

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\
 Data File : BF081058.D
 Acq On : 18 Aug 2015 23:33
 Operator : UM/IZ
 Sample : G3278-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 00:41:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	71473	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	273434	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	130966	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	252553	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	221954	20.00	ng	-0.02
86) Perylene-d12	15.07	264	170481	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	276707	58.23	ng	-0.01
7) Phenol-d6	6.25	99	233591	37.68	ng	-0.01
23) Nitrobenzene-d5	7.19	82	586284	97.95	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	178375	157.12	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	944222	94.47	ng	-0.02
78) Terphenyl-d14	12.70	244	835040	80.66	ng	-0.01

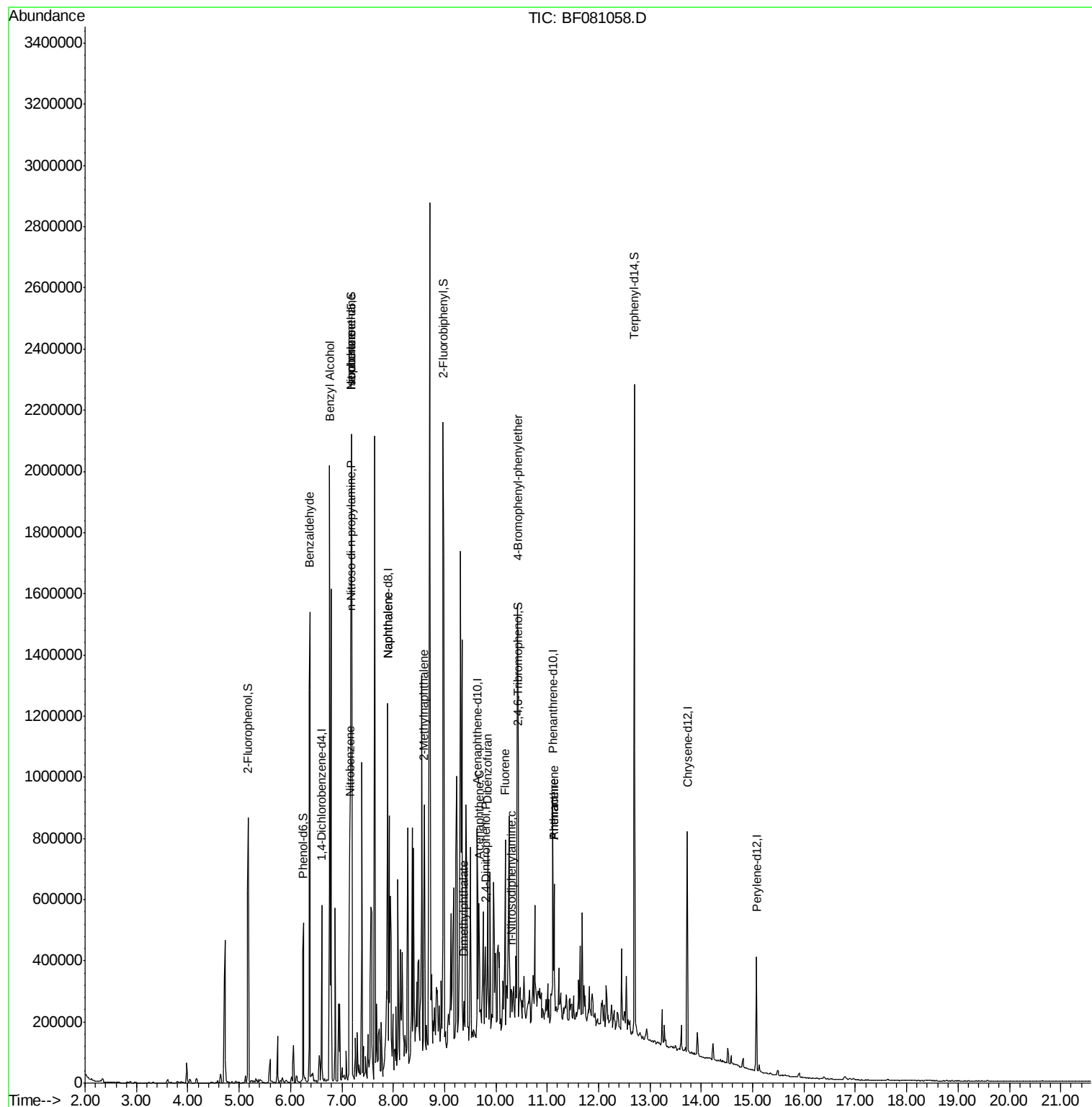
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	13956	3.49	ng	89
15) Benzyl Alcohol	6.76	79	13440	2.68	ng	# 53
18) Hexachloroethane	7.19	117	446780	199.81	ng	# 10
19) n-Nitroso-di-n-propylamine	7.18	70	79031	18.40	ng	# 72
24) Nitrobenzene	7.15	77	58765	9.39	ng	# 13
25) Isophorone	7.19	82	496012	44.44	ng	# 71
31) Naphthalene	7.90	128	47275	3.10	ng	# 1
37) 2-Methylnaphthalene	8.60	142	191174	19.86	ng	99
49) Dimethylphthalate	9.37	163	31831	2.95	ng	98
51) Acenaphthene	9.67	154	79479	8.01	ng	99
53) 2,4-Dinitrophenol	9.79	184	221	2.86	ng	# 1
54) Dibenzofuran	9.84	168	86109	6.47	ng	# 82
57) Fluorene	10.18	166	143391	14.02	ng	97
65) n-Nitrosodiphenylamine	10.30	169	19504	2.16	ng	# 87
66) 4-Bromophenyl-phenylether	10.42	248	12689	5.11	ng	# 1
70) Phenanthrene	11.13	178	142673	9.53	ng	99
71) Anthracene	11.13	178	142673	9.80	ng	99

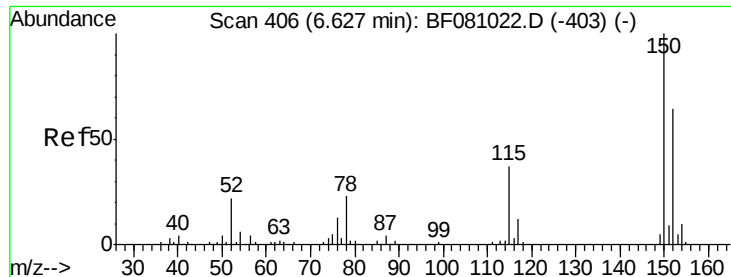
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampleId :

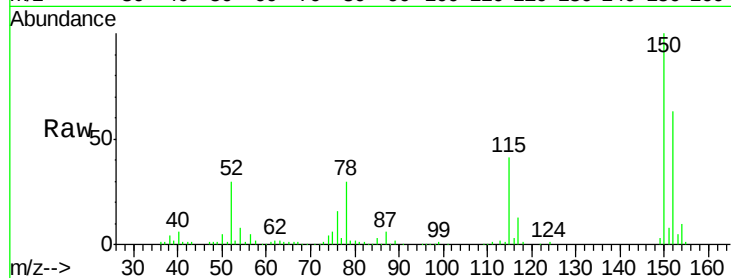
Tot Ion:152 Resp: 71473

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

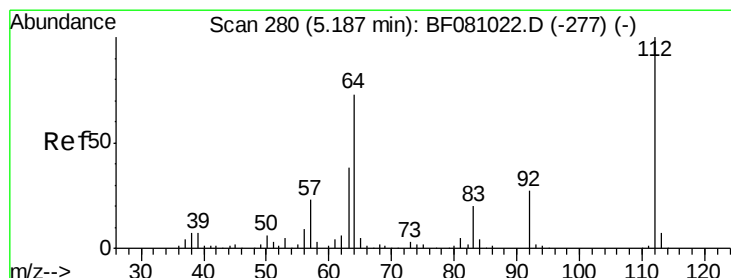
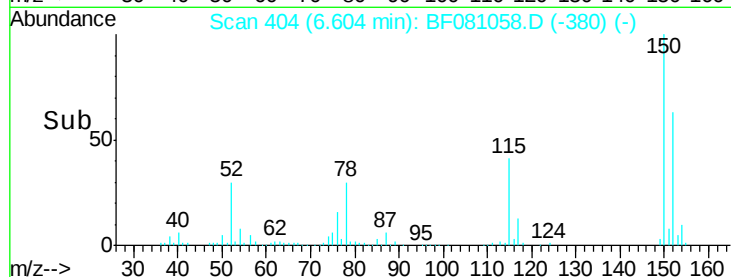
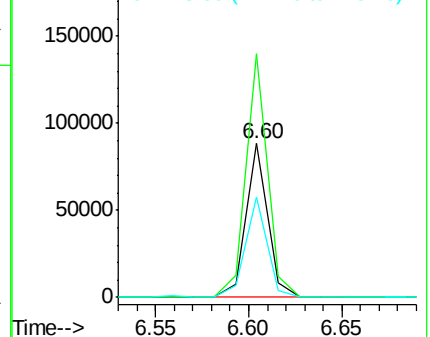
115 65.4 52.1 78.1



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: 58.23 ng

RT: 5.18 min Scan# 279

Delta R.T. -0.01 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

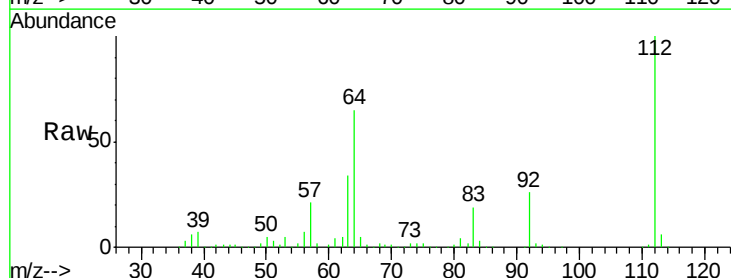
Tgt Ion:112 Resp: 276707

Ion Ratio Lower Upper

112 100

64 64.6 66.9 100.3#

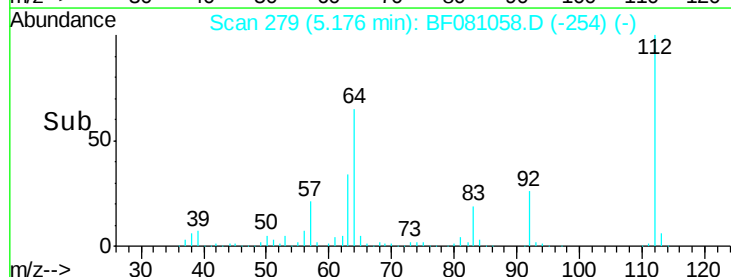
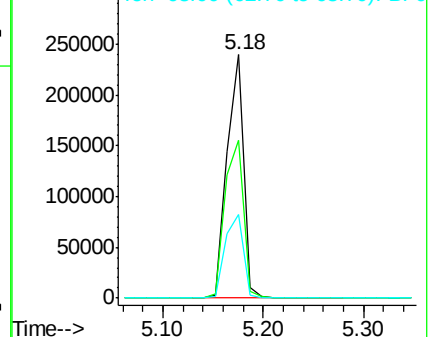
63 34.4 38.1 57.1#



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: 37.68 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampled :

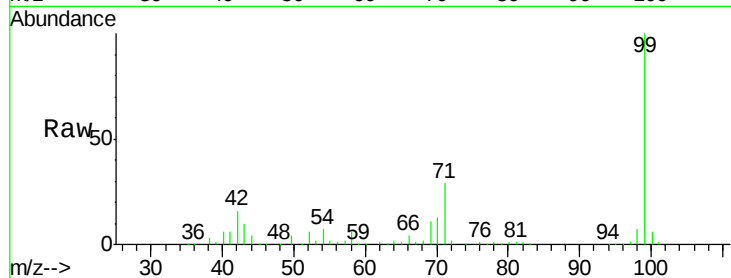
Tot Ion: 99 Resp: 233591

Ion Ratio Lower Upper

99 100

42 16.3 19.6 29.4#

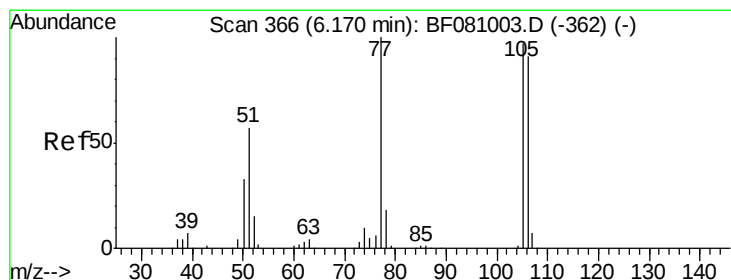
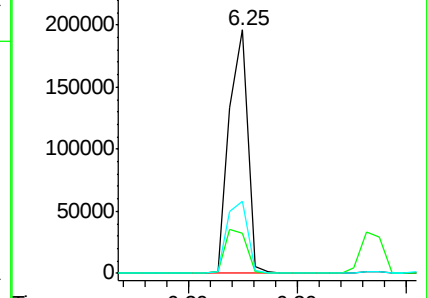
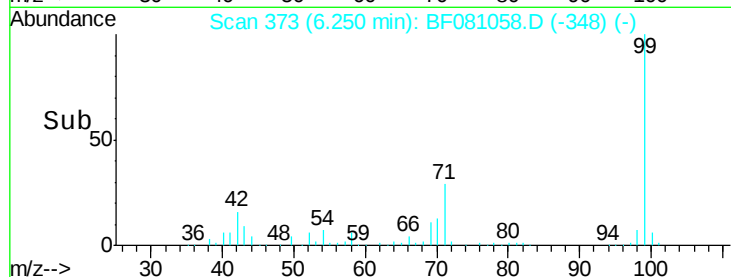
71 29.4 31.2 46.8#



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



#9

Benzaldehyde

Concen: 3.49 ng

RT: 6.38 min Scan# 384

Delta R.T. 0.22 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

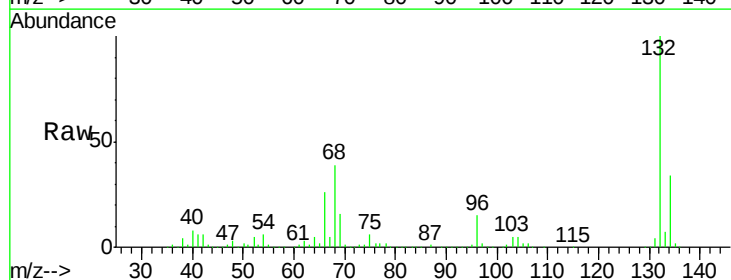
Tgt Ion: 77 Resp: 13956

Ion Ratio Lower Upper

77 100

105 83.6 69.6 109.6

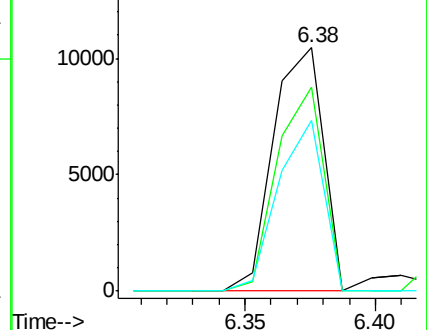
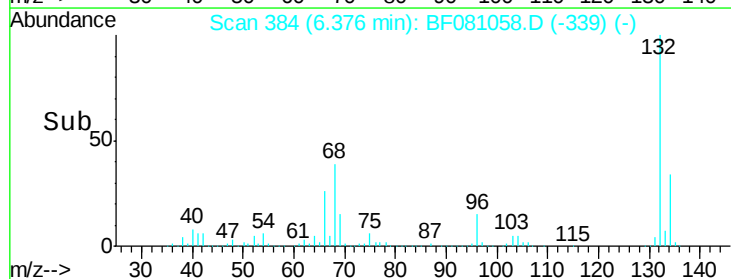
106 69.9 64.0 104.0

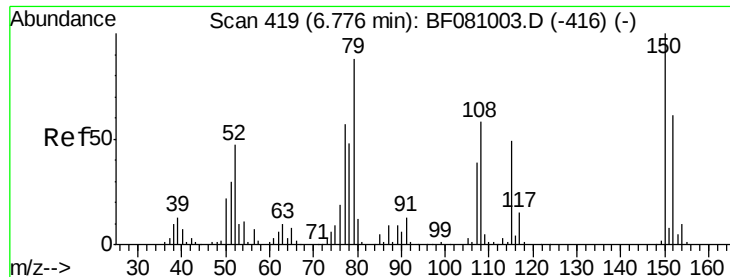


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.68 ng

RT: 6.76 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampled :

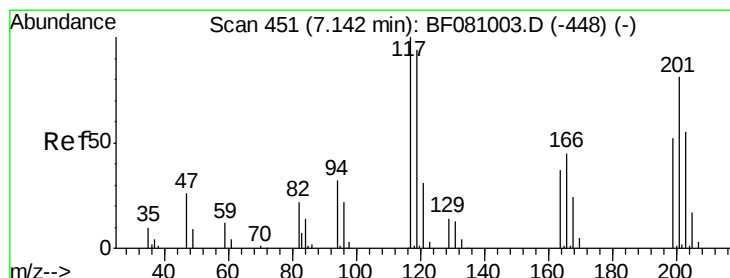
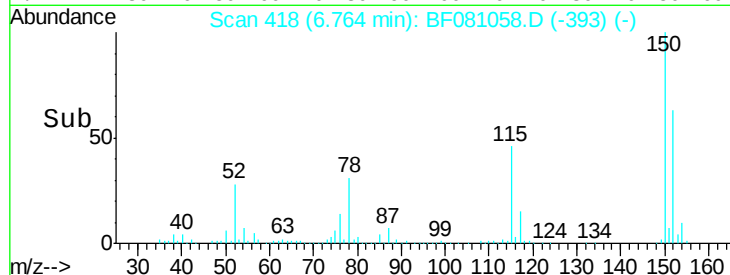
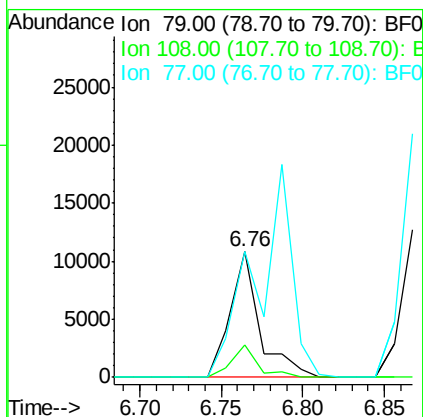
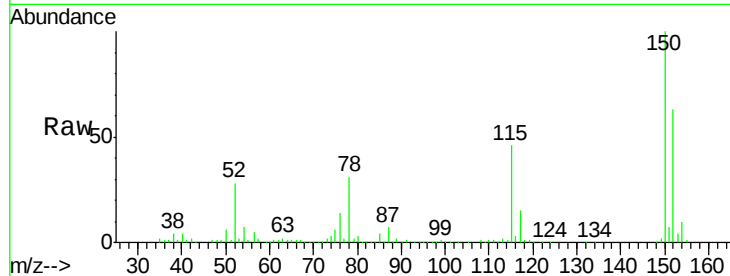
Tot Ion: 79 Resp: 13440

Ion Ratio Lower Upper

79 100

108 25.6 49.4 74.2#

77 100.4 51.4 77.0#



#18

Hexachloroethane

Concen: 199.81 ng

RT: 7.19 min Scan# 455

Delta R.T. 0.05 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

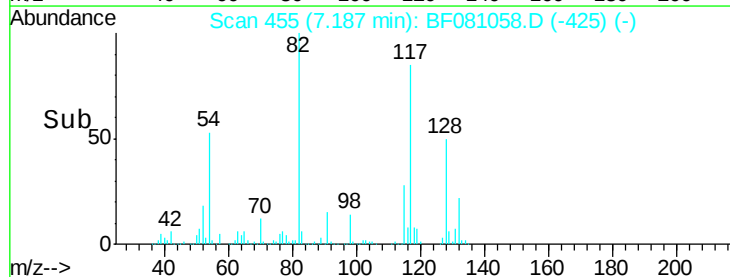
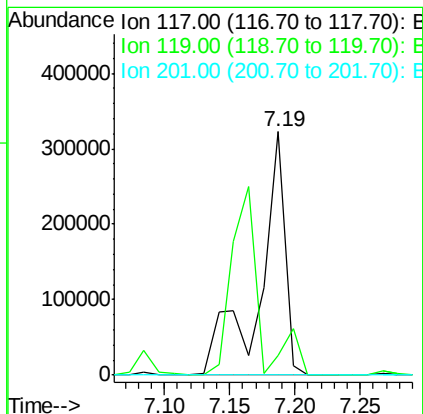
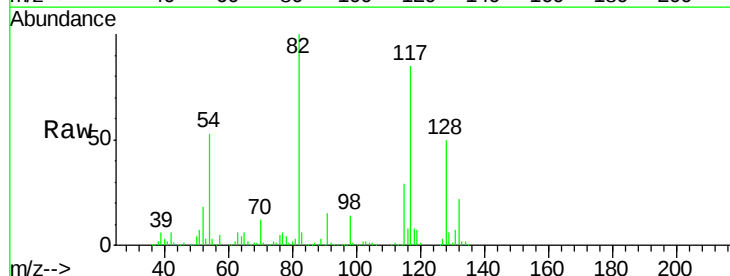
Tgt Ion: 117 Resp: 446780

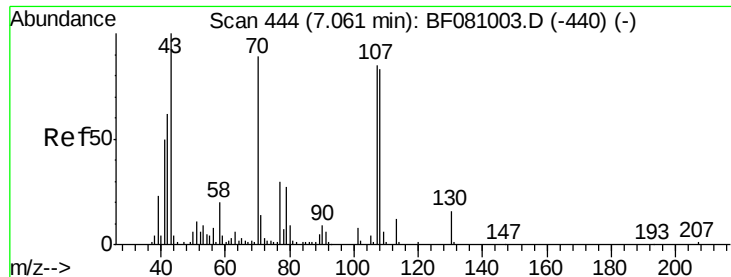
Ion Ratio Lower Upper

117 100

119 8.1 77.9 116.9#

201 0.0 61.3 91.9#

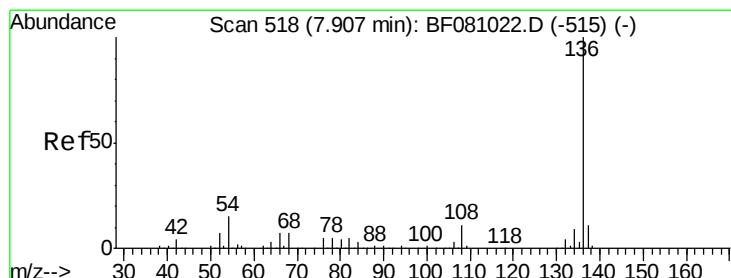
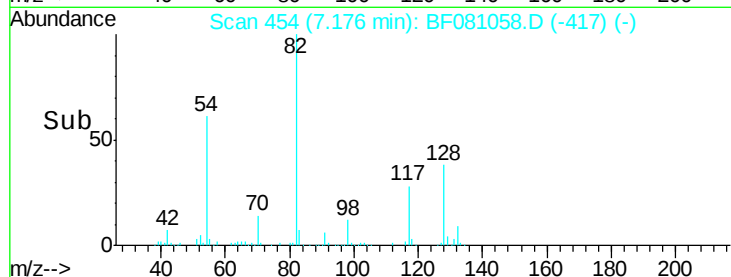
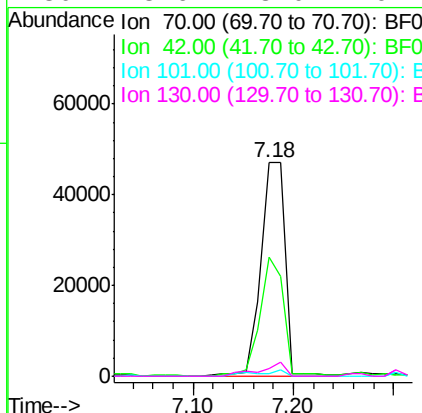
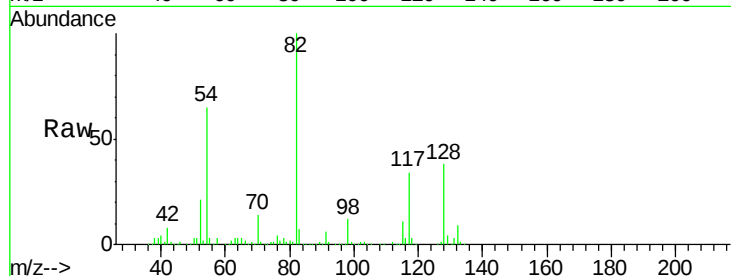




#19
n-Nitroso-di-n-propylamine
Concen: 18.40 ng
RT: 7.18 min Scan# 454
Delta R.T. 0.13 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

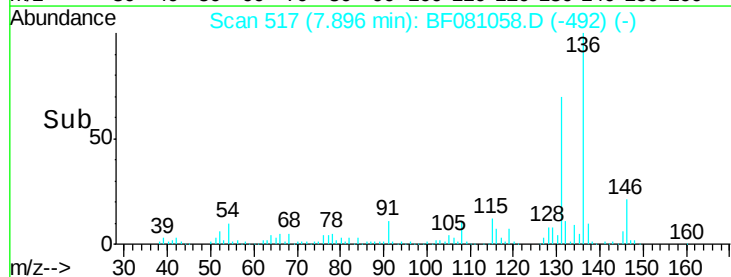
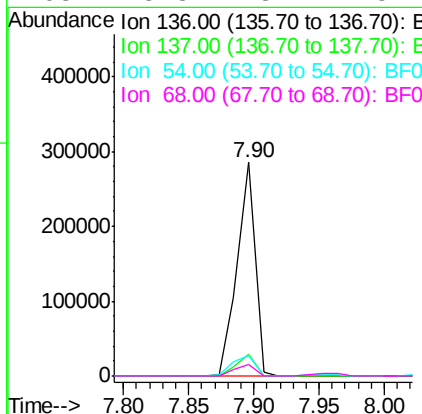
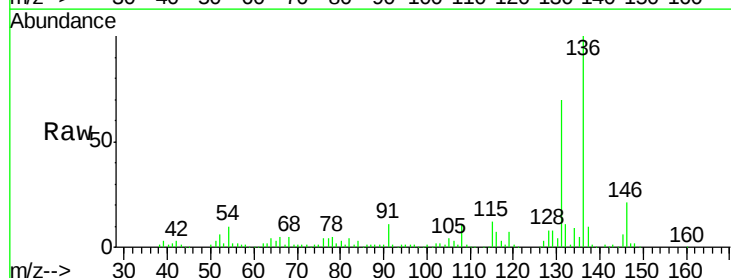
Instrument :
BNA_F
ClientSampleId :

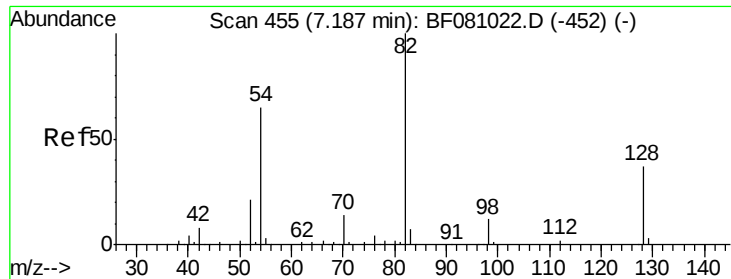
Tot Ion: 70 Resp: 79031
Ion Ratio Lower Upper
70 100
42 55.9 65.0 97.4#
101 1.3 7.4 11.2#
130 3.6 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Tgt Ion:136 Resp: 273434
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.2
54 9.8 7.7 11.5
68 5.3 3.4 5.2#

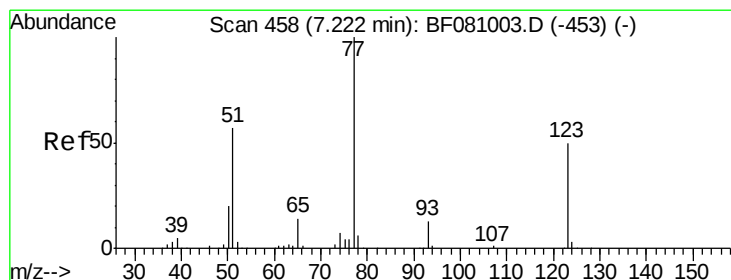
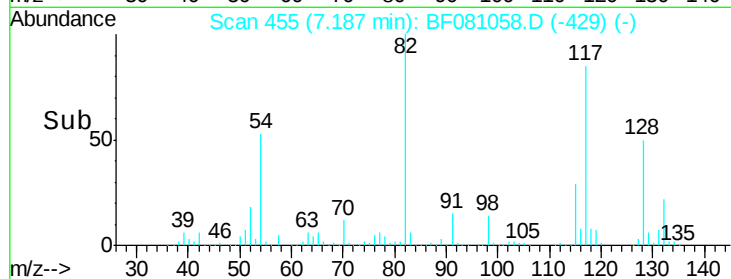
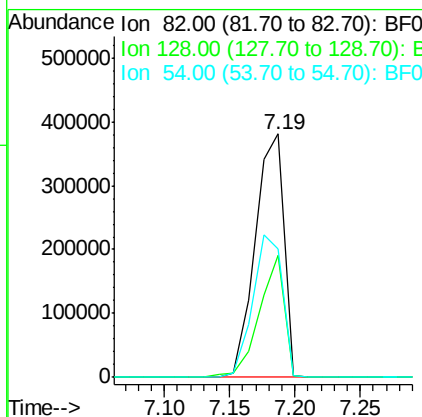
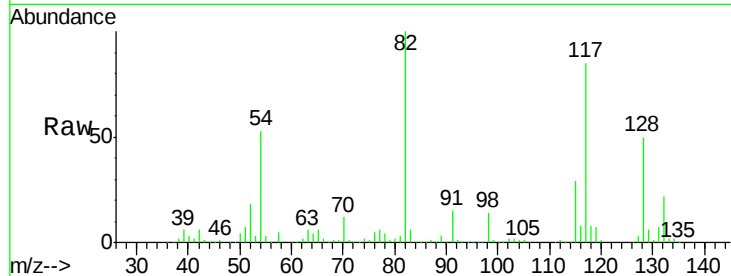




#23
 Nitrobenzene-d5
 Concen: 97.95 ng
 RT: 7.19 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: BF081058.D
 Acq: 18 Aug 2015 23:33

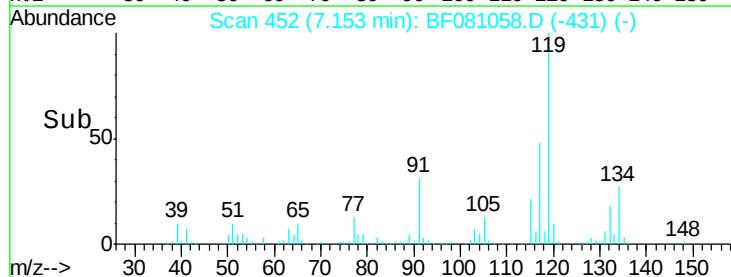
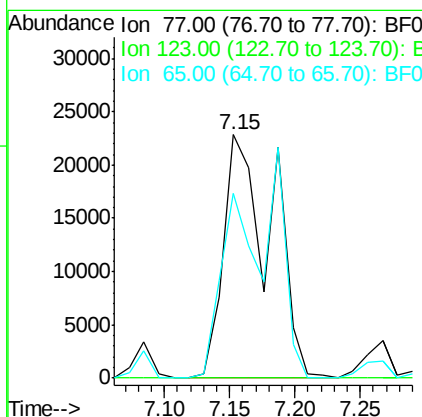
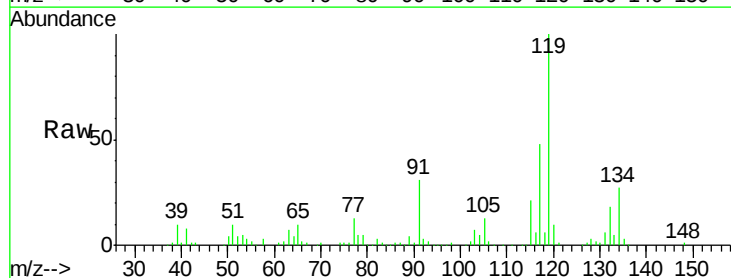
Instrument :
 BNA_F
 ClientSampled :

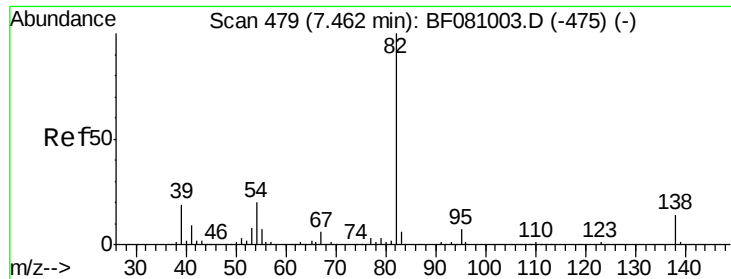
Tot Ion	82	Resp	586284
Ion Ratio	100		
Lower		28.6	
Upper		42.8#	
82	100		
128	50.2	28.6	42.8#
54	52.9	55.1	82.7#



#24
 Nitrobenzene
 Concen: 9.39 ng
 RT: 7.15 min Scan# 452
 Delta R.T. -0.06 min
 Lab File: BF081058.D
 Acq: 18 Aug 2015 23:33

Tgt Ion	77	Resp	58765
Ion Ratio	100		
Lower		32.9	
Upper		49.3#	
77	100		
123	0.0	32.9	49.3#
65	75.8	12.5	18.7#





#25

Isophorone

Concen: 44.44 ng

RT: 7.19 min Scan# 455

Delta R.T. -0.26 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampleId :

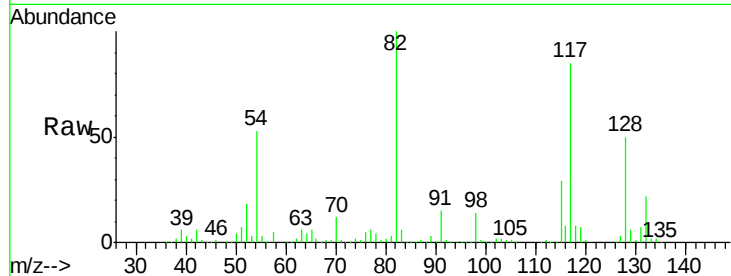
Tot Ion: 82 Resp: 496012

Ion Ratio Lower Upper

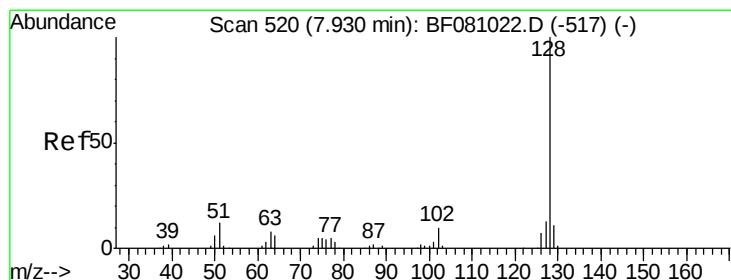
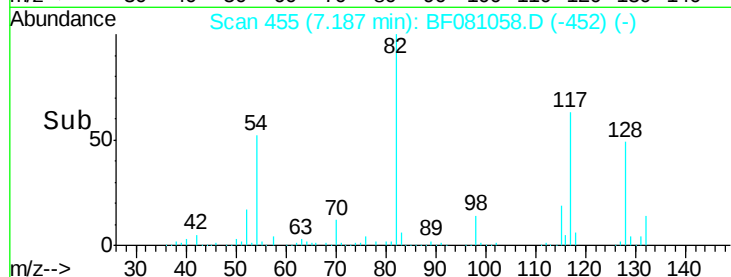
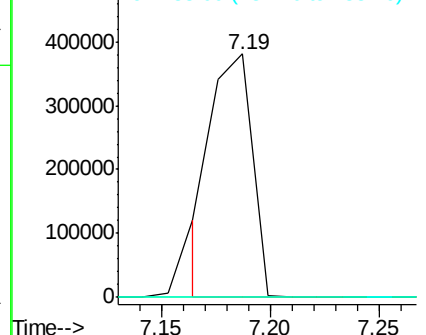
82 100

95 0.1 6.2 9.2#

138 0.0 10.5 15.7#



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



#31

Naphthalene

Concen: 3.10 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

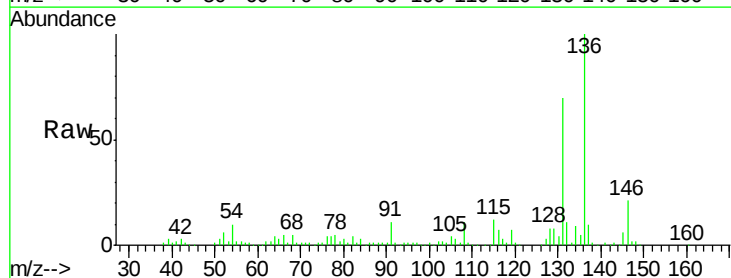
Tgt Ion: 128 Resp: 47275

Ion Ratio Lower Upper

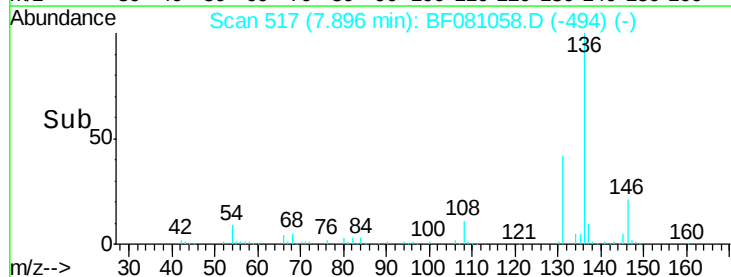
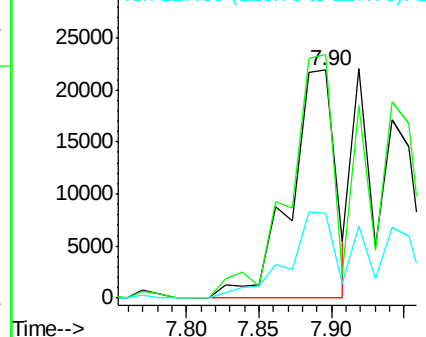
128 100

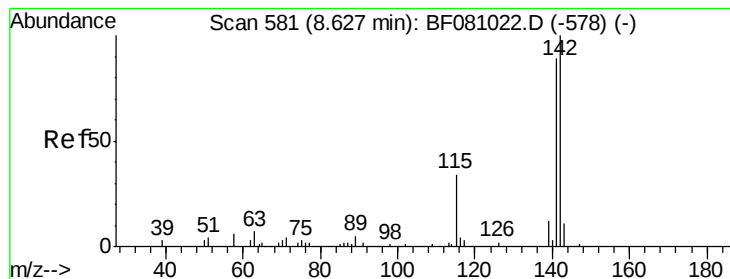
129 106.8 8.4 12.6#

127 37.4 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

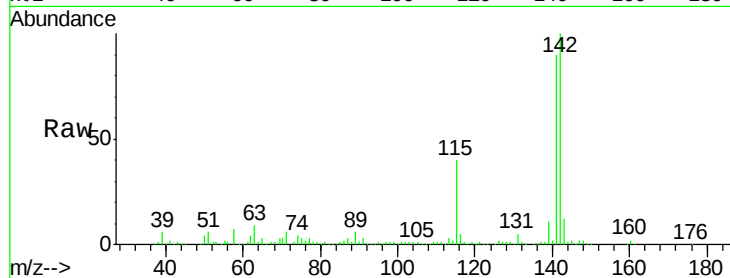




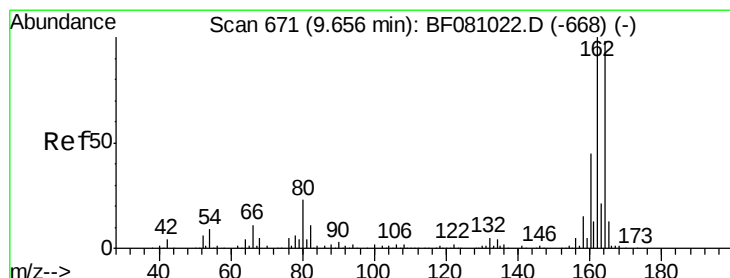
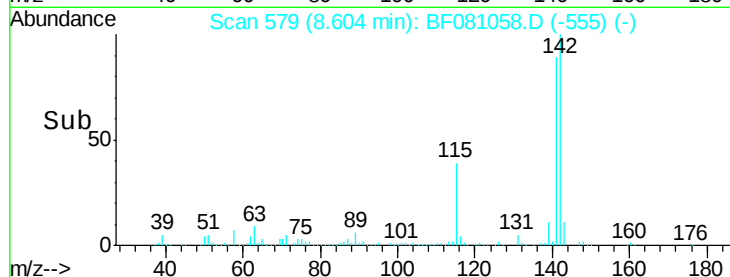
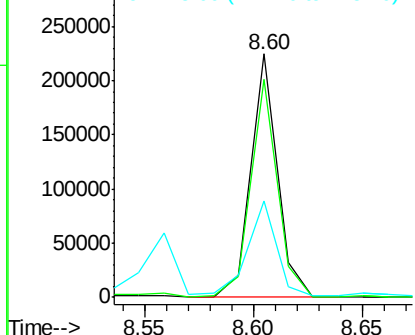
#37
2-Methylnaphthalene
Concen: 19.86 ng
RT: 8.60 min Scan# 579
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 191174
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 39.7 33.4 50.0

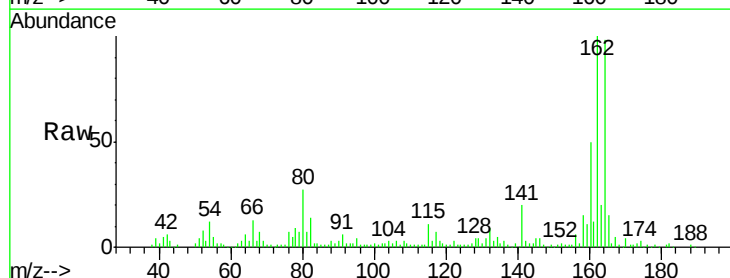


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

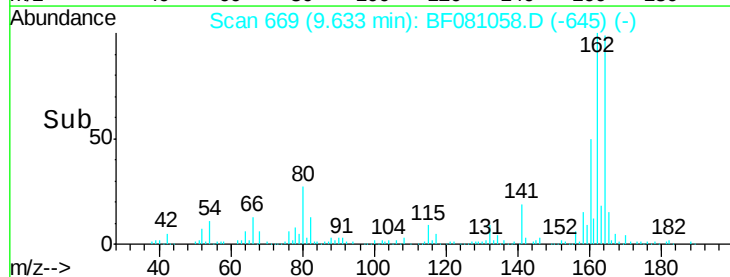
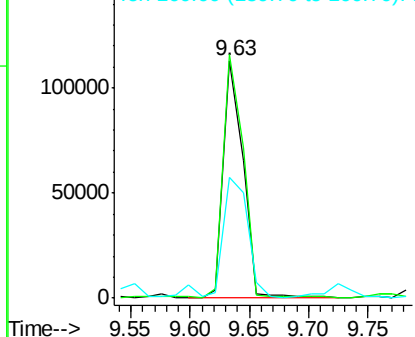


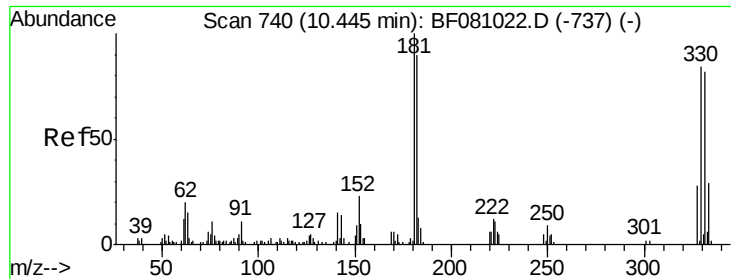
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Tgt Ion:164 Resp: 130966
Ion Ratio Lower Upper
164 100
162 102.4 83.8 125.8
160 50.7 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: 157.12 ng

RT: 10.43 min Scan# 739

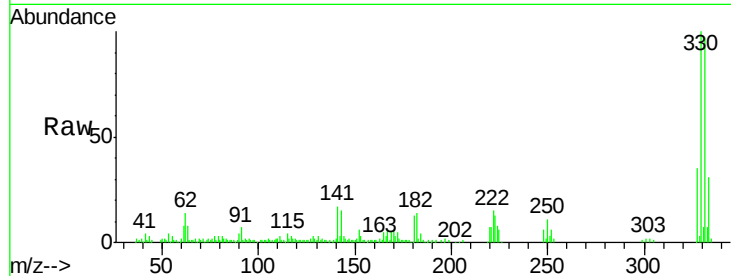
Delta R.T. -0.01 min

Lab File: BF081058.D

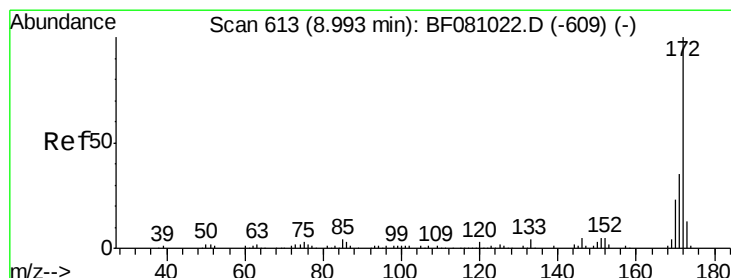
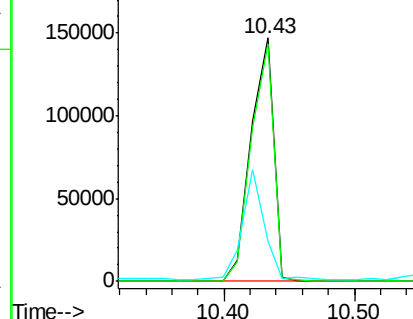
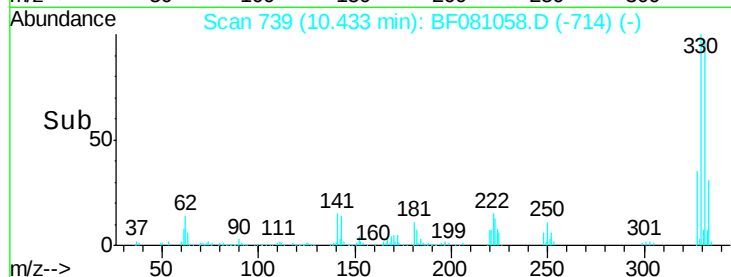
Acq: 18 Aug 2015 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	43.3	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: 94.47 ng

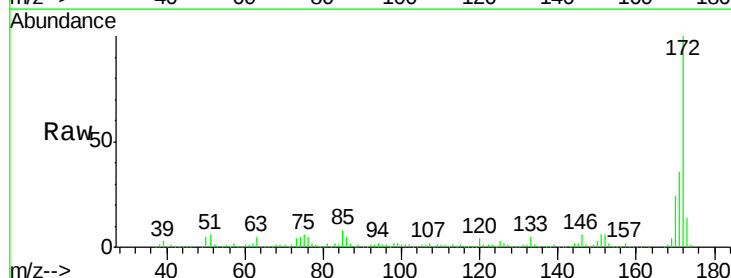
RT: 8.97 min Scan# 611

Delta R.T. -0.02 min

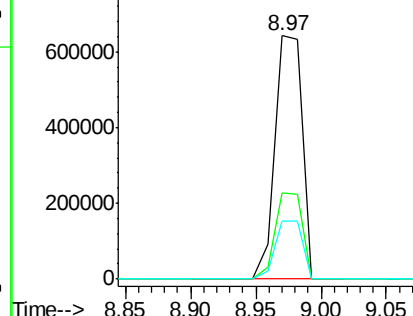
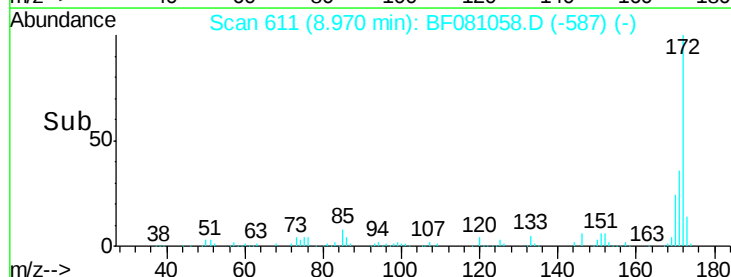
Lab File: BF081058.D

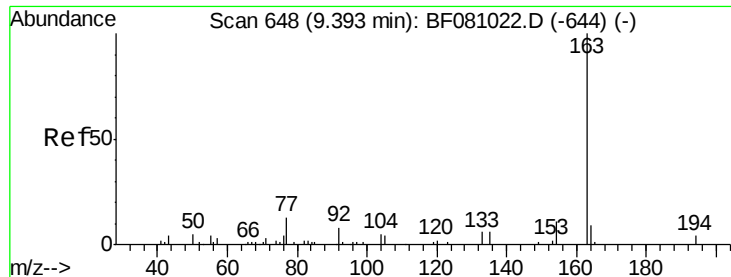
Acq: 18 Aug 2015 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.8	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

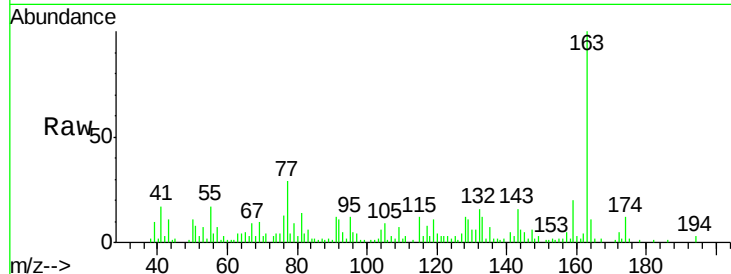




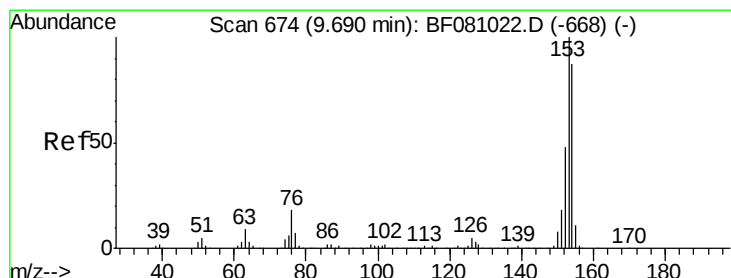
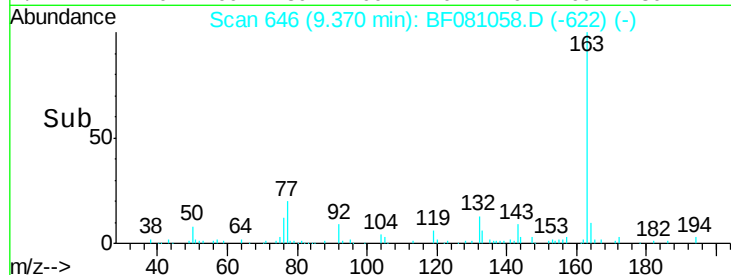
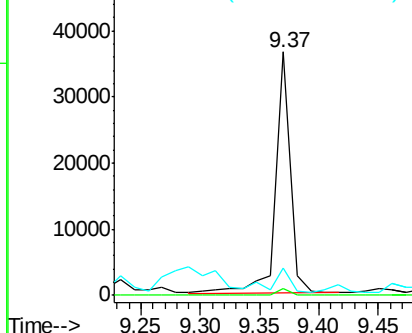
#49
Dimethylphthalate
Concen: 2.95 ng
RT: 9.37 min Scan# 646
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 31831
Ion Ratio Lower Upper
163 100
194 3.0 2.5 3.7
164 11.2 8.1 12.1

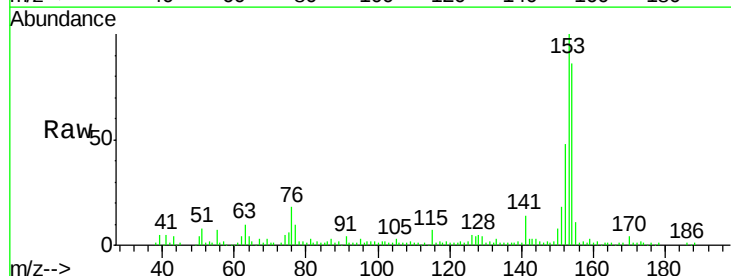


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

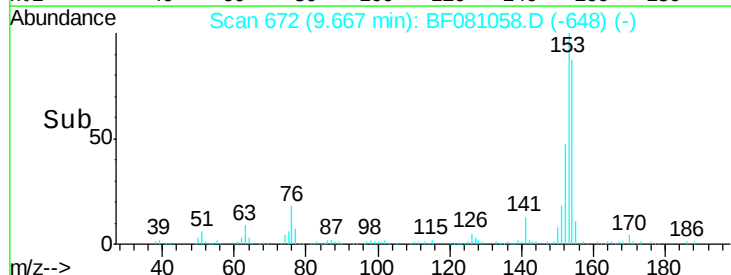
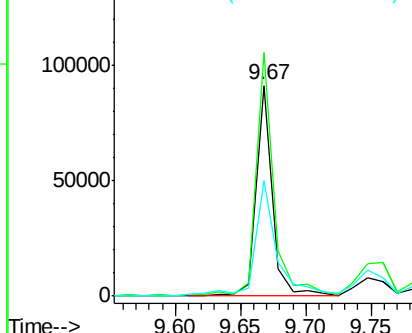


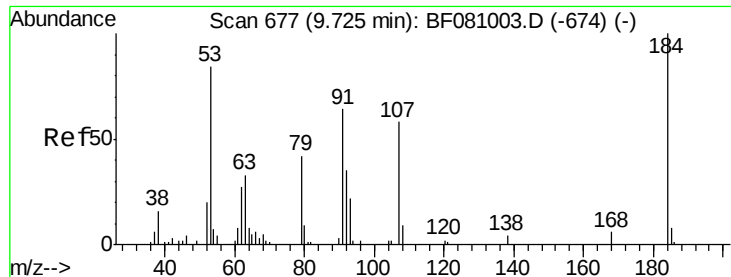
#51
Acenaphthene
Concen: 8.01 ng
RT: 9.67 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Tgt Ion:154 Resp: 79479
Ion Ratio Lower Upper
154 100
153 115.7 91.4 137.2
152 55.1 43.7 65.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

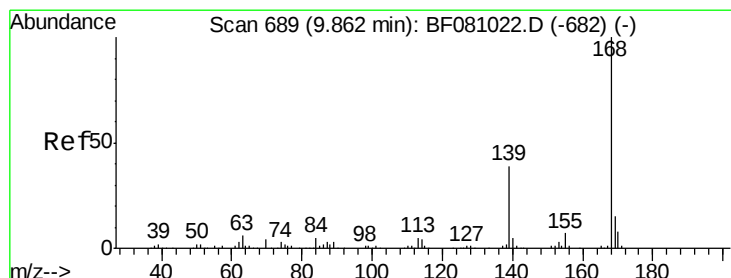
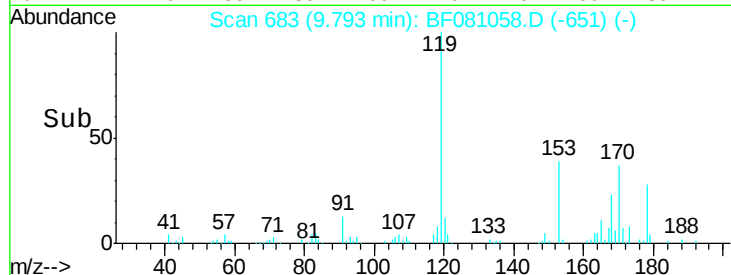
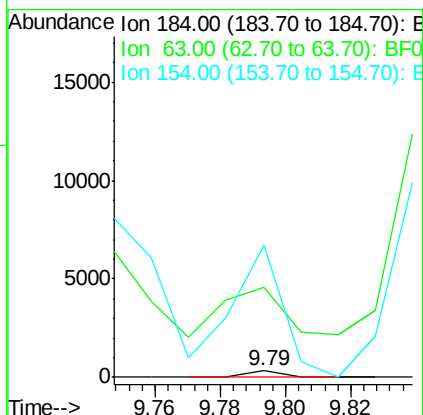
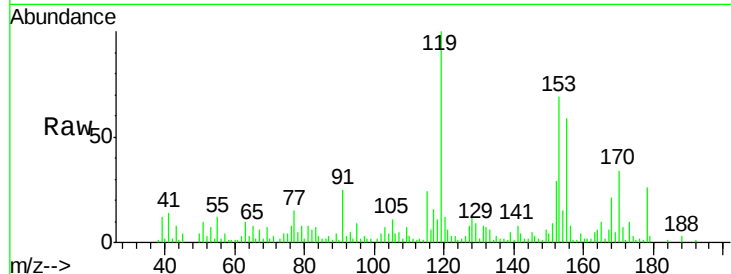




#53
2,4-Dinitrophenol
Concen: 2.86 ng
RT: 9.79 min Scan# 683
Delta R.T. 0.07 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

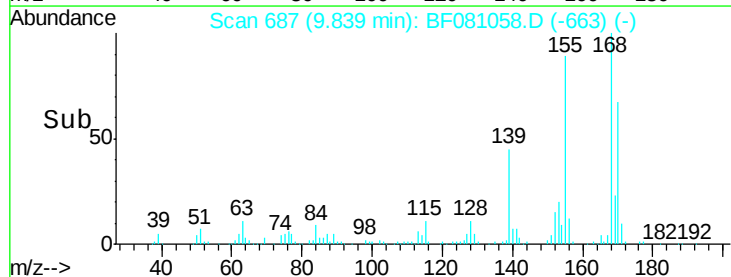
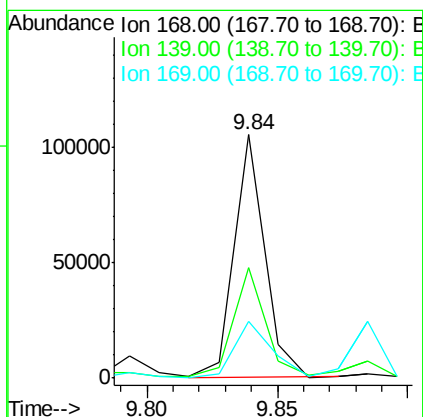
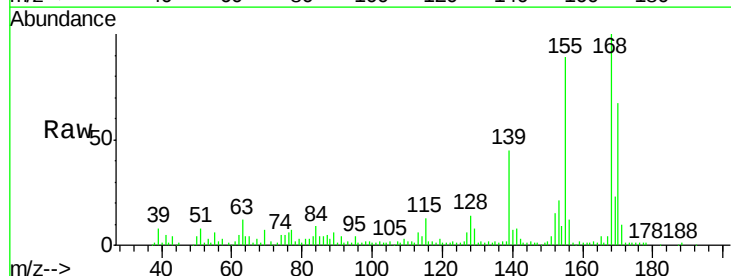
Instrument :
BNA_F
ClientSampleId :

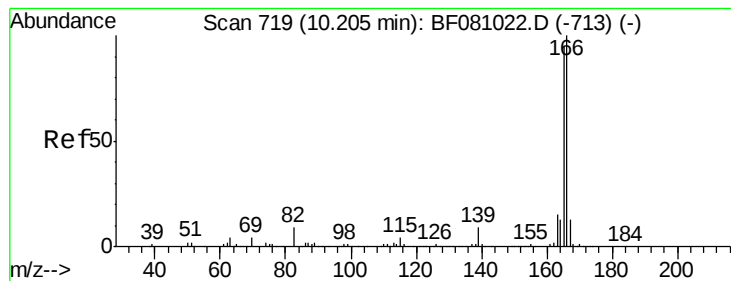
Tot Ion:184 Resp: 221
Ion Ratio Lower Upper
184 100
63 1422.0 101.7 152.5#
154 2084.5 67.4 101.0#



#54
Dibenzofuran
Concen: 6.47 ng
RT: 9.84 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Tgt Ion:168 Resp: 86109
Ion Ratio Lower Upper
168 100
139 45.3 29.3 43.9#
169 23.4 10.3 15.5#





#57

Fluorene

Concen: 14.02 ng

RT: 10.18 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampleId :

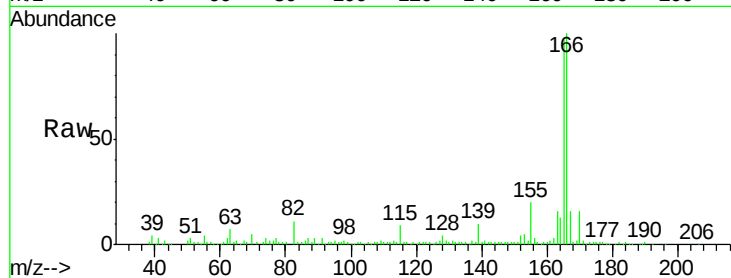
Tot Ion:166 Resp: 143391

Ion Ratio Lower Upper

166 100

165 97.3 75.8 113.8

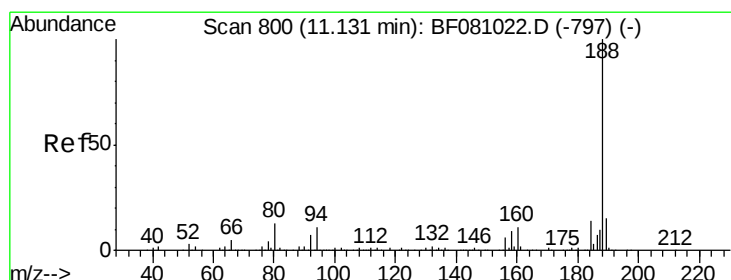
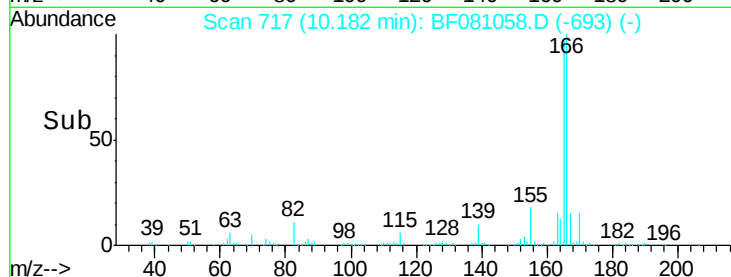
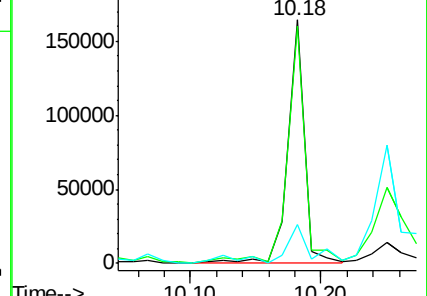
167 15.7 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

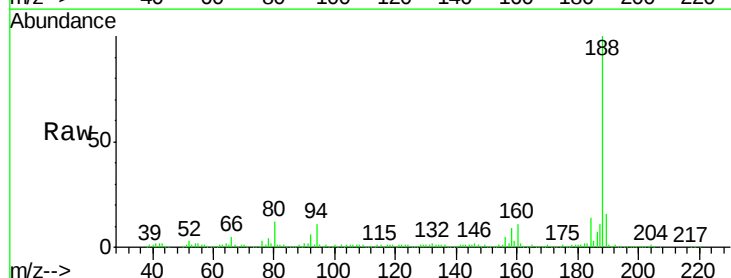
Tgt Ion:188 Resp: 252553

Ion Ratio Lower Upper

188 100

94 11.1 8.2 12.2

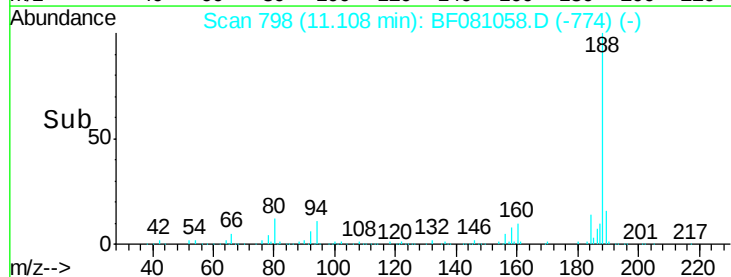
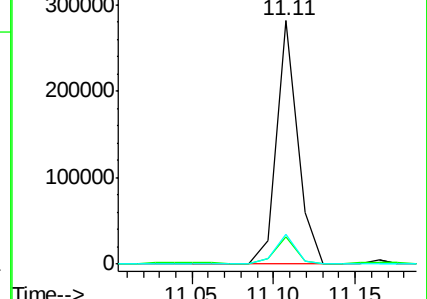
80 12.4 9.5 14.3

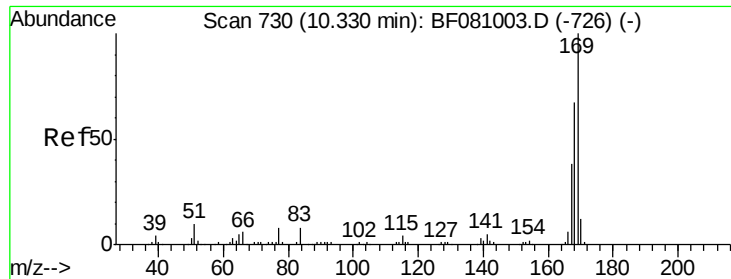


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.16 ng

RT: 10.30 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampled :

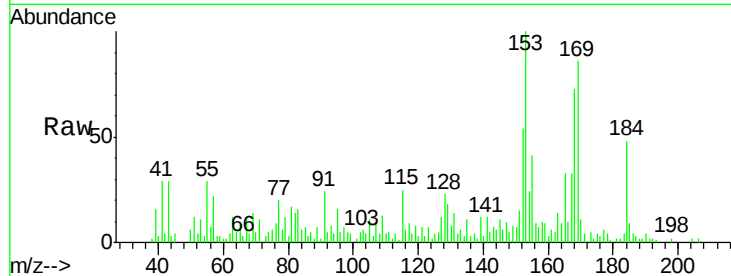
Tot Ion:169 Resp: 19504

Ion Ratio Lower Upper

169 100

168 85.7 55.3 82.9#

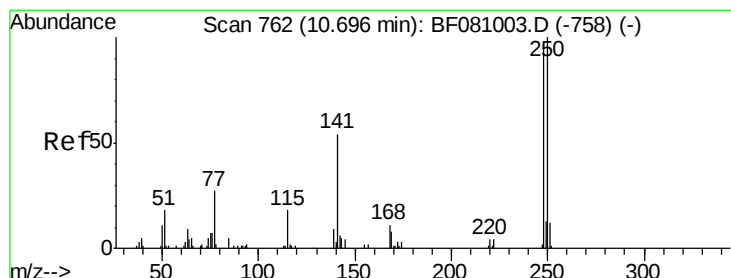
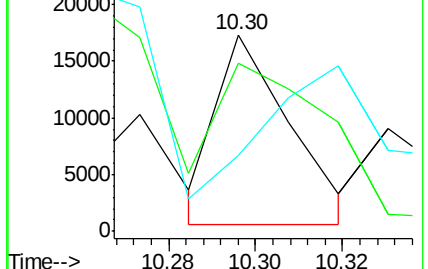
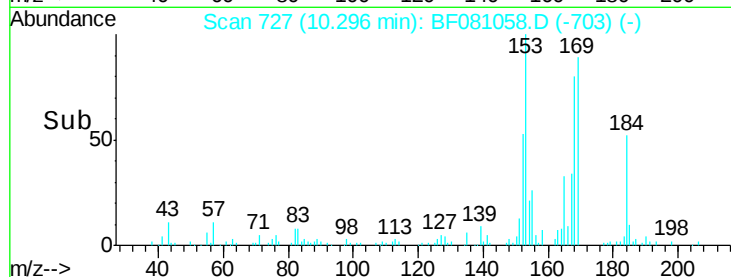
167 38.4 30.8 46.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.11 ng

RT: 10.42 min Scan# 738

Delta R.T. -0.26 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

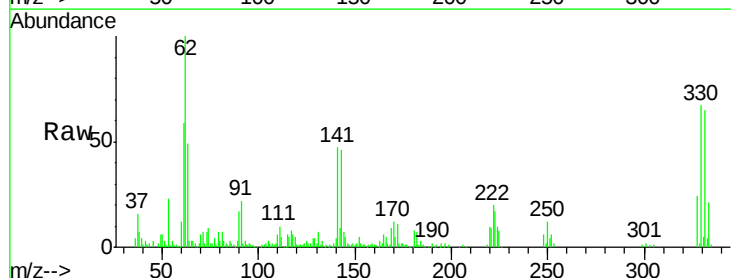
Tgt Ion:248 Resp: 12689

Ion Ratio Lower Upper

248 100

250 198.2 77.8 116.6#

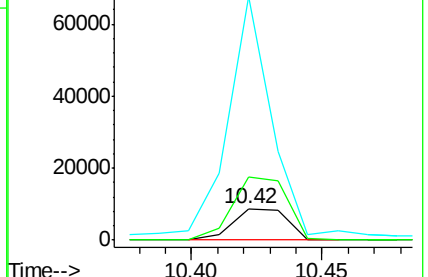
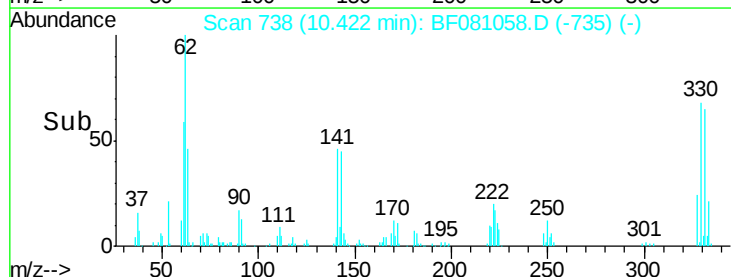
141 772.0 39.8 59.6#

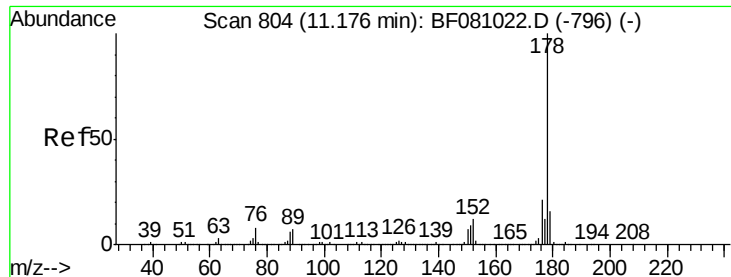


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

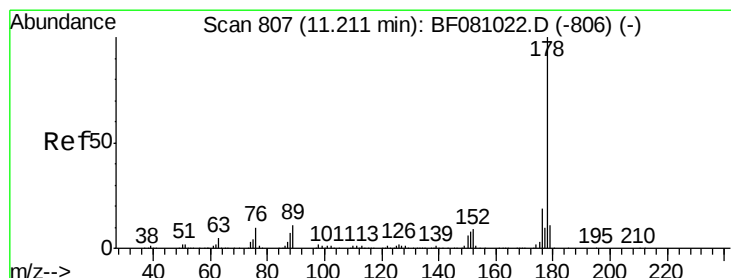
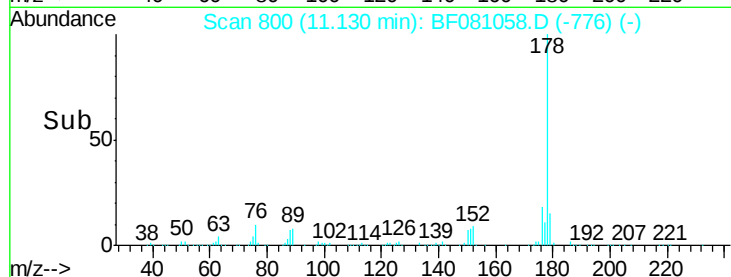
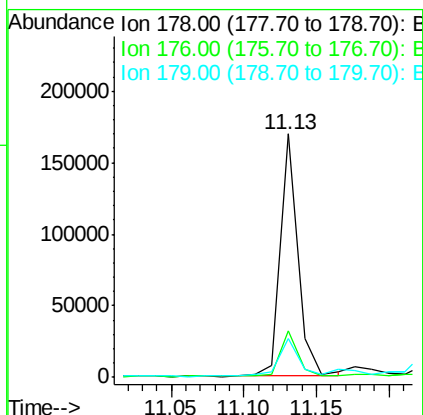
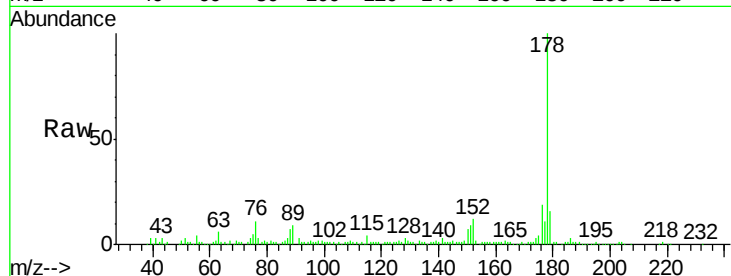




#70
Phenanthrene
Concen: 9.53 ng
RT: 11.13 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

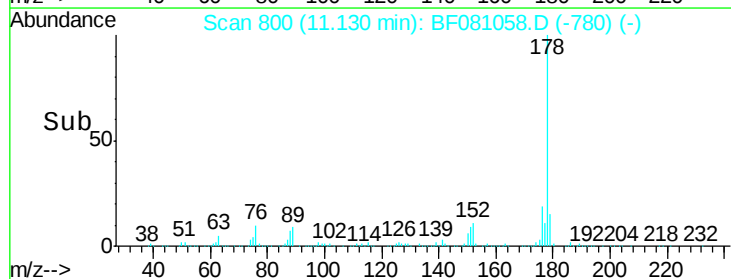
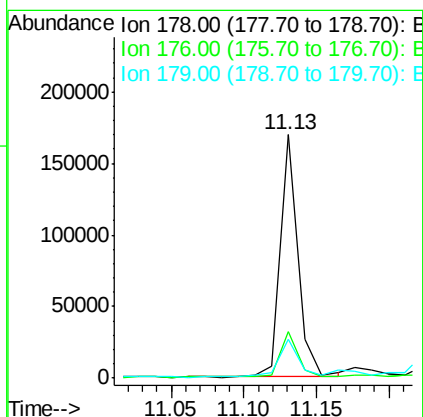
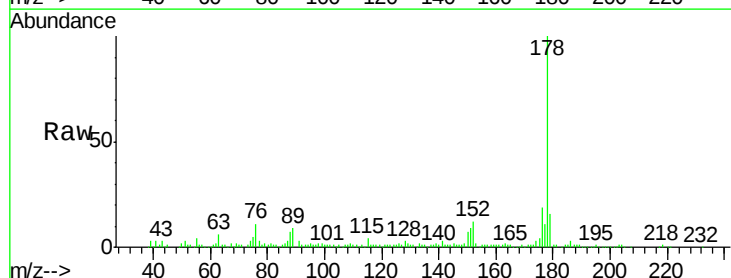
Instrument :
BNA_F
ClientSampleId :

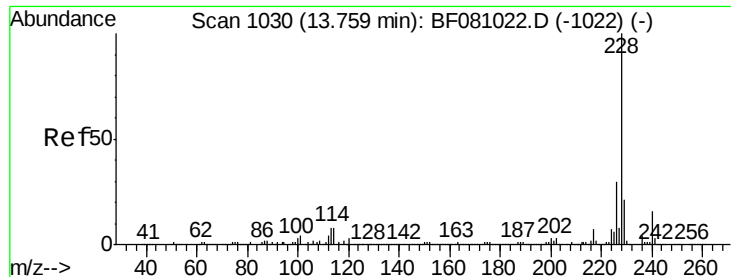
Tot Ion:178 Resp: 142673
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.7 12.2 18.2



#71
Anthracene
Concen: 9.80 ng
RT: 11.13 min Scan# 800
Delta R.T. -0.07 min
Lab File: BF081058.D
Acq: 18 Aug 2015 23:33

Tgt Ion:178 Resp: 142673
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.7 12.7 19.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

Instrument :

BNA_F

ClientSampleId :

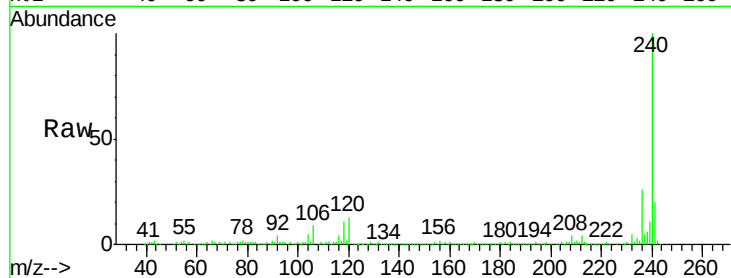
Tot Ion:240 Resp: 221954

Ion Ratio Lower Upper

240 100

120 12.6 5.6 8.4#

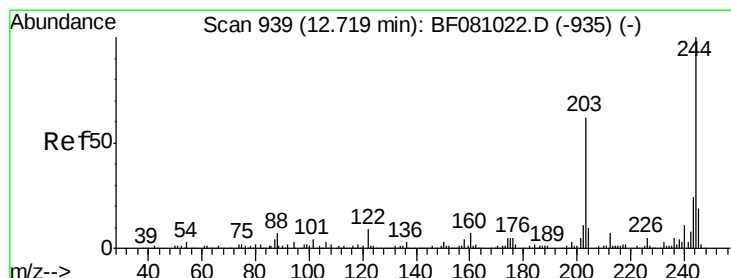
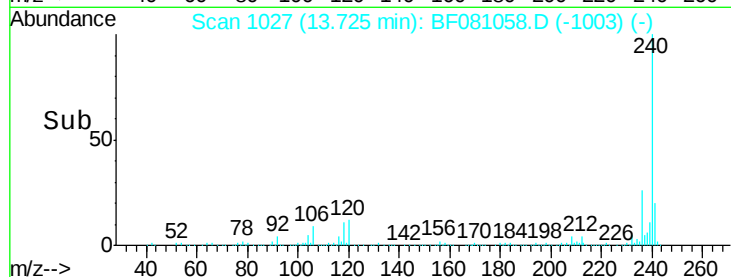
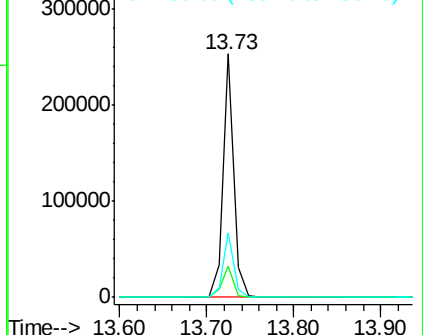
236 26.3 20.6 30.8



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



#78

Terphenyl-d14

Concen: 80.66 ng

RT: 12.70 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF081058.D

Acq: 18 Aug 2015 23:33

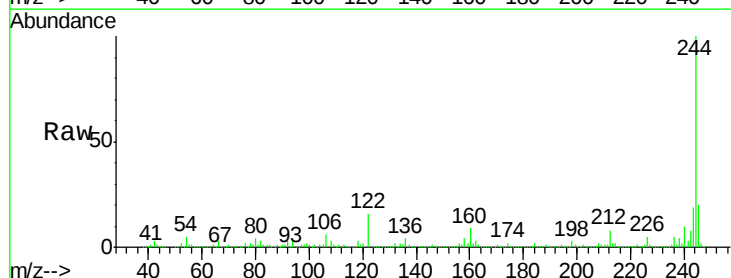
Tgt Ion:244 Resp: 835040

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

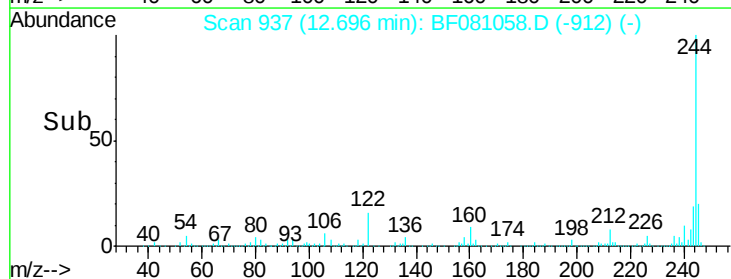
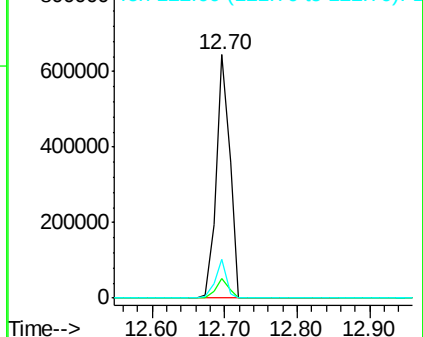
122 16.0 8.2 12.4#

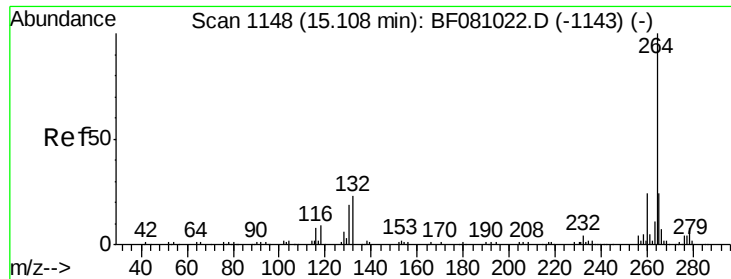


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

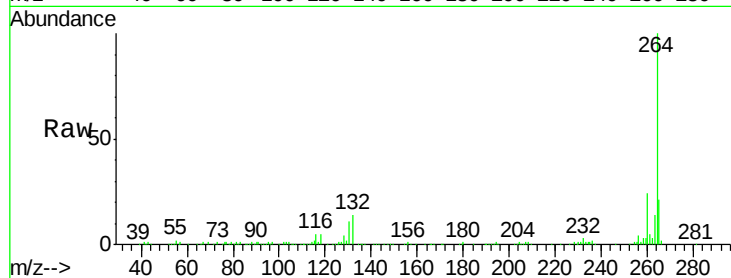




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1145
 Delta R.T. -0.02 min
 Lab File: BF081058.D
 Acq: 18 Aug 2015 23:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.2	17.5	26.3



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

