

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082915\
 Data File : BF081289.D
 Acq On : 30 Aug 2015 00:31
 Operator : UM/IZ
 Sample : G3467-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 01:10:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	56173	20.00	ng	-0.06
21) Naphthalene-d8	7.77	136	235990	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	101973	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	209767	20.00	ng	-0.06
75) Chrysene-d12	13.59	240	129014	20.00	ng	-0.07
86) Perylene-d12	14.92	264	103461	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	187564	50.22	ng	-0.05
7) Phenol-d6	6.15	99	149859	30.75	ng	-0.05
23) Nitrobenzene-d5	7.05	82	320036	61.95	ng	-0.07
41) 2,4,6-Tribromophenol	10.30	330	83836	94.84	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	526013	67.59	ng	-0.05
78) Terphenyl-d14	12.57	244	464765	77.23	ng	-0.06

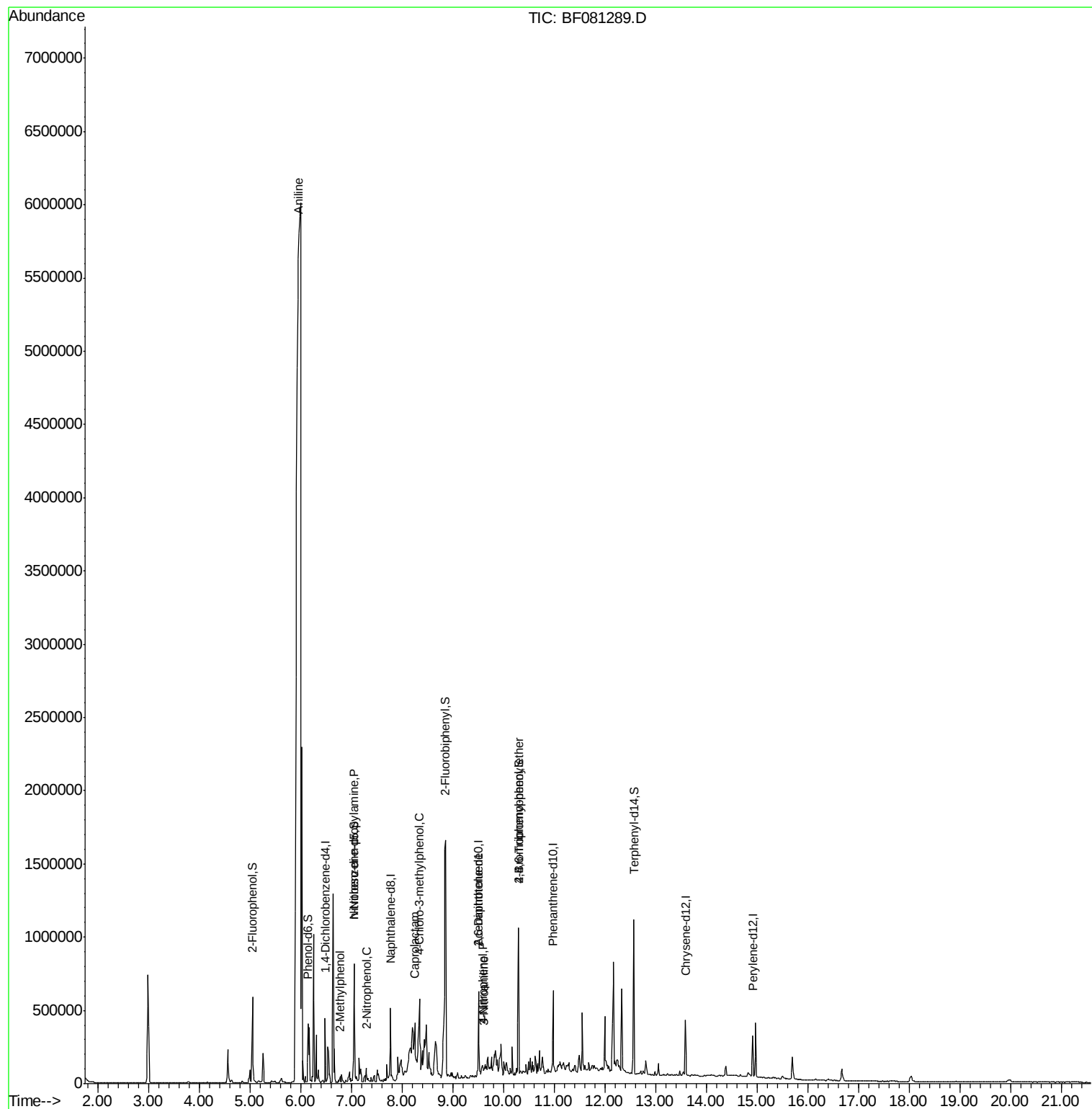
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	5.95	93	33567	4.74	ng	# 1
17) 2-Methylphenol	6.78	107	7387	2.11	ng	92
19) n-Nitroso-di-n-propylamine	7.05	70	42448	12.58	ng	# 70
26) 2-Nitrophenol	7.30	139	7202	3.21	ng	# 15
35) Caprolactam	8.25	113	13085	11.19	ng	# 1
36) 4-Chloro-3-methylphenol	8.34	107	113753	28.53	ng	93
50) 2,6-Dinitrotoluene	9.51	165	13559	7.52	ng	# 25
52) 3-Nitroaniline	9.61	138	46650	20.67	ng	# 1
55) 4-Nitrophenol	9.60	139	5305	3.35	ng	# 29
66) 4-Bromophenyl-phenylether	10.30	248	6907	3.35	ng	# 1

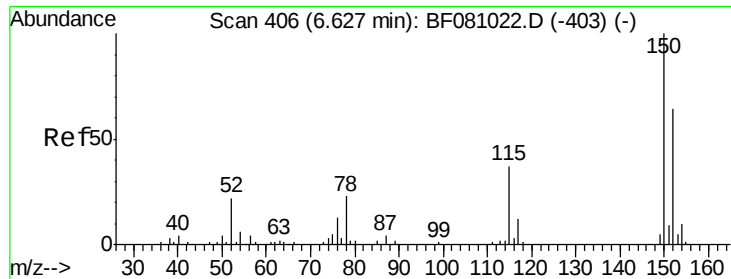
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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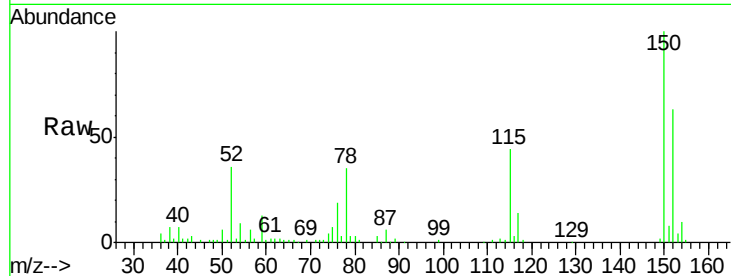


#1

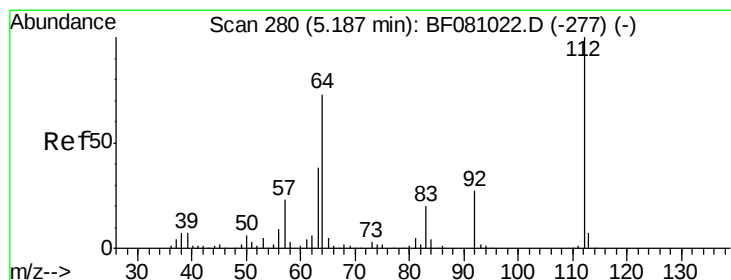
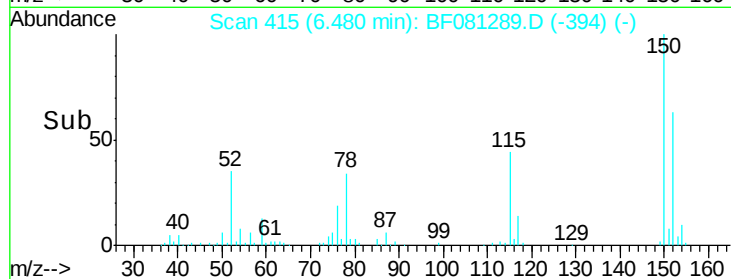
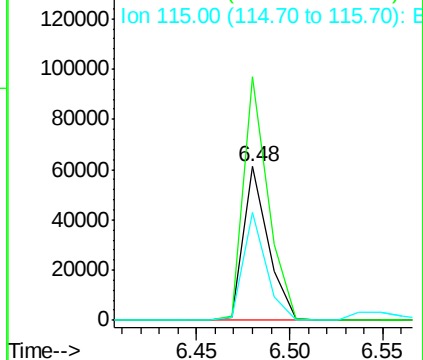
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 415
Delta R.T. -0.06 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56173
Ion Ratio Lower Upper
152 100
150 158.5 123.8 185.6
115 69.9 52.1 78.1



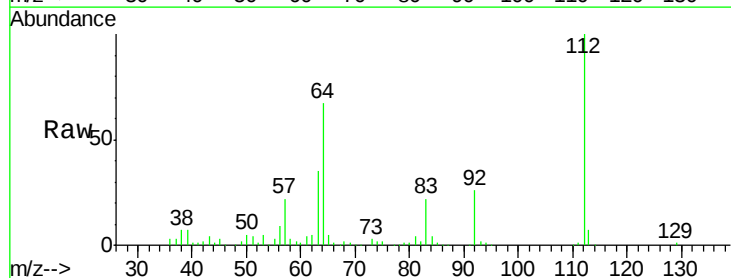
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



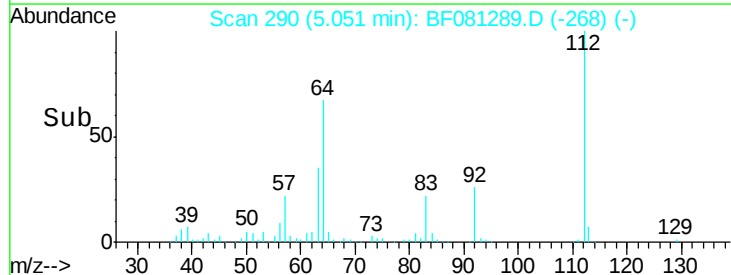
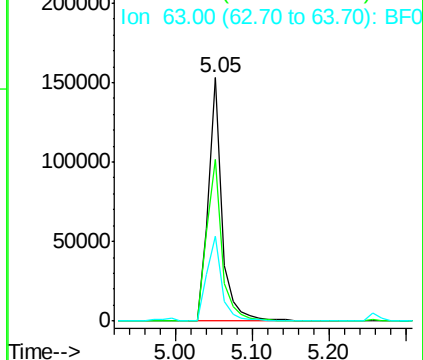
#5

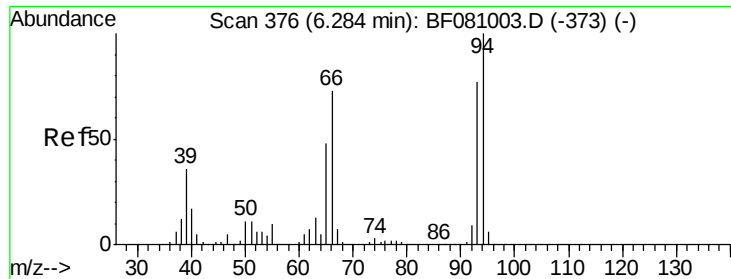
2-Fluorophenol
Concen: 50.22 ng
RT: 5.05 min Scan# 290
Delta R.T. -0.05 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Tgt Ion:112 Resp: 187564
Ion Ratio Lower Upper
112 100
64 66.5 66.9 100.3#
63 34.8 38.1 57.1#



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





#6

Aniline

Concen: 4.74 ng

RT: 5.95 min Scan# 369

Delta R.T. -0.25 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampleId :

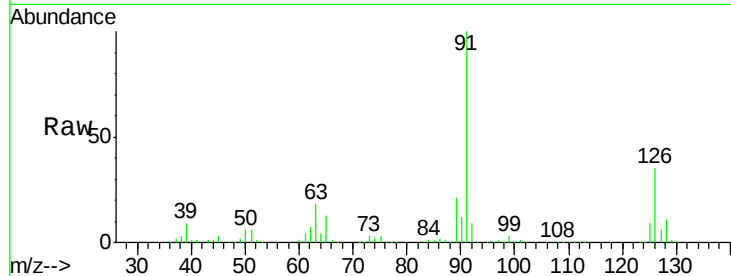
Tot Ion: 93 Resp: 33567

Ion Ratio Lower Upper

93 100

66 244.6 35.6 53.4#

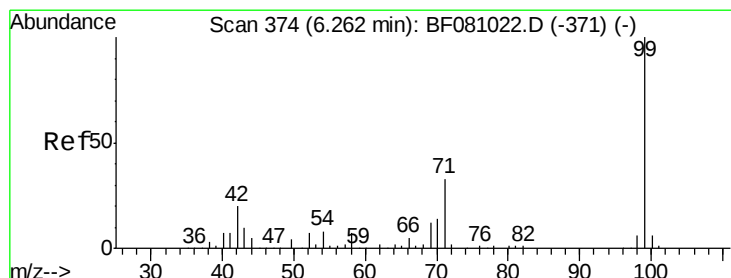
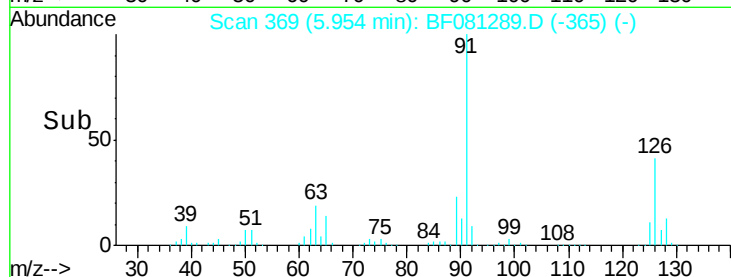
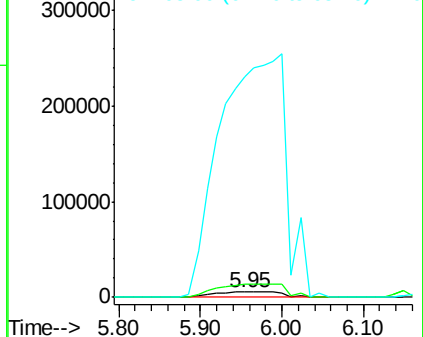
65 4082.6 18.7 28.1#



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: 30.75 ng

RT: 6.15 min Scan# 386

Delta R.T. -0.05 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

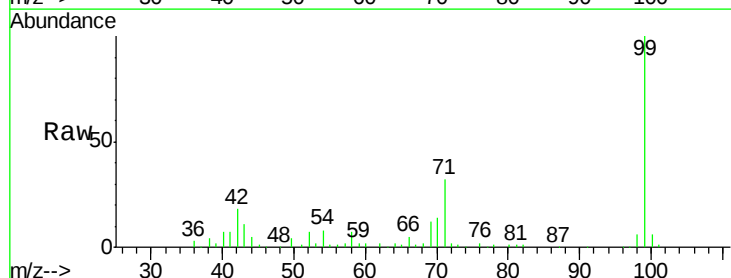
Tgt Ion: 99 Resp: 149859

Ion Ratio Lower Upper

99 100

42 18.5 19.6 29.4#

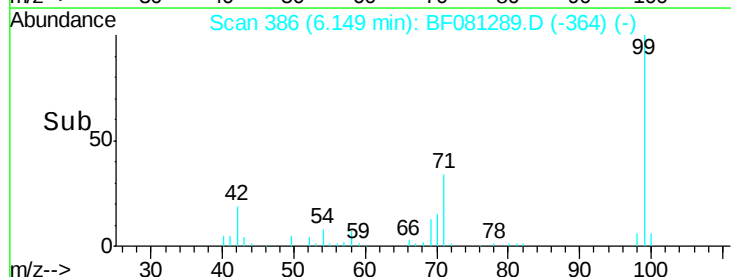
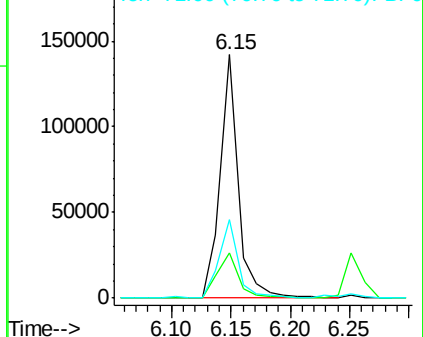
71 32.1 31.2 46.8

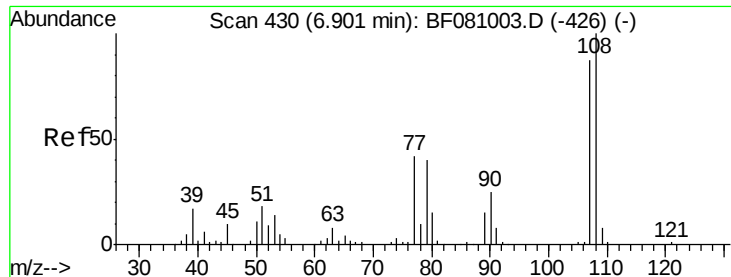


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#17

2-Methylphenol

Concen: 2.11 ng

RT: 6.78 min Scan# 441

Delta R.T. -0.05 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 7387

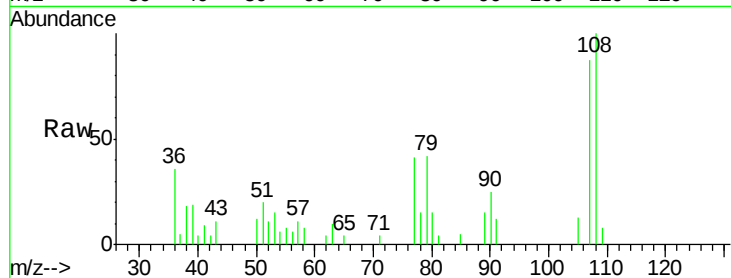
Ion Ratio Lower Upper

107 100

108 114.5 90.4 135.6

77 47.3 46.5 69.7

79 48.3 46.3 69.5

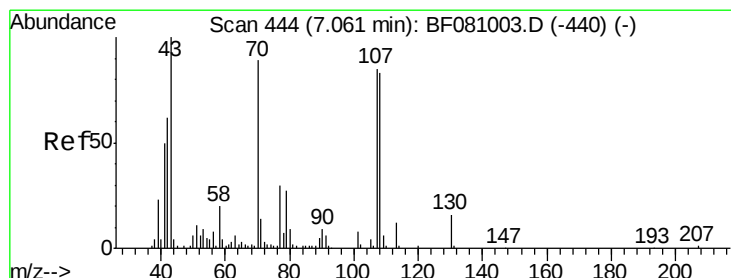
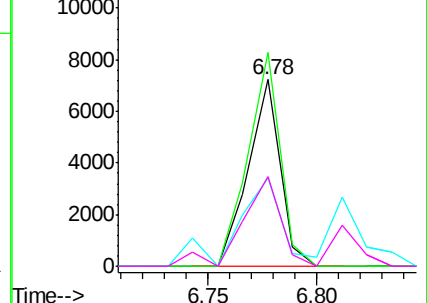
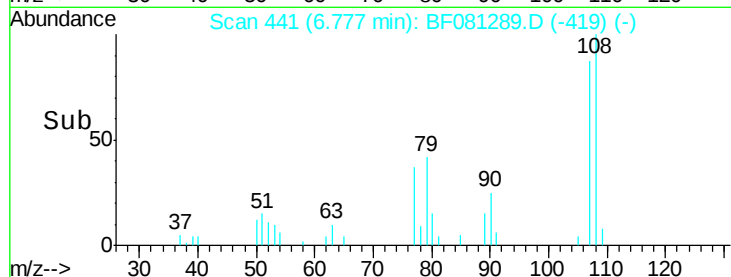


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.58 ng

RT: 7.05 min Scan# 465

Delta R.T. 0.07 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Tgt Ion: 70 Resp: 42448

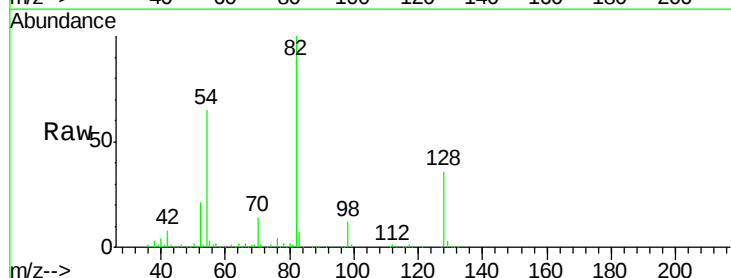
Ion Ratio Lower Upper

70 100

42 54.9 65.0 97.4#

101 0.0 7.4 11.2#

130 1.9 13.0 19.4#

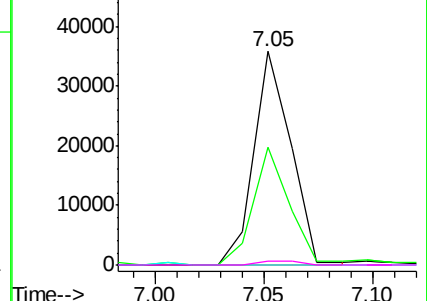
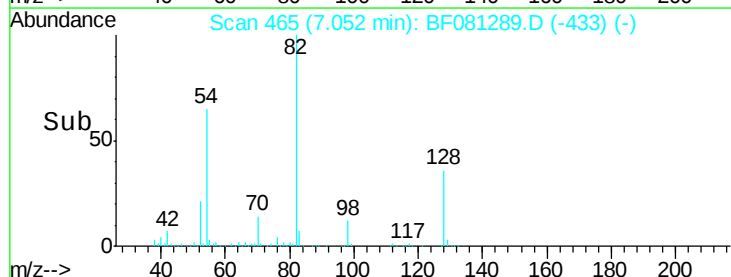


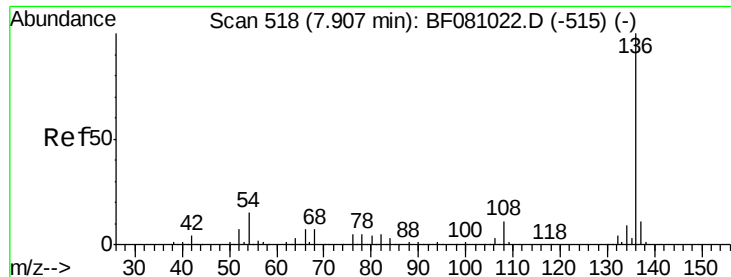
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 528

Delta R.T. -0.06 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 235990

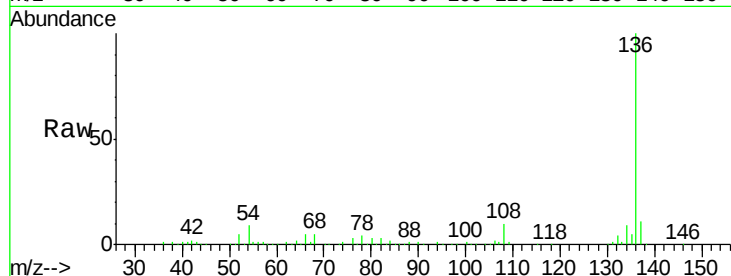
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 8.7 7.7 11.5

68 4.7 3.4 5.2

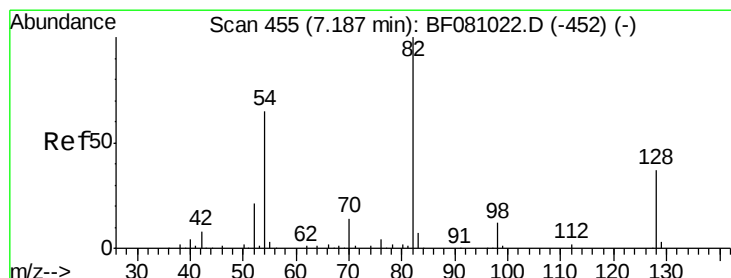
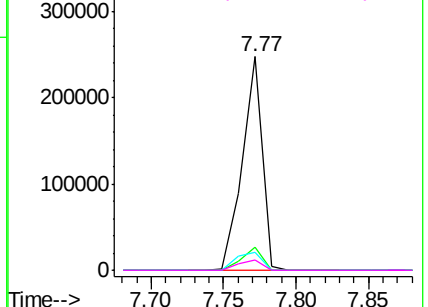
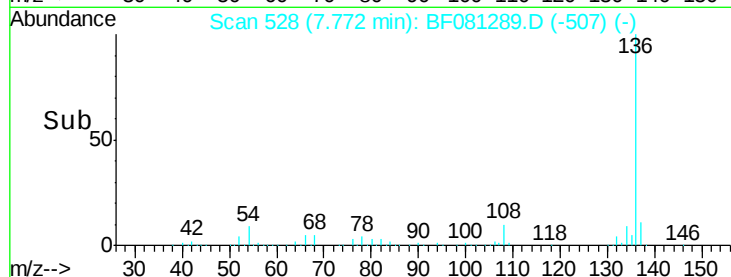


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 61.95 ng

RT: 7.05 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

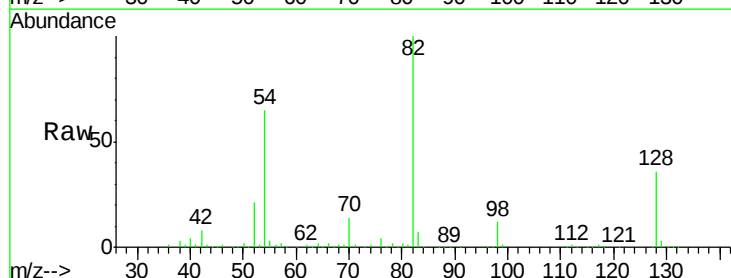
Tgt Ion: 82 Resp: 320036

Ion Ratio Lower Upper

82 100

128 36.2 28.6 42.8

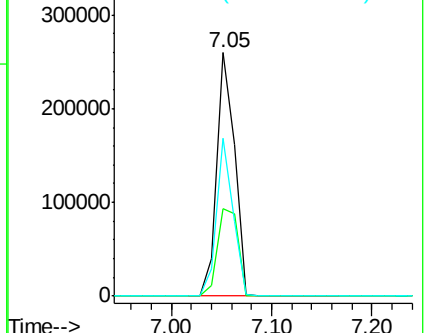
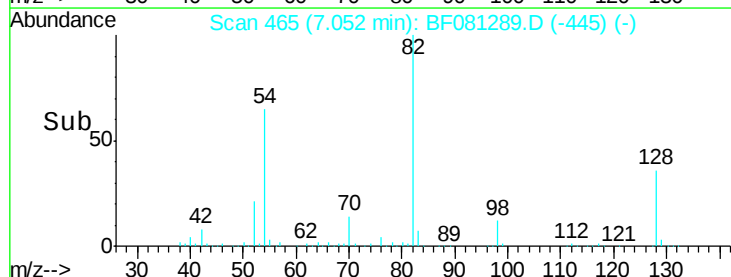
54 64.9 55.1 82.7

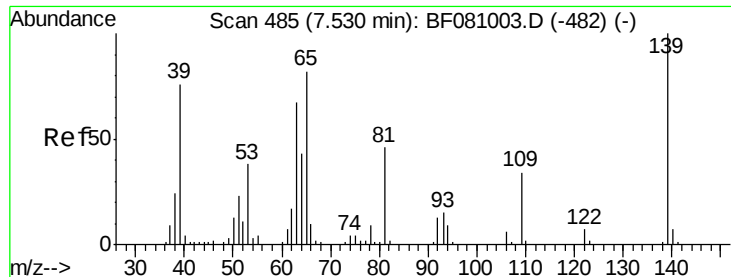


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

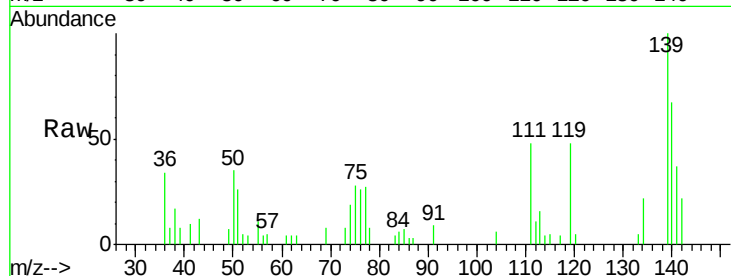




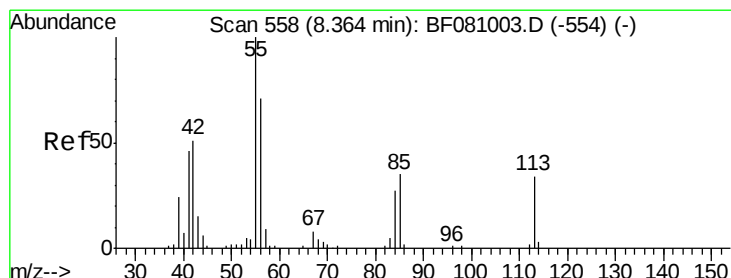
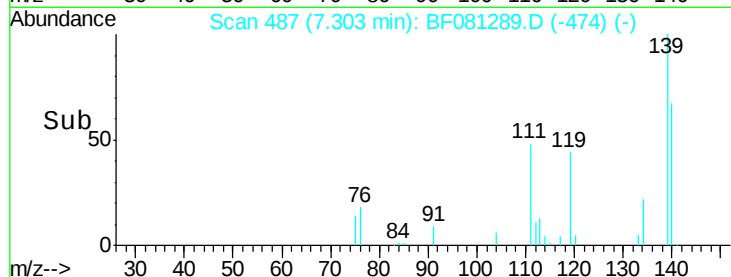
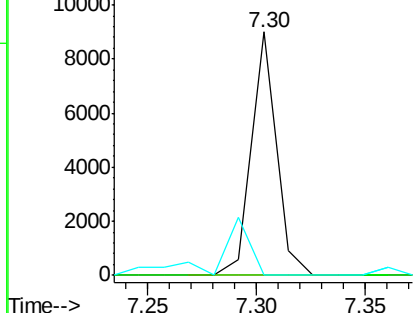
#26
2-Nitrophenol
Concen: 3.21 ng
RT: 7.30 min Scan# 487
Delta R.T. -0.15 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 7202
Ion Ratio Lower Upper
139 100
109 0.0 32.1 48.1#
65 0.0 69.9 104.9#

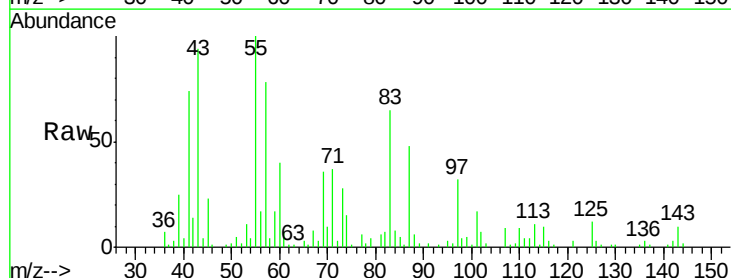


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

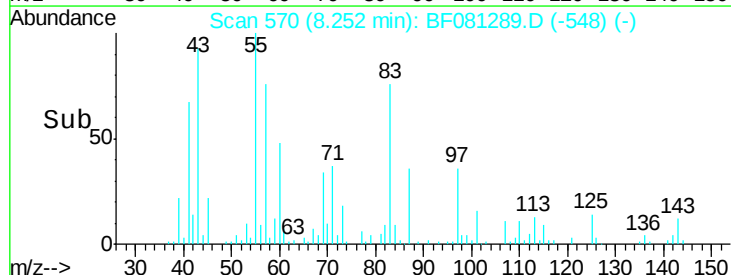
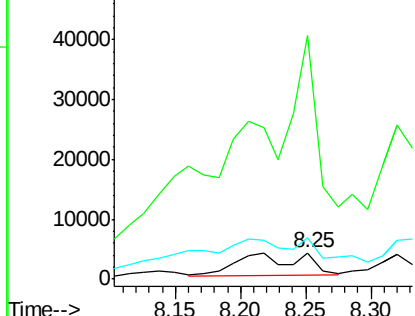


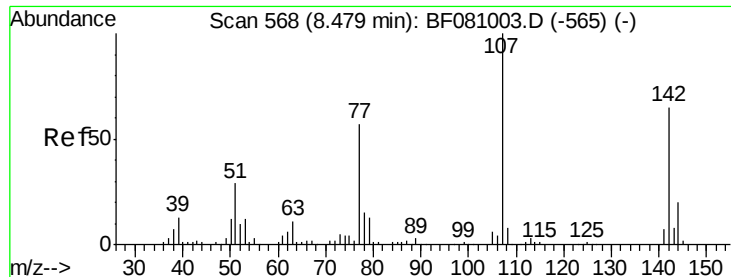
#35
Caprolactam
Concen: 11.19 ng
RT: 8.25 min Scan# 570
Delta R.T. -0.05 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Tgt Ion:113 Resp: 13085
Ion Ratio Lower Upper
113 100
55 915.8 280.4 320.4#
56 154.6 205.9 245.9#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

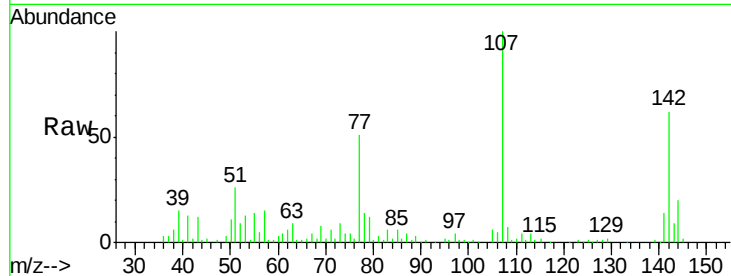




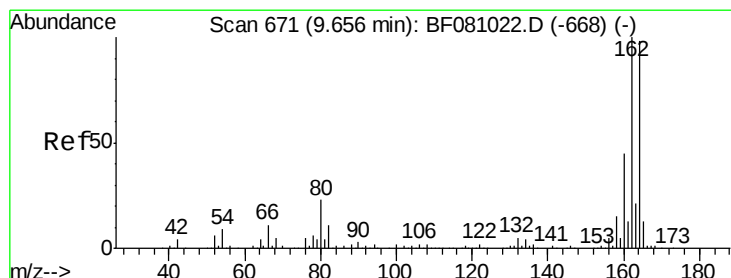
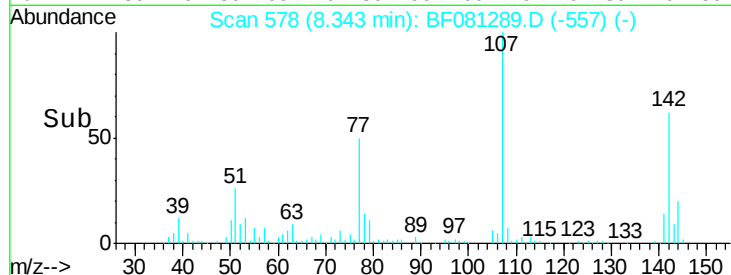
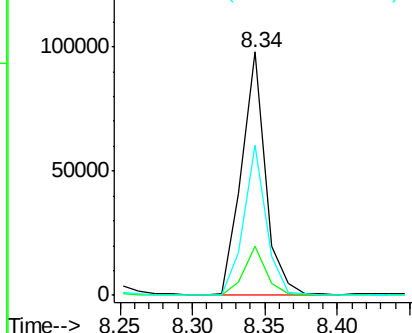
#36
4-Chloro-3-methylphenol
Concen: 28.53 ng
RT: 8.34 min Scan# 578
Delta R.T. -0.06 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 113753
Ion Ratio Lower Upper
107 100
144 20.0 17.2 25.8
142 61.9 54.9 82.3

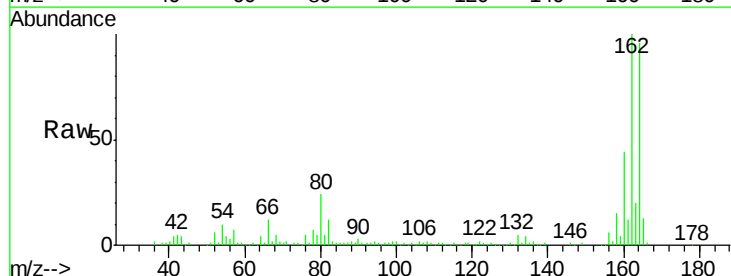


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

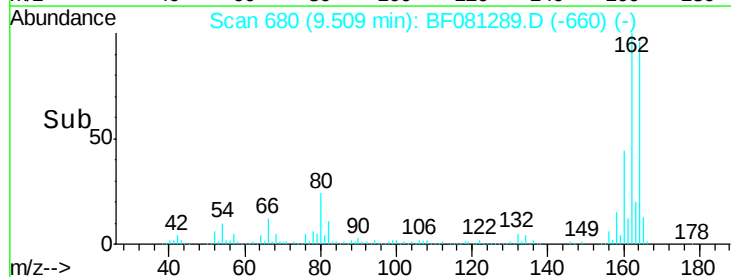
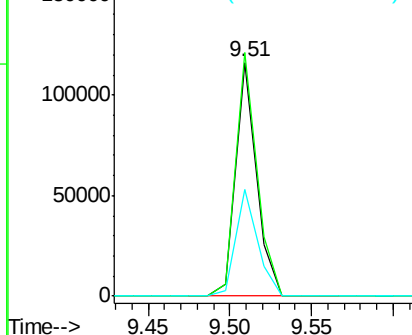


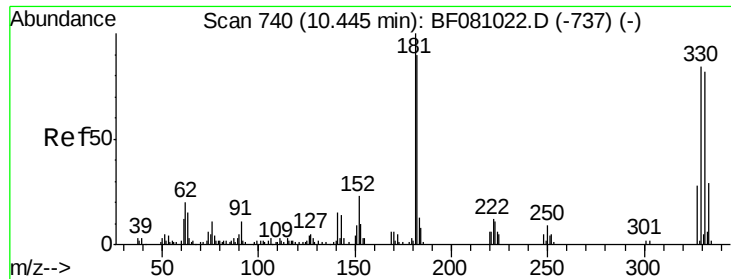
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 680
Delta R.T. -0.07 min
Lab File: BF081289.D
Acq: 30 Aug 2015 00:31

Tgt Ion:164 Resp: 101973
Ion Ratio Lower Upper
164 100
162 104.1 83.8 125.8
160 45.4 39.8 59.8



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: 94.84 ng

RT: 10.30 min Scan# 749

Delta R.T. -0.06 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampled :

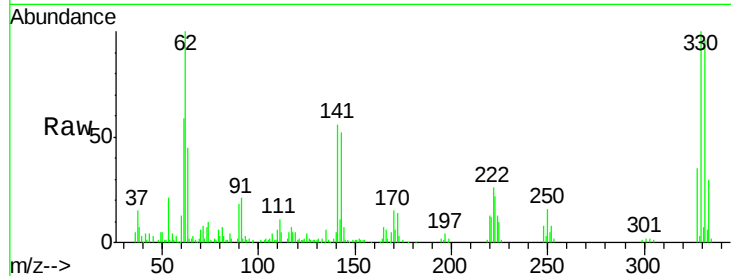
Tot Ion:330 Resp: 83836

Ion Ratio Lower Upper

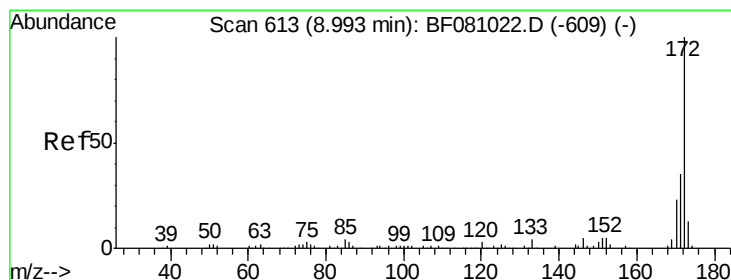
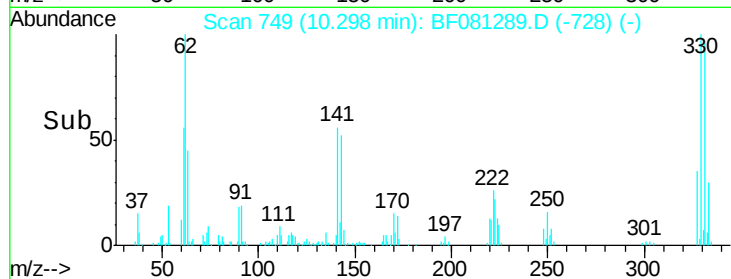
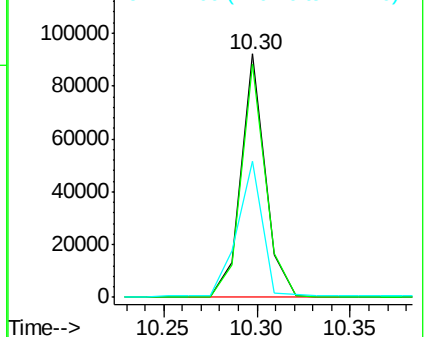
330 100

332 96.1 77.3 115.9

141 64.1 44.9 67.3



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: 67.59 ng

RT: 8.86 min Scan# 623

Delta R.T. -0.05 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

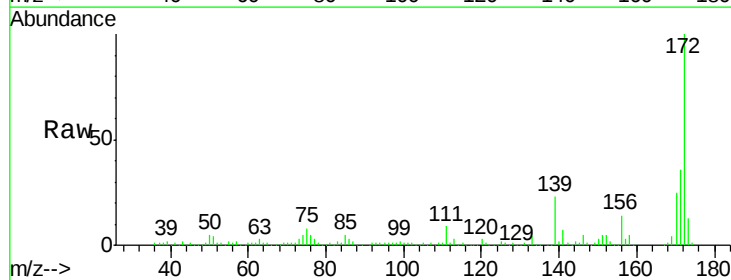
Tgt Ion:172 Resp: 526013

Ion Ratio Lower Upper

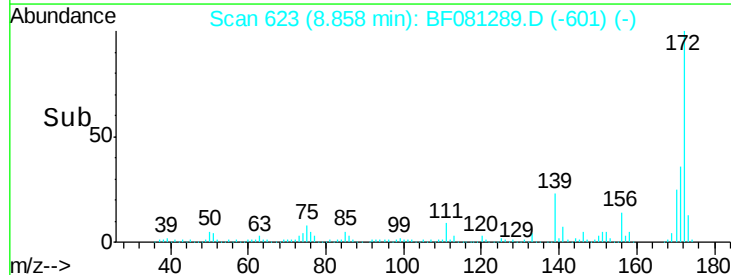
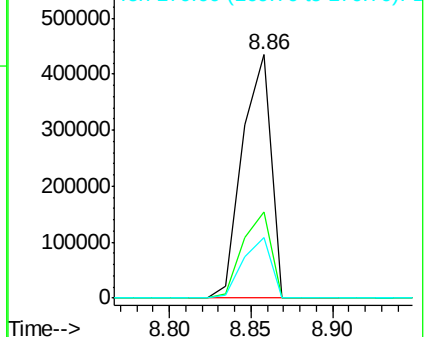
172 100

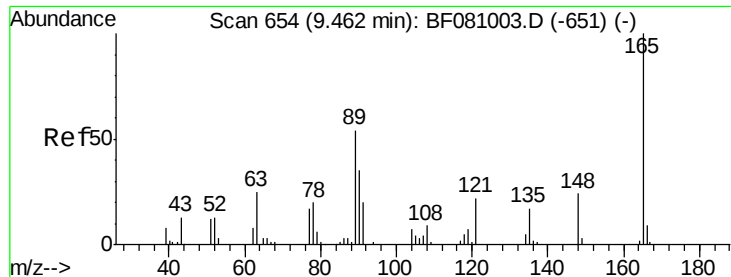
171 35.5 28.9 43.3

170 24.8 19.4 29.2



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

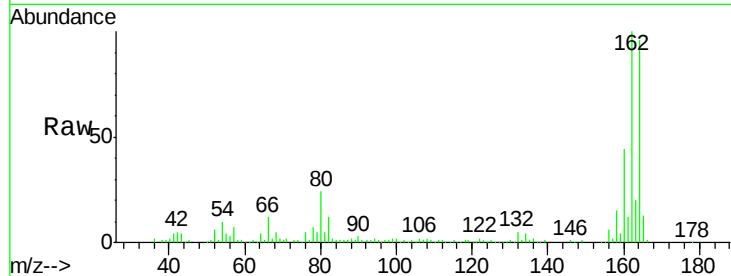




#50
 2,6-Dinitrotoluene
 Concen: 7.52 ng
 RT: 9.51 min Scan# 680
 Delta R.T. 0.14 min
 Lab File: BF081289.D
 Acq: 30 Aug 2015 00:31

Instrument :
 BNA_F
 ClientSampleId :

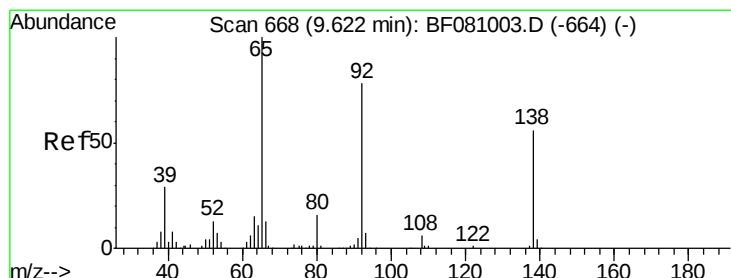
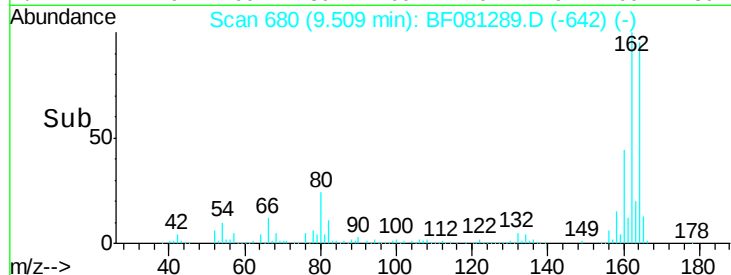
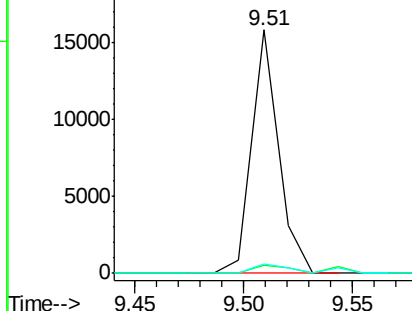
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.2	49.5	74.3#
89	3.9	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

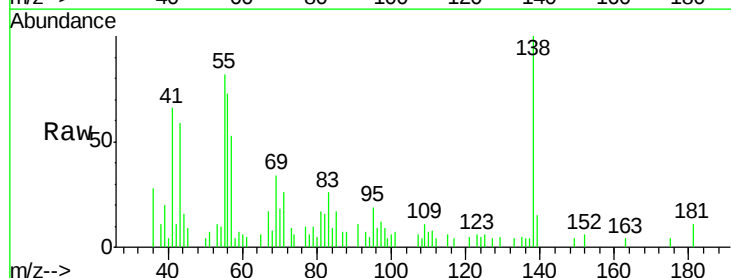
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#52
 3-Nitroaniline
 Concen: 20.67 ng
 RT: 9.61 min Scan# 689
 Delta R.T. 0.07 min
 Lab File: BF081289.D
 Acq: 30 Aug 2015 00:31

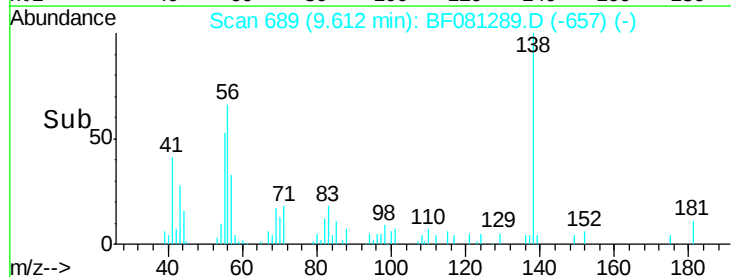
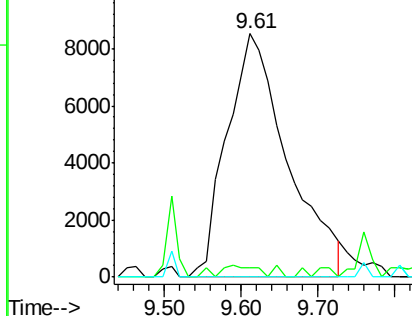
Tgt Ion	Ratio	Lower	Upper
138	100		
108	3.7	9.4	14.2#
92	0.0	113.2	169.8#

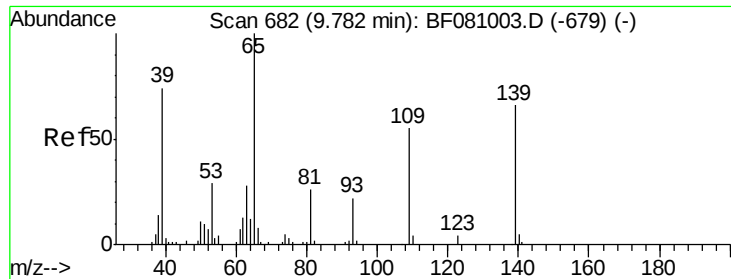


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#55

4-Nitrophenol

Concen: 3.35 ng

RT: 9.60 min Scan# 688

Delta R.T. -0.12 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampled :

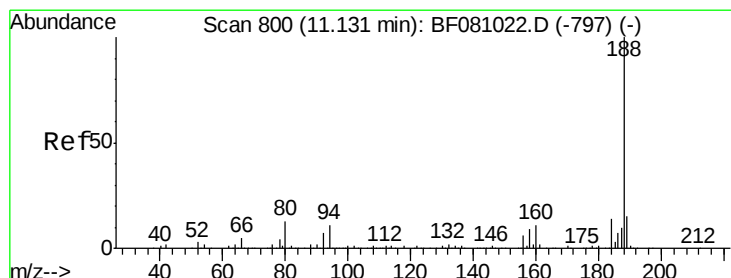
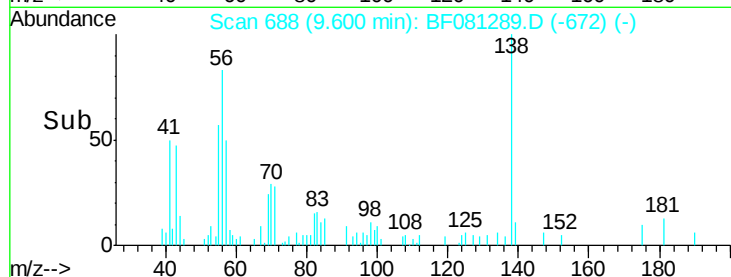
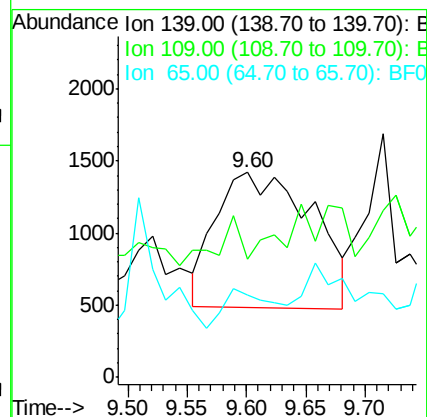
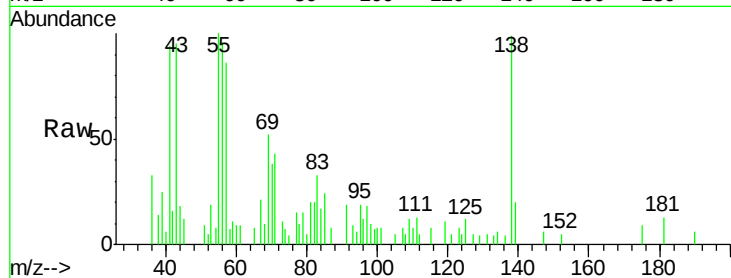
Tot Ion:139 Resp: 5305

Ion Ratio Lower Upper

139 100

109 57.9 80.0 120.0#

65 40.3 138.3 178.3#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

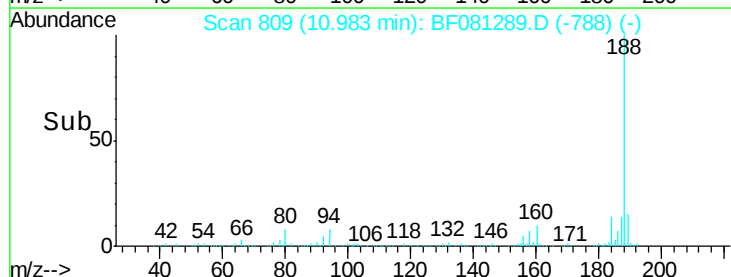
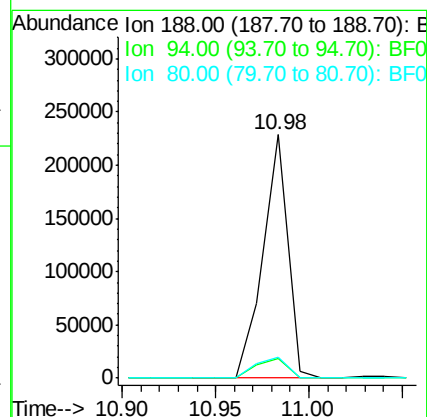
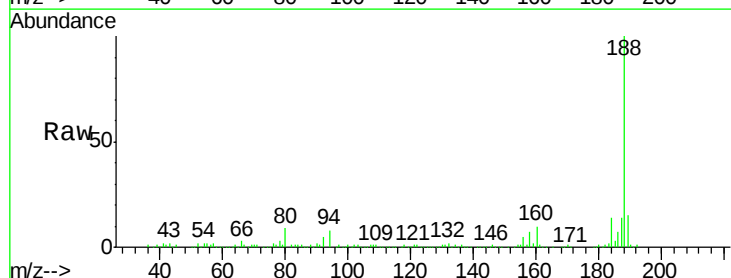
Tgt Ion:188 Resp: 209767

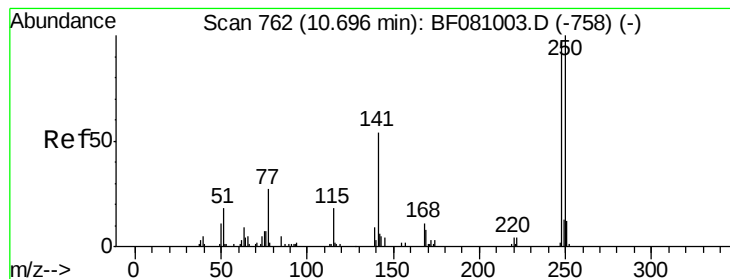
Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

80 8.5 9.5 14.3#





#66

4-Bromophenyl-phenylether

Concen: 3.35 ng

RT: 10.30 min Scan# 749

Delta R.T. -0.30 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

Instrument :

BNA_F

ClientSampleId :

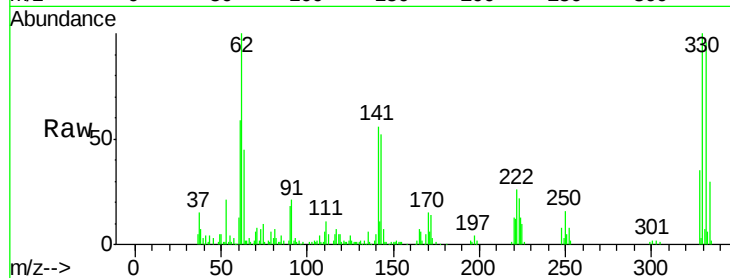
Tot Ion:248 Resp: 6907

Ion Ratio Lower Upper

248 100

250 190.6 77.8 116.6#

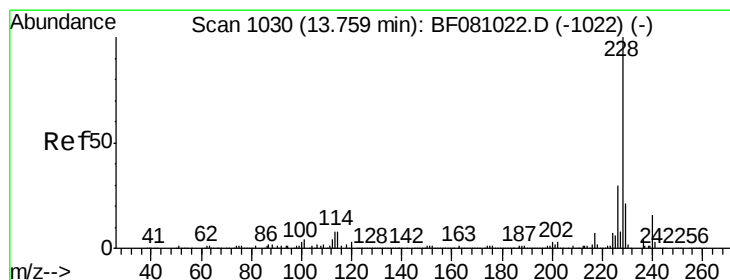
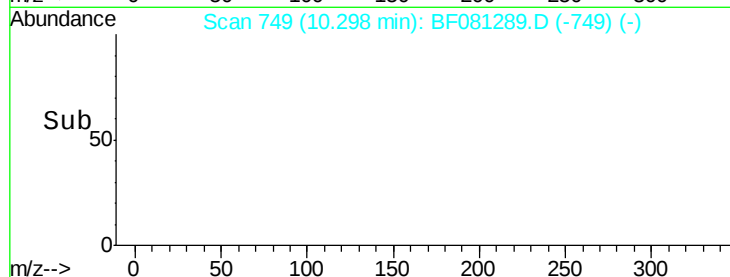
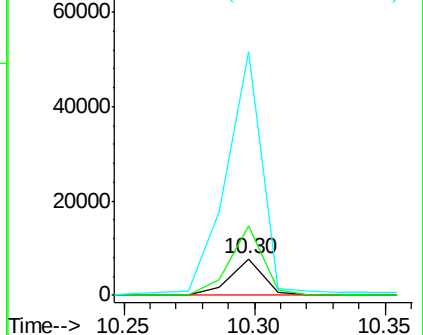
141 661.6 39.8 59.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1037

Delta R.T. -0.07 min

Lab File: BF081289.D

Acq: 30 Aug 2015 00:31

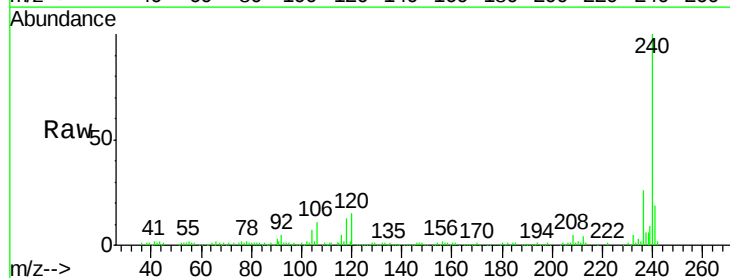
Tgt Ion:240 Resp: 129014

Ion Ratio Lower Upper

240 100

120 14.6 5.6 8.4#

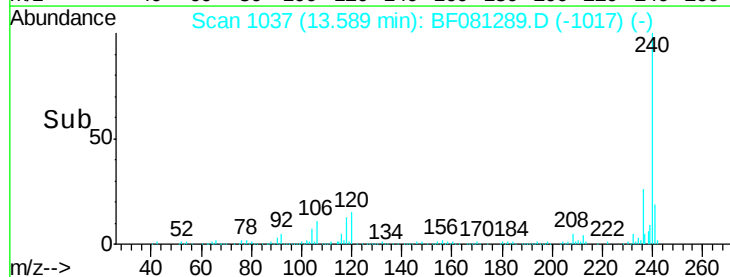
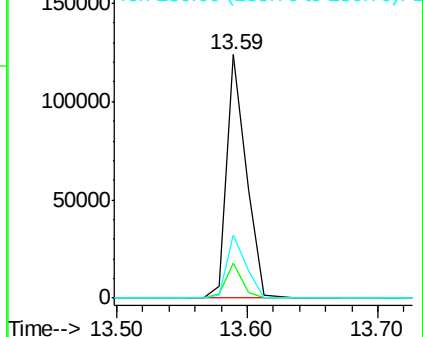
236 26.0 20.6 30.8

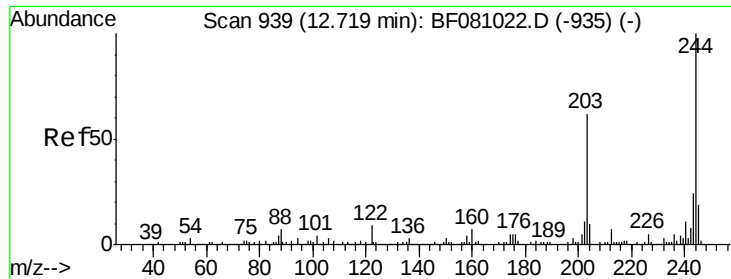


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

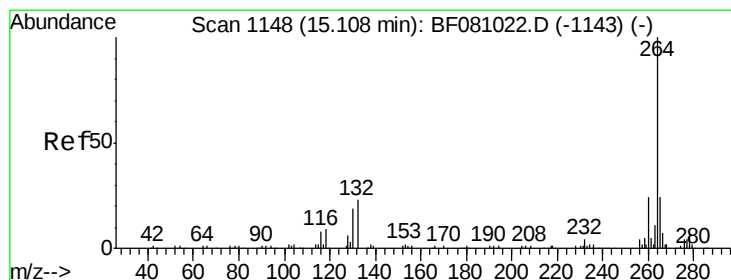
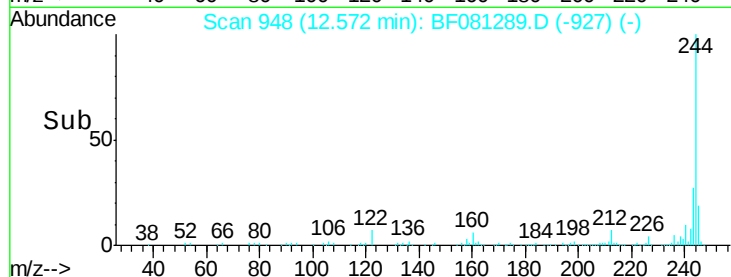
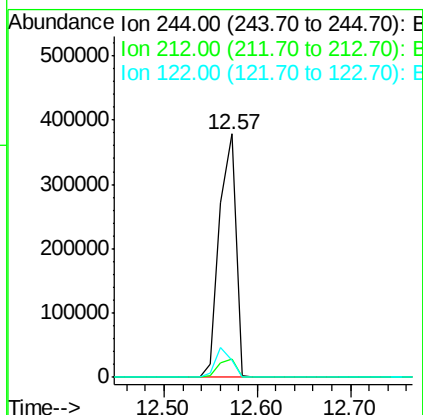
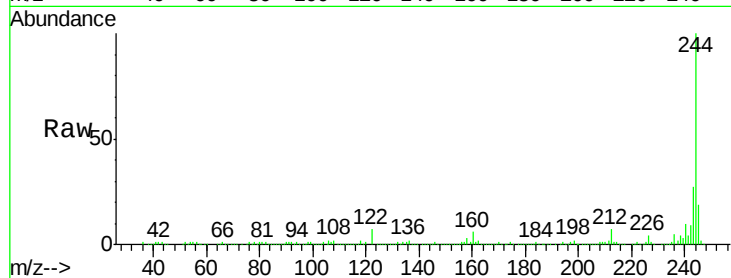




#78
 Terphenyl-d14
 Concen: 77.23 ng
 RT: 12.57 min Scan# 948
 Delta R.T. -0.06 min
 Lab File: BF081289.D
 Acq: 30 Aug 2015 00:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 464765
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 7.2 8.2 12.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.92 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF081289.D
 Acq: 30 Aug 2015 00:31

Tgt Ion:264 Resp: 103461
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.6 29.4
 265 20.9 17.5 26.3

