

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089159.D
 Acq On : 21 Jul 2016 4:50
 Operator : UM/SJ
 Sample : PB91543BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91543BL

Quant Time: Jul 21 07:24:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

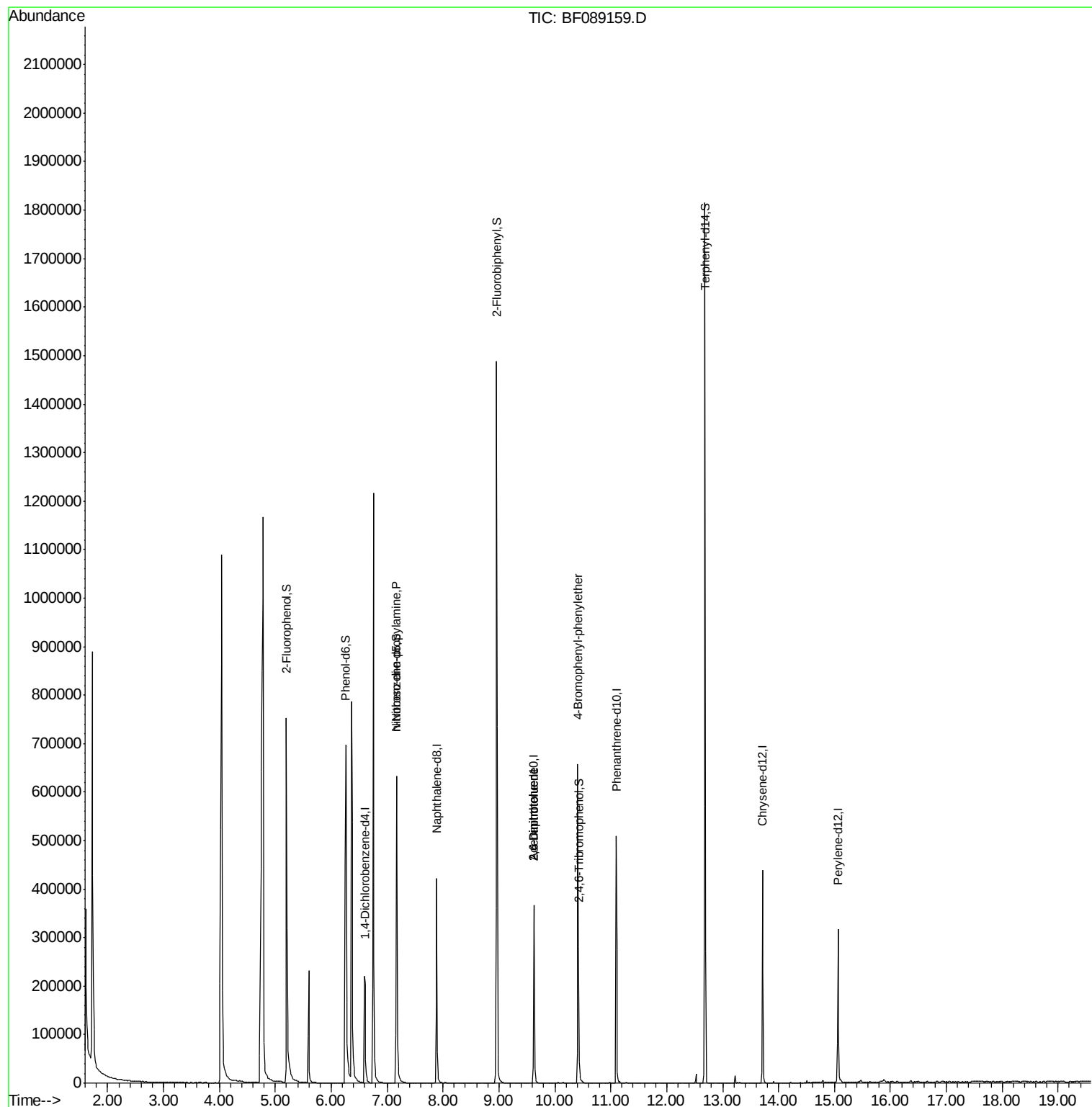
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	58422	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	246327	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	111962	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	233013	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	173110	20.00	ng	-0.01
86) Perylene-d12	15.06	264	132151	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	297383	77.42	ng	0.01
7) Phenol-d6	6.26	99	407209	82.20	ng	-0.01
23) Nitrobenzene-d5	7.16	82	358276	77.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	80837	80.19	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	642413	79.06	ng	-0.01
78) Terphenyl-d14	12.69	244	568495	71.23	ng	0.00
Target Compounds						
9) Benzaldehyde	6.26	77	288	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	47315	14.60	ng	# 81
50) 2,6-Dinitrotoluene	9.62	165	14009	7.22	ng	# 28
56) 2,4-Dinitrotoluene	9.62	165	14009	5.61	ng	# 10
66) 4-Bromophenyl-phenylether	10.41	248	5860	2.54	ng	# 1

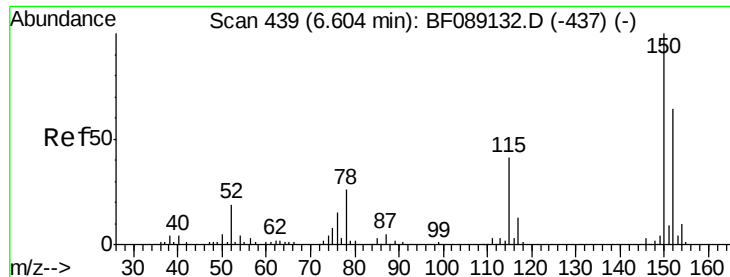
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

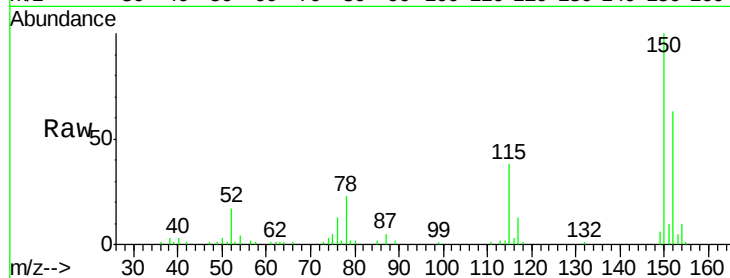
Tgt Ion:152 Resp: 58422

Ion Ratio Lower Upper

152 100

150 157.6 125.1 187.7

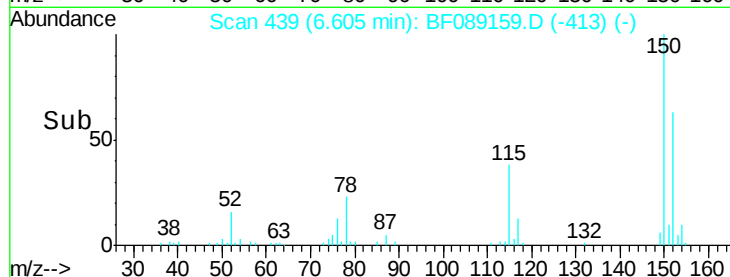
115 60.3 51.1 76.7



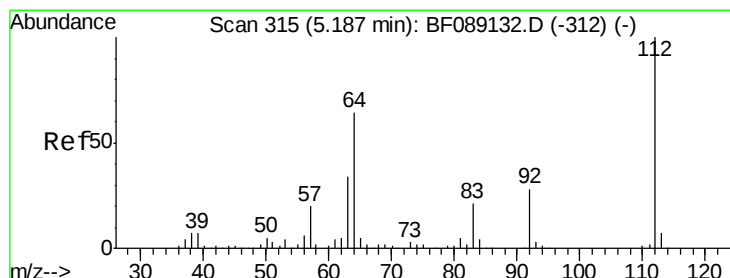
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 77.42 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

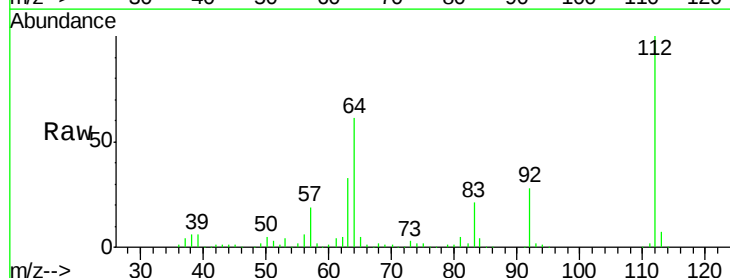
Tgt Ion:112 Resp: 297383

Ion Ratio Lower Upper

112 100

64 61.3 51.0 76.4

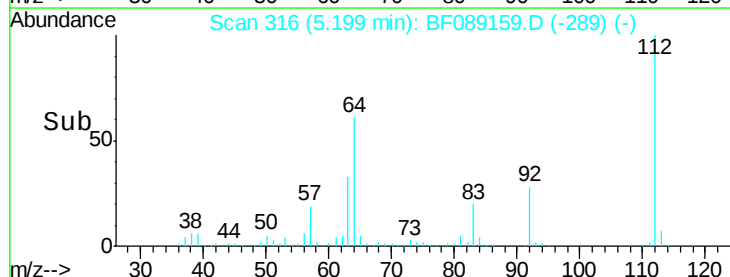
63 33.2 27.3 40.9



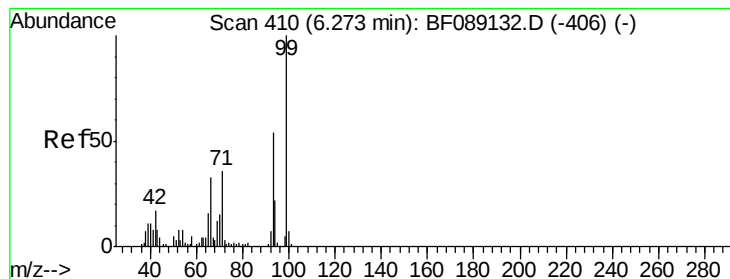
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 82.20 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

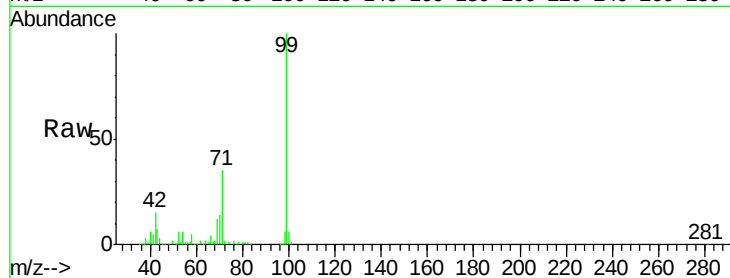
Tgt Ion: 99 Resp: 407209

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

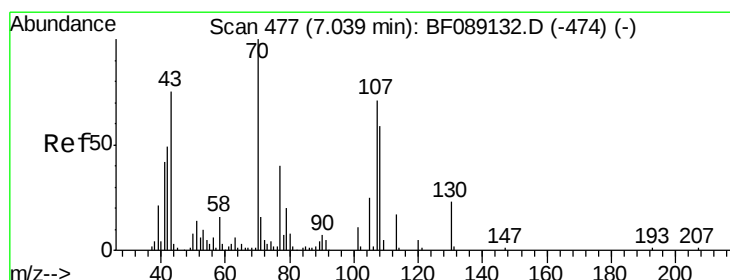
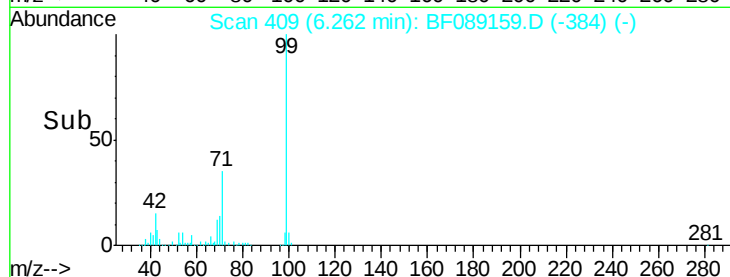
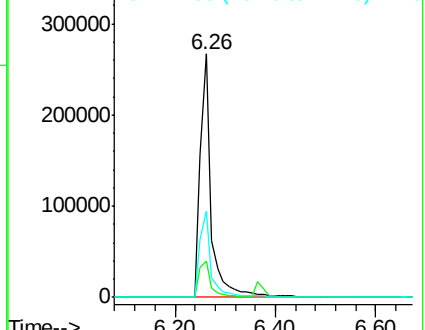
71 35.3 28.9 43.3



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: 14.60 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Tgt Ion: 70 Resp: 47315

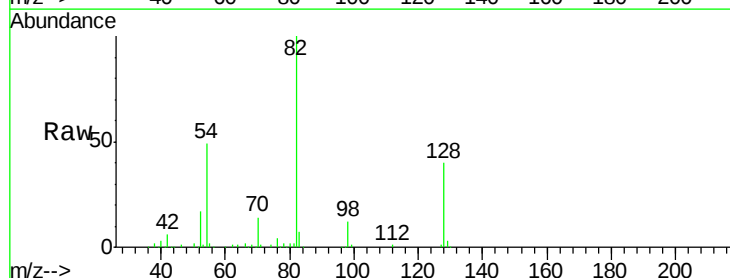
Ion Ratio Lower Upper

70 100

42 44.9 39.2 58.8

101 0.0 8.5 12.7#

130 1.7 18.4 27.6#

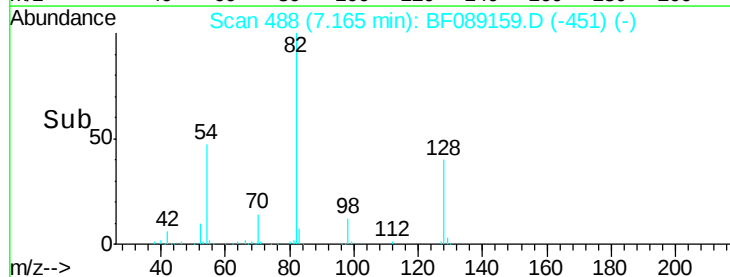
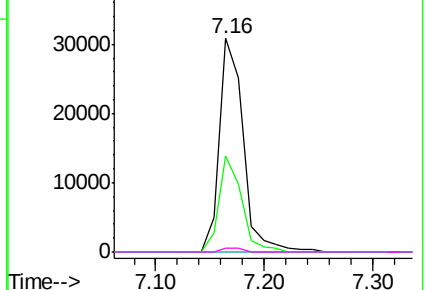


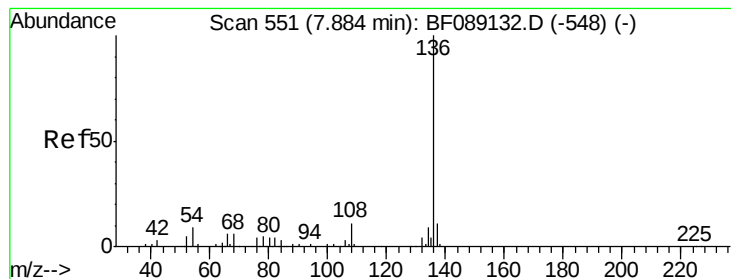
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

Tgt Ion: 136 Resp: 246327

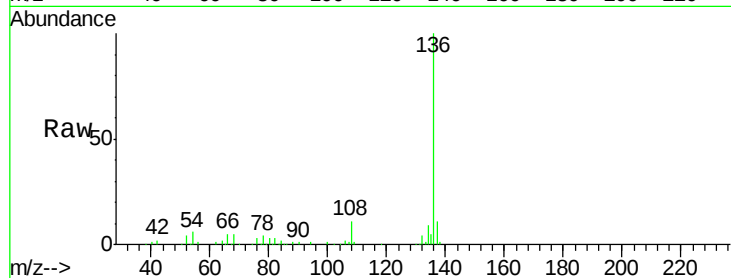
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.2 7.0 10.4#

68 5.0 5.0 7.6#

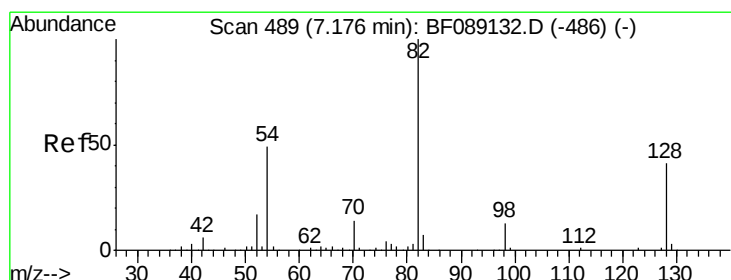
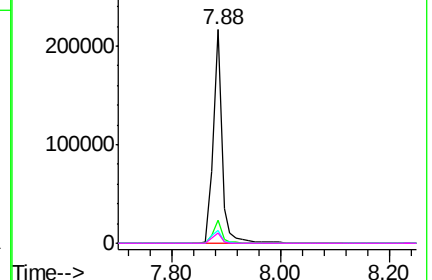
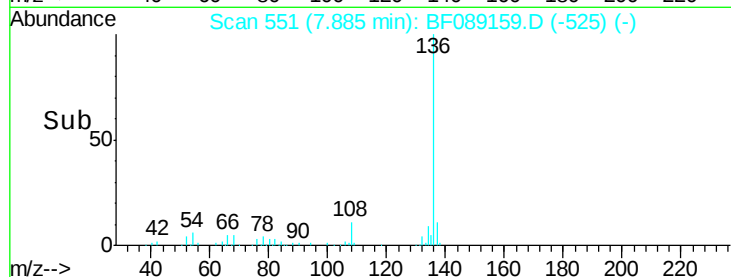


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.28 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

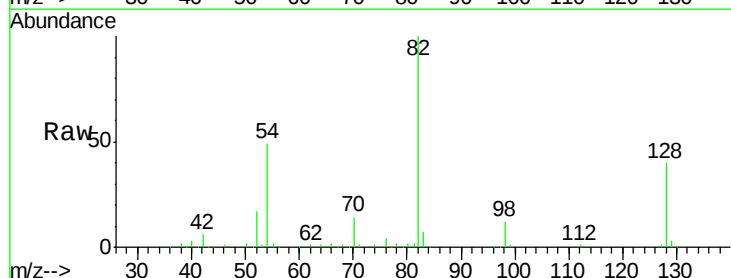
Tgt Ion: 82 Resp: 358276

Ion Ratio Lower Upper

82 100

128 39.8 33.0 49.6

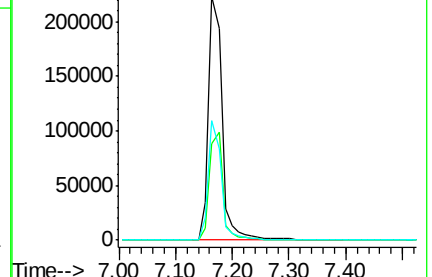
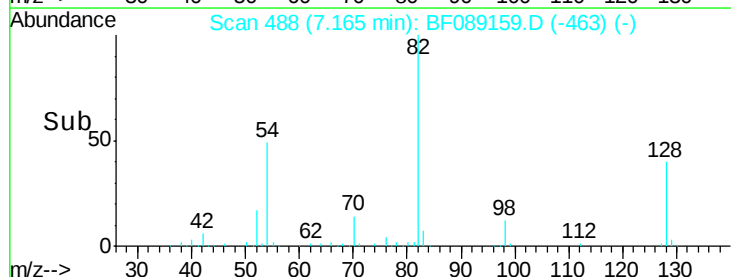
54 49.0 39.0 58.4

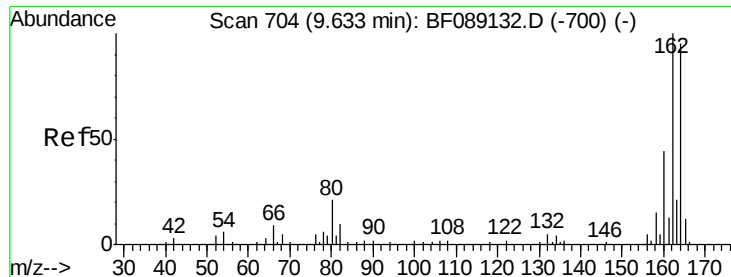


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

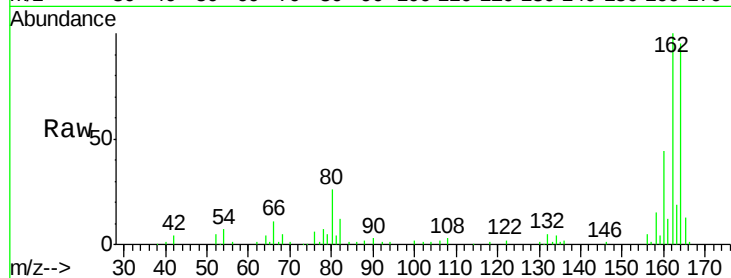
Tgt Ion:164 Resp: 111962

Ion Ratio Lower Upper

164 100

162 105.1 84.1 126.1

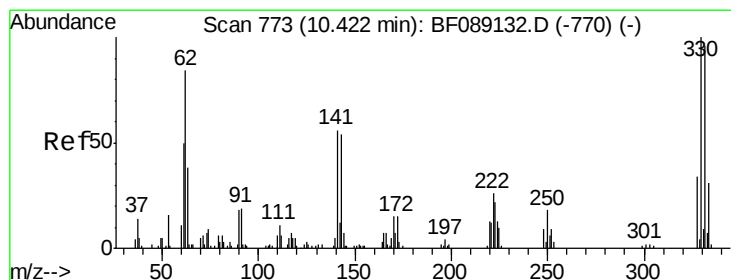
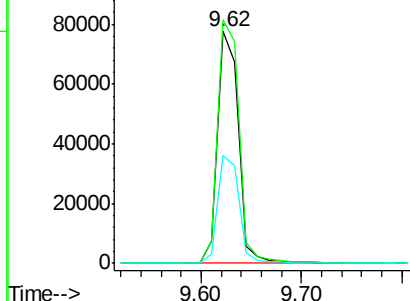
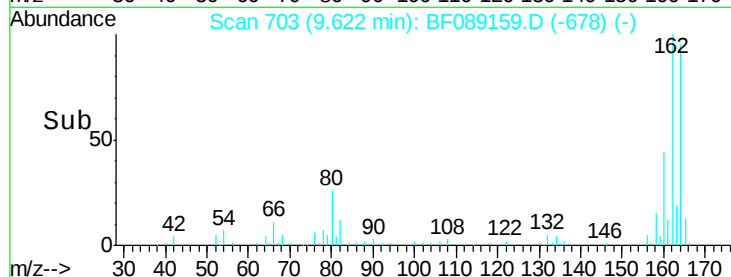
160 46.4 37.1 55.7



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: 80.19 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

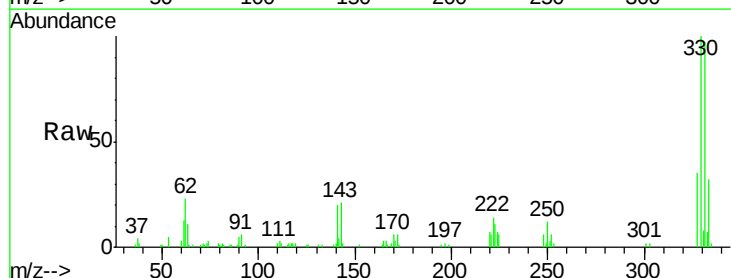
Tgt Ion:330 Resp: 80837

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

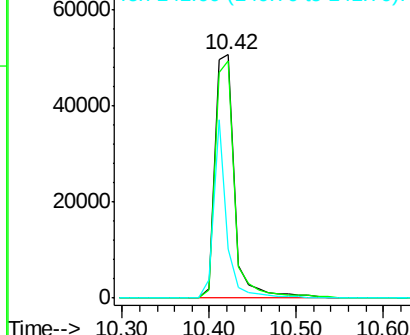
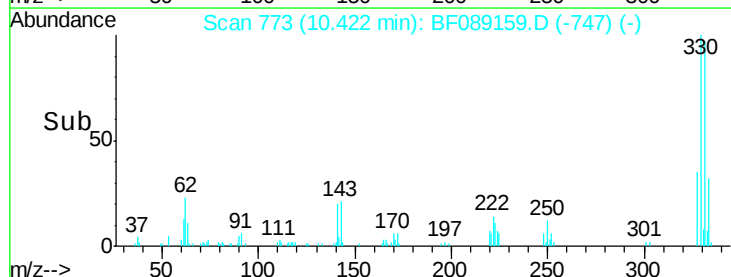
141 48.1 42.2 63.2

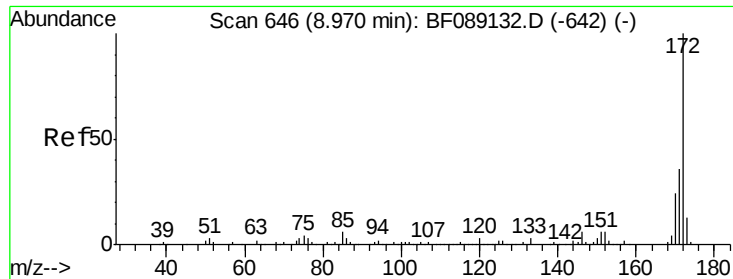


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 79.06 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

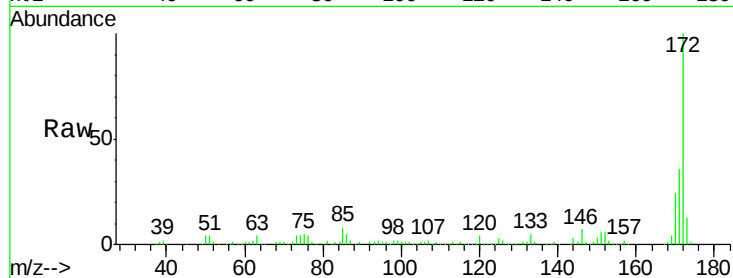
Tgt Ion:172 Resp: 642413

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

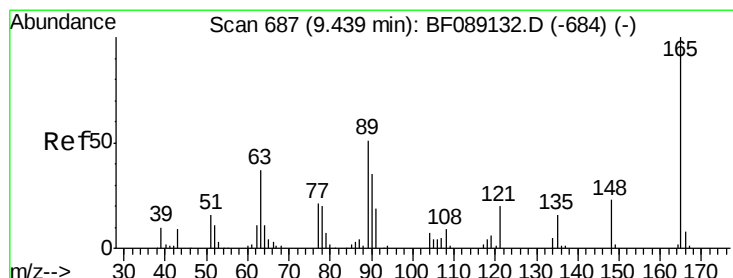
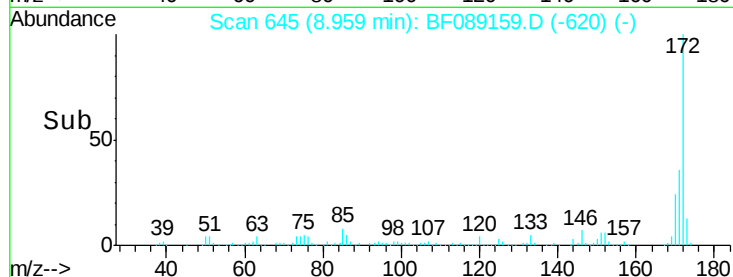
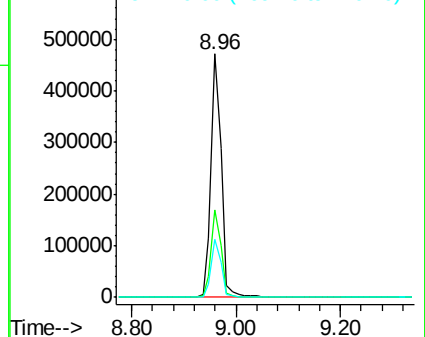
170 23.6 19.1 28.7



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: 7.22 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.18 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

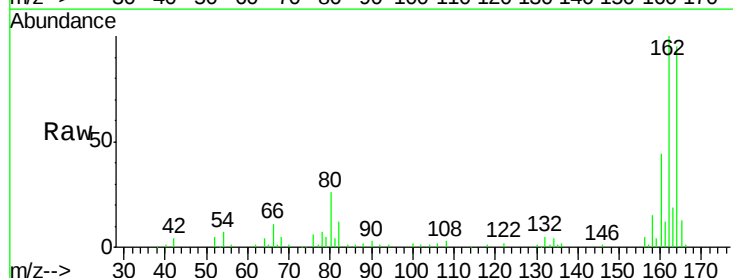
Tgt Ion:165 Resp: 14009

Ion Ratio Lower Upper

165 100

63 0.0 37.0 55.4#

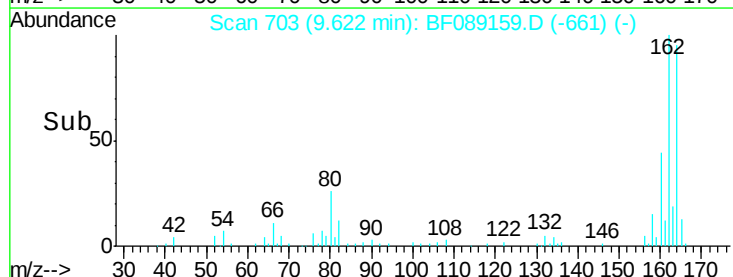
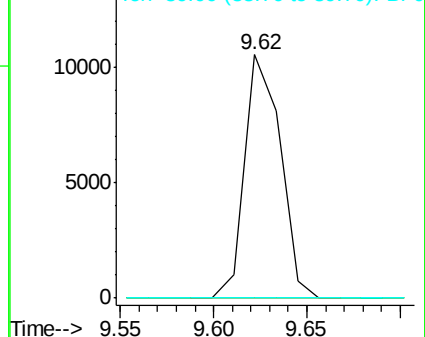
89 0.0 40.9 61.3#

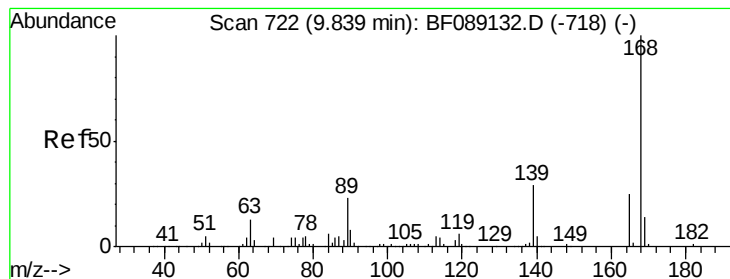


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.61 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.22 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

Tgt Ion:165 Resp: 14009

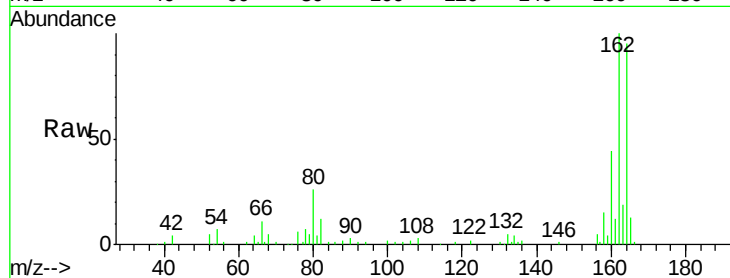
Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.2#

89 0.0 74.3 111.5#

182 0.0 2.0 3.0#

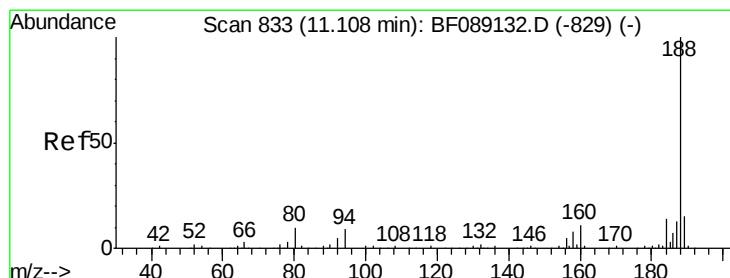
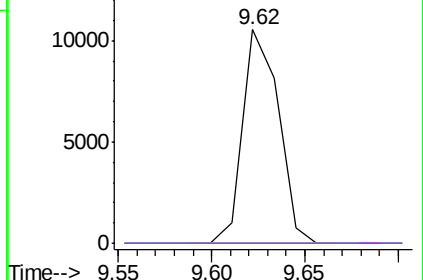
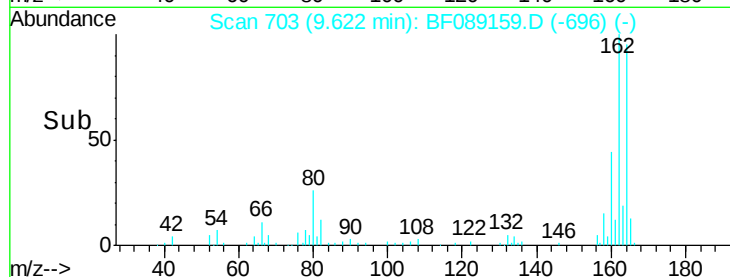


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.10 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

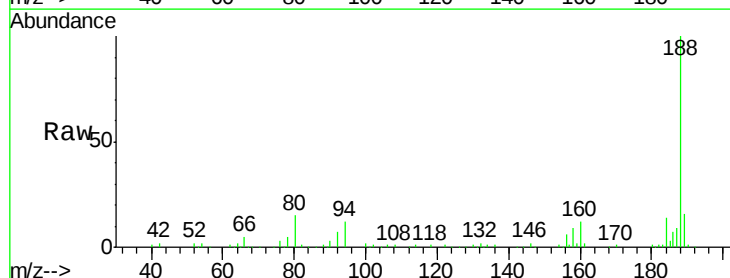
Tgt Ion:188 Resp: 233013

Ion Ratio Lower Upper

188 100

94 11.9 7.0 10.4#

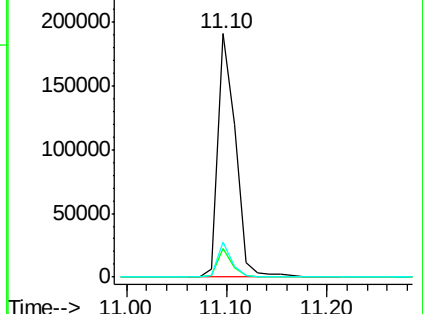
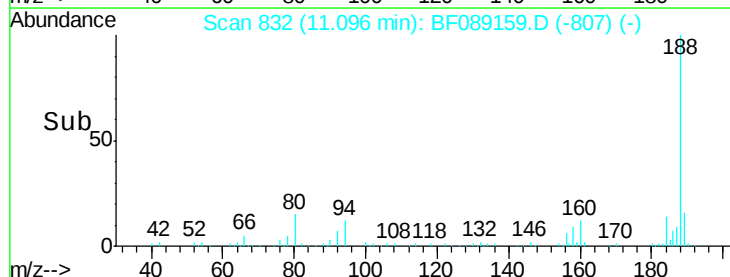
80 14.5 7.7 11.5#

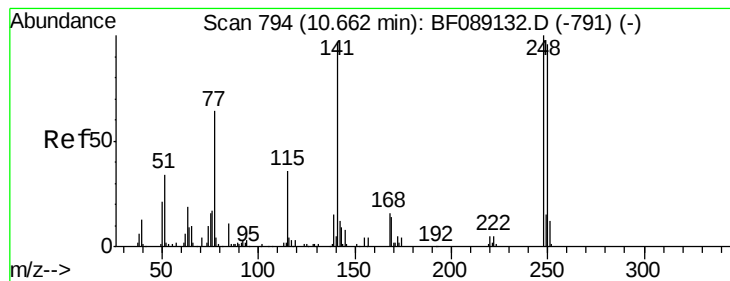


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.54 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.25 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

Instrument :

BNA_F

ClientSampleId :

PB91543BL

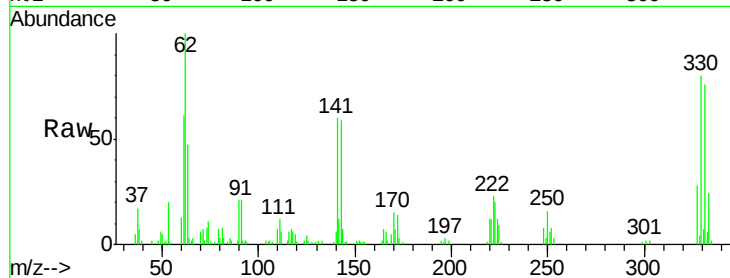
Tgt Ion:248 Resp: 5860

Ion Ratio Lower Upper

248 100

250 197.6 76.9 115.3#

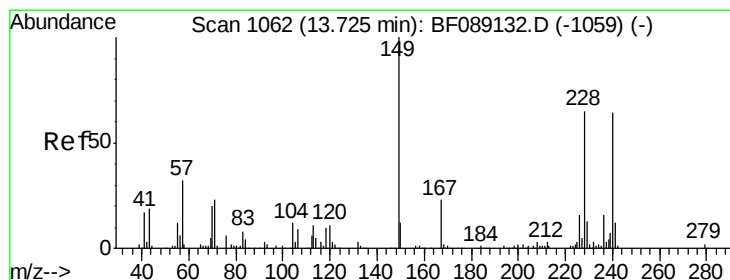
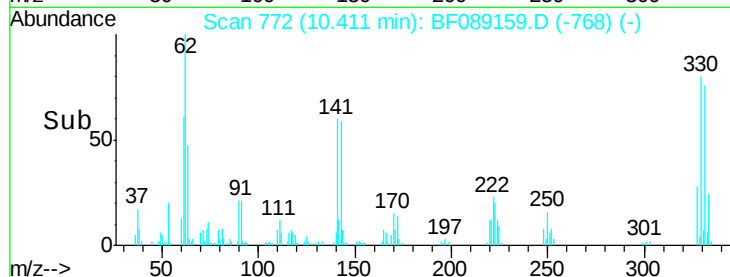
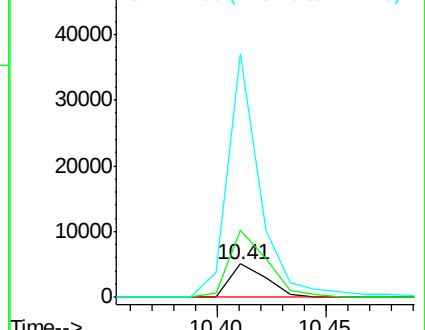
141 724.1 77.4 116.2#



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: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089159.D

Acq: 21 Jul 2016 4:50

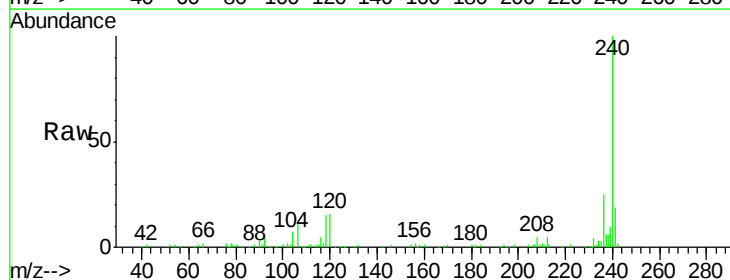
Tgt Ion:240 Resp: 173110

Ion Ratio Lower Upper

240 100

120 16.5 13.6 20.4

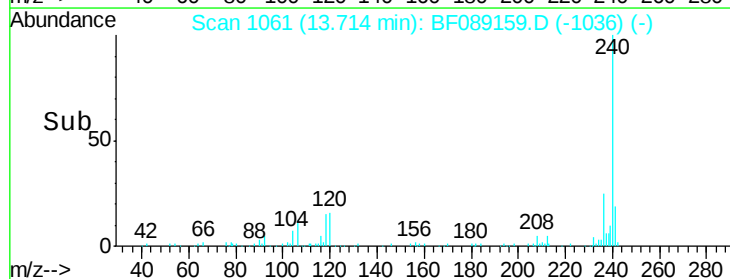
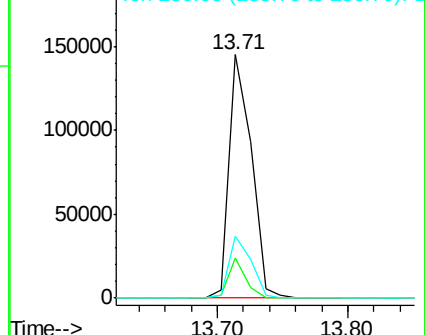
236 25.1 20.5 30.7

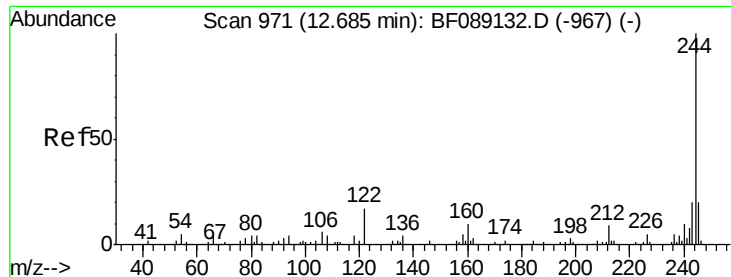


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

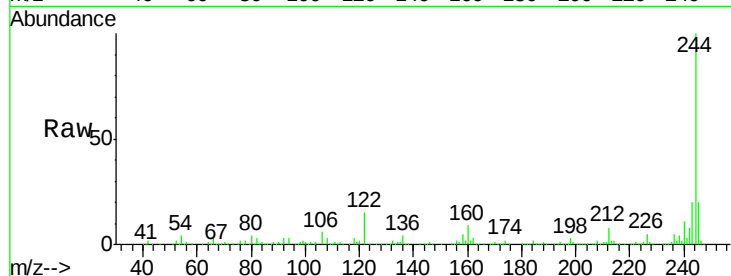




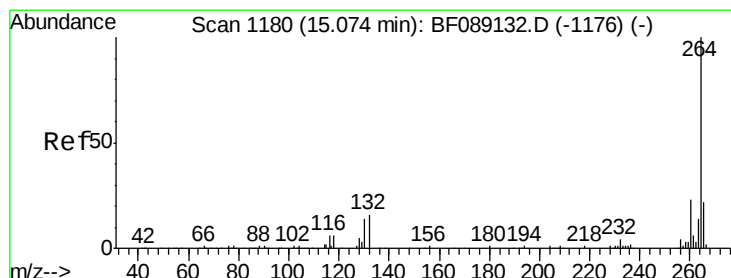
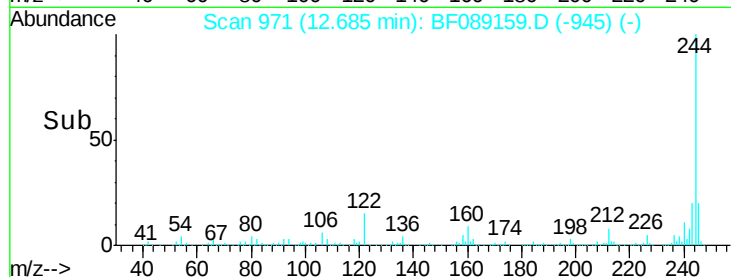
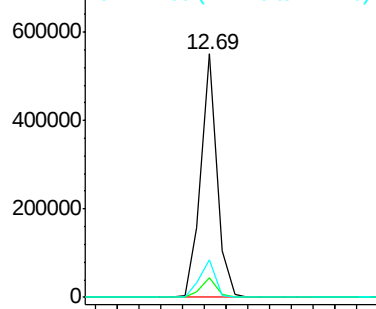
#78
 Terphenyl-d14
 Concen: 71.23 ng
 RT: 12.69 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF089159.D
 Acq: 21 Jul 2016 4:50

Instrument :
 BNA_F
 ClientSampleId :
 PB91543BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.4
122	15.3	13.8	20.8

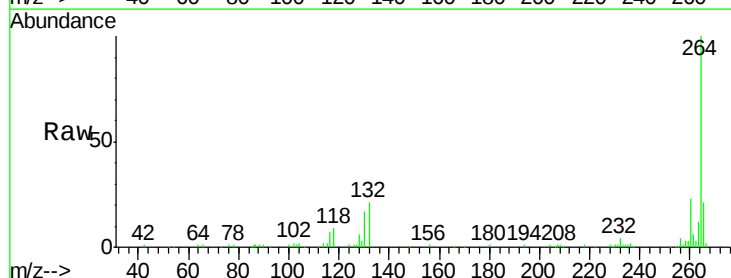


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF089159.D
 Acq: 21 Jul 2016 4:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.4	17.3	25.9



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

