

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083249.D
 Acq On : 24 Nov 2015 21:11
 Operator : UM/IZ
 Sample : PB86773BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86773BL

Quant Time: Nov 25 00:33:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

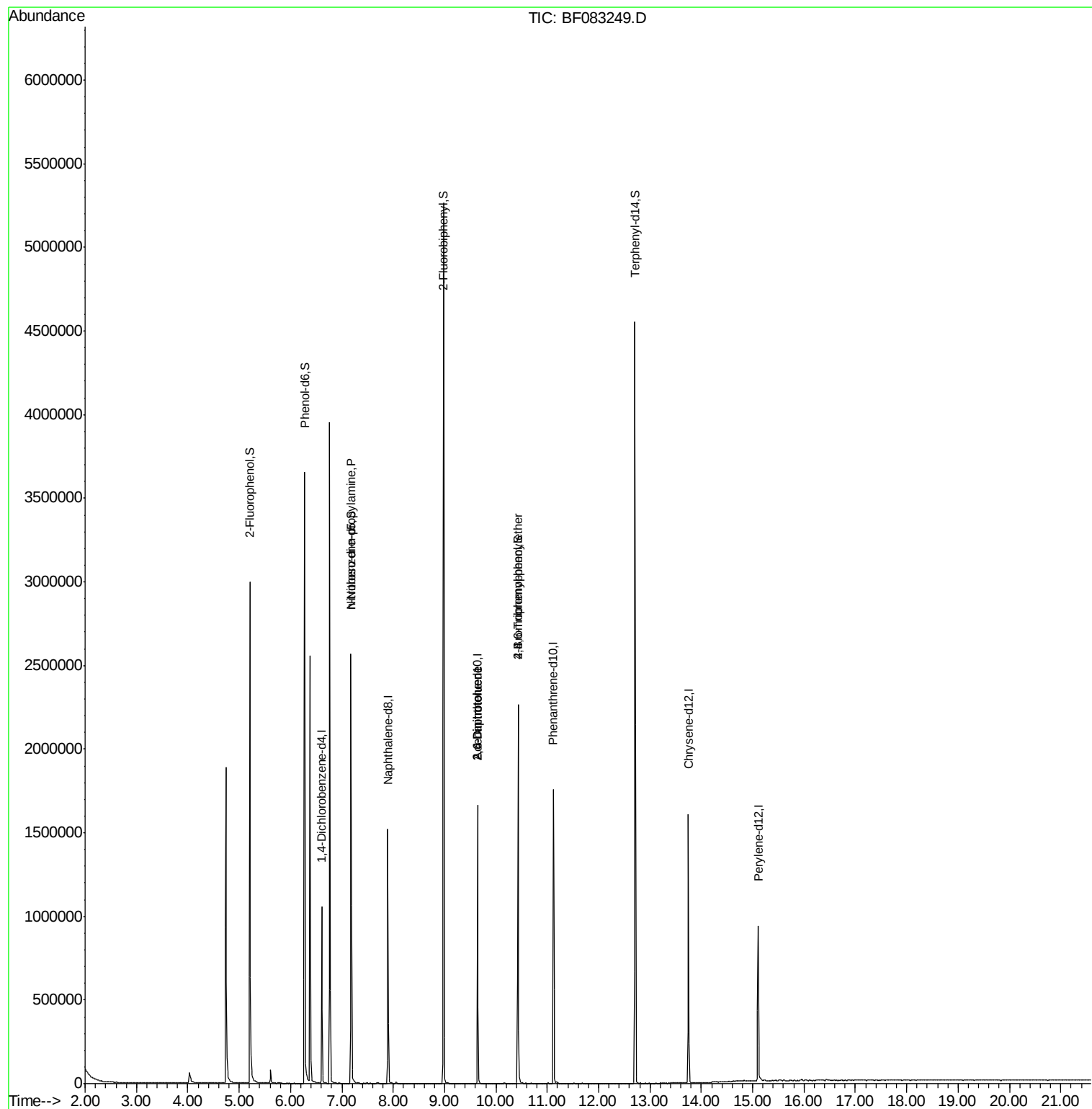
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	170268	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	666769	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	343736	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	656484	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	551224	20.00	ng	-0.06
86) Perylene-d12	15.11	264	423150	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	868176	77.09	ng	-0.07
7) Phenol-d6	6.27	99	1189237	81.61	ng	-0.07
23) Nitrobenzene-d5	7.18	82	997930	68.39	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	248809	70.75	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	1756780	71.27	ng	-0.05
78) Terphenyl-d14	12.71	244	1661187	70.97	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.27	77	1114	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.18	70	132906	13.11 ng	#	80
50) 2,6-Dinitrotoluene	9.64	165	43427	7.31 ng	#	13
56) 2,4-Dinitrotoluene	9.64	165	43430	5.77 ng	#	10
66) 4-Bromophenyl-phenylether	10.43	248	17837	2.45 ng	#	1

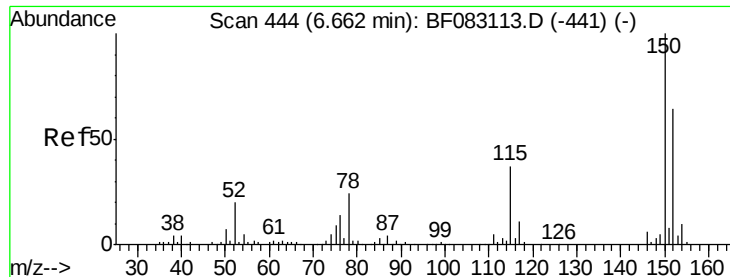
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 25 00:33:46 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

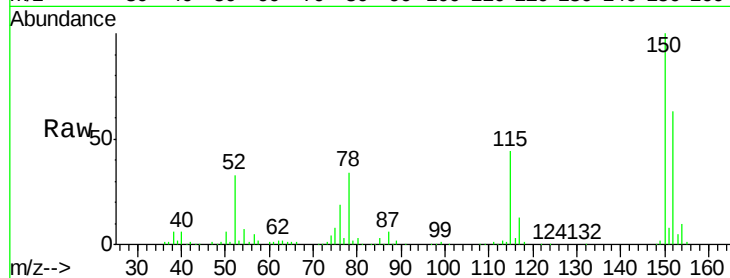
Tgt Ion:152 Resp: 170268

Ion Ratio Lower Upper

152 100

150 159.3 125.8 188.8

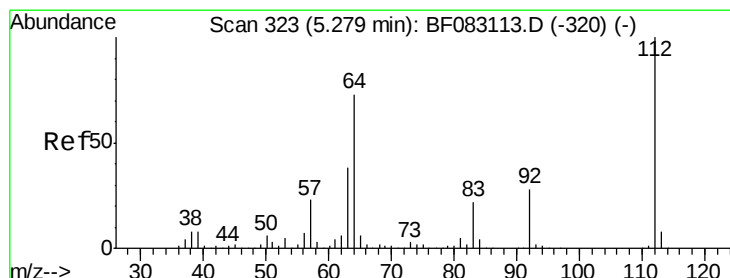
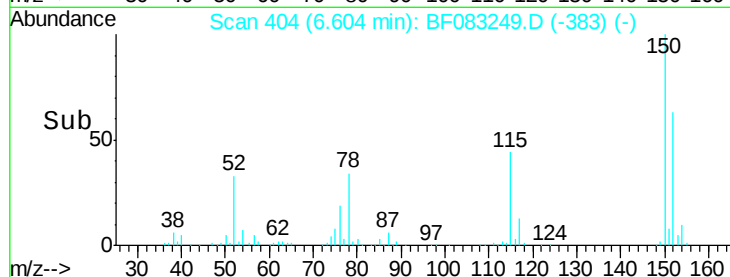
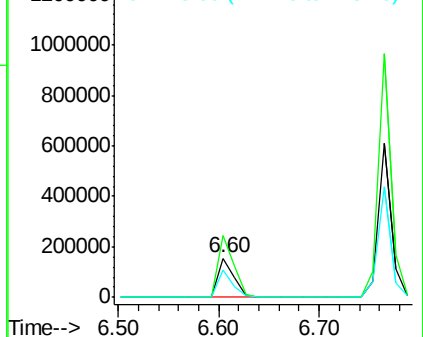
115 70.5 46.9 70.3#



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



#5

2-Fluorophenol

Concen: 77.09 ng

RT: 5.21 min Scan# 282

Delta R.T. -0.07 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

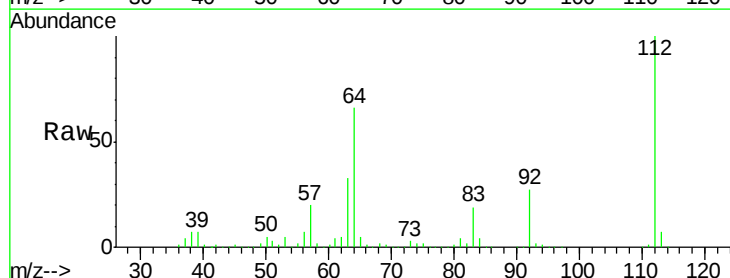
Tgt Ion:112 Resp: 868176

Ion Ratio Lower Upper

112 100

64 66.2 58.4 87.6

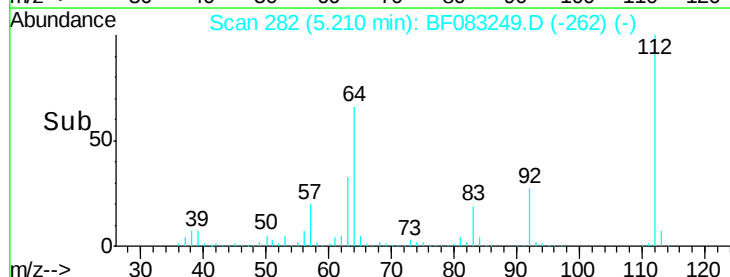
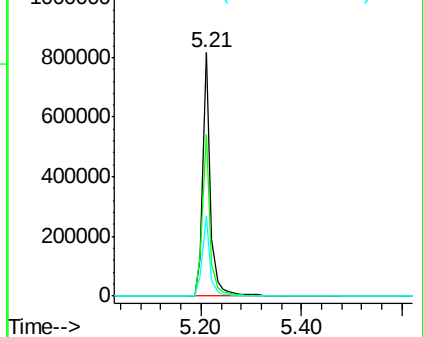
63 33.0 30.0 45.0

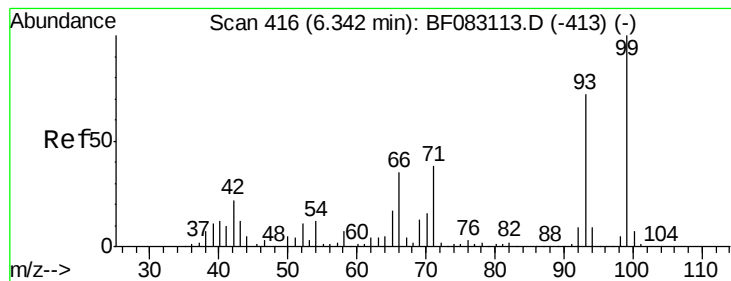


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.61 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

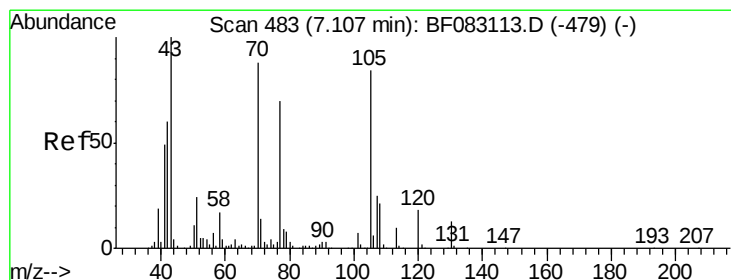
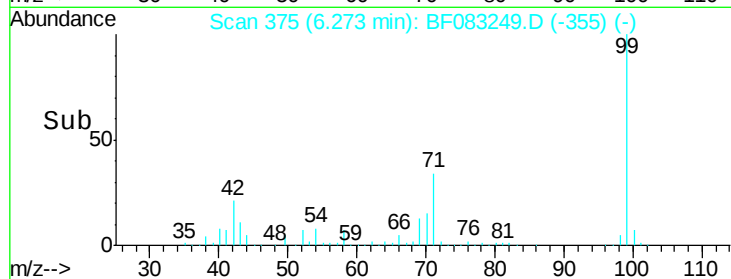
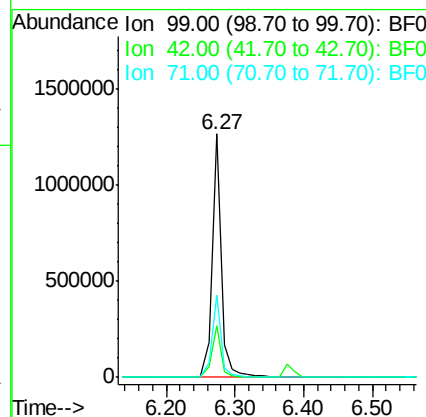
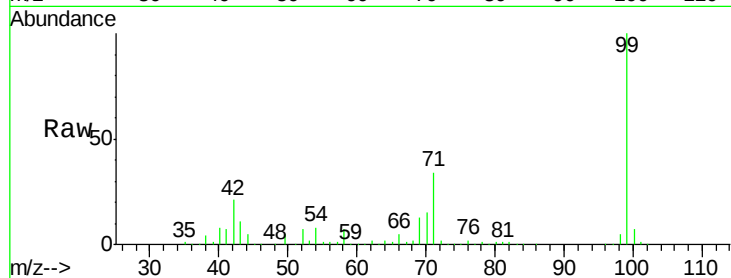
Tgt Ion: 99 Resp: 1189237

Ion Ratio Lower Upper

99 100

42 21.3 17.7 26.5

71 33.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.11 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Tgt Ion: 70 Resp: 132906

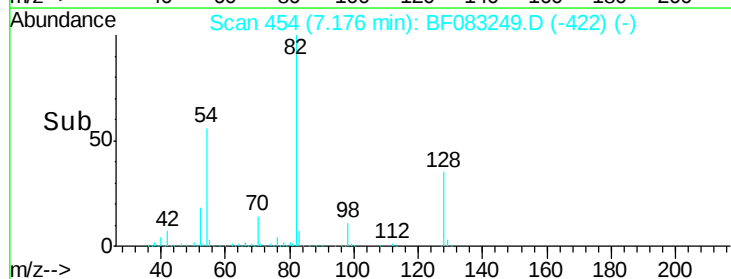
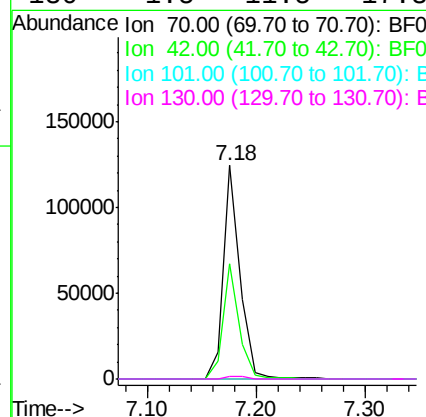
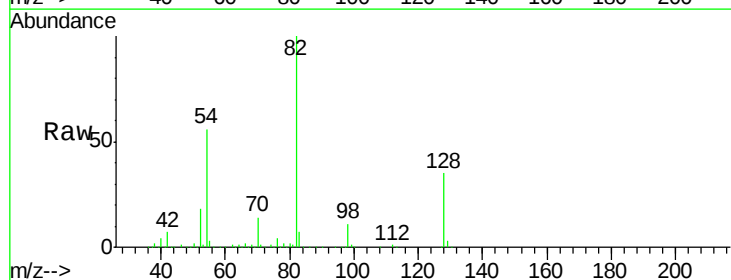
Ion Ratio Lower Upper

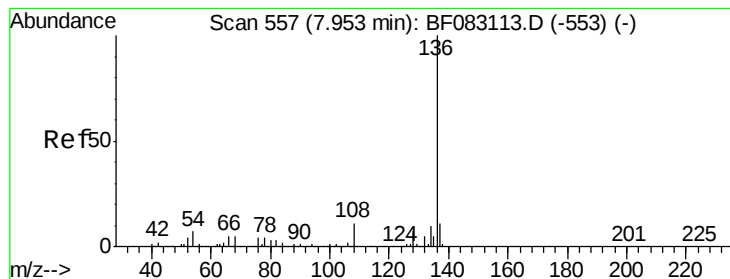
70 100

42 53.8 54.5 81.7#

101 0.0 6.6 9.8#

130 1.5 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

Tgt Ion:136 Resp: 666769

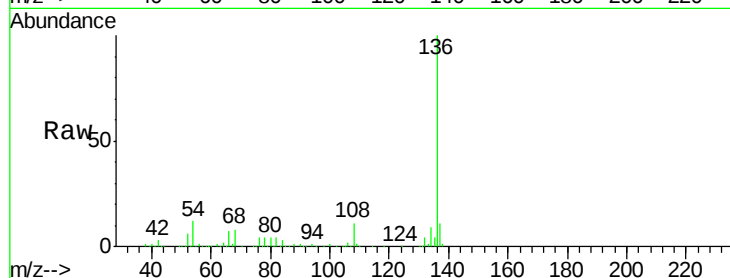
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 11.5 5.8 8.6#

68 8.1 3.8 5.8#

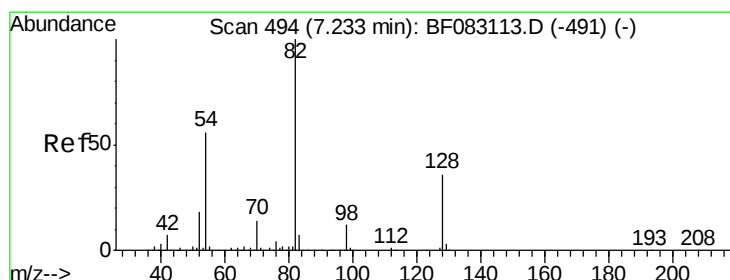
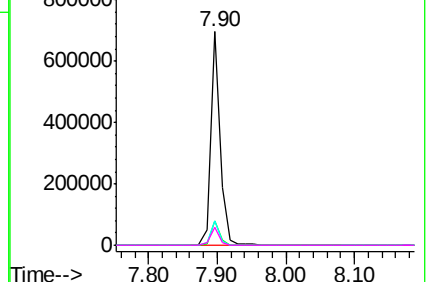
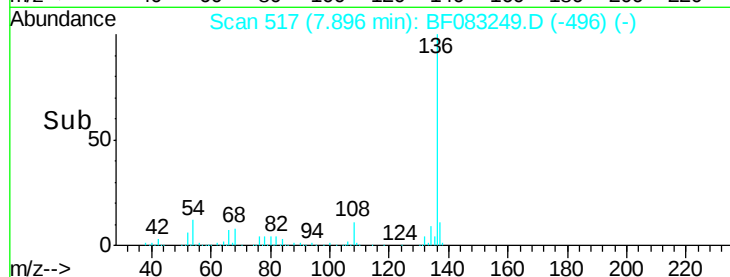


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.39 ng

RT: 7.18 min Scan# 454

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

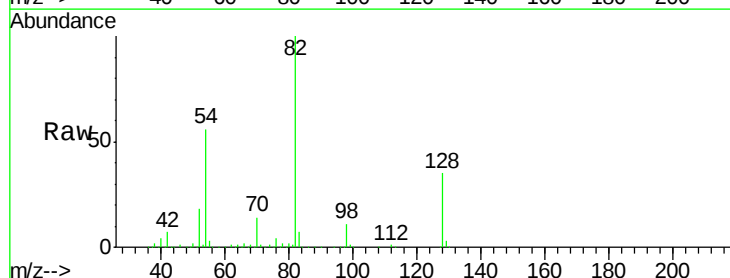
Tgt Ion: 82 Resp: 997930

Ion Ratio Lower Upper

82 100

128 35.5 28.5 42.7

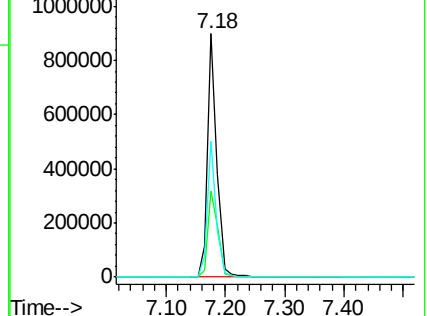
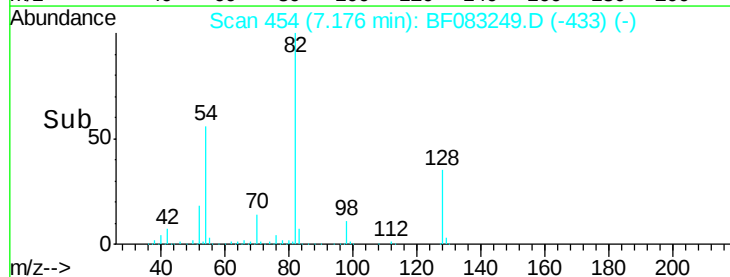
54 55.8 44.6 67.0

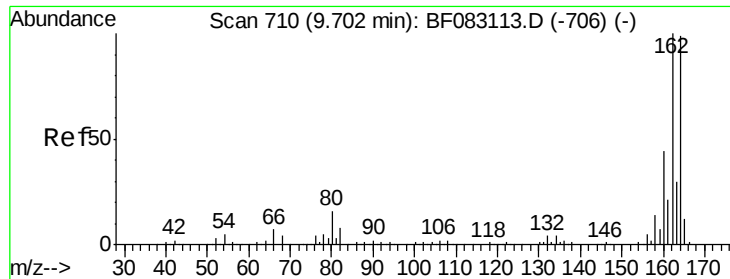


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.64 min Scan# 670

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

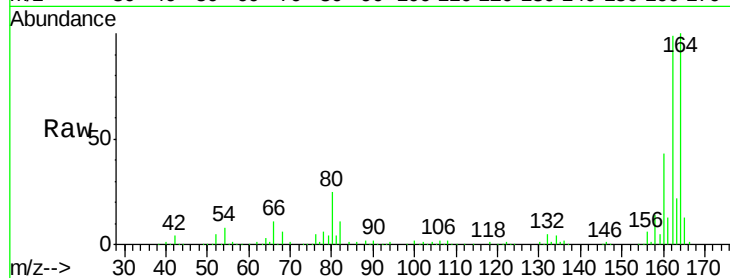
Tgt Ion:164 Resp: 343736

Ion Ratio Lower Upper

164 100

162 99.4 81.2 121.8

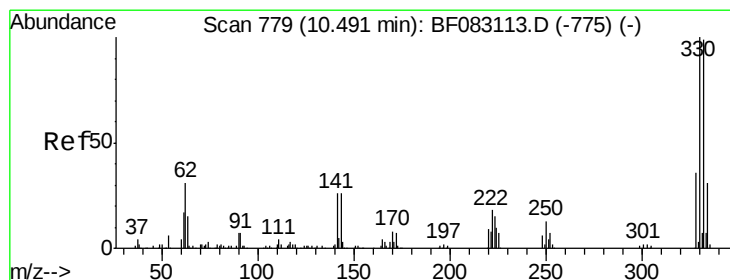
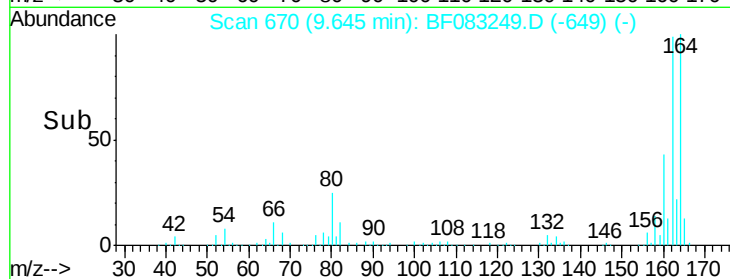
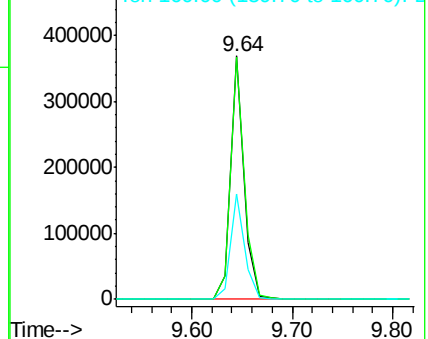
160 43.0 35.6 53.4



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: 70.75 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

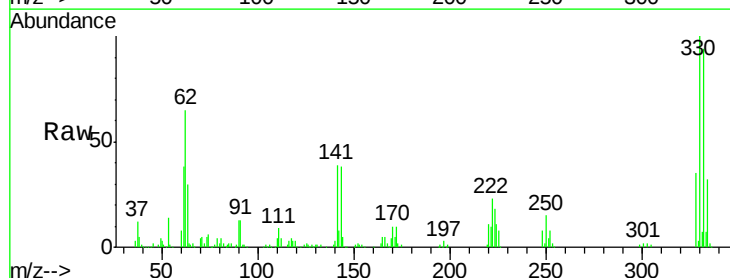
Tgt Ion:330 Resp: 248809

Ion Ratio Lower Upper

330 100

332 95.1 77.7 116.5

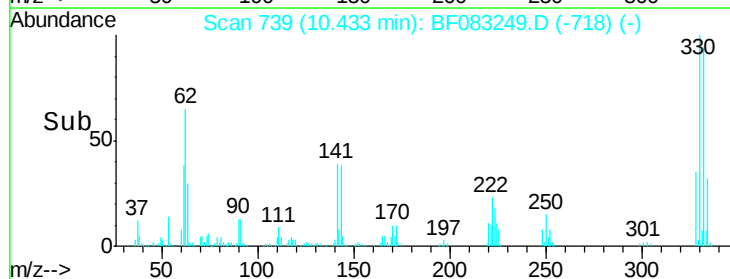
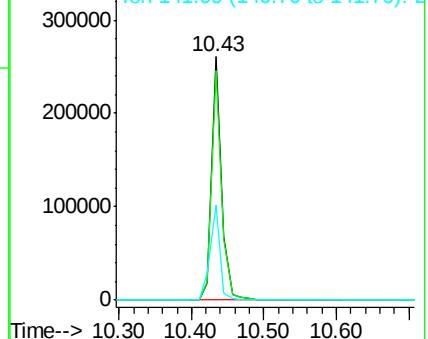
141 38.7 29.7 44.5

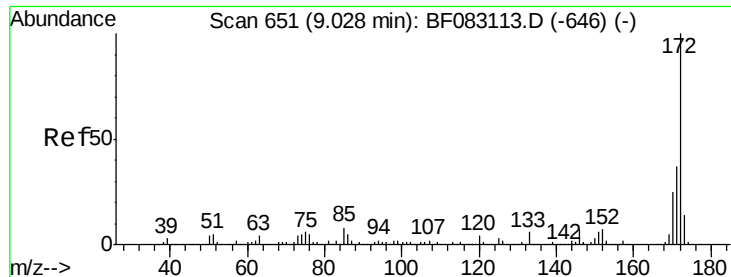


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

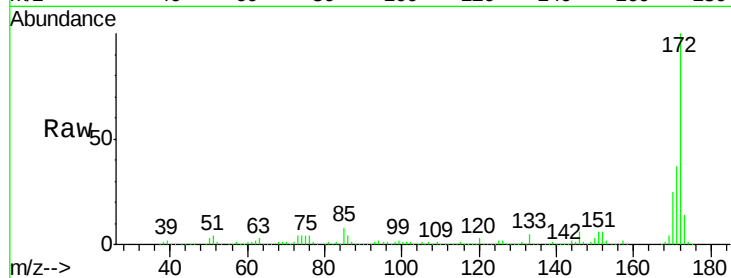




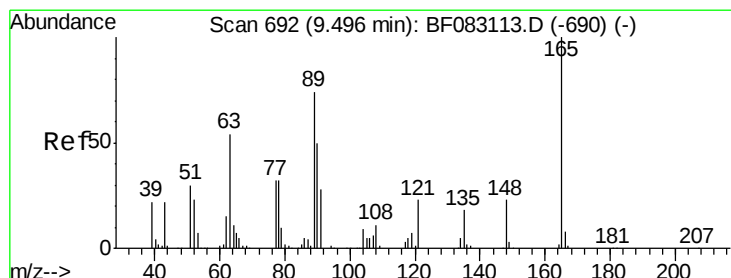
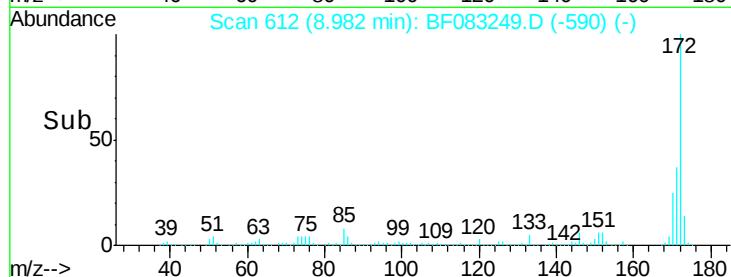
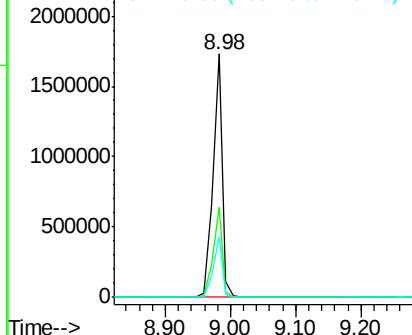
#44
 2-Fluorobiphenyl
 Concen: 71.27 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083249.D
 Acq: 24 Nov 2015 21:11

Instrument :
 BNA_F
 ClientSampleId :
 PB86773BL

Tgt Ion:172 Resp: 1756780
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.5 44.3
 170 25.1 19.9 29.9

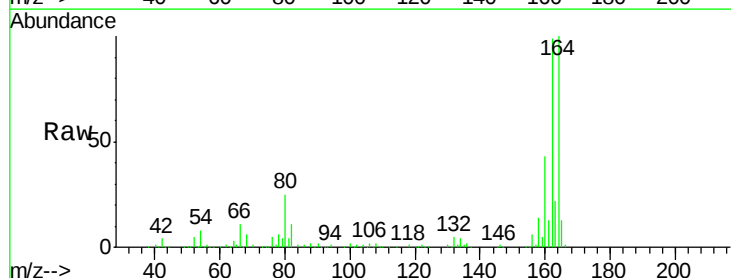


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

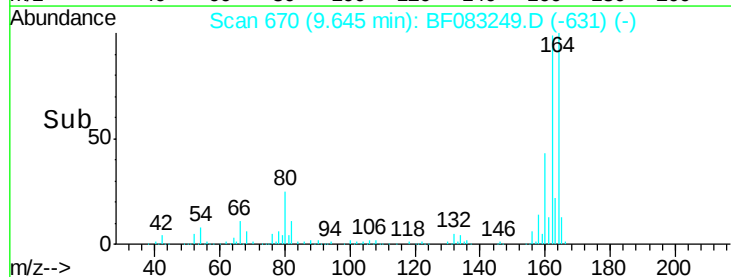
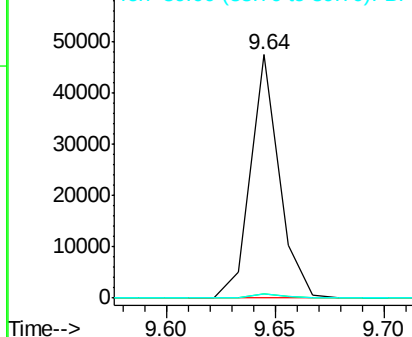


#50
 2,6-Dinitrotoluene
 Concen: 7.31 ng
 RT: 9.64 min Scan# 670
 Delta R.T. 0.15 min
 Lab File: BF083249.D
 Acq: 24 Nov 2015 21:11

Tgt Ion:165 Resp: 43427
 Ion Ratio Lower Upper
 165 100
 63 1.6 62.5 93.7#
 89 1.7 59.1 88.7#



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: 5.77 ng

RT: 9.64 min Scan# 670

Delta R.T. -0.25 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

Tgt Ion:165 Resp: 43430

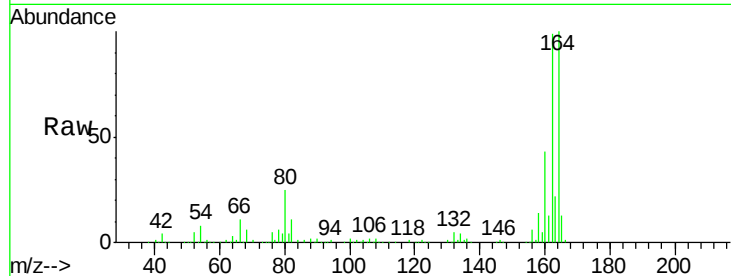
Ion Ratio Lower Upper

165 100

63 1.6 54.5 81.7#

89 1.7 77.3 115.9#

182 0.0 1.8 2.6#

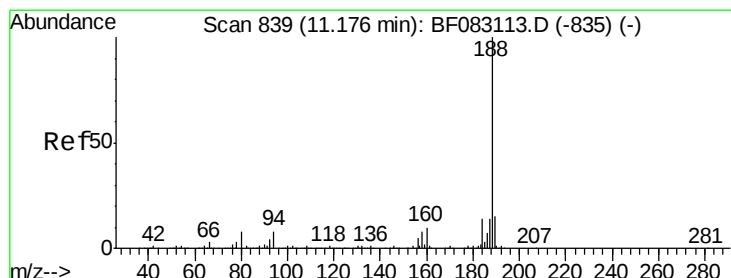
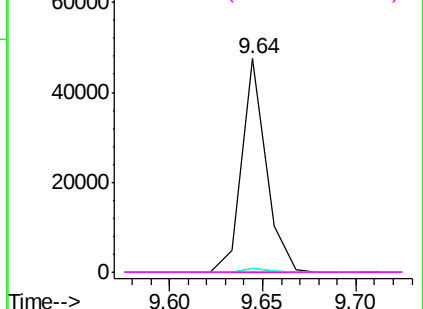
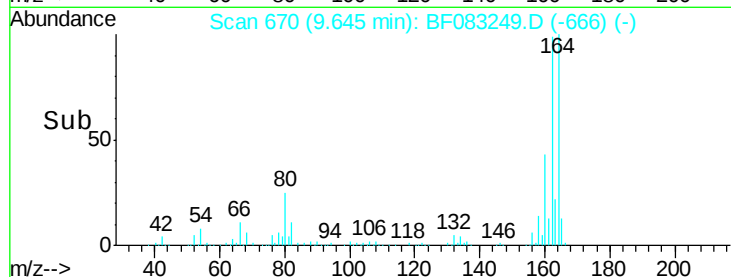


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 799

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

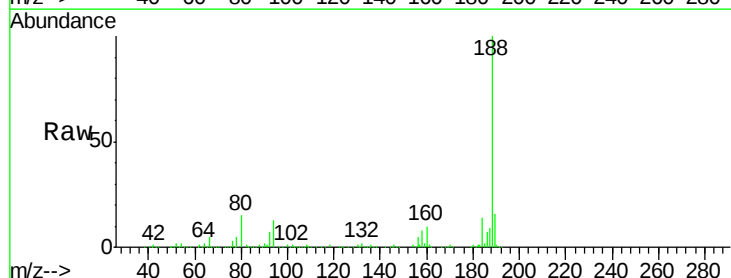
Tgt Ion:188 Resp: 656484

Ion Ratio Lower Upper

188 100

94 12.6 6.0 9.0#

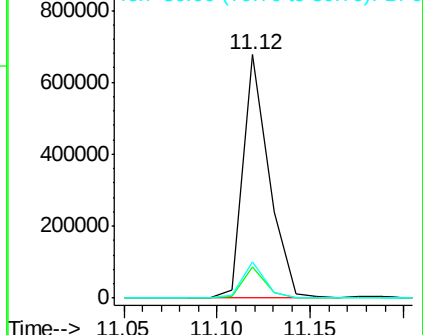
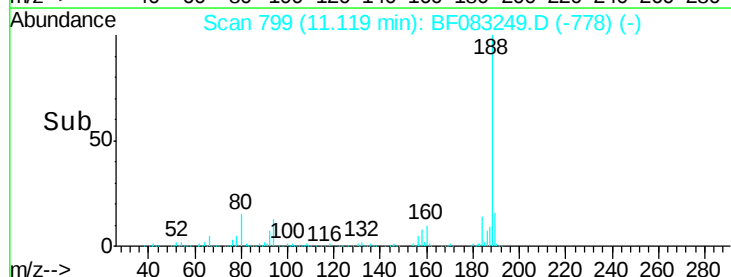
80 14.8 6.7 10.1#

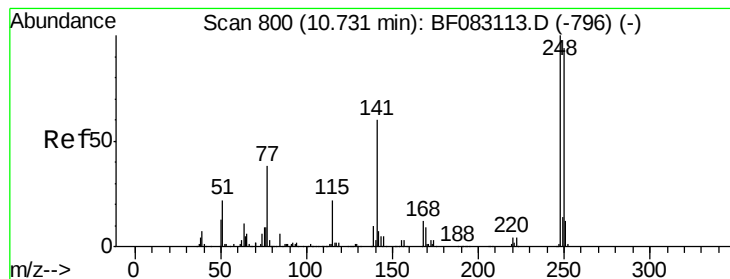


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.45 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.30 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

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PB86773BL

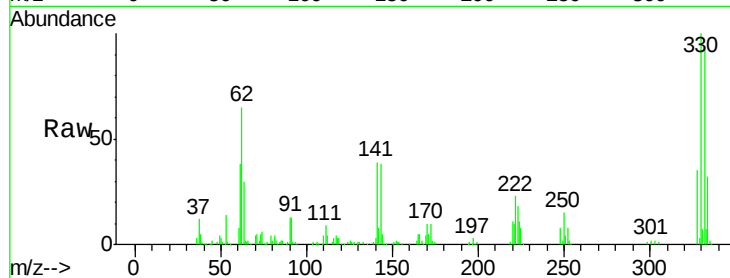
Tgt Ion:248 Resp: 17837

Ion Ratio Lower Upper

248 100

250 203.3 75.4 113.2#

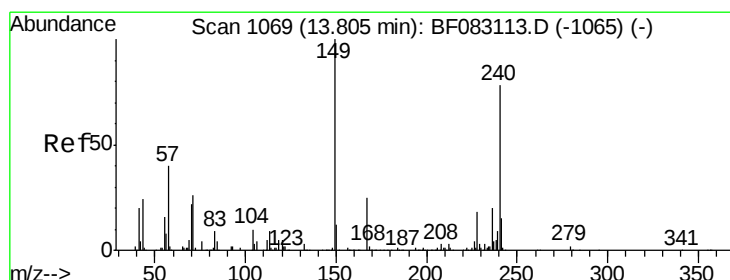
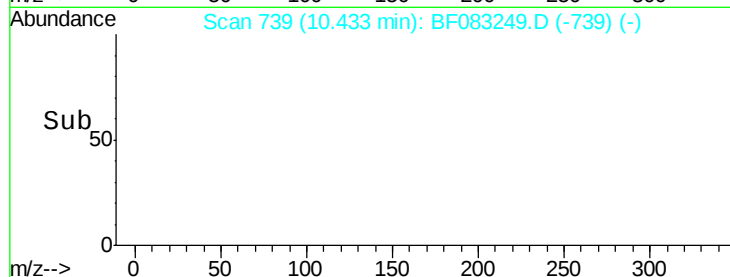
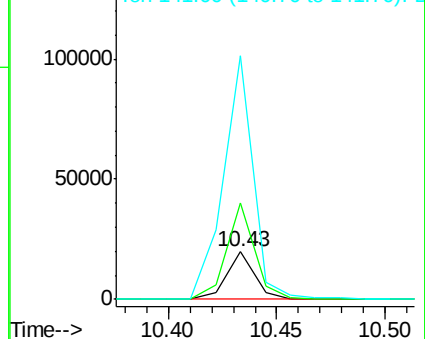
141 511.7 48.1 72.1#



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: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

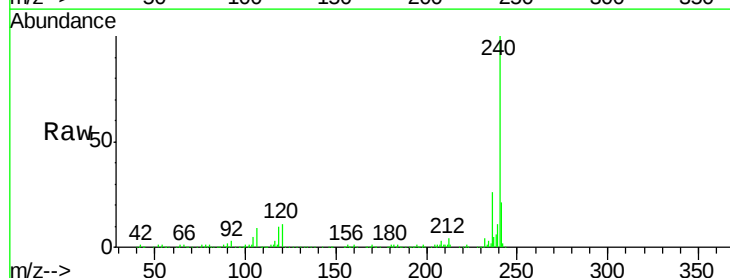
Tgt Ion:240 Resp: 551224

Ion Ratio Lower Upper

240 100

120 11.1 5.4 8.2#

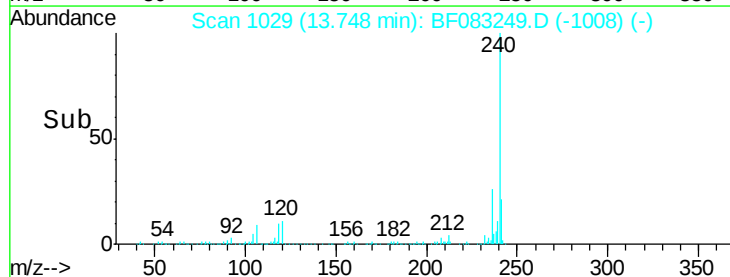
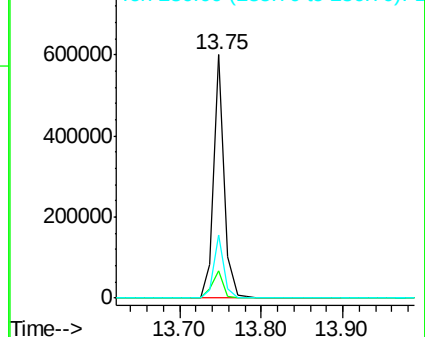
236 26.0 20.6 31.0

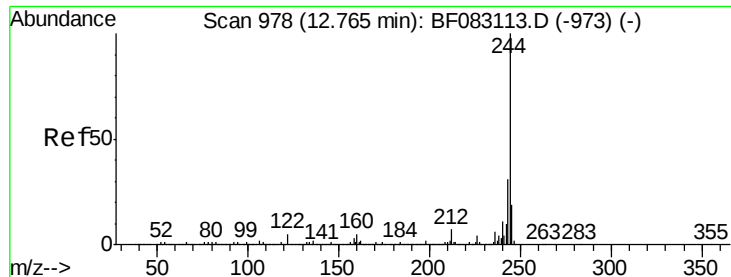


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 70.97 ng

RT: 12.71 min Scan# 938

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

Instrument :

BNA_F

ClientSampleId :

PB86773BL

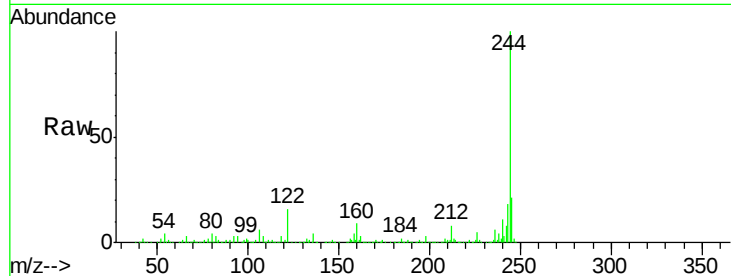
Tgt Ion:244 Resp: 1661187

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.2

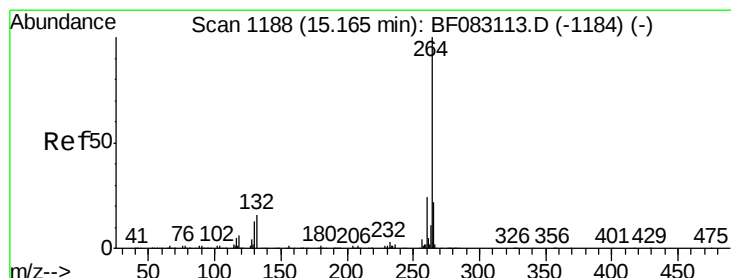
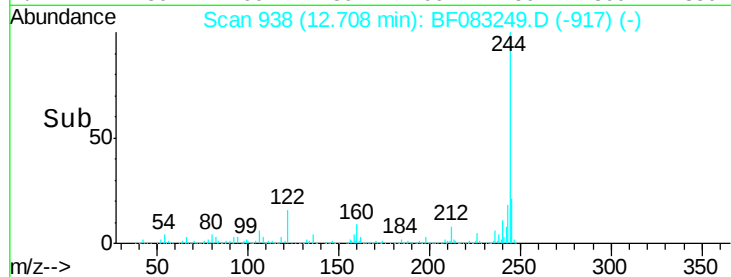
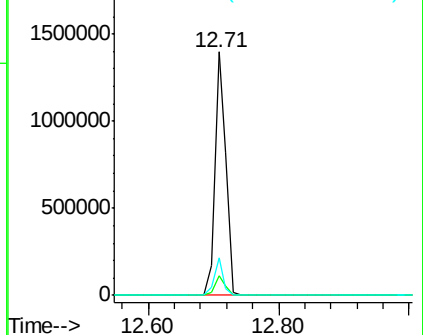
122 15.5 4.3 6.5#



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: 15.11 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF083249.D

Acq: 24 Nov 2015 21:11

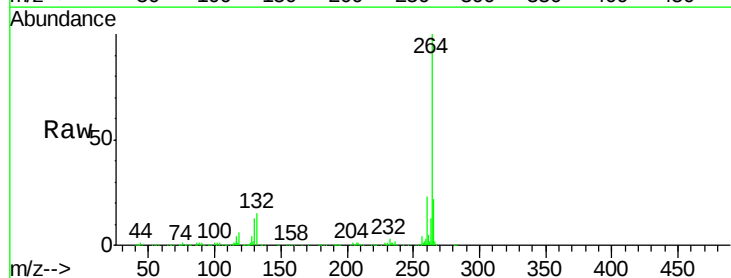
Tgt Ion:264 Resp: 423150

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 22.3 18.2 27.4



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

