

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
 Data File : BF084237.D
 Acq On : 4 Jan 2016 14:27
 Operator : UM/SJ
 Sample : G4981-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0531

Quant Time: Jan 05 05:46:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

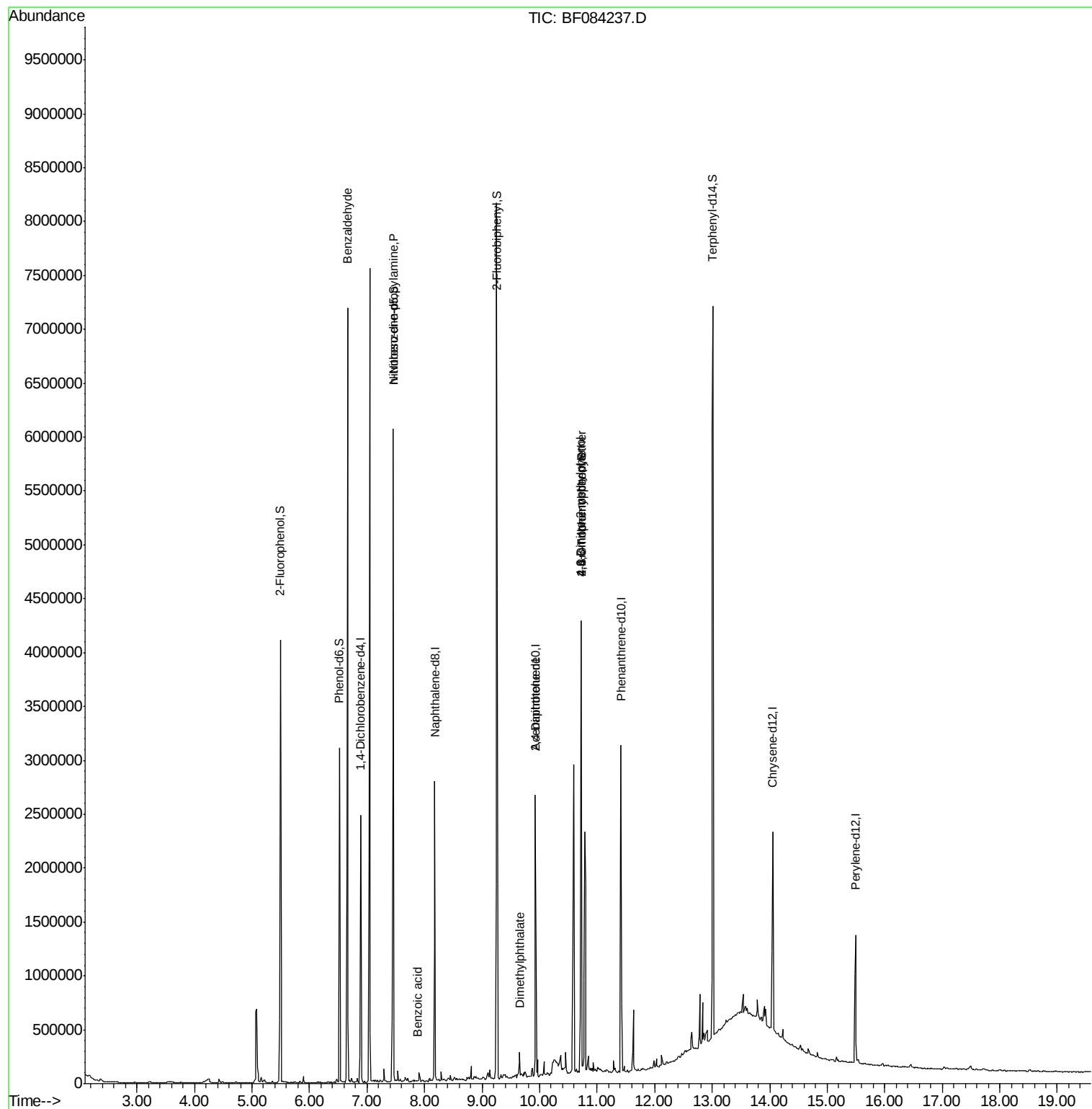
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	321870	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1359483	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	579759	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	1011176	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	698636	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1068835	53.71	ng	0.00
7) Phenol-d6	6.52	99	870257	34.82	ng	-0.01
23) Nitrobenzene-d5	7.46	82	2177537	89.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	769801	131.52	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	3218678	98.68	ng	-0.01
78) Terphenyl-d14	13.01	244	2897809	92.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	49242	3.03	ng	# 71
19) n-Nitroso-di-n-propylamine	7.46	70	321268	18.99	ng	# 70
32) Benzoic acid	7.87	122	3850	6.48	ng	# 94
49) Dimethylphthalate	9.65	163	106928	2.58	ng	# 91
54) Dibenzofuran	10.13	168	2330	Below Cal	#	85
56) 2,4-Dinitrotoluene	9.93	165	75981	6.60	ng	# 22
57) Fluorene	10.48	166	2128	Below Cal	#	39
60) 4-Chlorophenyl-phenylether	10.58	204	269	Below Cal	#	18
64) 4,6-Dinitro-2-methylphenol	10.72	198	2024	6.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	50068	4.60	ng	# 1
73) Di-n-butylphthalate	11.99	149	28372	Below Cal	#	96

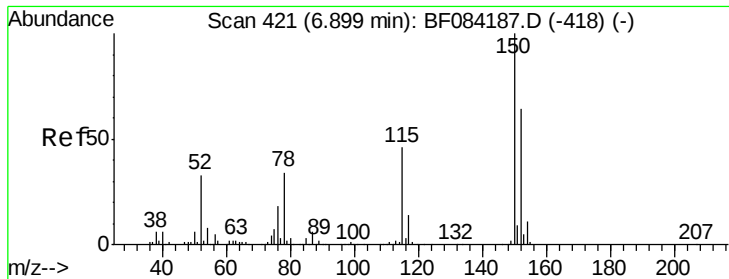
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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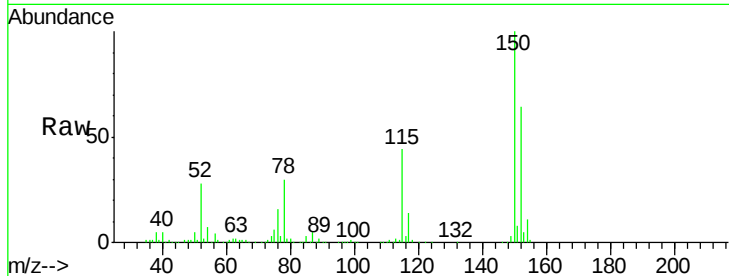


#1

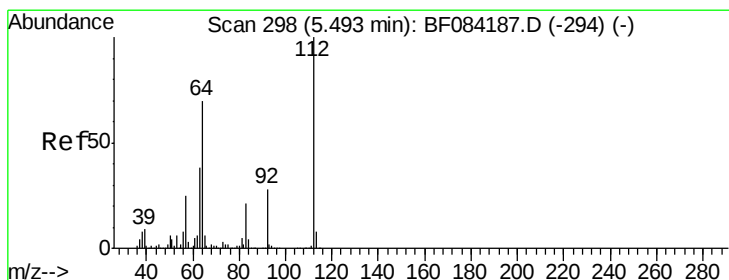
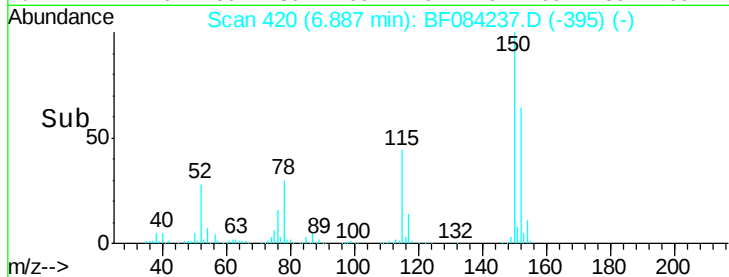
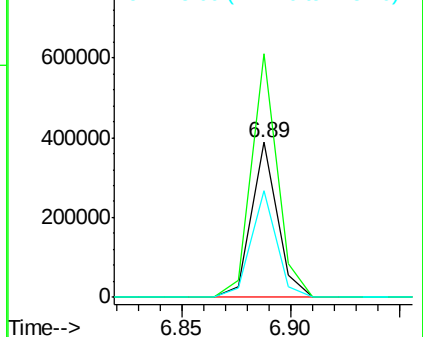
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF084237.D
Acq: 4 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :
S8-0531

Tgt Ion:152 Resp: 321870
Ion Ratio Lower Upper
152 100
150 157.0 123.0 184.4
115 69.0 51.4 77.2



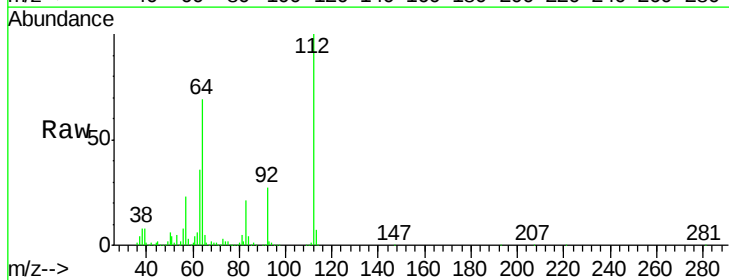
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



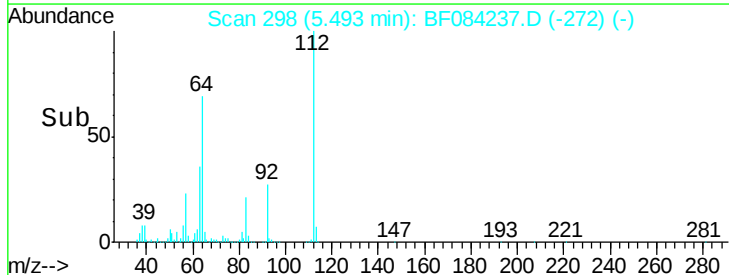
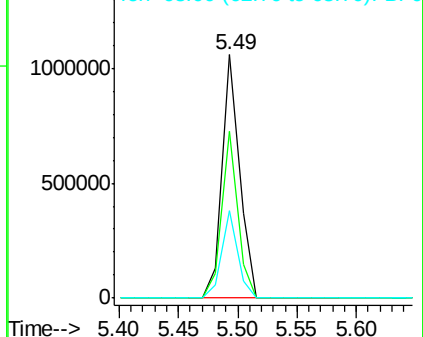
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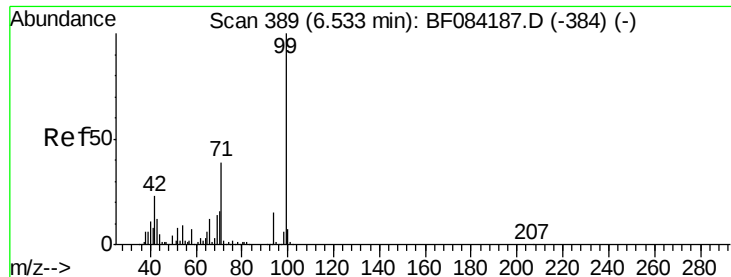
2-Fluorophenol
Concen: 53.71 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.00 min
Lab File: BF084237.D
Acq: 4 Jan 2016 14:27

Tgt Ion:112 Resp: 1068835
Ion Ratio Lower Upper
112 100
64 68.8 36.6 55.0#
63 35.8 19.4 29.0#



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: 34.82 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

S8-0531

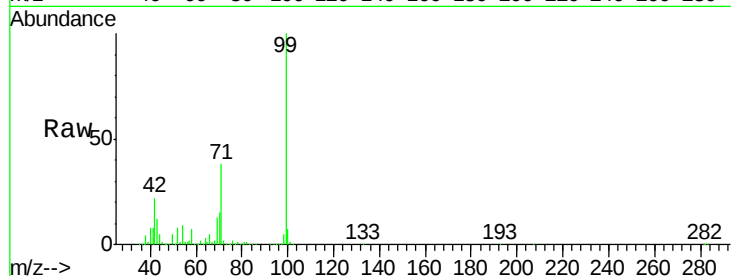
Tgt Ion: 99 Resp: 870257

Ion Ratio Lower Upper

99 100

42 22.2 12.8 19.2#

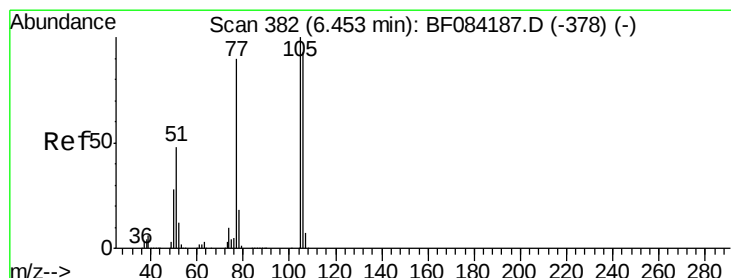
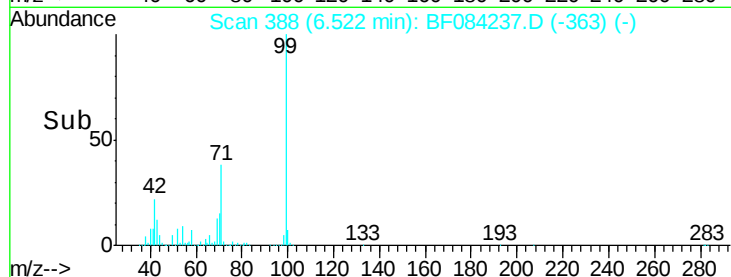
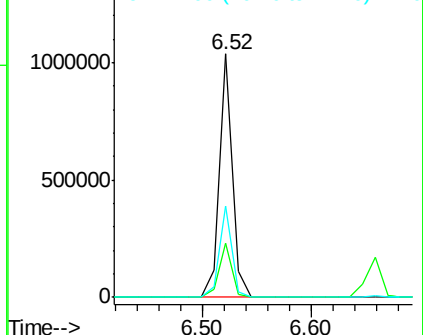
71 37.5 30.9 46.3



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: 3.03 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.21 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

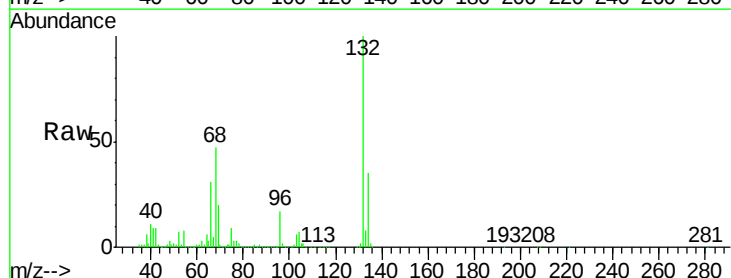
Tgt Ion: 77 Resp: 49242

Ion Ratio Lower Upper

77 100

105 73.9 83.0 123.0#

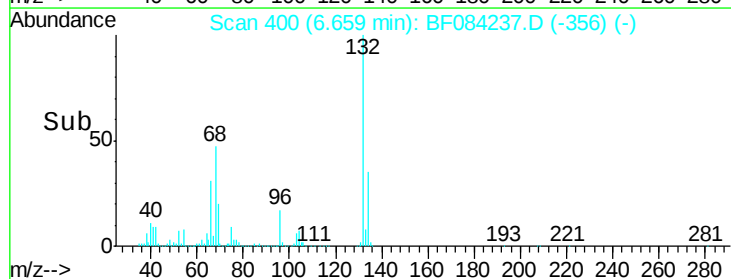
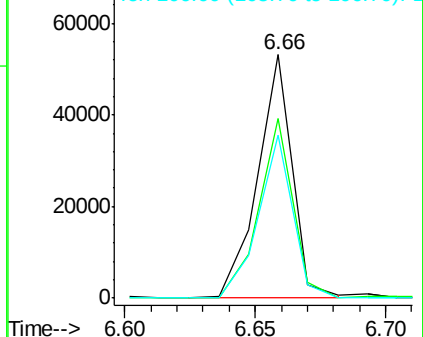
106 66.9 74.6 114.6#

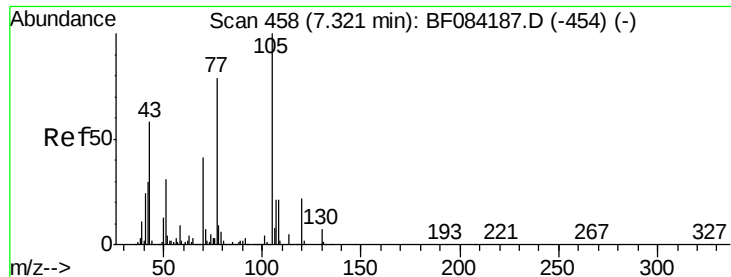


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

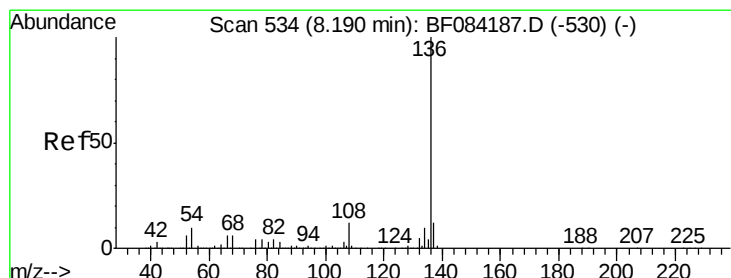
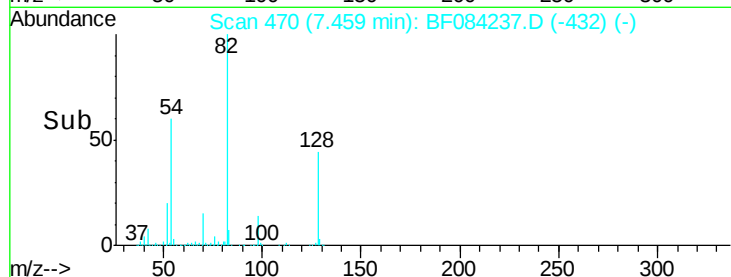
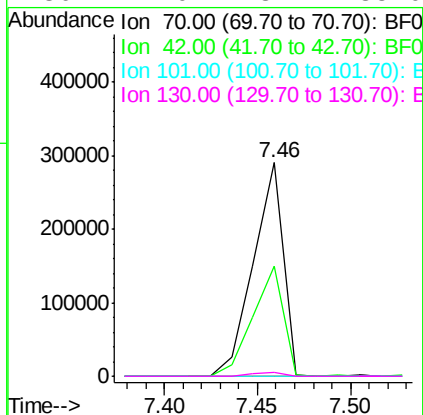
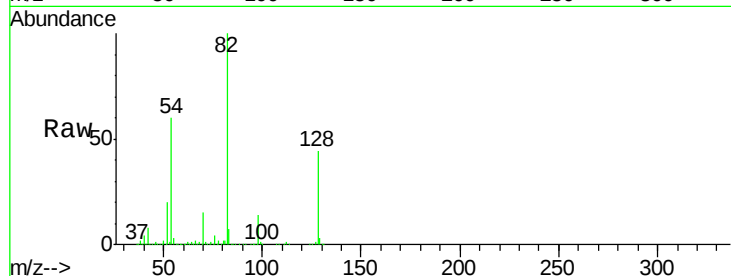




#19
n-Nitroso-di-n-propylamine
Concen: 18.99 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.14 min
Lab File: BF084237.D
Acq: 4 Jan 2016 14:27

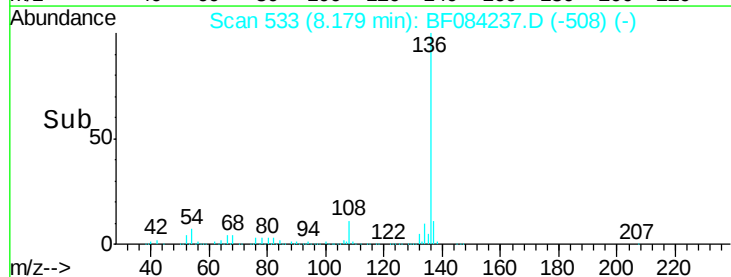
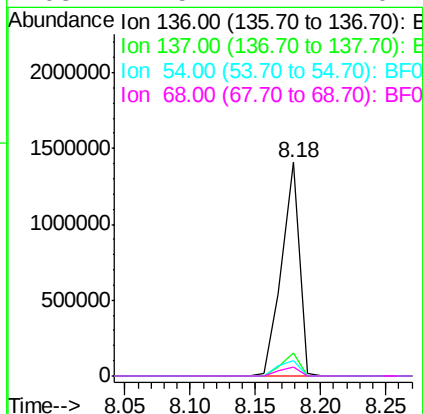
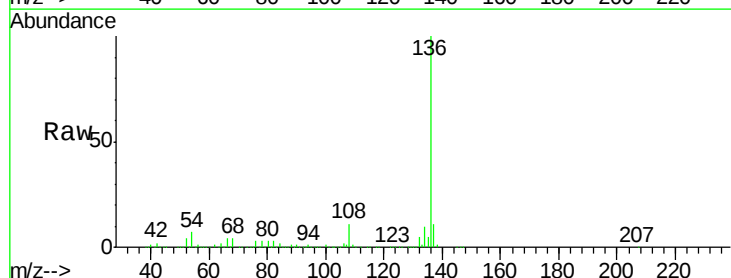
Instrument :
BNA_F
ClientSampleId :
S8-0531

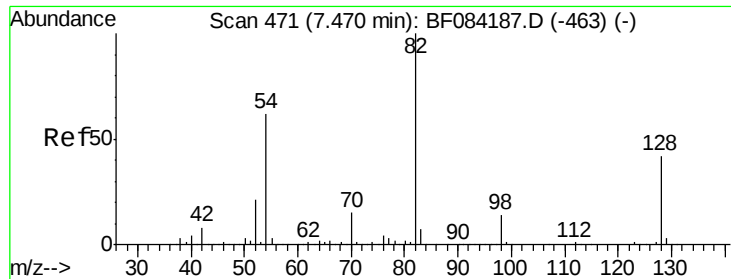
Tgt Ion: 70 Resp: 321268
Ion Ratio Lower Upper
70 100
42 51.8 33.3 49.9#
101 0.0 9.3 13.9#
130 2.0 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084237.D
Acq: 4 Jan 2016 14:27

Tgt Ion: 136 Resp: 1359483
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.0 5.8 8.8
68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 89.14 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

S8-0531

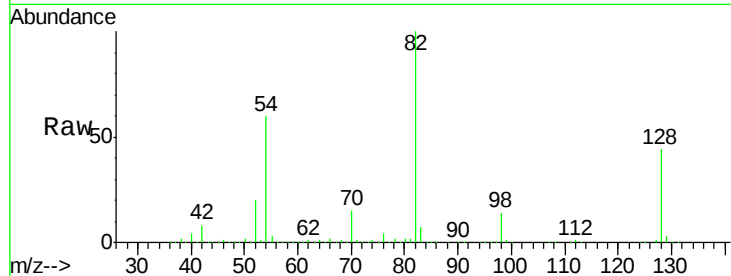
Tgt Ion: 82 Resp: 2177537

Ion Ratio Lower Upper

82 100

128 43.6 34.6 51.8

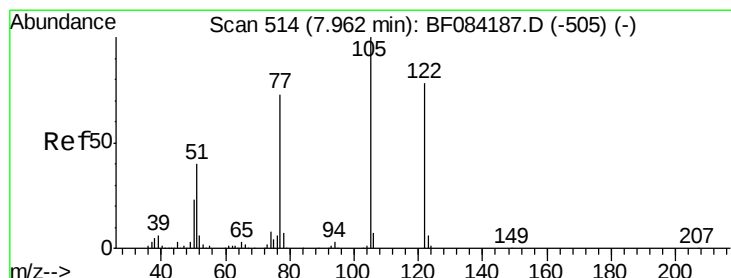
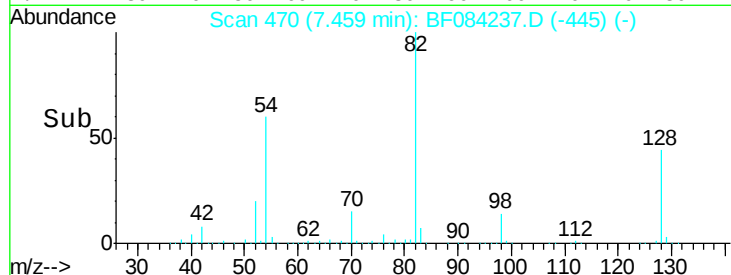
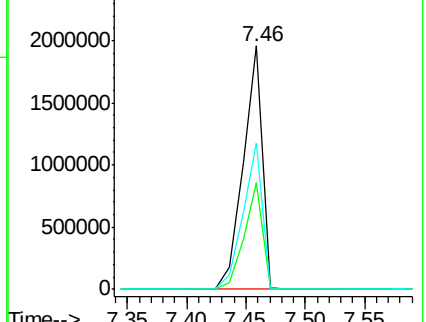
54 60.1 38.4 57.6#



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



#32

Benzoic acid

Concen: 6.48 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.09 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

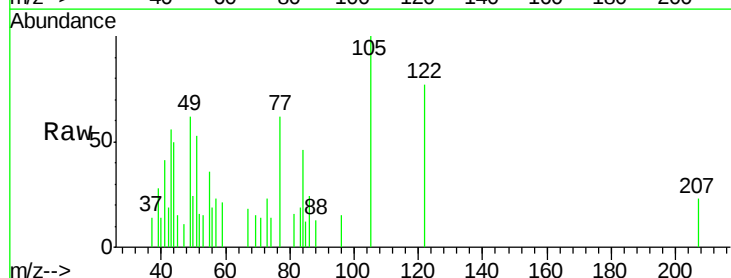
Tgt Ion: 122 Resp: 3850

Ion Ratio Lower Upper

122 100

105 129.6 100.3 140.3

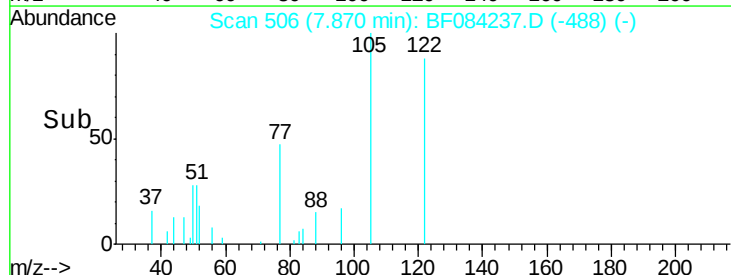
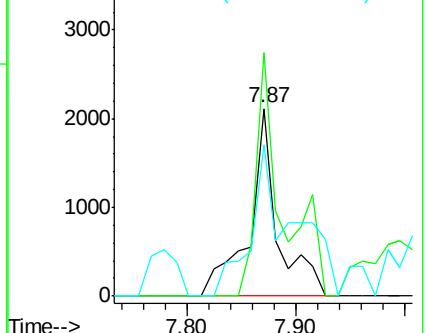
77 80.6 63.5 103.5

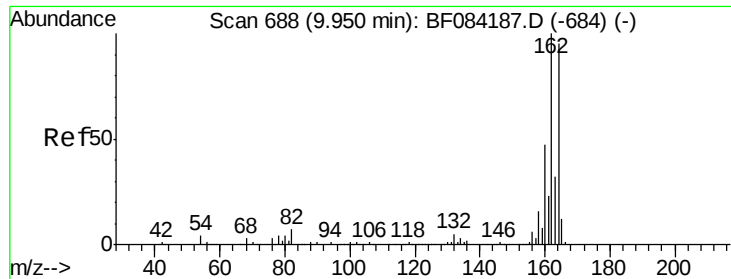


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

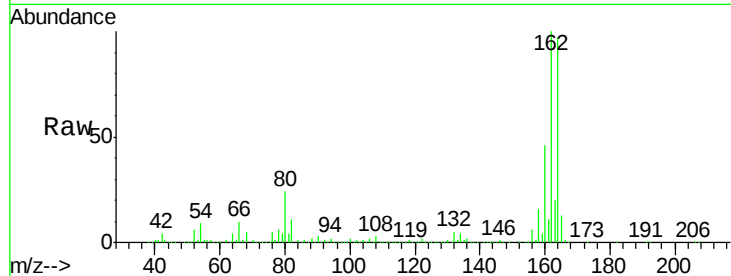




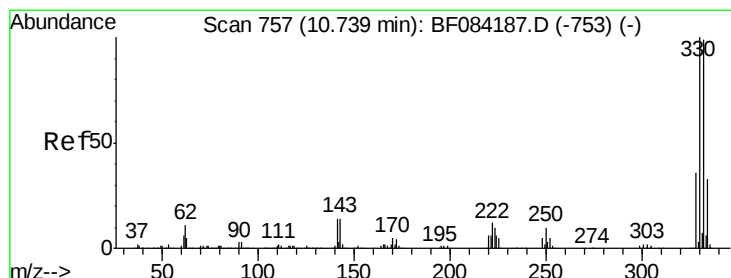
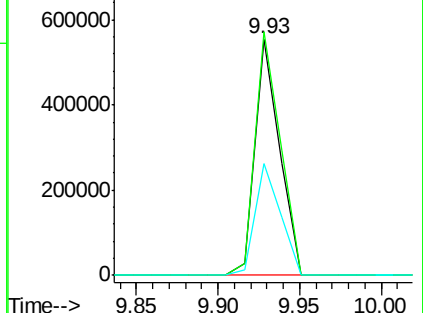
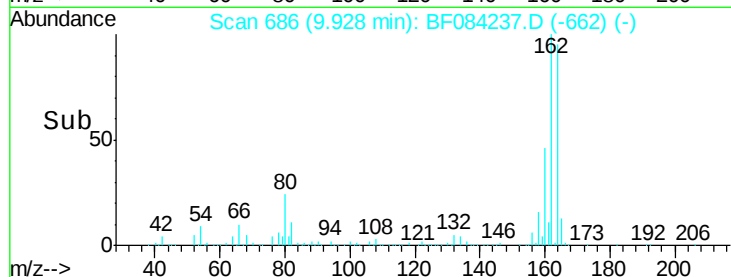
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Instrument :
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 ClientSampleId :
 S8-0531

Tgt Ion:164 Resp: 579759
 Ion Ratio Lower Upper
 164 100
 162 103.1 85.1 127.7
 160 47.6 37.5 56.3

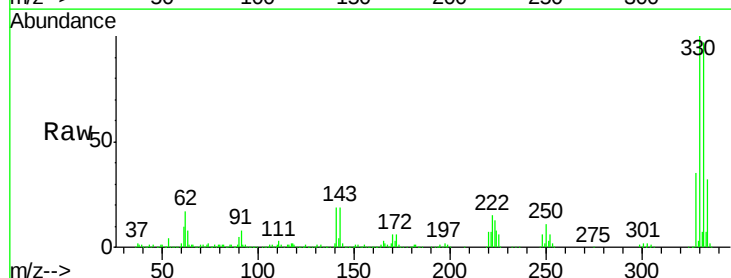


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

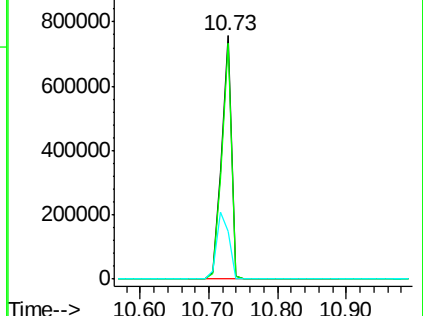
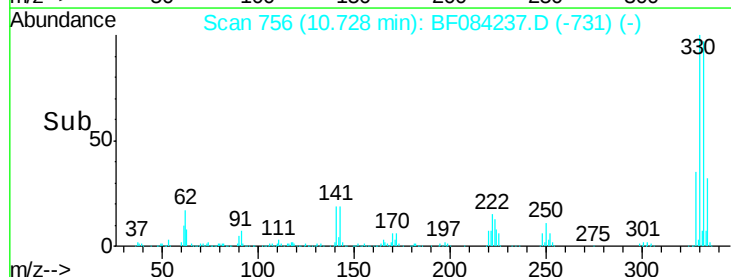


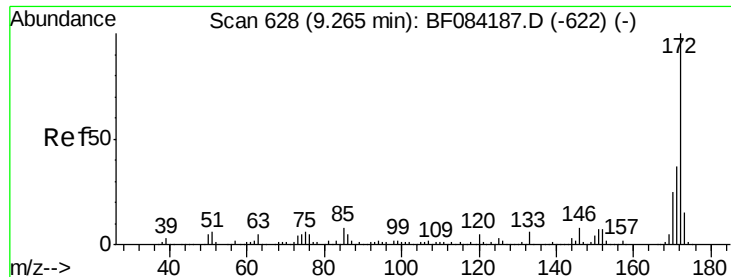
#41
 2,4,6-Tribromophenol
 Concen: 131.52 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Tgt Ion:330 Resp: 769801
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 34.3 27.8 41.6



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

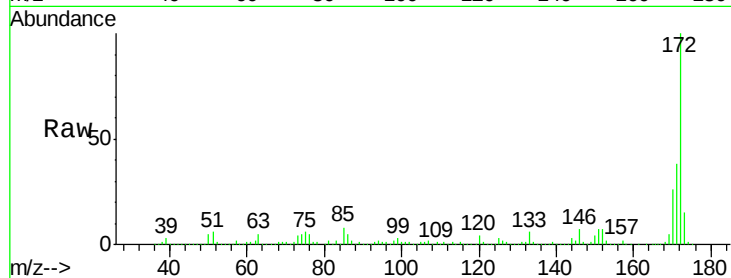




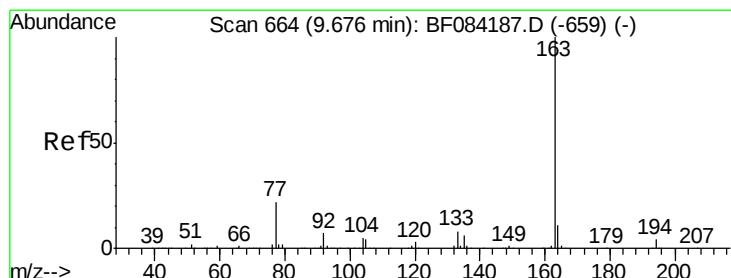
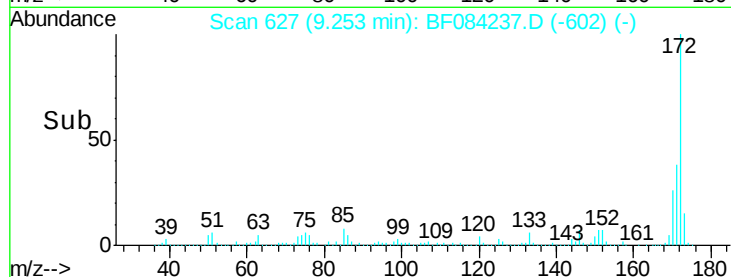
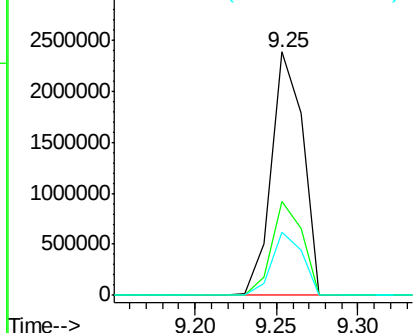
#44
 2-Fluorobiphenyl
 Concen: 98.68 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampleId :
 S8-0531

Tgt Ion:172 Resp: 3218678
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.9 43.3
 170 26.1 18.6 27.8

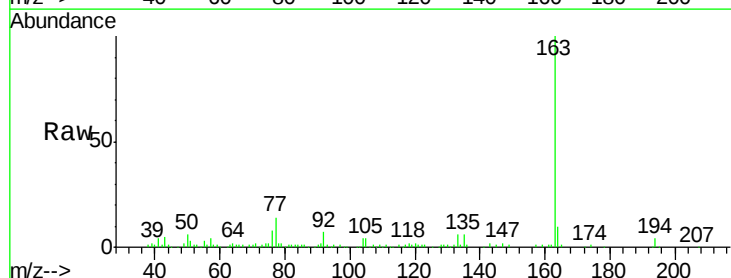


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

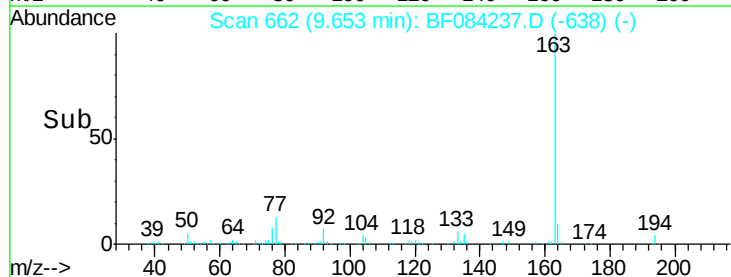
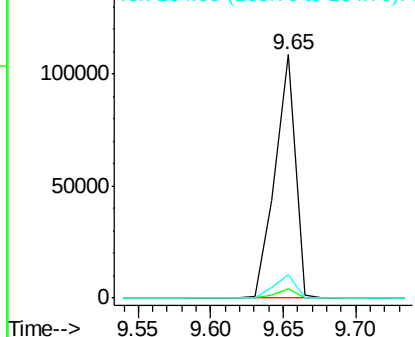


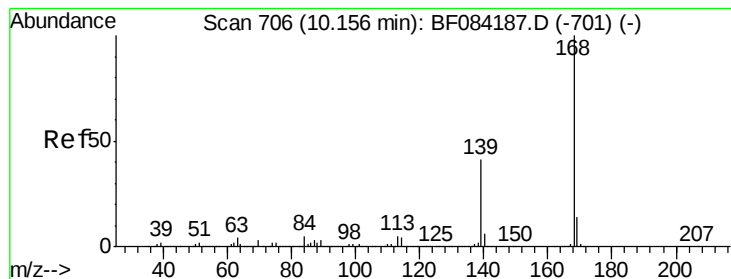
#49
 Dimethylphthalate
 Concen: 2.58 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Tgt Ion:163 Resp: 106928
 Ion Ratio Lower Upper
 163 100
 194 4.1 8.0 12.0#
 164 9.6 8.0 12.0



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





#54

Dibenzenofuran

Concen: Below Cal

RT: 10.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

S8-0531

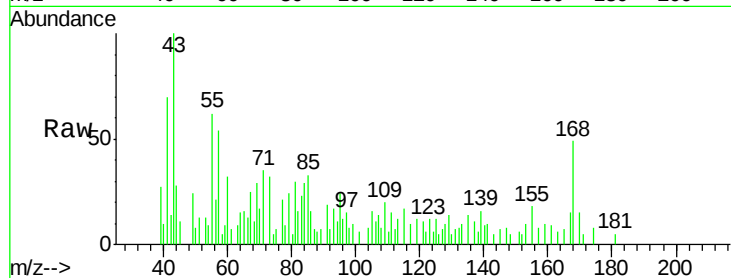
Tgt Ion:168 Resp: 2330

Ion Ratio Lower Upper

168 100

139 32.8 30.5 45.7

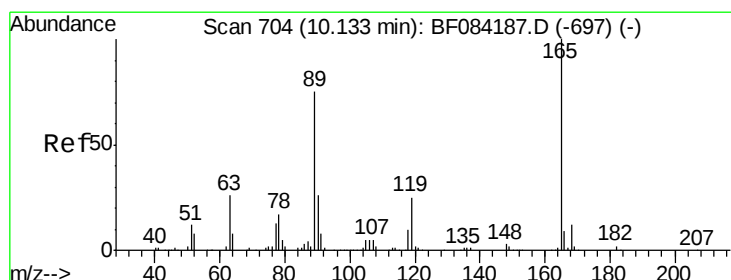
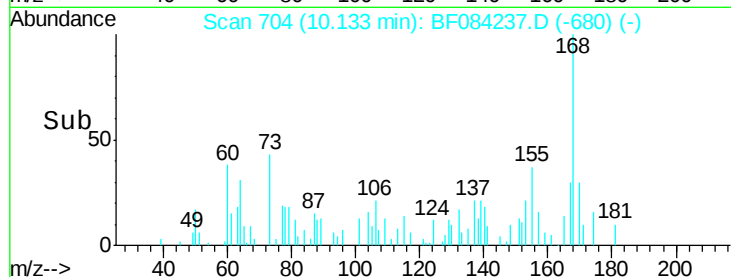
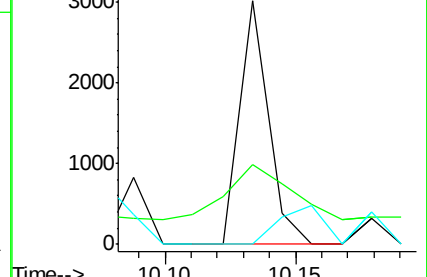
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.60 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.21 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Tgt Ion:165 Resp: 75981

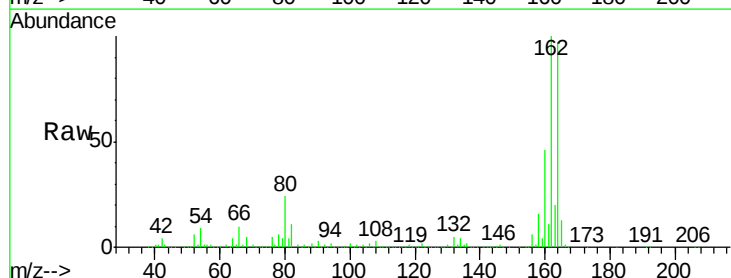
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 2.0 61.9 92.9#

182 0.6 2.0 3.0#

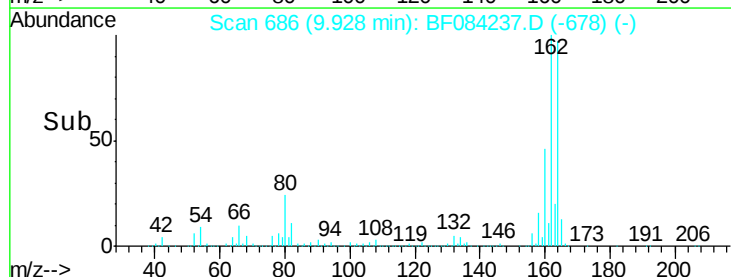
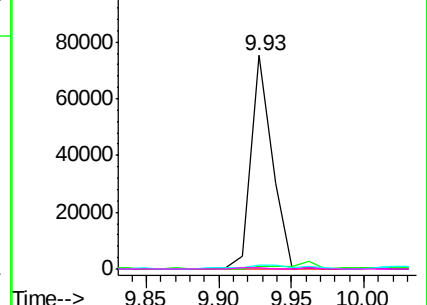


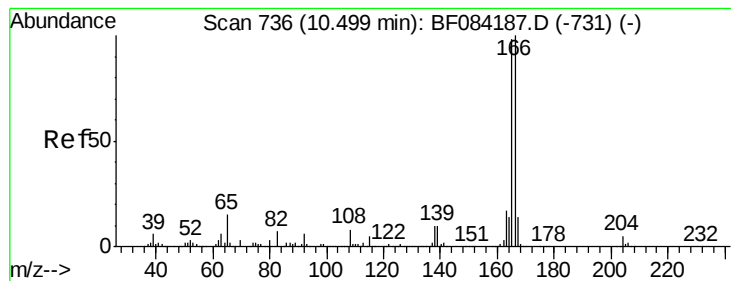
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

S8-0531

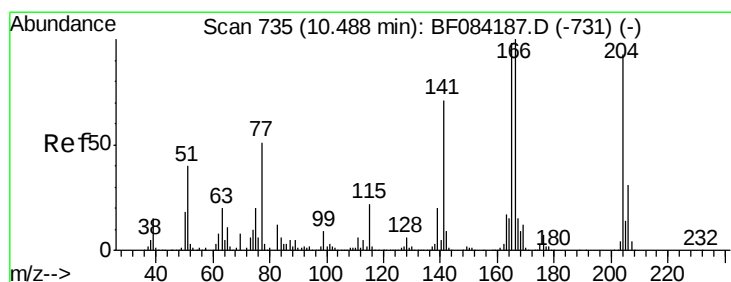
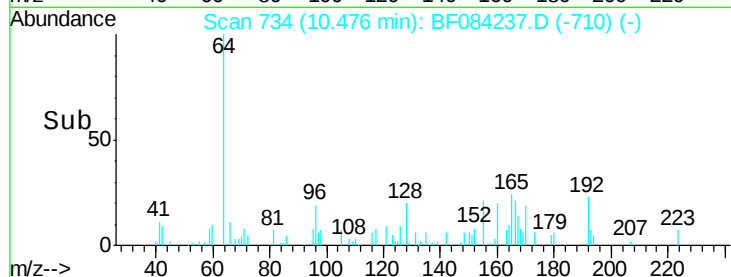
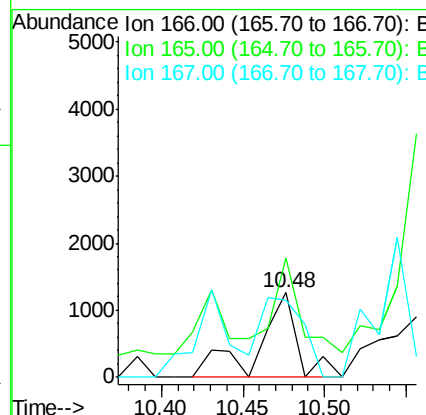
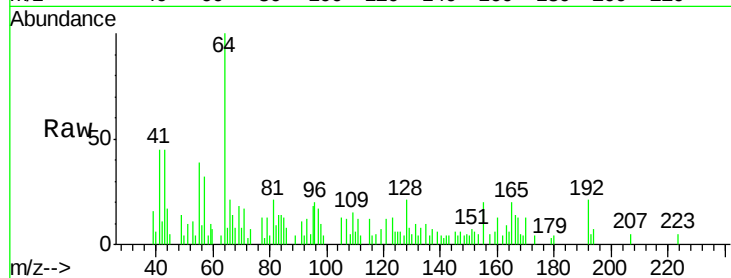
Tgt Ion:166 Resp: 2128

Ion Ratio Lower Upper

166 100

165 141.4 79.1 118.7#

167 90.8 10.4 15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.58 min Scan# 743

Delta R.T. 0.09 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

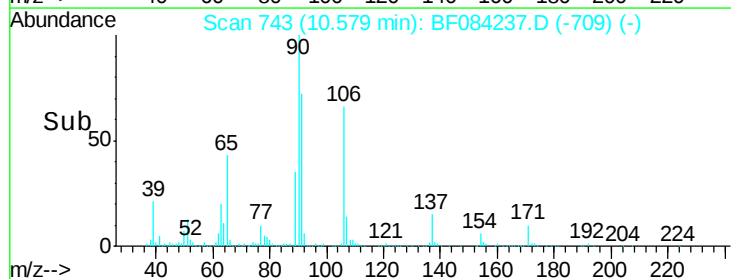
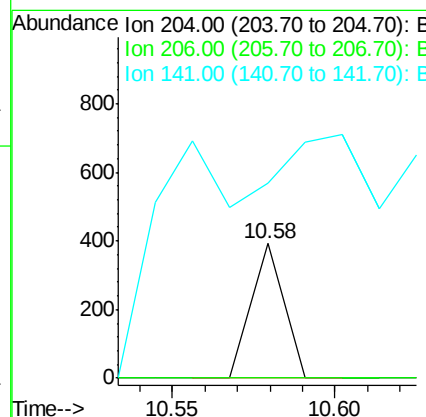
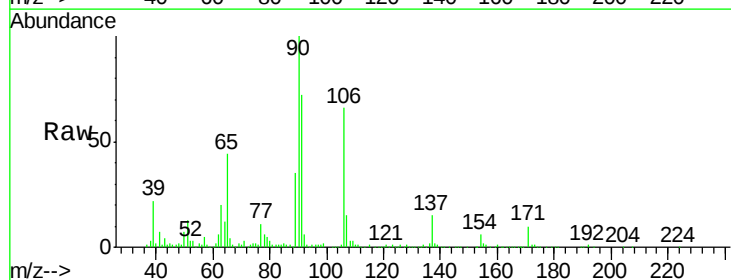
Tgt Ion:204 Resp: 269

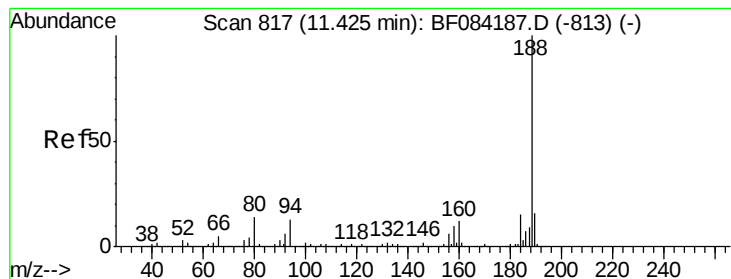
Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

141 144.8 55.1 82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

S8-0531

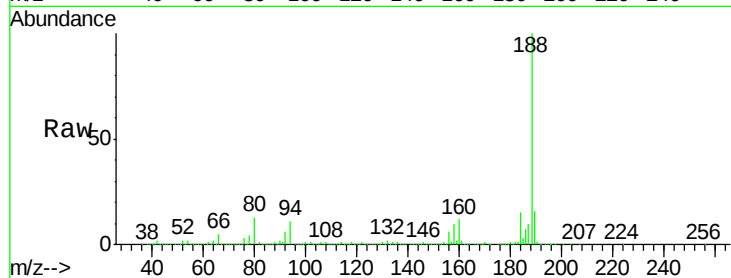
Tgt Ion:188 Resp: 1011176

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

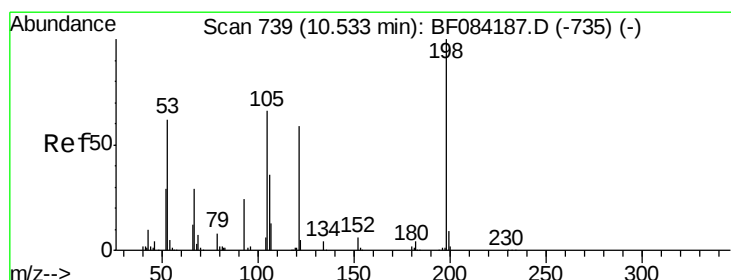
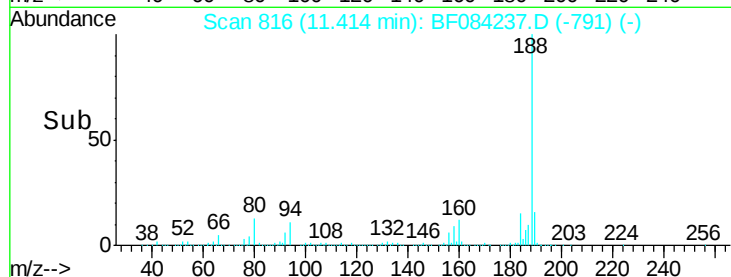
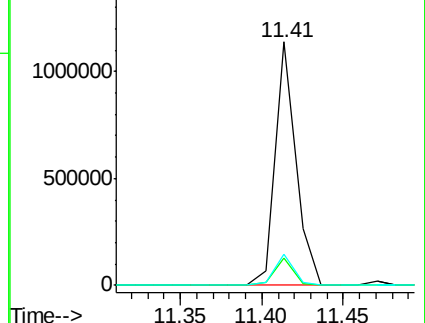
80 12.7 9.6 14.4



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: 6.66 ng

RT: 10.72 min Scan# 755

Delta R.T. 0.18 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

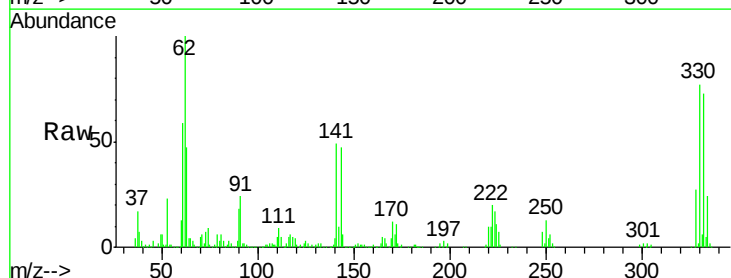
Tgt Ion:198 Resp: 2024

Ion Ratio Lower Upper

198 100

51 479.2 18.9 58.9#

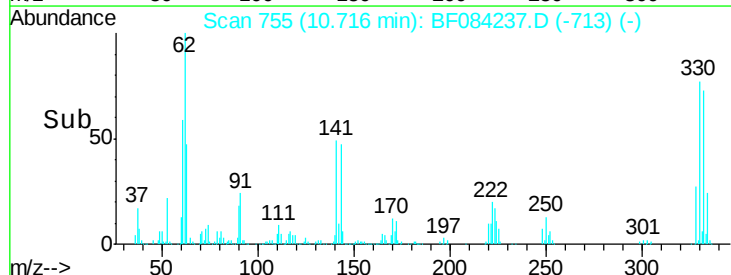
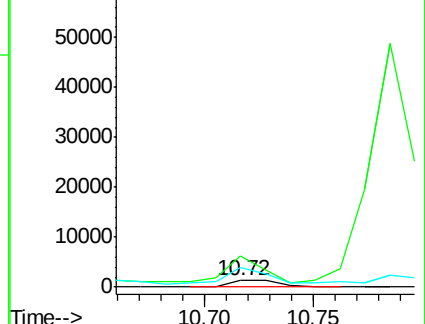
105 295.7 26.4 66.4#

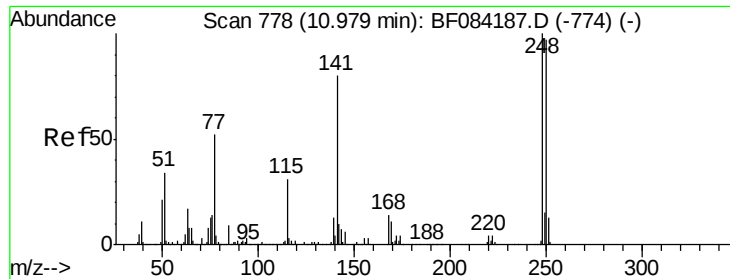


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

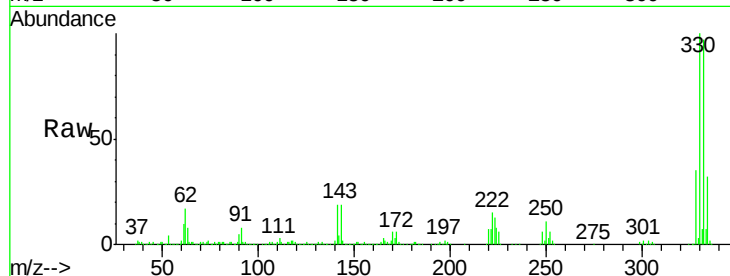




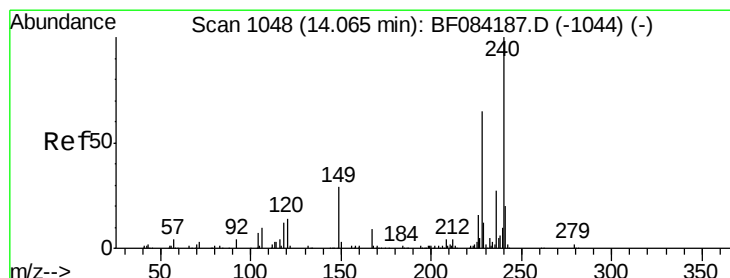
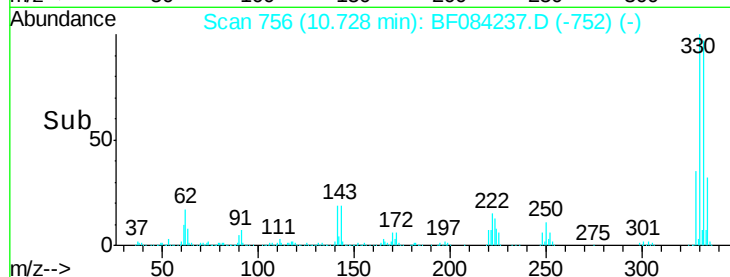
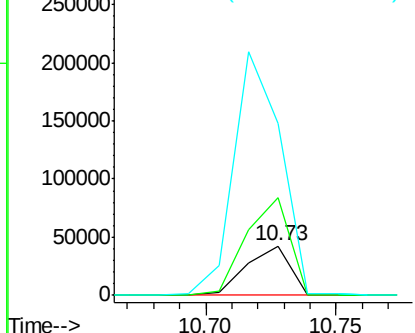
#66
 4-Bromophenyl-phenylether
 Concen: 4.60 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampled :
 S8-0531

Tgt Ion:248 Resp: 50068
 Ion Ratio Lower Upper
 248 100
 250 198.1 78.4 117.6#
 141 347.6 44.0 66.0#

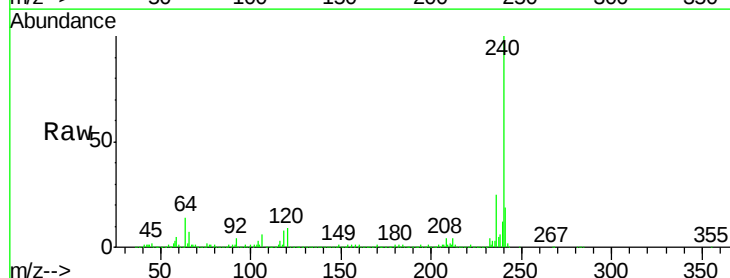


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

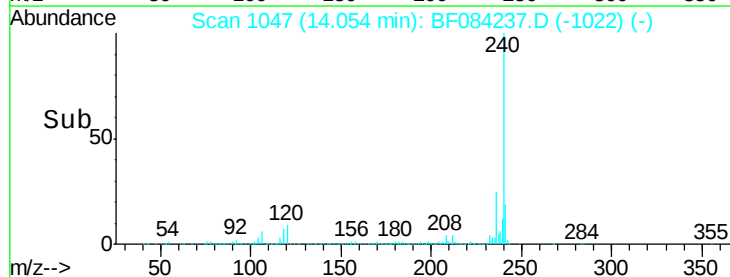
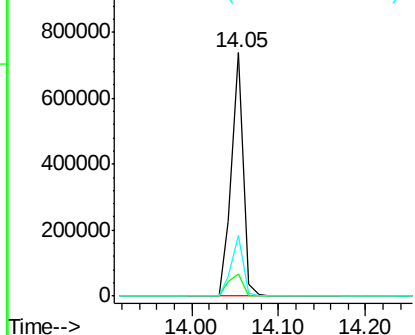


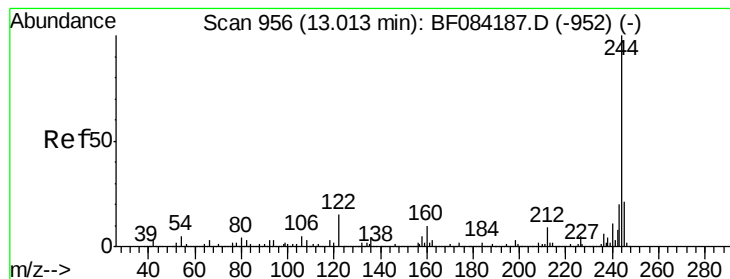
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF084237.D
 Acq: 4 Jan 2016 14:27

Tgt Ion:240 Resp: 698636
 Ion Ratio Lower Upper
 240 100
 120 8.9 9.5 14.3#
 236 24.8 20.6 31.0



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: 92.59 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

S8-0531

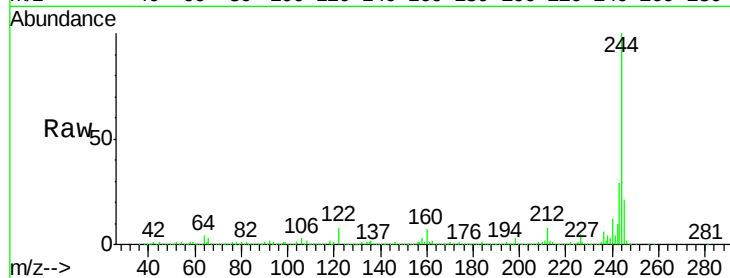
Tgt Ion:244 Resp: 2897809

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

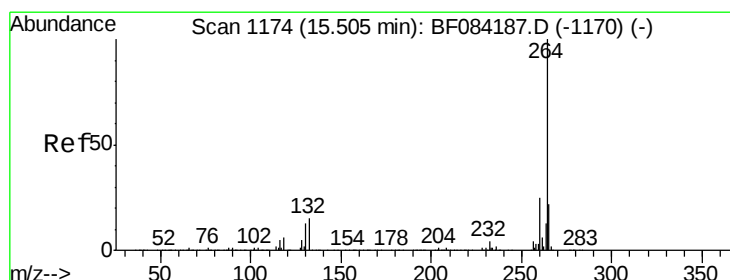
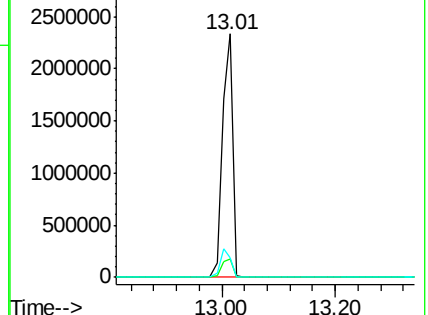
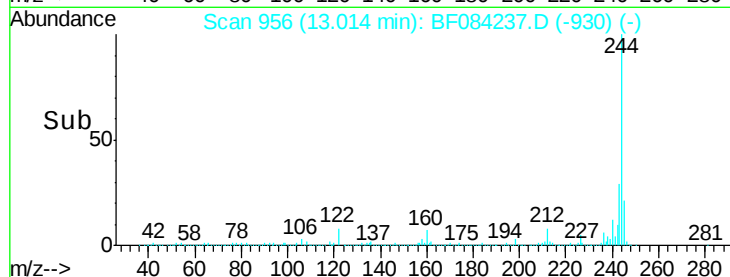
122 8.0 7.4 11.0



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: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084237.D

Acq: 4 Jan 2016 14:27

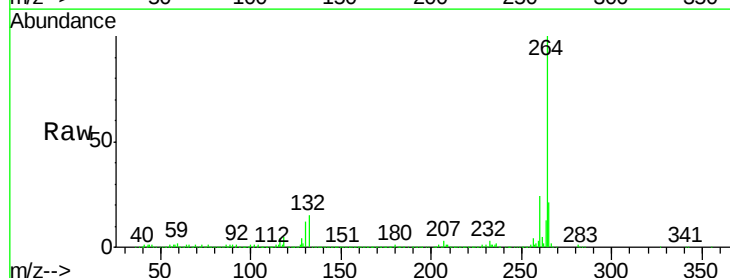
Tgt Ion:264 Resp: 601348

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.2 17.8 26.6



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

