

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085547.D
 Acq On : 19 Mar 2016 1:57
 Operator : UM/SJ
 Sample : PB88949BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88949BL

Quant Time: Mar 19 02:31:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	126397	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	538401	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	238059	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	487749	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	417471	20.00	ng	-0.01
86) Perylene-d12	15.43	264	375014	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	963398	128.02	ng	0.01
7) Phenol-d6	6.48	99	1164848	120.69	ng	-0.01
23) Nitrobenzene-d5	7.42	82	759443	81.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	316961	135.92	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1160885	82.59	ng	-0.01
78) Terphenyl-d14	12.96	244	1314581	75.77	ng	0.00

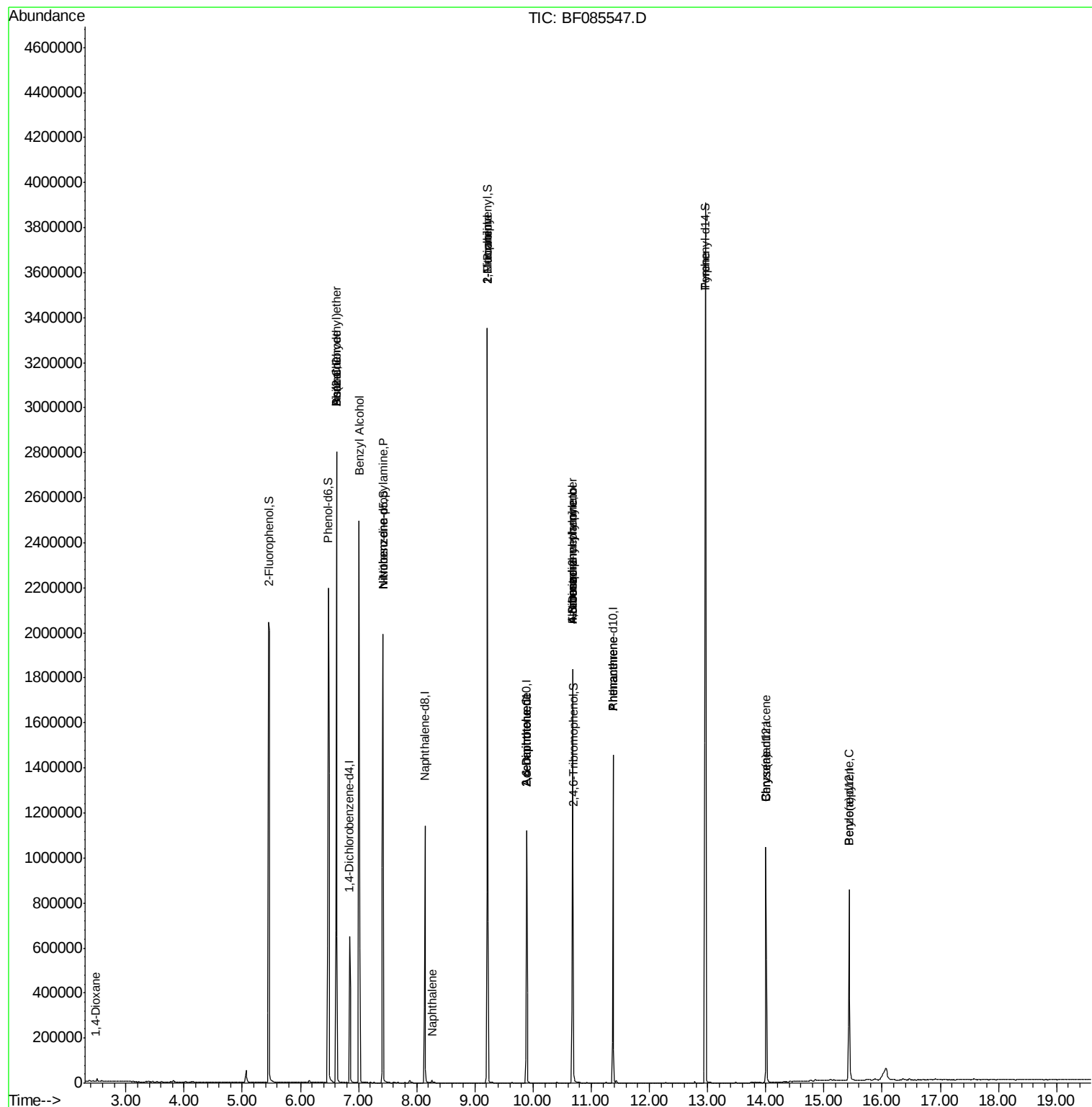
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.48	88	265	0.07	ng	# 1
6) Aniline	6.62	93	1261	0.10	ng	# 1
9) Benzaldehyde	6.62	77	18901	2.01	ng	83
10) Phenol	6.62	94	1800	0.16	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1261	0.15	ng	# 1
15) Benzyl Alcohol	7.01	79	11363	1.72	ng	# 49
19) n-Nitroso-di-n-propylamine	7.42	70	101081	17.53	ng	# 77
24) Nitrobenzene	7.42	77	2008	0.20	ng	# 40
31) Naphthalene	8.26	128	1110	0.04	ng	# 1
45) 1,1'-Biphenyl	9.21	154	2385	0.12	ng	# 1
47) 2-Nitroaniline	9.21	65	1745	0.38	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	30100	7.94	ng	# 19
51) Acenaphthene	9.89	154	936	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.89	165	30101	6.06	ng	# 37
57) Fluorene	10.68	166	12695	0.82	ng	# 93
62) Azobenzene	10.68	77	1458	0.09	ng	# 11
64) 4,6-Dinitro-2-methylphenol	10.68	198	652	0.21	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	8337	0.55	ng	# 44
66) 4-Bromophenyl-phenylether	10.68	248	18994	3.90	ng	# 1
70) Phenanthrene	11.37	178	230	0.01	ng	# 1
71) Anthracene	11.37	178	230	0.01	ng	# 1
77) Pyrene	12.96	202	4577	0.15	ng	# 69
80) Benzo(a)anthracene	14.00	228	1119	0.05	ng	# 51
82) Chrysene	14.00	228	1119	0.05	ng	# 49
89) Benzo(a)pyrene	15.43	252	1136	0.05	ng	# 58

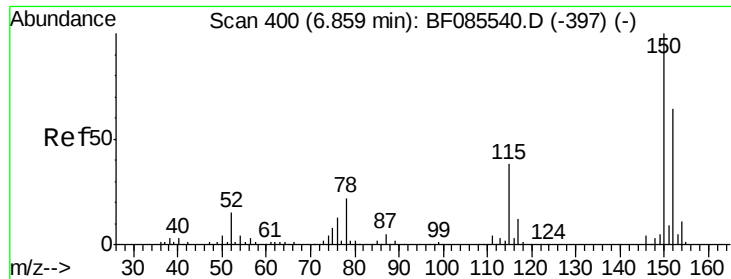
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085547.D
Acq On : 19 Mar 2016 1:57
Operator : UM/SJ
Sample : PB88949BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB88949BL

Quant Time: Mar 19 02:31:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

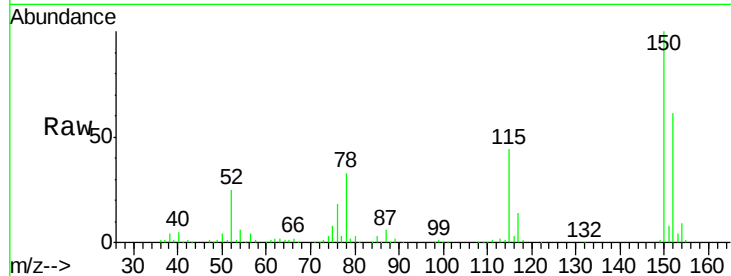
Tgt Ion:152 Resp: 126397

Ion Ratio Lower Upper

152 100

150 163.2 124.2 186.2

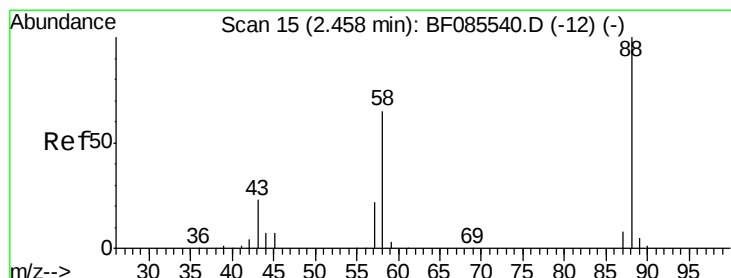
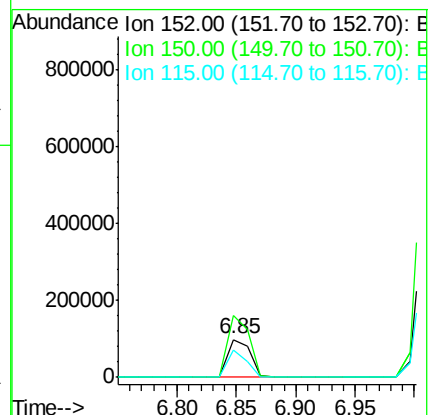
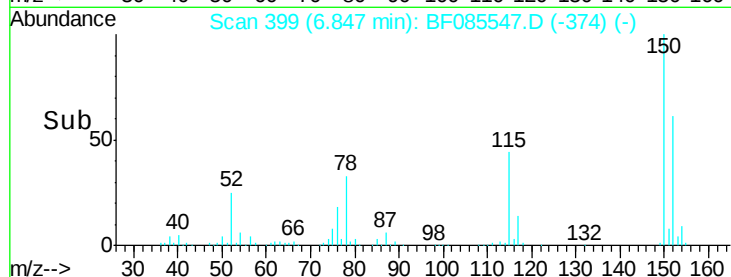
115 72.1 47.0 70.6#



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



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 2.48 min Scan# 17

Delta R.T. 0.02 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

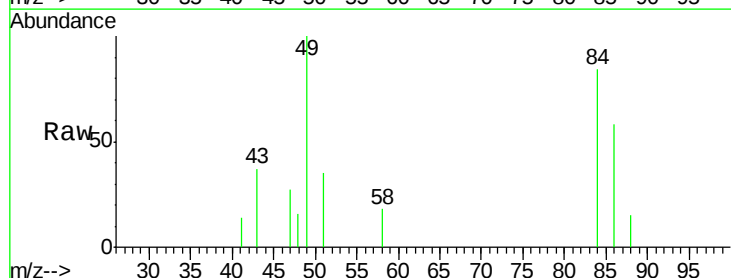
Tgt Ion: 88 Resp: 265

Ion Ratio Lower Upper

88 100

58 474.7 54.2 81.2#

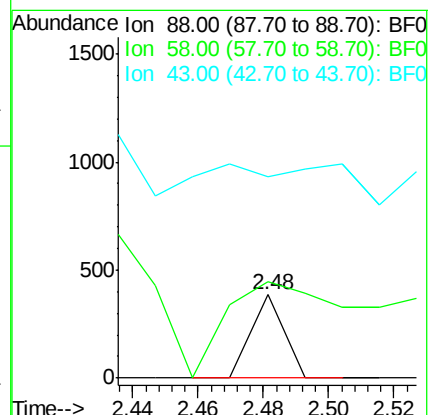
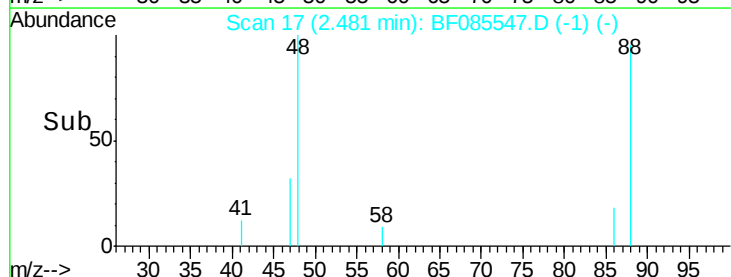
43 0.0 19.3 28.9#

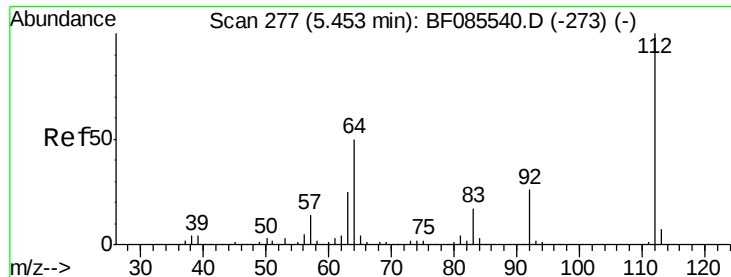


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 128.02 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

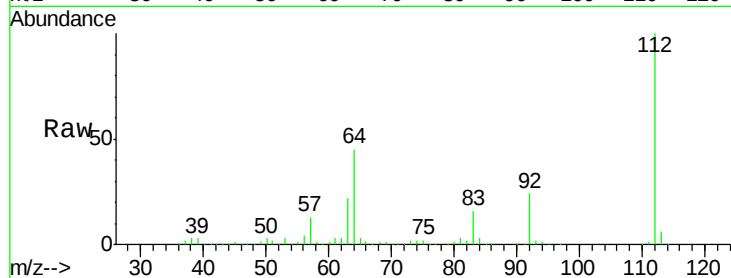
Tgt Ion: 112 Resp: 963398

Ion Ratio Lower Upper

112 100

64 44.5 39.9 59.9

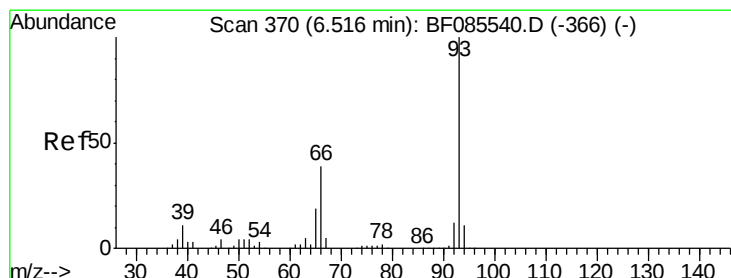
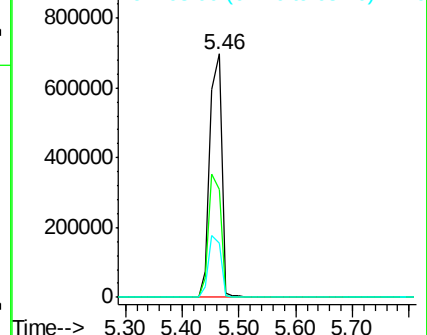
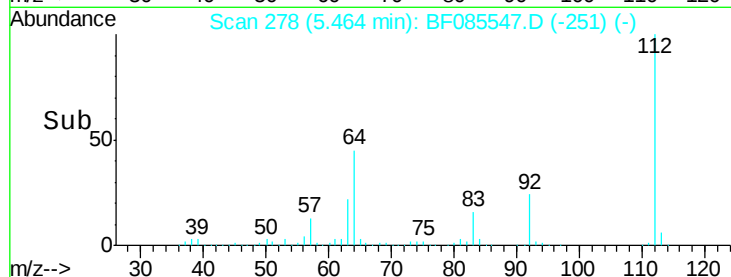
63 22.1 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.10 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.10 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

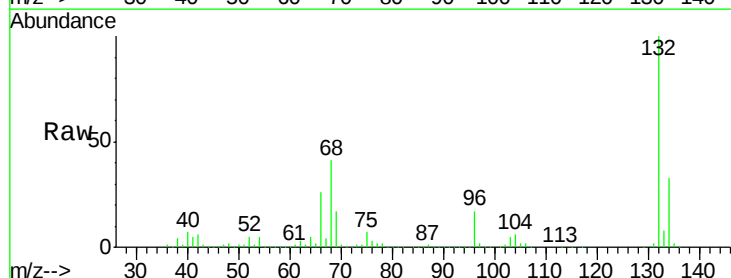
Tgt Ion: 93 Resp: 1261

Ion Ratio Lower Upper

93 100

66 18351.4 31.4 47.2#

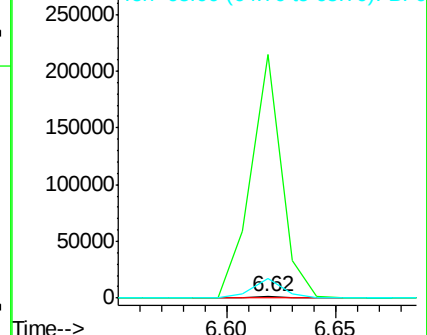
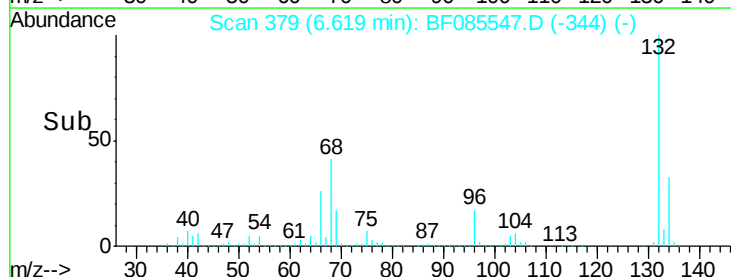
65 1436.4 15.7 23.5#

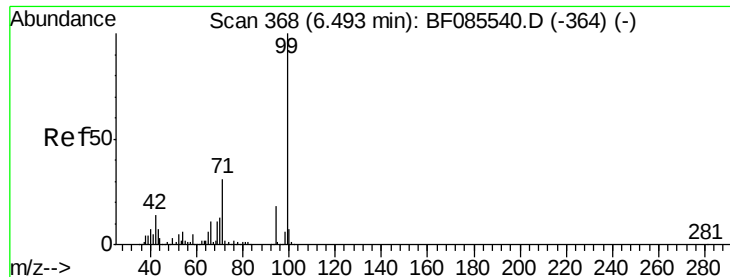


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.69 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampled :

PB88949BL

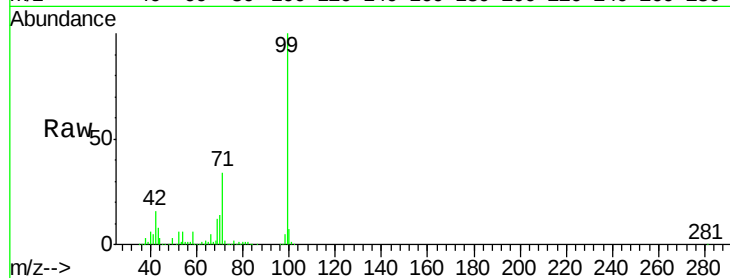
Tgt Ion: 99 Resp: 1164848

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

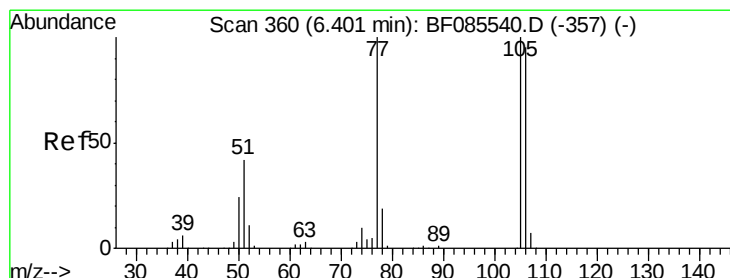
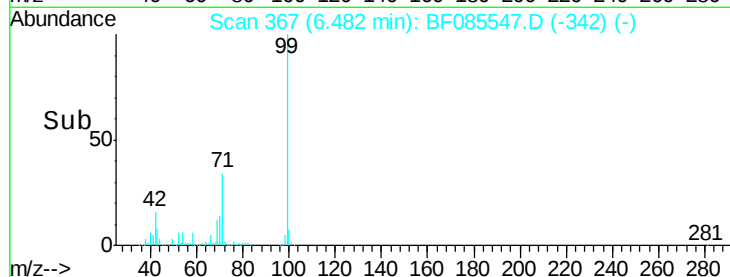
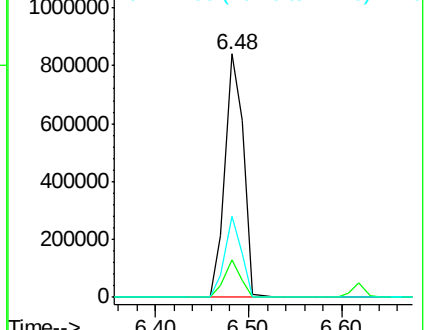
71 33.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.01 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.22 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

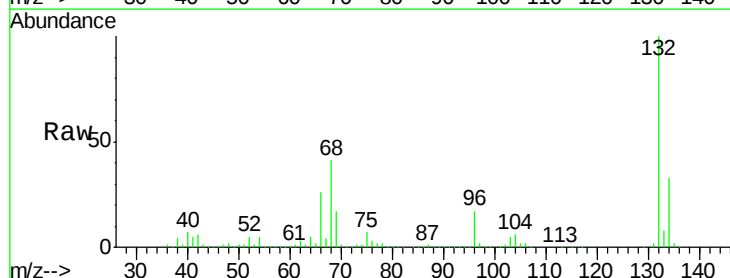
Tgt Ion: 77 Resp: 18901

Ion Ratio Lower Upper

77 100

105 82.0 80.1 120.1

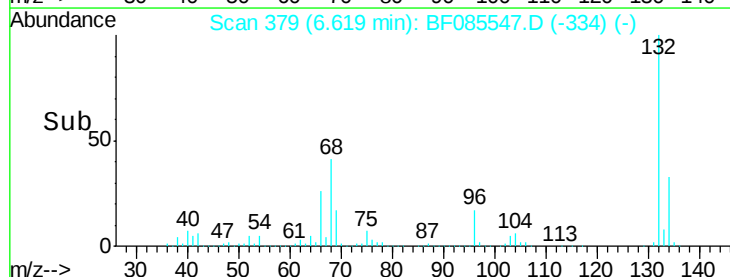
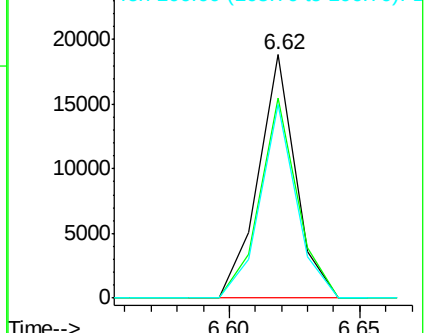
106 79.7 75.0 115.0

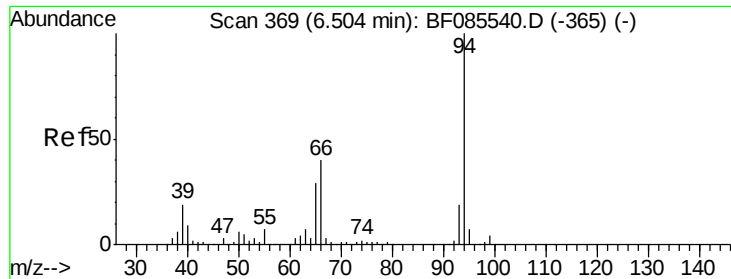


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 0.16 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.11 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

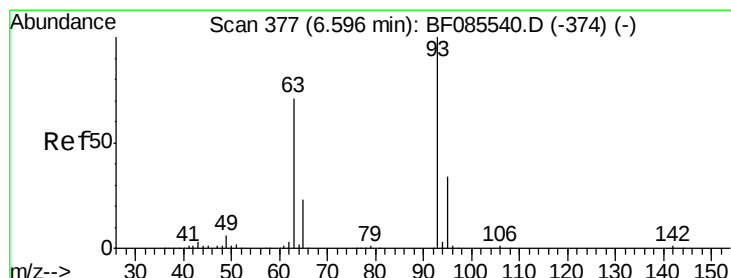
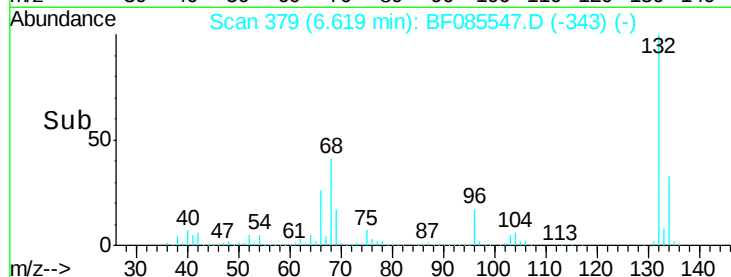
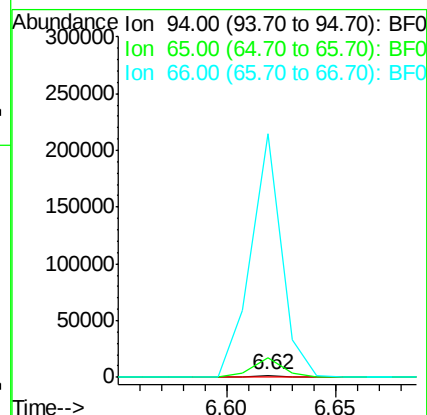
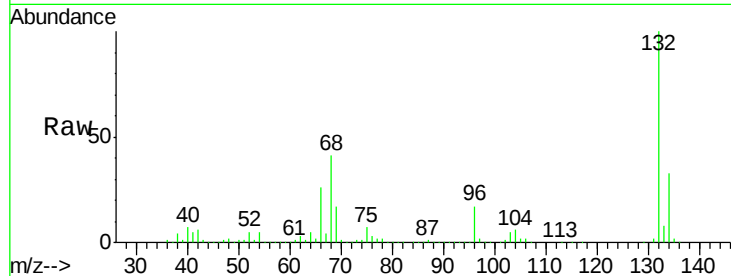
Tgt Ion: 94 Resp: 1800

Ion Ratio Lower Upper

94 100

65 937.6 8.6 48.6#

66 11978.1 20.0 60.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.02 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

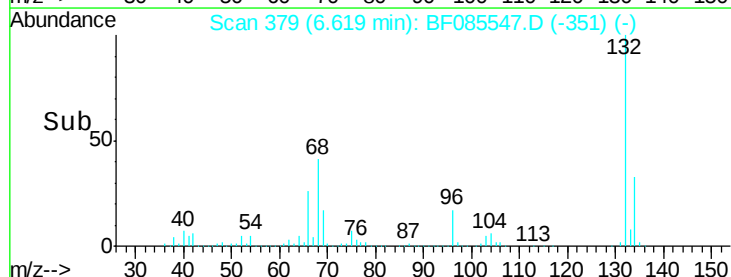
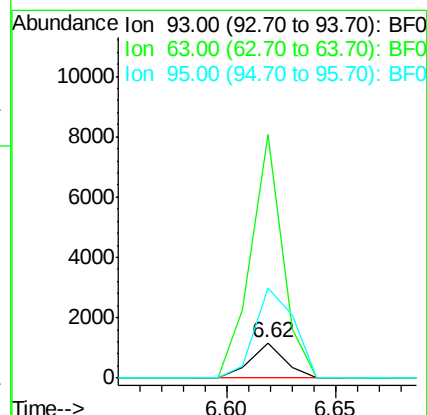
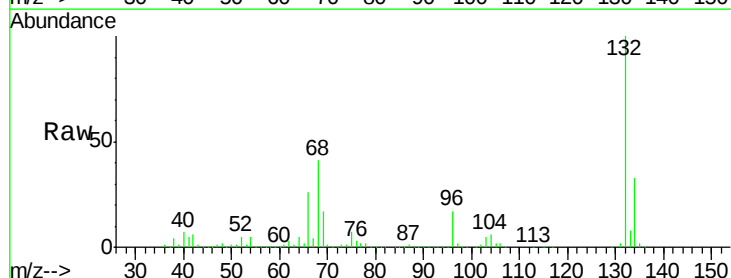
Tgt Ion: 93 Resp: 1261

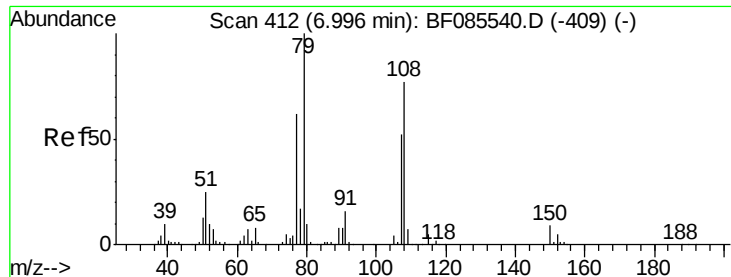
Ion Ratio Lower Upper

93 100

63 690.2 50.9 90.9#

95 253.5 13.3 53.3#





#15

Benzyl Alcohol

Concen: 1.72 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

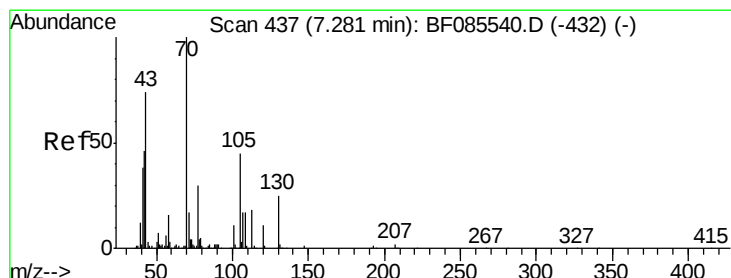
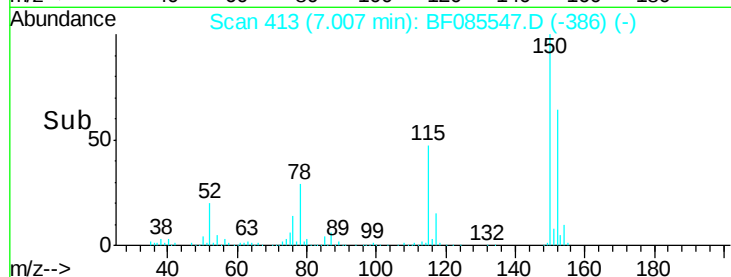
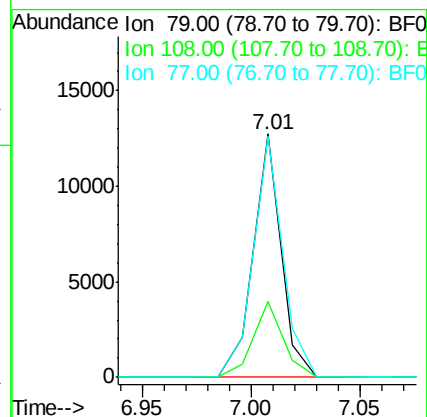
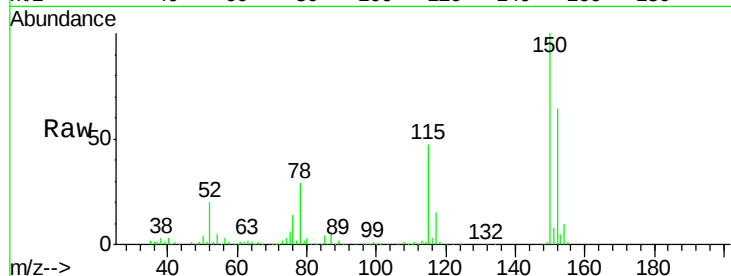
Tgt Ion: 79 Resp: 11363

Ion Ratio Lower Upper

79 100

108 31.3 61.8 92.6#

77 98.8 49.6 74.4#



#19

n-Nitroso-di-n-propylamine

Concen: 17.53 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Tgt Ion: 70 Resp: 101081

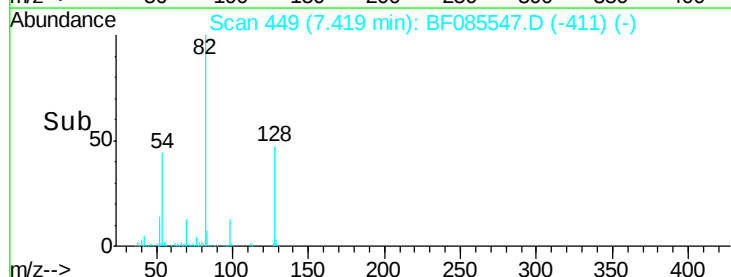
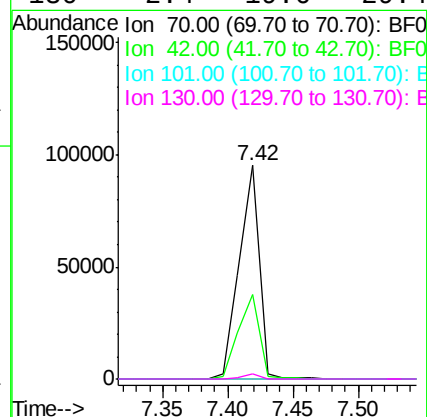
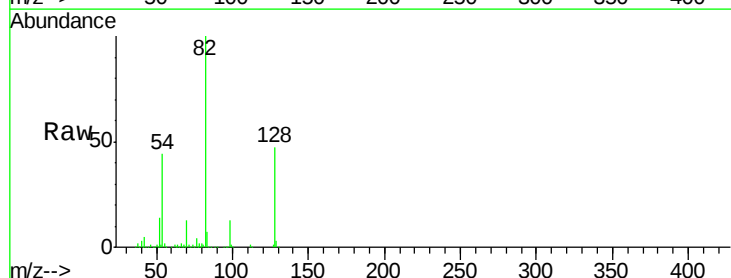
Ion Ratio Lower Upper

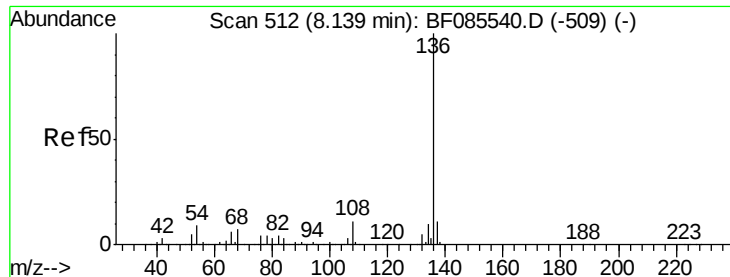
70 100

42 39.3 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

Tgt Ion: 136 Resp: 538401

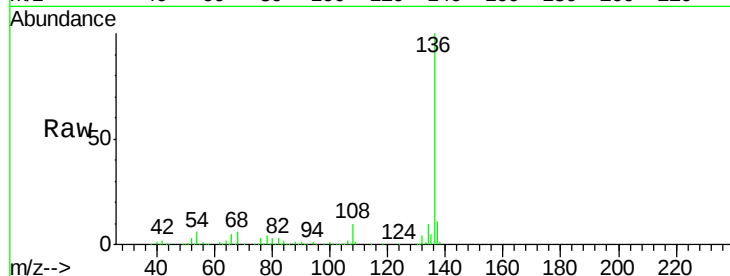
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.4 7.4 11.0#

68 5.6 5.8 8.8#

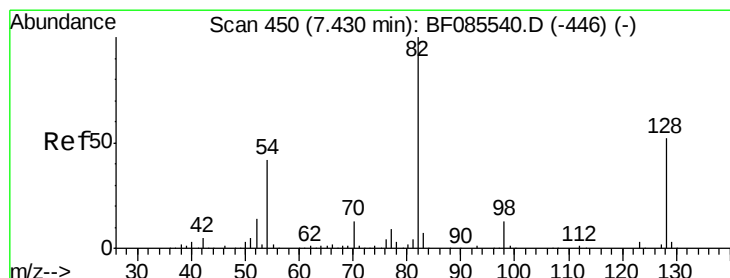
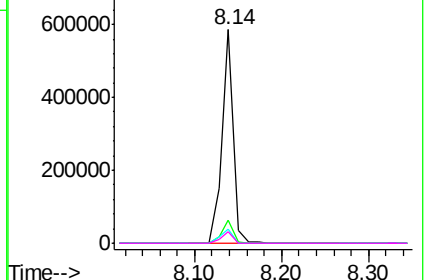
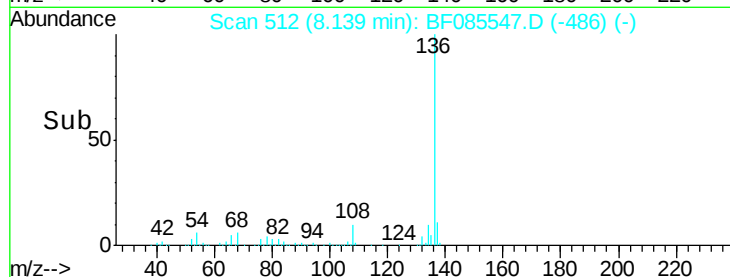


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 81.88 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

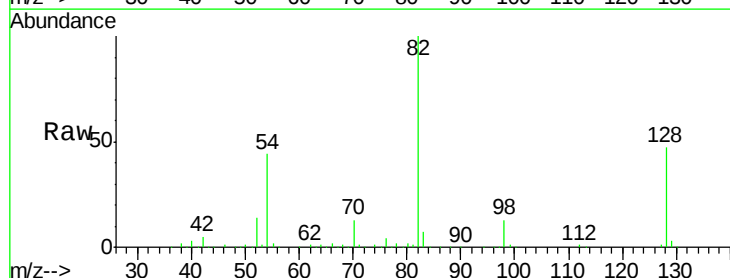
Tgt Ion: 82 Resp: 759443

Ion Ratio Lower Upper

82 100

128 47.2 41.8 62.8

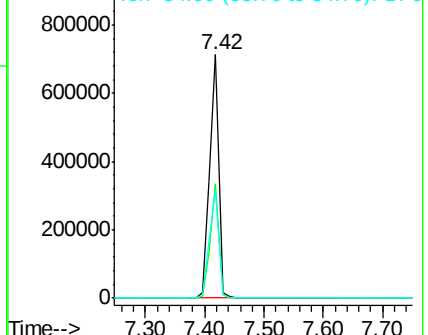
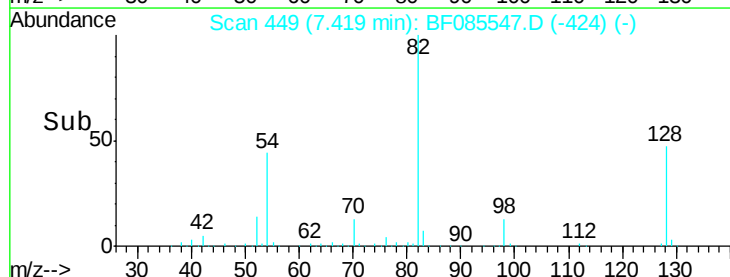
54 44.1 33.4 50.0

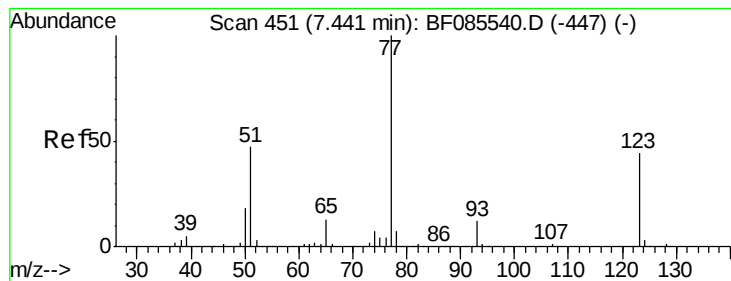


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 0.20 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

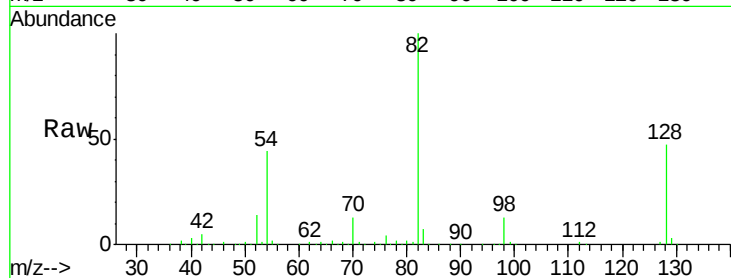
Tgt Ion: 77 Resp: 2008

Ion Ratio Lower Upper

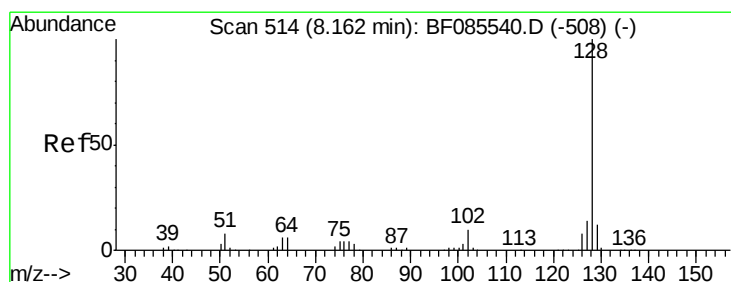
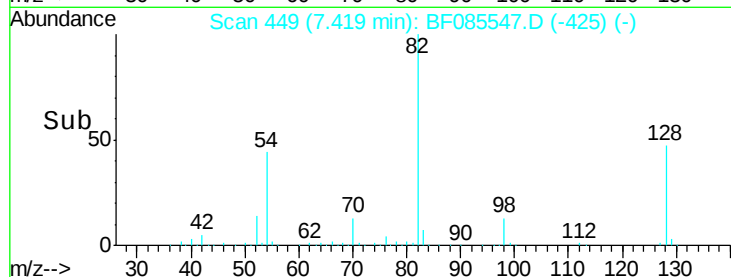
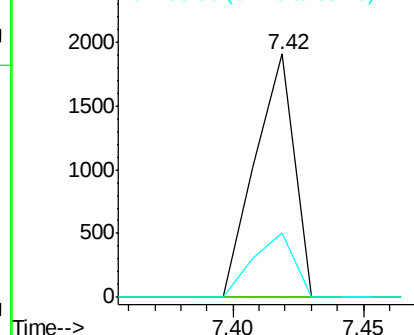
77 100

123 0.0 35.0 52.4#

65 26.7 10.6 16.0#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0



#31

Naphthalene

Concen: 0.04 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.10 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

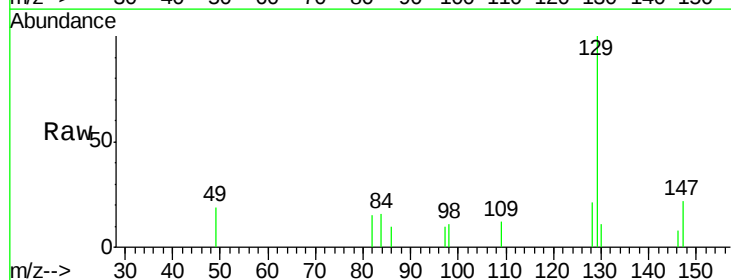
Tgt Ion: 128 Resp: 1110

Ion Ratio Lower Upper

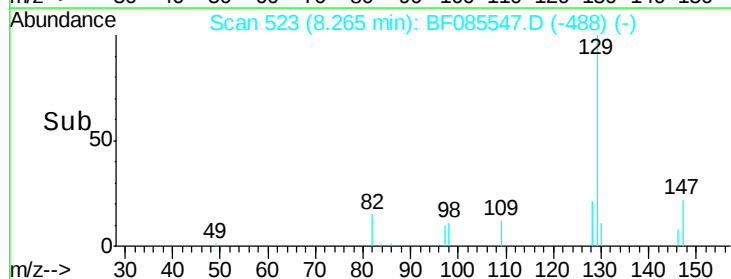
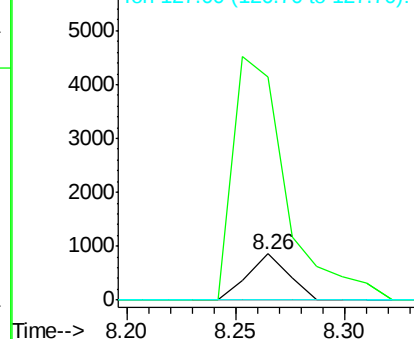
128 100

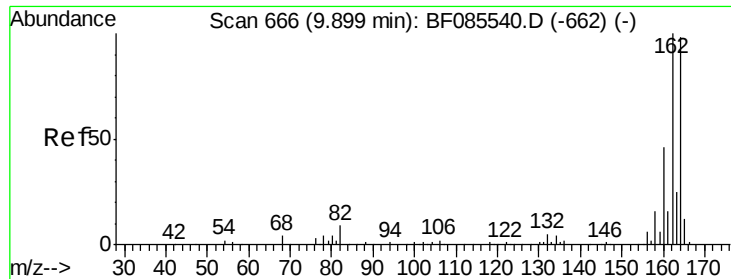
129 484.8 9.4 14.0#

127 0.0 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

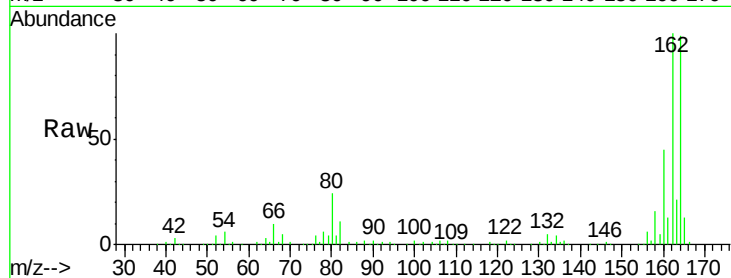
Tgt Ion:164 Resp: 238059

Ion Ratio Lower Upper

164 100

162 101.4 82.1 123.1

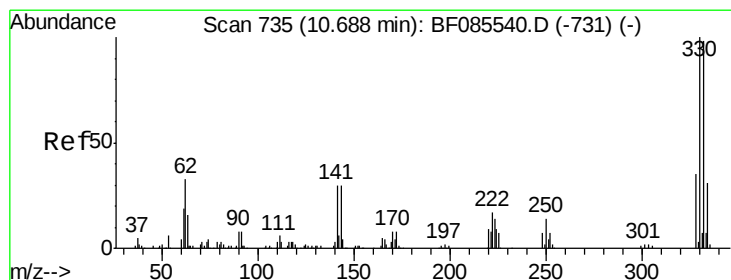
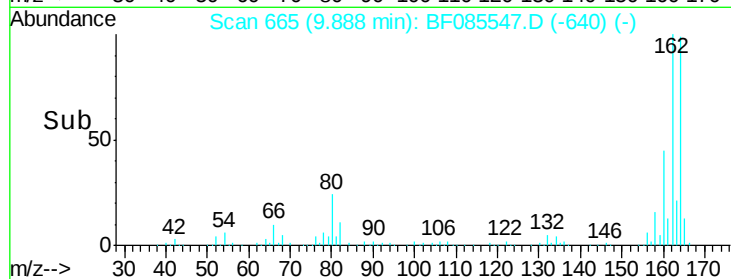
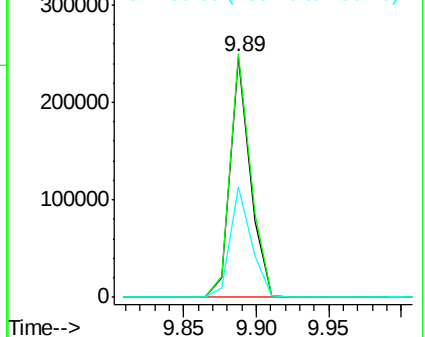
160 46.1 37.4 56.2



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: 135.92 ng

RT: 10.69 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

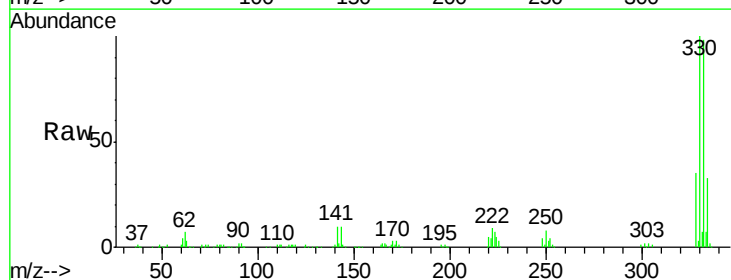
Tgt Ion:330 Resp: 316961

Ion Ratio Lower Upper

330 100

332 96.2 78.2 117.2

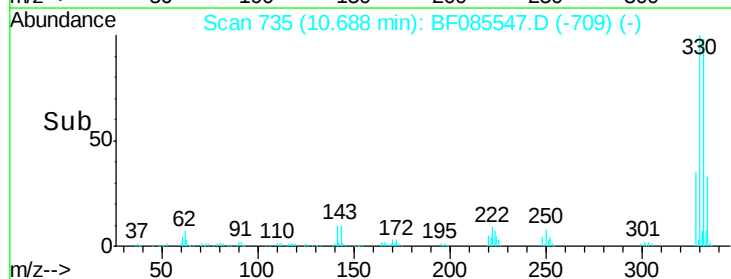
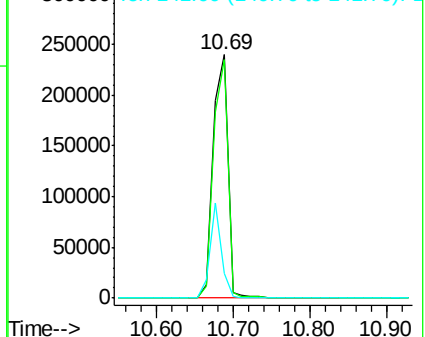
141 31.0 31.5 47.3#

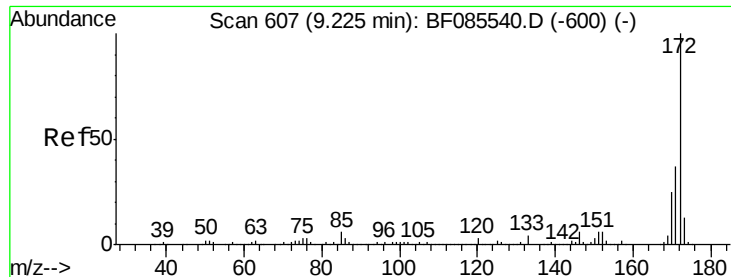


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

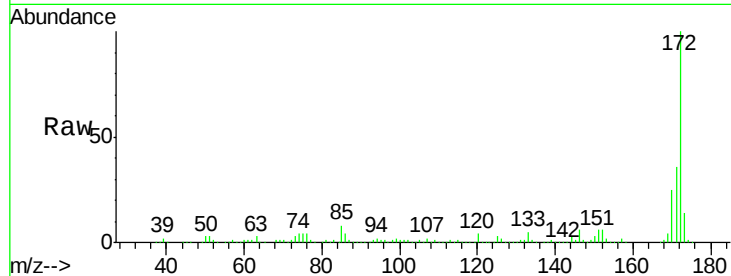




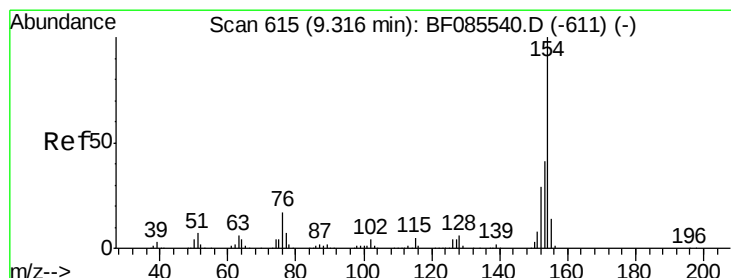
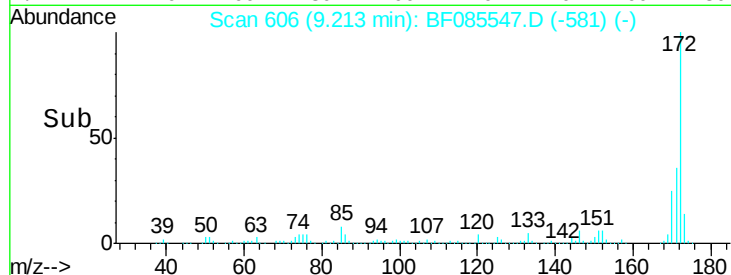
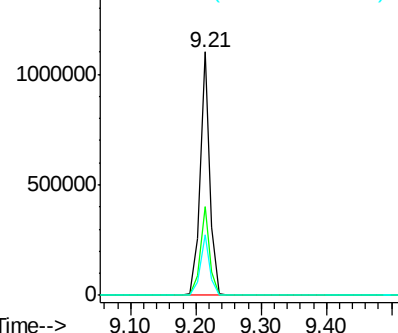
#44
 2-Fluorobiphenyl
 Concen: 82.59 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085547.D
 Acq: 19 Mar 2016 1:57

Instrument :
 BNA_F
 ClientSampled :
 PB88949BL

Tgt Ion:172 Resp: 1160885
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.2
 170 24.8 19.8 29.6

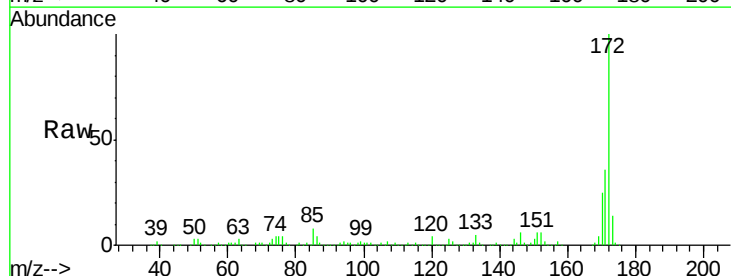


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

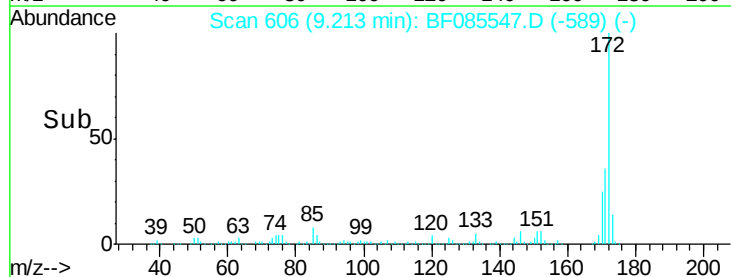
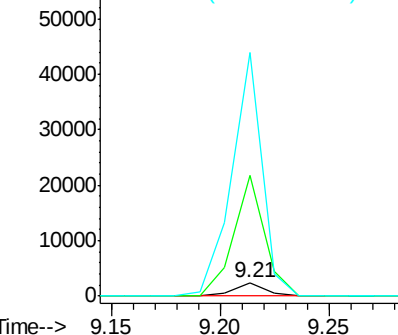


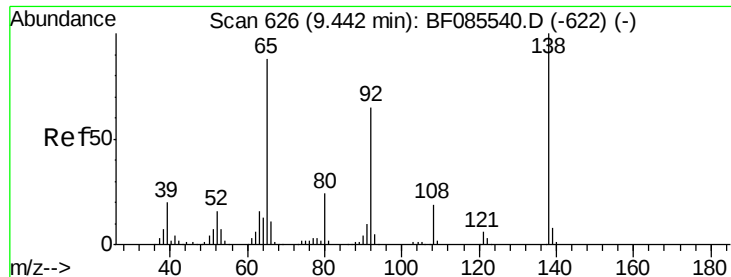
#45
 1,1'-Biphenyl
 Concen: 0.12 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.10 min
 Lab File: BF085547.D
 Acq: 19 Mar 2016 1:57

Tgt Ion:154 Resp: 2385
 Ion Ratio Lower Upper
 154 100
 153 907.9 20.8 60.8#
 76 1834.2 0.0 36.7#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

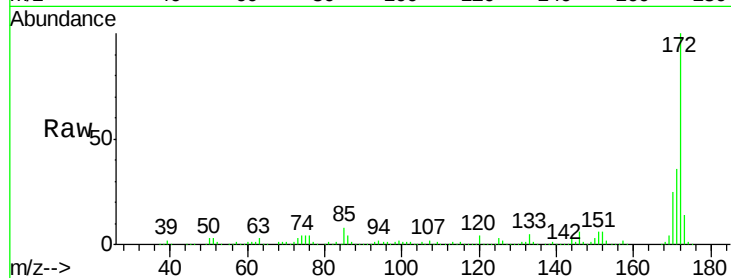




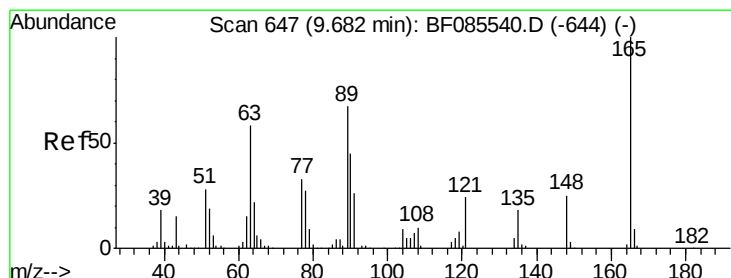
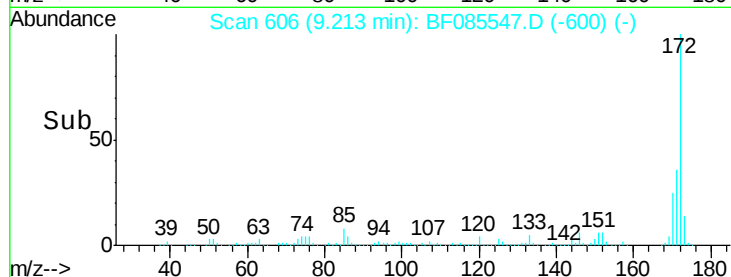
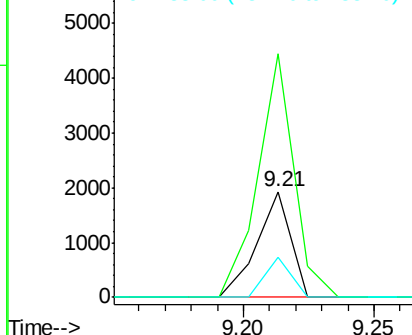
#47
2-Nitroaniline
Concen: 0.38 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.23 min
Lab File: BF085547.D
Acq: 19 Mar 2016 1:57

Instrument :
BNA_F
ClientSampleId :
PB88949BL

Tgt Ion: 65 Resp: 1745
Ion Ratio Lower Upper
65 100
92 230.3 59.7 89.5#
138 38.3 91.4 137.0#

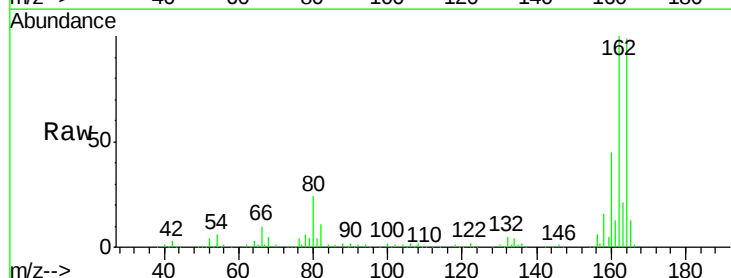


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

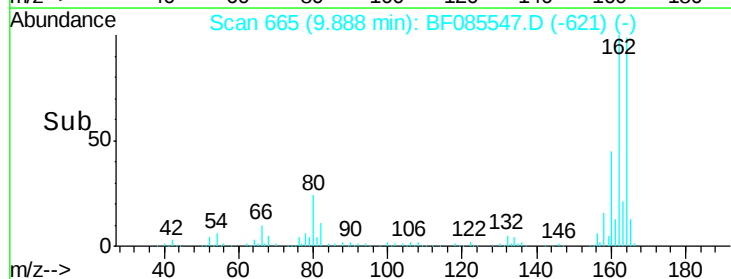
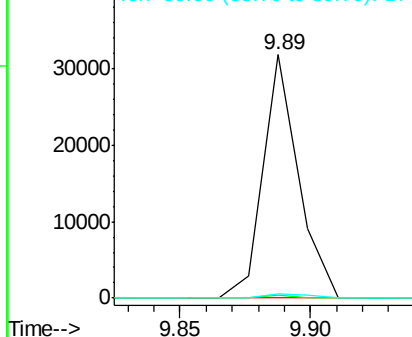


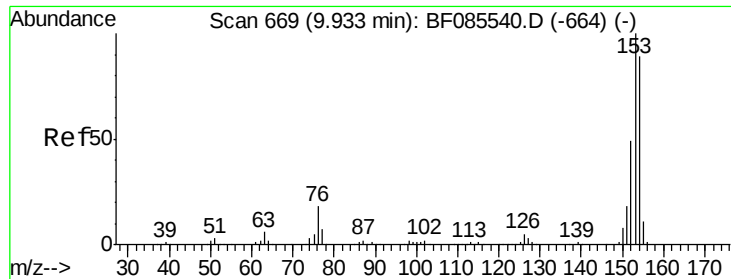
#50
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.89 min Scan# 665
Delta R.T. 0.21 min
Lab File: BF085547.D
Acq: 19 Mar 2016 1:57

Tgt Ion: 165 Resp: 30100
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.8#
89 1.5 53.7 80.5#



Abundance Ion 165.00 (164.70 to 165.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

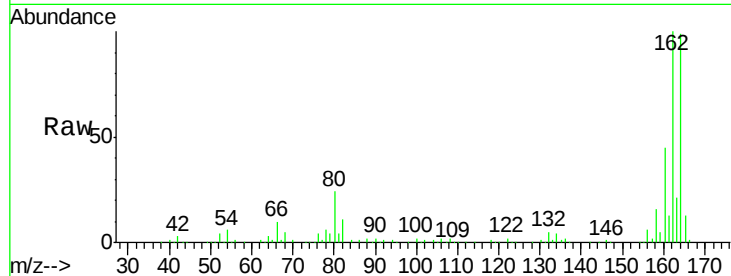
Tgt Ion:154 Resp: 936

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

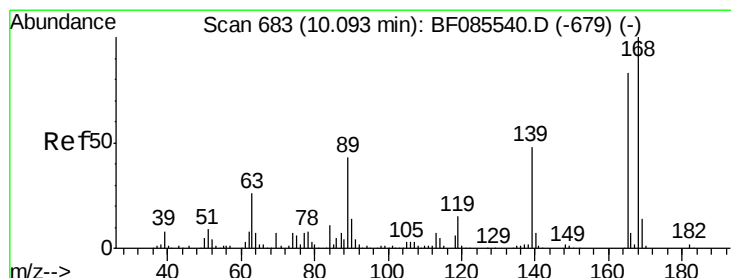
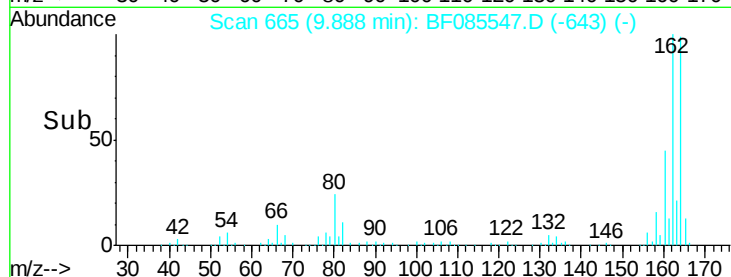
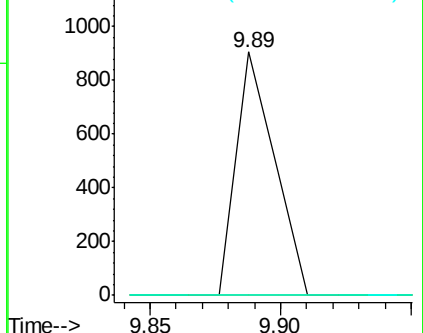
152 0.0 44.2 66.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Tgt Ion:165 Resp: 30101

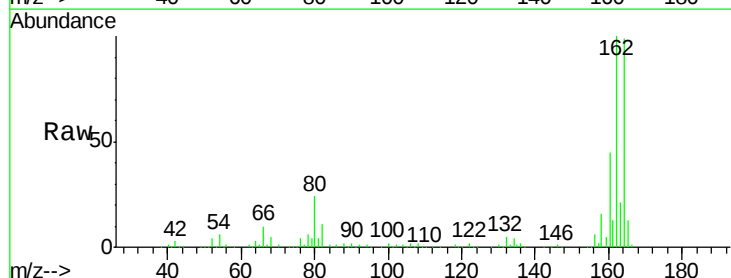
Ion Ratio Lower Upper

165 100

63 1.3 24.9 37.3#

89 1.5 41.0 61.6#

182 0.0 2.1 3.1#

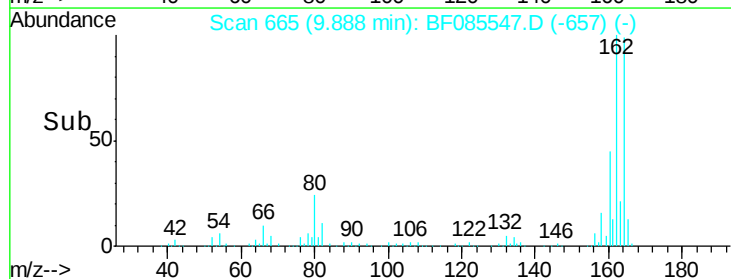
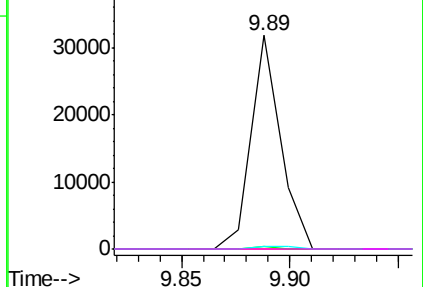


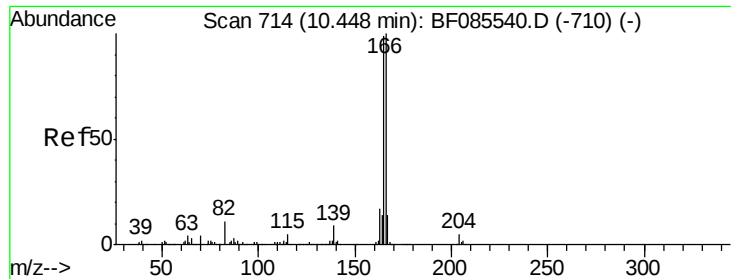
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.82 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.23 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

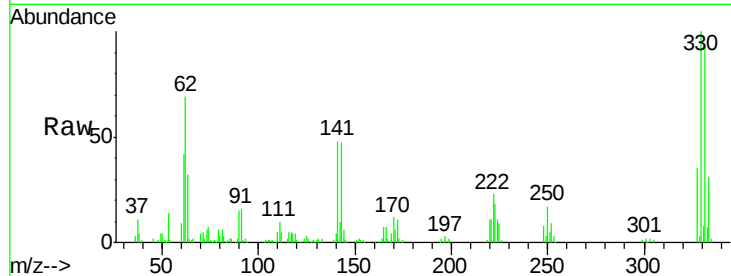
Tgt Ion: 166 Resp: 12695

Ion Ratio Lower Upper

166 100

165 100.8 79.4 119.0

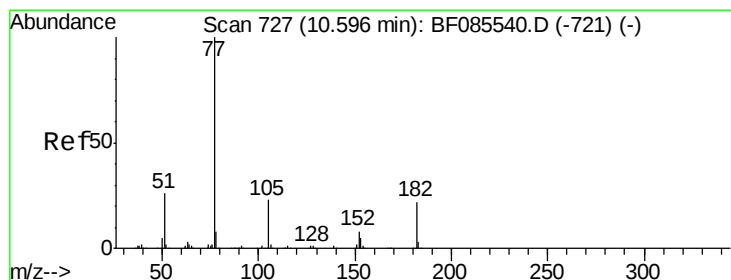
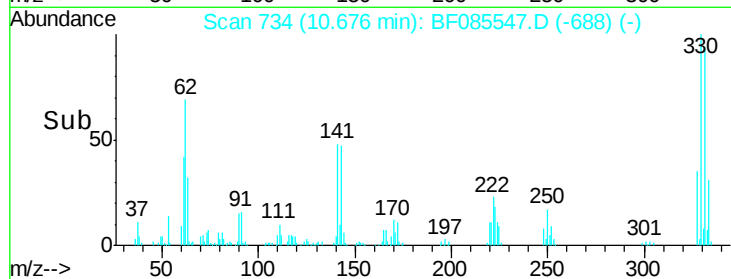
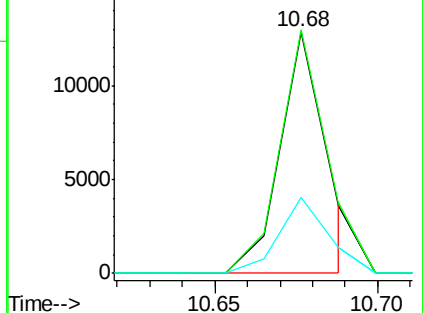
167 31.2 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

Azobenzene

Concen: 0.09 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.08 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Tgt Ion: 77 Resp: 1458

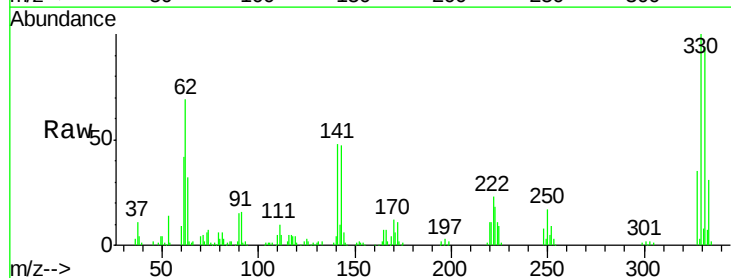
Ion Ratio Lower Upper

77 100

182 0.0 1.9 41.9#

105 84.9 3.5 43.5#

51 73.8 6.3 46.3#

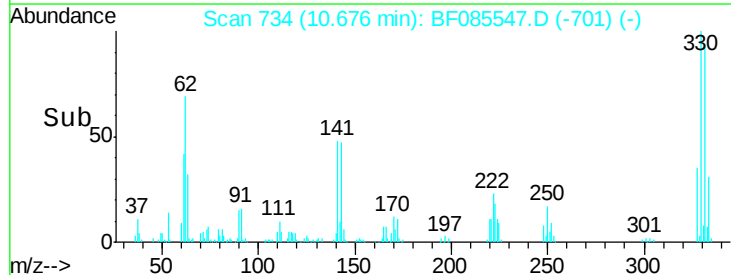
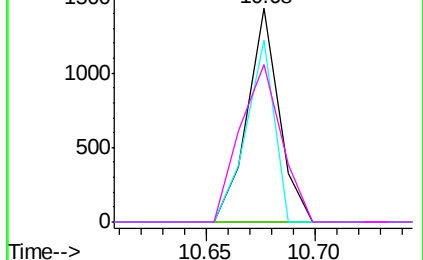


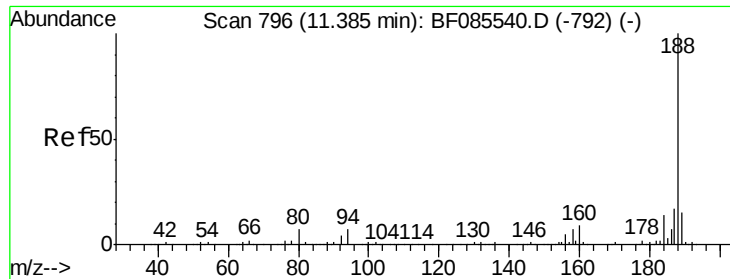
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

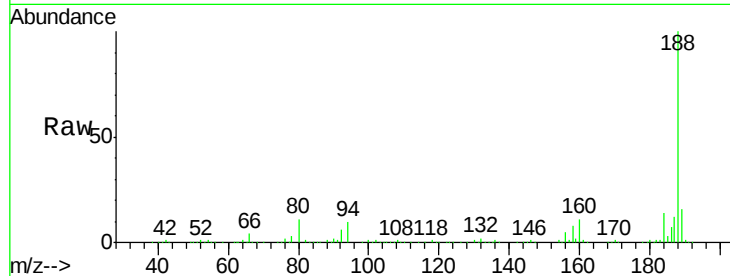




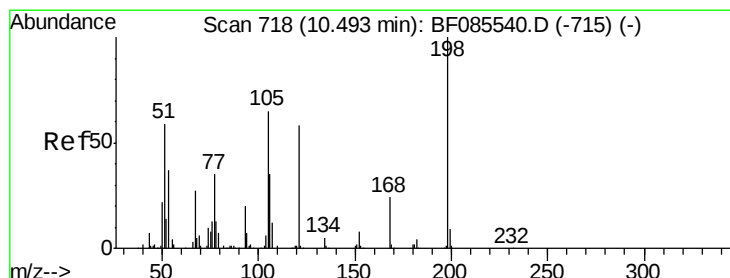
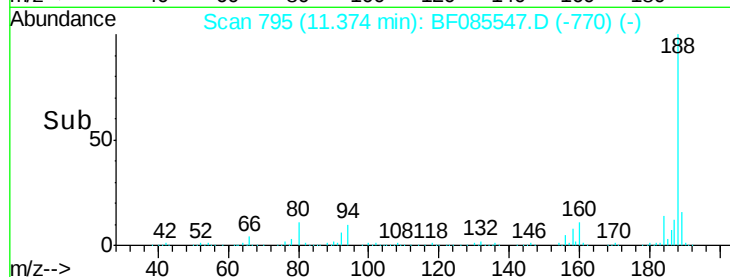
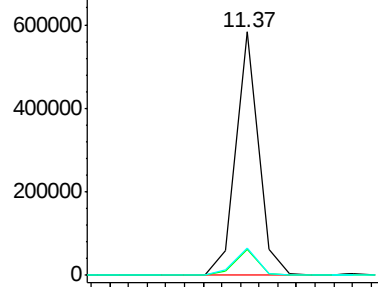
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF085547.D
 Acq: 19 Mar 2016 1:57

Instrument :
 BNA_F
 ClientSampleId :
 PB88949BL

Tgt Ion:188 Resp: 487749
 Ion Ratio Lower Upper
 188 100
 94 10.5 5.4 8.0#
 80 11.2 5.5 8.3#

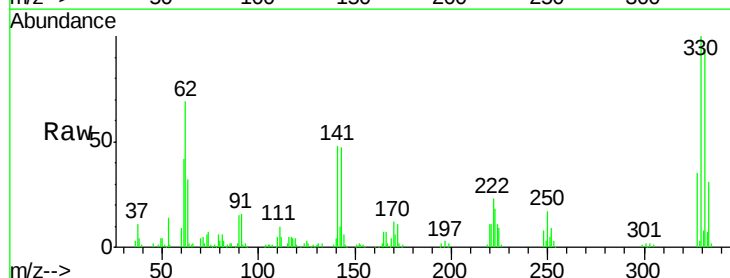


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

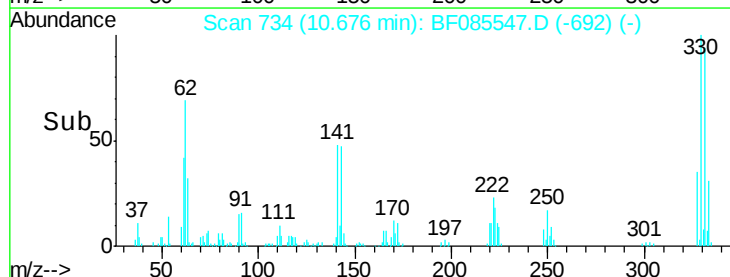
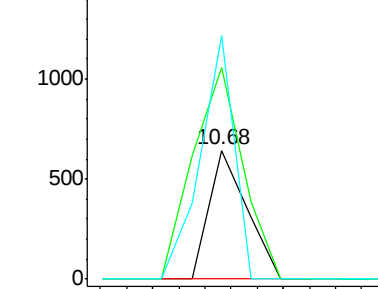


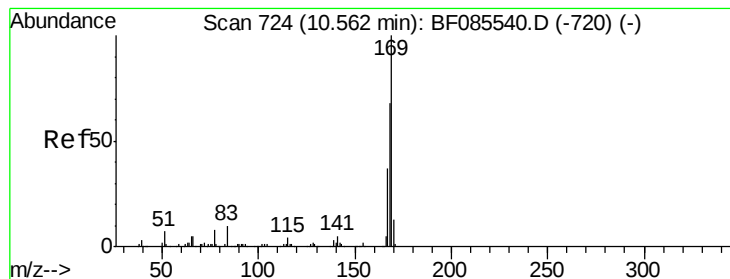
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.21 ng
 RT: 10.68 min Scan# 734
 Delta R.T. 0.18 min
 Lab File: BF085547.D
 Acq: 19 Mar 2016 1:57

Tgt Ion:198 Resp: 652
 Ion Ratio Lower Upper
 198 100
 51 164.5 45.4 85.4#
 105 189.3 45.9 85.9#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 0.55 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.11 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

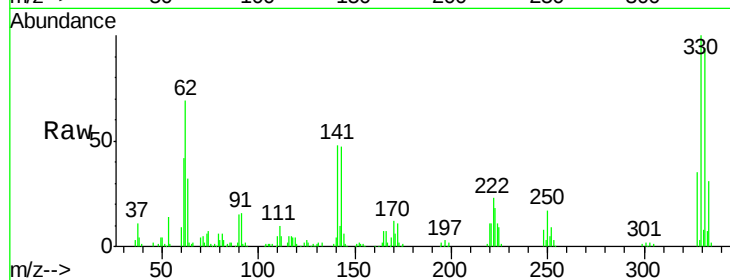
Tgt Ion:169 Resp: 8337

Ion Ratio Lower Upper

169 100

168 7.1 54.4 81.6#

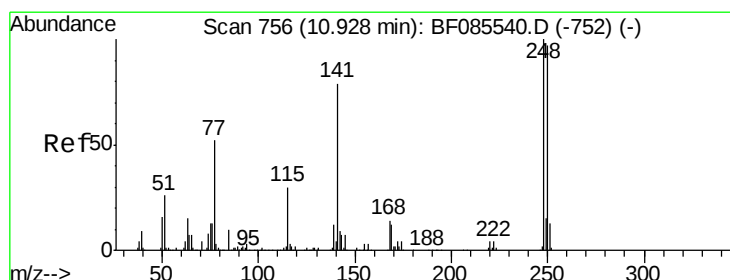
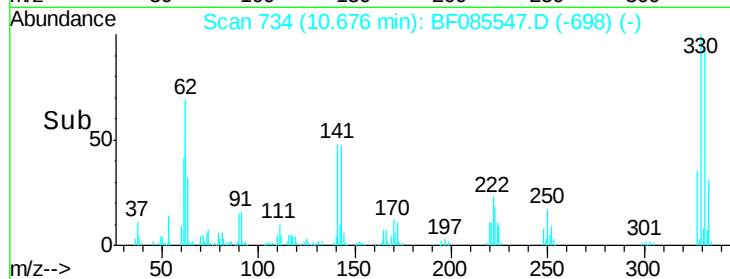
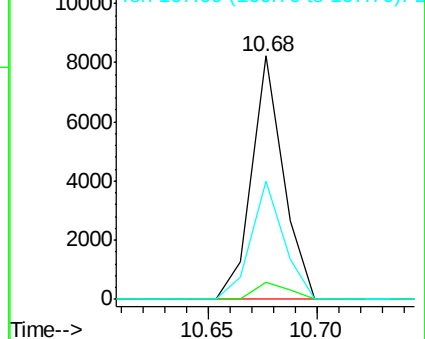
167 48.8 29.4 44.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.90 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.25 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

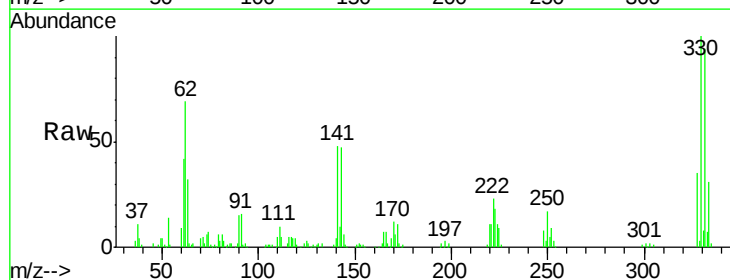
Tgt Ion:248 Resp: 18994

Ion Ratio Lower Upper

248 100

250 203.5 77.4 116.0#

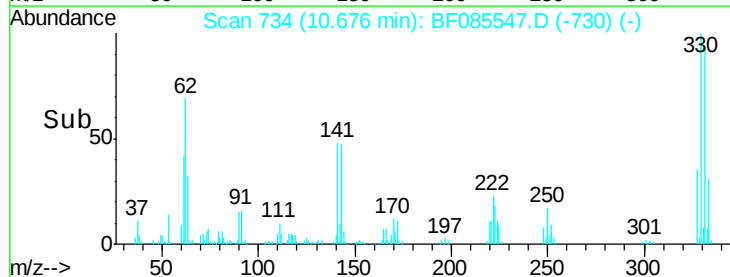
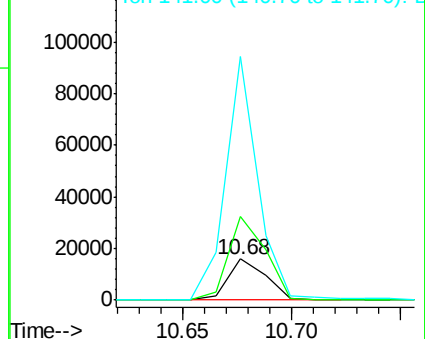
141 589.9 63.6 95.4#

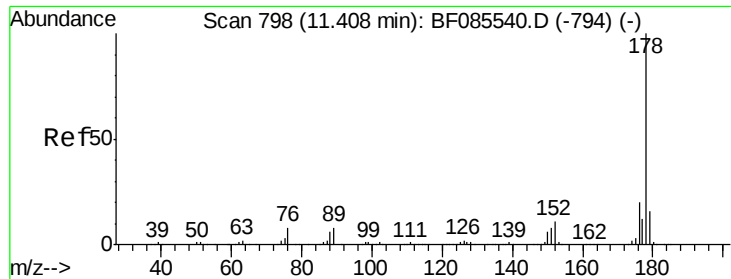


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 0.01 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

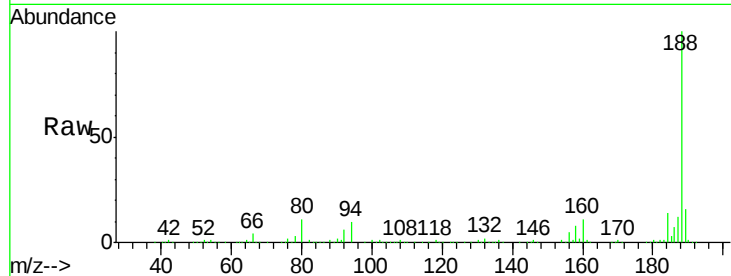
Tgt Ion:178 Resp: 230

Ion Ratio Lower Upper

178 100

176 0.0 16.3 24.5#

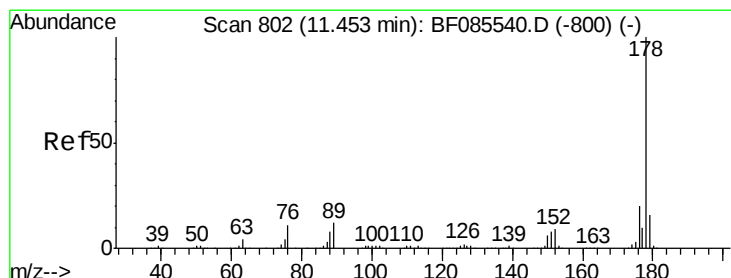
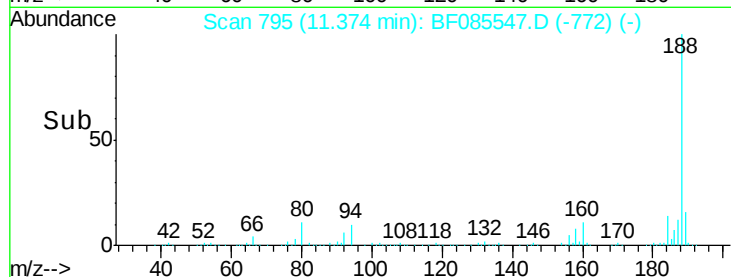
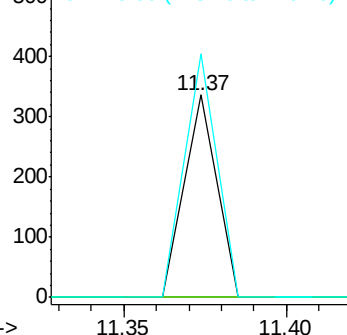
179 120.2 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.01 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.08 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

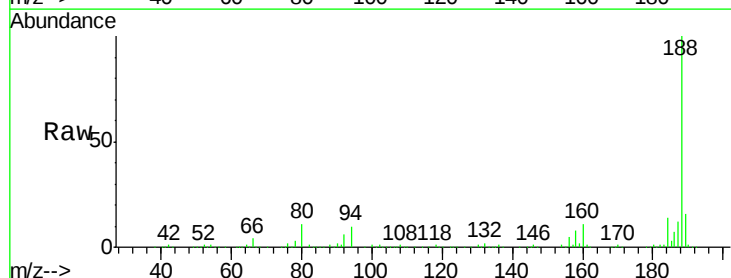
Tgt Ion:178 Resp: 230

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

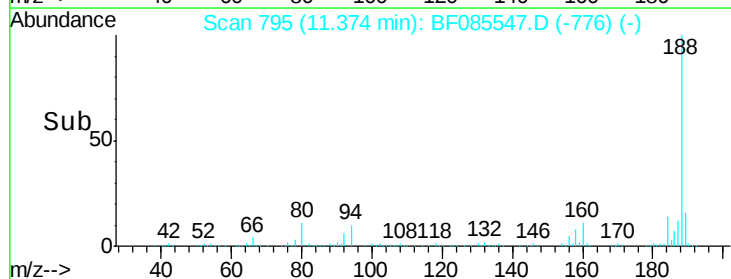
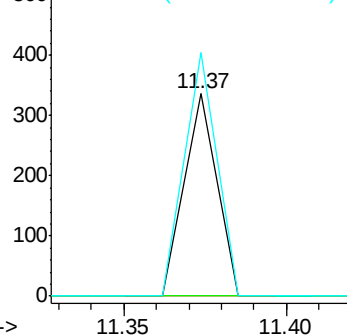
179 120.2 13.0 19.4#

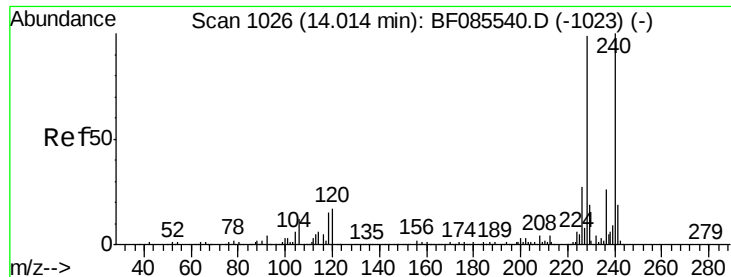


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

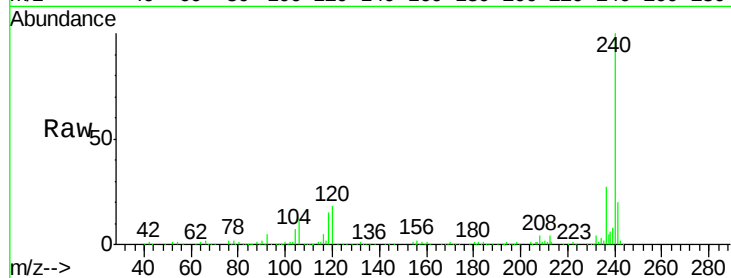
Tgt Ion:240 Resp: 417471

Ion Ratio Lower Upper

240 100

120 17.6 13.8 20.8

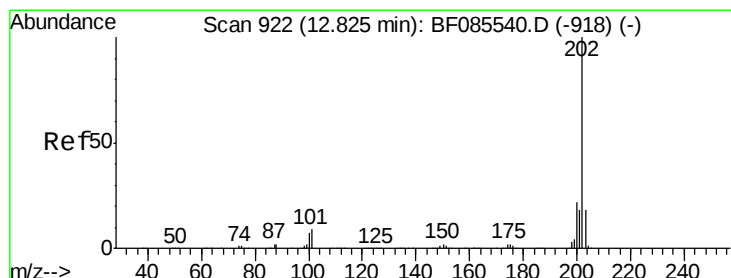
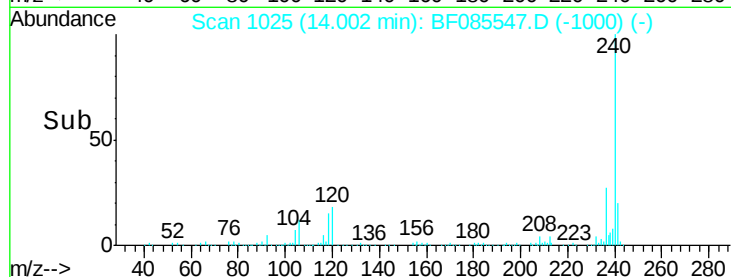
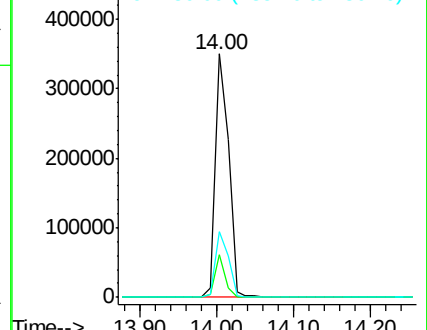
236 26.9 20.6 30.8



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



#77

Pyrene

Concen: 0.15 ng

RT: 12.96 min Scan# 934

Delta R.T. 0.14 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

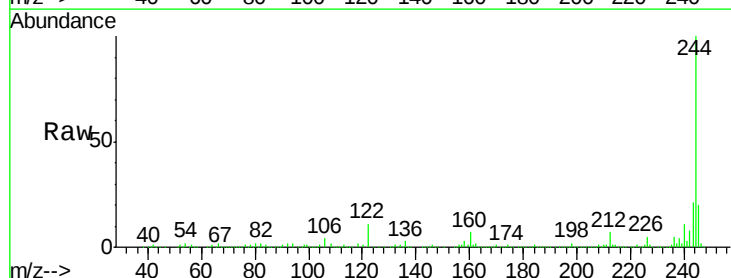
Tgt Ion:202 Resp: 4577

Ion Ratio Lower Upper

202 100

200 47.4 17.6 26.4#

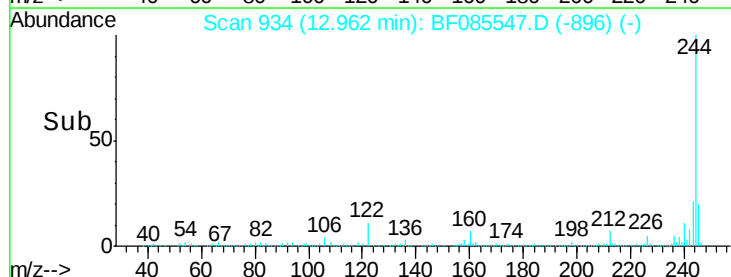
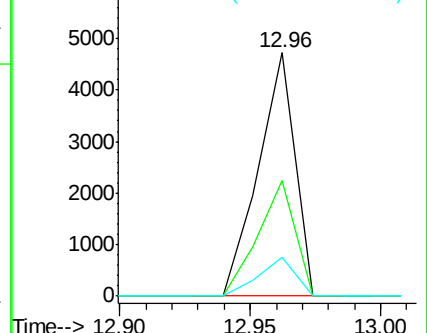
203 16.0 14.0 21.0

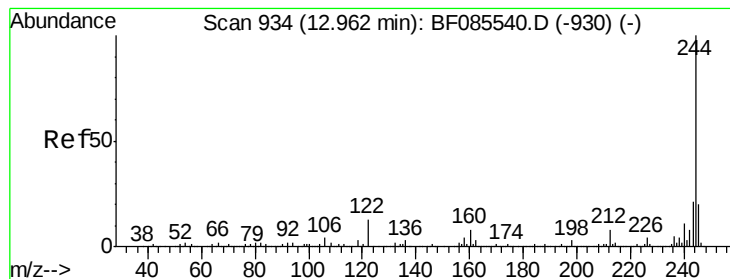


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.77 ng

RT: 12.96 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

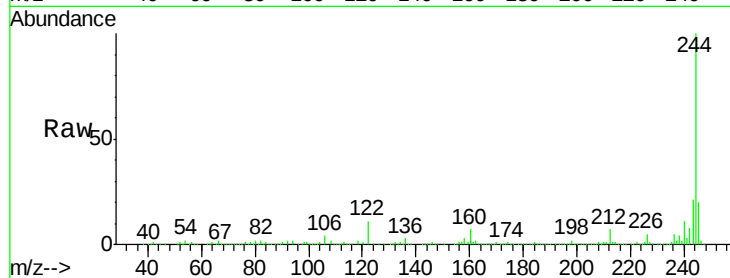
Tgt Ion:244 Resp: 1314581

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

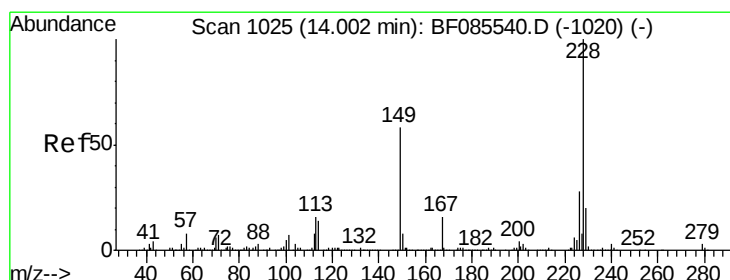
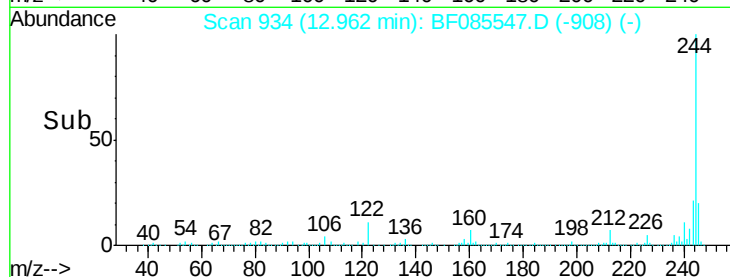
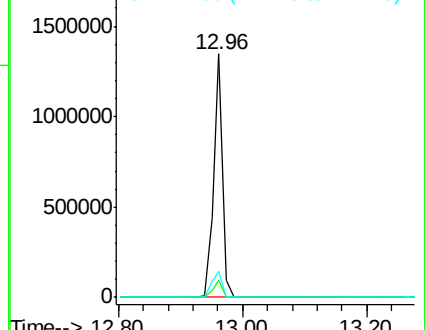
122 10.9 10.2 15.4



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



#80

Benzo(a)anthracene

Concen: 0.05 ng

RT: 14.00 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

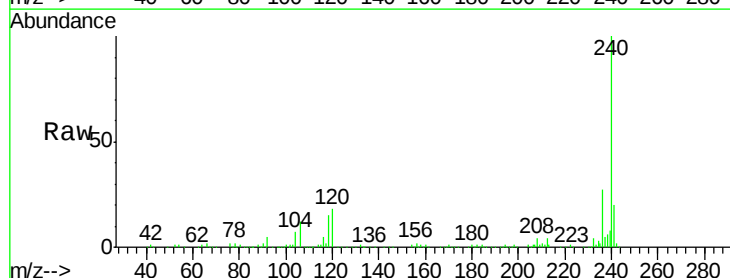
Tgt Ion:228 Resp: 1119

Ion Ratio Lower Upper

228 100

226 0.0 22.1 33.1#

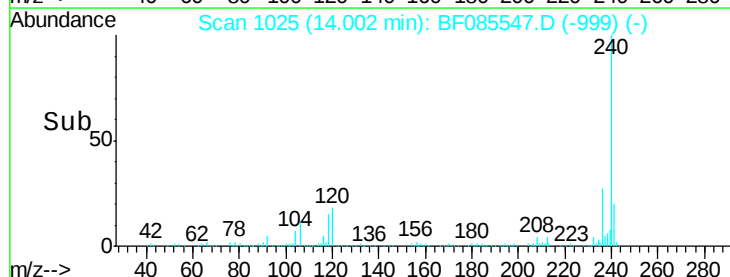
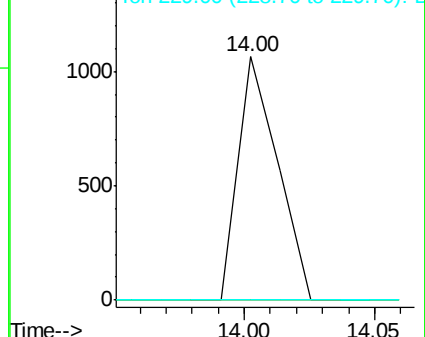
229 0.0 16.2 24.4#

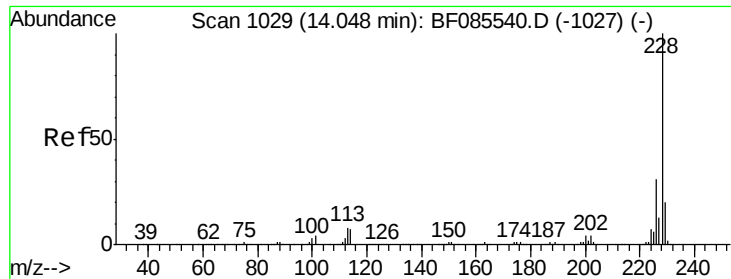


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.05 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL

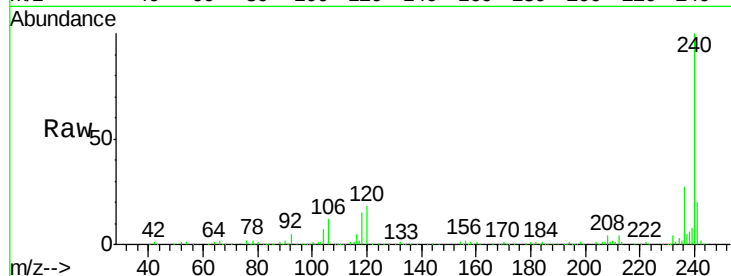
Tgt Ion:228 Resp: 1119

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

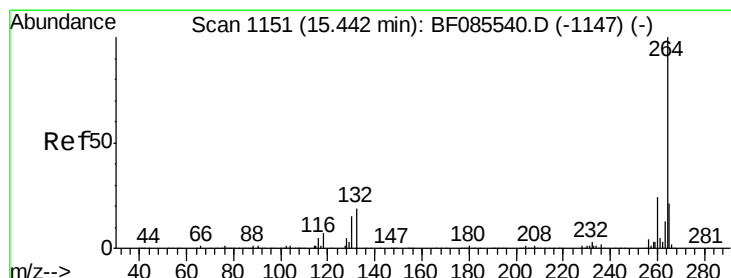
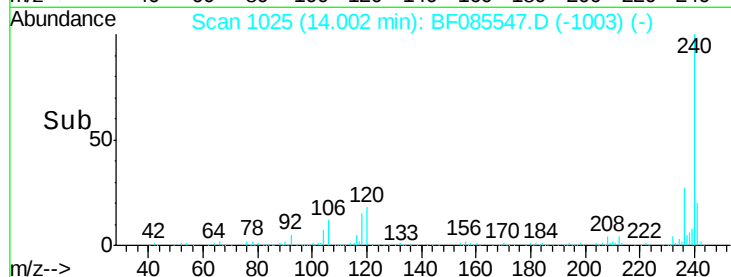
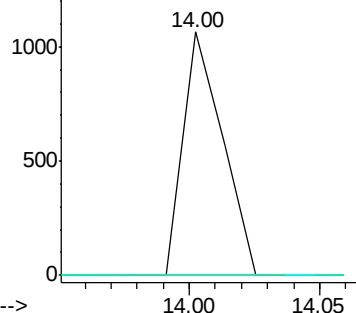
229 0.0 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF085547.D

Acq: 19 Mar 2016 1:57

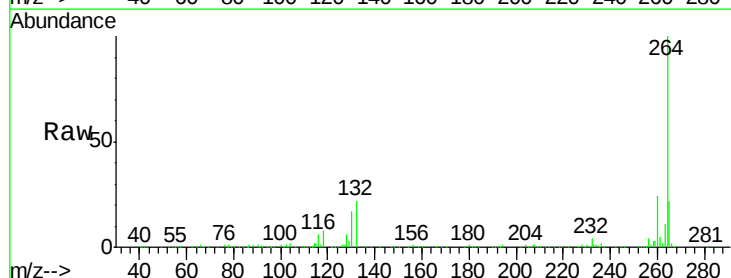
Tgt Ion:264 Resp: 375014

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

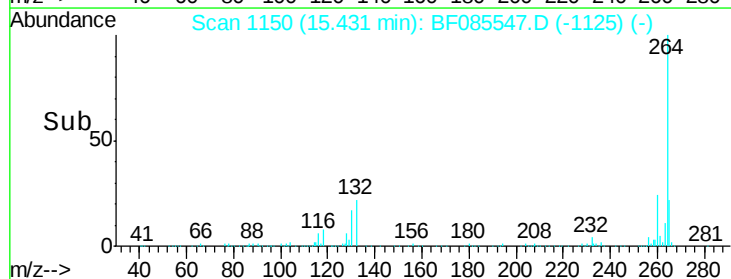
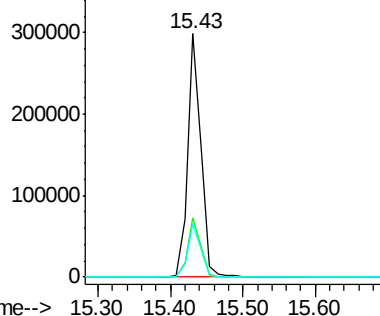
265 21.5 17.2 25.8

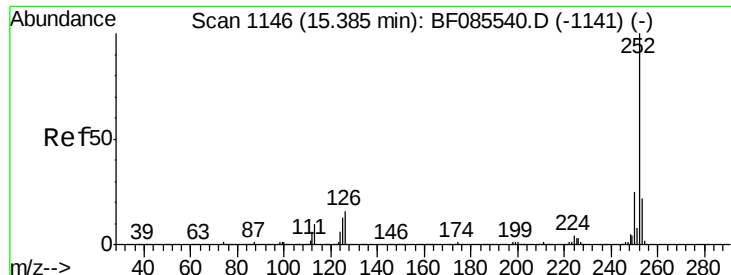


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.43 min Scan# 1150

Delta R.T. 0.05 min

Lab File: BF085547.D

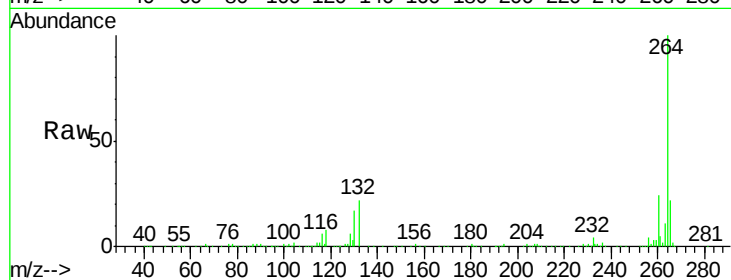
Acq: 19 Mar 2016 1:57

Instrument :

BNA_F

ClientSampleId :

PB88949BL



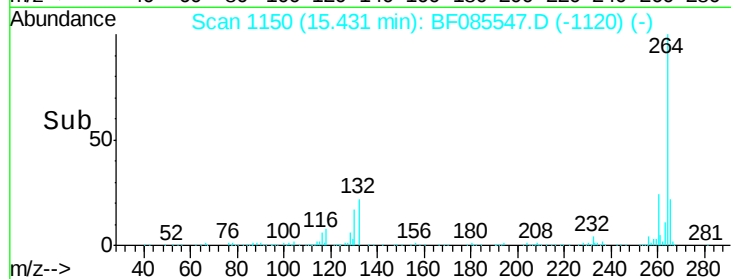
Tgt Ion: 252 Resp: 1136

Ion Ratio Lower Upper

252 100

253 44.2 17.4 26.0#

125 0.0 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

