

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081514.D
 Acq On : 6 Sep 2015 17:22
 Operator : UM/IZ
 Sample : G3555-10
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10

Quant Time: Sep 07 02:00:37 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

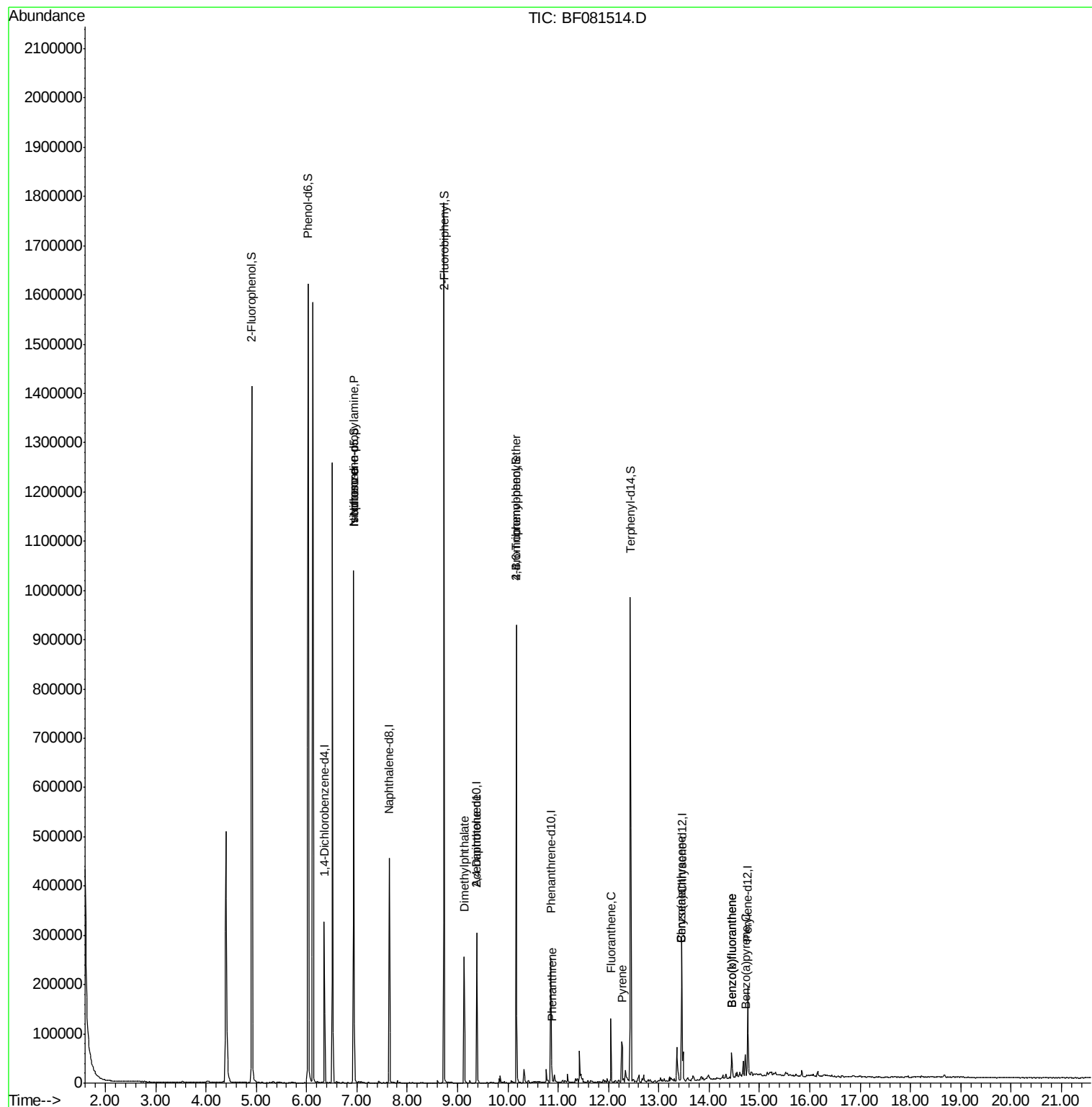
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	49362	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	187880	20.00	ng	-0.03
38) Acenaphthene-d10	9.38	164	76816	20.00	ng	-0.03
63) Phenanthrene-d10	10.86	188	130340	20.00	ng	-0.02
75) Chrysene-d12	13.46	240	107584	20.00	ng	-0.03
86) Perylene-d12	14.77	264	76891	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	446944	140.48	ng	-0.01
7) Phenol-d6	6.03	99	557085	132.28	ng	-0.02
23) Nitrobenzene-d5	6.94	82	340550	87.45	ng	-0.03
41) 2,4,6-Tribromophenol	10.17	330	78314	114.50	ng	-0.03
44) 2-Fluorobiphenyl	8.73	172	497574	83.01	ng	-0.03
78) Terphenyl-d14	12.43	244	361342	78.18	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.94	70	46550	16.24	ng	# 65
25) Isophorone	6.94	82	265378	36.64	ng	# 58
49) Dimethylphthalate	9.13	163	106244	17.80	ng	# 97
56) 2,4-Dinitrotoluene	9.38	165	9909	5.75	ng	# 31
66) 4-Bromophenyl-phenylether	10.17	248	6310	4.79	ng	# 1
70) Phenanthrene	10.88	178	23395	3.23	ng	95
74) Fluoranthene	12.04	202	53652	6.84	ng	89
77) Pyrene	12.27	202	44999	5.65	ng	99
80) Benzo(a)anthracene	13.45	228	34357	5.01	ng	# 93
82) Chrysene	13.45	228	34357	5.59	ng	95
87) Benzo(b)fluoranthene	14.45	252	35559	6.48	ng	# 87
88) Benzo(k)fluoranthene	14.45	252	35559	7.81	ng	# 88
89) Benzo(a)pyrene	14.72	252	18533	3.98	ng	# 83

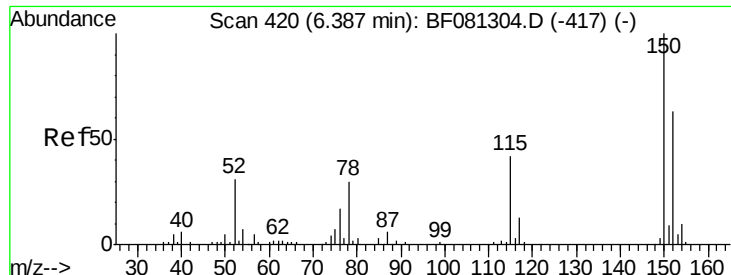
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampled :

SB-10

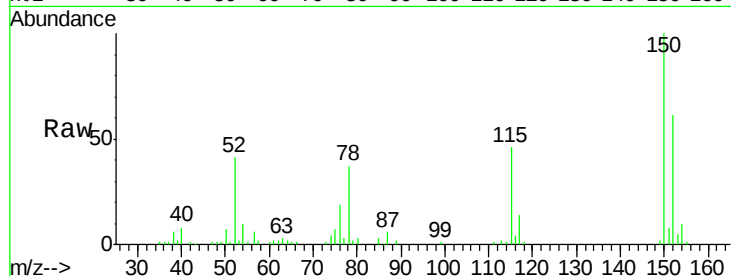
Tot Ion:152 Resp: 49362

Ion Ratio Lower Upper

152 100

150 162.8 124.7 187.1

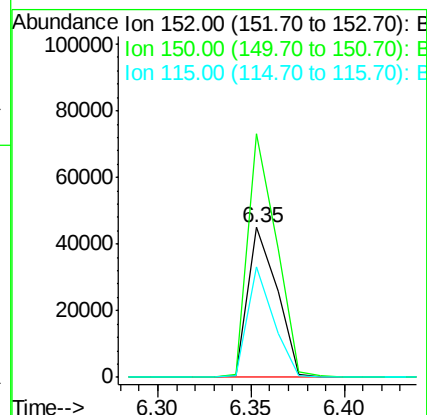
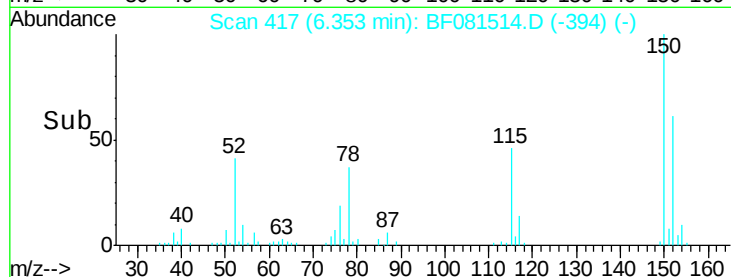
115 74.2 39.0 58.4#



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: 140.48 ng

RT: 4.91 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

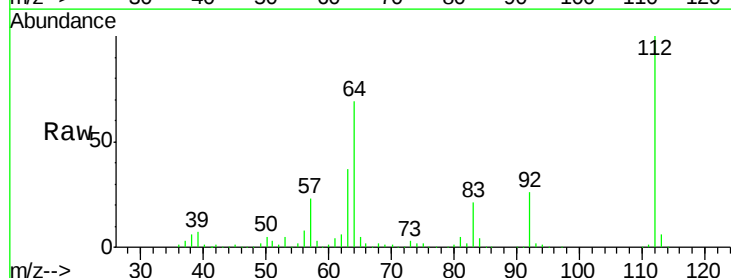
Tgt Ion:112 Resp: 446944

Ion Ratio Lower Upper

112 100

64 69.2 39.7 59.5#

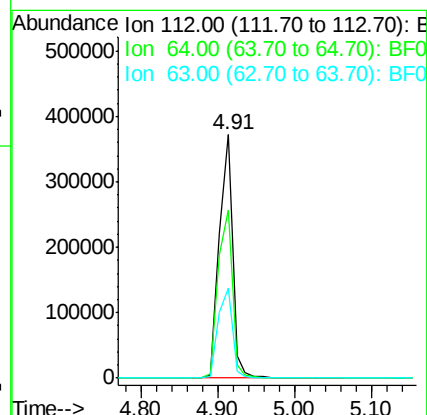
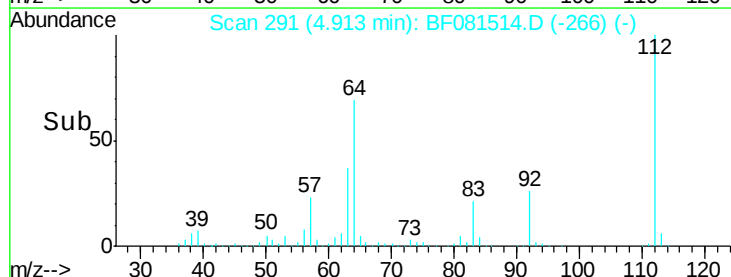
63 37.0 17.4 26.0#



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: 132.28 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

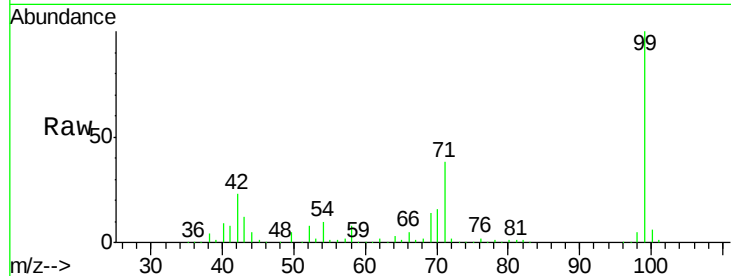
Tot Ion: 99 Resp: 557085

Ion Ratio Lower Upper

99 100

42 23.2 13.7 20.5#

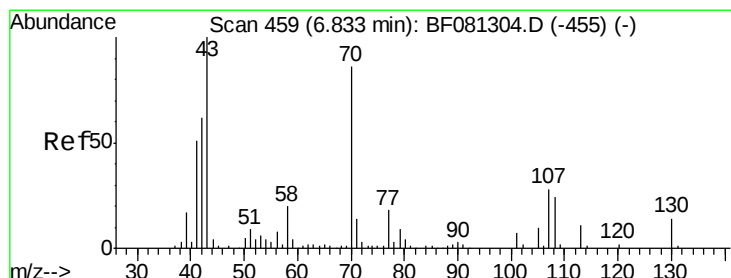
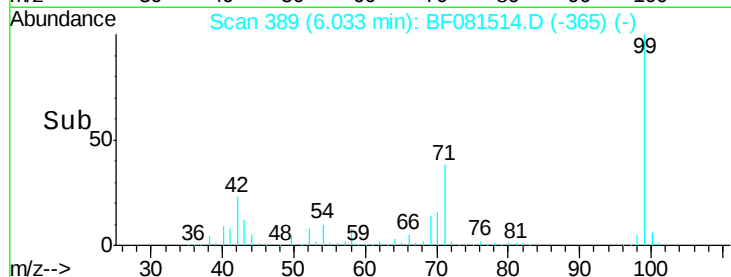
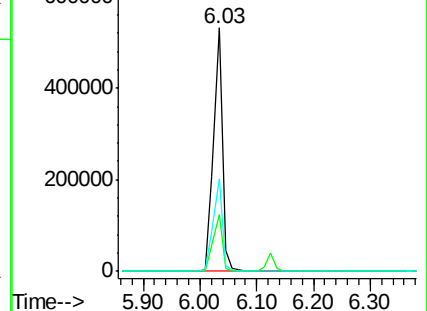
71 38.1 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.24 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Tgt Ion: 70 Resp: 46550

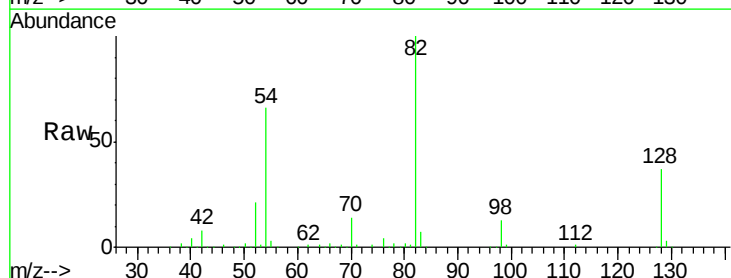
Ion Ratio Lower Upper

70 100

42 56.3 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

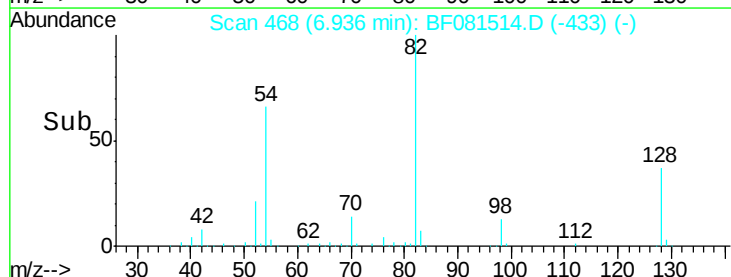
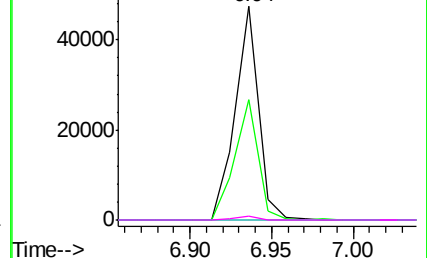


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

Tot Ion:136 Resp: 187880

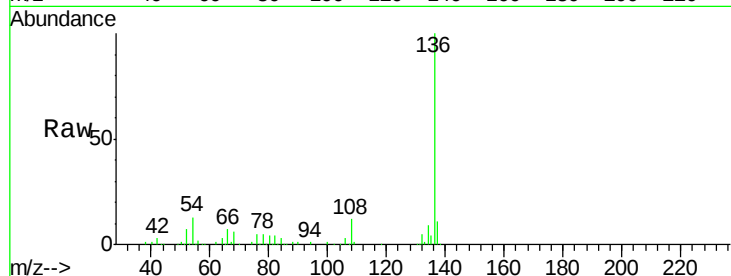
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 13.4 8.2 12.2#

68 6.0 5.8 8.6

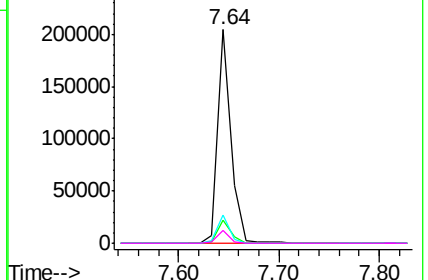
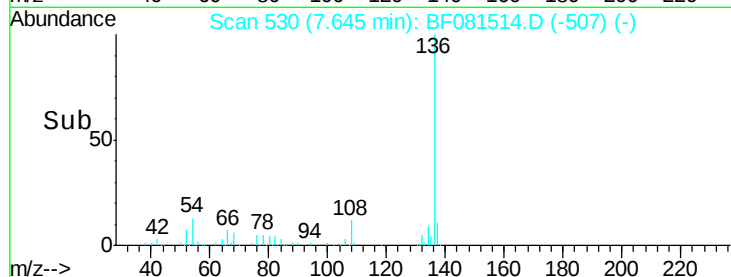


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.45 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

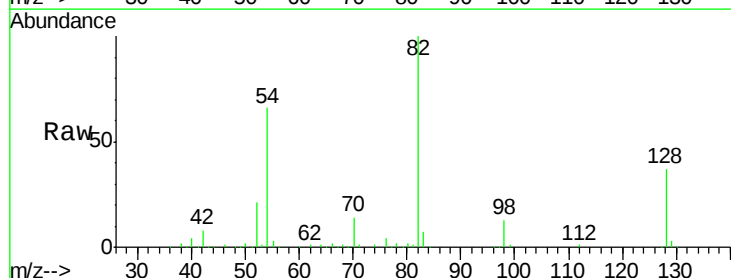
Tgt Ion: 82 Resp: 340550

Ion Ratio Lower Upper

82 100

128 36.6 51.0 76.6#

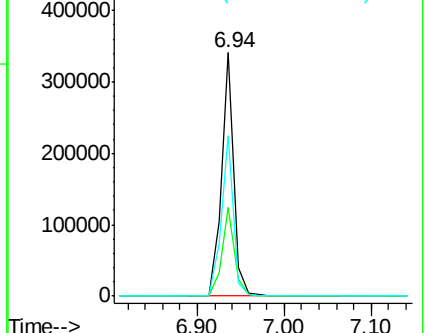
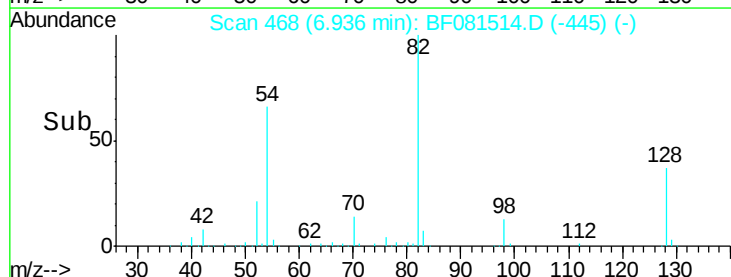
54 66.1 47.5 71.3

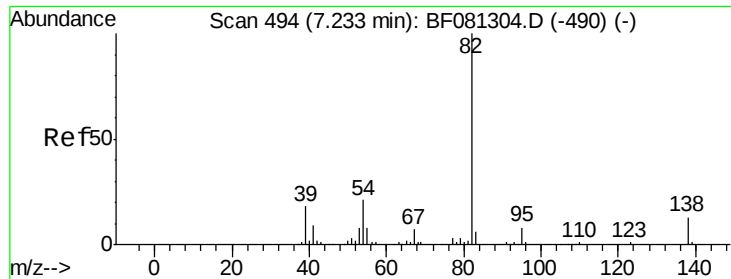


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.64 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.30 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

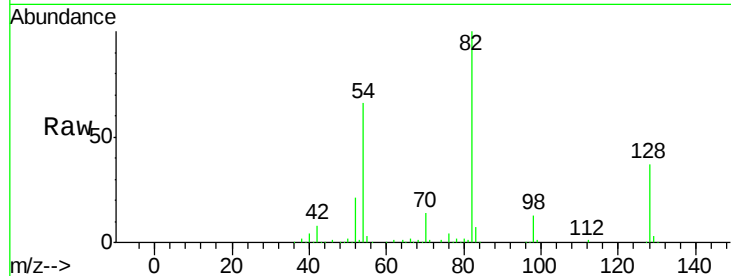
Tot Ion: 82 Resp: 265378

Ion Ratio Lower Upper

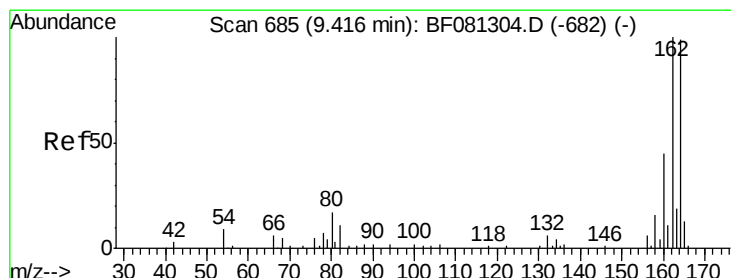
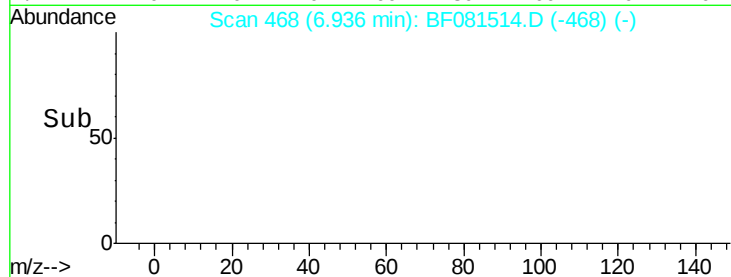
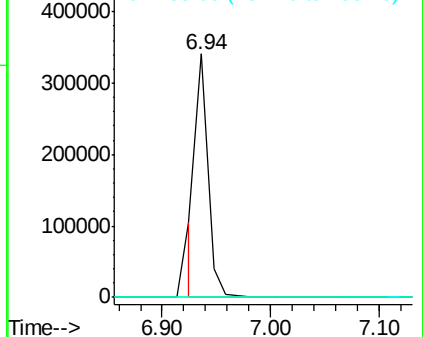
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

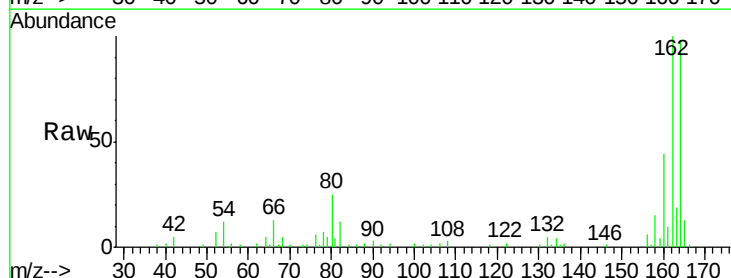
Tgt Ion: 164 Resp: 76816

Ion Ratio Lower Upper

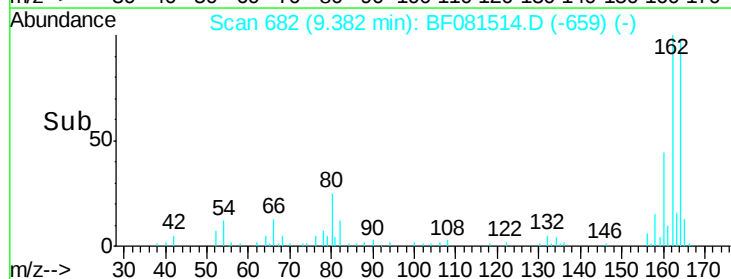
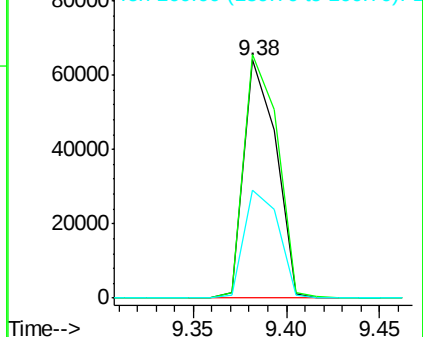
164 100

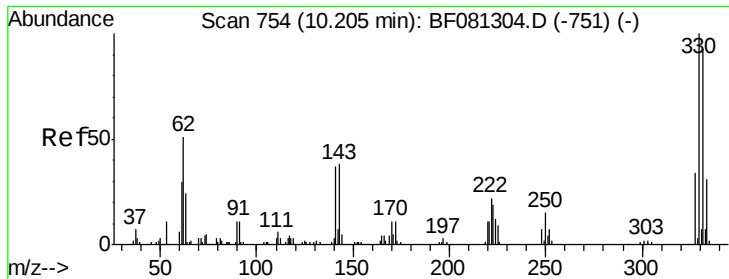
162 102.2 75.2 112.8

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

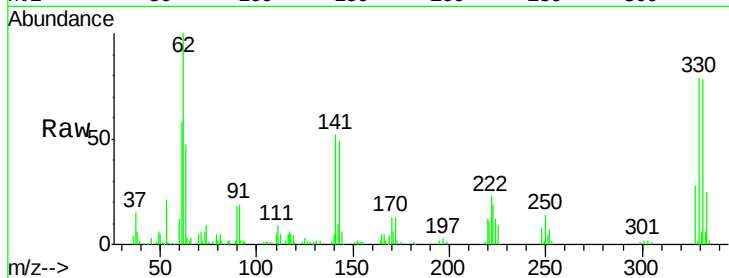




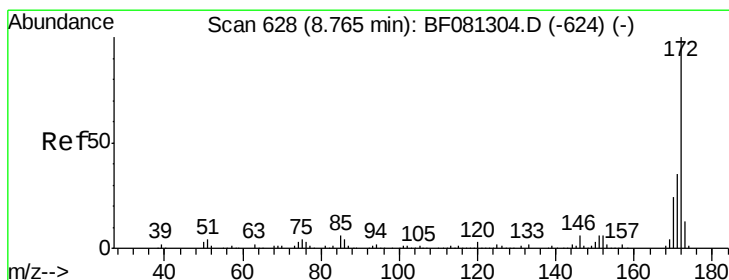
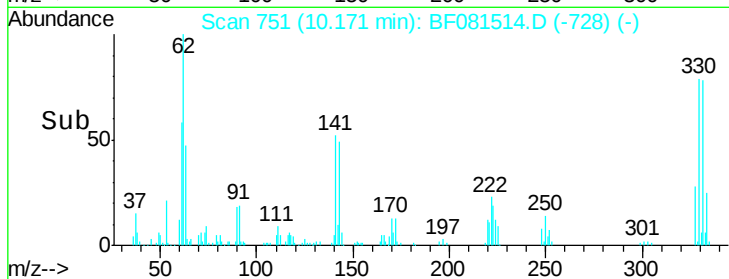
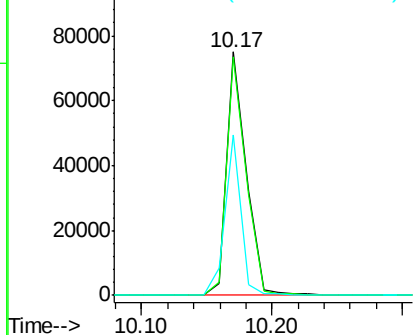
#41
 2,4,6-Tribromophenol
 Concen: 114.50 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.03 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	114.8
141	54.4	29.7	44.5

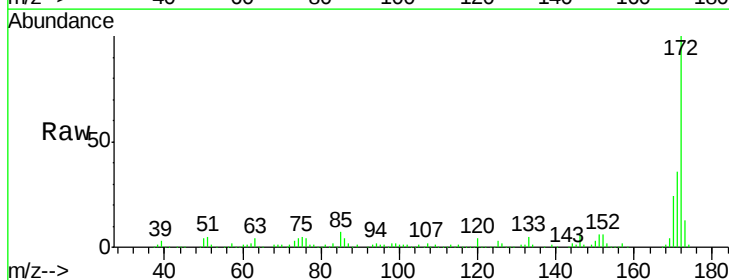


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

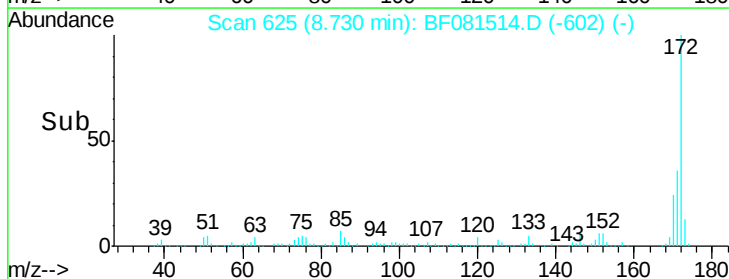
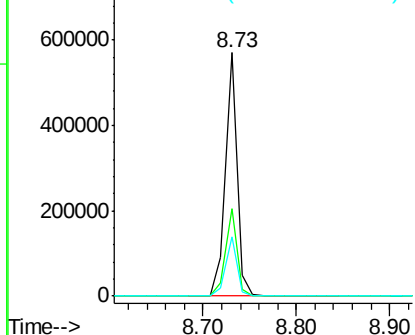


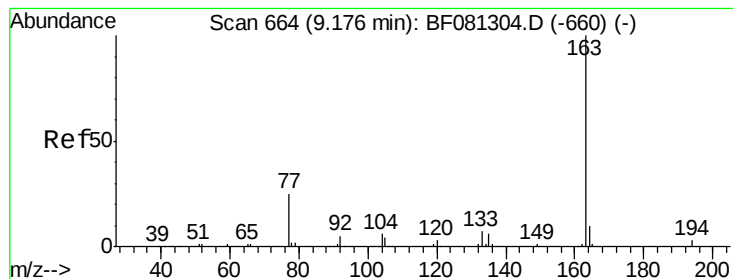
#44
 2-Fluorobiphenyl
 Concen: 83.01 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	26.1	39.1
170	24.3	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: 17.80 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

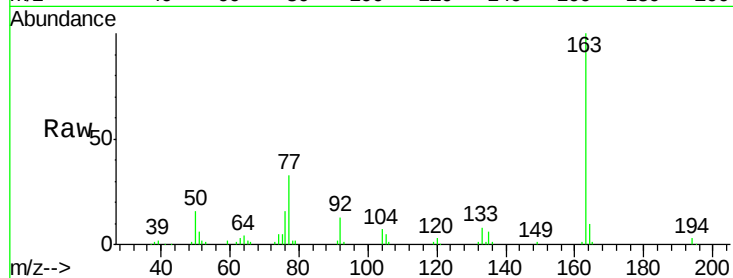
Tot Ion:163 Resp: 106244

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

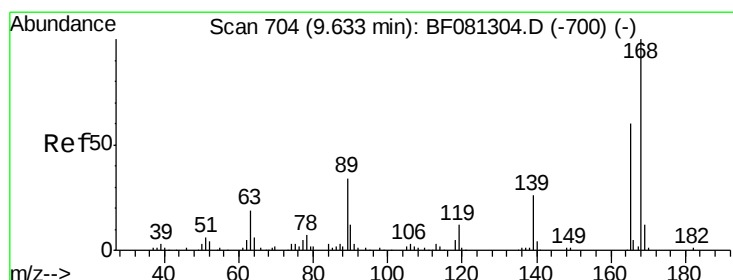
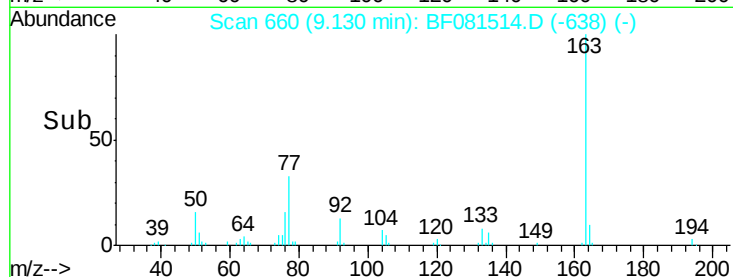
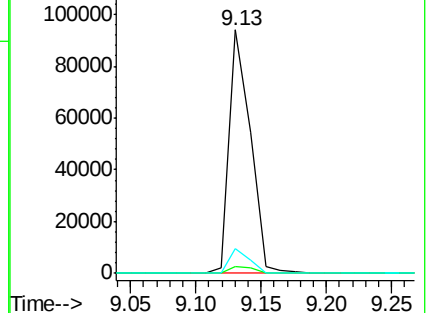
164 10.4 8.3 12.5



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: 5.75 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Tgt Ion:165 Resp: 9909

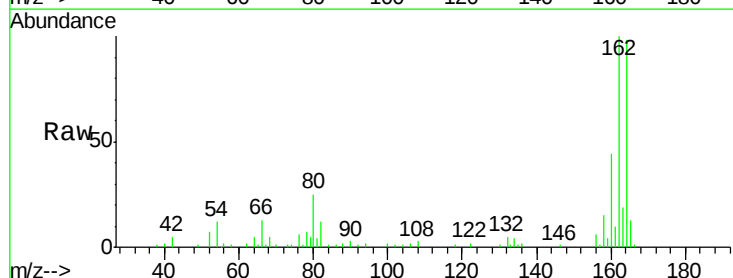
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

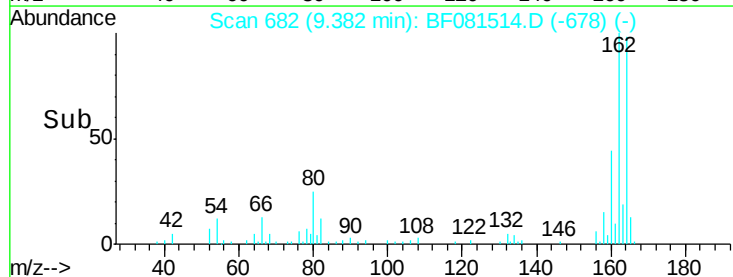
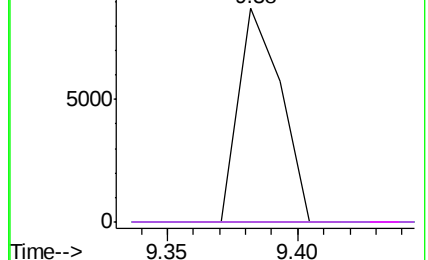


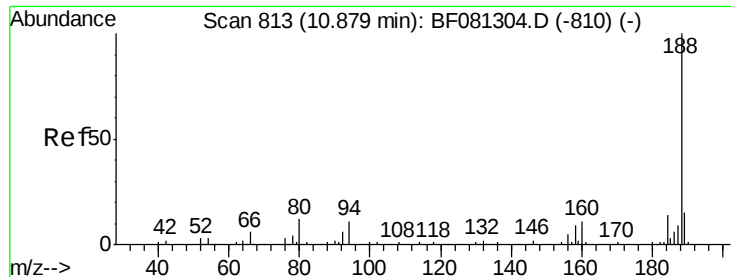
Abundance Ion 165.00 (164.70 to 165.70): E

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

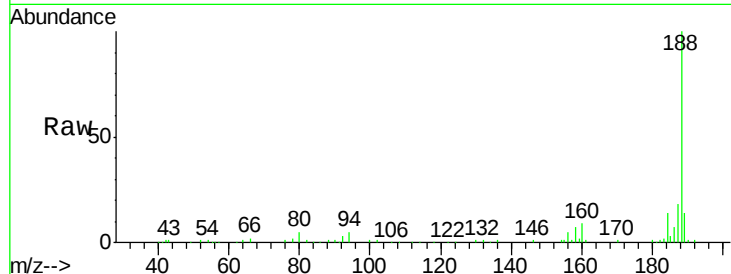




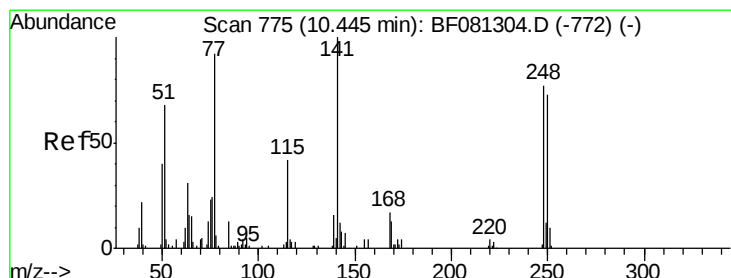
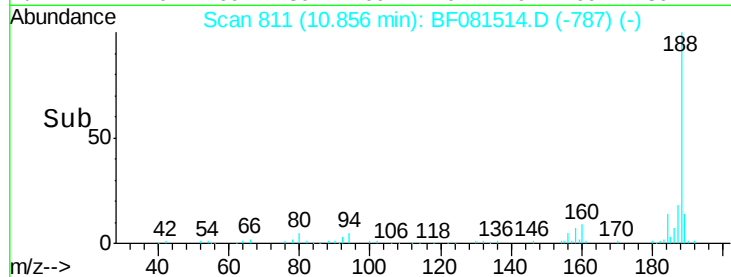
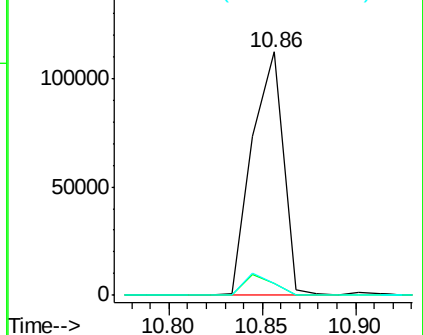
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.86 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

Instrument :
 BNA_F
 ClientSampled :
 SB-10

Tot Ion:188 Resp: 130340
 Ion Ratio Lower Upper
 188 100
 94 4.8 11.1 16.7#
 80 4.9 11.0 16.4#

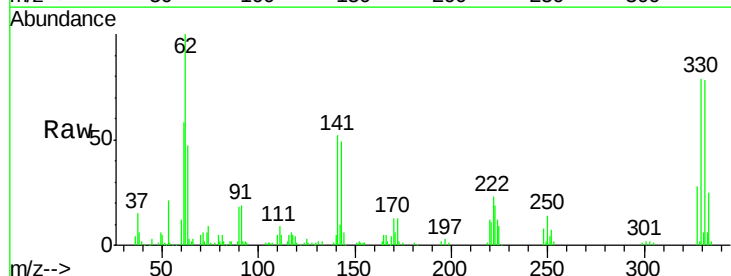


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

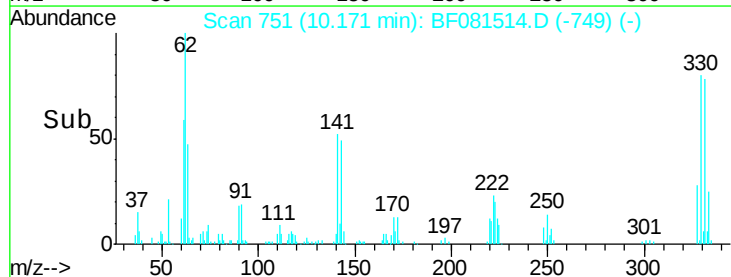
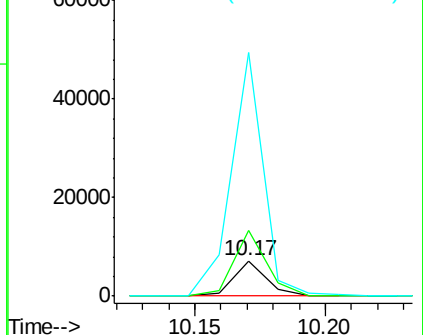


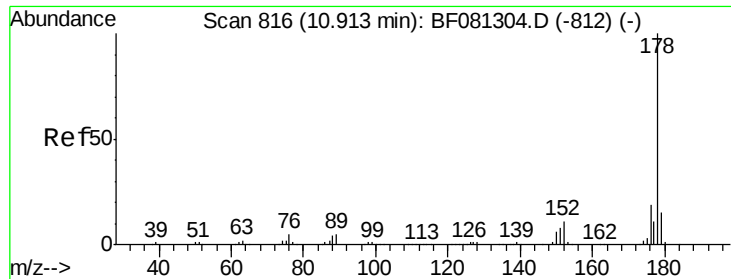
#66
 4-Bromophenyl-phenylether
 Concen: 4.79 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.27 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

Tgt Ion:248 Resp: 6310
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.5 117.7#
 141 690.4 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

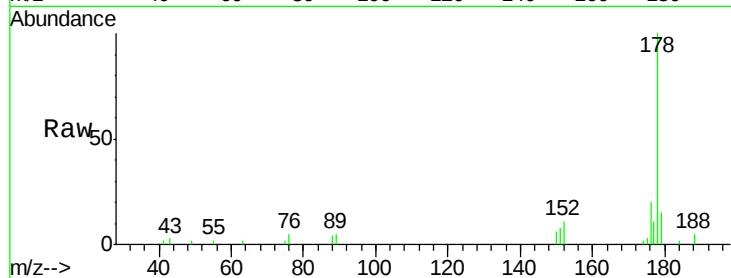




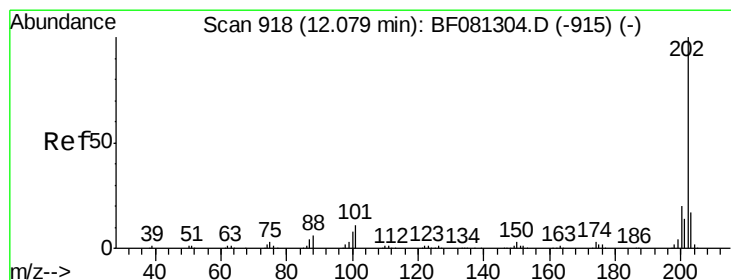
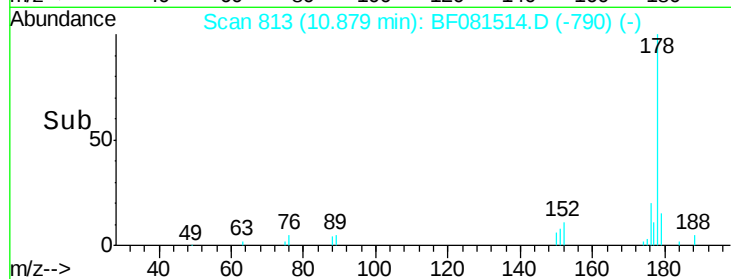
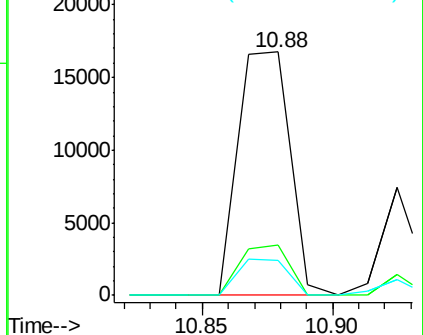
#70
Phenanthrene
Concen: 3.23 ng
RT: 10.88 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF081514.D
Acq: 6 Sep 2015 17:22

Instrument :
BNA_F
ClientSampleId :
SB-10

Tot Ion:178 Resp: 23395
Ion Ratio Lower Upper
178 100
176 20.4 13.8 20.8
179 14.5 12.2 18.2

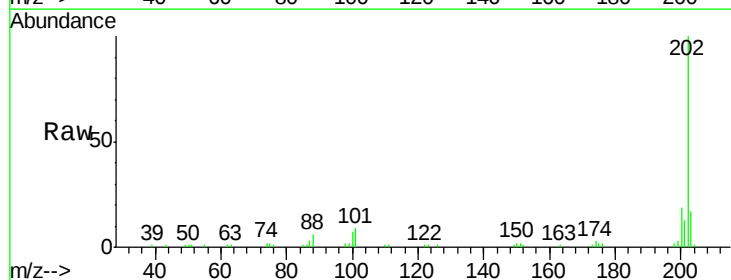


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

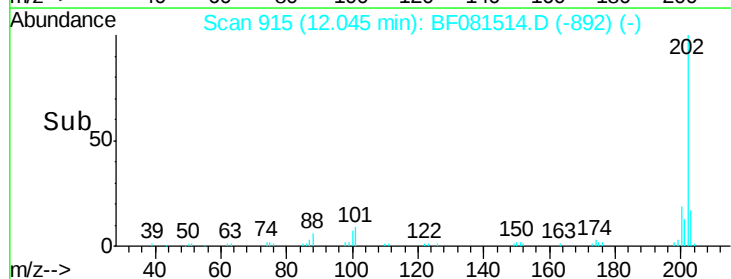
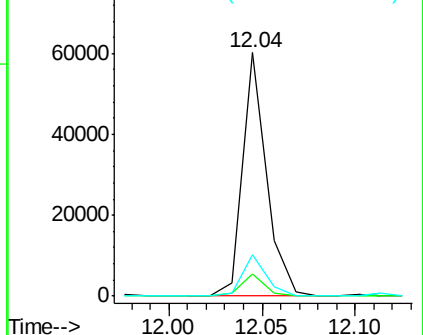


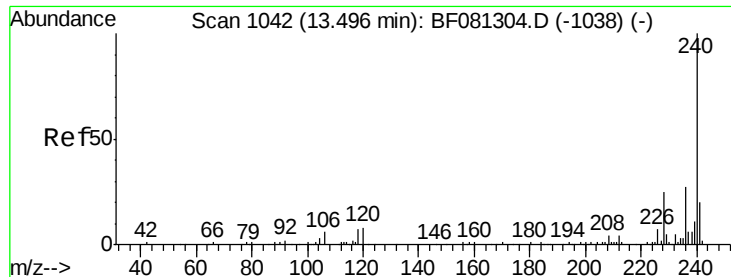
#74
Fluoranthene
Concen: 6.84 ng
RT: 12.04 min Scan# 915
Delta R.T. -0.03 min
Lab File: BF081514.D
Acq: 6 Sep 2015 17:22

Tgt Ion:202 Resp: 53652
Ion Ratio Lower Upper
202 100
101 9.0 0.0 38.3
203 17.2 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: 13.46 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

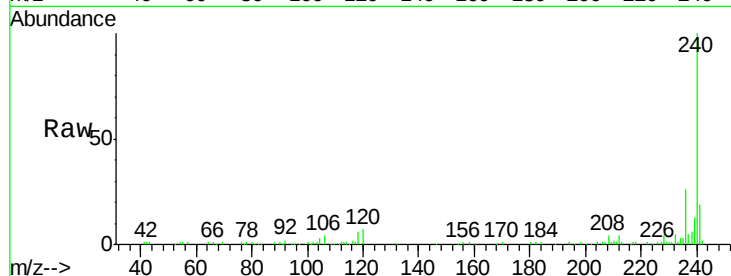
Tot Ion:240 Resp: 107584

Ion Ratio Lower Upper

240 100

120 6.7 16.2 24.2#

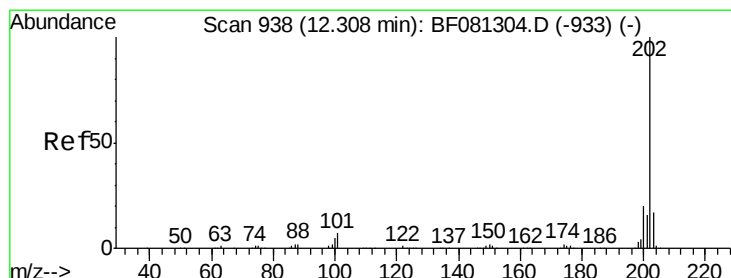
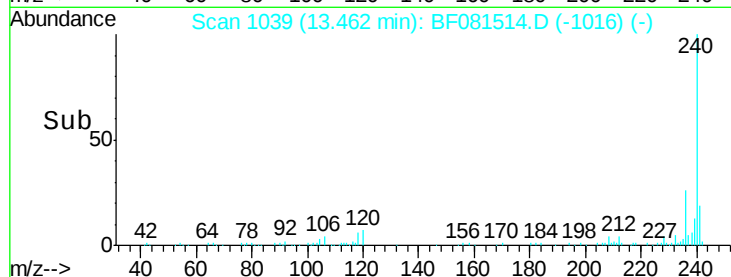
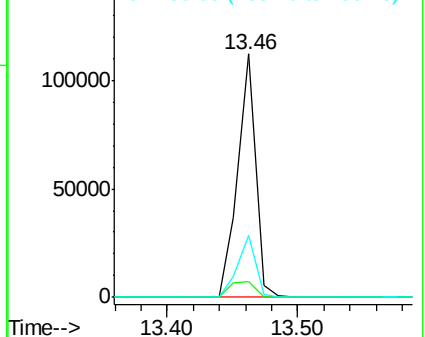
236 25.6 18.4 27.6



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

Pyrene

Concen: 5.65 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

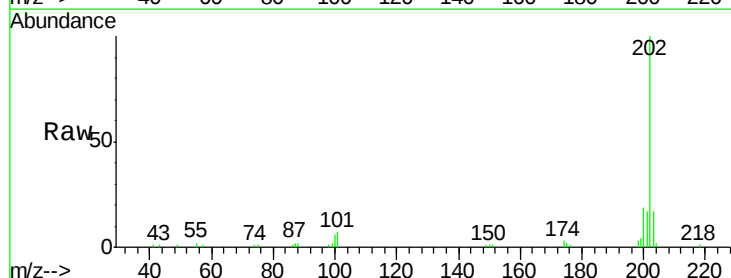
Tgt Ion:202 Resp: 44999

Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

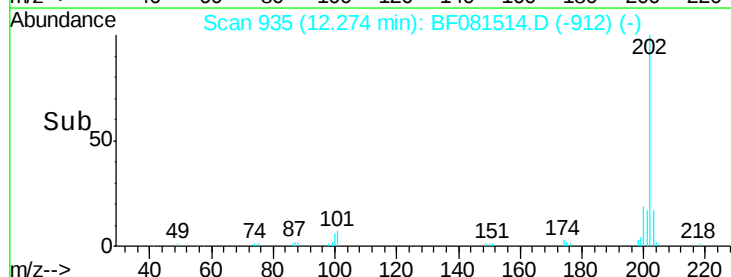
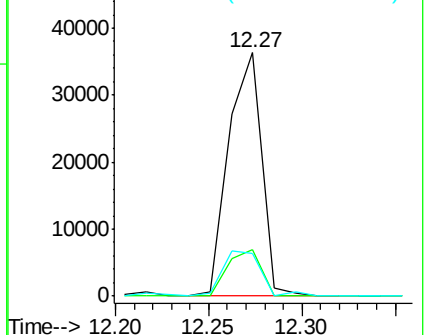
203 17.3 14.1 21.1

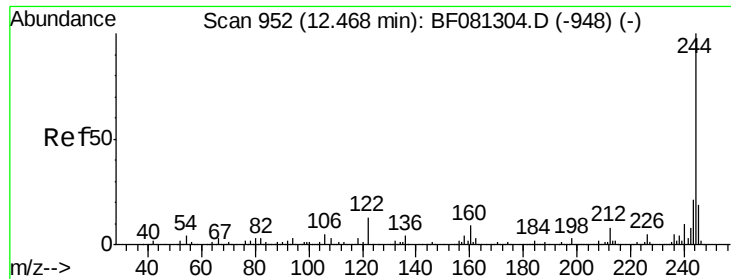


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

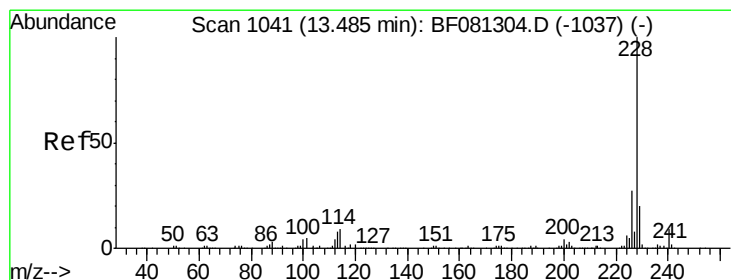
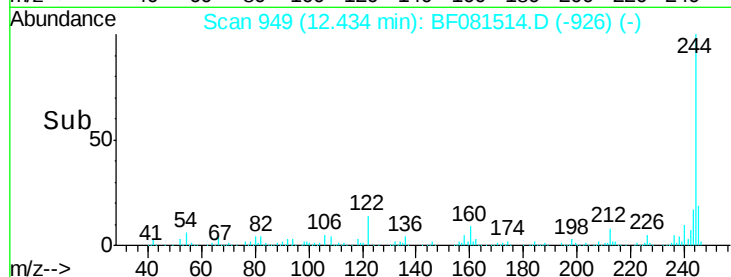
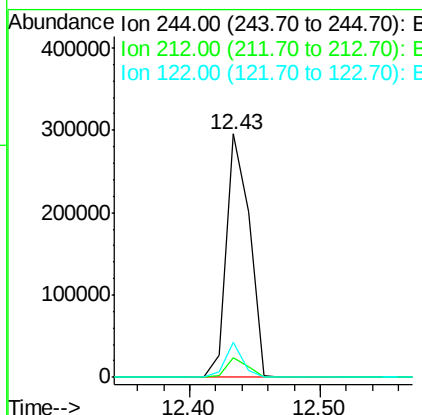
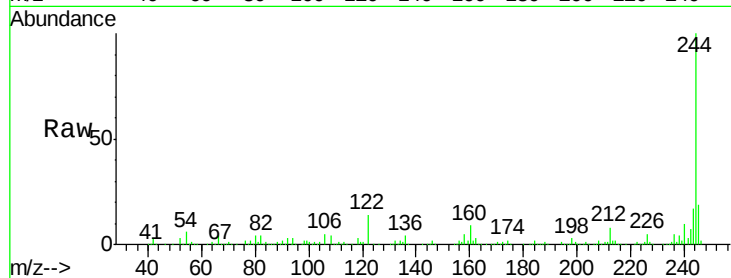




#78
 Terphenyl-d14
 Concen: 78.18 ng
 RT: 12.43 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

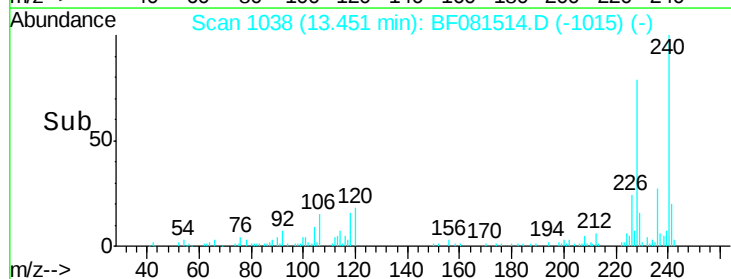
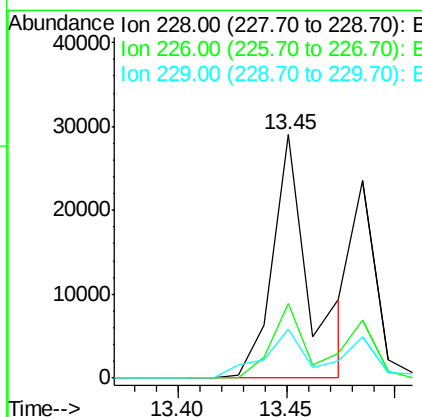
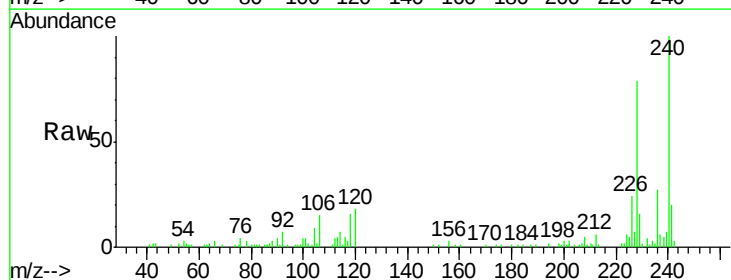
Instrument :
 BNA_F
 ClientSampleId :
 SB-10

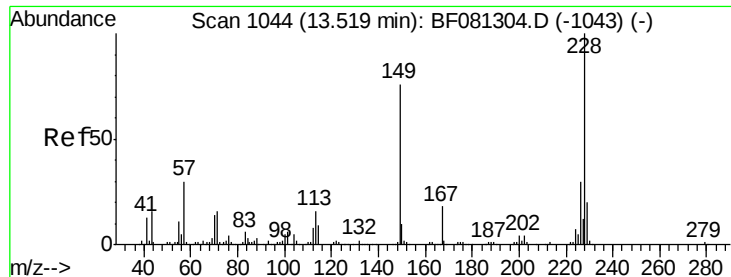
Tot Ion:244 Resp: 361342
 Ion Ratio Lower Upper
 244 100
 212 8.3 4.3 6.5#
 122 14.3 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 5.01 ng
 RT: 13.45 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF081514.D
 Acq: 6 Sep 2015 17:22

Tgt Ion:228 Resp: 34357
 Ion Ratio Lower Upper
 228 100
 226 30.6 20.0 30.0#
 229 19.9 15.4 23.2





#82

Chrysene

Concen: 5.59 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

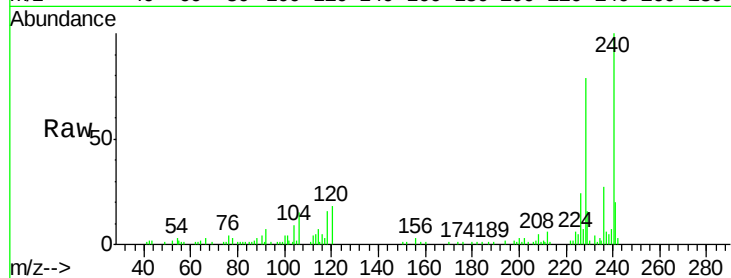
BNA_F

ClientSampleId :

SB-10

Tot Ion:228 Resp: 34357

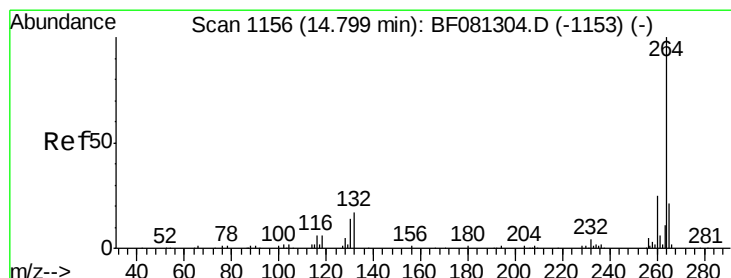
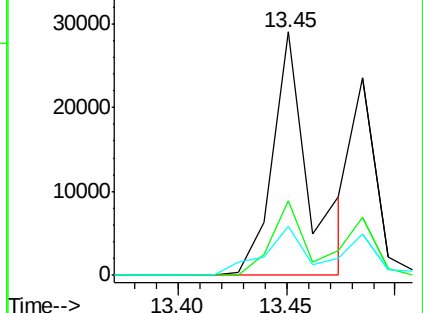
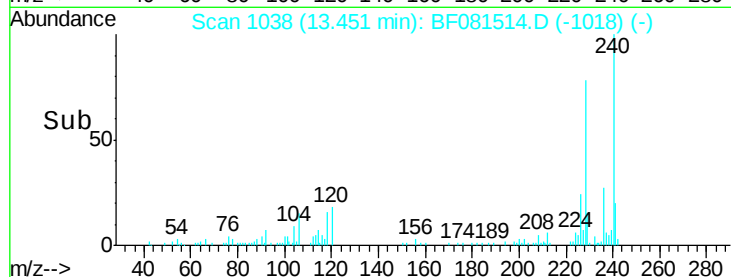
Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.0	31.4
229	19.9	15.6	23.4



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: 14.77 min Scan# 1153

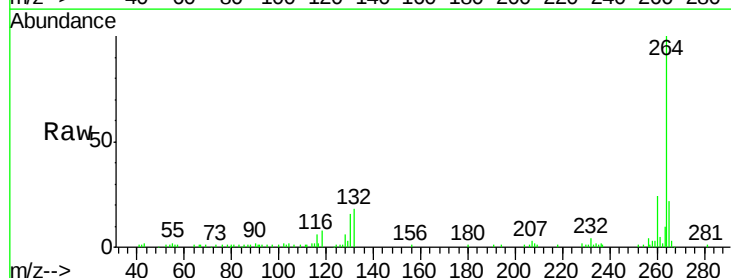
Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Tgt Ion:264 Resp: 76891

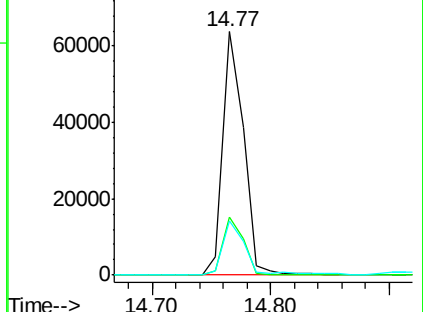
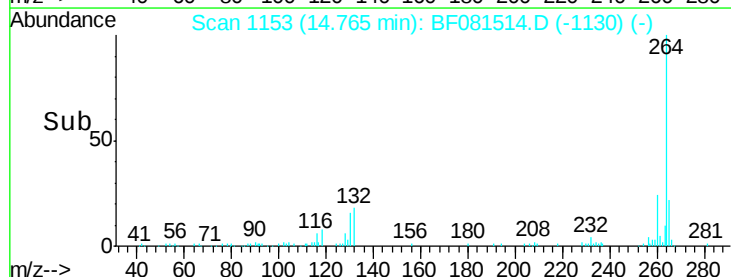
Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	22.1	17.2	25.8

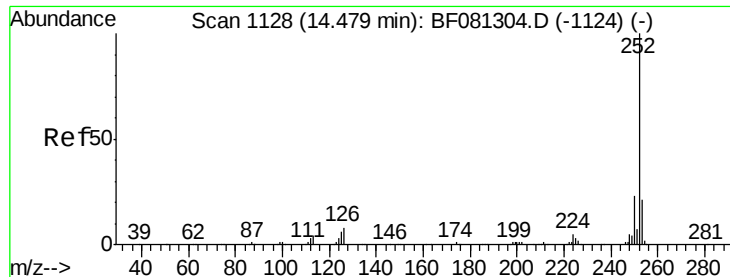


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.48 ng

RT: 14.45 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampled :

SB-10

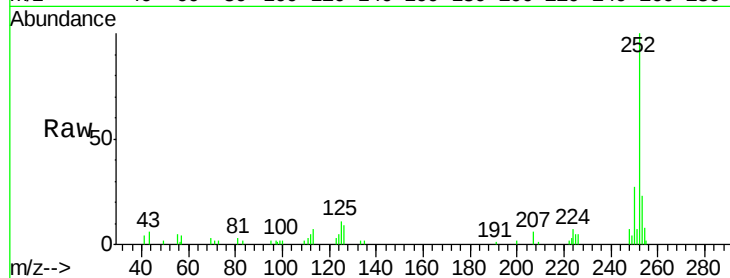
Tot Ion:252 Resp: 35559

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

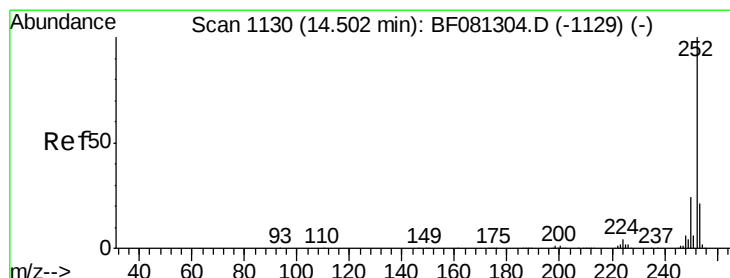
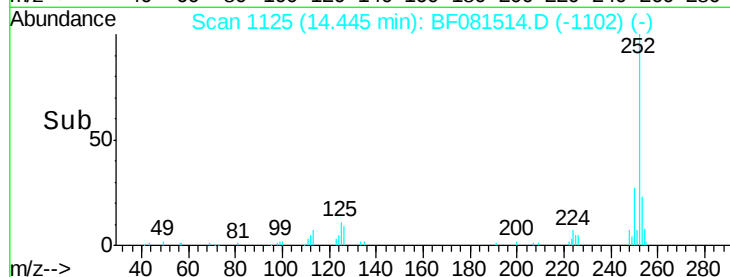
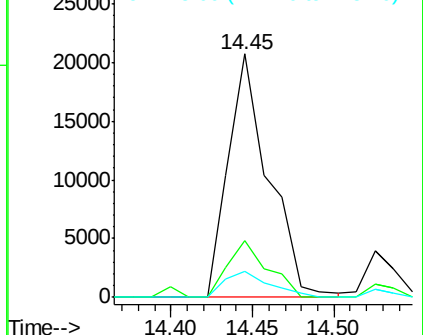
125 10.6 17.1 25.7#



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: 7.81 ng

RT: 14.45 min Scan# 1125

Delta R.T. -0.06 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

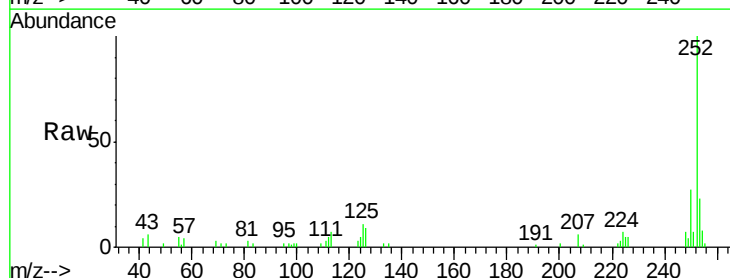
Tgt Ion:252 Resp: 35559

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

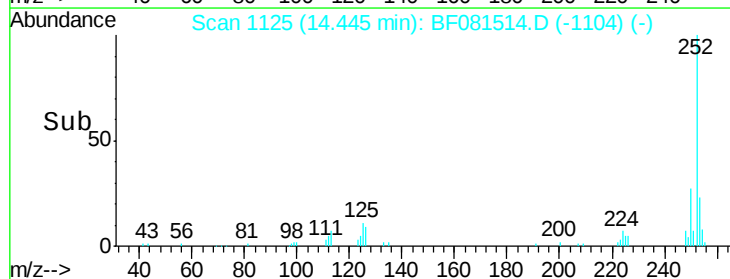
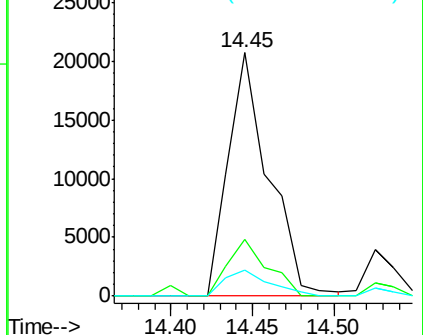
125 10.6 16.0 24.0#

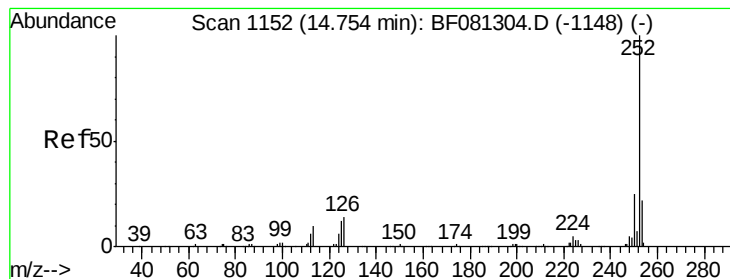


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.98 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF081514.D

Acq: 6 Sep 2015 17:22

Instrument :

BNA_F

ClientSampleId :

SB-10

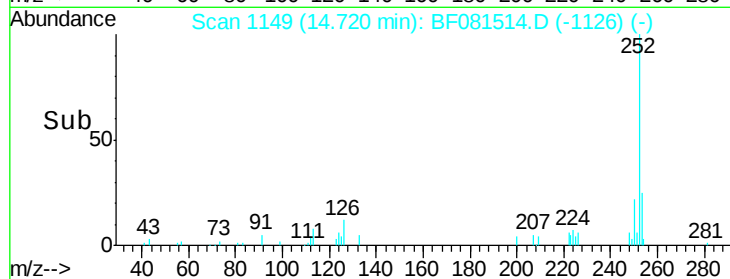
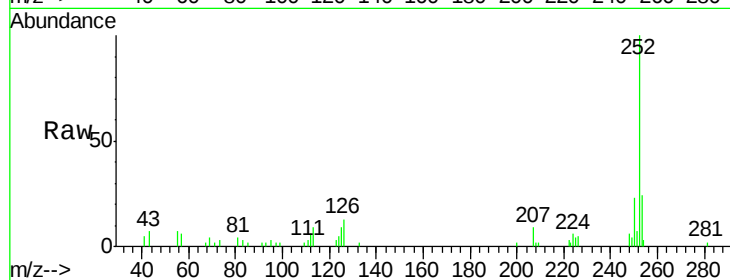
Tot Ion:252 Resp: 18533

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

125 8.5 18.0 27.0#



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

