

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
 Data File : BF083406.D
 Acq On : 2 Dec 2015 8:17
 Operator : UM/IZ
 Sample : G4586-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 112515-A263-F-U-S

Quant Time: Dec 02 09:17:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

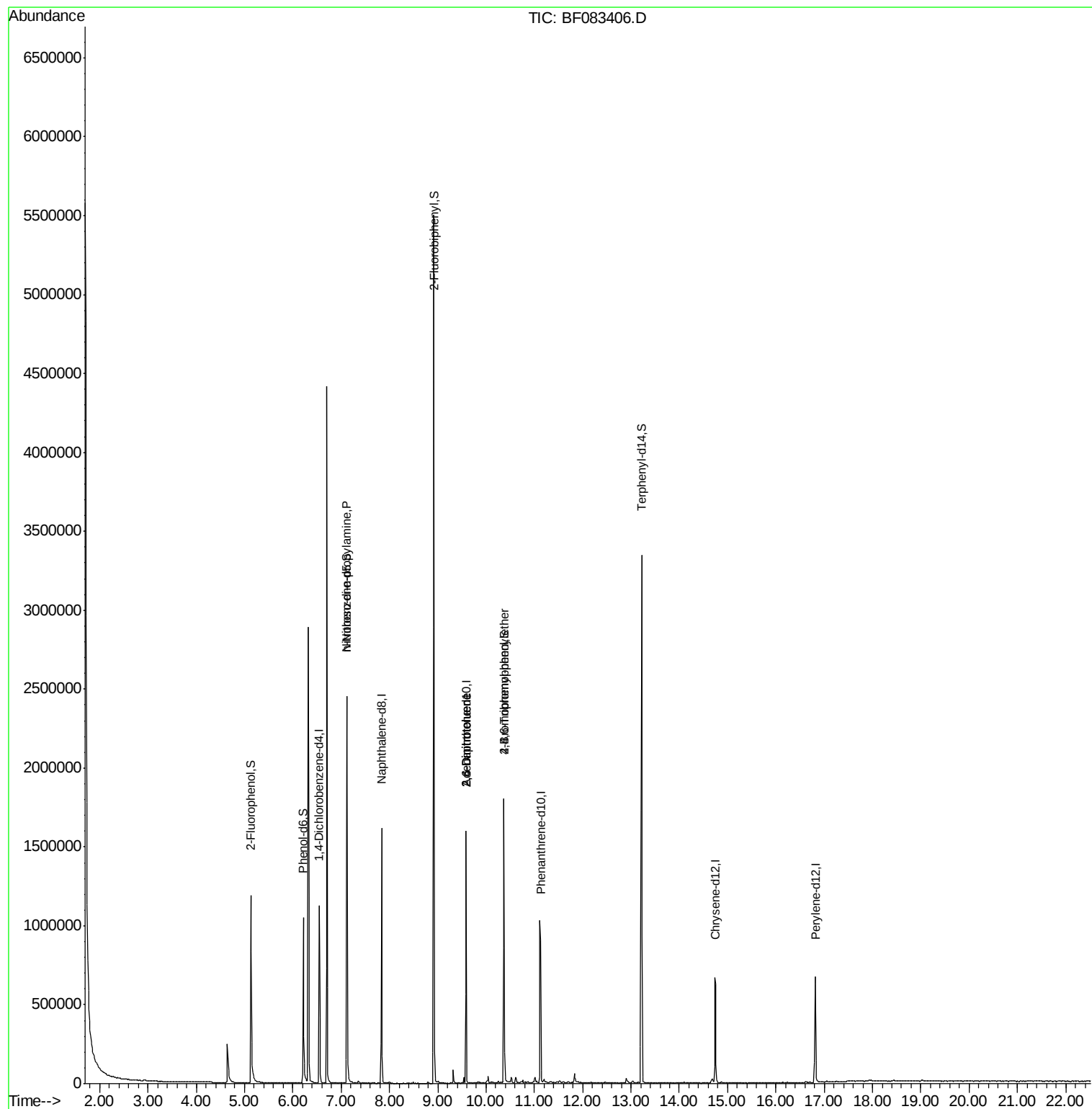
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	179011	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	676887	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	335668	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	564227	20.00	ng	0.00
75) Chrysene-d12	14.75	240	396945	20.00	ng	-0.01
86) Perylene-d12	16.82	264	421220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	492204	41.26	ng	0.00
7) Phenol-d6	6.21	99	418420	25.62	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1222201	79.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	229291	68.05	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1990998	84.53	ng	0.00
78) Terphenyl-d14	13.22	244	1422780	85.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.21	77	621	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	7.12	70	159633	13.68	ng	# 84
50) 2,6-Dinitrotoluene	9.58	165	41498	7.12	ng	# 19
56) 2,4-Dinitrotoluene	9.58	165	41498	5.61	ng	# 6
66) 4-Bromophenyl-phenylether	10.37	248	12404	2.01	ng	# 1

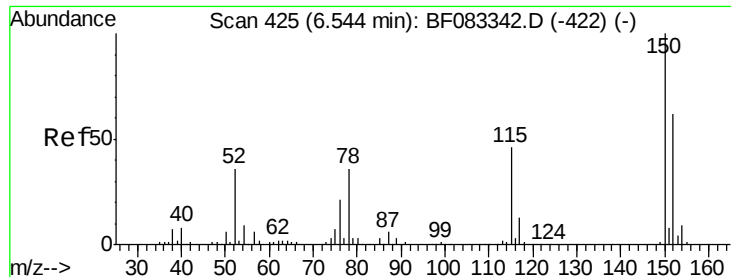
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 01 01:17:16 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-U-S

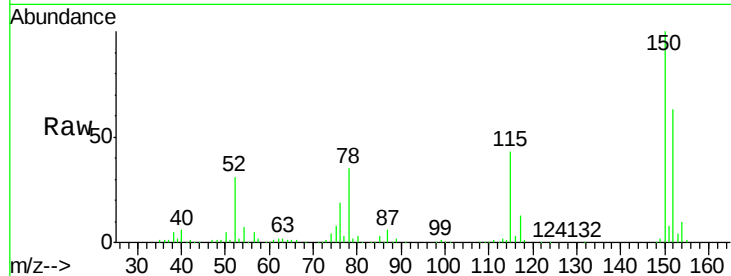
Tot Ion:152 Resp: 179011

Ion Ratio Lower Upper

152 100

150 158.2 129.8 194.8

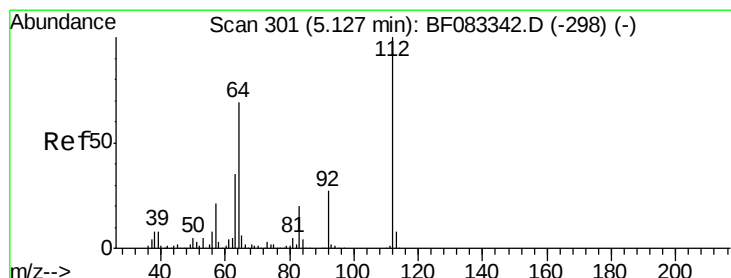
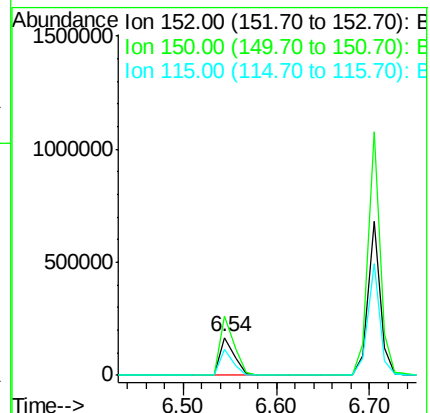
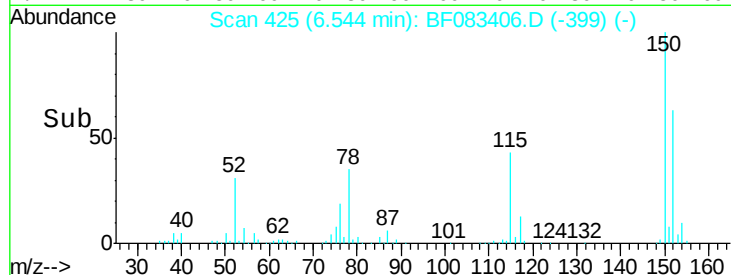
115 68.2 59.2 88.8



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: 41.26 ng

RT: 5.13 min Scan# 301

Delta R.T. 0.00 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

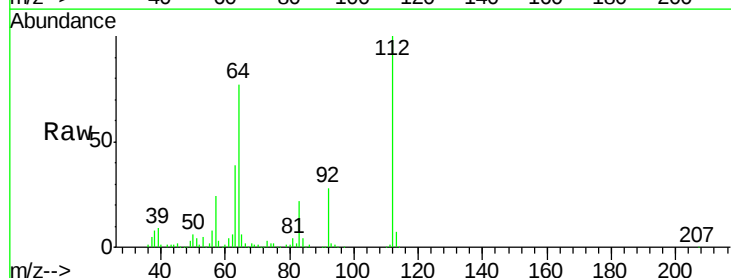
Tgt Ion:112 Resp: 492204

Ion Ratio Lower Upper

112 100

64 76.8 55.6 83.4

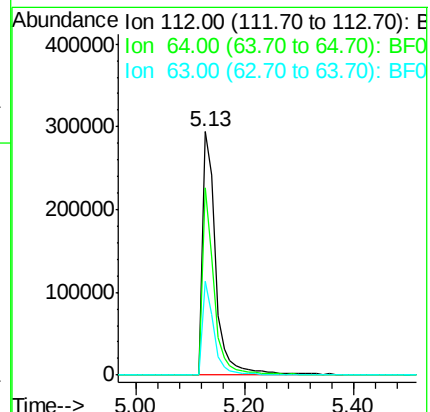
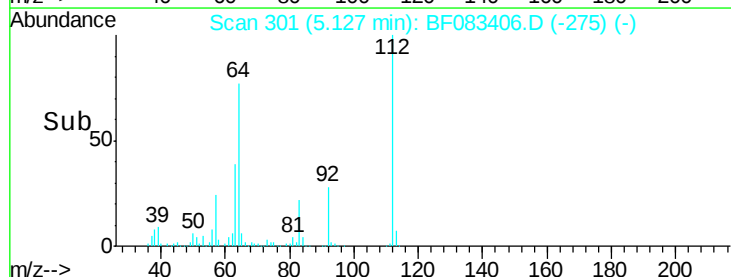
63 38.8 28.2 42.2



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: 25.62 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-U-S

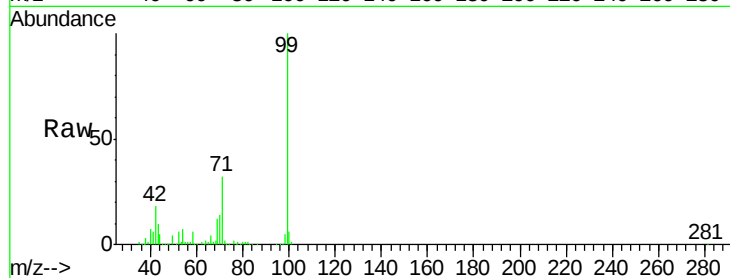
Tot Ion: 99 Resp: 418420

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

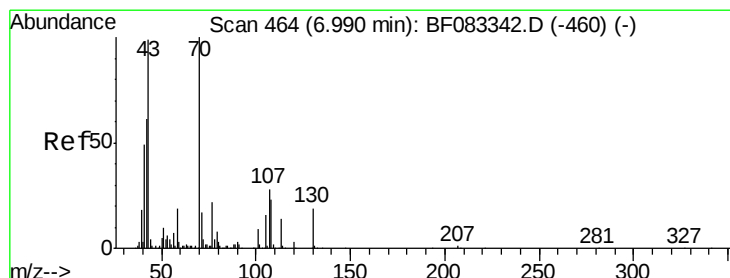
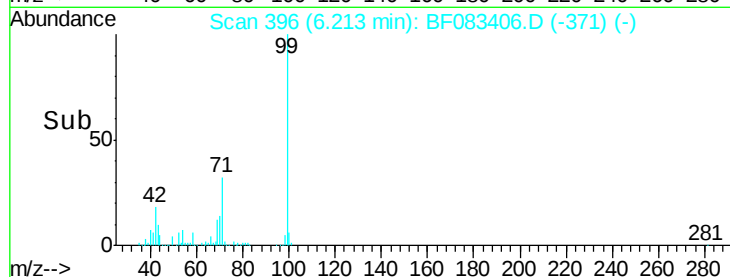
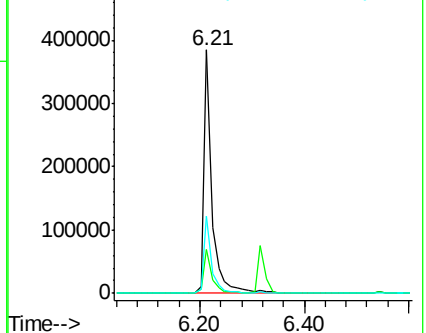
71 31.7 24.7 37.1



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: 13.68 ng

RT: 7.12 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Tgt Ion: 70 Resp: 159633

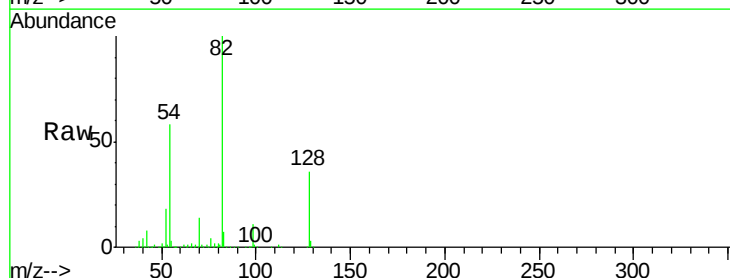
Ion Ratio Lower Upper

70 100

42 55.0 48.8 73.2

101 0.0 7.1 10.7#

130 1.6 15.0 22.6#

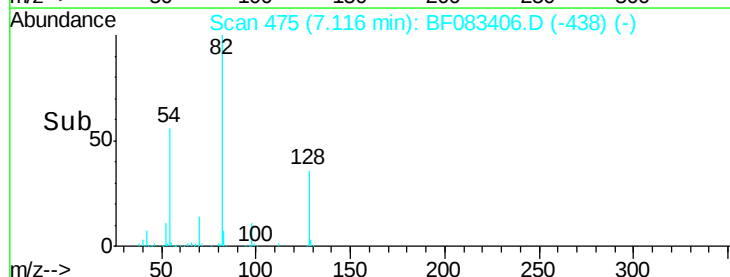
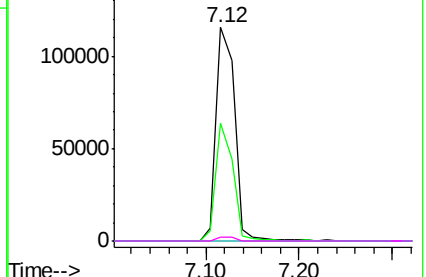


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.84 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-U-S

Tot Ion:136 Resp: 676887

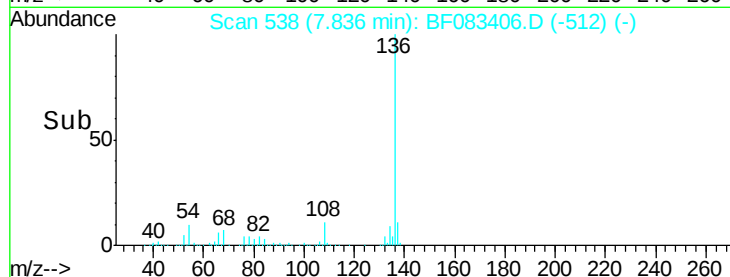
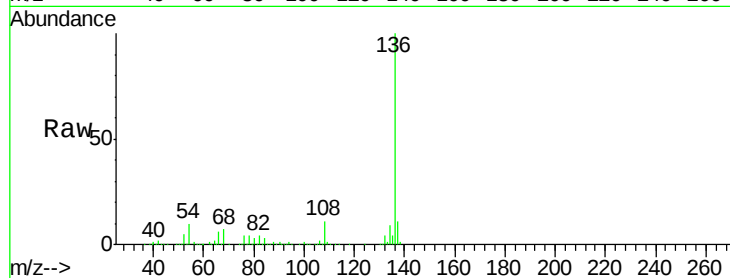
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 9.7 10.1 15.1#

68 6.7 7.1 10.7#

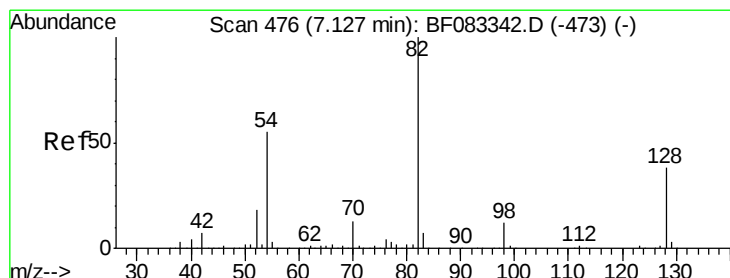
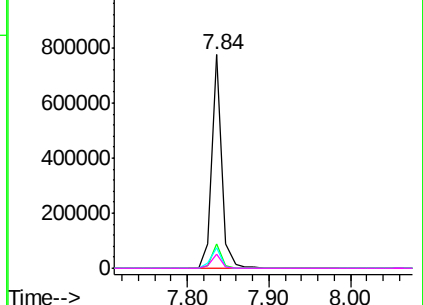


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.37 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

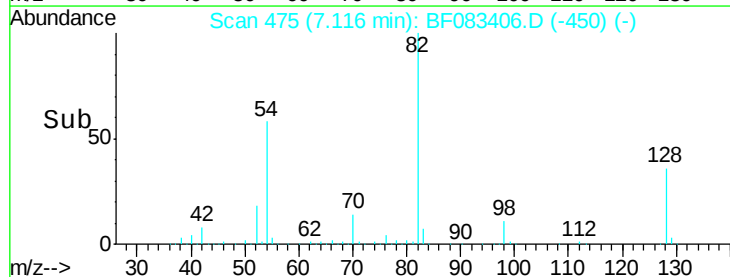
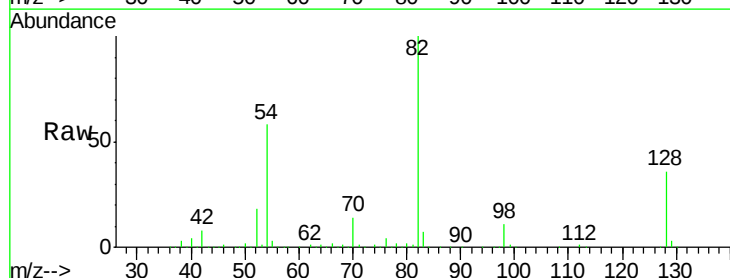
Tgt Ion: 82 Resp: 1222201

Ion Ratio Lower Upper

82 100

128 35.6 30.6 46.0

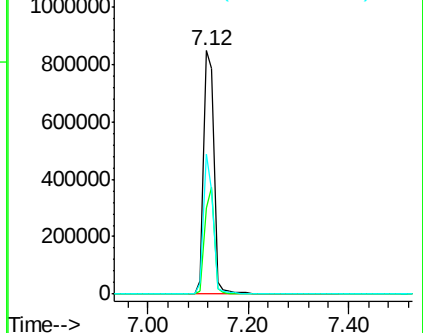
54 57.7 43.8 65.6

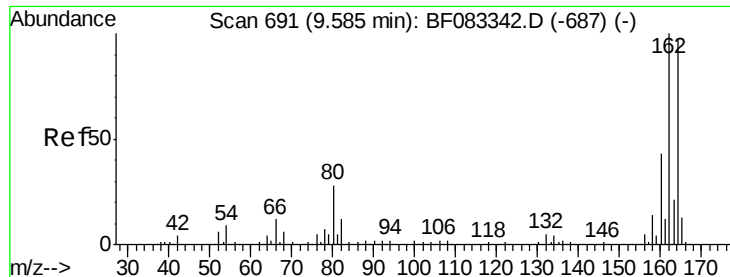


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

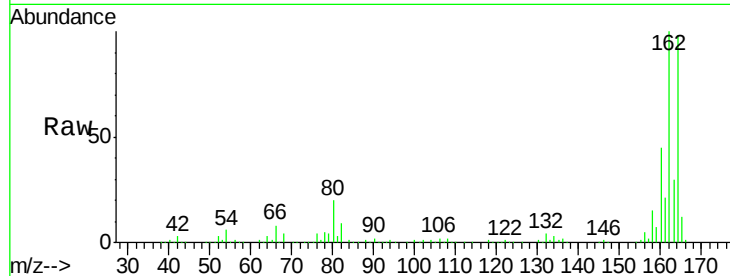




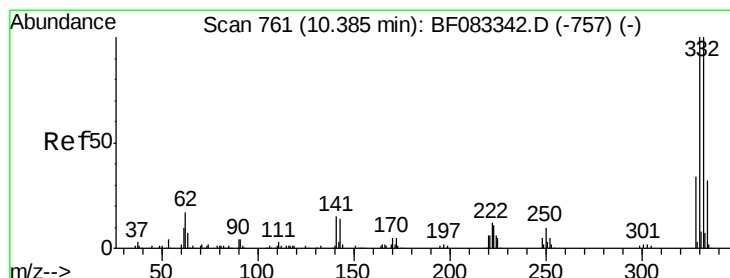
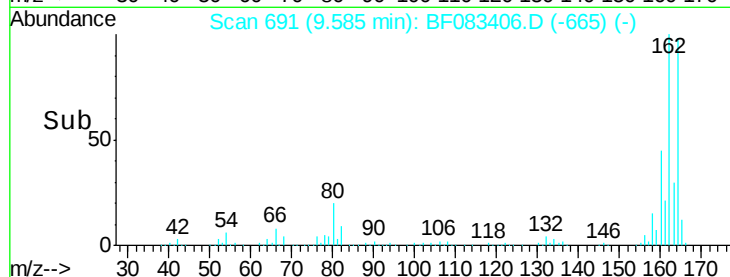
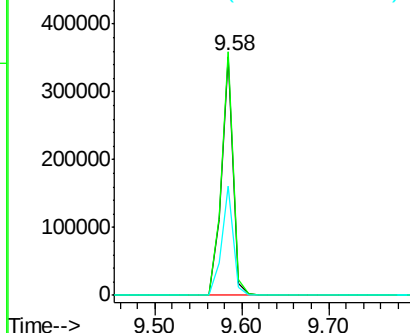
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF083406.D
Acq: 2 Dec 2015 8:17

Instrument :
BNA_F
ClientSampleId :
112515-A263-F-U-S

Tot Ion:164 Resp: 335668
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 45.7 35.3 52.9

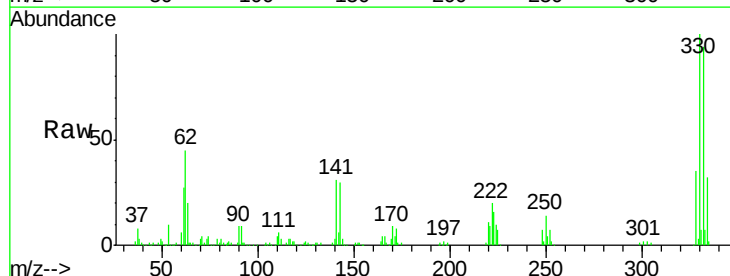


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

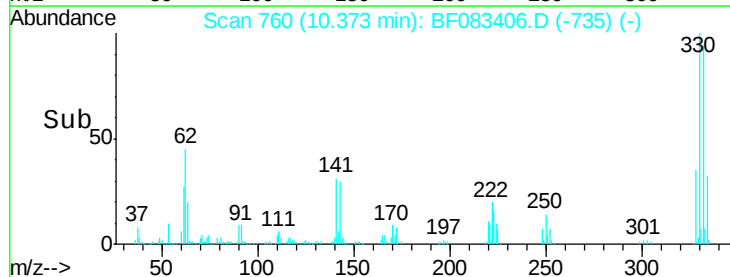
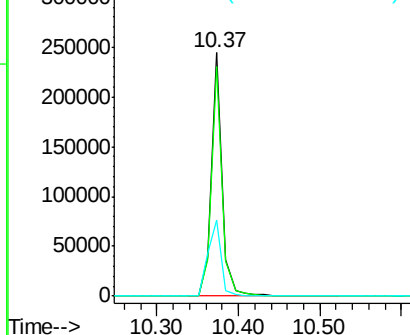


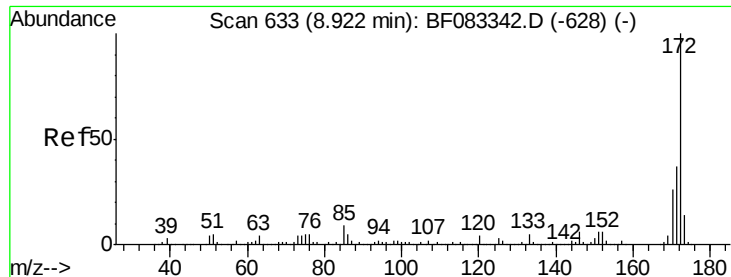
#41
2,4,6-Tribromophenol
Concen: 68.05 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083406.D
Acq: 2 Dec 2015 8:17

Tgt Ion:330 Resp: 229291
Ion Ratio Lower Upper
330 100
332 95.0 77.8 116.6
141 38.5 29.4 44.0



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

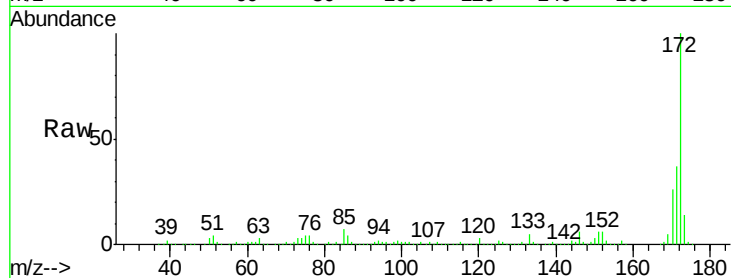




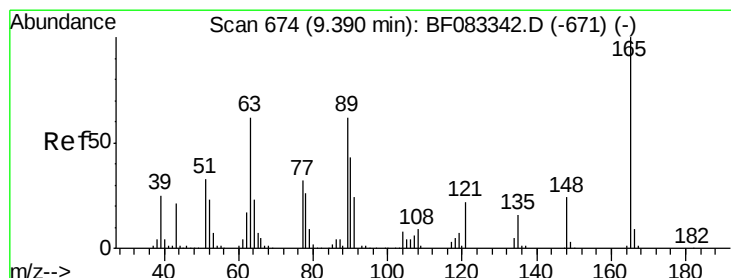
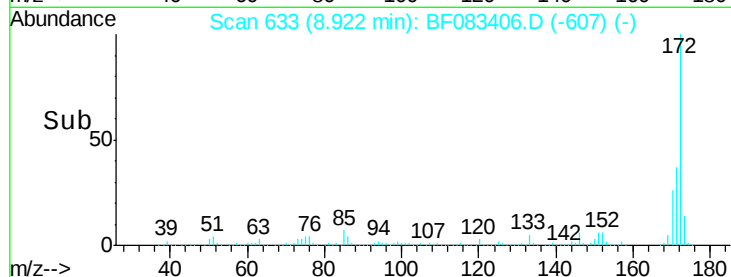
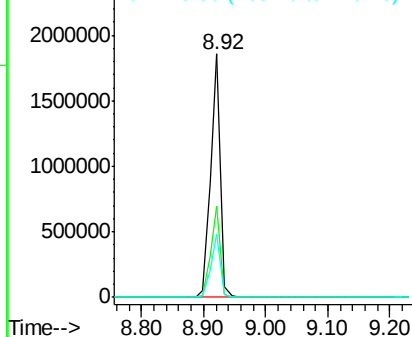
#44
 2-Fluorobiphenyl
 Concen: 84.53 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083406.D
 Acq: 2 Dec 2015 8:17

Instrument :
 BNA_F
 ClientSampleId :
 112515-A263-F-U-S

Tot Ion:172 Resp: 1990998
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.4 44.0
 170 25.8 20.4 30.6

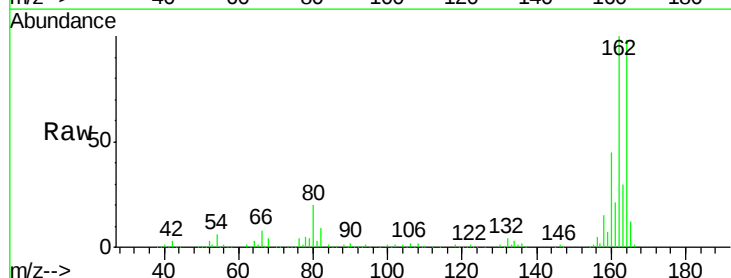


Abundance Ion 172.00 (171.70 to 172.70): E
 2500000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

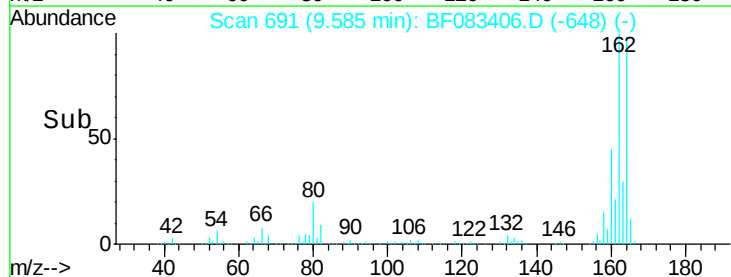
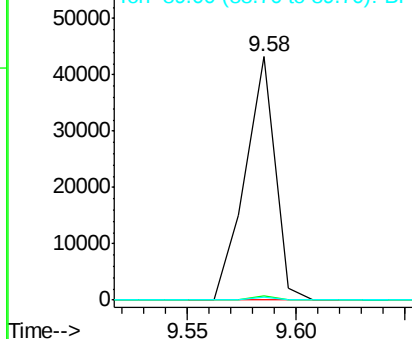


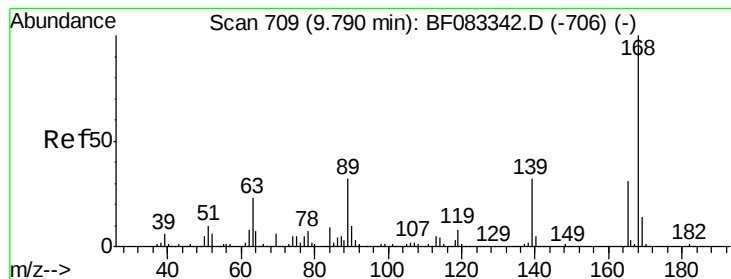
#50
 2,6-Dinitrotoluene
 Concen: 7.12 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.19 min
 Lab File: BF083406.D
 Acq: 2 Dec 2015 8:17

Tgt Ion:165 Resp: 41498
 Ion Ratio Lower Upper
 165 100
 63 1.6 56.0 84.0#
 89 1.5 49.8 74.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 60000 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: 9.58 min Scan# 691

Delta R.T. -0.21 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-U-S

Tot Ion:165 Resp: 41498

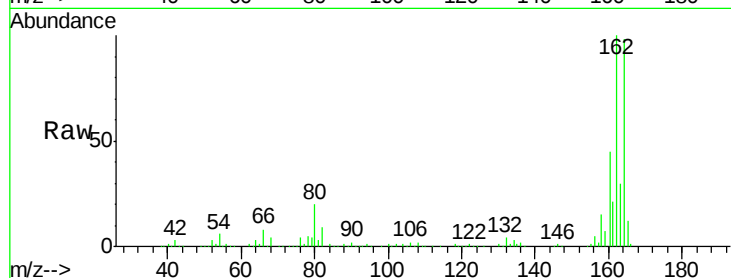
Ion Ratio Lower Upper

165 100

63 1.6 65.4 98.0#

89 1.5 81.2 121.8#

182 0.0 1.8 2.8#

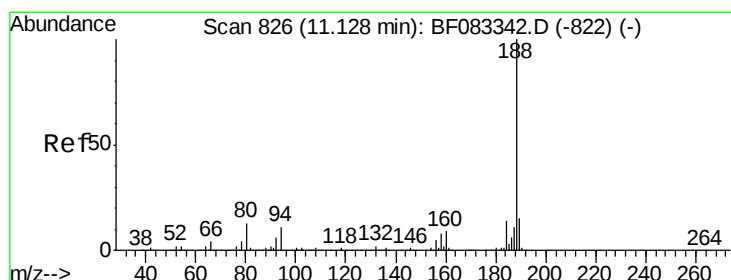
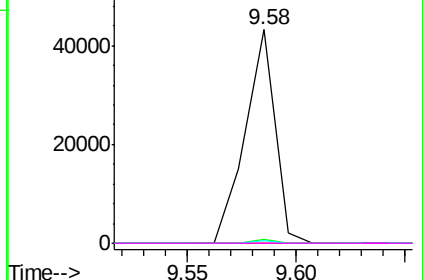
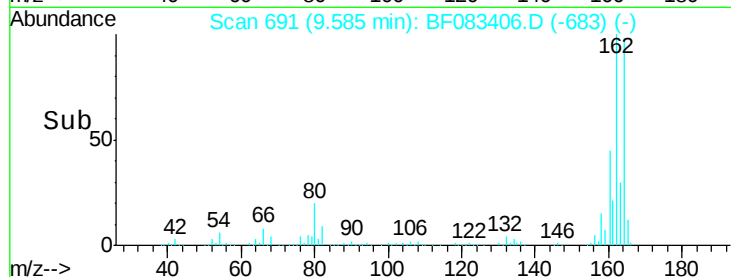


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.13 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

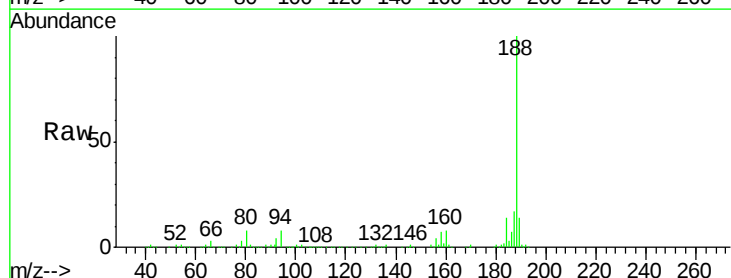
Tgt Ion:188 Resp: 564227

Ion Ratio Lower Upper

188 100

94 7.9 8.7 13.1#

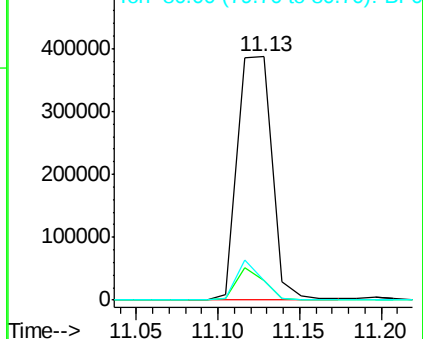
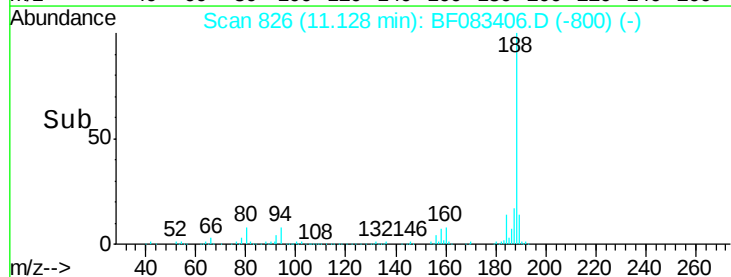
80 8.0 10.3 15.5#

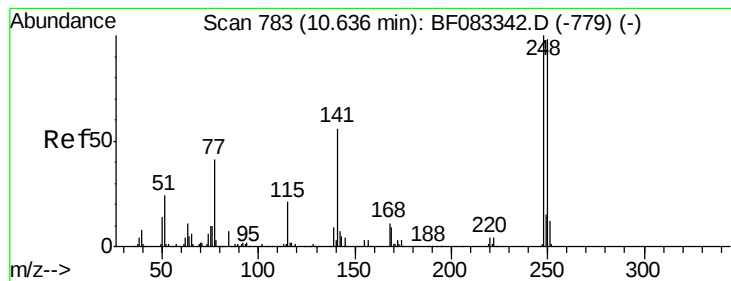


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.01 ng

RT: 10.37 min Scan# 760

Delta R.T. -0.26 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

Instrument :

BNA_F

ClientSampleId :

112515-A263-F-U-S

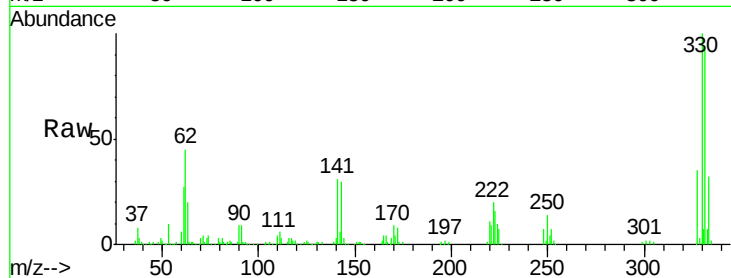
Tot Ion:248 Resp: 12404

Ion Ratio Lower Upper

248 100

250 209.3 78.6 118.0#

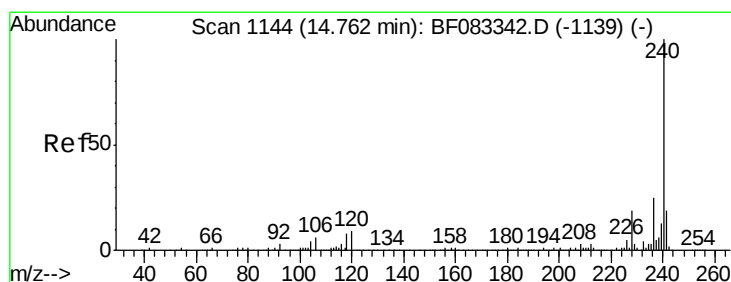
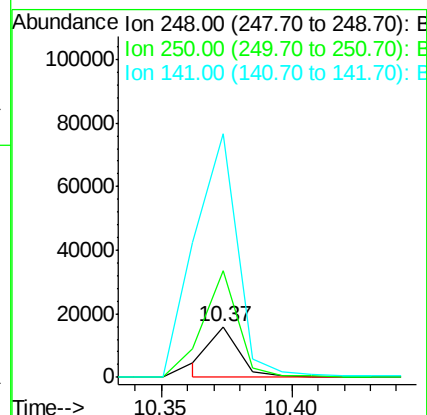
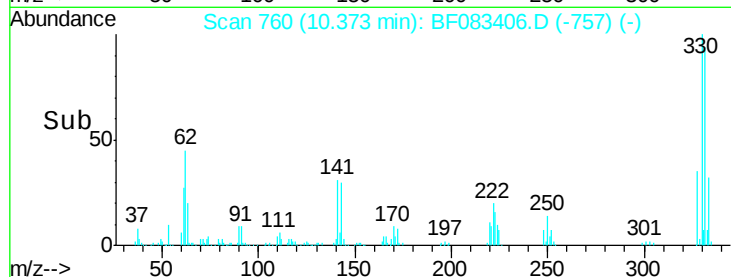
141 479.7 44.4 66.6#



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: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083406.D

Acq: 2 Dec 2015 8:17

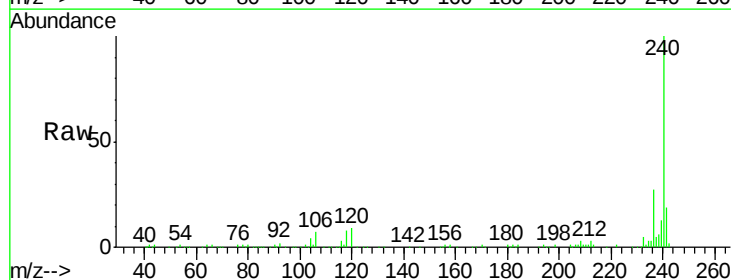
Tgt Ion:240 Resp: 396945

Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

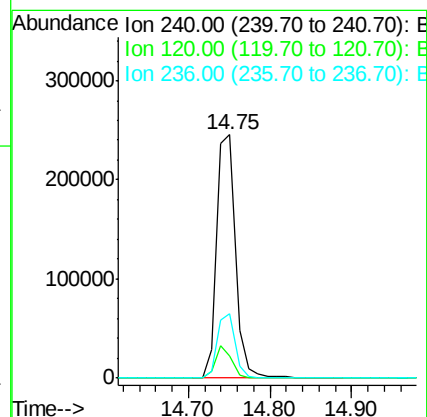
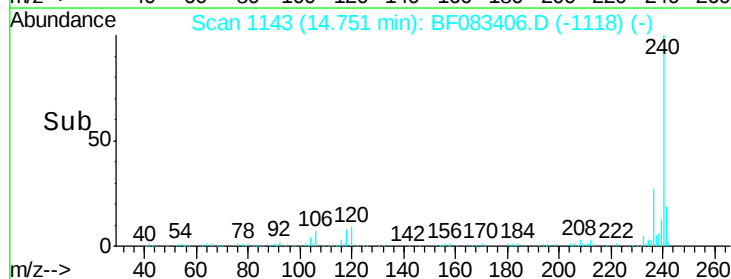
236 26.6 19.8 29.6

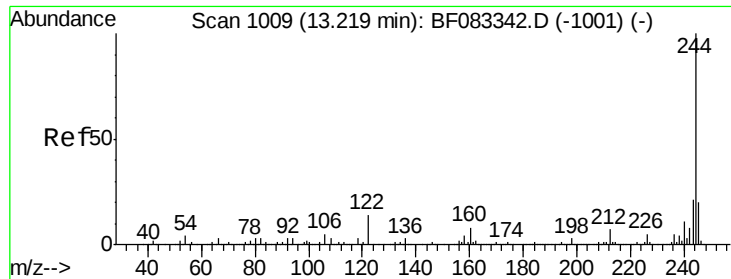


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

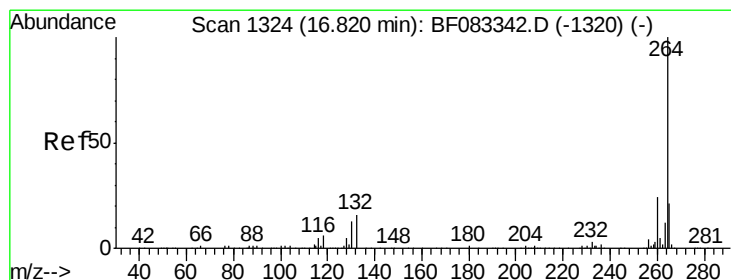
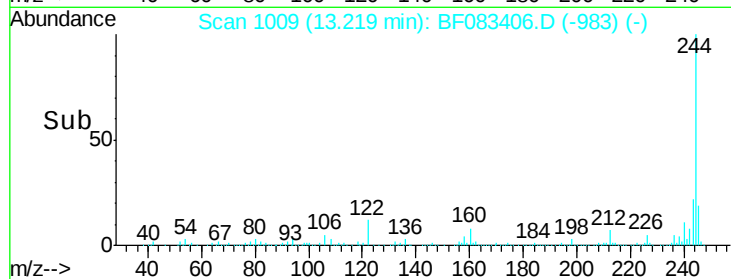
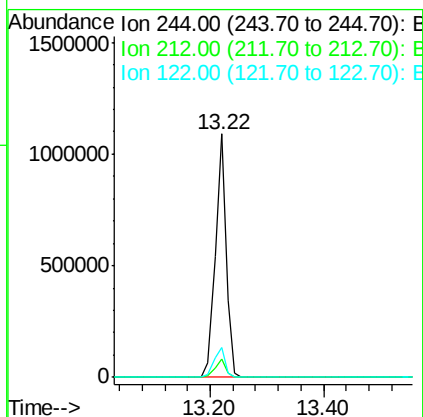
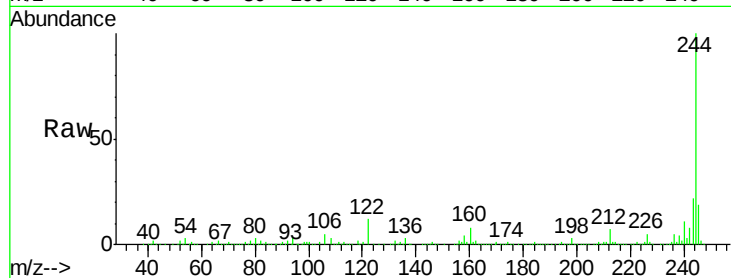




#78
 Terphenyl-d14
 Concen: 85.48 ng
 RT: 13.22 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF083406.D
 Acq: 2 Dec 2015 8:17

Instrument :
 BNA_F
 ClientSampleId :
 112515-A263-F-U-S

Tot Ion:244 Resp: 1422780
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 12.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.82 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF083406.D
 Acq: 2 Dec 2015 8:17

Tgt Ion:264 Resp: 421220
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.9 16.8 25.2

