

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070816\
 Data File : BF088859.D
 Acq On : 9 Jul 2016 8:02
 Operator : UM/SJ
 Sample : PB91940TB
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91940TB

Quant Time: Jul 11 00:53:43 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

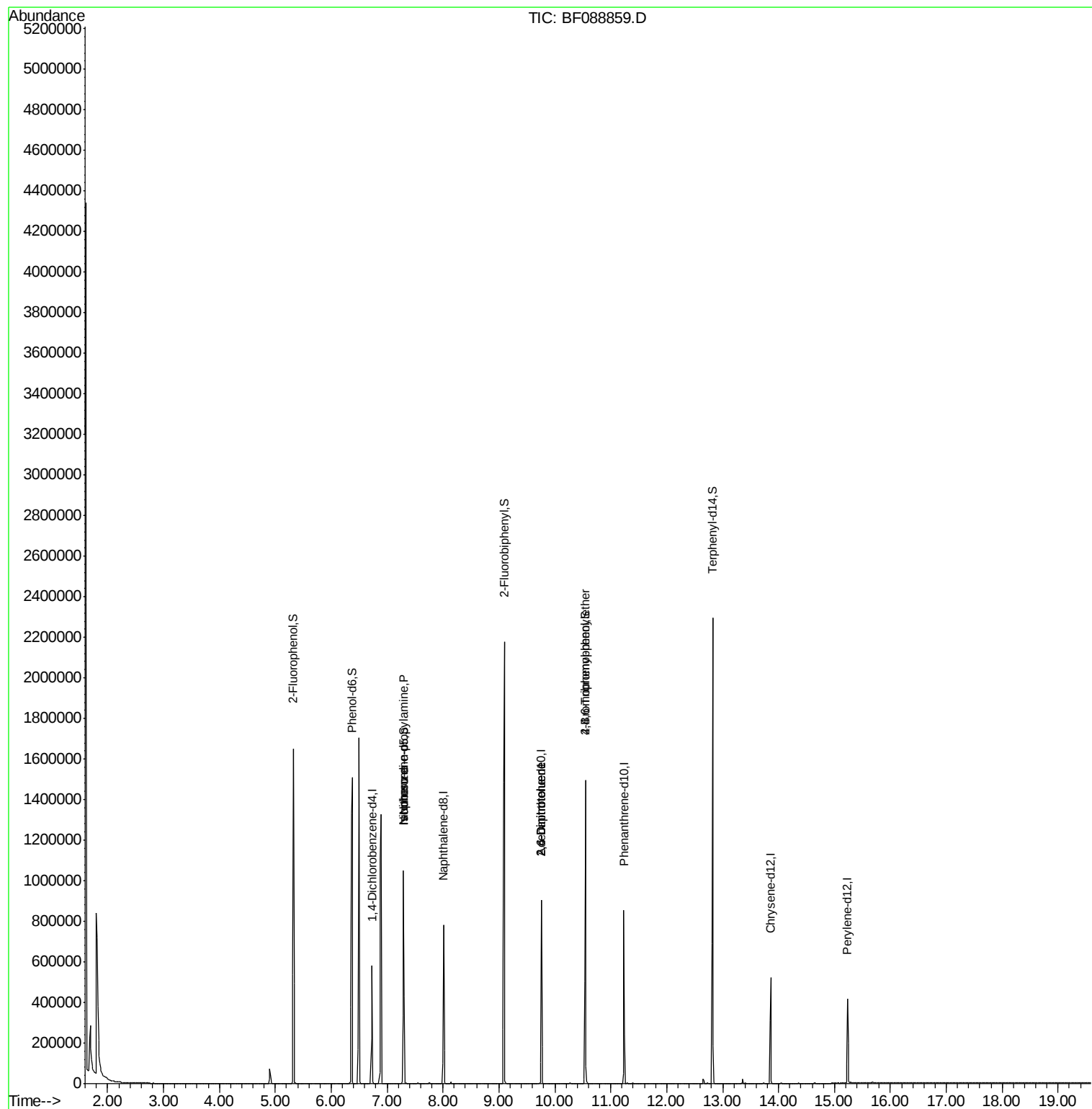
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	93613	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	356840	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	170642	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	307053	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	212084	20.00	ng	-0.01
86) Perylene-d12	15.23	264	185635	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	553237	88.57	ng	0.00
7) Phenol-d6	6.38	99	843476	104.51	ng	0.00
23) Nitrobenzene-d5	7.29	82	450418	66.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	169256	106.81	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	924499	85.58	ng	0.00
78) Terphenyl-d14	12.82	244	686035	72.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	58643	10.82	ng	# 73
25) Isophorone	7.29	82	364074	28.86	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	21903	8.13	ng	# 40
56) 2,4-Dinitrotoluene	9.76	165	21903	6.22	ng	# 38
66) 4-Bromophenyl-phenylether	10.55	248	12211	3.95	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: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Instrument :

BNA_F

ClientSampleId :

PB91940TB

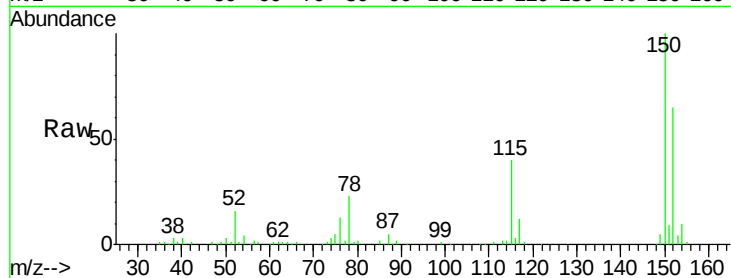
Tgt Ion:152 Resp: 93613

Ion Ratio Lower Upper

152 100

150 153.7 123.8 185.6

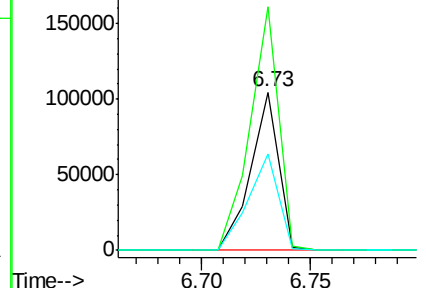
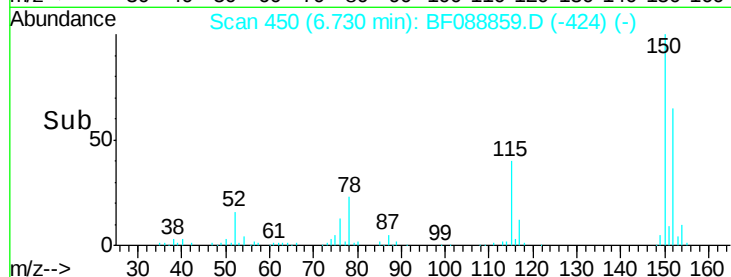
115 61.1 39.6 59.4#



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: 88.57 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

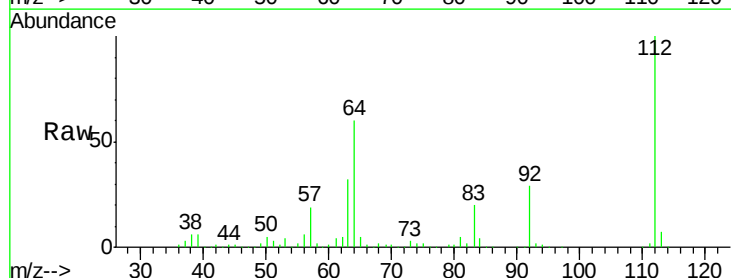
Tgt Ion:112 Resp: 553237

Ion Ratio Lower Upper

112 100

64 60.3 42.2 63.2

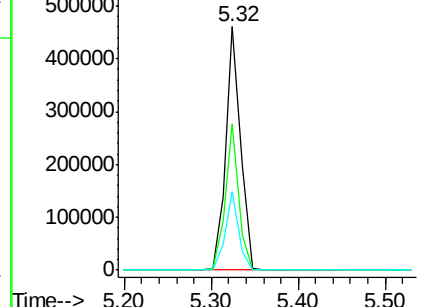
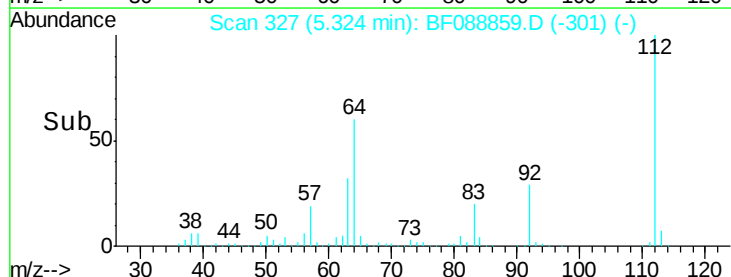
63 32.5 21.8 32.8



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: 104.51 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Instrument :

BNA_F

ClientSampleId :

PB91940TB

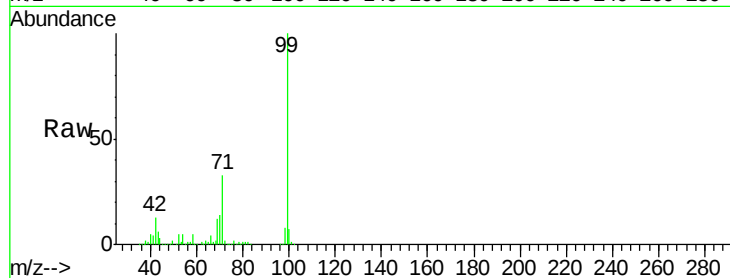
Tgt Ion: 99 Resp: 843476

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

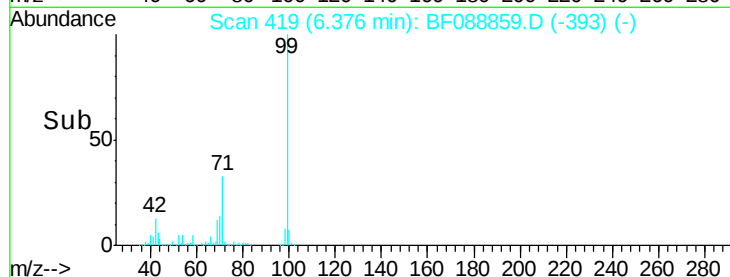
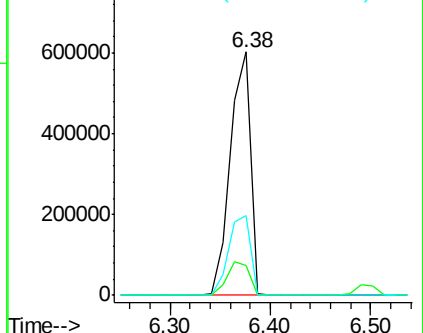
71 32.7 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.82 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.13 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Tgt Ion: 70 Resp: 58643

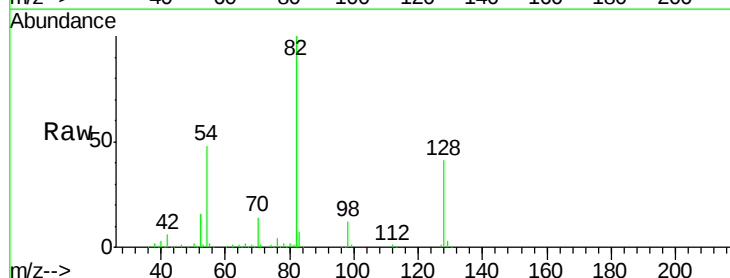
Ion Ratio Lower Upper

70 100

42 44.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

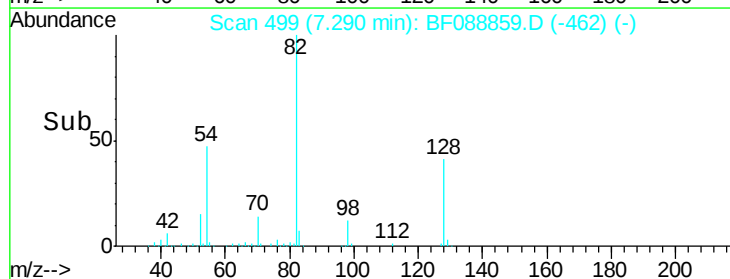
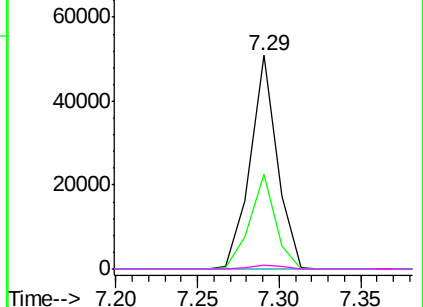


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Instrument :

BNA_F

ClientSampleId :

PB91940TB

Tgt Ion:136 Resp: 356840

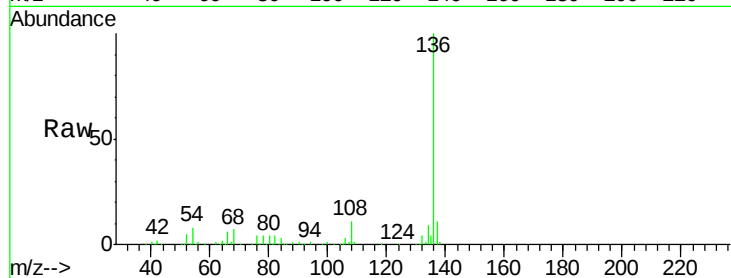
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.3 6.6 10.0

68 6.6 5.1 7.7

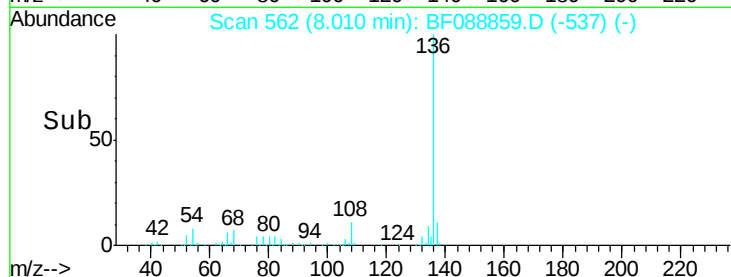


Abundance Ion 136.00 (135.70 to 136.70): E

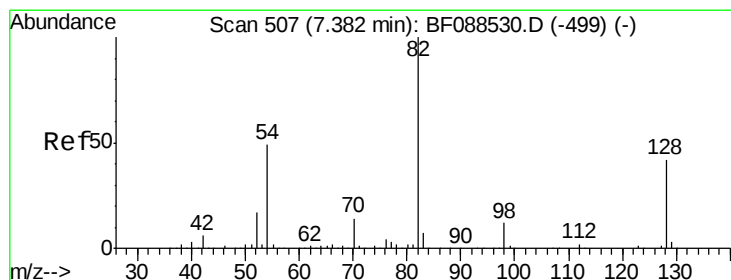
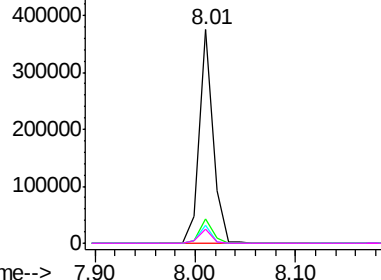
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 66.15 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

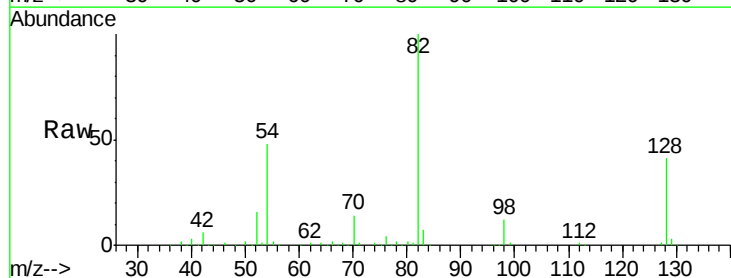
Tgt Ion: 82 Resp: 450418

Ion Ratio Lower Upper

82 100

128 41.0 35.9 53.9

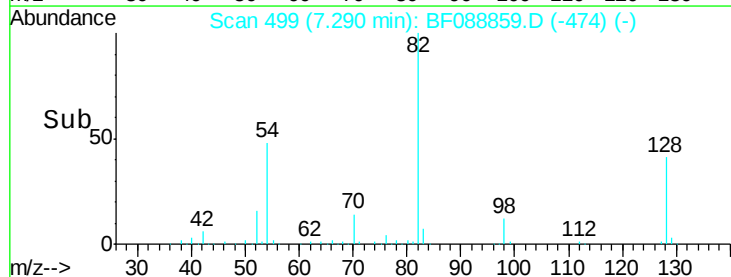
54 47.8 40.9 61.3



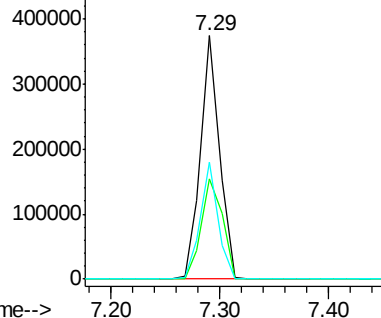
Abundance Ion 82.00 (81.70 to 82.70): BF0

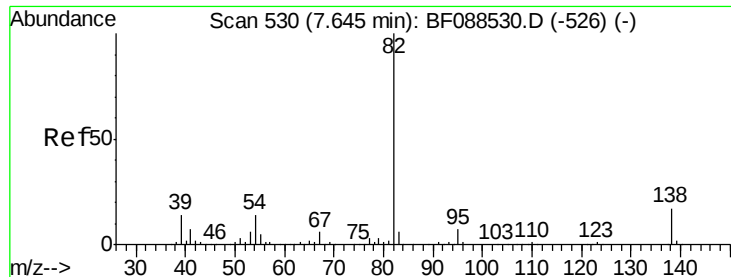
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 28.86 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.27 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Instrument :

BNA_F

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PB91940TB

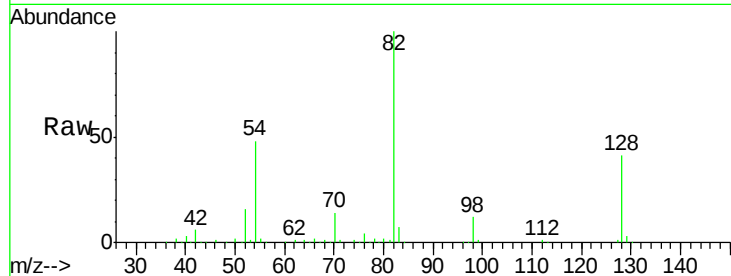
Tgt Ion: 82 Resp: 364074

Ion Ratio Lower Upper

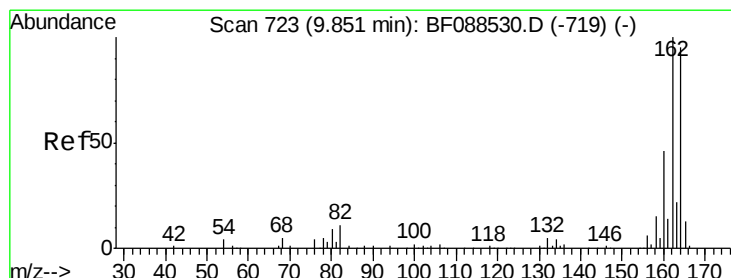
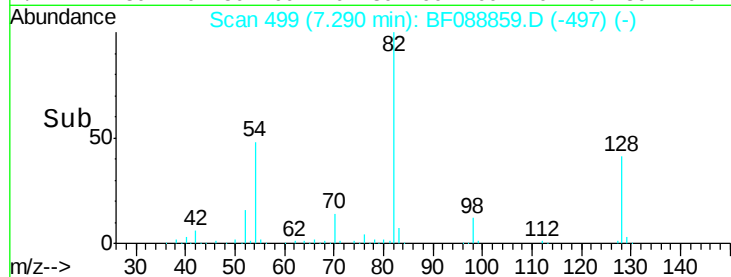
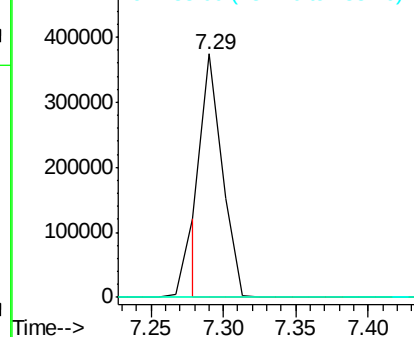
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

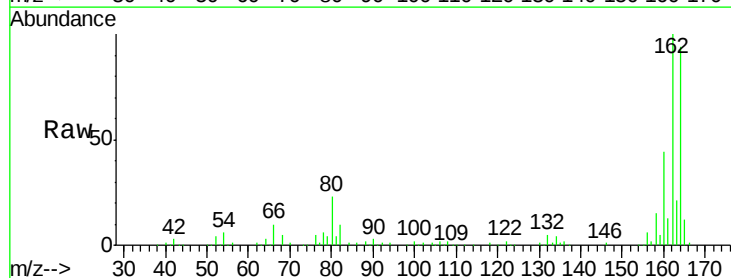
Tgt Ion: 164 Resp: 170642

Ion Ratio Lower Upper

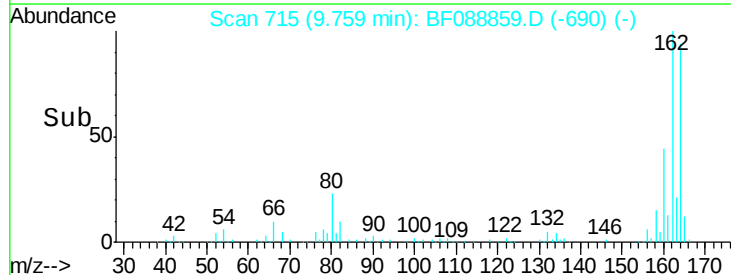
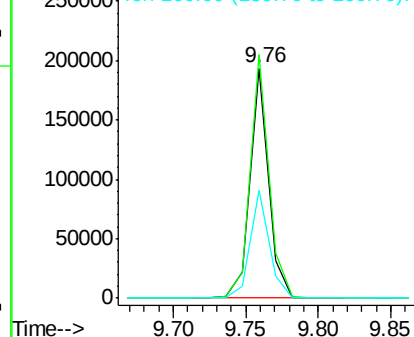
164 100

162 105.9 85.4 128.2

160 46.9 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

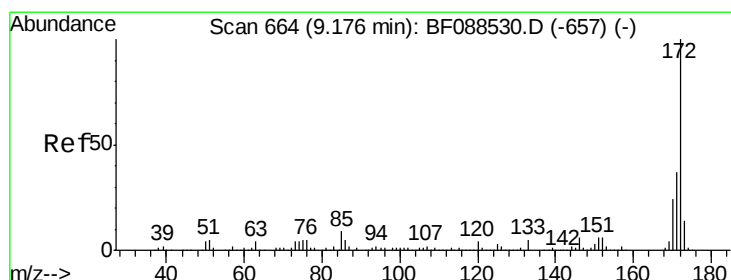
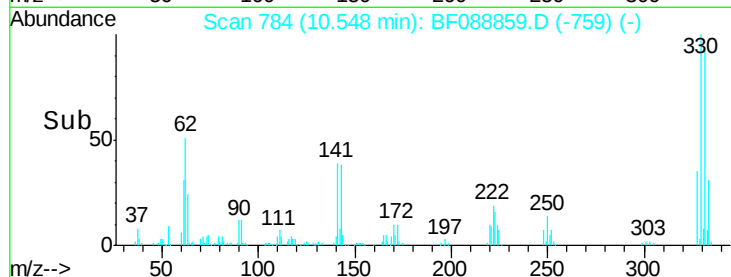
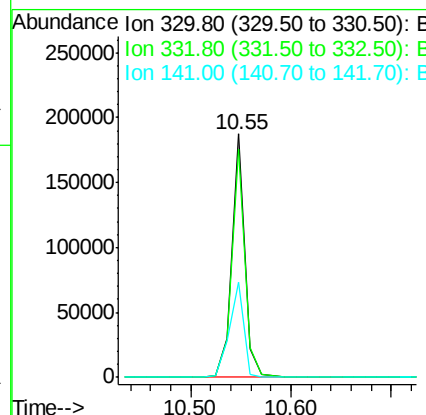
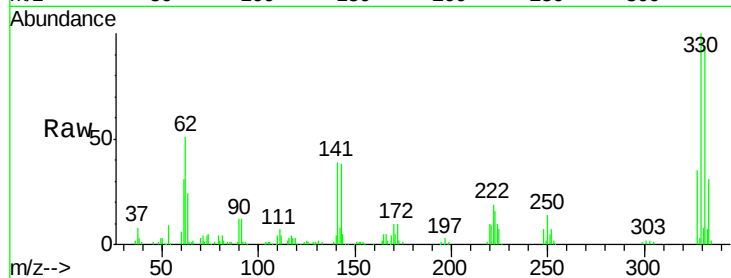




#41
 2,4,6-Tribromophenol
 Concen: 106.81 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF088859.D
 Acq: 9 Jul 2016 8:02

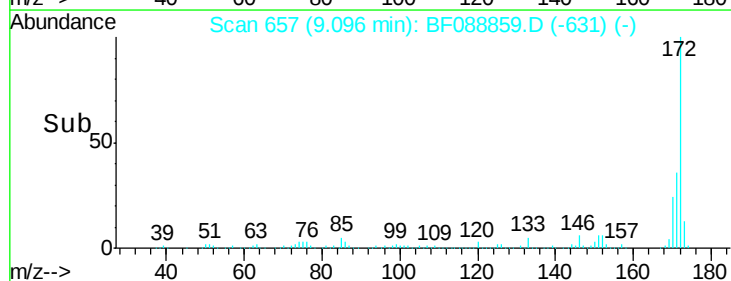
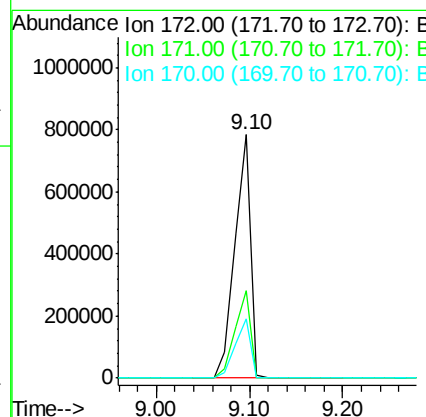
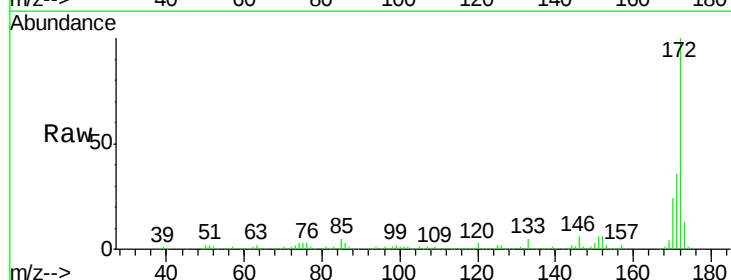
Instrument :
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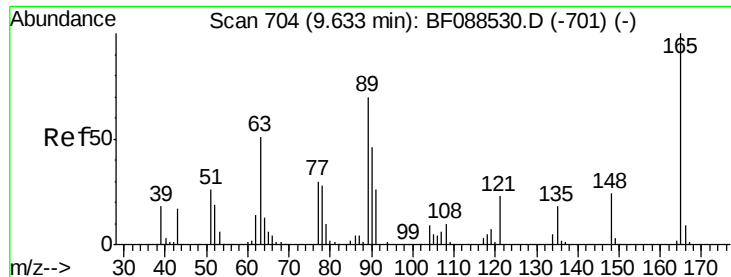
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	0.0	0.0#
141	42.8	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 85.58 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: BF088859.D
 Acq: 9 Jul 2016 8:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.3	19.2	28.8

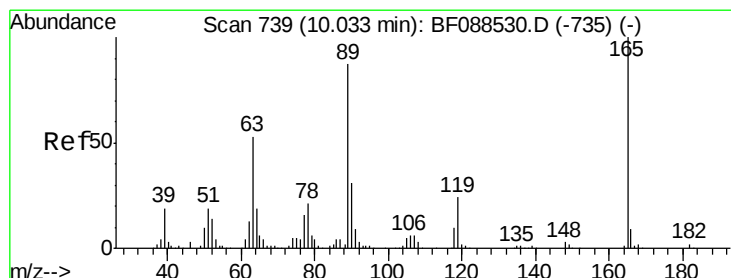
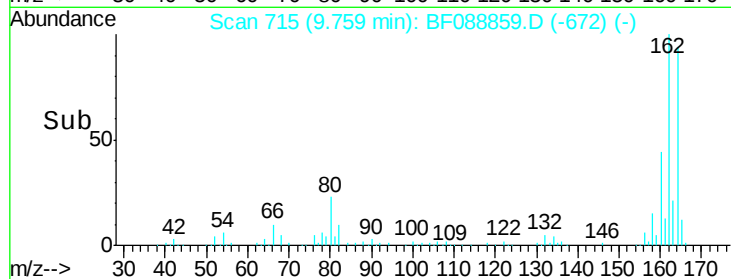
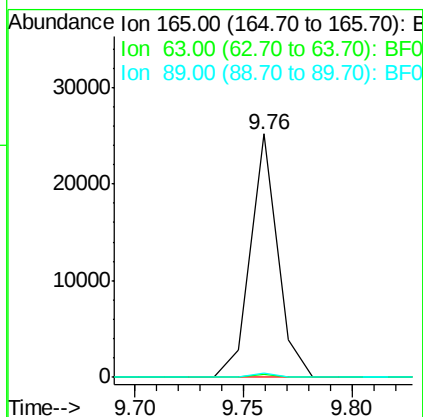
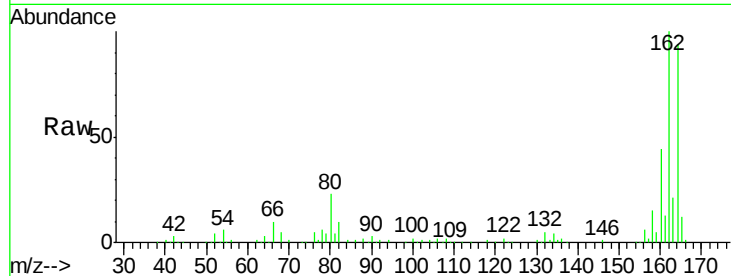




#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088859.D
 Acq: 9 Jul 2016 8:02

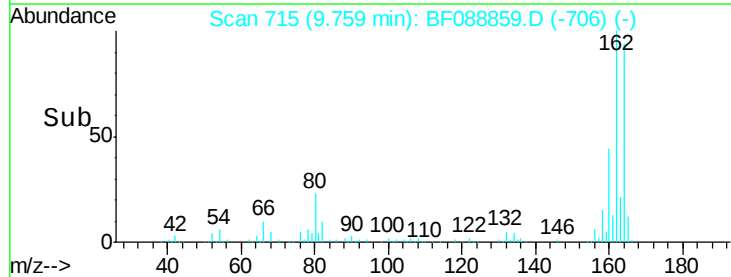
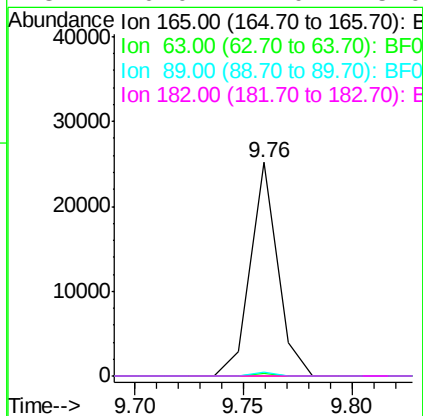
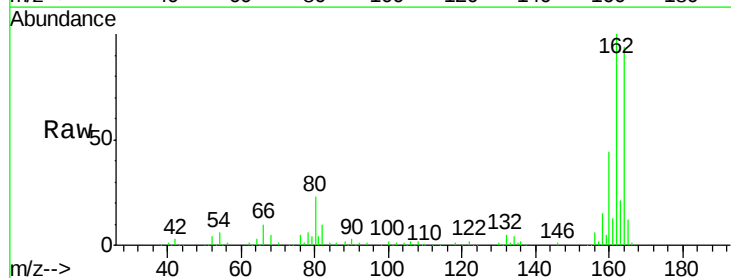
Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.1	42.1#
89	1.7	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088859.D
 Acq: 9 Jul 2016 8:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

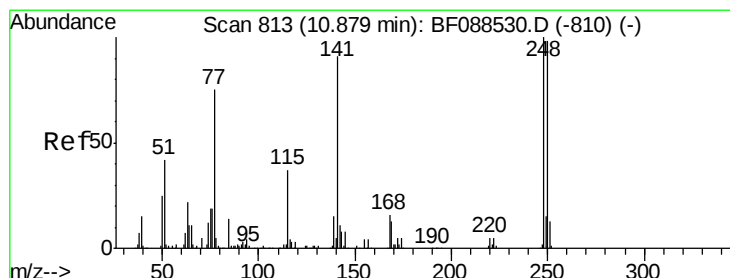
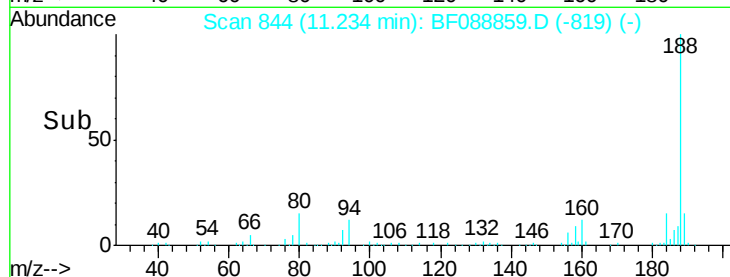
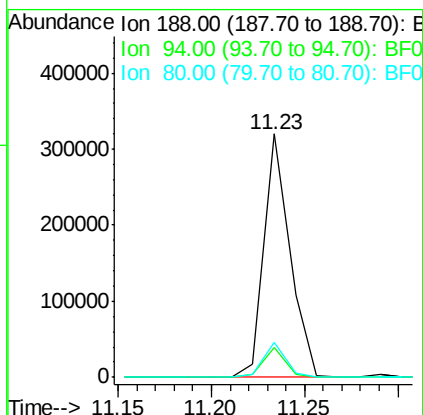
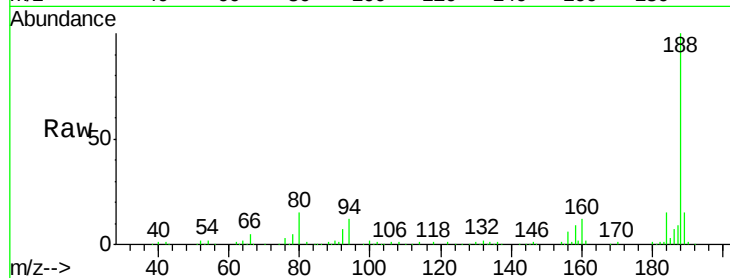




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088859.D
Acq: 9 Jul 2016 8:02

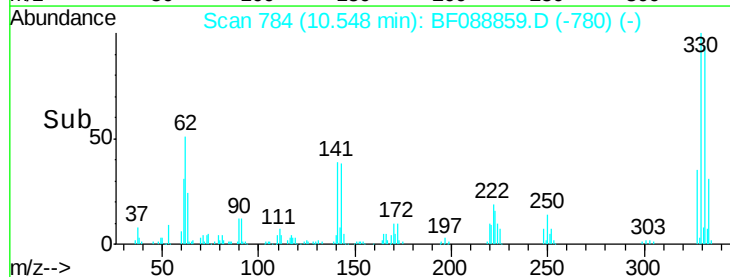
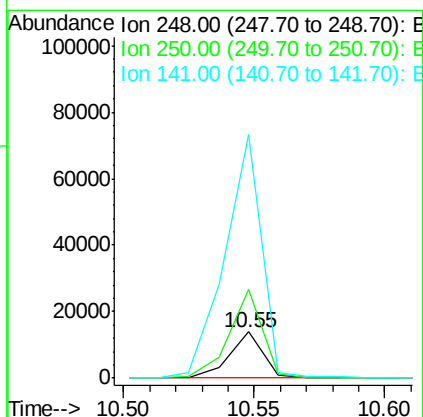
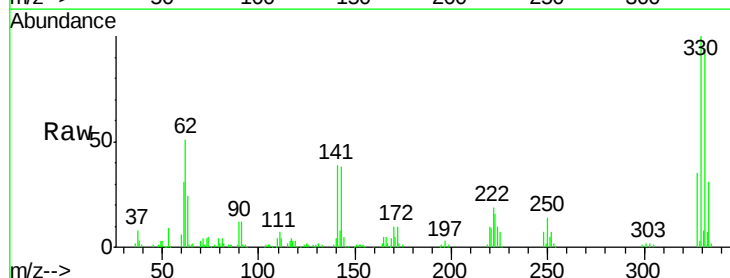
Instrument :
BNA_F
ClientSampleId :
PB91940TB

Tgt Ion:188 Resp: 307053
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.6
80 14.6 10.0 15.0



#66
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.55 min Scan# 784
Delta R.T. -0.25 min
Lab File: BF088859.D
Acq: 9 Jul 2016 8:02

Tgt Ion:248 Resp: 12211
Ion Ratio Lower Upper
248 100
250 192.8 77.1 115.7#
141 529.9 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

Instrument :

BNA_F

ClientSampleId :

PB91940TB

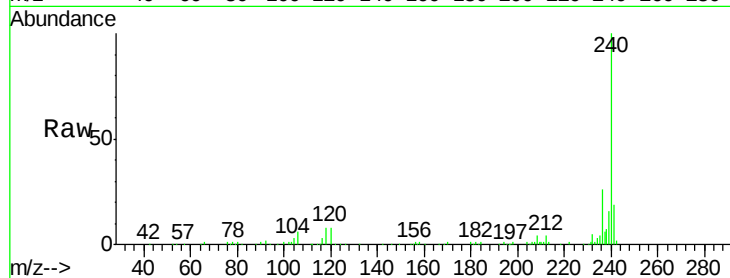
Tgt Ion:240 Resp: 212084

Ion Ratio Lower Upper

240 100

120 8.5 6.8 10.2

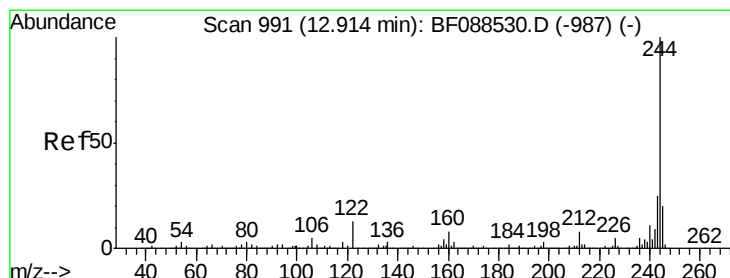
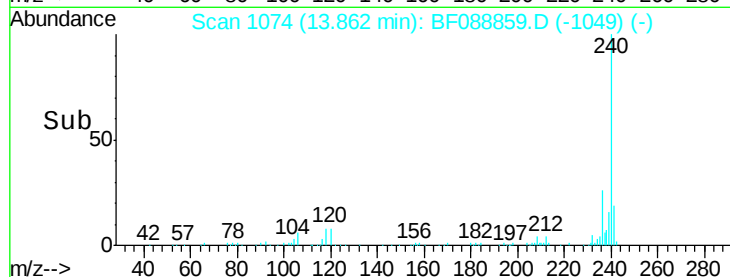
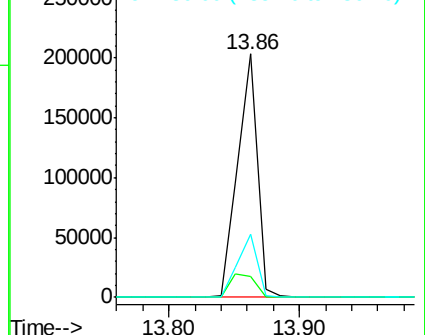
236 25.7 20.2 30.2



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: 72.05 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088859.D

Acq: 9 Jul 2016 8:02

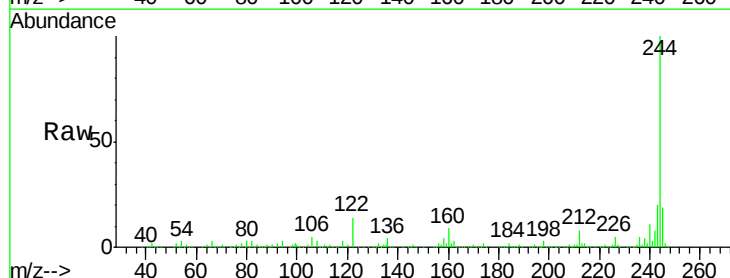
Tgt Ion:244 Resp: 686035

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

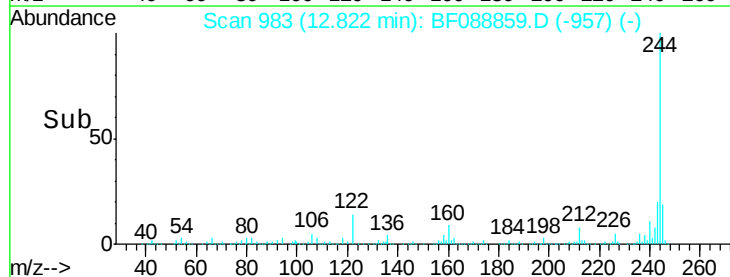
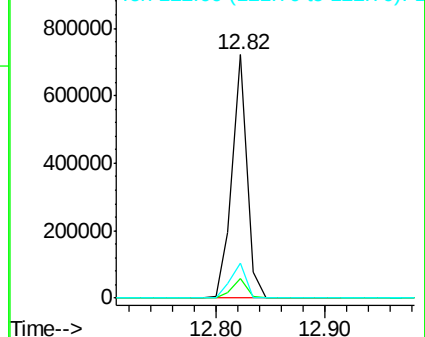
122 14.1 11.2 16.8

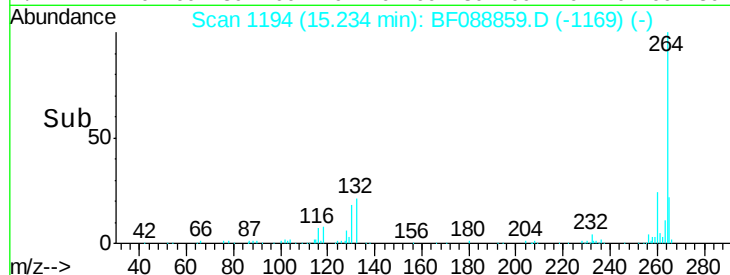
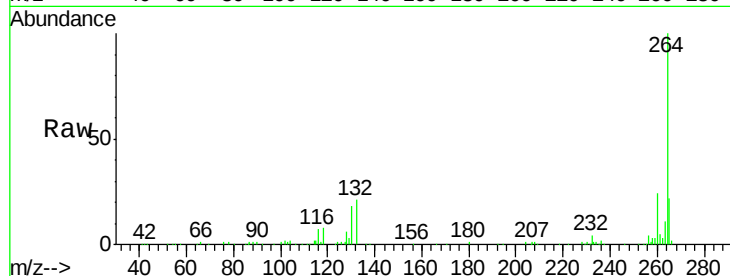
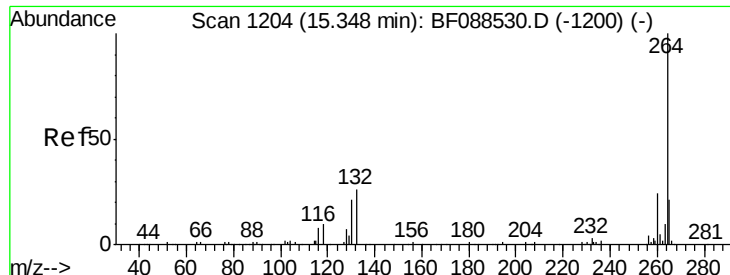


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088859.D
Acq: 9 Jul 2016 8:02

Instrument :
BNA_F
ClientSampleId :
PB91940TB

Tgt Ion:	264	Resp:	185635
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	22.1	16.9	25.3

