

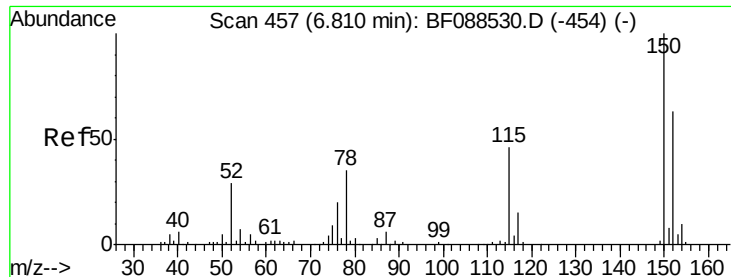
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
 Data File : BF088736.D
 Acq On : 6 Jul 2016 14:06
 Operator : UM/SJ
 Sample : H3824-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-56-062716

Quant Time: Jul 06 16:20:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	83041	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	350661	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	182446	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	357478	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	275260	20.00	ng	-0.02
86) Perylene-d12	15.28	264	195199	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	612297	110.51	ng	-0.01
7) Phenol-d6	6.40	99	794922	111.03	ng	-0.01
23) Nitrobenzene-d5	7.32	82	665227	99.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	272586	160.89	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	980265	84.87	ng	-0.02
78) Terphenyl-d14	12.86	244	977549	79.10	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	93034	19.35	ng	# 70
27) 2,4-Dimethylphenol	7.82	122	98636	17.12	ng	# 8
32) Benzoic acid	7.82	122	99451	23.77	ng	# 93
50) 2,6-Dinitrotoluene	9.79	165	22986	7.98	ng	# 39
56) 2,4-Dinitrotoluene	9.79	165	22986	6.10	ng	# 37
66) 4-Bromophenyl-phenylether	10.58	248	19787	5.49	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

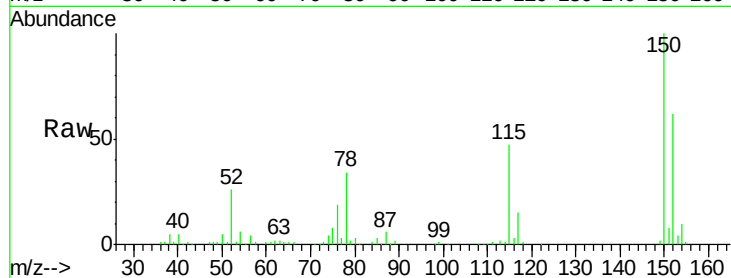
Tot Ion:152 Resp: 83041

Ion Ratio Lower Upper

152 100

150 162.0 123.8 185.6

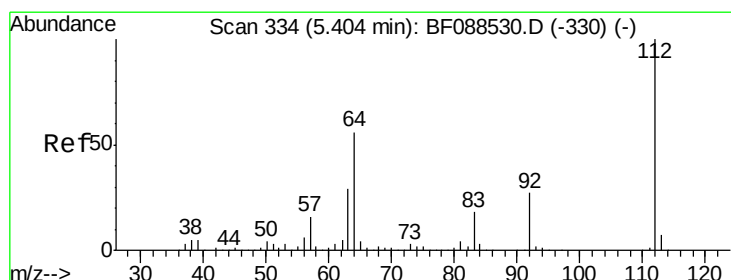
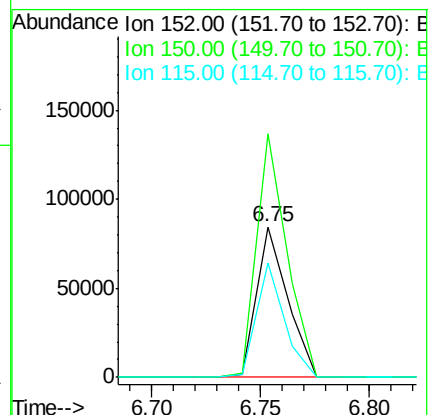
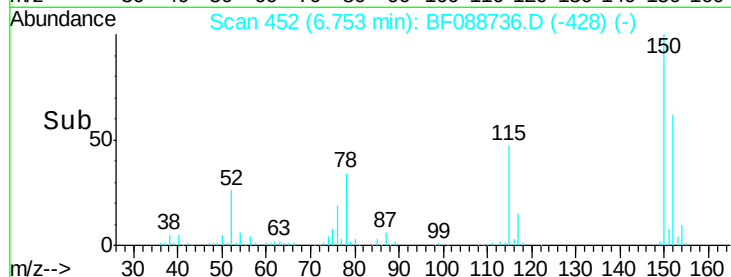
115 76.4 39.6 59.4#



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: 110.51 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.01 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

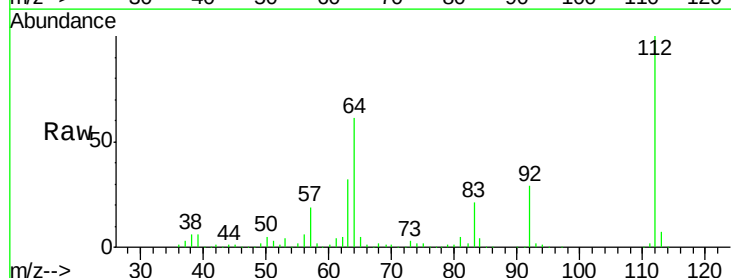
Tgt Ion:112 Resp: 612297

Ion Ratio Lower Upper

112 100

64 60.8 42.2 63.2

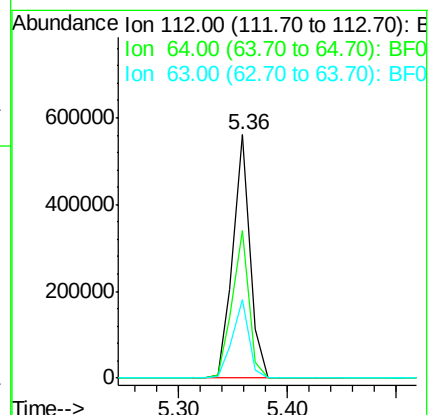
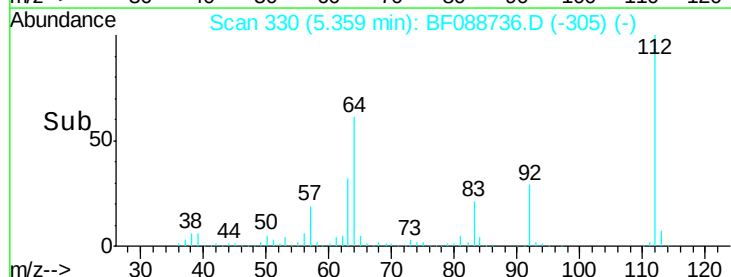
63 32.3 21.8 32.8

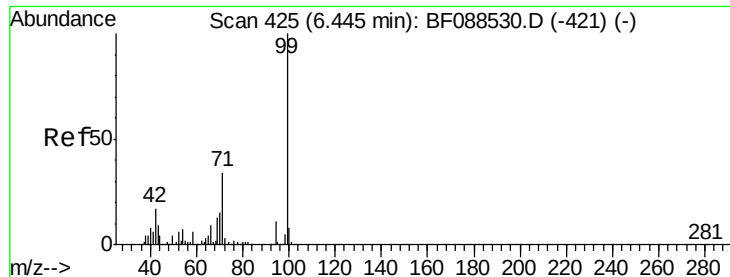


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.03 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

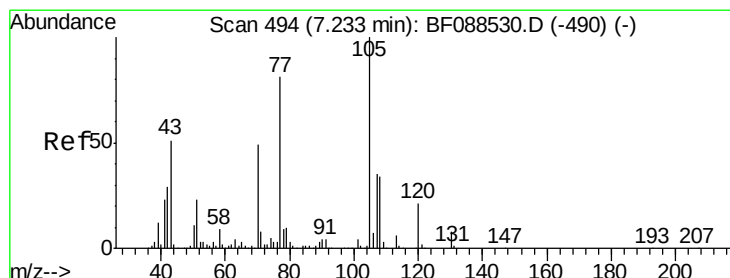
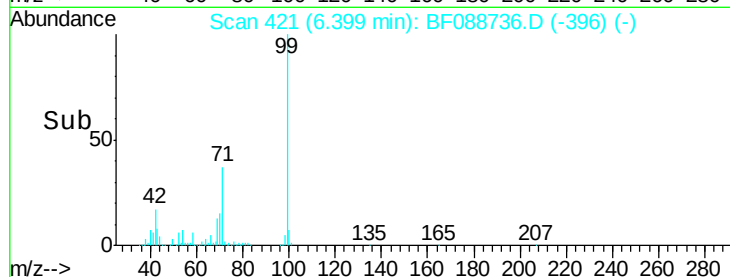
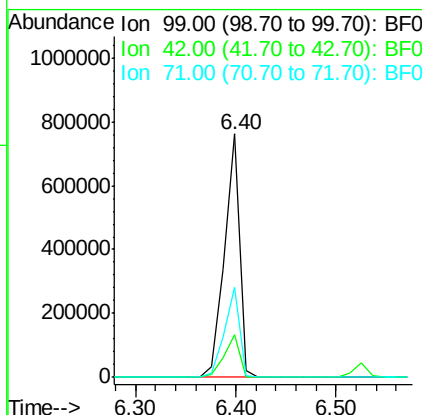
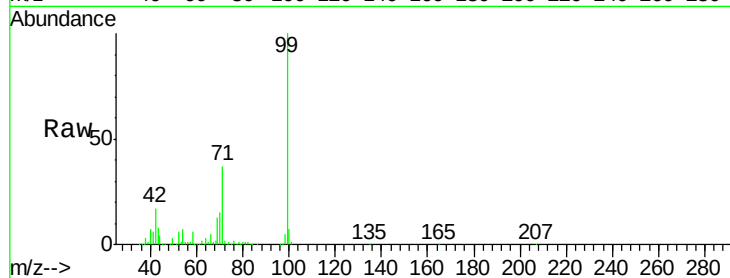
Tot Ion: 99 Resp: 794922

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 37.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.35 ng

RT: 7.32 min Scan# 502

Delta R.T. 0.13 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Tgt Ion: 70 Resp: 93034

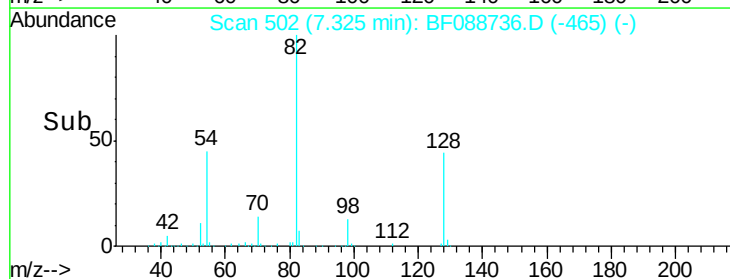
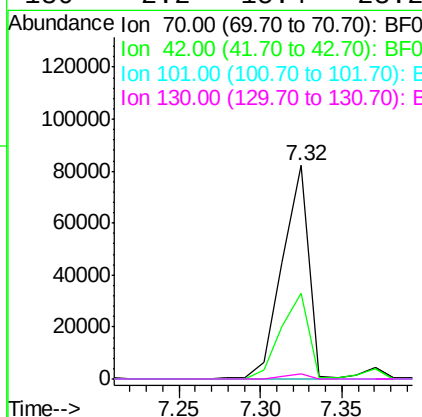
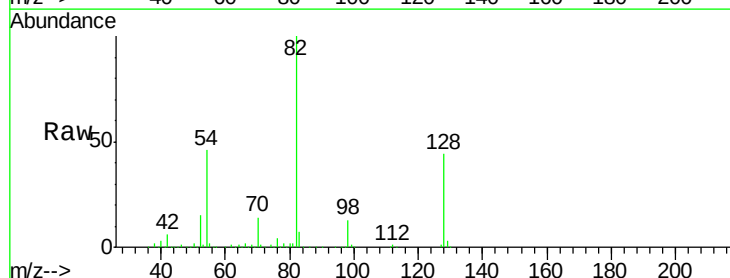
Ion Ratio Lower Upper

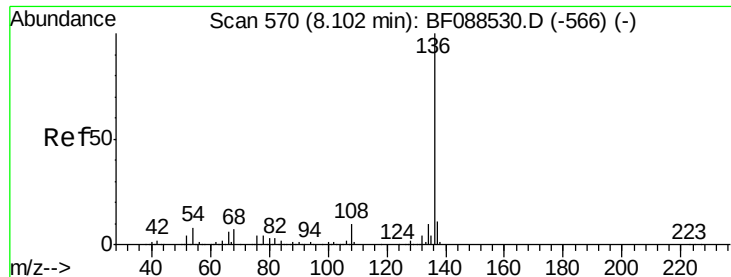
70 100

42 40.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 565

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

Tot Ion:136 Resp: 350661

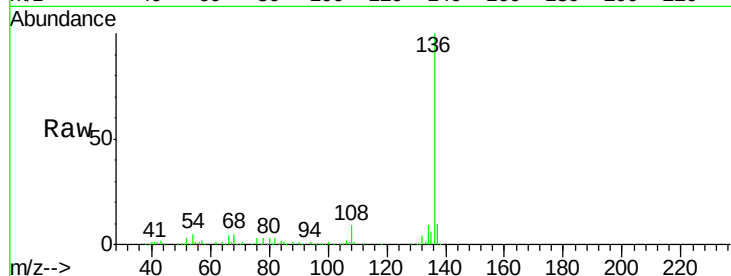
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.1 6.6 10.0#

68 4.7 5.1 7.7#

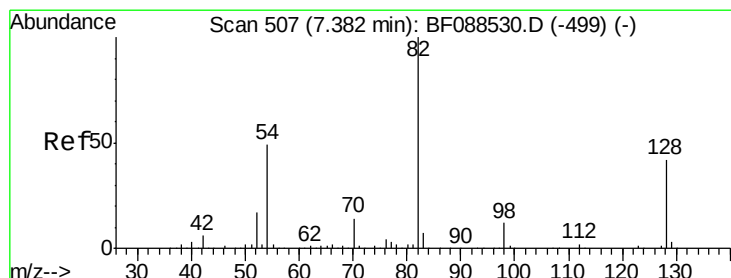
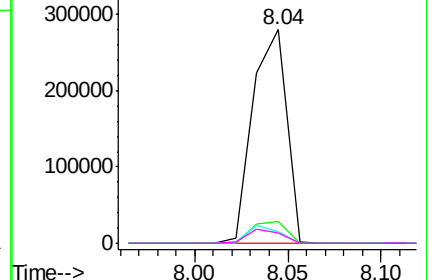
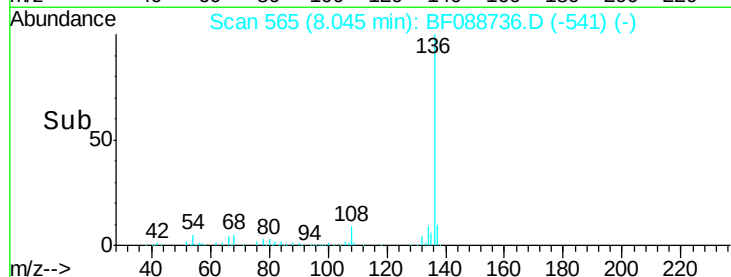


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.41 ng

RT: 7.32 min Scan# 502

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

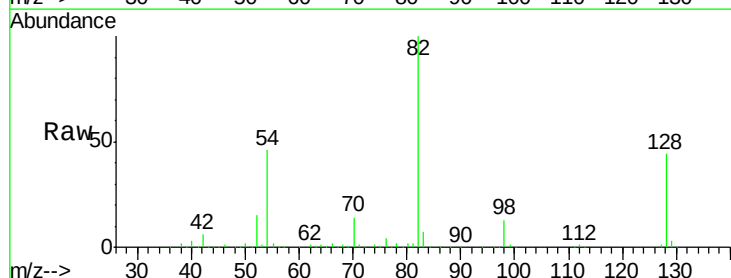
Tgt Ion: 82 Resp: 665227

Ion Ratio Lower Upper

82 100

128 44.4 35.9 53.9

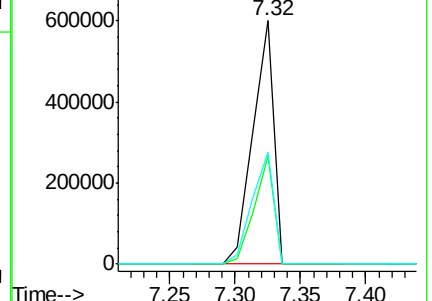
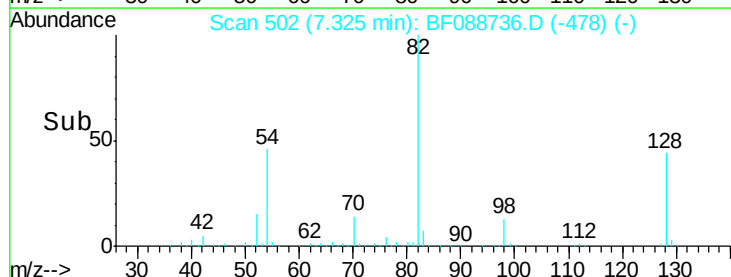
54 45.7 40.9 61.3

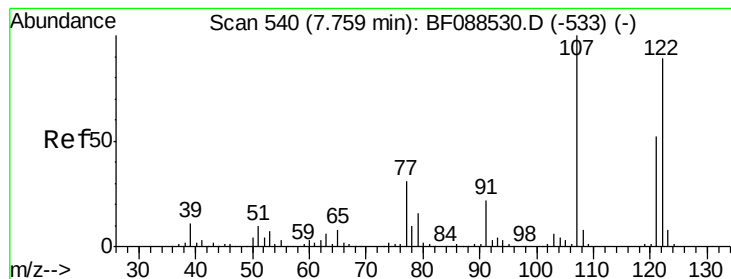


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 17.12 ng

RT: 7.82 min Scan# 545

Delta R.T. 0.09 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

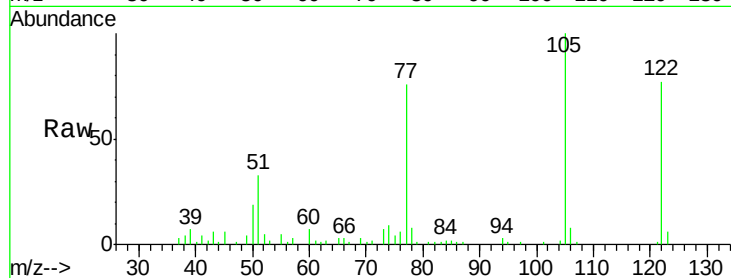
Tot Ion:122 Resp: 98636

Ion Ratio Lower Upper

122 100

107 1.1 82.4 123.6#

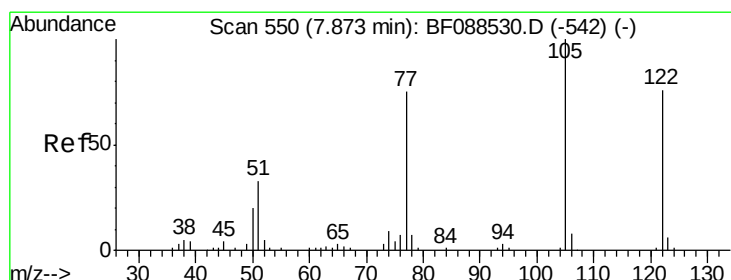
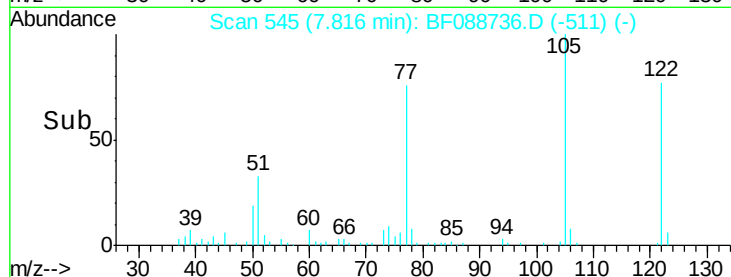
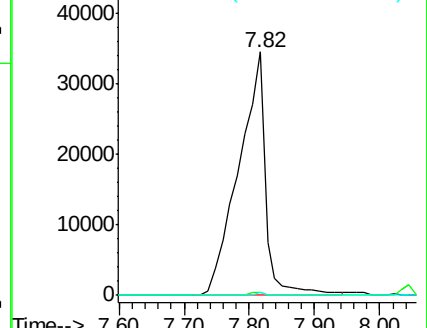
121 1.2 46.3 69.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 23.77 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.05 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

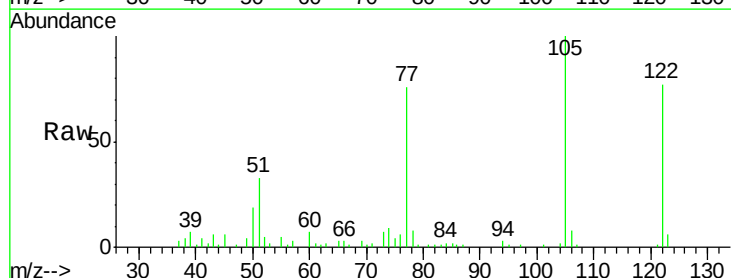
Tgt Ion:122 Resp: 99451

Ion Ratio Lower Upper

122 100

105 129.6 101.6 141.6

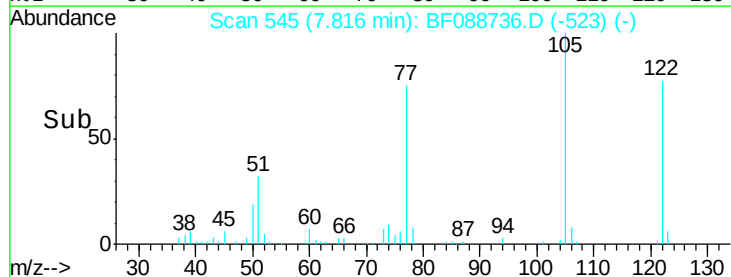
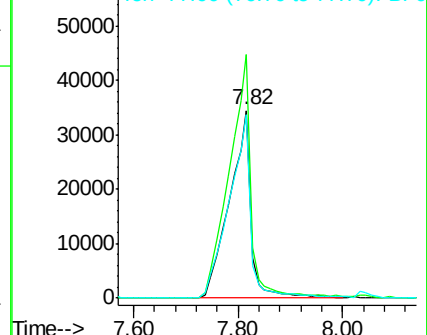
77 98.0 70.6 110.6

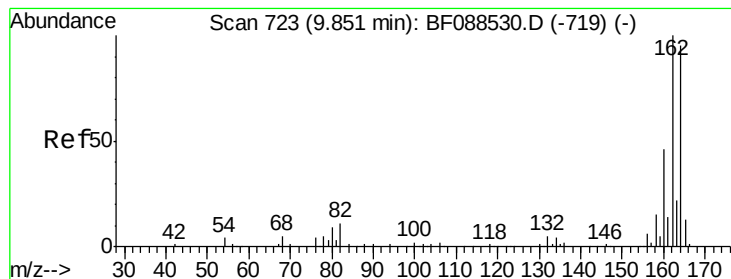


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.79 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

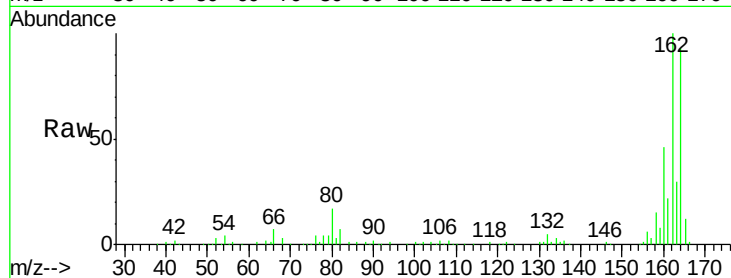
Tot Ion:164 Resp: 182446

Ion Ratio Lower Upper

164 100

162 107.0 85.4 128.2

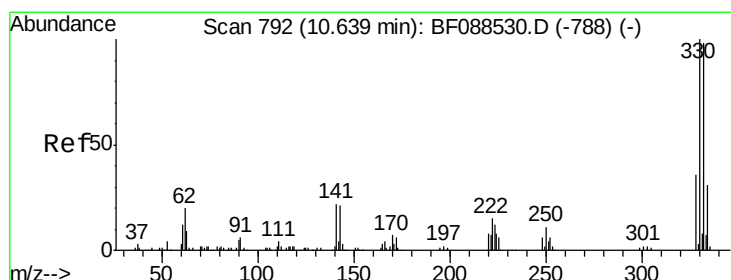
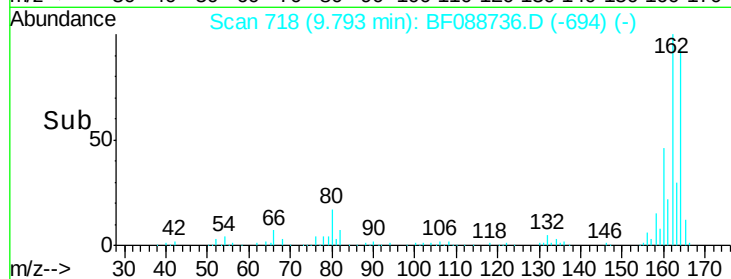
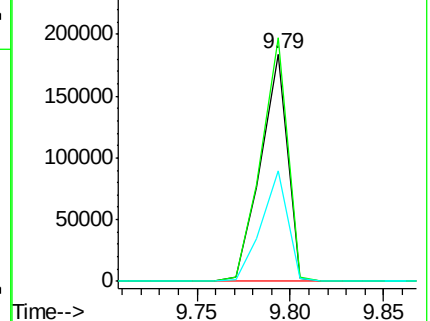
160 48.7 39.5 59.3



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: 160.89 ng

RT: 10.58 min Scan# 787

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

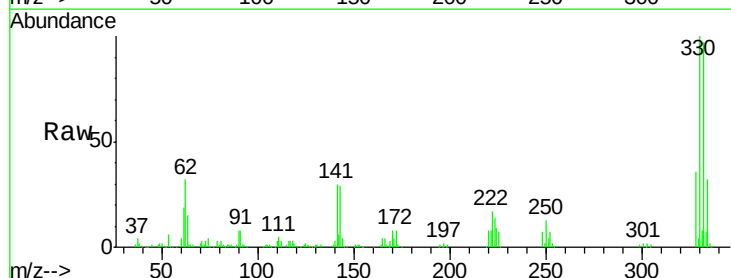
Tgt Ion:330 Resp: 272586

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

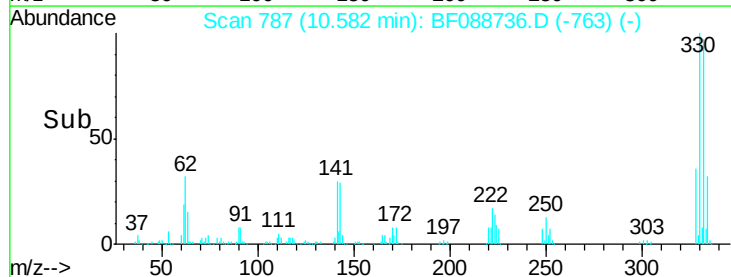
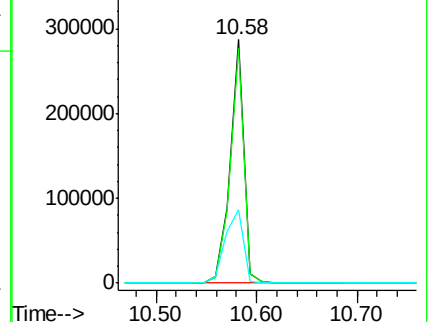
141 39.8 0.0 0.0#

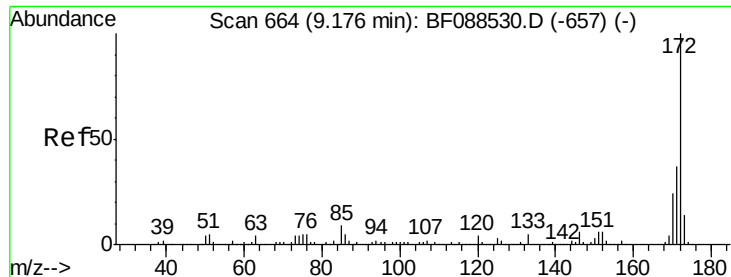


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

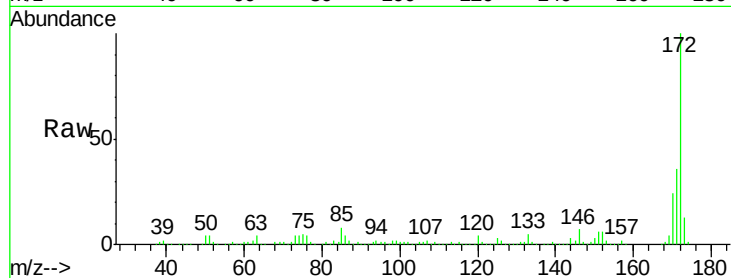




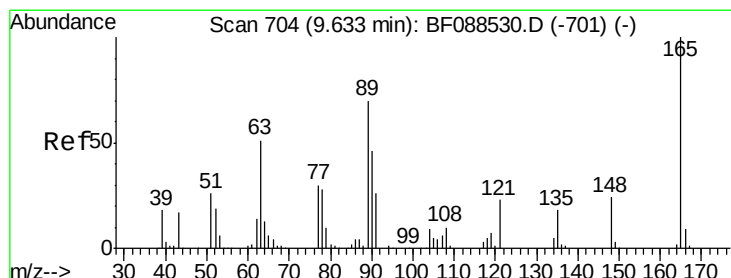
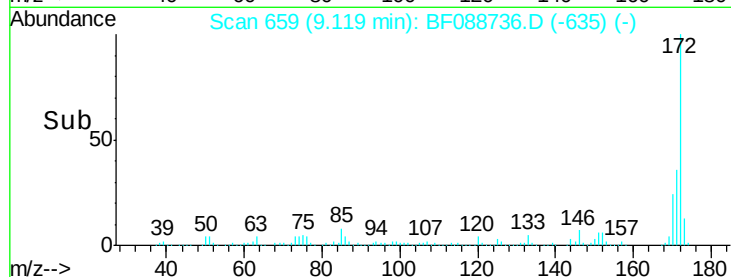
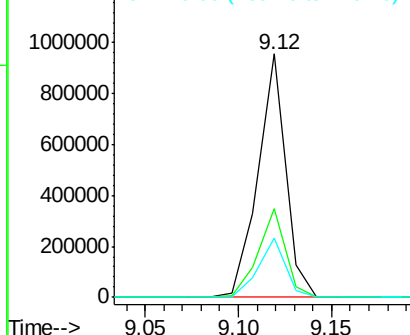
#44
 2-Fluorobiphenyl
 Concen: 84.87 ng
 RT: 9.12 min Scan# 659
 Delta R.T. -0.02 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-56-062716

Tot Ion:172 Resp: 980265
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.5 19.2 28.8

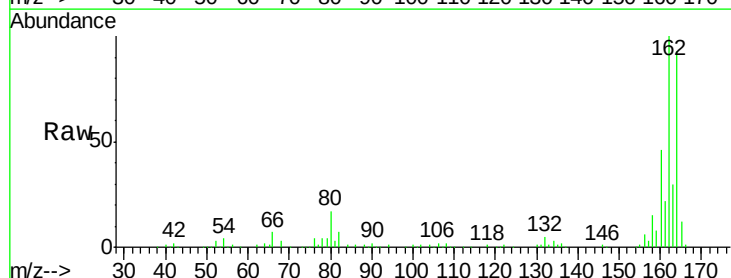


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

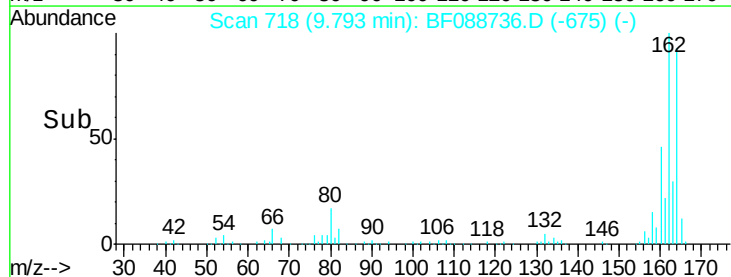
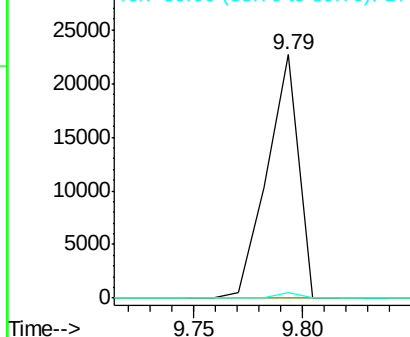


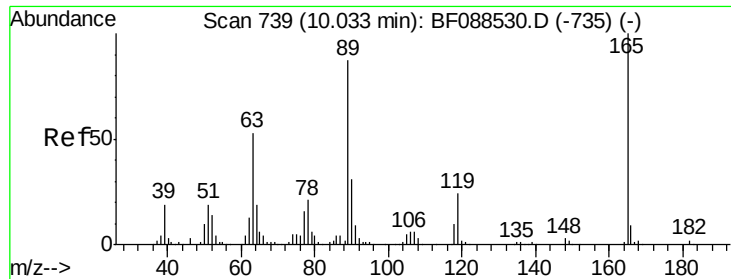
#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.79 min Scan# 718
 Delta R.T. 0.19 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

Tgt Ion:165 Resp: 22986
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 2.1 32.2 48.2#



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

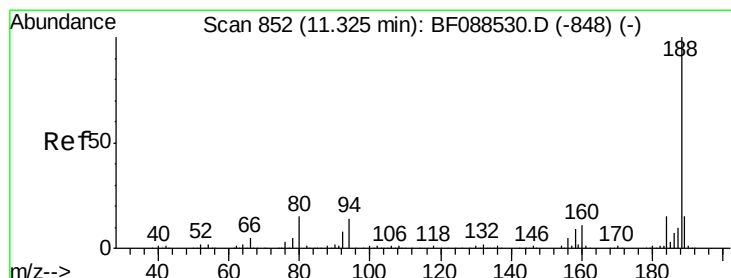
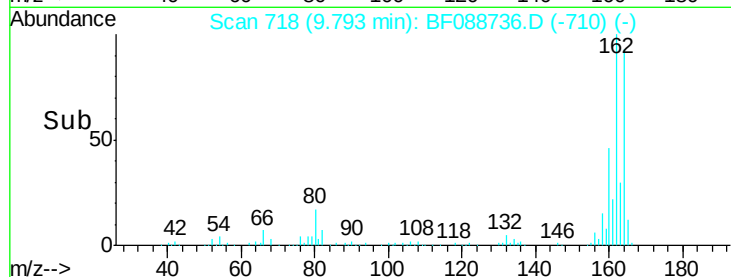
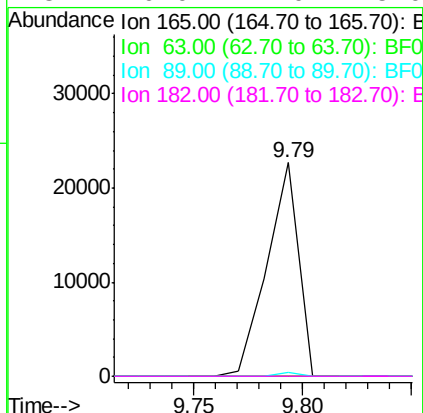
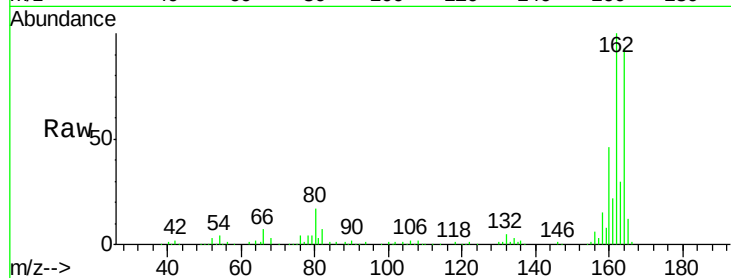




#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.79 min Scan# 718
 Delta R.T. -0.21 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

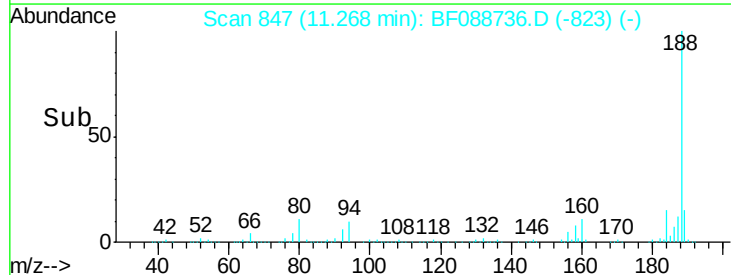
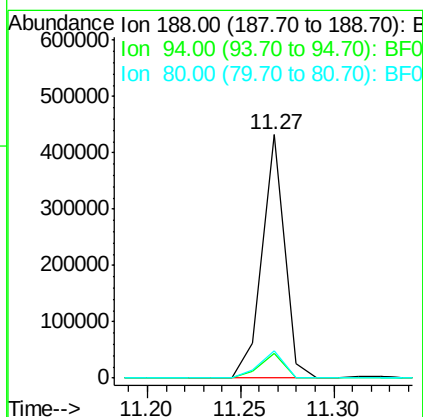
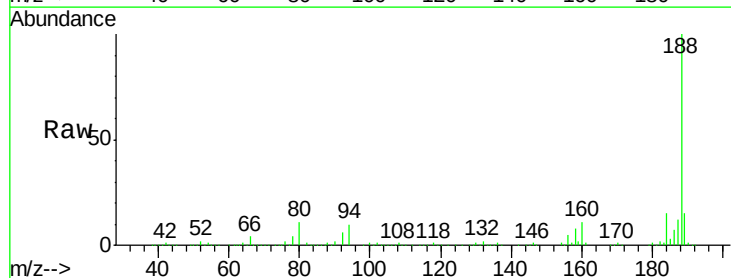
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-56-062716

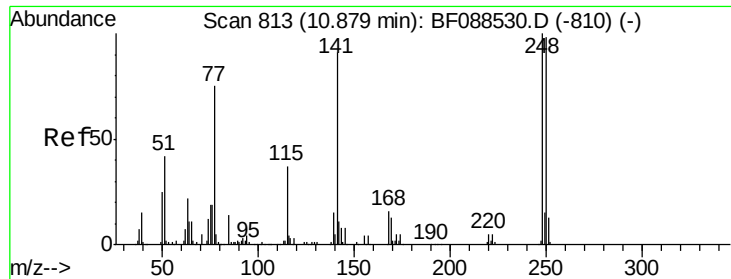
Tot Ion:165	Resp:	22986
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.0 33.0#
89	2.1	41.1 61.7#
182	0.0	2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.02 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

Tgt Ion:188	Resp:	357478
Ion Ratio	Lower	Upper
188	100	
94	10.3	9.0 13.6
80	11.4	10.0 15.0





#66

4-Bromophenyl-phenylether

Concen: 5.49 ng

RT: 10.58 min Scan# 787

Delta R.T. -0.26 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

Instrument :

BNA_F

ClientSampleId :

HSR-WC-56-062716

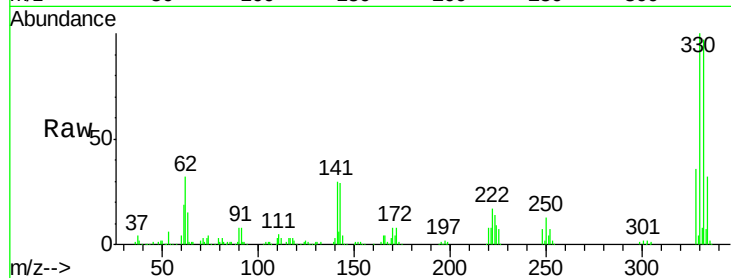
Tot Ion:248 Resp: 19787

Ion Ratio Lower Upper

248 100

250 192.9 77.1 115.7#

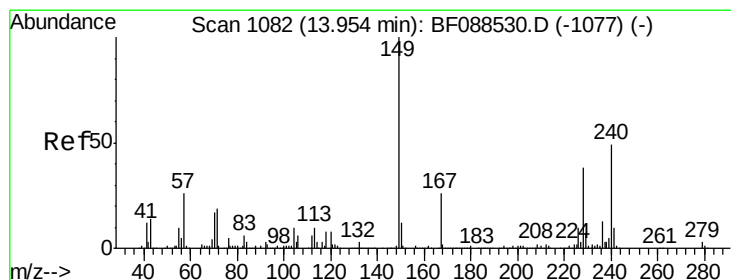
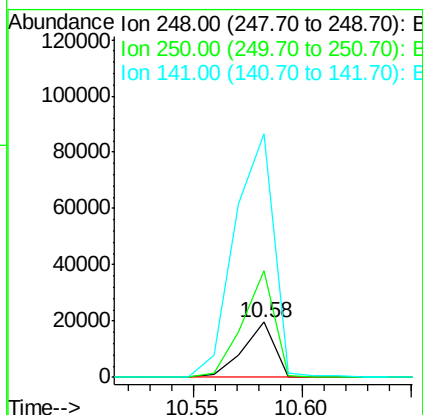
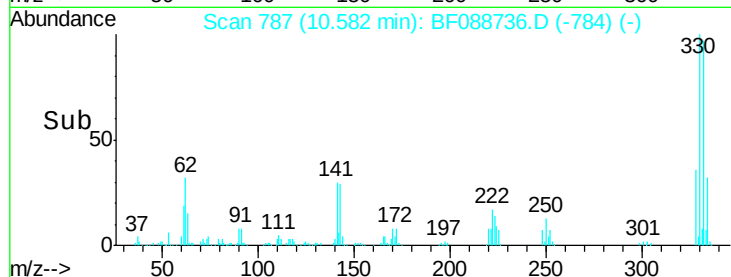
141 439.9 50.6 76.0#



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: 13.90 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BF088736.D

Acq: 6 Jul 2016 14:06

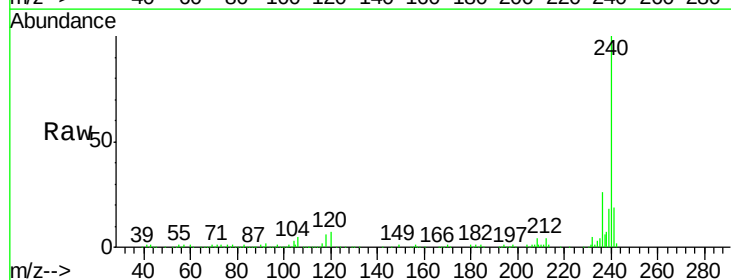
Tgt Ion:240 Resp: 275260

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

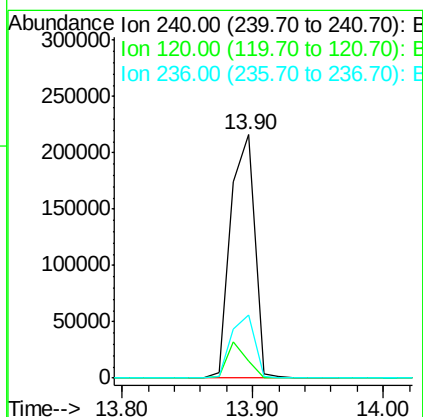
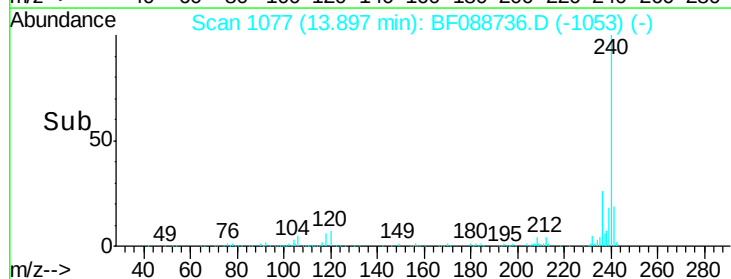
236 25.8 20.2 30.2

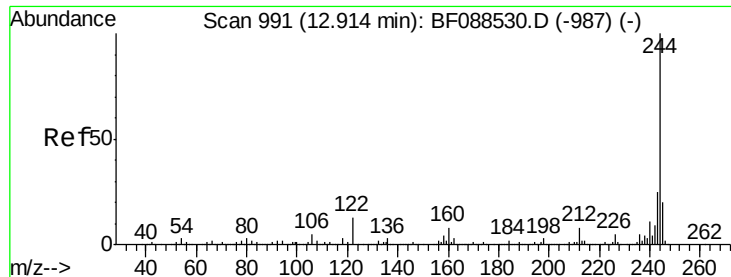


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

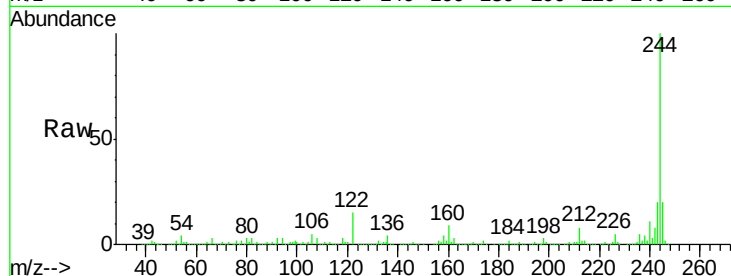




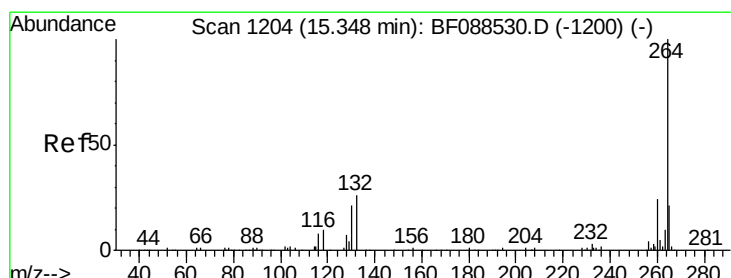
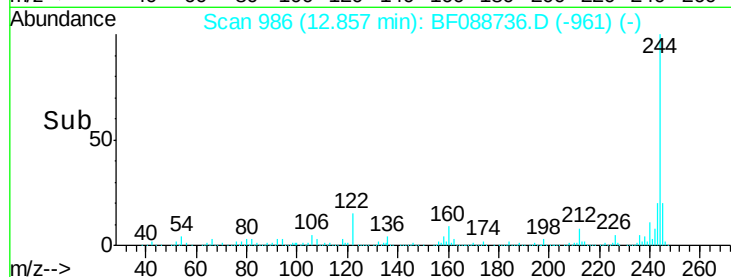
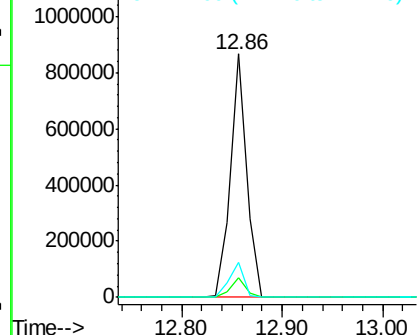
#78
 Terphenyl-d14
 Concen: 79.10 ng
 RT: 12.86 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-56-062716

Tot Ion:244 Resp: 977549
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 14.6 11.2 16.8

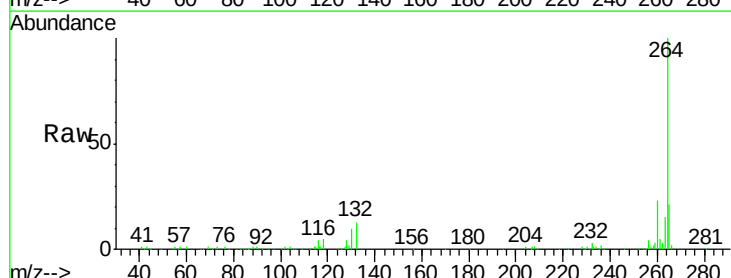


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF088736.D
 Acq: 6 Jul 2016 14:06

Tgt Ion:264 Resp: 195199
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 20.9 16.9 25.3



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

