

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087123.D
 Acq On : 18 May 2016 1:21
 Operator : UM/SJ
 Sample : PB90662BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90662BL

Quant Time: May 18 01:53:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

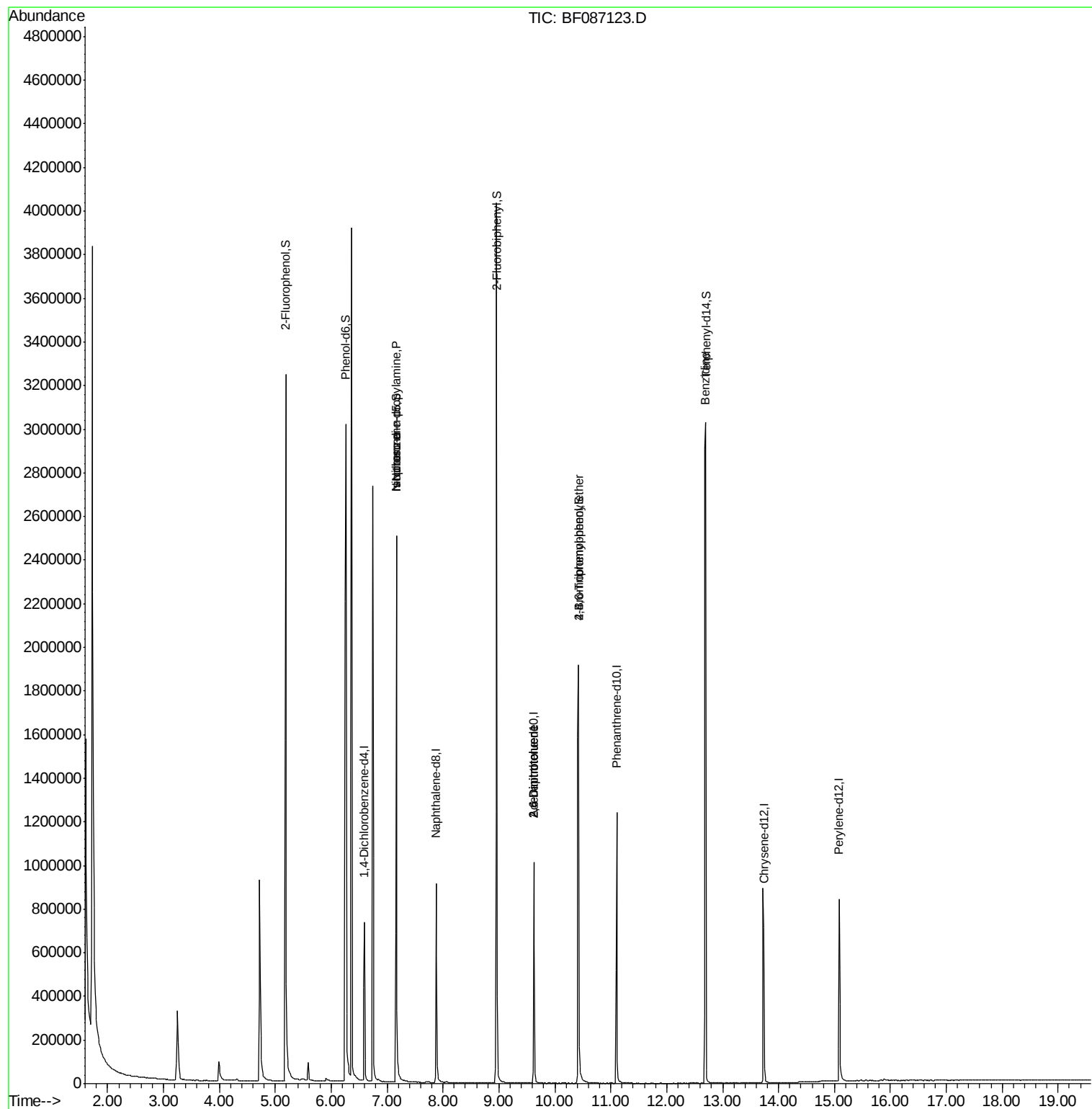
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	129419	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	533500	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	248133	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	518605	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	430625	20.00	ng	-0.02
86) Perylene-d12	15.09	264	368469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	966872	125.57	ng	-0.01
7) Phenol-d6	6.26	99	1299006	125.79	ng	-0.02
23) Nitrobenzene-d5	7.16	82	819884	76.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	342262	124.82	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1267791	84.62	ng	-0.02
78) Terphenyl-d14	12.70	244	1418411	74.51	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	116212	14.80	ng	# 75
25) Isophorone	7.16	82	673751	34.38	ng	# 68
50) 2,6-Dinitrotoluene	9.62	165	31325	7.62	ng	# 20
56) 2,4-Dinitrotoluene	9.62	165	31325	5.95	ng	# 16
66) 4-Bromophenyl-phenylether	10.42	248	20148	3.78	ng	# 1
76) Benzidine	12.68	184	21480	2.29	ng	99

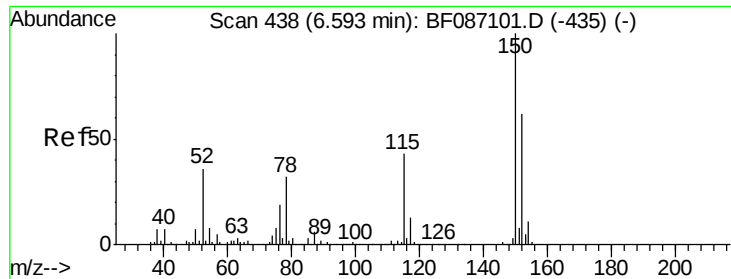
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

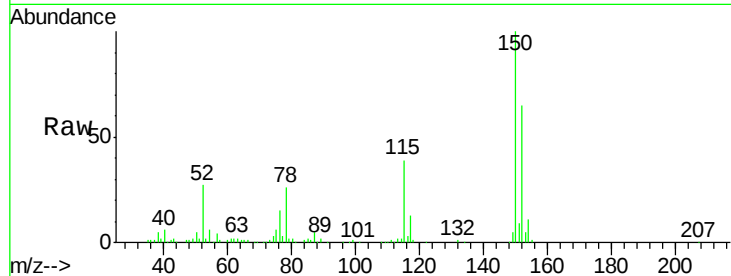
Tgt Ion:152 Resp: 129419

Ion Ratio Lower Upper

152 100

150 153.8 125.8 188.6

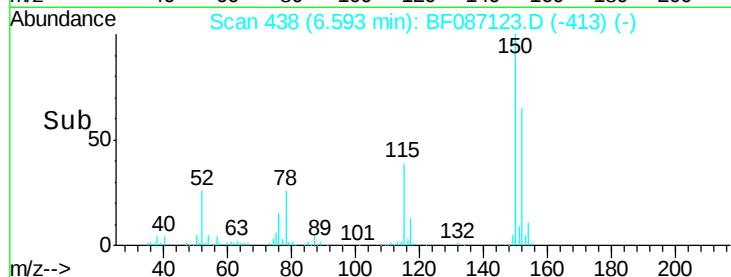
115 59.9 51.5 77.3



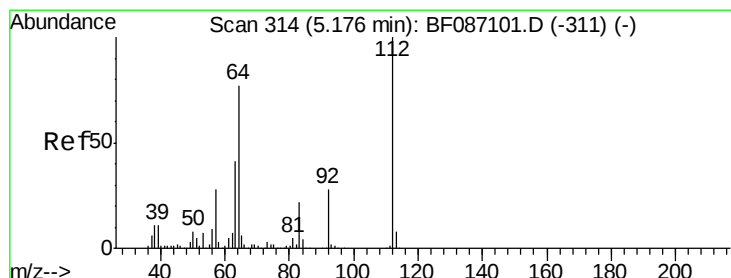
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 6.50 6.60 6.70



#5

2-Fluorophenol

Concen: 125.57 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

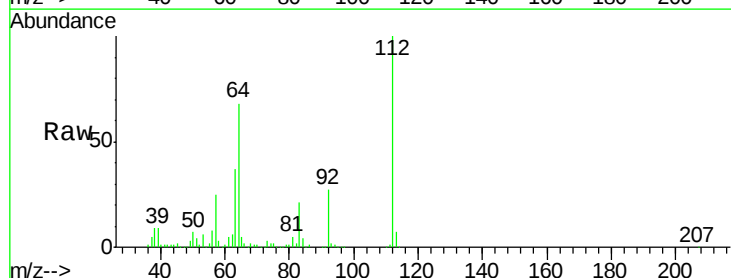
Tgt Ion:112 Resp: 966872

Ion Ratio Lower Upper

112 100

64 68.2 52.1 78.1

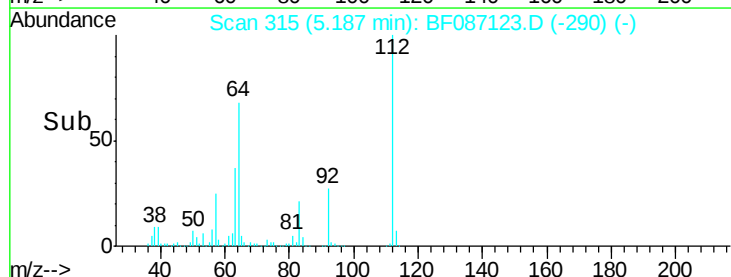
63 37.2 25.7 38.5



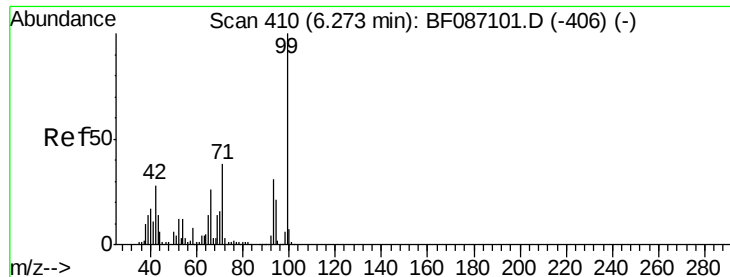
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time--> 5.20 5.40



#7

Phenol-d6

Concen: 125.79 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

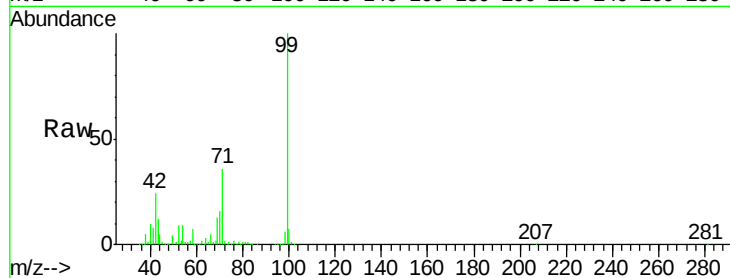
Tgt Ion: 99 Resp: 1299006

Ion Ratio Lower Upper

99 100

42 24.1 13.6 20.4#

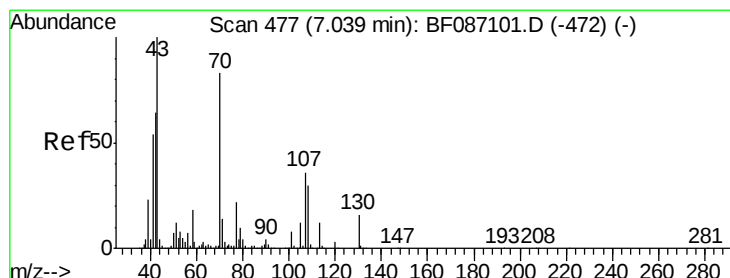
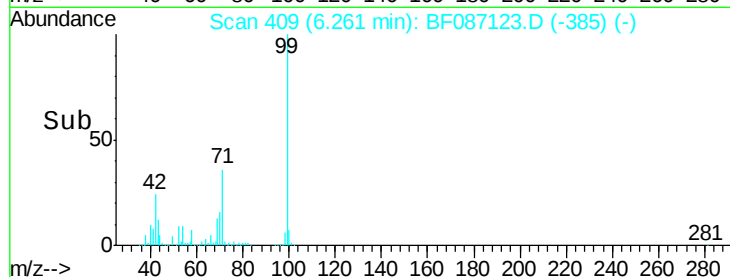
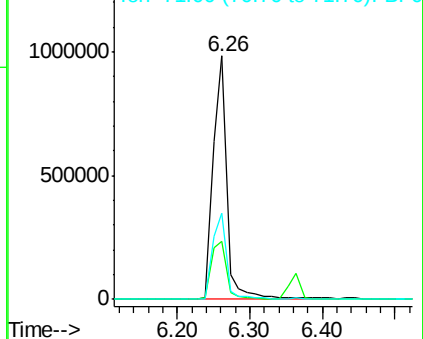
71 35.6 24.6 36.8



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: 14.80 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Tgt Ion: 70 Resp: 116212

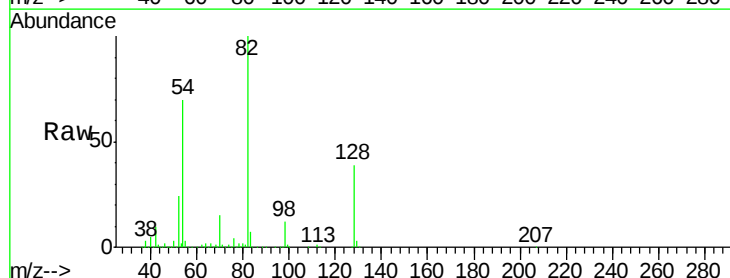
Ion Ratio Lower Upper

70 100

42 65.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

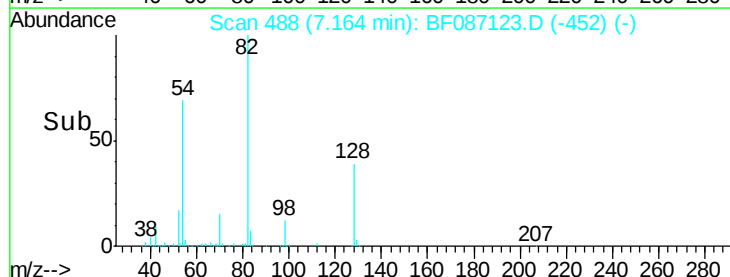
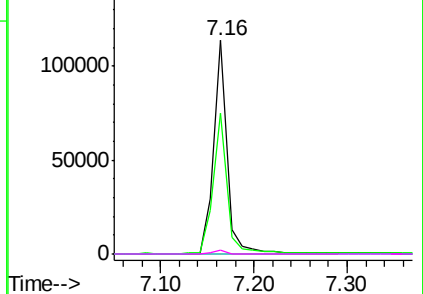


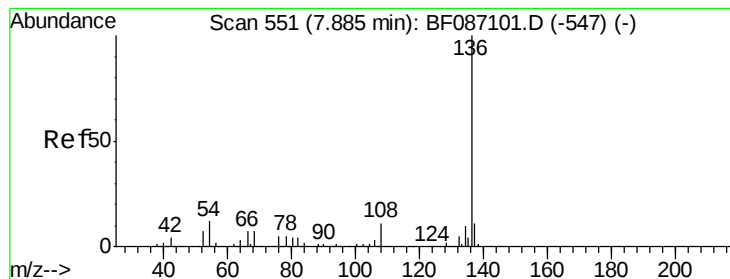
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

Tgt Ion:136 Resp: 533500

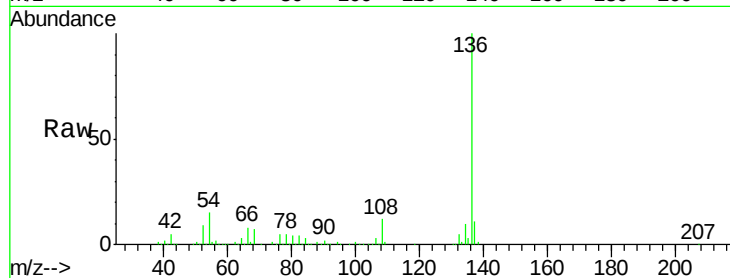
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 15.0 5.0 7.4#

68 7.5 4.4 6.6#

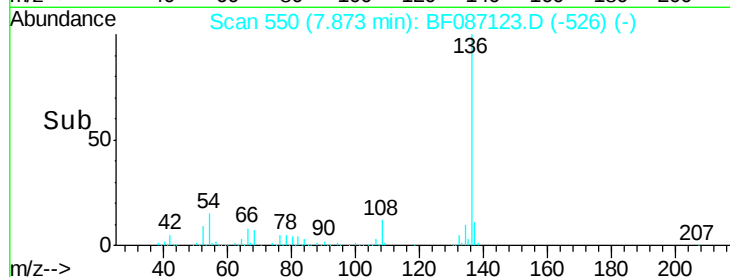


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

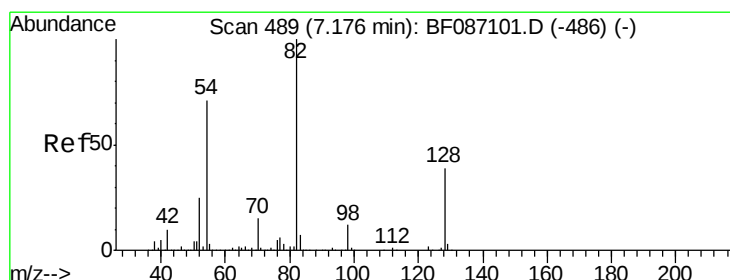
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.87



#23

Nitrobenzene-d5

Concen: 76.59 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

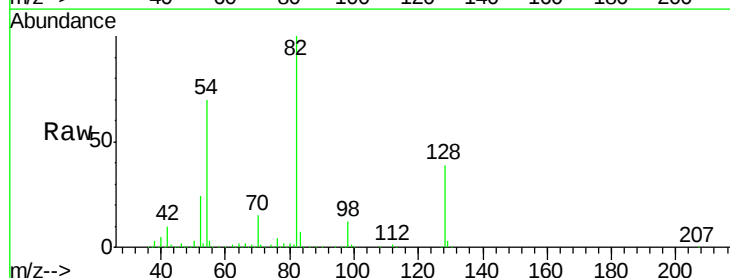
Tgt Ion: 82 Resp: 819884

Ion Ratio Lower Upper

82 100

128 38.9 40.6 61.0#

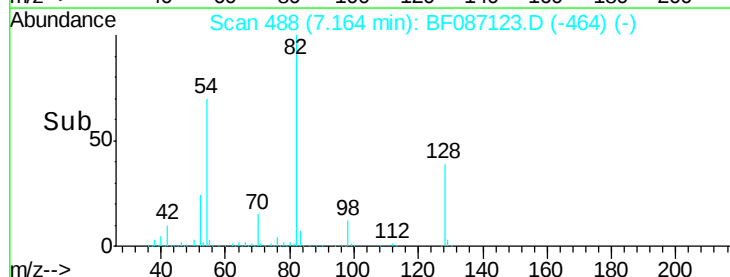
54 70.2 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

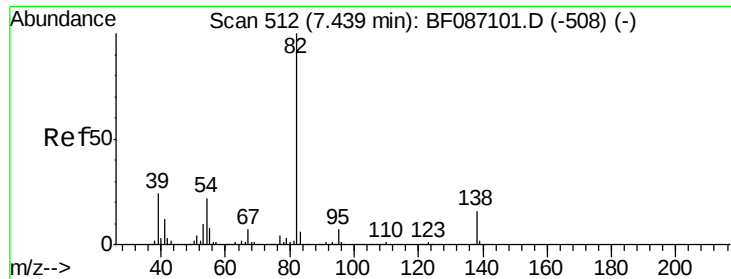
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.16



#25

Isophorone

Concen: 34.38 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.29 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampled :

PB90662BL

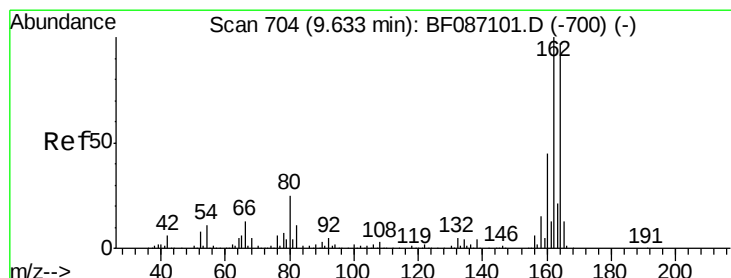
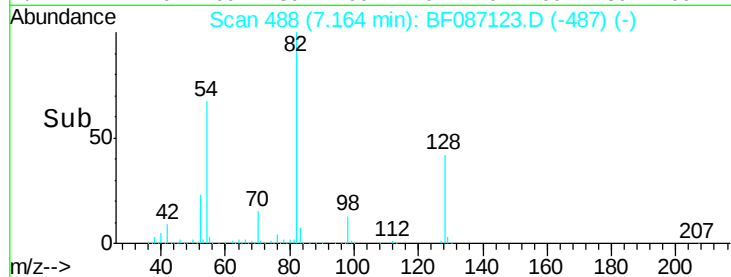
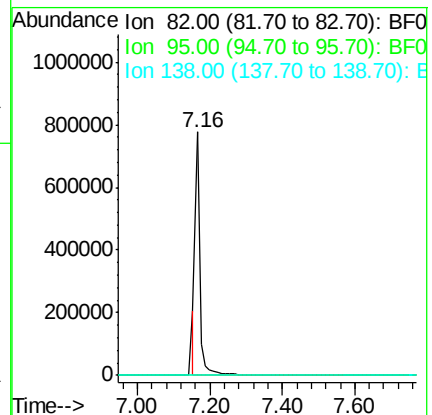
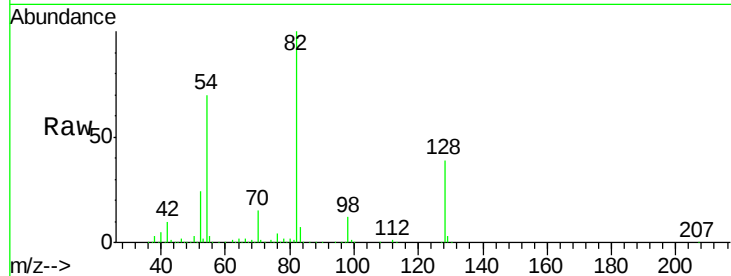
Tgt Ion: 82 Resp: 673751

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

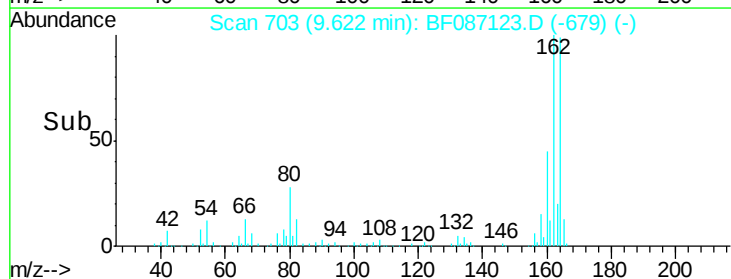
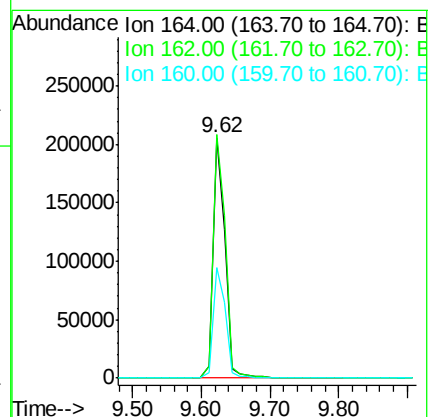
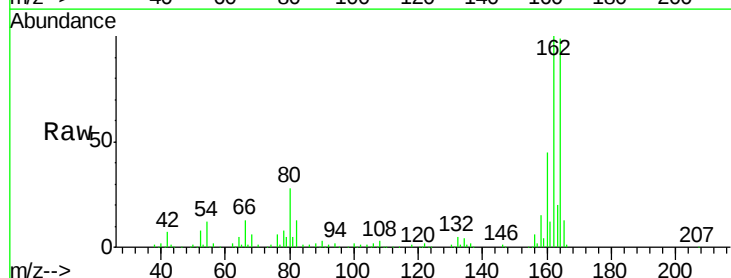
Tgt Ion: 164 Resp: 248133

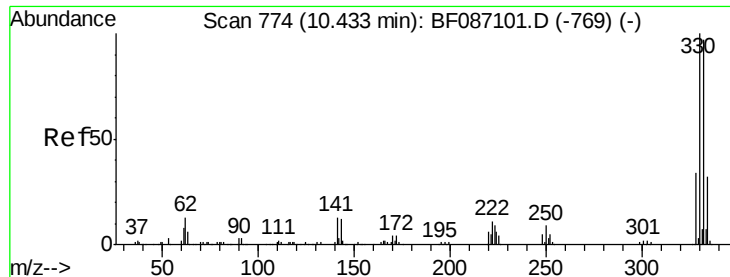
Ion Ratio Lower Upper

164 100

162 101.5 82.8 124.2

160 45.9 36.9 55.3

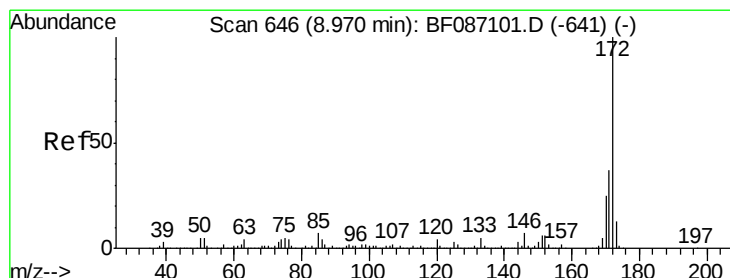
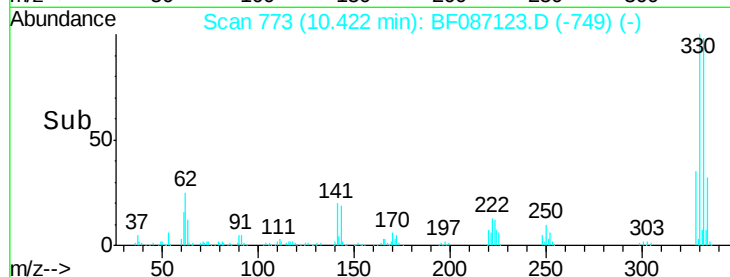
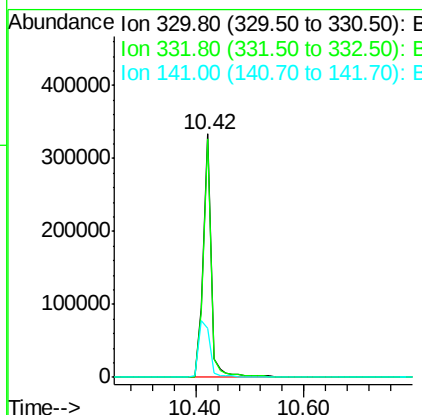
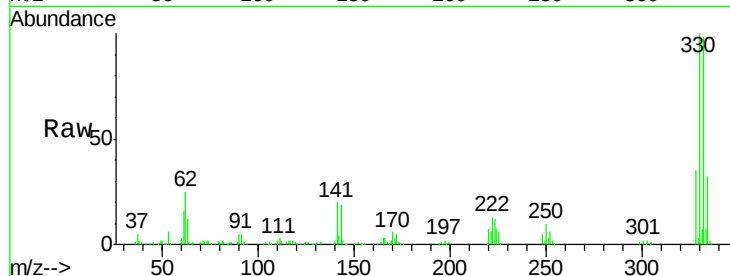




#41
 2,4,6-Tribromophenol
 Concen: 124.82 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087123.D
 Acq: 18 May 2016 1:21

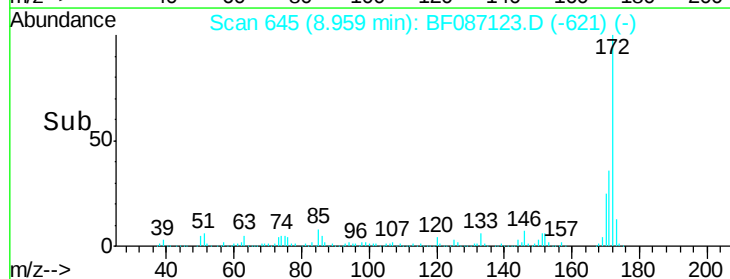
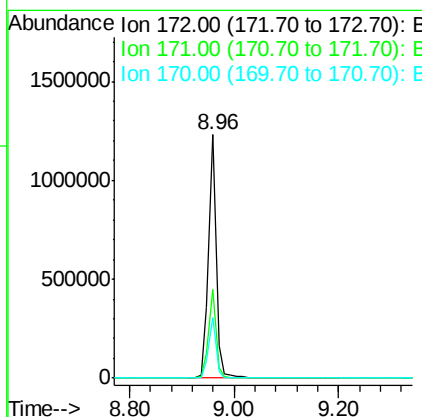
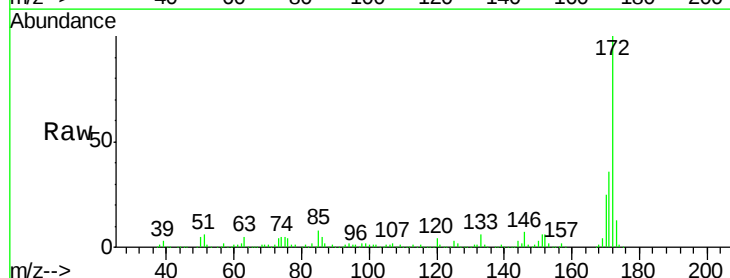
Instrument :
 BNA_F
 ClientSampleId :
 PB90662BL

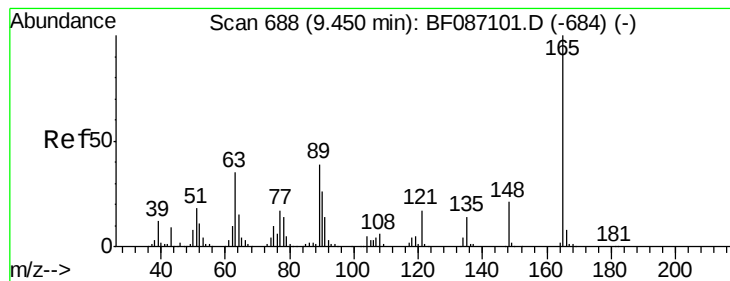
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	33.3	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 84.62 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087123.D
 Acq: 18 May 2016 1:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.8	19.8	29.8





#50

2,6-Dinitrotoluene

Concen: 7.62 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.16 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

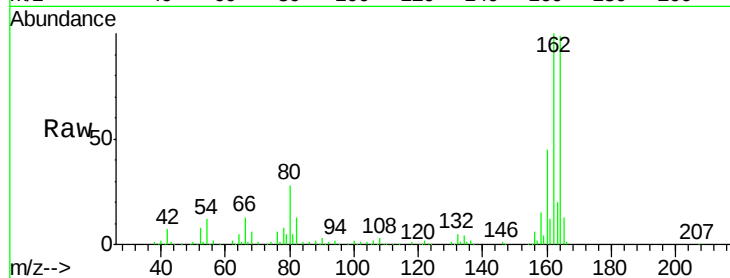
Tgt Ion:165 Resp: 31325

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.8#

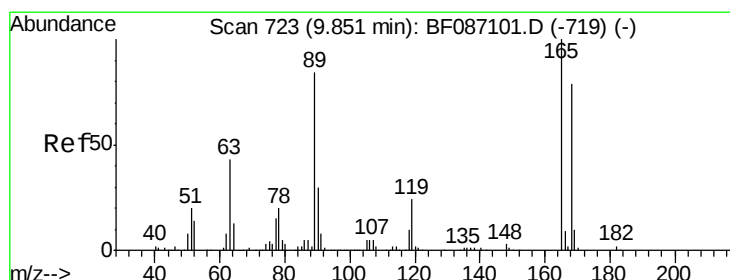
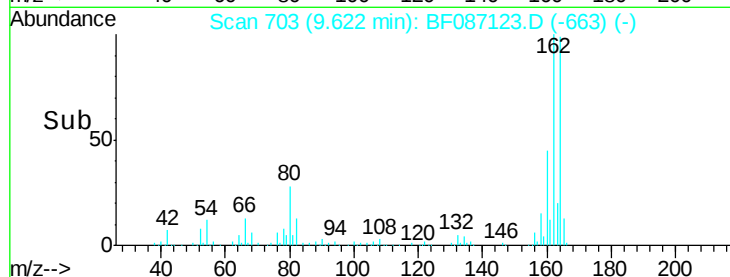
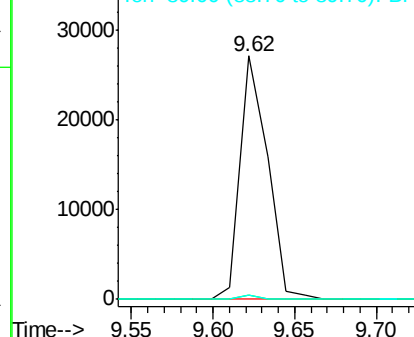
89 1.8 50.7 76.1#



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: 5.95 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.24 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Tgt Ion:165 Resp: 31325

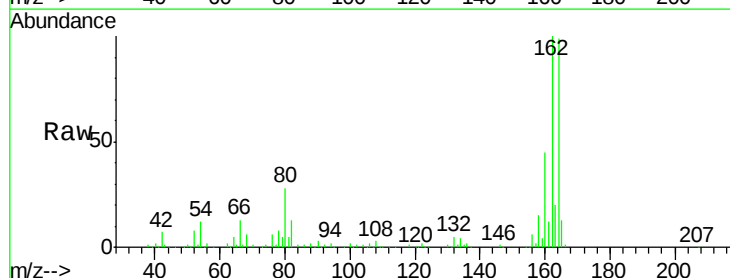
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.8 70.0 105.0#

182 0.0 1.8 2.6#

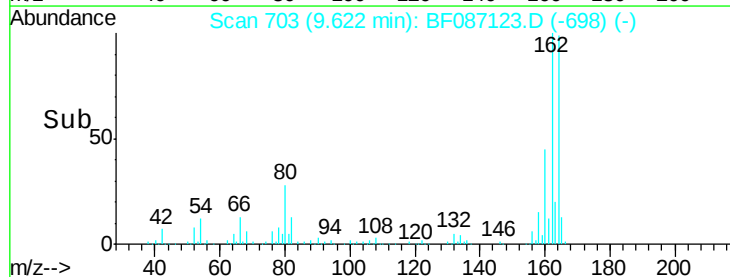
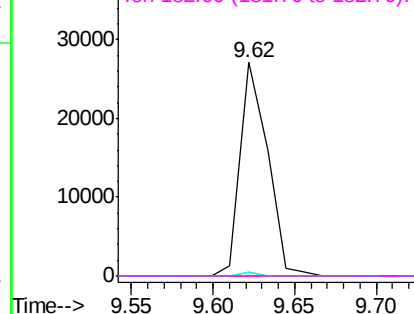


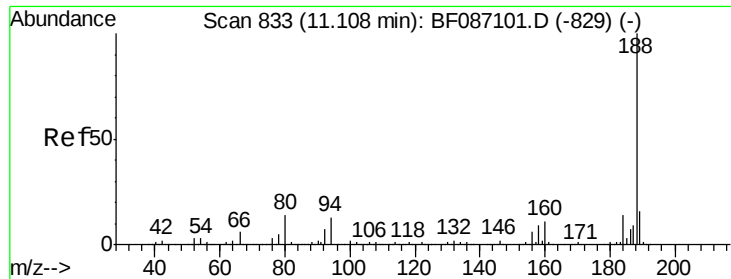
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

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PB90662BL

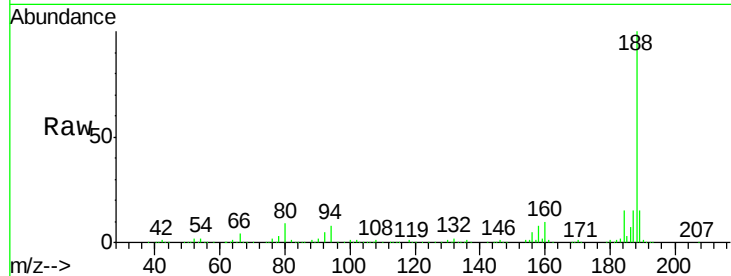
Tgt Ion:188 Resp: 518605

Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

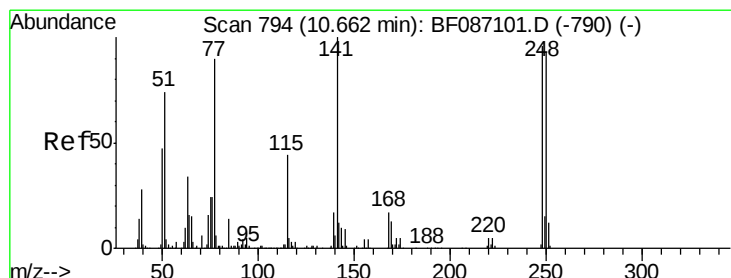
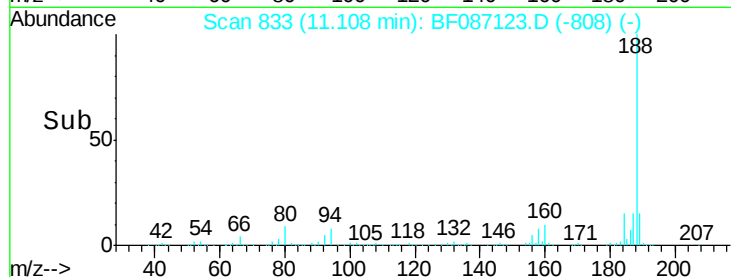
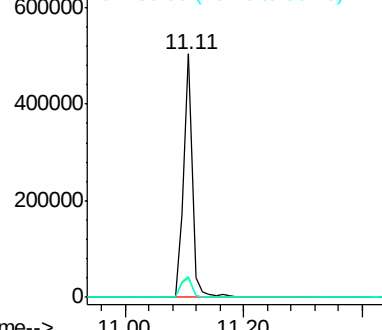
80 8.6 7.1 10.7



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: 3.78 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

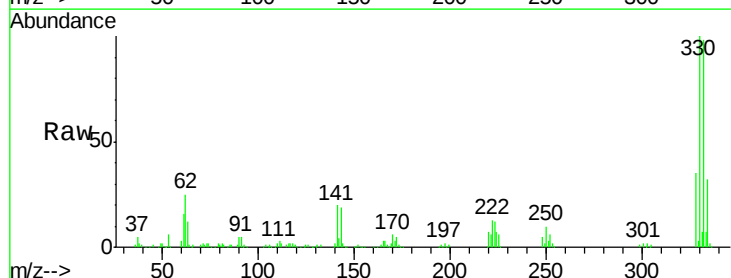
Tgt Ion:248 Resp: 20148

Ion Ratio Lower Upper

248 100

250 194.7 78.6 117.8#

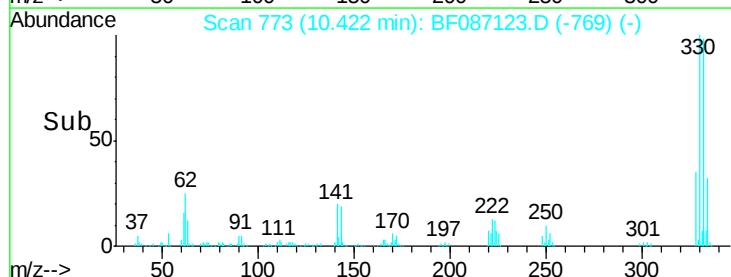
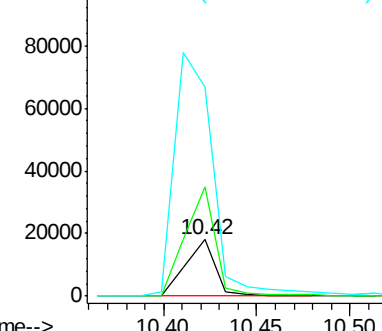
141 371.5 76.0 114.0#

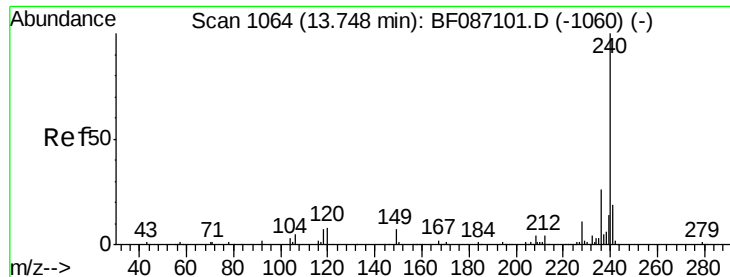


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

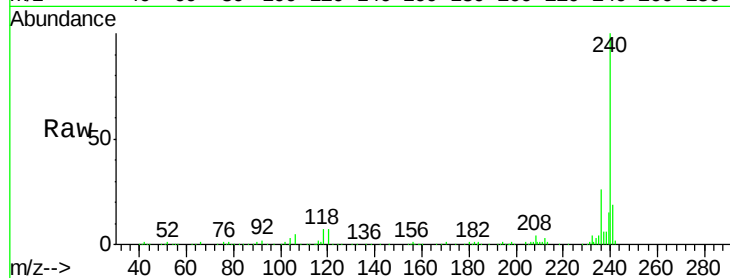
Tgt Ion:240 Resp: 430625

Ion Ratio Lower Upper

240 100

120 7.3 11.2 16.8#

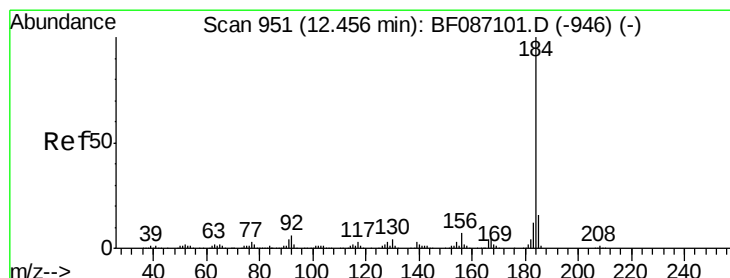
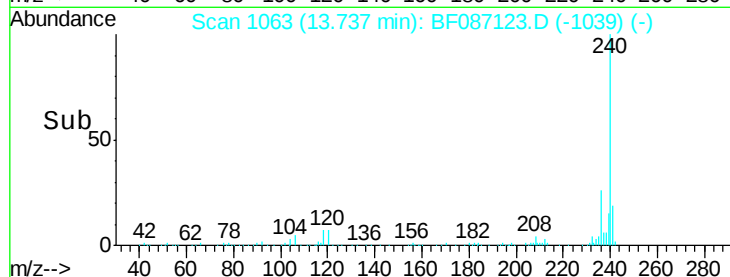
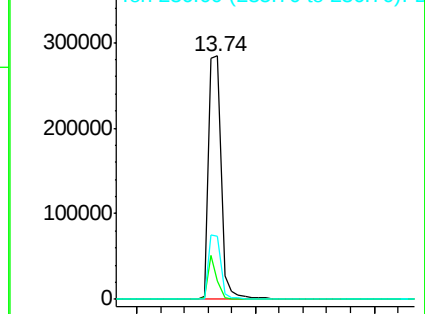
236 25.8 21.2 31.8



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



#76

Benzidine

Concen: 2.29 ng

RT: 12.68 min Scan# 971

Delta R.T. 0.22 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

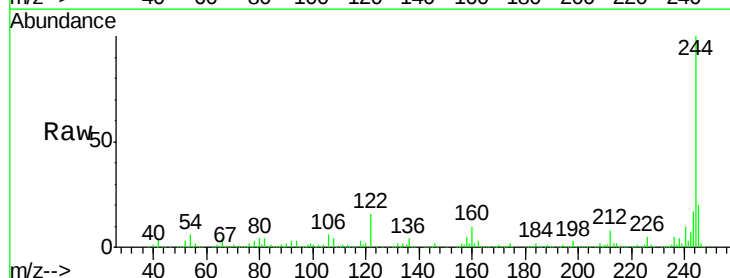
Tgt Ion:184 Resp: 21480

Ion Ratio Lower Upper

184 100

185 17.1 13.6 20.4

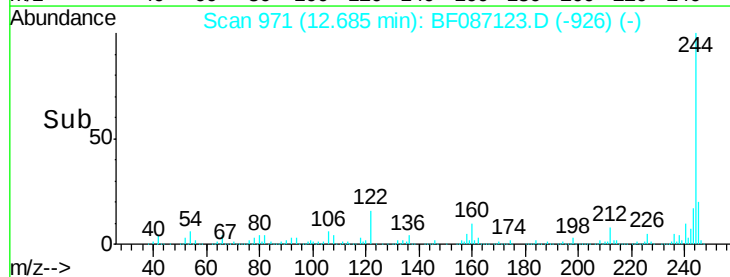
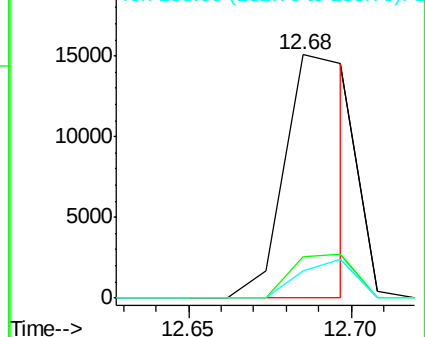
183 11.4 9.8 14.6

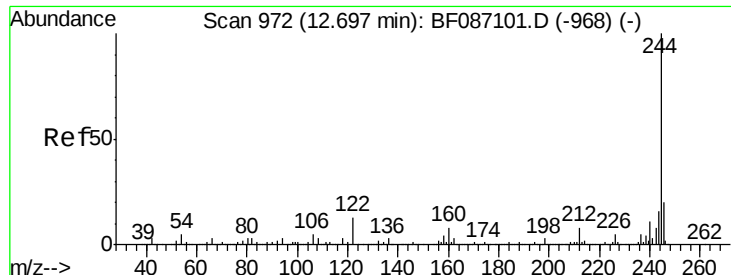


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 74.51 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

Instrument :

BNA_F

ClientSampleId :

PB90662BL

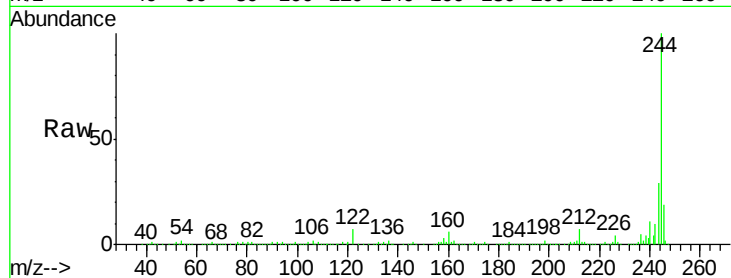
Tgt Ion:244 Resp: 1418411

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

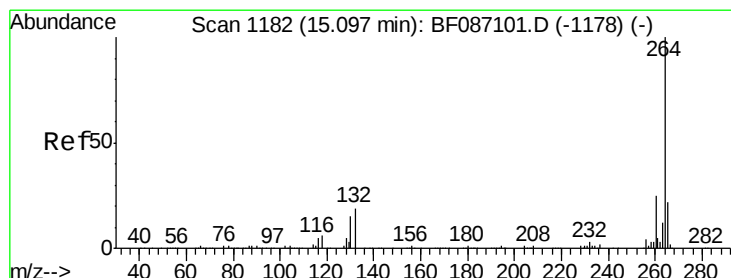
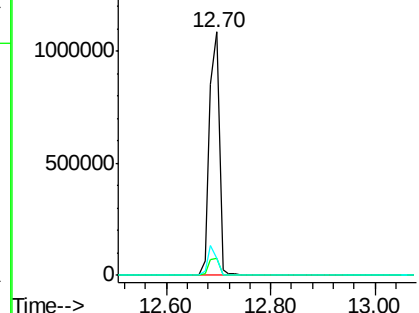
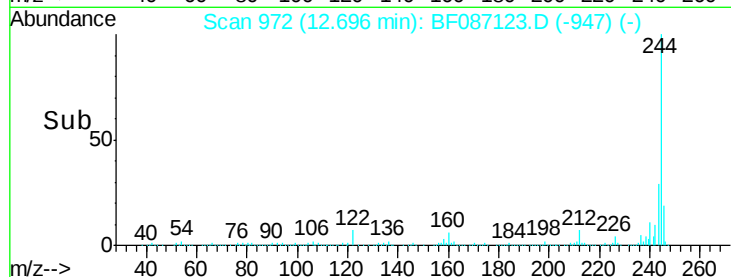
122 7.3 12.0 18.0#



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: 15.09 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF087123.D

Acq: 18 May 2016 1:21

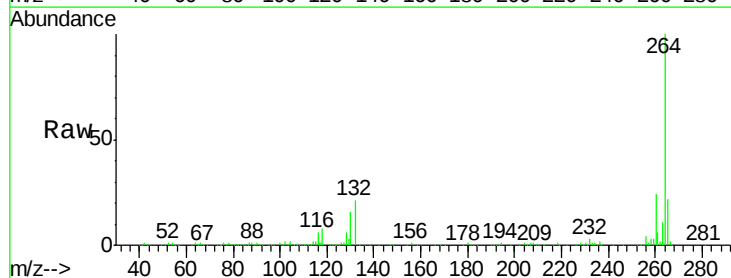
Tgt Ion:264 Resp: 368469

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.9 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

