

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084882.D
 Acq On : 6 Feb 2016 1:37
 Operator : SJ/IZ
 Sample : H1311-05 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

Quant Time: Feb 06 03:40:02 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

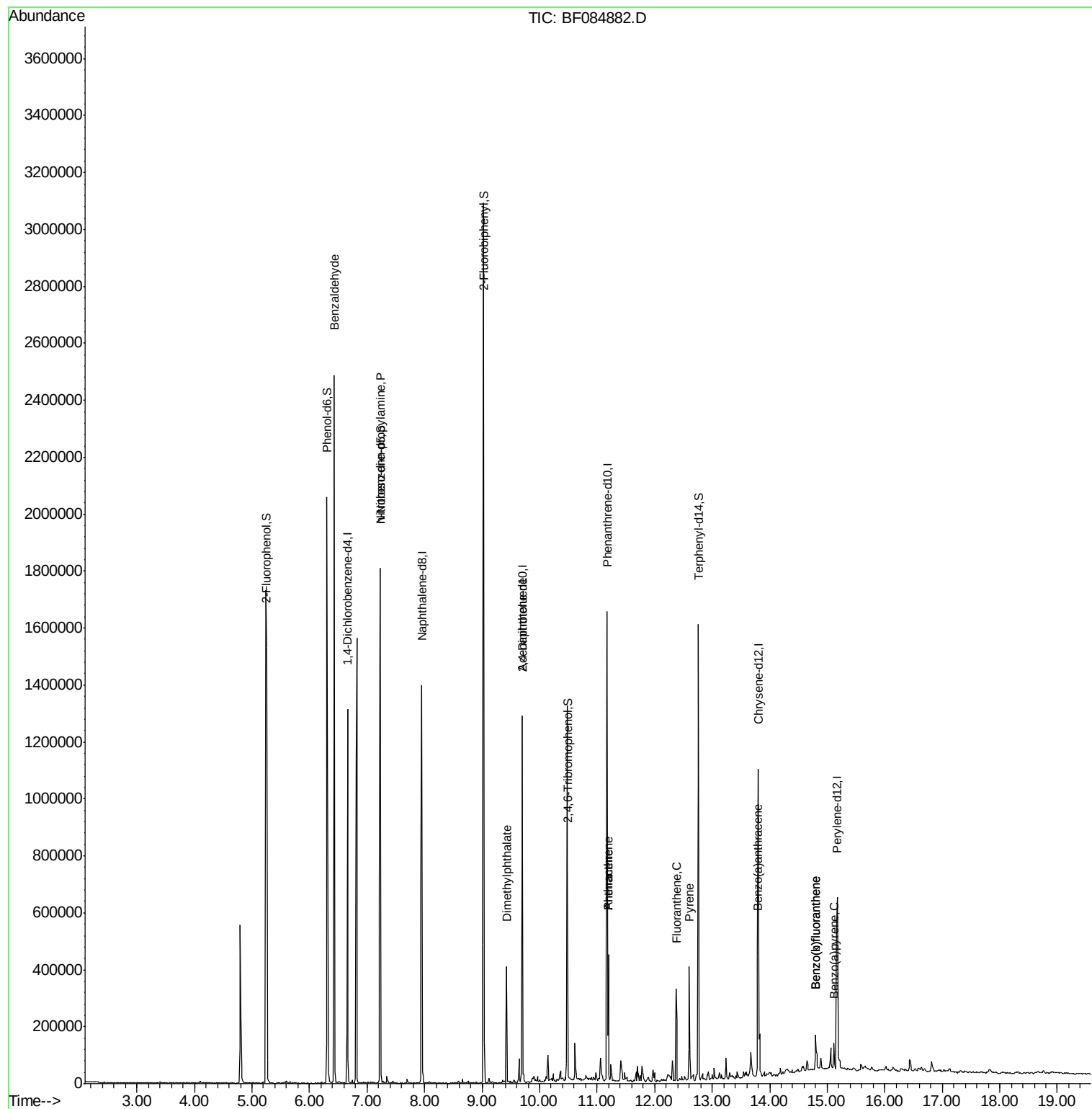
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	174656	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	717633	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	313088	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	553596	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	360945	20.00	ng	-0.03
86) Perylene-d12	15.17	264	313252	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	678522	60.51	ng	-0.02
7) Phenol-d6	6.30	99	807301	58.07	ng	-0.03
23) Nitrobenzene-d5	7.23	82	587002	46.08	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	190995	58.48	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	854204	38.40	ng	-0.03
78) Terphenyl-d14	12.76	244	627755	39.41	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	16761	2.04	ng	85
19) n-Nitroso-di-n-propylamine	7.23	70	77444	8.89	ng	# 75
49) Dimethylphthalate	9.42	163	149530	6.27	ng	# 91
56) 2,4-Dinitrotoluene	9.70	165	39900	6.01	ng	# 22
70) Phenanthrene	11.20	178	154994	5.05	ng	99
71) Anthracene	11.20	178	154994	5.01	ng	98
74) Fluoranthene	12.37	202	170374	5.48	ng	99
77) Pyrene	12.60	202	151893	5.50	ng	100
80) Benzo(a)anthracene	13.79	228	61336	2.74	ng	97
87) Benzo(b)fluoranthene	14.80	252	75190	3.57	ng	# 95
88) Benzo(k)fluoranthene	14.80	252	75190	4.32	ng	99
89) Benzo(a)pyrene	15.12	252	42134	2.35	ng	95

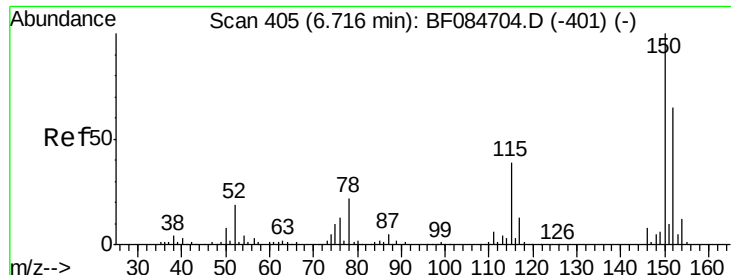
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

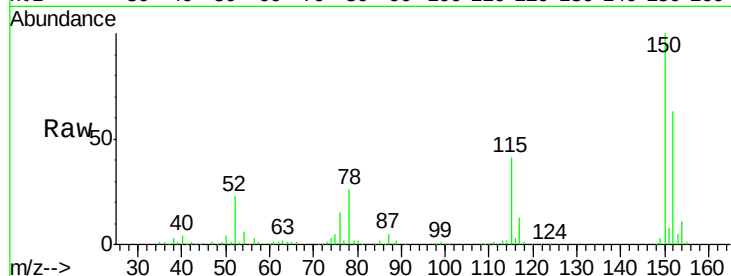
Tgt Ion:152 Resp: 174656

Ion Ratio Lower Upper

152 100

150 158.7 123.0 184.4

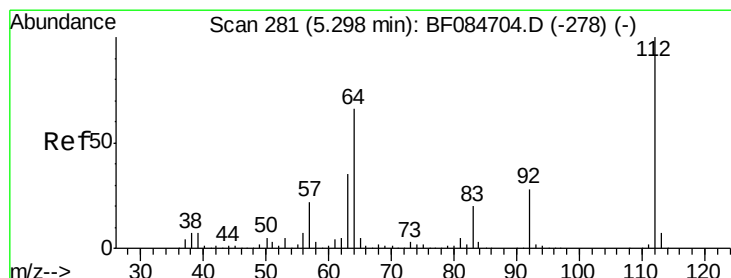
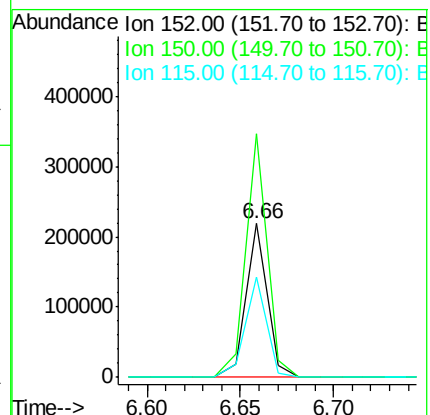
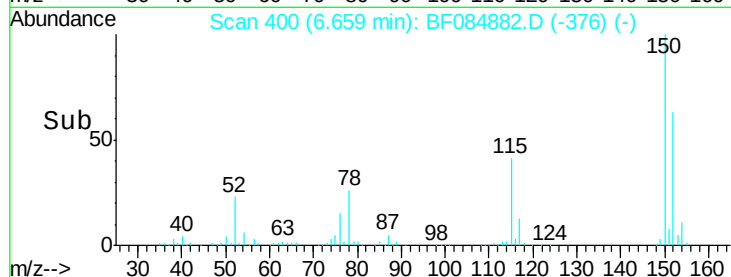
115 65.6 51.4 77.2



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: 60.51 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

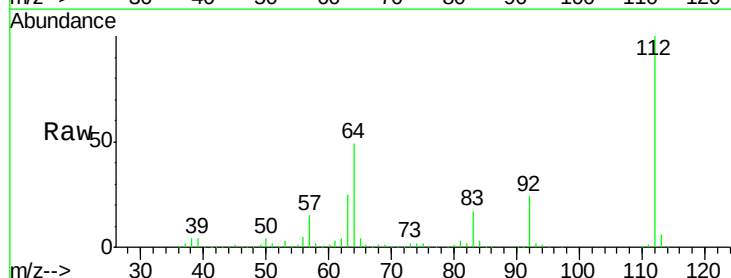
Tgt Ion:112 Resp: 678522

Ion Ratio Lower Upper

112 100

64 49.4 36.6 55.0

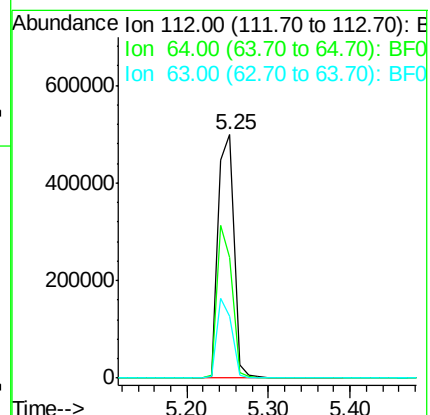
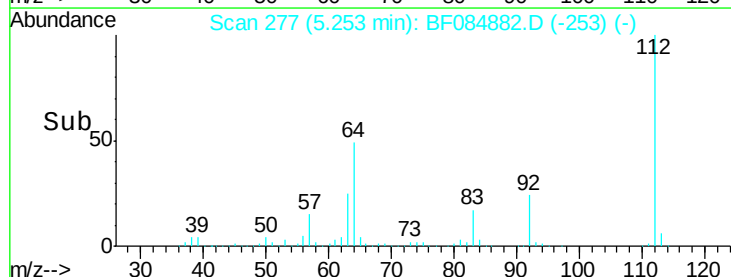
63 25.4 19.4 29.0

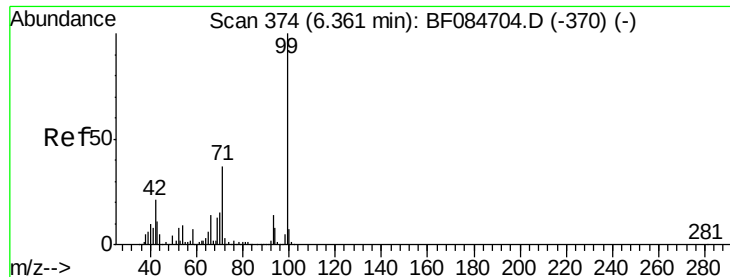


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.07 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

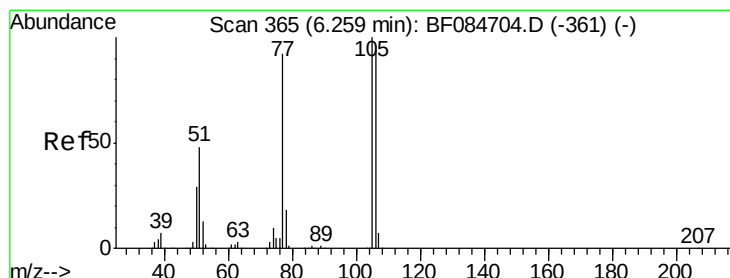
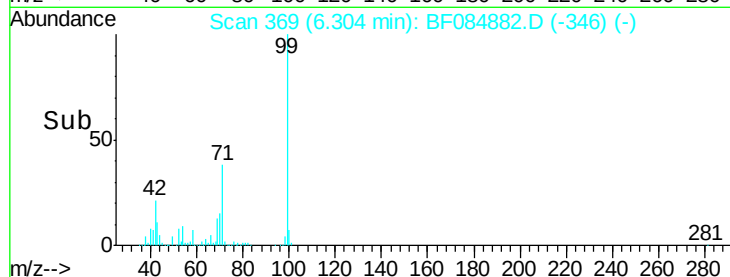
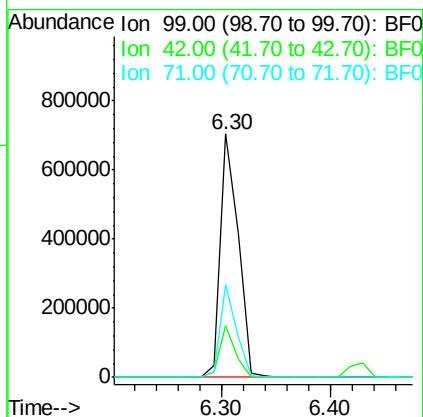
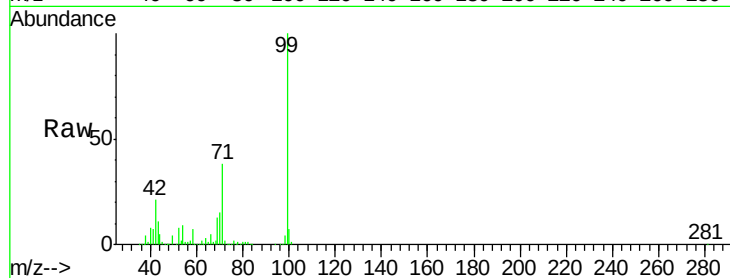
Tgt Ion: 99 Resp: 807301

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

71 38.1 30.9 46.3



#9

Benzaldehyde

Concen: 2.04 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.19 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

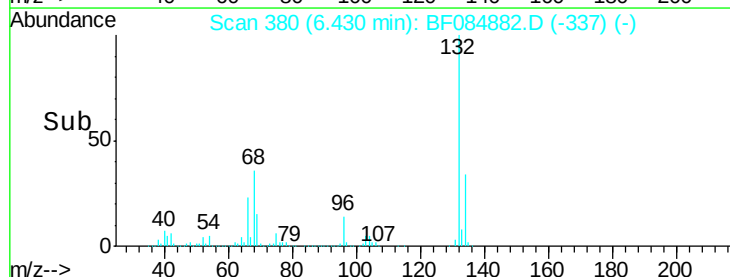
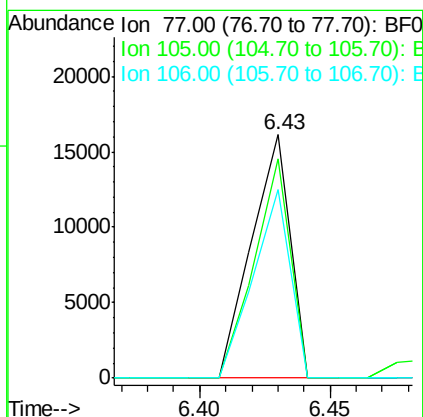
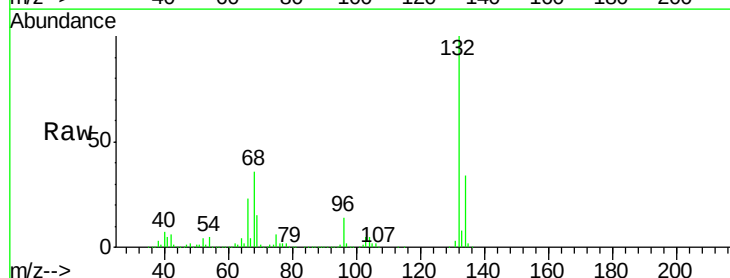
Tgt Ion: 77 Resp: 16761

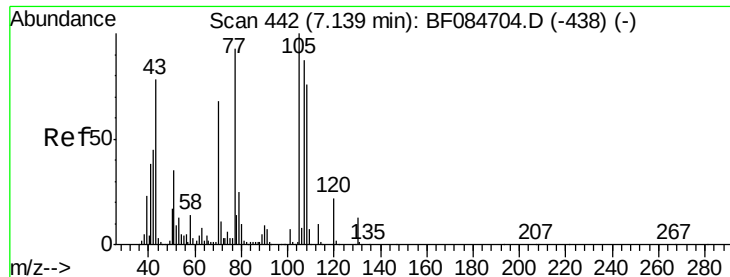
Ion Ratio Lower Upper

77 100

105 89.9 83.0 123.0

106 77.3 74.6 114.6





#19

n-Nitroso-di-n-propylamine

Concen: 8.89 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

Tgt Ion: 70 Resp: 77444

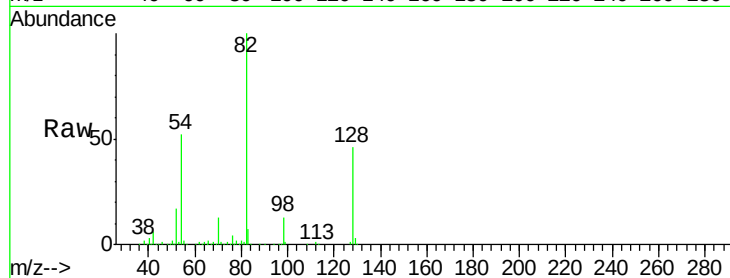
Ion Ratio Lower Upper

70 100

42 45.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

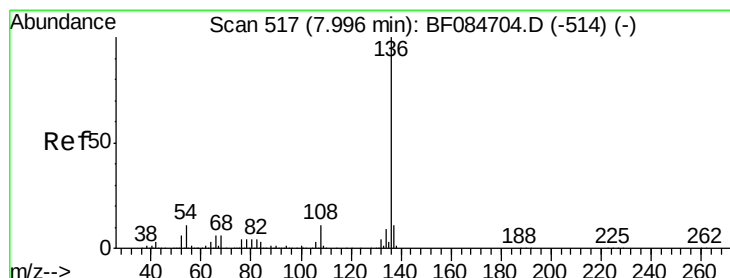
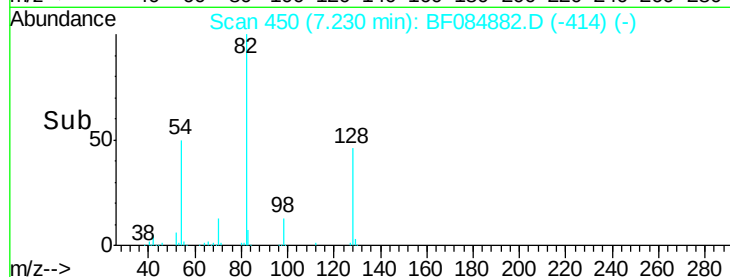
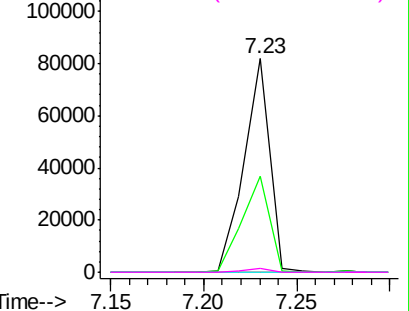


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF084882.D

Acq: 6 Feb 2016 1:37

Tgt Ion: 136 Resp: 717633

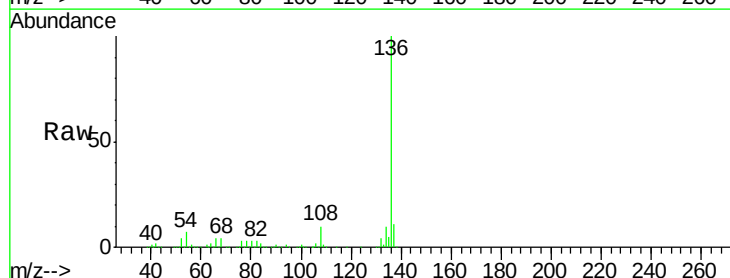
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.9 5.8 8.8

68 4.0 4.2 6.2#

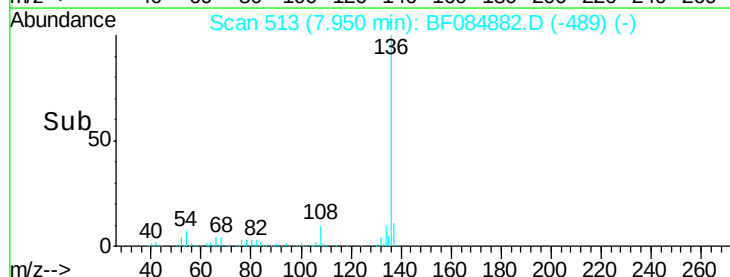
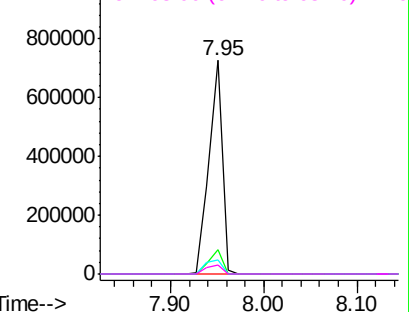


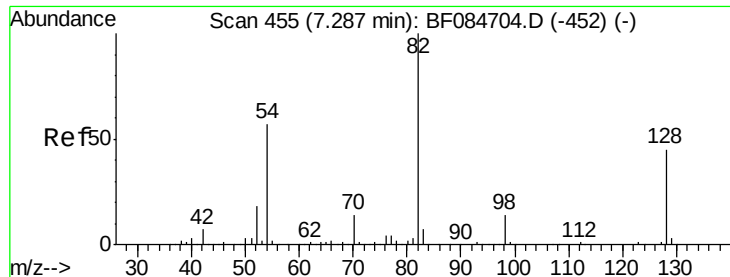
Abundance Ion 136.00 (135.70 to 136.70): E

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

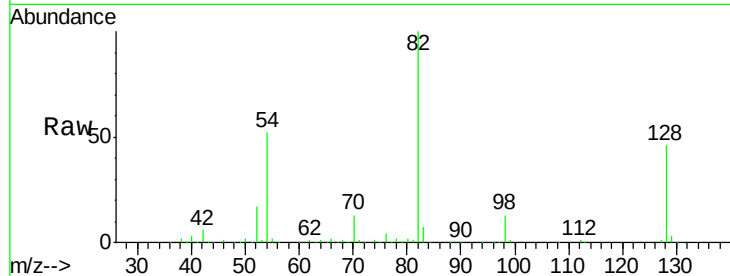




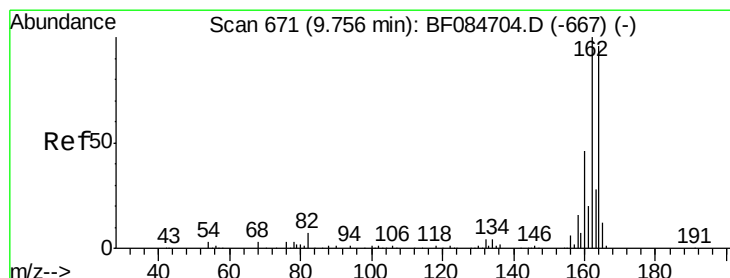
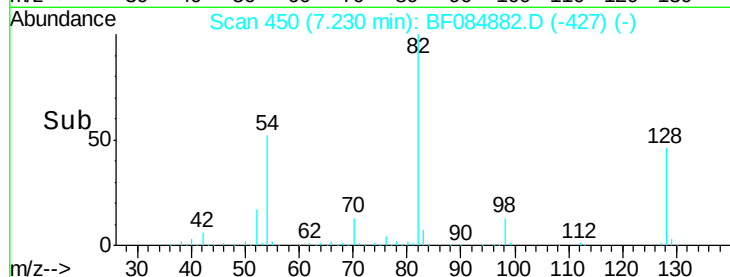
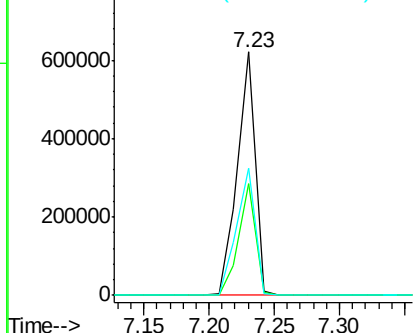
#23
 Nitrobenzene-d5
 Concen: 46.08 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

Tgt Ion: 82 Resp: 587002
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.6 51.8
 54 52.4 38.4 57.6

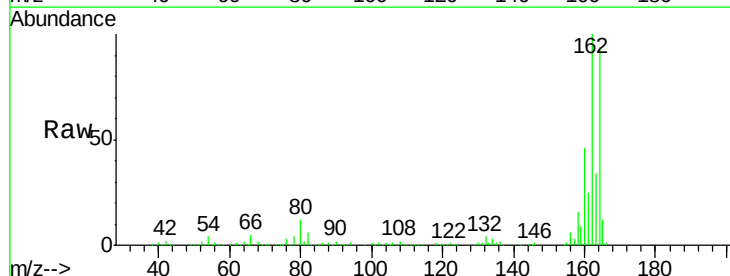


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

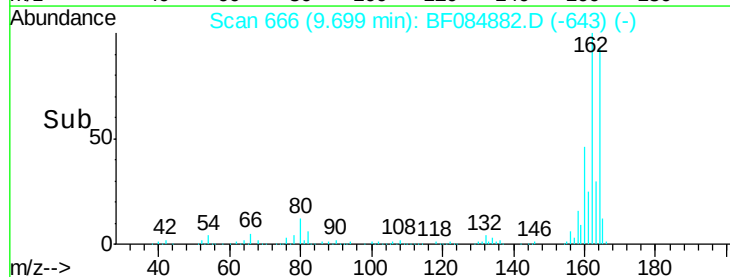
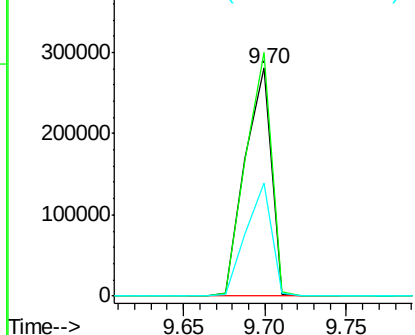


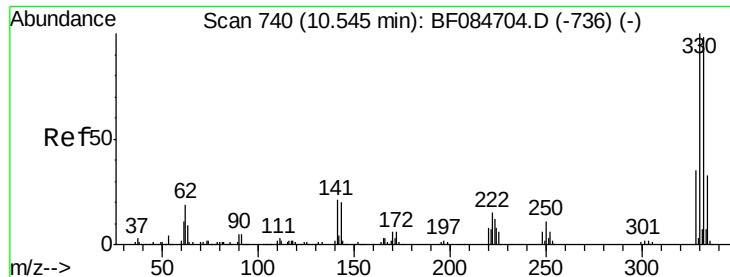
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Tgt Ion: 164 Resp: 313088
 Ion Ratio Lower Upper
 164 100
 162 106.9 85.1 127.7
 160 49.5 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

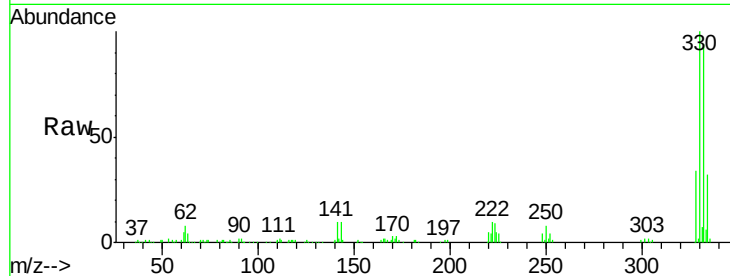




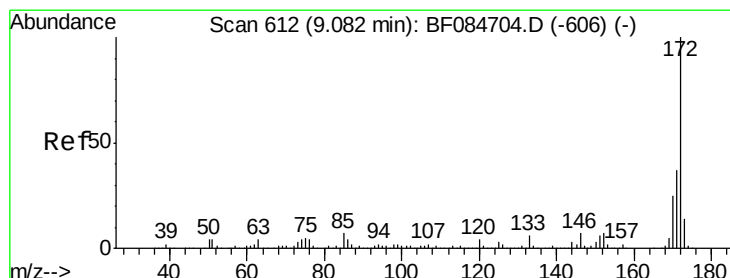
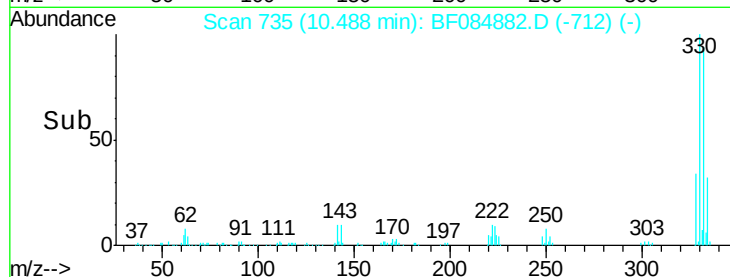
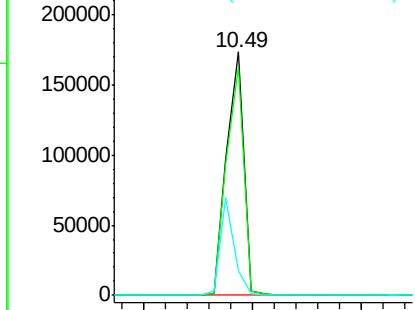
#41
 2,4,6-Tribromophenol
 Concen: 58.48 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	33.1	27.8	41.6

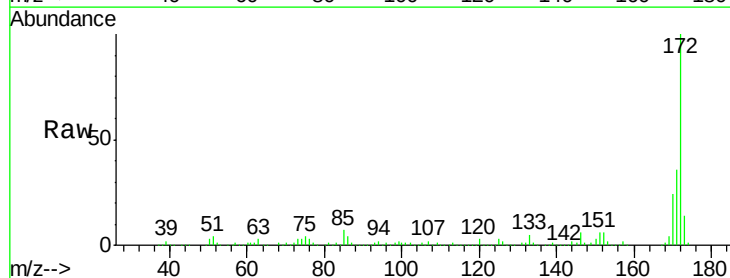


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

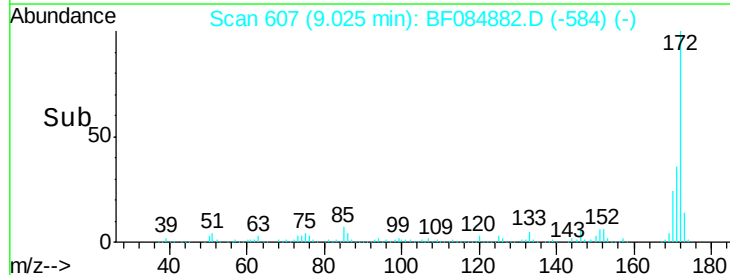
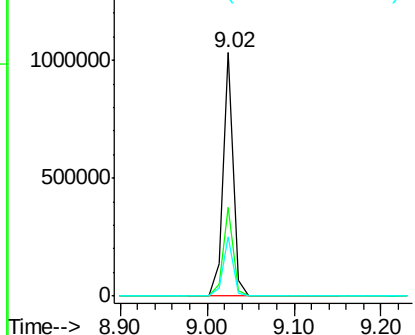


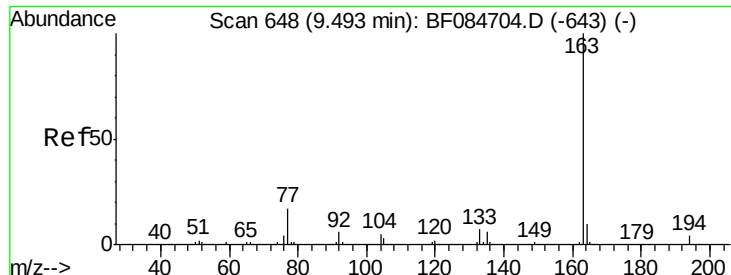
#44
 2-Fluorobiphenyl
 Concen: 38.40 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.3	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

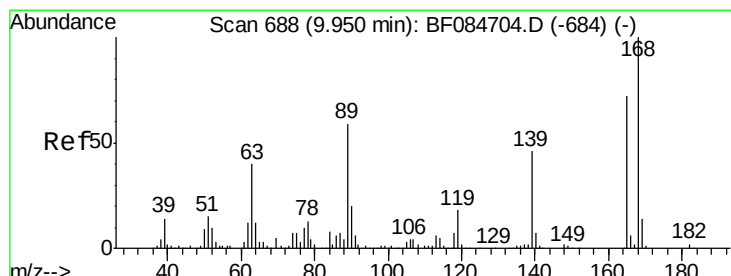
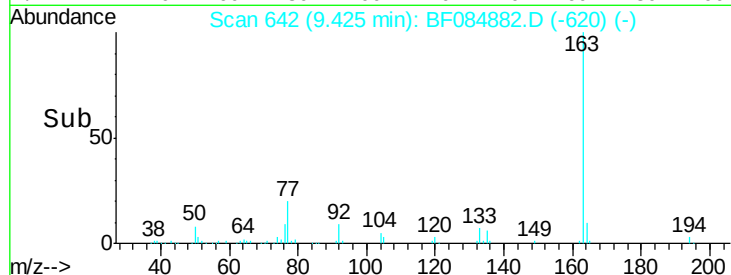
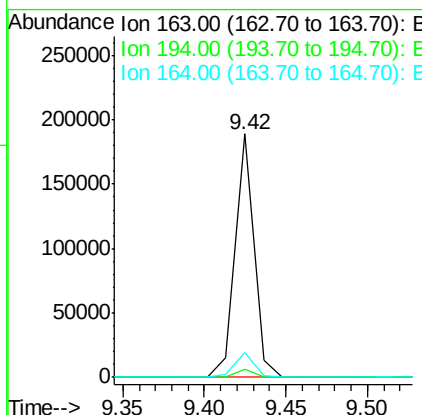
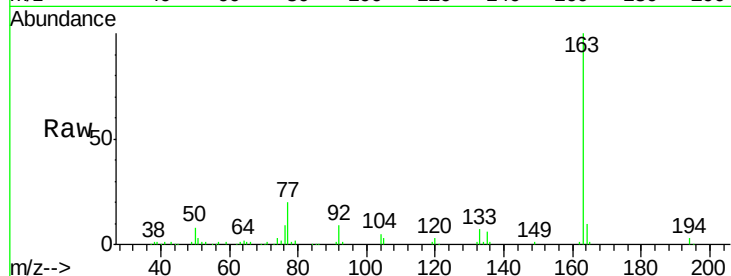




#49
Dimethylphthalate
Concen: 6.27 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

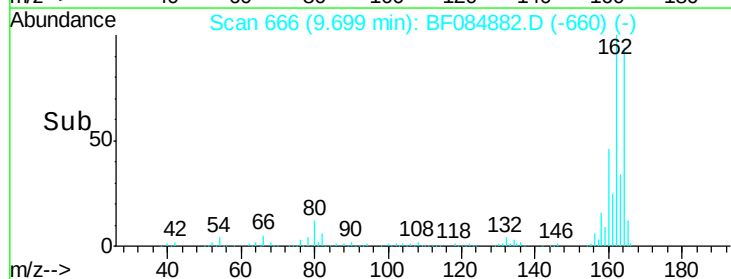
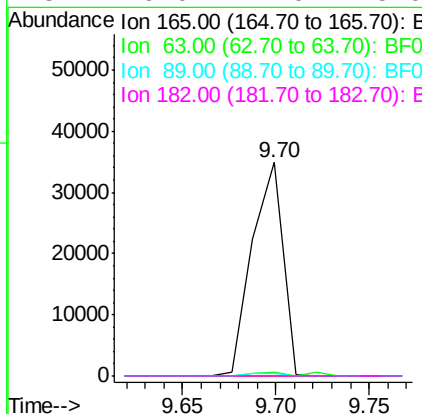
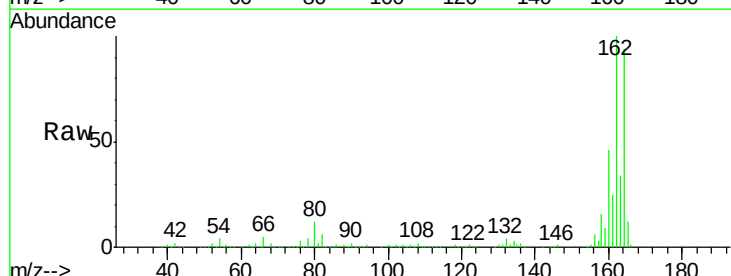
Instrument :
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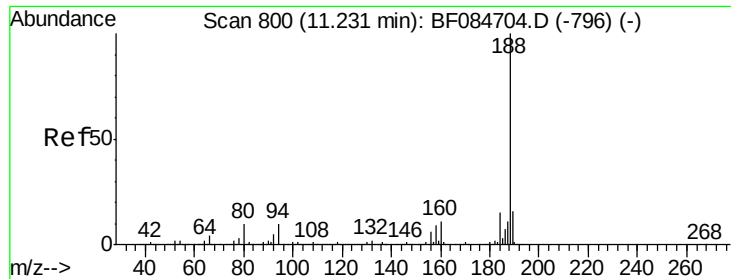
Tgt Ion:163 Resp: 149530
Ion Ratio Lower Upper
163 100
194 3.2 8.0 12.0#
164 10.1 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.23 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

Tgt Ion:165 Resp: 39900
Ion Ratio Lower Upper
165 100
63 2.0 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#

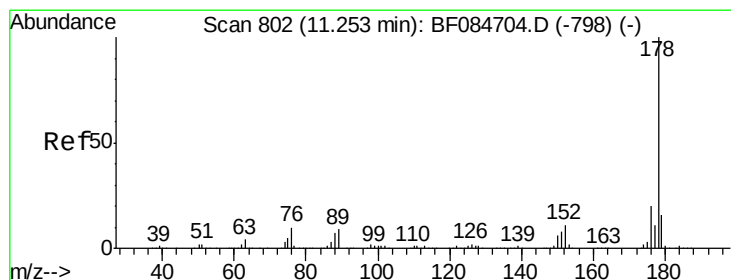
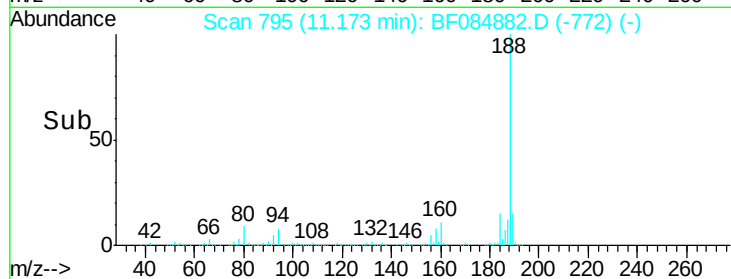
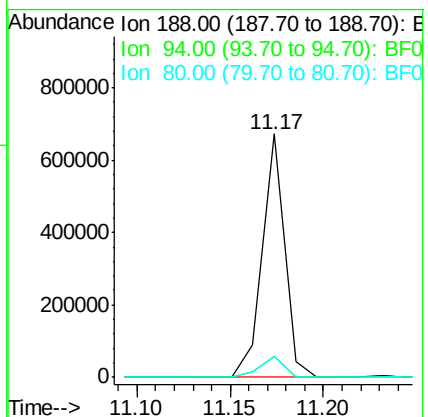
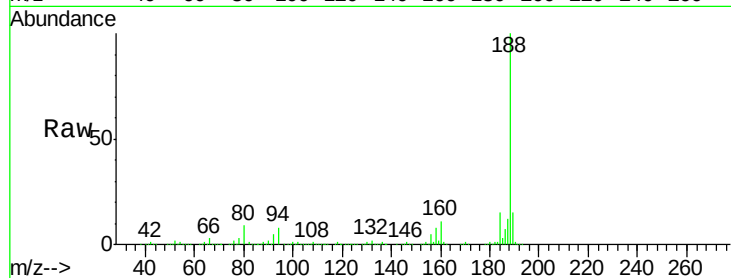




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

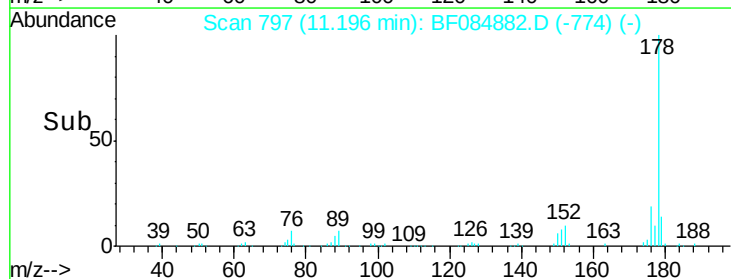
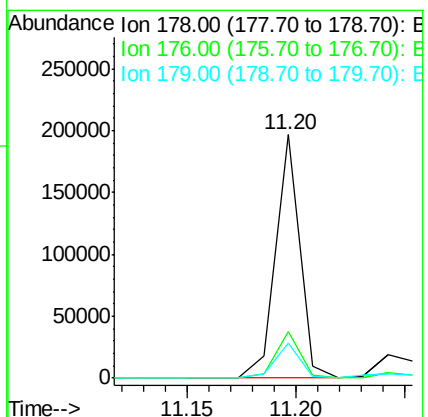
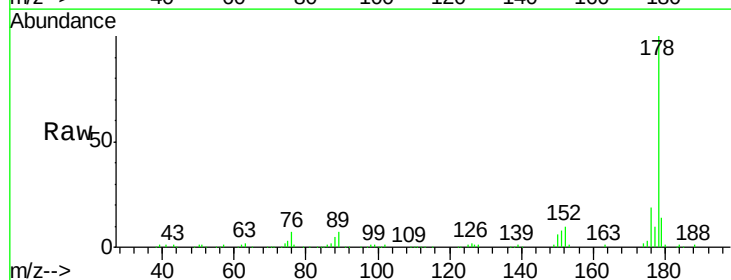
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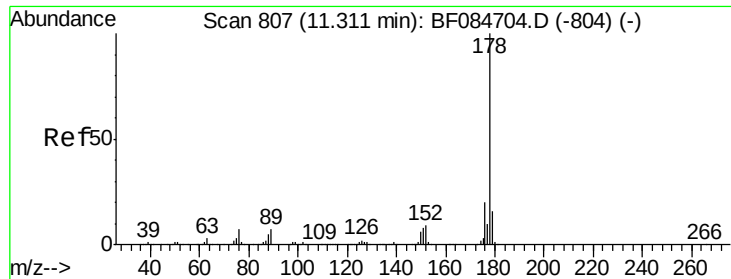
Tgt Ion:188 Resp: 553596
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.7 9.6 14.4#



#70
Phenanthrene
Concen: 5.05 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

Tgt Ion:178 Resp: 154994
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 14.2 12.0 18.0





#71

Anthracene

Concen: 5.01 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.09 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SUP-B018(15-17)

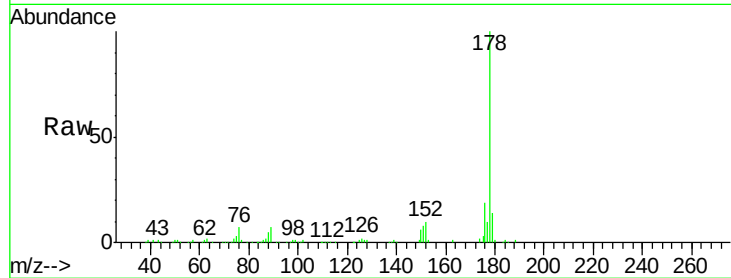
Tgt Ion:178 Resp: 154994

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

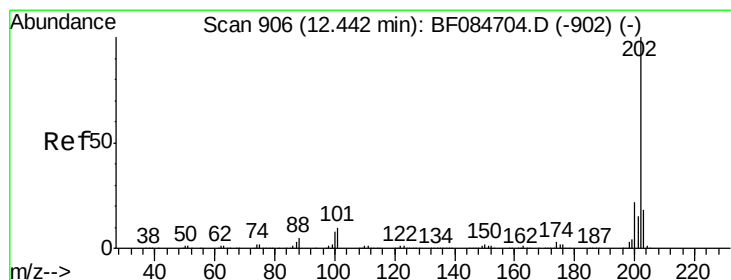
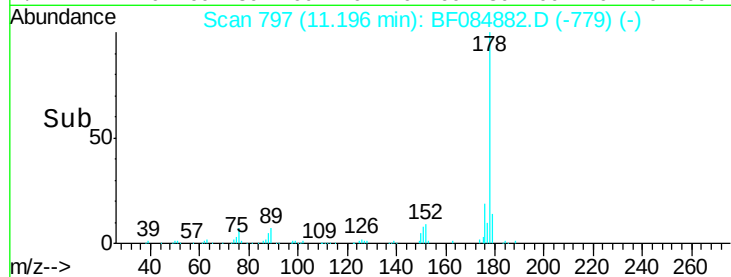
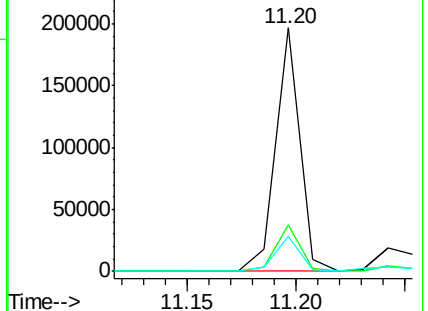
179 14.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.48 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084882.D

Acq: 6 Feb 2016 1:37

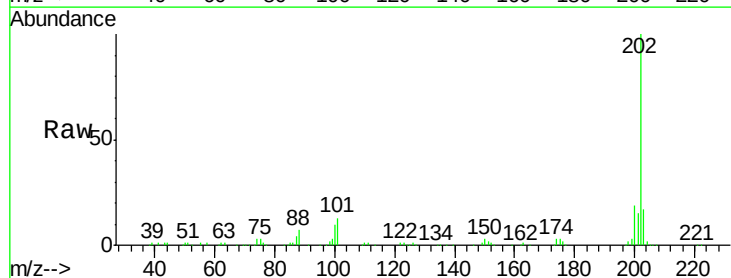
Tgt Ion:202 Resp: 170374

Ion Ratio Lower Upper

202 100

101 13.4 0.0 32.8

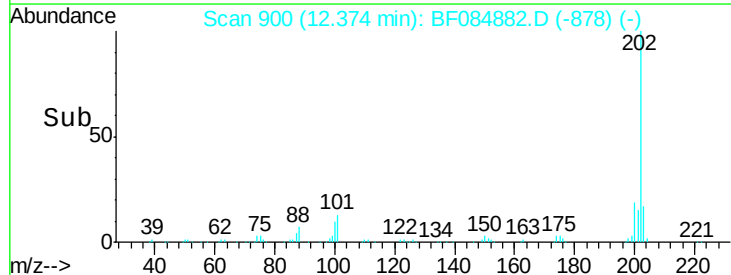
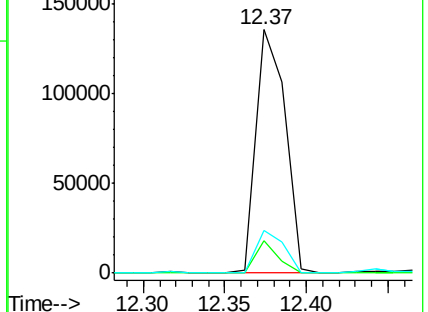
203 17.3 0.0 37.9

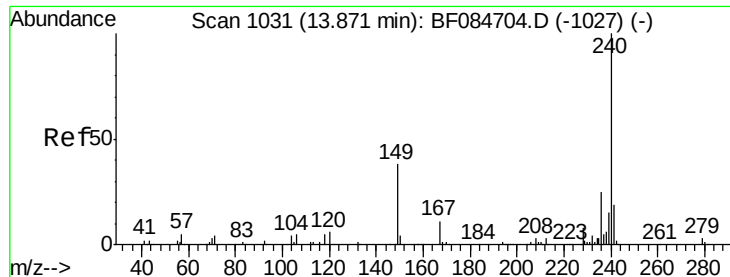


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

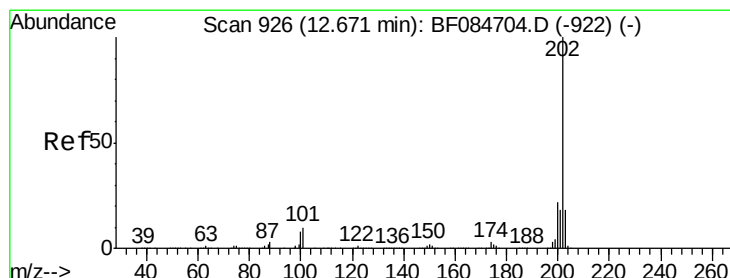
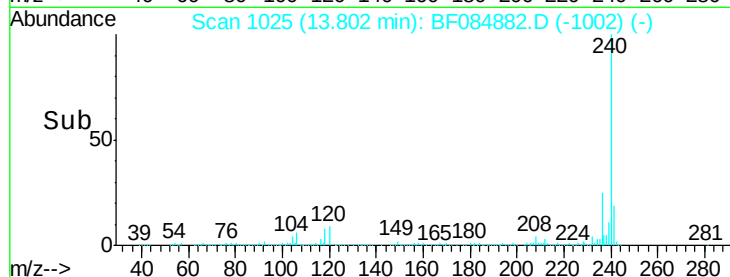
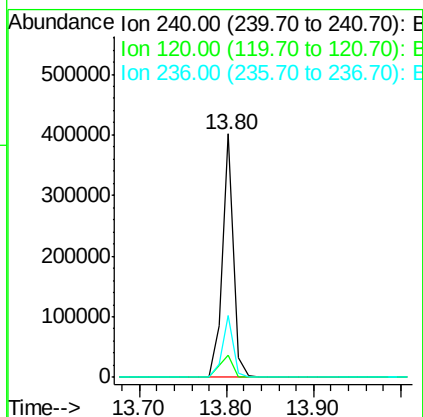
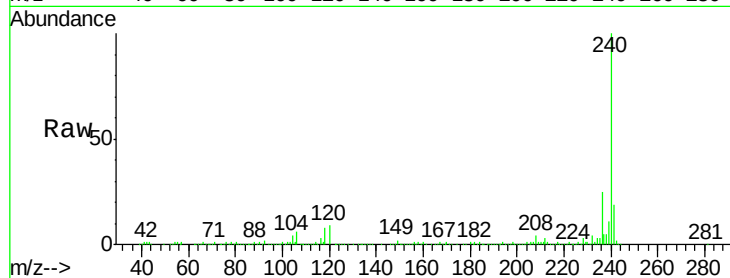




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

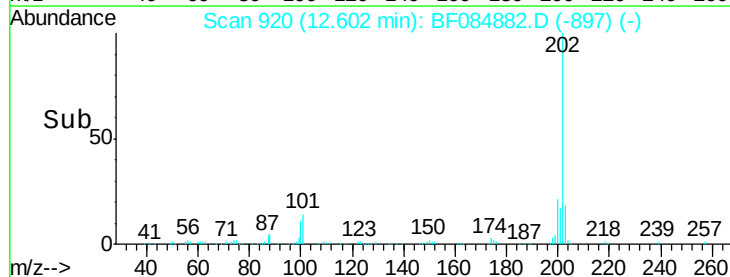
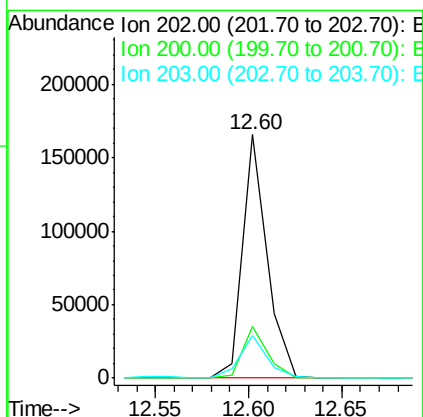
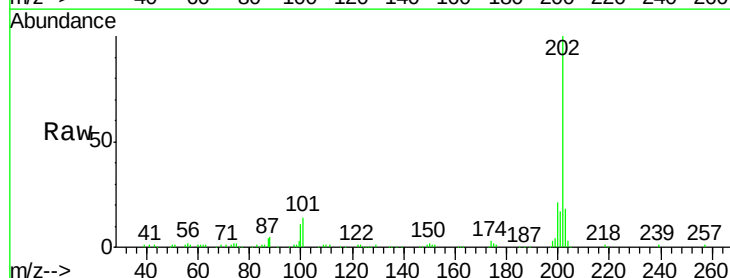
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

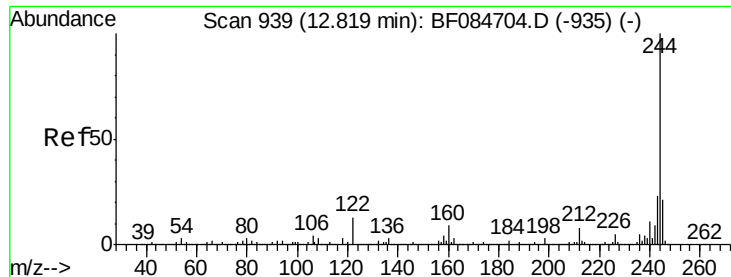
Tgt Ion:240 Resp: 360945
 Ion Ratio Lower Upper
 240 100
 120 9.3 9.5 14.3#
 236 25.5 20.6 31.0



#77
 Pyrene
 Concen: 5.50 ng
 RT: 12.60 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Tgt Ion:202 Resp: 151893
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.2 25.8
 203 17.8 14.3 21.5

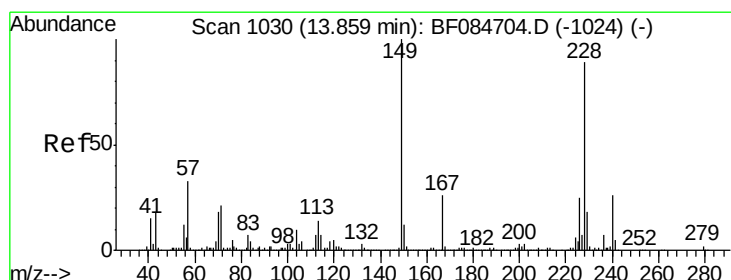
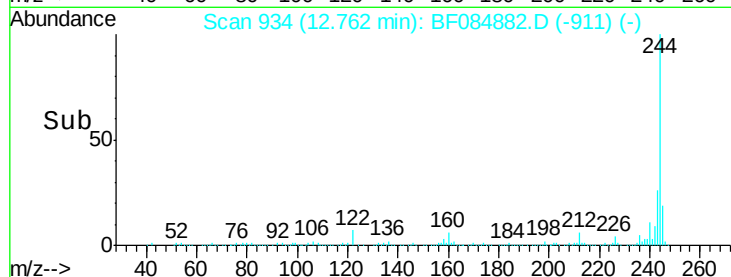
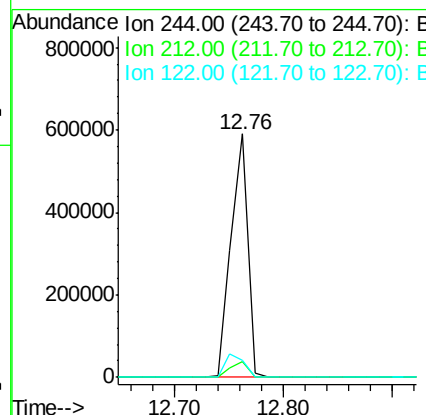
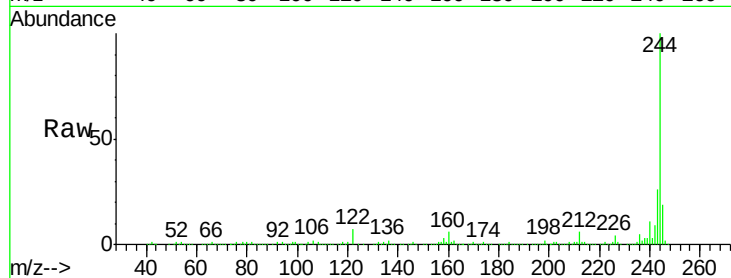




#78
 Terphenyl-d14
 Concen: 39.41 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

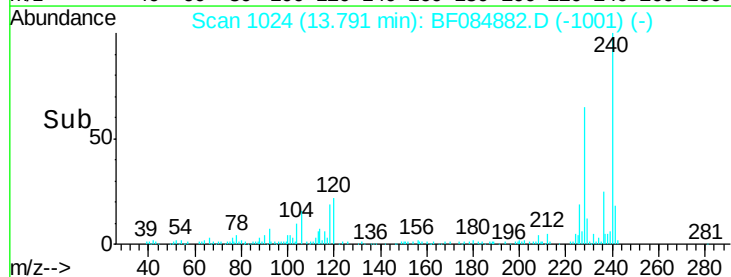
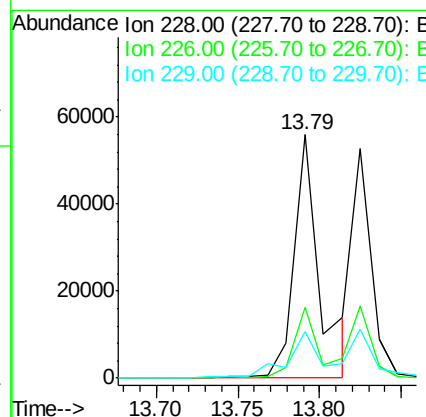
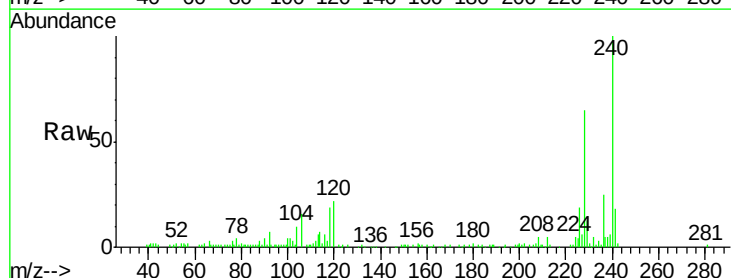
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B018(15-17)

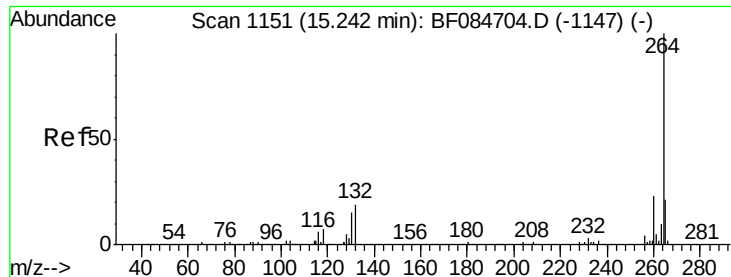
Tgt Ion: 244 Resp: 627755
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 7.1 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 2.74 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BF084882.D
 Acq: 6 Feb 2016 1:37

Tgt Ion: 228 Resp: 61336
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.8 32.6
 229 19.2 15.8 23.8

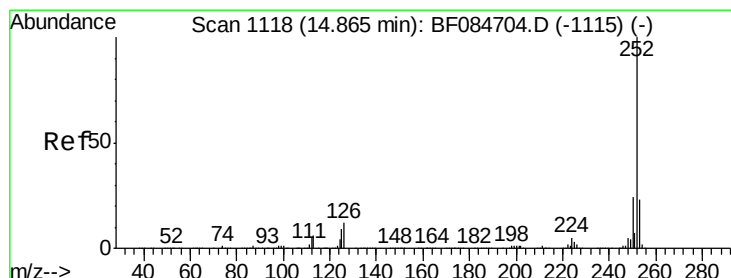
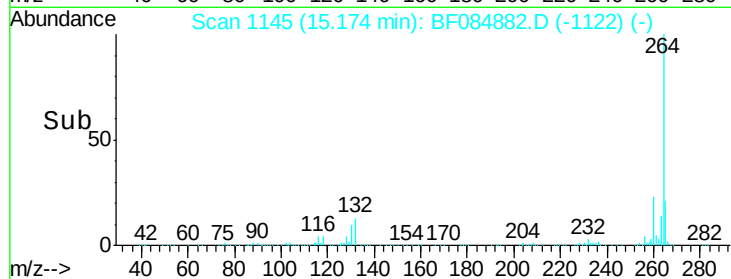
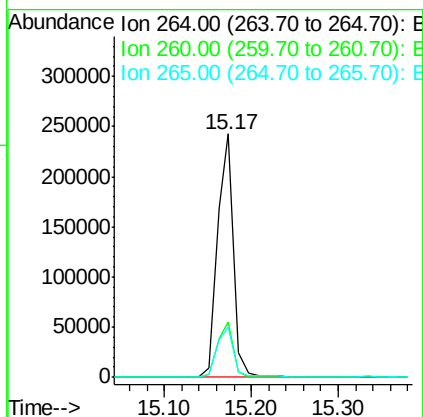
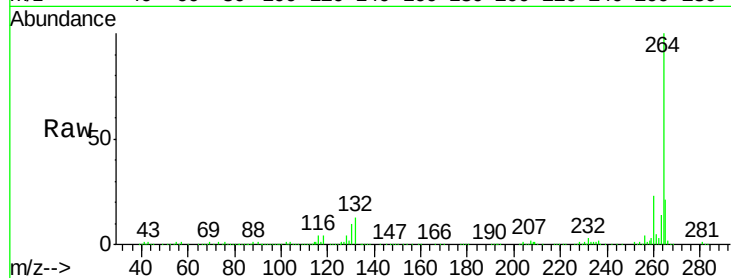




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

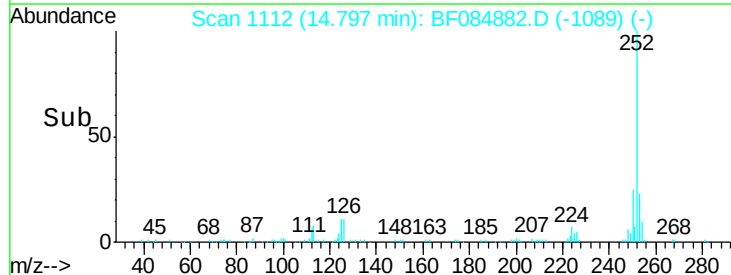
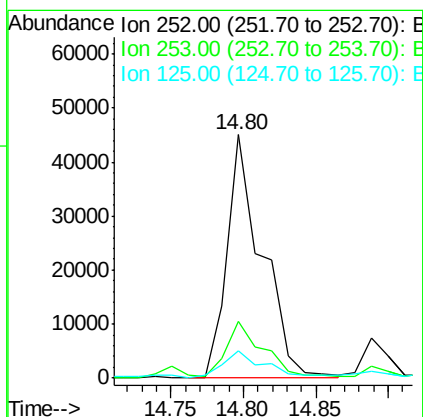
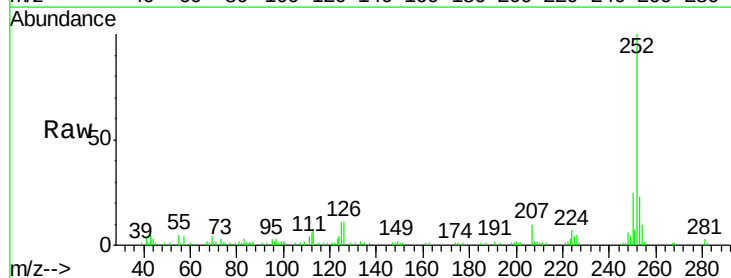
Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

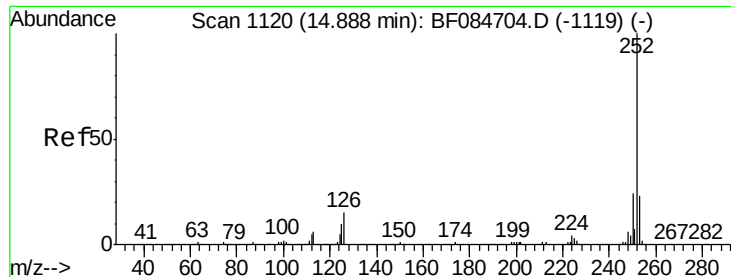
Tgt Ion: 264 Resp: 313252
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.2
265 20.8 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 3.57 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

Tgt Ion: 252 Resp: 75190
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 11.4 6.5 9.7#

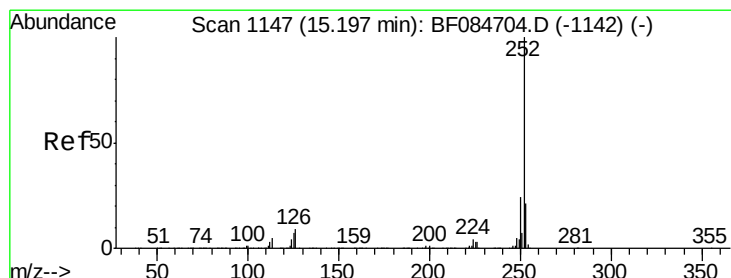
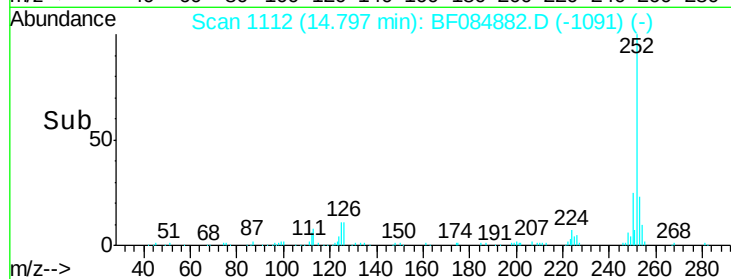
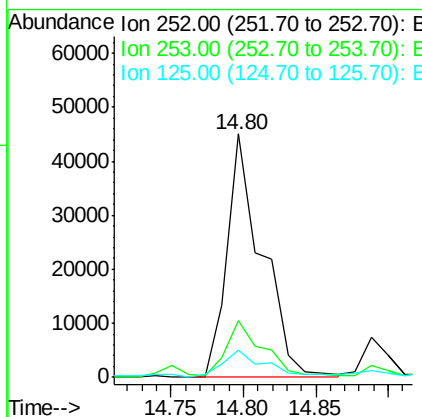
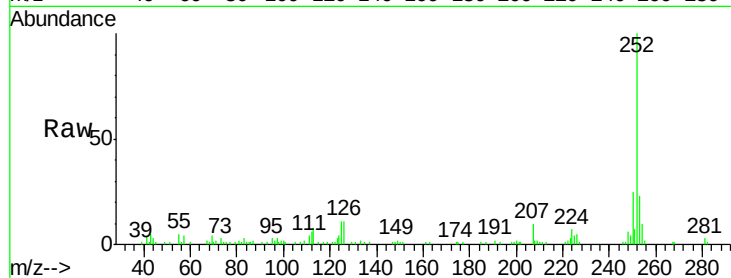




#88
Benzo(k)fluoranthene
Concen: 4.32 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.4	9.0	13.6



#89
Benzo(a)pyrene
Concen: 2.35 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF084882.D
Acq: 6 Feb 2016 1:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	9.5	7.0	10.4

