

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
 Data File : BF078232.D
 Acq On : 3 Apr 2015 8:24
 Operator : TP/IZ
 Sample : G1653-07RE
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD3RE

Quant Time: Apr 03 11:57:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 13:21:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	45574	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	189085	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	93451	20.00	ng	0.00
63) Phenanthrene-d10	12.60	188	180310	20.00	ng	0.01
75) Chrysene-d12	15.88	240	166277	20.00	ng	0.01
86) Perylene-d12	17.61	264	178350	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	131761	47.67	ng	0.01
7) Phenol-d6	6.61	99	187402	54.10	ng	0.01
23) Nitrobenzene-d5	7.71	82	185695	59.53	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	22102	28.52	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	356744	54.57	ng	0.00
78) Terphenyl-d14	14.60	244	86511	11.76	ng	0.01

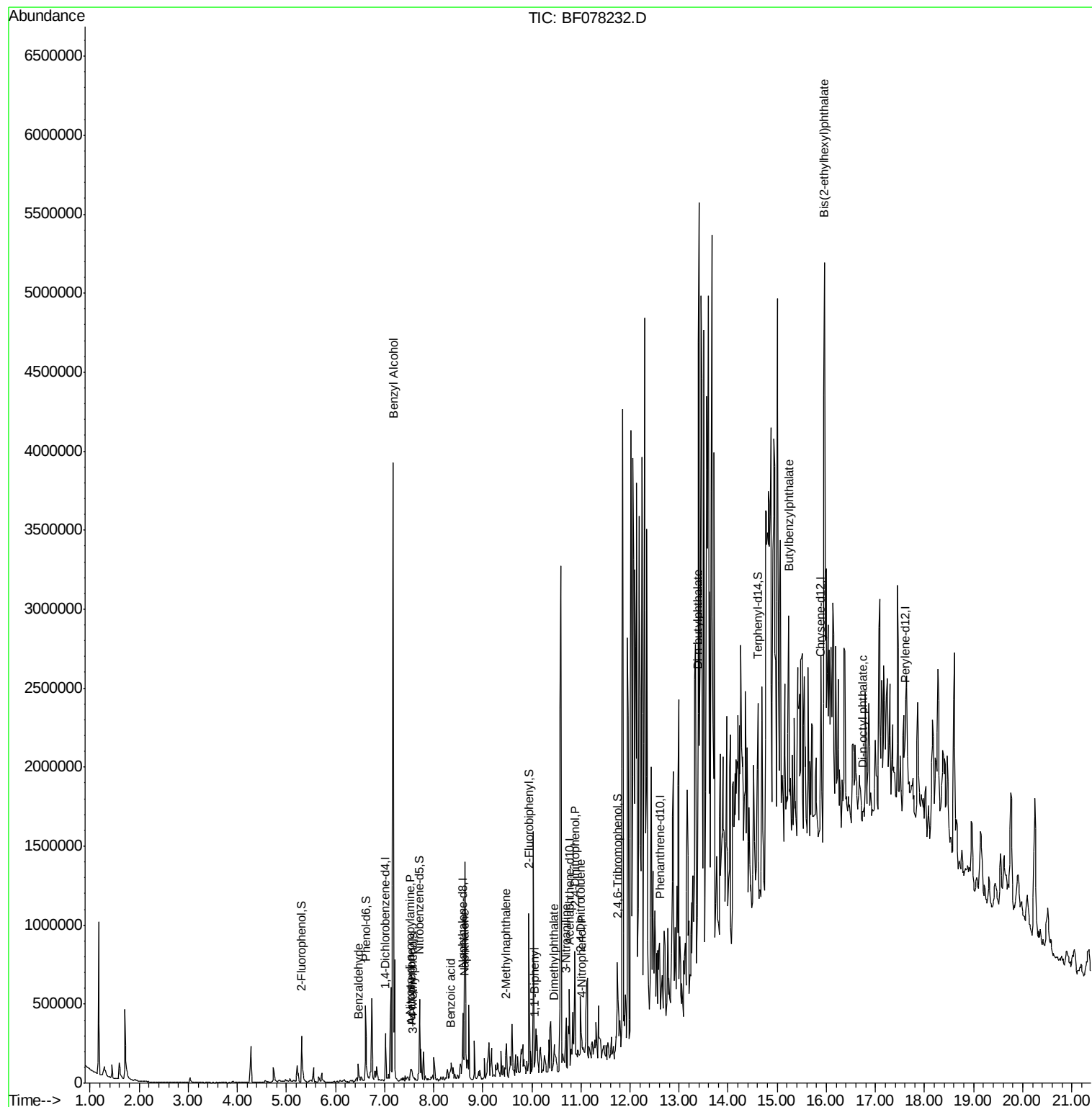
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	30627	13.34	ng	92
15) Benzyl Alcohol	7.17	79	225970	92.83	ng	# 59
19) n-Nitroso-di-n-propylamine	7.53	70	6396	2.80	ng	# 39
20) 3+4-Methylphenols	7.58	107	10087	2.98	ng	93
22) Acetophenone	7.54	105	10905	2.48	ng	# 72
31) Naphthalene	8.62	128	46732	4.75	ng	99
32) Benzoic acid	8.34	122	7048	10.35	ng	# 58
37) 2-Methylnaphthalene	9.48	142	64099	9.59	ng	99
45) 1,1'-Biphenyl	10.06	154	20848	2.73	ng	97
49) Dimethylphthalate	10.45	163	65344	9.31	ng	99
52) 3-Nitroaniline	10.69	138	7189	4.38	ng	# 9
53) 2,4-Dinitrophenol	10.88	184	680	9.36	ng	# 69
55) 4-Nitrophenol	11.01	139	3471	5.54	ng	# 62
56) 2,4-Dinitrotoluene	10.99	165	3764	2.01	ng	# 1
73) Di-n-butylphthalate	13.38	149	129884	11.90	ng	# 96
79) Butylbenzylphthalate	15.23	149	84783	21.31	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.96	149	1863259	298.61	ng	100
84) Di-n-octyl phthalate	16.75	149	53316	5.20	ng	# 100

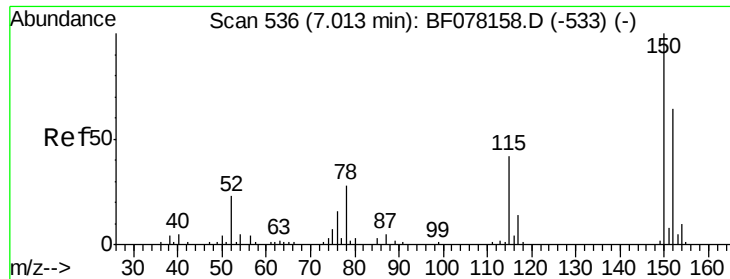
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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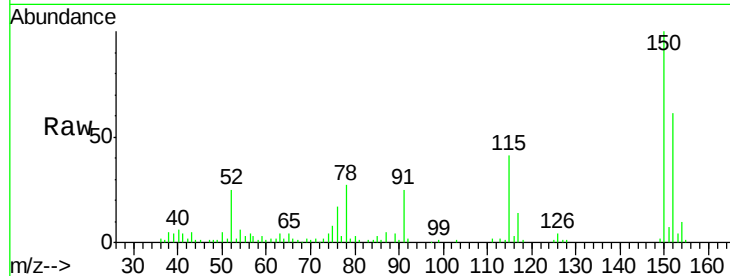


#1

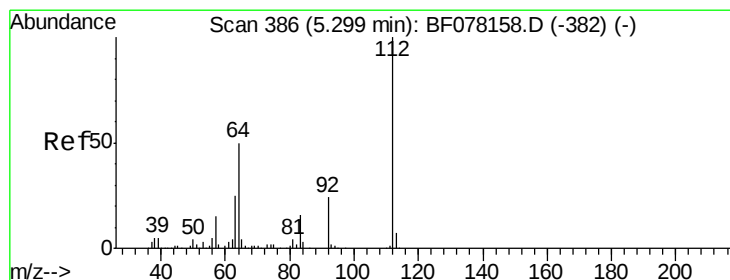
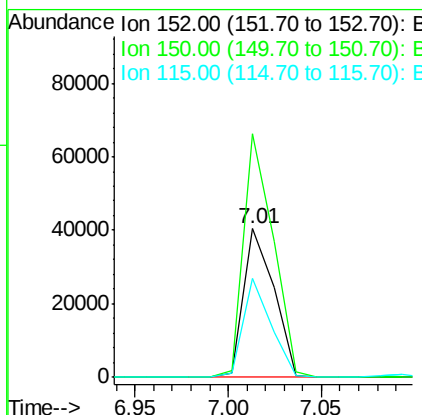
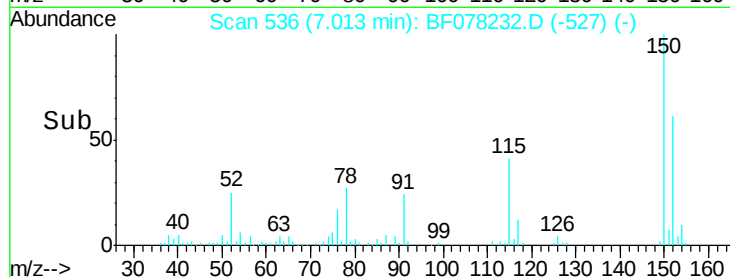
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF078232.D
Acq: 3 Apr 2015 8:24

Instrument :
BNA_F
ClientSampleId :
FD3RE

Tot Ion:152 Resp: 45574
Ion Ratio Lower Upper
152 100
150 163.8 125.9 188.9
115 67.0 52.7 79.1



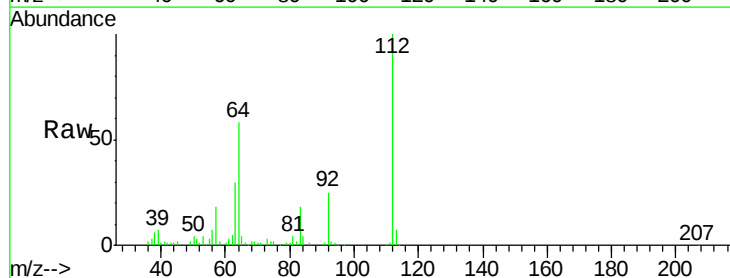
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



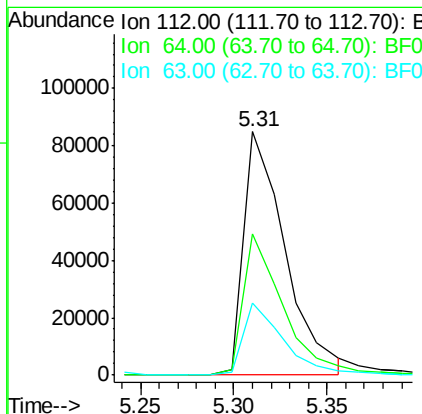
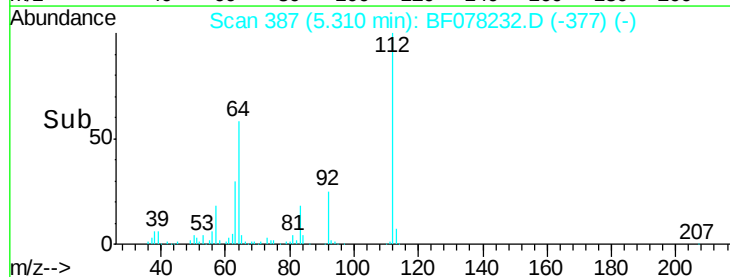
#5

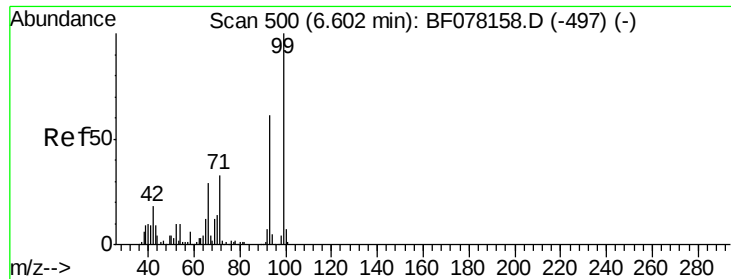
2-Fluorophenol
Concen: 47.67 ng
RT: 5.31 min Scan# 387
Delta R.T. 0.01 min
Lab File: BF078232.D
Acq: 3 Apr 2015 8:24

Tgt Ion:112 Resp: 131761
Ion Ratio Lower Upper
112 100
64 58.2 39.9 59.9
63 29.6 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.10 ng

RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

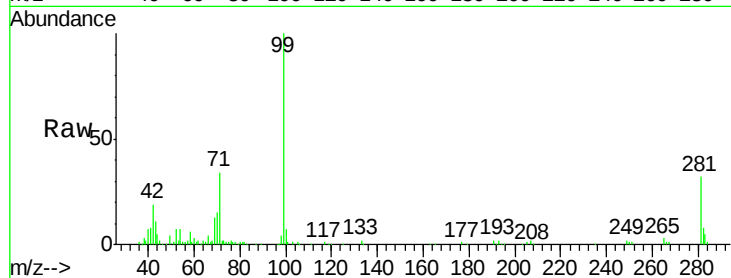
Tot Ion: 99 Resp: 187402

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

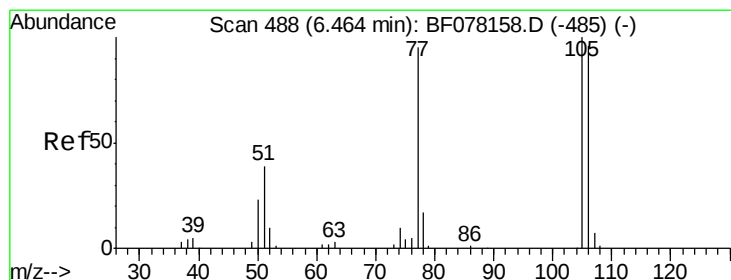
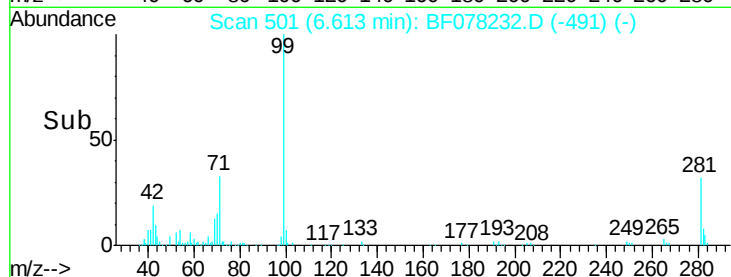
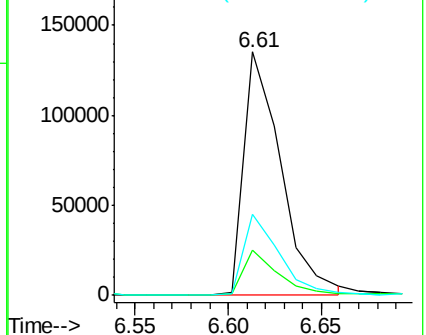
71 33.5 26.6 39.8



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: 13.34 ng

RT: 6.46 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

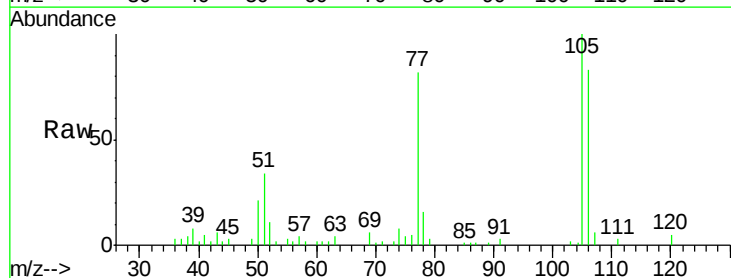
Tgt Ion: 77 Resp: 30627

Ion Ratio Lower Upper

77 100

105 121.3 85.4 125.4

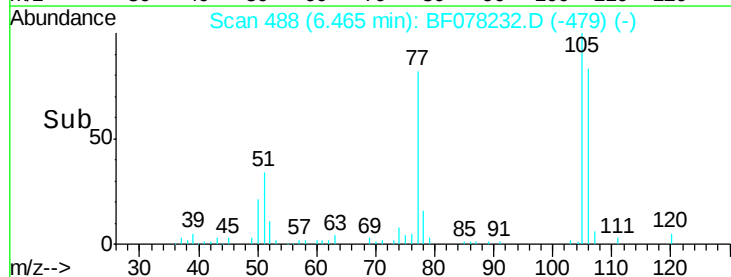
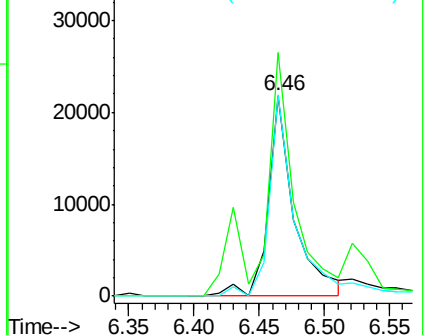
106 100.3 80.8 120.8

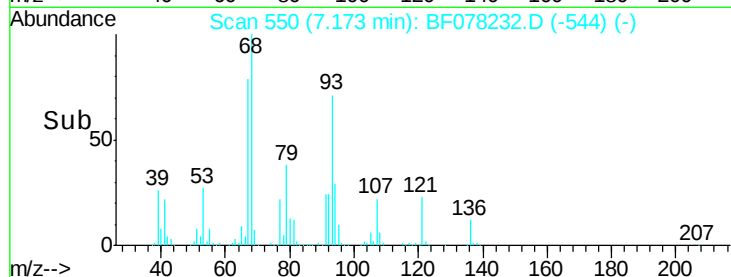
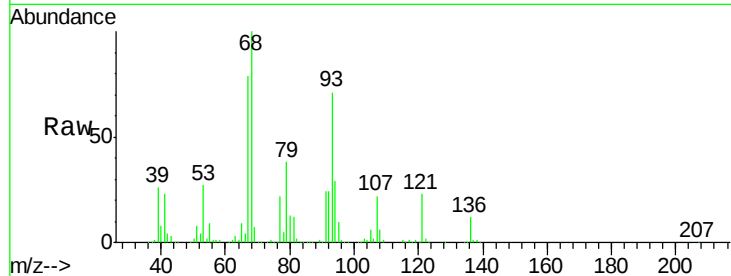
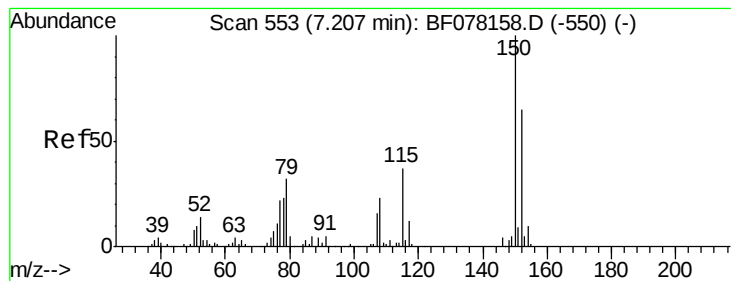


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 92.83 ng

RT: 7.17 min Scan# 550

Delta R.T. -0.03 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

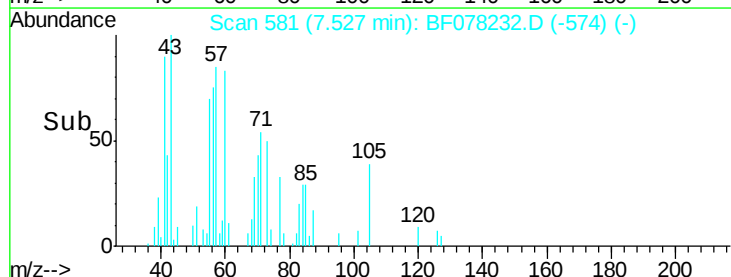
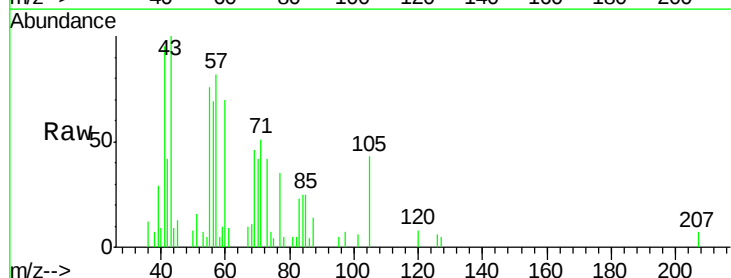
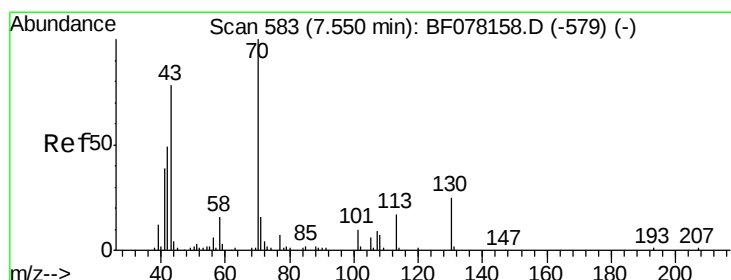
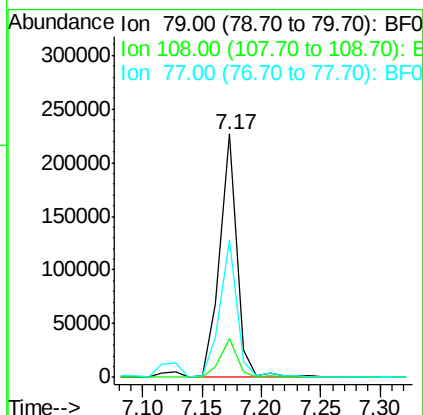
Tot Ion: 79 Resp: 225970

Ion Ratio Lower Upper

79 100

108 16.1 57.6 86.4#

77 56.7 53.5 80.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.80 ng

RT: 7.53 min Scan# 581

Delta R.T. -0.02 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Tgt Ion: 70 Resp: 6396

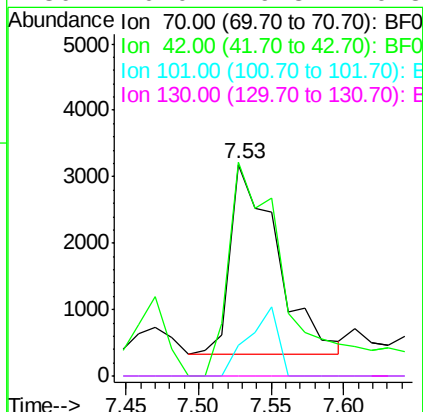
Ion Ratio Lower Upper

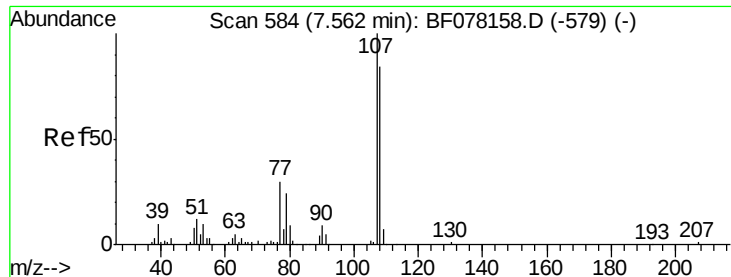
70 100

42 100.8 38.9 58.3#

101 14.7 8.3 12.5#

130 0.0 19.8 29.8#





#20

3+4-Methylphenols

Concen: 2.98 ng

RT: 7.58 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

Tot Ion:107 Resp: 10087

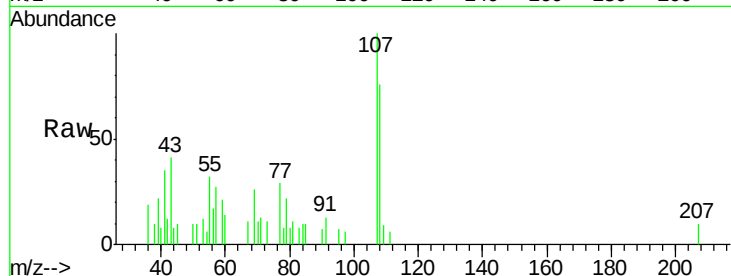
Ion Ratio Lower Upper

107 100

108 75.5 64.4 104.4

77 28.7 9.7 49.7

79 21.6 4.0 44.0

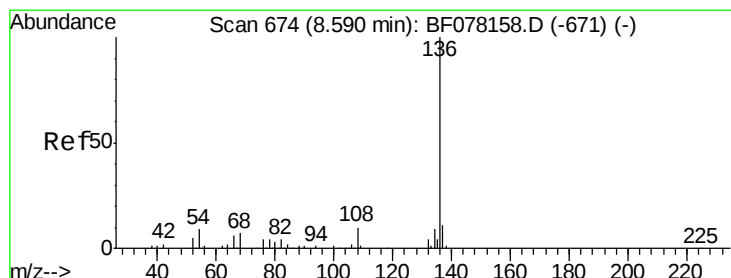
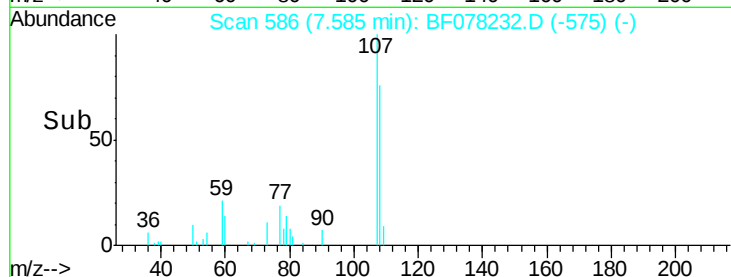
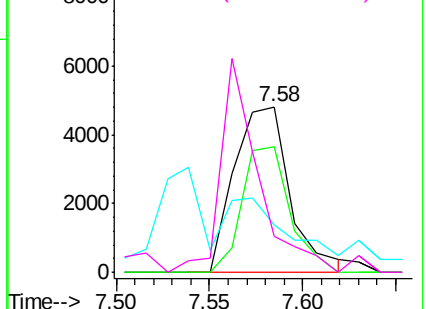


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Tgt Ion:136 Resp: 189085

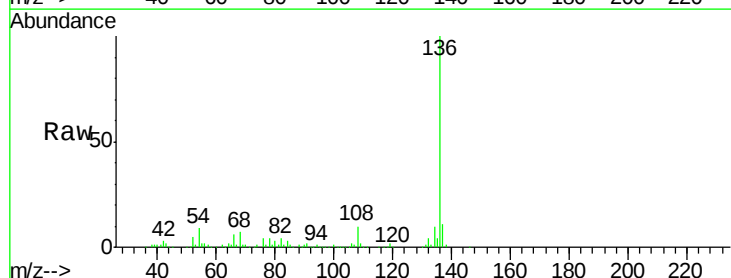
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 8.8 7.0 10.6

68 6.7 5.4 8.2

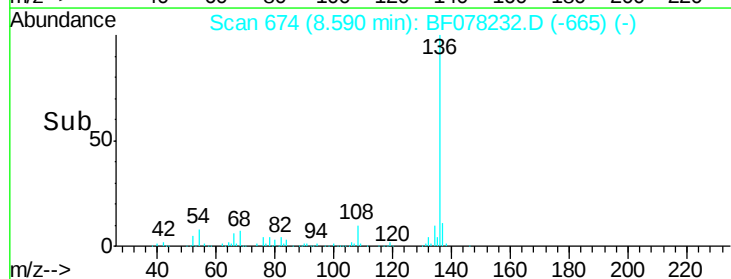
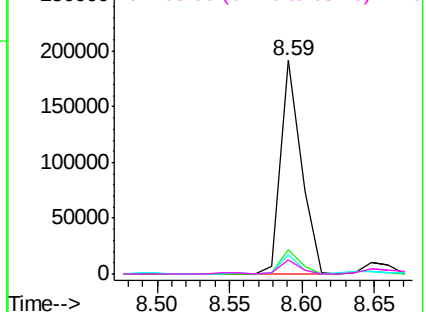


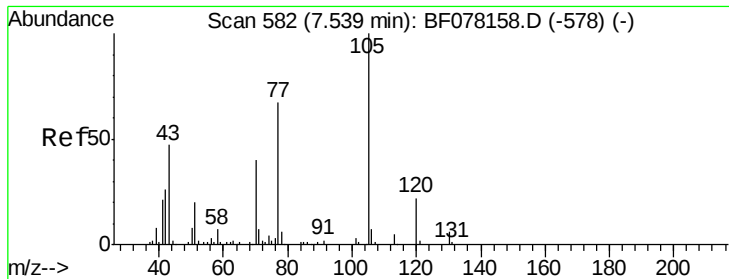
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.48 ng

RT: 7.54 min Scan# 582

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

Tot Ion:105 Resp: 10905

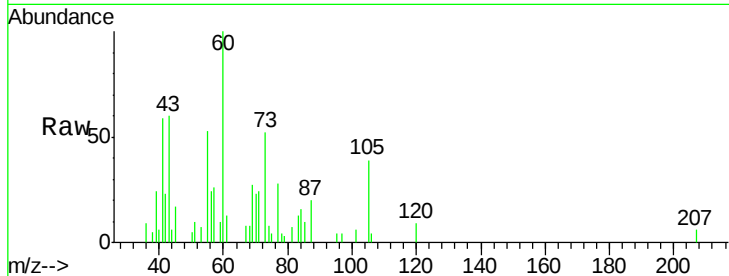
Ion Ratio Lower Upper

105 100

71 61.1 5.5 8.3#

51 25.7 16.0 24.0#

120 23.1 17.8 26.6

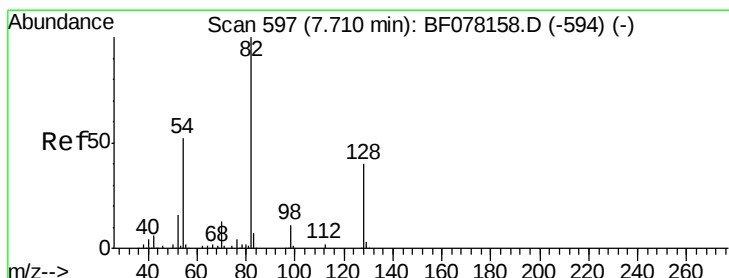
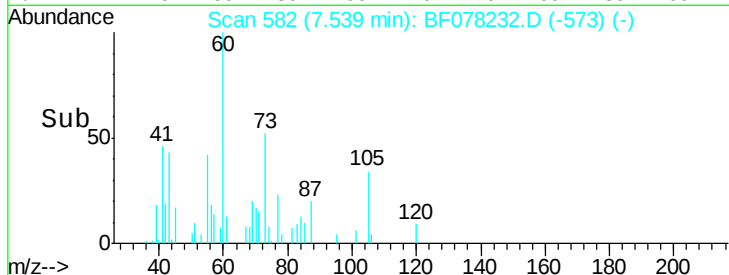
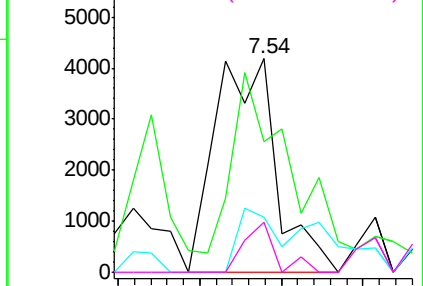


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 59.53 ng

RT: 7.71 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

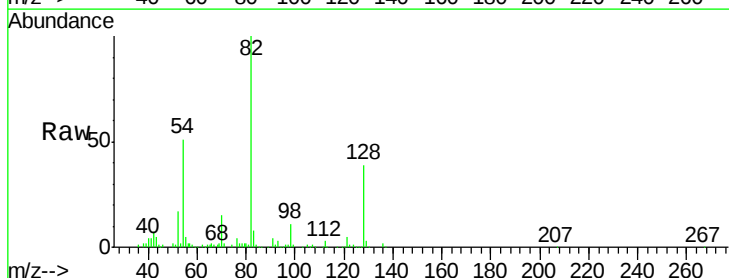
Tgt Ion: 82 Resp: 185695

Ion Ratio Lower Upper

82 100

128 38.9 31.8 47.8

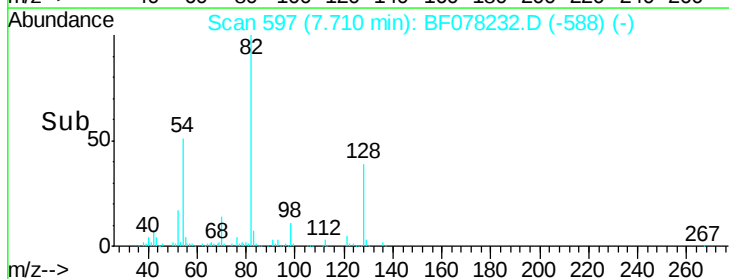
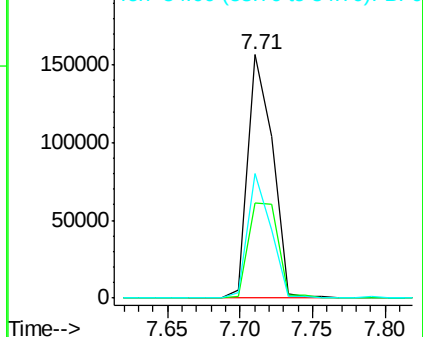
54 50.9 41.5 62.3

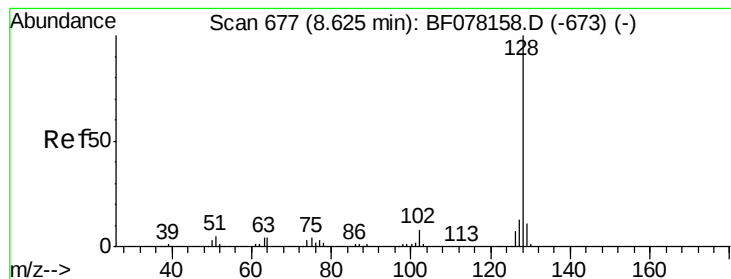


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 4.75 ng

RT: 8.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

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FD3RE

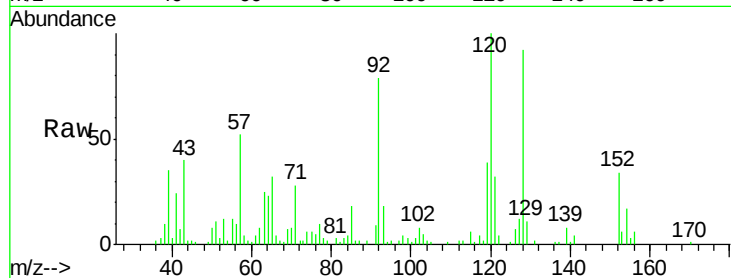
Tot Ion:128 Resp: 46732

Ion Ratio Lower Upper

128 100

129 11.8 8.6 12.8

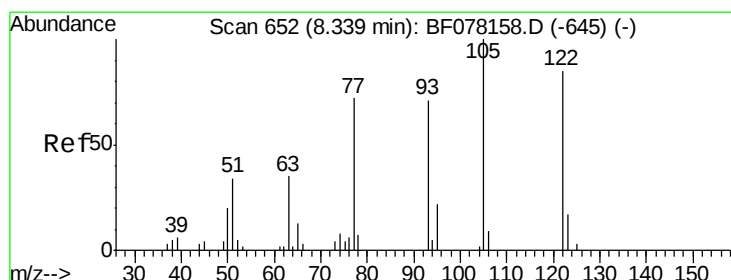
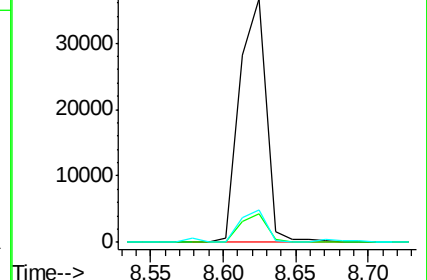
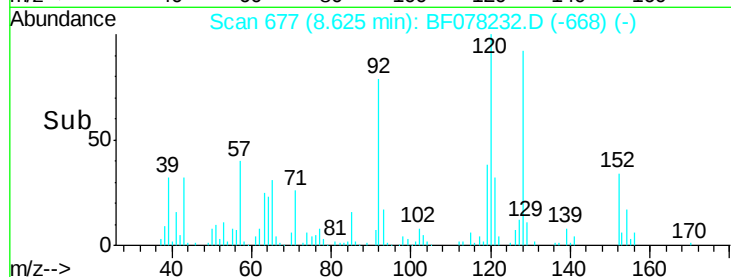
127 13.5 10.7 16.1



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



#32

Benzoic acid

Concen: 10.35 ng

RT: 8.34 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

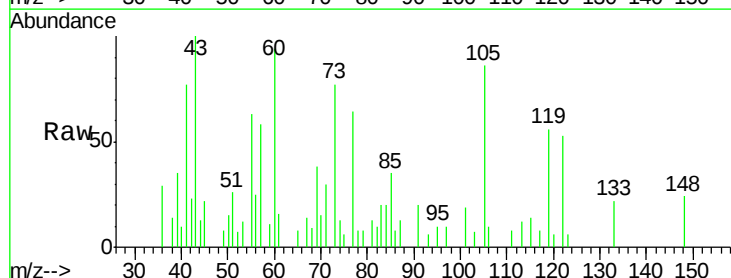
Tgt Ion:122 Resp: 7048

Ion Ratio Lower Upper

122 100

105 163.6 96.1 136.1#

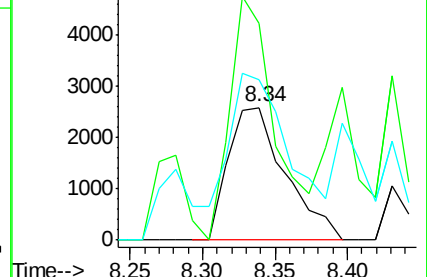
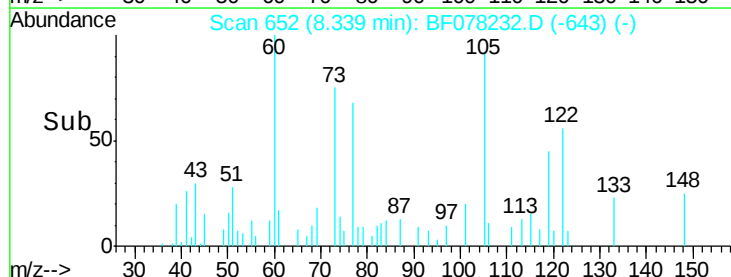
77 121.2 64.1 104.1#

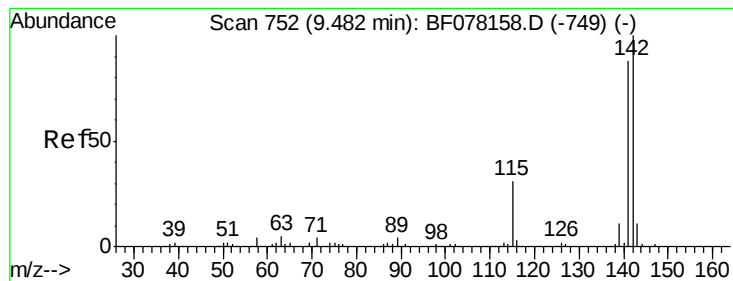


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

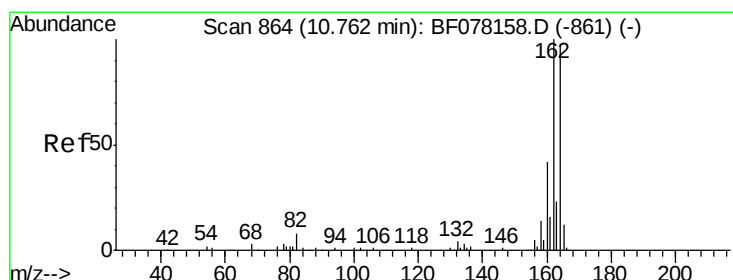
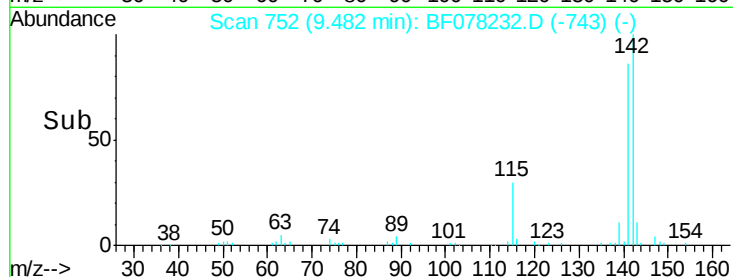
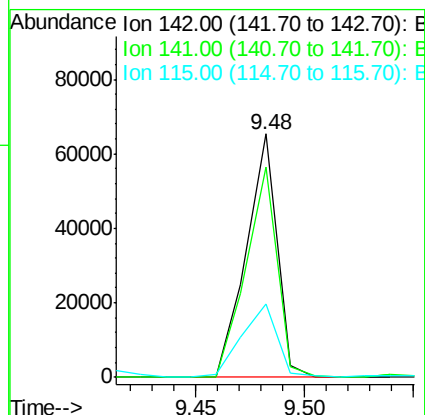
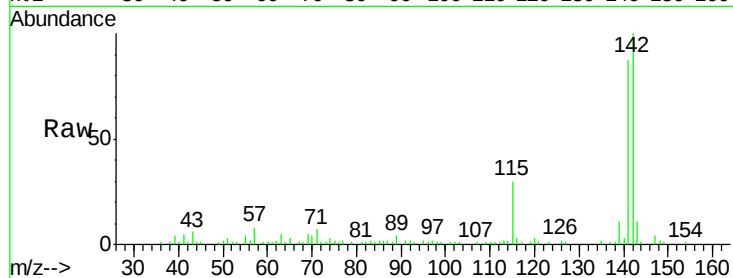




#37
 2-Methylnaphthalene
 Concen: 9.59 ng
 RT: 9.48 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

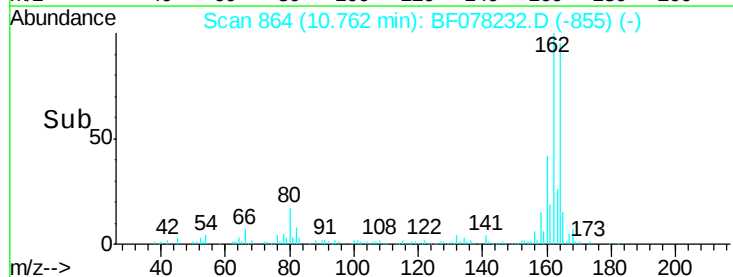
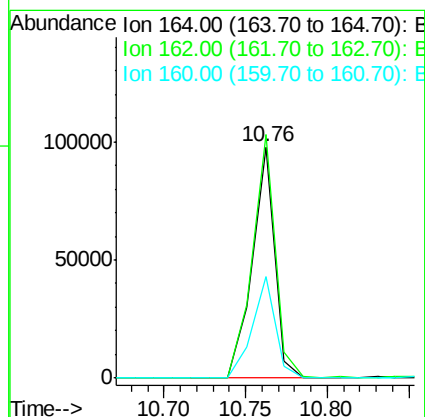
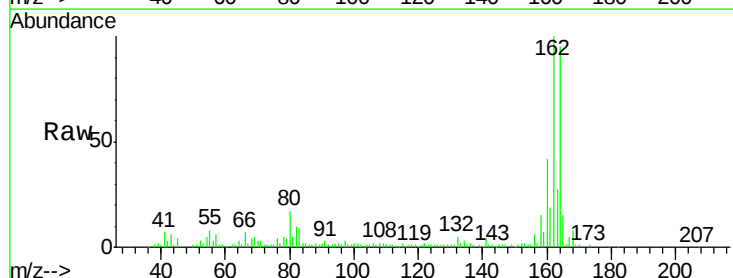
Instrument :
 BNA_F
 ClientSampleId :
 FD3RE

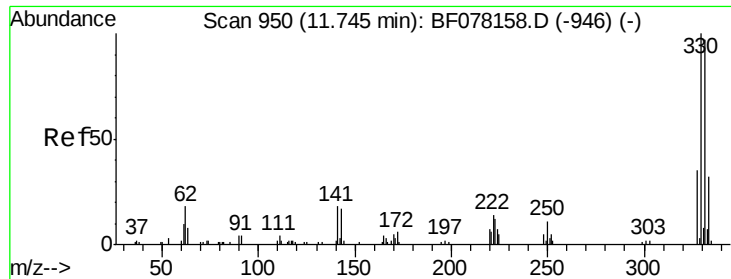
Tot Ion:142 Resp: 64099
 Ion Ratio Lower Upper
 142 100
 141 86.5 70.3 105.5
 115 30.3 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

Tgt Ion:164 Resp: 93451
 Ion Ratio Lower Upper
 164 100
 162 105.4 82.2 123.2
 160 44.1 34.7 52.1

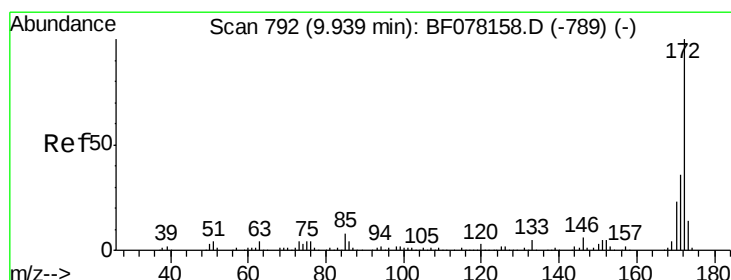
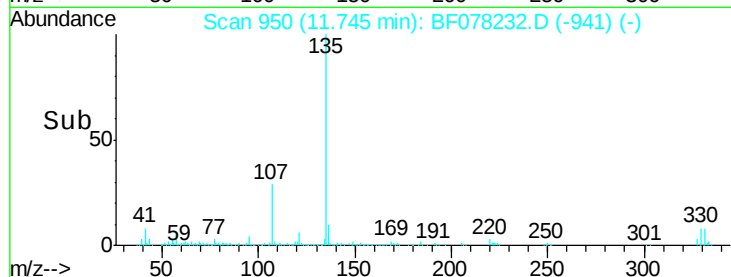
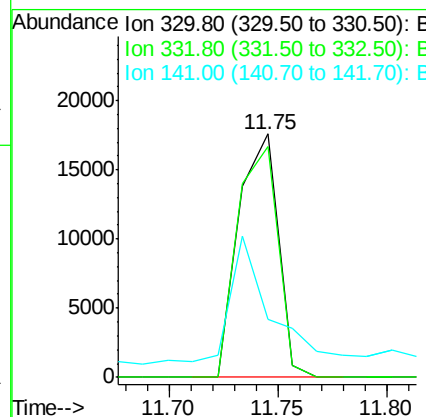
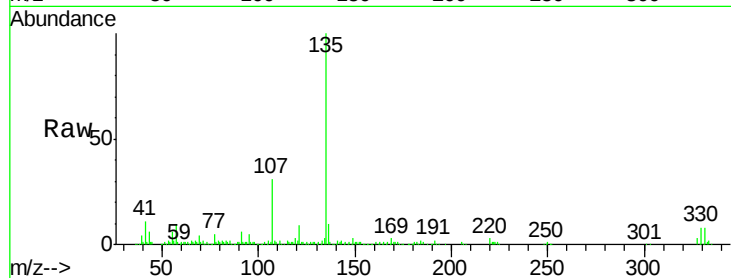




#41
 2,4,6-Tribromophenol
 Concen: 28.52 ng
 RT: 11.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

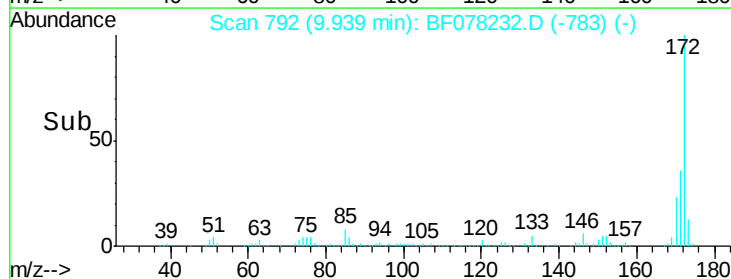
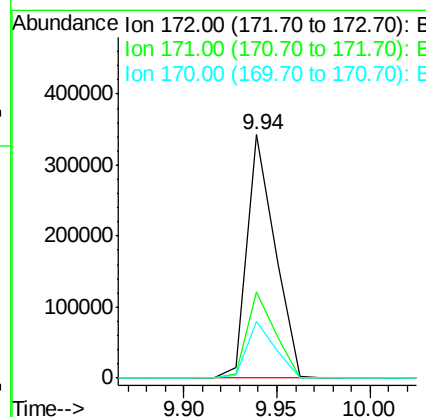
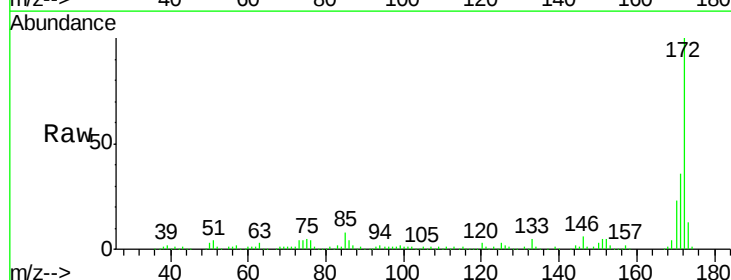
Instrument :
 BNA_F
 ClientSampleId :
 FD3RE

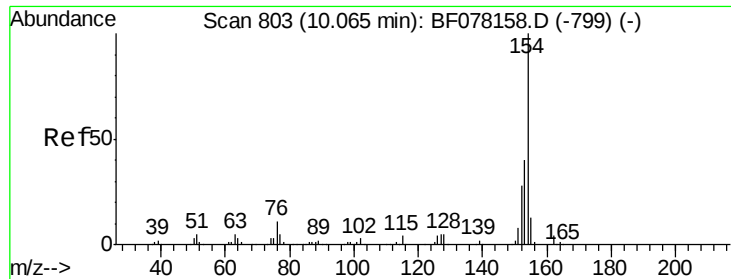
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.6	117.8
141	61.4	31.2	46.8#



#44
 2-Fluorobiphenyl
 Concen: 54.57 ng
 RT: 9.94 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.5	27.7





#45

1,1'-Biphenyl

Concen: 2.73 ng

RT: 10.06 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

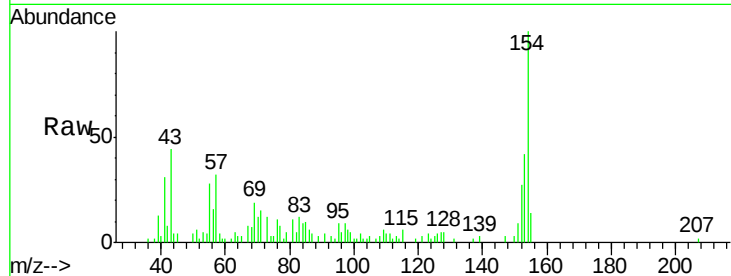
Tot Ion:154 Resp: 20848

Ion Ratio Lower Upper

154 100

153 41.9 20.0 60.0

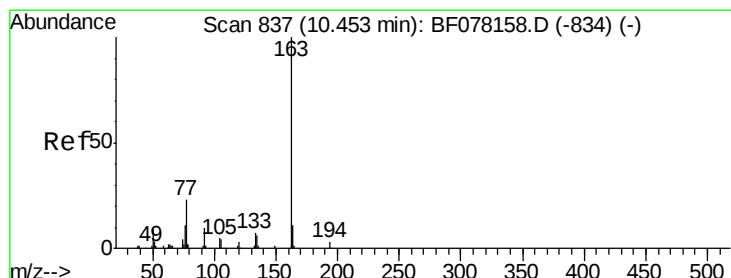
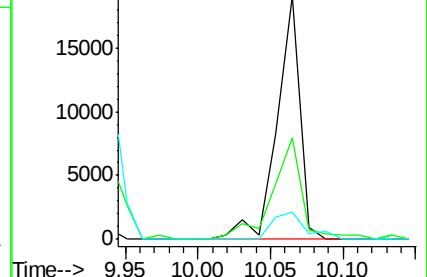
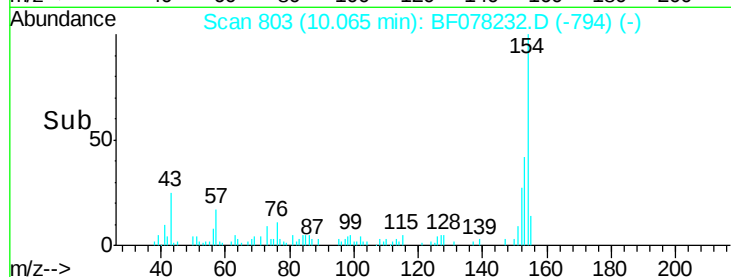
76 11.0 0.0 30.6



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



#49

Dimethylphthalate

Concen: 9.31 ng

RT: 10.45 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

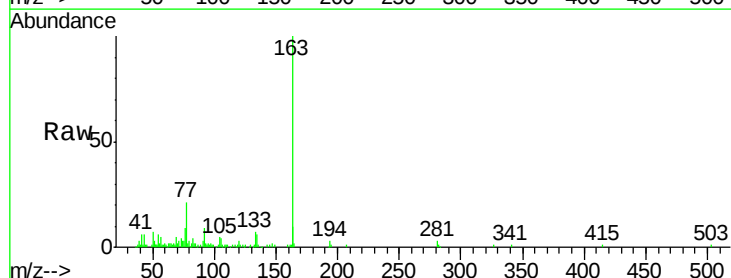
Tgt Ion:163 Resp: 65344

Ion Ratio Lower Upper

163 100

194 3.4 2.3 3.5

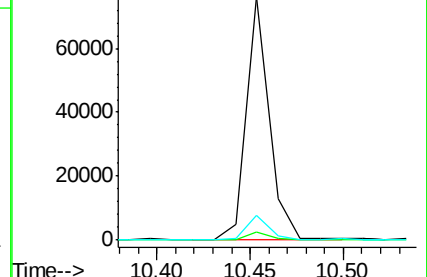
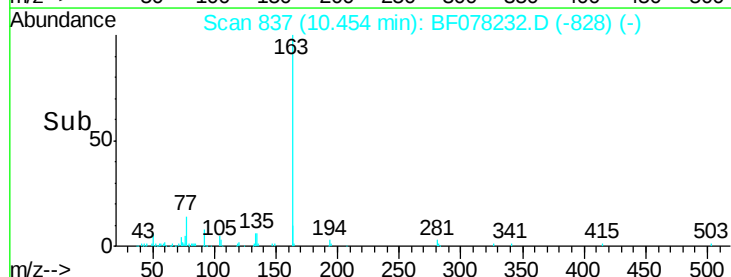
164 10.4 8.6 13.0

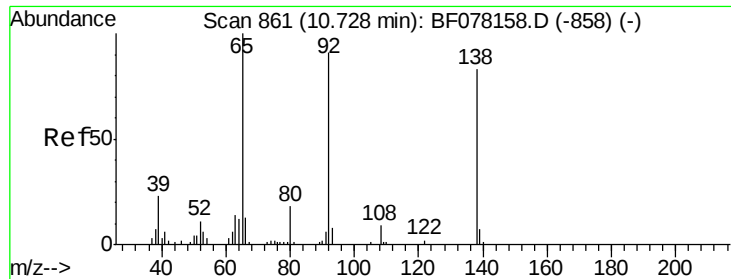


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

3-Nitroaniline

Concen: 4.38 ng

RT: 10.69 min Scan# 858

Delta R.T. -0.03 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

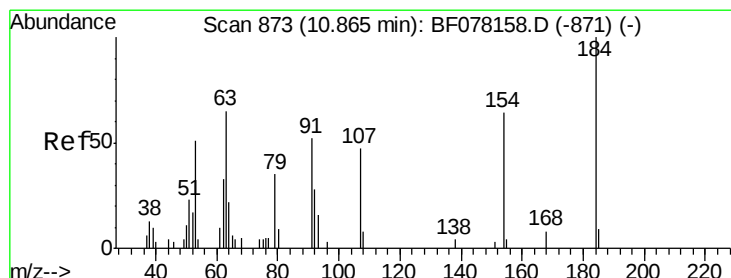
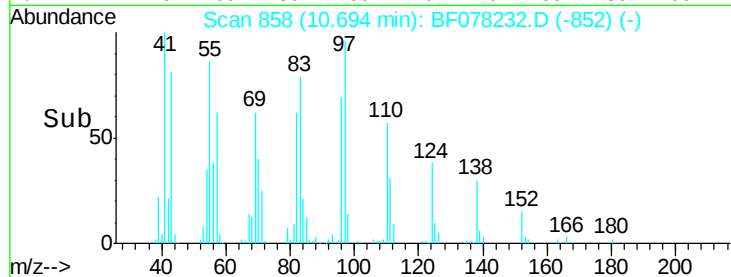
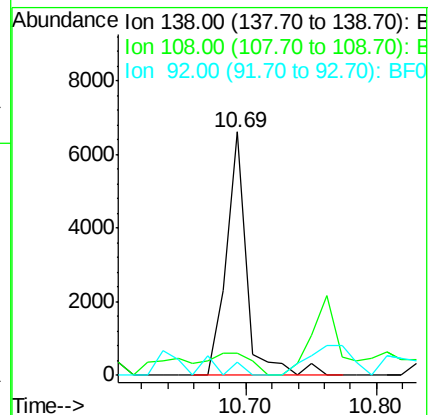
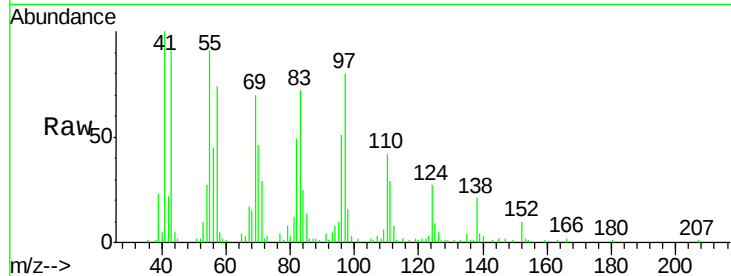
Tot Ion:138 Resp: 7189

Ion Ratio Lower Upper

138 100

108 9.0 8.2 12.4

92 5.2 88.4 132.6#



#53

2,4-Dinitrophenol

Concen: 9.36 ng

RT: 10.88 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

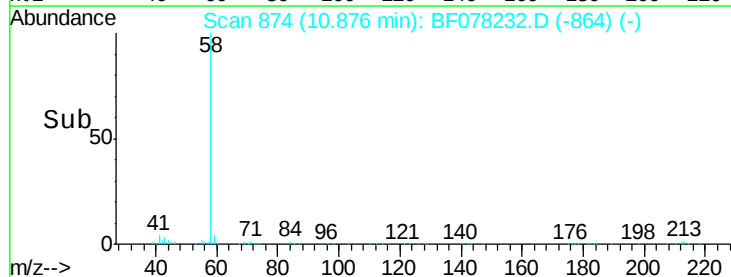
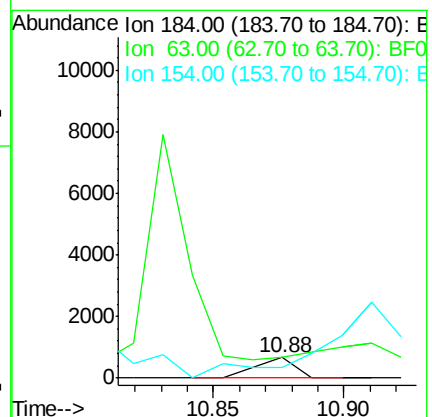
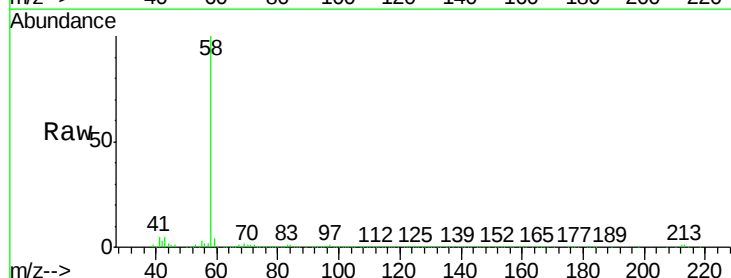
Tgt Ion:184 Resp: 680

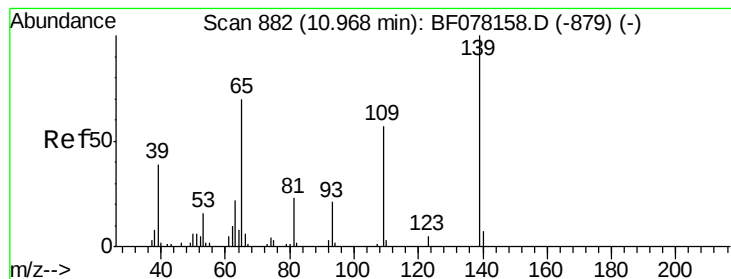
Ion Ratio Lower Upper

184 100

63 103.6 51.9 77.9#

154 53.2 51.0 76.4





#55

4-Nitrophenol

Concen: 5.54 ng

RT: 11.01 min Scan# 886

Delta R.T. 0.05 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

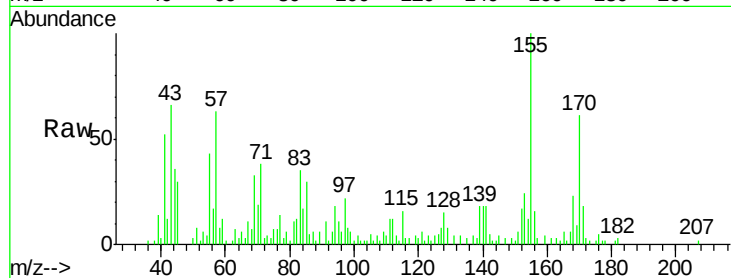
Tot Ion:139 Resp: 3471

Ion Ratio Lower Upper

139 100

109 35.4 36.7 76.7#

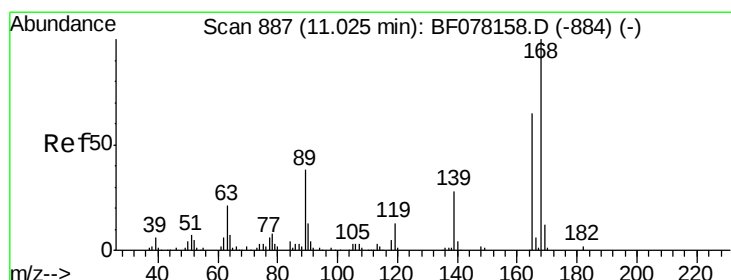
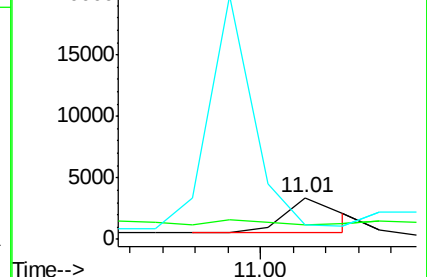
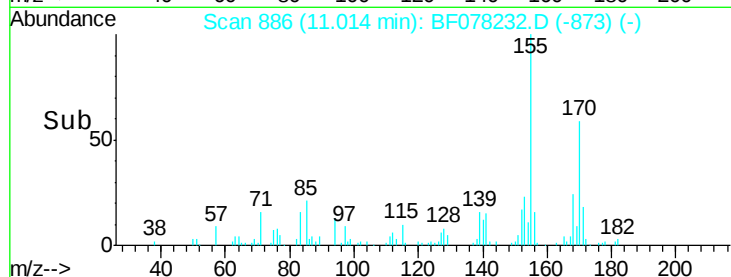
65 33.5 49.9 89.9#



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): E



#56

2,4-Dinitrotoluene

Concen: 2.01 ng

RT: 10.99 min Scan# 884

Delta R.T. -0.03 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Tgt Ion:165 Resp: 3764

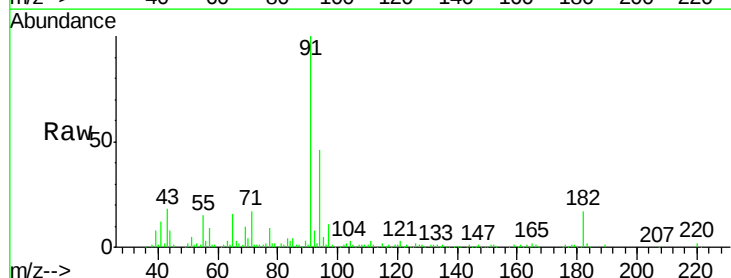
Ion Ratio Lower Upper

165 100

63 190.3 26.5 39.7#

89 170.6 46.4 69.6#

182 914.2 2.0 3.0#

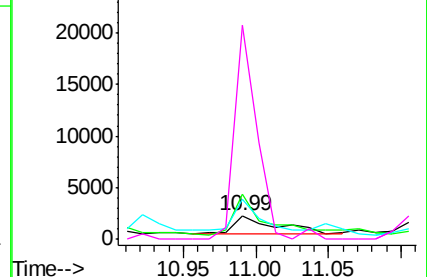
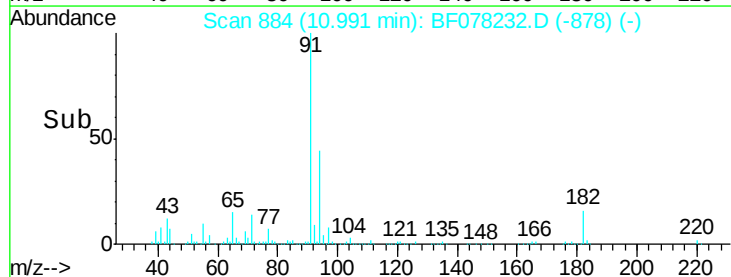


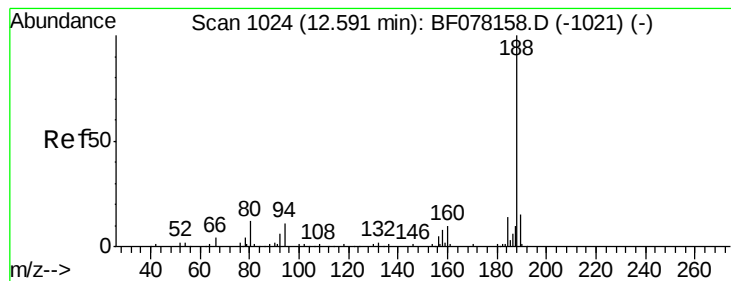
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

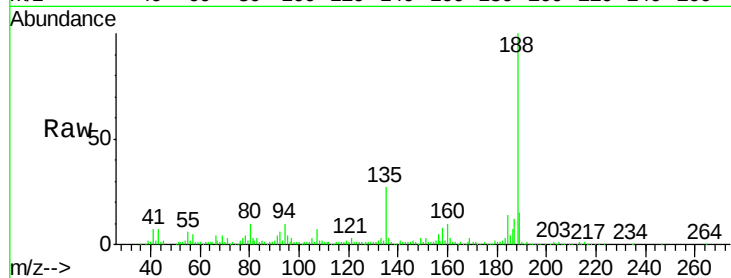
Tot Ion:188 Resp: 180310

Ion Ratio Lower Upper

188 100

94 9.8 9.0 13.4

80 9.5 9.5 14.3



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

250000

200000

150000

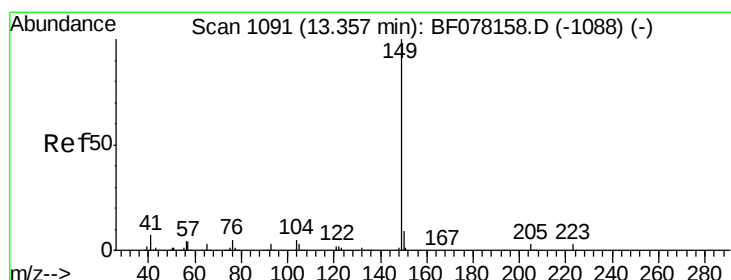
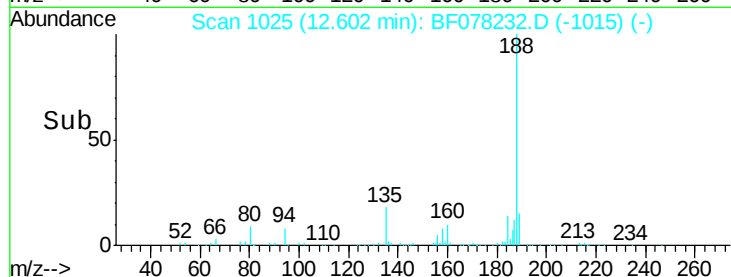
100000

50000

0

12.55 12.60 12.65

Time-->



#73

Di-n-butylphthalate

Concen: 11.90 ng

RT: 13.38 min Scan# 1093

Delta R.T. 0.02 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

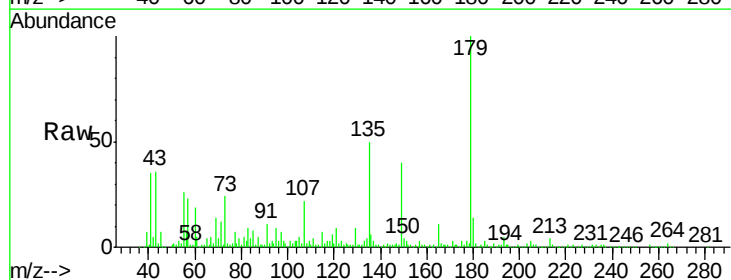
Tgt Ion:149 Resp: 129884

Ion Ratio Lower Upper

149 100

150 10.1 7.1 10.7

104 6.7 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

150000

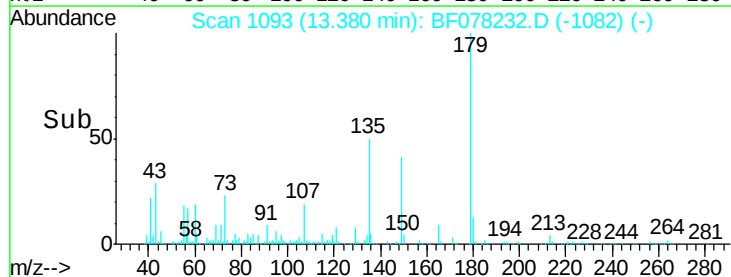
100000

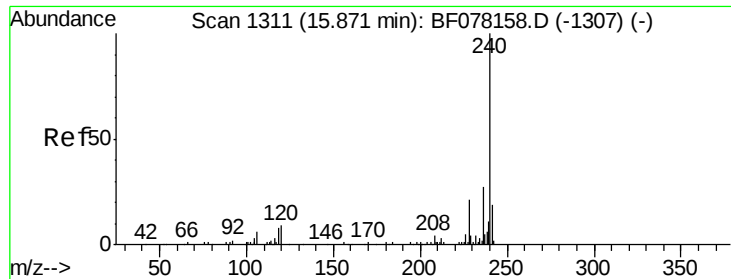
50000

0

13.30 13.40

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.88 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleId :

FD3RE

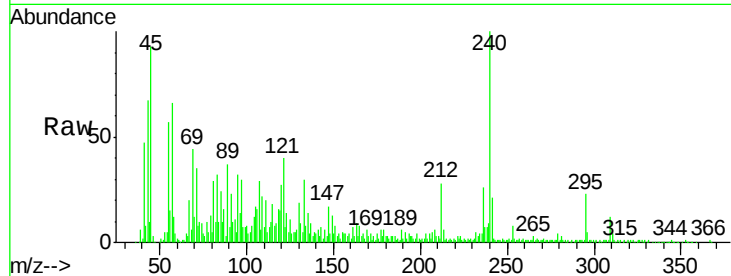
Tot Ion:240 Resp: 166277

Ion Ratio Lower Upper

240 100

120 26.6 7.1 10.7#

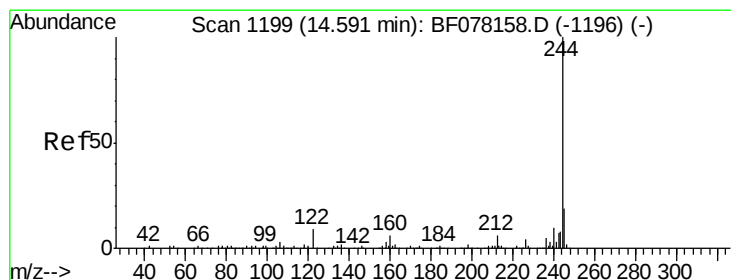
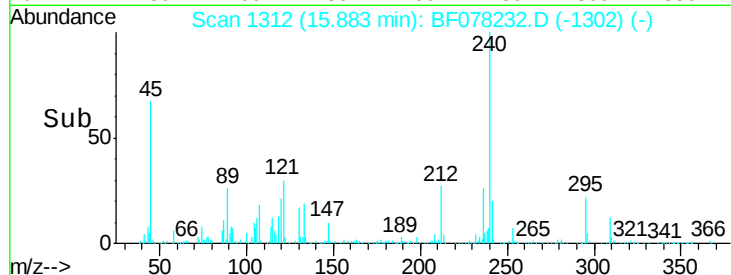
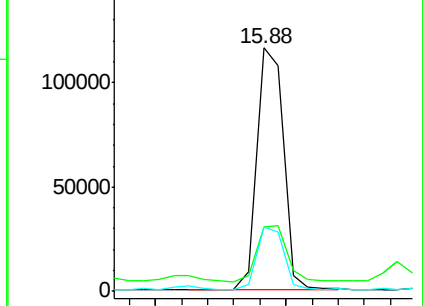
236 26.4 21.4 32.2



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: 11.76 ng

RT: 14.60 min Scan# 1200

Delta R.T. 0.01 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

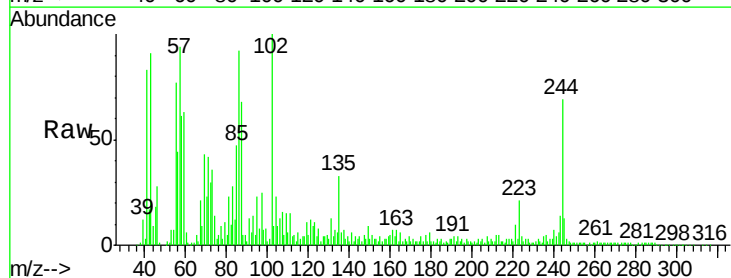
Tgt Ion:244 Resp: 86511

Ion Ratio Lower Upper

244 100

212 7.5 5.0 7.4#

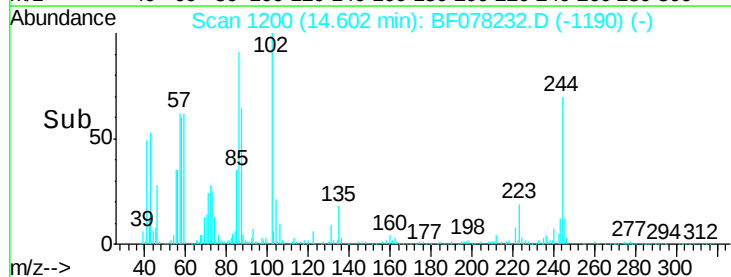
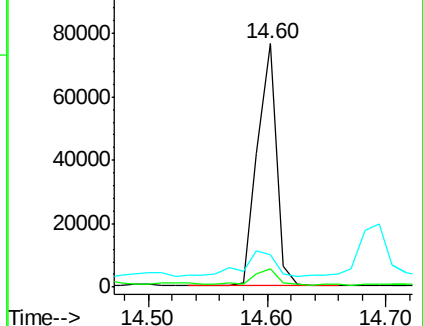
122 13.5 7.1 10.7#

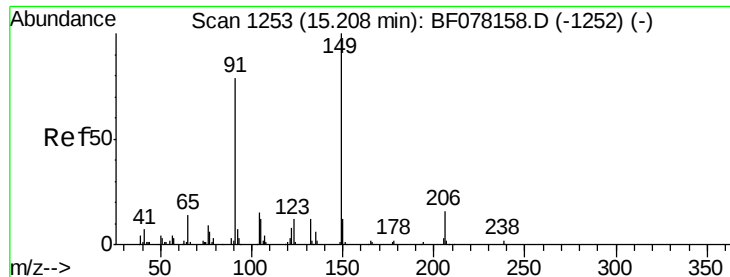


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

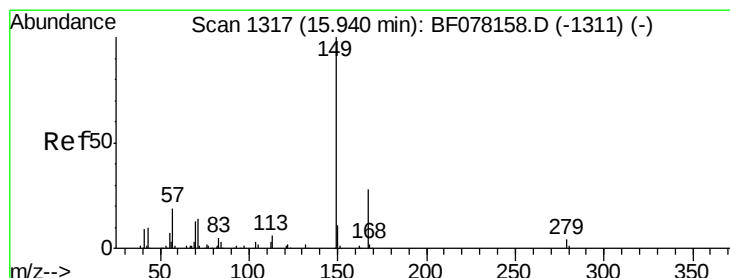
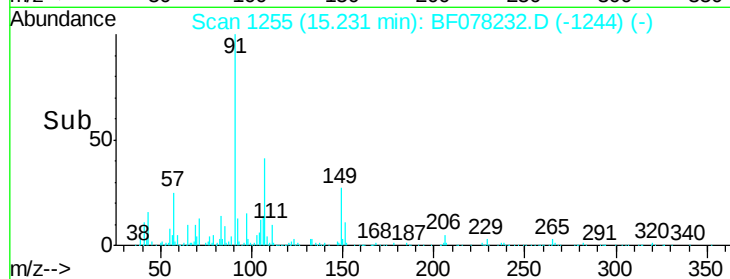
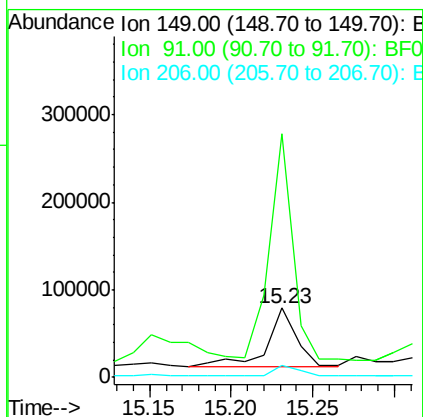
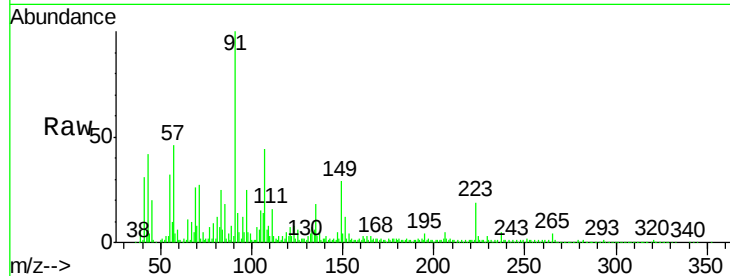




#79
 Butylbenzylphthalate
 Concen: 21.31 ng
 RT: 15.23 min Scan# 1255
 Delta R.T. 0.02 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

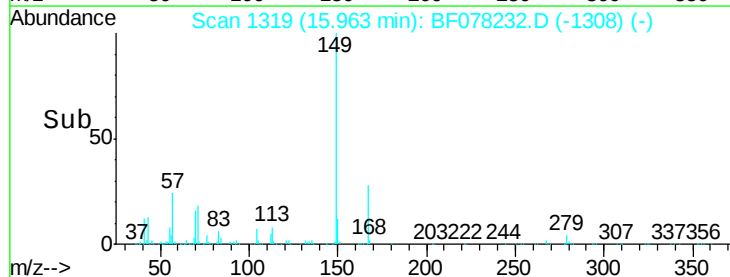
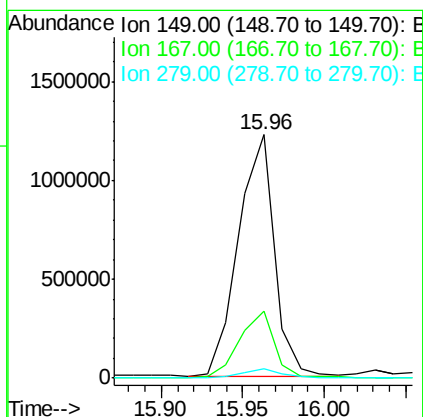
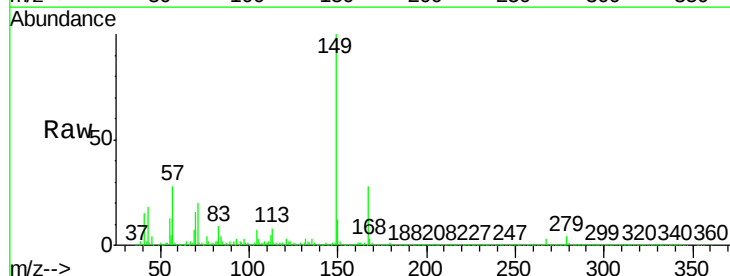
Instrument :
 BNA_F
 ClientSampleId :
 FD3RE

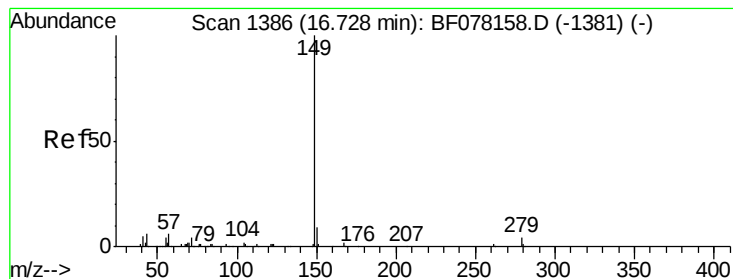
Tot Ion:149 Resp: 84783
 Ion Ratio Lower Upper
 149 100
 91 350.7 64.2 96.2#
 206 16.9 12.6 18.8



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 298.61 ng
 RT: 15.96 min Scan# 1319
 Delta R.T. 0.02 min
 Lab File: BF078232.D
 Acq: 3 Apr 2015 8:24

Tgt Ion:149 Resp: 1863259
 Ion Ratio Lower Upper
 149 100
 167 27.6 22.2 33.2
 279 4.0 3.2 4.8





#84

Di-n-octyl phthalate

Concen: 5.20 ng

RT: 16.75 min Scan# 1388

Delta R.T. 0.02 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

Instrument :

BNA_F

ClientSampleID :

FD3RE

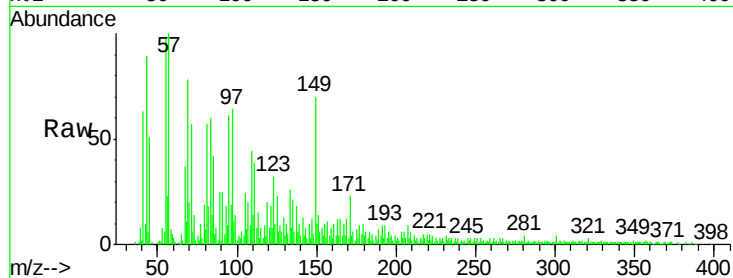
Tot Ion:149 Resp: 53316

Ion Ratio Lower Upper

149 100

167 8.9 0.0 0.0#

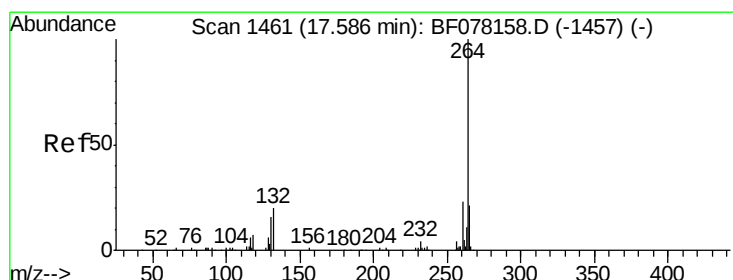
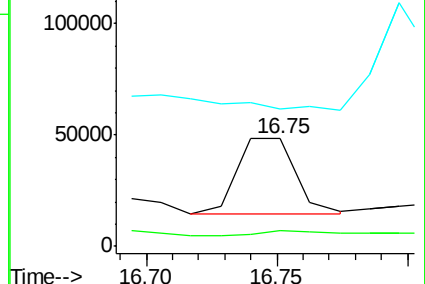
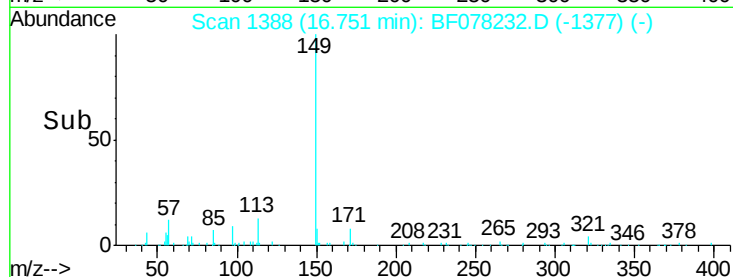
43 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.61 min Scan# 1463

Delta R.T. 0.02 min

Lab File: BF078232.D

Acq: 3 Apr 2015 8:24

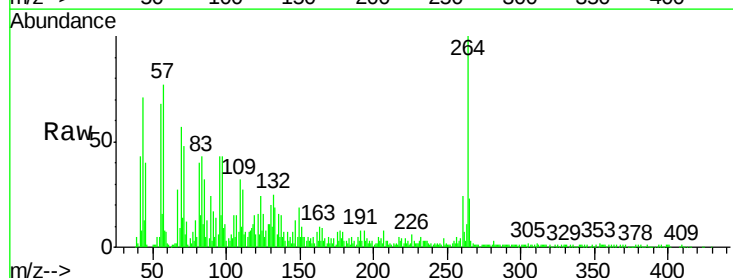
Tgt Ion:264 Resp: 178350

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 23.5 17.0 25.6



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

