

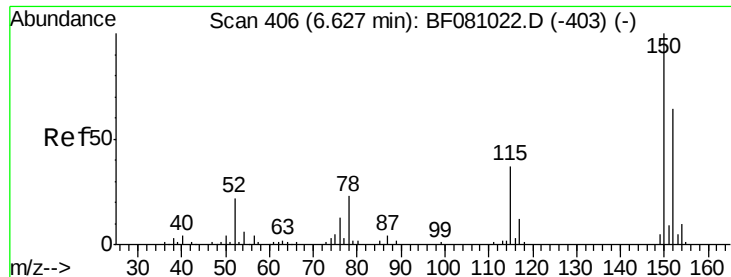
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081263.D
 Acq On : 28 Aug 2015 5:14
 Operator : UM/IZ
 Sample : G3430-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Quant Time: Aug 28 05:51:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	49177	20.00	ng	-0.04
21) Naphthalene-d8	7.79	136	191507	20.00	ng	-0.04
38) Acenaphthene-d10	9.53	164	95862	20.00	ng	-0.05
63) Phenanthrene-d10	10.99	188	172929	20.00	ng	-0.05
75) Chrysene-d12	13.61	240	123658	20.00	ng	-0.05
86) Perylene-d12	14.94	264	95557	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	323696	99.00	ng	-0.04
7) Phenol-d6	6.16	99	493136	115.60	ng	-0.04
23) Nitrobenzene-d5	7.07	82	270510	64.53	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	94600	113.84	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	413522	56.52	ng	-0.04
78) Terphenyl-d14	12.58	244	358480	62.15	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	9511	3.46	ng	88
19) n-Nitroso-di-n-propylamine	7.07	70	35947	12.16	ng	# 71
48) Acenaphthylene	9.39	152	35507	2.93	ng	99
49) Dimethylphthalate	9.27	163	66265	8.39	ng	100
56) 2,4-Dinitrotoluene	9.53	165	12064	5.37	ng	# 16
66) 4-Bromophenyl-phenylether	10.32	248	7090	4.17	ng	# 1
70) Phenanthrene	11.02	178	125261	12.22	ng	99
71) Anthracene	11.07	178	33897	3.40	ng	98
72) Carbazole	11.23	167	35879	3.74	ng	98
74) Fluoranthene	12.21	202	448838	40.59	ng	98
77) Pyrene	12.42	202	335761	33.40	ng	99
80) Benzo(a)anthracene	13.60	228	194052	23.40	ng	94
82) Chrysene	13.60	228	194052	25.96	ng	97
83) Bis(2-ethylhexyl)phthalate	13.62	149	26115	4.72	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.09	276	77156	14.70	ng	95
87) Benzo(b)fluoranthene	14.60	252	225052	33.30	ng	# 96
88) Benzo(k)fluoranthene	14.60	252	225052	35.73	ng	98
89) Benzo(a)pyrene	14.89	252	105478	17.91	ng	95
91) Benzo(g,h,i)perylene	16.44	276	66656	14.32	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 417

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

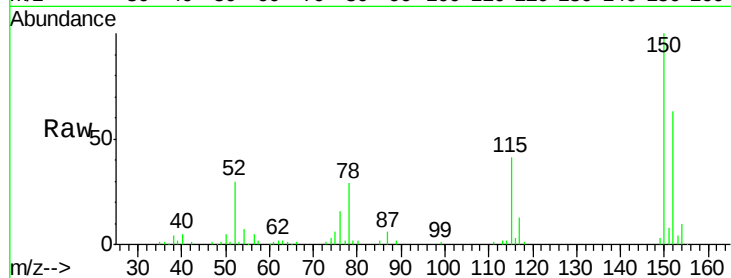
Tgt Ion:152 Resp: 49177

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

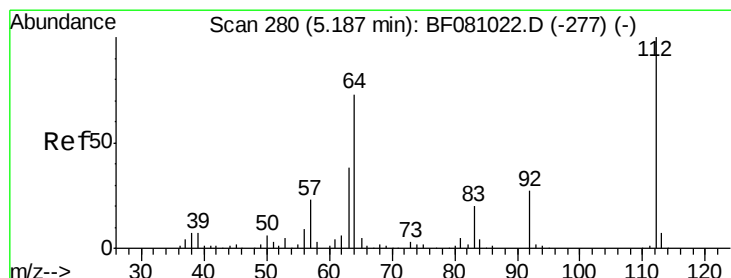
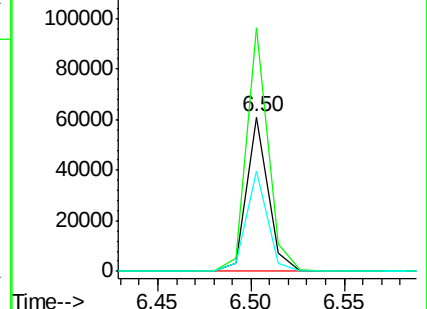
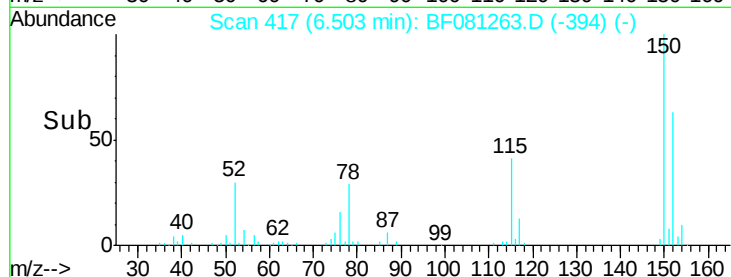
115 64.6 52.1 78.1



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: 99.00 ng

RT: 5.06 min Scan# 291

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

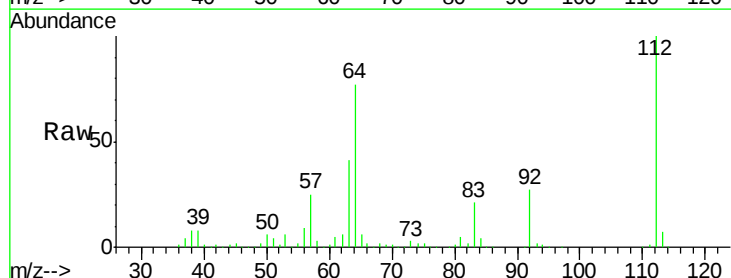
Tgt Ion:112 Resp: 323696

Ion Ratio Lower Upper

112 100

64 77.1 66.9 100.3

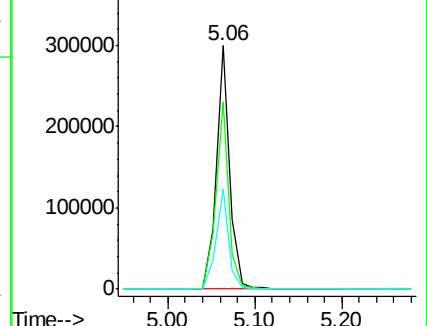
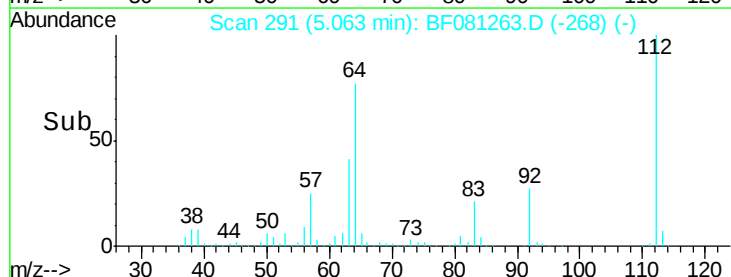
63 41.2 38.1 57.1



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: 115.60 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

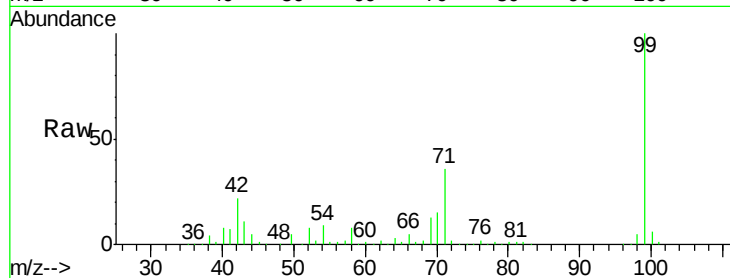
Tgt Ion: 99 Resp: 493136

Ion Ratio Lower Upper

99 100

42 21.8 19.6 29.4

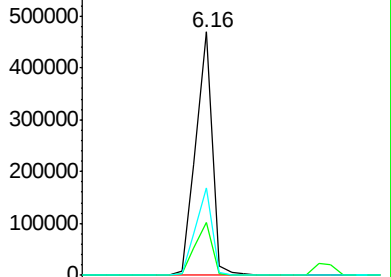
71 35.9 31.2 46.8



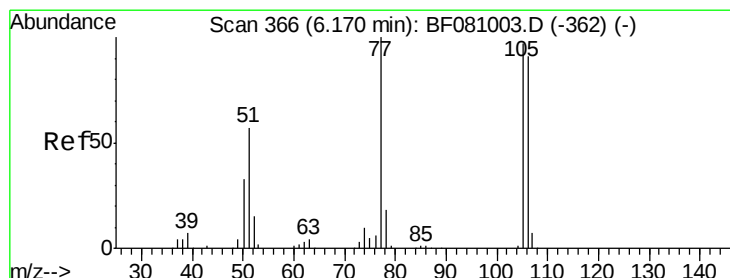
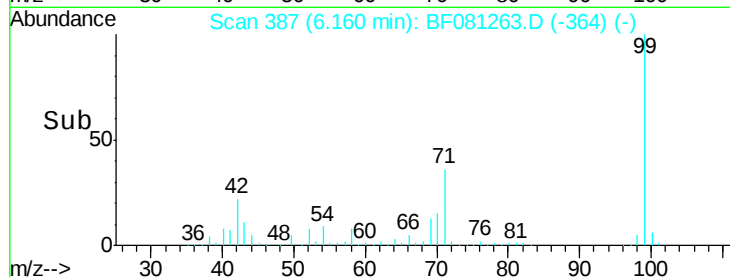
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 3.46 ng

RT: 6.27 min Scan# 397

Delta R.T. 0.19 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

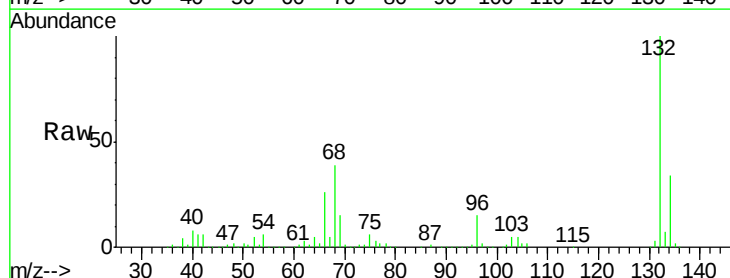
Tgt Ion: 77 Resp: 9511

Ion Ratio Lower Upper

77 100

105 79.4 69.6 109.6

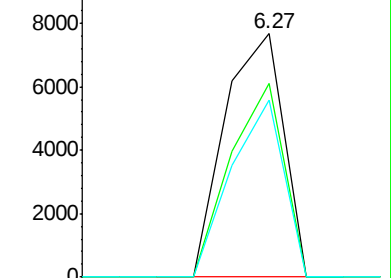
106 72.8 64.0 104.0



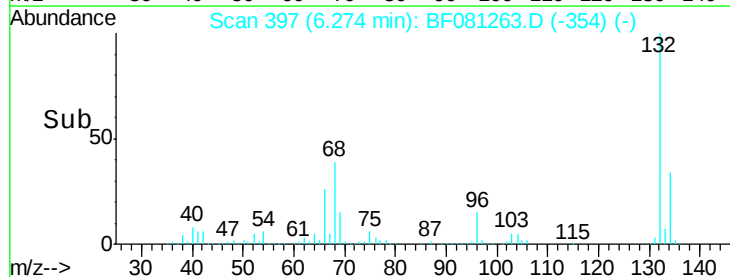
Abundance Ion 77.00 (76.70 to 77.70): BF0

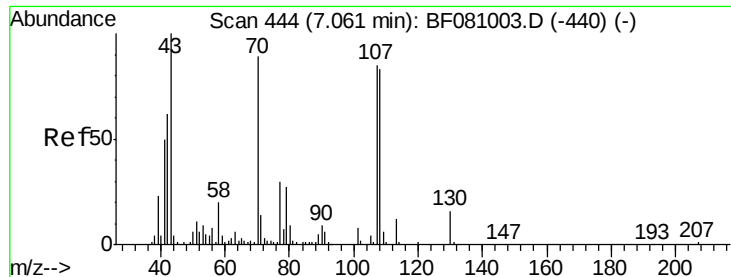
Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



Time-->

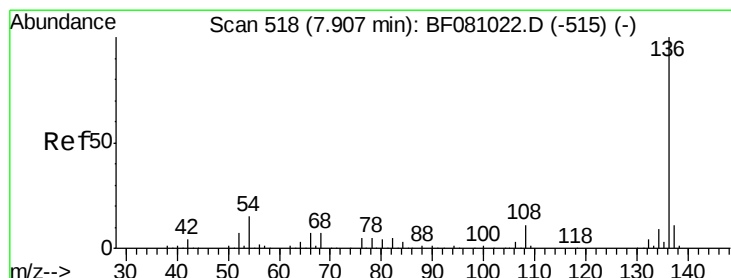
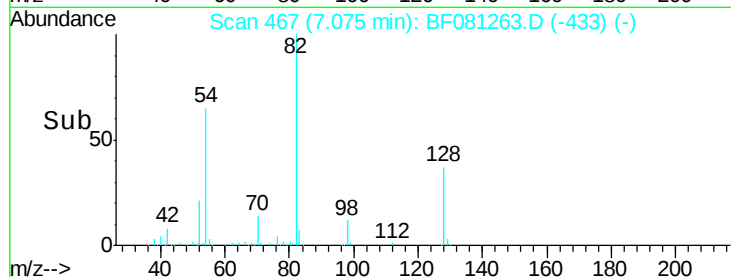
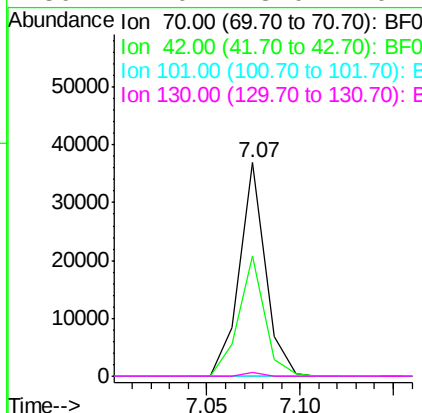
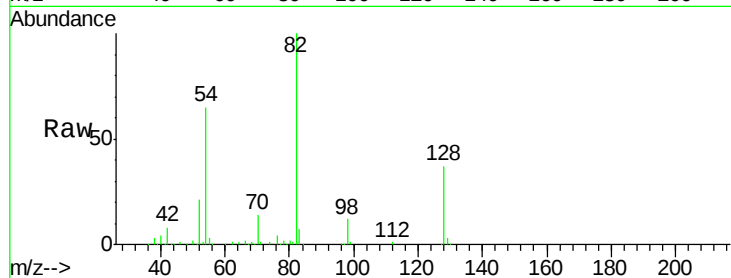




#19
n-Nitroso-di-n-propylamine
Concen: 12.16 ng
RT: 7.07 min Scan# 467
Delta R.T. 0.09 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

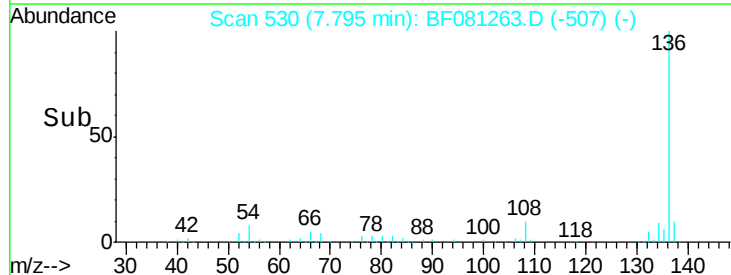
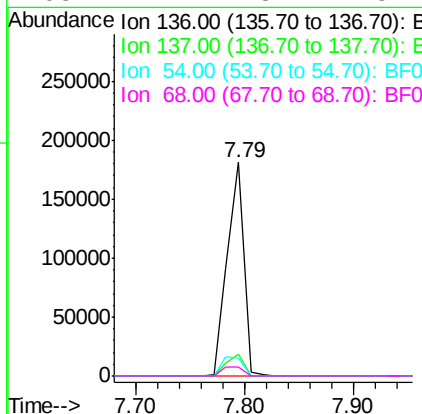
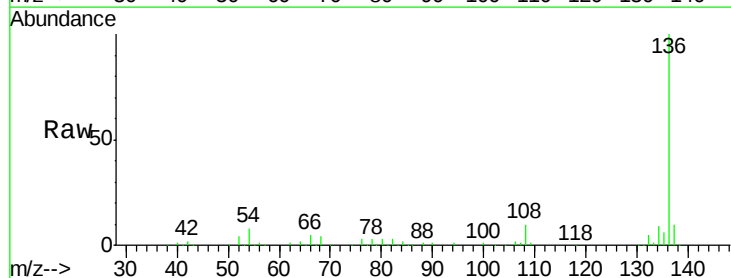
Instrument :
BNA_F
ClientSampled :
SB3(3-4)

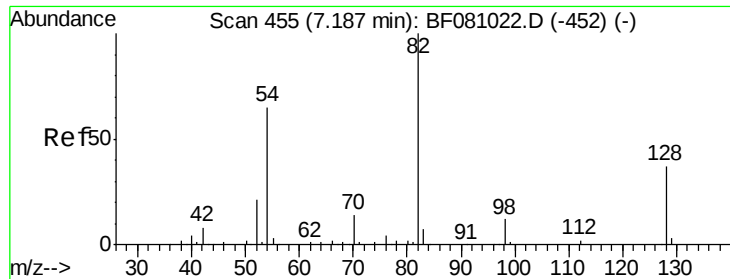
Tgt Ion: 70 Resp: 35947
Ion Ratio Lower Upper
70 100
42 56.2 65.0 97.4#
101 0.0 7.4 11.2#
130 2.0 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 530
Delta R.T. -0.04 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion: 136 Resp: 191507
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.2
54 8.3 7.7 11.5
68 4.4 3.4 5.2

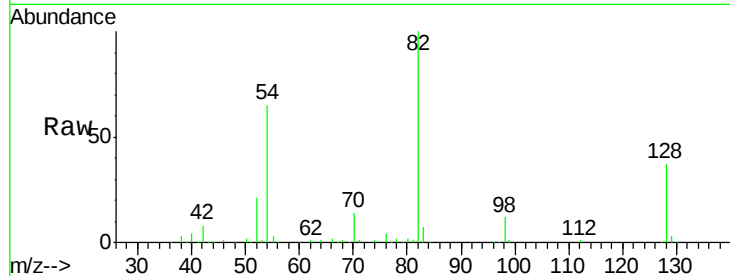




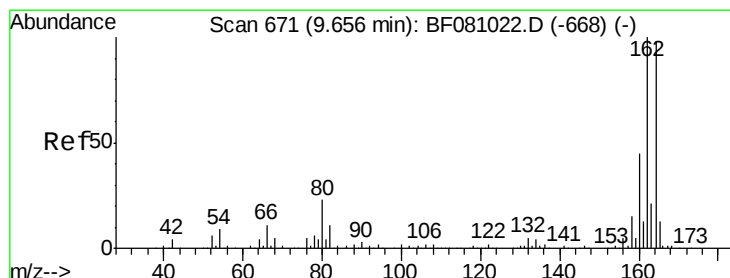
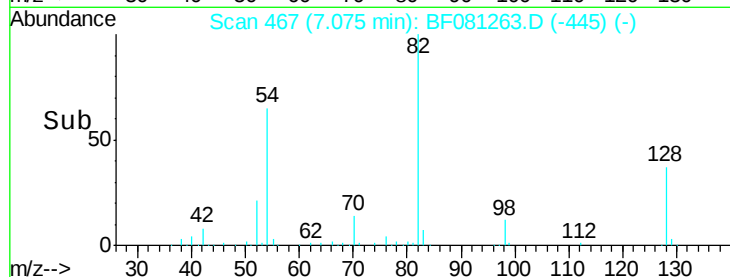
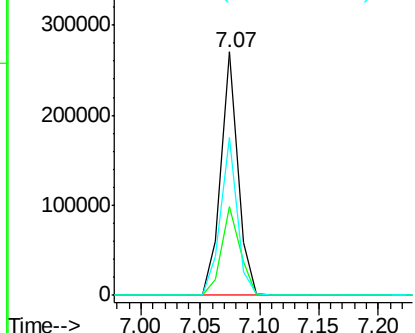
#23
 Nitrobenzene-d5
 Concen: 64.53 ng
 RT: 7.07 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Tgt Ion: 82 Resp: 270510
 Ion Ratio Lower Upper
 82 100
 128 36.7 28.6 42.8
 54 65.0 55.1 82.7

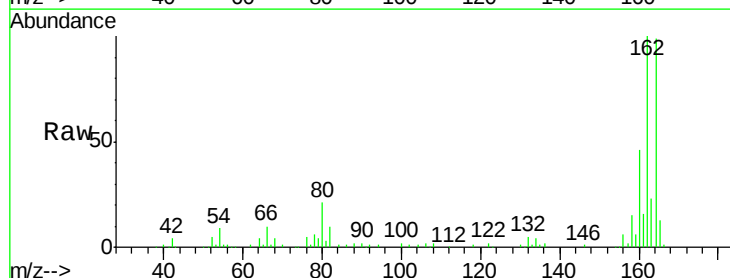


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

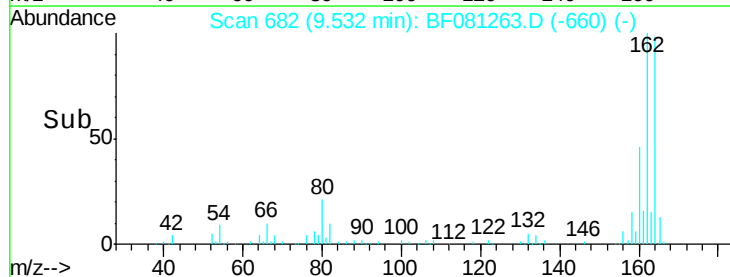
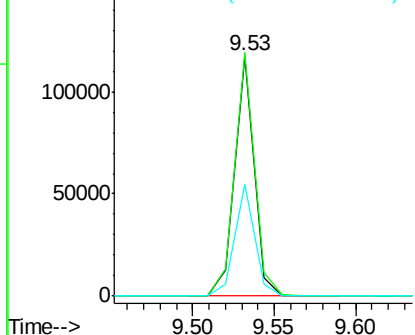


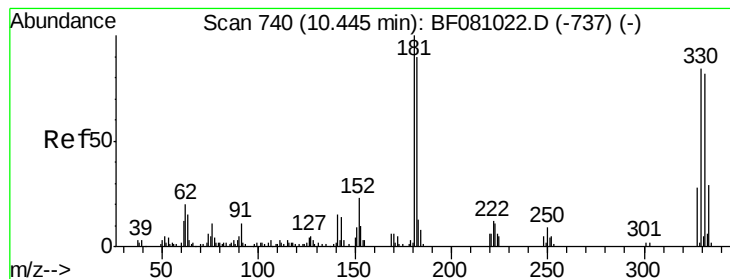
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 682
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Tgt Ion: 164 Resp: 95862
 Ion Ratio Lower Upper
 164 100
 162 101.4 83.8 125.8
 160 46.3 39.8 59.8



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: 113.84 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

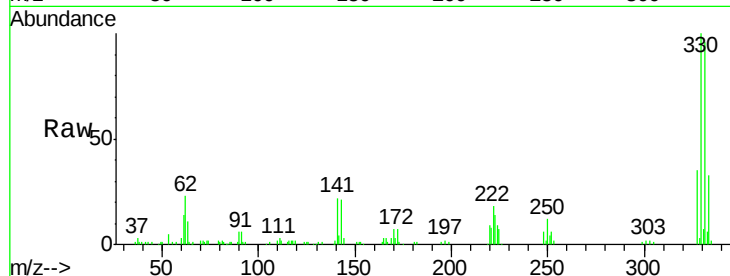
Tgt Ion:330 Resp: 94600

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

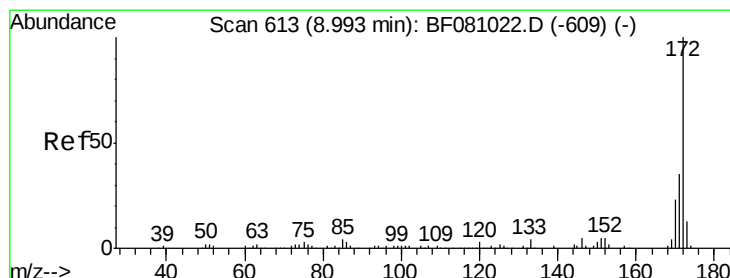
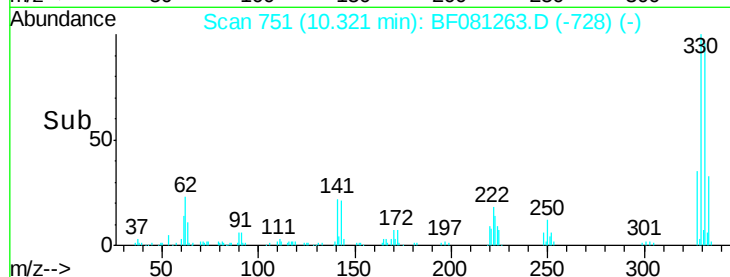
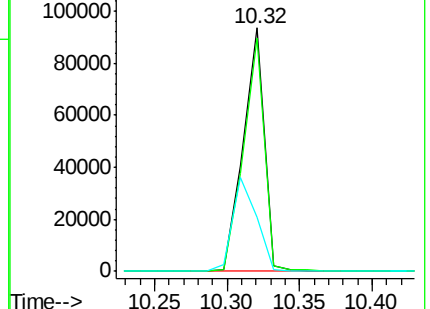
141 43.8 44.9 67.3#



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: 56.52 ng

RT: 8.87 min Scan# 624

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

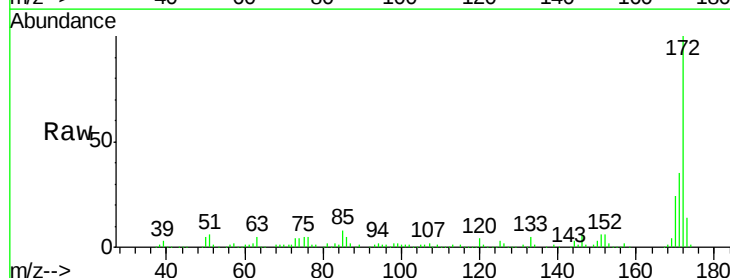
Tgt Ion:172 Resp: 413522

Ion Ratio Lower Upper

172 100

171 35.3 28.9 43.3

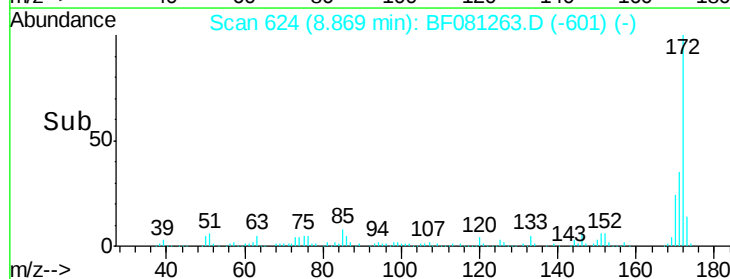
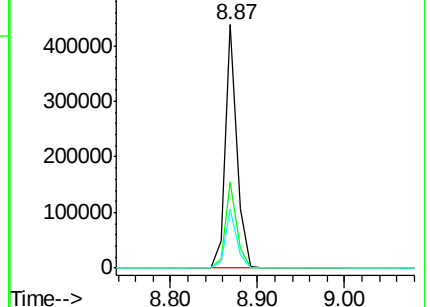
170 24.5 19.4 29.2

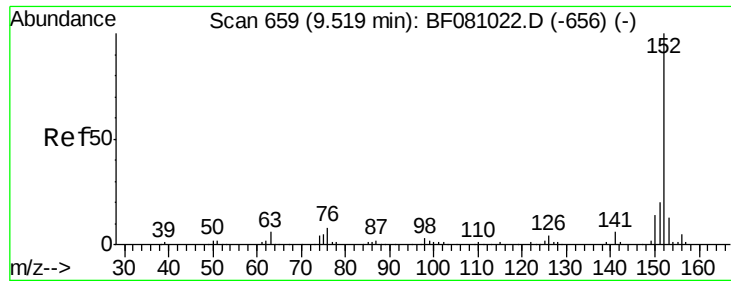


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.93 ng

RT: 9.39 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

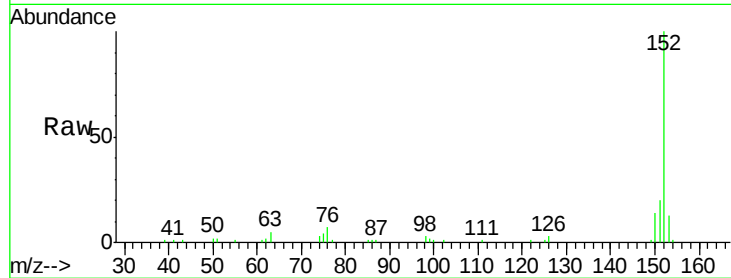
Tgt Ion:152 Resp: 35507

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

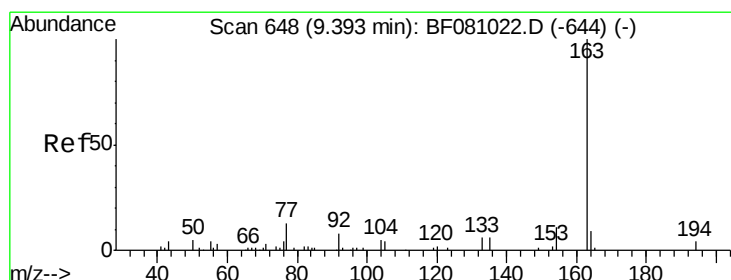
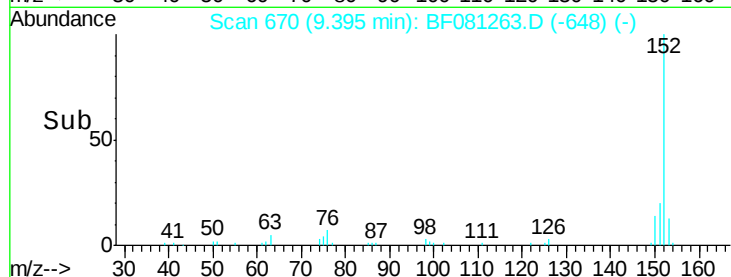
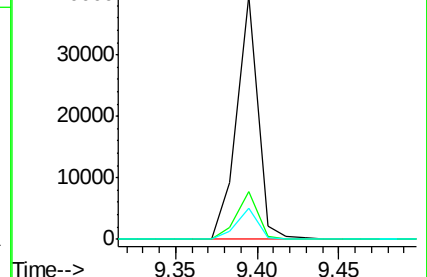
153 13.0 9.8 14.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.39 ng

RT: 9.27 min Scan# 659

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

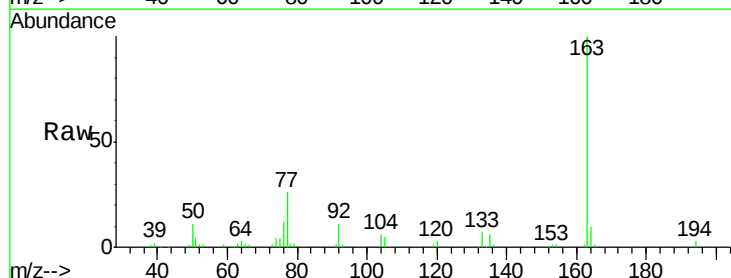
Tgt Ion:163 Resp: 66265

Ion Ratio Lower Upper

163 100

194 2.9 2.5 3.7

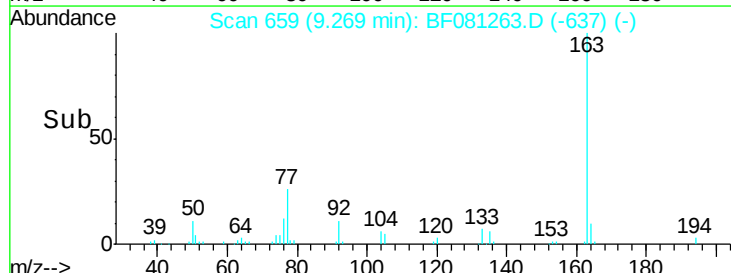
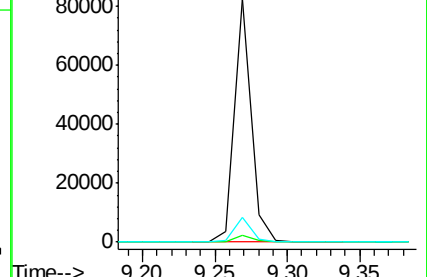
164 10.1 8.1 12.1

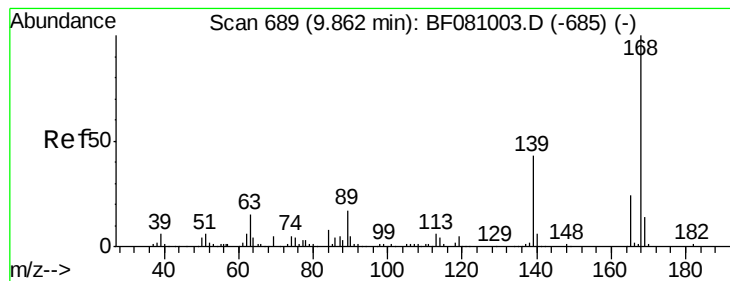


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.37 ng

RT: 9.53 min Scan# 682

Delta R.T. -0.24 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

Tgt Ion:165 Resp: 12064

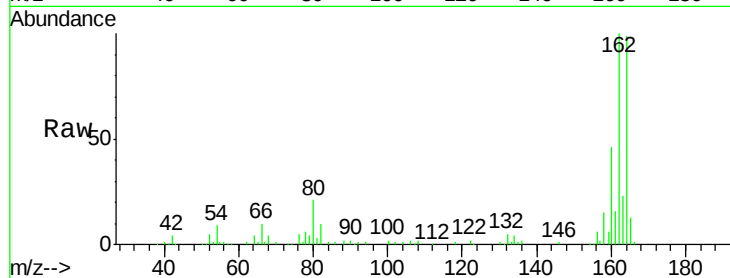
Ion Ratio Lower Upper

165 100

63 0.0 52.2 78.4#

89 0.0 60.1 90.1#

182 0.0 1.8 2.6#

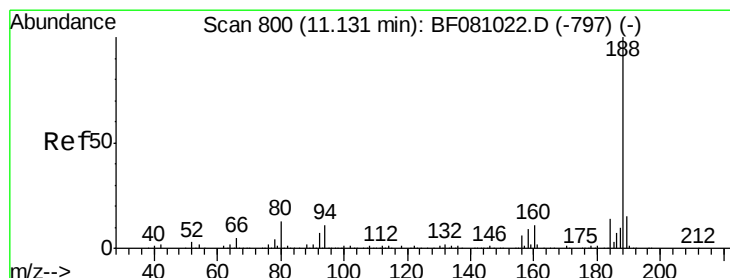
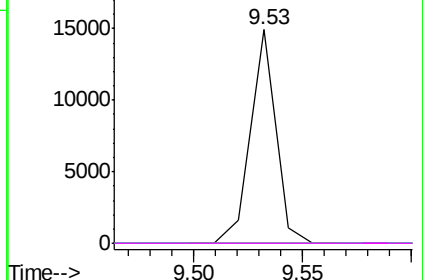
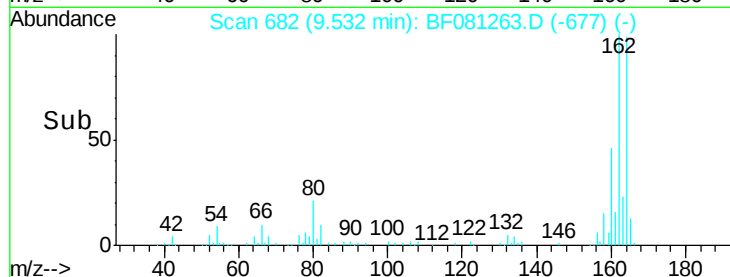


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.99 min Scan# 810

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

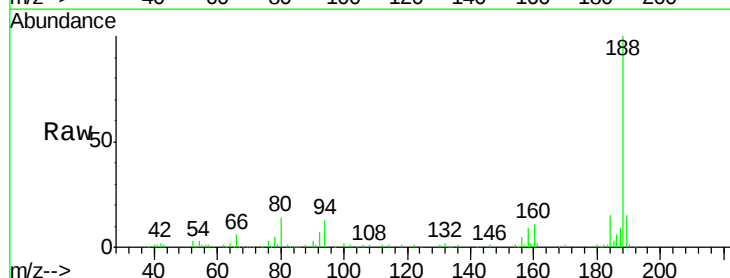
Tgt Ion:188 Resp: 172929

Ion Ratio Lower Upper

188 100

94 12.7 8.2 12.2#

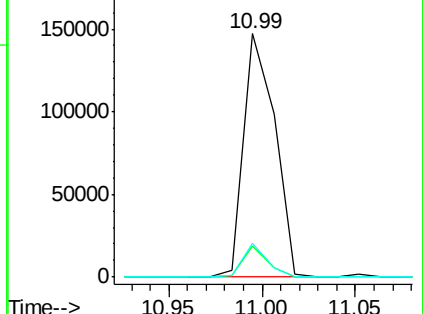
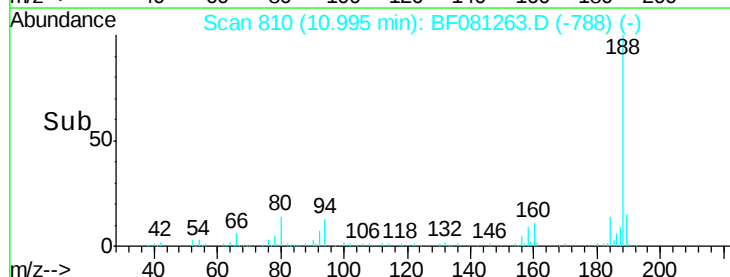
80 13.8 9.5 14.3

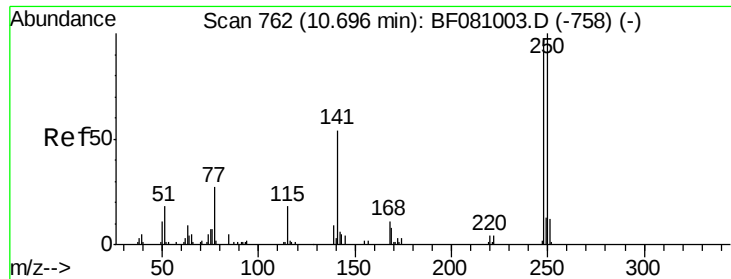


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

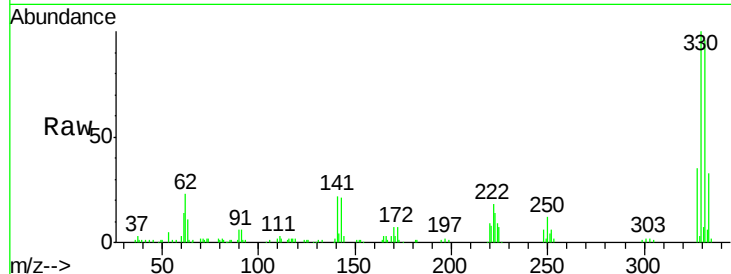




#66
 4-Bromophenyl-phenylether
 Concen: 4.17 ng
 RT: 10.32 min Scan# 751
 Delta R.T. -0.28 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SB3(3-4)

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.5	77.8	116.6#
141	352.2	39.8	59.6#

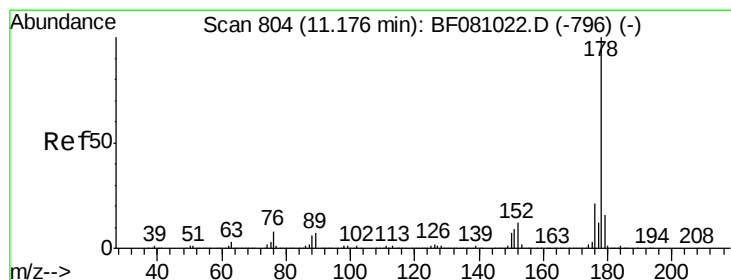
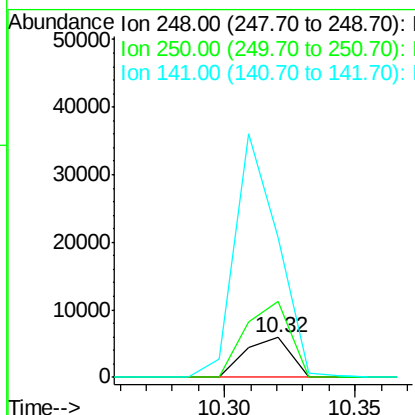
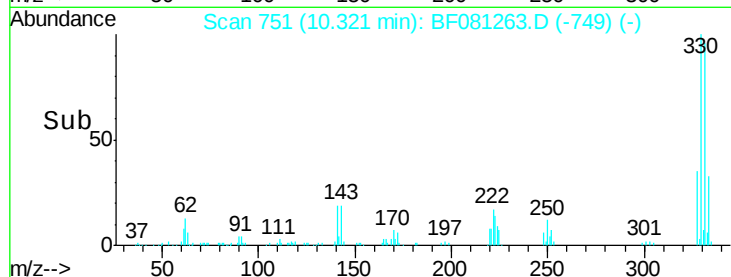


Abundance

Ion 248.00 (247.70 to 248.70): E

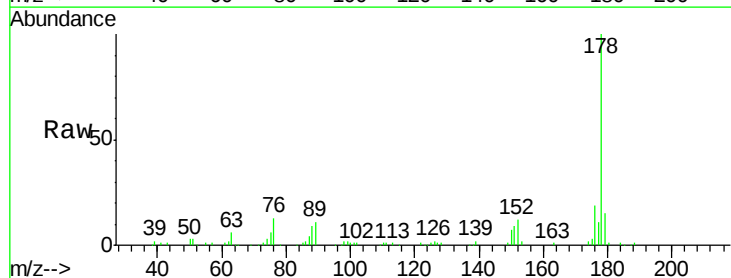
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 12.22 ng
 RT: 11.02 min Scan# 812
 Delta R.T. -0.05 min
 Lab File: BF081263.D
 Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	14.9	12.2	18.2

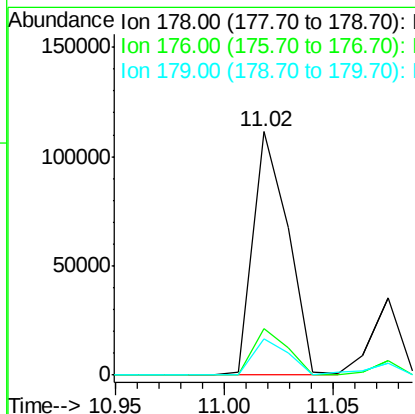
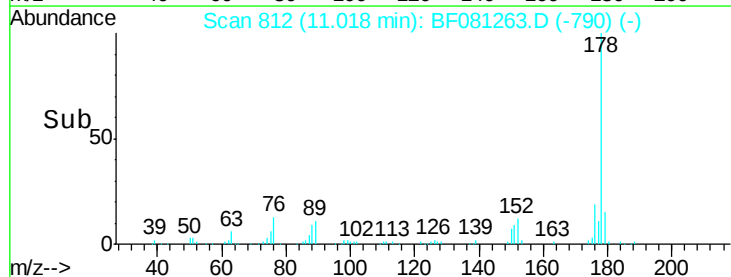


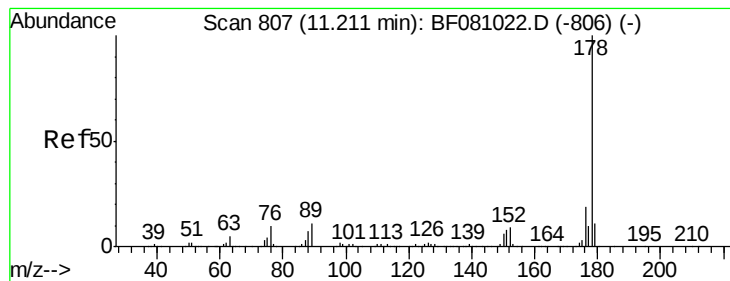
Abundance

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: 3.40 ng

RT: 11.07 min Scan# 817

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

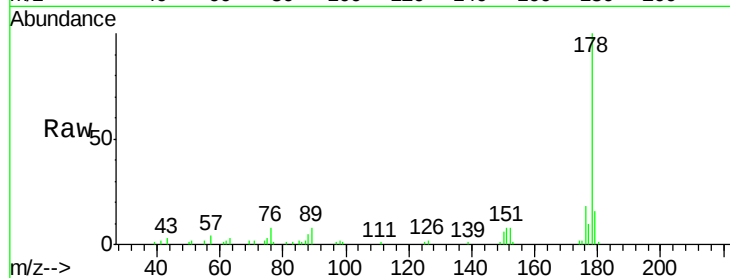
Tgt Ion:178 Resp: 33897

Ion Ratio Lower Upper

178 100

176 18.0 15.7 23.5

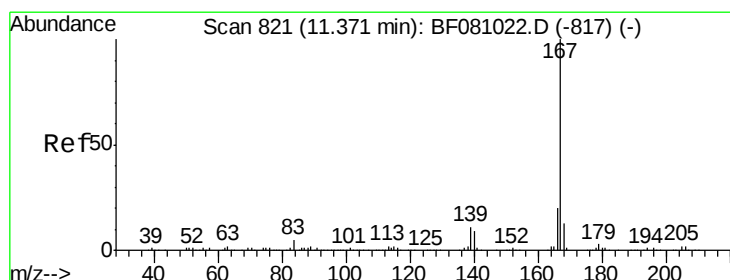
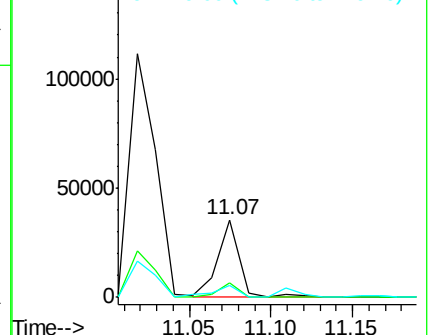
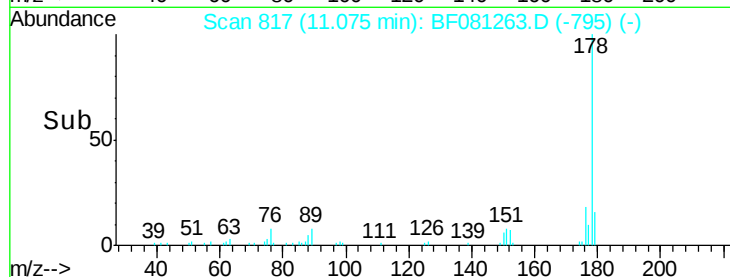
179 15.9 12.7 19.1



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



#72

Carbazole

Concen: 3.74 ng

RT: 11.23 min Scan# 831

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

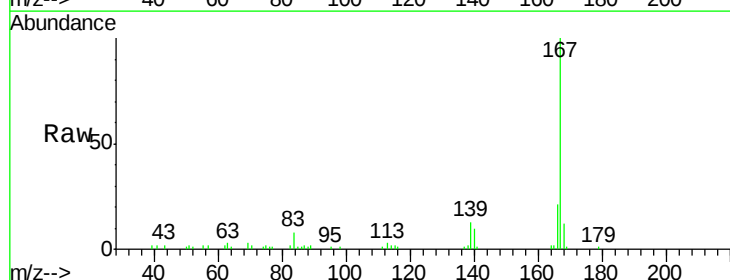
Tgt Ion:167 Resp: 35879

Ion Ratio Lower Upper

167 100

166 20.7 17.4 26.0

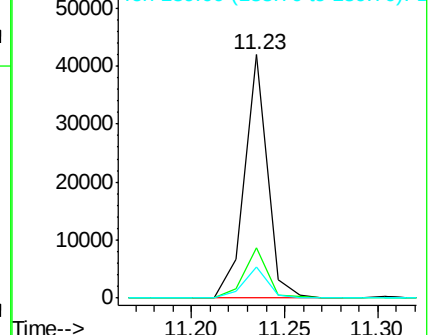
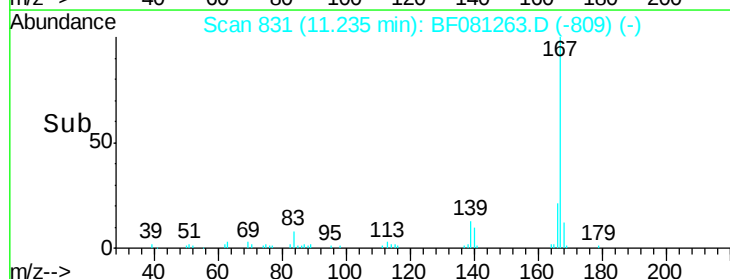
139 12.9 10.6 16.0

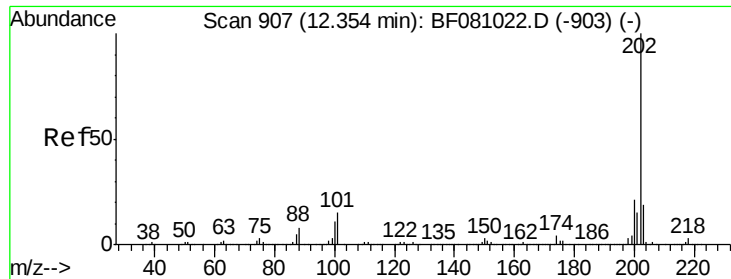


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 40.59 ng

RT: 12.21 min Scan# 916

Delta R.T. -0.04 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

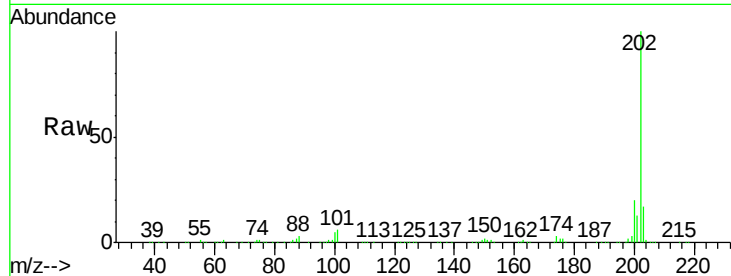
Tgt Ion: 202 Resp: 448838

Ion Ratio Lower Upper

202 100

101 6.1 0.0 24.8

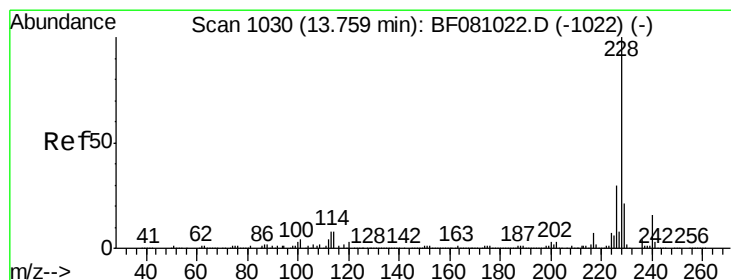
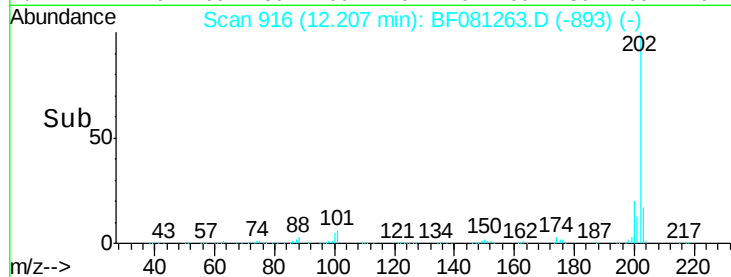
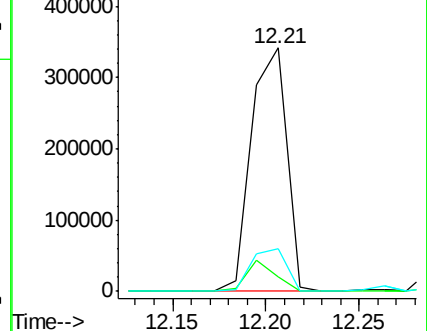
203 17.3 0.0 36.9



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: 13.61 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

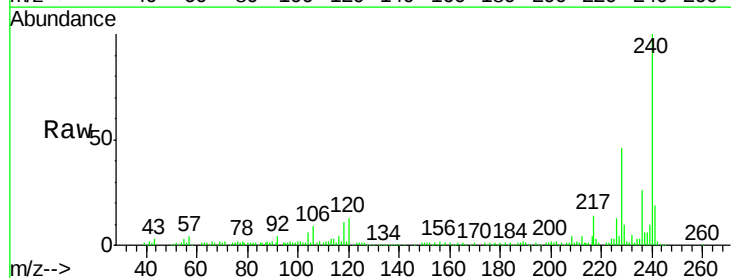
Tgt Ion: 240 Resp: 123658

Ion Ratio Lower Upper

240 100

120 13.4 5.6 8.4#

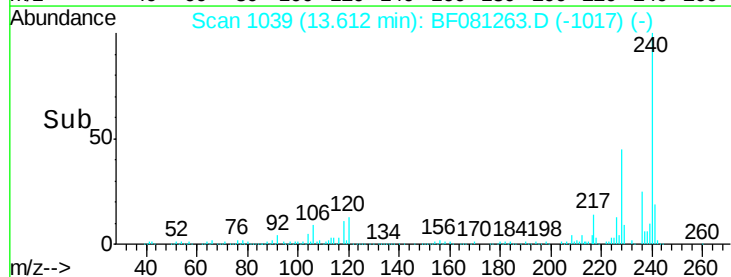
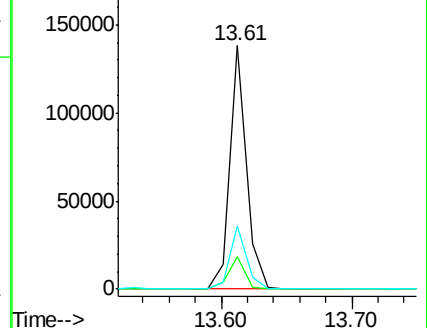
236 25.8 20.6 30.8

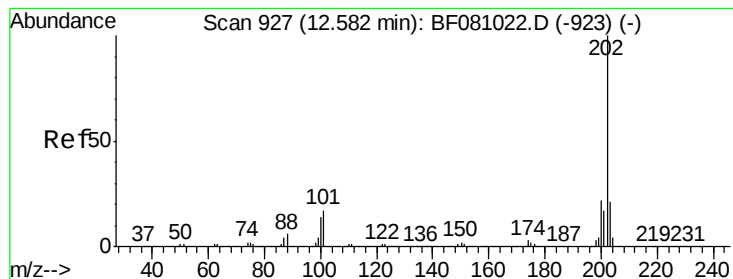


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 33.40 ng

RT: 12.42 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

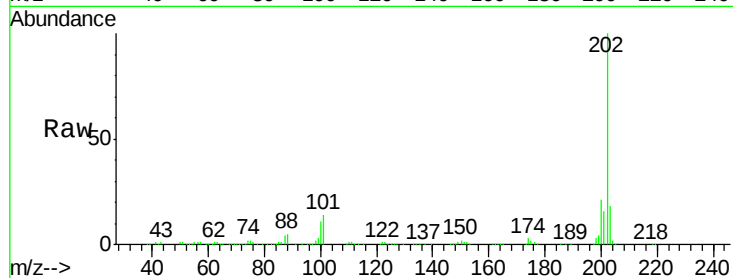
Tgt Ion:202 Resp: 335761

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

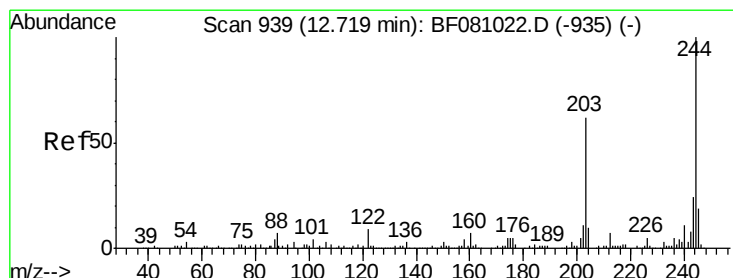
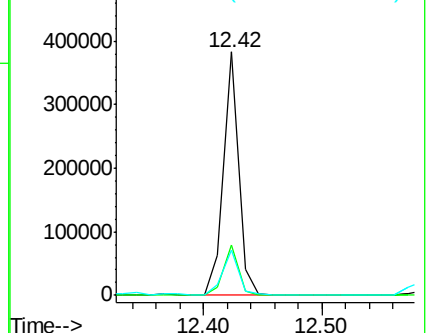
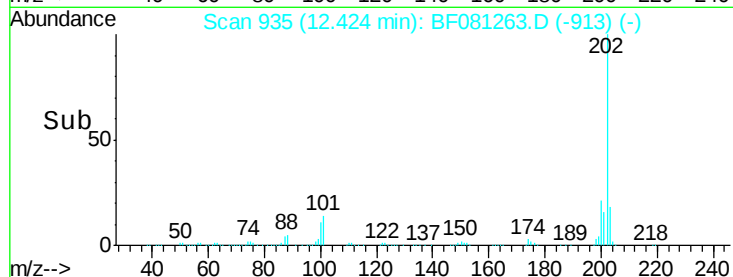
203 18.4 14.1 21.1



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: 62.15 ng

RT: 12.58 min Scan# 949

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

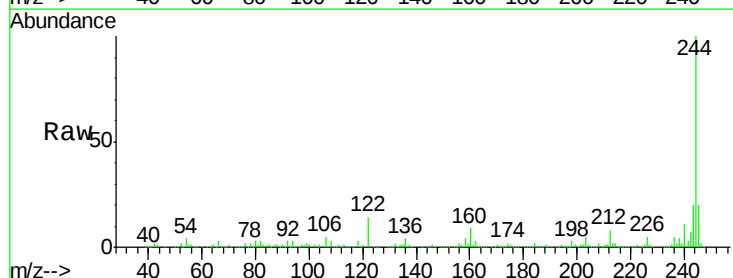
Tgt Ion:244 Resp: 358480

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

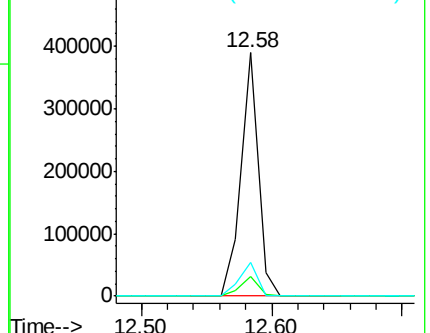
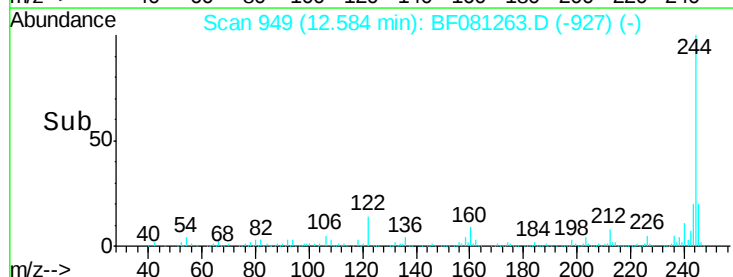
122 13.9 8.2 12.4#

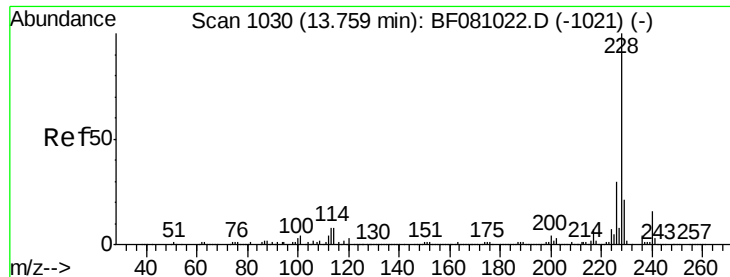


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 23.40 ng

RT: 13.60 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

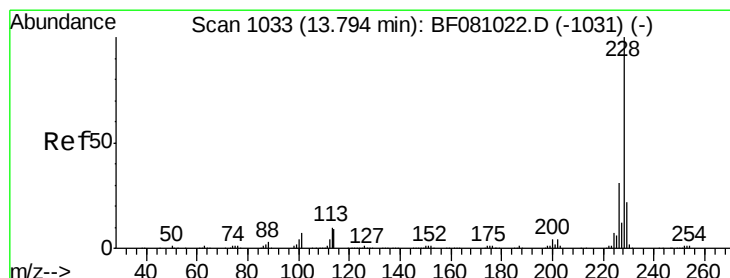
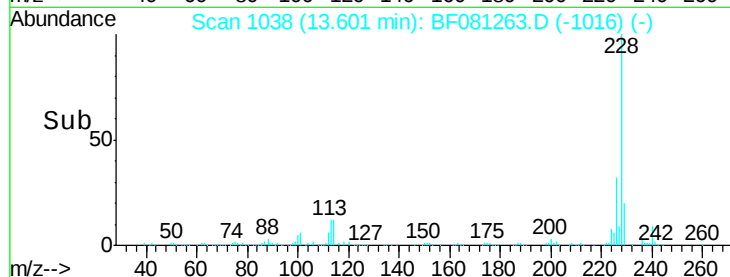
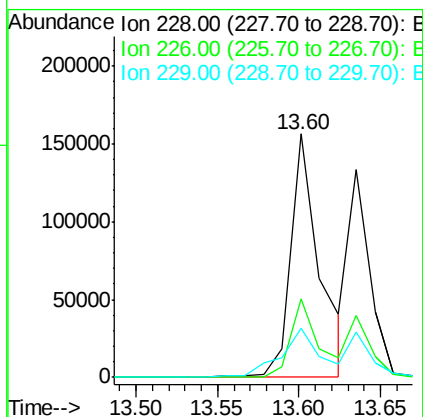
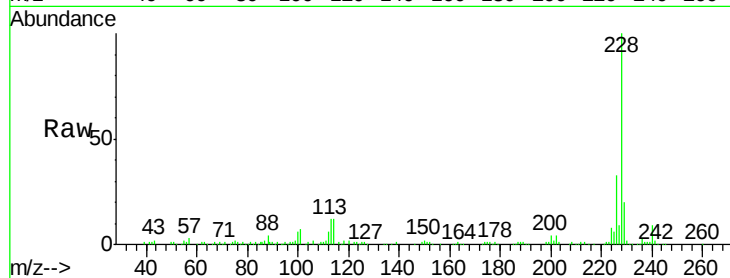
Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

Tgt Ion:	228	Resp:	194052
Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.3	33.5
229	20.4	15.9	23.9



#82

Chrysene

Concen: 25.96 ng

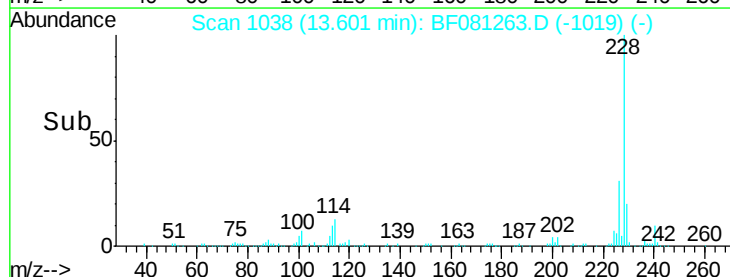
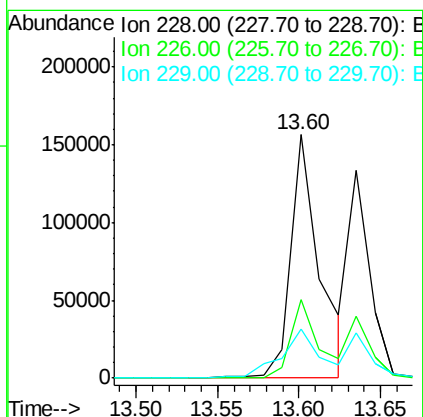
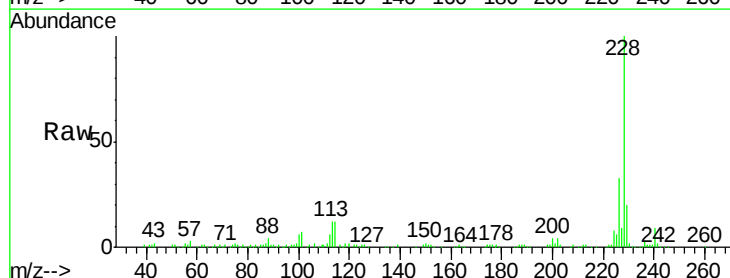
RT: 13.60 min Scan# 1038

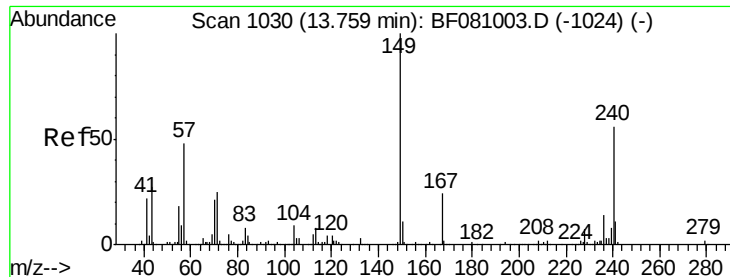
Delta R.T. -0.08 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Tgt Ion:	228	Resp:	194052
Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.4	36.6
229	20.4	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.72 ng

RT: 13.62 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampled :

SB3(3-4)

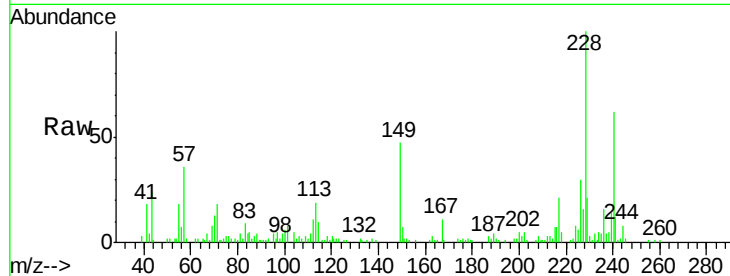
Tgt Ion:149 Resp: 26115

Ion Ratio Lower Upper

149 100

167 23.4 20.7 31.1

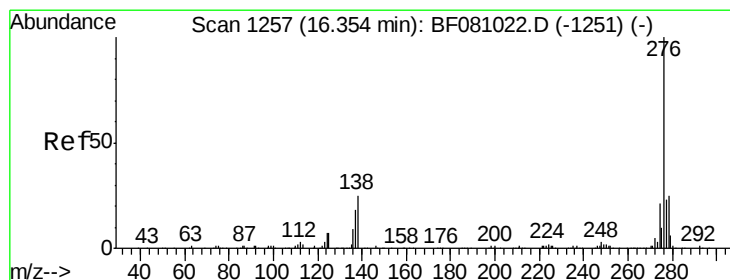
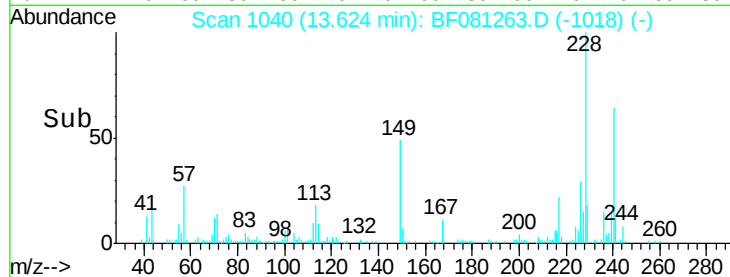
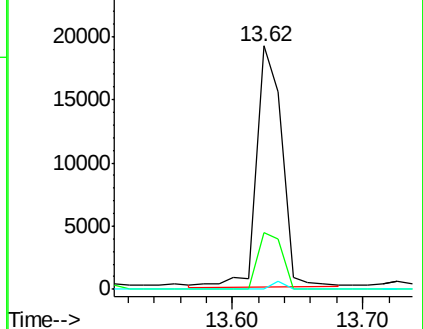
279 0.0 2.2 3.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.70 ng

RT: 16.09 min Scan# 1256

Delta R.T. -0.07 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

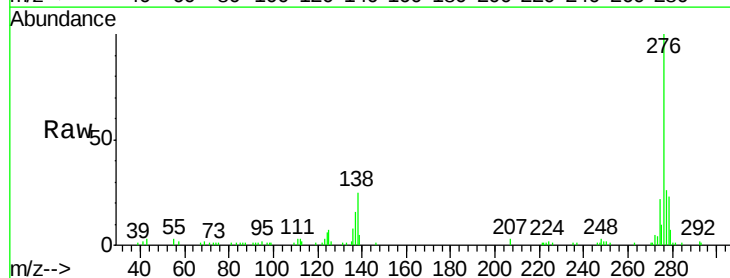
Tgt Ion:276 Resp: 77156

Ion Ratio Lower Upper

276 100

138 25.0 18.6 28.0

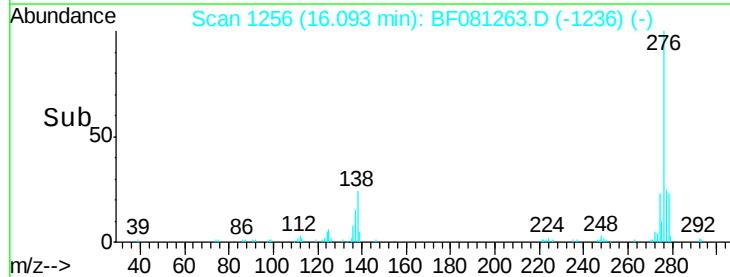
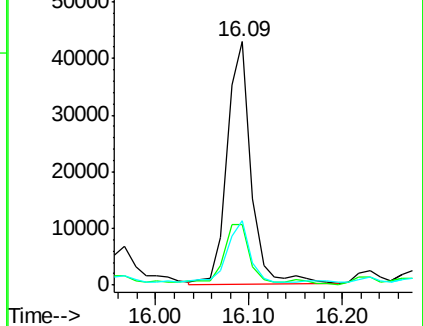
277 27.8 19.8 29.8

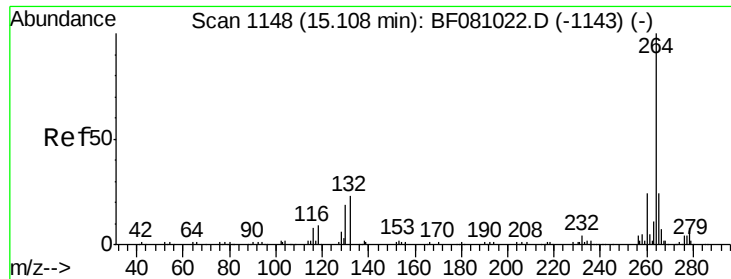


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

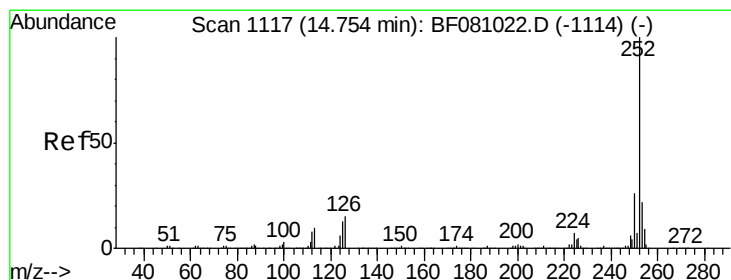
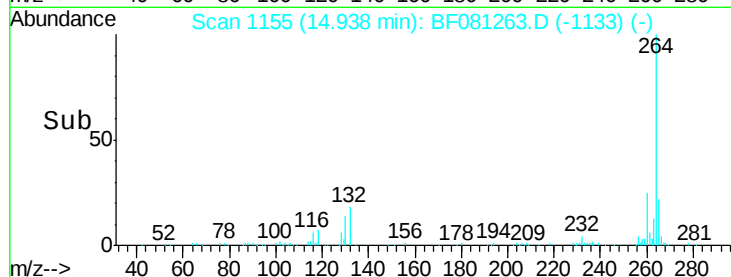
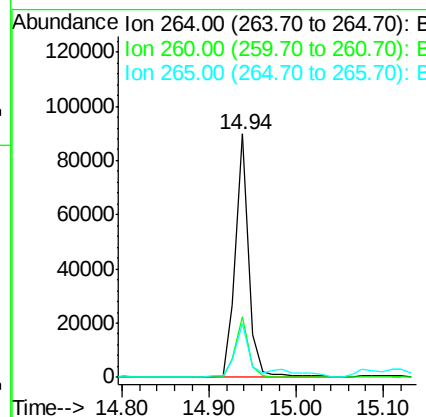
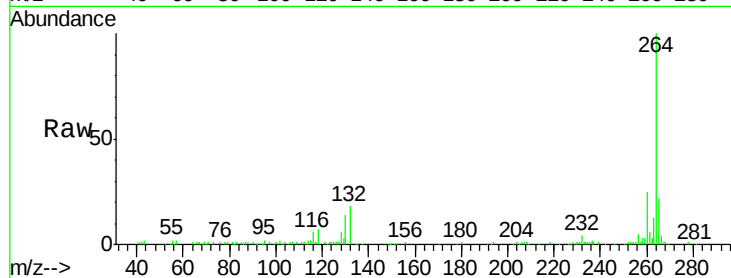




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1155
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

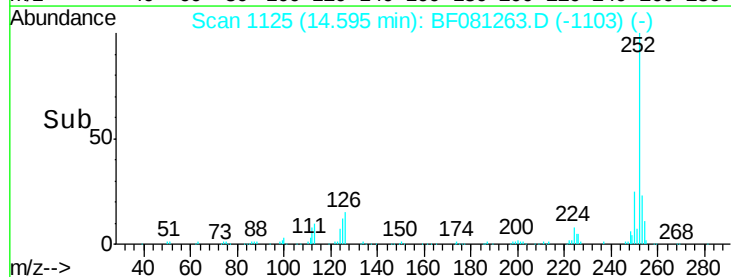
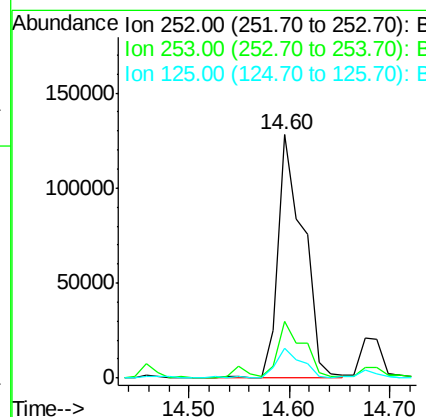
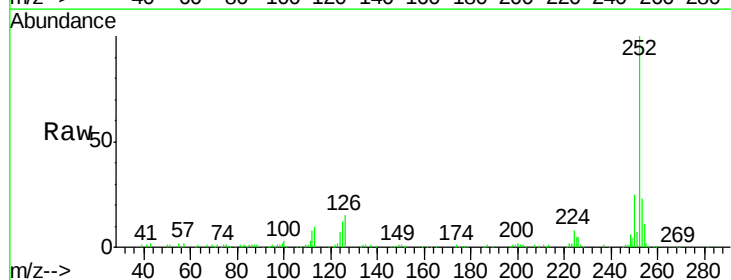
Instrument :
BNA_F
ClientSampleId :
SB3(3-4)

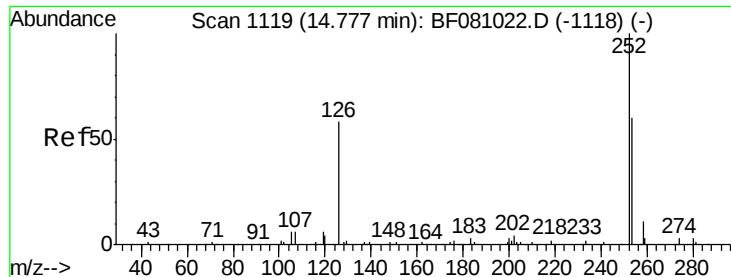
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	22.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 33.30 ng
RT: 14.60 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF081263.D
Acq: 28 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.3	8.0	12.0#





#88

Benzo(k)fluoranthene

Concen: 35.73 ng

RT: 14.60 min Scan# 1125

Delta R.T. -0.07 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

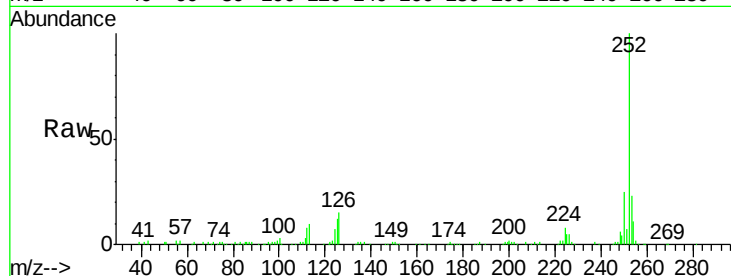
Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

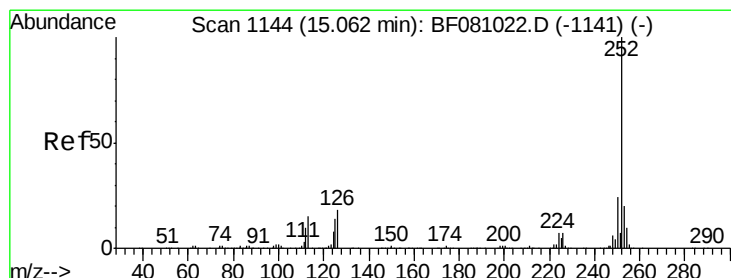
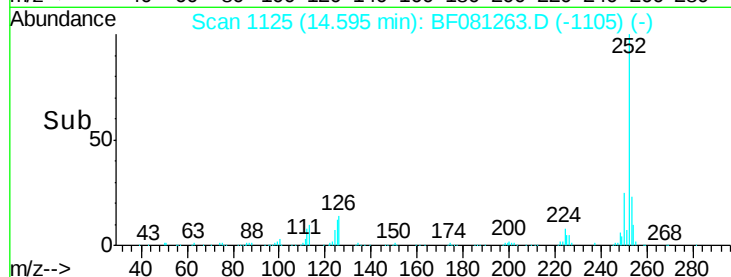
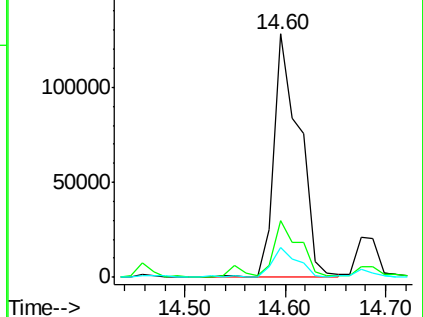
Tgt Ion:	252	Resp:	225052
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	12.3	10.3	15.5



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: 17.91 ng

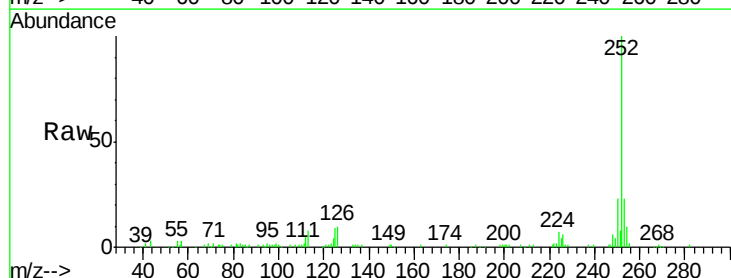
RT: 14.89 min Scan# 1151

Delta R.T. -0.05 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

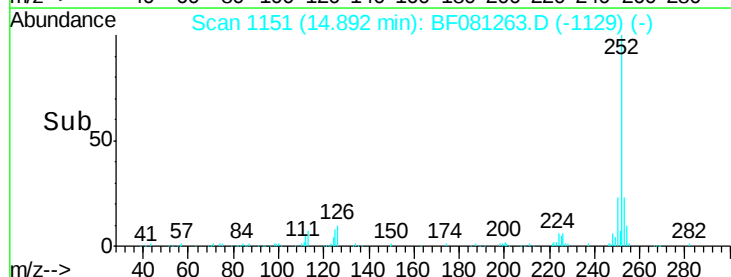
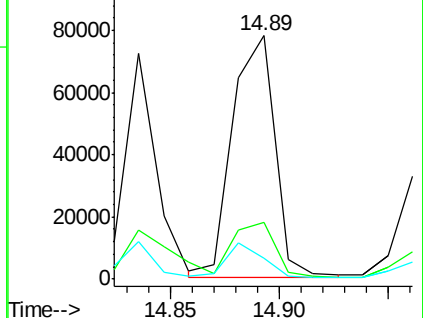
Tgt Ion:	252	Resp:	105478
Ion Ratio	Lower	Upper	
252	100		
253	23.4	16.6	25.0
125	8.7	7.8	11.8

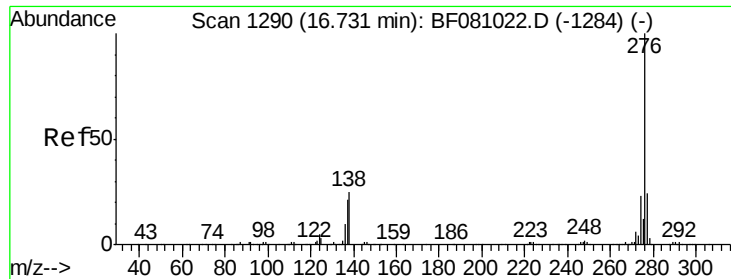


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.32 ng

RT: 16.44 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF081263.D

Acq: 28 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SB3(3-4)

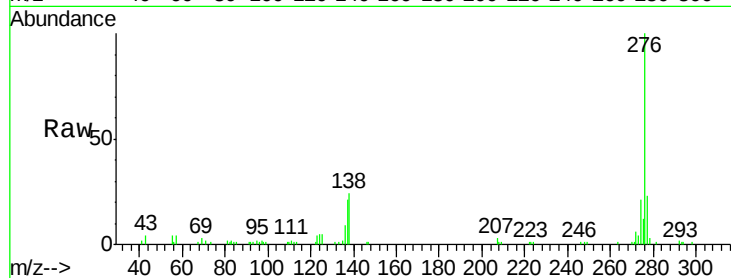
Tgt Ion:276 Resp: 66656

Ion Ratio Lower Upper

276 100

277 23.0 18.2 27.2

138 24.1 13.7 20.5#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

