

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087052.D
 Acq On : 15 May 2016 6:48
 Operator : UM/SJ
 Sample : H3052-05
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Time: May 16 04:54:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

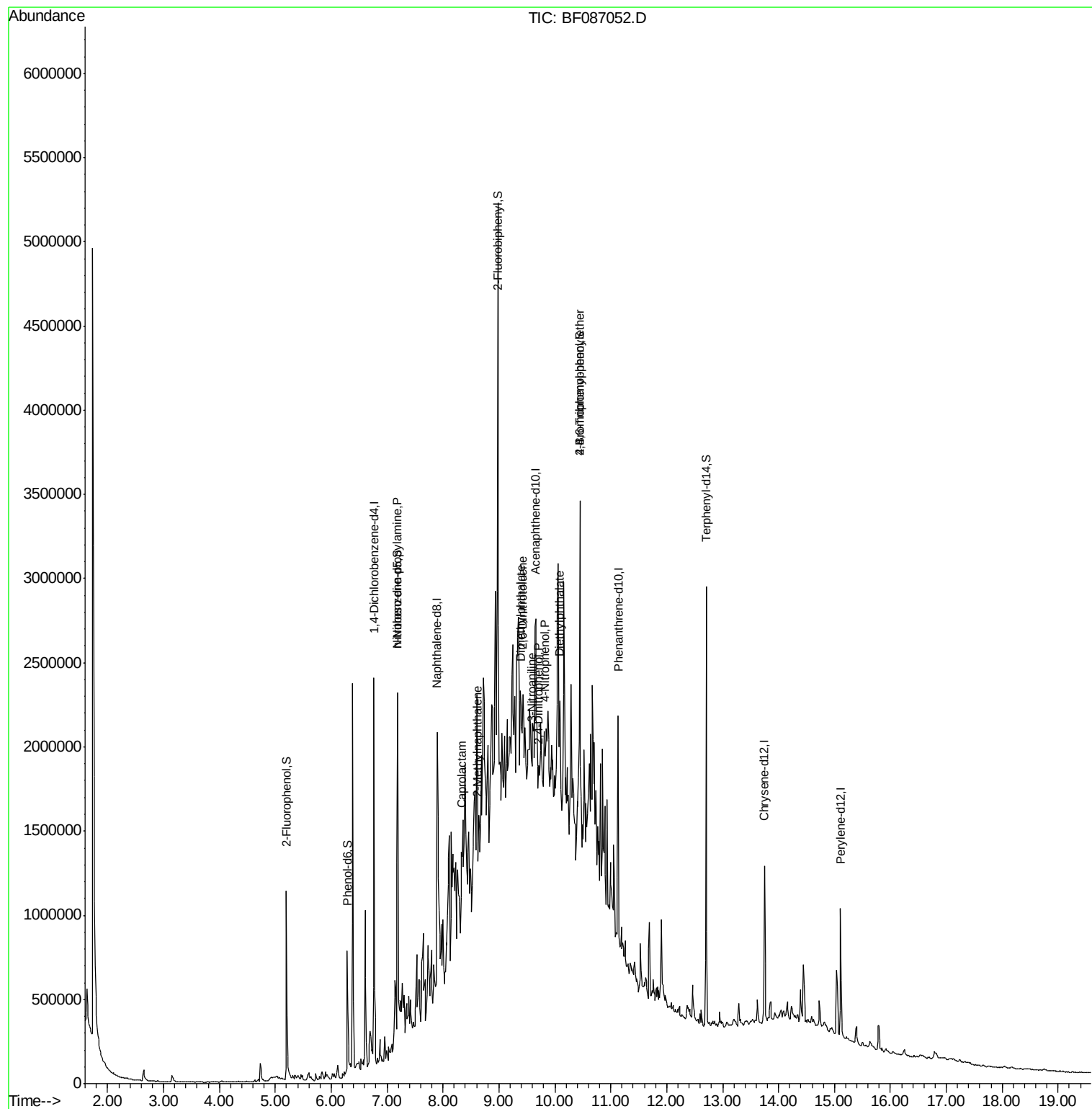
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	305601	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	565824	20.00	ng	-0.09
38) Acenaphthene-d10	9.66	164	259783	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	481045	20.00	ng	-0.08
75) Chrysene-d12	13.75	240	330561	20.00	ng	-0.09
86) Perylene-d12	15.11	264	315806	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	332492	18.43	ng	-0.09
7) Phenol-d6	6.28	99	323530	13.41	ng	-0.08
23) Nitrobenzene-d5	7.19	82	729391	64.73	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	260976	94.89	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1034727	66.94	ng	-0.08
78) Terphenyl-d14	12.71	244	771845	49.54	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	102991	6.11	ng	# 73
35) Caprolactam	8.33	113	12616	4.85	ng	# 1
37) 2-Methylnaphthalene	8.62	142	55871	3.37	ng	# 94
49) Dimethylphthalate	9.39	163	43070	2.17	ng	# 36
50) 2,6-Dinitrotoluene	9.43	165	9938	2.38	ng	# 72
52) 3-Nitroaniline	9.59	138	40553	9.24	ng	# 19
53) 2,4-Dinitrophenol	9.70	184	1785	8.45	ng	# 1
55) 4-Nitrophenol	9.82	139	6480	6.65	ng	# 1
59) Diethylphthalate	10.09	149	38930	2.02	ng	# 21
60) 4-Chlorophenyl-phenylether	10.18	204	1679	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.44	248	17400	3.57	ng	# 1

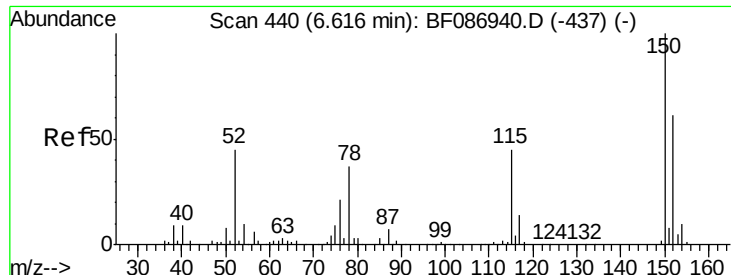
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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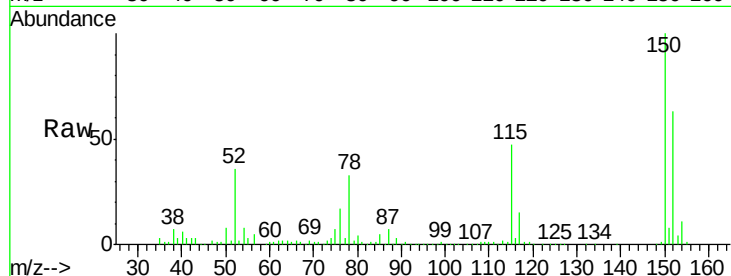




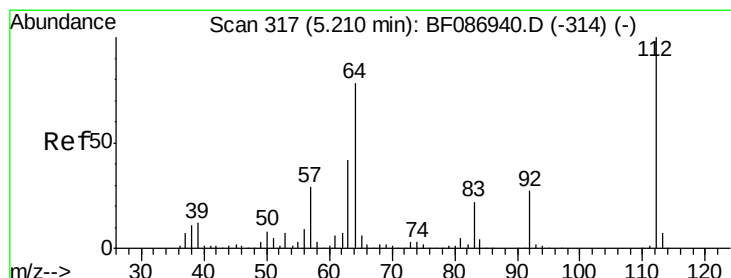
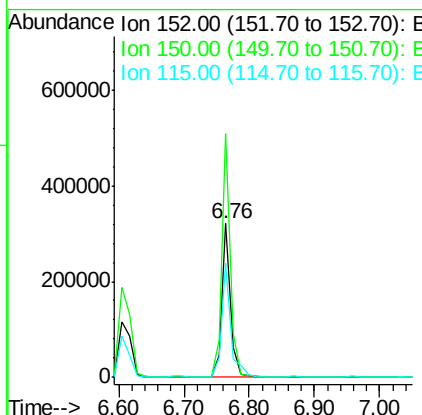
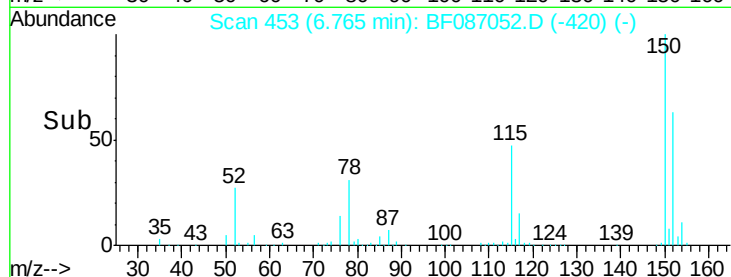
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 453
 Delta R.T. 0.07 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

Instrument :
 BNA_F
 ClientSampled :
 MW-02

Tgt Ion:152 Resp: 305601
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.8 188.6
 115 74.7 51.5 77.3

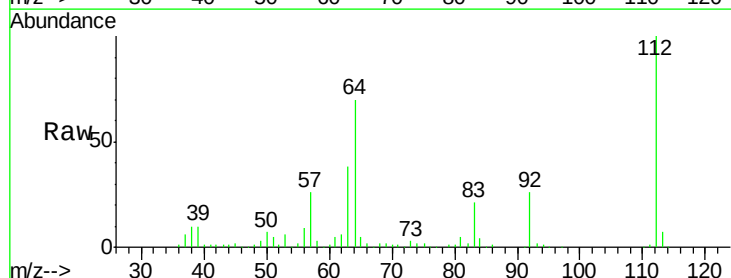


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

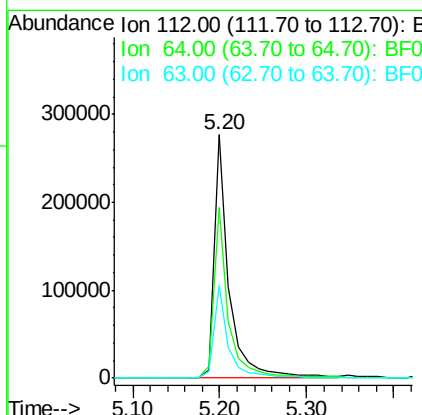
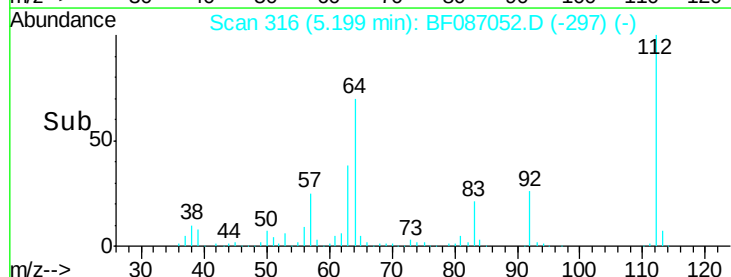


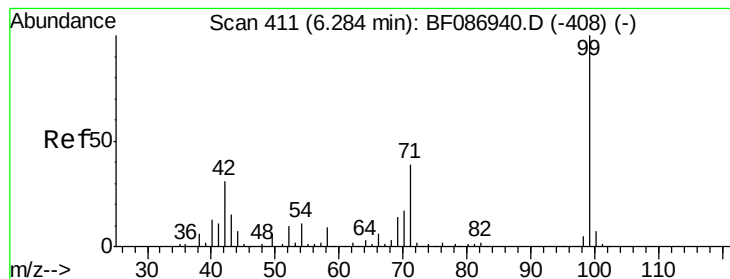
#5
 2-Fluorophenol
 Concen: 18.43 ng
 RT: 5.20 min Scan# 316
 Delta R.T. -0.09 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

Tgt Ion:112 Resp: 332492
 Ion Ratio Lower Upper
 112 100
 64 70.2 52.1 78.1
 63 38.2 25.7 38.5



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: 13.41 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

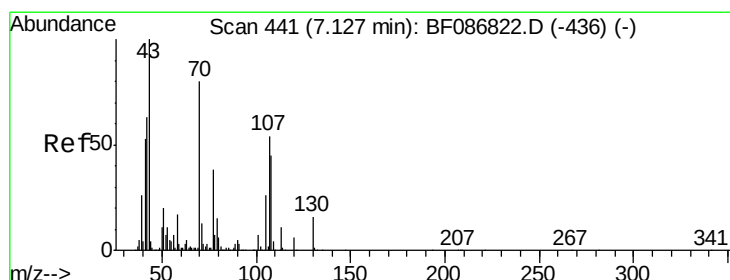
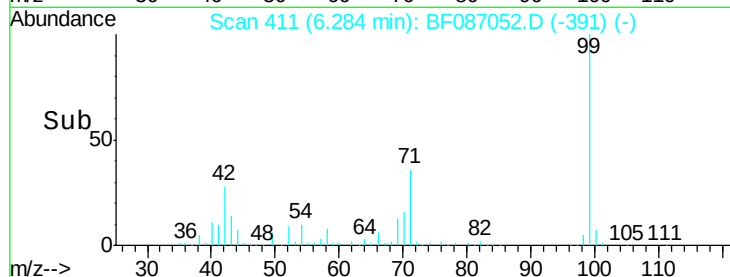
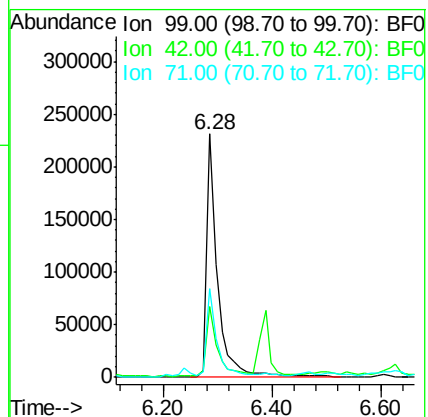
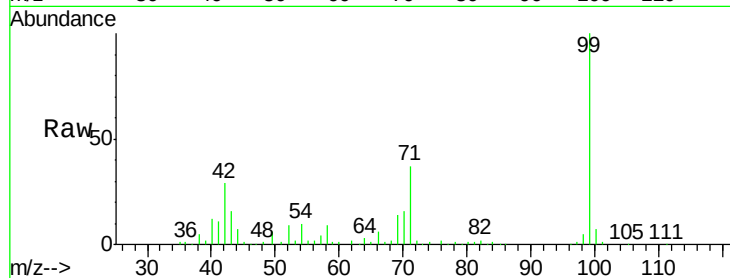
Tgt Ion: 99 Resp: 323530

Ion Ratio Lower Upper

99 100

42 29.1 13.6 20.4#

71 36.7 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.11 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Tgt Ion: 70 Resp: 102991

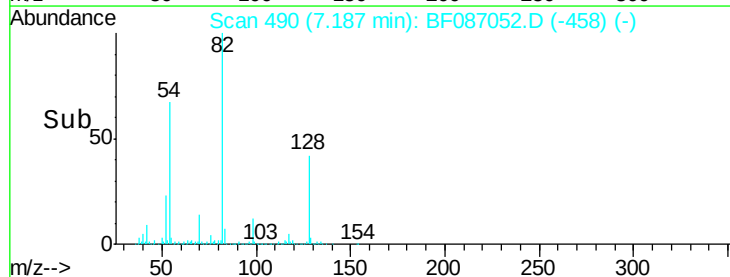
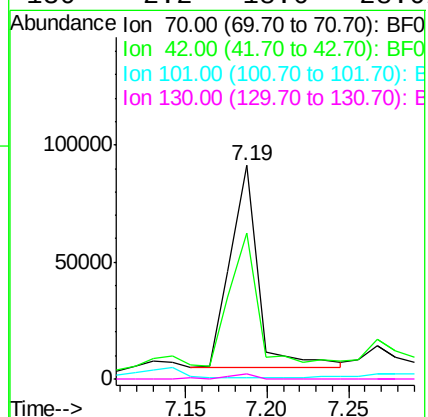
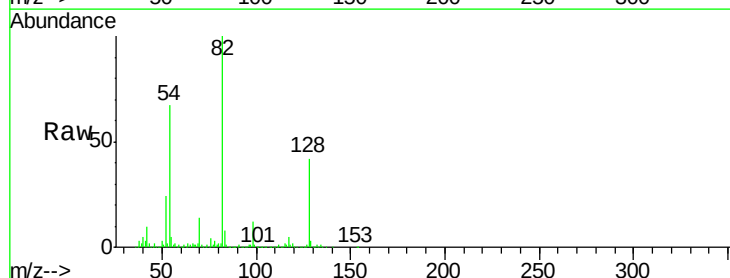
Ion Ratio Lower Upper

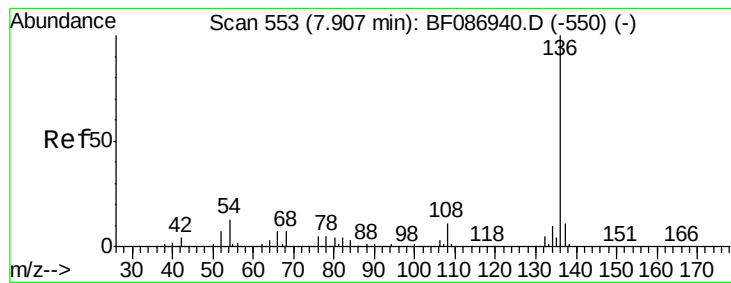
70 100

42 68.1 43.1 64.7#

101 0.7 8.1 12.1#

130 2.2 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

Tgt Ion:136 Resp: 565824

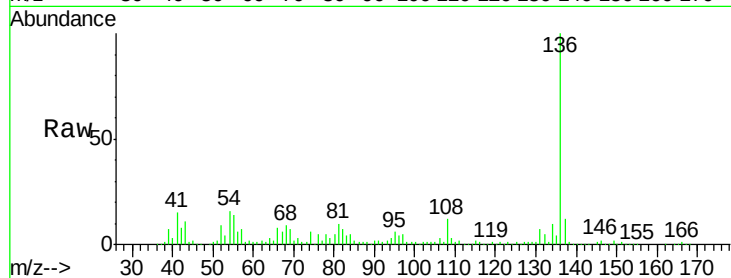
Ion Ratio Lower Upper

136 100

137 11.7 8.8 13.2

54 16.4 5.0 7.4#

68 9.0 4.4 6.6#

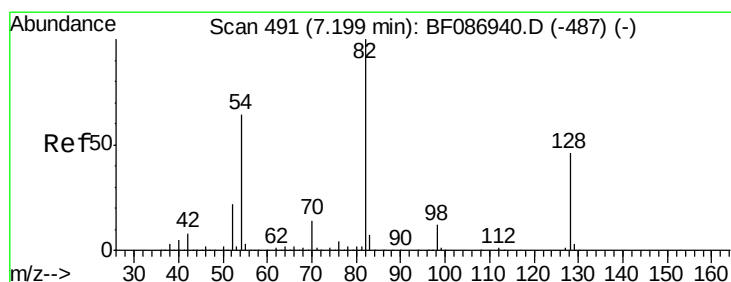
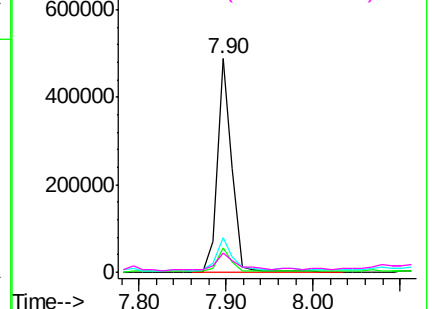
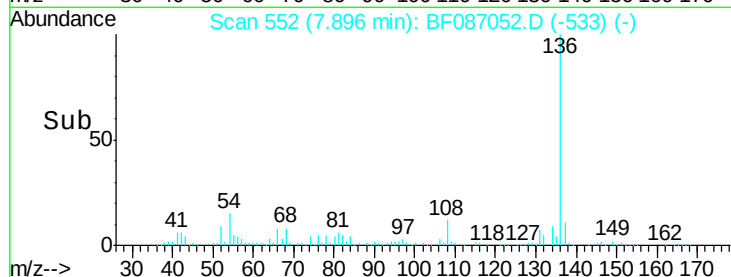


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.73 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

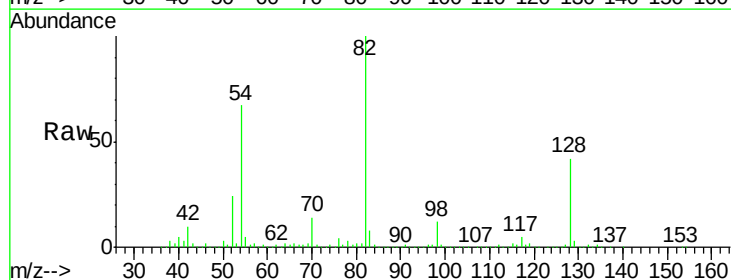
Tgt Ion: 82 Resp: 729391

Ion Ratio Lower Upper

82 100

128 41.9 40.6 61.0

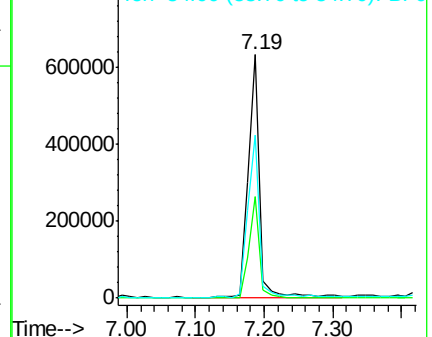
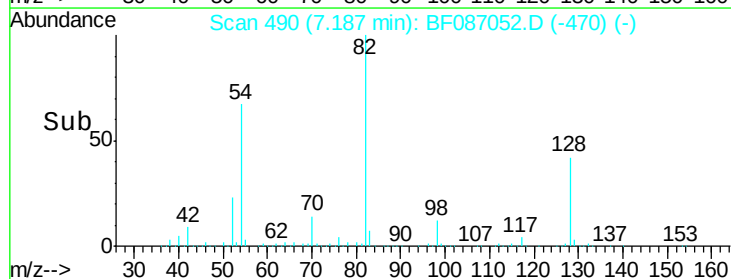
54 67.2 38.1 57.1#

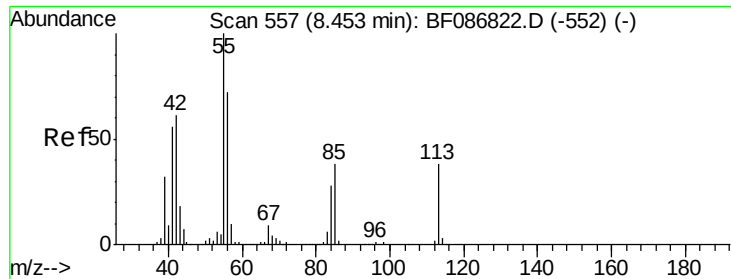


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

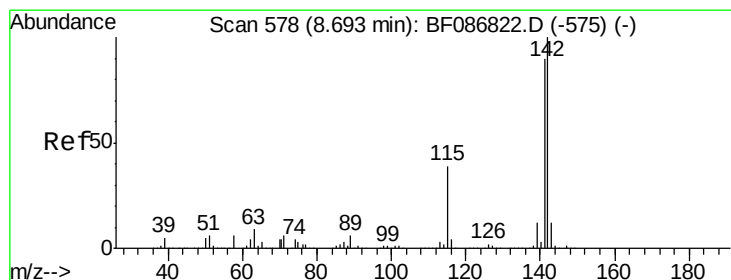
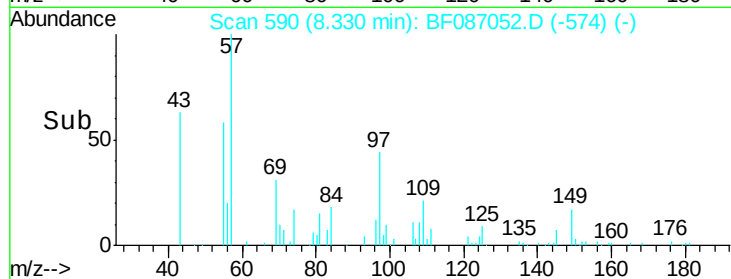
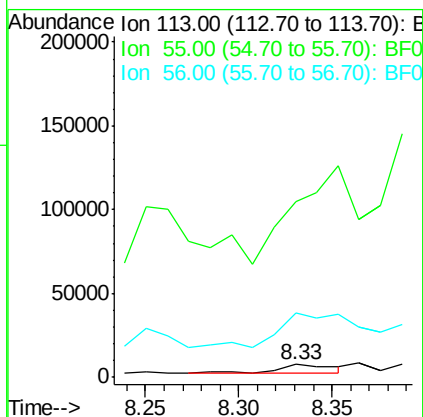
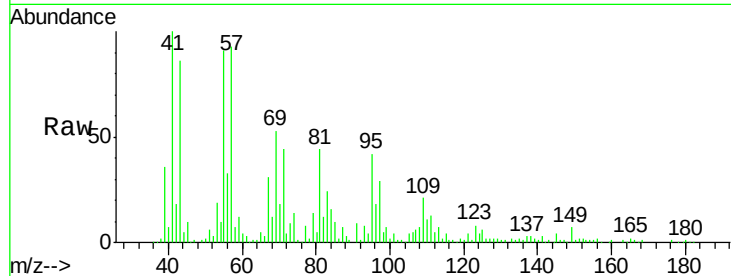




#35
 Caprolactam
 Concen: 4.85 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.12 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

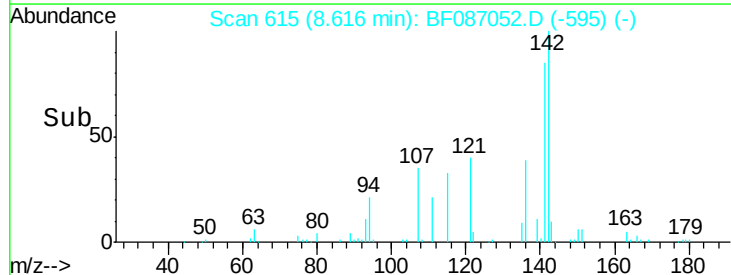
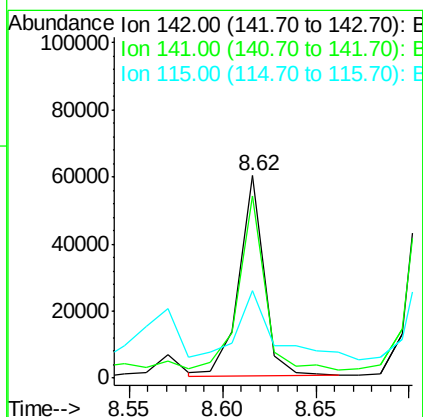
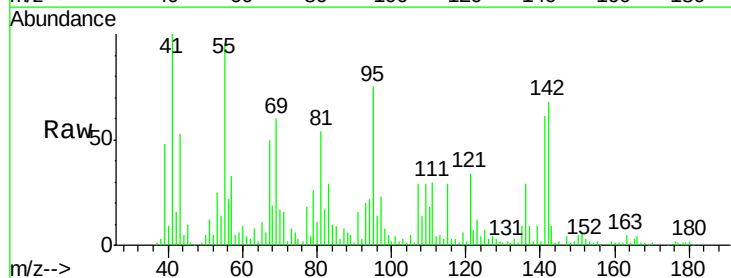
Instrument :
 BNA_F
 ClientSampleId :
 MW-02

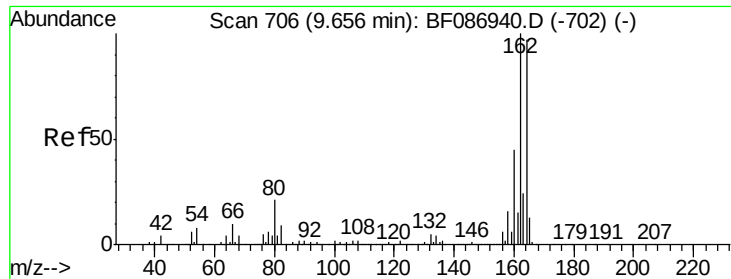
Tgt Ion:113 Resp: 12616
 Ion Ratio Lower Upper
 113 100
 55 1392.6 162.0 202.0#
 56 507.9 115.3 155.3#



#37
 2-Methylnaphthalene
 Concen: 3.37 ng
 RT: 8.62 min Scan# 615
 Delta R.T. -0.08 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

Tgt Ion:142 Resp: 55871
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.0 106.6
 115 43.3 26.6 39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

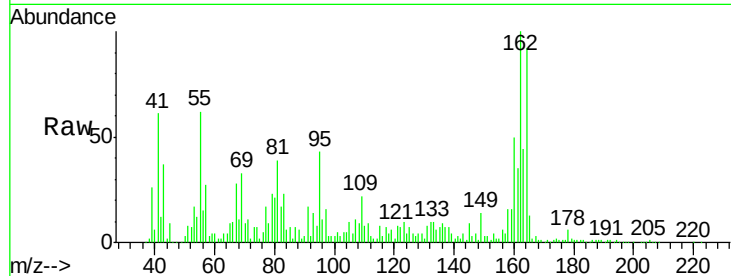
Tgt Ion:164 Resp: 259783

Ion Ratio Lower Upper

164 100

162 108.2 82.8 124.2

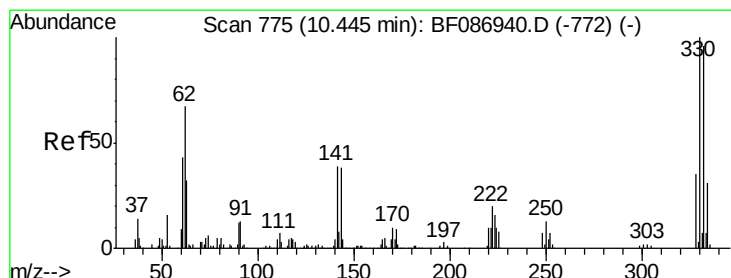
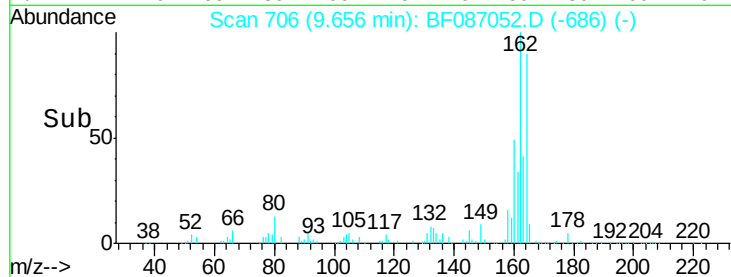
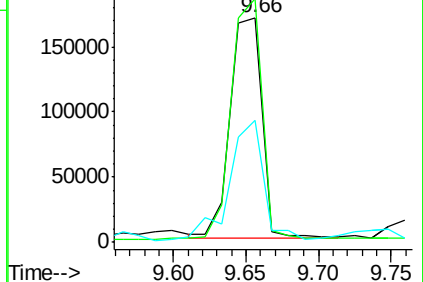
160 54.2 36.9 55.3



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: 94.89 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

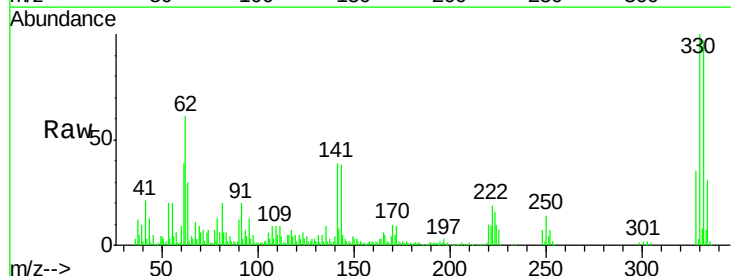
Tgt Ion:330 Resp: 260976

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

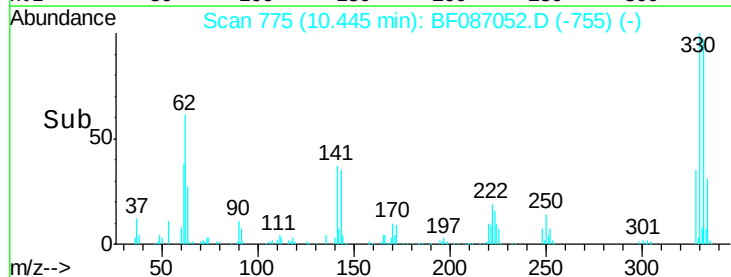
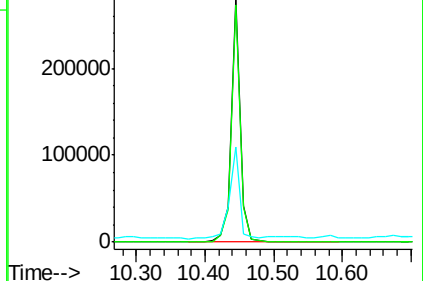
141 41.6 31.2 46.8

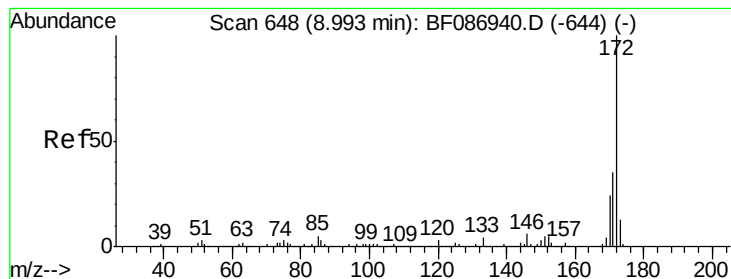


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

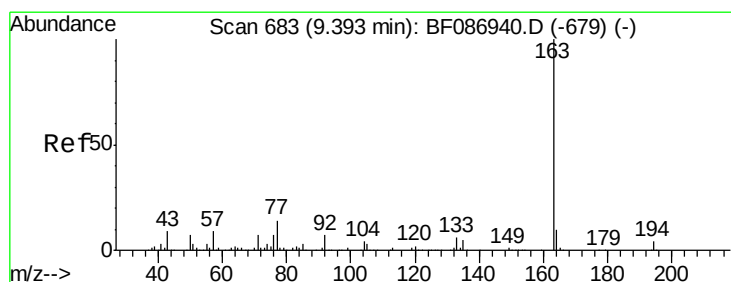
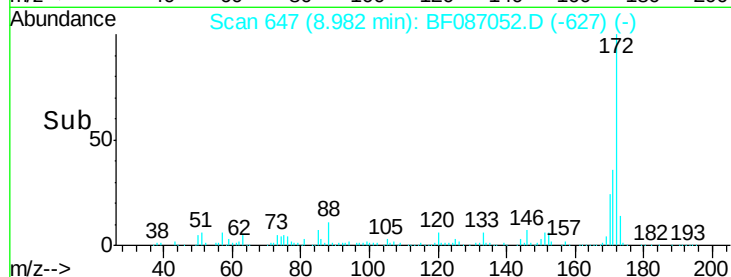
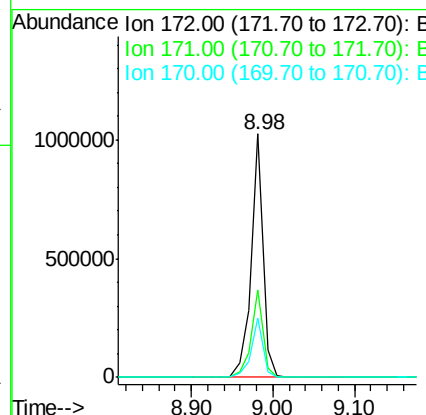
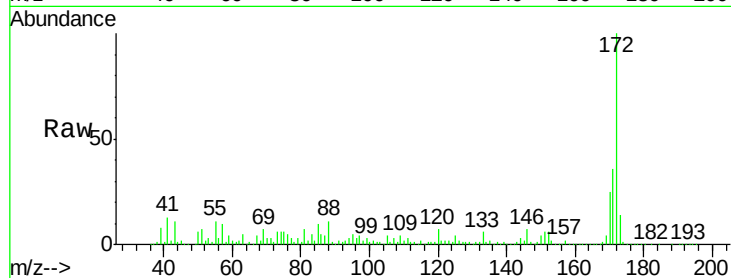




#44
2-Fluorobiphenyl
Concen: 66.94 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.08 min
Lab File: BF087052.D
Acq: 15 May 2016 6:48

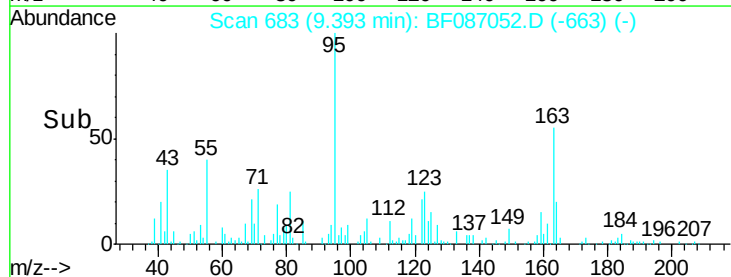
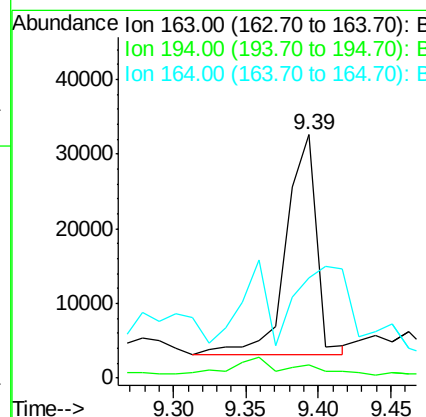
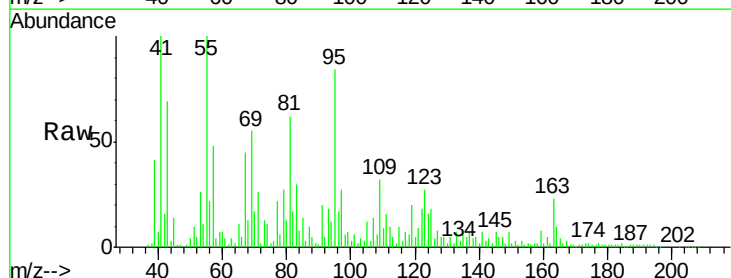
Instrument :
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ClientSampleId :
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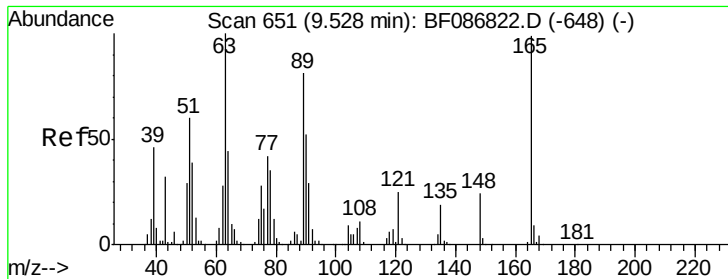
Tgt Ion:172 Resp: 1034727
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.6
170 24.5 19.8 29.8



#49
Dimethylphthalate
Concen: 2.17 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.08 min
Lab File: BF087052.D
Acq: 15 May 2016 6:48

Tgt Ion:163 Resp: 43070
Ion Ratio Lower Upper
163 100
194 5.4 2.6 4.0#
164 41.0 8.2 12.4#





#50

2,6-Dinitrotoluene

Concen: 2.38 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.10 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

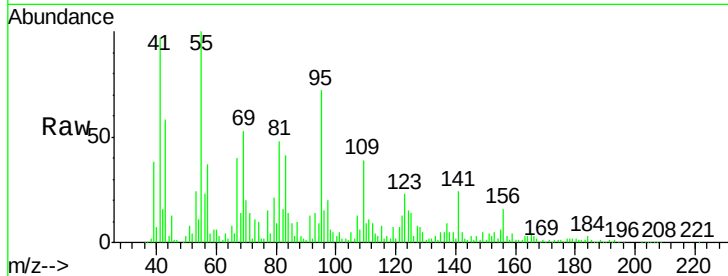
Tgt Ion:165 Resp: 9938

Ion Ratio Lower Upper

165 100

63 89.8 51.8 77.8#

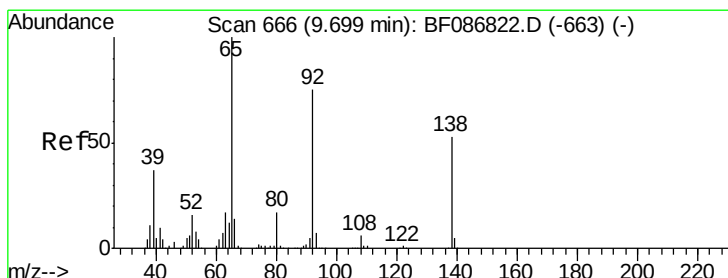
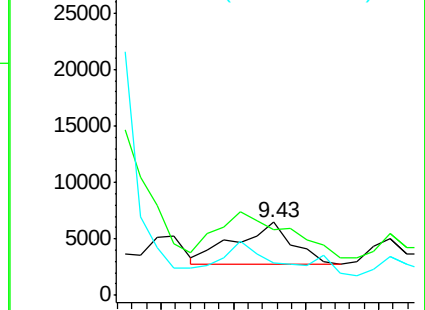
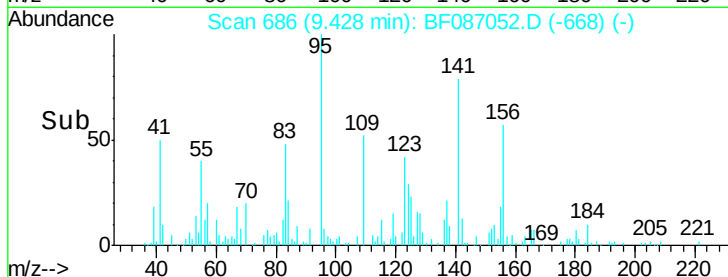
89 45.3 50.7 76.1#



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



#52

3-Nitroaniline

Concen: 9.24 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.11 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

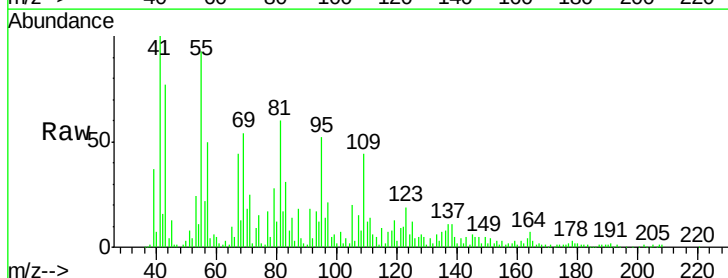
Tgt Ion:138 Resp: 40553

Ion Ratio Lower Upper

138 100

108 69.6 7.8 11.6#

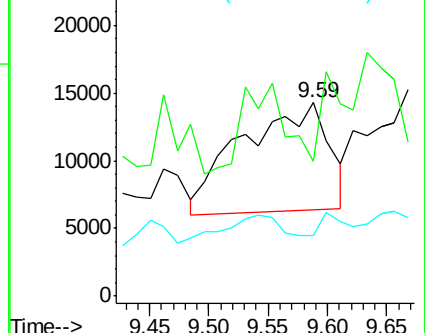
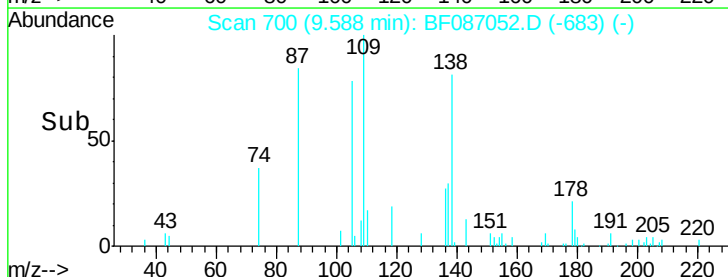
92 31.7 87.8 131.8#

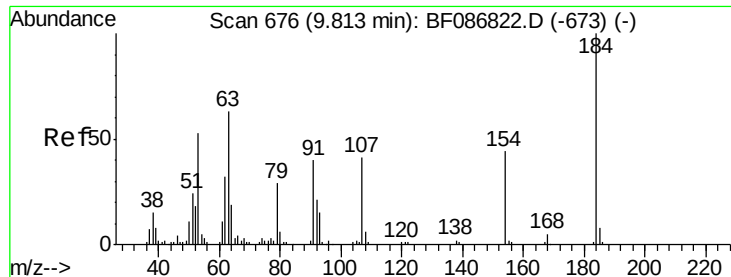


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

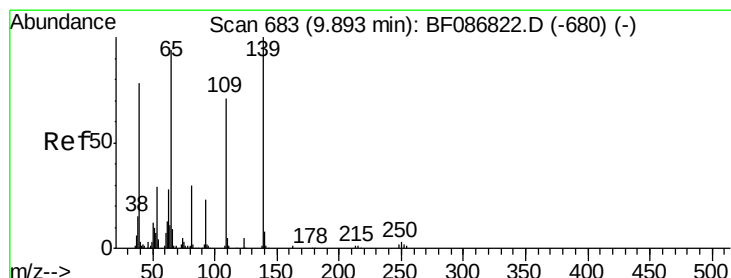
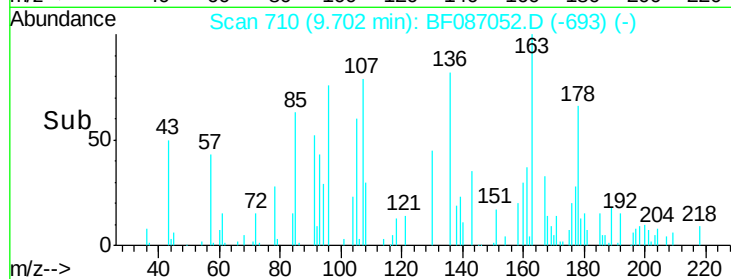
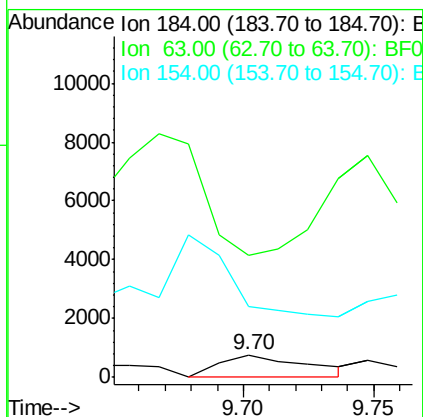
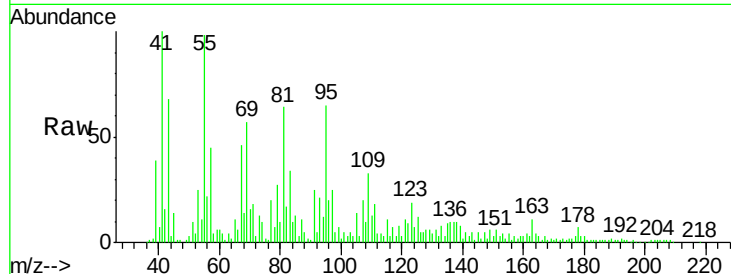




#53
 2,4-Dinitrophenol
 Concen: 8.45 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.11 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

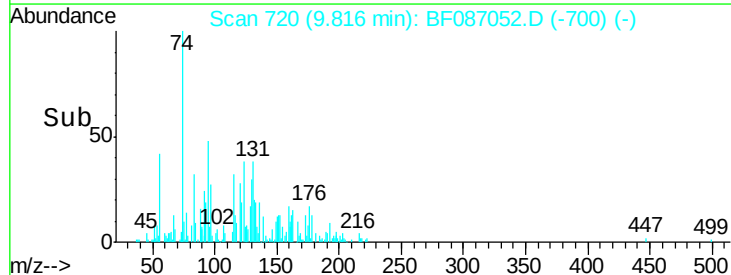
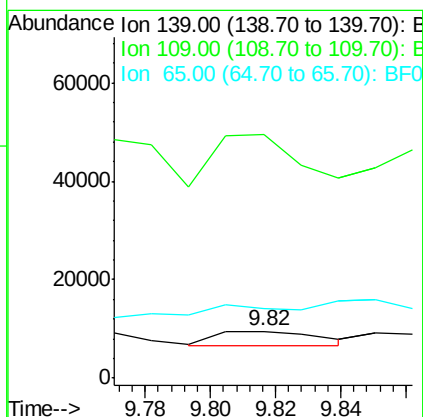
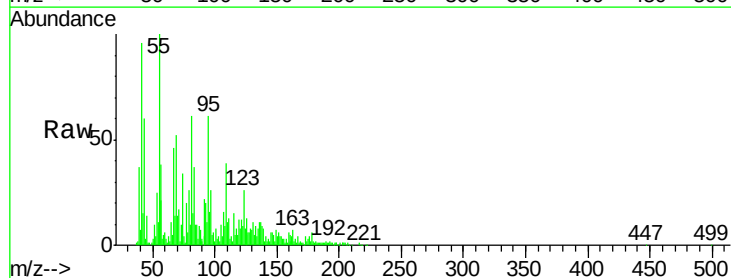
Instrument :
 BNA_F
 ClientSampleId :
 MW-02

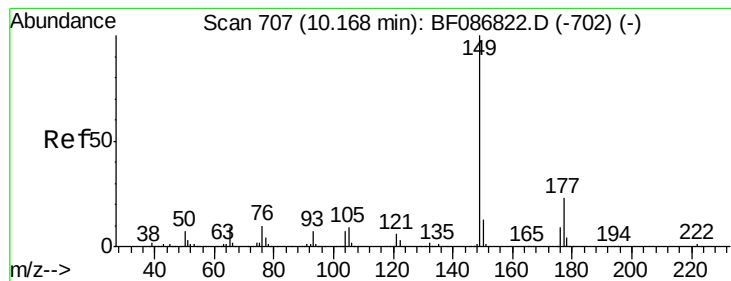
Tgt Ion:184 Resp: 1785
 Ion Ratio Lower Upper
 184 100
 63 549.1 55.8 83.8#
 154 319.0 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 6.65 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.08 min
 Lab File: BF087052.D
 Acq: 15 May 2016 6:48

Tgt Ion:139 Resp: 6480
 Ion Ratio Lower Upper
 139 100
 109 519.1 36.9 76.9#
 65 147.7 64.0 104.0#





#59

Diethylphthalate

Concen: 2.02 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

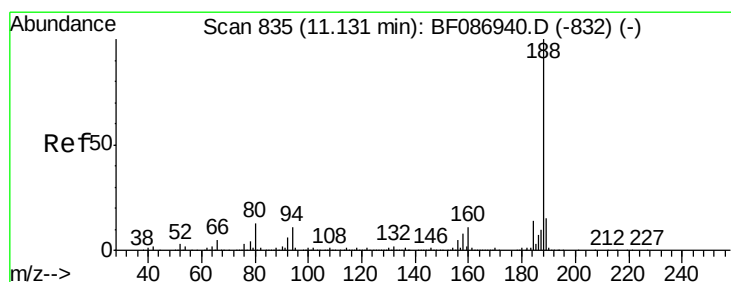
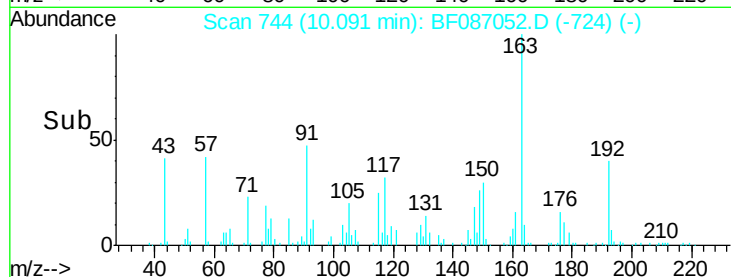
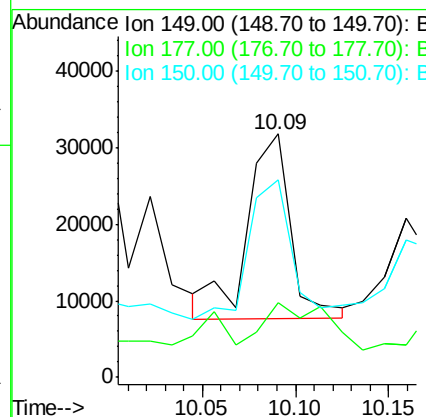
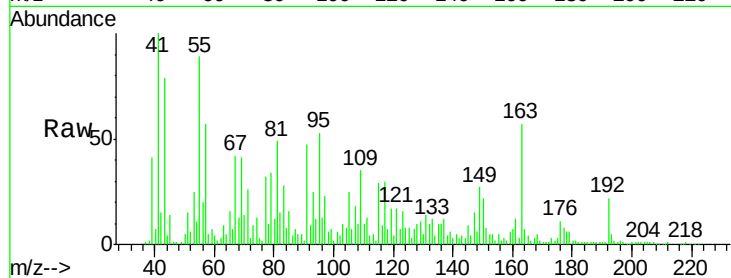
Tgt Ion:149 Resp: 38930

Ion Ratio Lower Upper

149 100

177 30.6 16.6 24.8#

150 81.2 10.0 15.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

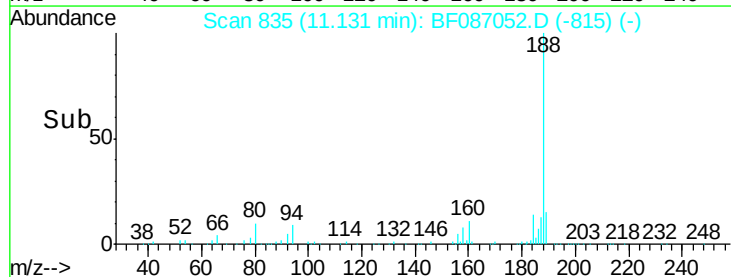
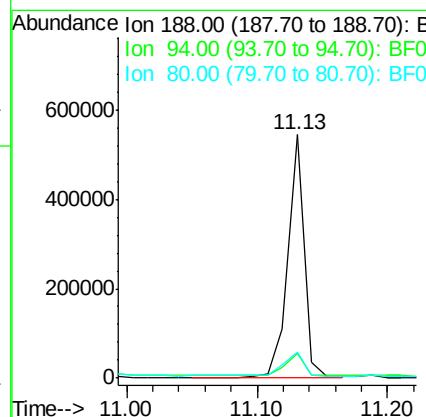
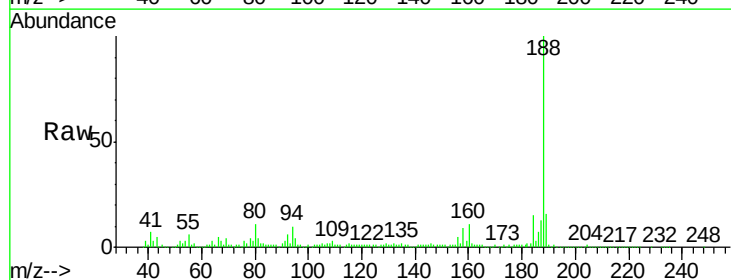
Tgt Ion:188 Resp: 481045

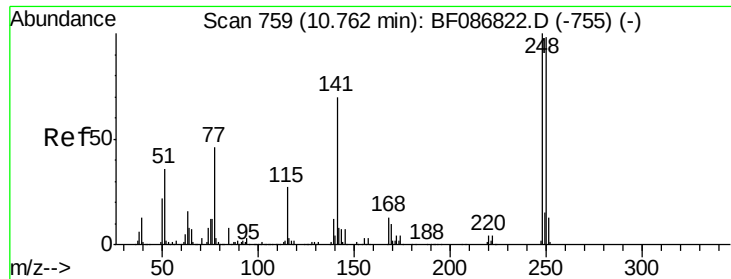
Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

80 10.8 7.1 10.7#

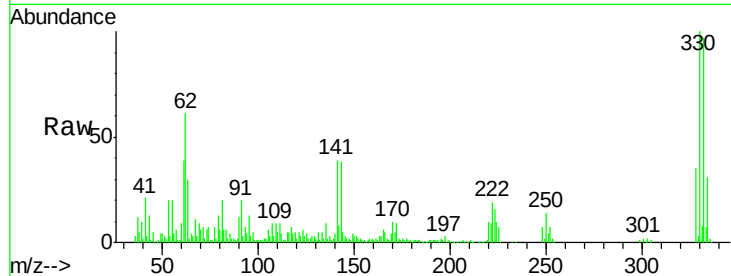




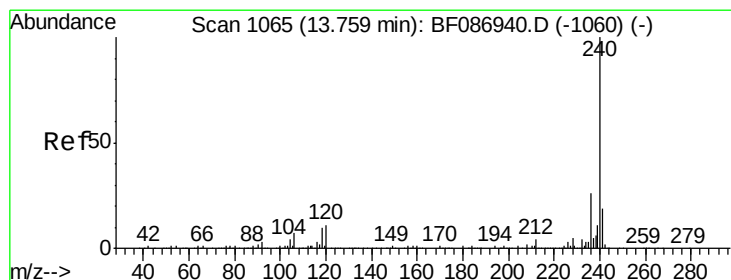
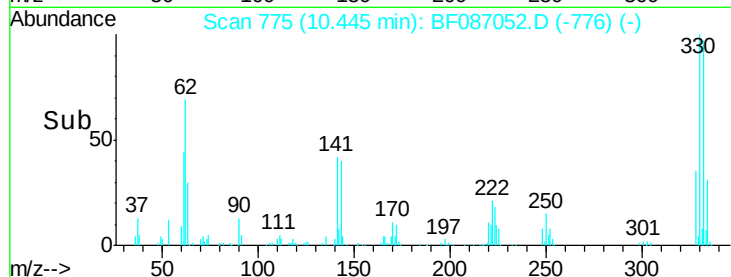
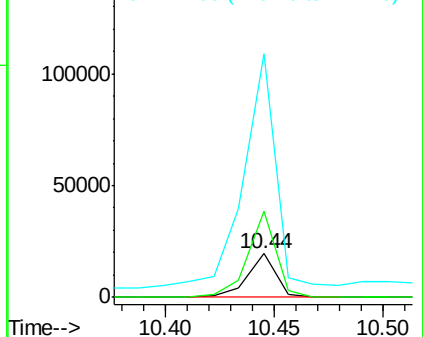
#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.32 min
Lab File: BF087052.D
Acq: 15 May 2016 6:48

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion:248 Resp: 17400
Ion Ratio Lower Upper
248 100
250 196.6 78.6 117.8#
141 559.3 76.0 114.0#

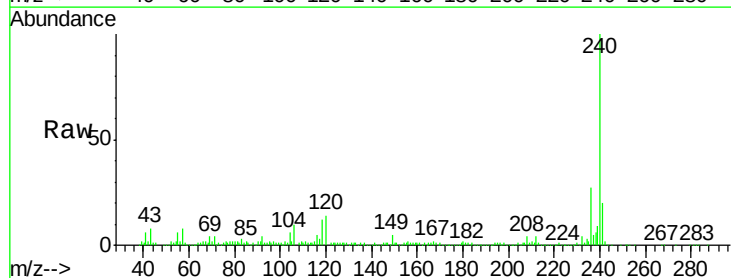


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

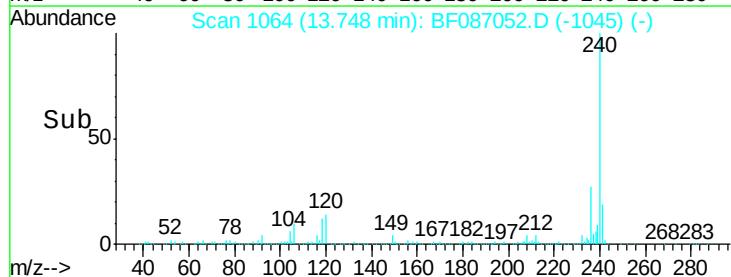
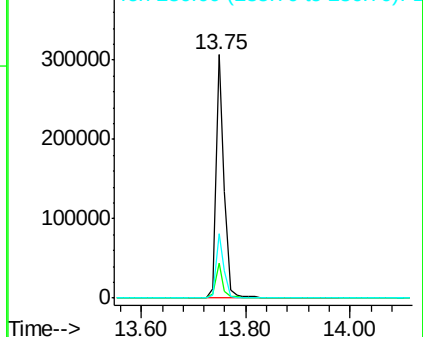


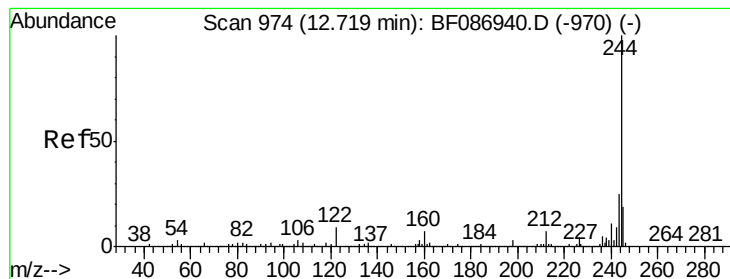
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.09 min
Lab File: BF087052.D
Acq: 15 May 2016 6:48

Tgt Ion:240 Resp: 330561
Ion Ratio Lower Upper
240 100
120 14.4 11.2 16.8
236 26.6 21.2 31.8



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





#78

Terphenyl-d14

Concen: 49.54 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

Instrument :

BNA_F

ClientSampleId :

MW-02

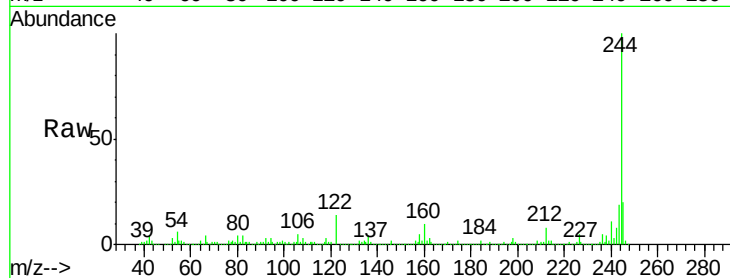
Tgt Ion:244 Resp: 771845

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

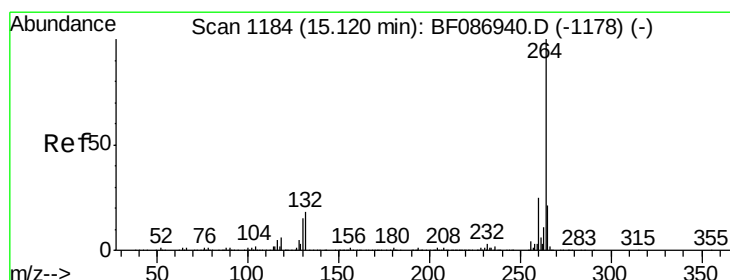
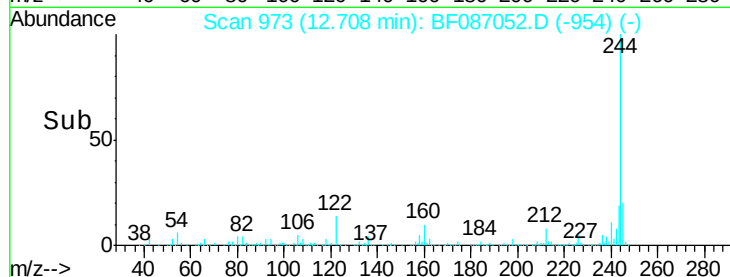
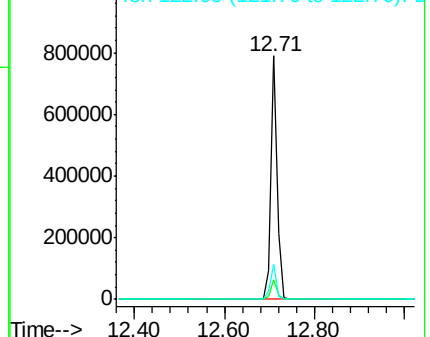
122 14.5 12.0 18.0



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: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087052.D

Acq: 15 May 2016 6:48

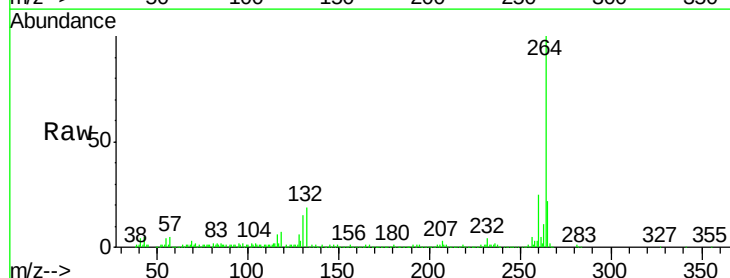
Tgt Ion:264 Resp: 315806

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 22.0 17.3 25.9



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

