

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084883.D
 Acq On : 6 Feb 2016 2:05
 Operator : SJ/IZ
 Sample : H1311-11 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

Quant Time: Feb 06 03:40:18 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

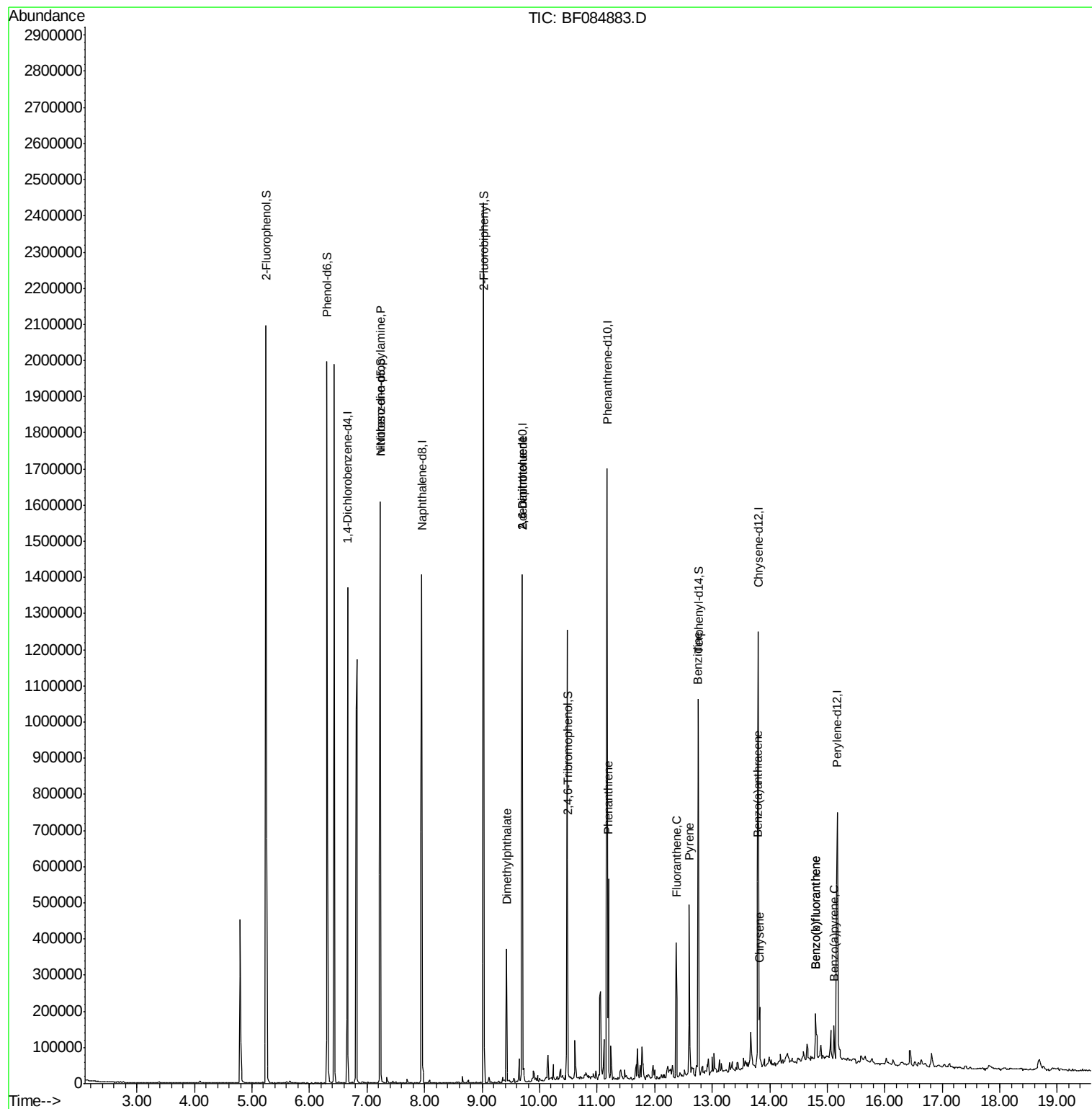
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	182069	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	737587	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	326735	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	577205	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	402596	20.00	ng	-0.03
86) Perylene-d12	15.17	264	335437	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	578500	49.49	ng	-0.03
7) Phenol-d6	6.30	99	684573	47.24	ng	-0.03
23) Nitrobenzene-d5	7.23	82	520482	39.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	167675	49.20	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	658614	27.06	ng	-0.03
78) Terphenyl-d14	12.76	244	470439	26.48	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	68569	7.55	ng	# 75
49) Dimethylphthalate	9.42	163	133171	5.35	ng	# 90
50) 2,6-Dinitrotoluene	9.70	165	41639	7.66	ng	# 38
56) 2,4-Dinitrotoluene	9.70	165	41639	6.01	ng	# 21
70) Phenanthrene	11.20	178	195533	6.11	ng	99
74) Fluoranthene	12.37	202	182651	5.64	ng	99
76) Benzidine	12.75	184	5775	7.16	ng	97
77) Pyrene	12.60	202	182383	5.92	ng	99
80) Benzo(a)anthracene	13.79	228	78541	3.14	ng	98
82) Chrysene	13.83	228	50932	2.10	ng	97
87) Benzo(b)fluoranthene	14.80	252	80612	3.58	ng	# 95
88) Benzo(k)fluoranthene	14.80	252	80612	4.33	ng	99
89) Benzo(a)pyrene	15.12	252	46857	2.44	ng	# 97

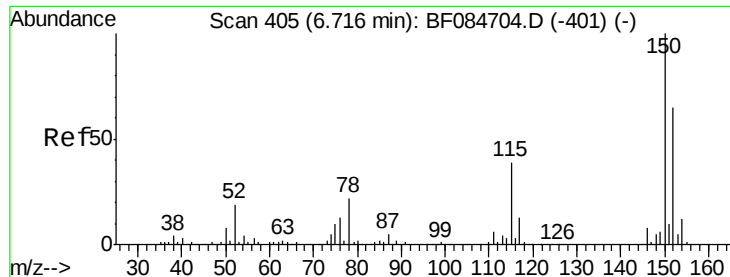
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

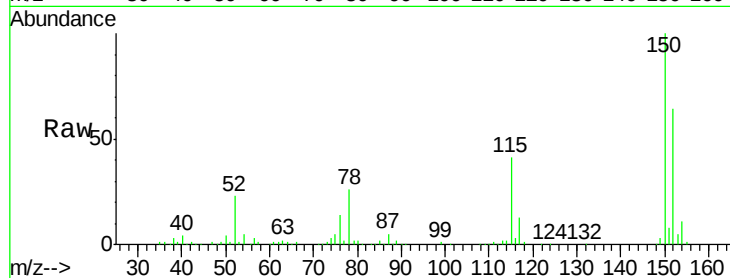
Tgt Ion:152 Resp: 182069

Ion Ratio Lower Upper

152 100

150 157.5 123.0 184.4

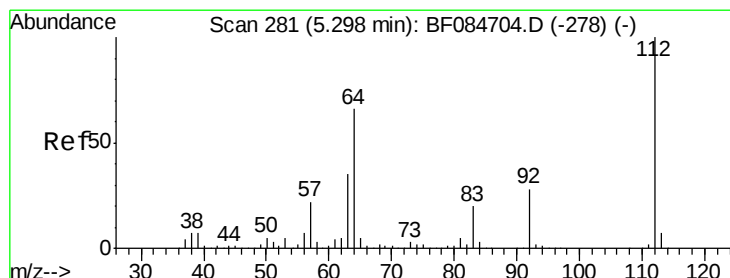
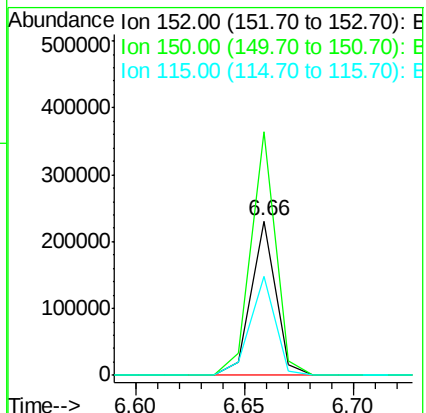
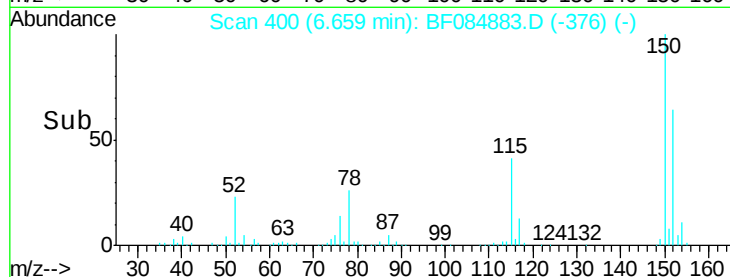
115 63.8 51.4 77.2



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: 49.49 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

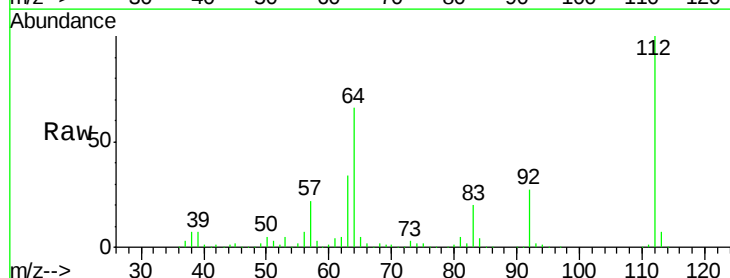
Tgt Ion:112 Resp: 578500

Ion Ratio Lower Upper

112 100

64 66.0 36.6 55.0#

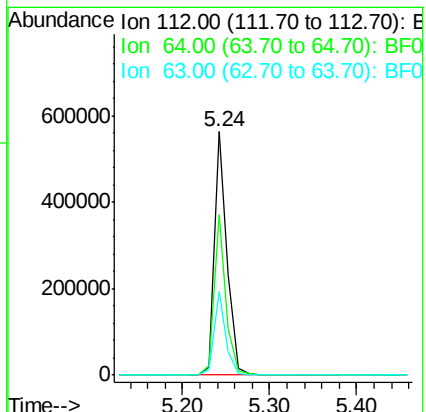
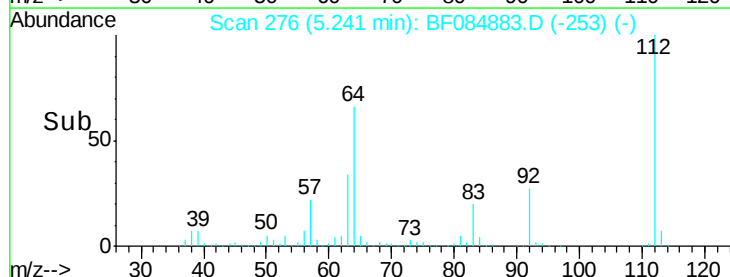
63 34.2 19.4 29.0#



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: 47.24 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

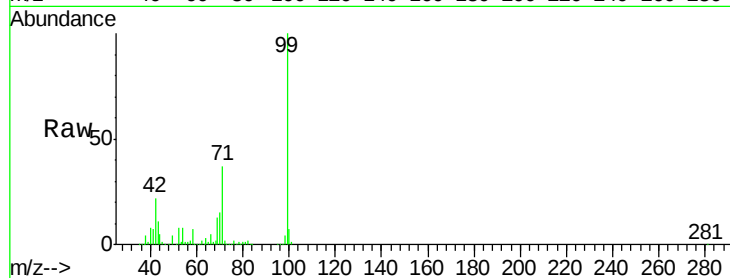
Tgt Ion: 99 Resp: 684573

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

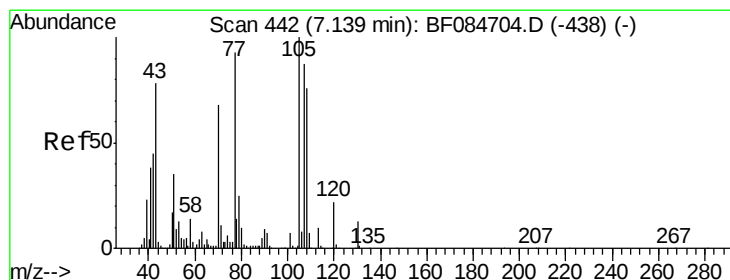
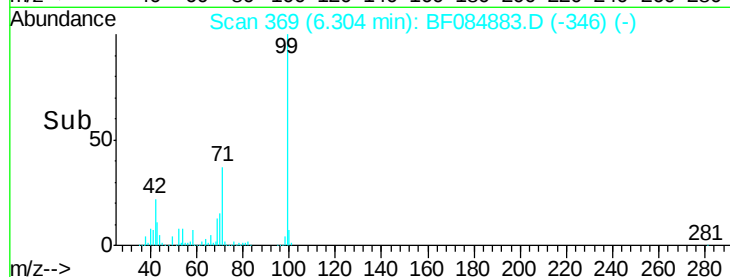
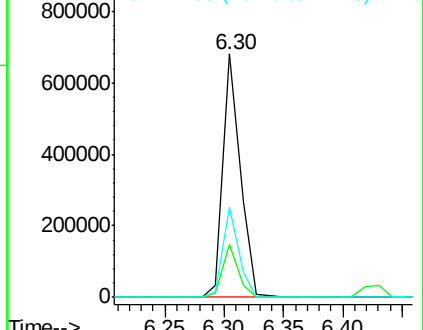
71 37.1 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 7.55 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Tgt Ion: 70 Resp: 68569

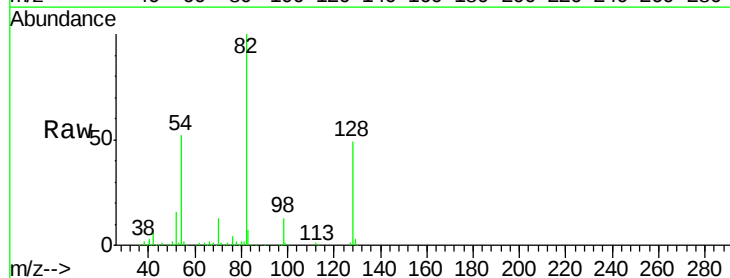
Ion Ratio Lower Upper

70 100

42 45.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.5 23.4 35.0#

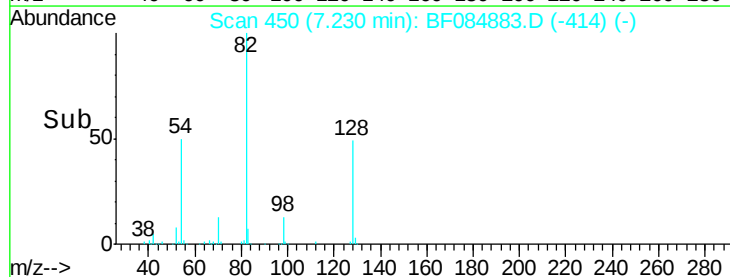
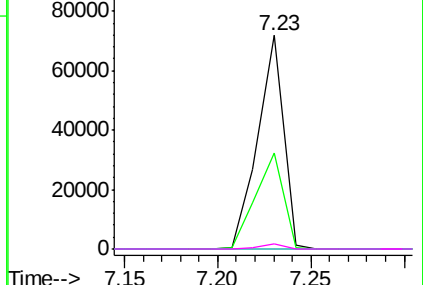


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

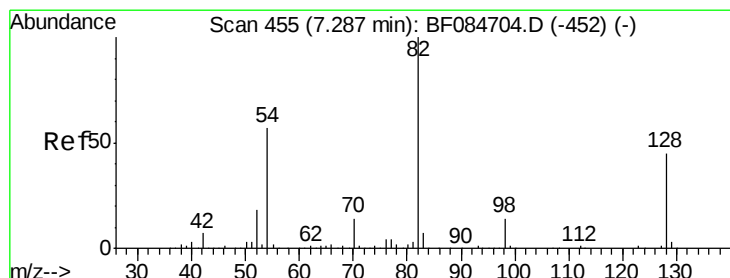
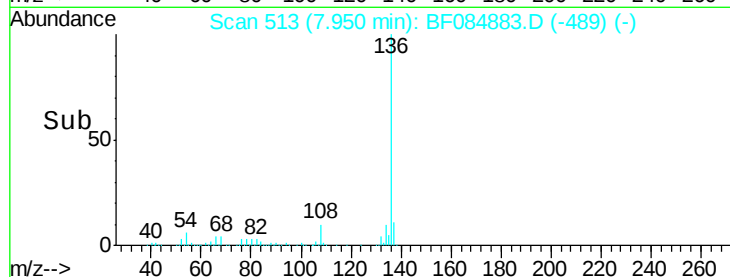
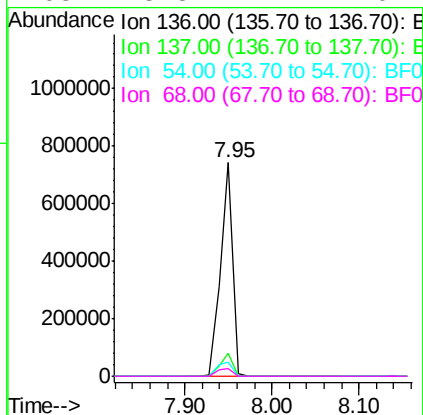
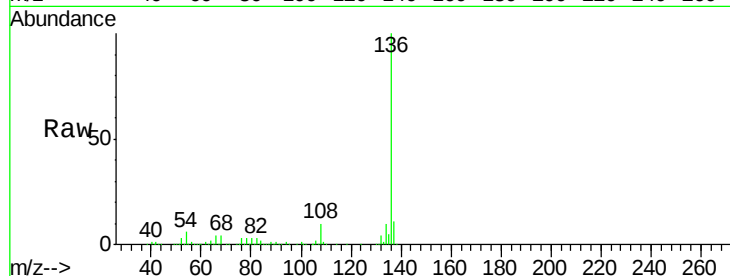




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

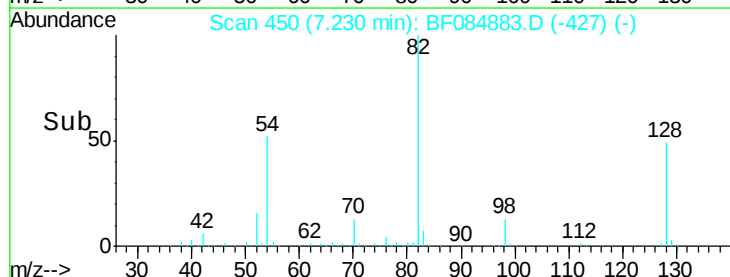
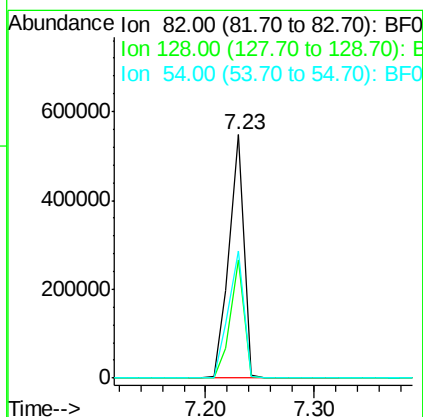
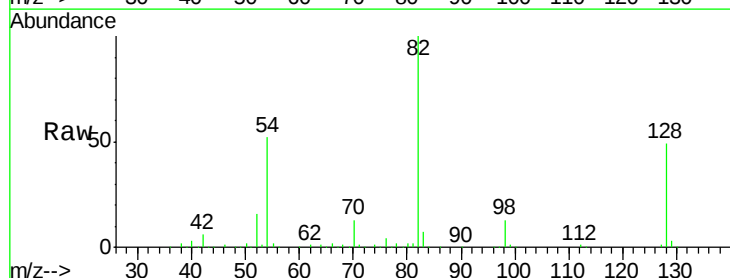
Instrument :
BNA_F
ClientSampleId :
SUP-B006(0-2)

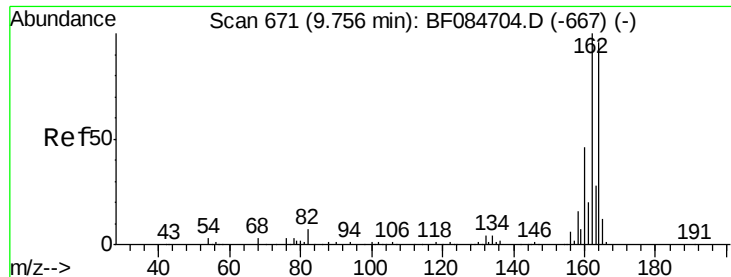
Tgt Ion:	136	Resp:	737587
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.5	5.8	8.8
68	3.8	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 39.75 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Tgt Ion:	82	Resp:	520482
Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.6	51.8
54	52.5	38.4	57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

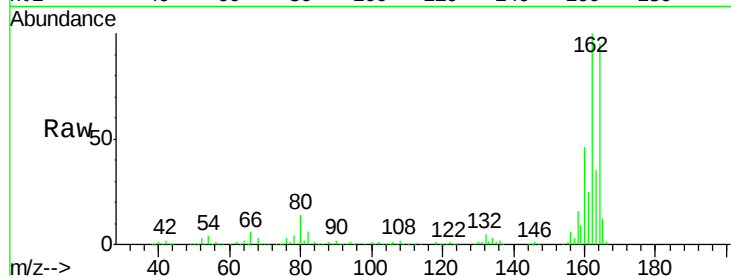
Tgt Ion:164 Resp: 326735

Ion Ratio Lower Upper

164 100

162 105.5 85.1 127.7

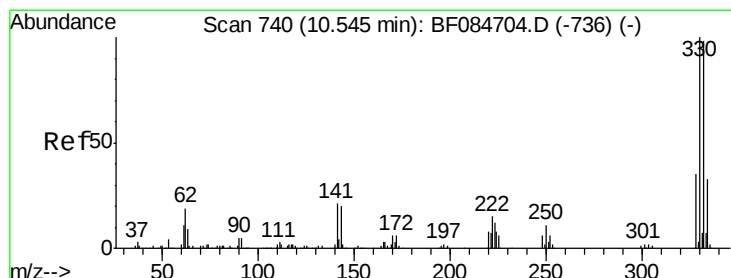
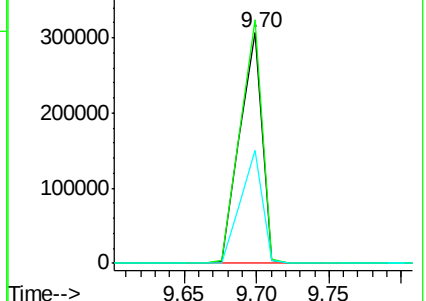
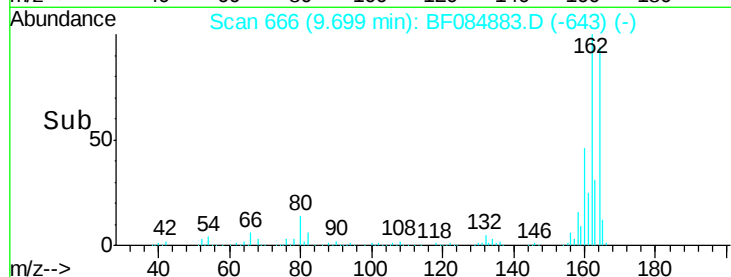
160 48.8 37.5 56.3



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: 49.20 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

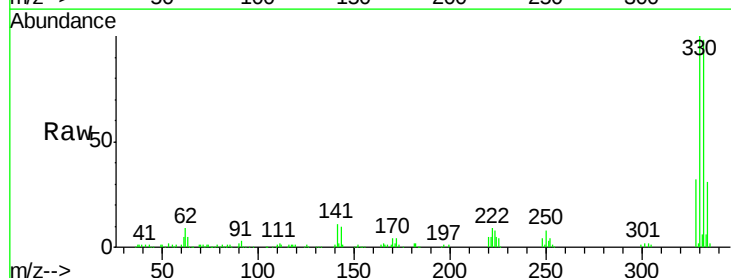
Tgt Ion:330 Resp: 167675

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

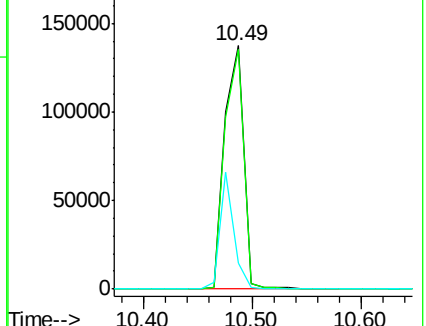
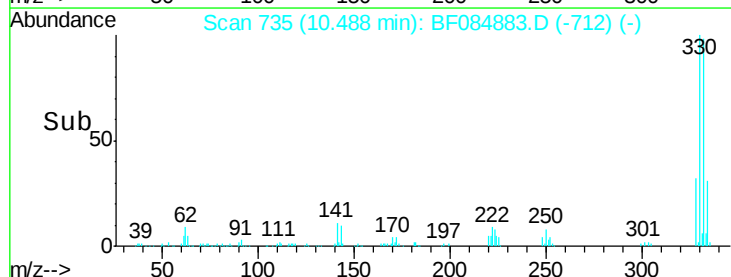
141 35.2 27.8 41.6

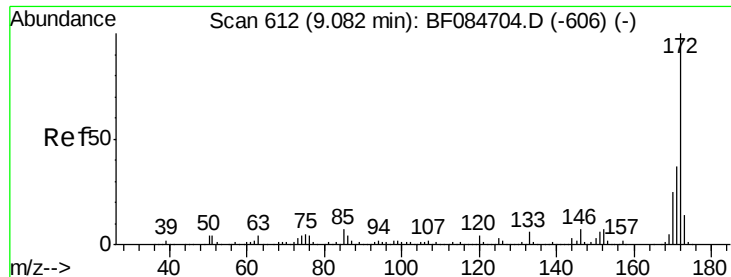


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 27.06 ng

RT: 9.02 min Scan# 607

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

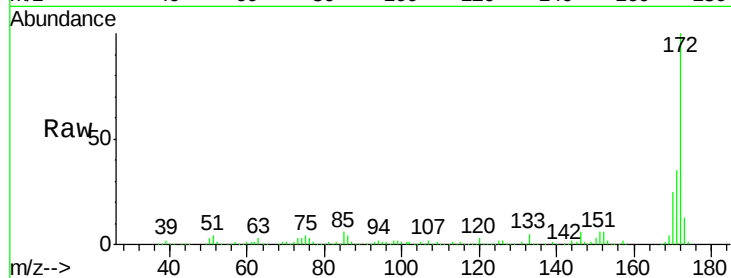
Tgt Ion:172 Resp: 658614

Ion Ratio Lower Upper

172 100

171 35.4 28.9 43.3

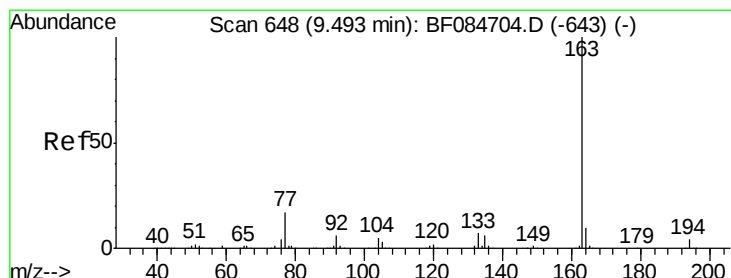
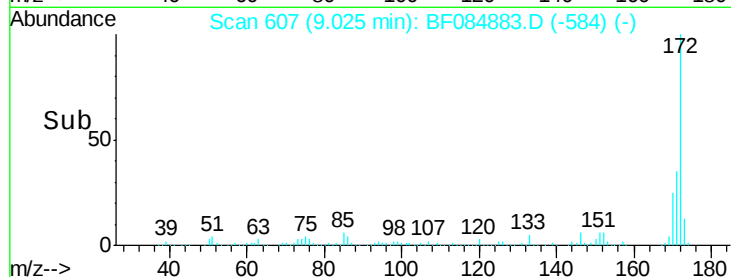
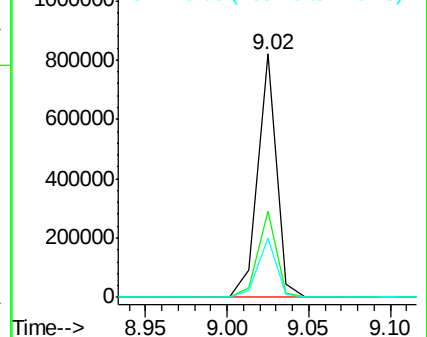
170 24.6 18.6 27.8



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: 5.35 ng

RT: 9.42 min Scan# 642

Delta R.T. -0.05 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

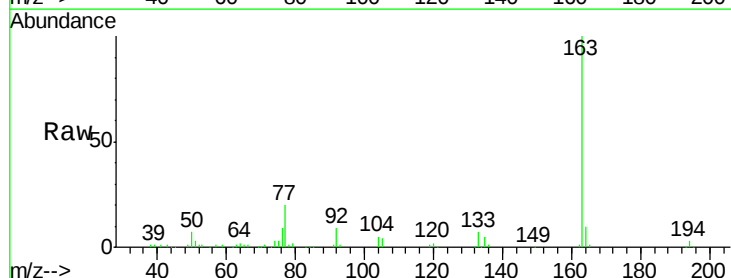
Tgt Ion:163 Resp: 133171

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

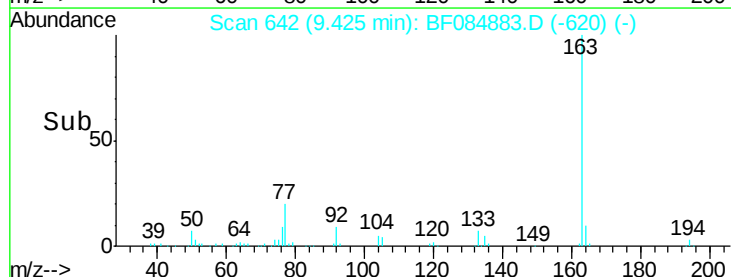
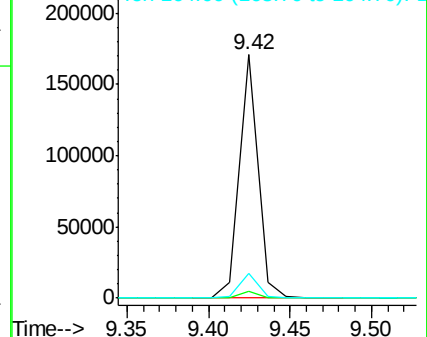
164 10.3 8.0 12.0

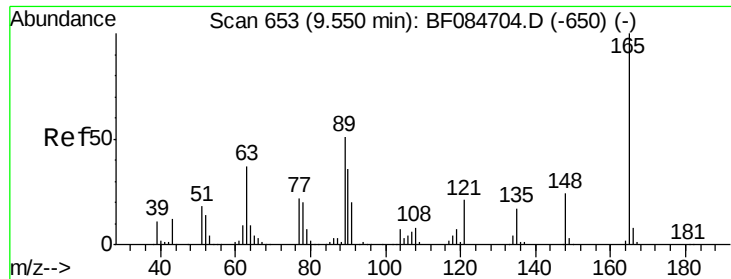


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

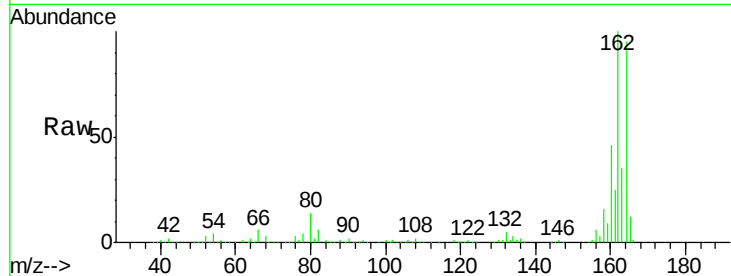




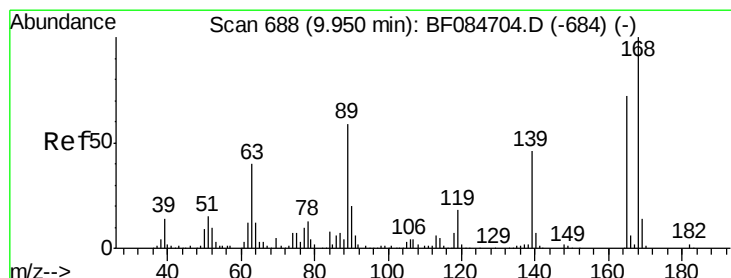
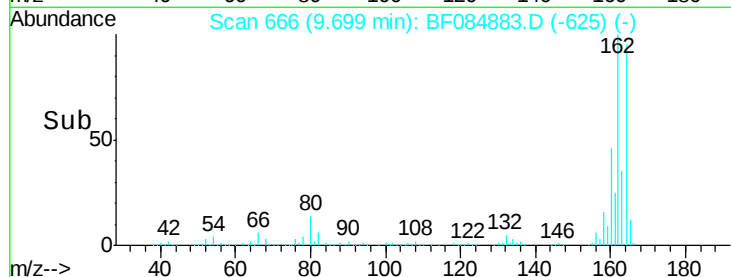
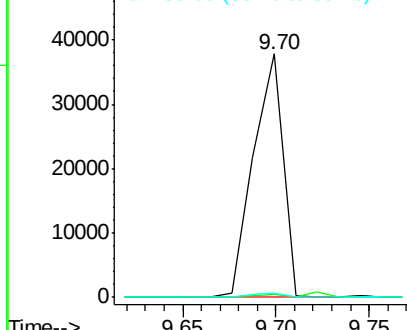
#50
 2,6-Dinitrotoluene
 Concen: 7.66 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084883.D
 Acq: 6 Feb 2016 2:05

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B006(0-2)

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



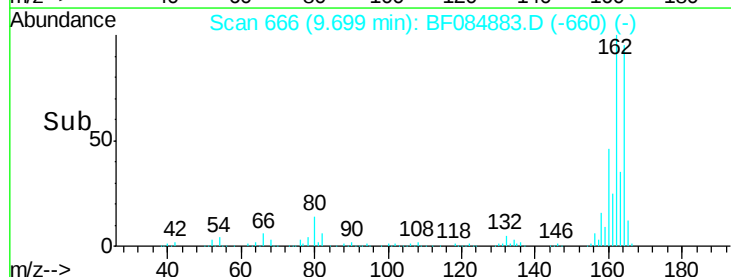
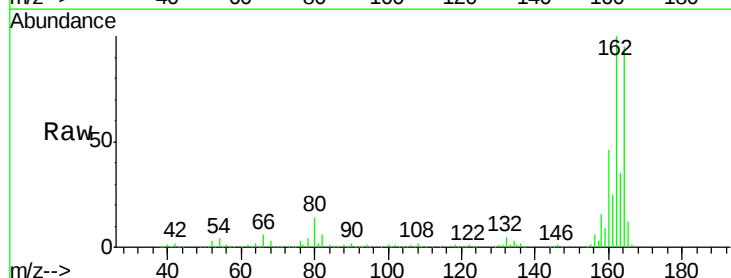
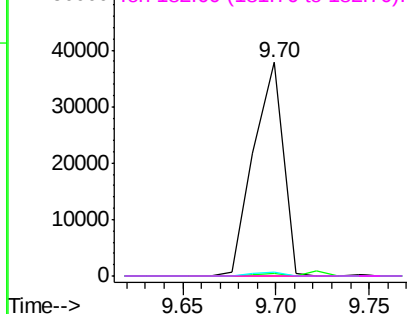
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

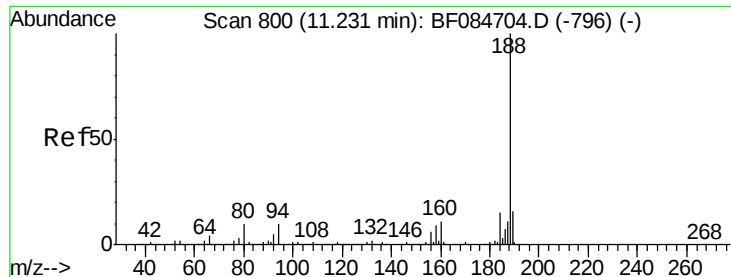


#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084883.D
 Acq: 6 Feb 2016 2:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.9	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

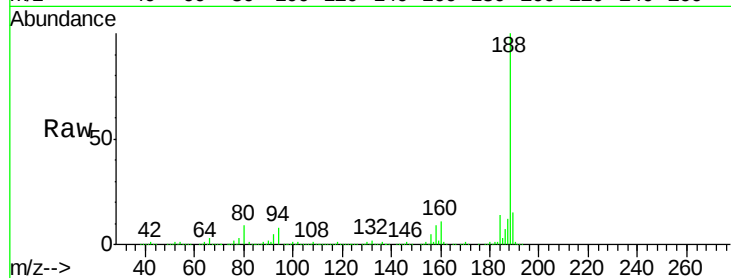




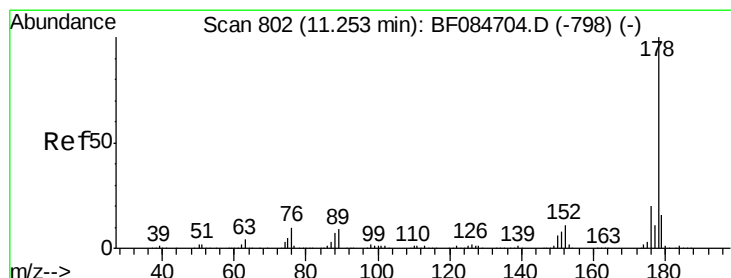
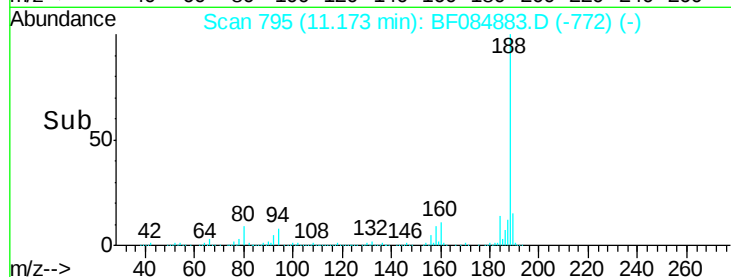
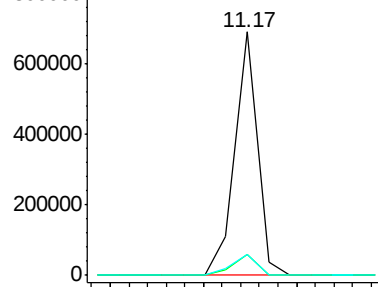
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Instrument :
BNA_F
ClientSampleId :
SUP-B006(0-2)

Tgt Ion:188 Resp: 577205
Ion Ratio Lower Upper
188 100
94 8.3 9.0 13.4#
80 8.6 9.6 14.4#

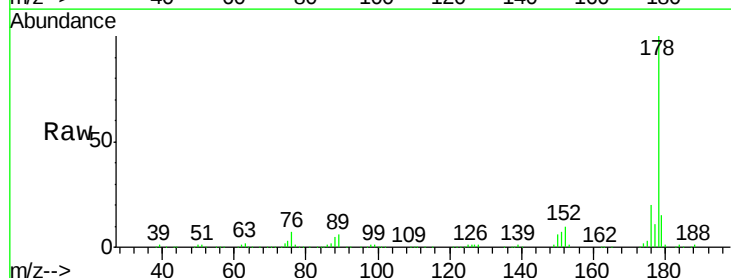


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

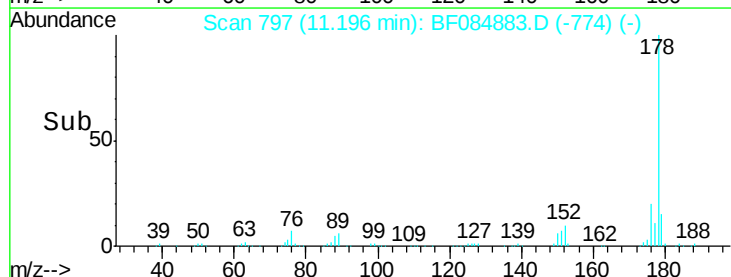
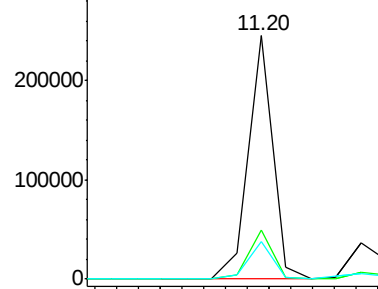


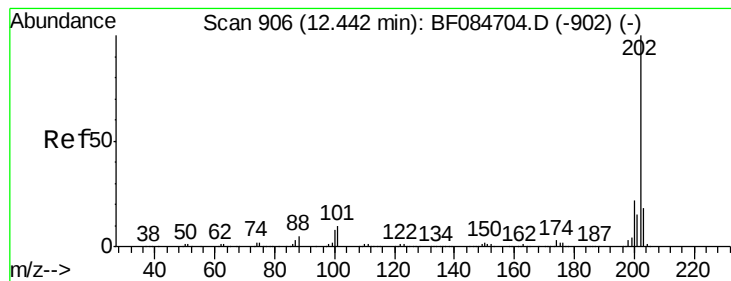
#70
Phenanthrene
Concen: 6.11 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Tgt Ion:178 Resp: 195533
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 15.4 12.0 18.0



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: 5.64 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

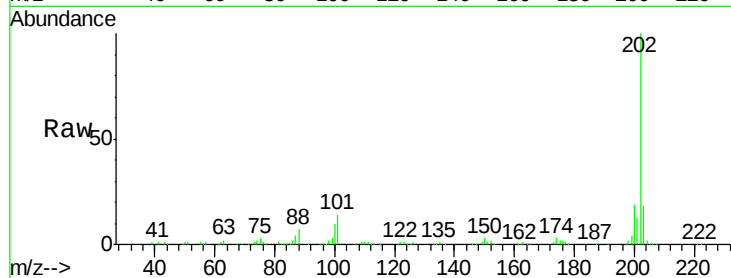
Tgt Ion: 202 Resp: 182651

Ion Ratio Lower Upper

202 100

101 14.0 0.0 32.8

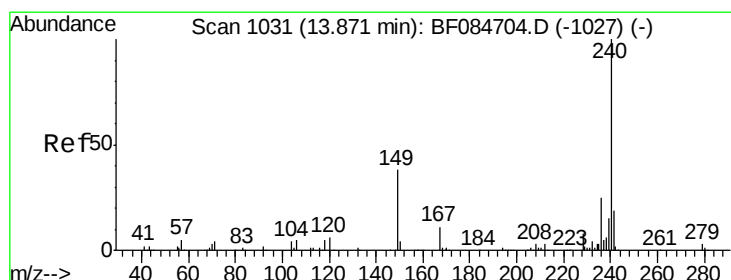
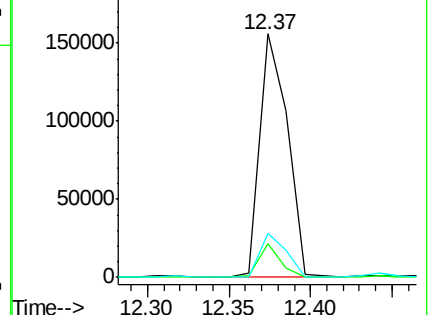
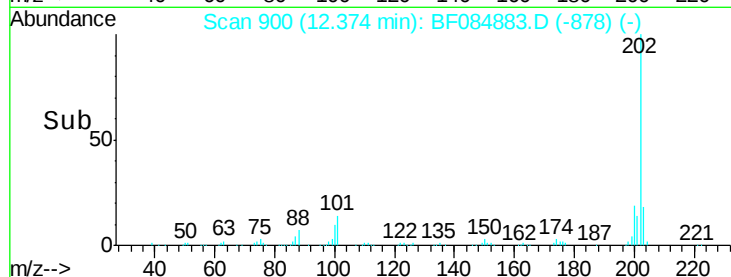
203 17.9 0.0 37.9



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: BF084883.D

Acq: 6 Feb 2016 2:05

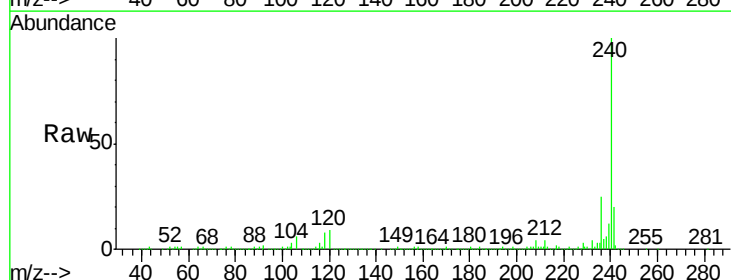
Tgt Ion: 240 Resp: 402596

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

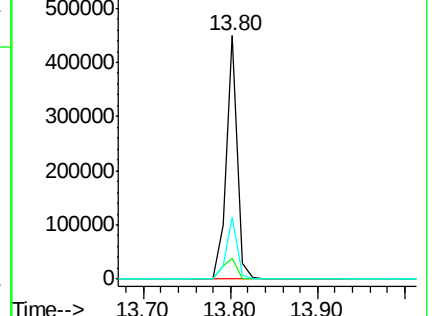
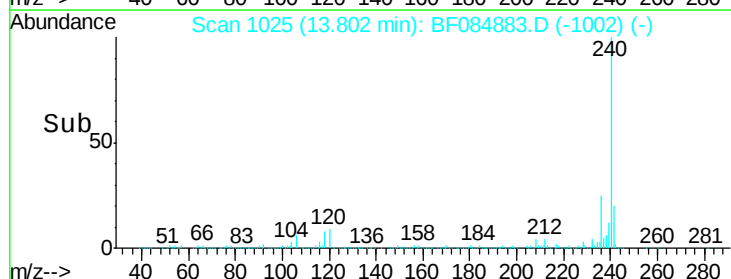
236 25.5 20.6 31.0

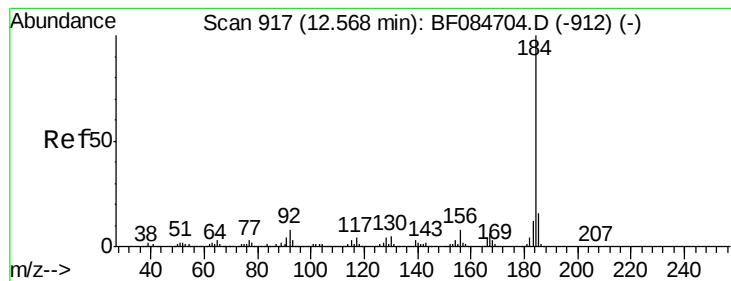


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.16 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.21 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

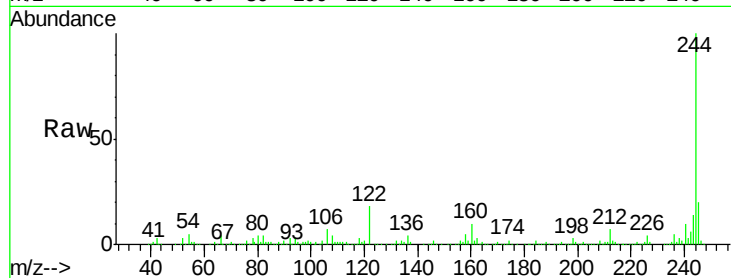
Tgt Ion:184 Resp: 5775

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

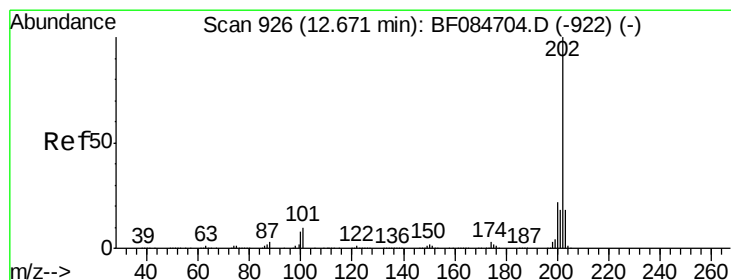
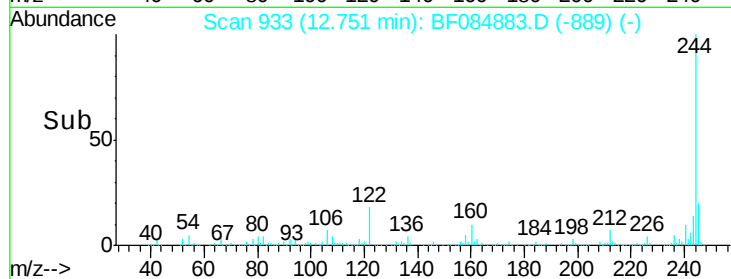
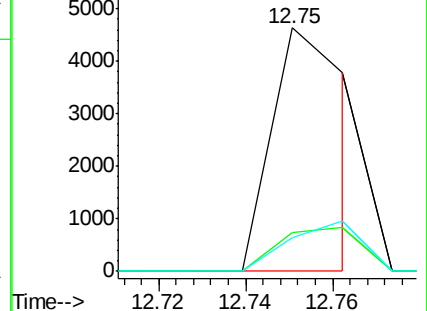
183 13.8 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 5.92 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

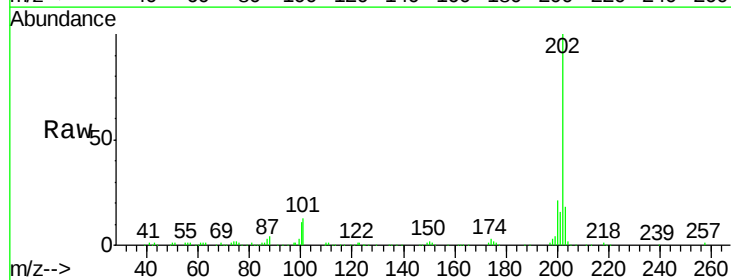
Tgt Ion:202 Resp: 182383

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

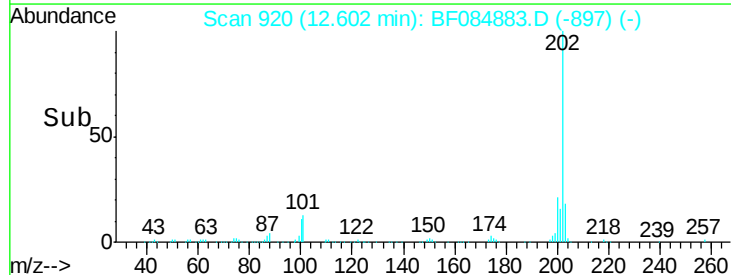
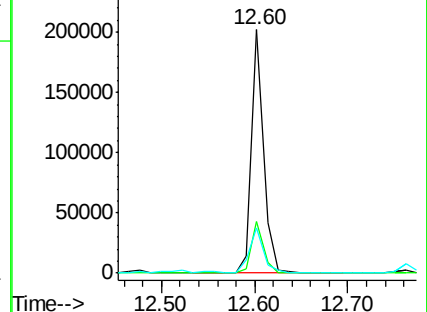
203 18.3 14.3 21.5

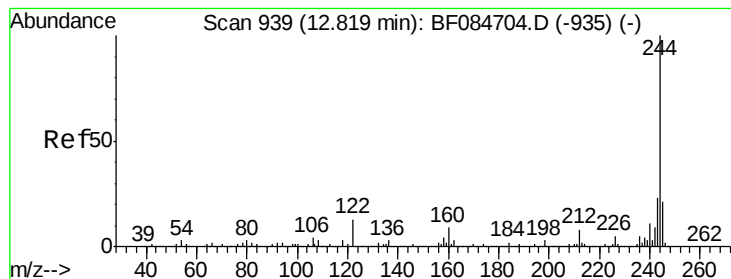


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.48 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)

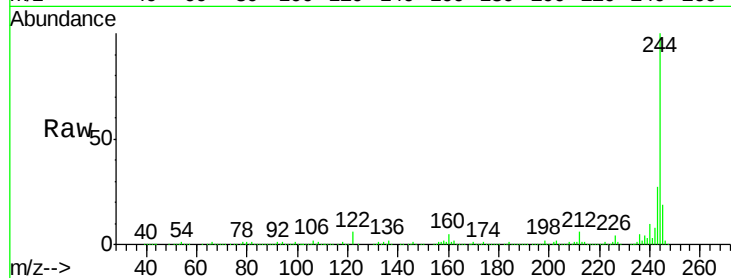
Tgt Ion:244 Resp: 470439

Ion Ratio Lower Upper

244 100

212 5.9 5.7 8.5

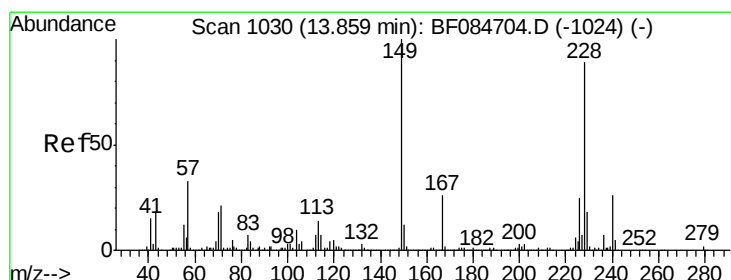
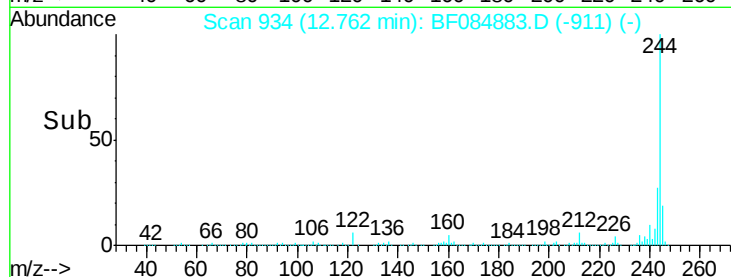
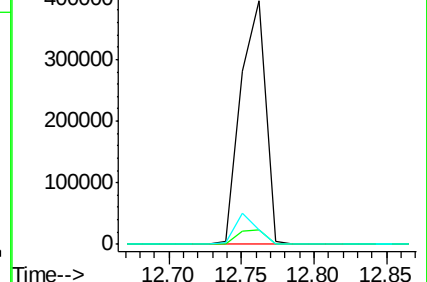
122 5.8 7.4 11.0#



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



#80

Benzo(a)anthracene

Concen: 3.14 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF084883.D

Acq: 6 Feb 2016 2:05

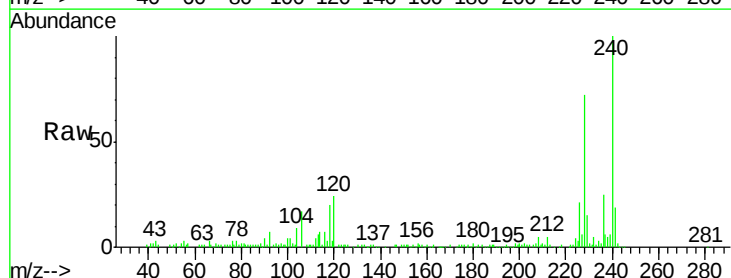
Tgt Ion:228 Resp: 78541

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.6

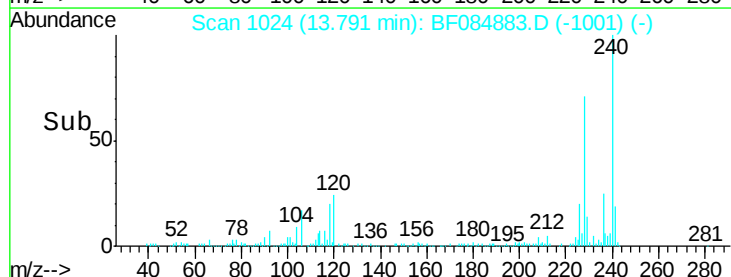
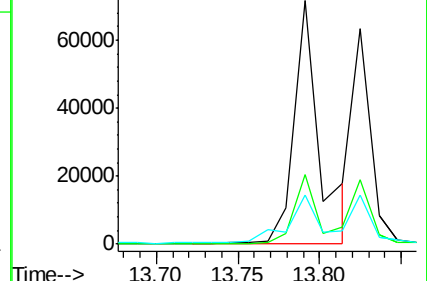
229 20.2 15.8 23.8

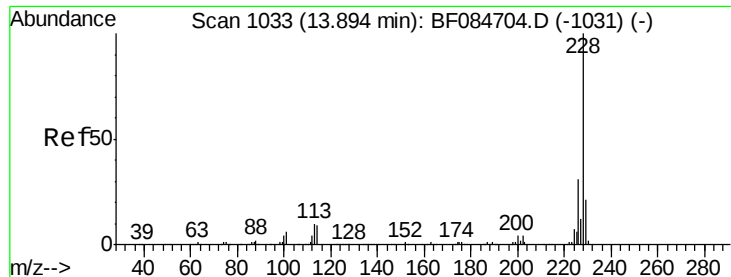


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

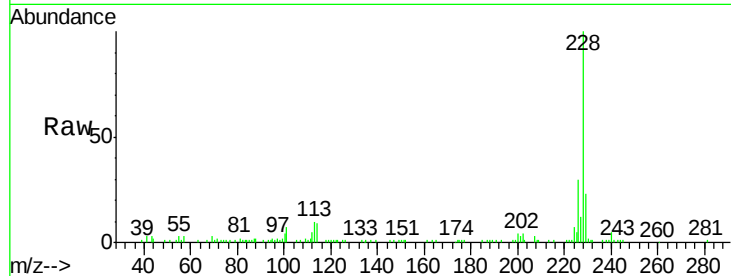




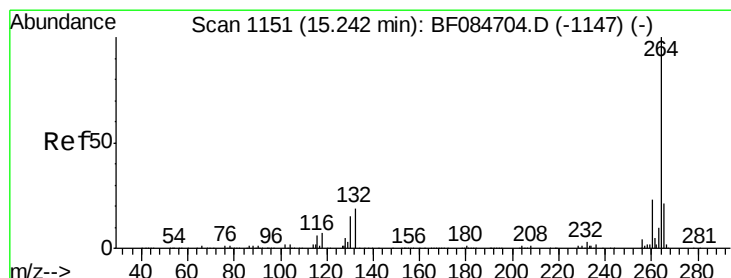
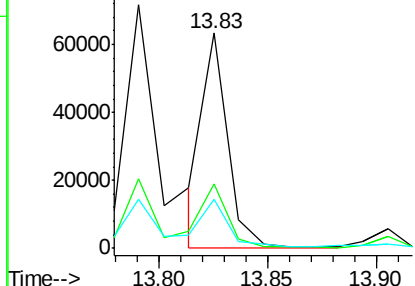
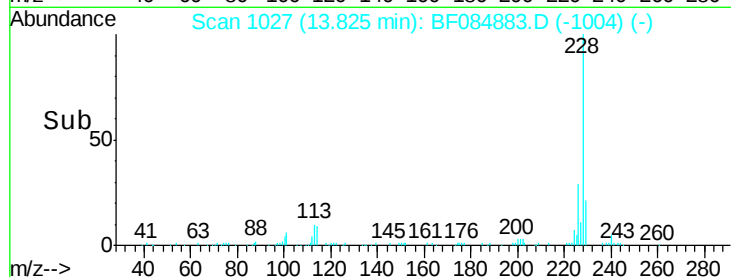
#82
Chrysene
Concen: 2.10 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Instrument :
BNA_F
ClientSampleId :
SUP-B006(0-2)

Tgt Ion:228 Resp: 50932
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 22.5 16.1 24.1

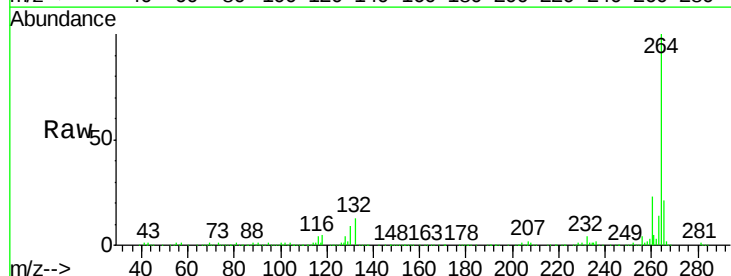


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

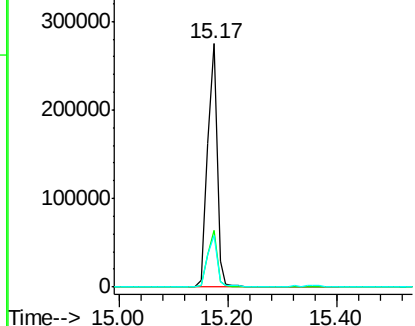
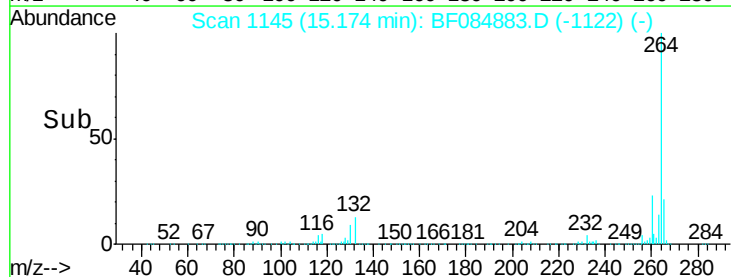


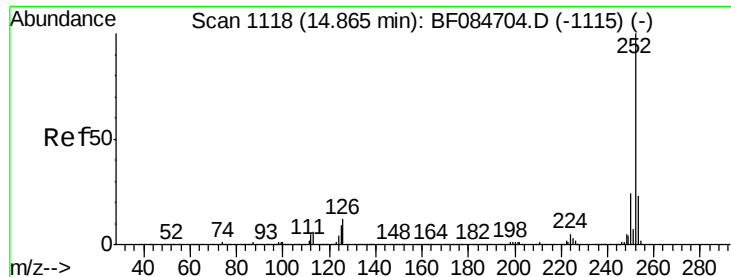
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Tgt Ion:264 Resp: 335437
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 21.4 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

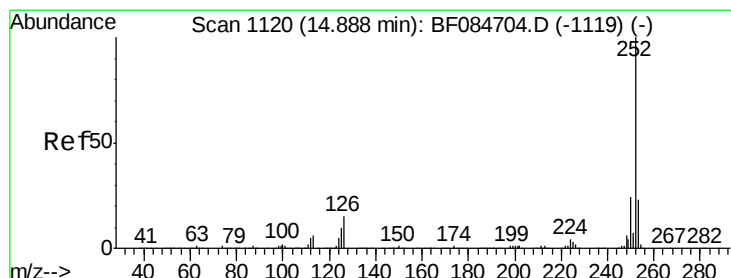
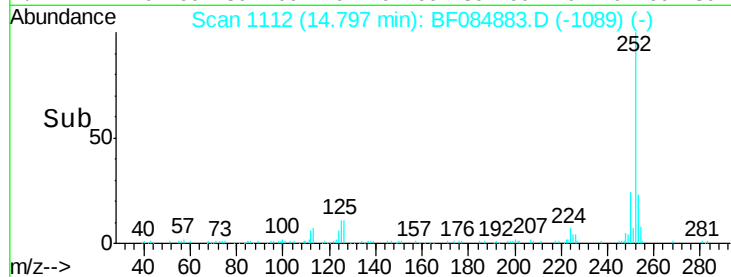
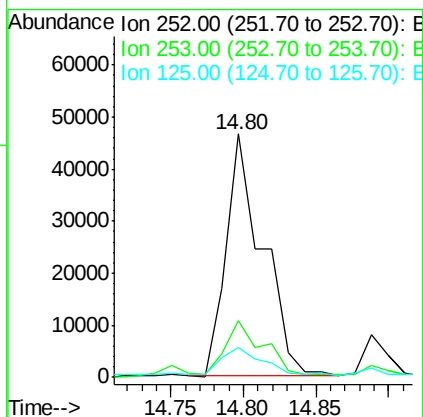
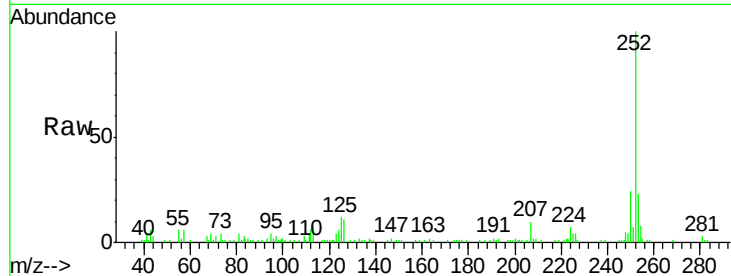




#87
Benzo(b)fluoranthene
Concen: 3.58 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

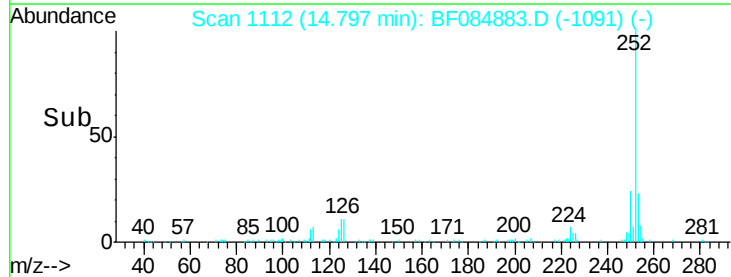
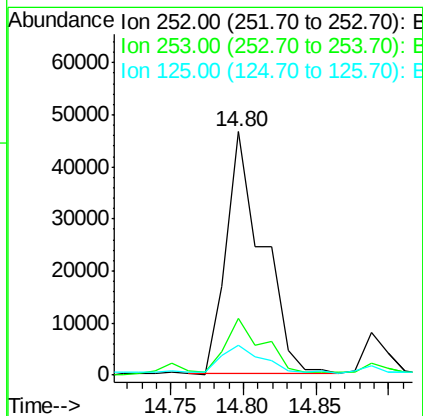
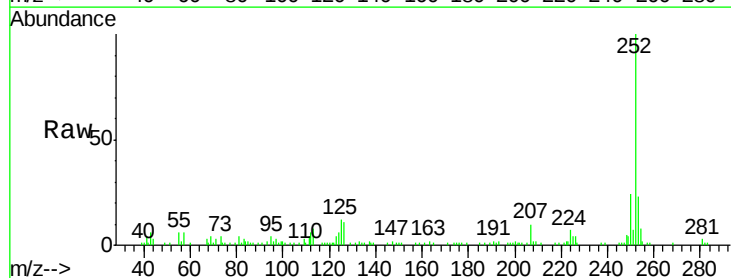
Instrument :
BNA_F
ClientSampleId :
SUP-B006(0-2)

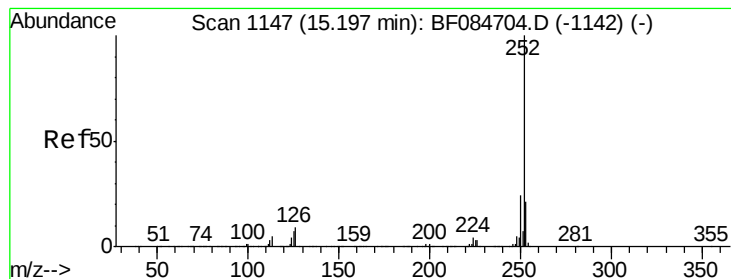
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	12.1	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 4.33 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084883.D
Acq: 6 Feb 2016 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.1	9.0	13.6





#89

Benzo(a)pyrene

Concen: 2.44 ng

RT: 15.12 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF084883.D

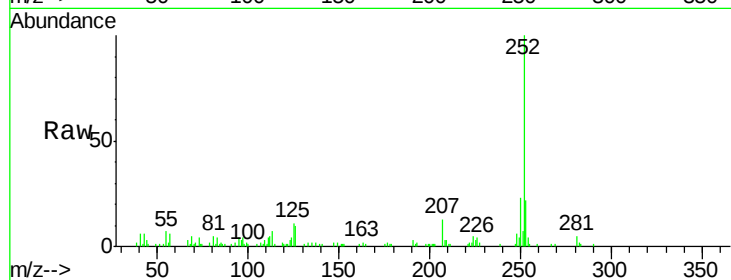
Acq: 6 Feb 2016 2:05

Instrument :

BNA_F

ClientSampleId :

SUP-B006(0-2)



Tgt Ion:	252	Resp:	46857
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	10.6	7.0	10.4#

