

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103777.D
 Acq On : 20 Mar 2018 00:58
 Operator : JU/SJ
 Sample : J1971-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 02:27:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146333	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	571650	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	250482	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	412183	20.00	ng	0.00
75) Chrysene-d12	14.16	240	314049	20.00	ng	0.00
86) Perylene-d12	15.70	264	264497	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1204988	125.25	ng	0.02
7) Phenol-d6	6.60	99	1476778	125.46	ng	0.01
23) Nitrobenzene-d5	7.53	82	899330	109.71	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	310919	144.37	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1339762	85.32	ng	0.00
78) Terphenyl-d14	13.10	244	1137066	84.04	ng	0.01

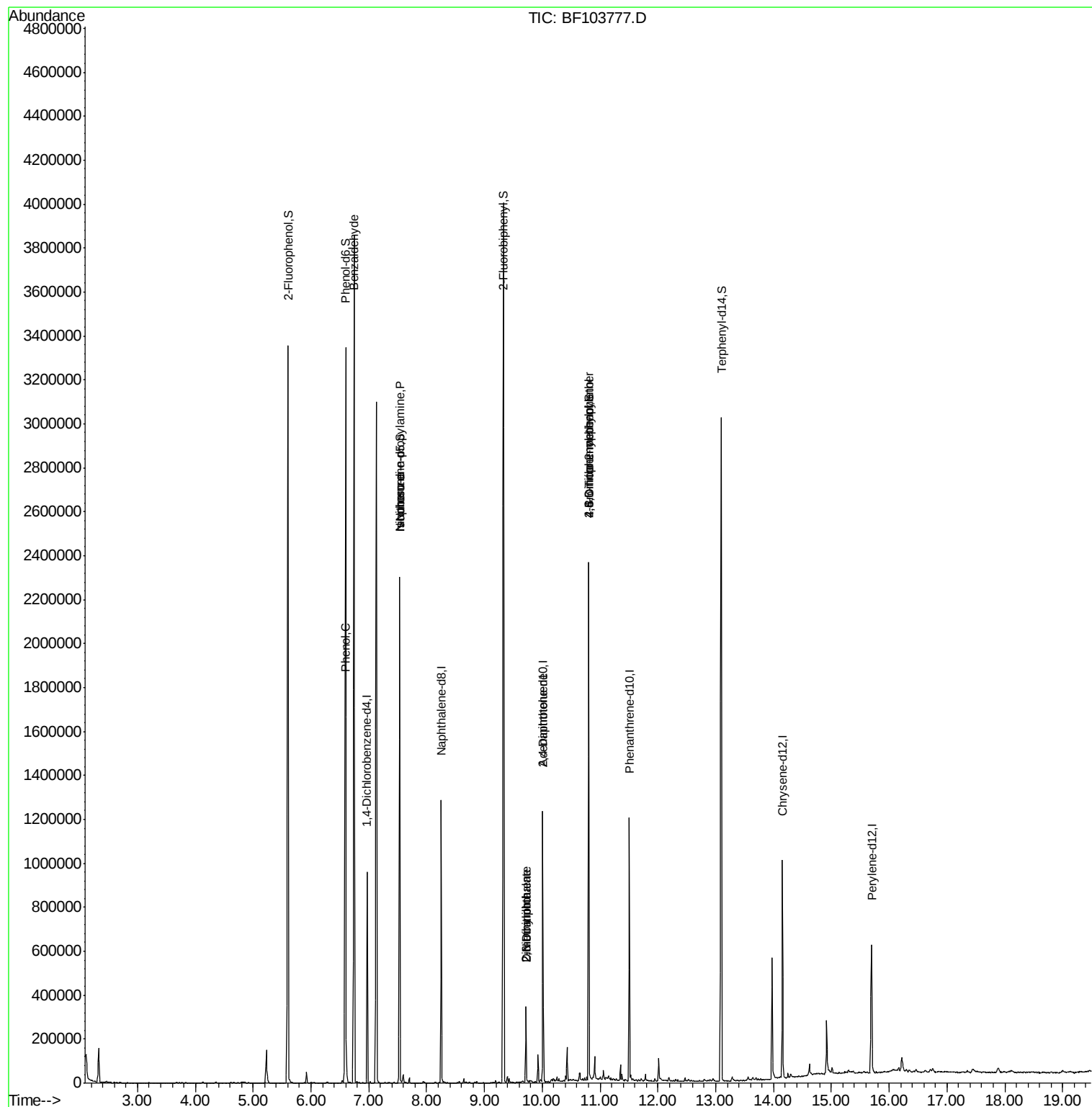
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	25829	3.340	ng	85
10) Phenol	6.61	94	43481	3.476	ng	90
19) n-Nitroso-di-n-propylamine	7.53	70	116391	15.430	ng	# 74
25) Isophorone	7.53	82	899317	47.392	ng	# 64
47) 2-Nitroaniline	9.72	65	919	6.996	ng	# 1
49) Dimethylphthalate	9.72	163	117017	6.123	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1238	4.291	ng	# 16
56) 2,4-Dinitrotoluene	10.01	165	31816	12.127	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	646	8.586	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18957	4.479	ng	# 1

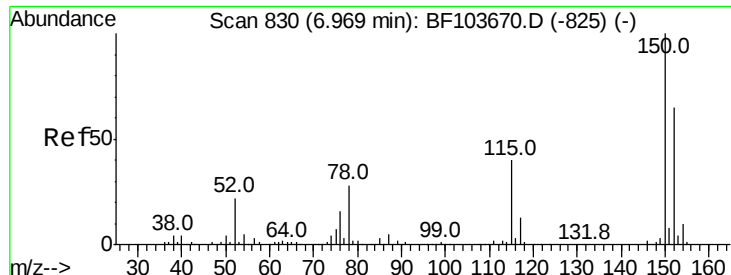
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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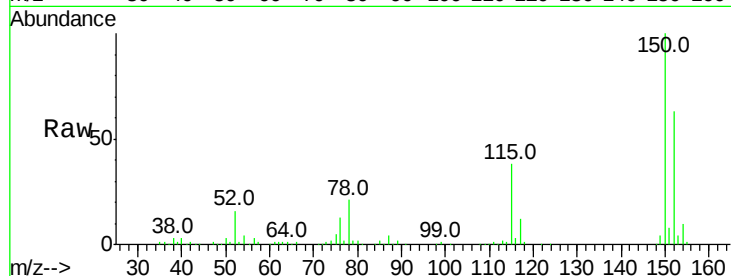


#1

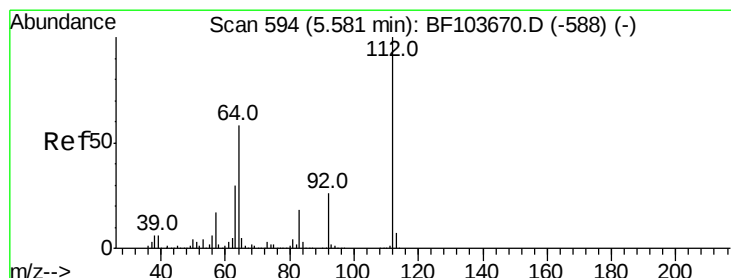
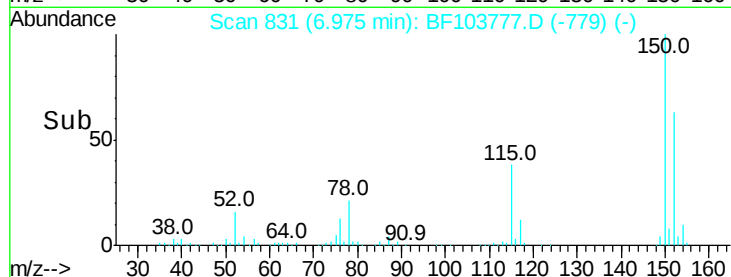
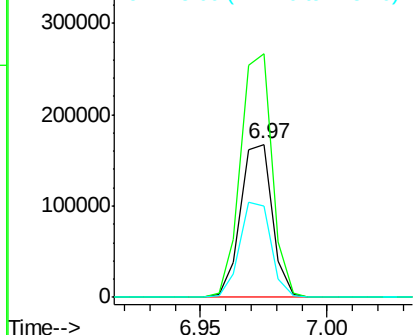
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146333
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 59.8 50.1 75.1



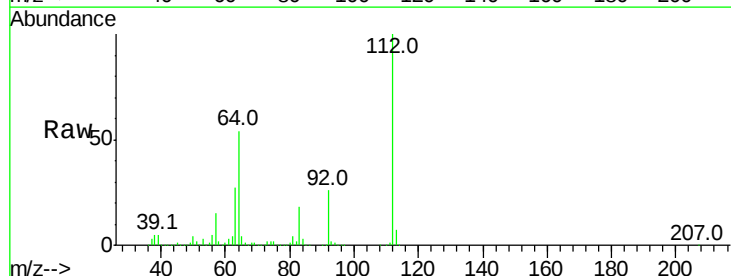
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



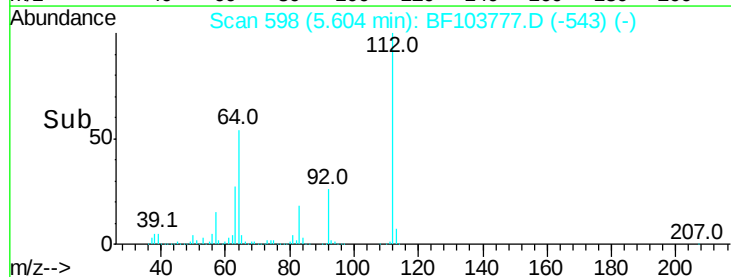
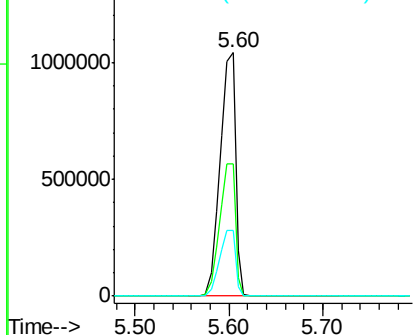
#5

2-Fluorophenol
Concen: 125.247 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Tgt Ion:112 Resp: 1204988
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 125.465 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampleId :

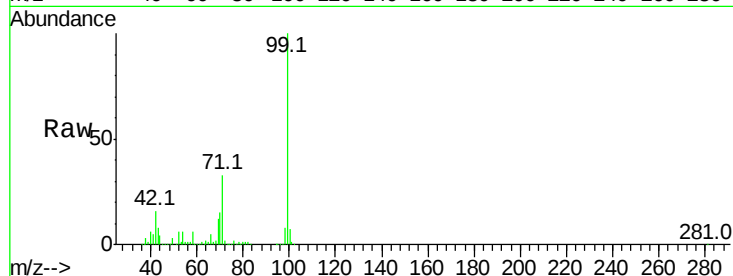
Tot Ion: 99 Resp: 1476778

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

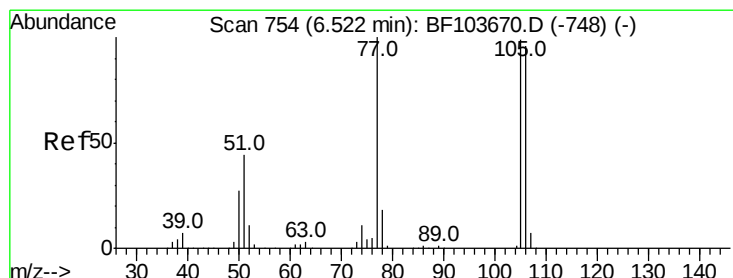
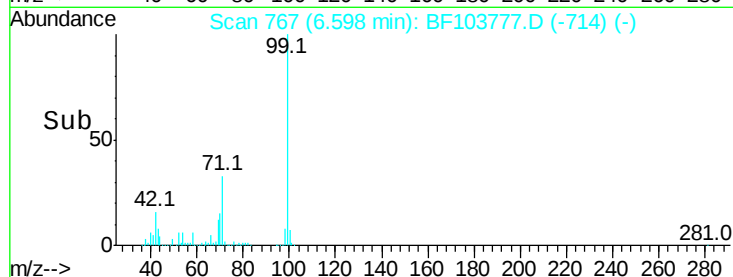
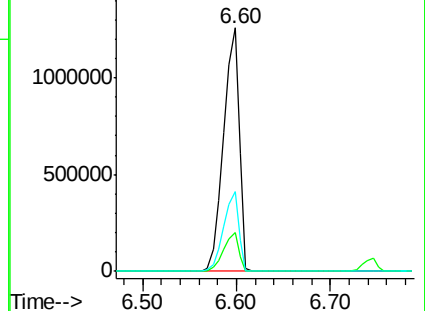
71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.340 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

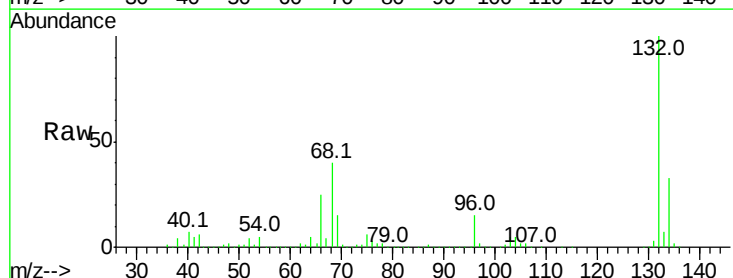
Tgt Ion: 77 Resp: 25829

Ion Ratio Lower Upper

77 100

105 86.2 81.1 121.1

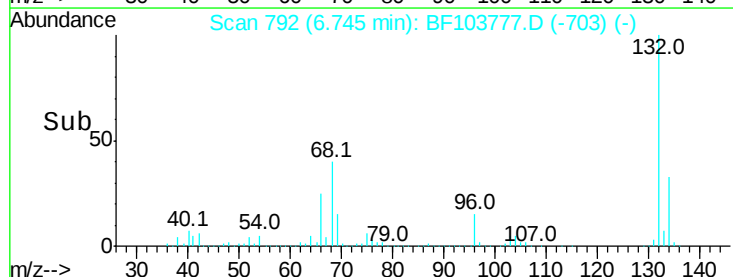
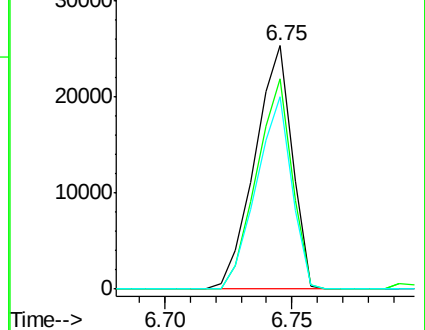
106 78.8 74.5 114.5

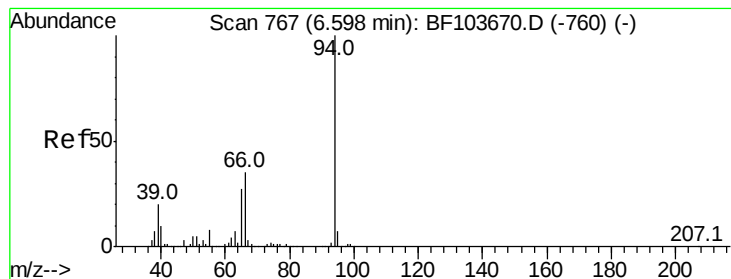


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.476 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampleId :

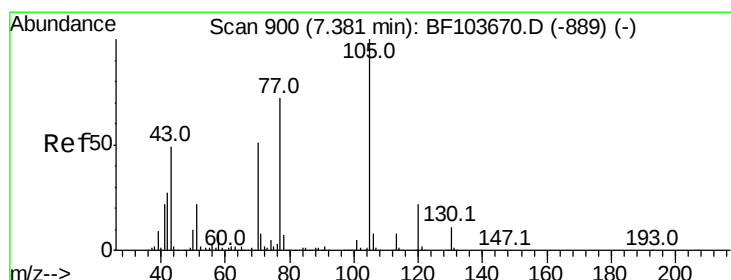
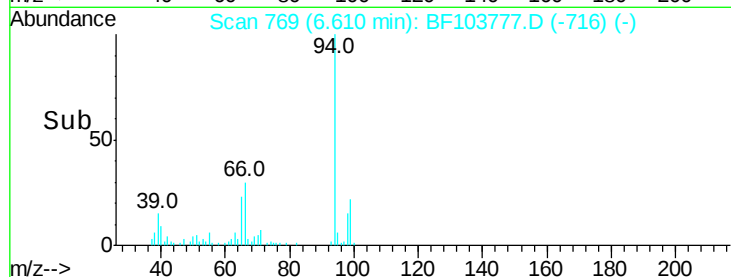
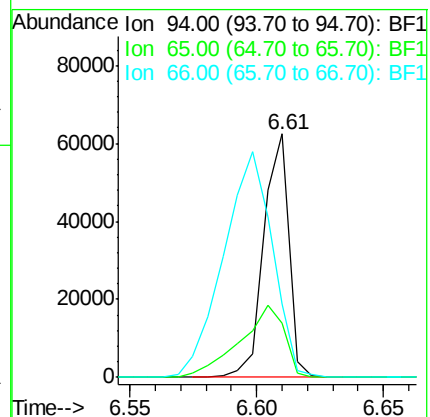
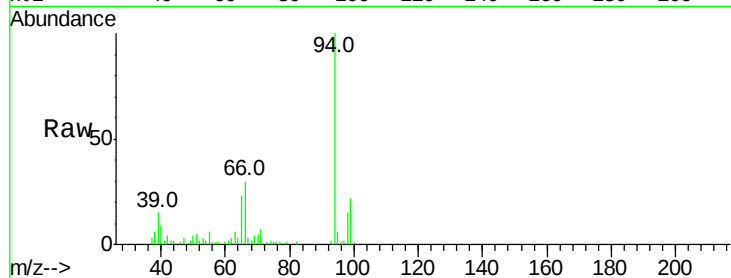
Tot Ion: 94 Resp: 43481

Ion Ratio Lower Upper

94 100

65 22.5 7.9 47.9

66 30.0 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.430 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Tgt Ion: 70 Resp: 116391

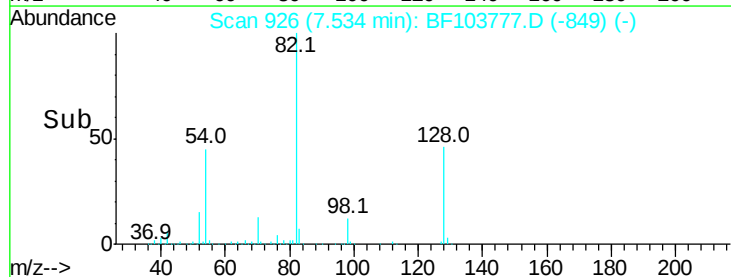
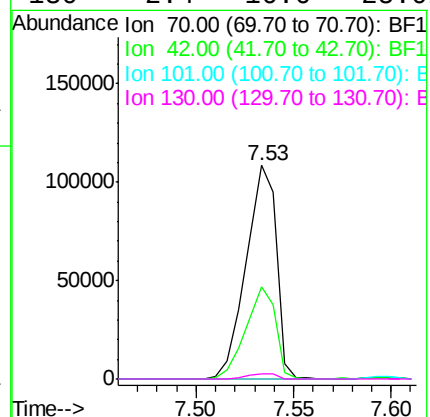
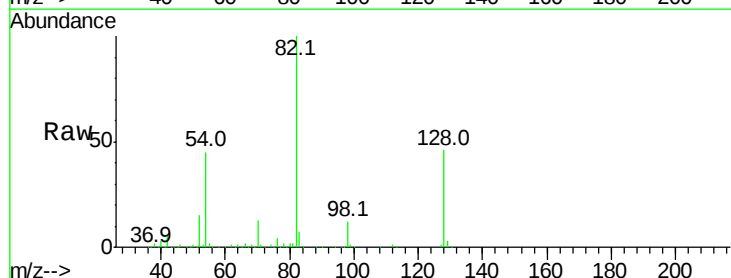
Ion Ratio Lower Upper

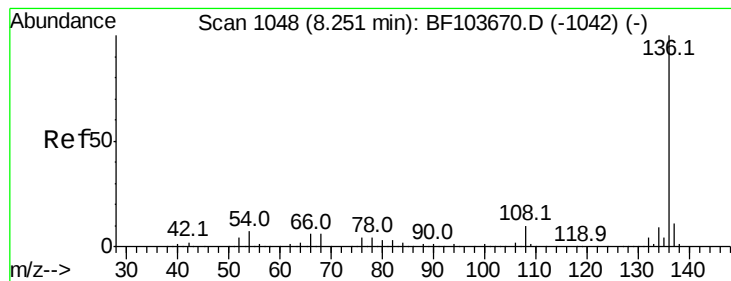
70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 571650

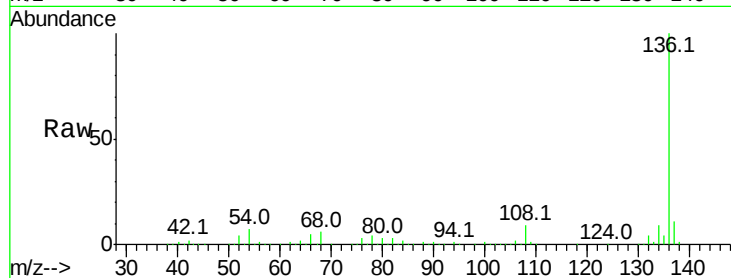
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.4 5.0 7.4

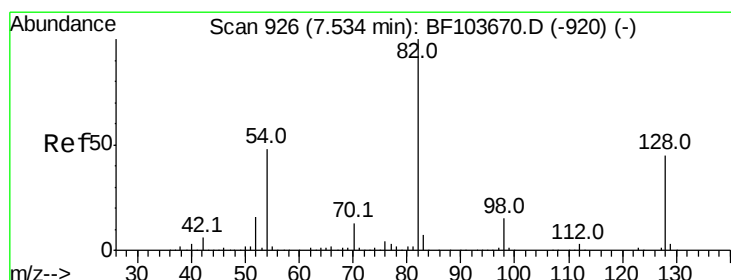
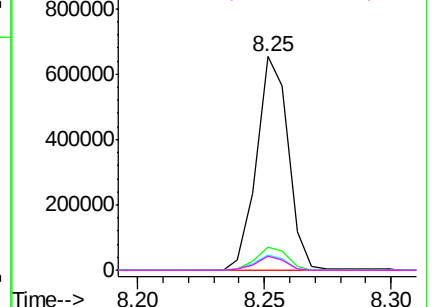
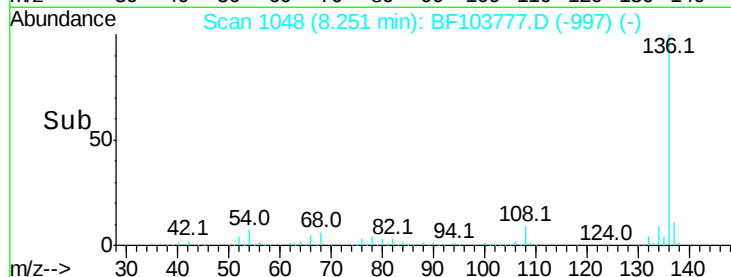


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 109.710 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

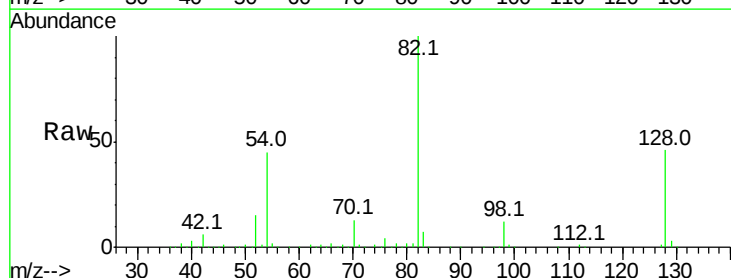
Tgt Ion: 82 Resp: 899330

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

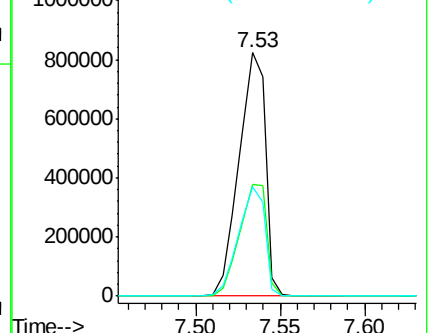
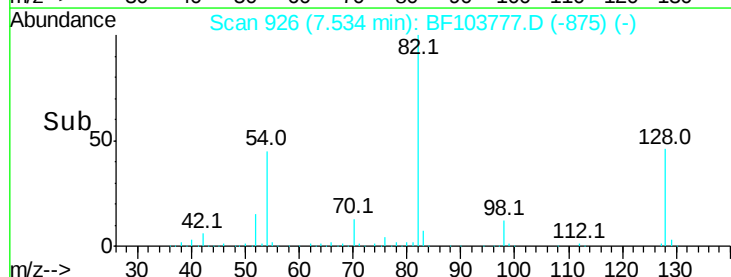
54 45.1 41.4 62.2

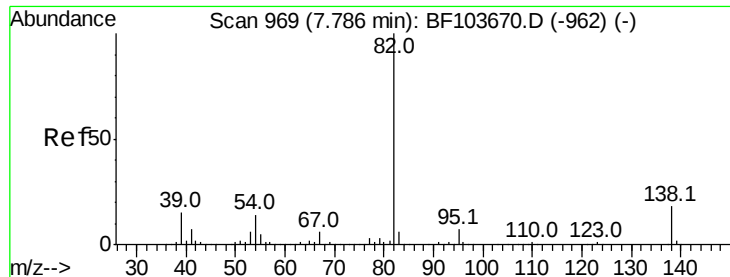


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.392 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampled :

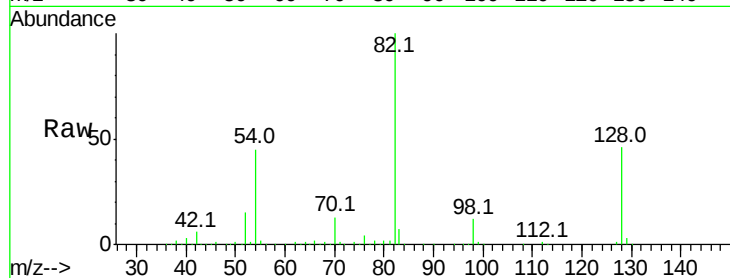
Tot Ion: 82 Resp: 899317

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

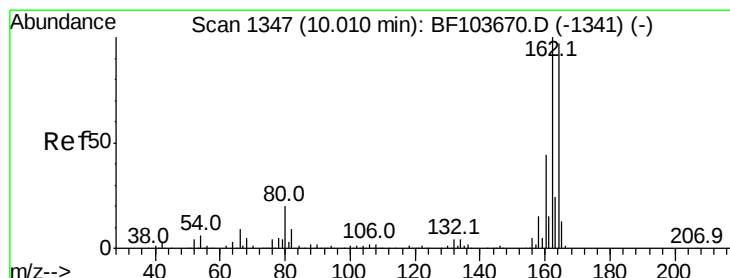
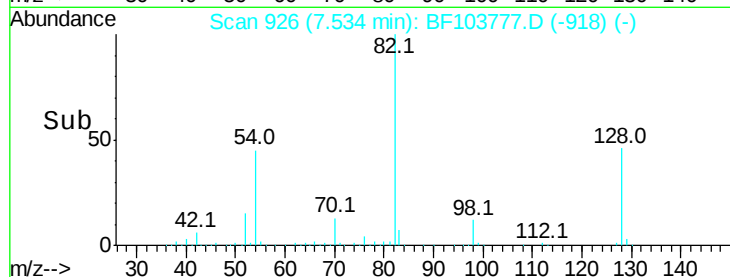
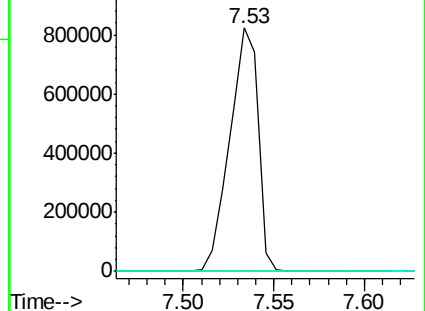
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

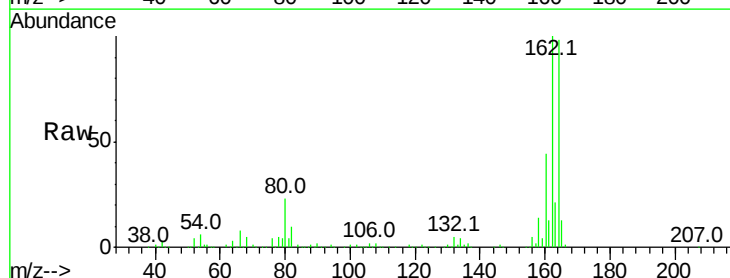
Tgt Ion:164 Resp: 250482

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

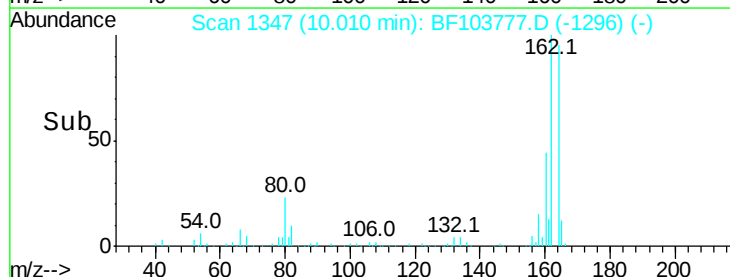
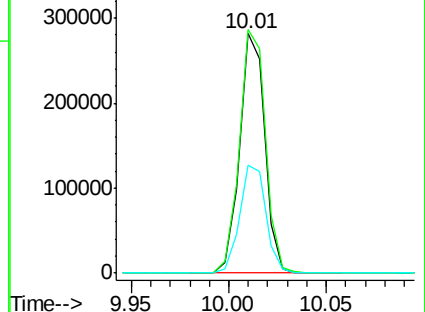
160 44.9 38.3 57.5

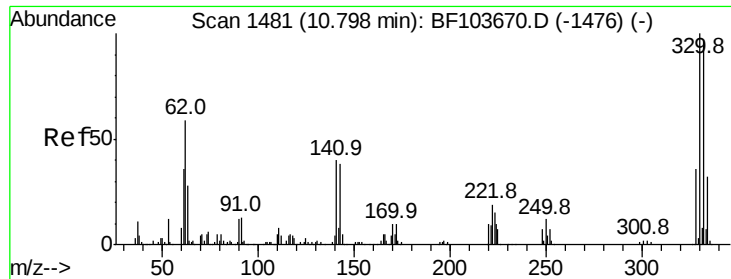


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

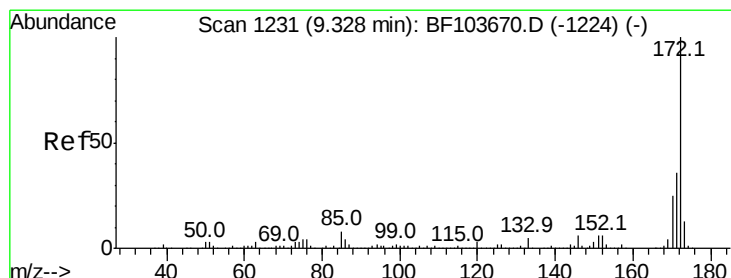
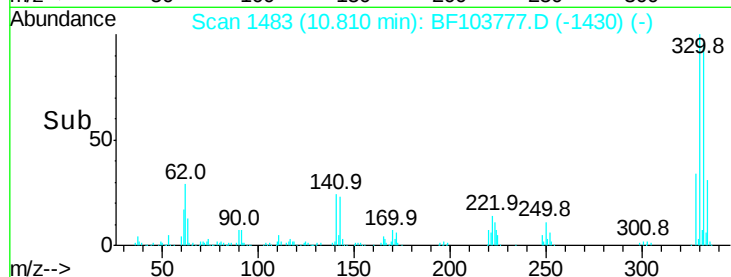
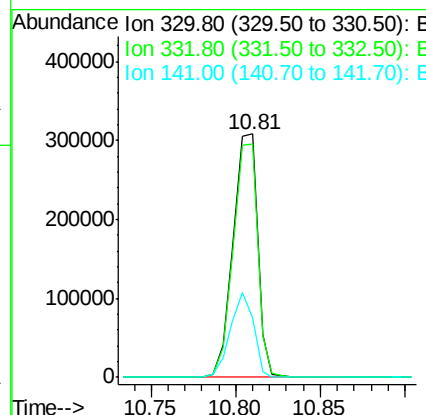
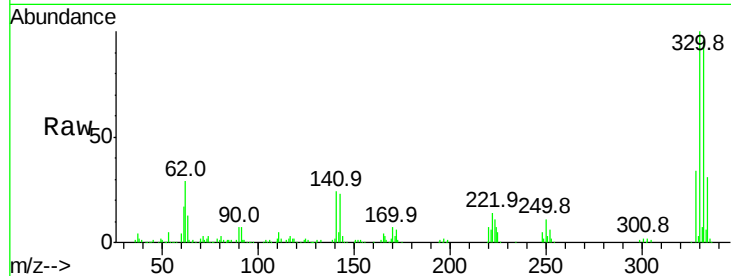




#41
 2,4,6-Tribromophenol
 Concen: 144.368 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103777.D
 Acq: 20 Mar 2018 00:58

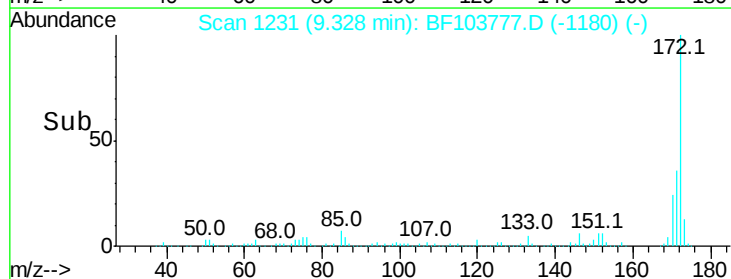
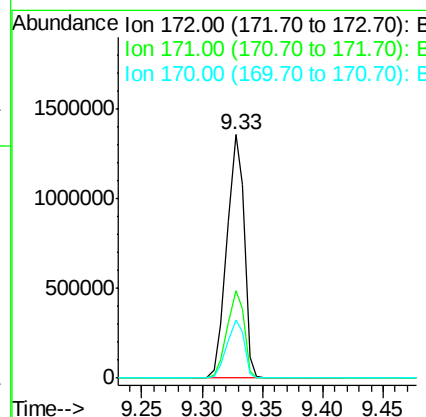
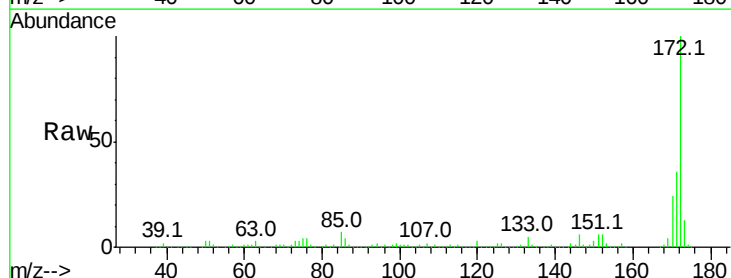
Instrument :
 BNA_F
 ClientSampleId :

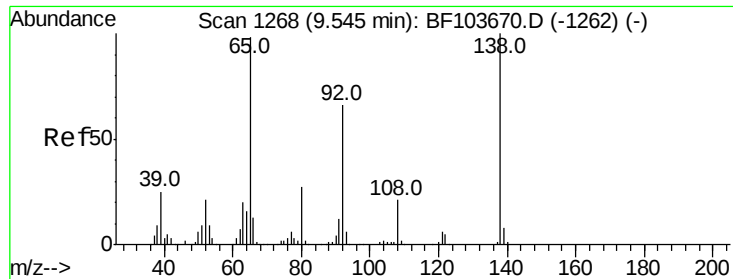
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	33.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 85.320 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103777.D
 Acq: 20 Mar 2018 00:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4





#47

2-Nitroaniline

Concen: 6.996 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.17 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampleId :

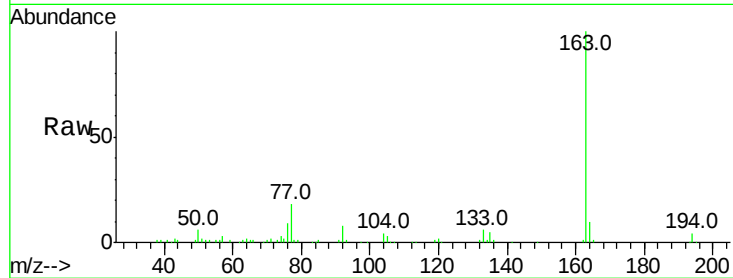
Tot Ion: 65 Resp: 919

Ion Ratio Lower Upper

65 100

92 994.4 55.8 83.6#

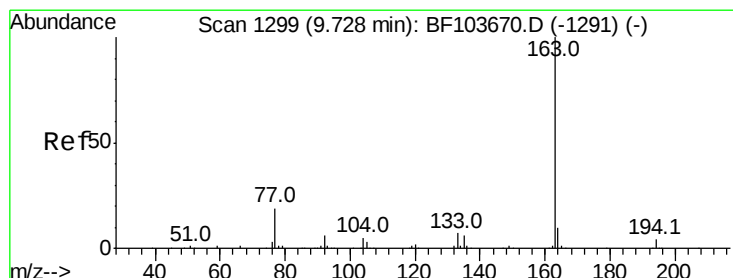
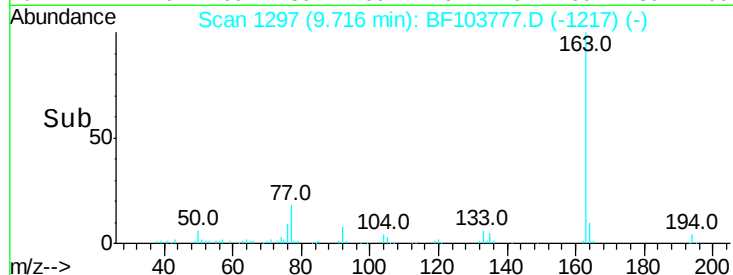
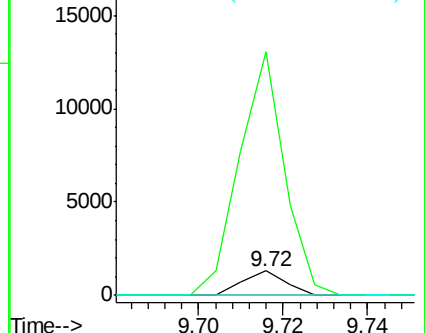
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 6.123 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

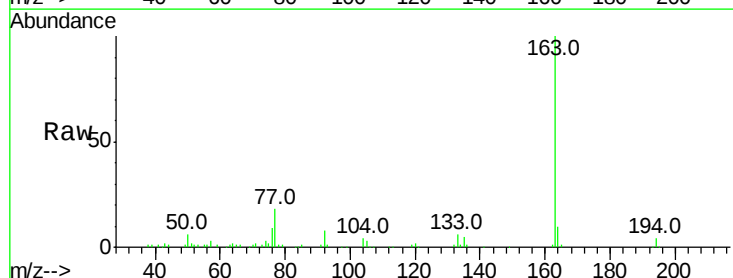
Tgt Ion:163 Resp: 117017

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

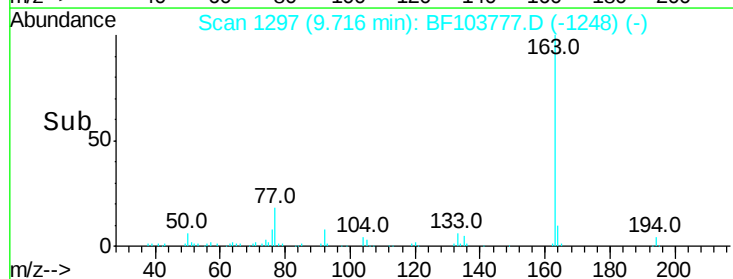
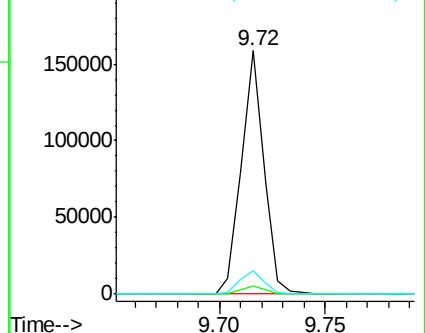
164 9.7 8.2 12.2

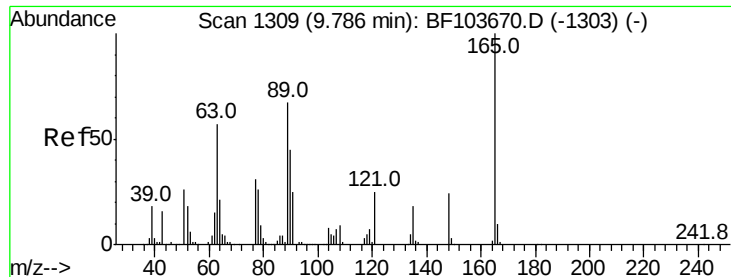


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

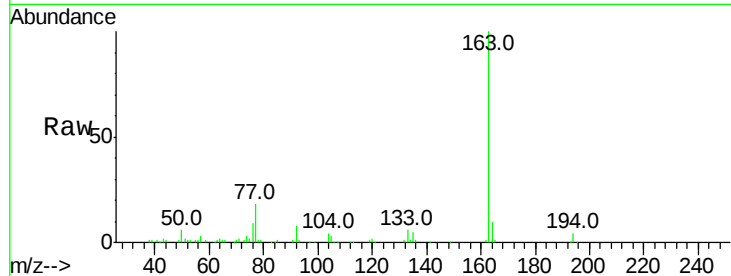




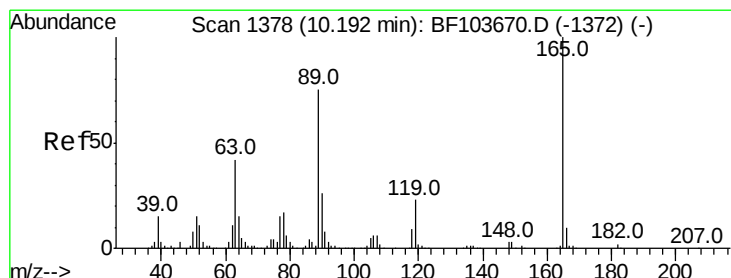
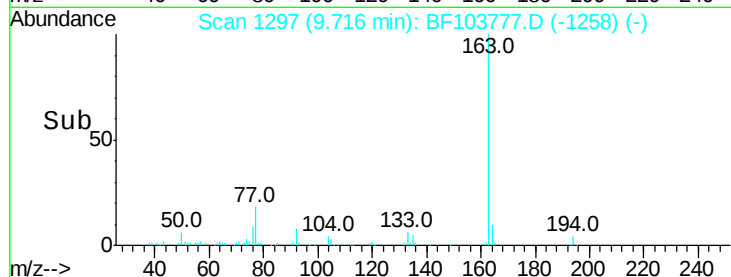
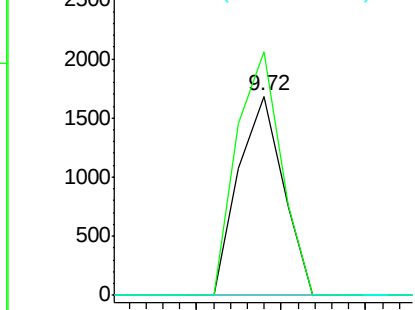
#50
2,6-Dinitrotoluene
Concen: 4.291 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.07 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 1238
Ion Ratio Lower Upper
165 100
63 122.4 44.7 67.1#
89 0.0 44.0 66.0#

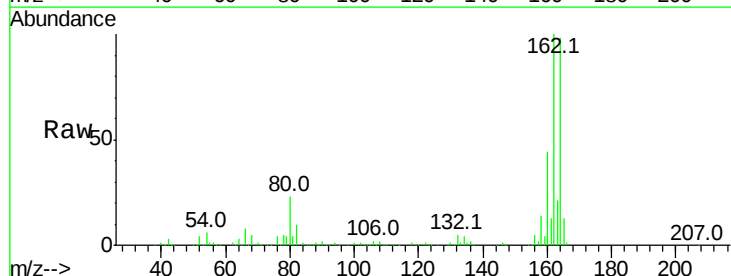


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

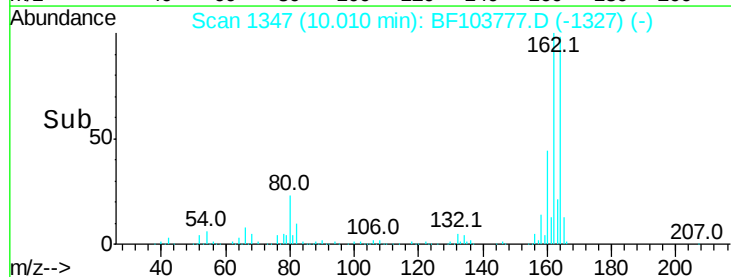
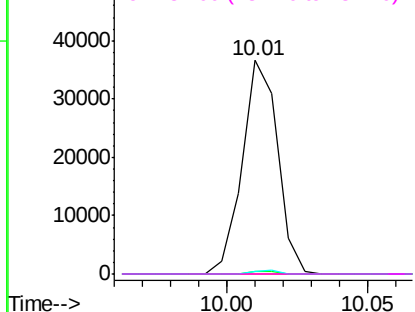


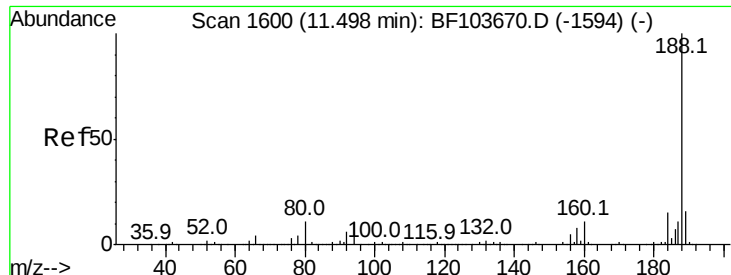
#56
2,4-Dinitrotoluene
Concen: 12.127 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Tgt Ion:165 Resp: 31816
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

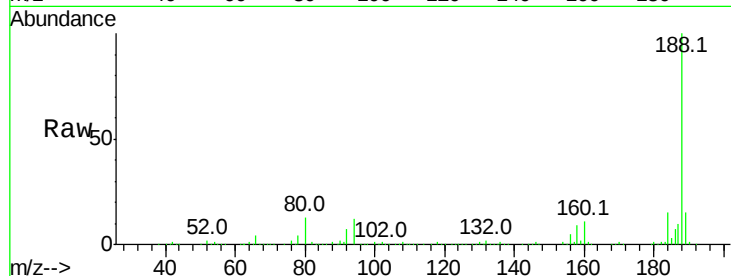




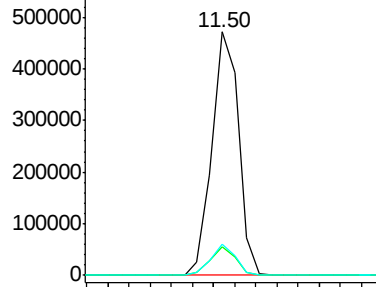
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103777.D
 Acq: 20 Mar 2018 00:58

Instrument :
 BNA_F
 ClientSampleId :

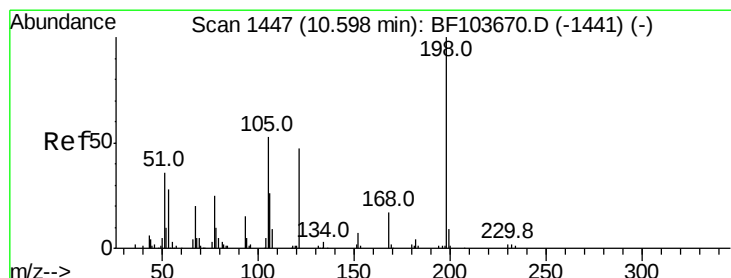
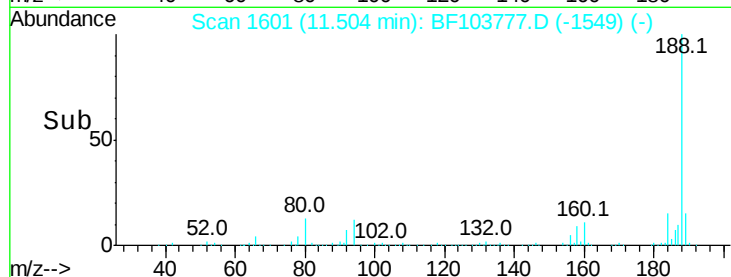
Tot Ion:188 Resp: 412183
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

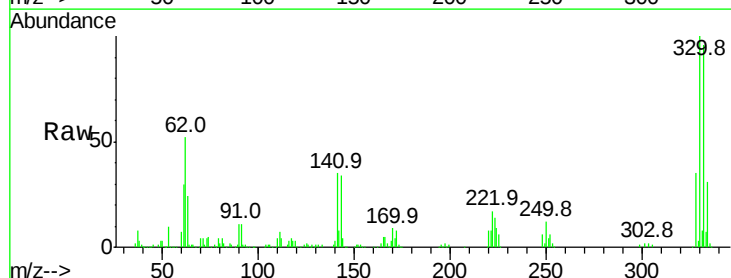


Time-->

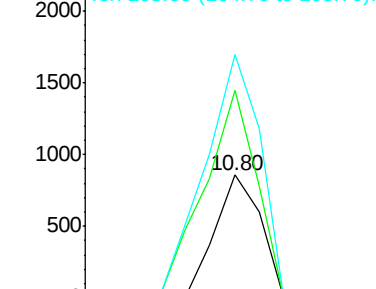


#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.586 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103777.D
 Acq: 20 Mar 2018 00:58

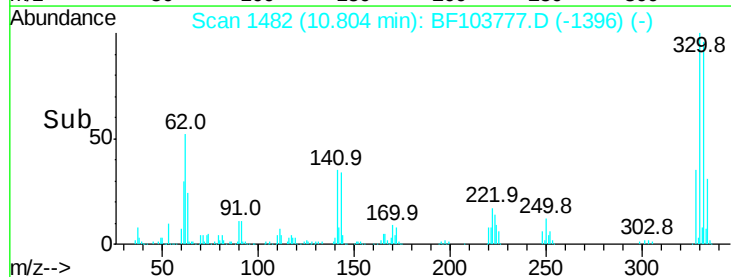
Tgt Ion:198 Resp: 646
 Ion Ratio Lower Upper
 198 100
 51 168.5 37.7 77.7#
 105 197.6 36.3 76.3#

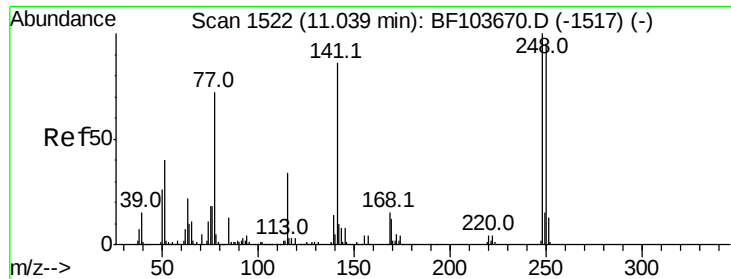


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E



Time-->

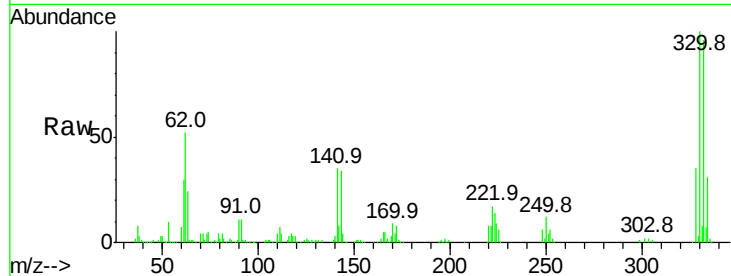




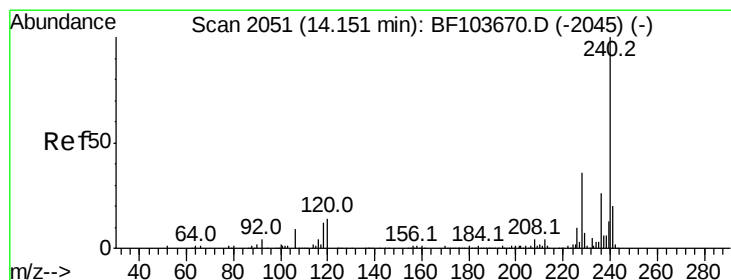
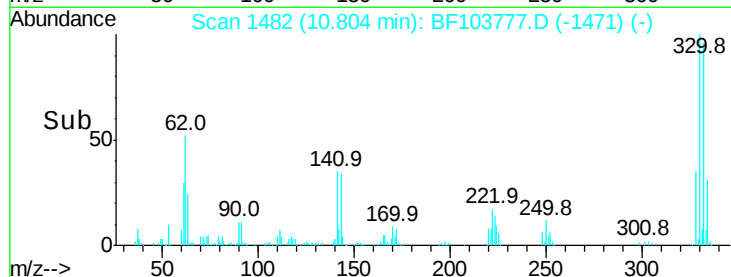
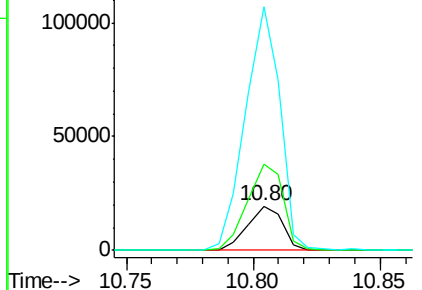
#66
4-Bromophenyl-phenylether
Concen: 4.479 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18957
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 548.0 74.4 111.6#

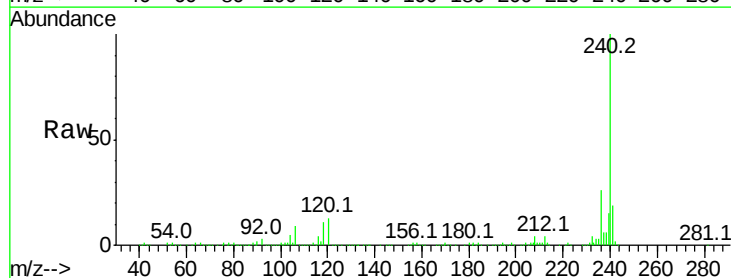


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

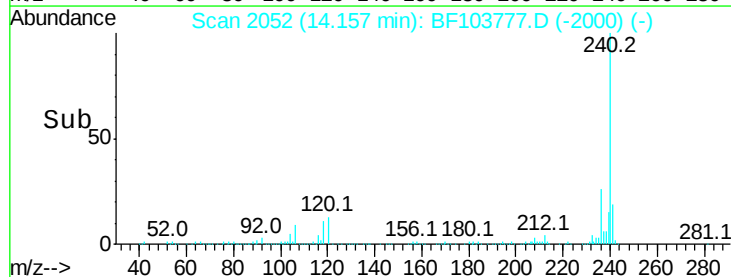
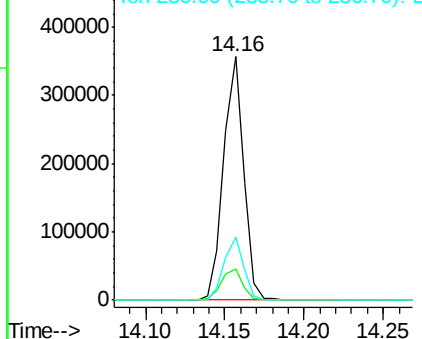


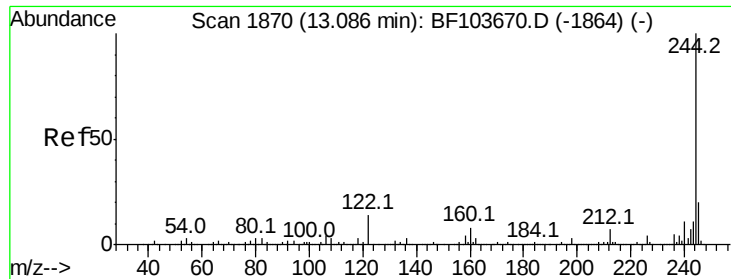
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103777.D
Acq: 20 Mar 2018 00:58

Tgt Ion:240 Resp: 314049
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.0 20.7 31.1



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





#78

Terphenyl-d14

Concen: 84.041 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

Instrument :

BNA_F

ClientSampled :

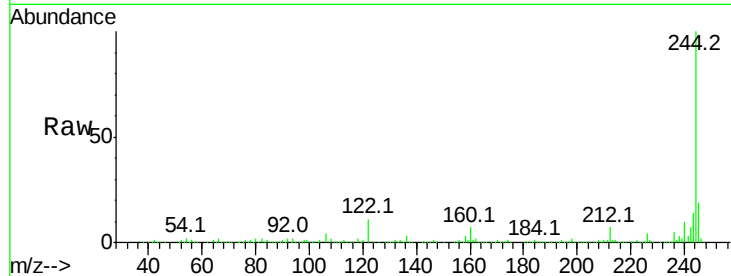
Tot Ion:244 Resp: 1137066

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

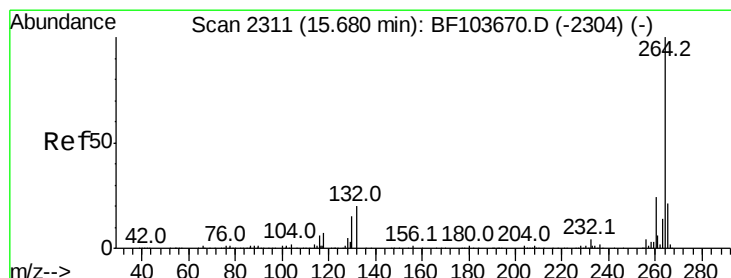
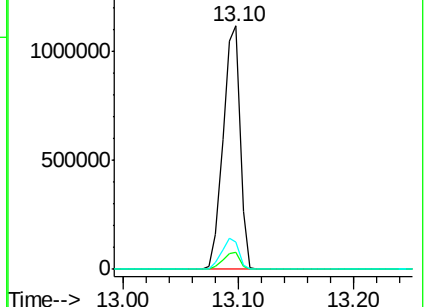
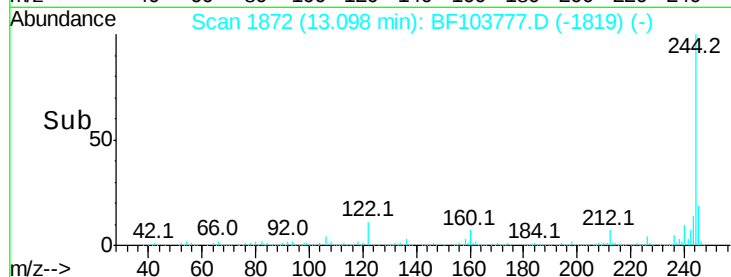
122 11.4 11.0 16.4



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: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103777.D

Acq: 20 Mar 2018 00:58

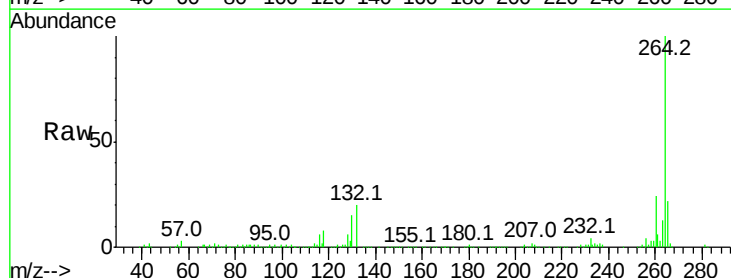
Tgt Ion:264 Resp: 264497

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.4 17.5 26.3



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

