

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086176.D
 Acq On : 8 Apr 2016 18:59
 Operator : UM/SJ
 Sample : PB89682BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89682BL

Quant Time: Apr 08 23:21:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

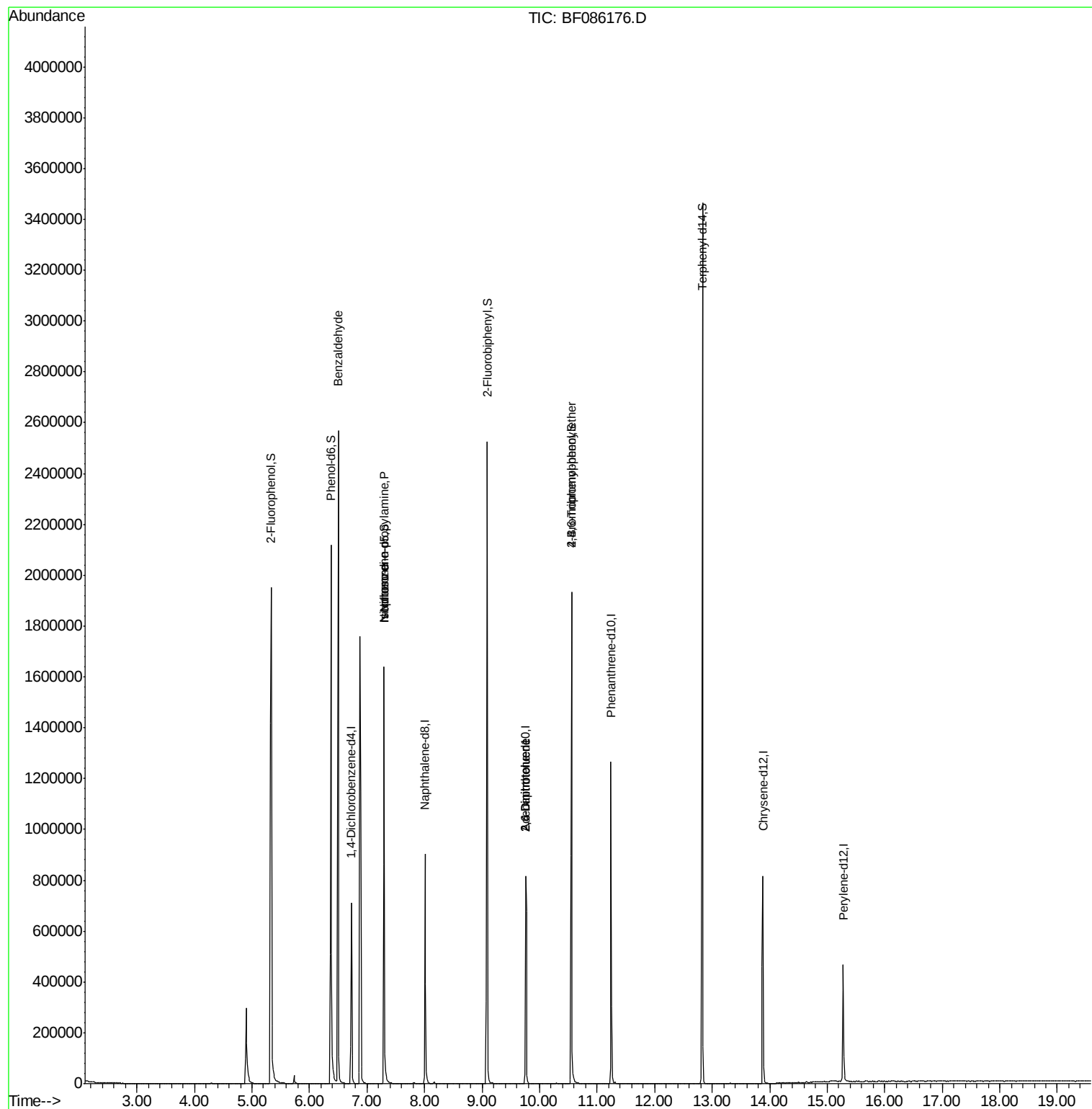
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	117684	20.00	ng	-0.05
21) Naphthalene-d8	8.01	136	491257	20.00	ng	-0.06
38) Acenaphthene-d10	9.76	164	231422	20.00	ng	-0.06
63) Phenanthrene-d10	11.24	188	465451	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	345381	20.00	ng	-0.05
86) Perylene-d12	15.28	264	249132	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	847339	123.07	ng	-0.03
7) Phenol-d6	6.37	99	918435	105.02	ng	-0.05
23) Nitrobenzene-d5	7.30	82	685888	82.34	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	292697	134.75	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1201345	86.31	ng	-0.05
78) Terphenyl-d14	12.83	244	1134804	77.23	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.50	77	18662	3.97	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.30	70	88707	16.37	ng	# 76
25) Isophorone	7.30	82	685208	41.67	ng	# 68
50) 2,6-Dinitrotoluene	9.76	165	29668	8.18	ng	# 18
56) 2,4-Dinitrotoluene	9.76	165	29670	6.47	ng	# 36
66) 4-Bromophenyl-phenylether	10.56	248	18868	3.97	ng	# 1

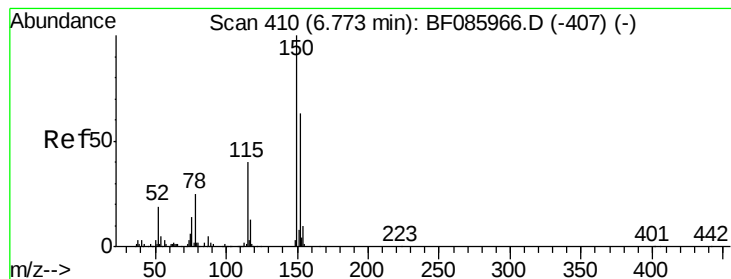
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

Instrument :

BNA_F

ClientSampleId :

PB89682BL

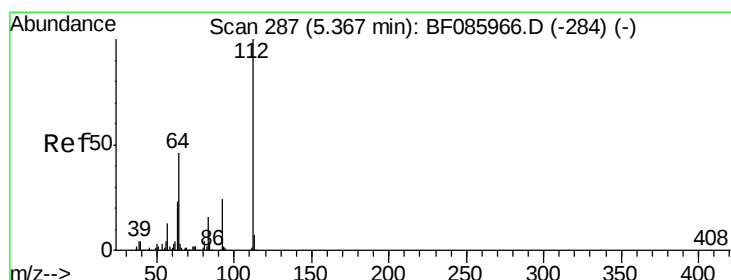
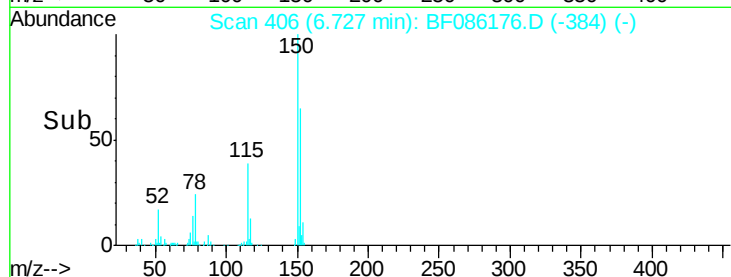
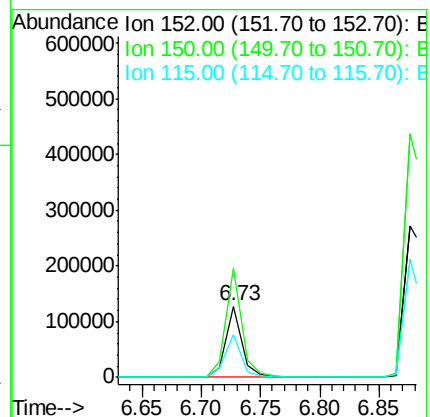
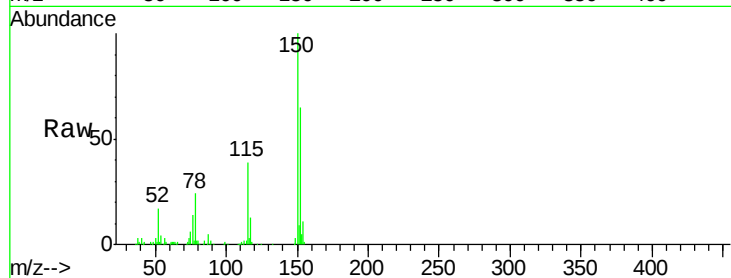
Tgt Ion:152 Resp: 117684

Ion Ratio Lower Upper

152 100

150 153.5 124.2 186.2

115 59.8 47.0 70.6



#5

2-Fluorophenol

Concen: 123.07 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

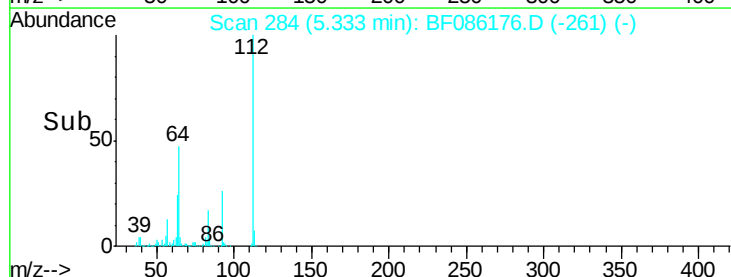
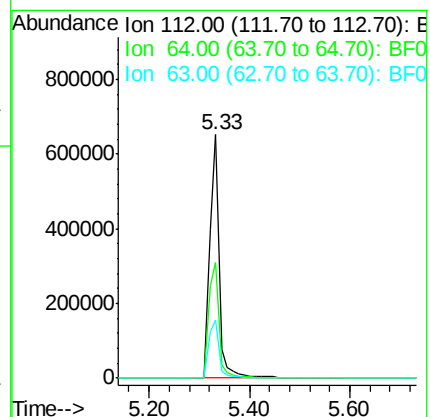
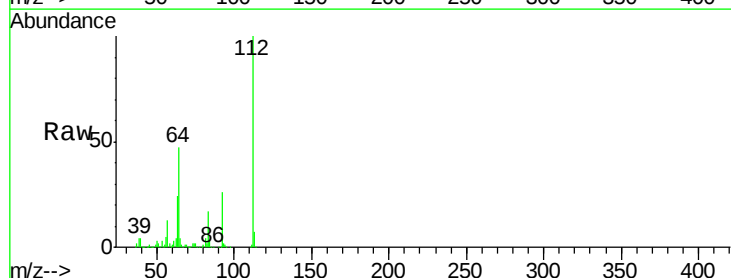
Tgt Ion:112 Resp: 847339

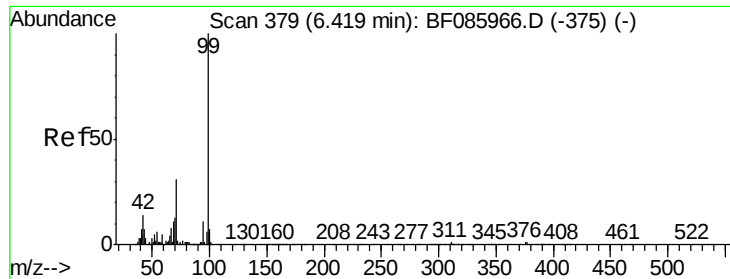
Ion Ratio Lower Upper

112 100

64 47.3 39.9 59.9

63 23.8 20.2 30.2





#7

Phenol-d6

Concen: 105.02 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.05 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

Instrument :

BNA_F

ClientSampleId :

PB89682BL

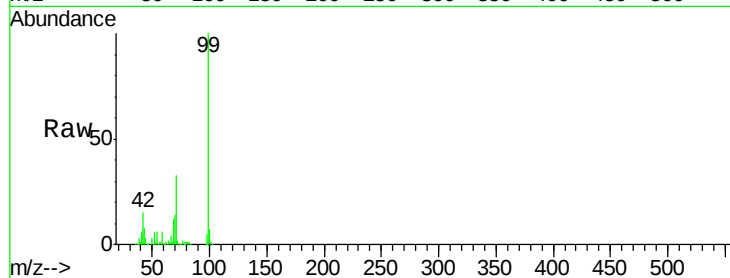
Tgt Ion: 99 Resp: 918435

Ion Ratio Lower Upper

99 100

42 15.3 11.1 16.7

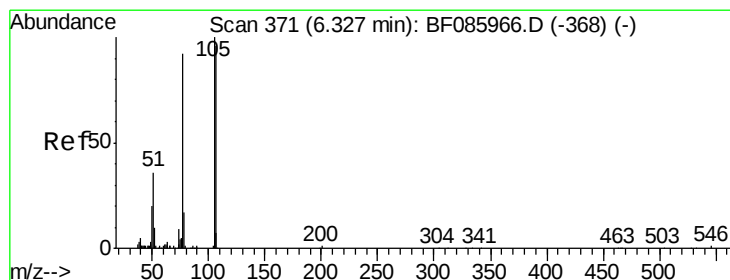
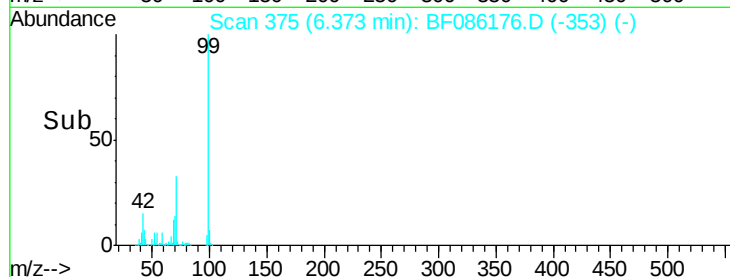
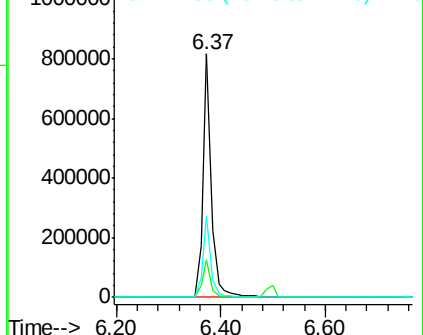
71 33.4 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.97 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.17 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

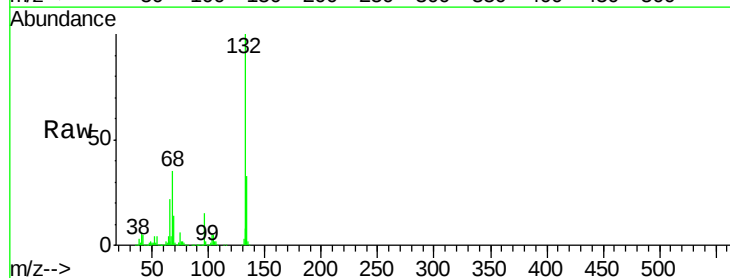
Tgt Ion: 77 Resp: 18662

Ion Ratio Lower Upper

77 100

105 87.5 80.1 120.1

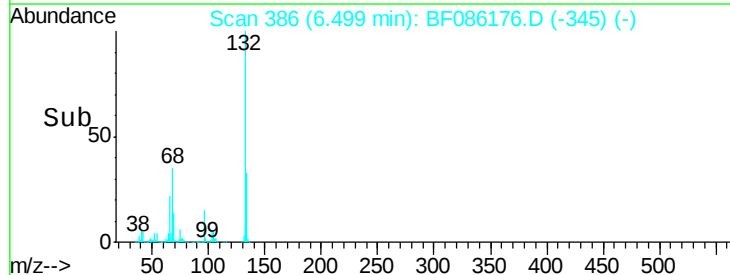
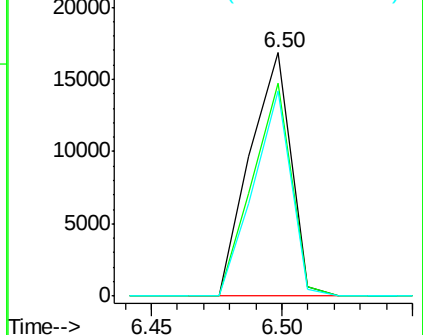
106 84.1 75.0 115.0

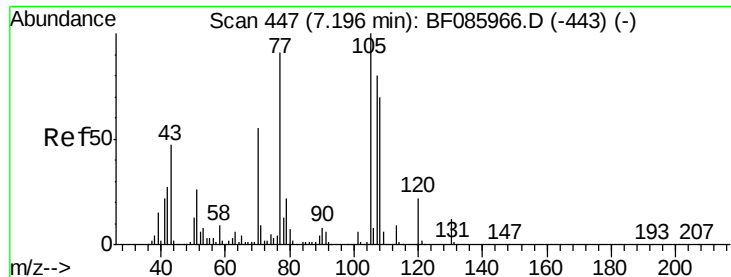


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

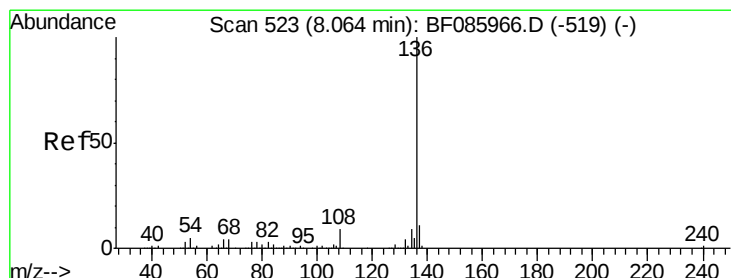
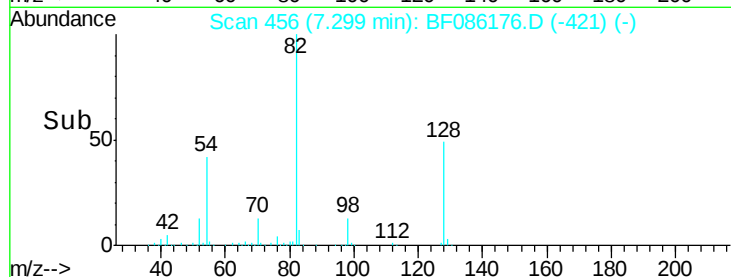
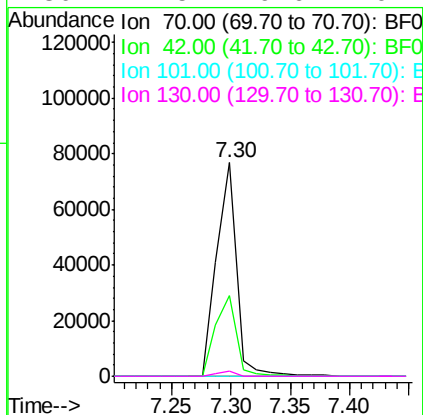
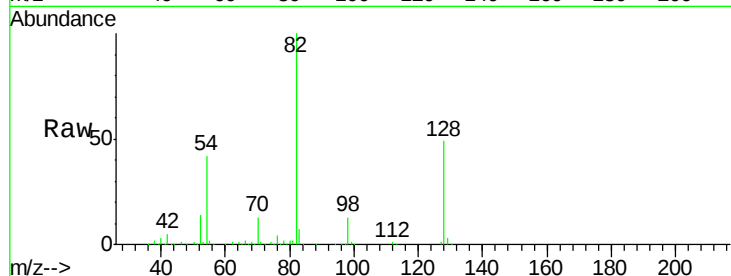




#19
n-Nitroso-di-n-propylamine
Concen: 16.37 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.10 min
Lab File: BF086176.D
Acq: 8 Apr 2016 18:59

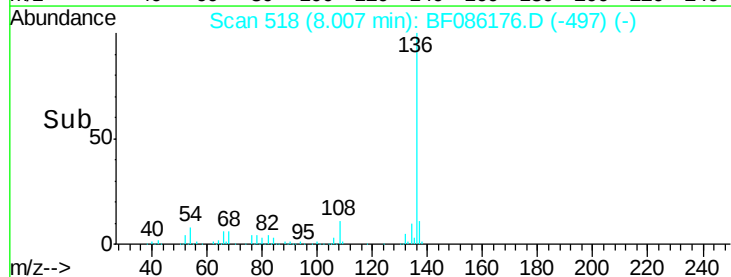
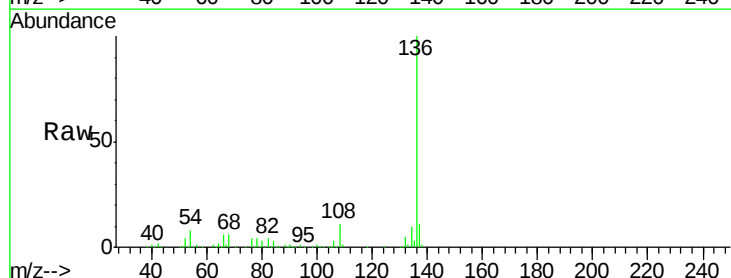
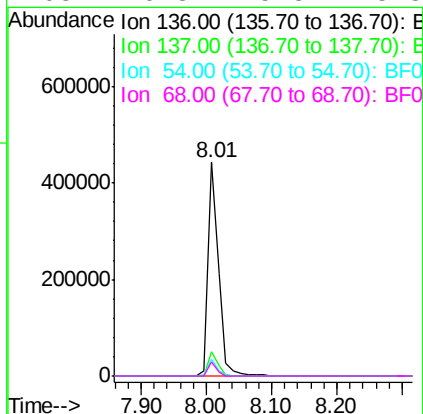
Instrument :
BNA_F
ClientSampleId :
PB89682BL

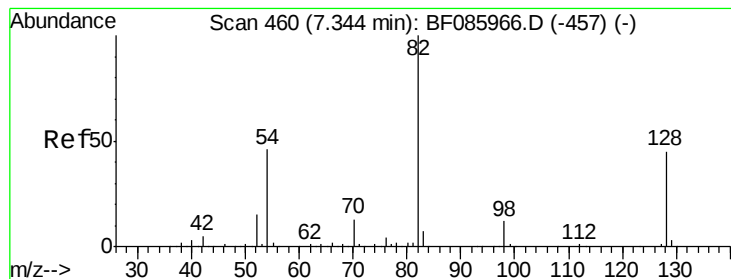
Tgt Ion: 70 Resp: 88707
Ion Ratio Lower Upper
70 100
42 37.8 37.1 55.7
101 0.0 8.6 12.8#
130 2.5 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF086176.D
Acq: 8 Apr 2016 18:59

Tgt Ion: 136 Resp: 491257
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.0 7.4 11.0
68 6.3 5.8 8.8





#23

Nitrobenzene-d5

Concen: 82.34 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

Instrument :

BNA_F

ClientSampleId :

PB89682BL

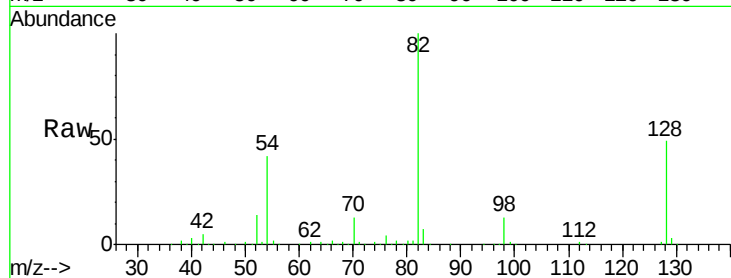
Tgt Ion: 82 Resp: 685888

Ion Ratio Lower Upper

82 100

128 48.9 41.8 62.8

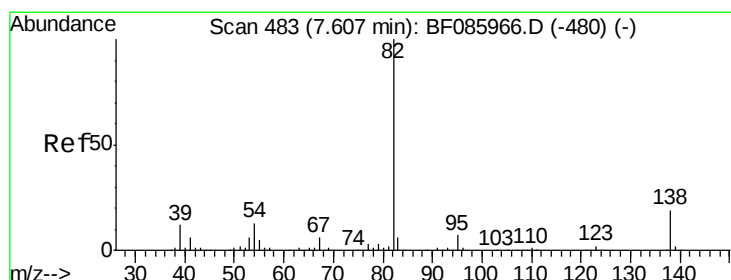
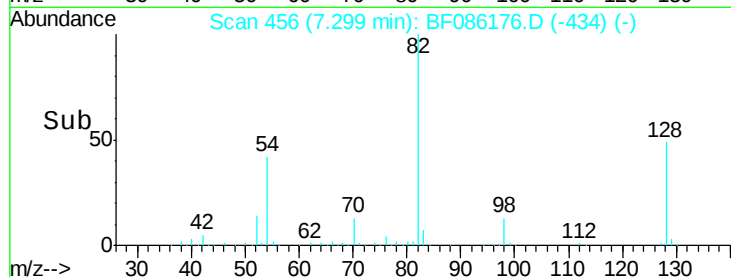
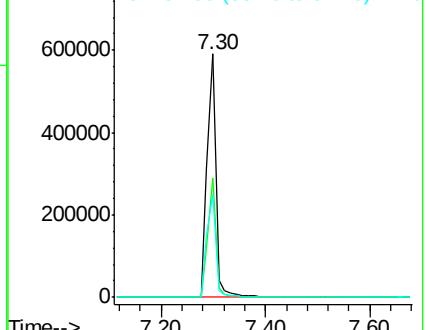
54 42.4 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 41.67 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

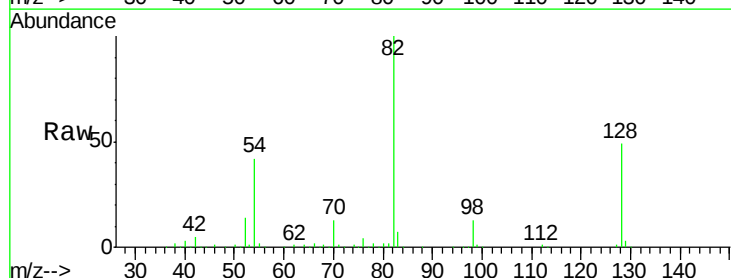
Tgt Ion: 82 Resp: 685208

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

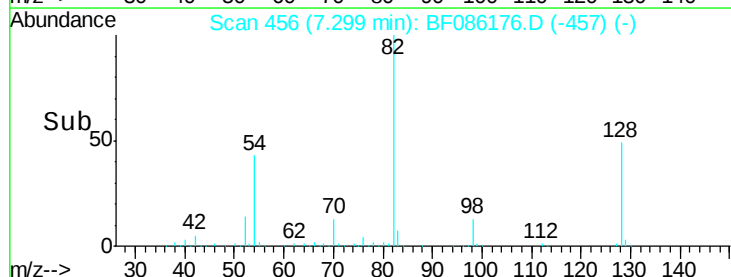
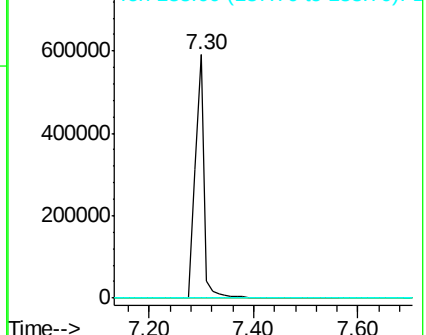
138 0.0 12.9 19.3#

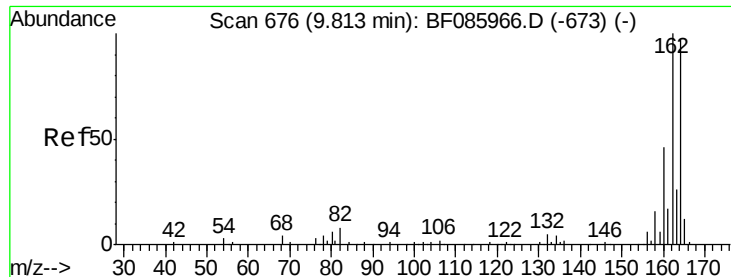


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

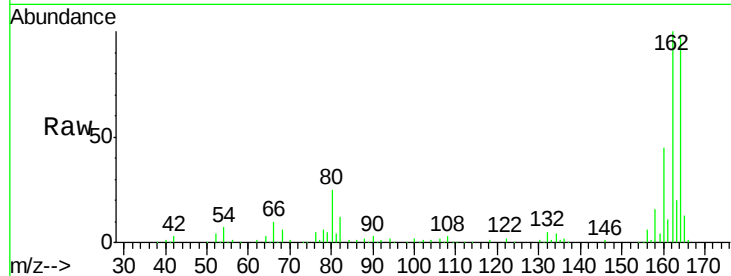




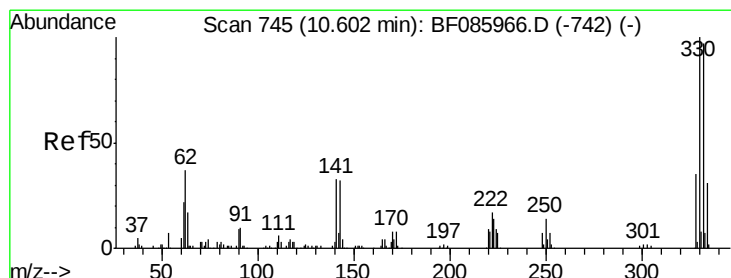
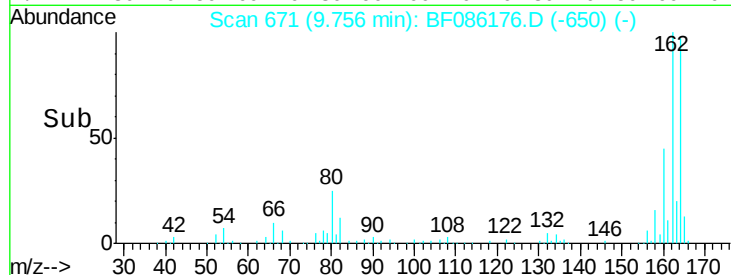
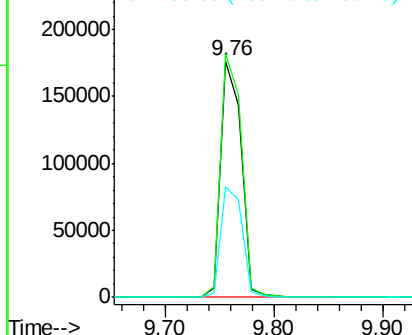
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.06 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

Instrument :
 BNA_F
 ClientSampleID :
 PB89682BL

Tgt Ion:164 Resp: 231422
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.1 123.1
 160 46.7 37.4 56.2

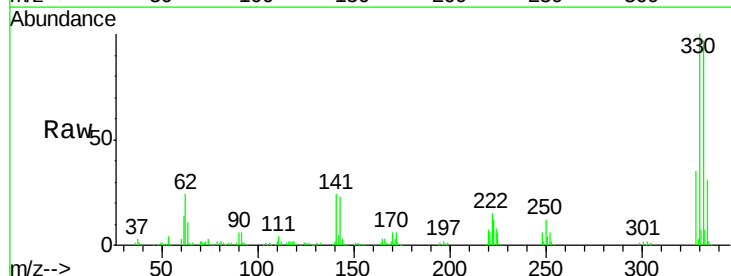


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

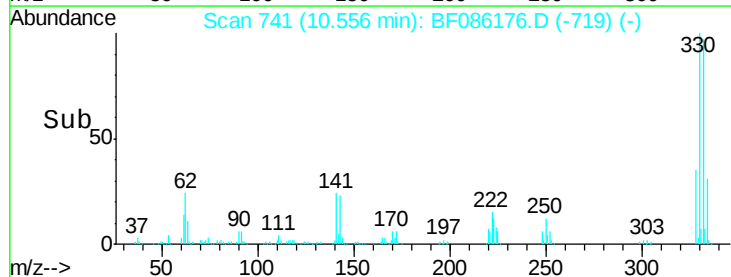
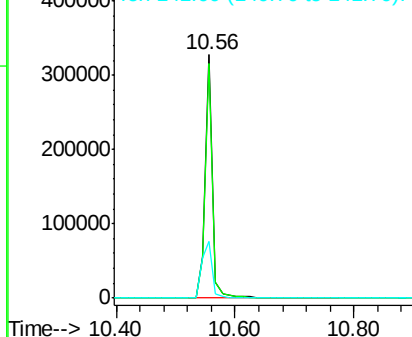


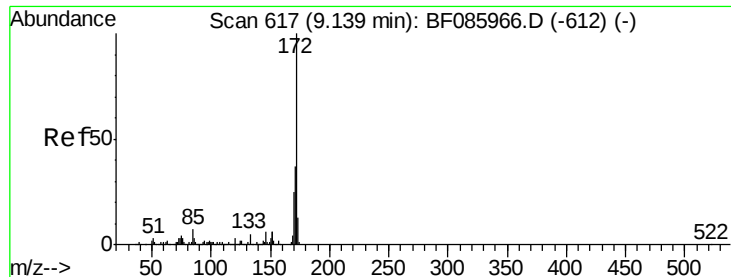
#41
 2,4,6-Tribromophenol
 Concen: 134.75 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

Tgt Ion:330 Resp: 292697
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.2 117.2
 141 34.0 31.5 47.3



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

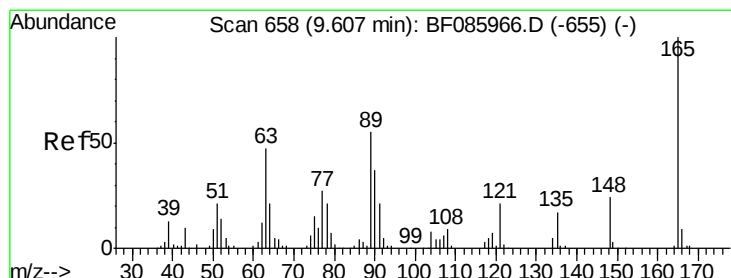
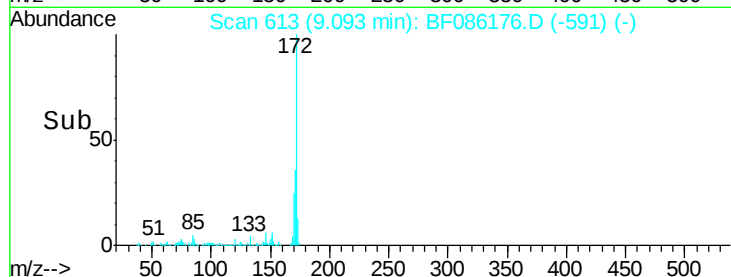
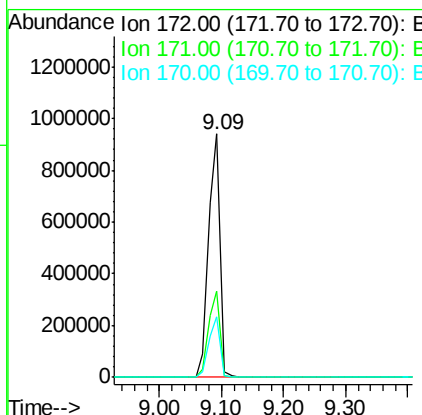
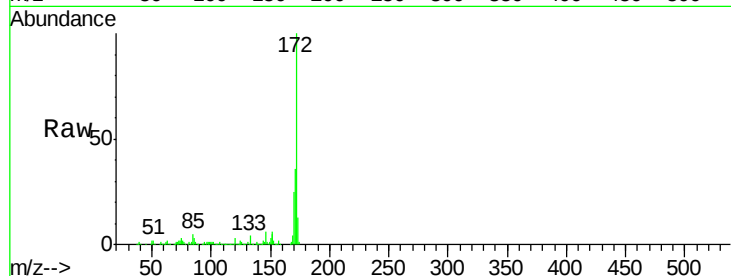




#44
 2-Fluorobiphenyl
 Concen: 86.31 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

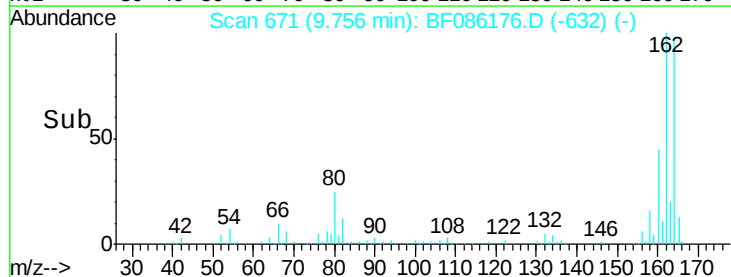
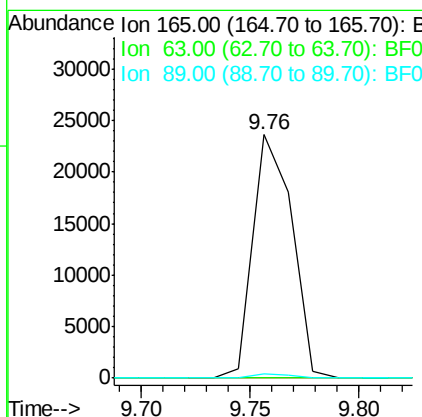
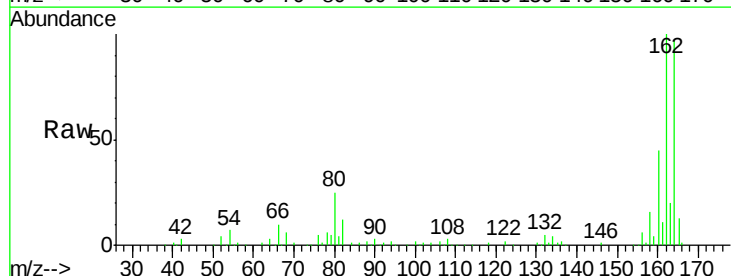
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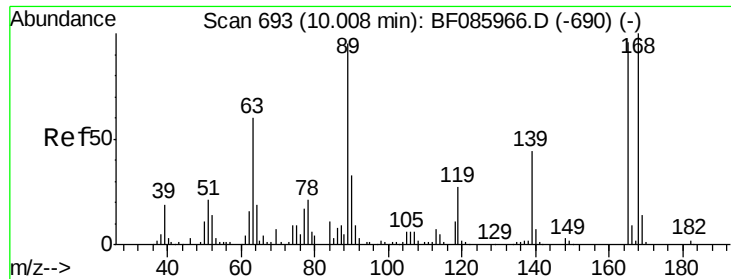
Tgt Ion:172 Resp: 1201345
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.2
 170 24.7 19.8 29.6



#50
 2,6-Dinitrotoluene
 Concen: 8.18 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.15 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

Tgt Ion:165 Resp: 29668
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.8#
 89 1.5 53.7 80.5#

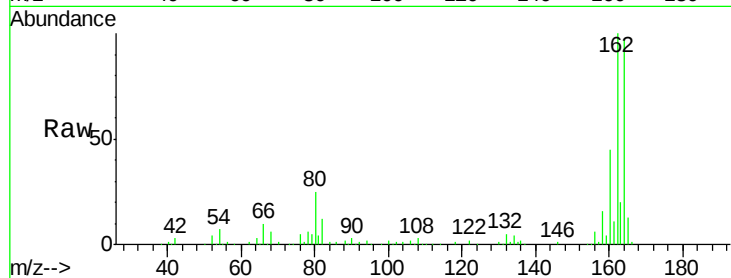




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.25 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

Instrument :
 BNA_F
 ClientSampleId :
 PB89682BL

Tgt Ion:	165	Resp:	29670
Ion Ratio	Lower	Upper	
165	100		
63	0.0	24.9	37.3#
89	1.5	41.0	61.6#
182	0.0	2.1	3.1#

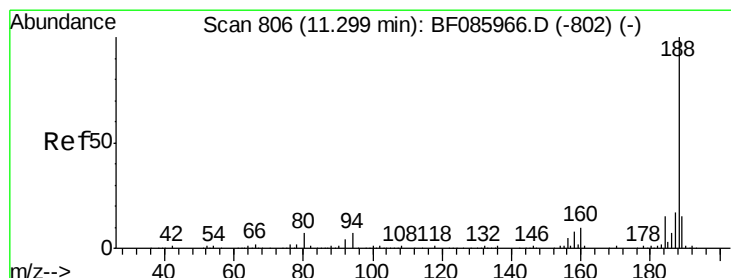
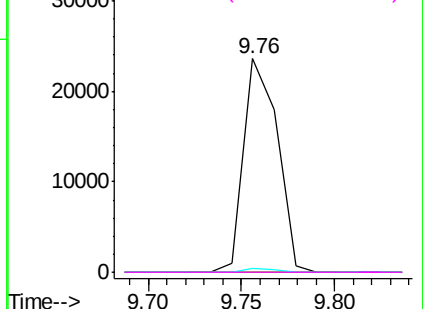
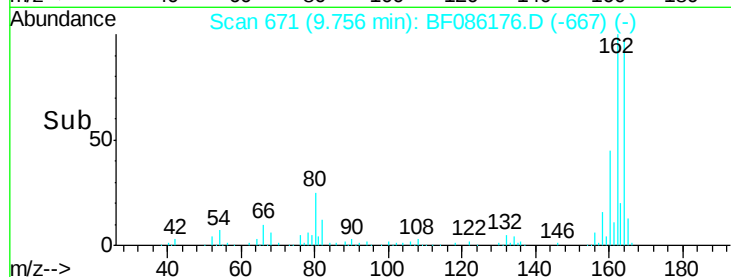


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

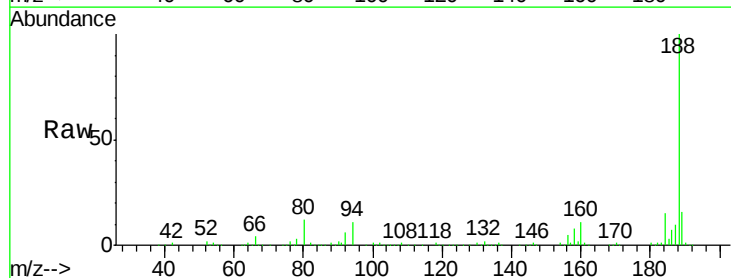
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.06 min
 Lab File: BF086176.D
 Acq: 8 Apr 2016 18:59

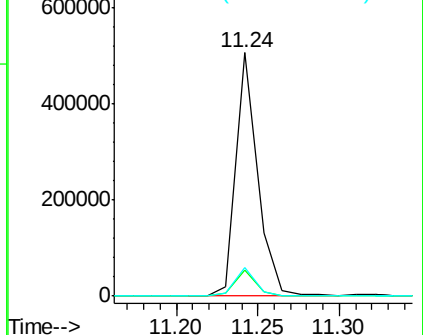
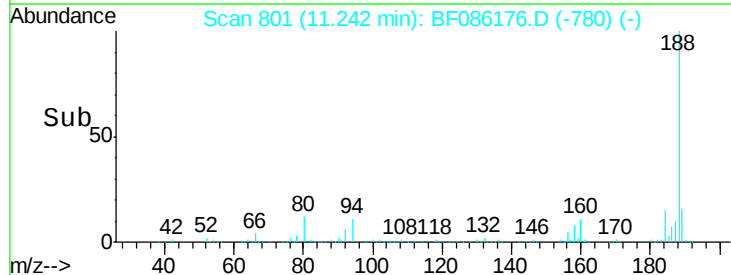
Tgt Ion:	188	Resp:	465451
Ion Ratio	Lower	Upper	
188	100		
94	10.9	5.4	8.0#
80	11.6	5.5	8.3#

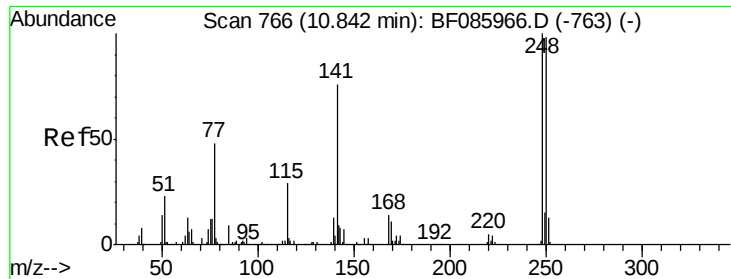


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.97 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.29 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

Instrument :

BNA_F

ClientSampleId :

PB89682BL

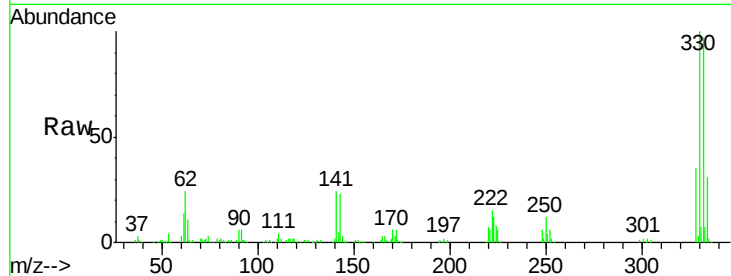
Tgt Ion:248 Resp: 18868

Ion Ratio Lower Upper

248 100

250 196.2 77.4 116.0#

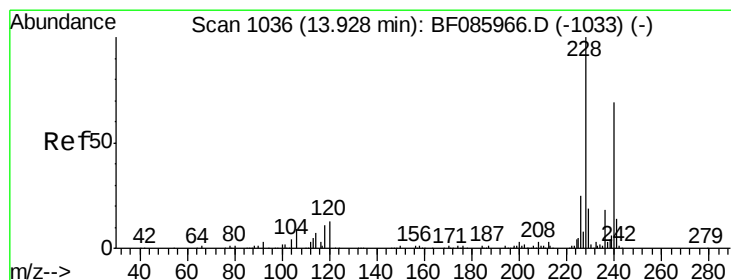
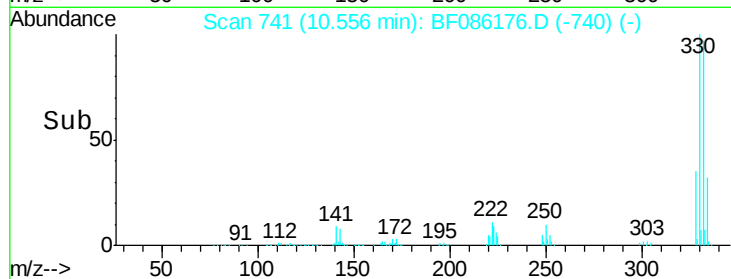
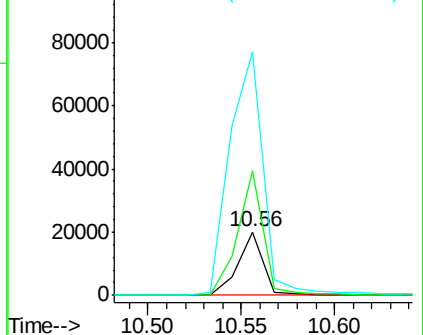
141 385.4 63.6 95.4#



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: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

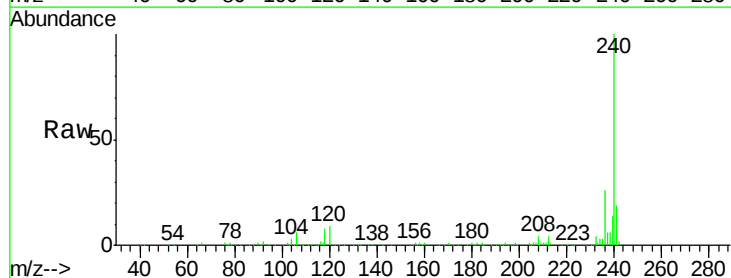
Tgt Ion:240 Resp: 345381

Ion Ratio Lower Upper

240 100

120 9.0 13.8 20.8#

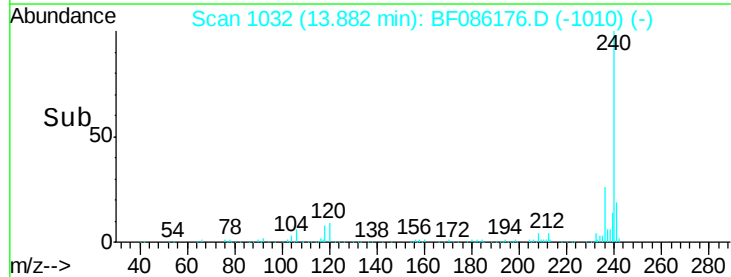
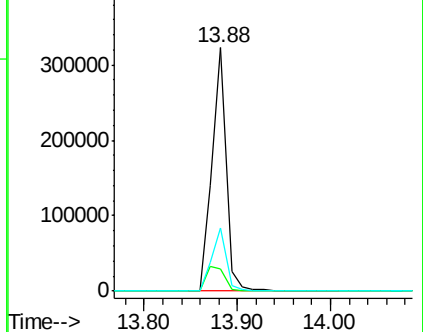
236 26.1 20.6 30.8

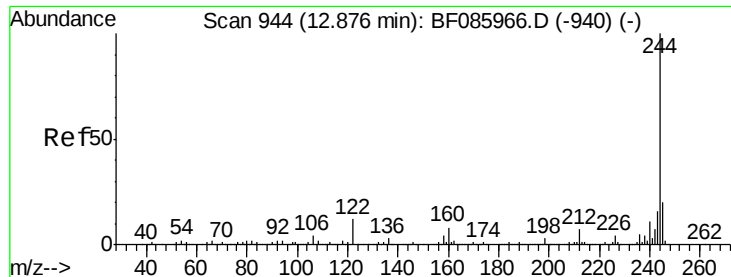


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.23 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.05 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

Instrument :

BNA_F

ClientSampleId :

PB89682BL

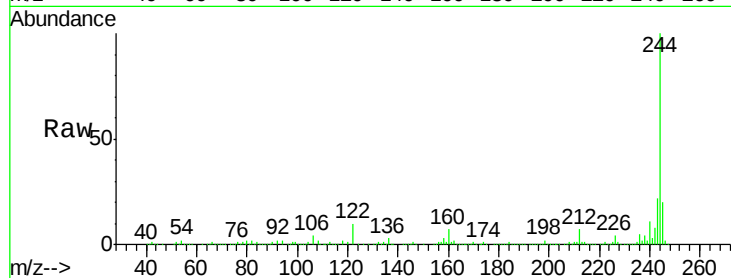
Tgt Ion:244 Resp: 1134804

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

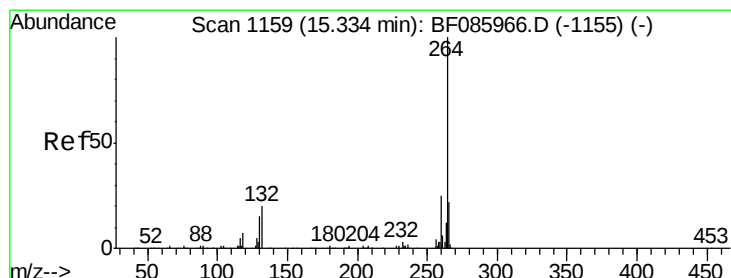
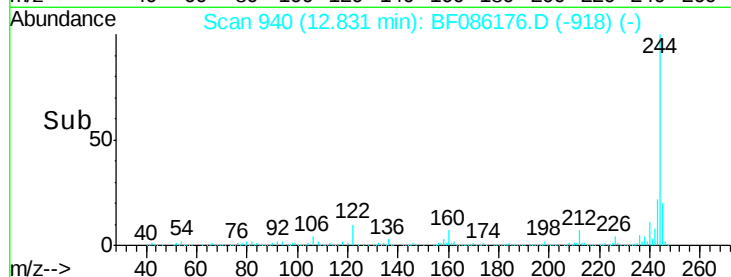
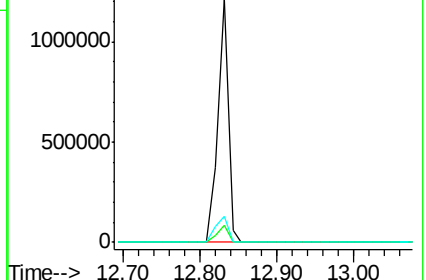
122 10.4 10.2 15.4



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: 15.28 min Scan# 1154

Delta R.T. -0.06 min

Lab File: BF086176.D

Acq: 8 Apr 2016 18:59

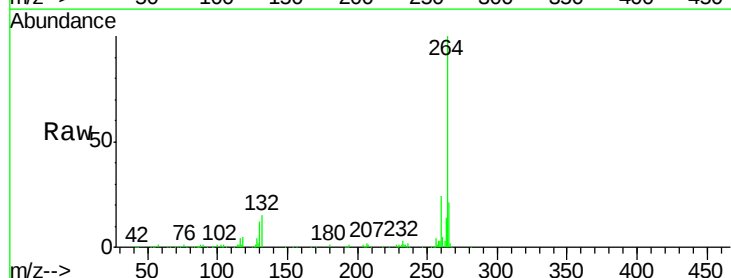
Tgt Ion:264 Resp: 249132

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.4 17.2 25.8



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

