

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\
 Data File : BF088849.D
 Acq On : 9 Jul 2016 3:12
 Operator : UM/SJ
 Sample : H3813-18 50X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 09 04:40:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

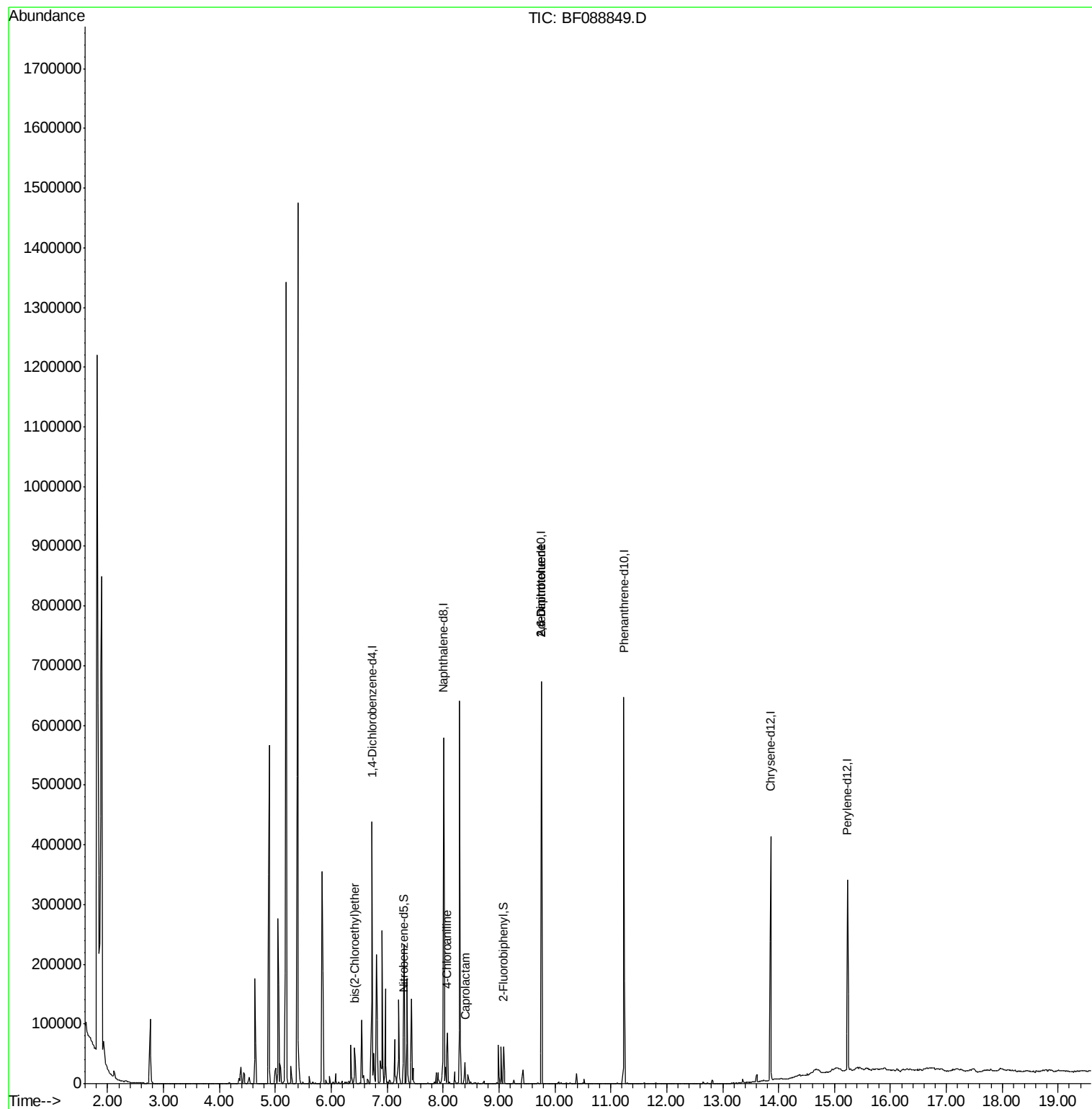
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	66268	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	256689	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	124441	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	228161	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	163307	20.00	ng	-0.01
86) Perylene-d12	15.23	264	130642	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	255	0.06	ng	0.08
7) Phenol-d6	6.35	99	3093	0.54	ng	-0.02
23) Nitrobenzene-d5	7.29	82	11059	2.26	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.08	172	19640	2.49	ng	-0.01
78) Terphenyl-d14	12.81	244	4292	0.59	ng	-0.01
Target Compounds						
11) bis(2-Chloroethyl)ether	6.42	93	11112	2.29	ng	# 34
33) 4-Chloroaniline	8.08	127	12680	2.25	ng	# 63
35) Caprolactam	8.40	113	2383	2.06	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	15947	8.12	ng	# 39
56) 2,4-Dinitrotoluene	9.76	165	15947	6.21	ng	# 37

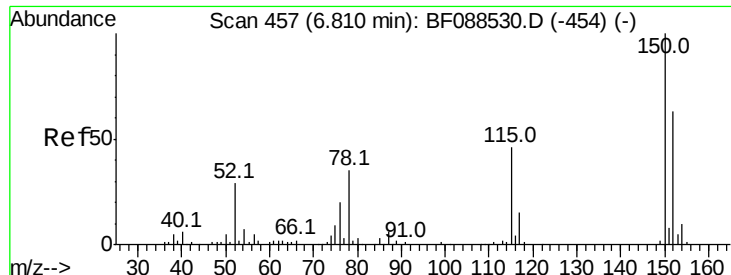
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

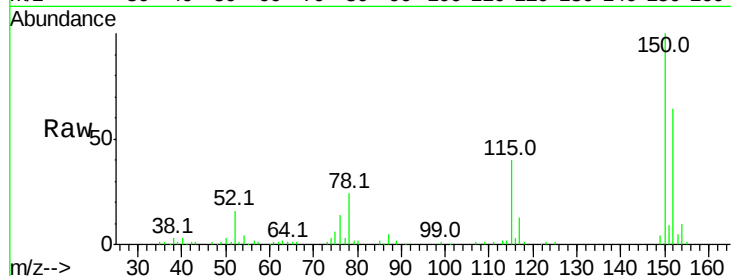
Tot Ion:152 Resp: 66268

Ion Ratio Lower Upper

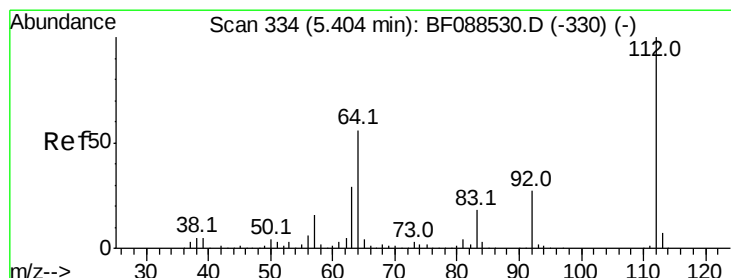
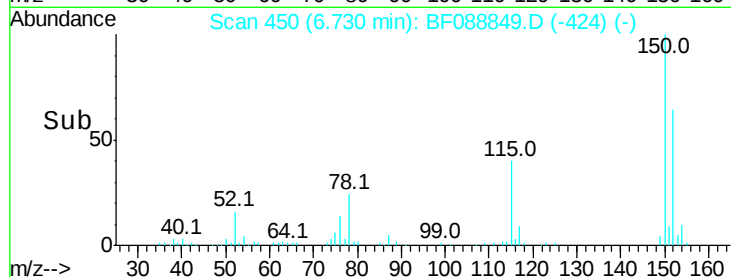
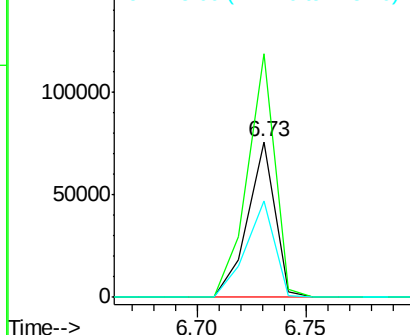
152 100

150 156.5 123.8 185.6

115 62.1 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: 0.06 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.08 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

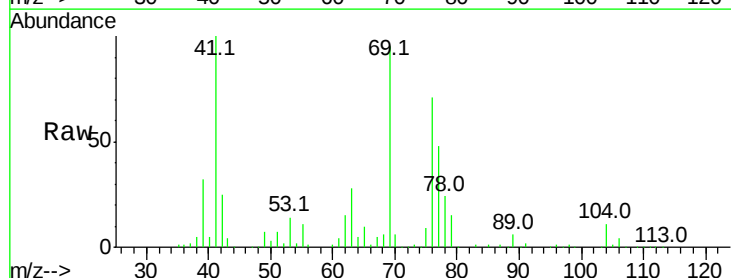
Tgt Ion:112 Resp: 255

Ion Ratio Lower Upper

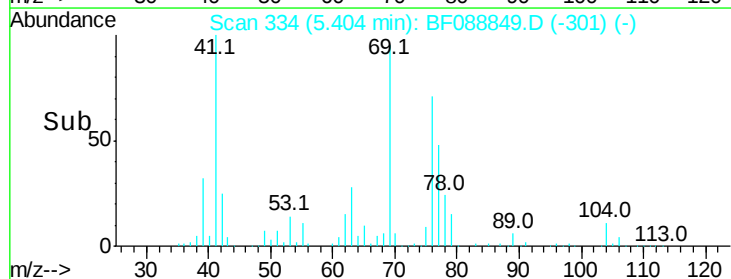
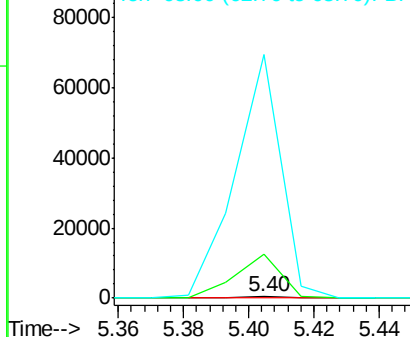
112 100

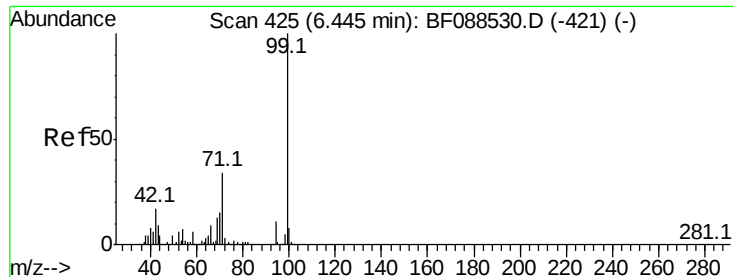
64 3351.1 42.2 63.2#

63 18671.0 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: 0.54 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

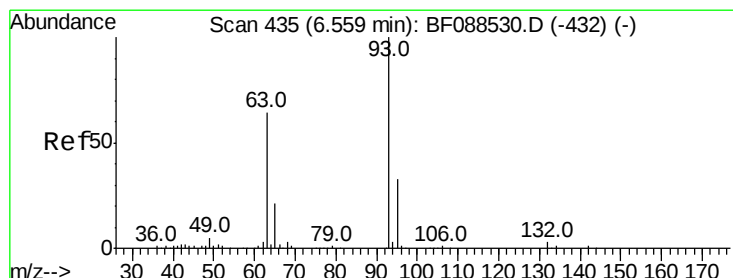
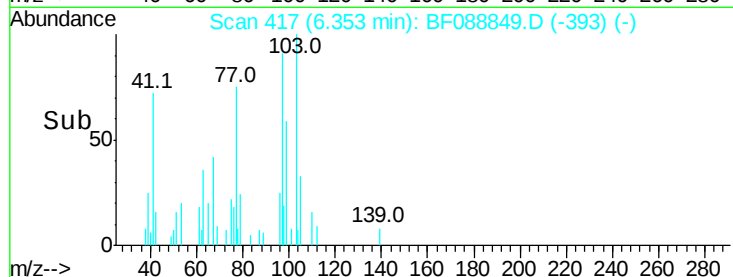
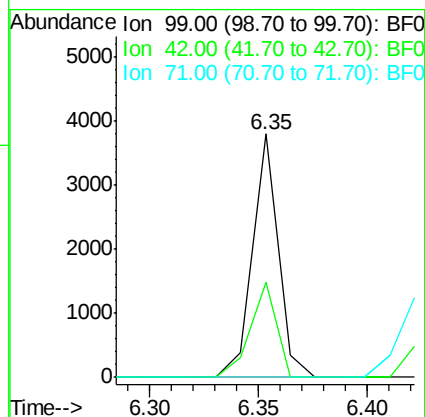
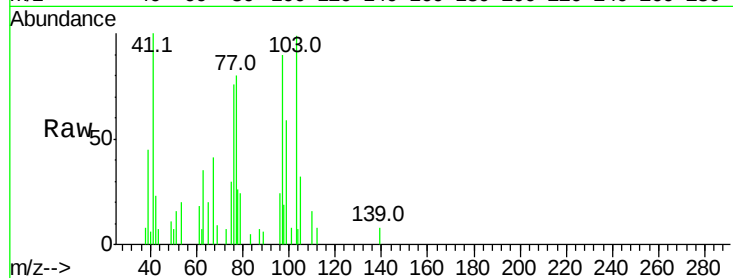
Tot Ion: 99 Resp: 3093

Ion Ratio Lower Upper

99 100

42 39.3 12.2 18.2#

71 0.0 23.4 35.0#



#11

bis(2-Chloroethyl)ether

Concen: 2.29 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.06 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

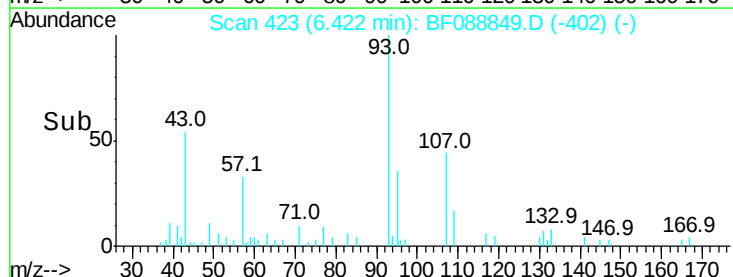
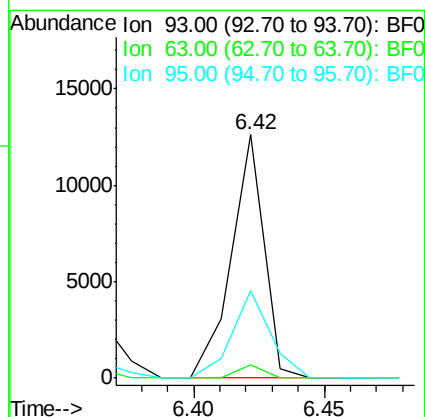
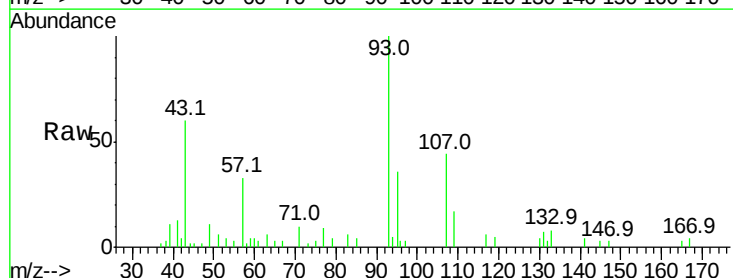
Tgt Ion: 93 Resp: 11112

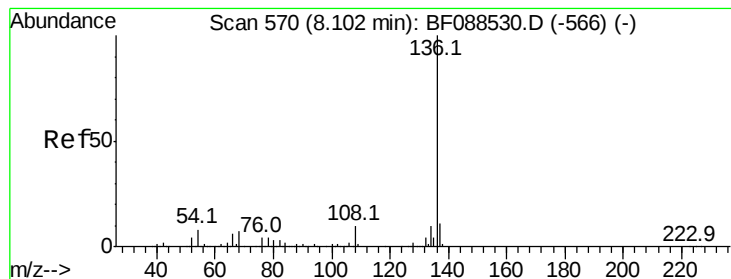
Ion Ratio Lower Upper

93 100

63 5.7 67.6 107.6#

95 35.7 12.5 52.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 256689

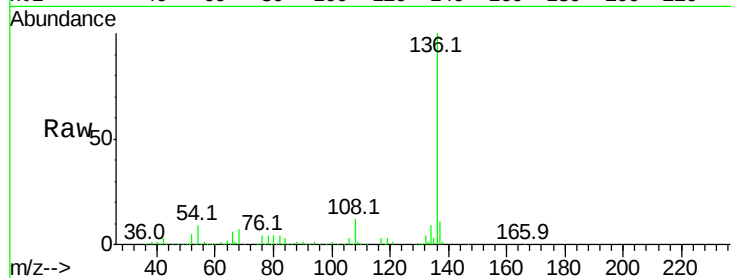
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.6 6.6 10.0

68 6.9 5.1 7.7

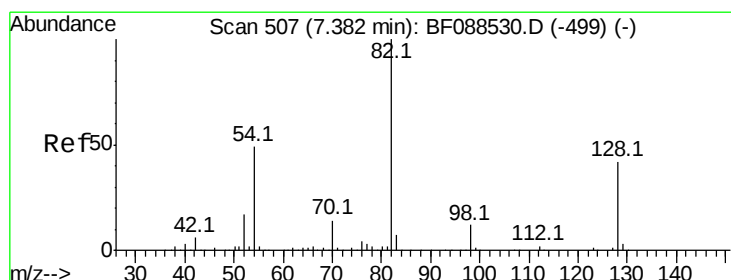
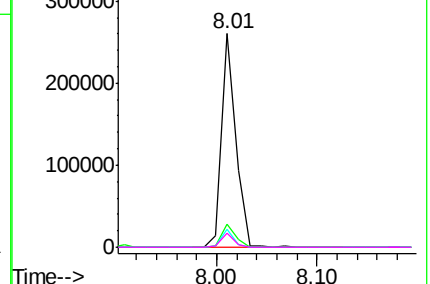
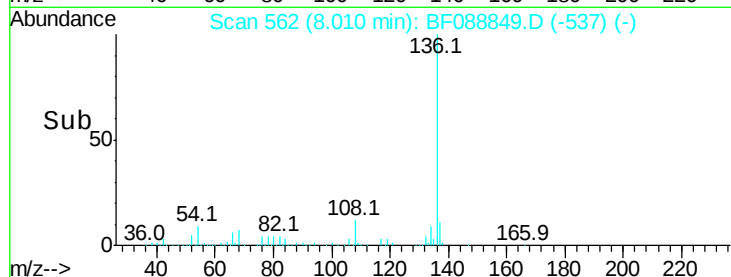


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.26 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

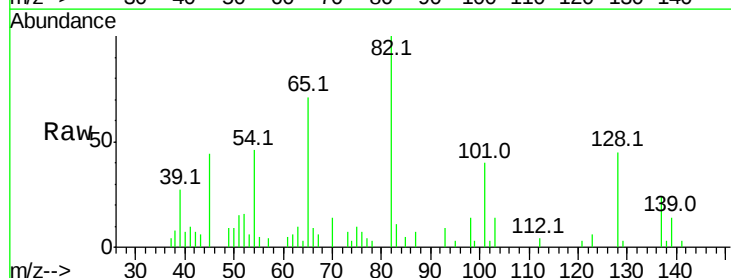
Tgt Ion: 82 Resp: 11059

Ion Ratio Lower Upper

82 100

128 45.3 35.9 53.9

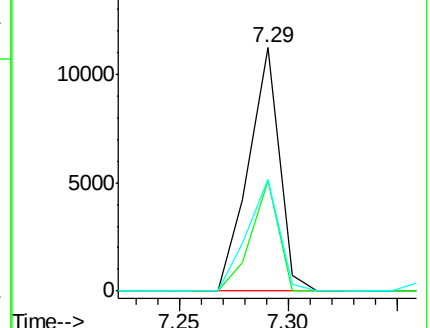
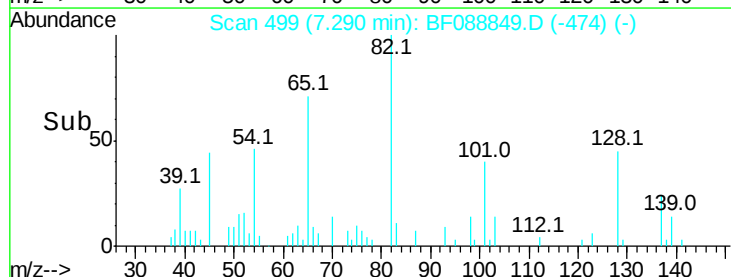
54 46.0 40.9 61.3

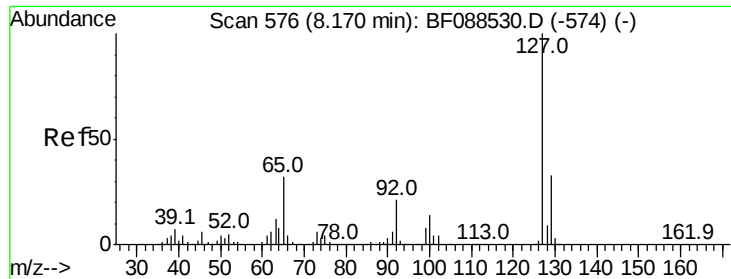


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

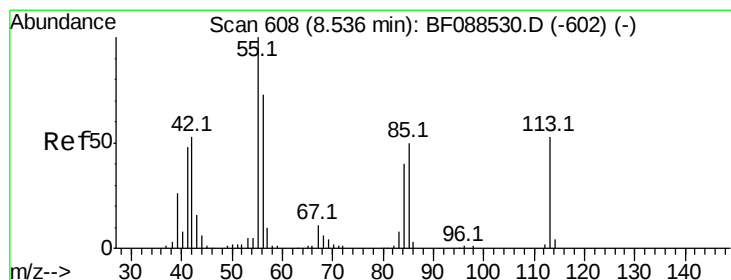
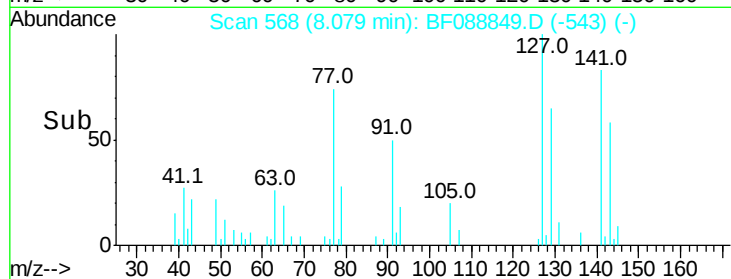
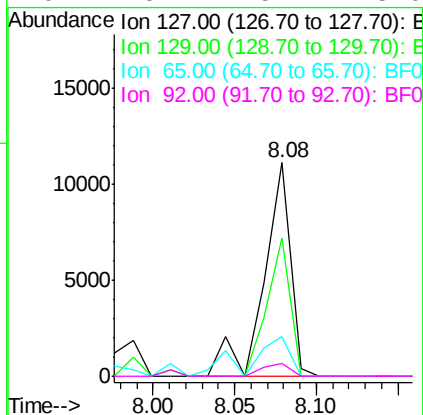
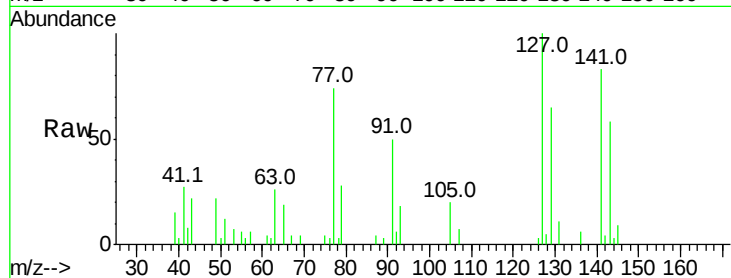




#33
 4-Chloroaniline
 Concen: 2.25 ng
 RT: 8.08 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF088849.D
 Acq: 9 Jul 2016 3:12

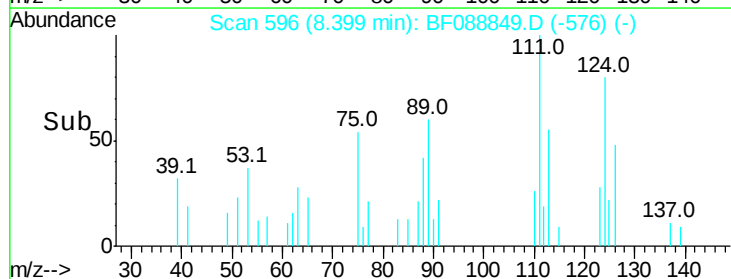
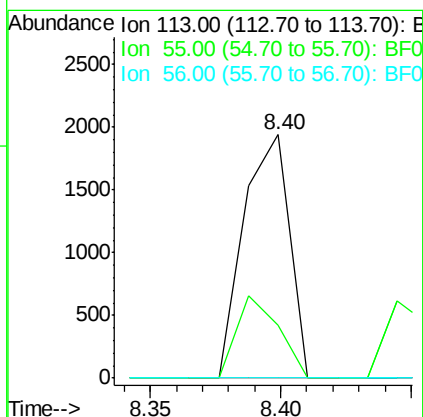
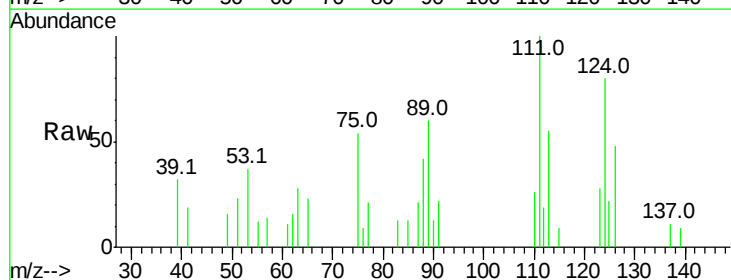
Instrument :
 BNA_F
 ClientSampleId :

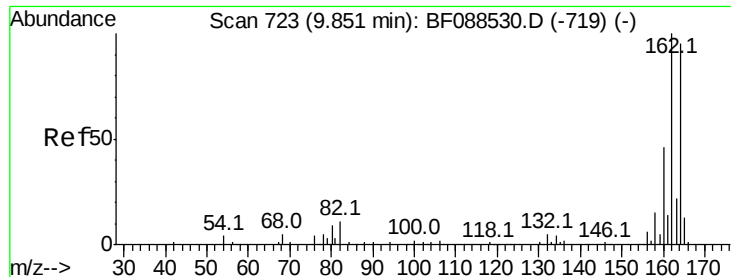
Tot Ion:127 Resp: 12680
 Ion Ratio Lower Upper
 127 100
 129 64.8 26.3 39.5#
 65 18.7 24.7 37.1#
 92 6.1 15.4 23.0#



#35
 Caprolactam
 Concen: 2.06 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.07 min
 Lab File: BF088849.D
 Acq: 9 Jul 2016 3:12

Tgt Ion:113 Resp: 2383
 Ion Ratio Lower Upper
 113 100
 55 21.8 158.6 198.6#
 56 0.0 110.6 150.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

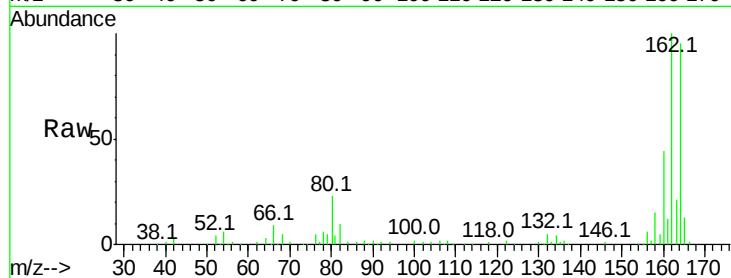
Tot Ion:164 Resp: 124441

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

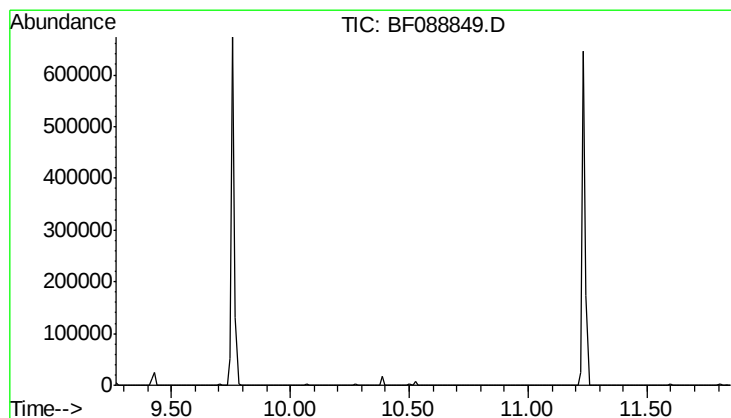
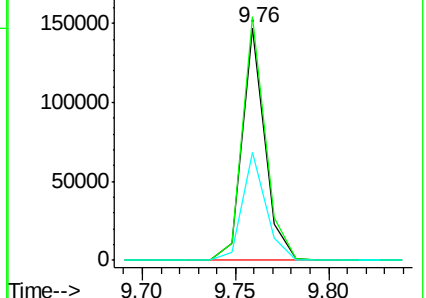
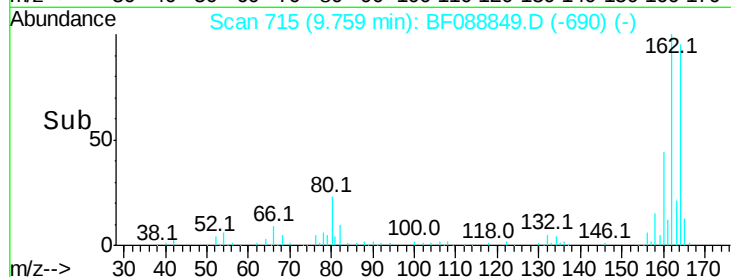
160 46.5 39.5 59.3



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: 0.00 ng

Expected RT: 10.56 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

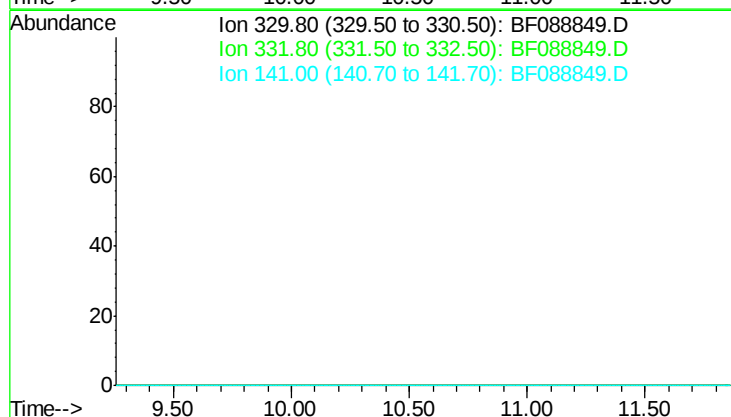
Tgt Ion: 330

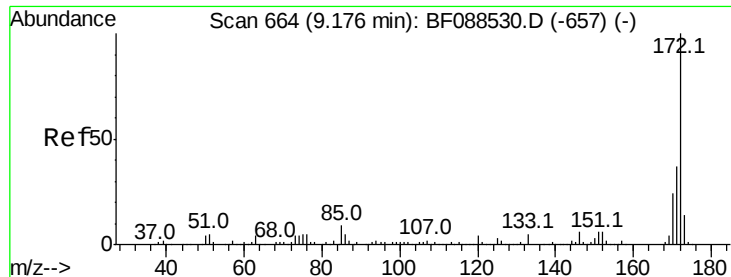
Sig Exp Ratio

330 100

332 0.0

141 0.0

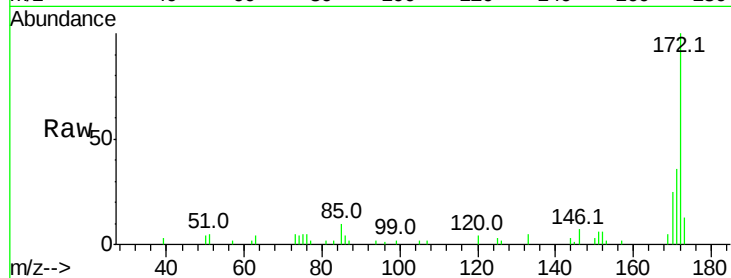




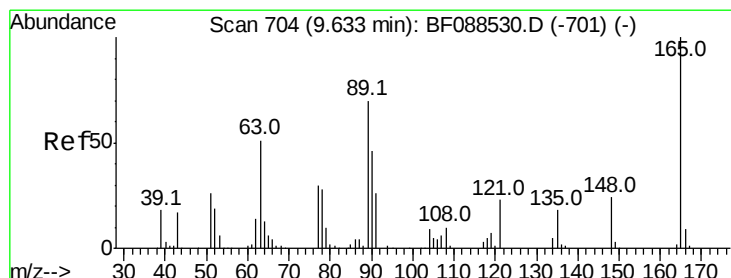
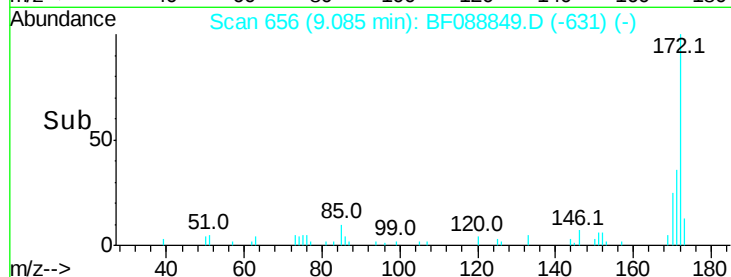
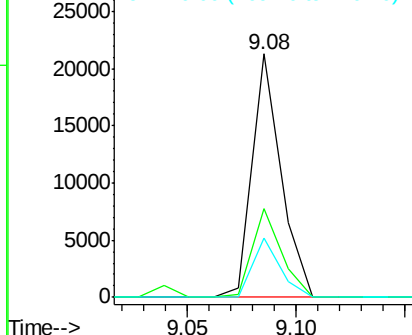
#44
 2-Fluorobiphenyl
 Concen: 2.49 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF088849.D
 Acq: 9 Jul 2016 3:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 19640
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.6 19.2 28.8

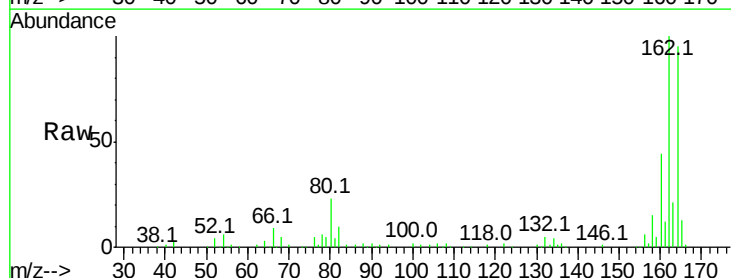


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

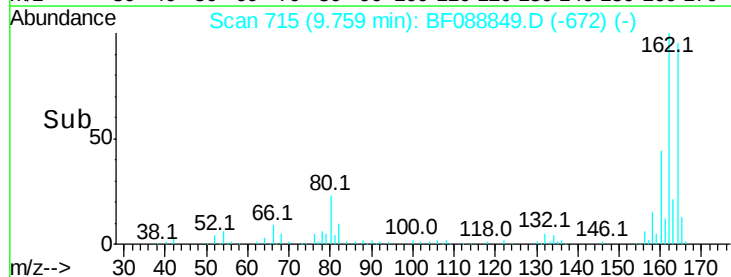
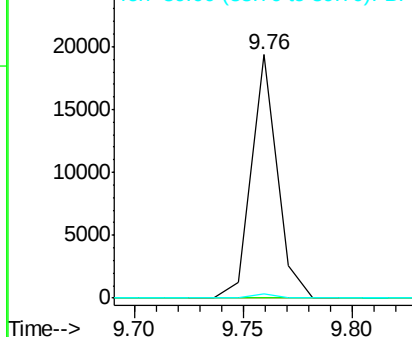


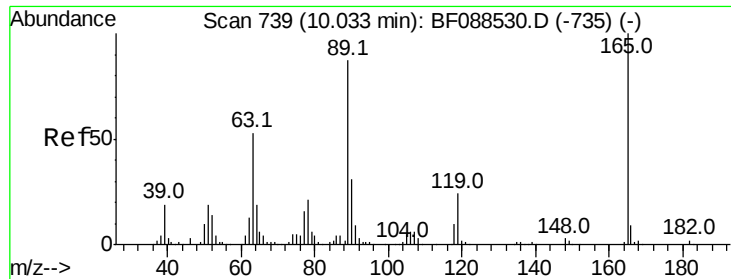
#50
 2,6-Dinitrotoluene
 Concen: 8.12 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088849.D
 Acq: 9 Jul 2016 3:12

Tgt Ion:165 Resp: 15947
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 1.7 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: 6.21 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.19 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 15947

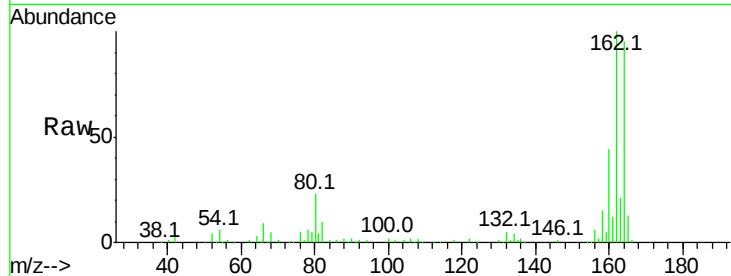
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

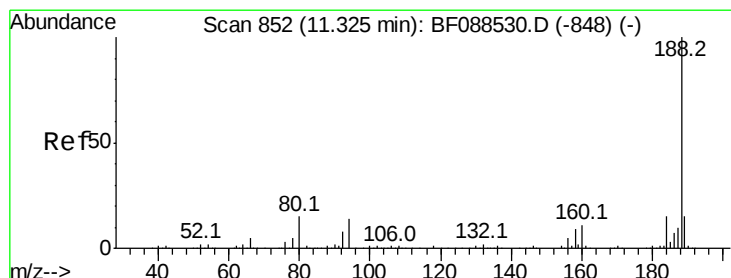
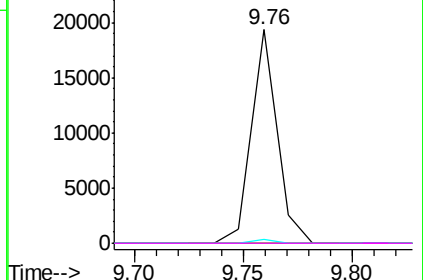
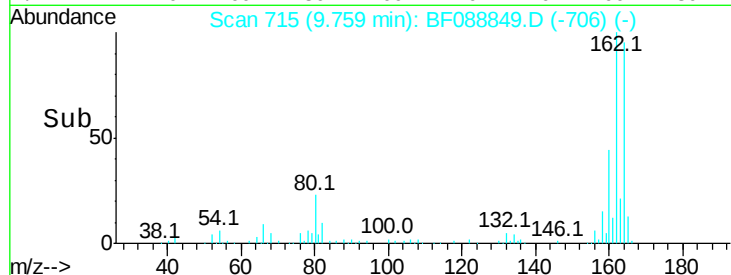


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

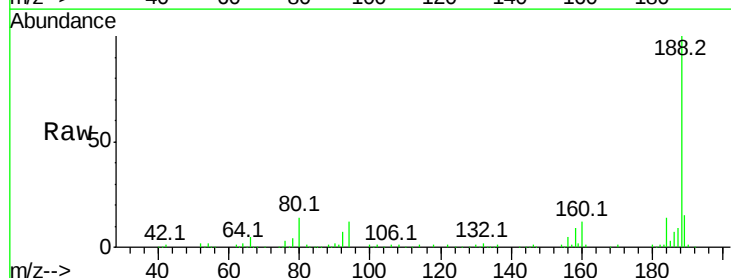
Tgt Ion:188 Resp: 228161

Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.6

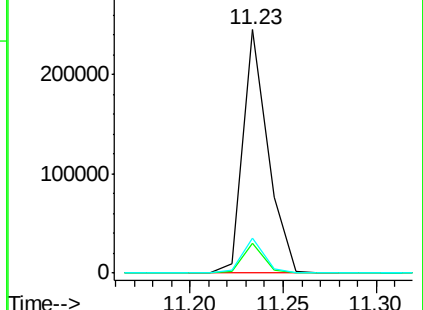
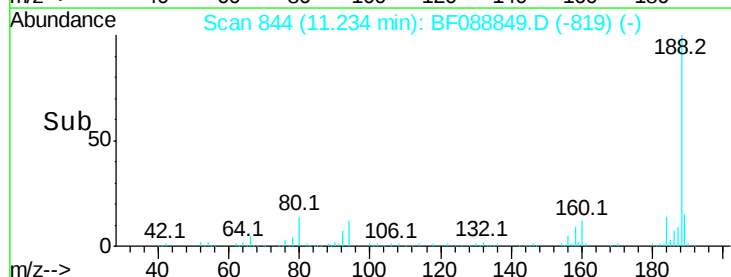
80 14.3 10.0 15.0

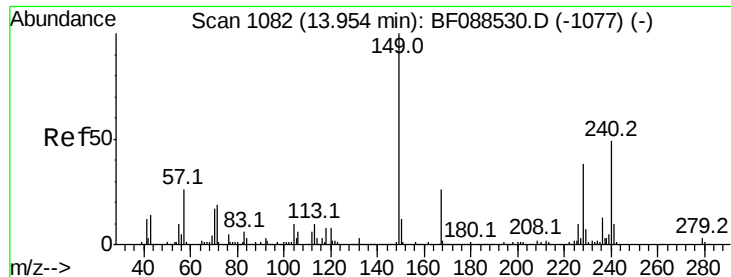


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

Instrument :

BNA_F

ClientSampleId :

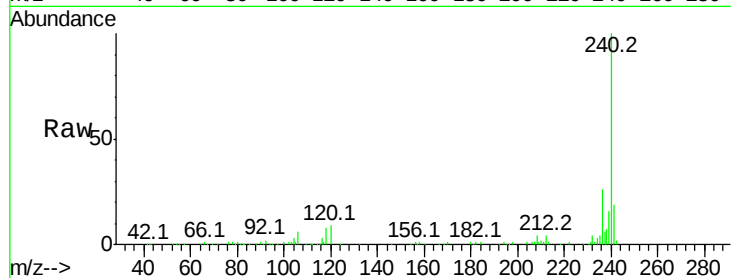
Tot Ion:240 Resp: 163307

Ion Ratio Lower Upper

240 100

120 8.7 6.8 10.2

236 25.9 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

13.86

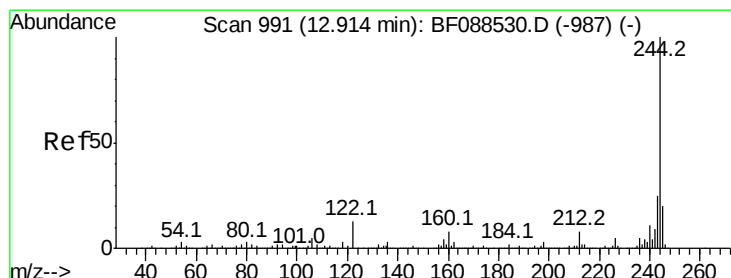
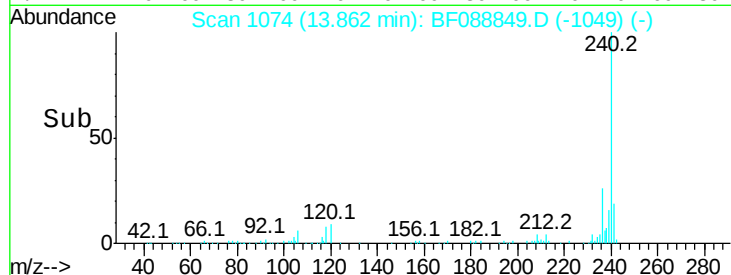
150000

100000

50000

0

Time-->



#78

Terphenyl-d14

Concen: 0.59 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088849.D

Acq: 9 Jul 2016 3:12

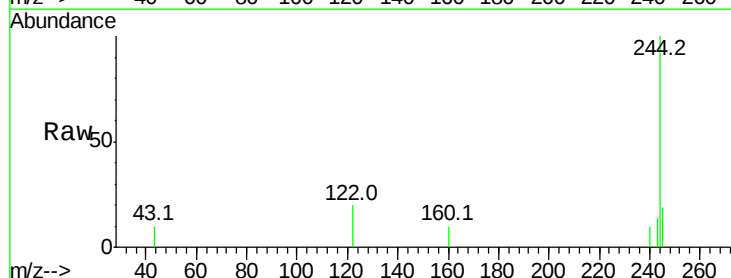
Tgt Ion:244 Resp: 4292

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

122 20.0 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

12.81

4000

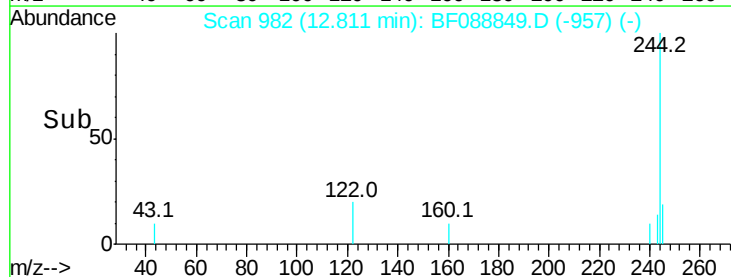
3000

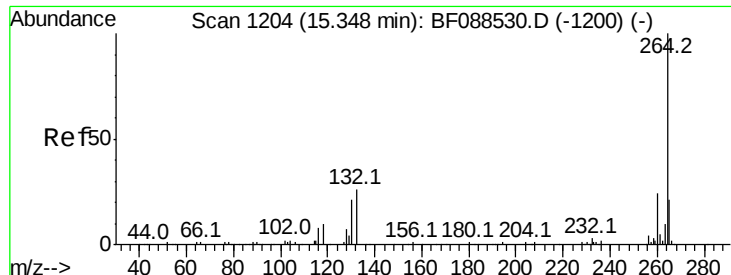
2000

1000

0

Time-->

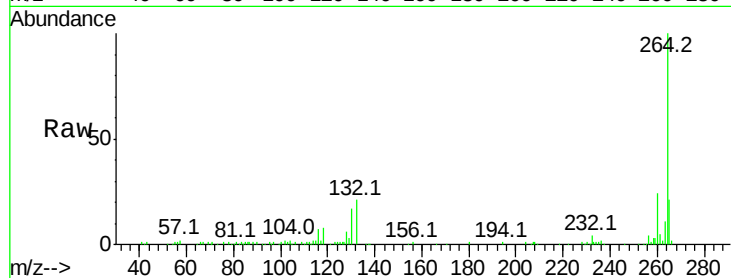




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088849.D
Acq: 9 Jul 2016 3:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 130642
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.2 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

