

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081261.D
 Acq On : 28 Aug 2015 4:13
 Operator : UM/IZ
 Sample : G3430-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(3-4)

Quant Time: Aug 28 04:47:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 03:32:45 2015
 Response via : Initial Calibration

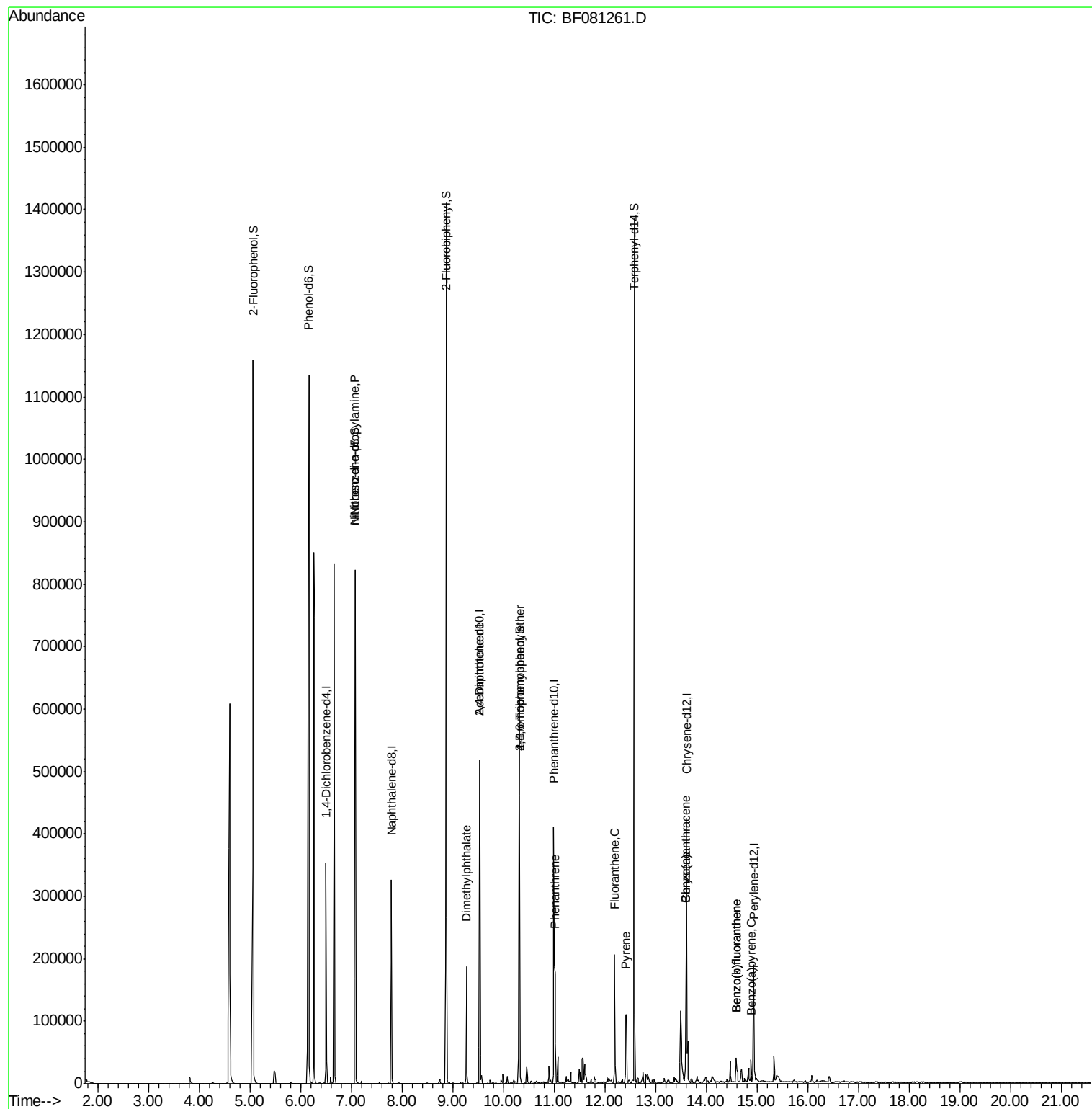
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	44822	20.00	ng	0.00
21) Naphthalene-d8	7.79	136	174209	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	91389	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	167282	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	145266	20.00	ng	0.00
86) Perylene-d12	14.94	264	97231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	288221	96.72	ng	0.01
7) Phenol-d6	6.16	99	460891	118.54	ng	0.00
23) Nitrobenzene-d5	7.07	82	250249	65.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.32	330	85736	108.23	ng	0.00
44) 2-Fluorobiphenyl	8.87	172	414741	59.46	ng	-0.01
78) Terphenyl-d14	12.58	244	407479	60.14	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.07	70	33511	12.44	ng	# 70
49) Dimethylphthalate	9.27	163	65010	8.64	ng	99
56) 2,4-Dinitrotoluene	9.53	165	11600	5.42	ng	# 16
66) 4-Bromophenyl-phenylether	10.32	248	6179	3.76	ng	# 1
70) Phenanthrene	11.02	178	69456	7.01	ng	98
74) Fluoranthene	12.20	202	80913	7.56	ng	95
77) Pyrene	12.42	202	65399	5.54	ng	98
80) Benzo(a)anthracene	13.60	228	35729	3.67	ng	98
82) Chrysene	13.60	228	35729	4.07	ng	95
87) Benzo(b)fluoranthene	14.60	252	30115	4.38	ng	# 97
88) Benzo(k)fluoranthene	14.60	252	30115	4.70	ng	99
89) Benzo(a)pyrene	14.88	252	15665	2.61	ng	# 95

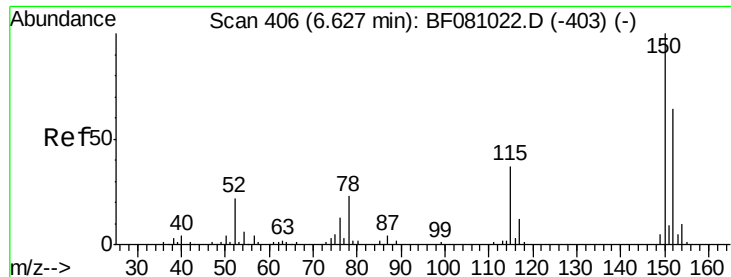
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
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Quant Time: Aug 28 04:47:40 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 03:32:45 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

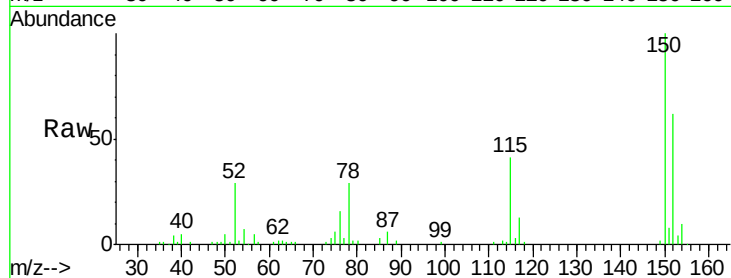
Tgt Ion:152 Resp: 44822

Ion Ratio Lower Upper

152 100

150 161.4 123.8 185.6

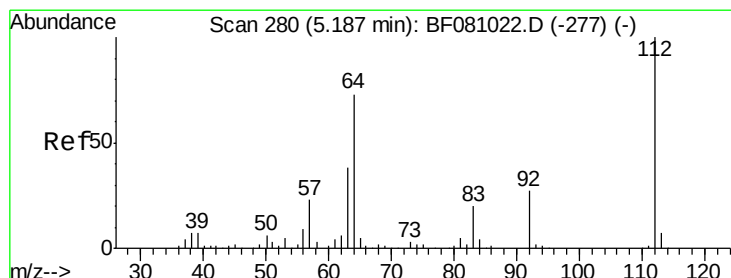
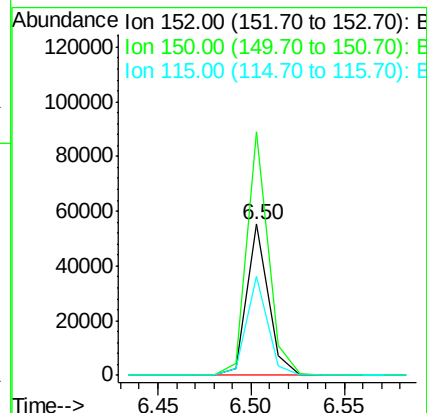
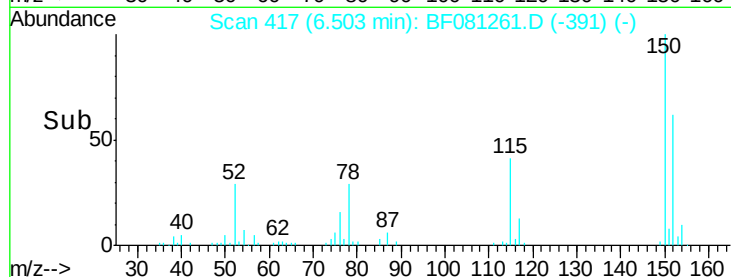
115 65.8 52.1 78.1



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: 96.72 ng

RT: 5.06 min Scan# 291

Delta R.T. 0.01 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

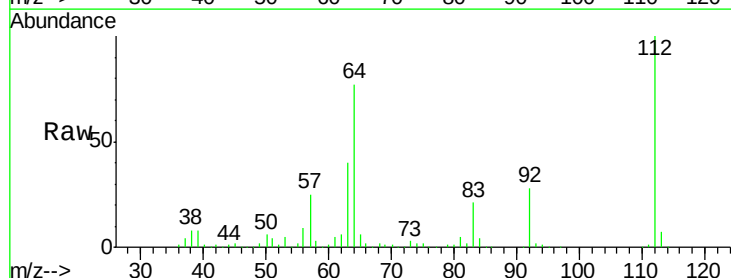
Tgt Ion:112 Resp: 288221

Ion Ratio Lower Upper

112 100

64 76.7 66.9 100.3

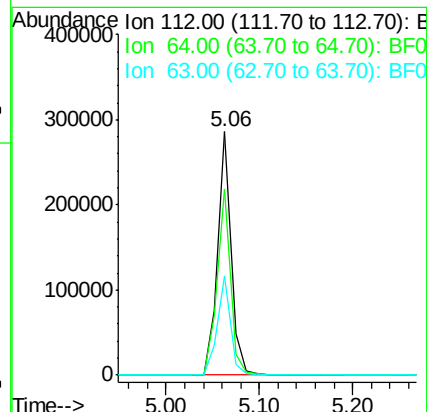
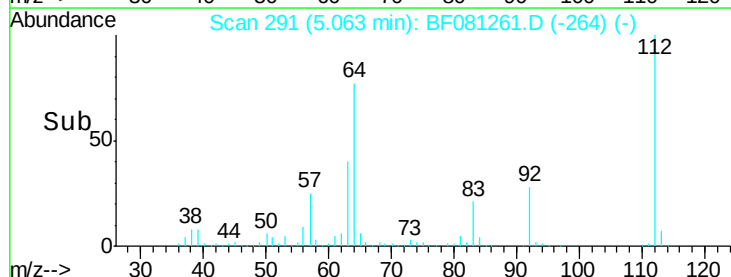
63 40.5 38.1 57.1

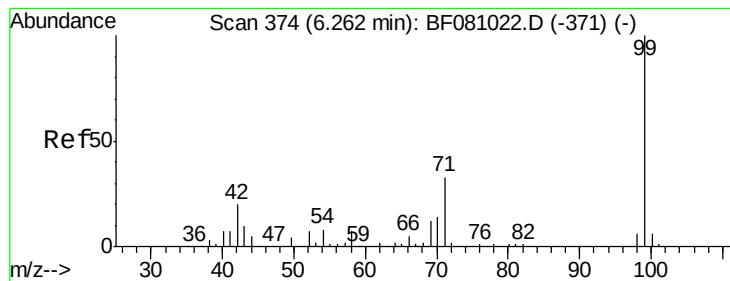


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.54 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

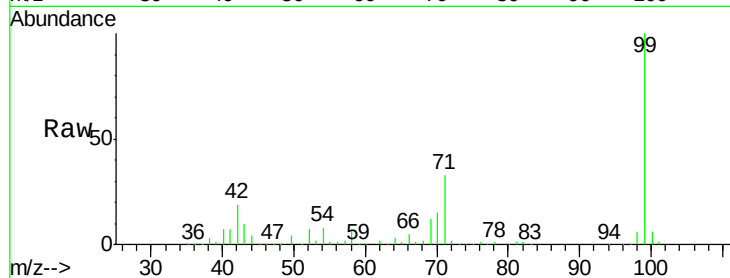
Tgt Ion: 99 Resp: 460891

Ion Ratio Lower Upper

99 100

42 18.9 19.6 29.4#

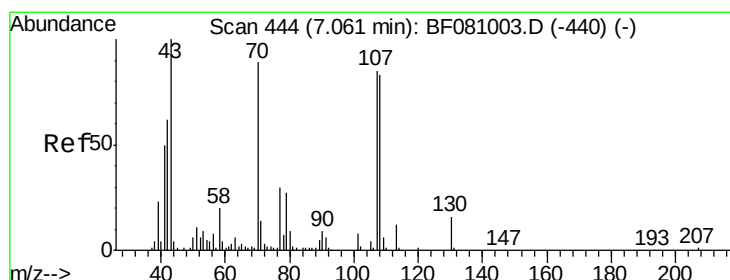
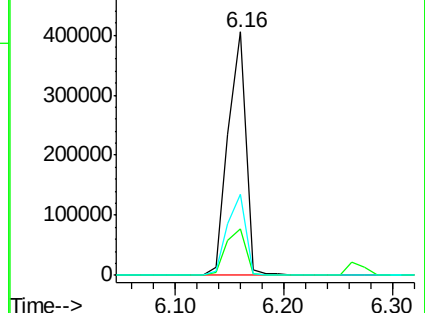
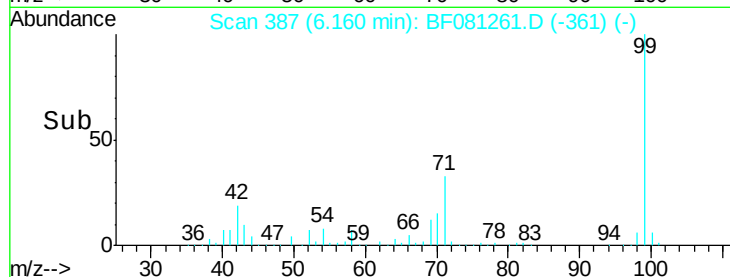
71 33.4 31.2 46.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.44 ng

RT: 7.07 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Tgt Ion: 70 Resp: 33511

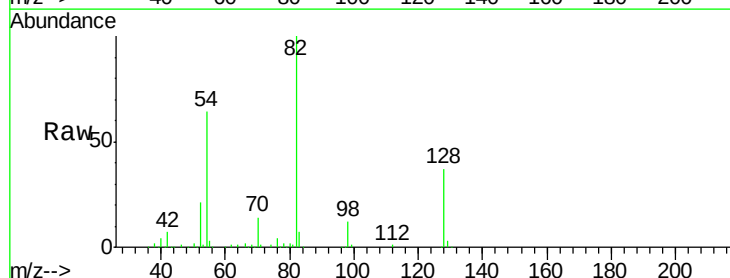
Ion Ratio Lower Upper

70 100

42 54.5 65.0 97.4#

101 0.0 7.4 11.2#

130 1.9 13.0 19.4#

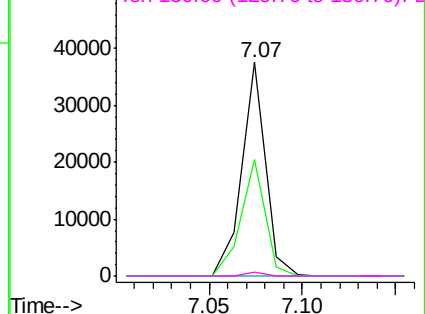
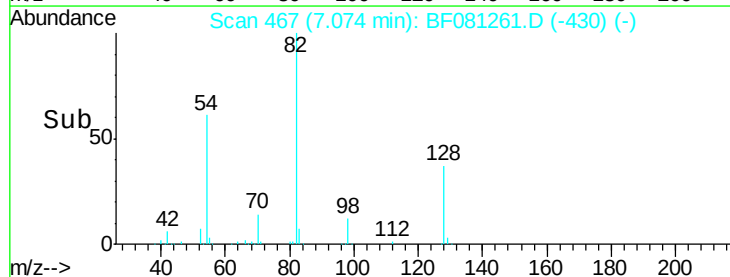


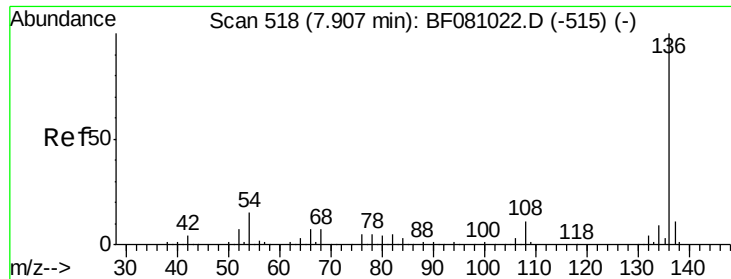
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

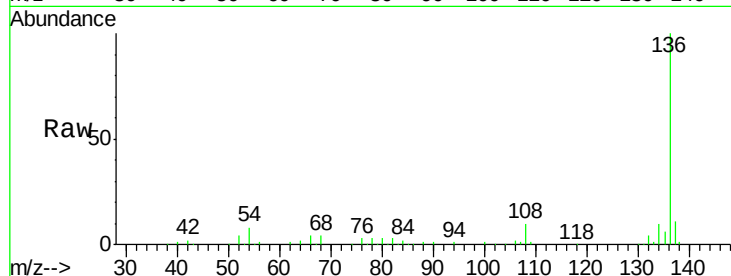




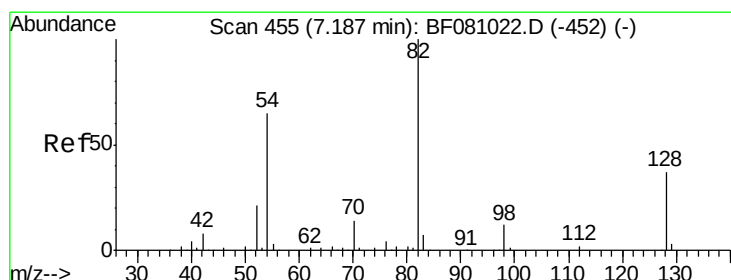
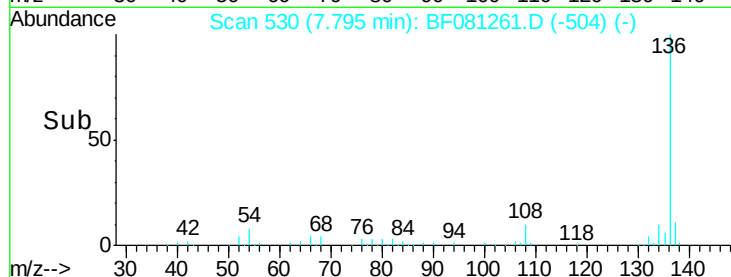
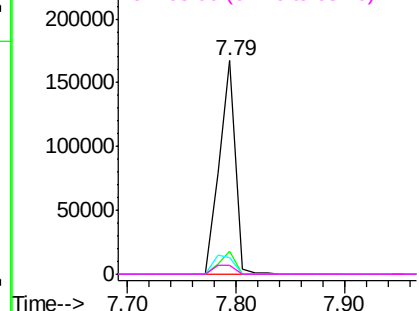
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Tgt Ion:	136	Resp:	174209
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.2
54	8.1	7.7	11.5
68	4.4	3.4	5.2

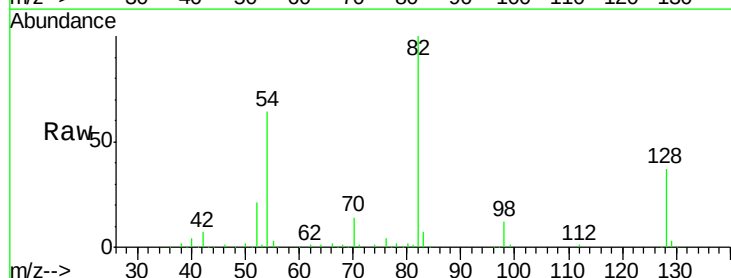


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

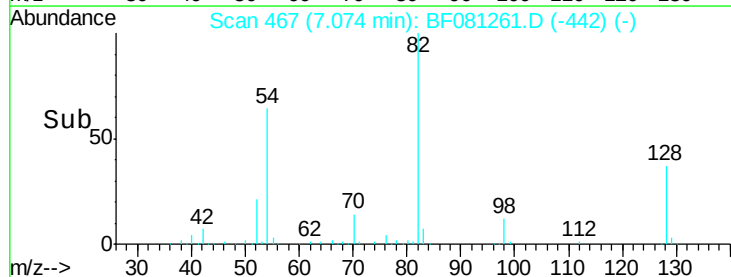
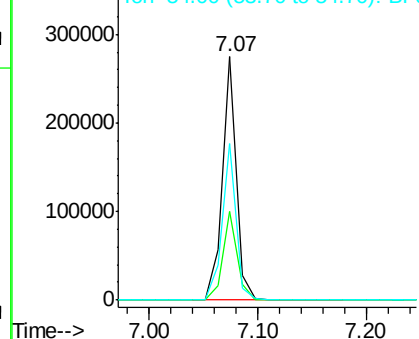


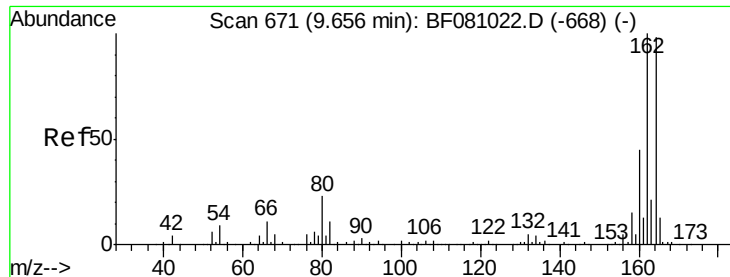
#23
Nitrobenzene-d5
Concen: 65.62 ng
RT: 7.07 min Scan# 467
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:	82	Resp:	250249
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.6	42.8
54	64.4	55.1	82.7



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: 9.53 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

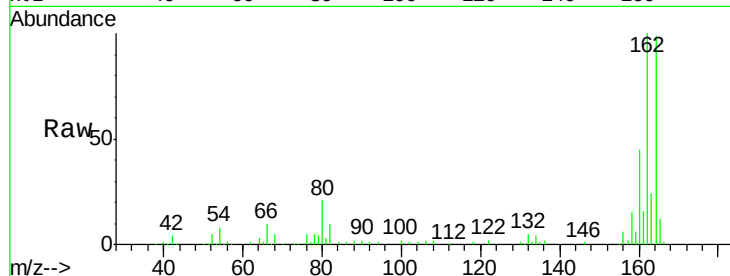
Tgt Ion:164 Resp: 91389

Ion Ratio Lower Upper

164 100

162 101.5 83.8 125.8

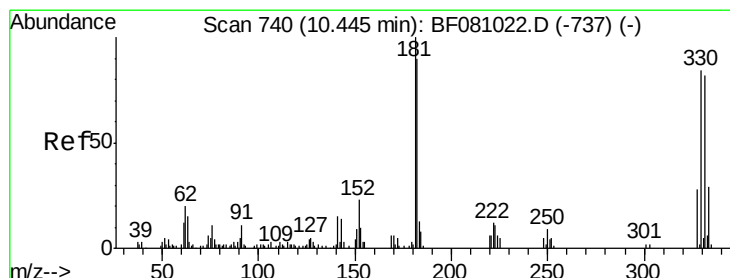
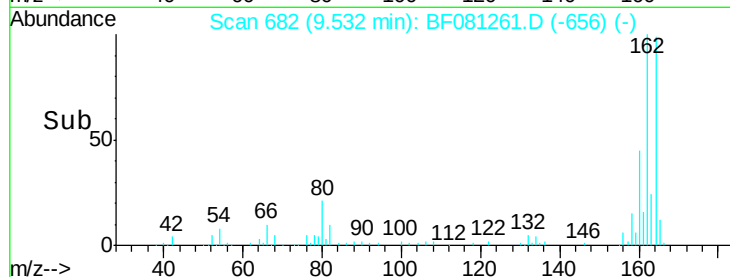
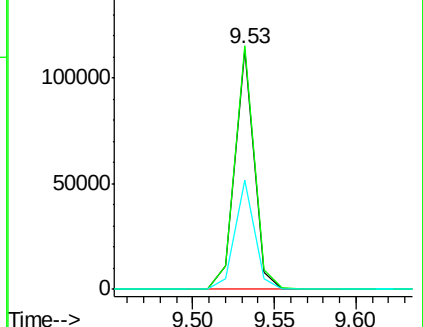
160 45.4 39.8 59.8



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: 108.23 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

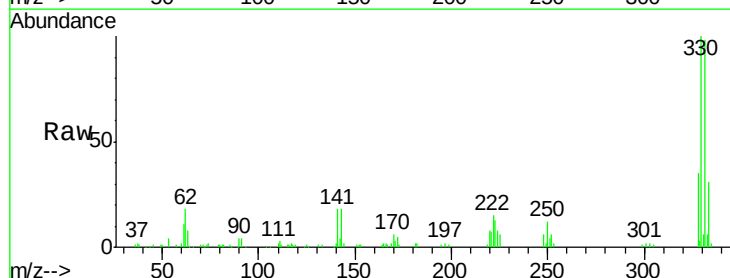
Tgt Ion:330 Resp: 85736

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

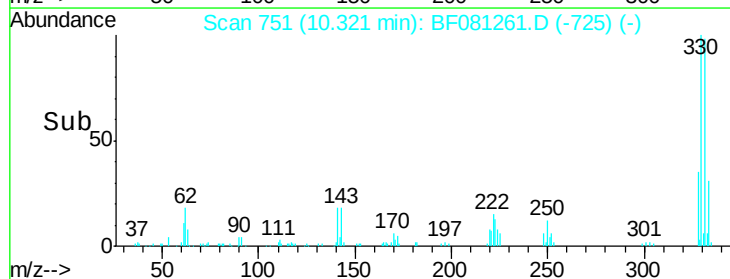
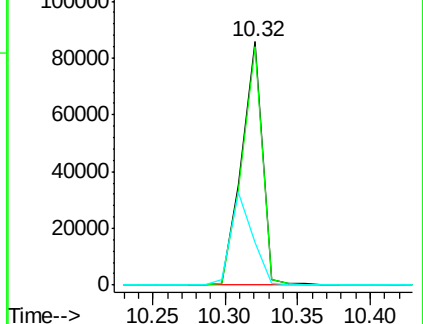
141 40.6 44.9 67.3#

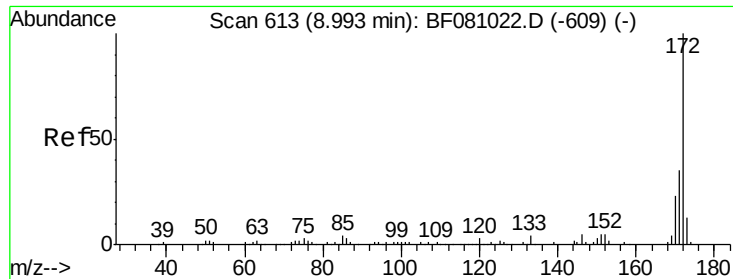


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

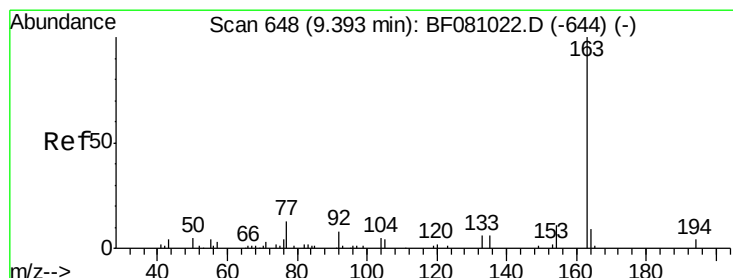
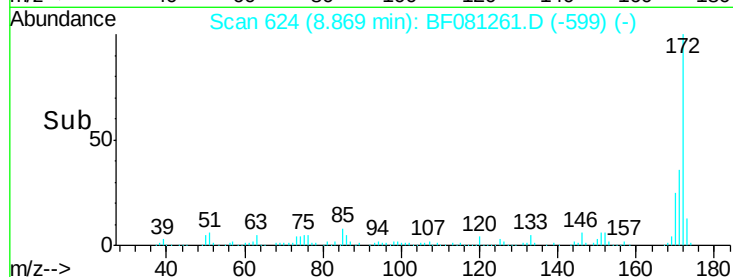
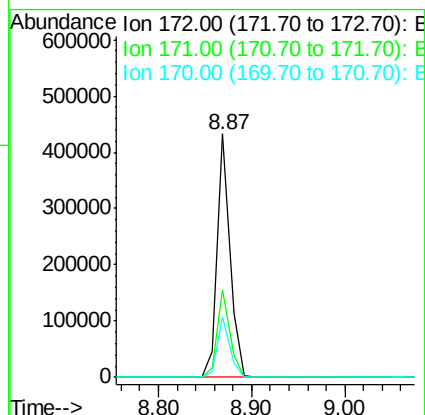
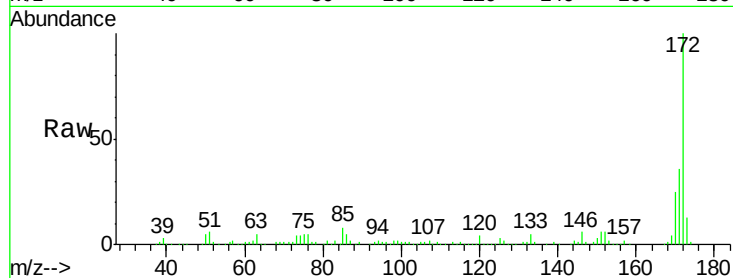




#44
2-Fluorobiphenyl
Concen: 59.46 ng
RT: 8.87 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

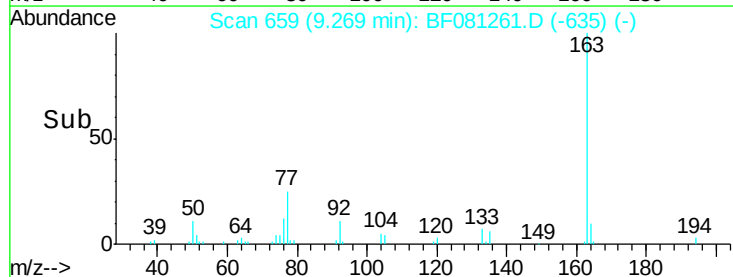
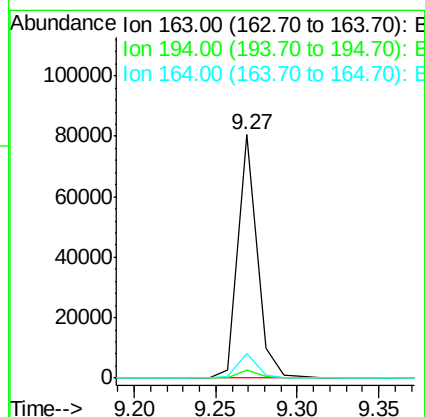
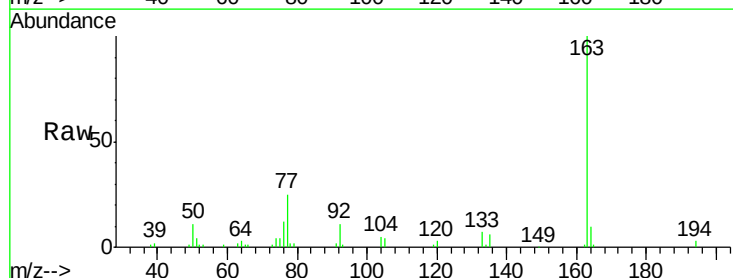
Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

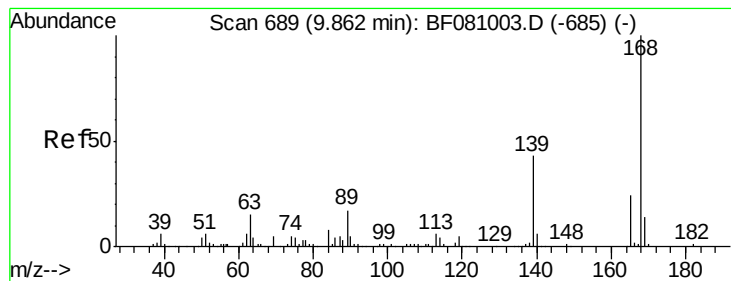
Tgt Ion:172 Resp: 414741
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 24.6 19.4 29.2



#49
Dimethylphthalate
Concen: 8.64 ng
RT: 9.27 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:163 Resp: 65010
Ion Ratio Lower Upper
163 100
194 3.1 2.5 3.7
164 10.3 8.1 12.1





#56

2,4-Dinitrotoluene

Concen: 5.42 ng

RT: 9.53 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

Tgt Ion:165 Resp: 11600

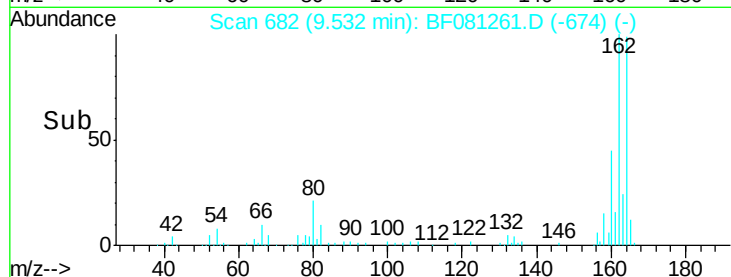
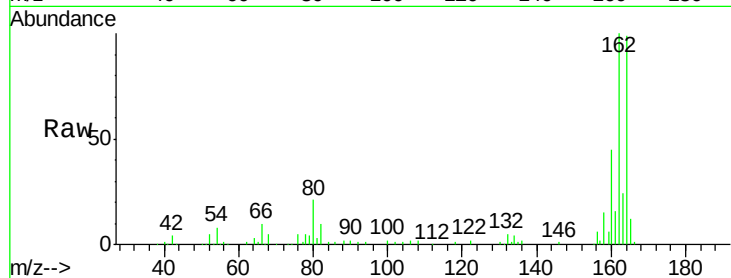
Ion Ratio Lower Upper

165 100

63 0.0 52.2 78.4#

89 0.0 60.1 90.1#

182 0.0 1.8 2.6#

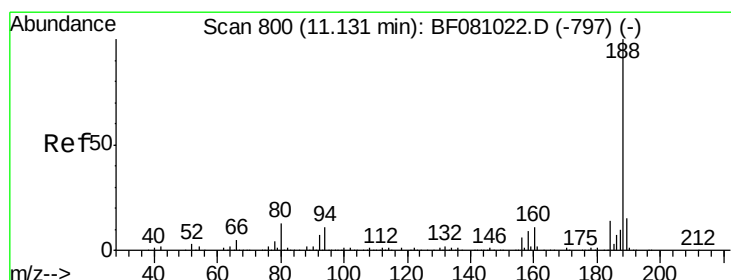
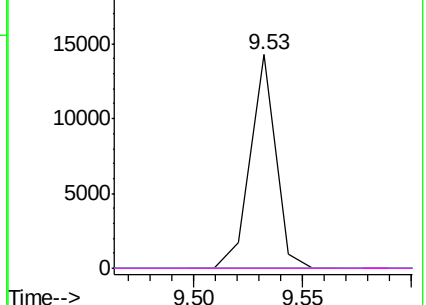


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

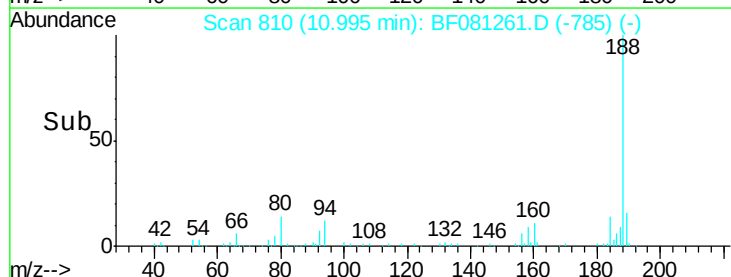
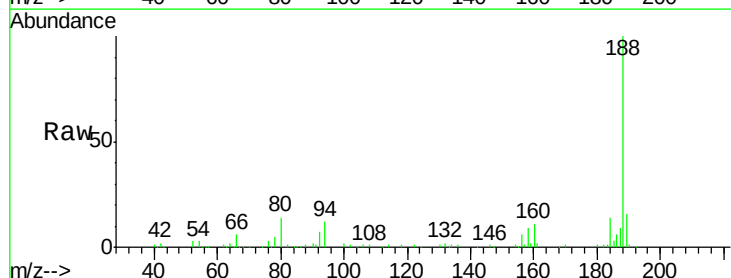
Tgt Ion:188 Resp: 167282

Ion Ratio Lower Upper

188 100

94 12.0 8.2 12.2

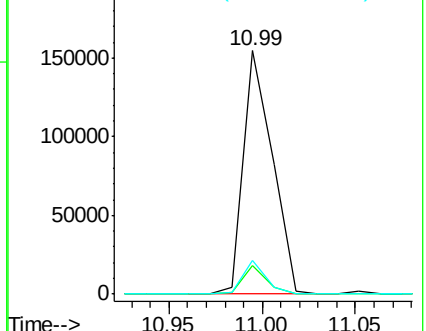
80 13.9 9.5 14.3

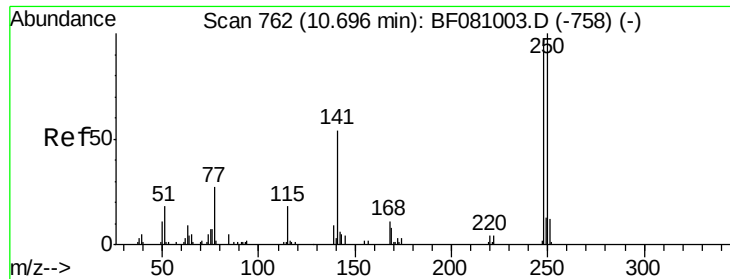


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

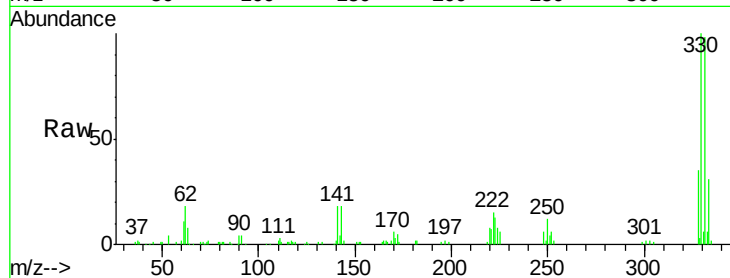




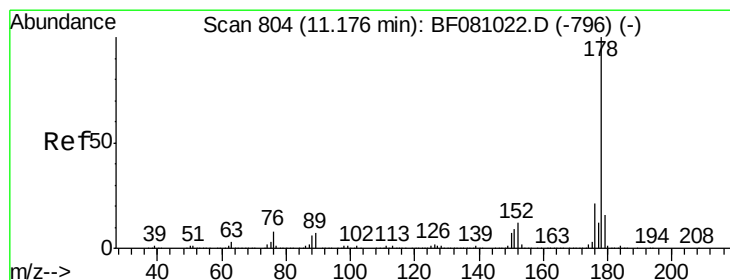
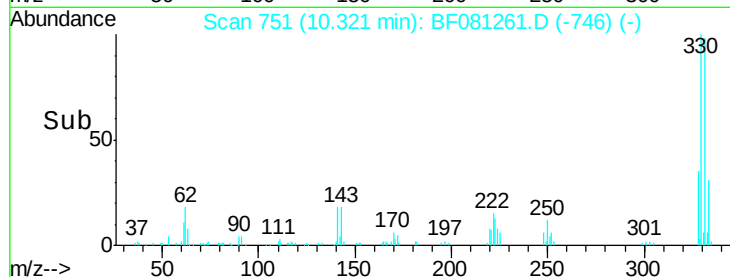
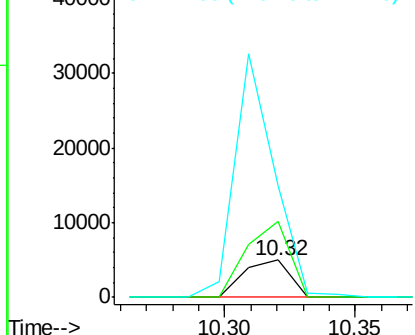
#66
 4-Bromophenyl-phenylether
 Concen: 3.76 ng
 RT: 10.32 min Scan# 751
 Delta R.T. -0.24 min
 Lab File: BF081261.D
 Acq: 28 Aug 2015 4:13

Instrument :
 BNA_F
 ClientSampleId :
 SB4(3-4)

Tgt Ion:248 Resp: 6179
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.8 116.6#
 141 302.9 39.8 59.6#

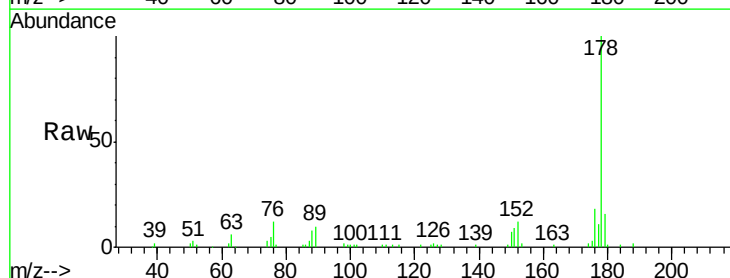


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

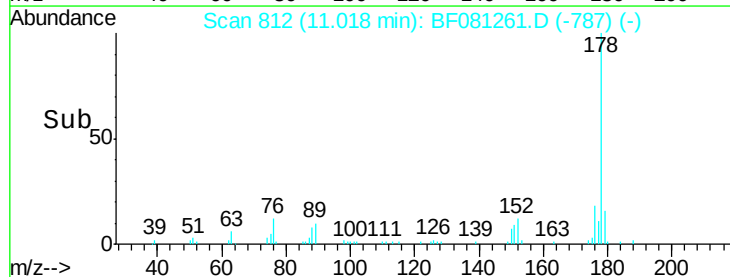
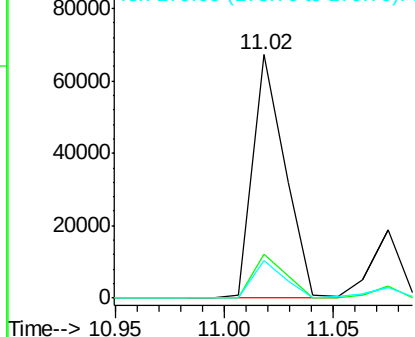


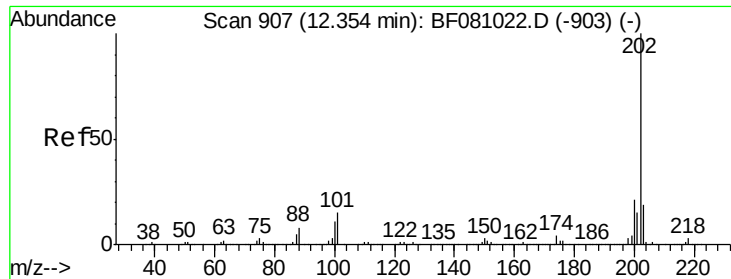
#70
 Phenanthrene
 Concen: 7.01 ng
 RT: 11.02 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF081261.D
 Acq: 28 Aug 2015 4:13

Tgt Ion:178 Resp: 69456
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.6 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: 7.56 ng

RT: 12.20 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

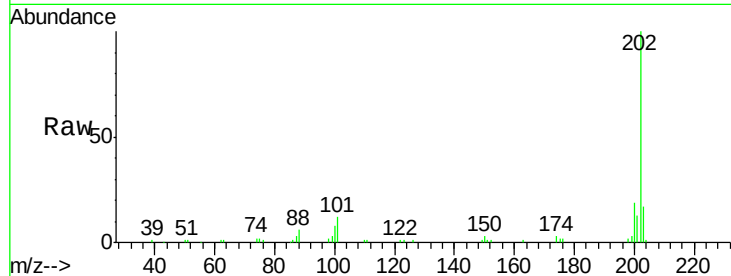
Tgt Ion:202 Resp: 80913

Ion Ratio Lower Upper

202 100

101 11.7 0.0 24.8

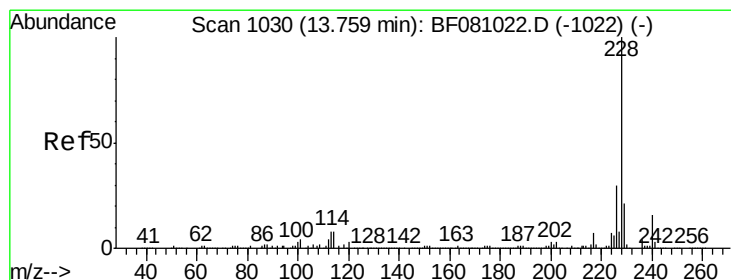
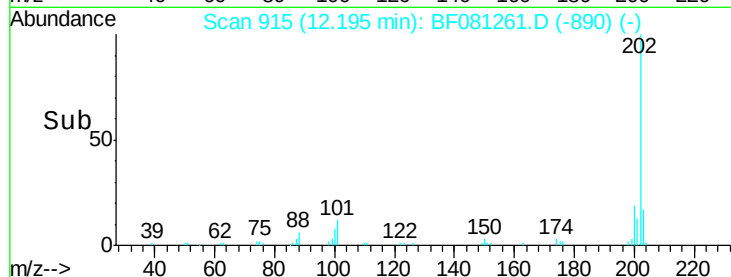
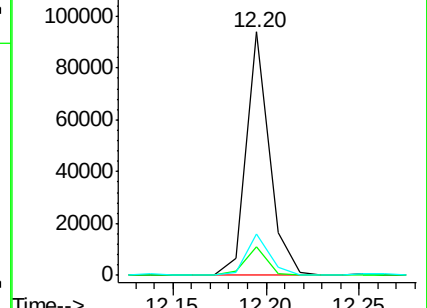
203 16.9 0.0 36.9



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. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

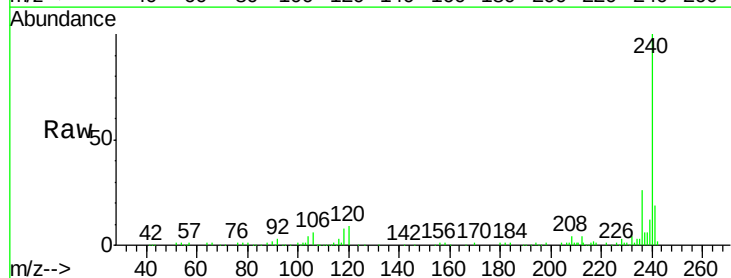
Tgt Ion:240 Resp: 145266

Ion Ratio Lower Upper

240 100

120 9.4 5.6 8.4#

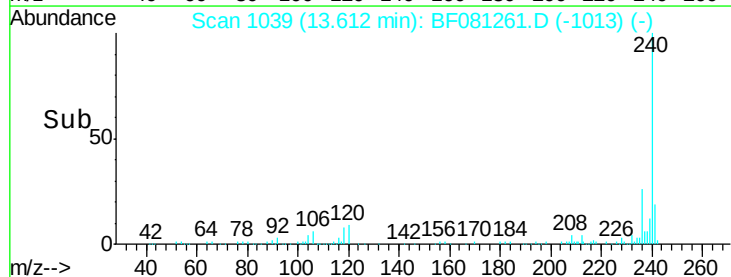
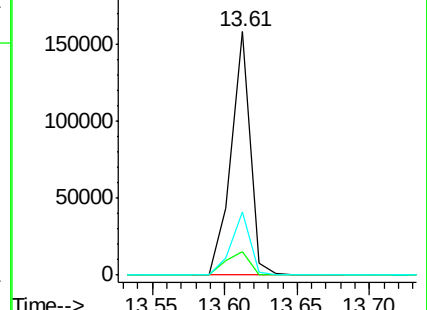
236 25.9 20.6 30.8

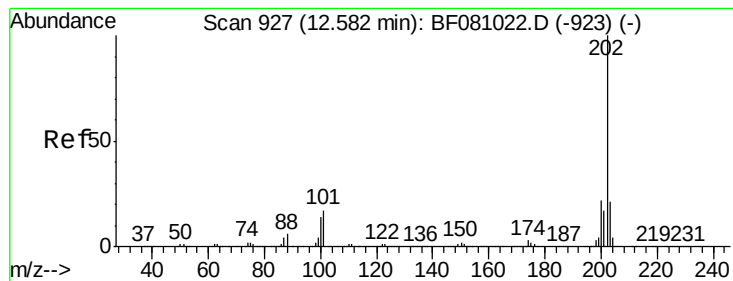


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.54 ng

RT: 12.42 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

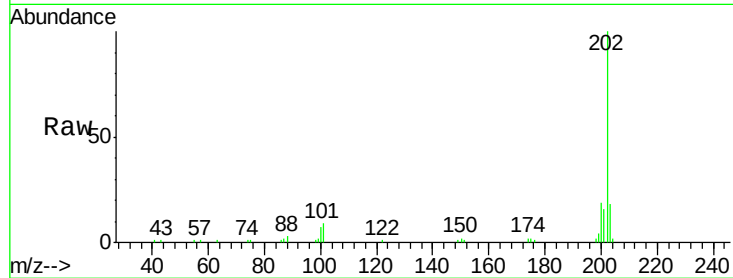
Tgt Ion:202 Resp: 65399

Ion Ratio Lower Upper

202 100

200 18.8 16.6 24.8

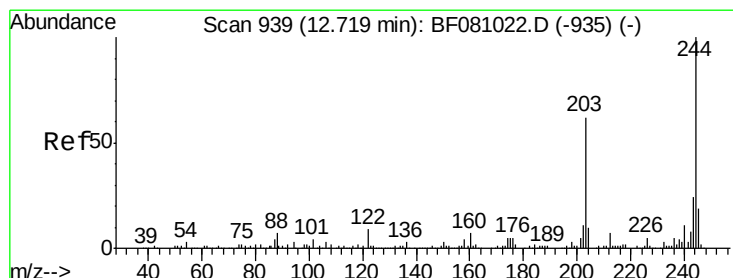
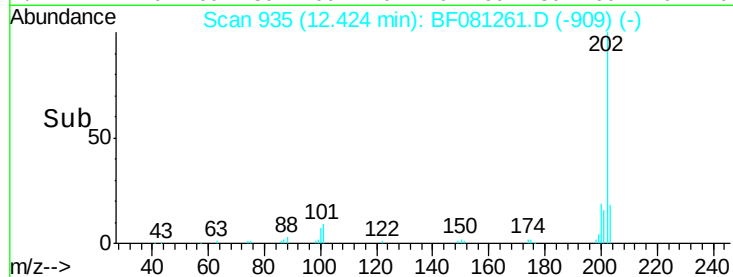
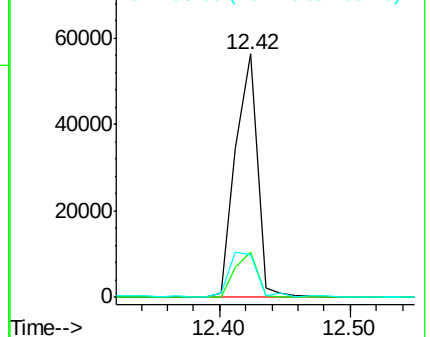
203 17.7 14.1 21.1



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: 60.14 ng

RT: 12.58 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

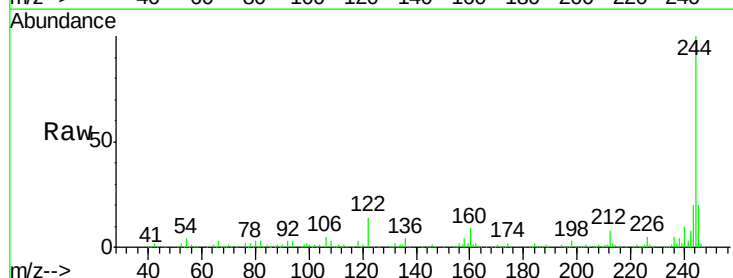
Tgt Ion:244 Resp: 407479

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

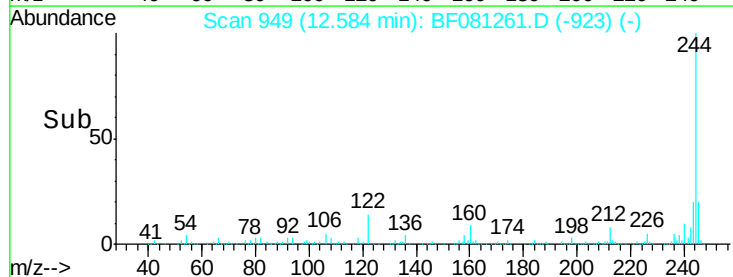
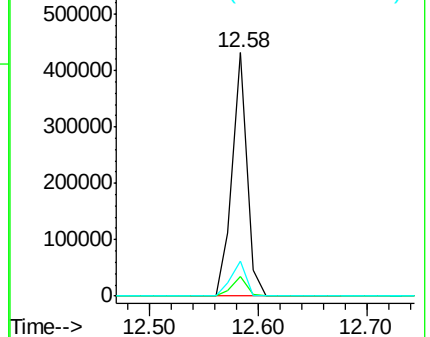
122 14.1 8.2 12.4#

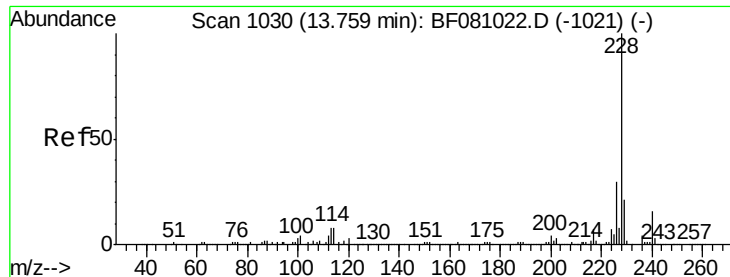


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.67 ng

RT: 13.60 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

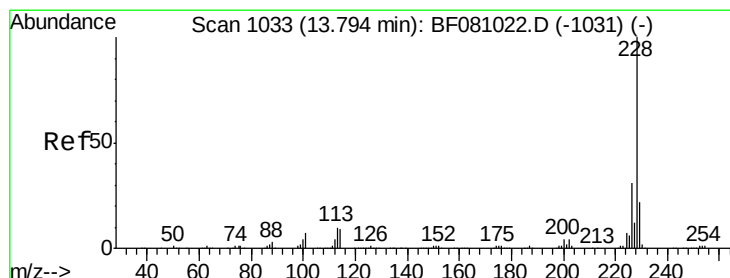
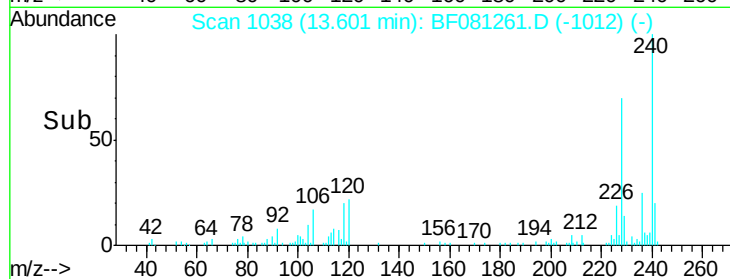
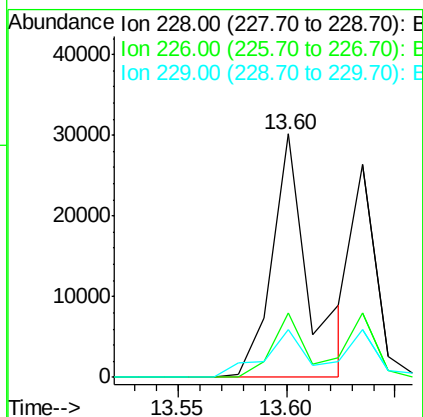
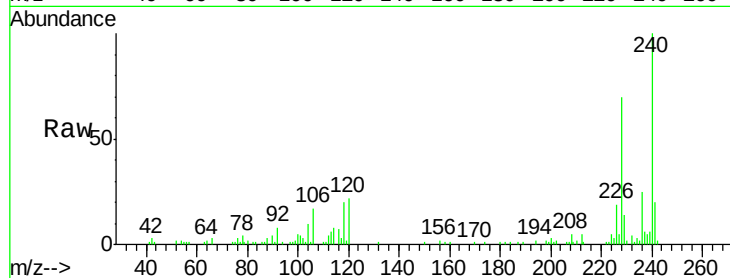
Instrument :

BNA_F

ClientSampleId :

SB4(3-4)

Tgt Ion:	228	Resp:	35729
Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.3	33.5
229	19.5	15.9	23.9



#82

Chrysene

Concen: 4.07 ng

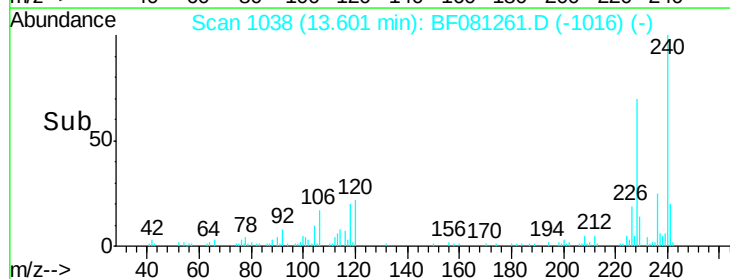
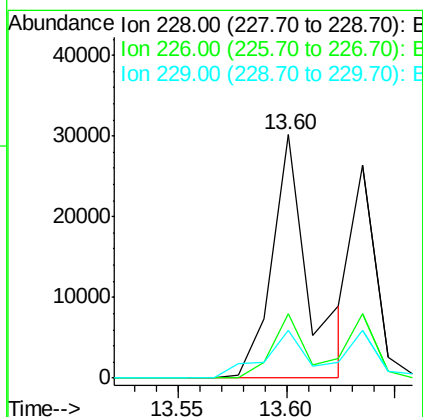
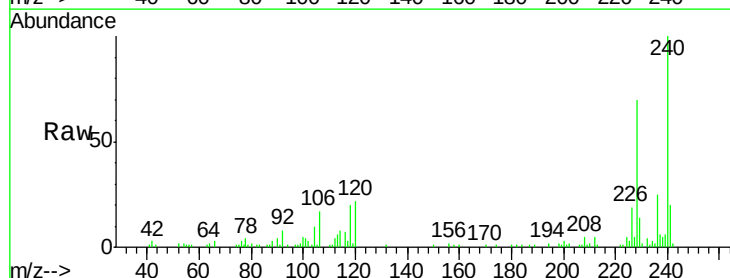
RT: 13.60 min Scan# 1038

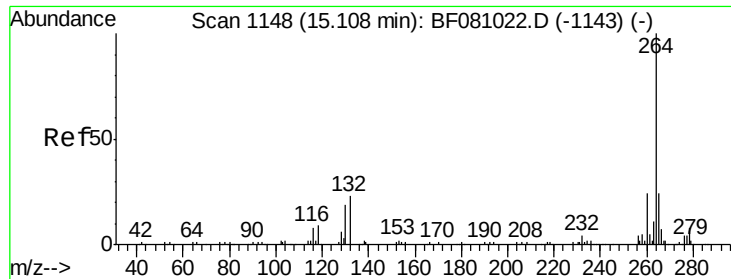
Delta R.T. -0.05 min

Lab File: BF081261.D

Acq: 28 Aug 2015 4:13

Tgt Ion:	228	Resp:	35729
Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.4	36.6
229	19.5	16.0	24.0

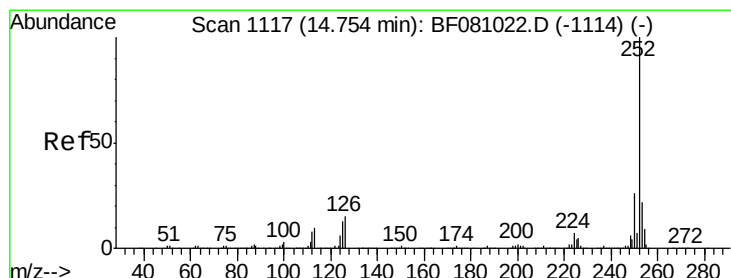
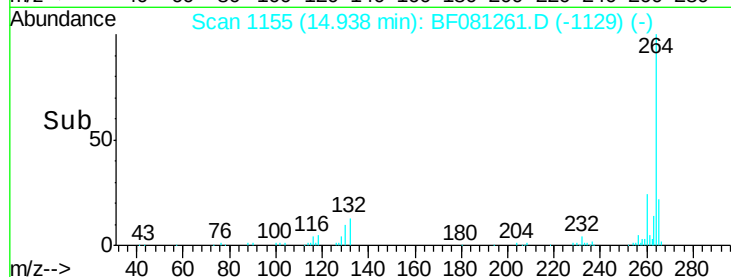
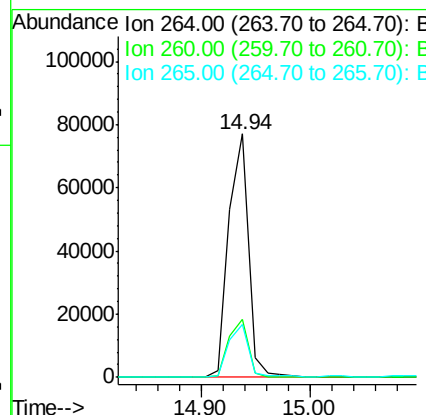
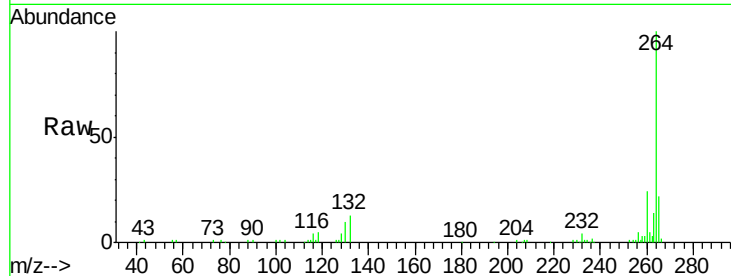




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.94 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF081261.D
 Acq: 28 Aug 2015 4:13

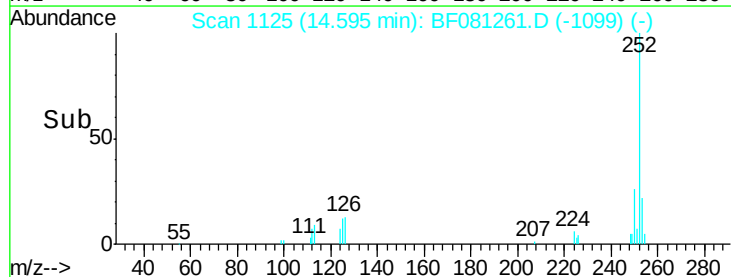
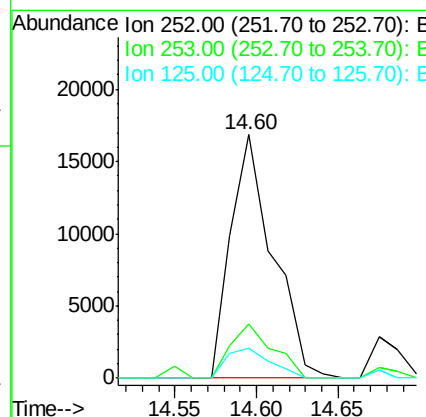
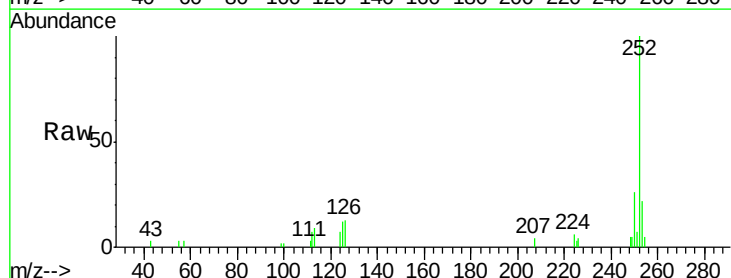
Instrument :
 BNA_F
 ClientSampleId :
 SB4(3-4)

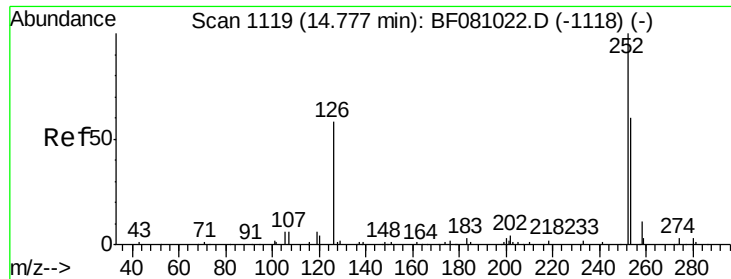
Tgt Ion: 264 Resp: 97231
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.6 29.4
 265 21.8 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 4.38 ng
 RT: 14.60 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BF081261.D
 Acq: 28 Aug 2015 4:13

Tgt Ion: 252 Resp: 30115
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.1 25.7
 125 12.3 8.0 12.0#

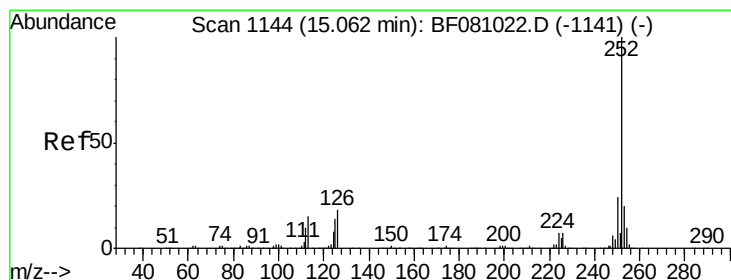
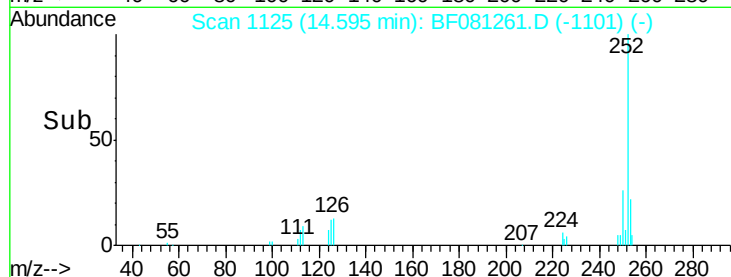
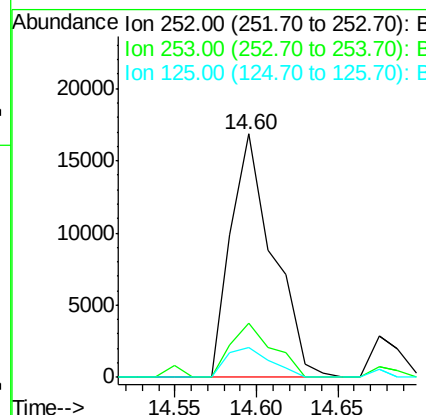
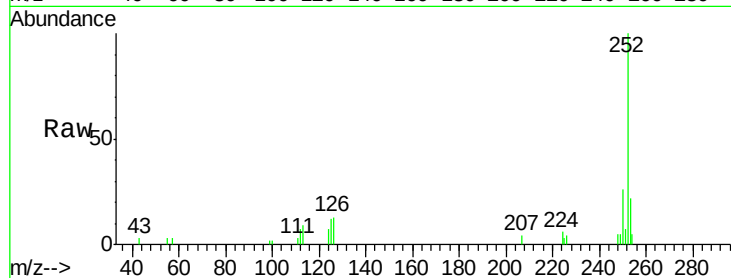




#88
Benzo(k)fluoranthene
Concen: 4.70 ng
RT: 14.60 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.3	10.3	15.5



#89
Benzo(a)pyrene
Concen: 2.61 ng
RT: 14.88 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.6	16.6	25.0
125	13.6	7.8	11.8

