

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084769.D
 Acq On : 3 Feb 2016 3:26
 Operator : SJ/IZ
 Sample : H1287-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(16-18)

Quant Time: Feb 03 06:26:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

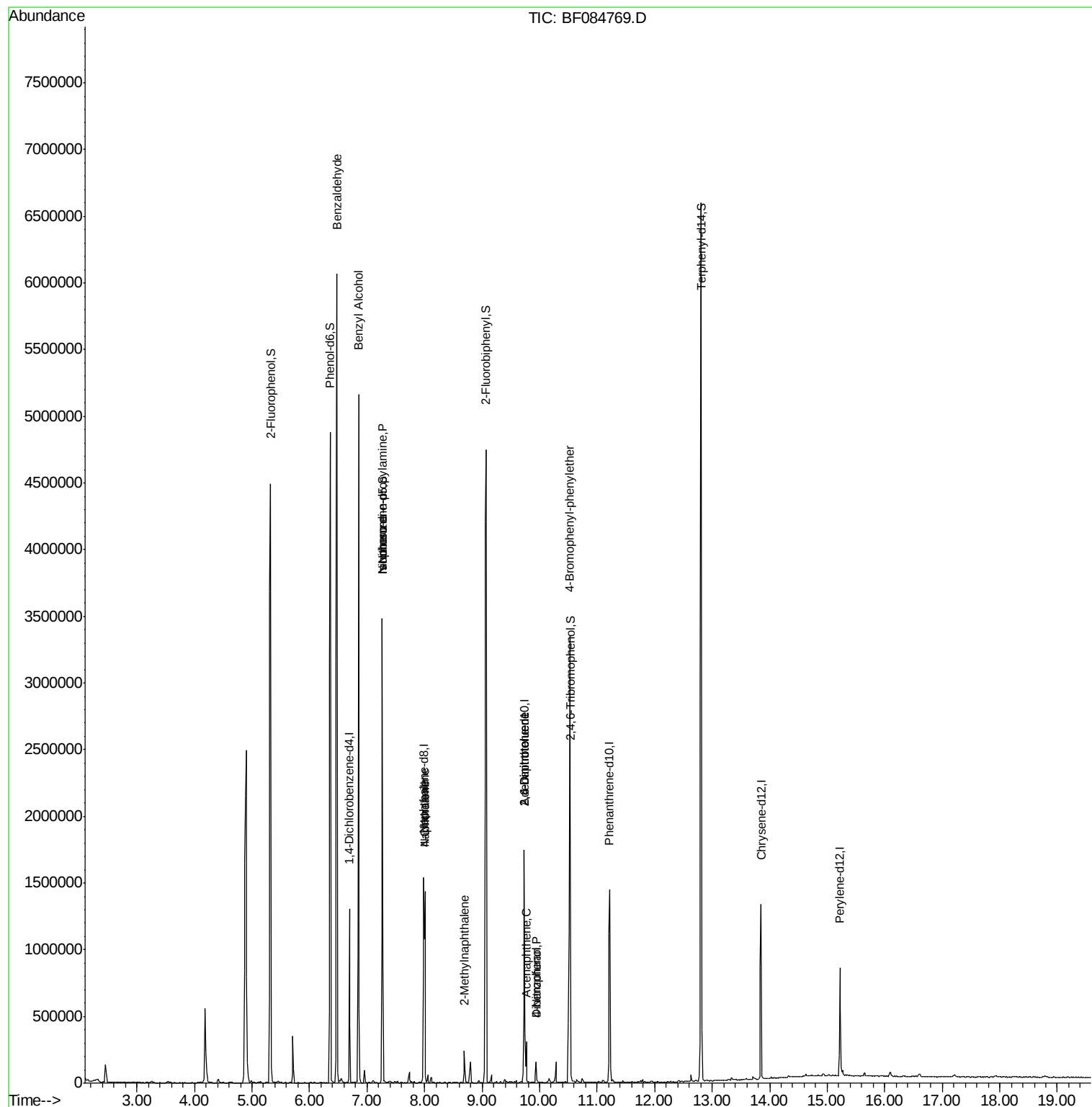
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	195168	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	845111	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	393707	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	748762	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	579875	20.00	ng	-0.02
86) Perylene-d12	15.22	264	403588	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1720756	137.33	ng	0.01
7) Phenol-d6	6.36	99	2019597	130.01	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1251905	83.45	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	675078	164.38	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	2587399	143.10	ng	-0.02
78) Terphenyl-d14	12.81	244	2180917	85.23	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	46011	5.02	ng	81
15) Benzyl Alcohol	6.85	79	24792	2.31	ng	# 48
19) n-Nitroso-di-n-propylamine	7.26	70	175803	18.06	ng	# 71
25) Isophorone	7.26	82	991257	33.98	ng	# 66
31) Naphthalene	8.01	128	849715	20.04	ng	99
33) 4-Chloroaniline	8.01	127	112408	6.41	ng	# 33
37) 2-Methylnaphthalene	8.69	142	86517	3.26	ng	97
50) 2,6-Dinitrotoluene	9.73	165	51620	7.88	ng	# 37
51) Acenaphthene	9.77	154	80817	3.16	ng	97
54) Dibenzofuran	9.94	168	65563	2.10	ng	99
55) 4-Nitrophenol	9.94	139	25176	4.65	ng	# 12
56) 2,4-Dinitrotoluene	9.73	165	51620	6.18	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	37717	4.56	ng	# 1

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
Data File : BF084769.D
Acq On : 3 Feb 2016 3:26
Operator : SJ/IZ
Sample : H1287-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B013(16-18)

Quant Time: Feb 03 06:26:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

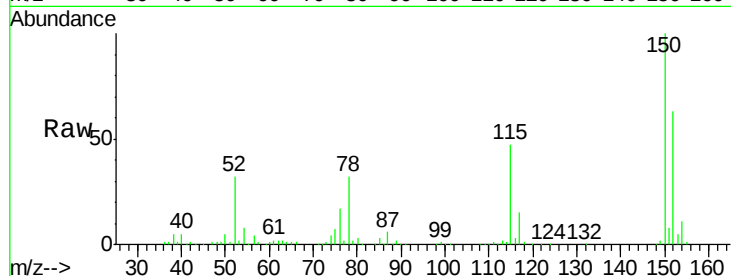
Tgt Ion:152 Resp: 195168

Ion Ratio Lower Upper

152 100

150 157.9 123.0 184.4

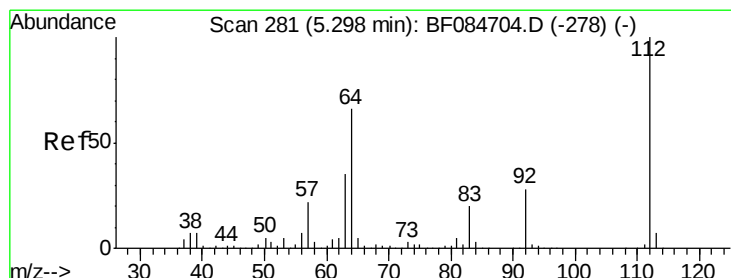
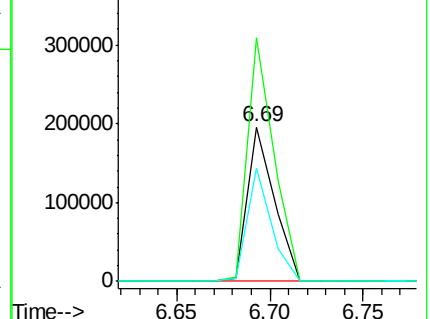
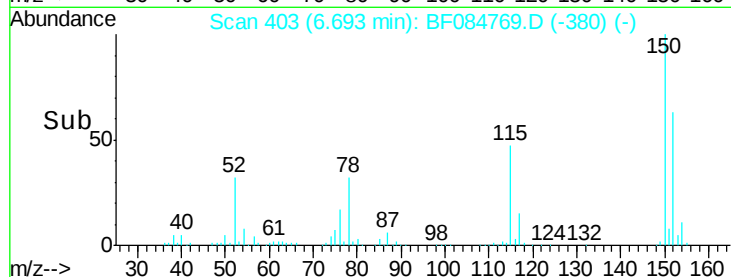
115 73.5 51.4 77.2



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: 137.33 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

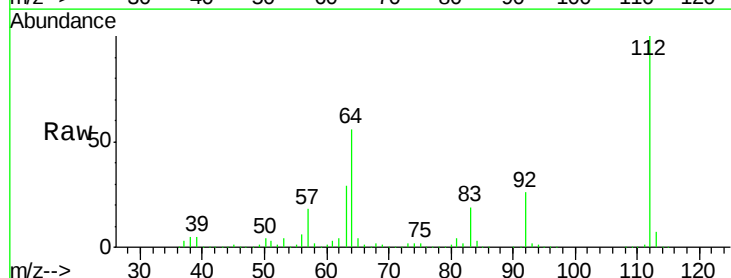
Tgt Ion:112 Resp: 1720756

Ion Ratio Lower Upper

112 100

64 55.8 36.6 55.0#

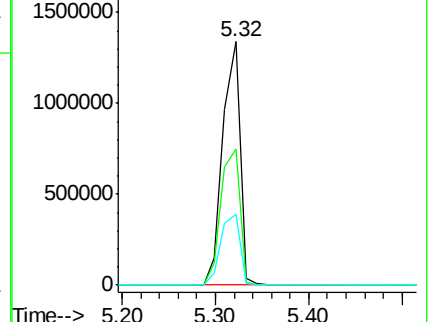
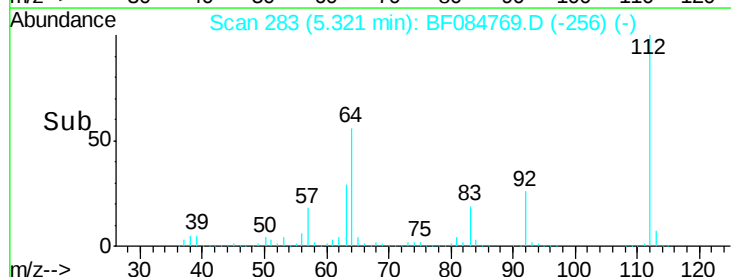
63 29.3 19.4 29.0#

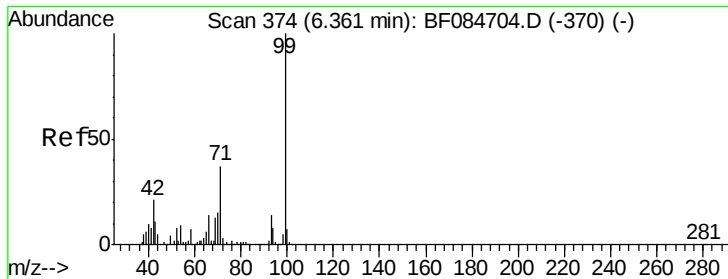


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.01 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

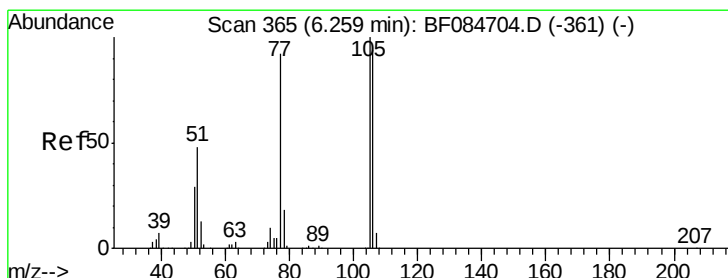
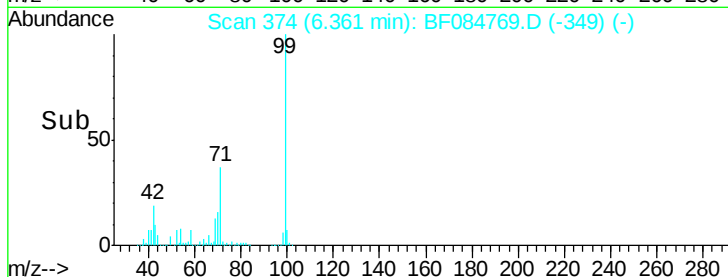
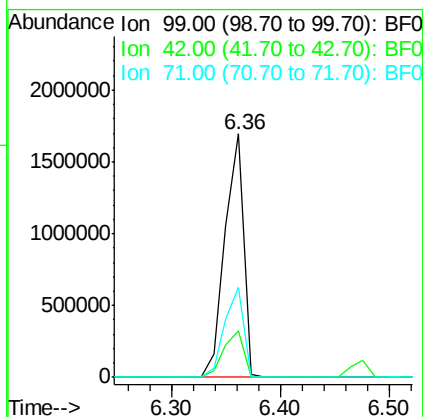
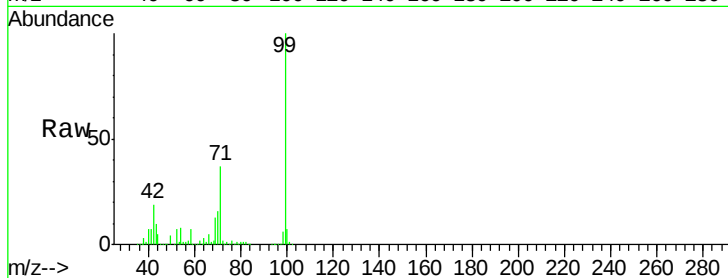
Tgt Ion: 99 Resp: 2019597

Ion Ratio Lower Upper

99 100

42 19.3 12.8 19.2#

71 36.9 30.9 46.3



#9

Benzaldehyde

Concen: 5.02 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

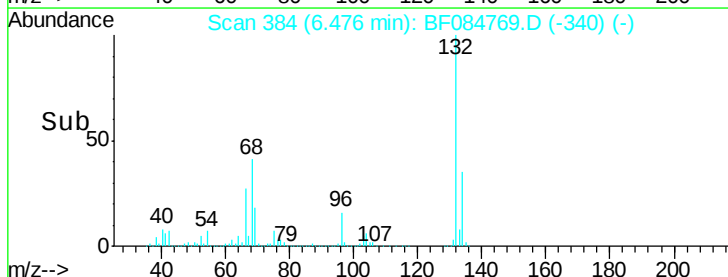
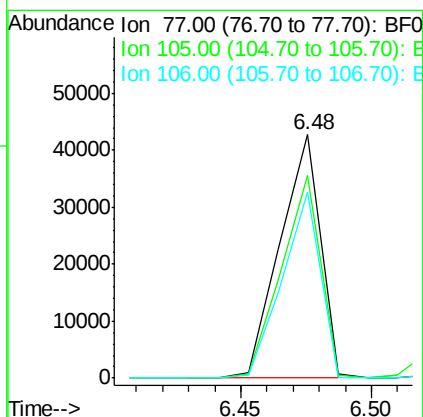
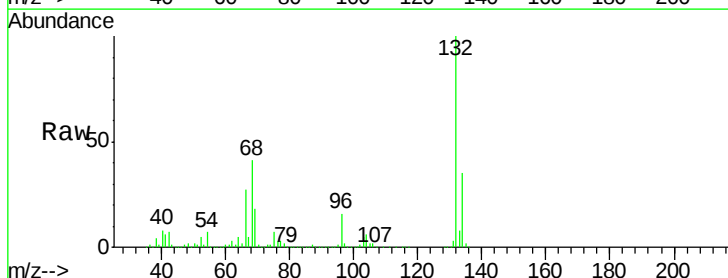
Tgt Ion: 77 Resp: 46011

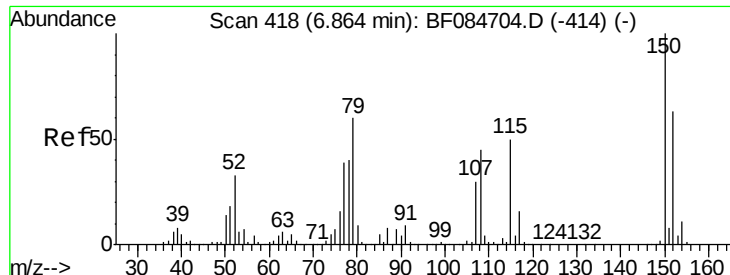
Ion Ratio Lower Upper

77 100

105 83.5 83.0 123.0

106 76.5 74.6 114.6





#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

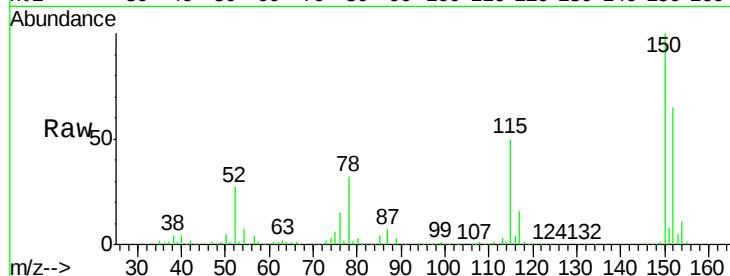
Tgt Ion: 79 Resp: 24792

Ion Ratio Lower Upper

79 100

108 29.2 69.0 103.4#

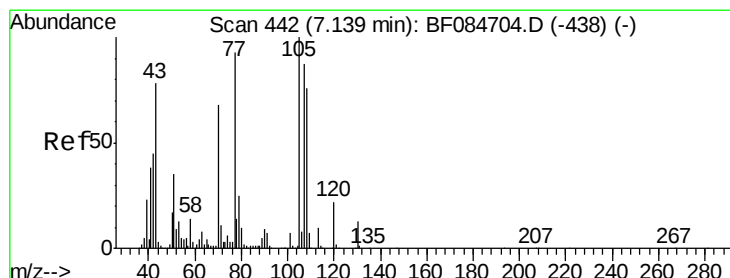
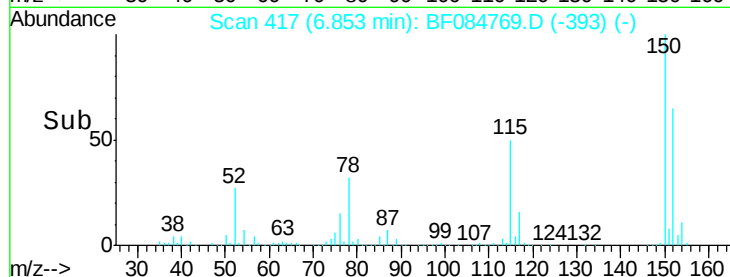
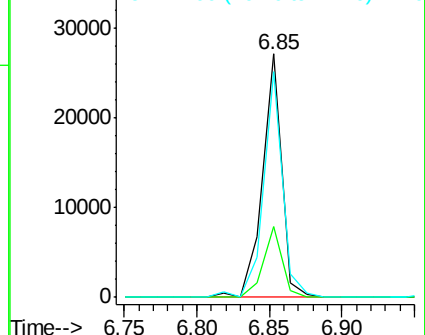
77 92.6 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.06 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Tgt Ion: 70 Resp: 175803

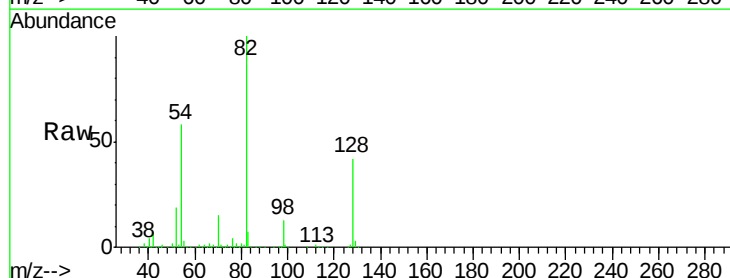
Ion Ratio Lower Upper

70 100

42 50.3 33.3 49.9#

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

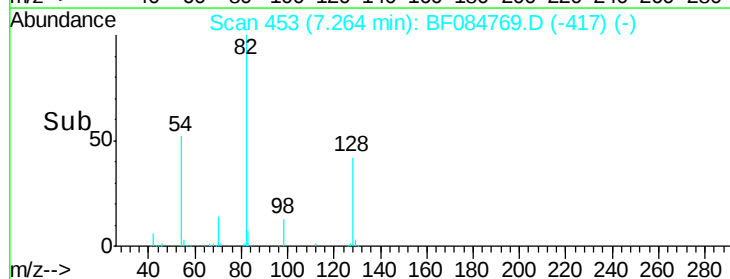
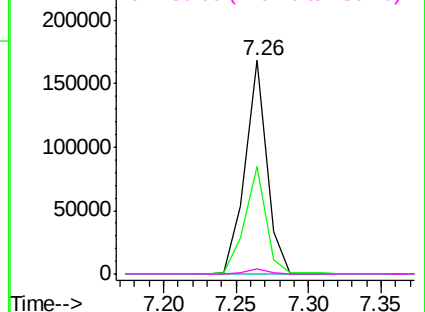


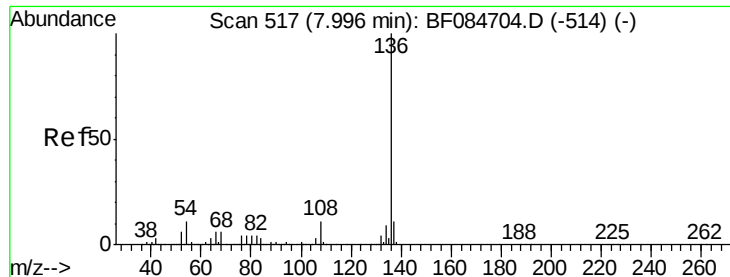
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

Tgt Ion: 136 Resp: 845111

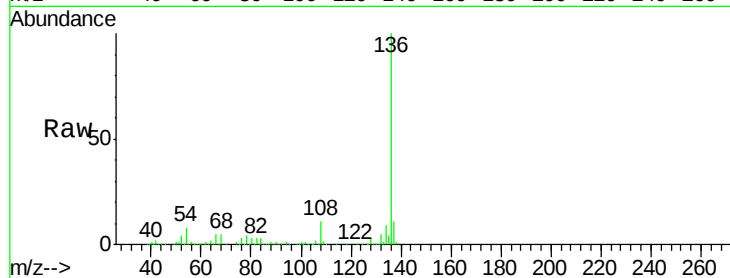
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.2 5.8 8.8

68 4.7 4.2 6.2

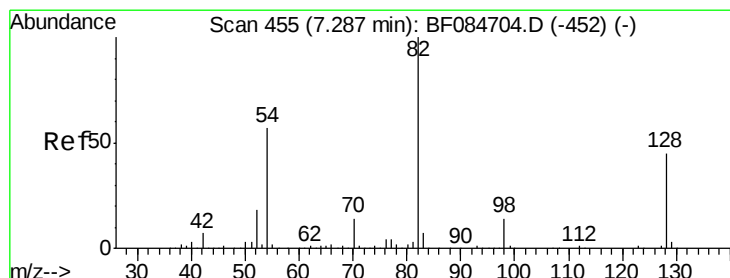
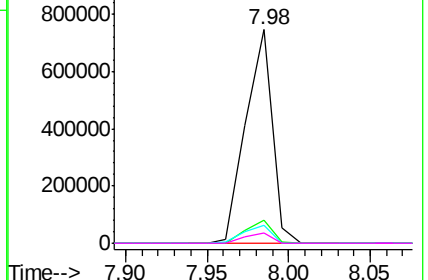
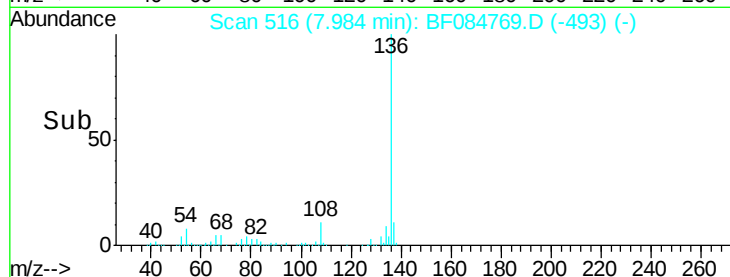


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.45 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

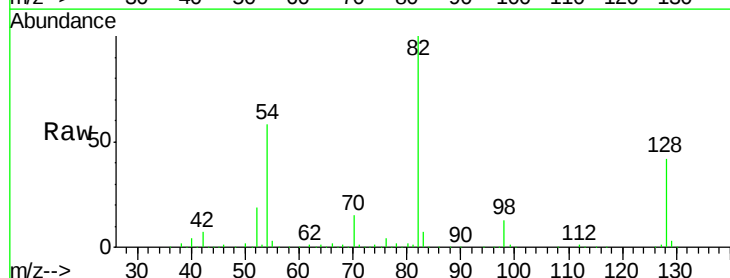
Tgt Ion: 82 Resp: 1251905

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

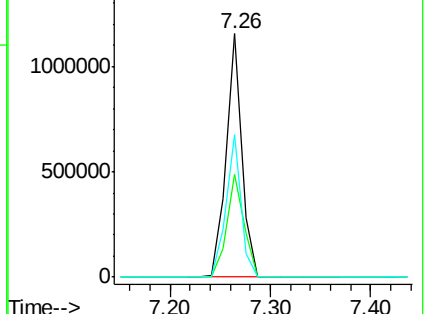
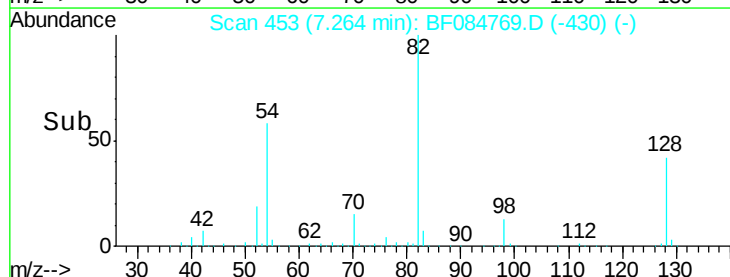
54 58.4 38.4 57.6#

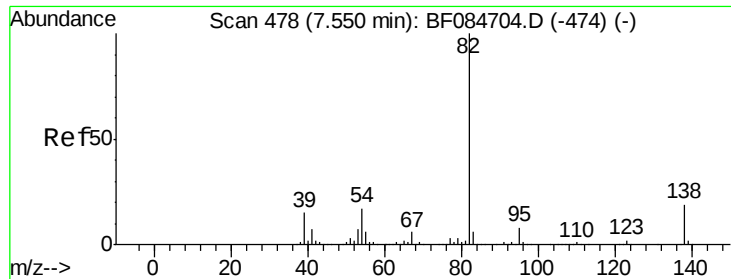


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.98 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.30 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

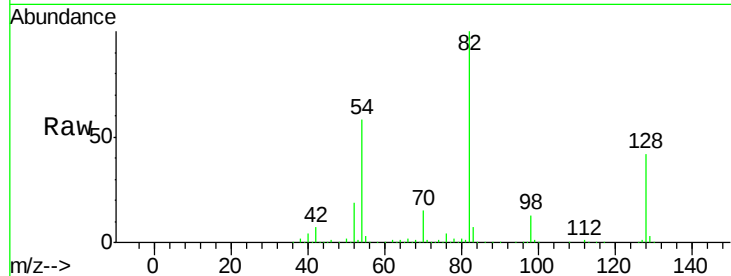
Tgt Ion: 82 Resp: 991257

Ion Ratio Lower Upper

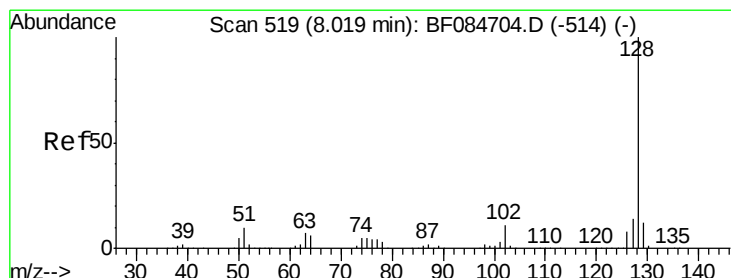
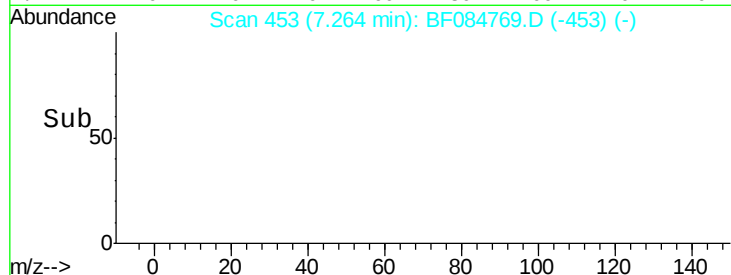
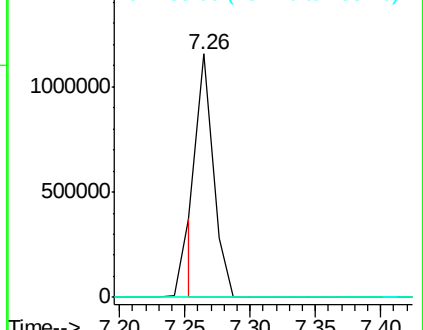
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



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): E



#31

Naphthalene

Concen: 20.04 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

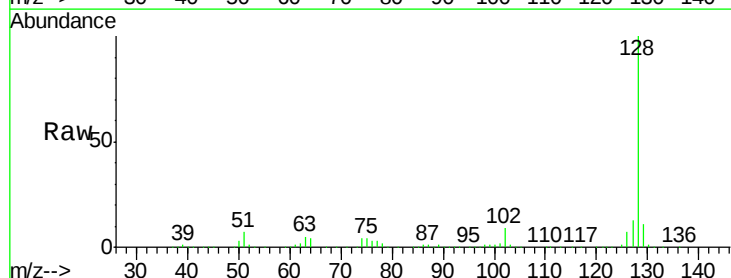
Tgt Ion: 128 Resp: 849715

Ion Ratio Lower Upper

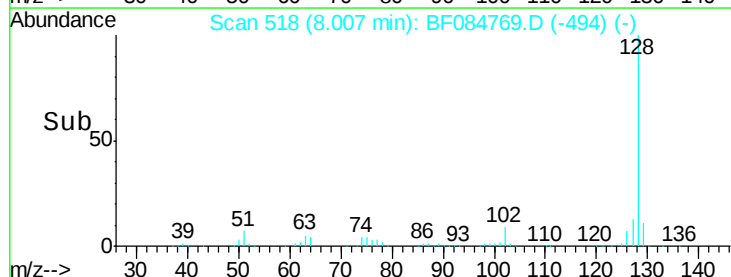
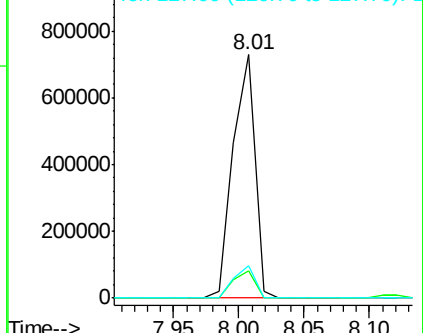
128 100

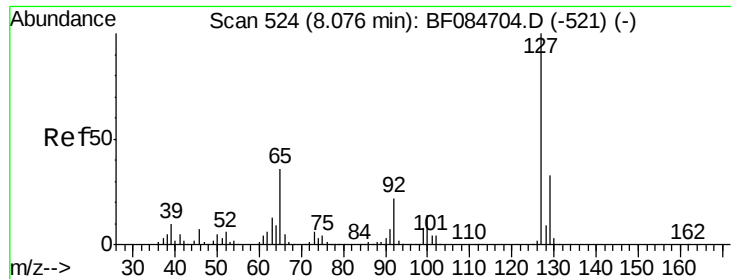
129 11.1 9.1 13.7

127 13.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

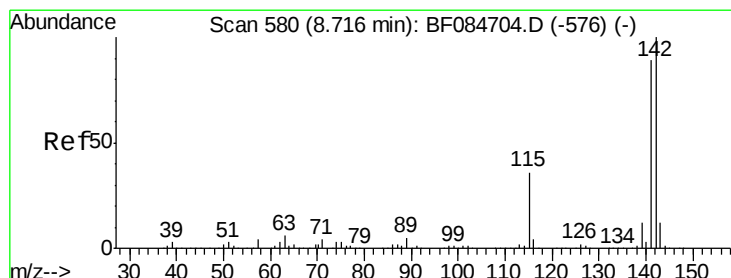
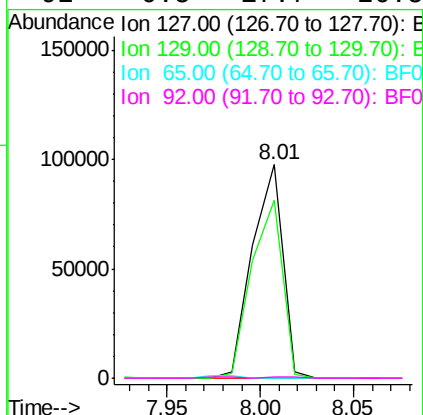
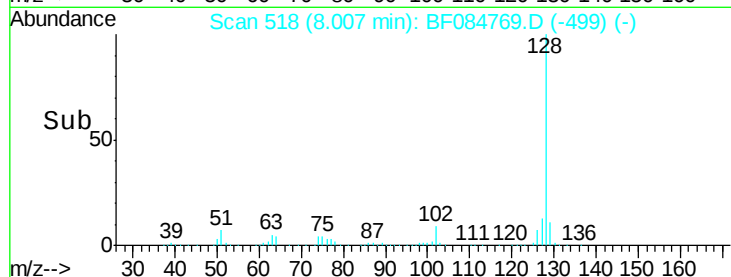
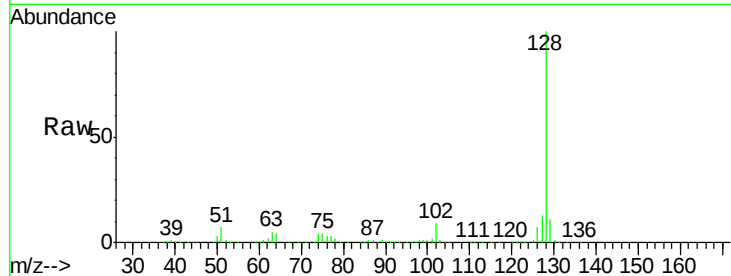




#33
4-Chloroaniline
Concen: 6.41 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.08 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

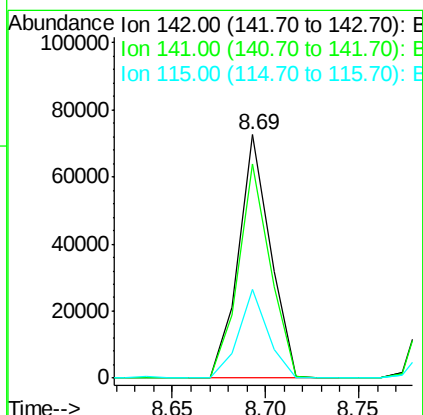
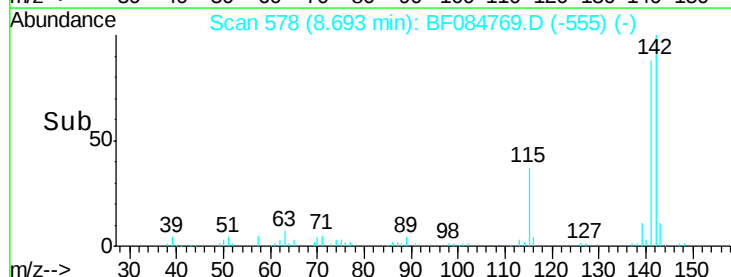
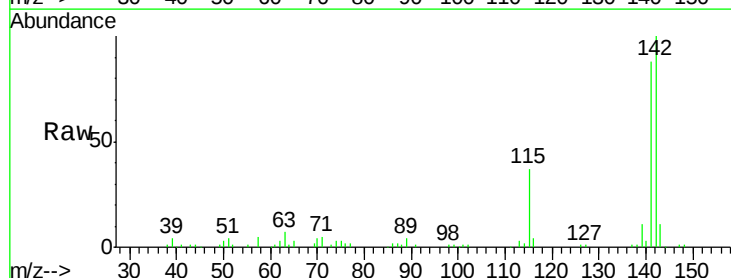
Instrument :
BNA_F
ClientSampleId :
SUP-B013(16-18)

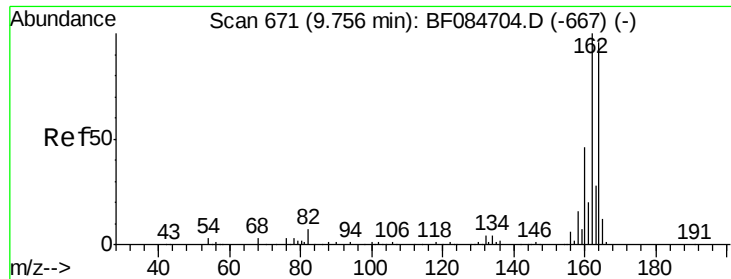
Tgt Ion:	127	Resp:	112408
Ion Ratio	Lower	Upper	
127	100		
129	83.1	26.5	39.7#
65	0.0	27.2	40.8#
92	0.5	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 3.26 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion:	142	Resp:	86517
Ion Ratio	Lower	Upper	
142	100		
141	88.1	72.4	108.6
115	36.6	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

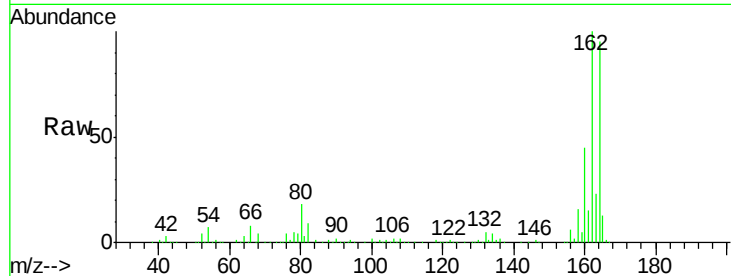
Tgt Ion:164 Resp: 393707

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

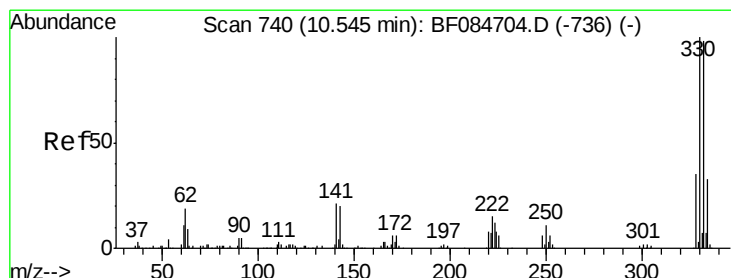
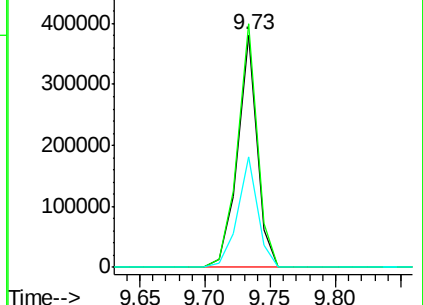
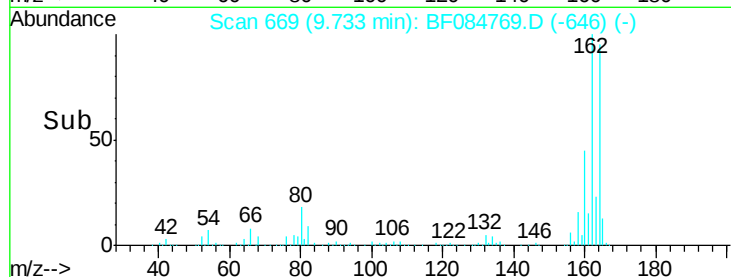
160 47.4 37.5 56.3



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: 164.38 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

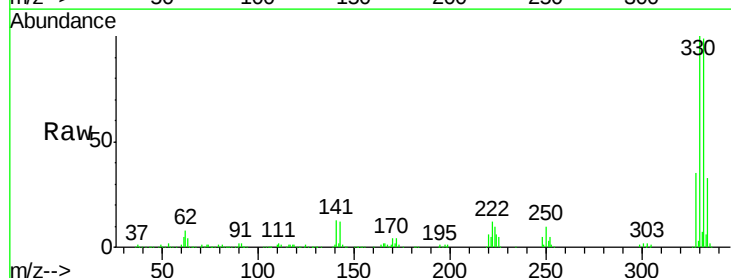
Tgt Ion:330 Resp: 675078

Ion Ratio Lower Upper

330 100

332 97.3 76.6 114.8

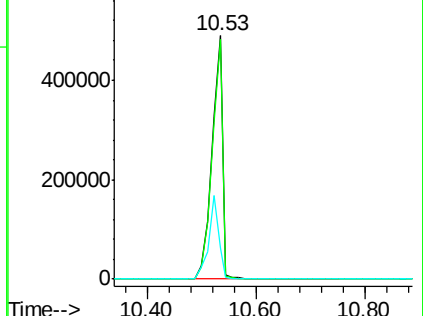
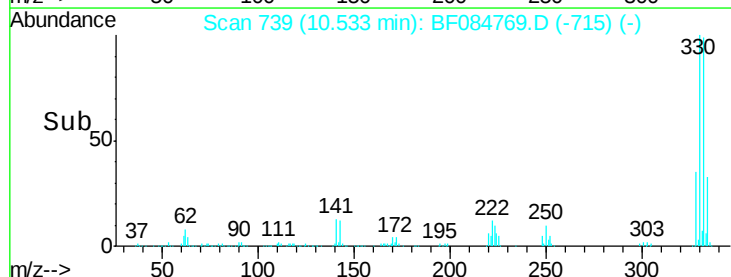
141 31.9 27.8 41.6

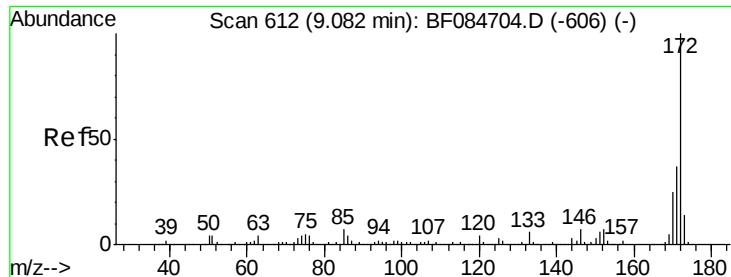


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 143.10 ng

RT: 9.07 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

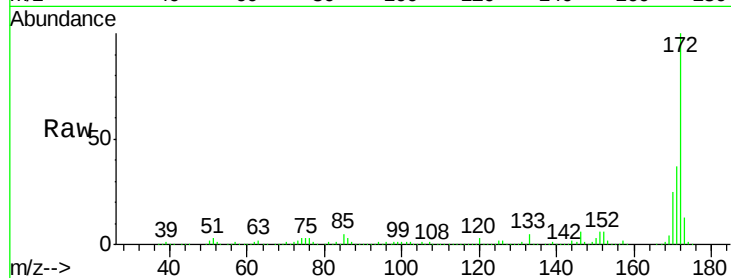
Tgt Ion:172 Resp: 2587399

Ion Ratio Lower Upper

172 100

171 37.1 28.9 43.3

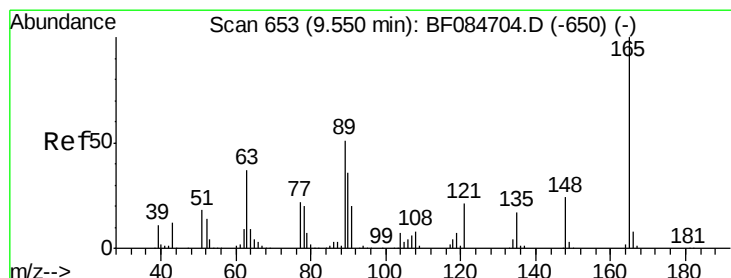
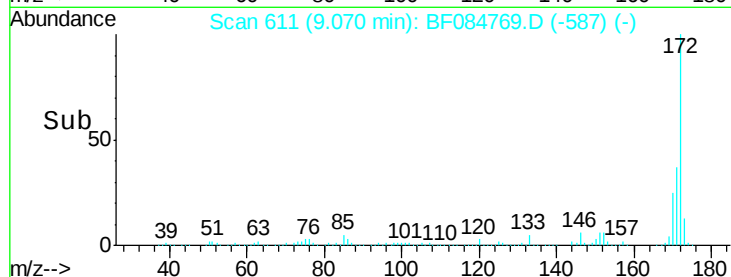
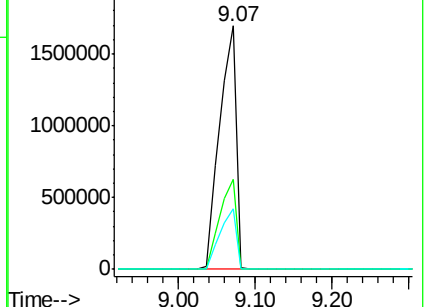
170 25.0 18.6 27.8



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: 7.88 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.17 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

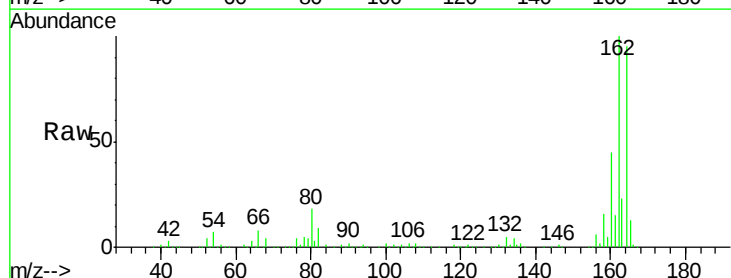
Tgt Ion:165 Resp: 51620

Ion Ratio Lower Upper

165 100

63 1.1 28.8 43.2#

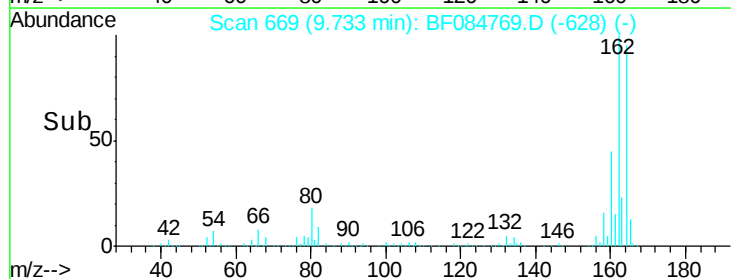
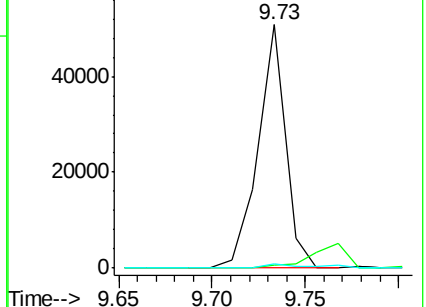
89 1.6 35.1 52.7#

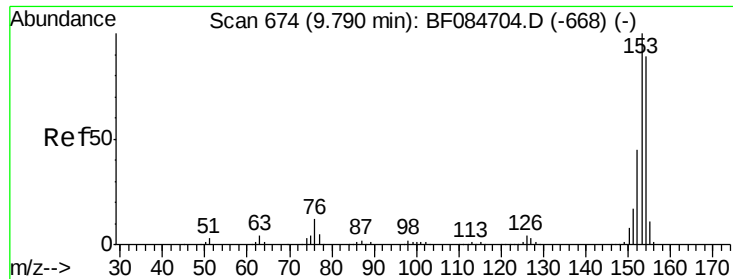


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 3.16 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

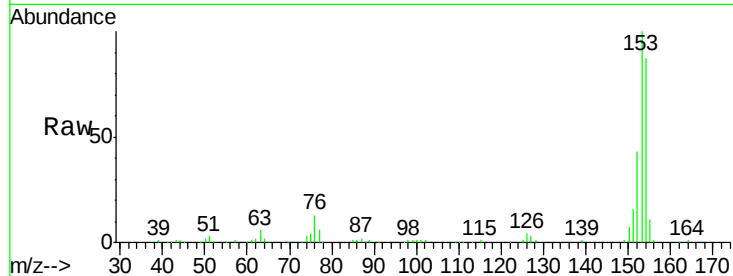
Tgt Ion:154 Resp: 80817

Ion Ratio Lower Upper

154 100

153 115.4 91.5 137.3

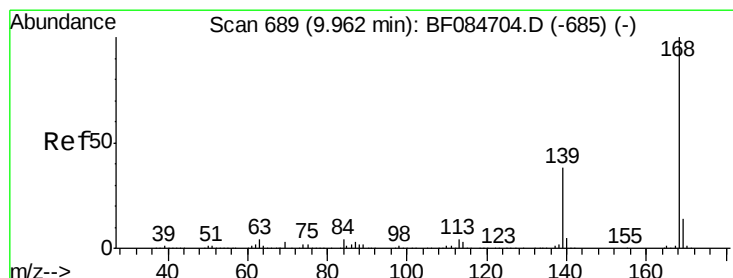
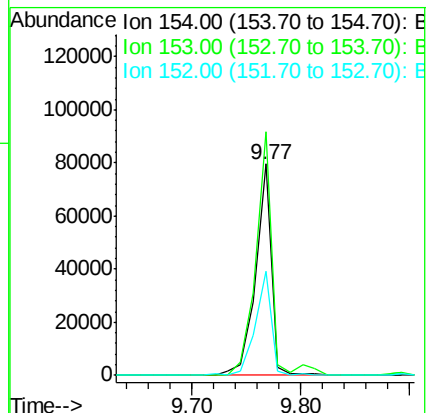
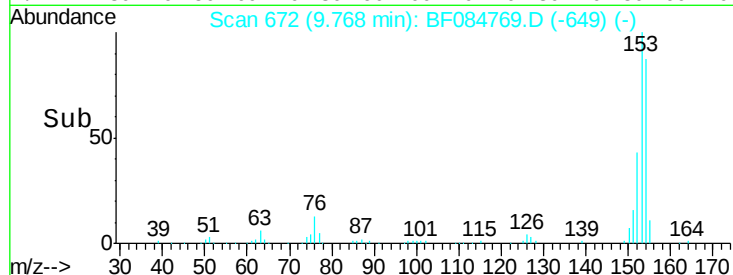
152 49.3 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.10 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.03 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

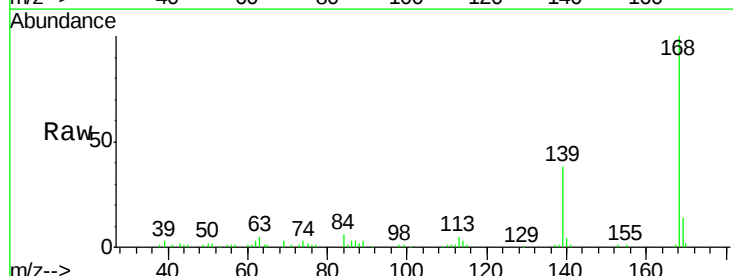
Tgt Ion:168 Resp: 65563

Ion Ratio Lower Upper

168 100

139 37.8 30.5 45.7

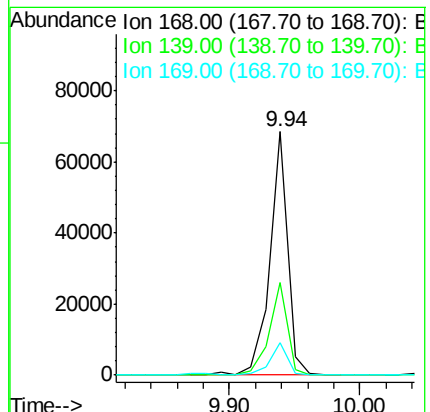
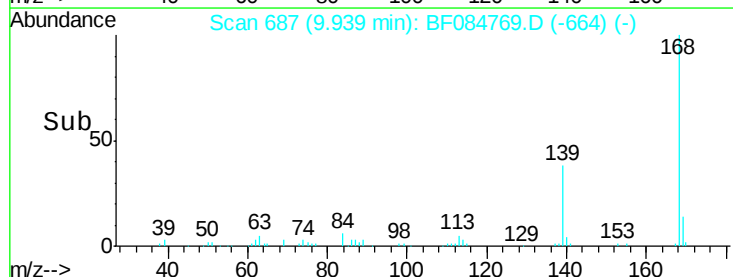
169 13.6 10.4 15.6

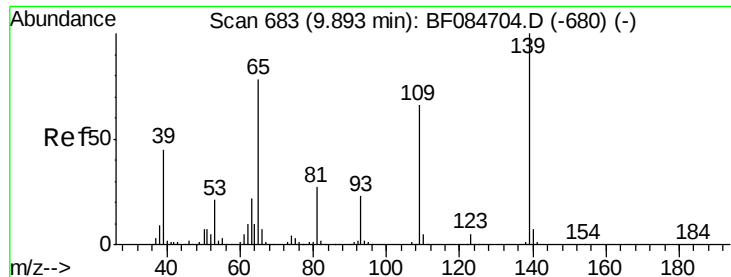


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

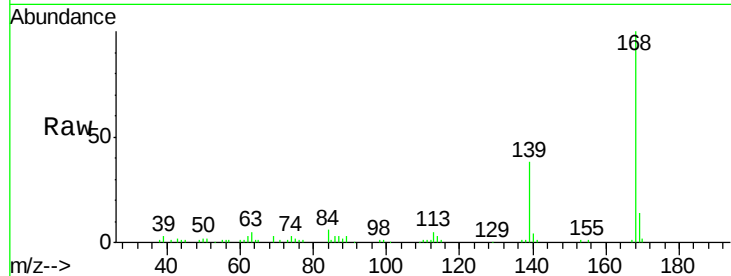




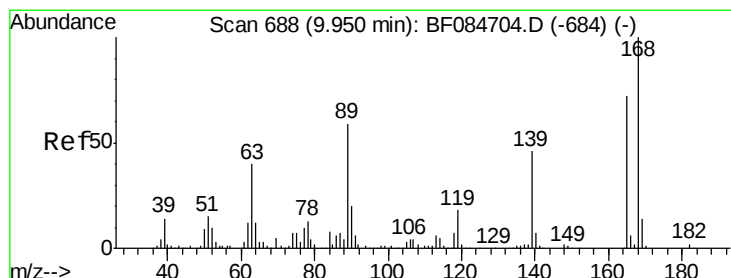
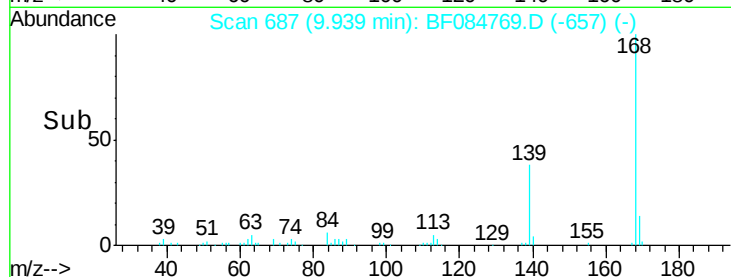
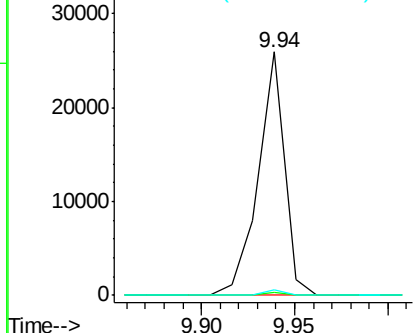
#55
4-Nitrophenol
Concen: 4.65 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.05 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Instrument :
BNA_F
ClientSampleId :
SUP-B013(16-18)

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.2	58.5	98.5#
65	2.0	57.6	97.6#



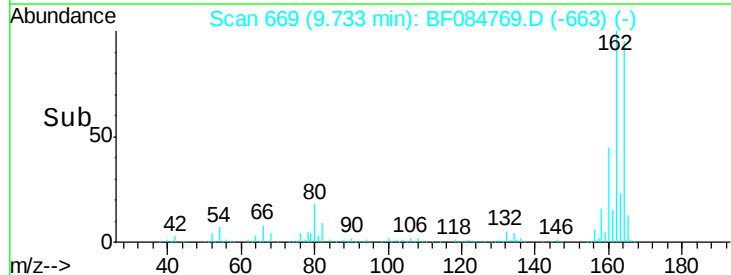
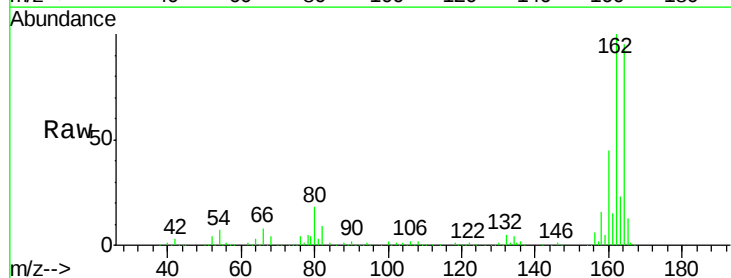
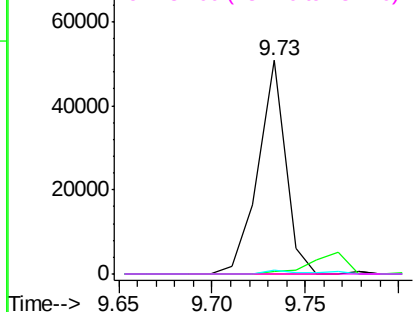
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

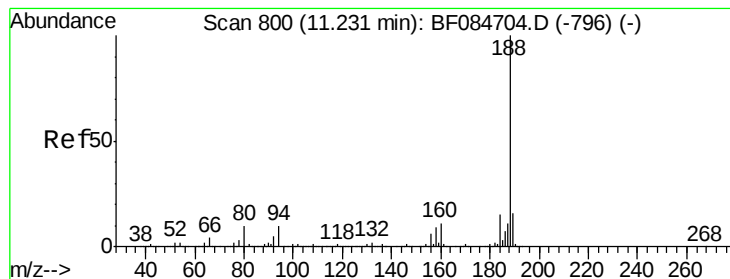


#56
2,4-Dinitrotoluene
Concen: 6.18 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.23 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

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: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

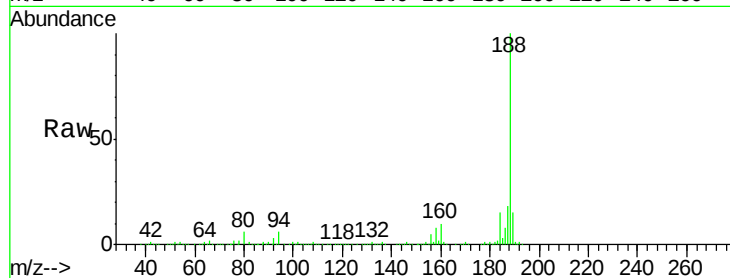
Tgt Ion:188 Resp: 748762

Ion Ratio Lower Upper

188 100

94 5.8 9.0 13.4#

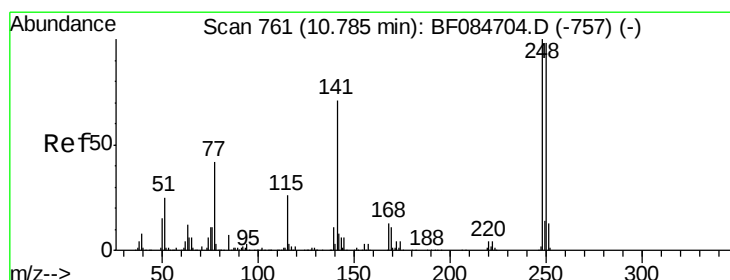
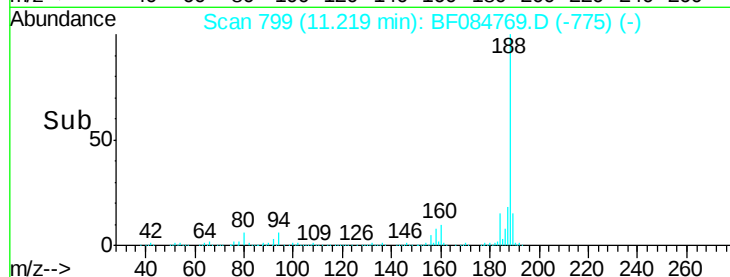
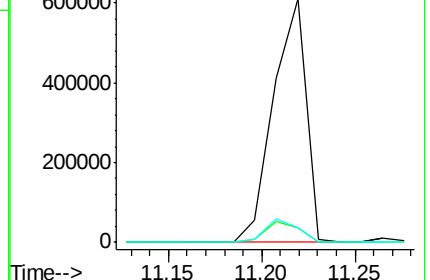
80 6.0 9.6 14.4#



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: 4.56 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

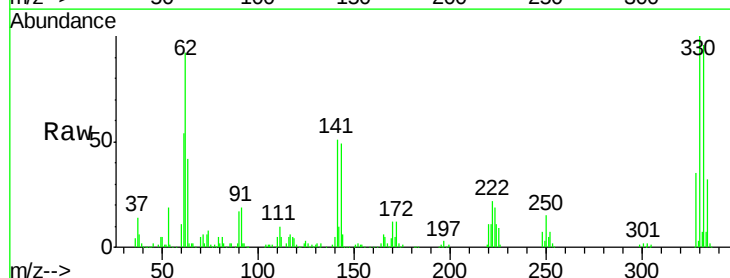
Tgt Ion:248 Resp: 37717

Ion Ratio Lower Upper

248 100

250 203.0 78.4 117.6#

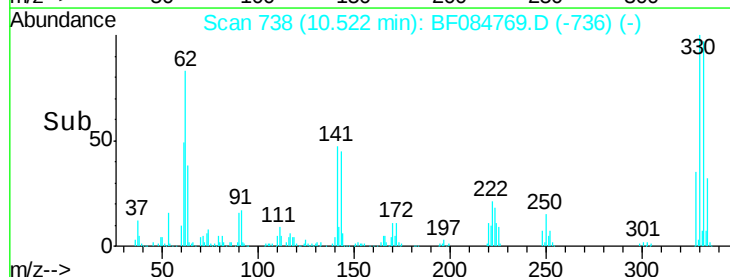
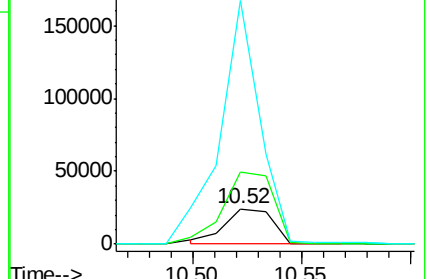
141 688.7 44.0 66.0#

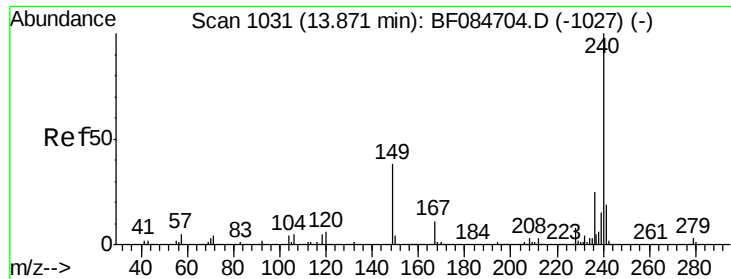


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

Instrument :

BNA_F

ClientSampleId :

SUP-B013(16-18)

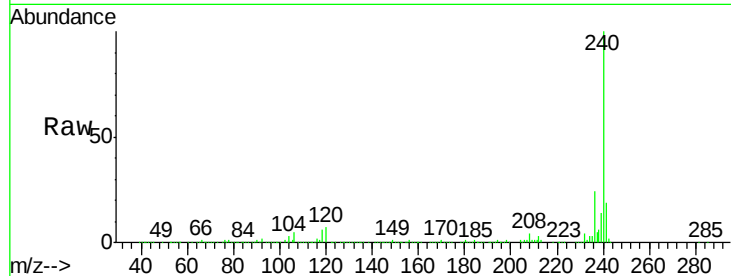
Tgt Ion:240 Resp: 579875

Ion Ratio Lower Upper

240 100

120 6.9 9.5 14.3#

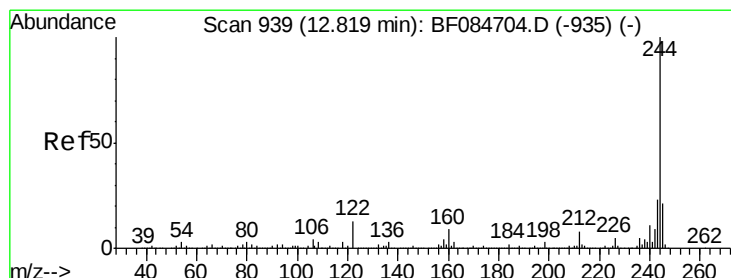
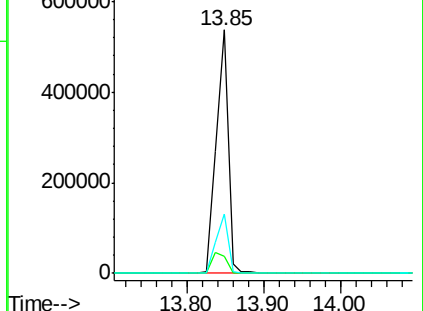
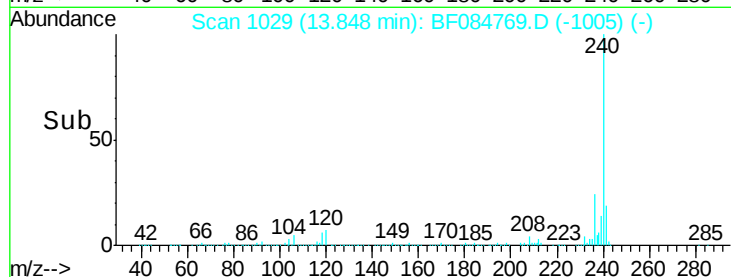
236 24.2 20.6 31.0



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: 85.23 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084769.D

Acq: 3 Feb 2016 3:26

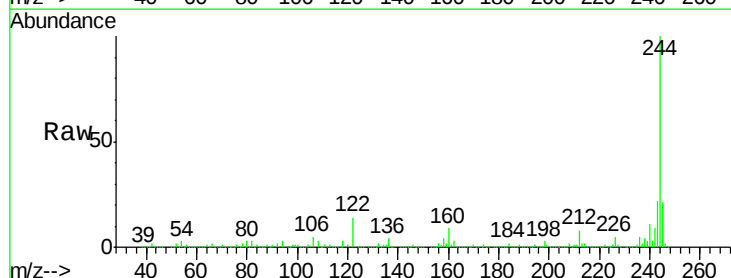
Tgt Ion:244 Resp: 2180917

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

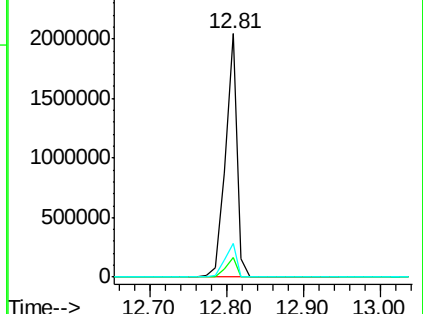
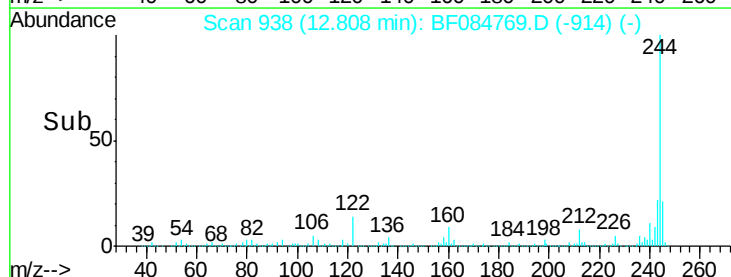
122 13.8 7.4 11.0#

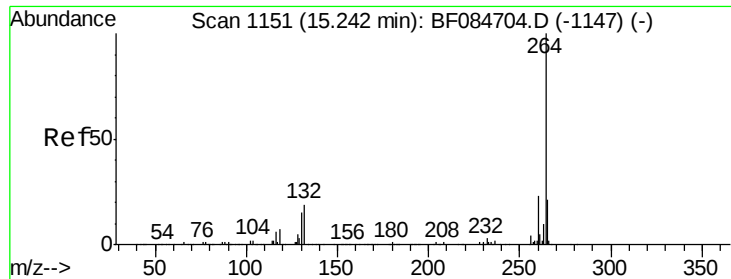


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

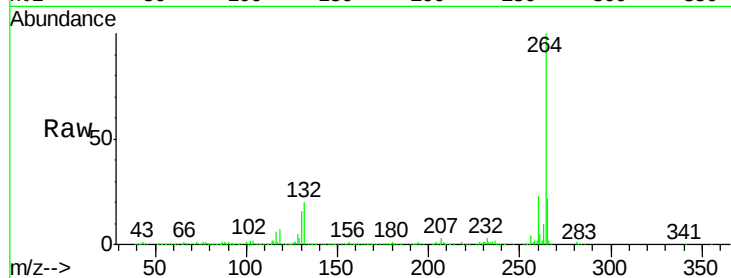




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084769.D
Acq: 3 Feb 2016 3:26

Instrument :
BNA_F
ClientSampleId :
SUP-B013(16-18)

Tgt Ion: 264 Resp: 403588
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 22.1 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
400000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

