

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082515\
 Data File : BF081210.D
 Acq On : 25 Aug 2015 21:08
 Operator : UM/IZ
 Sample : G3407-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 00:09:33 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

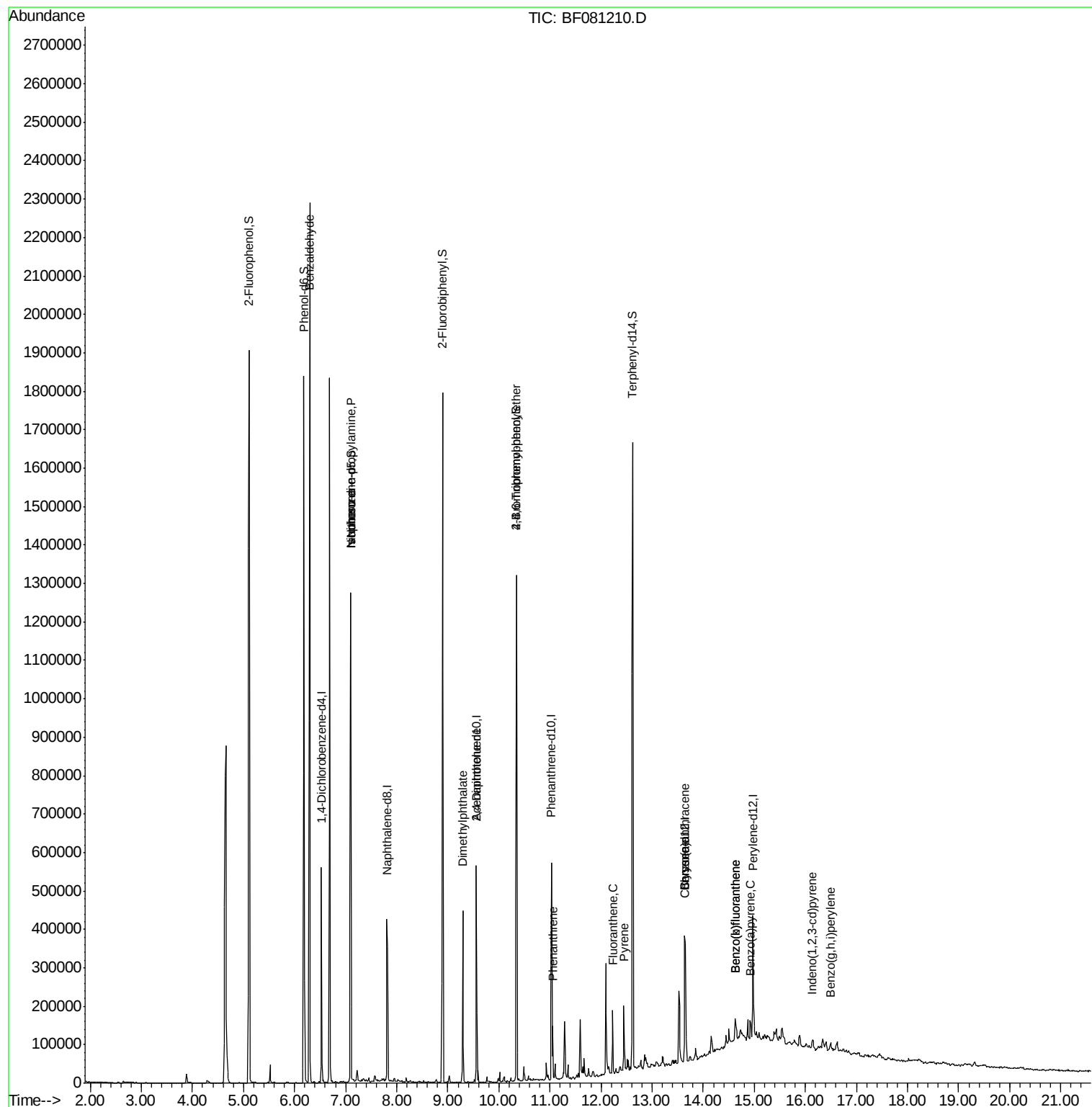
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	69807	20.00	ng	-0.01
21) Naphthalene-d8	7.81	136	253719	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	108529	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	213080	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	134914	20.00	ng	-0.01
86) Perylene-d12	14.97	264	117825	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	625067	134.68	ng	0.01
7) Phenol-d6	6.18	99	678328	112.02	ng	-0.01
23) Nitrobenzene-d5	7.10	82	437982	78.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	109670	116.57	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	727365	87.81	ng	-0.01
78) Terphenyl-d14	12.62	244	599326	95.23	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.30	77	15066	3.86	ng	79
19) n-Nitroso-di-n-propylamine	7.10	70	60731	14.48	ng	# 70
25) Isophorone	7.10	82	336589	32.50	ng	# 71
49) Dimethylphthalate	9.29	163	162126	18.14	ng	100
56) 2,4-Dinitrotoluene	9.56	165	14305	5.62	ng	# 17
66) 4-Bromophenyl-phenylether	10.34	248	8985	4.29	ng	# 1
70) Phenanthrene	11.05	178	54077	4.28	ng	98
74) Fluoranthene	12.23	202	76788	5.64	ng	97
77) Pyrene	12.45	202	66088	6.03	ng	97
80) Benzo(a)anthracene	13.64	228	26735	2.95	ng	97
82) Chrysene	13.64	228	26735	3.28	ng	97
85) Indeno(1,2,3-cd)pyrene	16.14	276	13822	2.41	ng	# 81
87) Benzo(b)fluoranthene	14.63	252	38796	4.65	ng	# 91
88) Benzo(k)fluoranthene	14.63	252	38796	5.00	ng	# 94
89) Benzo(a)pyrene	14.92	252	22566	3.11	ng	# 84
91) Benzo(g,h,i)perylene	16.49	276	13236	2.31	ng	# 87

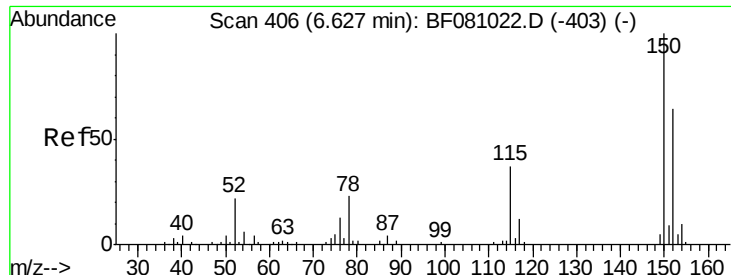
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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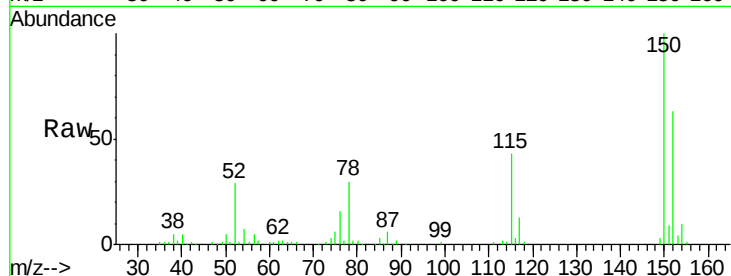


#1

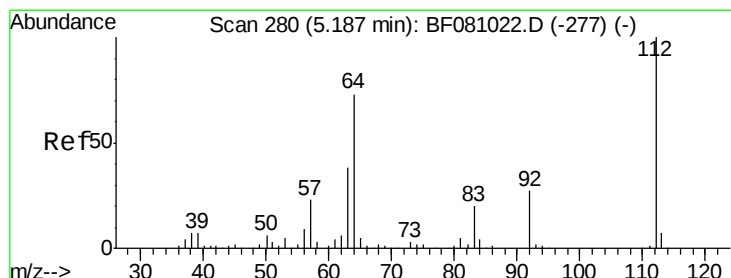
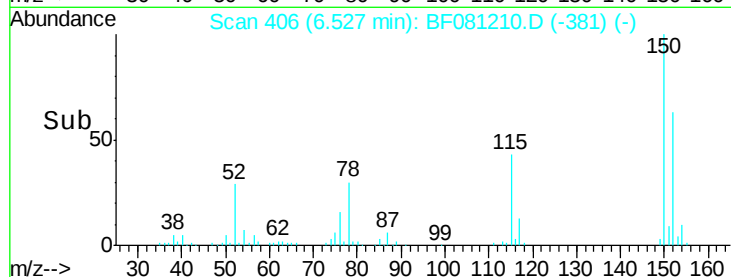
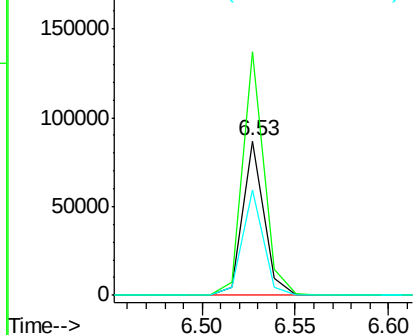
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69807
Ion Ratio Lower Upper
152 100
150 157.8 123.8 185.6
115 68.0 52.1 78.1



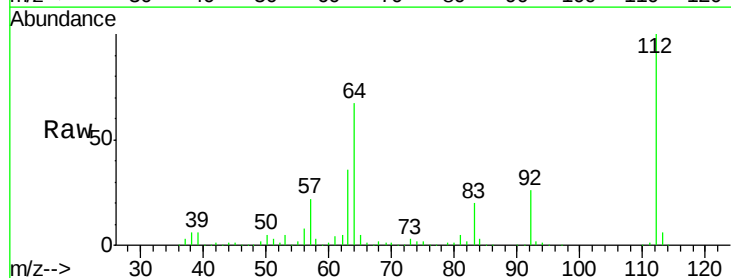
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



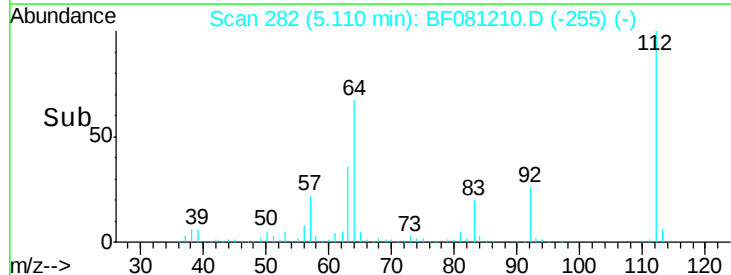
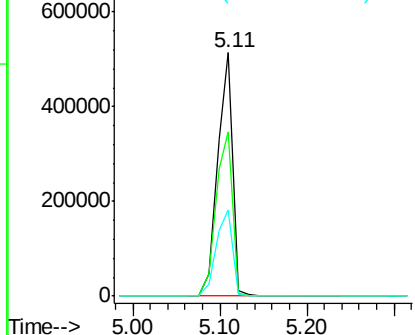
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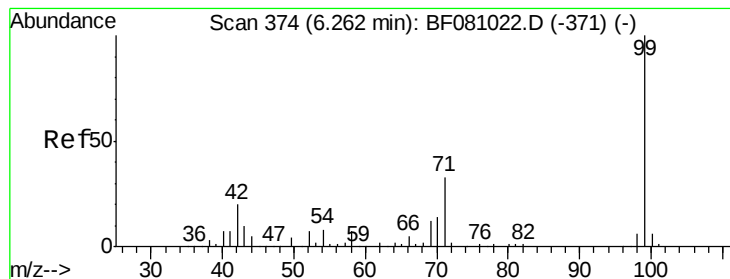
2-Fluorophenol
Concen: 134.68 ng
RT: 5.11 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion:112 Resp: 625067
Ion Ratio Lower Upper
112 100
64 67.4 66.9 100.3
63 35.5 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: 112.02 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

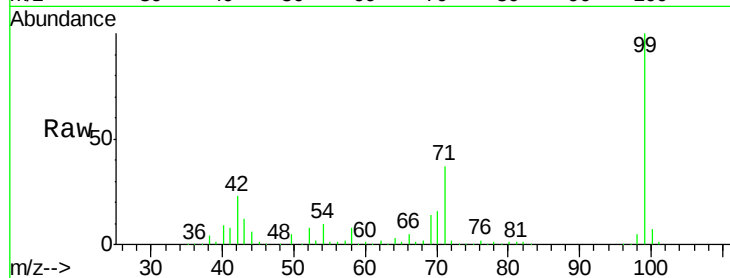
Tot Ion: 99 Resp: 678328

Ion Ratio Lower Upper

99 100

42 23.1 19.6 29.4

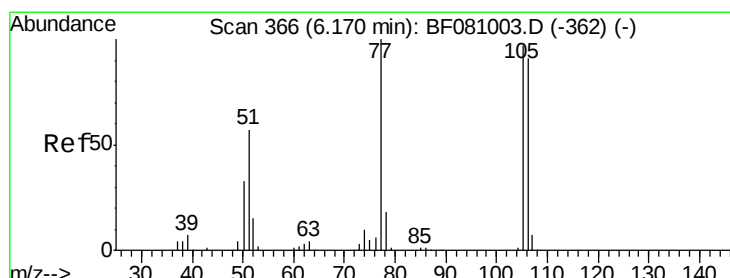
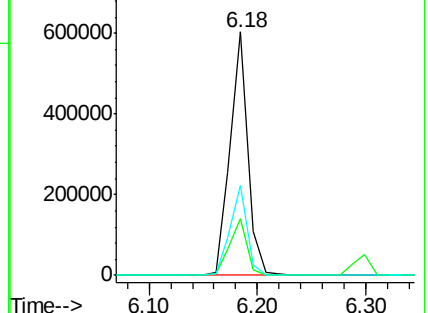
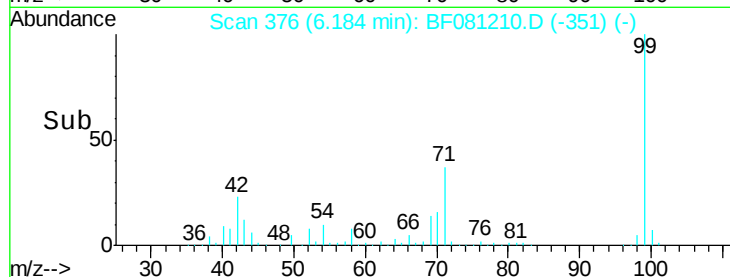
71 36.9 31.2 46.8



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



#9

Benzaldehyde

Concen: 3.86 ng

RT: 6.30 min Scan# 386

Delta R.T. 0.22 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

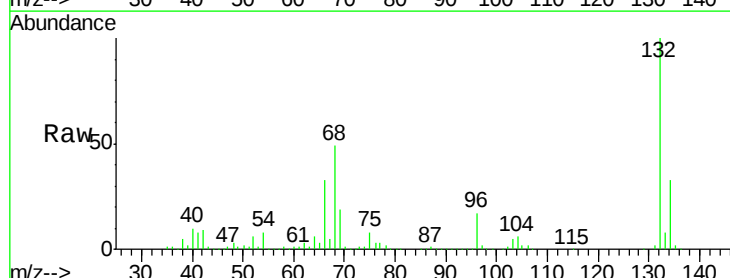
Tgt Ion: 77 Resp: 15066

Ion Ratio Lower Upper

77 100

105 70.3 69.6 109.6

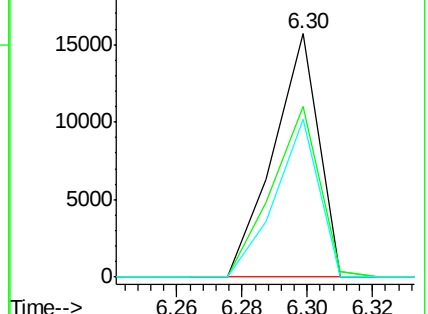
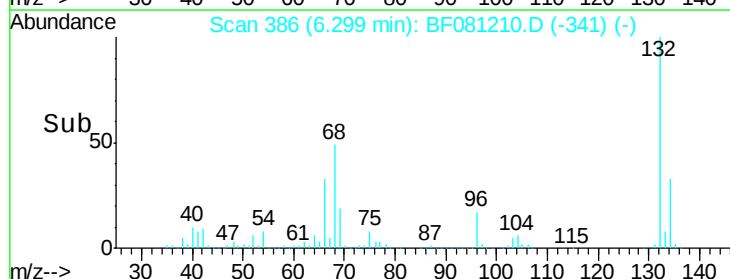
106 64.8 64.0 104.0

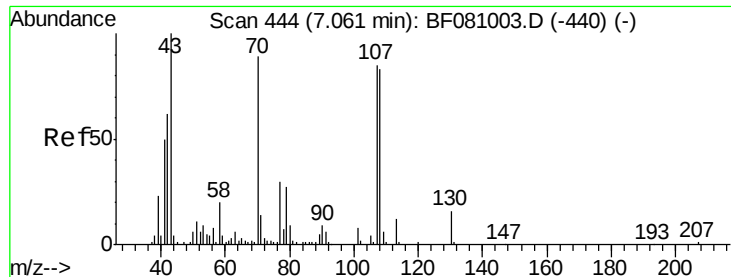


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

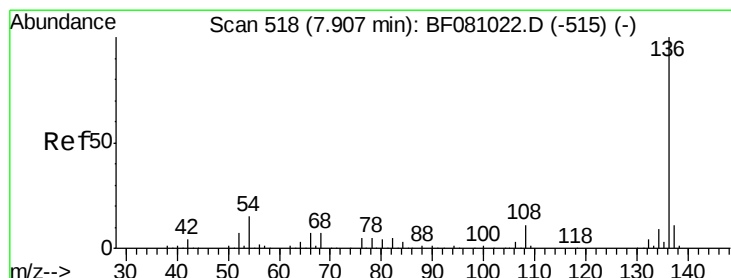
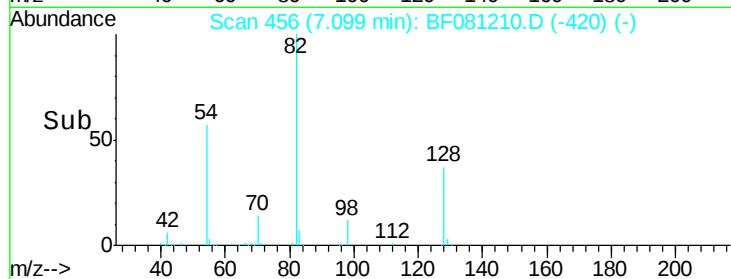
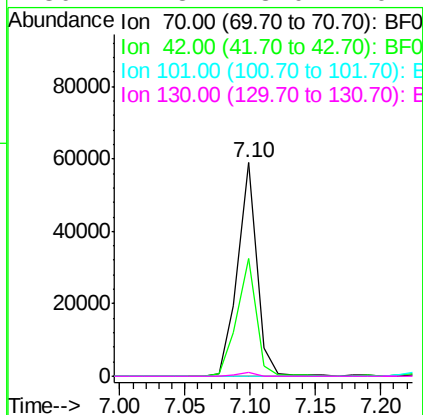
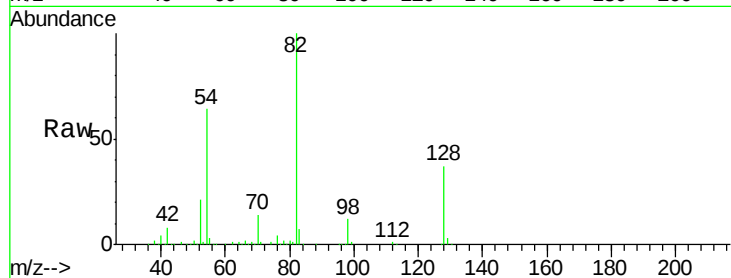




#19
n-Nitroso-di-n-propylamine
Concen: 14.48 ng
RT: 7.10 min Scan# 456
Delta R.T. 0.11 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

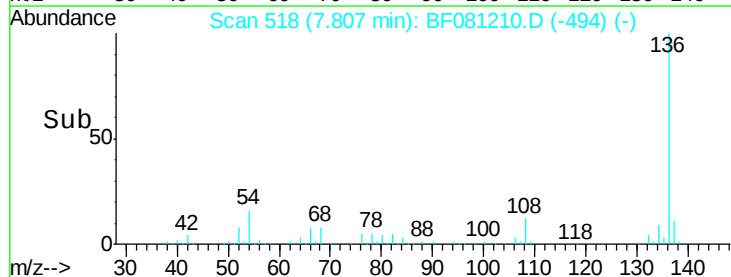
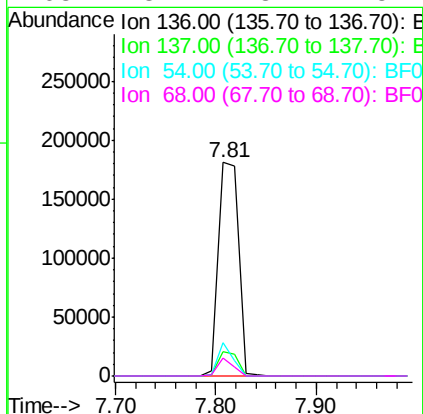
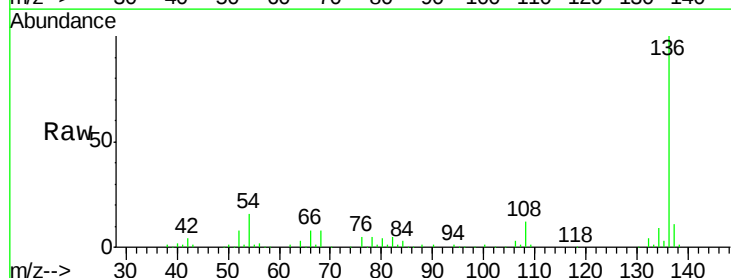
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 60731
Ion Ratio Lower Upper
70 100
42 54.9 65.0 97.4#
101 0.0 7.4 11.2#
130 1.8 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion: 136 Resp: 253719
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 15.6 7.7 11.5#
68 8.2 3.4 5.2#

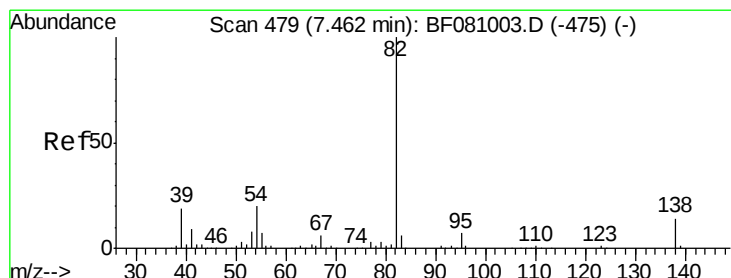
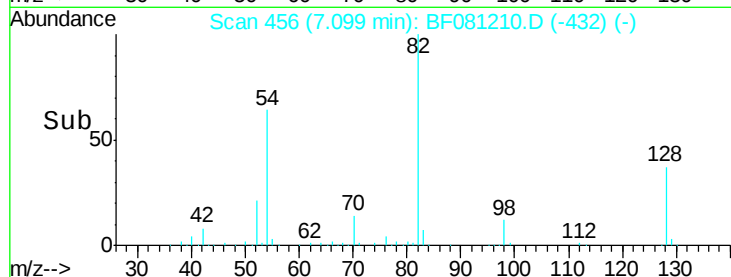
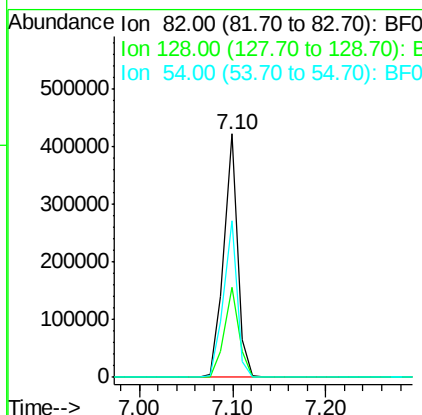
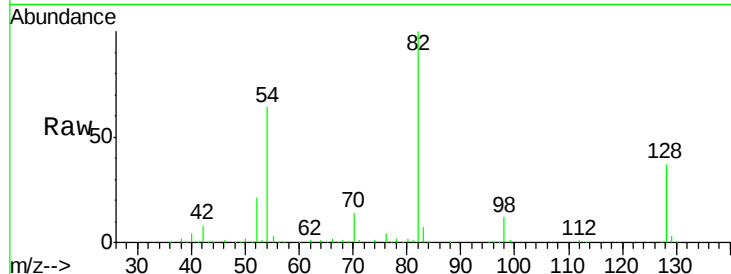




#23
 Nitrobenzene-d5
 Concen: 78.86 ng
 RT: 7.10 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

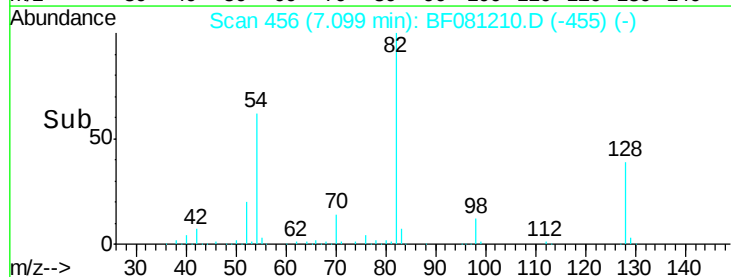
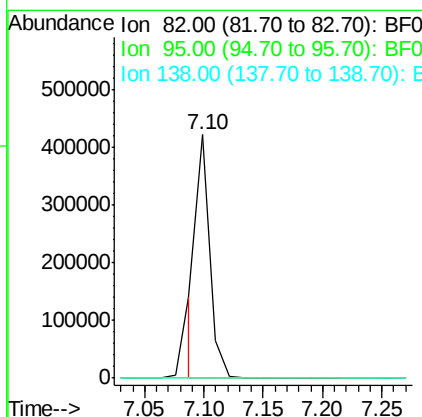
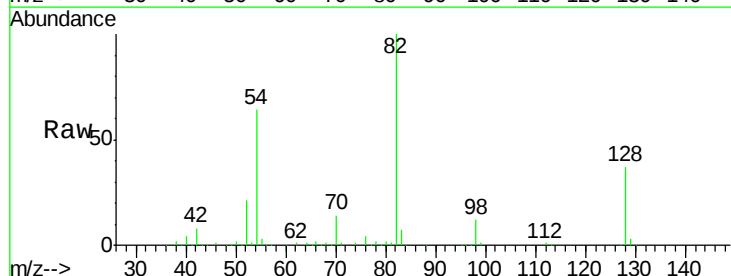
Instrument :
 BNA_F
 ClientSampleId :

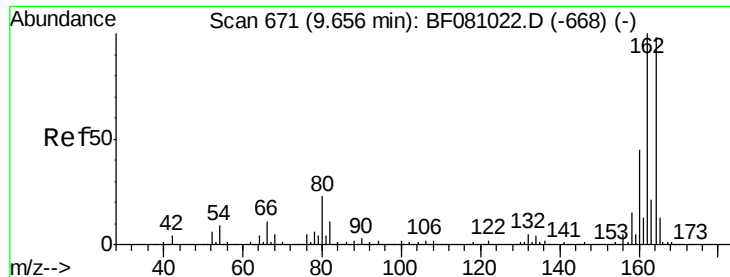
Tot Ion	82	Resp	437982
Ion Ratio	Lower	Upper	
82	100		
128	36.8	28.6	42.8
54	64.1	55.1	82.7



#25
 Isophorone
 Concen: 32.50 ng
 RT: 7.10 min Scan# 456
 Delta R.T. -0.29 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion	82	Resp	336589
Ion Ratio	Lower	Upper	
82	100		
95	0.1	6.2	9.2#
138	0.0	10.5	15.7#

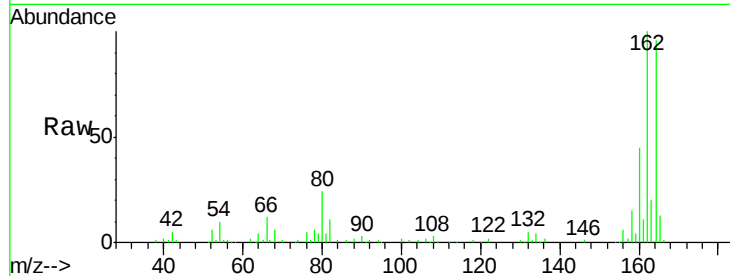




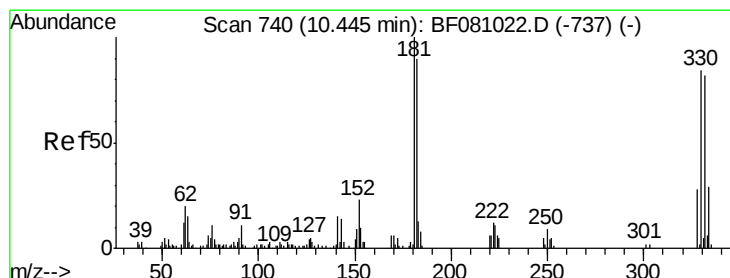
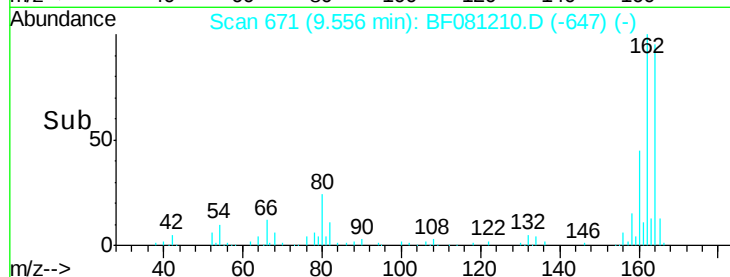
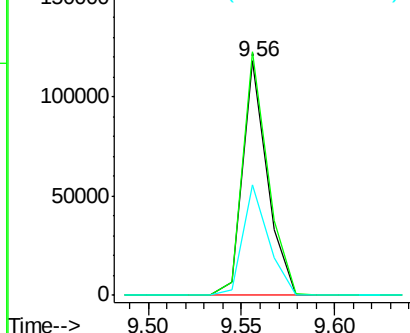
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 108529
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.8 125.8
 160 47.0 39.8 59.8

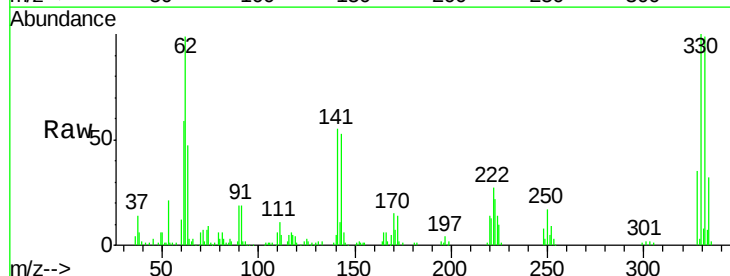


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

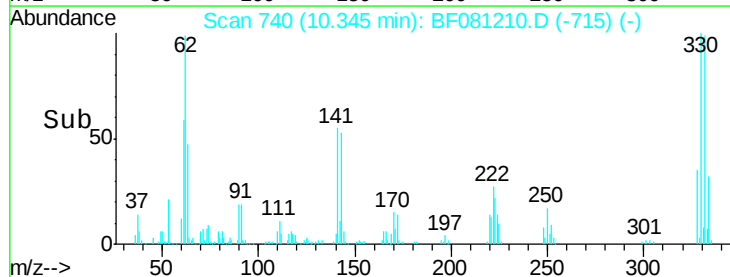
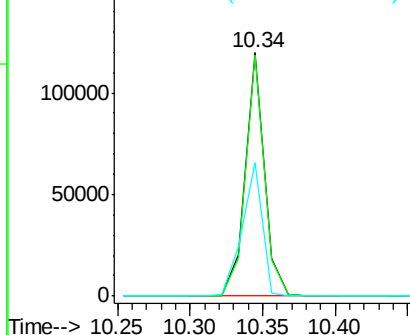


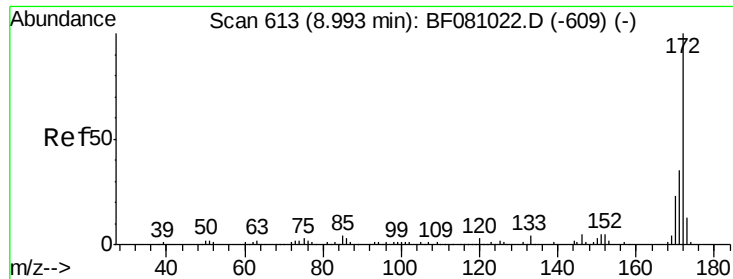
#41
 2,4,6-Tribromophenol
 Concen: 116.57 ng
 RT: 10.34 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion:330 Resp: 109670
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.3 115.9
 141 58.2 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

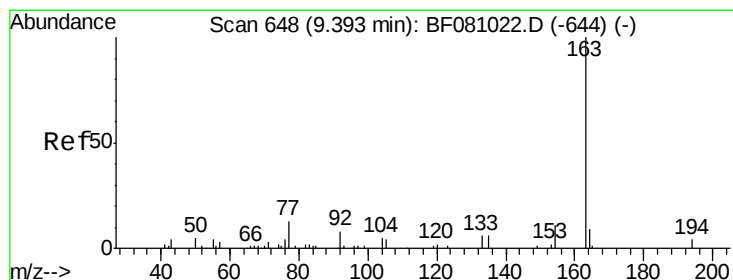
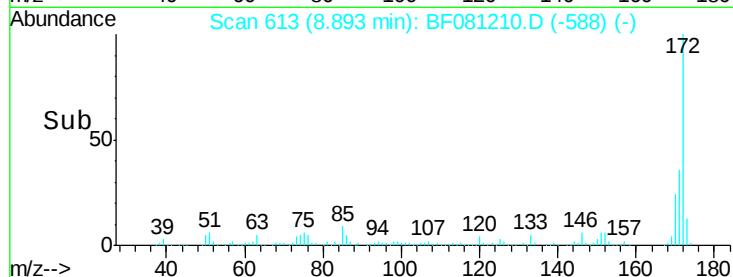
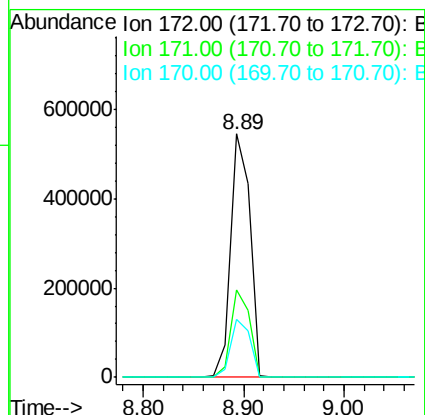
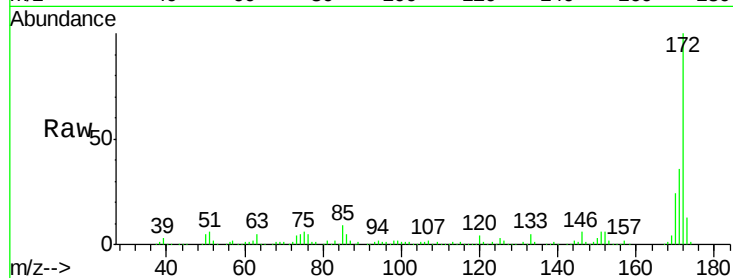




#44
 2-Fluorobiphenyl
 Concen: 87.81 ng
 RT: 8.89 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

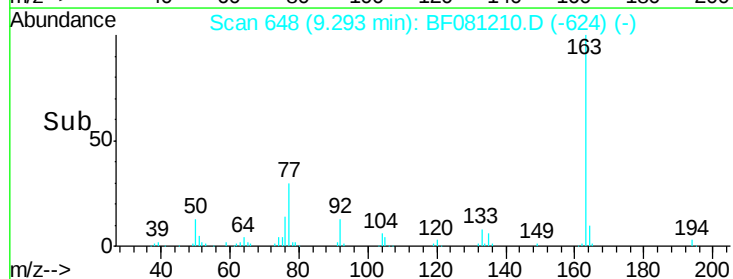
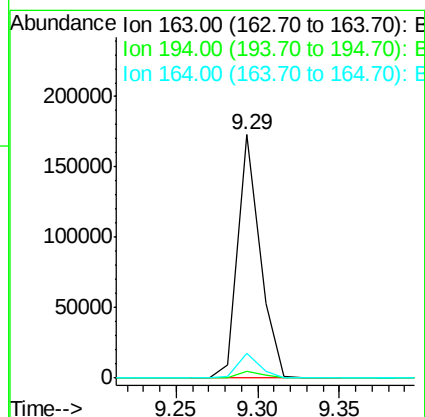
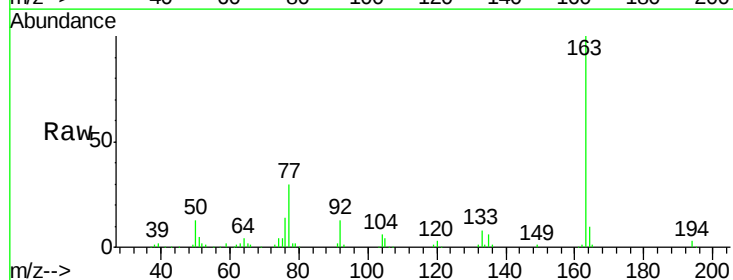
Instrument :
 BNA_F
 ClientSampleId :

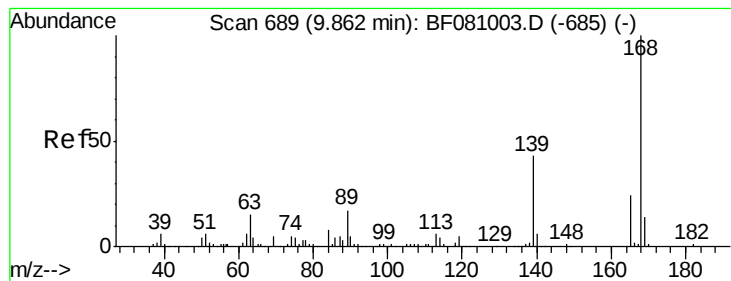
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	23.9	19.4	29.2



#49
 Dimethylphthalate
 Concen: 18.14 ng
 RT: 9.29 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.5	3.7
164	10.2	8.1	12.1

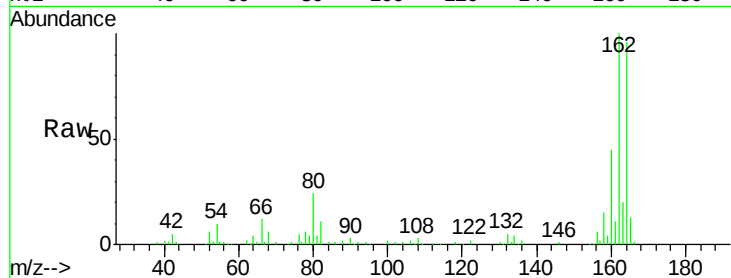




#56
 2,4-Dinitrotoluene
 Concen: 5.62 ng
 RT: 9.56 min Scan# 671
 Delta R.T. -0.22 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#

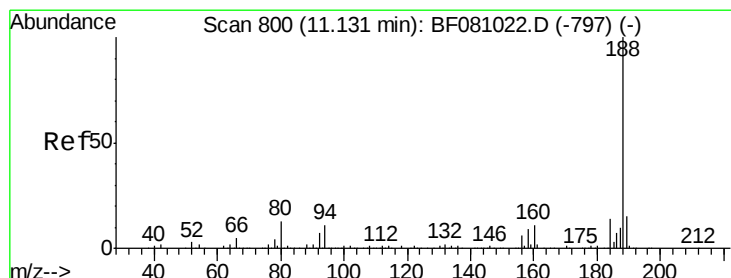
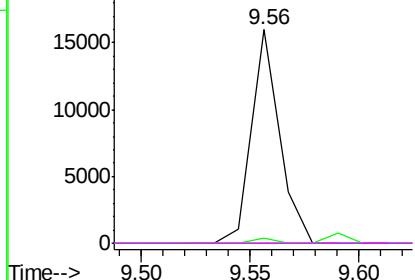
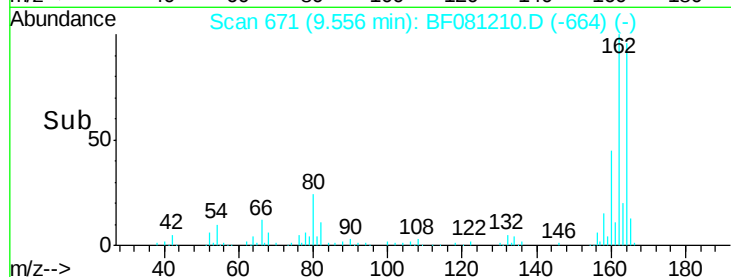


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

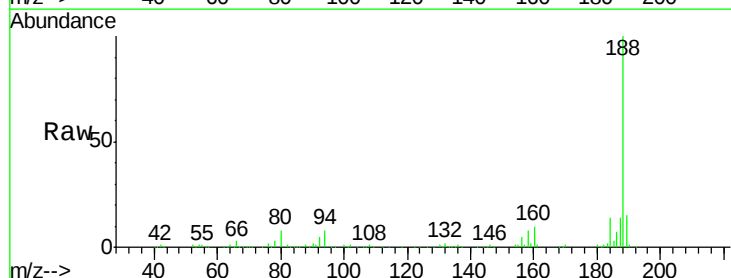
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.03 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

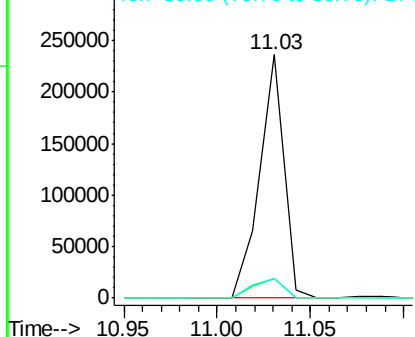
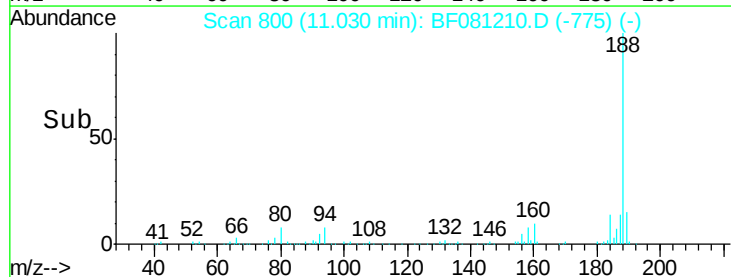
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.2	12.2
80	8.1	9.5	14.3#

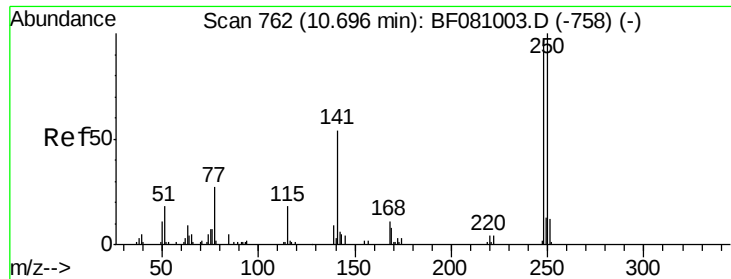


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

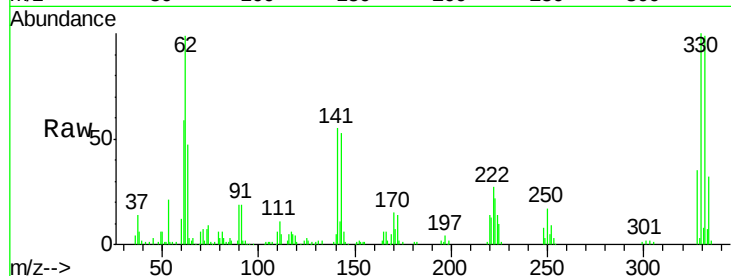




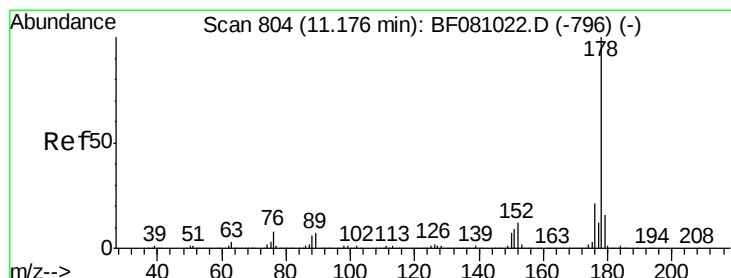
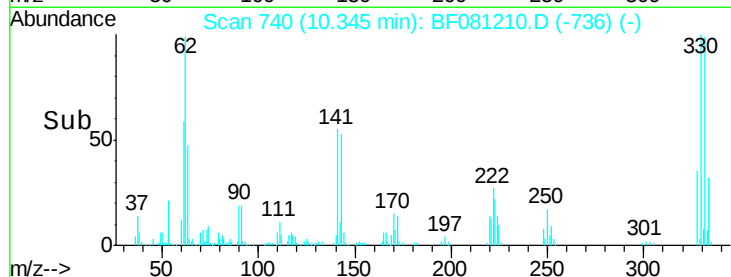
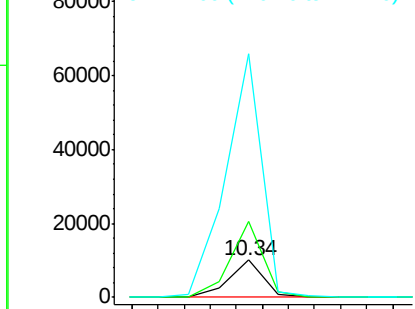
#66
 4-Bromophenyl-phenylether
 Concen: 4.29 ng
 RT: 10.34 min Scan# 740
 Delta R.T. -0.25 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8985
 Ion Ratio Lower Upper
 248 100
 250 206.5 77.8 116.6#
 141 657.7 39.8 59.6#

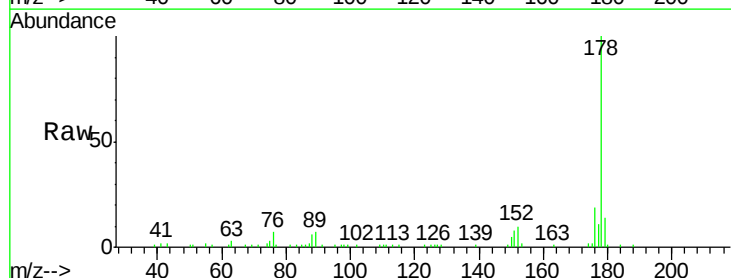


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

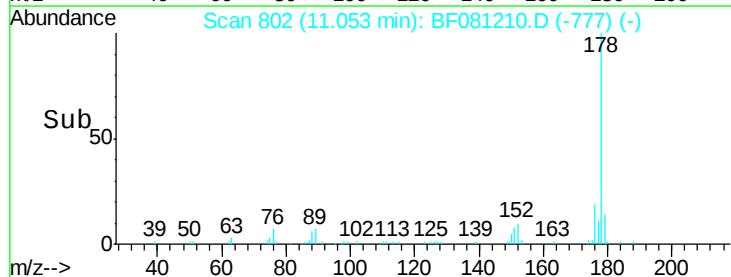
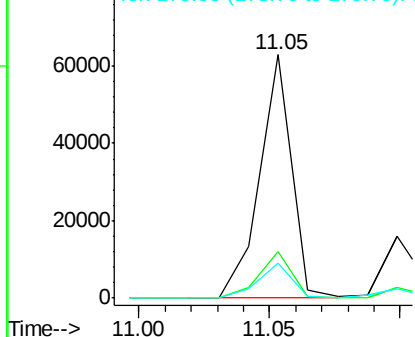


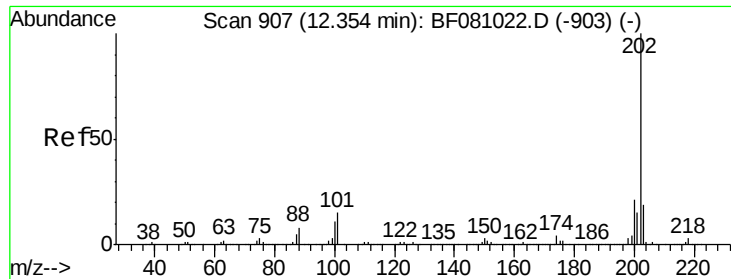
#70
 Phenanthrene
 Concen: 4.28 ng
 RT: 11.05 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF081210.D
 Acq: 25 Aug 2015 21:08

Tgt Ion:178 Resp: 54077
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.7 23.5
 179 14.1 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: 5.64 ng

RT: 12.23 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

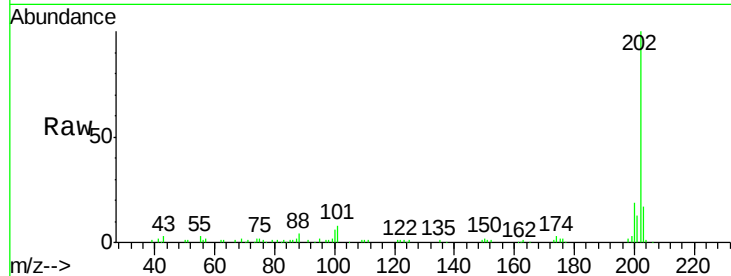
Tot Ion:202 Resp: 76788

Ion Ratio Lower Upper

202 100

101 7.9 0.0 24.8

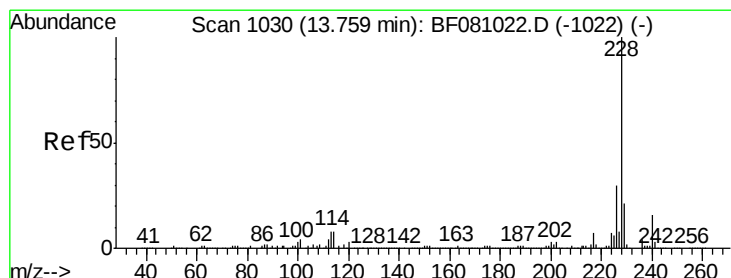
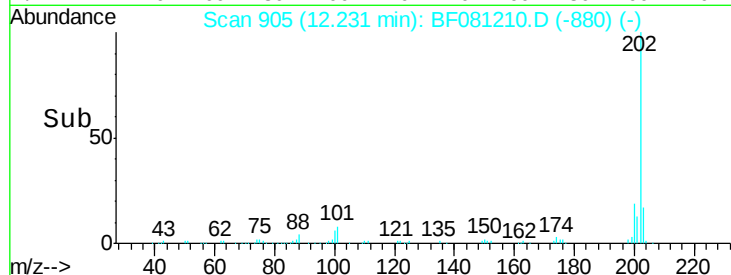
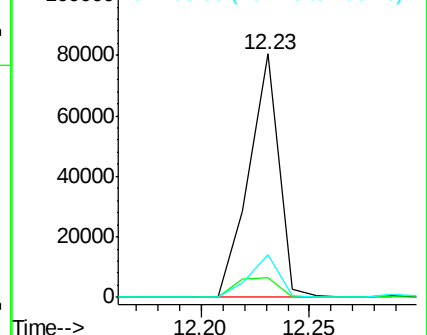
203 17.3 0.0 36.9



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: 13.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

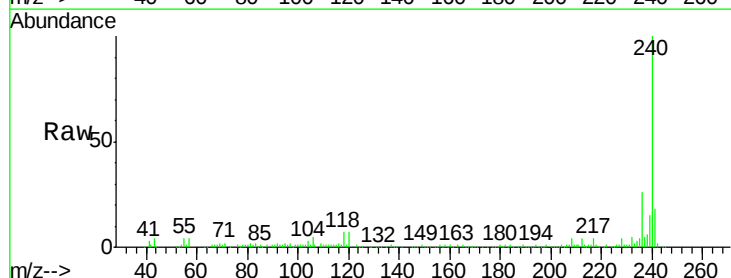
Tgt Ion:240 Resp: 134914

Ion Ratio Lower Upper

240 100

120 7.2 5.6 8.4

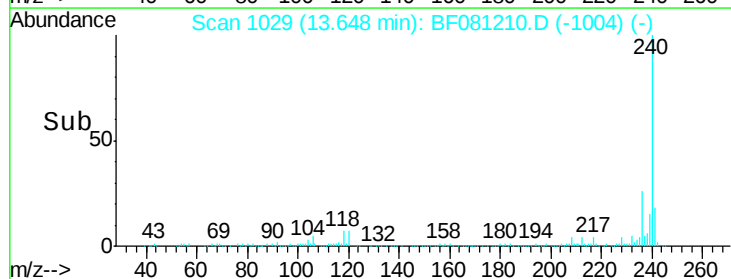
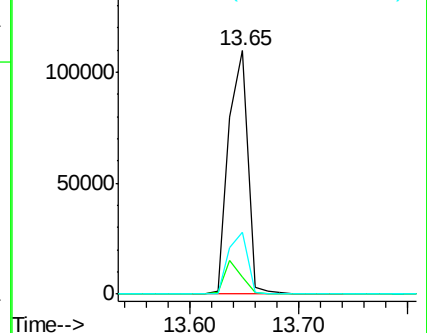
236 25.6 20.6 30.8

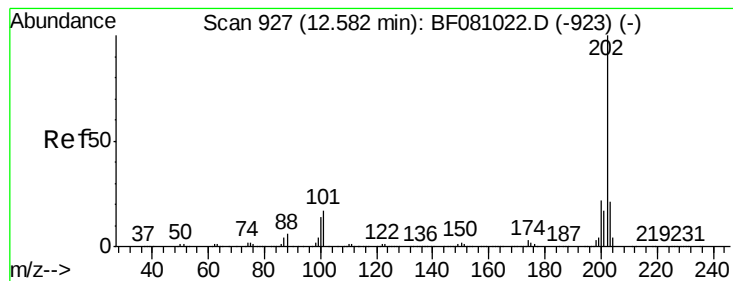


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.03 ng

RT: 12.45 min Scan# 924

Delta R.T. -0.02 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

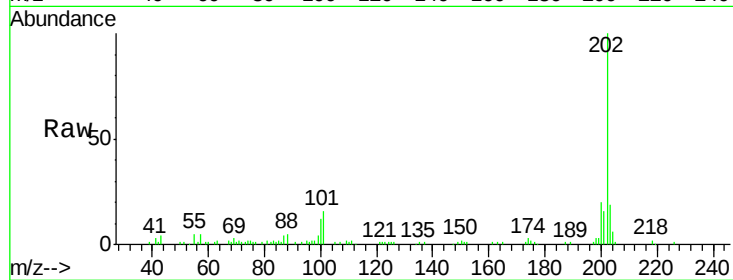
Tot Ion:202 Resp: 66088

Ion Ratio Lower Upper

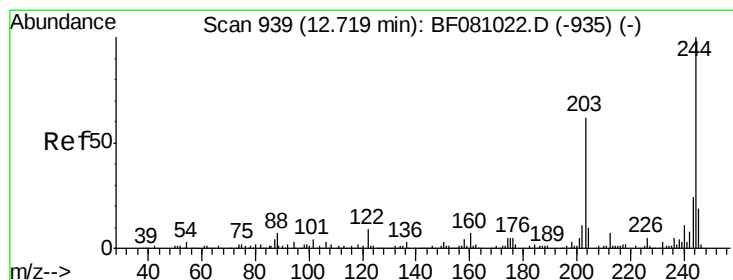
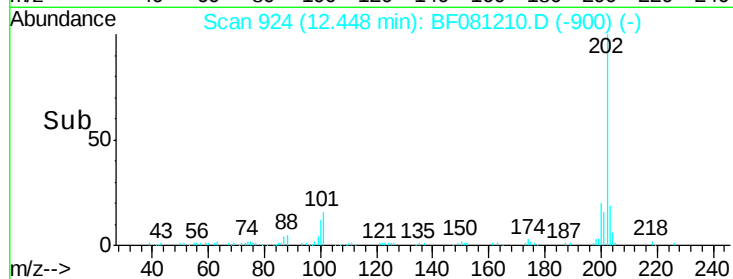
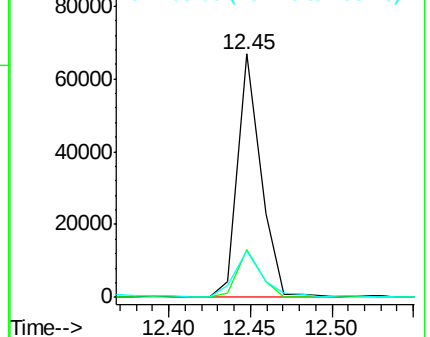
202 100

200 19.7 16.6 24.8

203 19.2 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: 95.23 ng

RT: 12.62 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

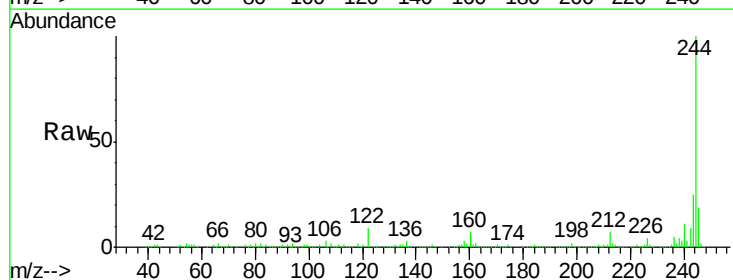
Tgt Ion:244 Resp: 599326

Ion Ratio Lower Upper

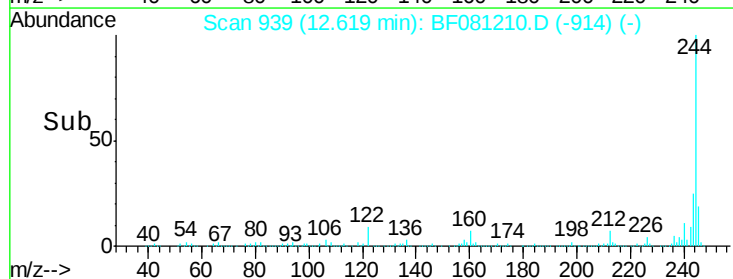
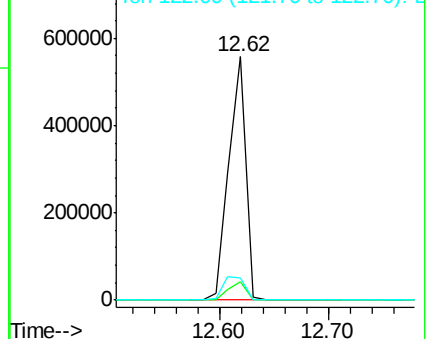
244 100

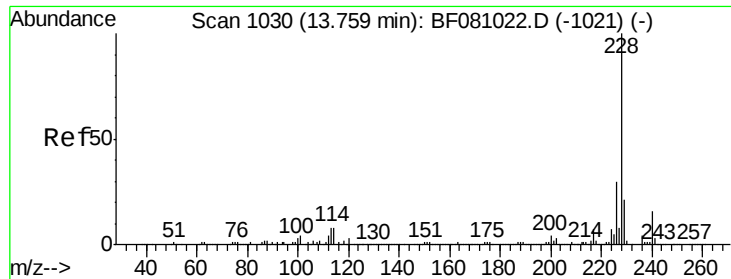
212 7.3 5.8 8.8

122 9.2 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: 2.95 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

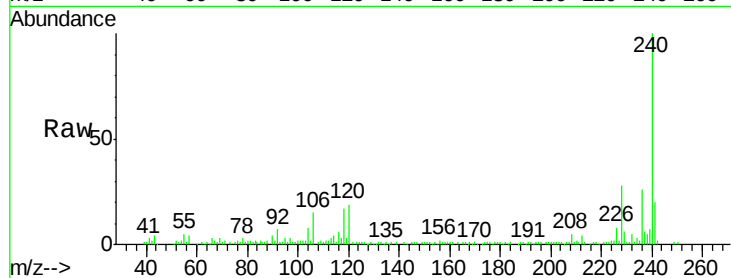
Tot Ion:228 Resp: 26735

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

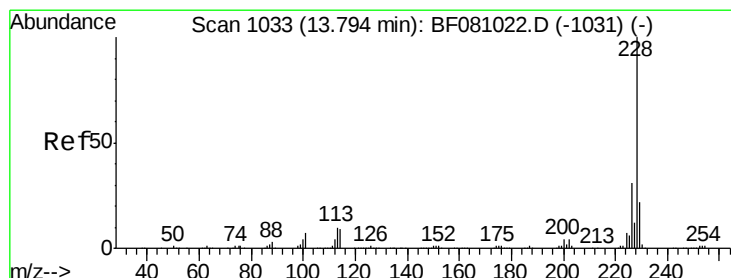
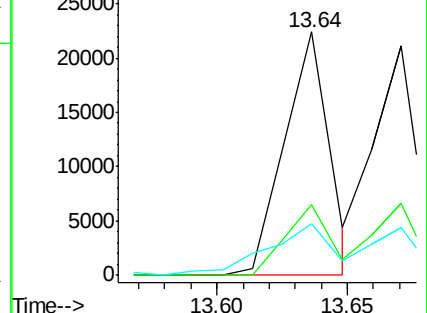
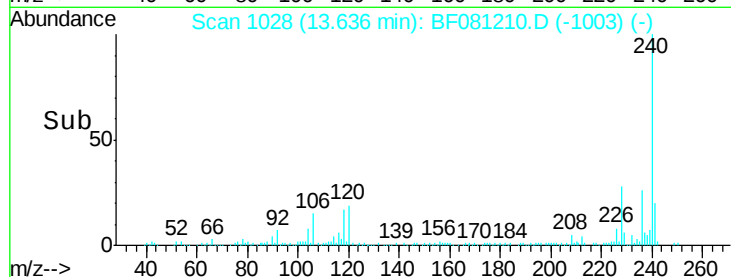
229 21.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.28 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

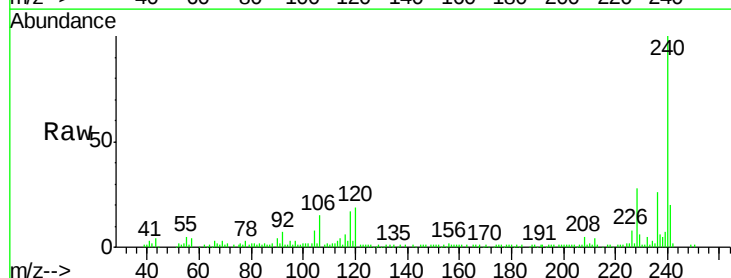
Tgt Ion:228 Resp: 26735

Ion Ratio Lower Upper

228 100

226 29.1 24.4 36.6

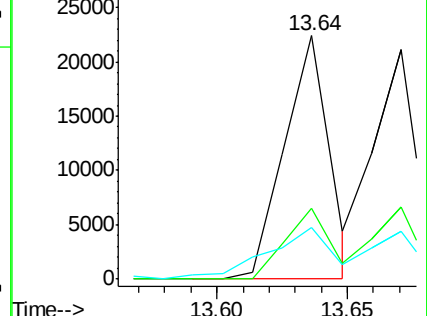
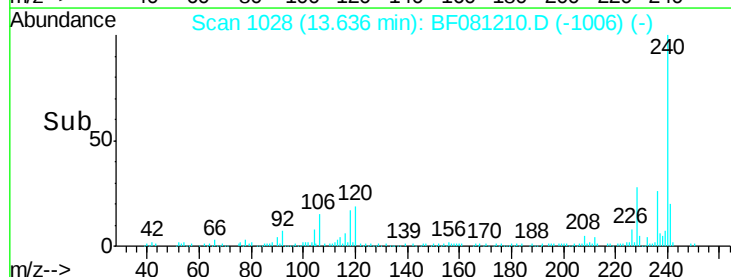
229 21.3 16.0 24.0

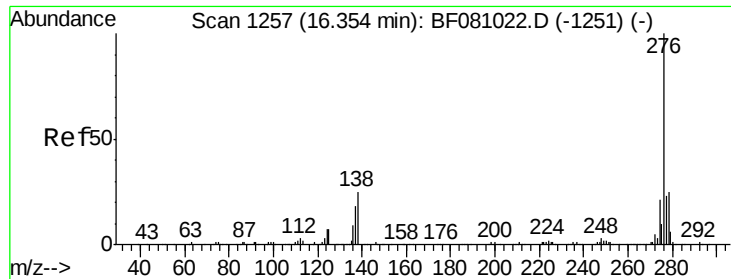


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

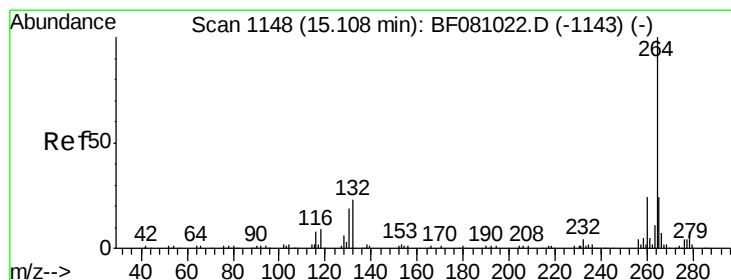
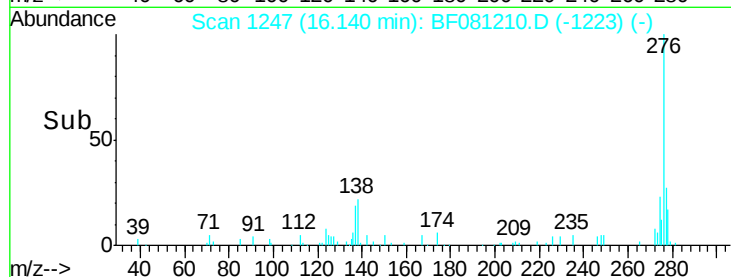
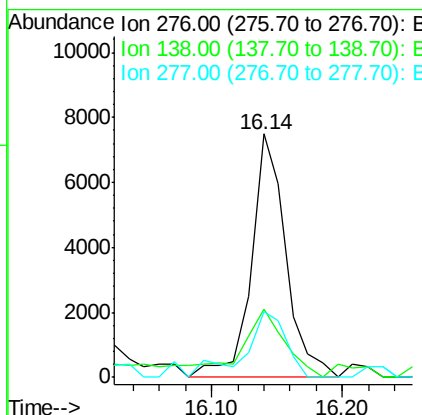
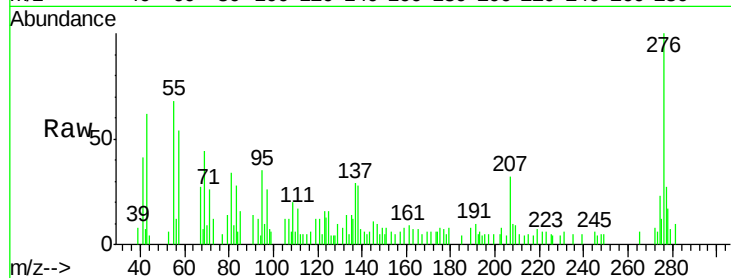




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.41 ng
RT: 16.14 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

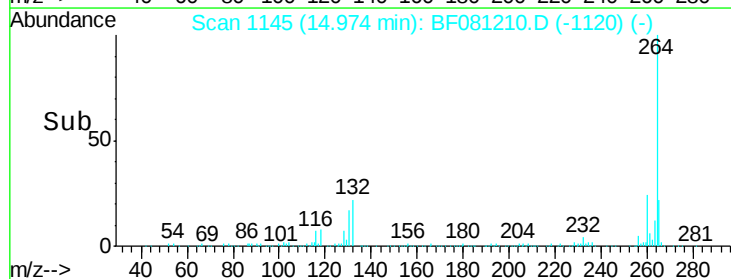
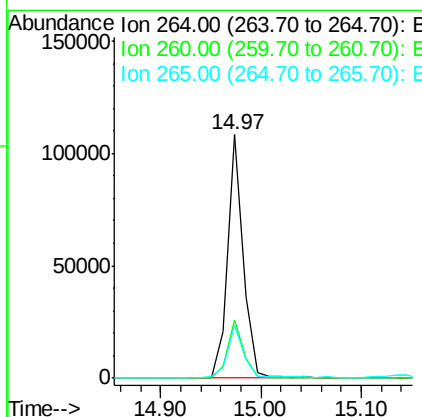
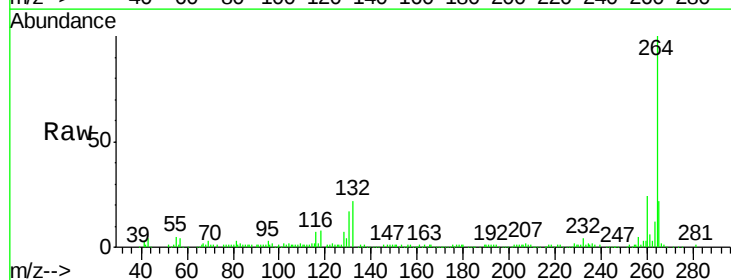
Instrument :
BNA_F
ClientSampleId :

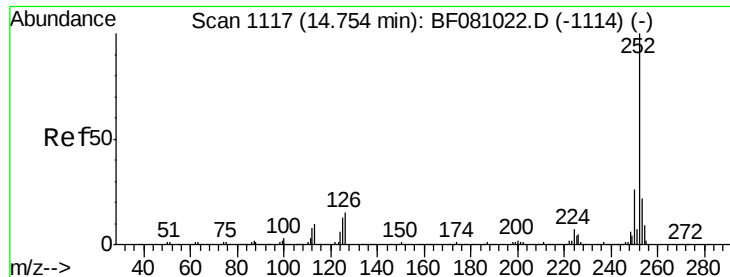
Tot Ion:276 Resp: 13822
Ion Ratio Lower Upper
276 100
138 32.9 18.6 28.0#
277 34.2 19.8 29.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF081210.D
Acq: 25 Aug 2015 21:08

Tgt Ion:264 Resp: 117825
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 21.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.65 ng

RT: 14.63 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

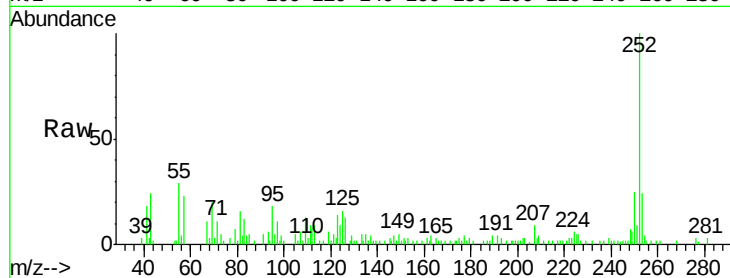
Tot Ion:252 Resp: 38796

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

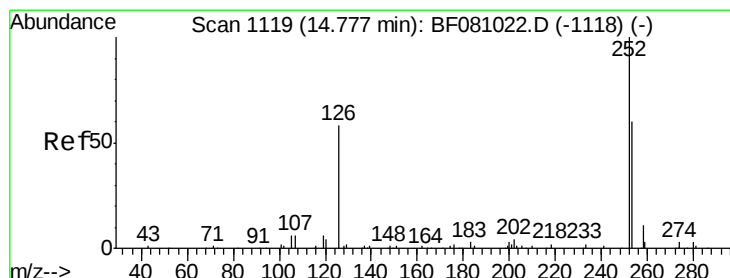
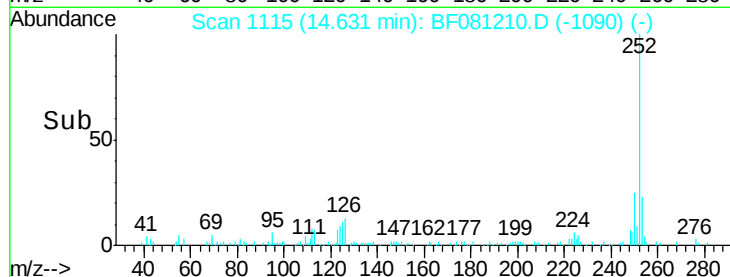
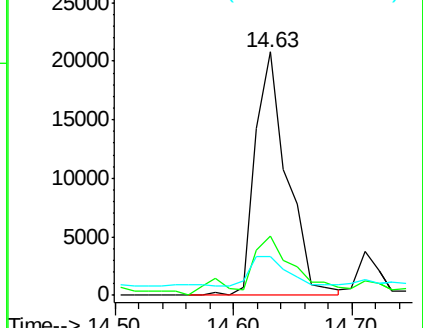
125 15.9 8.0 12.0#



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



#88

Benzo(k)fluoranthene

Concen: 5.00 ng

RT: 14.63 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

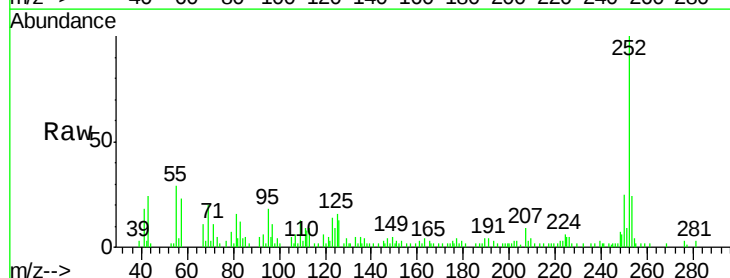
Tgt Ion:252 Resp: 38796

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

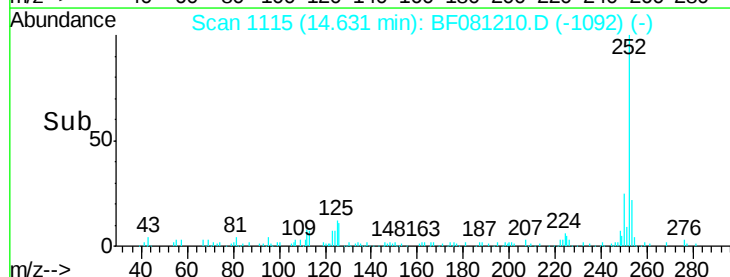
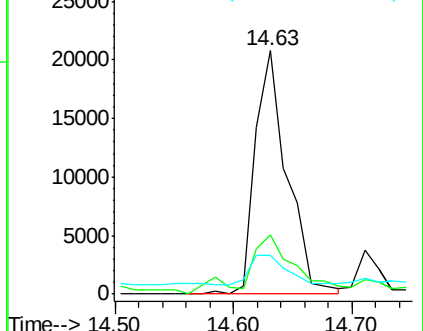
125 15.9 10.3 15.5#

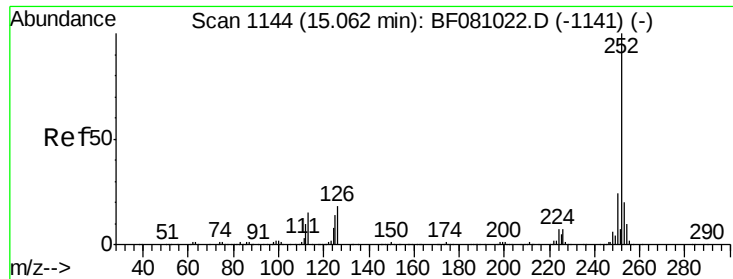


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.11 ng

RT: 14.92 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

Instrument :

BNA_F

ClientSampleId :

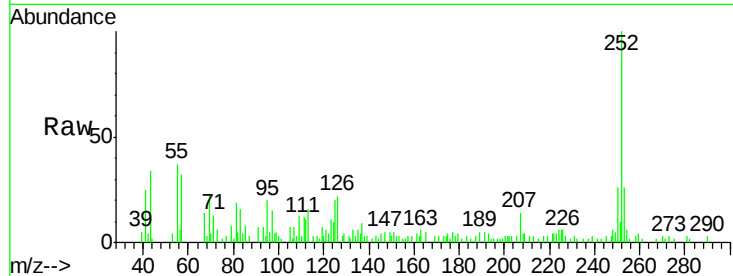
Tot Ion:252 Resp: 22566

Ion Ratio Lower Upper

252 100

253 25.7 16.6 25.0#

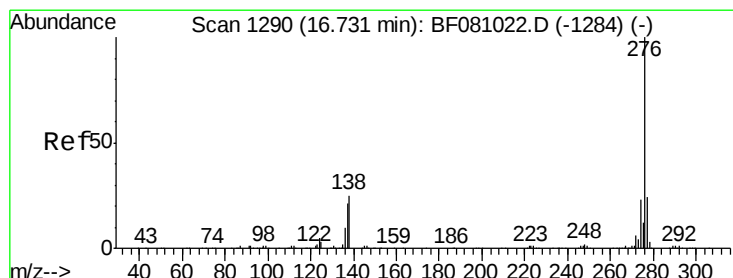
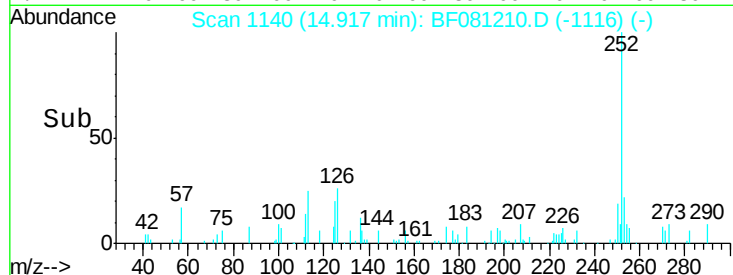
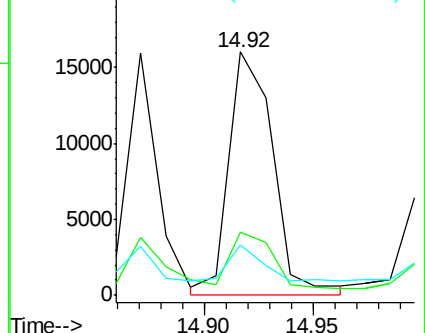
125 20.5 7.8 11.8#



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: 2.31 ng

RT: 16.49 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF081210.D

Acq: 25 Aug 2015 21:08

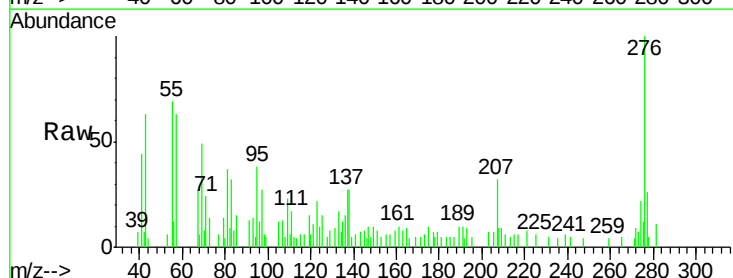
Tgt Ion:276 Resp: 13236

Ion Ratio Lower Upper

276 100

277 25.6 18.2 27.2

138 26.7 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

