

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084906.D
 Acq On : 6 Feb 2016 12:40
 Operator : SJ/IZ
 Sample : PB88196TB
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88196TB

Quant Time: Feb 08 01:20:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	182454	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	712572	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	319837	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	540516	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	372004	20.00	ng	-0.03
86) Perylene-d12	15.17	264	333671	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1367508	116.74	ng	-0.01
7) Phenol-d6	6.32	99	1535126	105.71	ng	-0.02
23) Nitrobenzene-d5	7.23	82	920835	72.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	373444	111.94	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1530684	78.56	ng	-0.03
78) Terphenyl-d14	12.76	244	1266396	77.14	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	128619	14.13	ng	# 71
50) 2,6-Dinitrotoluene	9.70	165	40665	7.64	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	40665	5.99	ng	# 21
60) 4-Chlorophenyl-phenylether	10.24	204	418	Below Cal		# 24
66) 4-Bromophenyl-phenylether	10.49	248	23974	4.02	ng	# 1
76) Benzidine	12.51	184	8022	7.30	ng	# 94

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

```
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```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

Instrument :

BNA_F

ClientSampleId :

PB88196TB

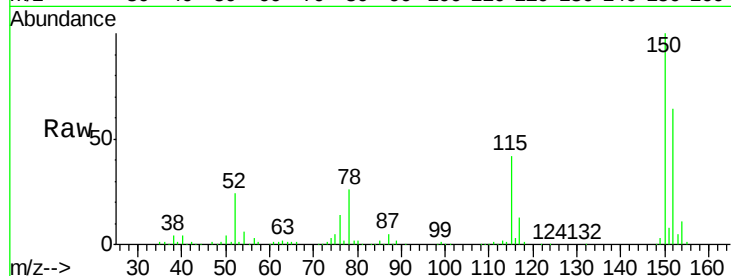
Tgt Ion:152 Resp: 182454

Ion Ratio Lower Upper

152 100

150 155.5 123.0 184.4

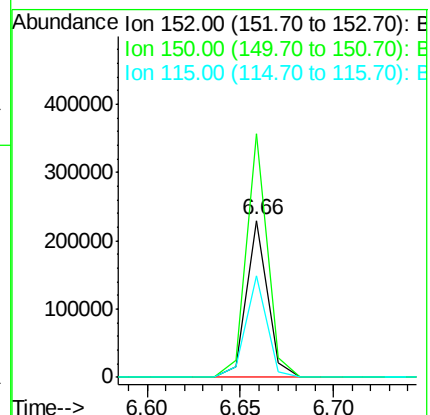
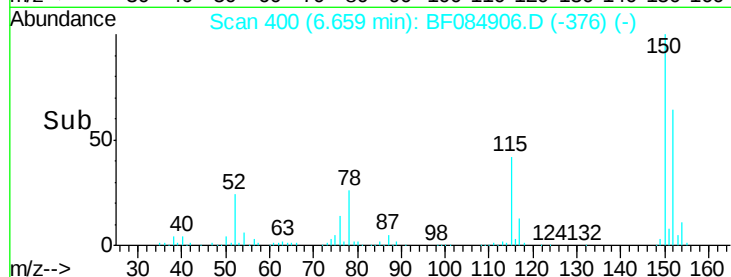
115 64.9 51.4 77.2



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: 116.74 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

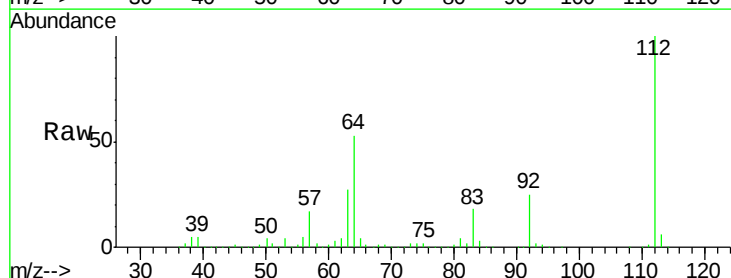
Tgt Ion:112 Resp: 1367508

Ion Ratio Lower Upper

112 100

64 52.6 36.6 55.0

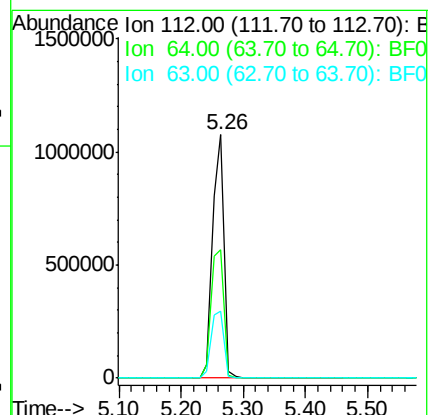
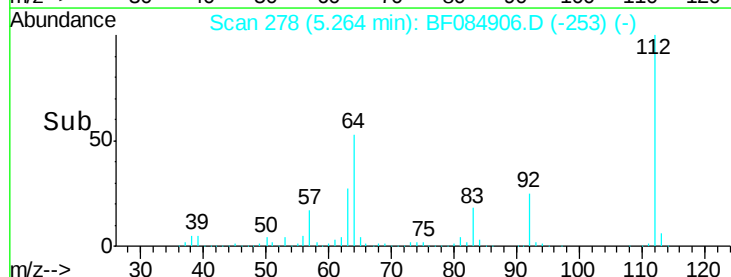
63 27.4 19.4 29.0



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: 105.71 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

Instrument :

BNA_F

ClientSampleId :

PB88196TB

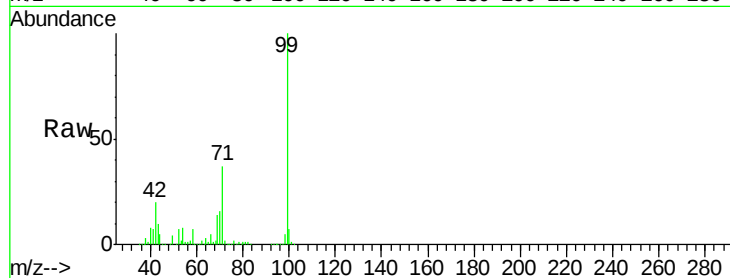
Tgt Ion: 99 Resp: 1535126

Ion Ratio Lower Upper

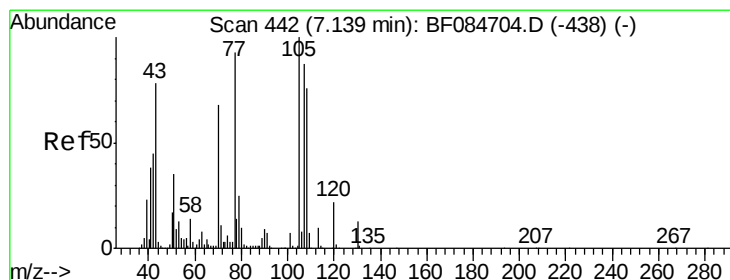
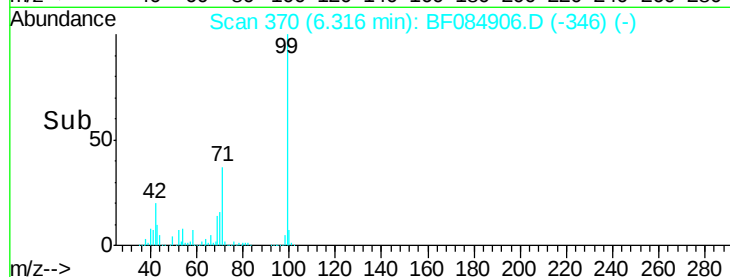
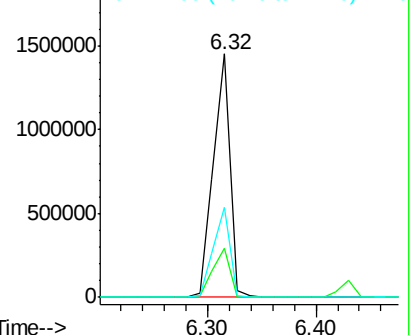
99 100

42 19.9 12.8 19.2#

71 37.1 30.9 46.3



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: 14.13 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

Tgt Ion: 70 Resp: 128619

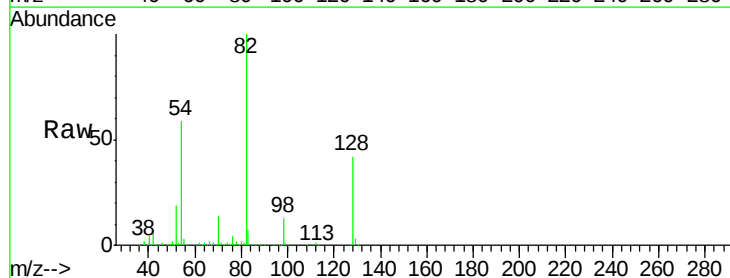
Ion Ratio Lower Upper

70 100

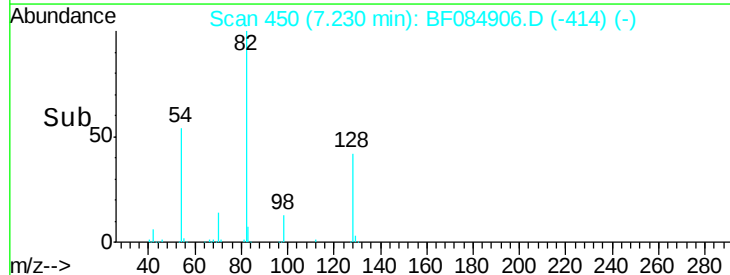
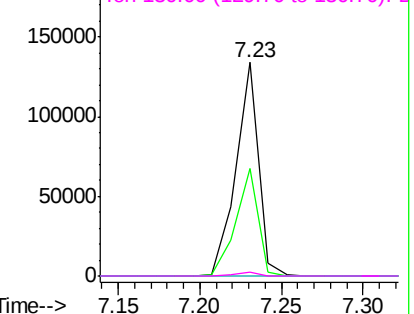
42 50.2 33.3 49.9#

101 0.0 9.3 13.9#

130 1.9 23.4 35.0#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

Instrument :

BNA_F

ClientSampleId :

PB88196TB

Tgt Ion:136 Resp: 712572

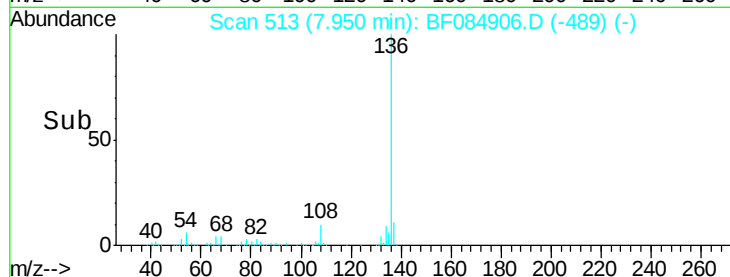
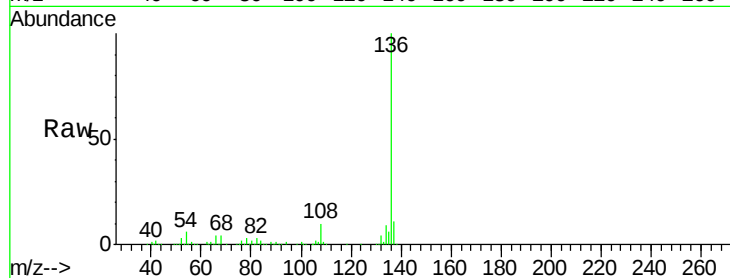
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 5.9 5.8 8.8

68 3.6 4.2 6.2#

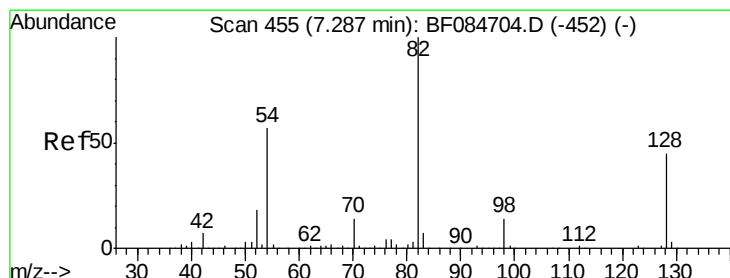
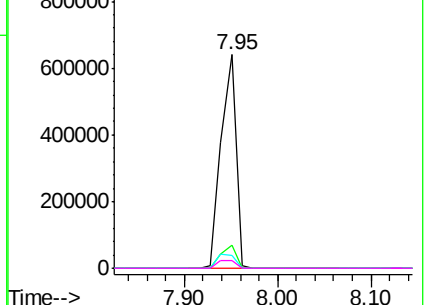


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.80 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

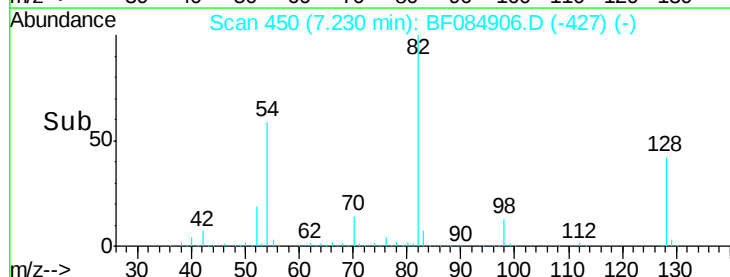
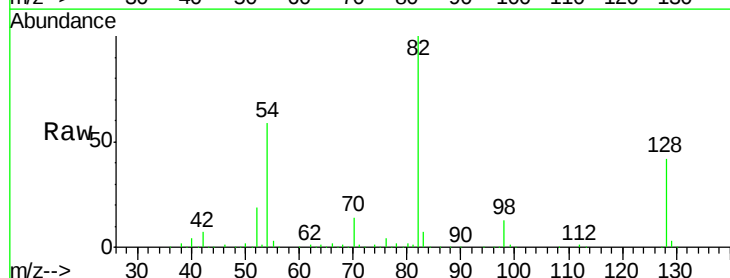
Tgt Ion: 82 Resp: 920835

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

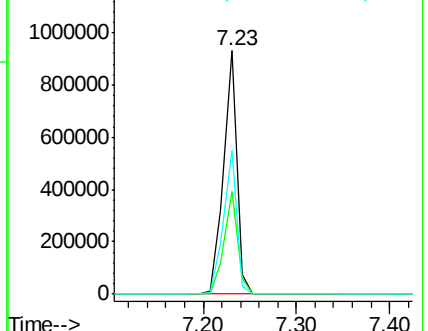
54 58.9 38.4 57.6#

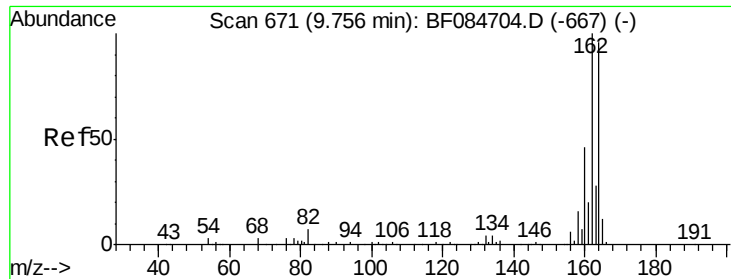


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

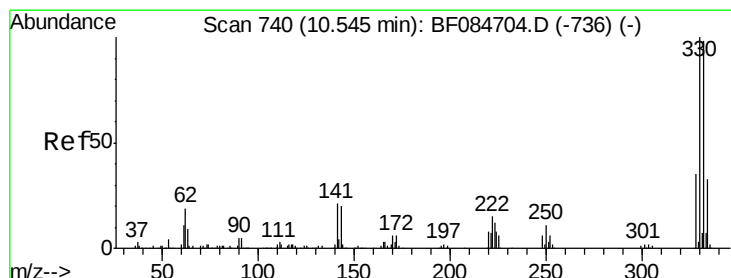
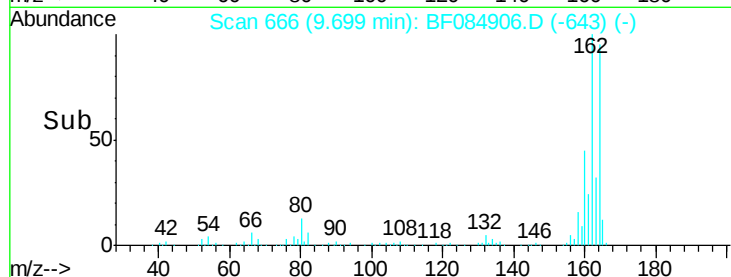
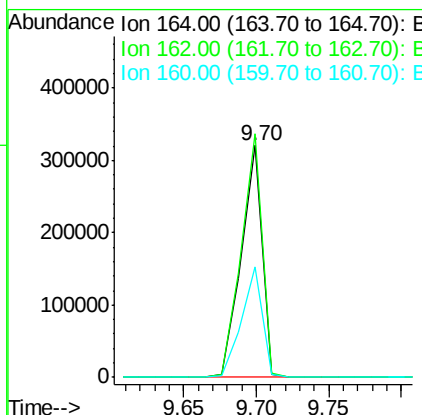
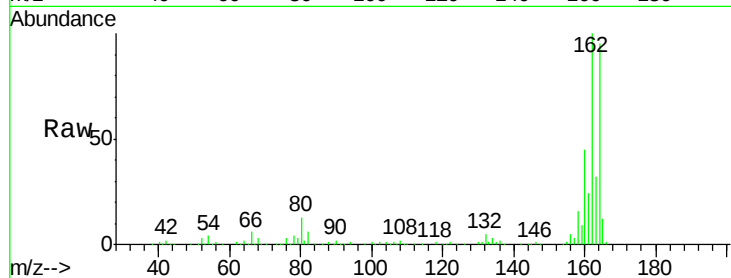




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF084906.D
Acq: 6 Feb 2016 12:40

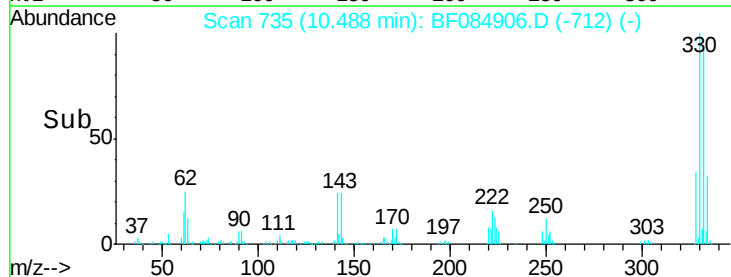
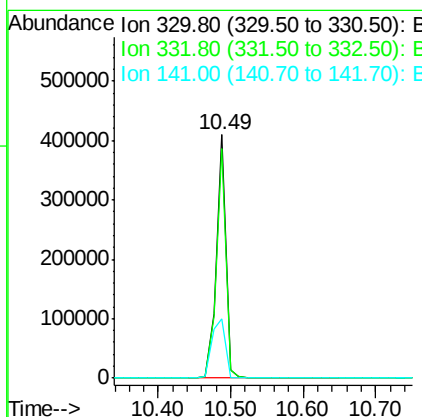
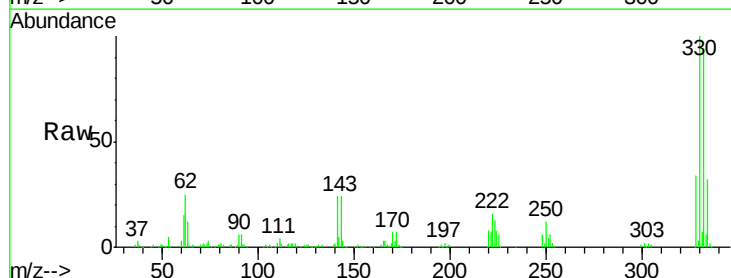
Instrument :
BNA_F
ClientSampleId :
PB88196TB

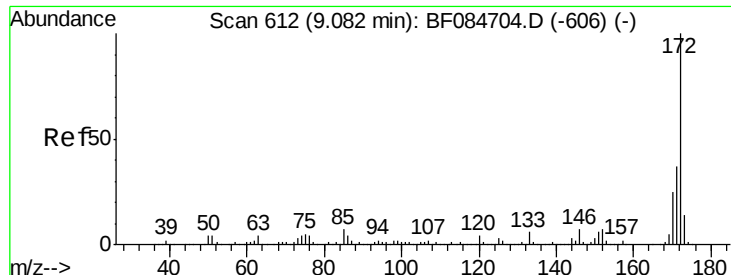
Tgt Ion:164 Resp: 319837
Ion Ratio Lower Upper
164 100
162 105.1 85.1 127.7
160 47.8 37.5 56.3



#41
2,4,6-Tribromophenol
Concen: 111.94 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF084906.D
Acq: 6 Feb 2016 12:40

Tgt Ion:330 Resp: 373444
Ion Ratio Lower Upper
330 100
332 94.7 76.6 114.8
141 34.8 27.8 41.6

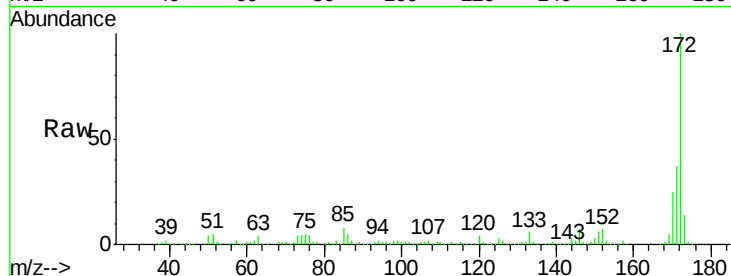




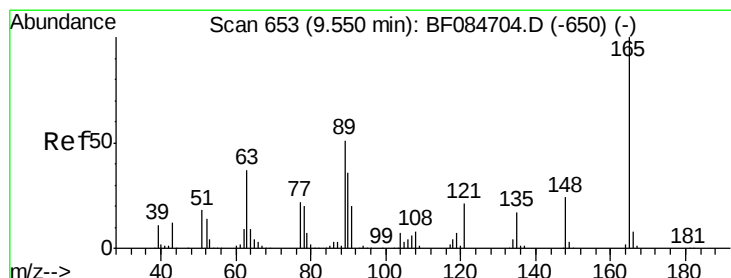
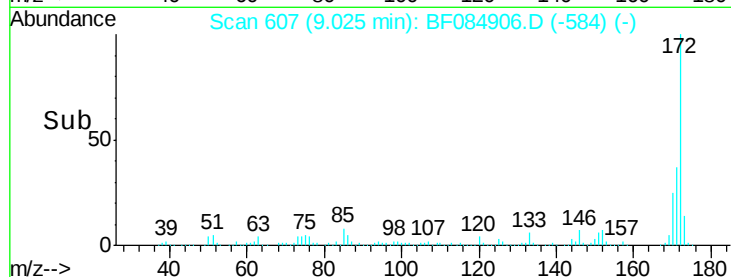
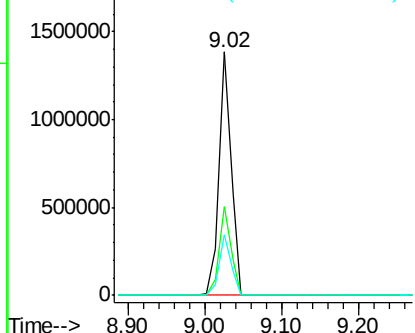
#44
 2-Fluorobiphenyl
 Concen: 78.56 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB88196TB

Tgt Ion:172 Resp: 1530684
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 24.9 18.6 27.8

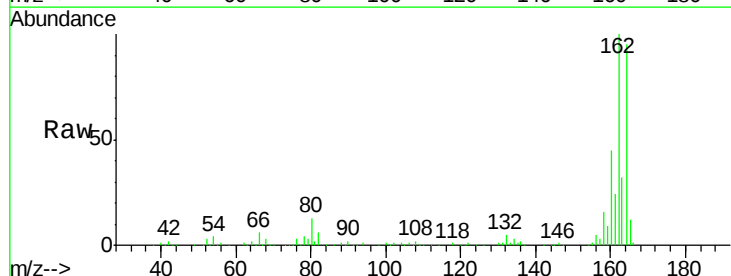


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

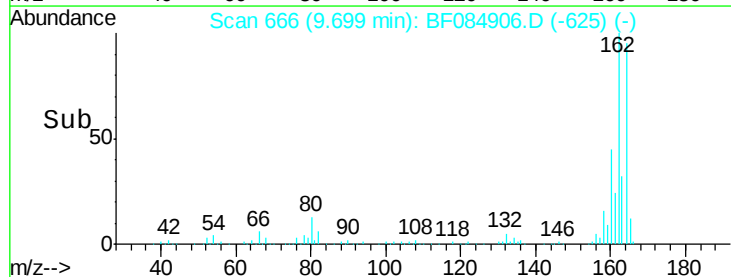
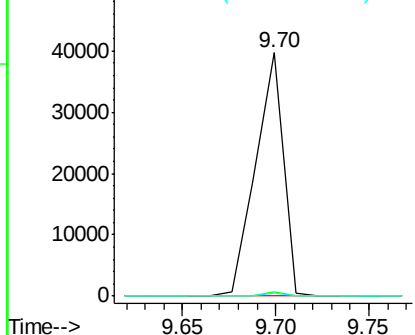


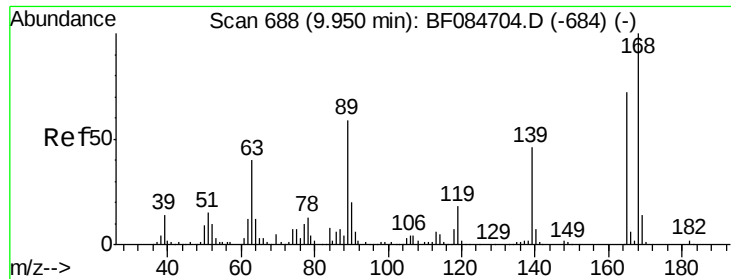
#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

Tgt Ion:165 Resp: 40665
 Ion Ratio Lower Upper
 165 100
 63 1.9 28.8 43.2#
 89 1.1 35.1 52.7#



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

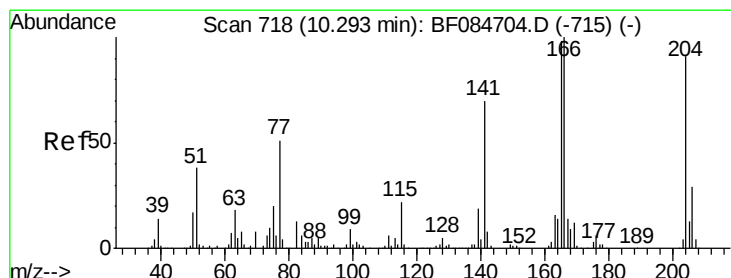
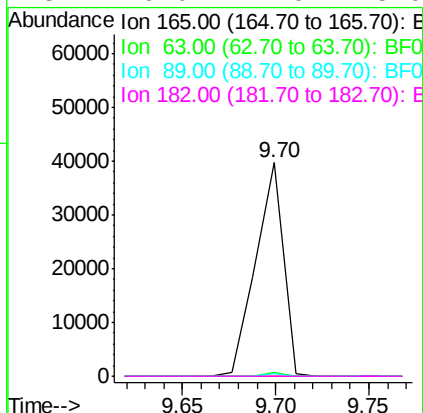
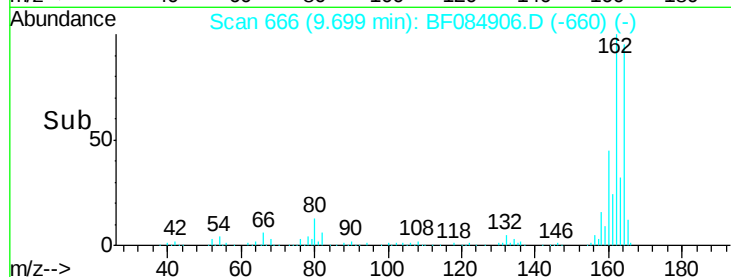
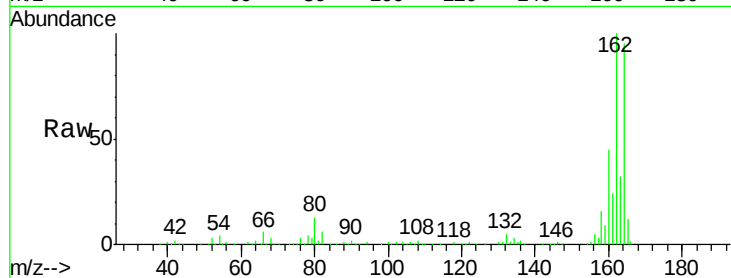




#56
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

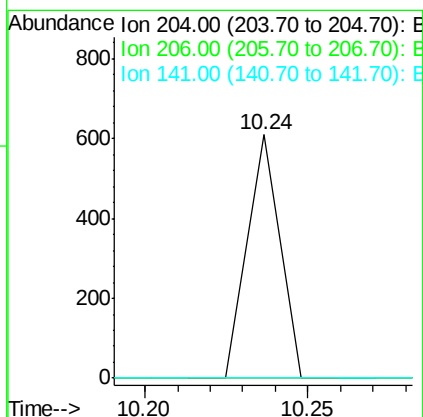
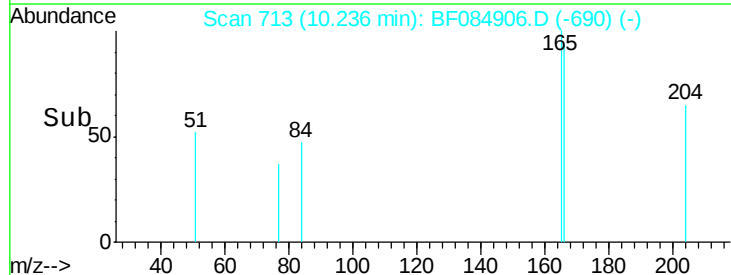
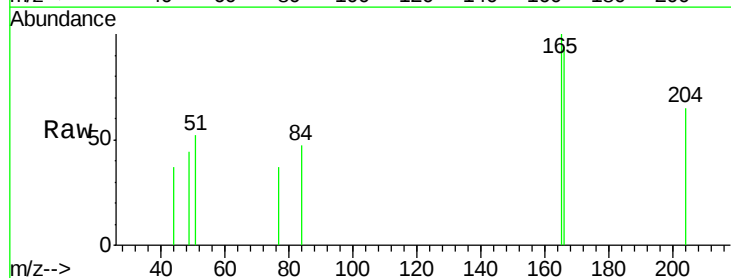
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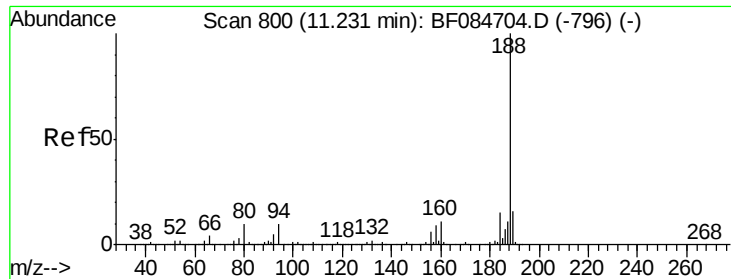
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.7	55.1#
89	1.1	61.9	92.9#
182	0.0	2.0	3.0#



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.24 min Scan# 713
 Delta R.T. -0.03 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

Tgt Ion	Ratio	Lower	Upper
204	100		
206	0.0	25.7	38.5#
141	0.0	55.1	82.7#

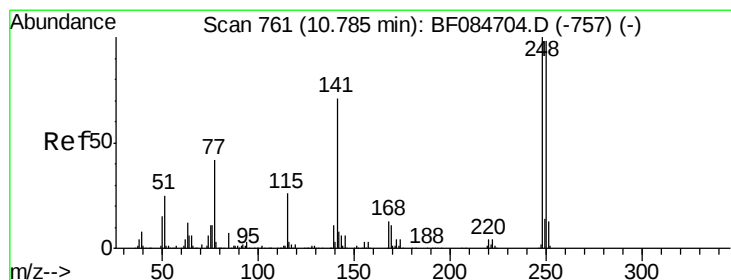
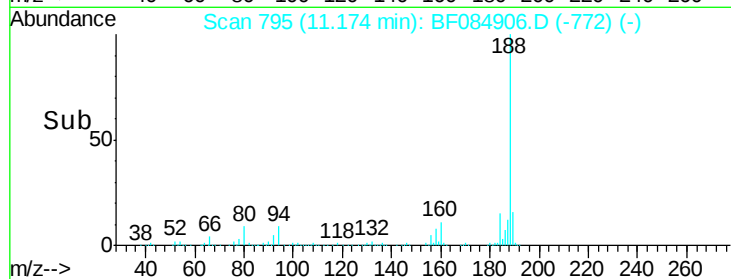
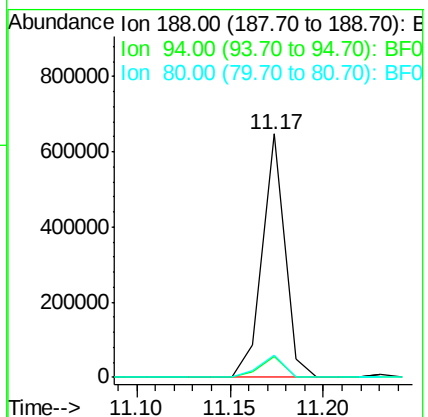
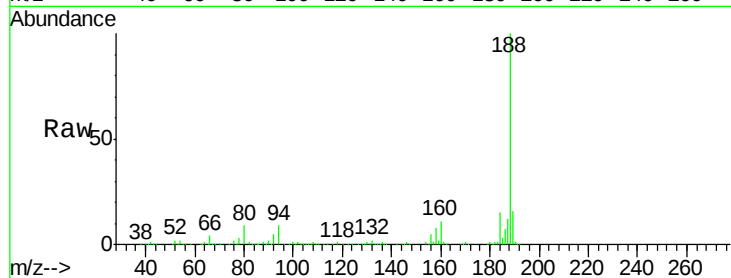




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084906.D
Acq: 6 Feb 2016 12:40

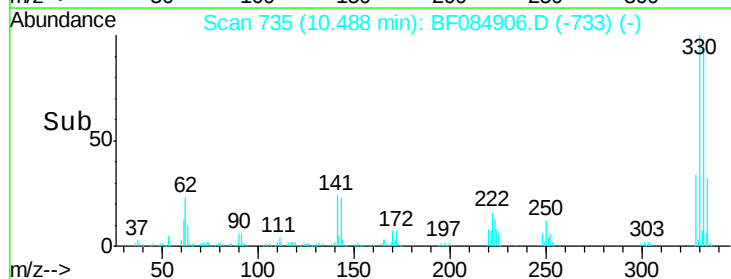
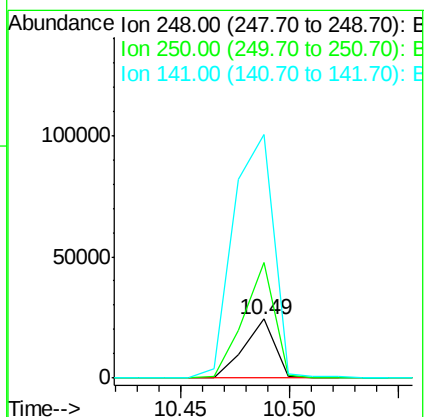
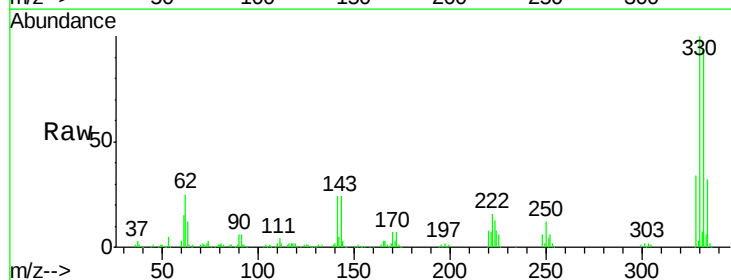
Instrument :
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PB88196TB

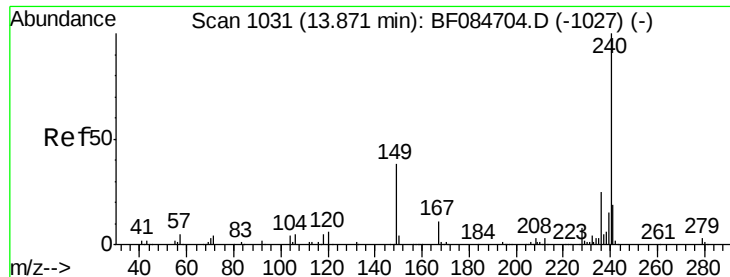
Tgt Ion:188 Resp: 540516
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.4#
80 9.3 9.6 14.4#



#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF084906.D
Acq: 6 Feb 2016 12:40

Tgt Ion:248 Resp: 23974
Ion Ratio Lower Upper
248 100
250 196.4 78.4 117.6#
141 413.5 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

Instrument :

BNA_F

ClientSampleId :

PB88196TB

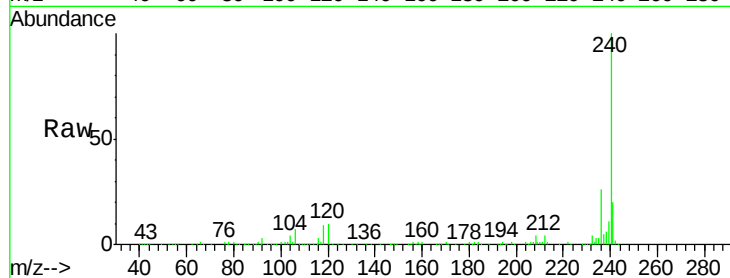
Tgt Ion:240 Resp: 372004

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

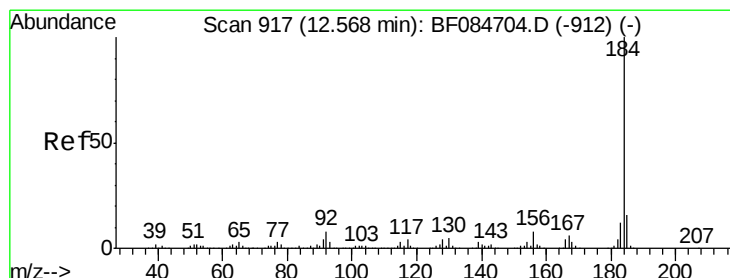
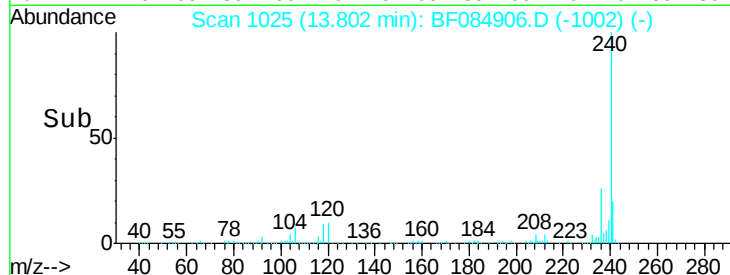
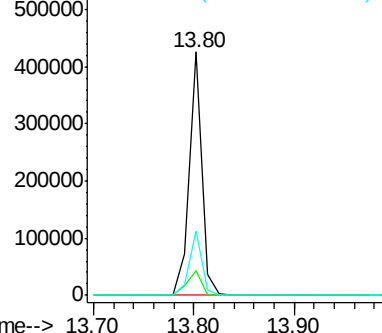
236 26.3 20.6 31.0



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



#76

Benzidine

Concen: 7.30 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF084906.D

Acq: 6 Feb 2016 12:40

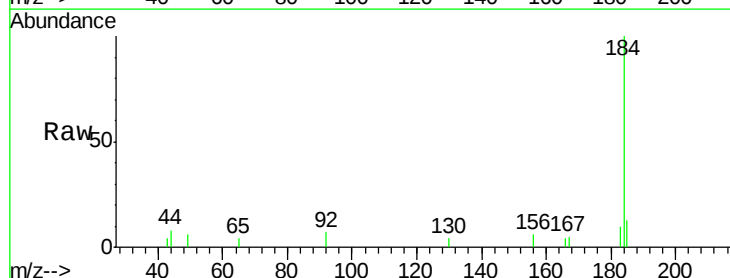
Tgt Ion:184 Resp: 8022

Ion Ratio Lower Upper

184 100

185 13.1 12.2 18.2

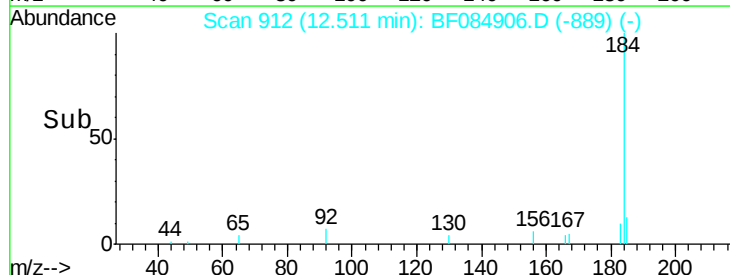
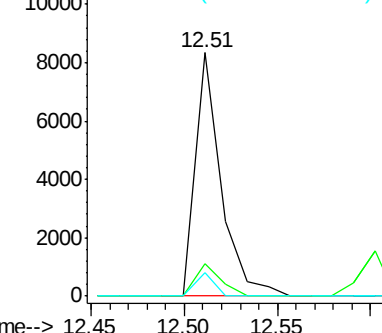
183 9.6 9.8 14.8#

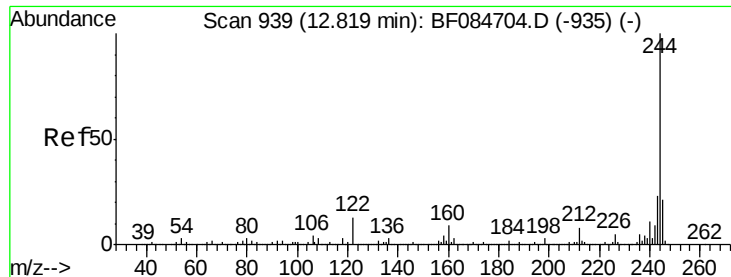


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

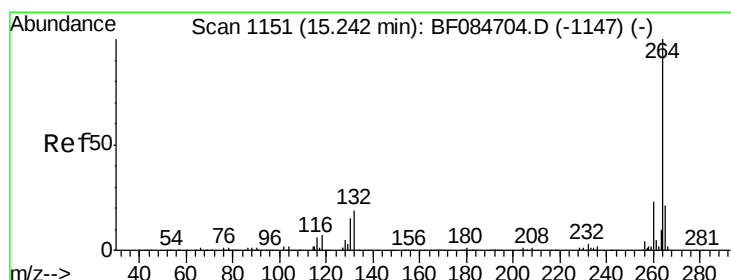
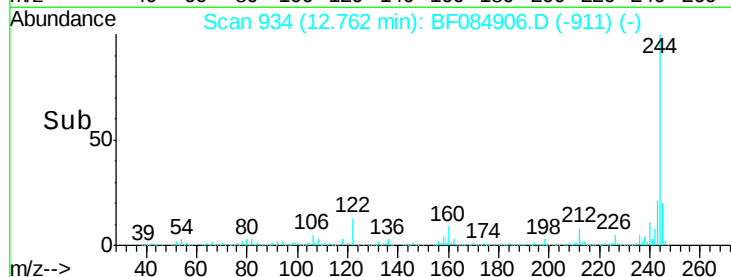
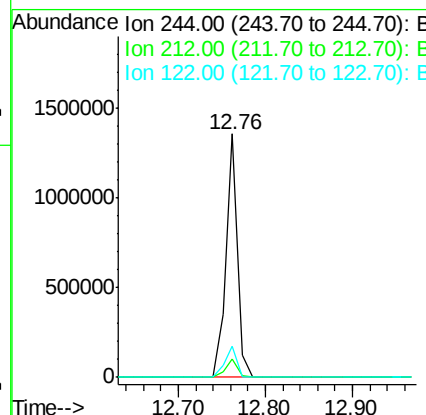
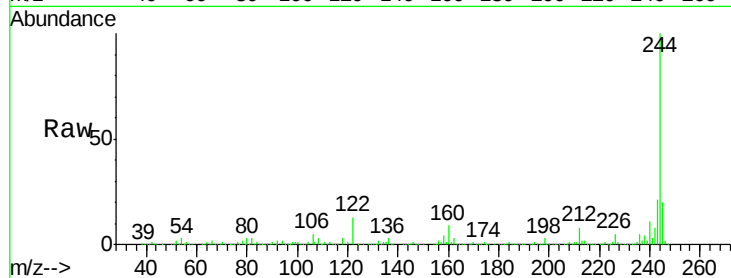




#78
 Terphenyl-d14
 Concen: 77.14 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB88196TB

Tgt Ion:244 Resp: 1266396
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 12.9 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084906.D
 Acq: 6 Feb 2016 12:40

Tgt Ion:264 Resp: 333671
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.5 17.8 26.6

