

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070816\
 Data File : BF088826.D
 Acq On : 8 Jul 2016 15:29
 Operator : UM/SJ
 Sample : PB91867BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91867BL

Quant Time: Jul 08 18:56:02 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

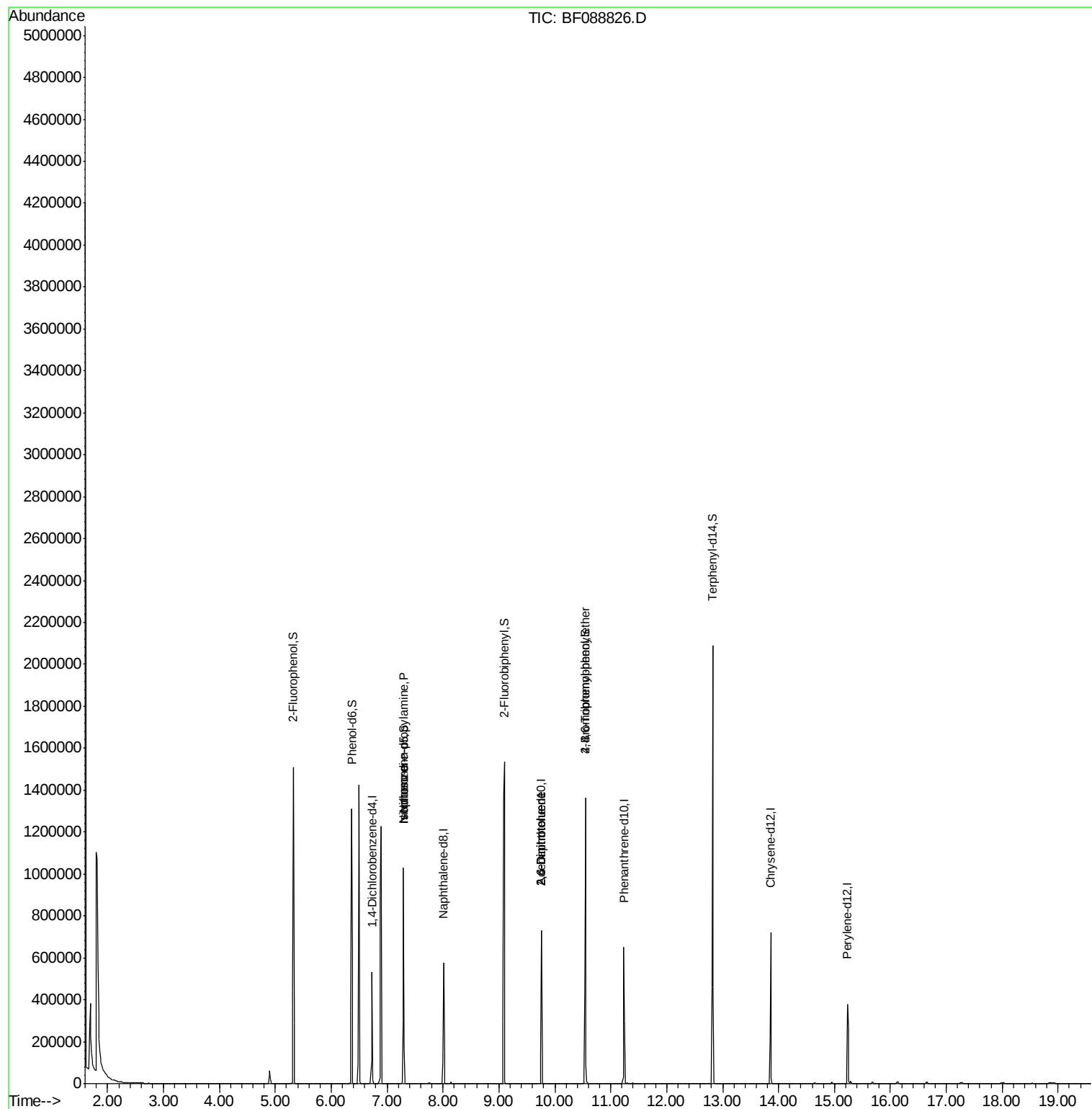
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	75169	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	283445	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	141474	20.00	ng	-0.06
63) Phenanthrene-d10	11.23	188	268599	20.00	ng	-0.06
75) Chrysene-d12	13.86	240	242036	20.00	ng	-0.06
86) Perylene-d12	15.23	264	184009	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	454424	90.60	ng	-0.05
7) Phenol-d6	6.36	99	603971	93.19	ng	-0.05
23) Nitrobenzene-d5	7.29	82	368545	68.14	ng	-0.06
41) 2,4,6-Tribromophenol	10.55	330	151923	115.64	ng	-0.06
44) 2-Fluorobiphenyl	9.10	172	764788	85.39	ng	-0.05
78) Terphenyl-d14	12.82	244	659339	60.68	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	49122	11.28	ng	# 71
25) Isophorone	7.29	82	293516	29.30	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	17784	7.96	ng	# 39
56) 2,4-Dinitrotoluene	9.76	165	17785	6.09	ng	# 37
66) 4-Bromophenyl-phenylether	10.55	248	10942	4.04	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. -0.05 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

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PB91867BL

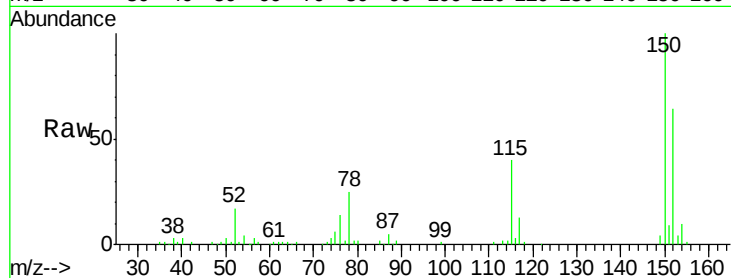
Tgt Ion:152 Resp: 75169

Ion Ratio Lower Upper

152 100

150 157.4 123.8 185.6

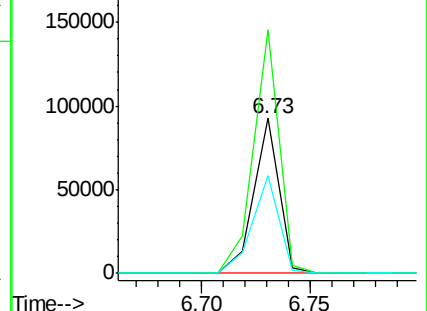
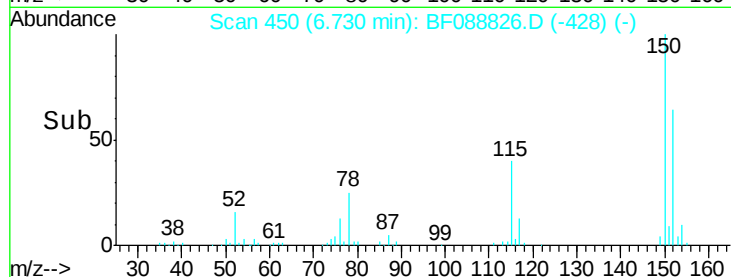
115 63.3 39.6 59.4#



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: 90.60 ng

RT: 5.32 min Scan# 327

Delta R.T. -0.05 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

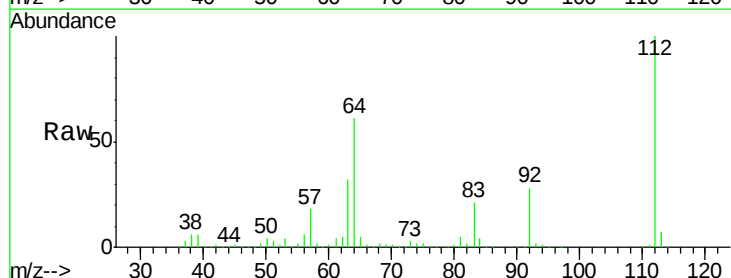
Tgt Ion:112 Resp: 454424

Ion Ratio Lower Upper

112 100

64 60.5 42.2 63.2

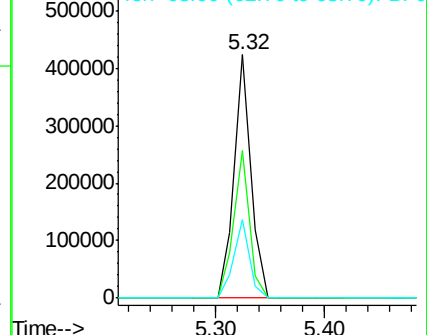
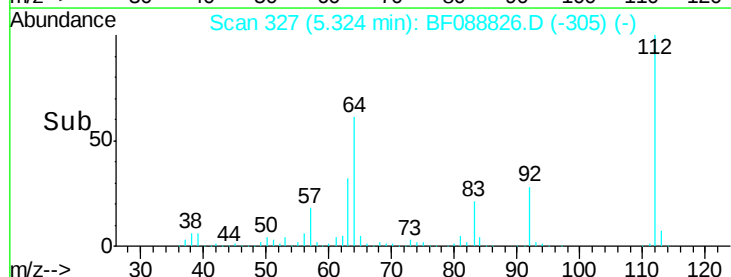
63 32.1 21.8 32.8



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: 93.19 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.05 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

ClientSampleId :

PB91867BL

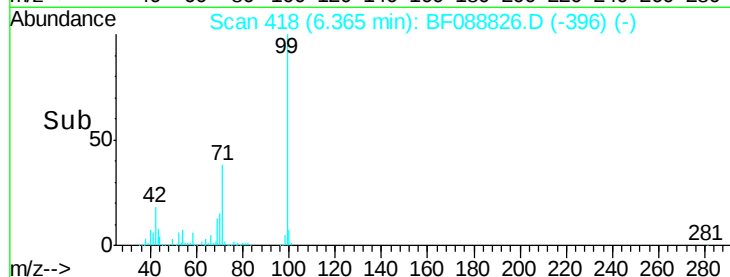
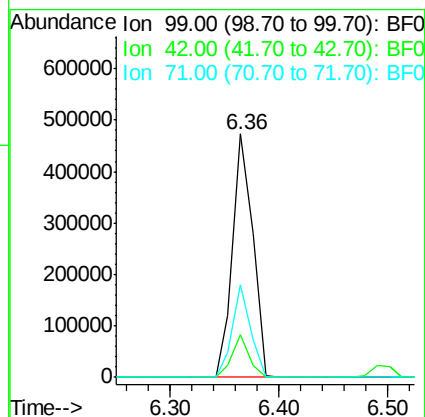
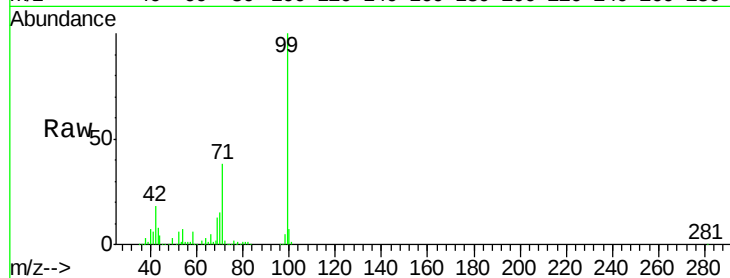
Tgt Ion: 99 Resp: 603971

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

71 38.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.28 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.09 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Tgt Ion: 70 Resp: 49122

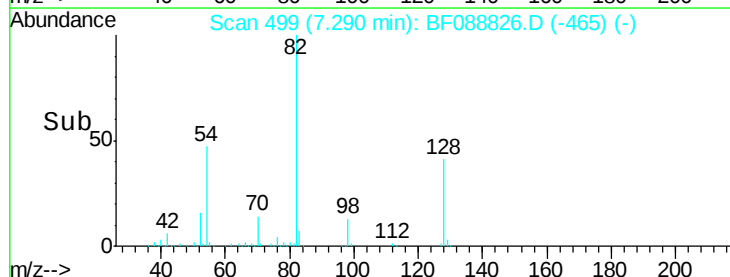
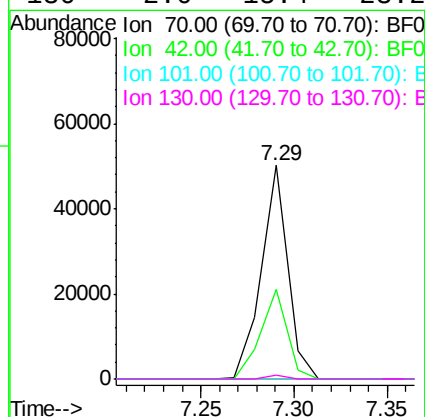
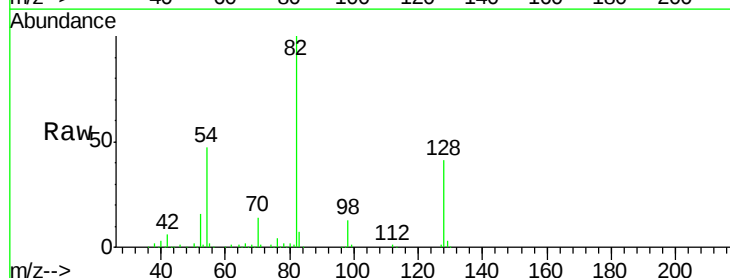
Ion Ratio Lower Upper

70 100

42 41.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.06 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

ClientSampleId :

PB91867BL

Tgt Ion:136 Resp: 283445

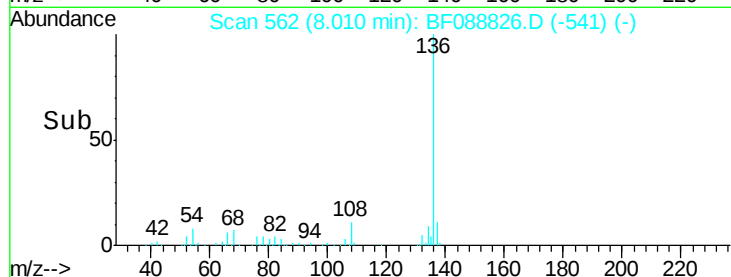
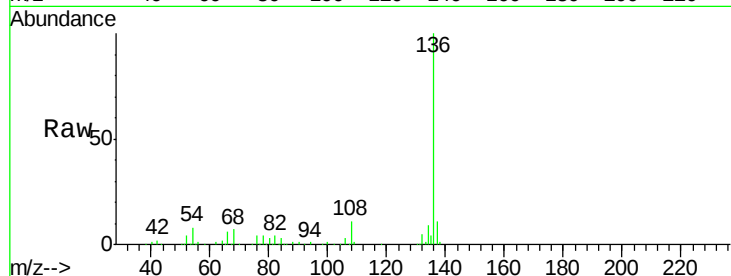
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.8 6.6 10.0

68 6.6 5.1 7.7



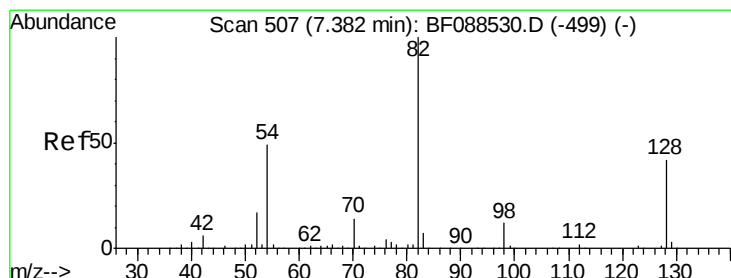
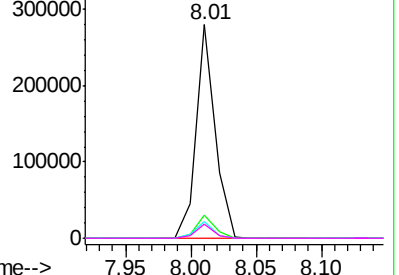
Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.14 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.06 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

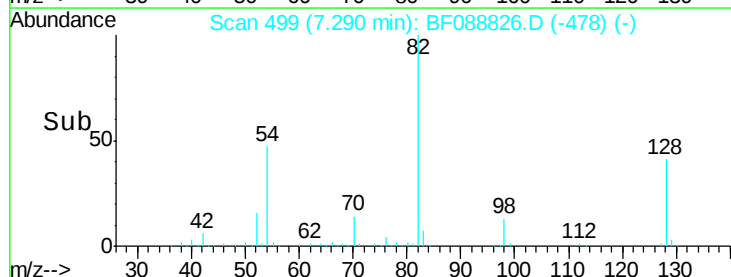
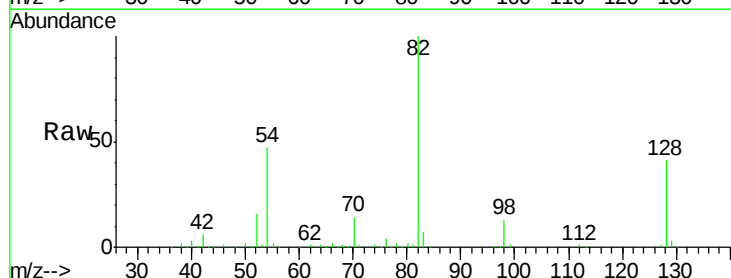
Tgt Ion: 82 Resp: 368545

Ion Ratio Lower Upper

82 100

128 41.5 35.9 53.9

54 46.9 40.9 61.3

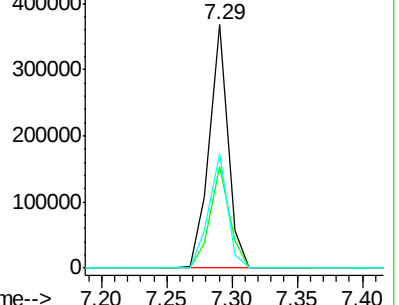


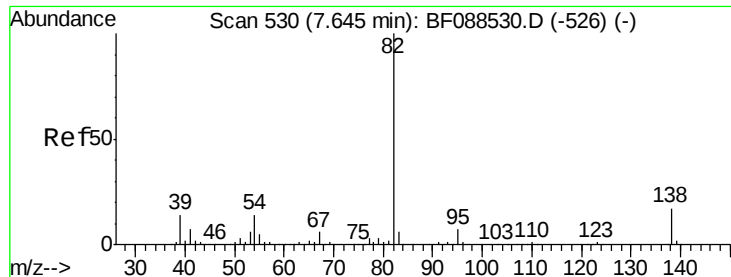
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 29.30 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.32 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

ClientSampleId :

PB91867BL

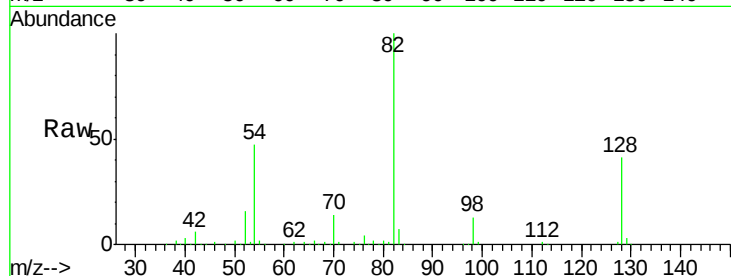
Tgt Ion: 82 Resp: 293516

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

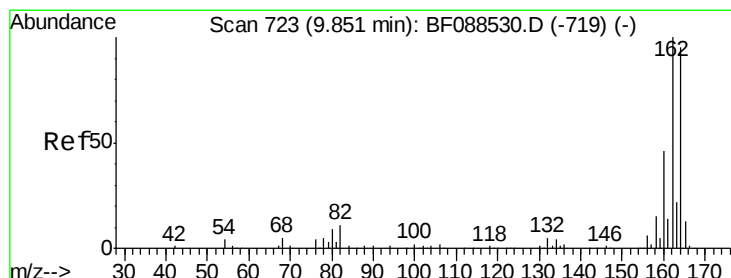
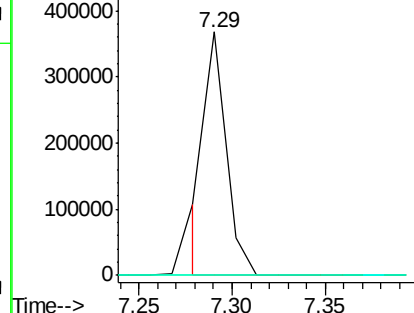
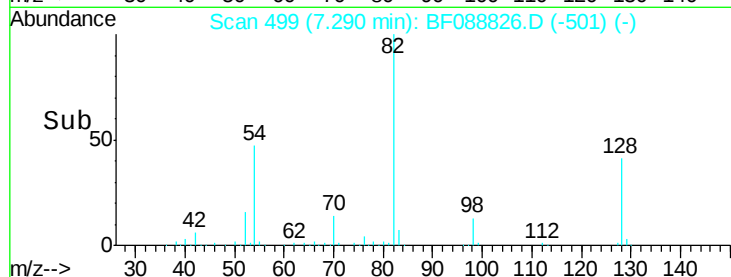
138 0.0 14.6 21.8#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.06 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

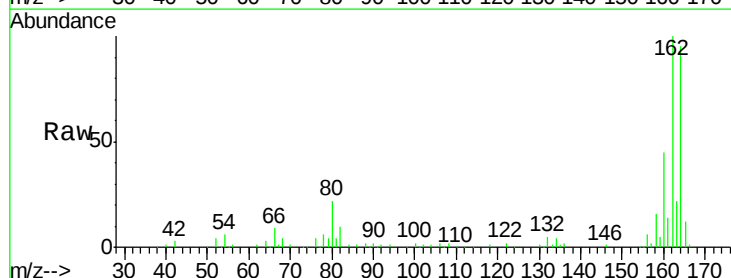
Tgt Ion: 164 Resp: 141474

Ion Ratio Lower Upper

164 100

162 104.8 85.4 128.2

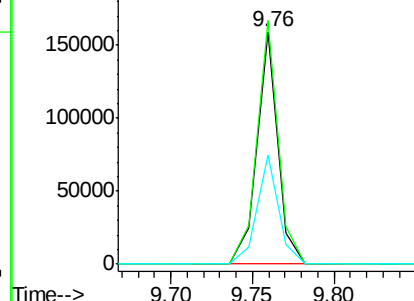
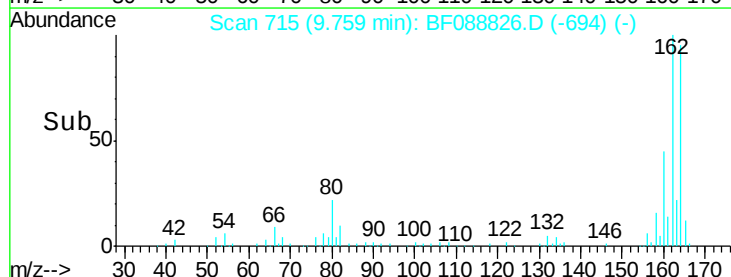
160 47.2 39.5 59.3



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

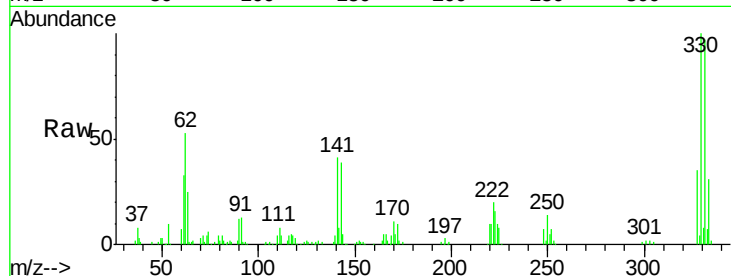




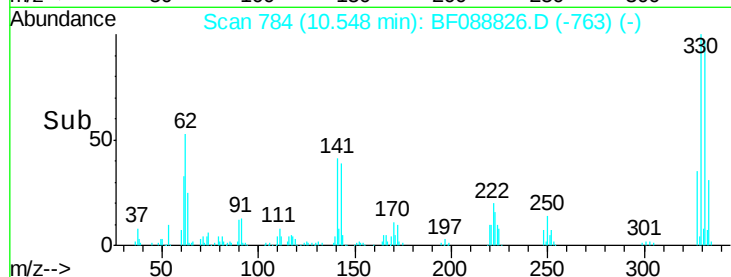
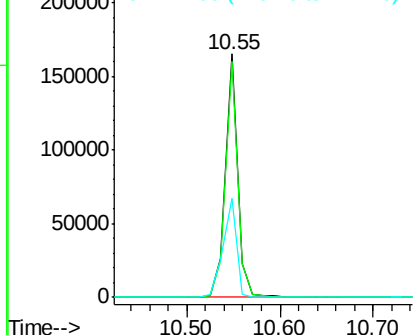
#41
 2,4,6-Tribromophenol
 Concen: 115.64 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.06 min
 Lab File: BF088826.D
 Acq: 8 Jul 2016 15:29

Instrument :
 BNA_F
 ClientSampleId :
 PB91867BL

Tgt Ion:330 Resp: 151923
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 43.8 0.0 0.0#

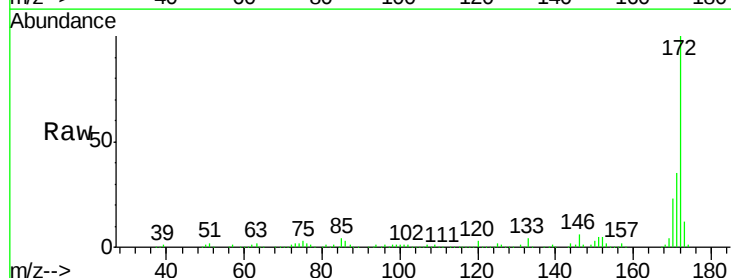


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

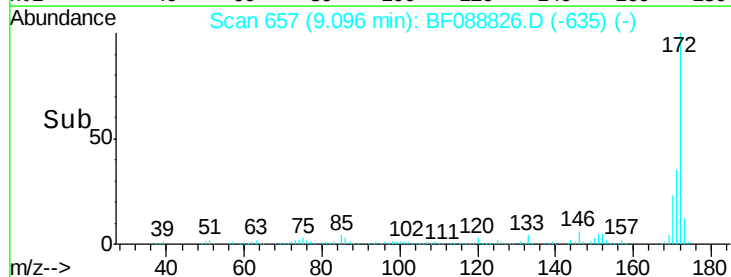
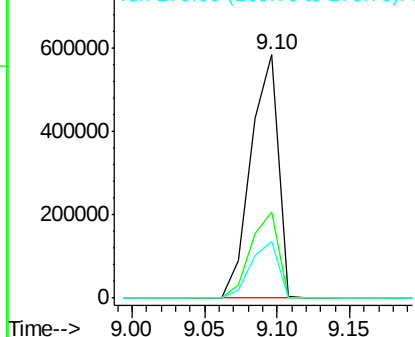


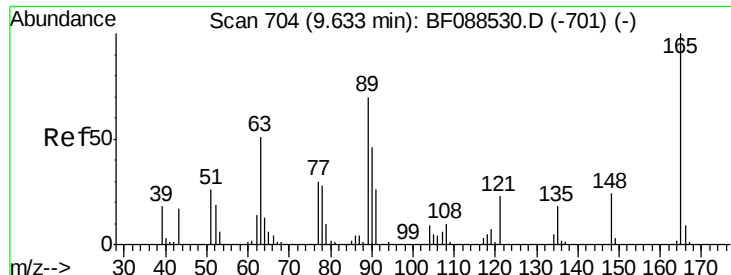
#44
 2-Fluorobiphenyl
 Concen: 85.39 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.05 min
 Lab File: BF088826.D
 Acq: 8 Jul 2016 15:29

Tgt Ion:172 Resp: 764788
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.5 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: 7.96 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.16 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

ClientSampleId :

PB91867BL

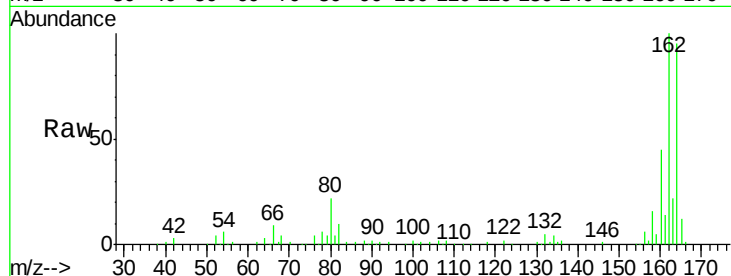
Tgt Ion:165 Resp: 17784

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

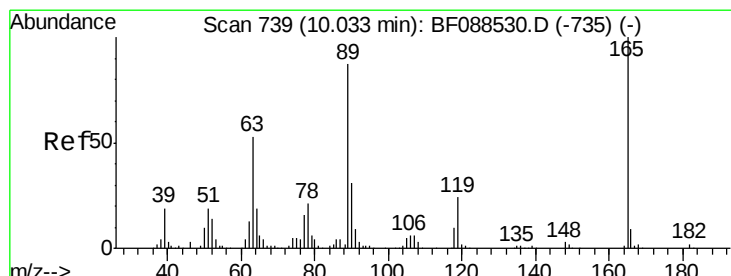
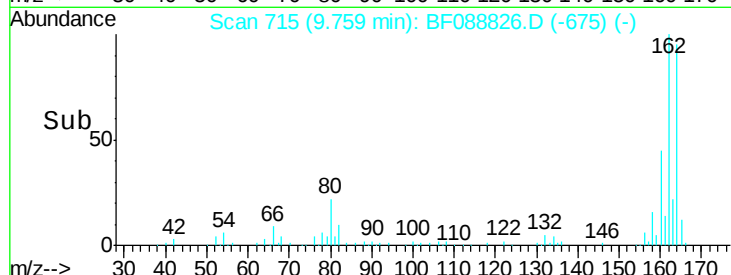
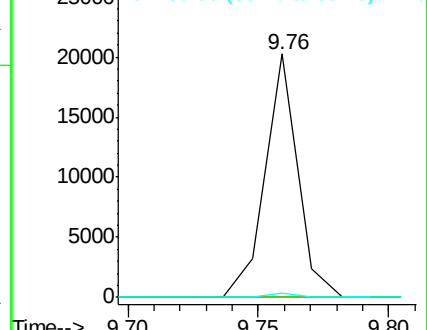
89 1.7 32.2 48.2#



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: 6.09 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.24 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Tgt Ion:165 Resp: 17785

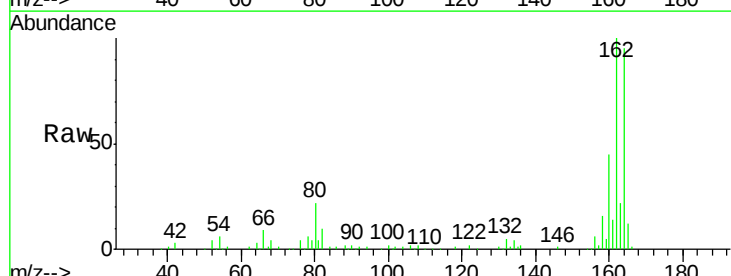
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

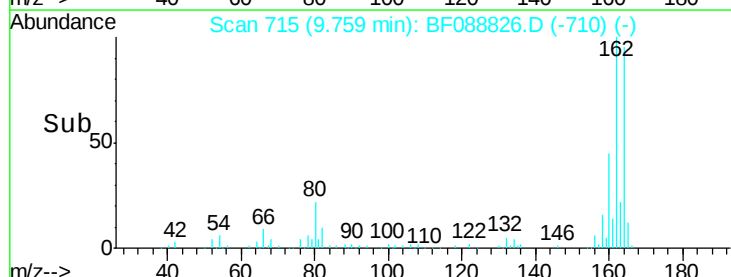
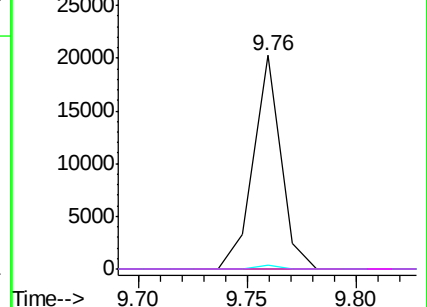


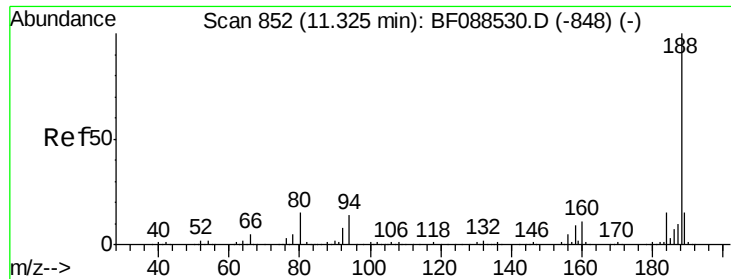
Abundance Ion 165.00 (164.70 to 165.70): E

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

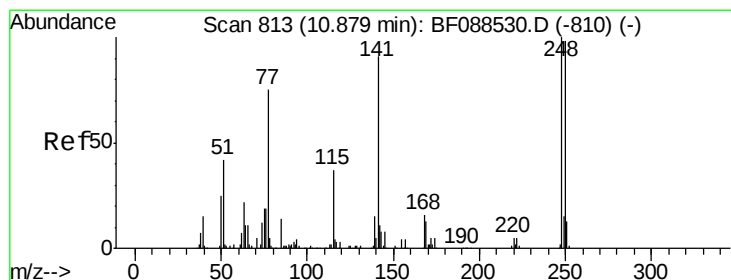
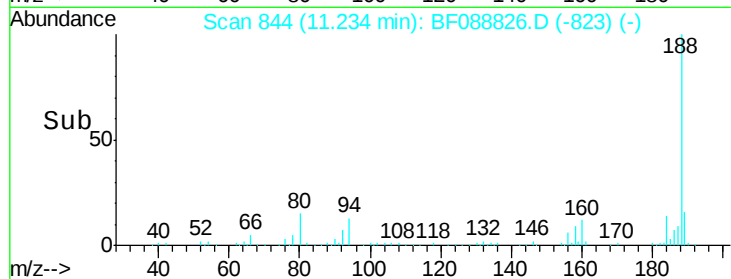
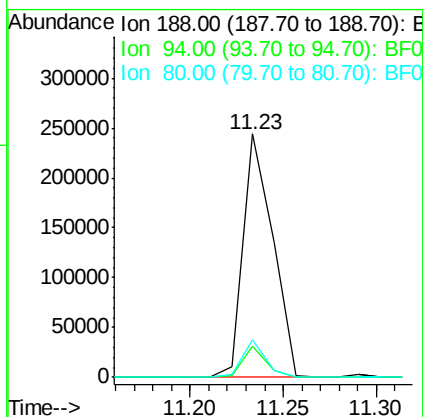
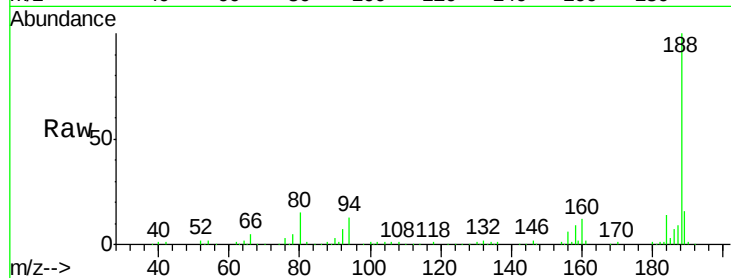




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.06 min
 Lab File: BF088826.D
 Acq: 8 Jul 2016 15:29

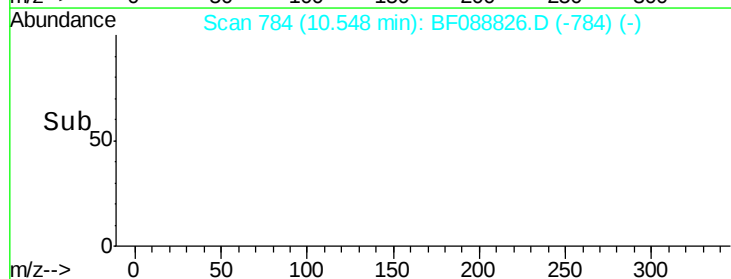
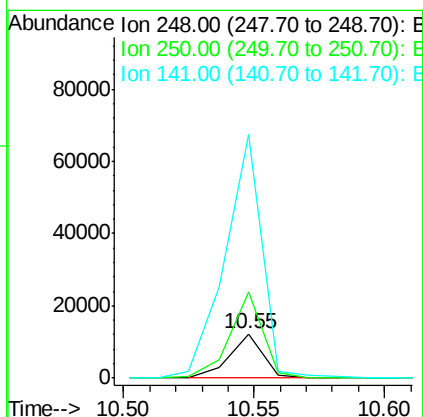
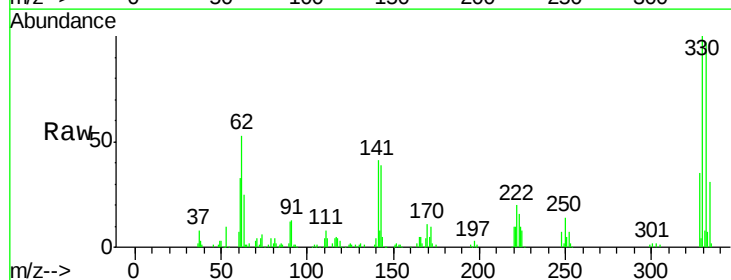
Instrument :
 BNA_F
 ClientSampleId :
 PB91867BL

Tgt Ion:188 Resp: 268599
 Ion Ratio Lower Upper
 188 100
 94 12.9 9.0 13.6
 80 15.2 10.0 15.0#



#66
 4-Bromophenyl-phenylether
 Concen: 4.04 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.30 min
 Lab File: BF088826.D
 Acq: 8 Jul 2016 15:29

Tgt Ion:248 Resp: 10942
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.1 115.7#
 141 547.1 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.06 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

Instrument :

BNA_F

ClientSampleId :

PB91867BL

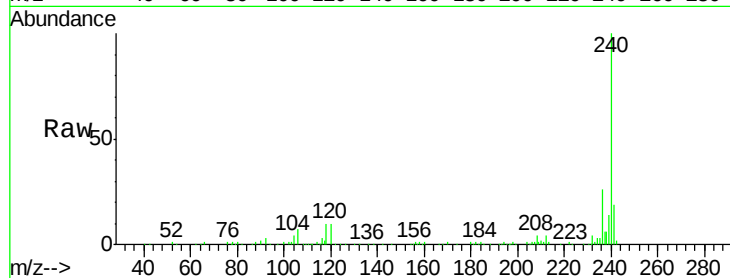
Tgt Ion:240 Resp: 242036

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

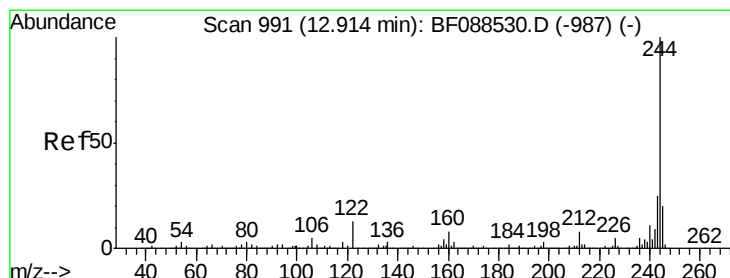
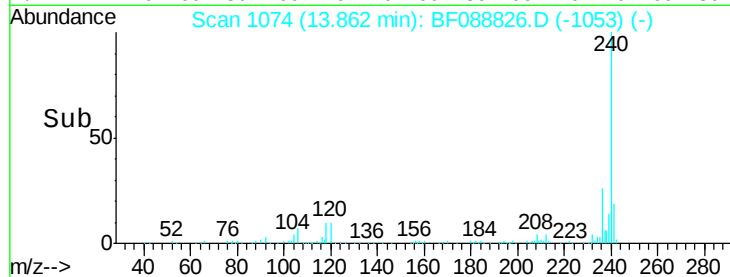
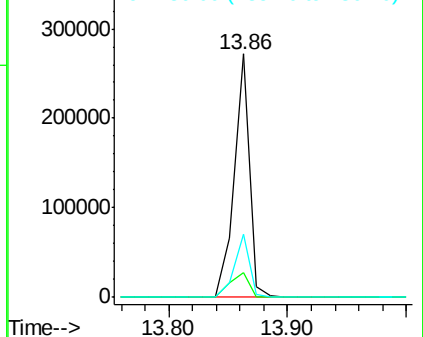
236 25.9 20.2 30.2



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



#78

Terphenyl-d14

Concen: 60.68 ng

RT: 12.82 min Scan# 983

Delta R.T. -0.05 min

Lab File: BF088826.D

Acq: 8 Jul 2016 15:29

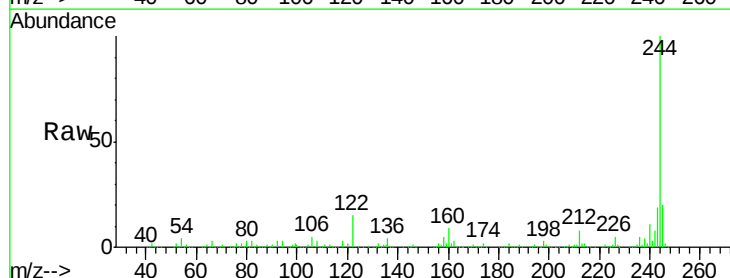
Tgt Ion:244 Resp: 659339

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

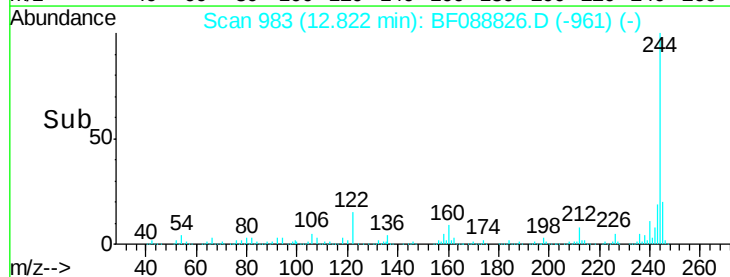
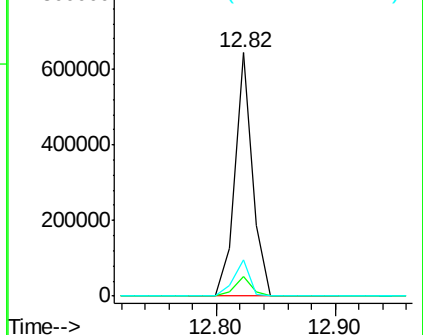
122 15.1 11.2 16.8

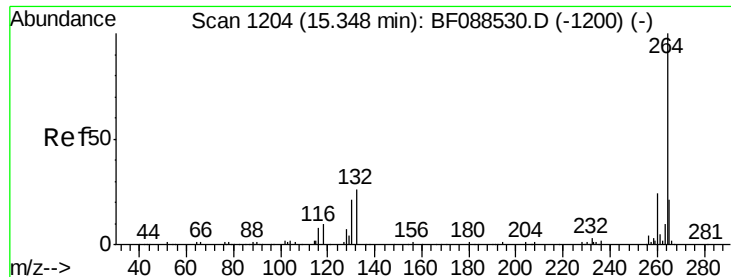


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

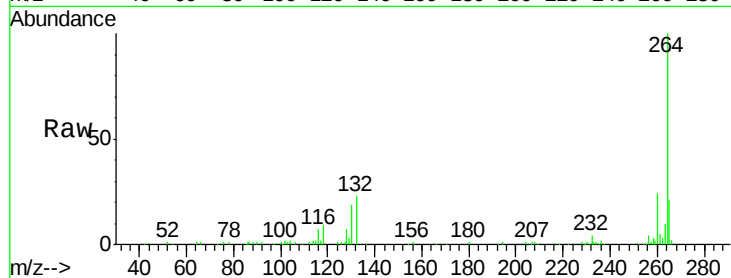




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.07 min
Lab File: BF088826.D
Acq: 8 Jul 2016 15:29

Instrument :
BNA_F
ClientSampleId :
PB91867BL

Tgt Ion: 264 Resp: 184009
Ion Ratio Lower Upper
264 100
260 23.7 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

