

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032919.D
 Acq On : 1 Mar 2018 16:20
 Operator : SJ/JU
 Sample : J1402-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 17:39:58 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	67193	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	293222	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	163698	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	366728	20.00	ng	0.00
75) Chrysene-d12	22.61	240	334426	20.00	ng	0.00
86) Perylene-d12	26.42	264	316784	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	568657	135.40	ng	0.00
7) Phenol-d6	8.02	99	680133	116.18	ng	0.00
23) Nitrobenzene-d5	10.12	82	527080	120.11	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	259101	150.53	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1154473	101.71	ng	0.00
78) Terphenyl-d14	20.78	244	1584787	106.47	ng	0.00

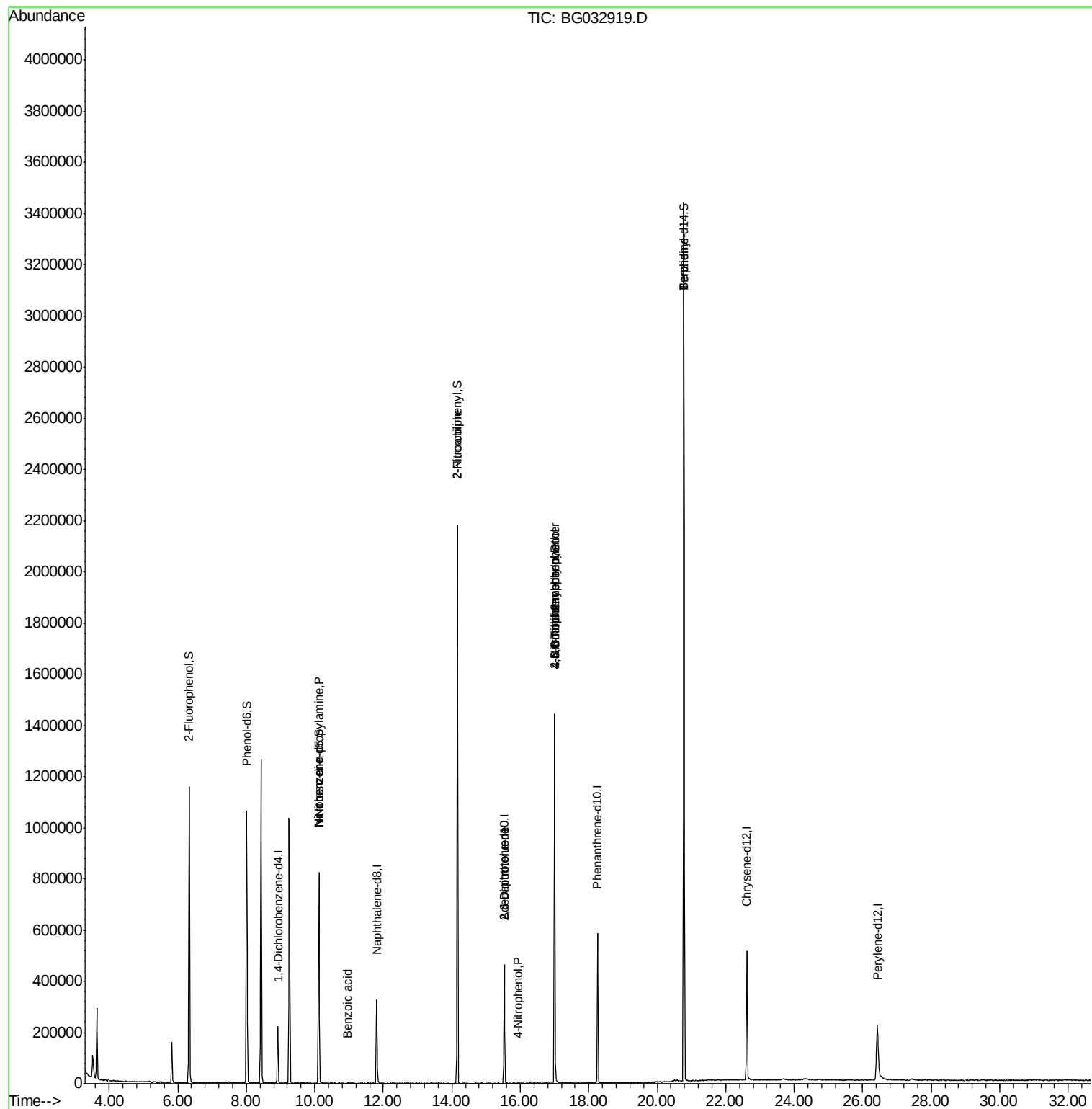
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	68428	16.557	ng	# 79
24) Nitrobenzene	10.12	77	1526	6.663	ng	# 38
32) Benzoic acid	10.97	122	224	5.913	ng	# 15
47) 2-Nitroaniline	14.16	65	2385	10.539	ng	# 7
50) 2,6-Dinitrotoluene	15.53	165	20914	16.304	ng	# 18
55) 4-Nitrophenol	15.92	139	185	7.155	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	20914	14.501	ng	# 16
61) 4-Nitroaniline	17.01	138	59	5.317	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	850	5.932	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18455	4.759	ng	# 1
76) Benzidine	20.78	184	27677	2.428	ng	# 95

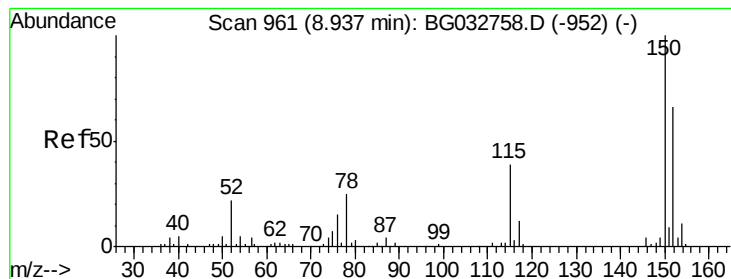
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG030118\
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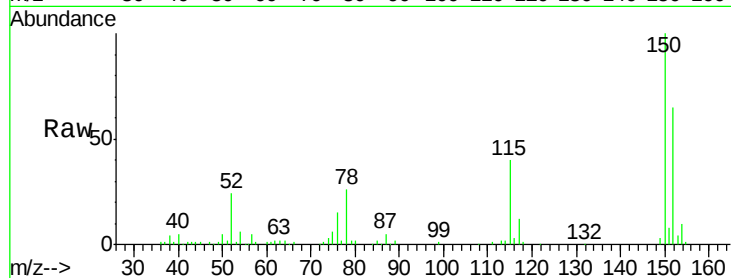


#1

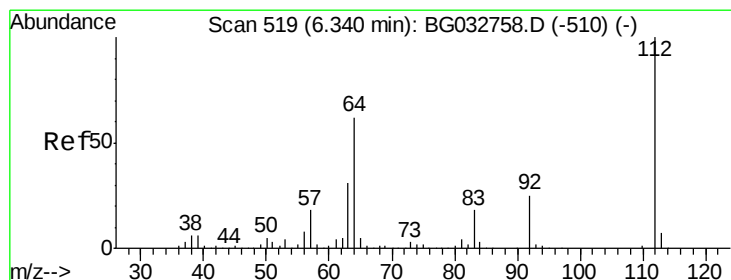
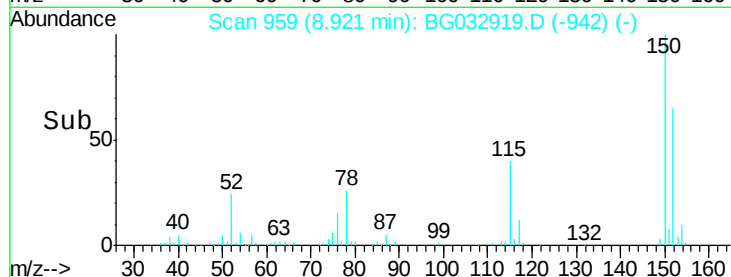
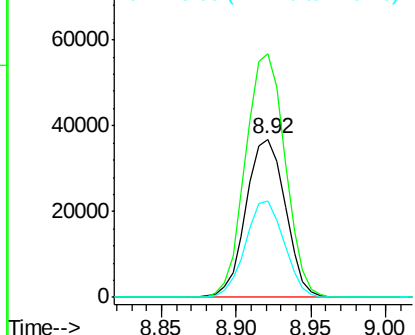
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 67193
Ion Ratio Lower Upper
152 100
150 153.9 126.6 189.8
115 61.1 53.0 79.4



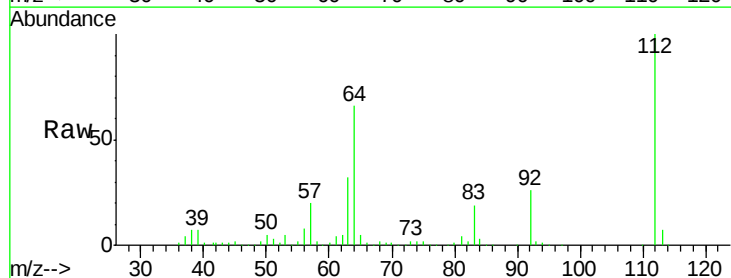
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



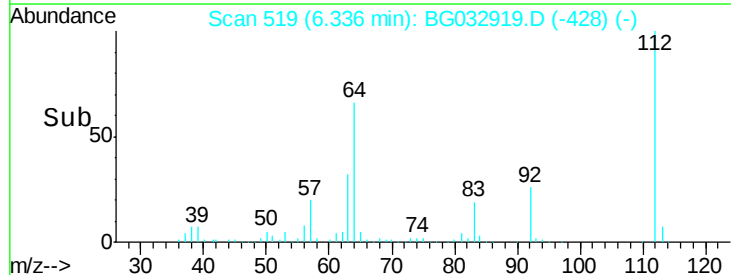
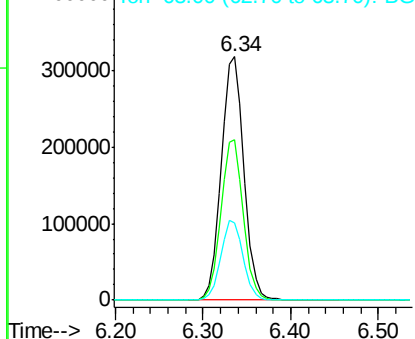
#5

2-Fluorophenol
Concen: 135.396 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Tgt Ion:112 Resp: 568657
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 31.8 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: 116.180 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Instrument :

BNA_G

ClientSampleId :

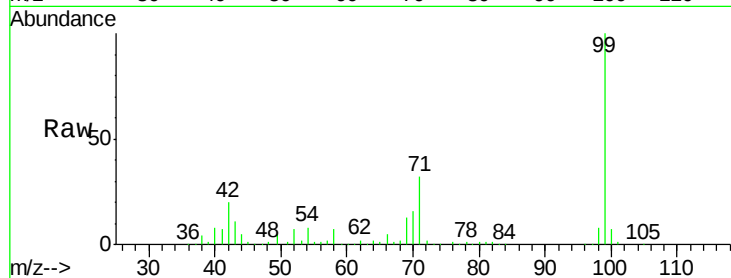
Tot Ion: 99 Resp: 680133

Ion Ratio Lower Upper

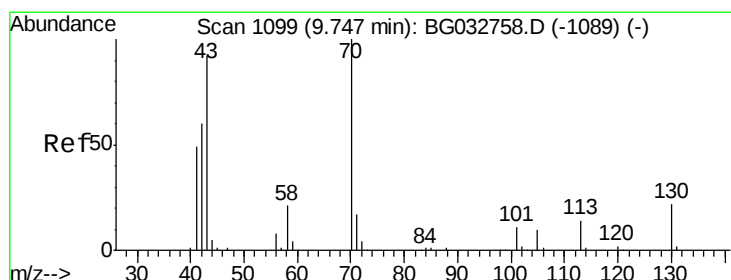
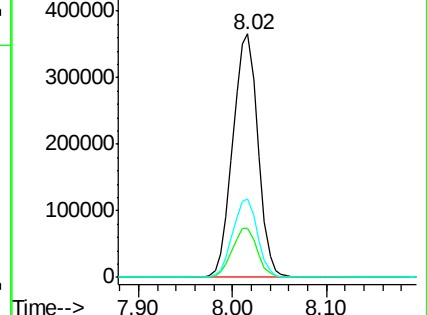
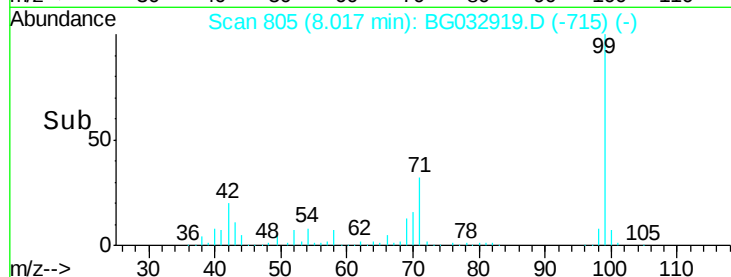
99 100

42 20.3 14.1 21.1

71 32.1 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: 16.557 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Tgt Ion: 70 Resp: 68428

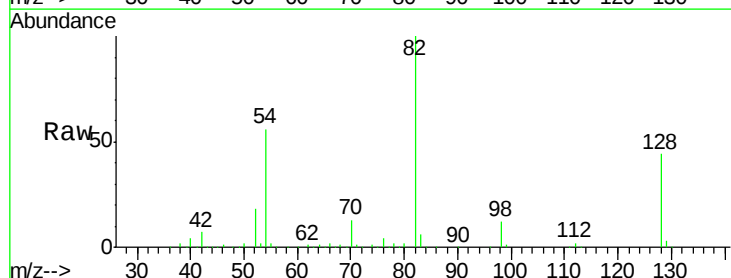
Ion Ratio Lower Upper

70 100

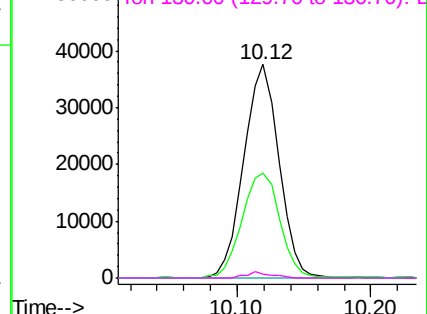
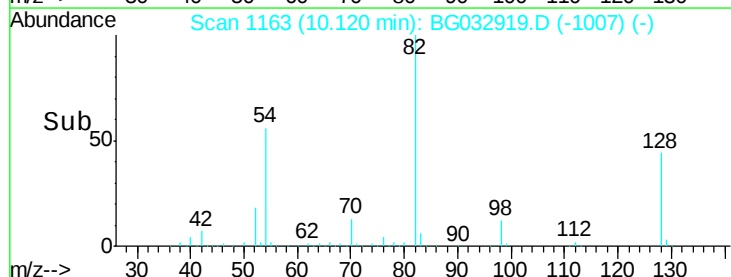
42 49.0 49.1 73.7#

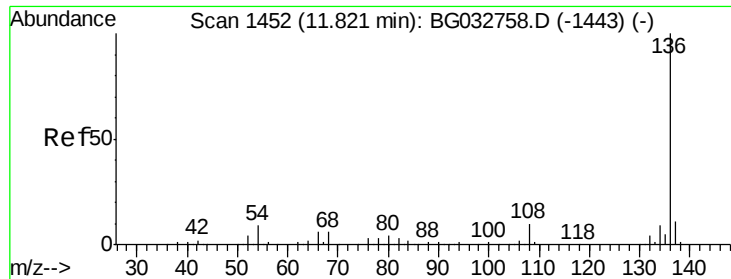
101 0.0 8.5 12.7#

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

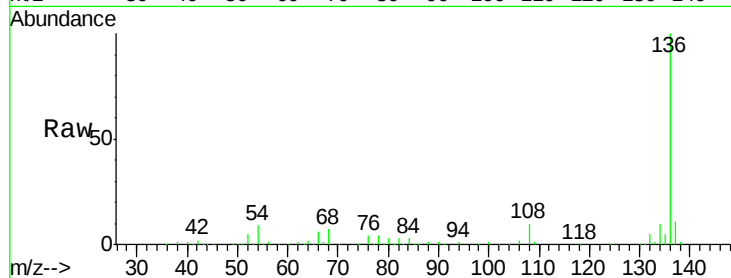




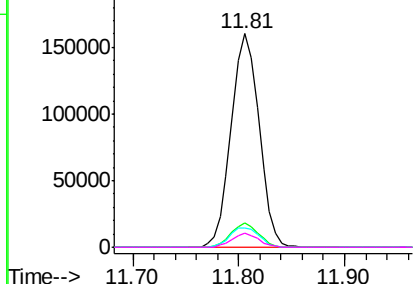
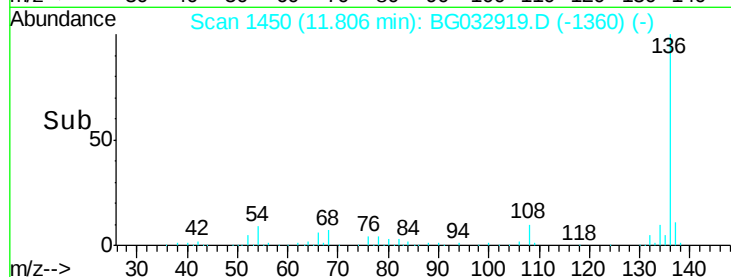
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	293222
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	8.9	10.3 15.5
68	6.6	4.5 6.7

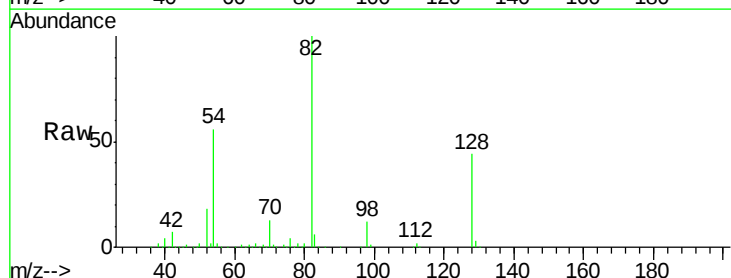


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

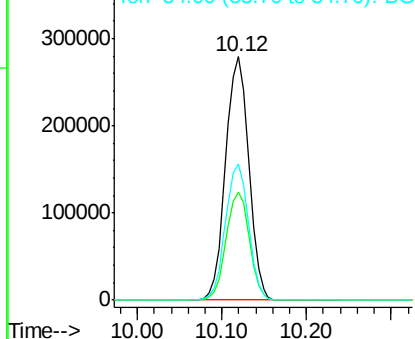
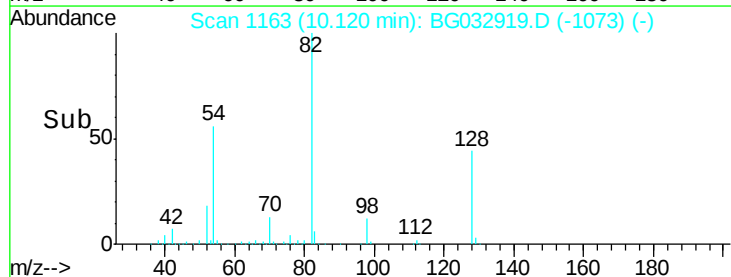


#23
Nitrobenzene-d5
Concen: 120.106 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Tgt Ion: 82	Resp:	527080
Ion Ratio	Lower	Upper
82	100	
128	44.3	29.7 44.5
54	55.7	43.1 64.7



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

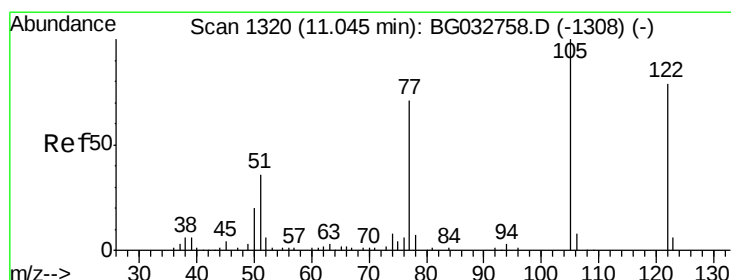
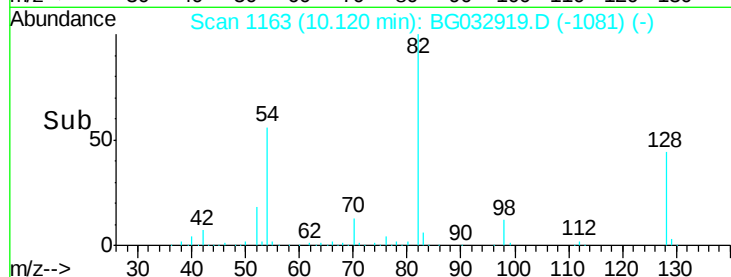
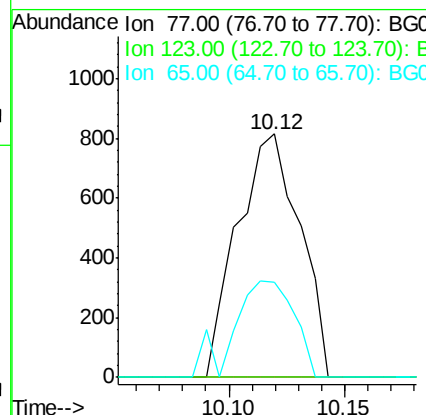
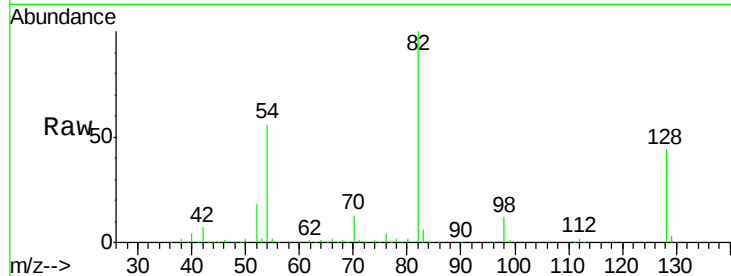




#24
 Nitrobenzene
 Concen: 6.663 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

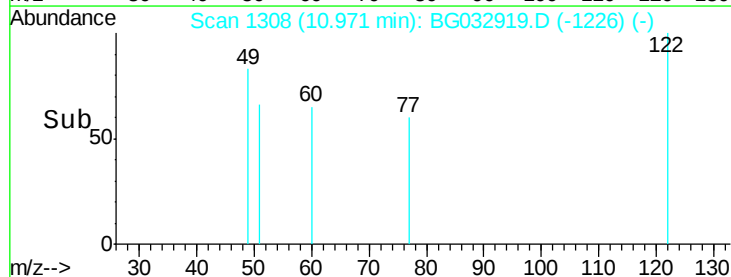
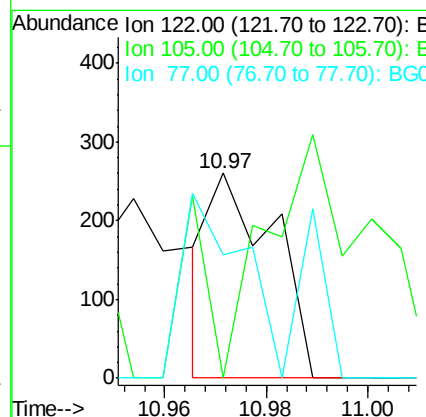
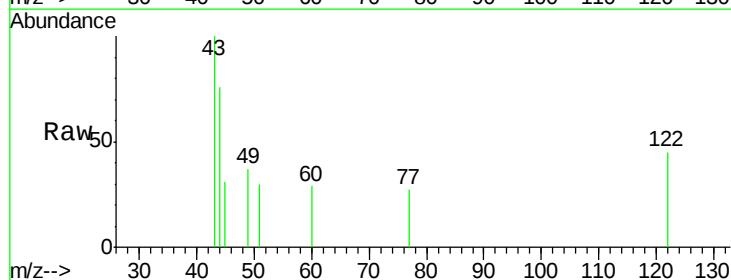
Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 1526
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 38.9 13.0 19.6#



#32
 Benzoic acid
 Concen: 5.913 ng
 RT: 10.97 min Scan# 1308
 Delta R.T. -0.05 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

Tgt Ion: 122 Resp: 224
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 60.4 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Instrument :

BNA_G

ClientSampleId :

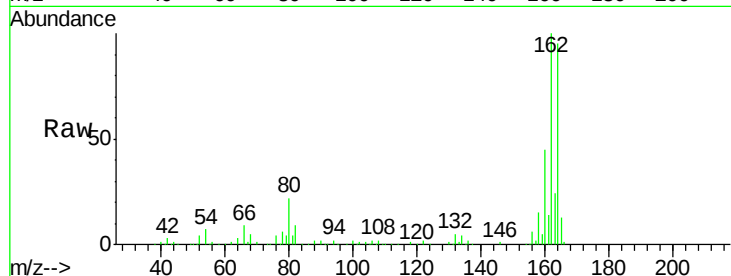
Tot Ion:164 Resp: 163698

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

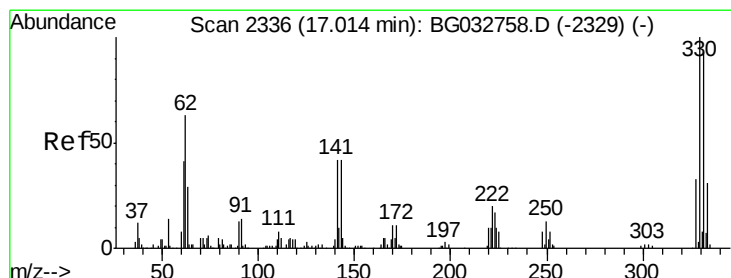
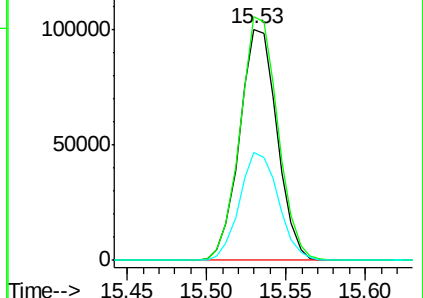
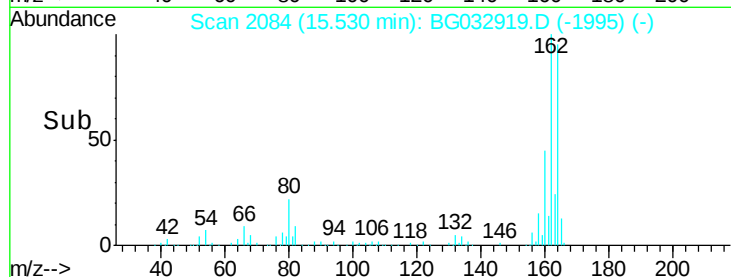
160 46.9 35.4 53.0



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: 150.533 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

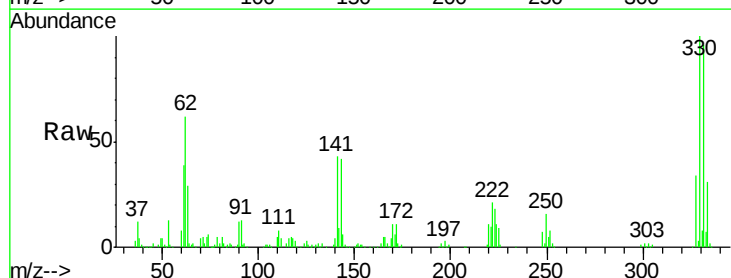
Tgt Ion:330 Resp: 259101

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

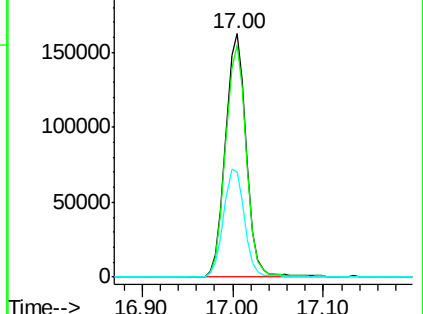
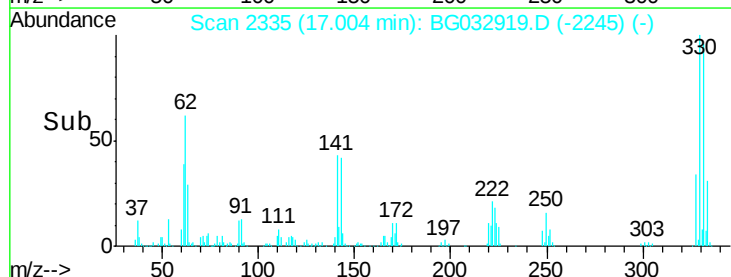
141 44.6 25.2 37.8#

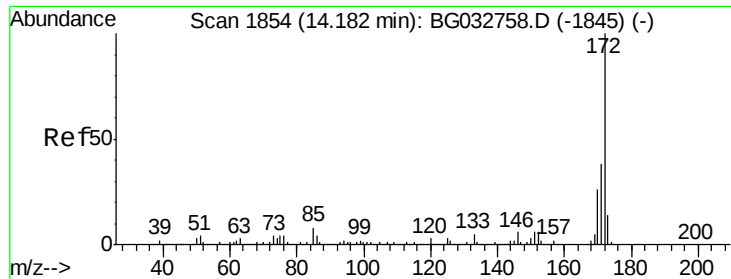


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

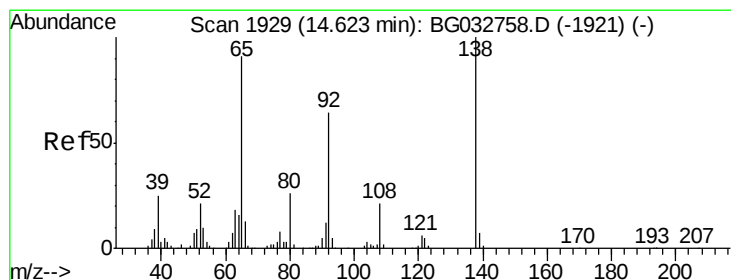
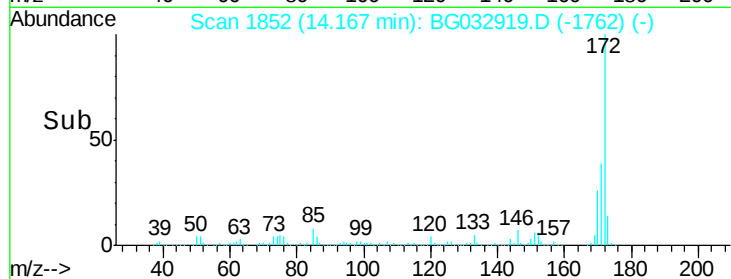
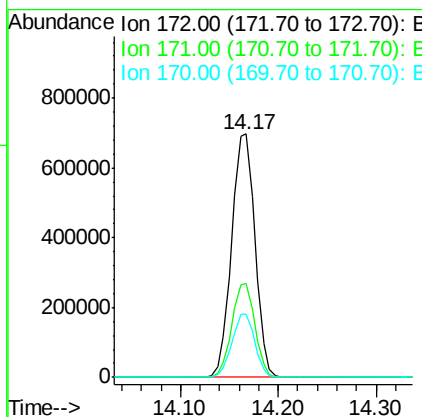
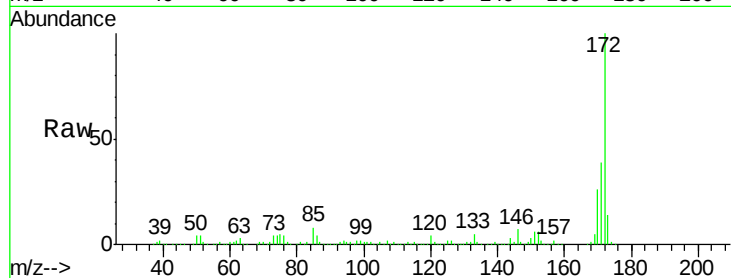




#44
 2-Fluorobiphenyl
 Concen: 101.714 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

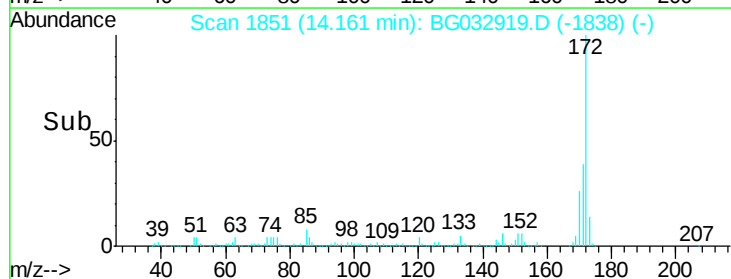
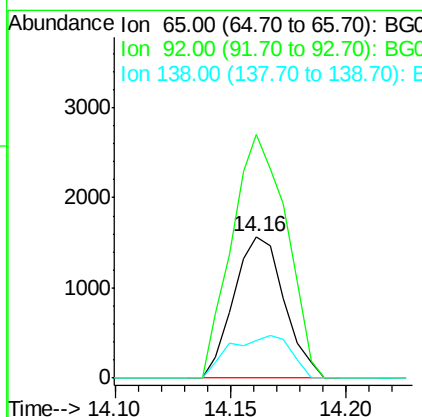
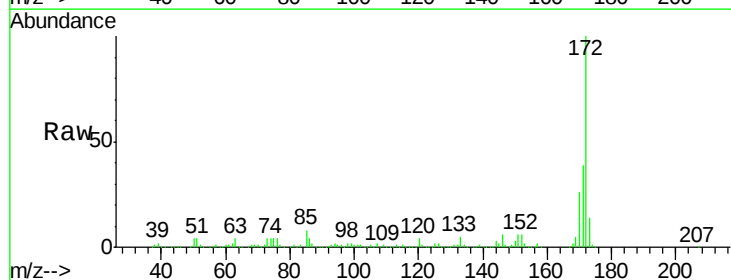
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1154473
 Ion Ratio Lower Upper
 172 100
 171 38.6 30.0 45.0
 170 25.9 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.539 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.45 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

Tgt Ion: 65 Resp: 2385
 Ion Ratio Lower Upper
 65 100
 92 171.7 54.6 82.0#
 138 26.8 72.9 109.3#

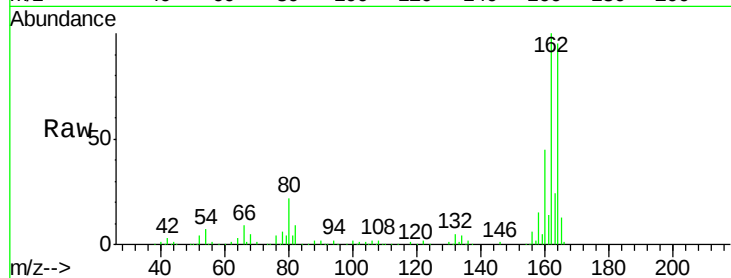




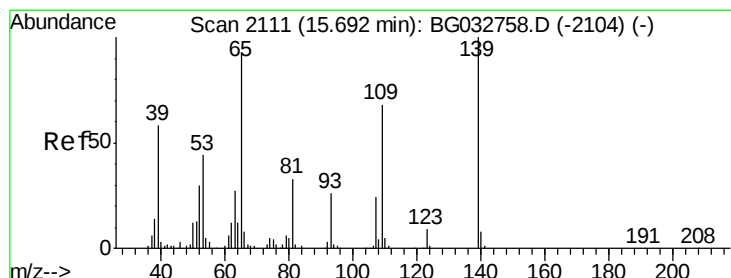
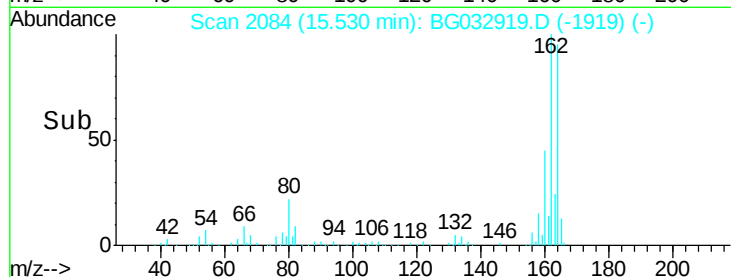
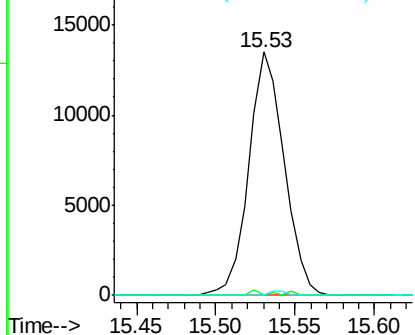
#50
2,6-Dinitrotoluene
Concen: 16.304 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 20914
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

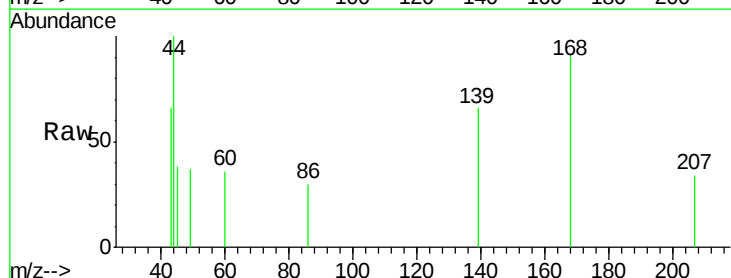


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

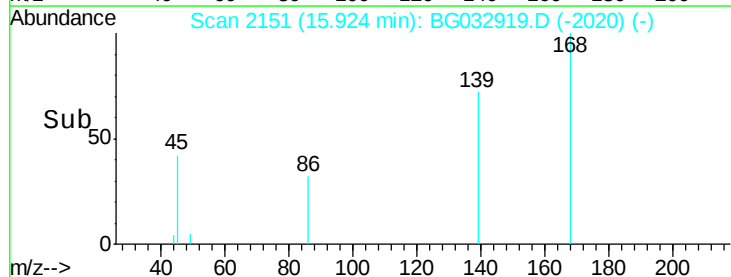
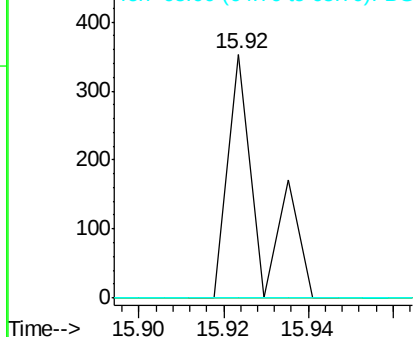


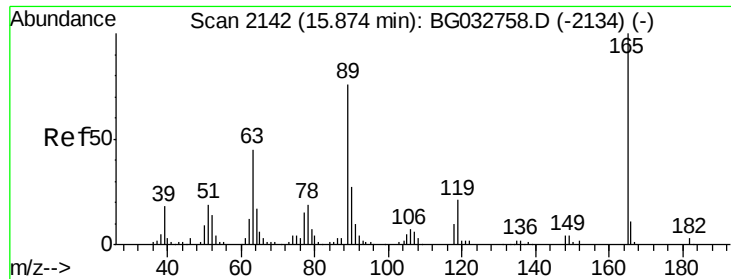
#55
4-Nitrophenol
Concen: 7.155 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Tgt Ion:139 Resp: 185
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): BG





#56

2,4-Dinitrotoluene

Concen: 14.501 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.33 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20914

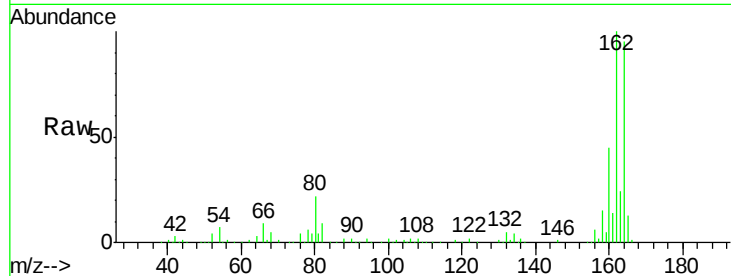
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



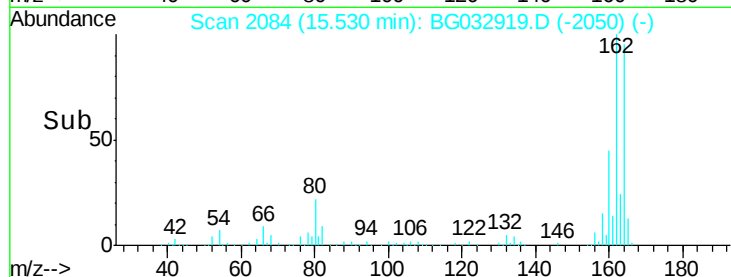
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

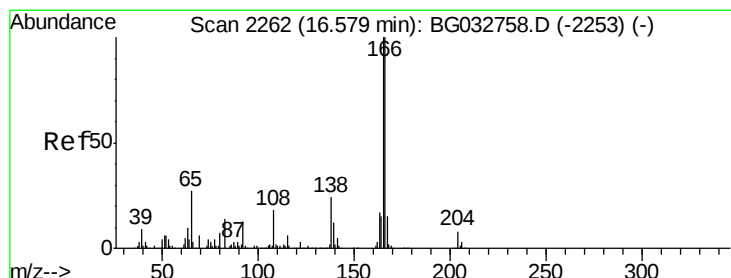
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#61

4-Nitroaniline

Concen: 5.317 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.44 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

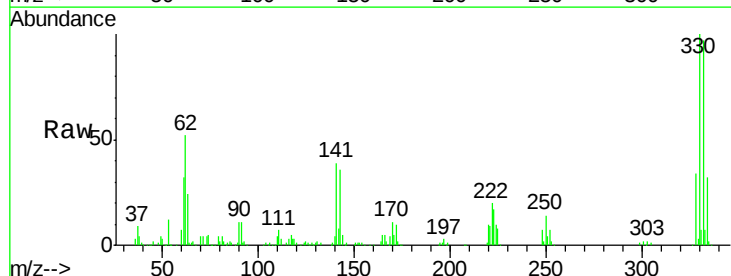
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 839.3 40.1 80.1#

108 0.0 65.4 105.4#

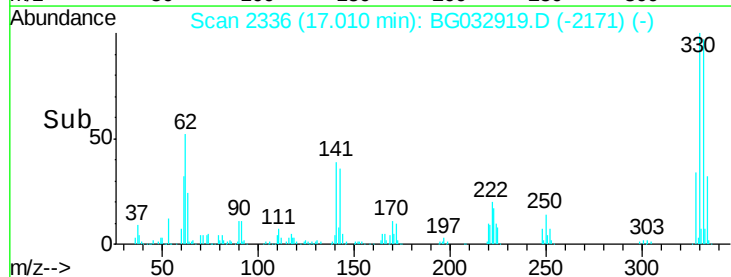


Abundance Ion 138.00 (137.70 to 138.70): E

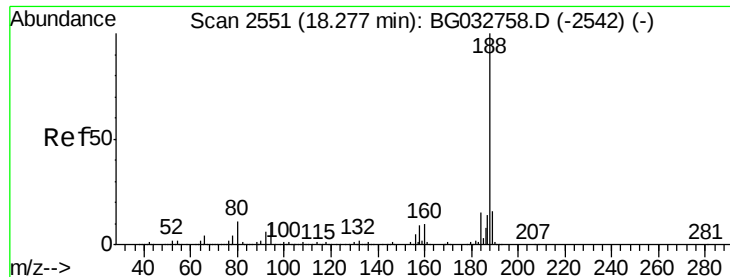
Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. 0.00 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Instrument :

BNA_G

ClientSampleId :

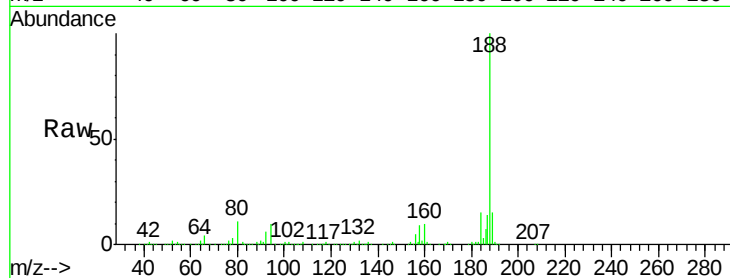
Tot Ion:188 Resp: 366728

Ion Ratio Lower Upper

188 100

94 9.9 6.9 10.3

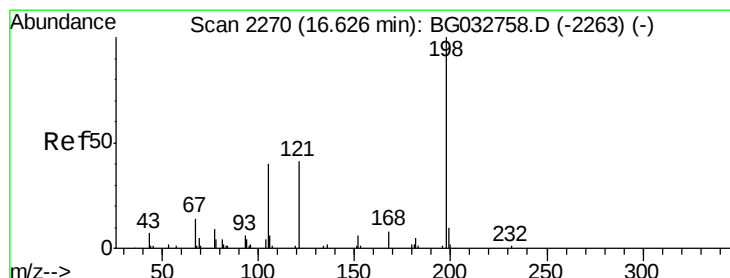
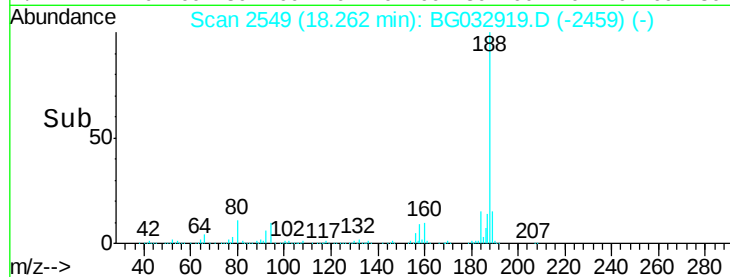
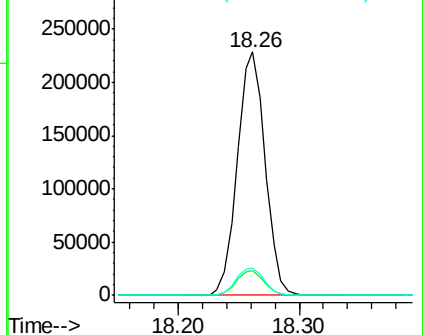
80 11.1 7.7 11.5



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: 5.932 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.39 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

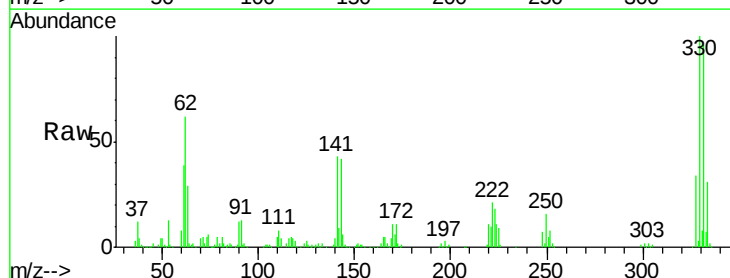
Tgt Ion:198 Resp: 850

Ion Ratio Lower Upper

198 100

51 150.2 30.6 70.6#

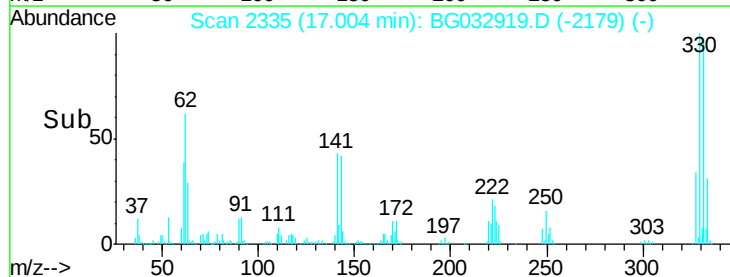
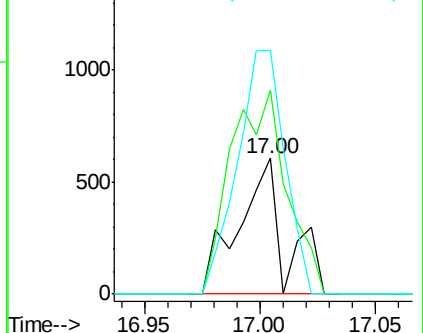
105 179.4 23.8 63.8#

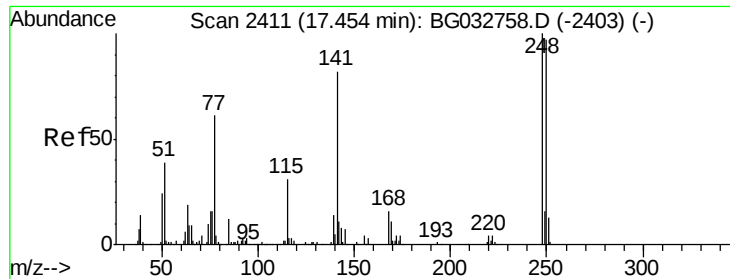


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

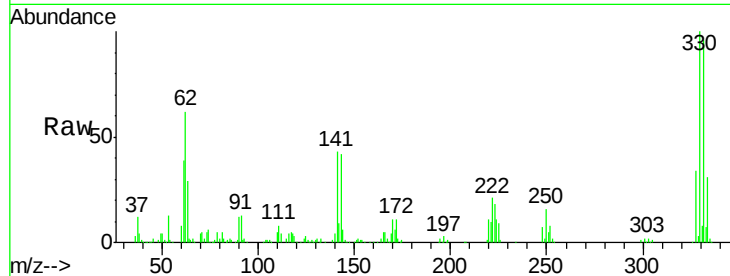




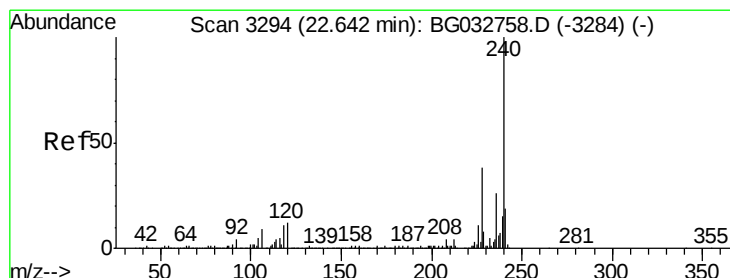
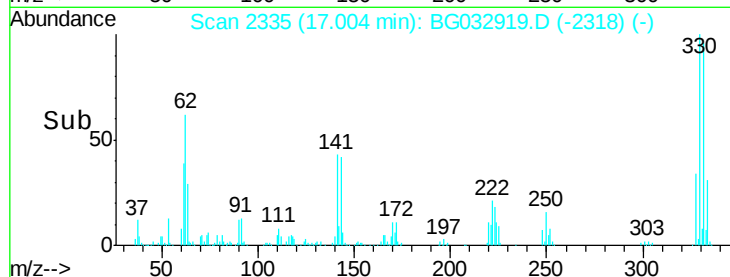
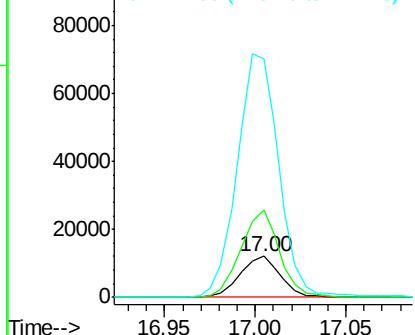
#66
 4-Bromophenyl-phenylether
 Concen: 4.759 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18455
 Ion Ratio Lower Upper
 248 100
 250 212.1 77.1 115.7#
 141 583.0 50.8 76.2#

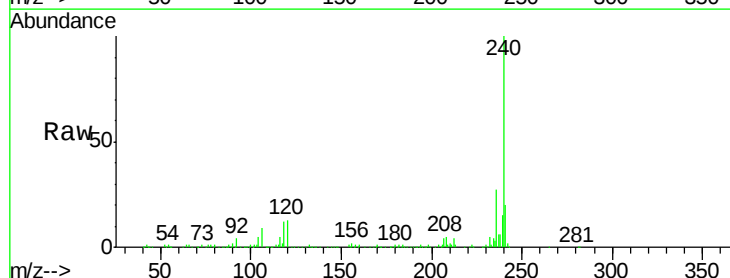


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

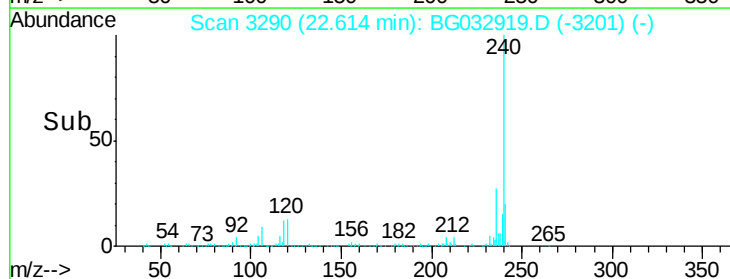
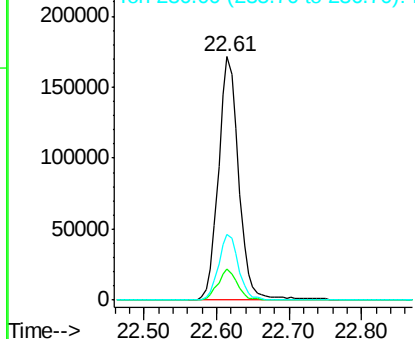


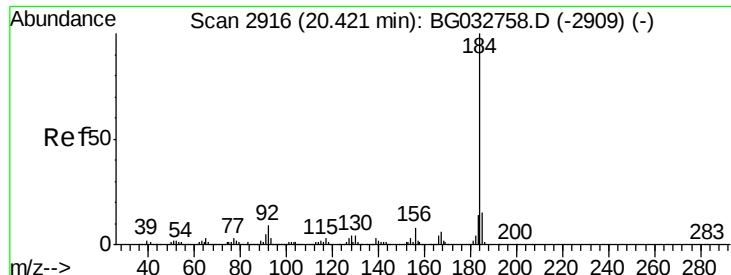
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.01 min
 Lab File: BG032919.D
 Acq: 1 Mar 2018 16:20

Tgt Ion:240 Resp: 334426
 Ion Ratio Lower Upper
 240 100
 120 13.0 6.8 10.2#
 236 26.9 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: 2.428 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

Instrument :

BNA_G

ClientSampleId :

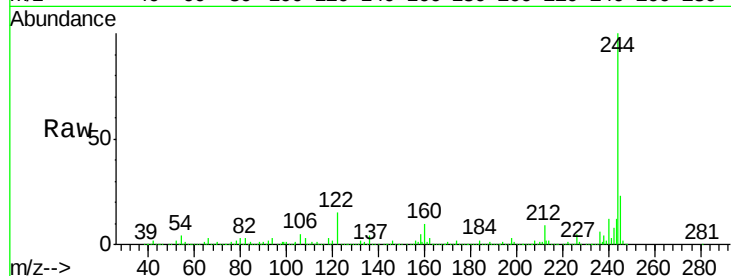
Tot Ion:184 Resp: 27677

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

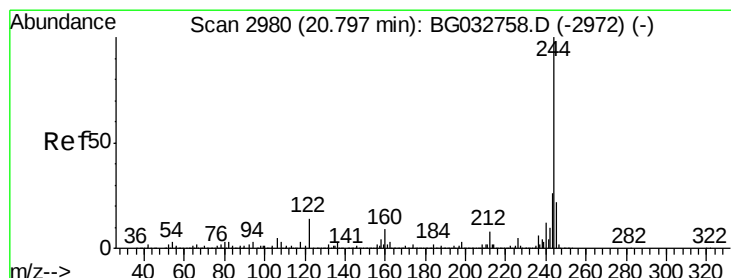
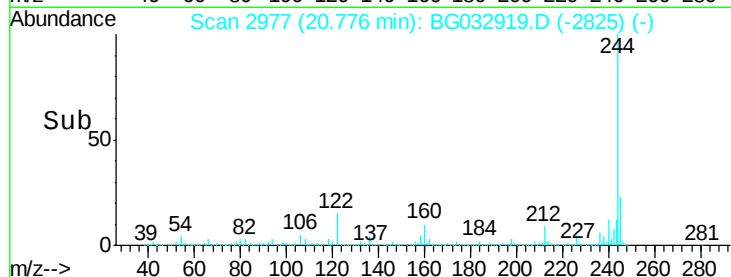
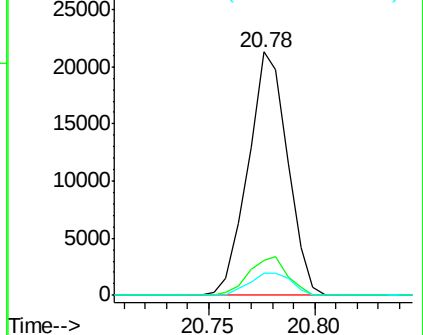
183 9.3 10.6 16.0#



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



#78

Terphenyl-d14

Concen: 106.469 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032919.D

Acq: 1 Mar 2018 16:20

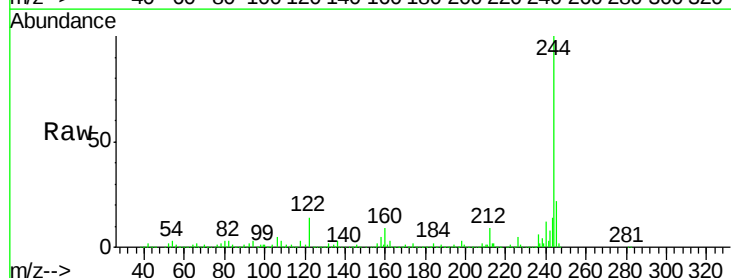
Tgt Ion:244 Resp: 1584787

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

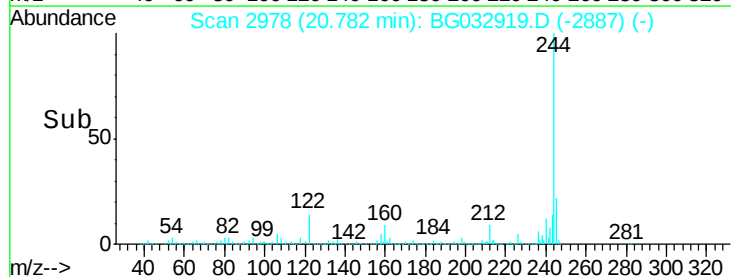
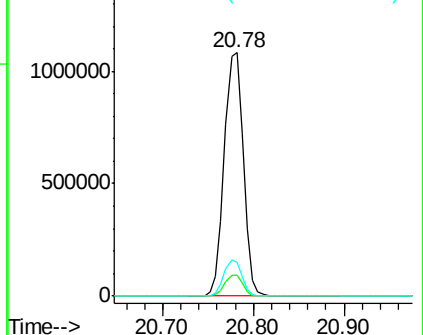
122 13.8 7.0 10.4#

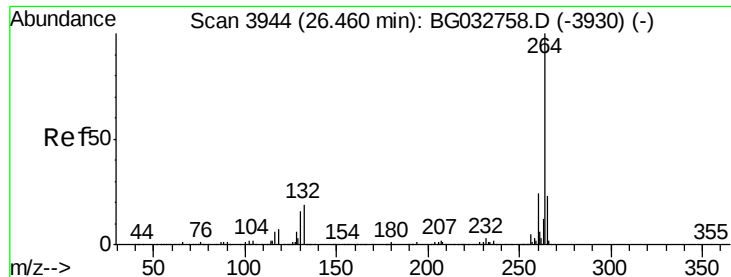


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

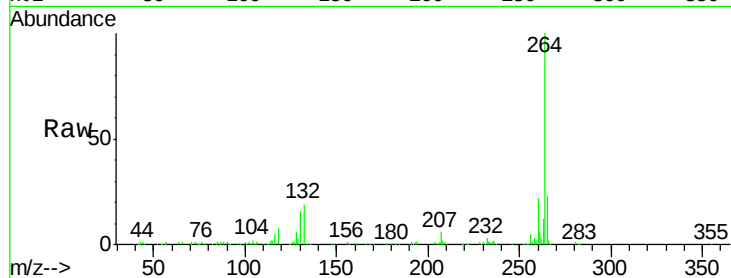




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3938
Delta R.T. -0.01 min
Lab File: BG032919.D
Acq: 1 Mar 2018 16:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	22.8	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

