

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081483.D
 Acq On : 6 Sep 2015 1:03
 Operator : UM/IZ
 Sample : G3555-09
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Quant Time: Sep 07 01:32:45 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

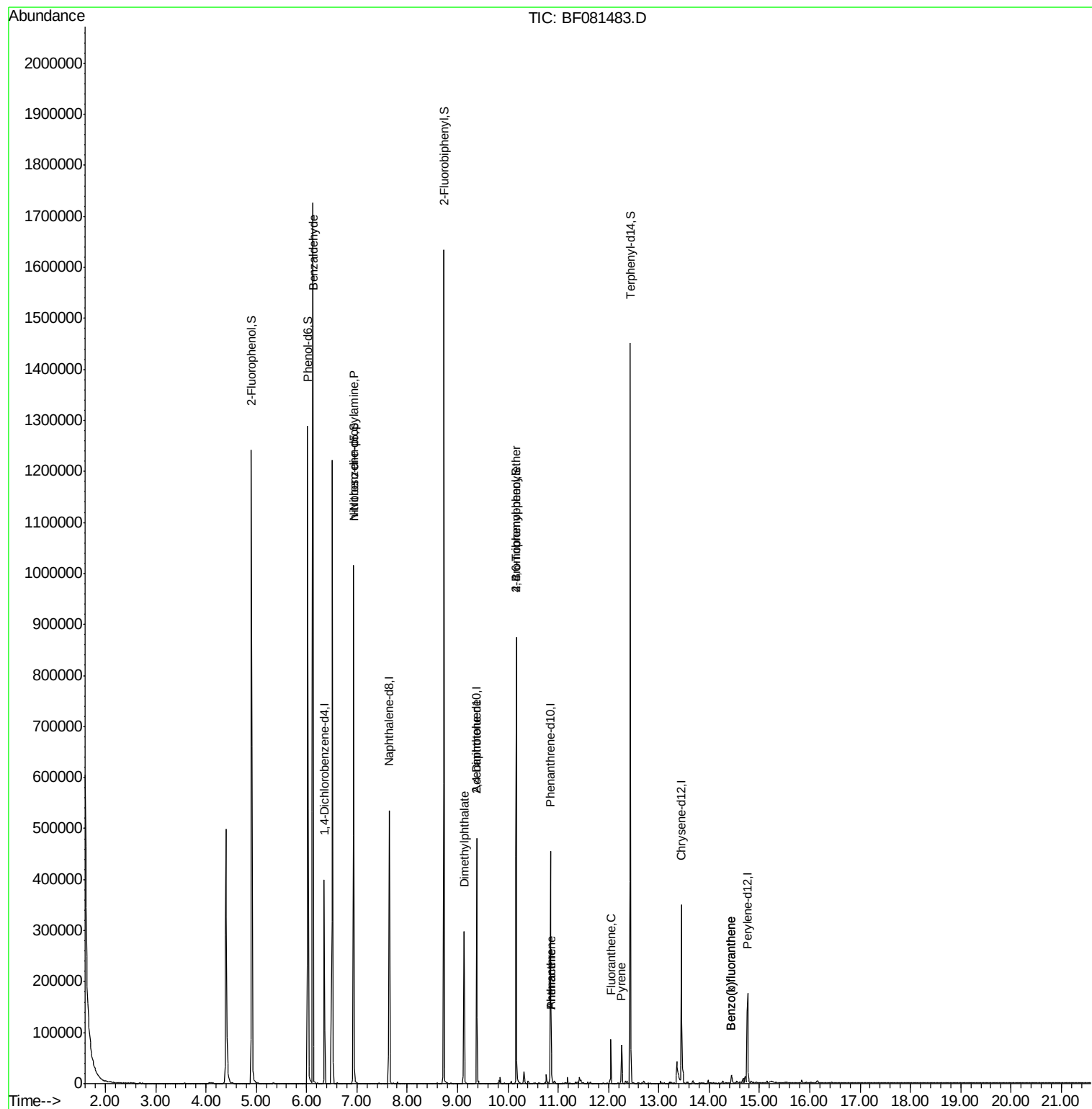
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	55088	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	210947	20.00	ng	-0.03
38) Acenaphthene-d10	9.38	164	93415	20.00	ng	-0.03
63) Phenanthrene-d10	10.84	188	179463	20.00	ng	-0.03
75) Chrysene-d12	13.45	240	125139	20.00	ng	-0.05
86) Perylene-d12	14.77	264	91244	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	371769	104.71	ng	-0.02
7) Phenol-d6	6.02	99	492202	104.73	ng	-0.03
23) Nitrobenzene-d5	6.94	82	356894	81.63	ng	-0.03
41) 2,4,6-Tribromophenol	10.17	330	98115	117.96	ng	-0.03
44) 2-Fluorobiphenyl	8.73	172	528620	72.52	ng	-0.03
78) Terphenyl-d14	12.43	244	427901	79.60	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.12	77	10781	3.66	ng	# 60
19) n-Nitroso-di-n-propylamine	6.94	70	47952	14.99	ng	# 61
49) Dimethylphthalate	9.13	163	106861	14.72	ng	# 97
56) 2,4-Dinitrotoluene	9.38	165	12128	5.78	ng	# 31
66) 4-Bromophenyl-phenylether	10.17	248	7365	4.06	ng	# 1
70) Phenanthrene	10.87	178	22180	2.22	ng	96
71) Anthracene	10.87	178	22180	2.16	ng	96
74) Fluoranthene	12.05	202	37074	3.43	ng	86
77) Pyrene	12.26	202	31347	3.38	ng	95
87) Benzo(b)fluoranthene	14.43	252	14992	2.30	ng	# 91
88) Benzo(k)fluoranthene	14.43	252	14992	2.77	ng	# 93

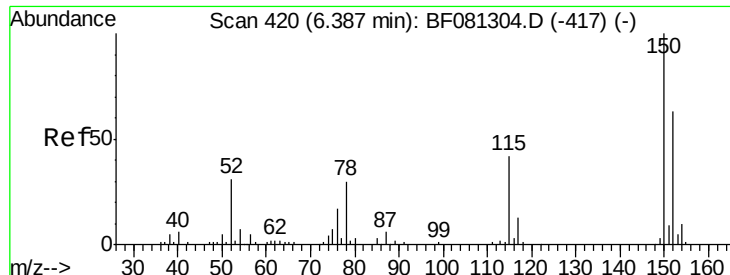
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

SB-9

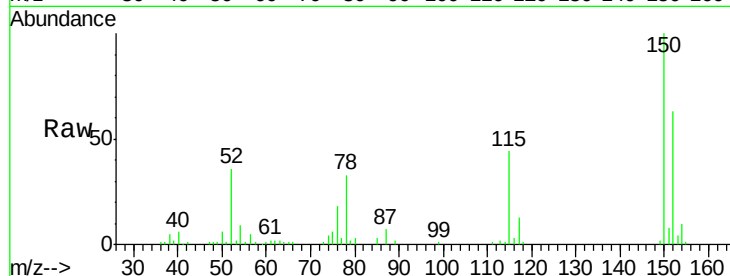
Tot Ion:152 Resp: 55088

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

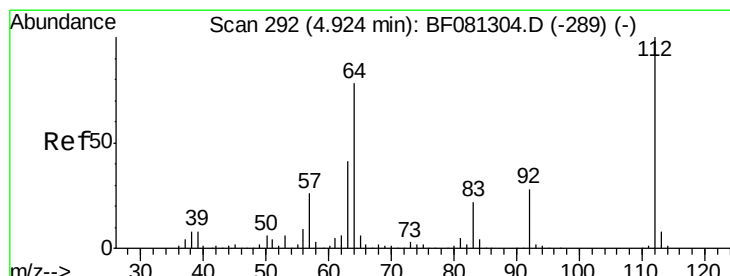
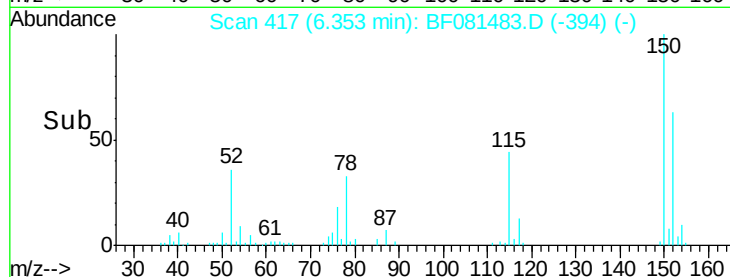
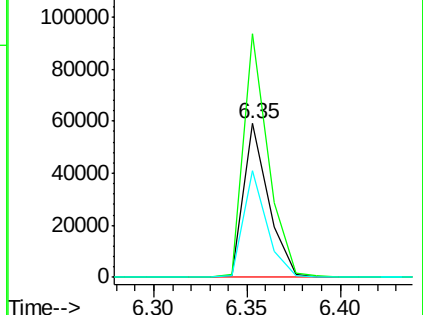
115 69.7 39.0 58.4#



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: 104.71 ng

RT: 4.90 min Scan# 290

Delta R.T. -0.02 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

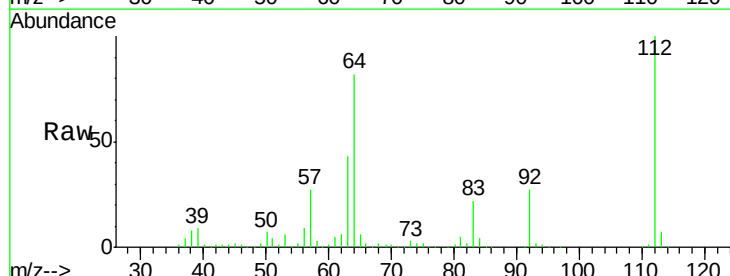
Tgt Ion:112 Resp: 371769

Ion Ratio Lower Upper

112 100

64 81.8 39.7 59.5#

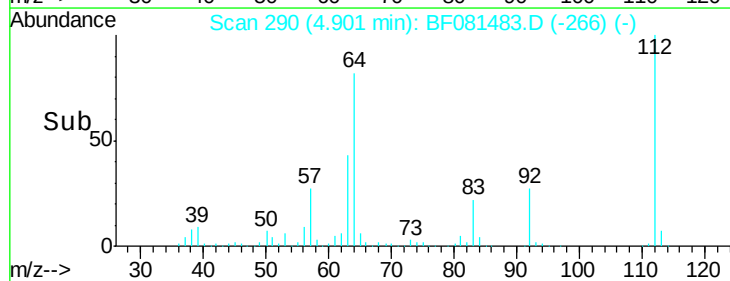
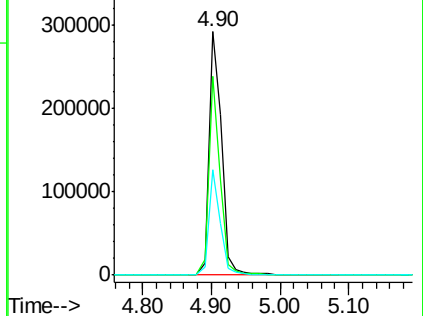
63 43.2 17.4 26.0#

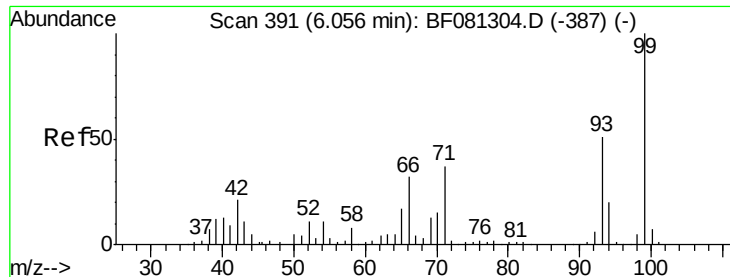


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.73 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.03 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Instrument :

BNA_F

ClientSampled :

SB-9

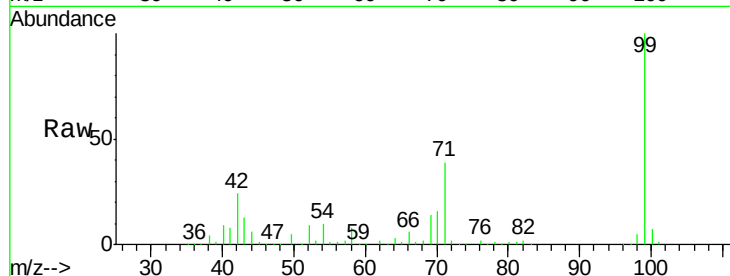
Tot Ion: 99 Resp: 492202

Ion Ratio Lower Upper

99 100

42 23.7 13.7 20.5#

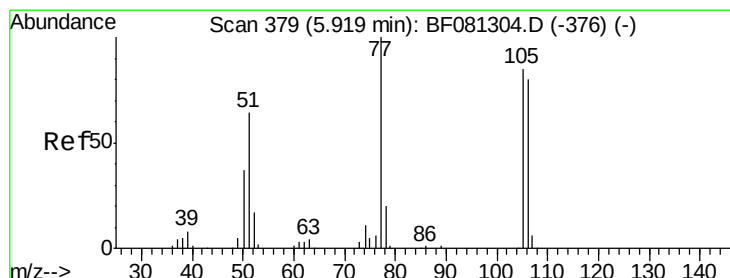
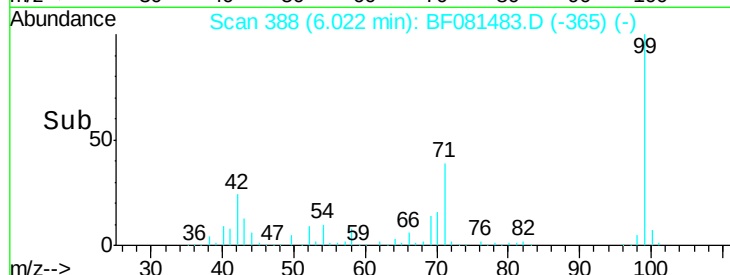
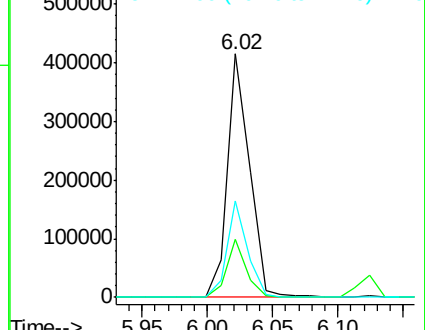
71 39.5 14.2 21.2#



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: 3.66 ng

RT: 6.12 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

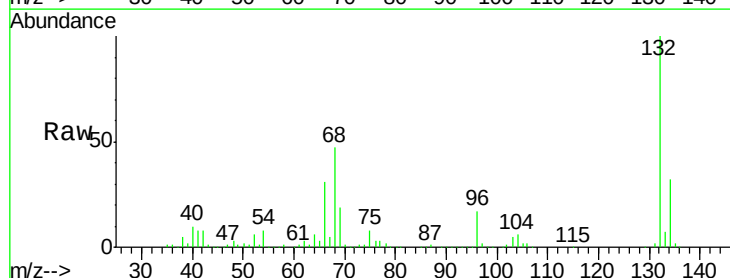
Tgt Ion: 77 Resp: 10781

Ion Ratio Lower Upper

77 100

105 79.3 91.6 131.6#

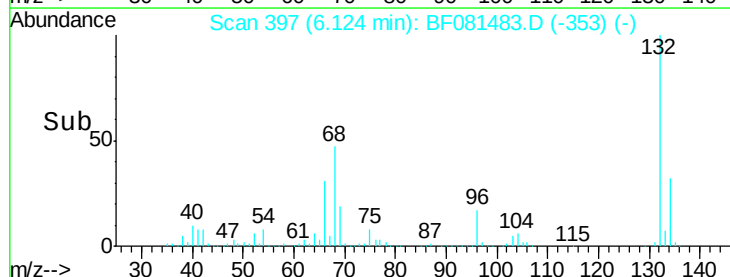
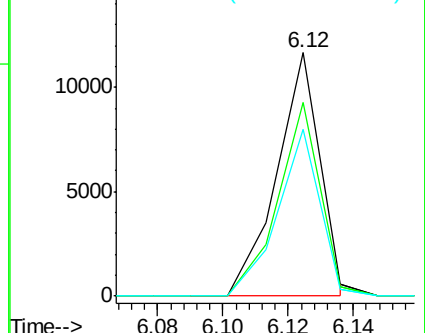
106 68.7 102.6 142.6#

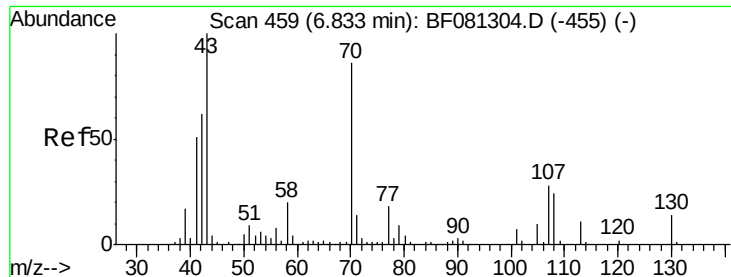


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.99 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

SB-9

Tot Ion: 70 Resp: 47952

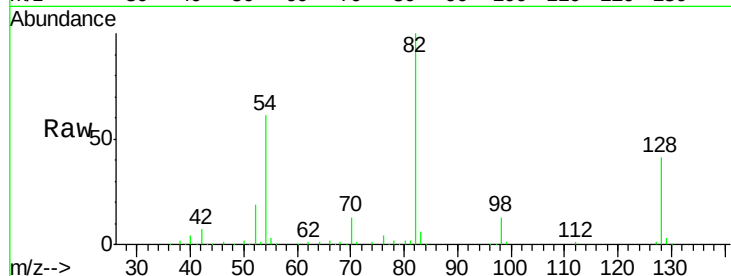
Ion Ratio Lower Upper

70 100

42 50.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

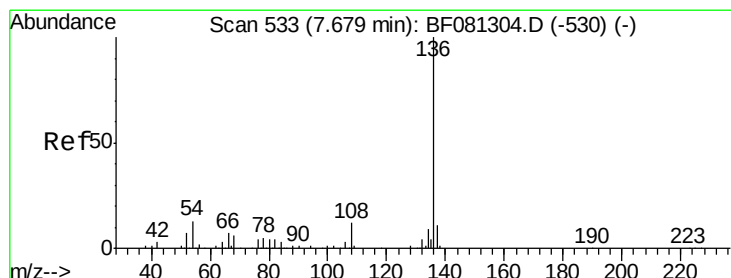
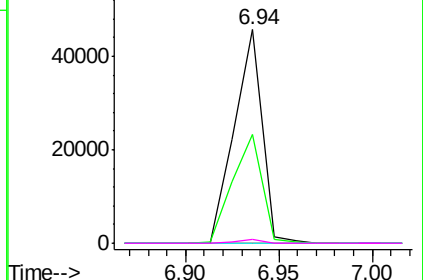
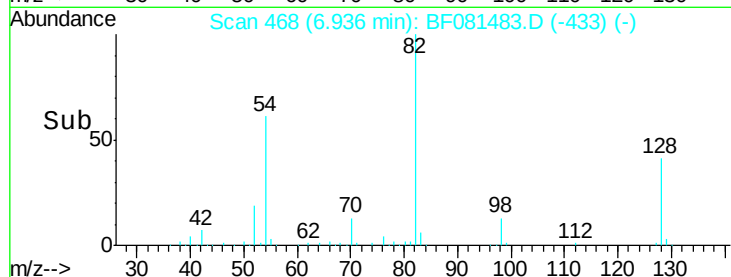


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Tgt Ion: 136 Resp: 210947

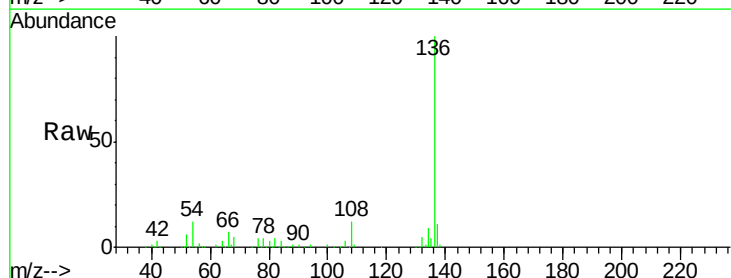
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 11.7 8.2 12.2

68 5.2 5.8 8.6#

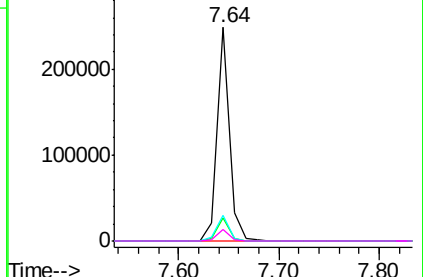
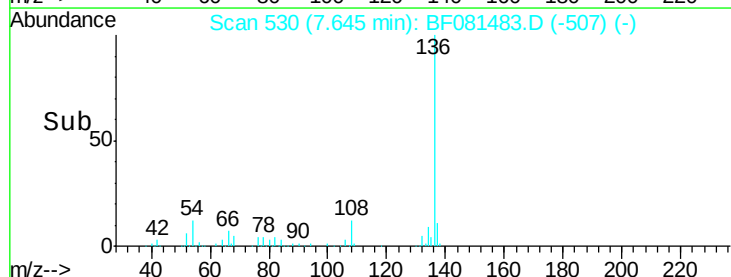


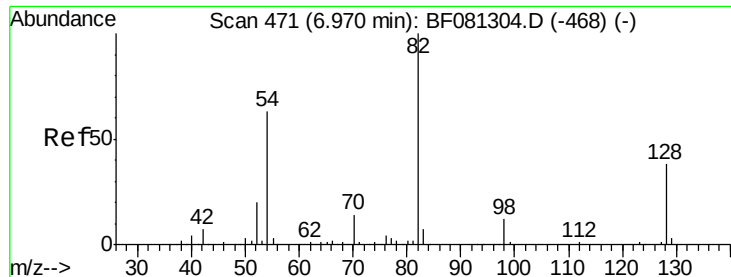
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

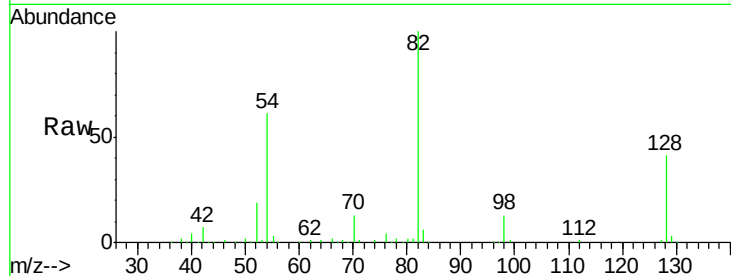




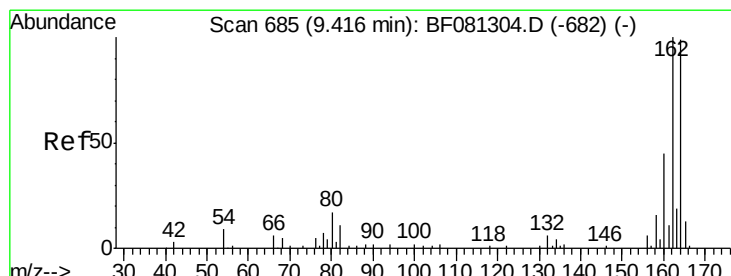
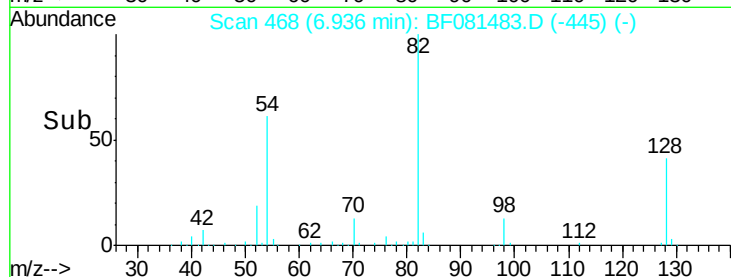
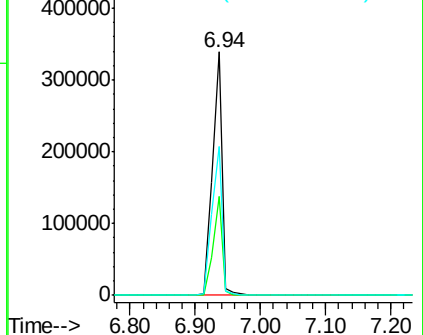
#23
 Nitrobenzene-d5
 Concen: 81.63 ng
 RT: 6.94 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Instrument :
 BNA_F
 ClientSampled :
 SB-9

Tot Ion: 82 Resp: 356894
 Ion Ratio Lower Upper
 82 100
 128 40.8 51.0 76.6#
 54 61.2 47.5 71.3

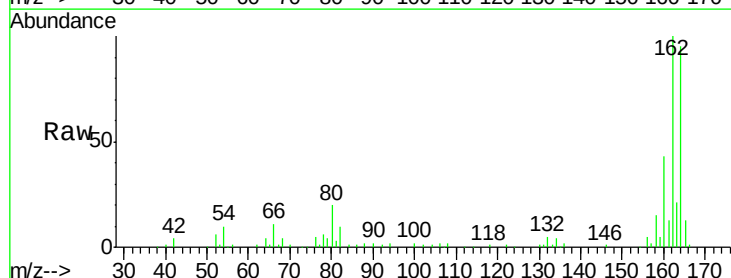


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

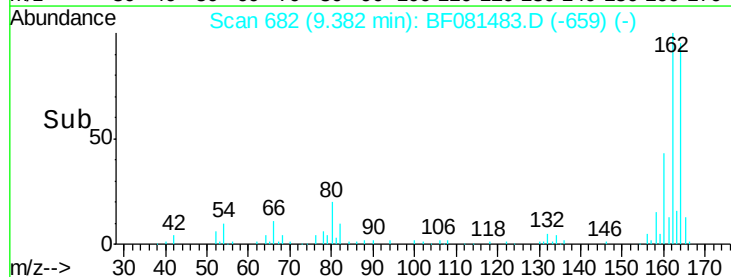
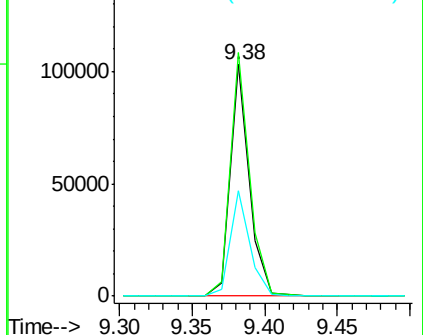


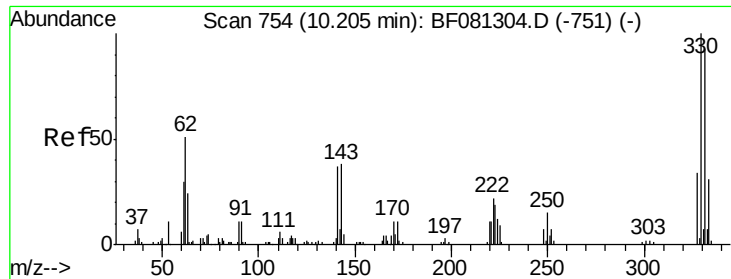
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Tgt Ion:164 Resp: 93415
 Ion Ratio Lower Upper
 164 100
 162 105.1 75.2 112.8
 160 45.3 31.5 47.3



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

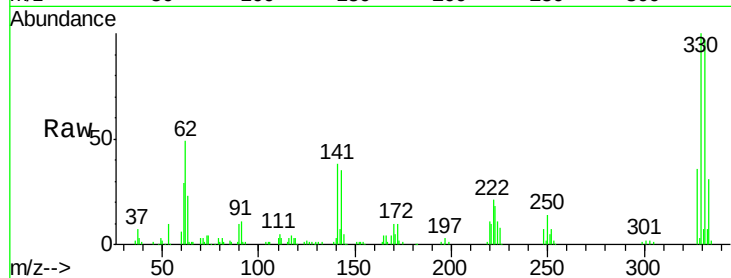




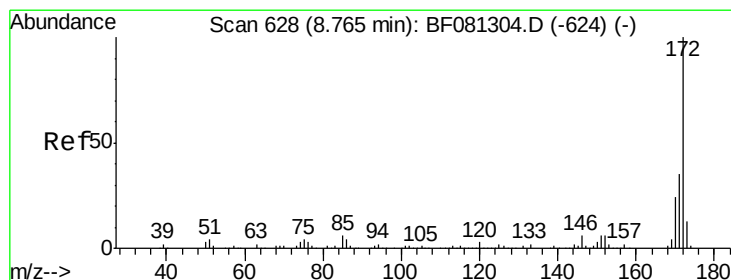
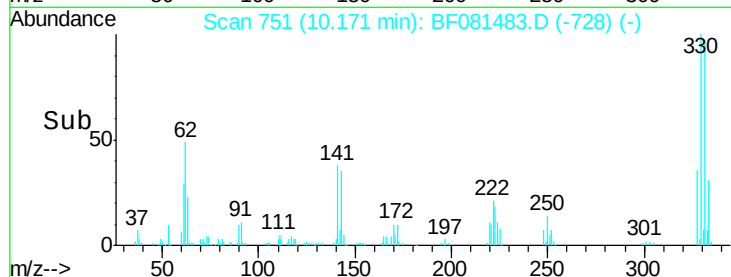
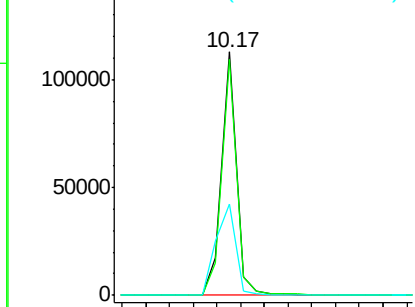
#41
 2,4,6-Tribromophenol
 Concen: 117.96 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	49.3	29.7	44.5#

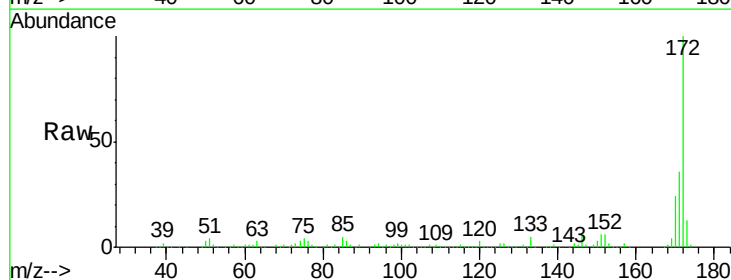


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

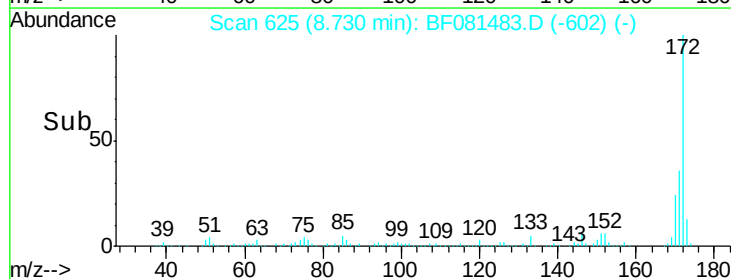
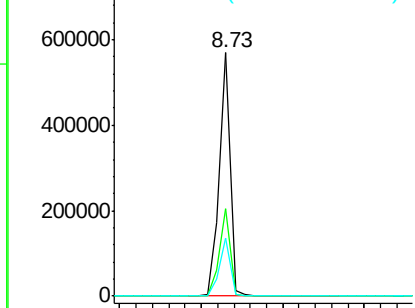


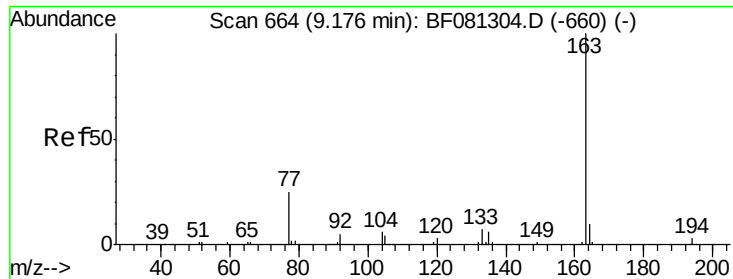
#44
 2-Fluorobiphenyl
 Concen: 72.52 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	26.1	39.1
170	23.8	17.4	26.2



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

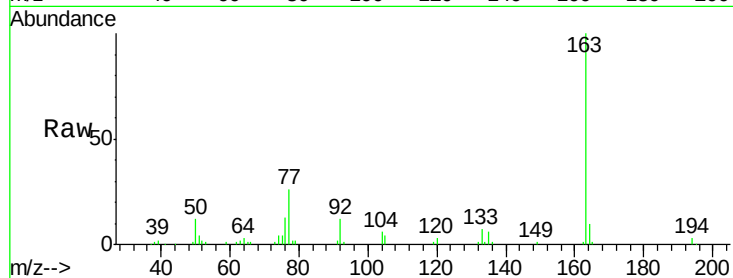




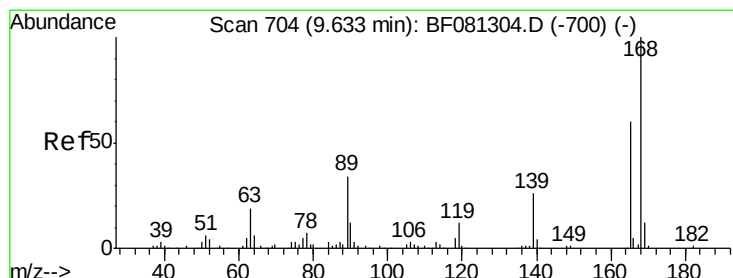
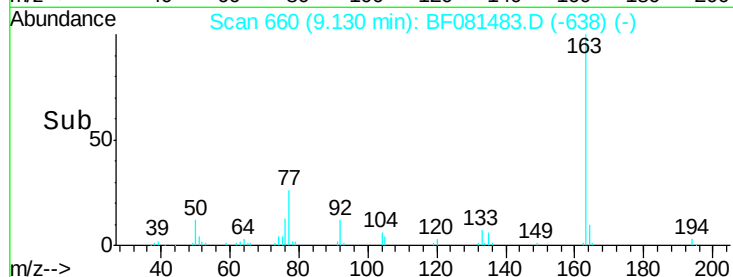
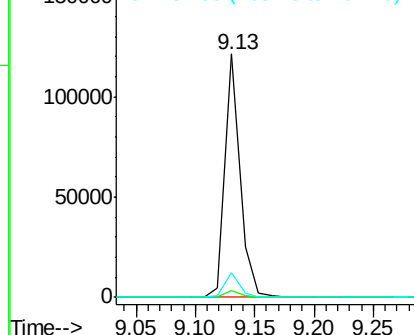
#49
Dimethylphthalate
Concen: 14.72 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.05 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion:163 Resp: 106861
Ion Ratio Lower Upper
163 100
194 2.9 4.4 6.6#
164 10.4 8.3 12.5

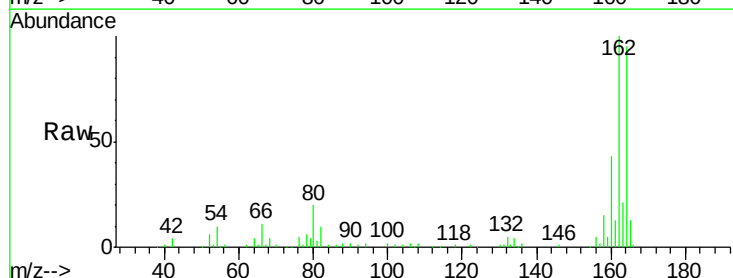


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

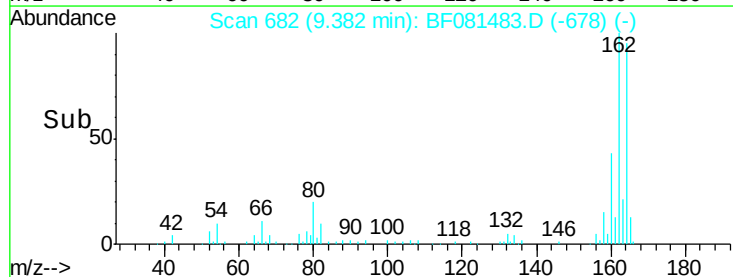
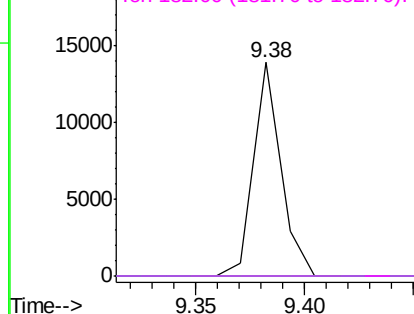


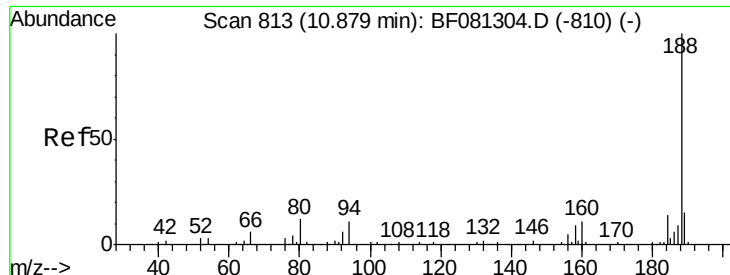
#56
2,4-Dinitrotoluene
Concen: 5.78 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.25 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Tgt Ion:165 Resp: 12128
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#



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

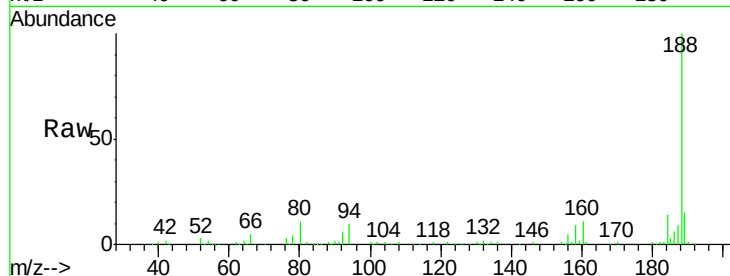




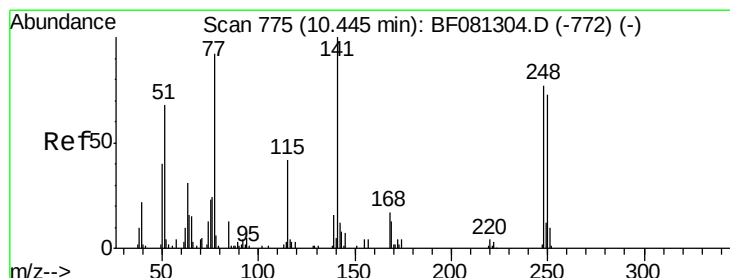
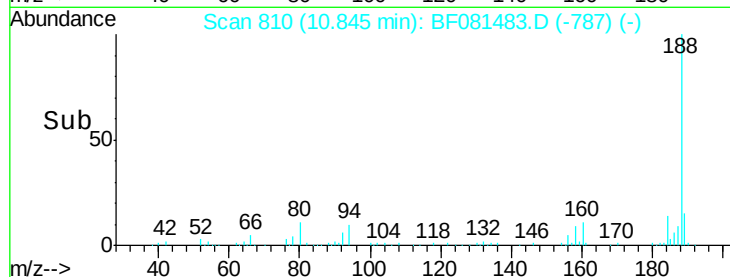
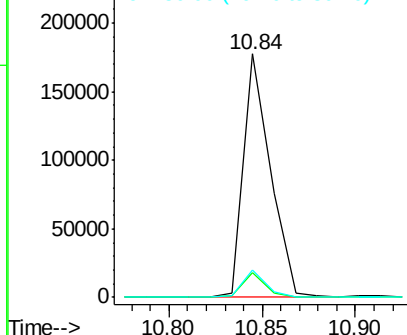
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.84 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion:188 Resp: 179463
Ion Ratio Lower Upper
188 100
94 10.2 11.1 16.7#
80 11.4 11.0 16.4

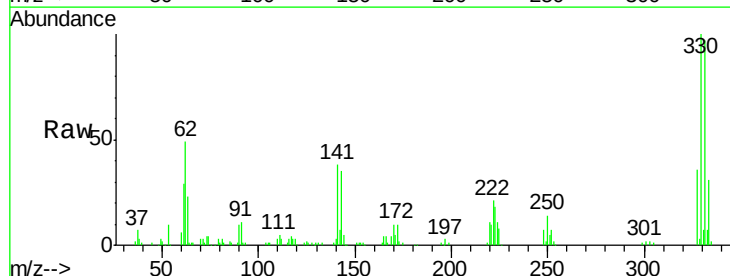


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

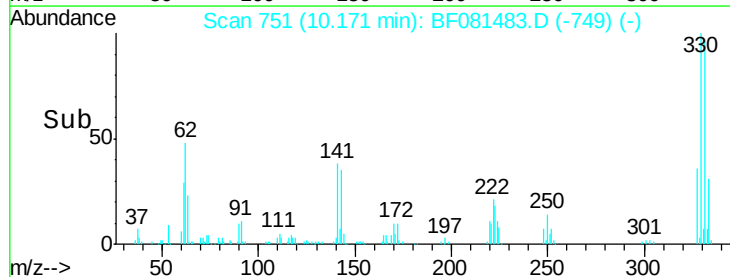
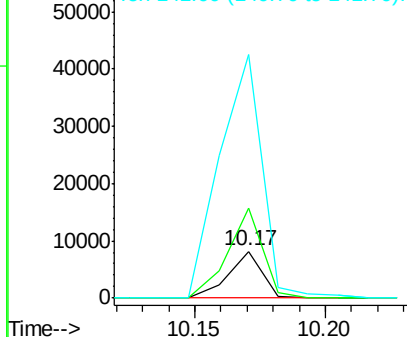


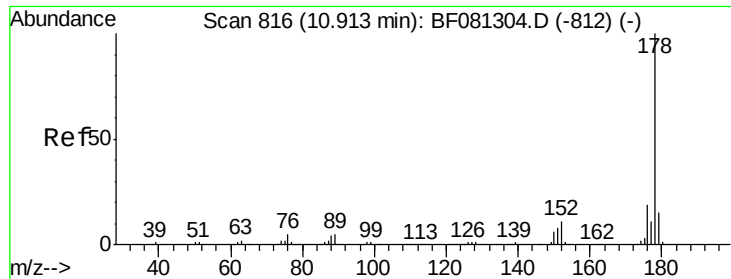
#66
4-Bromophenyl-phenylether
Concen: 4.06 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Tgt Ion:248 Resp: 7365
Ion Ratio Lower Upper
248 100
250 192.4 78.5 117.7#
141 523.9 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

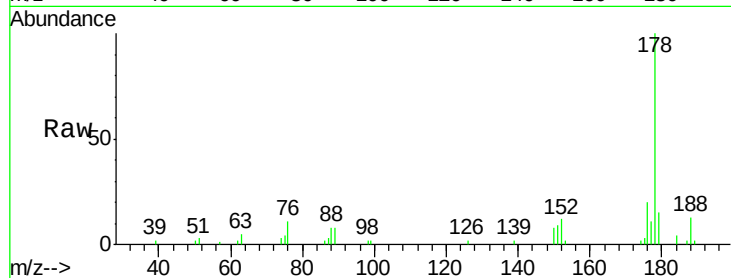




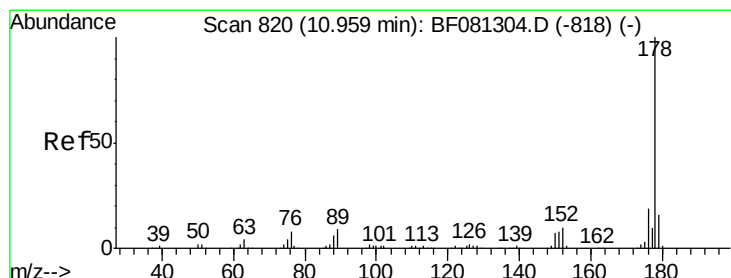
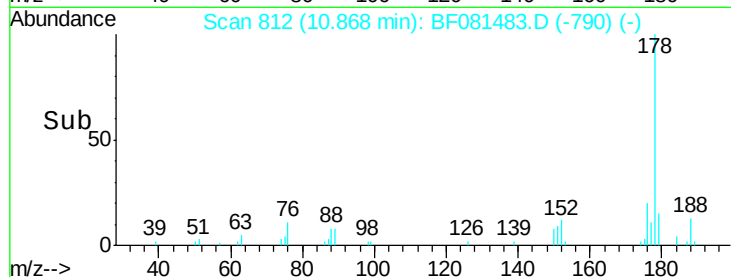
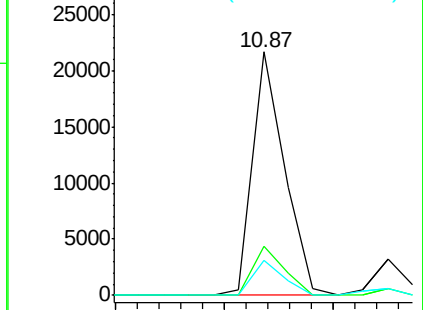
#70
 Phenanthrene
 Concen: 2.22 ng
 RT: 10.87 min Scan# 812
 Delta R.T. -0.05 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Tot Ion:178 Resp: 22180
 Ion Ratio Lower Upper
 178 100
 176 20.1 13.8 20.8
 179 14.6 12.2 18.2

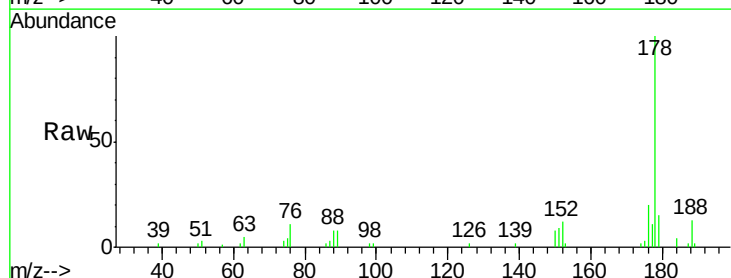


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

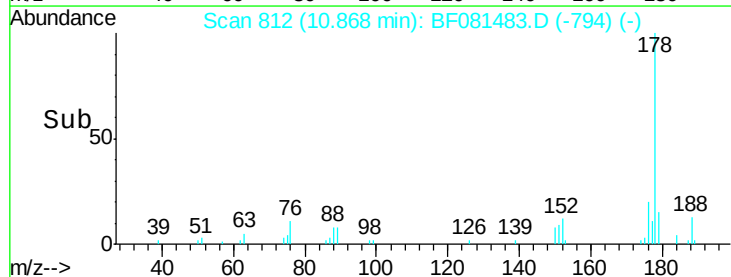
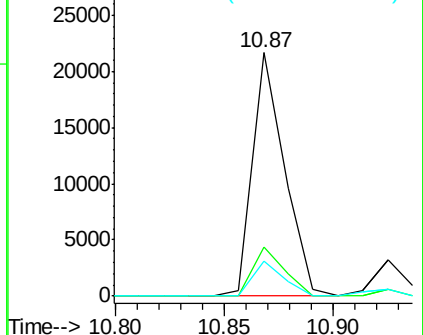


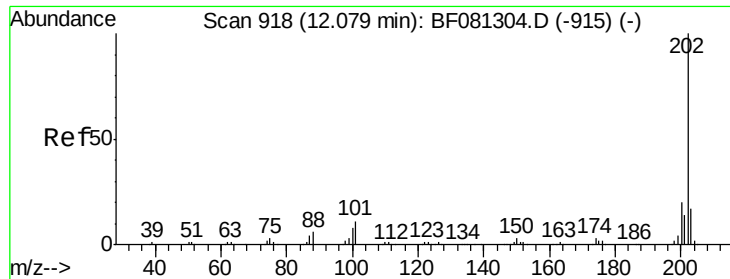
#71
 Anthracene
 Concen: 2.16 ng
 RT: 10.87 min Scan# 812
 Delta R.T. -0.09 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Tgt Ion:178 Resp: 22180
 Ion Ratio Lower Upper
 178 100
 176 20.1 14.1 21.1
 179 14.6 12.2 18.2



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

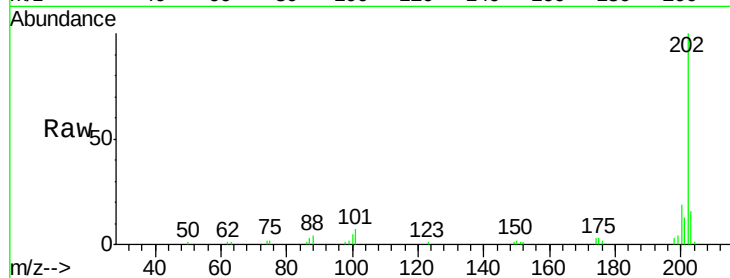




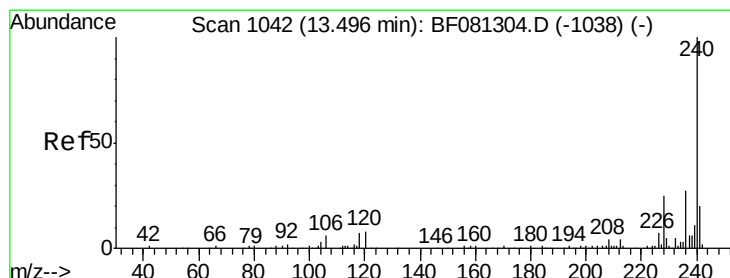
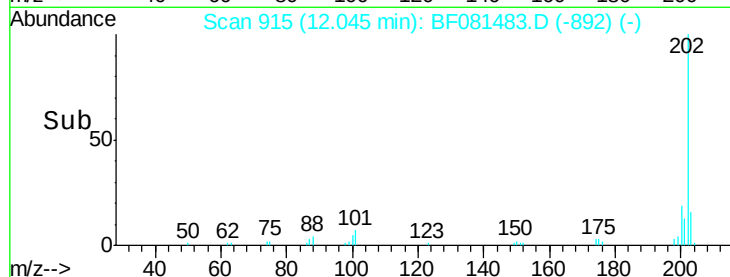
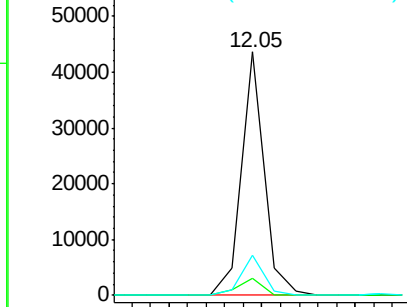
#74
 Fluoranthene
 Concen: 3.43 ng
 RT: 12.05 min Scan# 915
 Delta R.T. -0.03 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	38.3
203	16.4	0.0	37.3

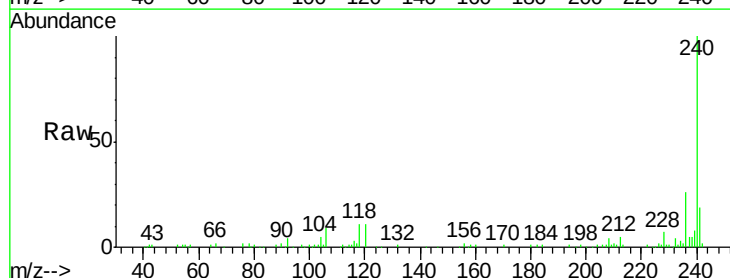


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

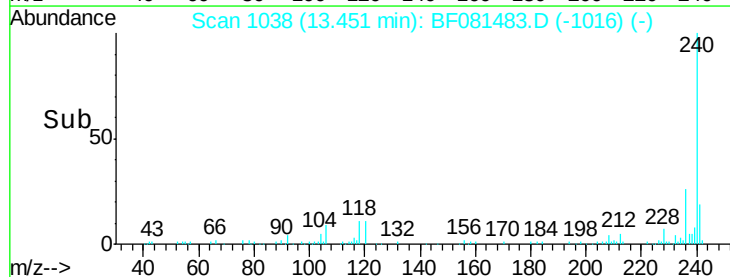
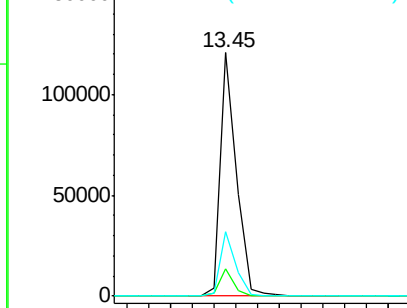


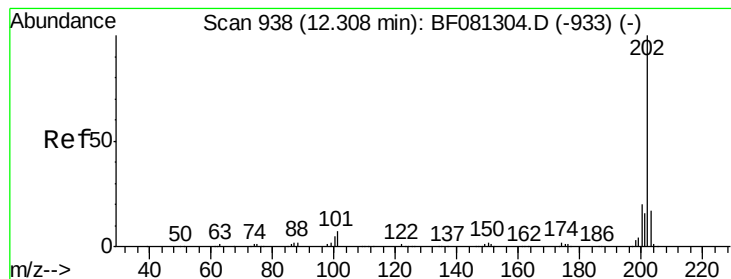
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.45 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF081483.D
 Acq: 6 Sep 2015 1:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	16.2	24.2#
236	26.4	18.4	27.6



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.38 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.05 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

SB-9

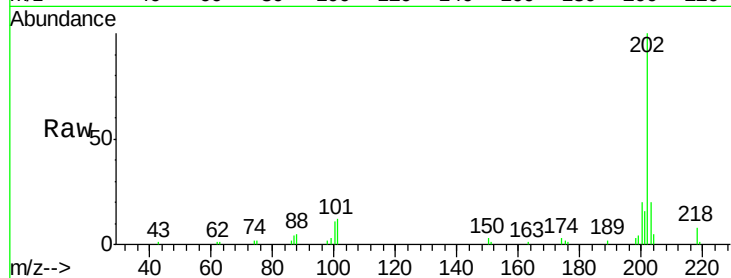
Tot Ion:202 Resp: 31347

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

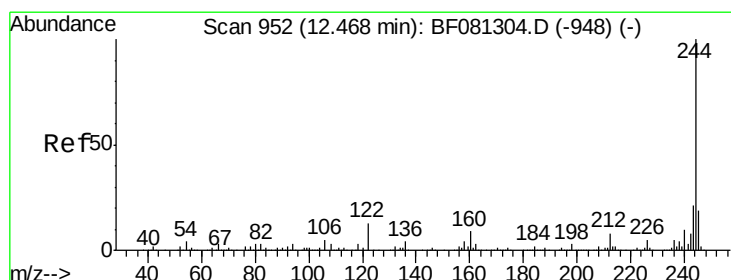
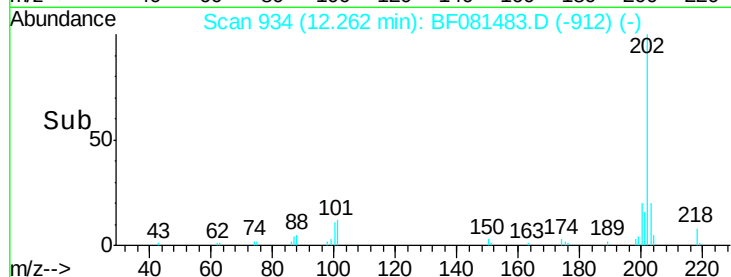
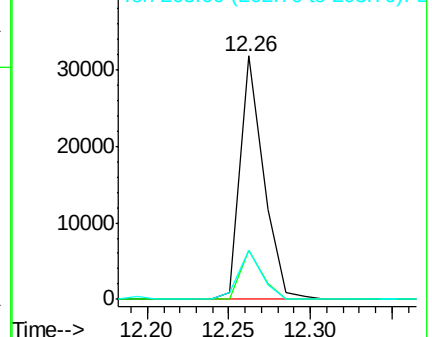
203 20.4 14.1 21.1



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: 79.60 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

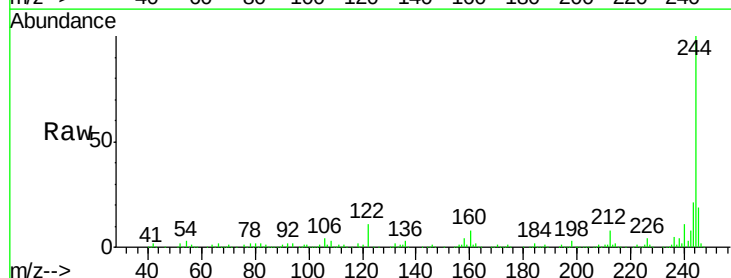
Tgt Ion:244 Resp: 427901

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

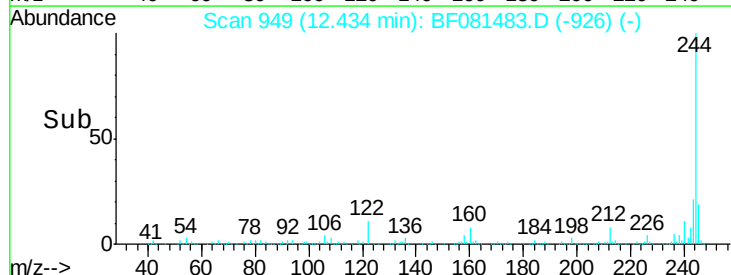
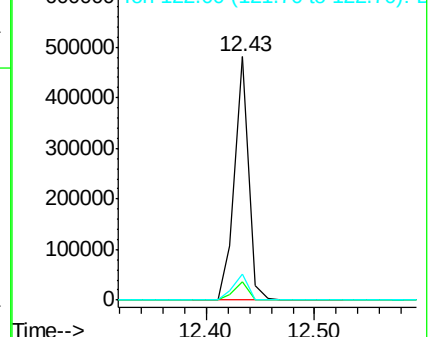
122 10.6 17.4 26.2#

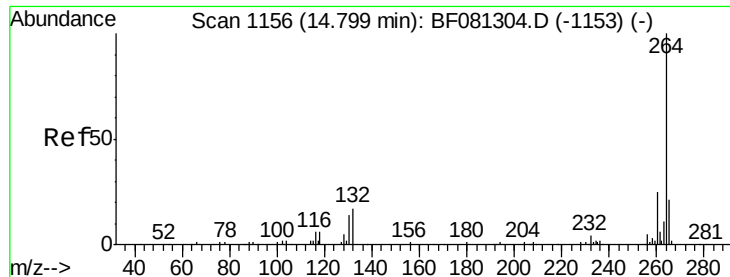


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

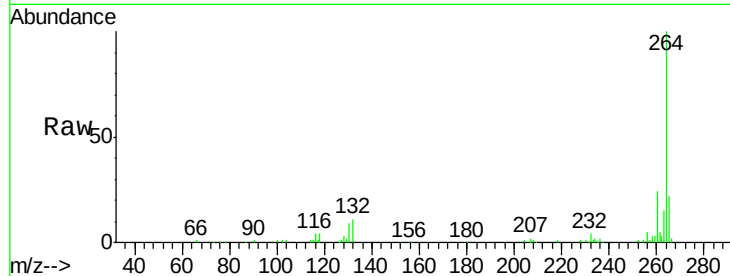




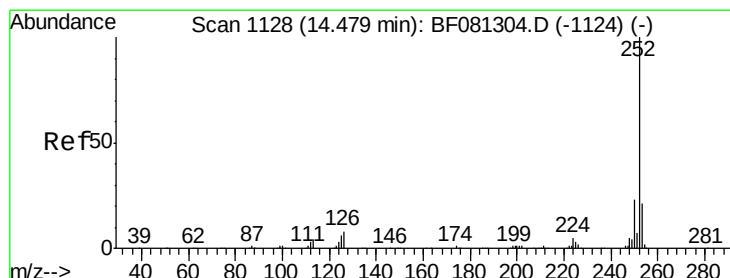
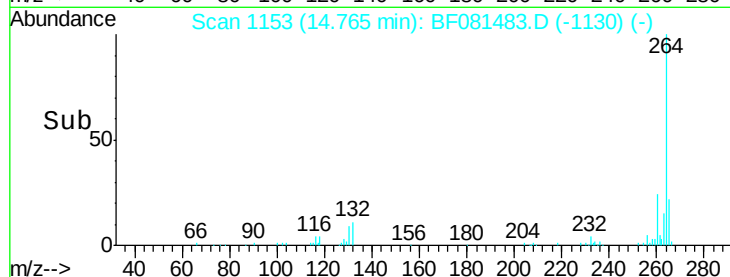
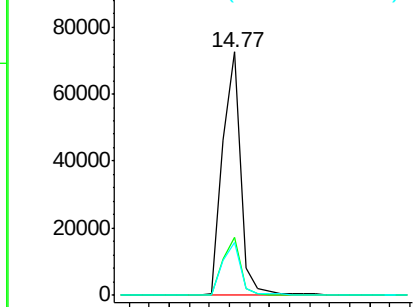
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion:264 Resp: 91244
Ion Ratio Lower Upper
264 100
260 23.8 16.7 25.1
265 21.9 17.2 25.8

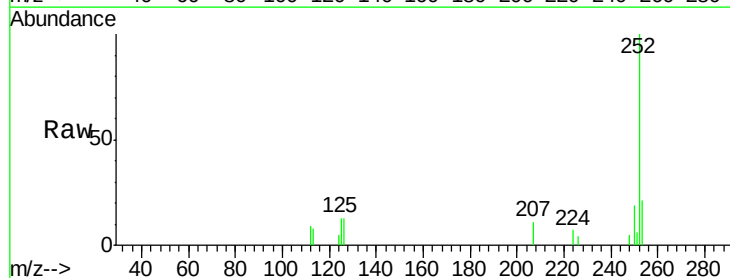


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

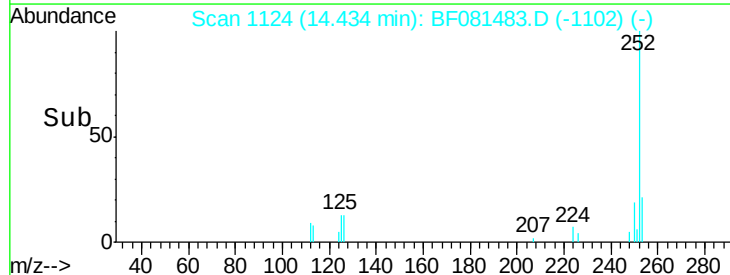
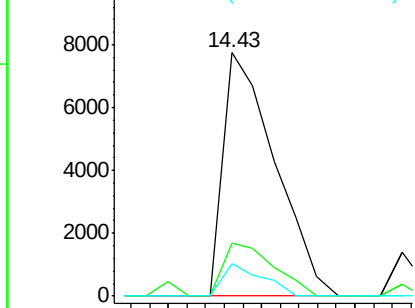


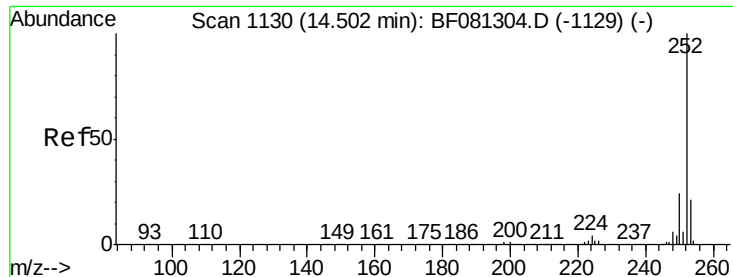
#87
Benzo(b)fluoranthene
Concen: 2.30 ng
RT: 14.43 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF081483.D
Acq: 6 Sep 2015 1:03

Tgt Ion:252 Resp: 14992
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 13.2 17.1 25.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.77 ng

RT: 14.43 min Scan# 1124

Delta R.T. -0.07 min

Lab File: BF081483.D

Acq: 6 Sep 2015 1:03

Instrument :

BNA_F

ClientSampleId :

SB-9

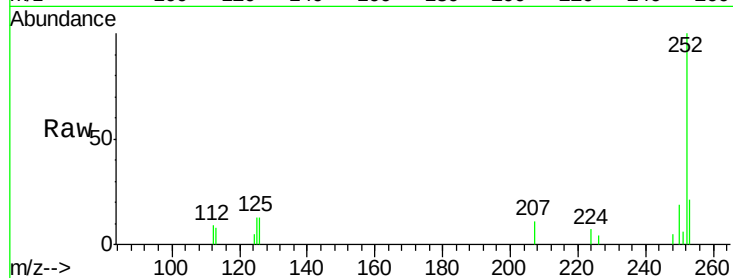
Tot Ion: 252 Resp: 14992

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.4

125 13.2 16.0 24.0



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

