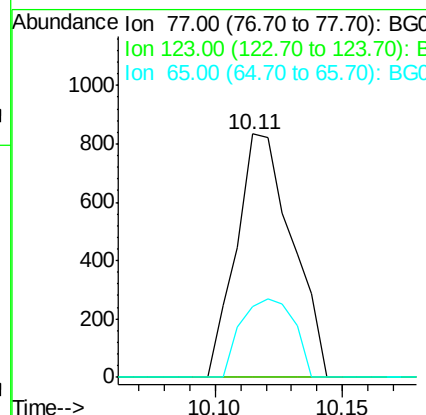
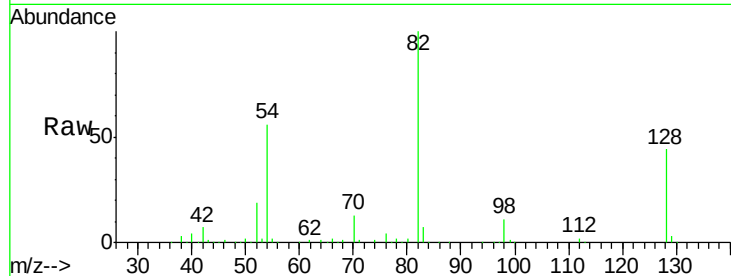




#24
 Nitrobenzene
 Concen: 6.640 ng
 RT: 10.11 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032945.D
 Acq: 2 Mar 2018 9:56

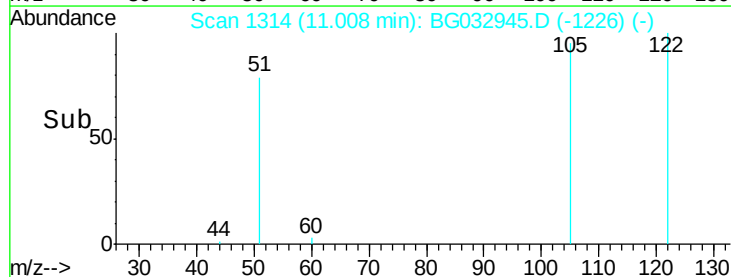
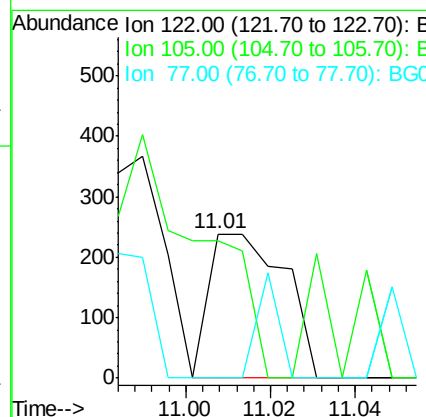
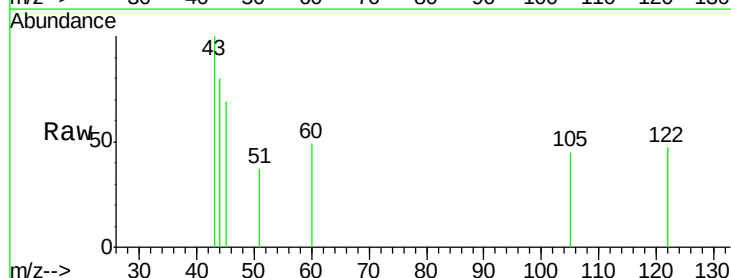
Instrument :
 BNA_G
 ClientSampleId :

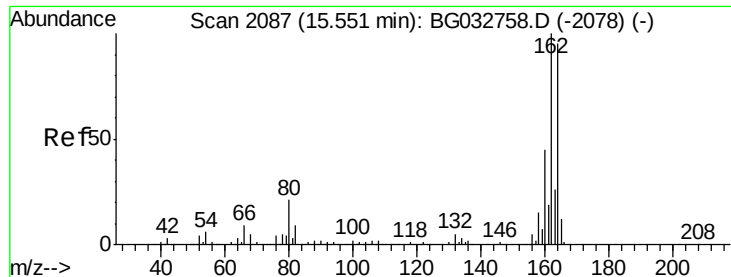
Tot Ion: 77 Resp: 1274
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 29.1 13.0 19.6#



#32
 Benzoic acid
 Concen: 5.957 ng
 RT: 11.01 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BG032945.D
 Acq: 2 Mar 2018 9:56

Tgt Ion: 122 Resp: 296
 Ion Ratio Lower Upper
 122 100
 105 95.4 123.5 163.5#
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

Instrument :

BNA_G

ClientSampleId :

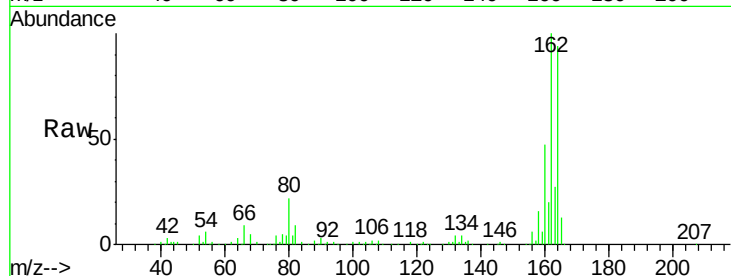
Tot Ion:164 Resp: 150534

Ion Ratio Lower Upper

164 100

162 105.9 78.8 118.2

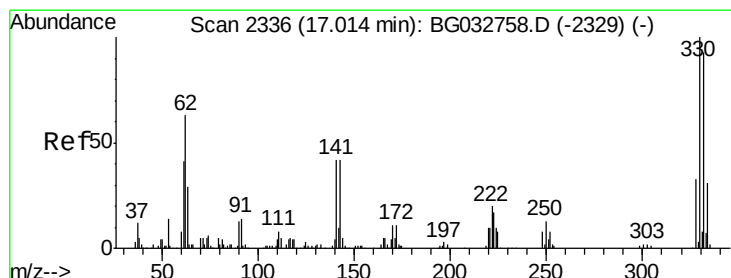
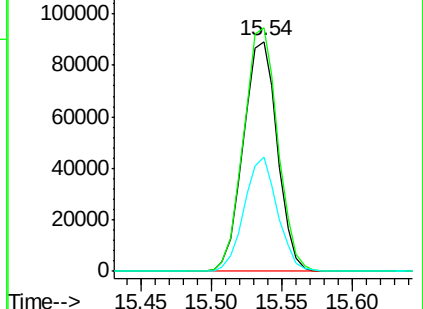
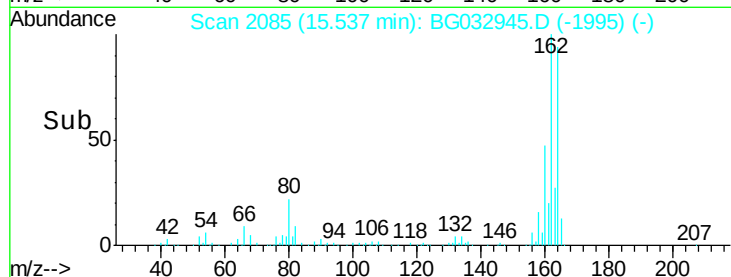
160 49.6 35.4 53.0



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: 125.163 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

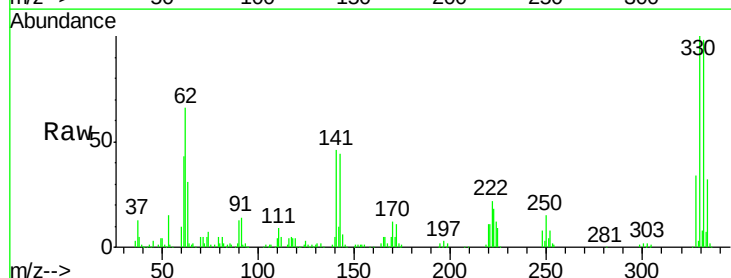
Tgt Ion:330 Resp: 198110

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

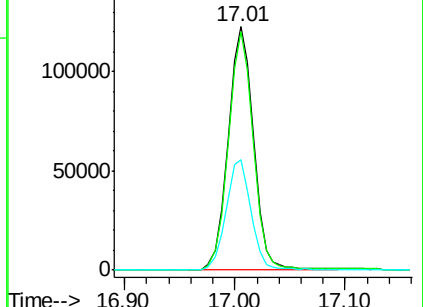
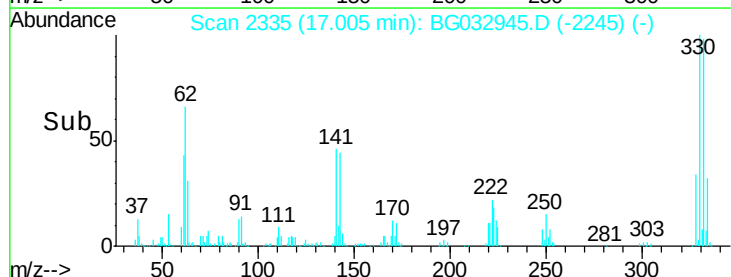
141 44.7 25.2 37.8#

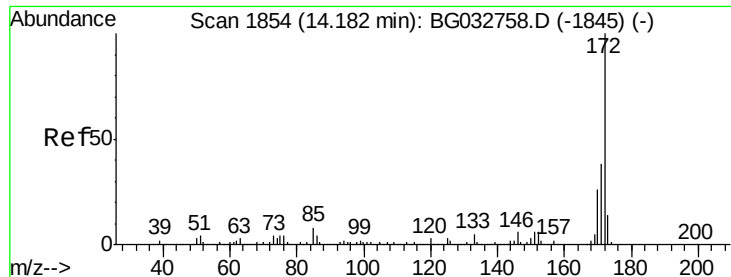


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

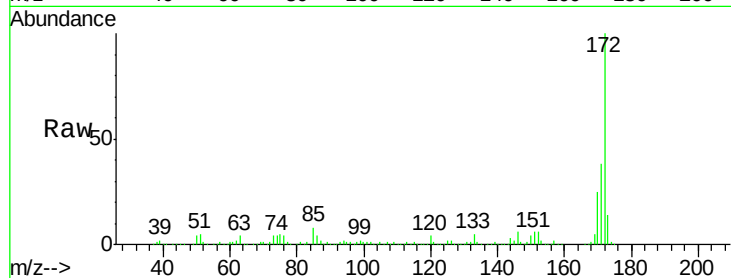




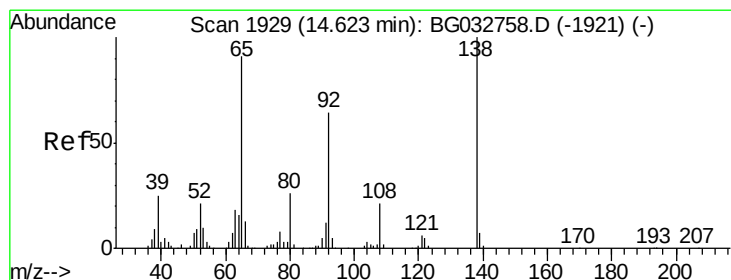
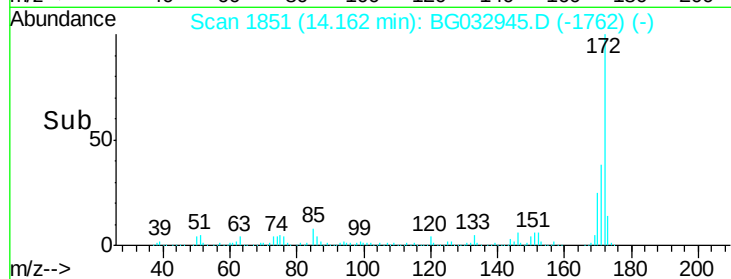
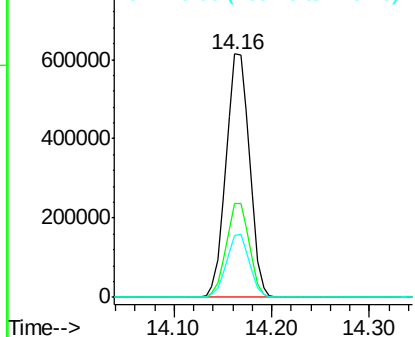
#44
2-Fluorobiphenyl
Concen: 98.108 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1023994
Ion Ratio Lower Upper
172 100
171 38.3 30.0 45.0
170 25.4 19.5 29.3

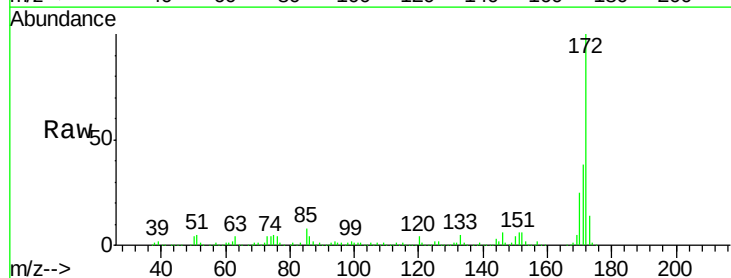


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

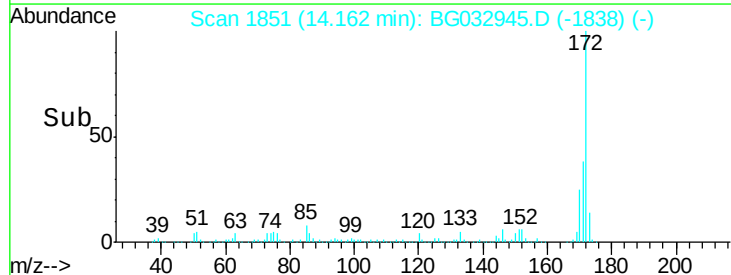
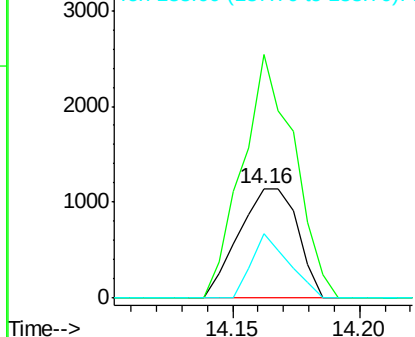


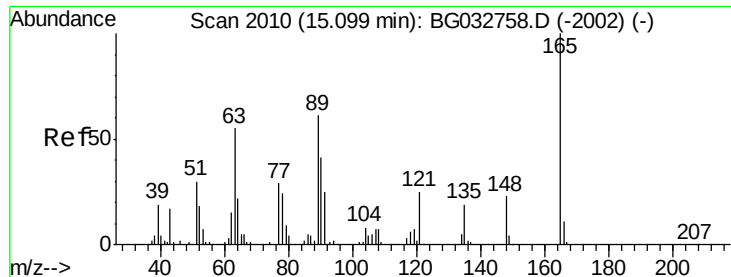
#47
2-Nitroaniline
Concen: 10.428 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.45 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion: 65 Resp: 1845
Ion Ratio Lower Upper
65 100
92 222.7 54.6 82.0#
138 59.2 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

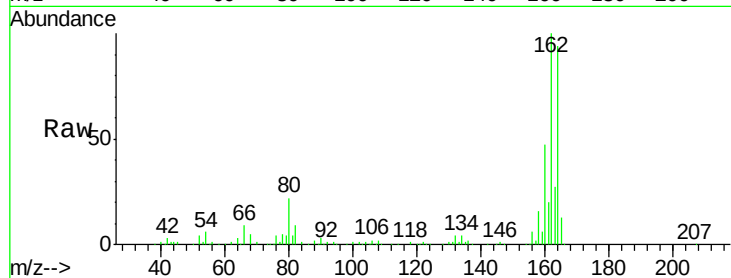




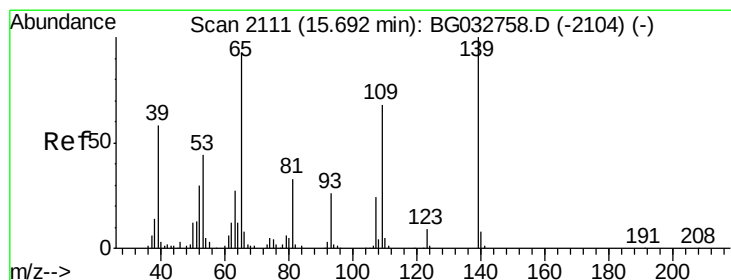
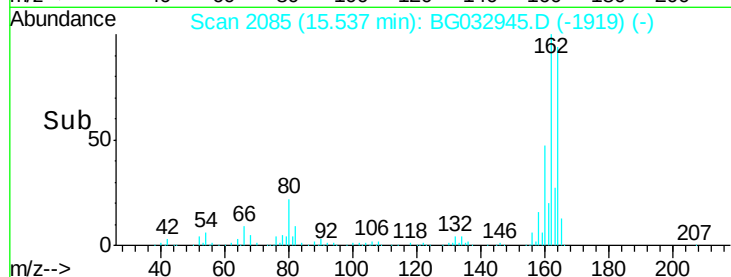
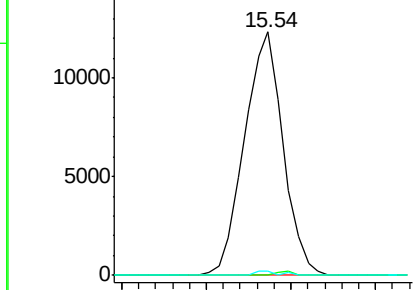
#50
2,6-Dinitrotoluene
Concen: 16.399 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 19479
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 49.2 73.8#

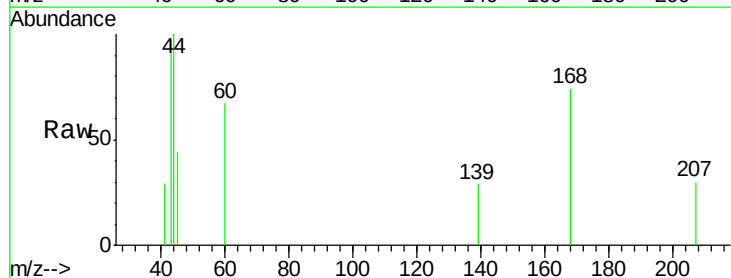


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

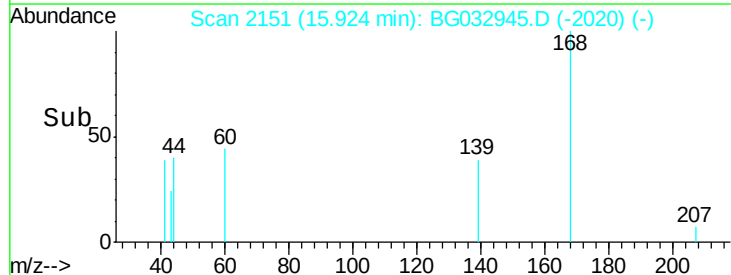
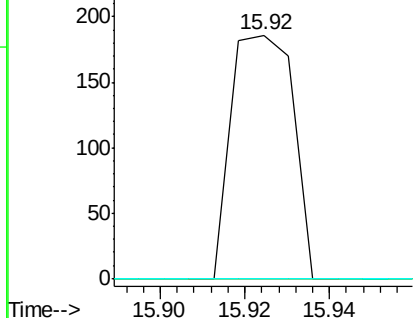


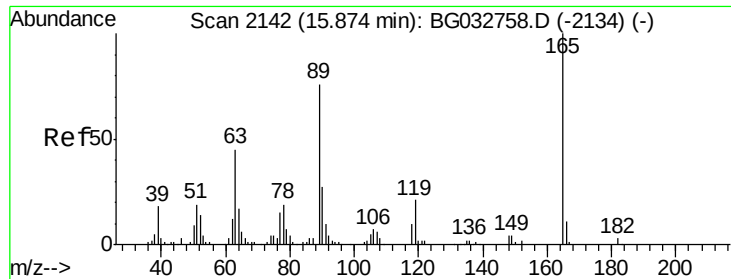
#55
4-Nitrophenol
Concen: 7.163 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion:139 Resp: 190
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): BGO

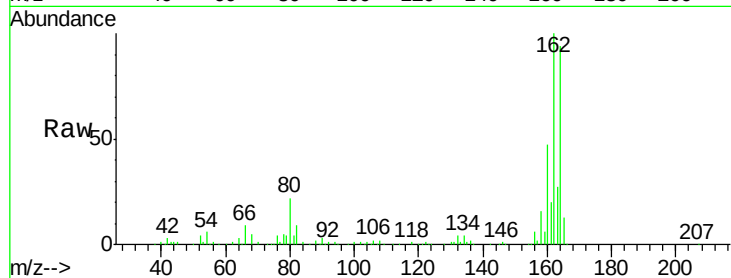




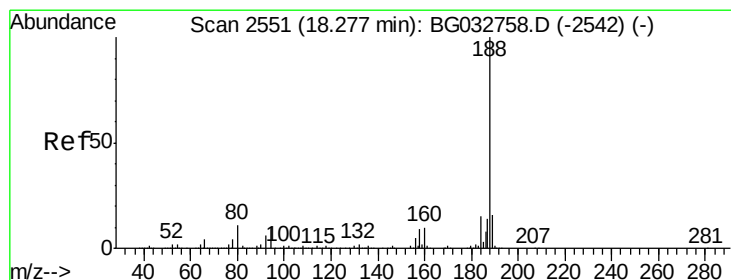
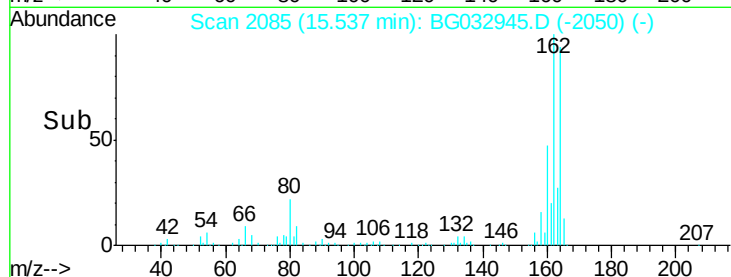
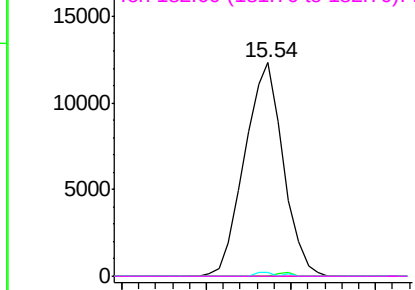
#56
2,4-Dinitrotoluene
Concen: 14.597 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.32 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 19479
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.7 66.9 100.3#
182 0.0 2.6 3.8#

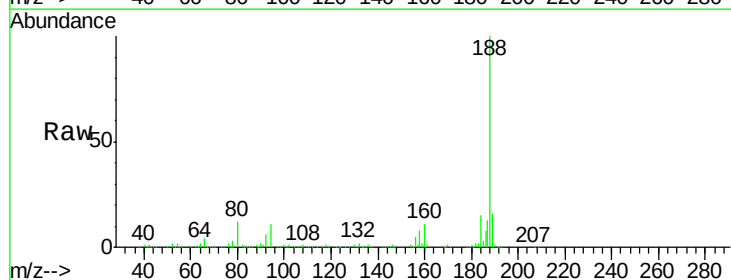


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

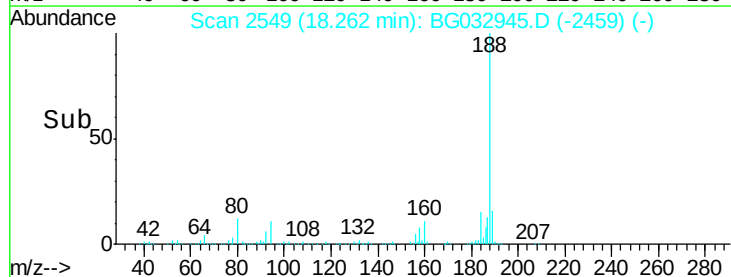
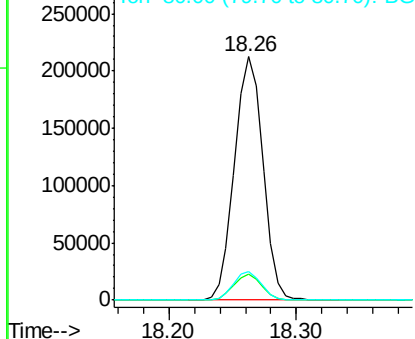


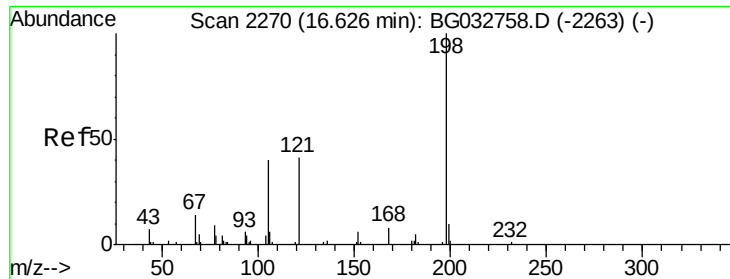
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. 0.00 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion:188 Resp: 329946
Ion Ratio Lower Upper
188 100
94 10.5 6.9 10.3#
80 11.9 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

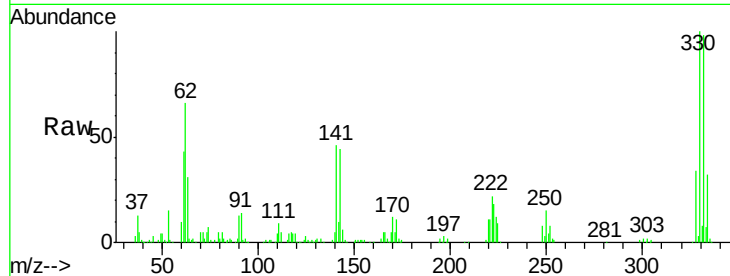




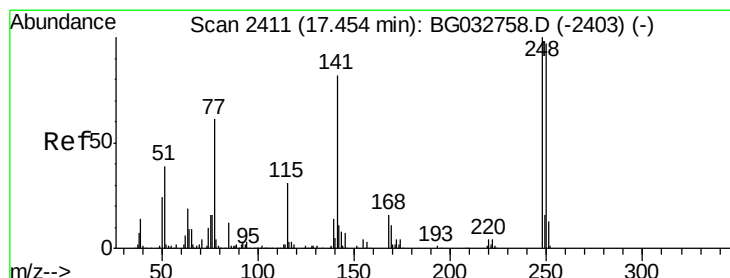
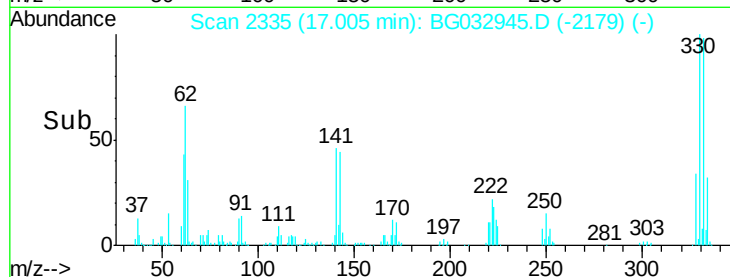
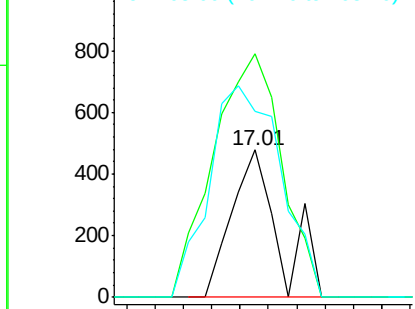
#64
4,6-Dinitro-2-methylphenol
Concen: 5.660 ng
RT: 17.01 min Scan# 2335
Delta R.T. 0.39 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 552
Ion Ratio Lower Upper
198 100
51 165.6 30.6 70.6#
105 126.4 23.8 63.8#

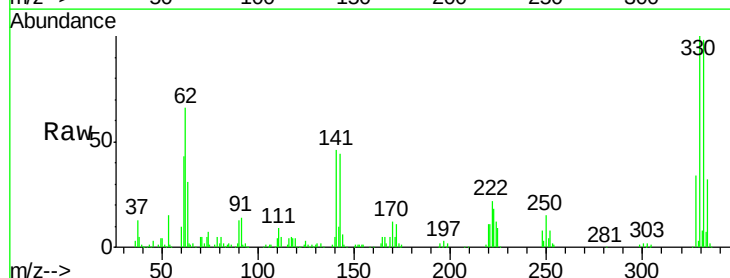


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

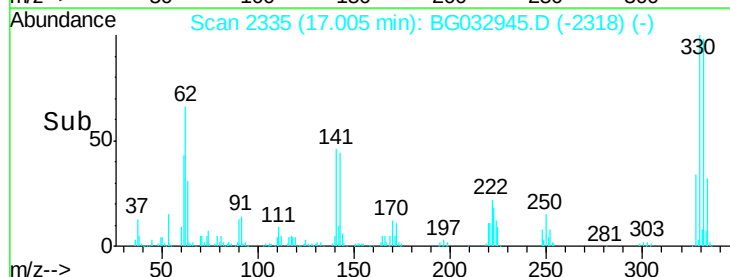
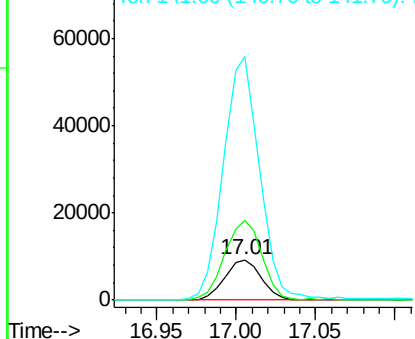


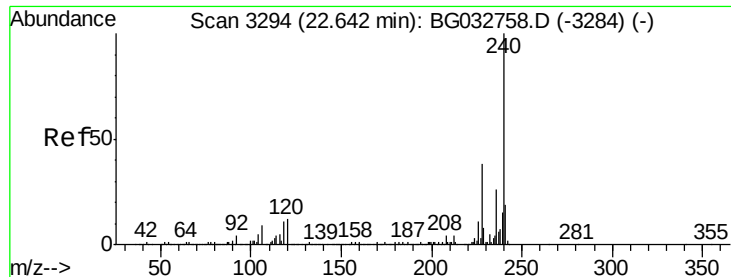
#66
4-Bromophenyl-phenylether
Concen: 4.221 ng
RT: 17.01 min Scan# 2335
Delta R.T. -0.43 min
Lab File: BG032945.D
Acq: 2 Mar 2018 9:56

Tgt Ion:248 Resp: 14725
Ion Ratio Lower Upper
248 100
250 197.0 77.1 115.7#
141 597.5 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: 22.62 min Scan# 3291

Delta R.T. 0.00 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

Instrument :

BNA_G

ClientSampleId :

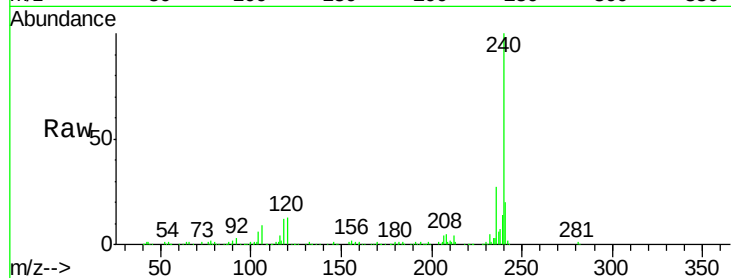
Tot Ion:240 Resp: 291868

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

236 26.7 20.9 31.3



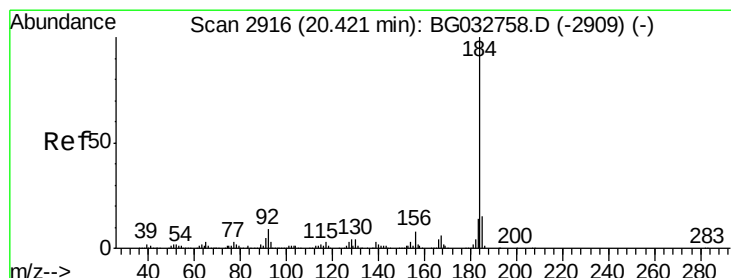
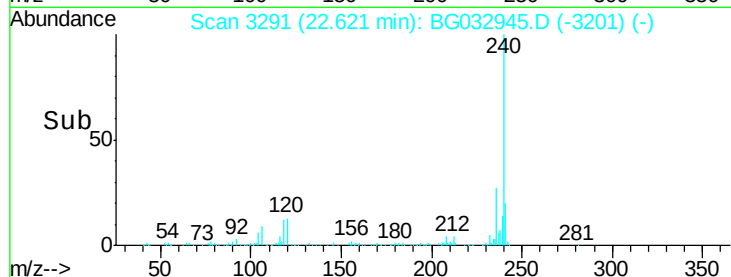
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.62

Time-->



#76

Benzidine

Concen: 2.508 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

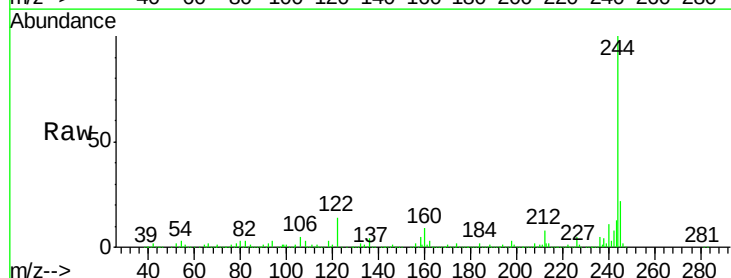
Tgt Ion:184 Resp: 24947

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

183 8.3 10.6 16.0#



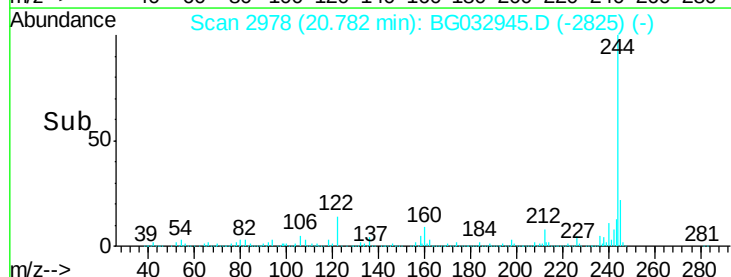
Abundance Ion 184.00 (183.70 to 184.70): E

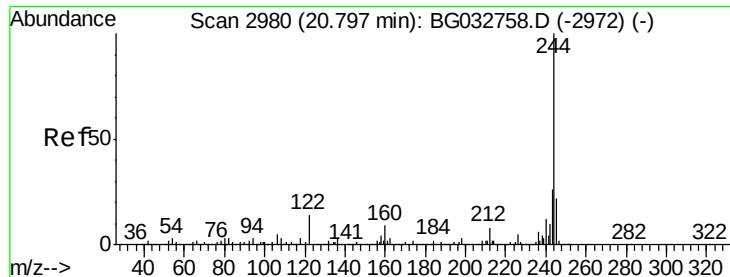
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.78

Time-->





#78

Terphenyl-d14

Concen: 109.094 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

Instrument :

BNA_G

ClientSampled :

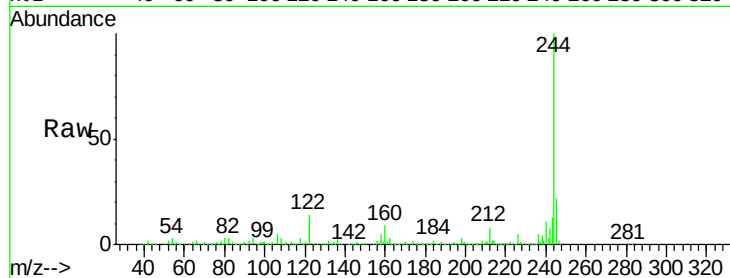
Tot Ion:244 Resp: 1417212

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

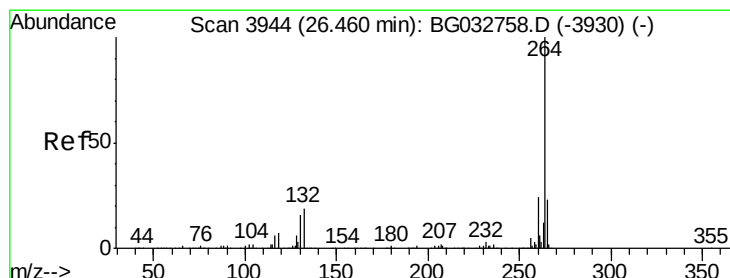
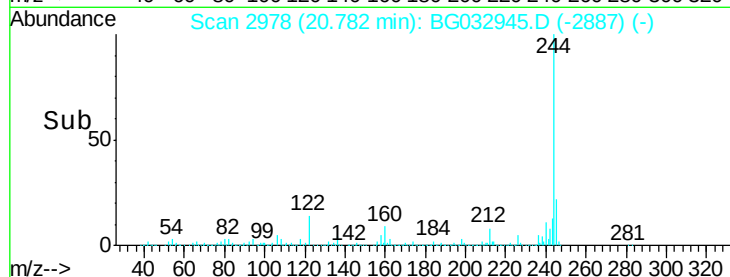
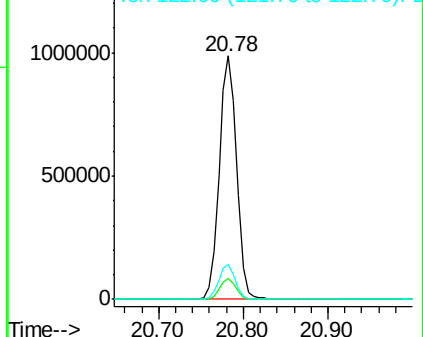
122 14.3 7.0 10.4#



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: 26.44 min Scan# 3941

Delta R.T. 0.01 min

Lab File: BG032945.D

Acq: 2 Mar 2018 9:56

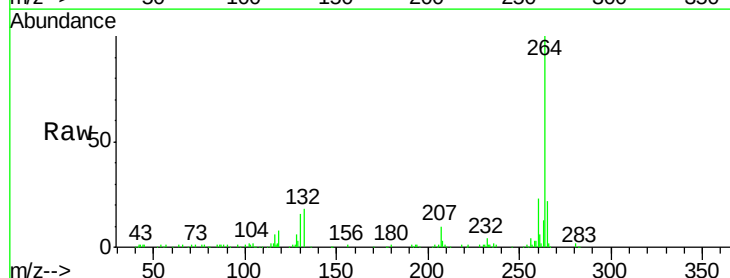
Tgt Ion:264 Resp: 264331

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 22.2 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

