

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084909.D
 Acq On : 6 Feb 2016 14:03
 Operator : SJ/IZ
 Sample : H1310-03
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

Quant Time: Feb 08 01:21:27 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

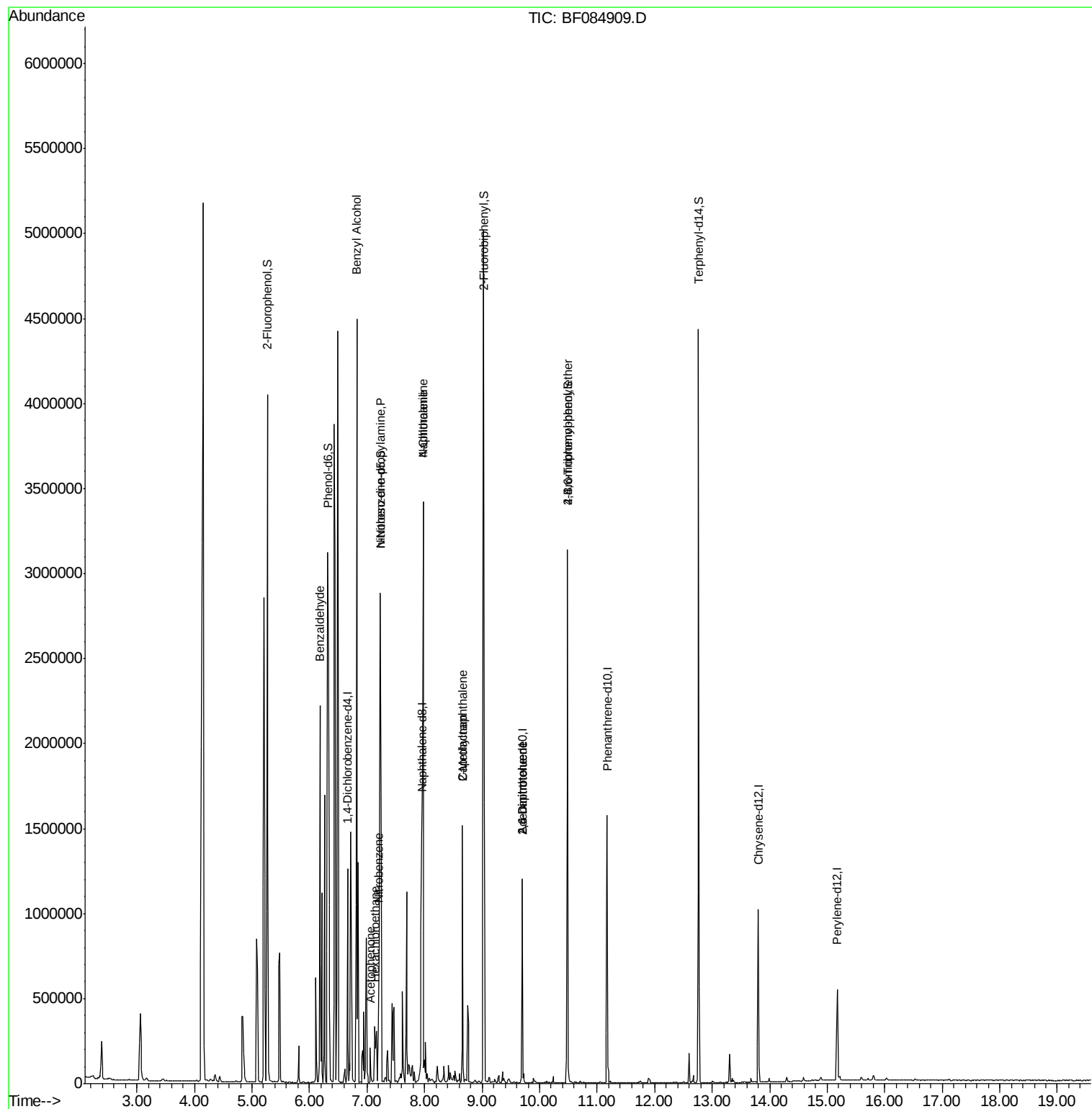
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	171878	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	720484	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	282750	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	536988	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	342627	20.00	ng	-0.03
86) Perylene-d12	15.17	264	208489	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1311104	118.82	ng	-0.01
7) Phenol-d6	6.32	99	1540739	112.63	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1110532	86.83	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	437670	148.40	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1770101	125.01	ng	-0.03
78) Terphenyl-d14	12.76	244	1354648	89.59	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.18	77	101330	12.54	ng	# 1
15) Benzyl Alcohol	6.82	79	21360	2.26	ng	# 46
18) Hexachloroethane	7.14	117	23924	4.71	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	146689	17.11	ng	# 71
22) Acetophenone	7.06	105	77308	4.07	ng	# 55
24) Nitrobenzene	7.21	77	33268	2.43	ng	# 18
31) Naphthalene	7.97	128	1744189	48.26	ng	# 99
33) 4-Chloroaniline	7.97	127	238913	15.98	ng	# 31
35) Caprolactam	8.66	113	8613	2.78	ng	# 1
37) 2-Methylnaphthalene	8.66	142	370841	16.40	ng	# 98
50) 2,6-Dinitrotoluene	9.70	165	35841	7.62	ng	# 39
56) 2,4-Dinitrotoluene	9.70	165	35841	5.97	ng	# 22
66) 4-Bromophenyl-phenylether	10.49	248	29775	5.02	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: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

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ClientSampleId :

SUP-B037(15-17)

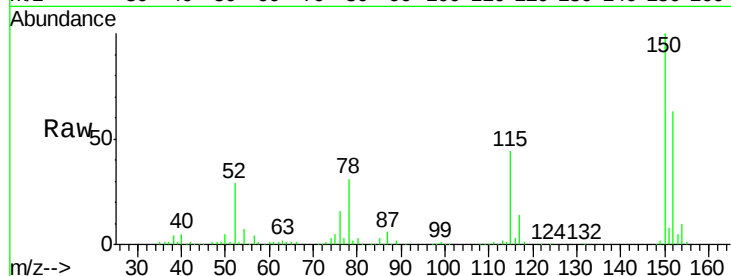
Tgt Ion:152 Resp: 171878

Ion Ratio Lower Upper

152 100

150 159.2 123.0 184.4

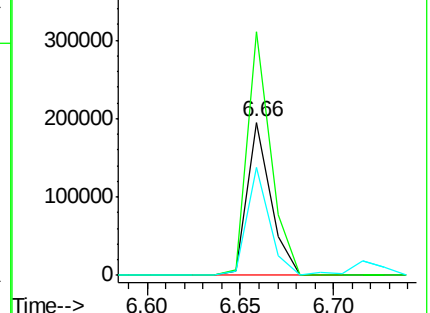
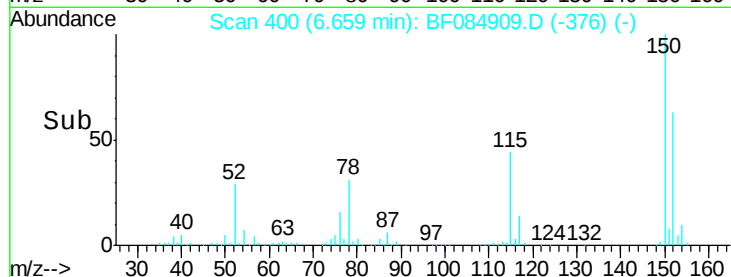
115 70.2 51.4 77.2



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: 118.82 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

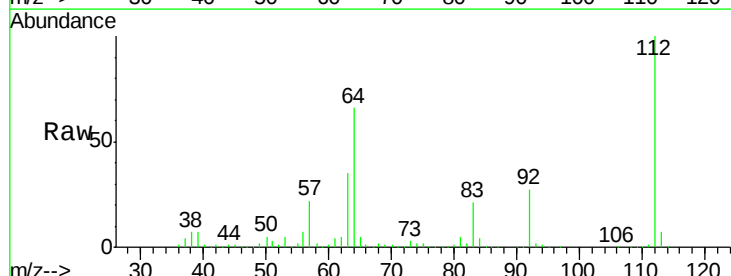
Tgt Ion:112 Resp: 1311104

Ion Ratio Lower Upper

112 100

64 65.6 36.6 55.0#

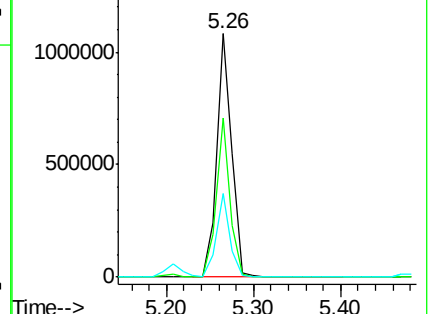
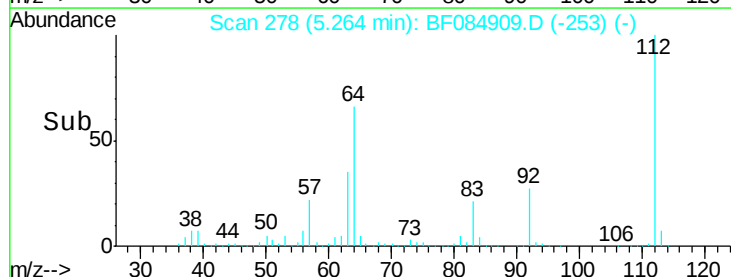
63 34.5 19.4 29.0#

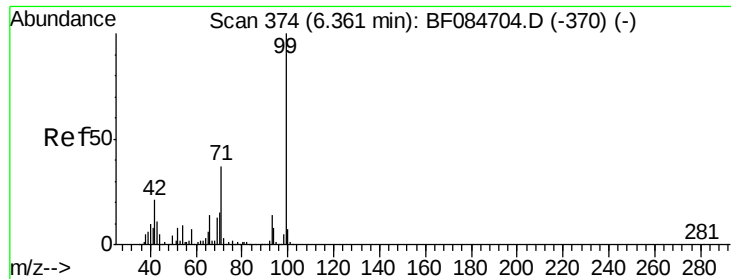


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.63 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

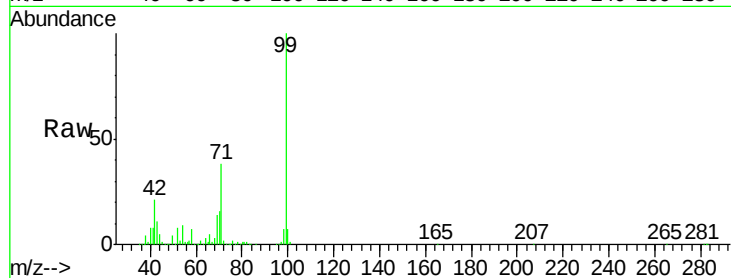
Tgt Ion: 99 Resp: 1540739

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

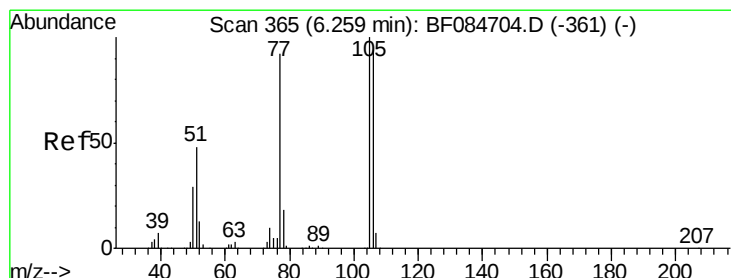
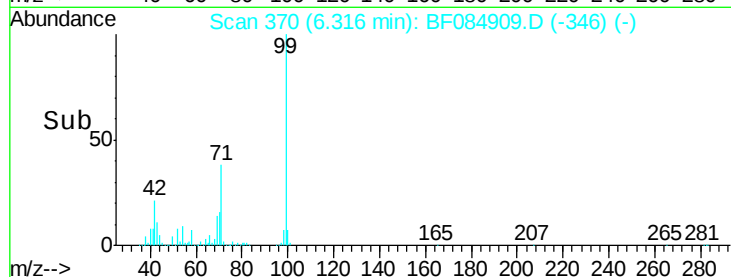
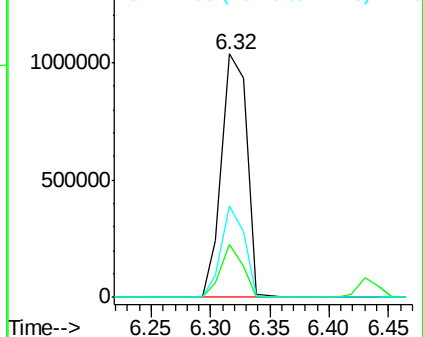
71 37.5 30.9 46.3



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



#9

Benzaldehyde

Concen: 12.54 ng

RT: 6.18 min Scan# 358

Delta R.T. -0.06 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

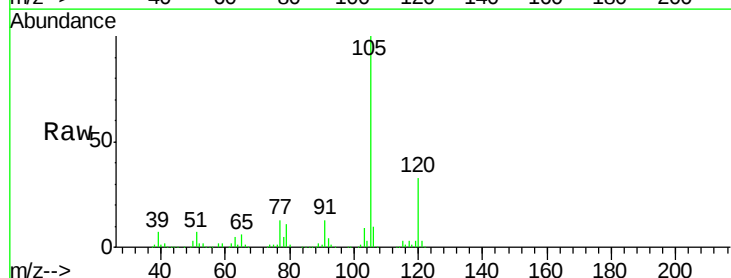
Tgt Ion: 77 Resp: 101330

Ion Ratio Lower Upper

77 100

105 763.3 83.0 123.0#

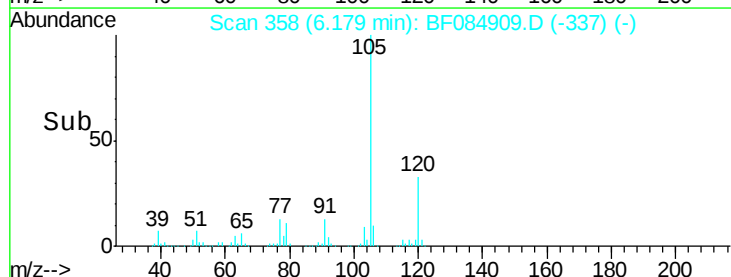
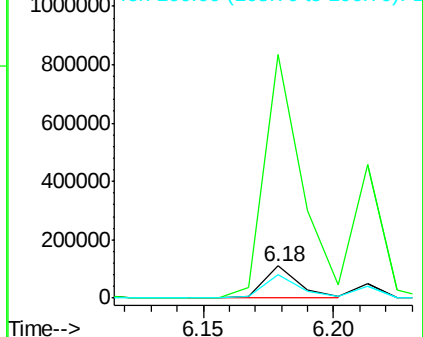
106 73.6 74.6 114.6#

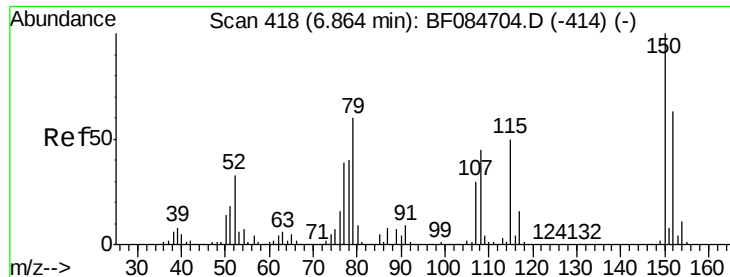


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

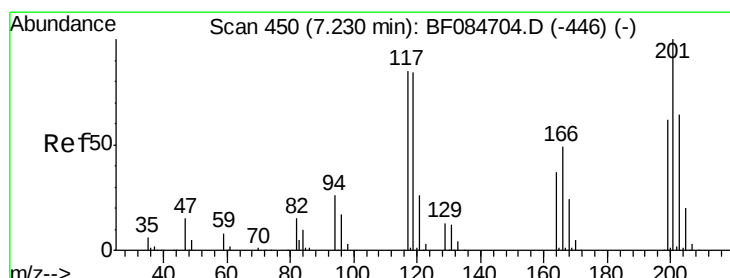
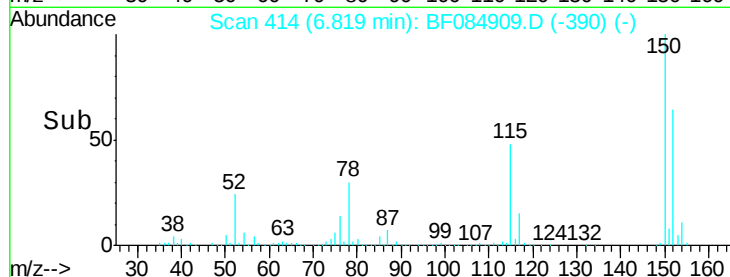
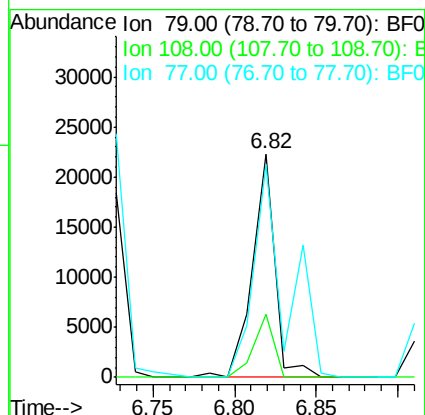
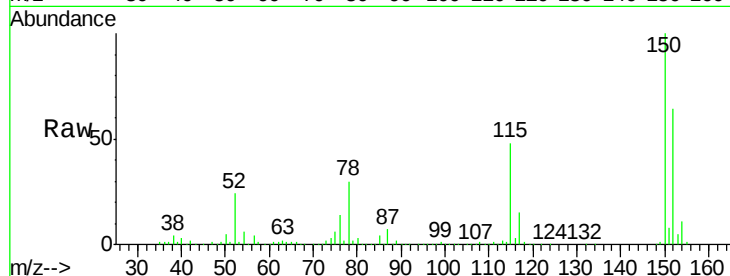
Tgt Ion: 79 Resp: 21360

Ion Ratio Lower Upper

79 100

108 28.2 69.0 103.4#

77 95.1 50.0 75.0#



#18

Hexachloroethane

Concen: 4.71 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.06 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

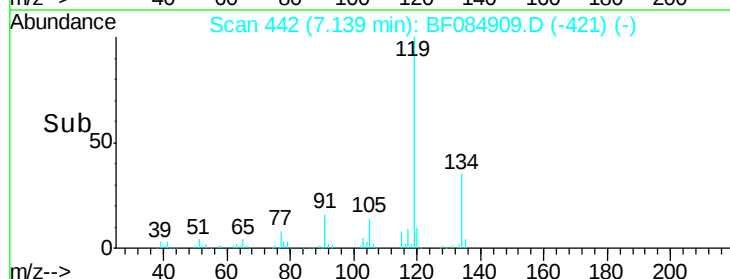
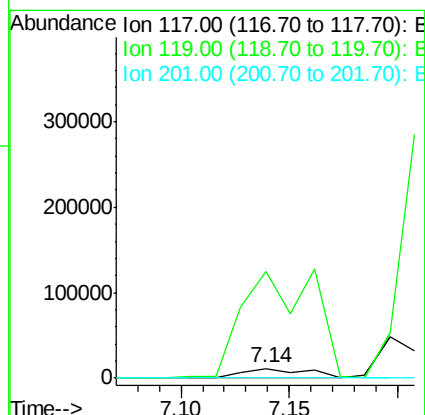
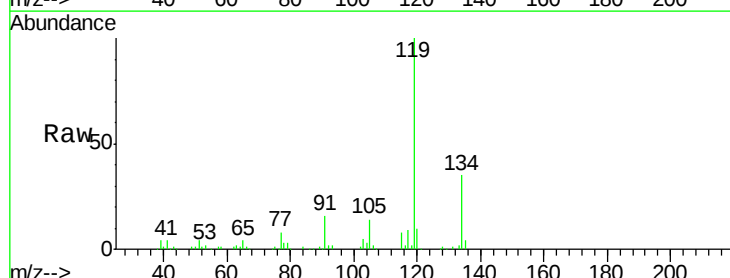
Tgt Ion: 117 Resp: 23924

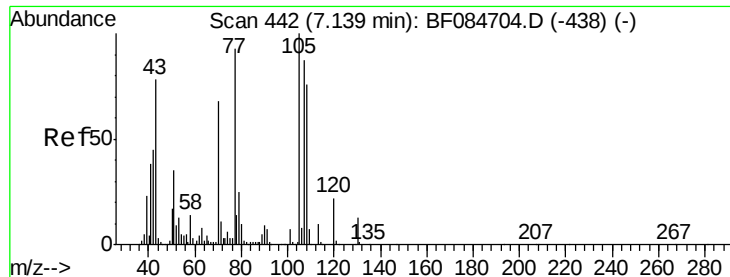
Ion Ratio Lower Upper

117 100

119 1088.5 77.4 116.0#

201 0.0 68.6 103.0#

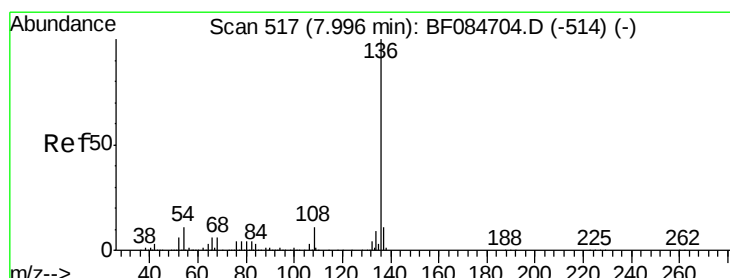
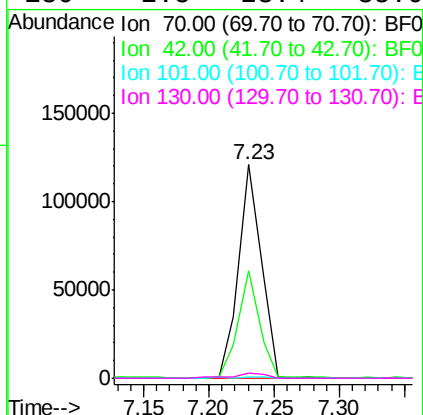
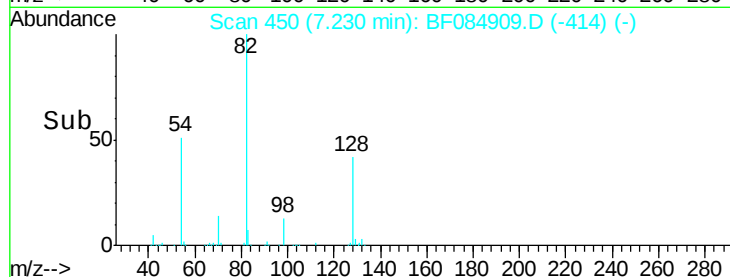
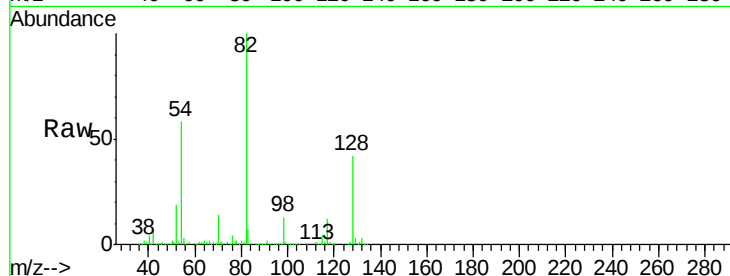




#19
n-Nitroso-di-n-propylamine
Concen: 17.11 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.11 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

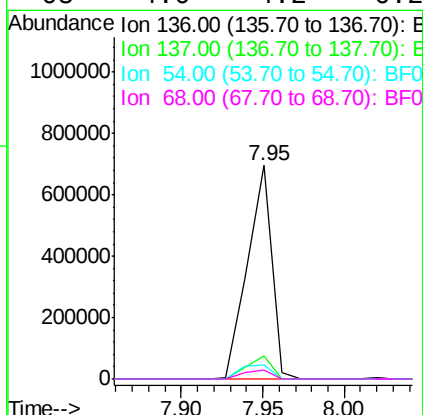
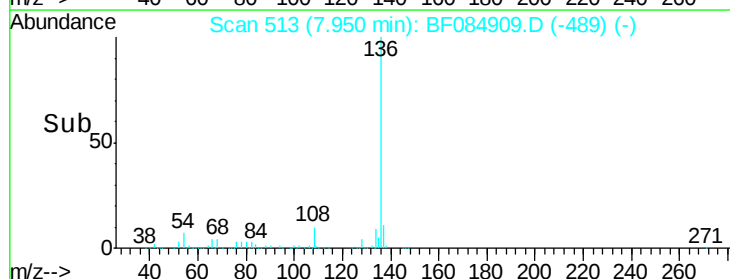
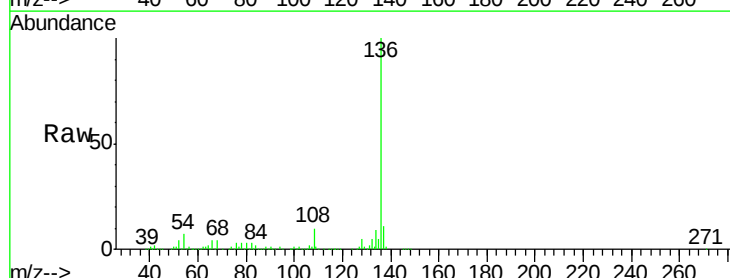
Instrument :
BNA_F
ClientSampleId :
SUP-B037(15-17)

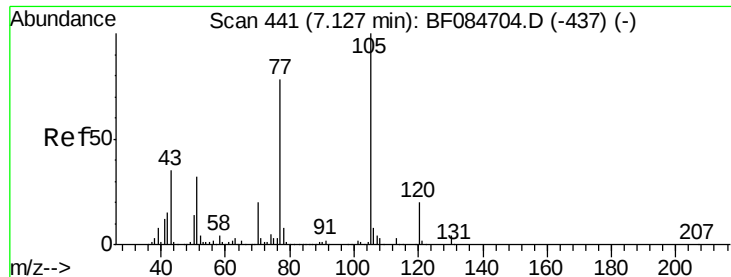
Tgt Ion: 70 Resp: 146689
Ion Ratio Lower Upper
70 100
42 50.2 33.3 49.9#
101 0.4 9.3 13.9#
130 2.5 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

Tgt Ion:136 Resp: 720484
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.8 5.8 8.8
68 4.0 4.2 6.2#





#22

Acetophenone

Concen: 4.07 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

Tgt Ion:105 Resp: 77308

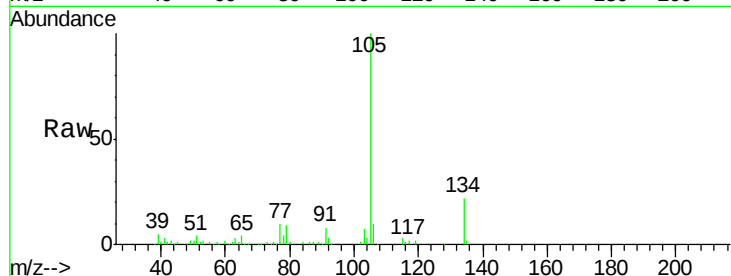
Ion Ratio Lower Upper

105 100

71 0.4 3.7 5.5#

51 4.2 25.1 37.7#

120 0.0 16.6 25.0#

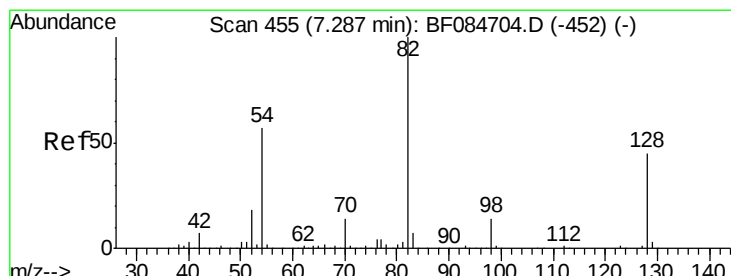
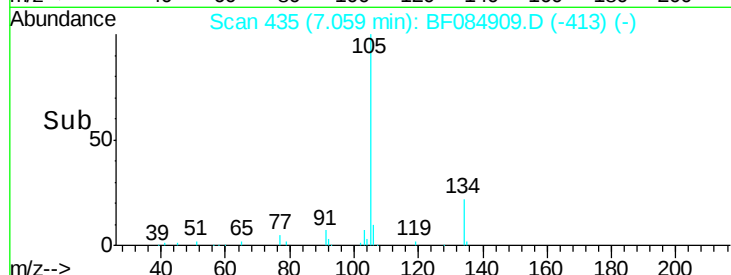
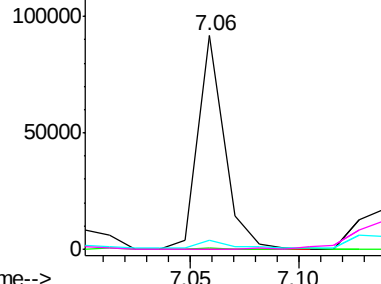


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 86.83 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

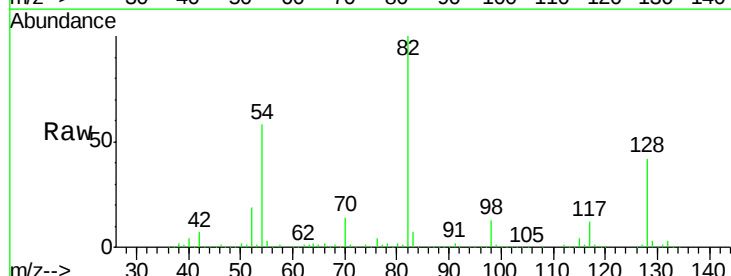
Tgt Ion: 82 Resp: 1110532

Ion Ratio Lower Upper

82 100

128 41.7 34.6 51.8

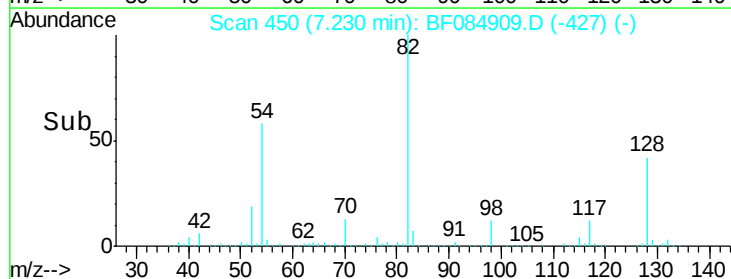
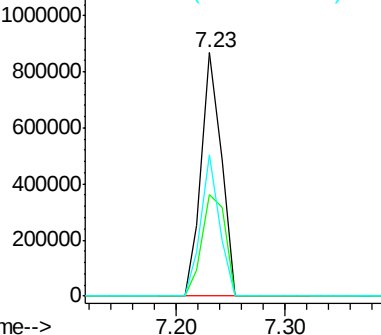
54 58.0 38.4 57.6#

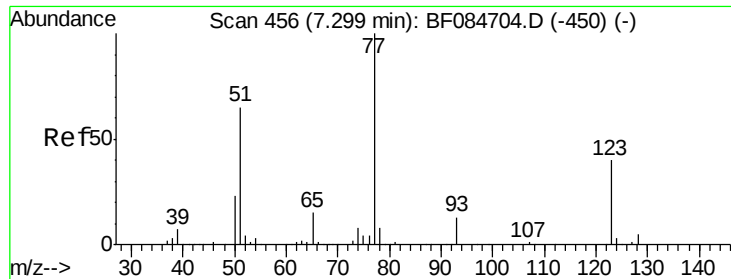


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 2.43 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

Instrument :

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ClientSampleId :

SUP-B037(15-17)

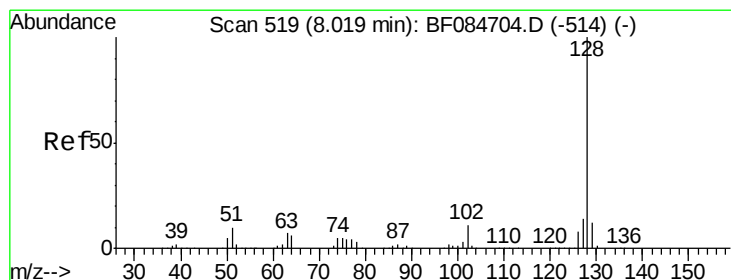
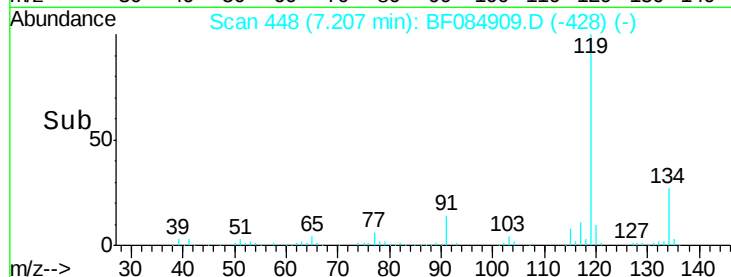
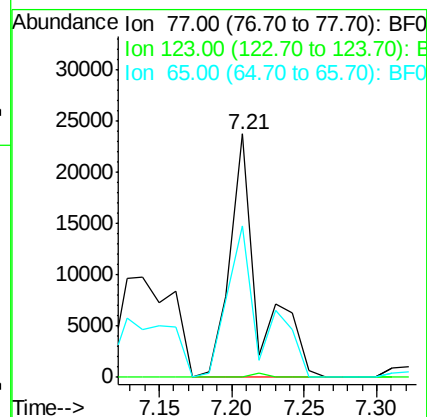
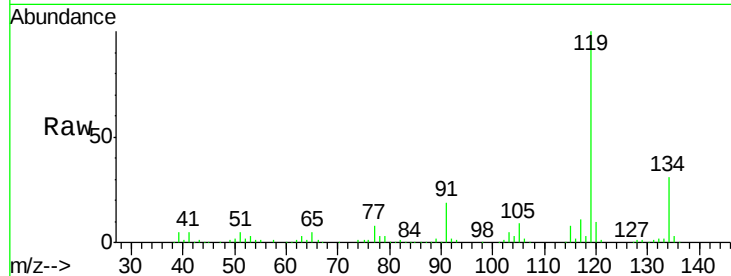
Tgt Ion: 77 Resp: 33268

Ion Ratio Lower Upper

77 100

123 0.0 37.4 56.2#

65 62.2 10.9 16.3#



#31

Naphthalene

Concen: 48.26 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

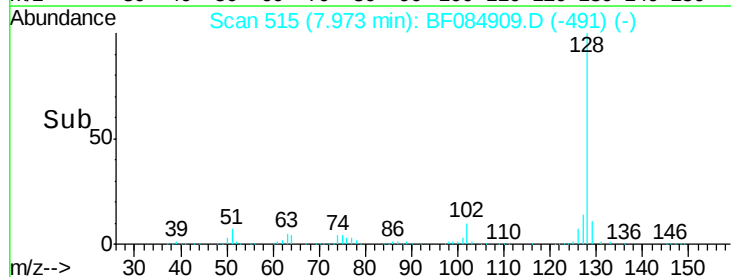
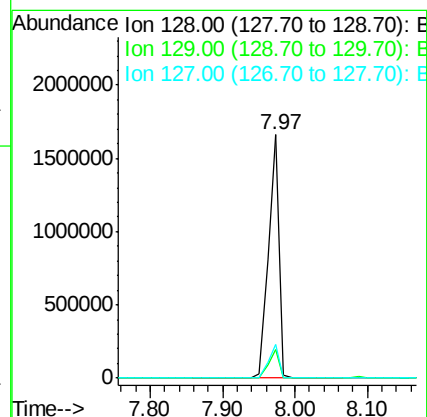
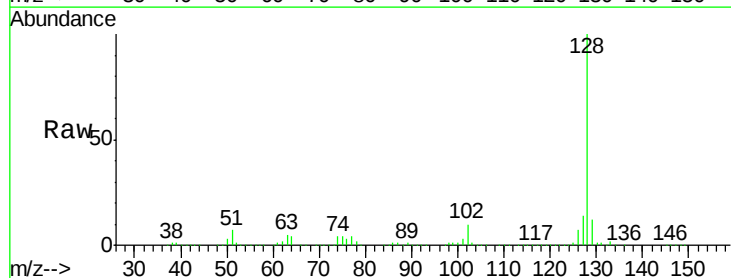
Tgt Ion: 128 Resp: 1744189

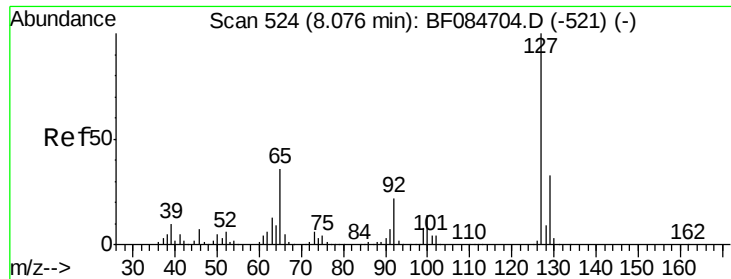
Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

127 13.7 11.1 16.7

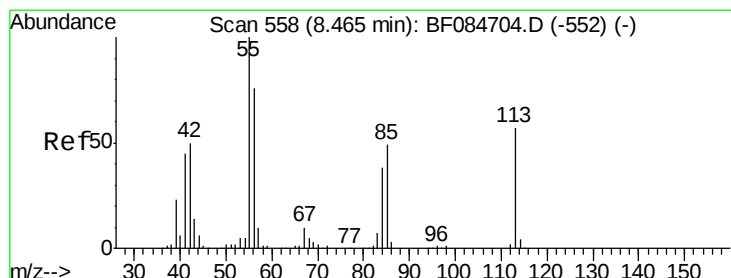
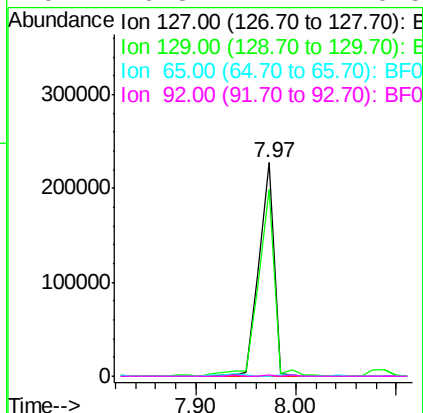
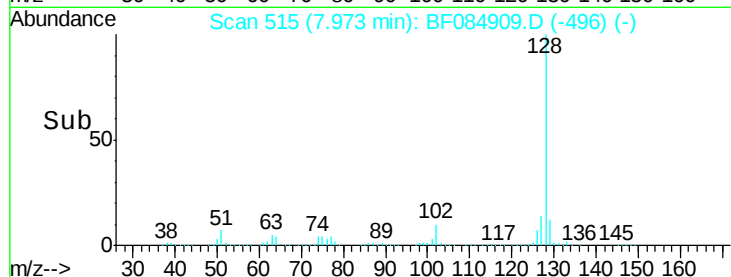
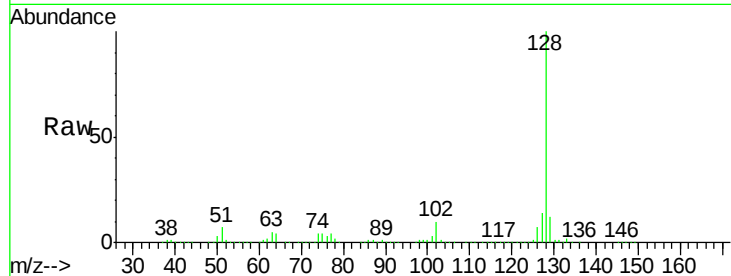




#33
4-Chloroaniline
Concen: 15.98 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

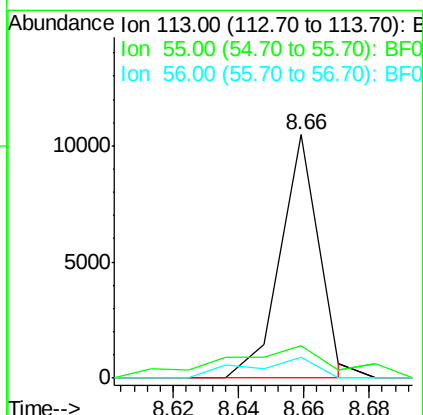
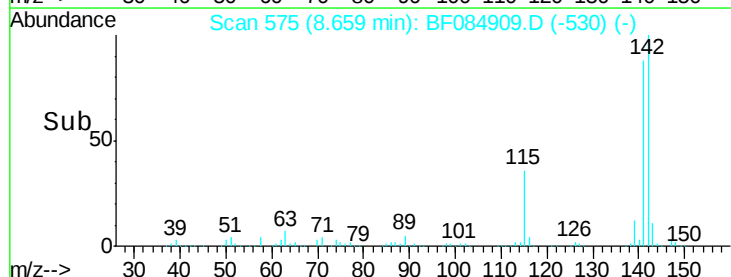
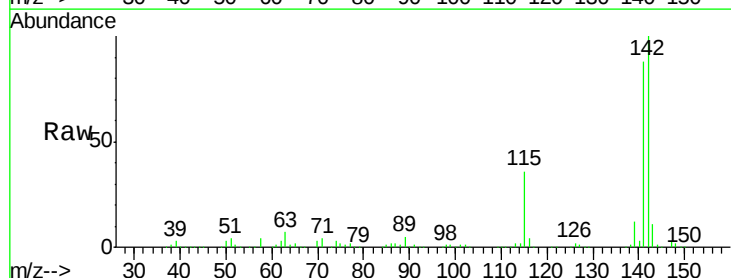
Instrument :
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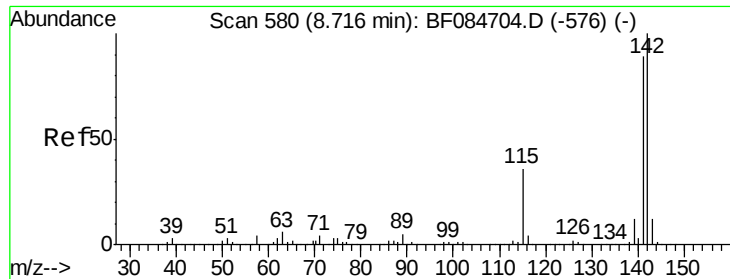
Tgt Ion:	127	Resp:	238913
Ion	Ratio	Lower	Upper
127	100		
129	87.3	26.5	39.7#
65	0.0	27.2	40.8#
92	0.3	17.7	26.5#



#35
Caprolactam
Concen: 2.78 ng
RT: 8.66 min Scan# 575
Delta R.T. 0.22 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

Tgt Ion:	113	Resp:	8613
Ion	Ratio	Lower	Upper
113	100		
55	13.2	116.9	156.9#
56	8.8	93.8	133.8#

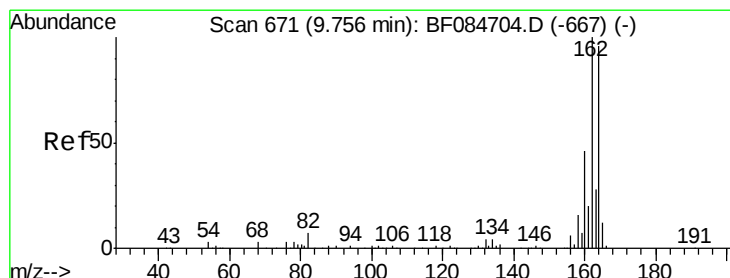
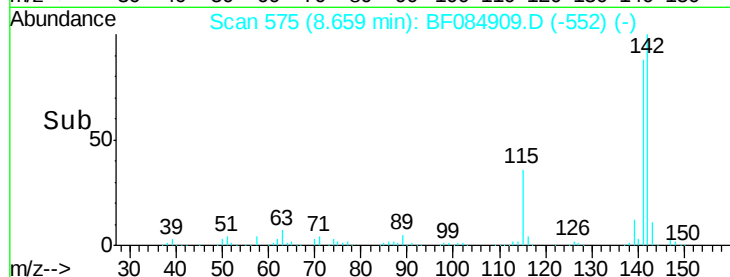
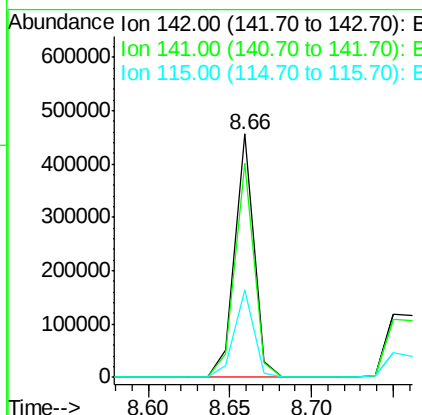
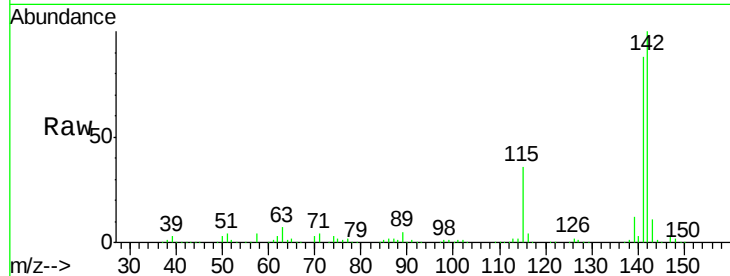




#37
 2-Methylnaphthalene
 Concen: 16.40 ng
 RT: 8.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

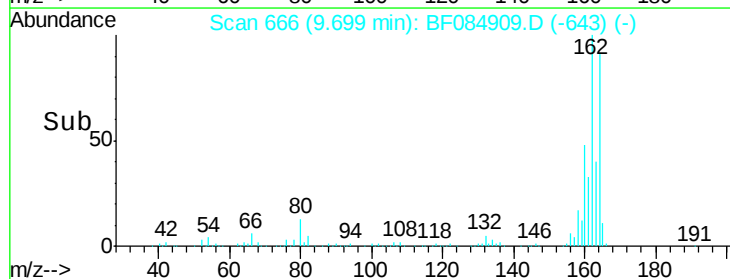
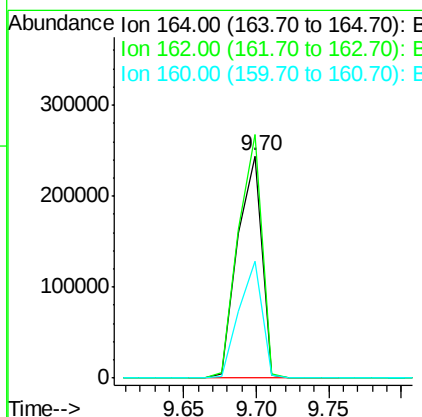
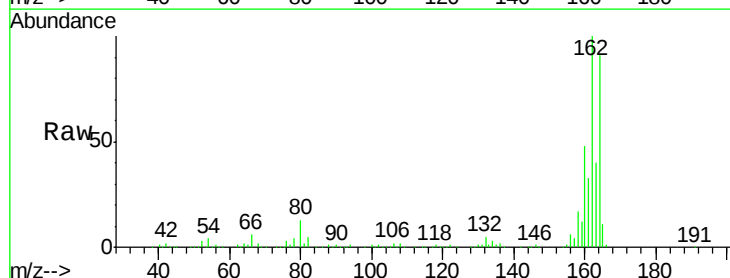
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

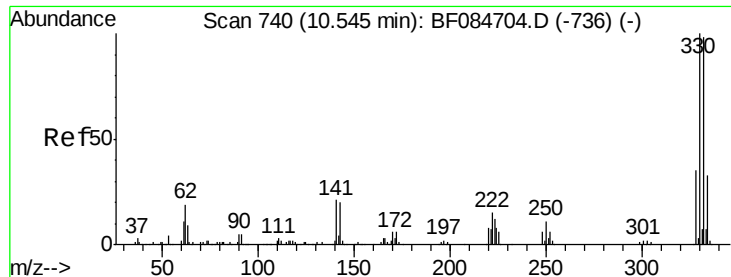
Tgt Ion:142 Resp: 370841
 Ion Ratio Lower Upper
 142 100
 141 88.0 72.4 108.6
 115 35.8 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

Tgt Ion:164 Resp: 282750
 Ion Ratio Lower Upper
 164 100
 162 109.6 85.1 127.7
 160 52.4 37.5 56.3

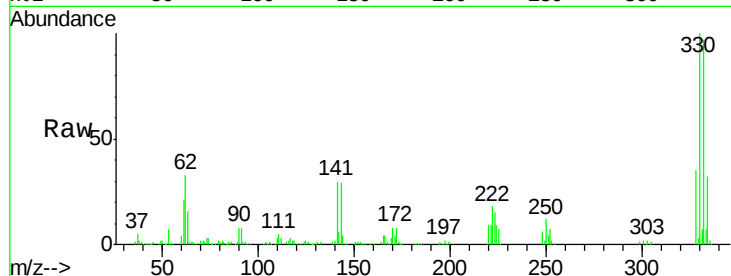




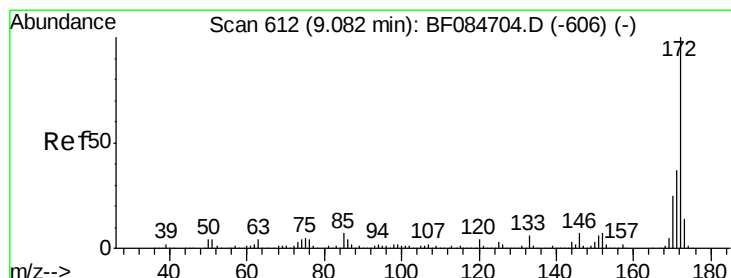
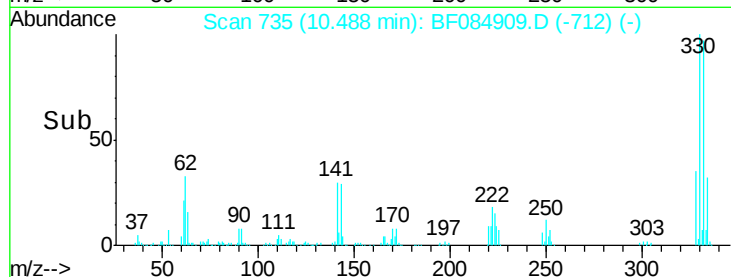
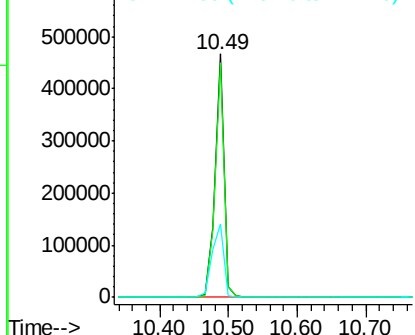
#41
 2,4,6-Tribromophenol
 Concen: 148.40 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

Tgt Ion:330 Resp: 437670
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 38.2 27.8 41.6

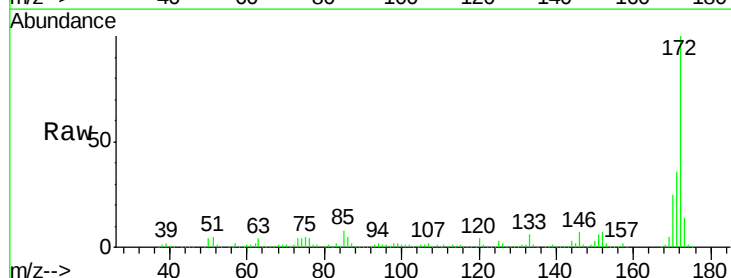


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

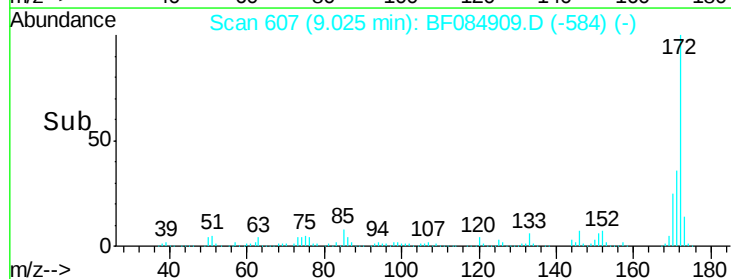
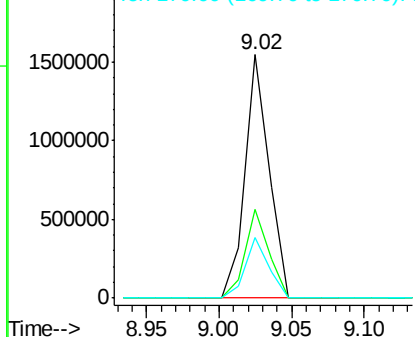


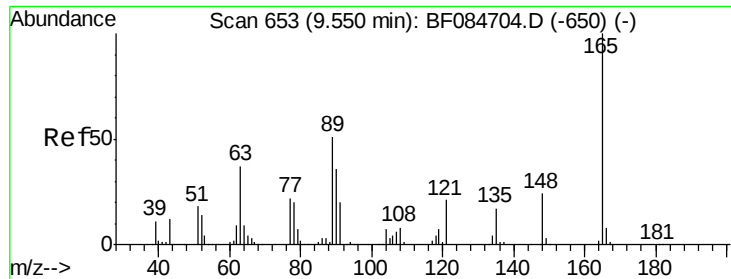
#44
 2-Fluorobiphenyl
 Concen: 125.01 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

Tgt Ion:172 Resp: 1770101
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 25.1 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

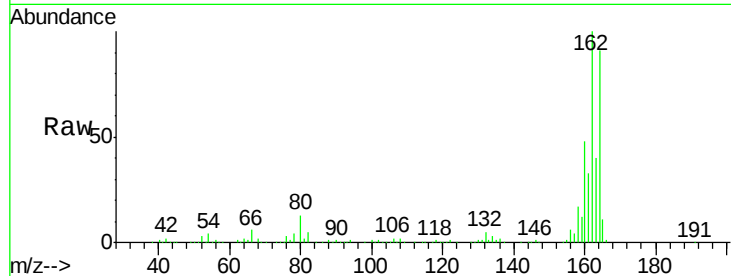




#50
 2,6-Dinitrotoluene
 Concen: 7.62 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B037(15-17)

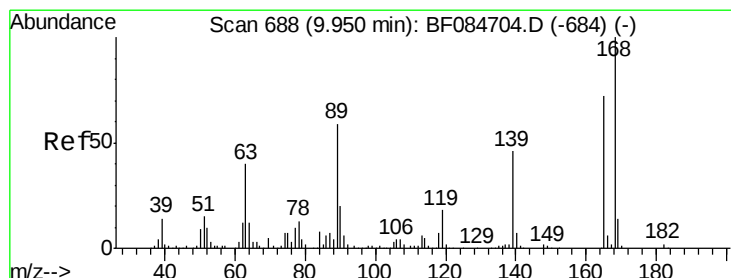
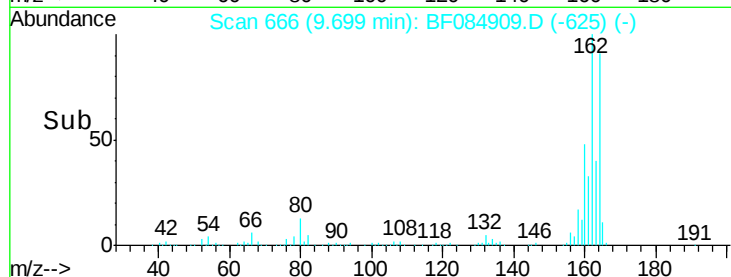
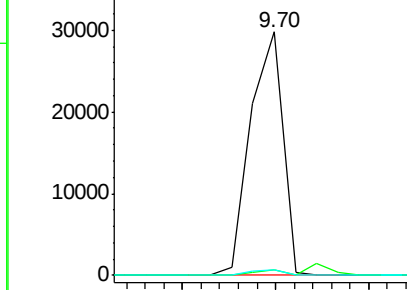
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	28.8	43.2#
89	2.3	35.1	52.7#



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: 5.97 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084909.D
 Acq: 6 Feb 2016 14:03

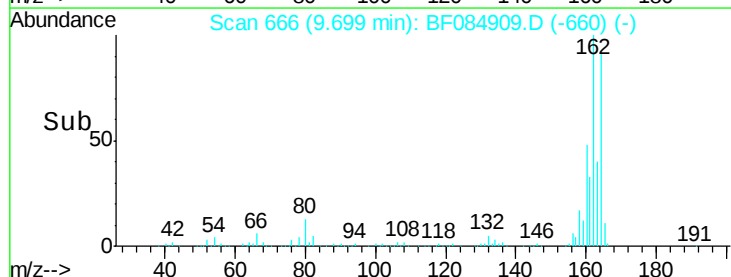
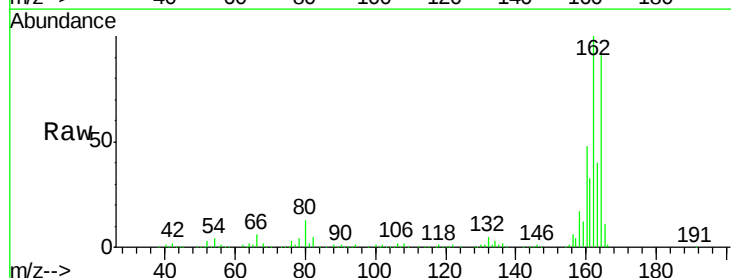
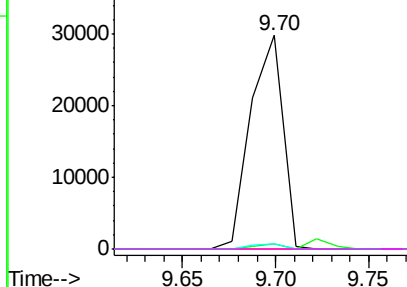
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.7	55.1#
89	2.3	61.9	92.9#
182	0.0	2.0	3.0#

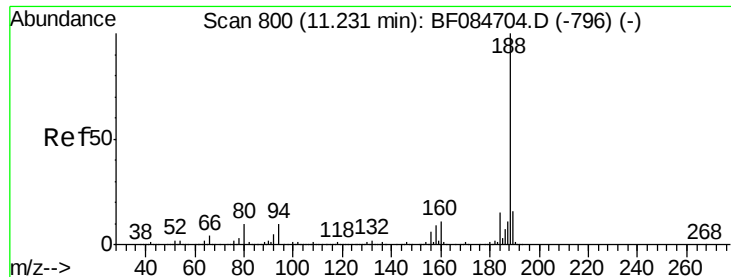
Abundance Ion 165.00 (164.70 to 165.70): E

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

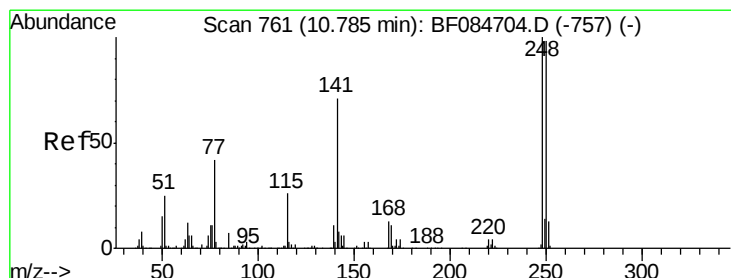
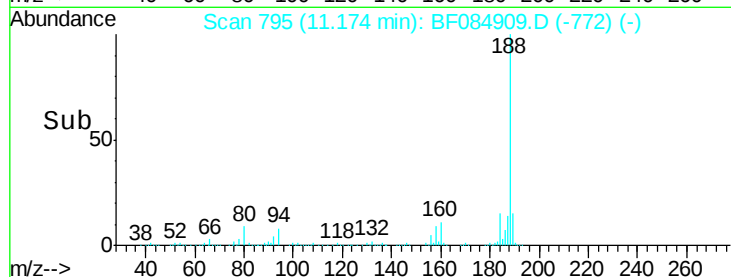
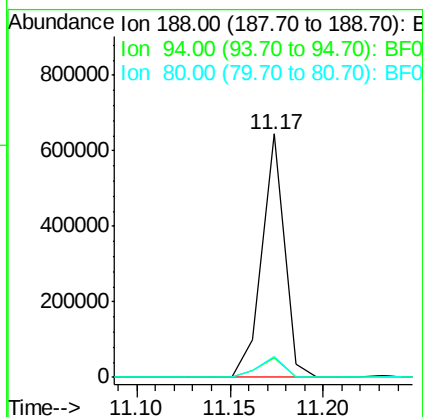
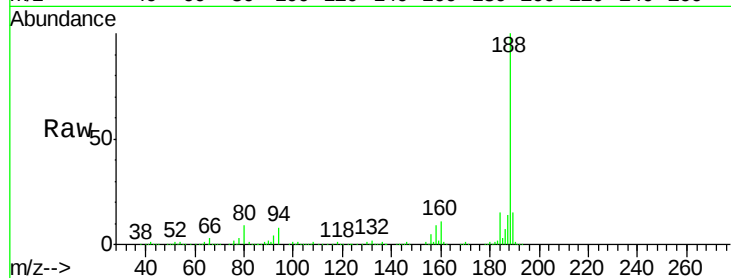




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

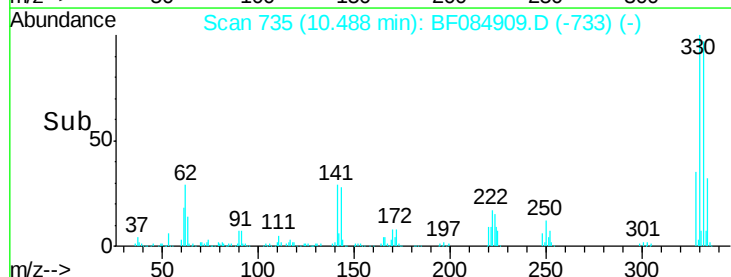
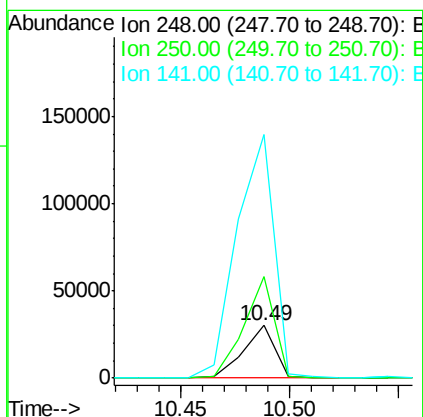
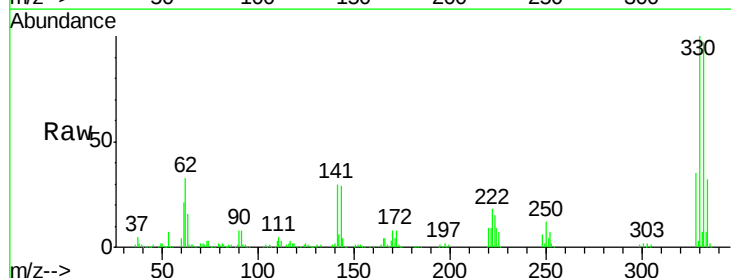
Instrument :
BNA_F
ClientSampleId :
SUP-B037(15-17)

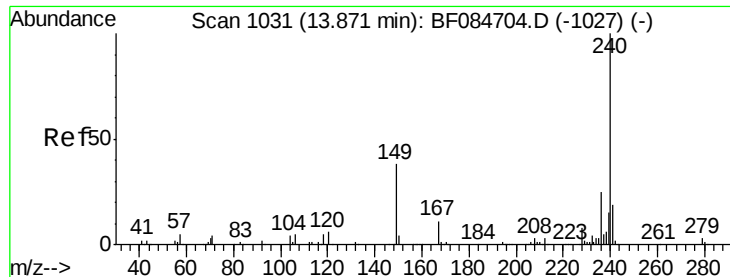
Tgt Ion:188 Resp: 536988
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.4#
80 8.5 9.6 14.4#



#66
4-Bromophenyl-phenylether
Concen: 5.02 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

Tgt Ion:248 Resp: 29775
Ion Ratio Lower Upper
248 100
250 193.3 78.4 117.6#
141 462.6 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: BF084909.D

Acq: 6 Feb 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SUP-B037(15-17)

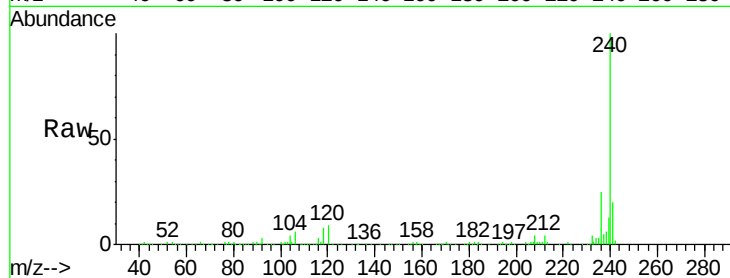
Tgt Ion:240 Resp: 342627

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

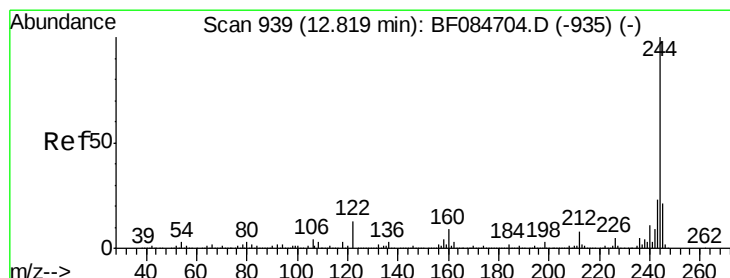
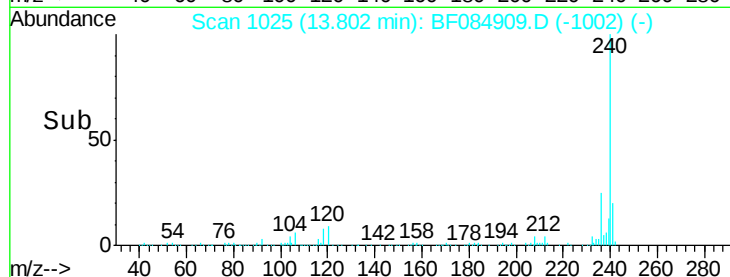
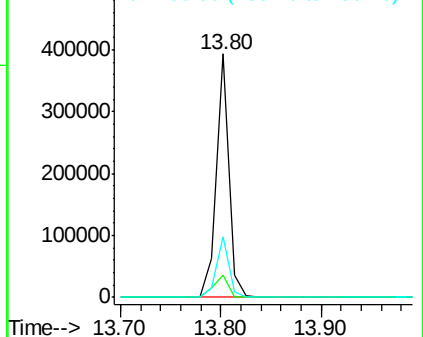
236 25.0 20.6 31.0



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: 89.59 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084909.D

Acq: 6 Feb 2016 14:03

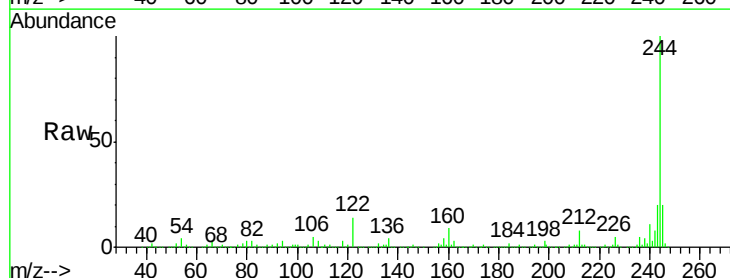
Tgt Ion:244 Resp: 1354648

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

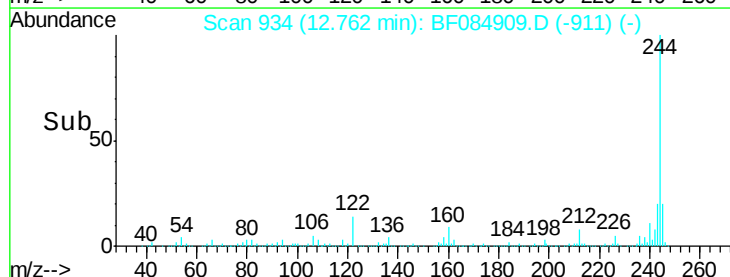
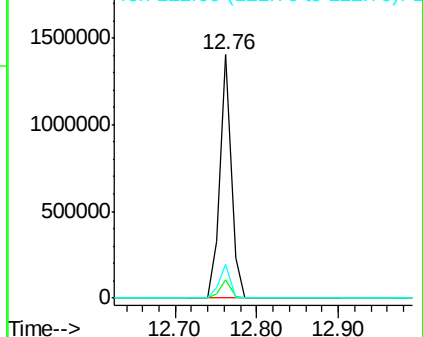
122 13.7 7.4 11.0#

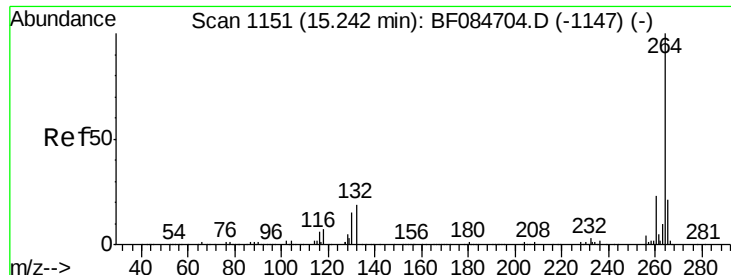


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

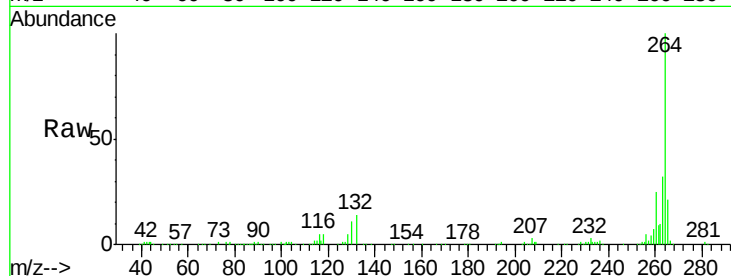




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084909.D
Acq: 6 Feb 2016 14:03

Instrument :
BNA_F
ClientSampleId :
SUP-B037(15-17)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.4	29.2
265	20.7	17.8	26.6



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

