

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096569.D
 Acq On : 7 Jul 2017 19:56
 Operator : SJ/MA
 Sample : I4069-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

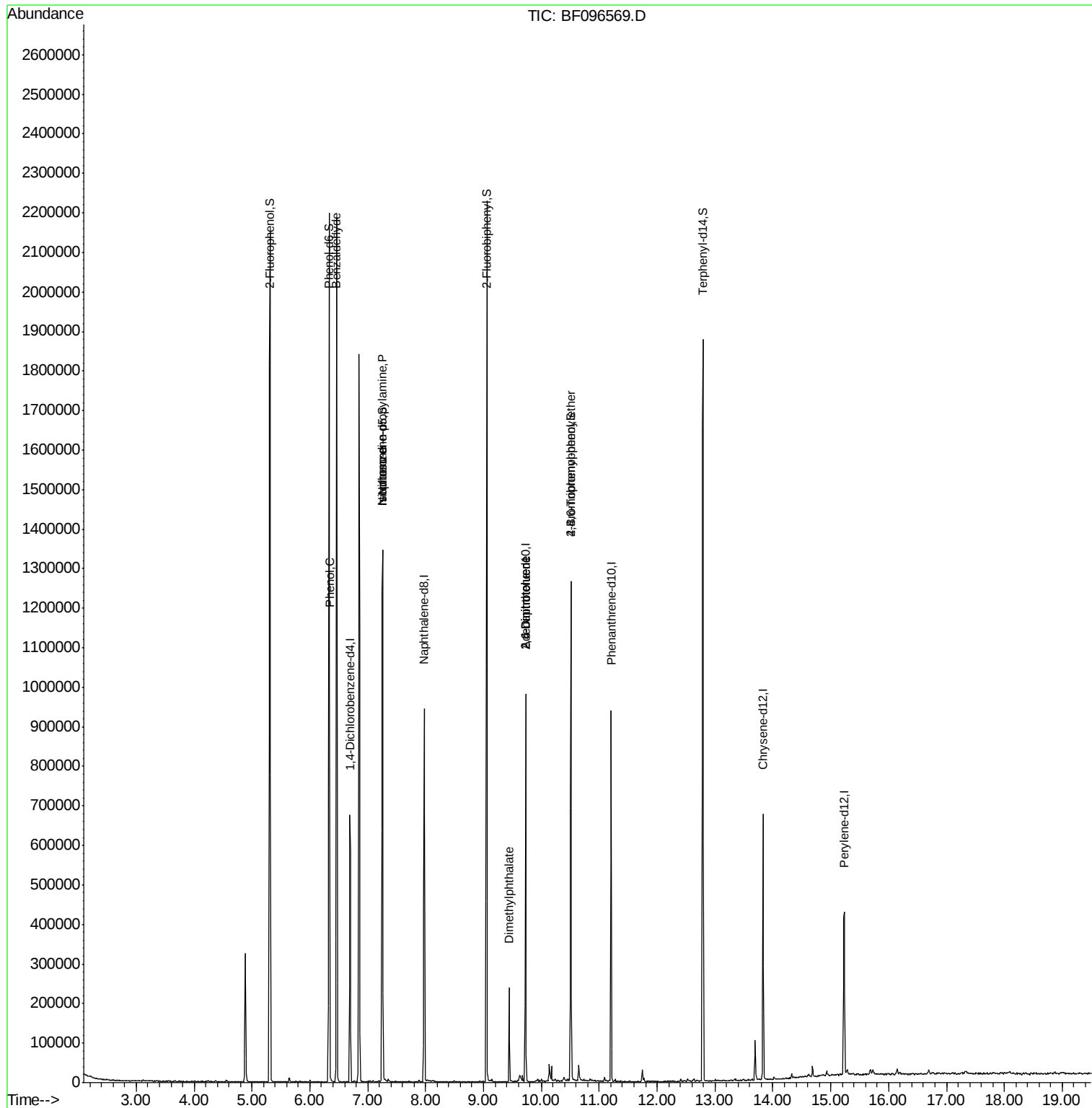
Quant Time: Jul 07 23:12:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

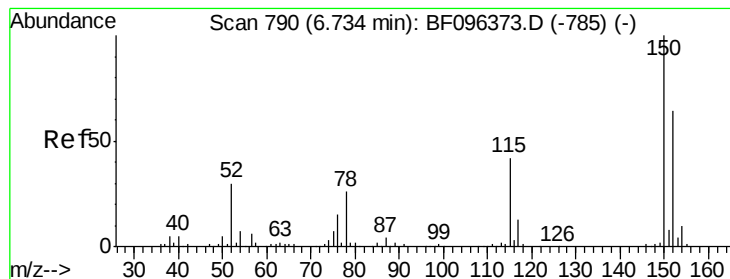
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	97173	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	416635	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	184546	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	321769	20.00	ng	0.00
75) Chrysene-d12	13.83	240	219327	20.00	ng	-0.01
86) Perylene-d12	15.23	264	179634	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	597526	90.76	ng	0.00
7) Phenol-d6	6.33	99	708642	87.55	ng	-0.01
23) Nitrobenzene-d5	7.26	82	414998	59.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	144852	100.48	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	771225	71.45	ng	0.00
78) Terphenyl-d14	12.79	244	598134	58.27	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.46	77	12144	2.40	ng	82
10) Phenol	6.35	94	21138	2.29	ng	92
19) n-Nitroso-di-n-propylamine	7.26	70	54623	11.33	ng	# 88
25) Isophorone	7.26	82	413078	30.73	ng	# 67
49) Dimethylphthalate	9.45	163	81432	5.91	ng	99
50) 2,6-Dinitrotoluene	9.73	165	23249	7.63	ng	# 32
56) 2,4-Dinitrotoluene	9.73	165	23249	6.03	ng	# 32
66) 4-Bromophenyl-phenylether	10.51	248	9770	3.12	ng	# 1

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\  
Data File : BF096569.D  
Acq On    : 7 Jul 2017 19:56  
Operator  : SJ/MA  
Sample    : I4069-03  
Misc      :  
ALS Vial  : 7 Sample Multiplier: 1
```

Quant Time: Jul 07 23:12:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration



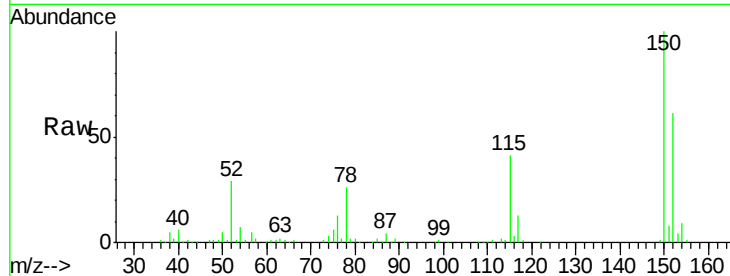


#1

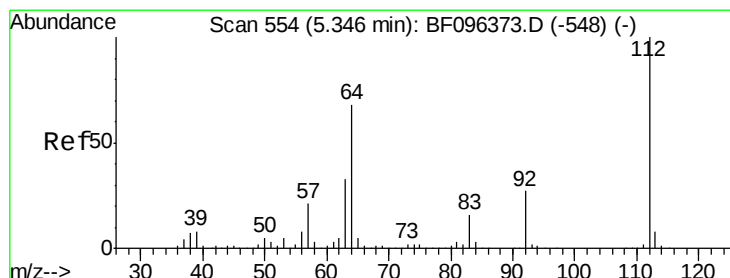
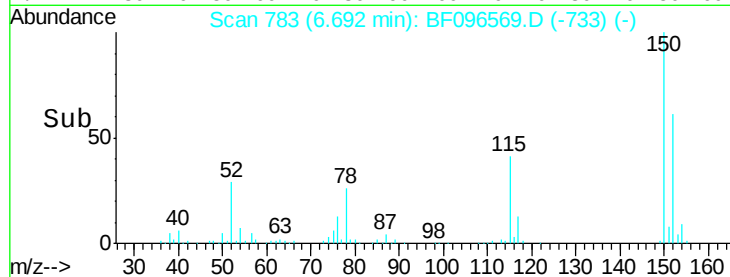
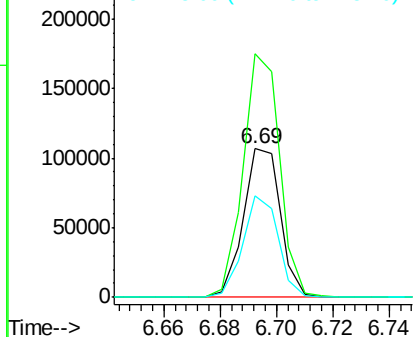
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97173
Ion Ratio Lower Upper
152 100
150 164.2 126.2 189.2
115 68.1 52.2 78.2



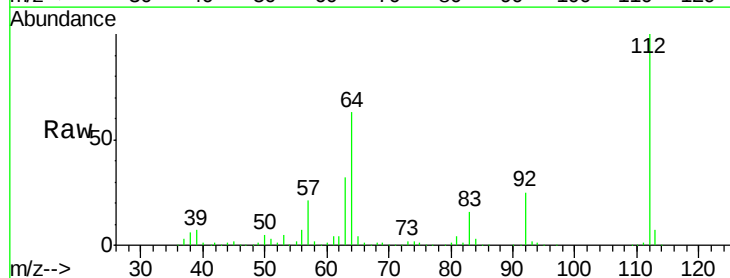
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



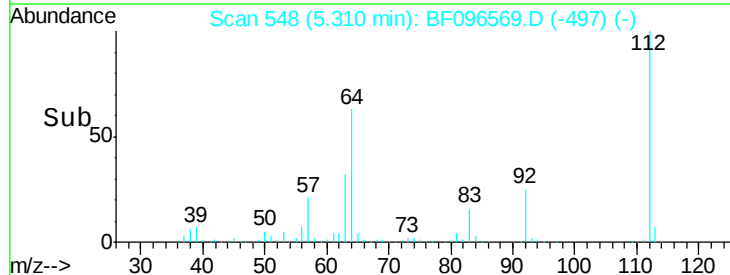
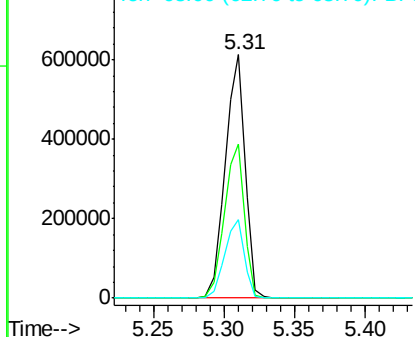
#5

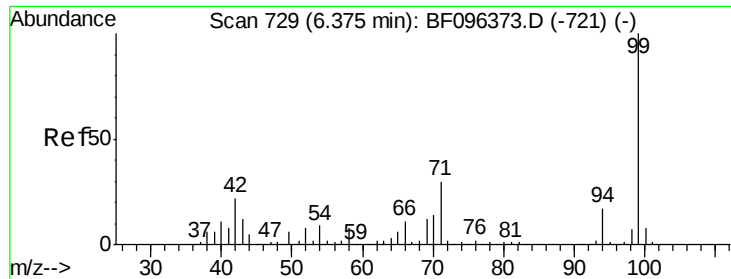
2-Fluorophenol
Concen: 90.76 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Tgt Ion:112 Resp: 597526
Ion Ratio Lower Upper
112 100
64 63.2 46.0 69.0
63 32.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.55 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

Instrument :

BNA_F

ClientSampled :

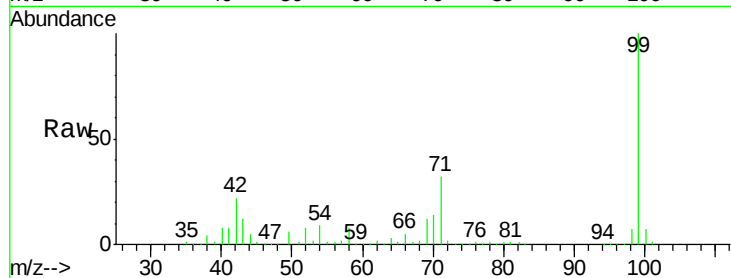
Tot Ion: 99 Resp: 708642

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

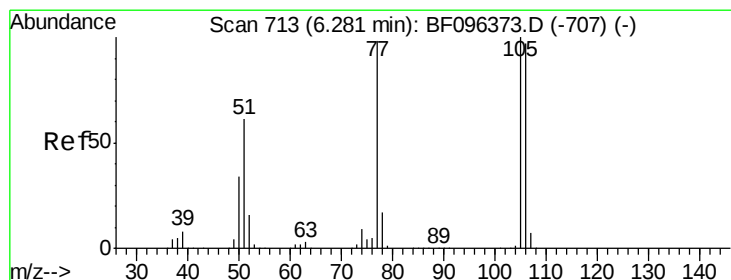
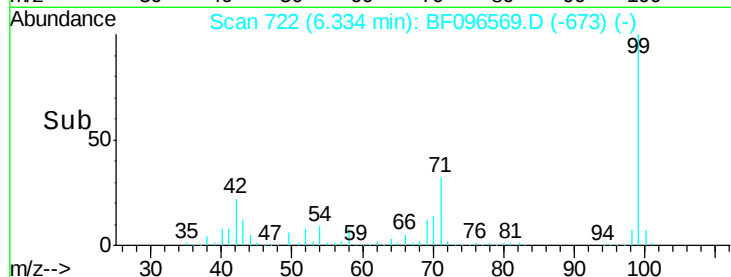
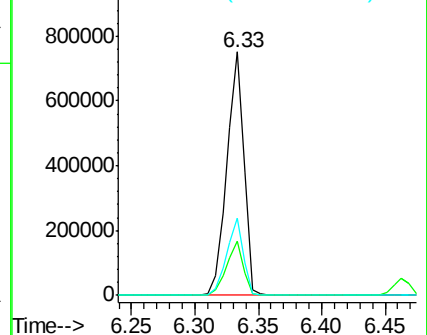
71 31.8 24.5 36.7



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: 2.40 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

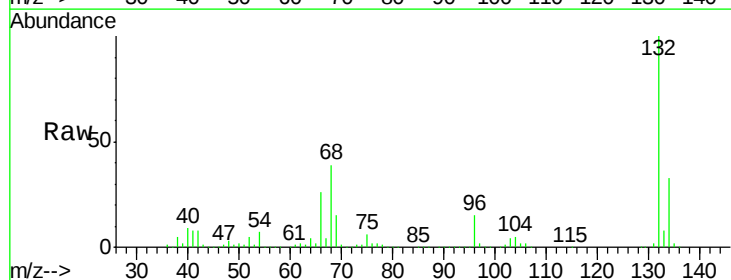
Tgt Ion: 77 Resp: 12144

Ion Ratio Lower Upper

77 100

105 86.2 83.8 123.8

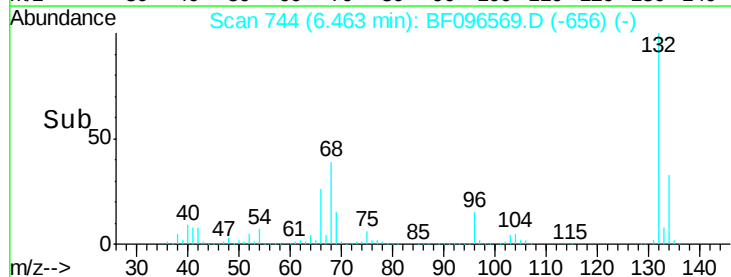
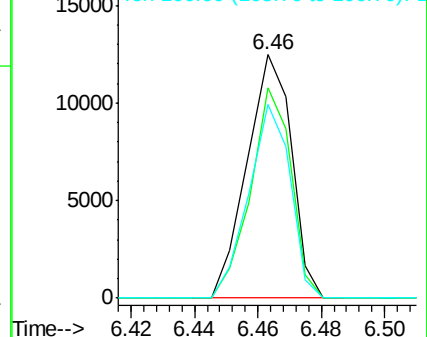
106 79.6 79.1 119.1

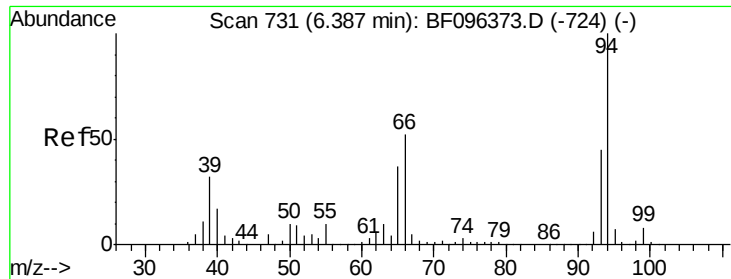


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

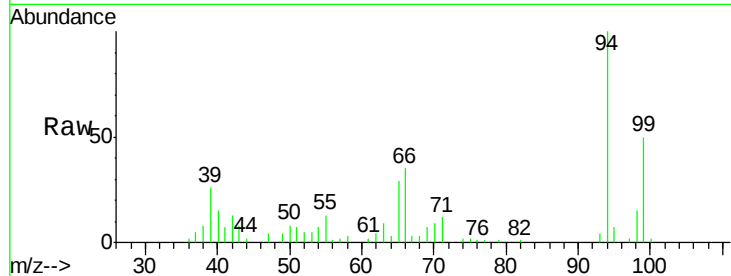




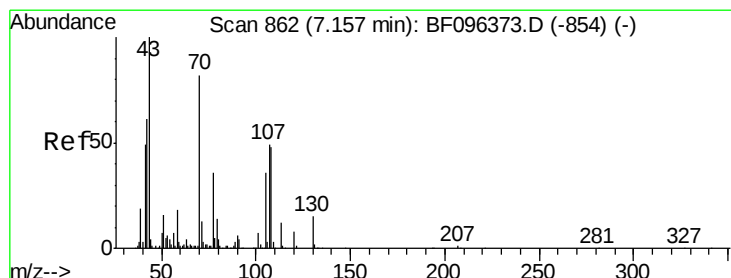
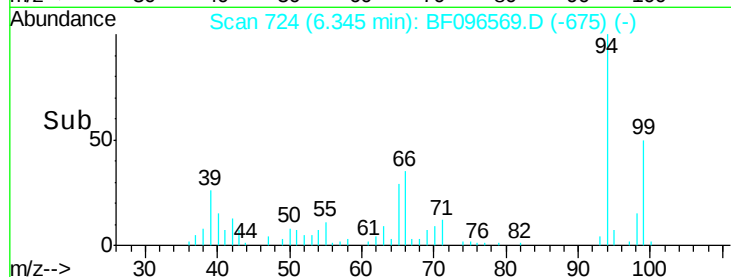
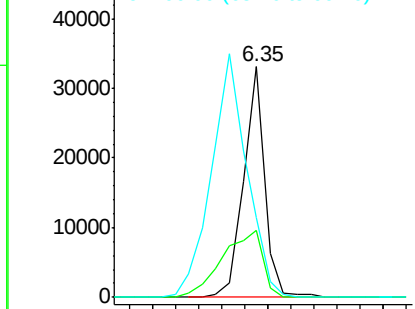
#10
Phenol
Concen: 2.29 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 21138
Ion Ratio Lower Upper
94 100
65 28.8 9.9 49.9
66 34.9 23.1 63.1

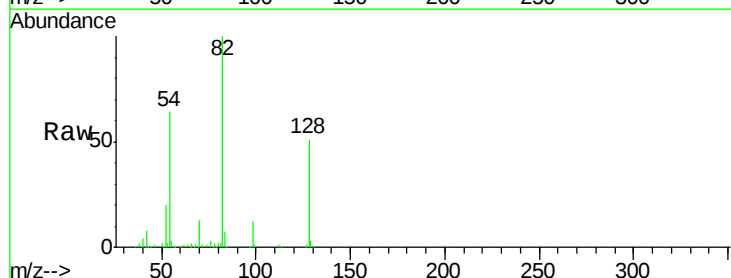


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

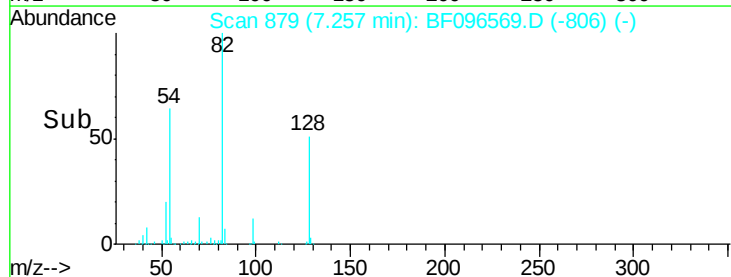
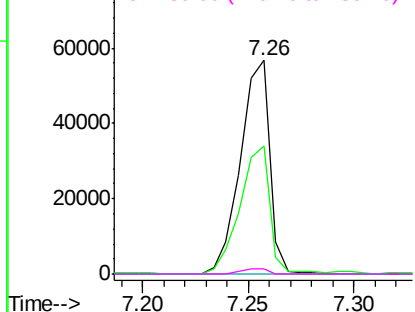


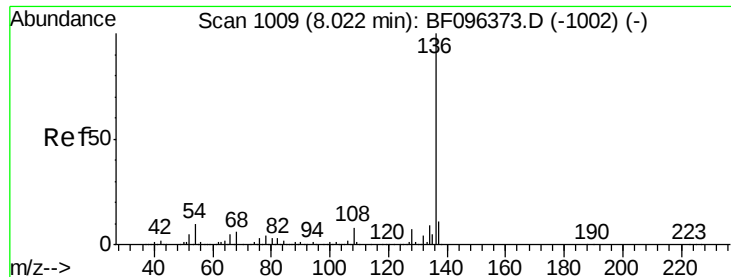
#19
n-Nitroso-di-n-propylamine
Concen: 11.33 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Tgt Ion: 70 Resp: 54623
Ion Ratio Lower Upper
70 100
42 59.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 416635

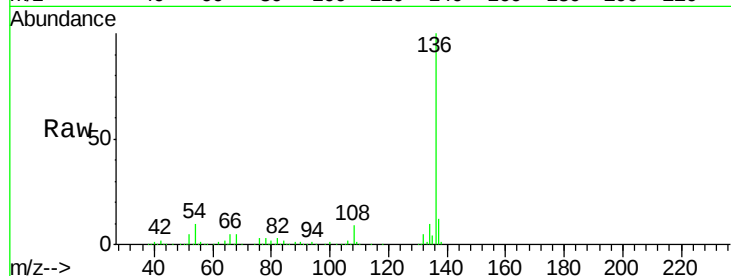
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 10.5 4.9 7.3#

68 5.3 4.1 6.1

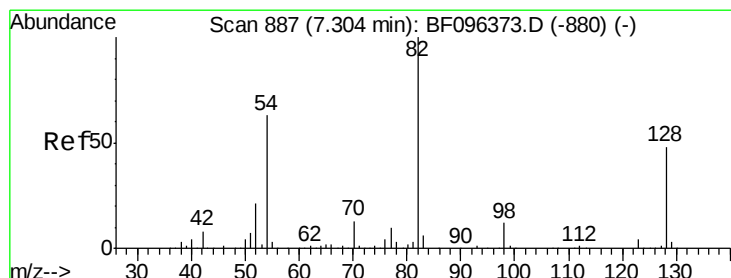
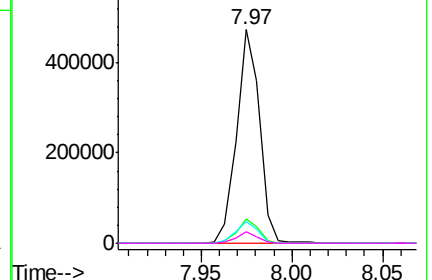
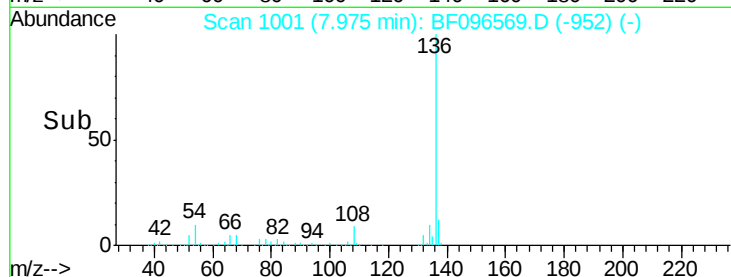


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.85 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

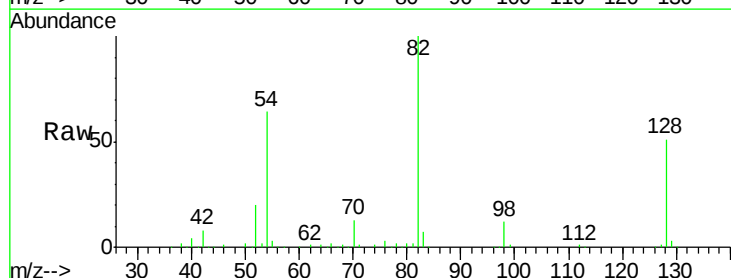
Tgt Ion: 82 Resp: 414998

Ion Ratio Lower Upper

82 100

128 51.2 34.0 51.0#

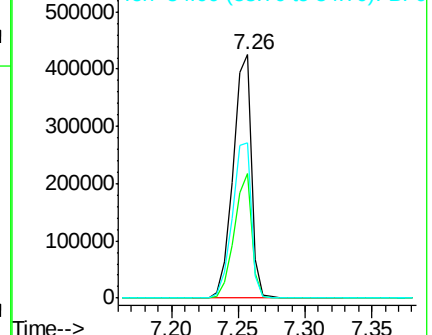
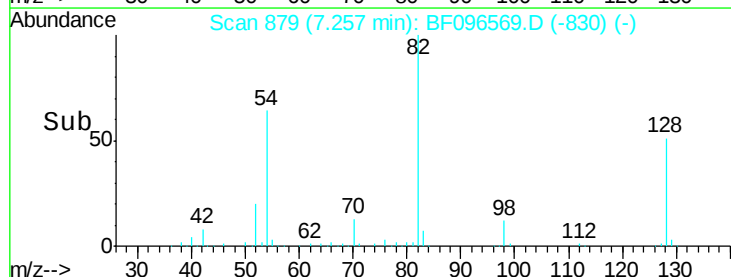
54 64.0 42.2 63.2#

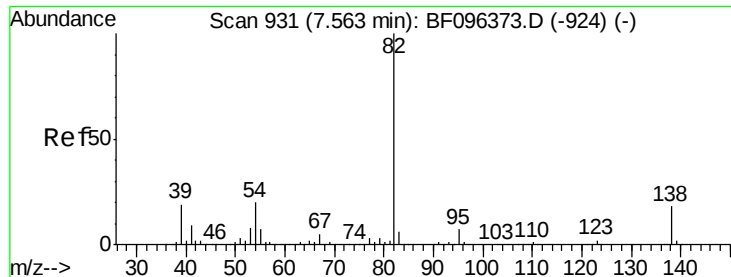


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.73 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.27 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

Instrument :

BNA_F

ClientSampled :

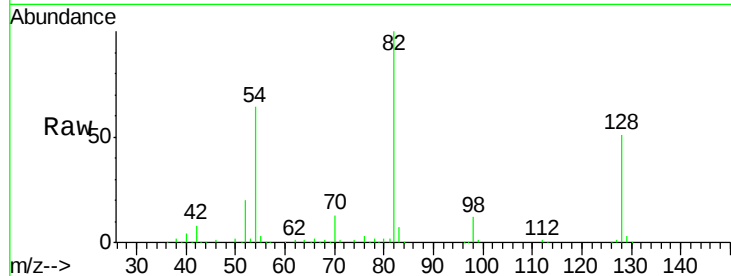
Tot Ion: 82 Resp: 413078

Ion Ratio Lower Upper

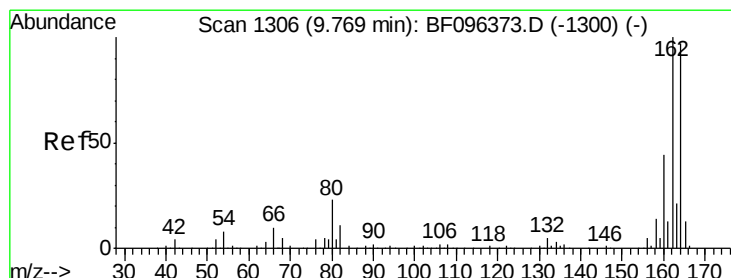
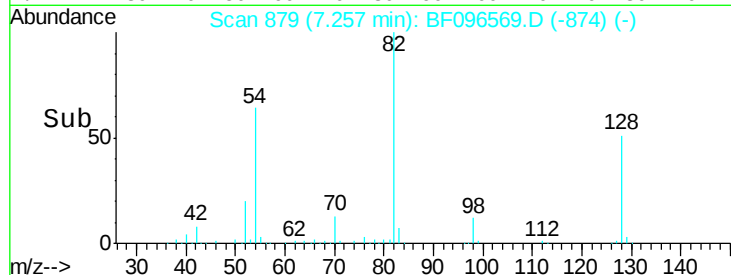
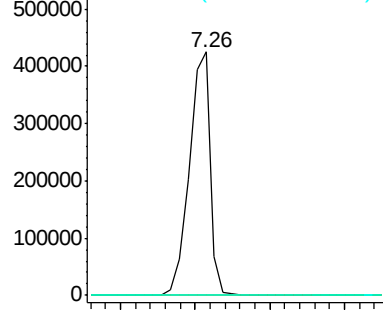
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096569.D

Acq: 7 Jul 2017 19:56

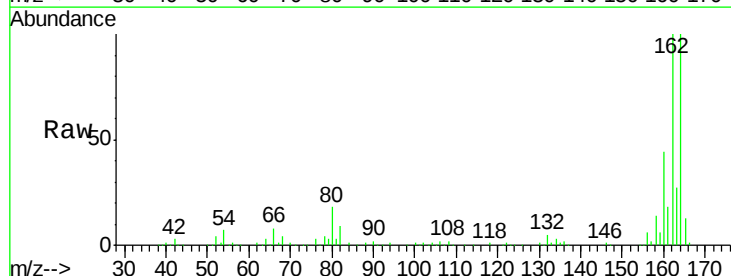
Tgt Ion: 164 Resp: 184546

Ion Ratio Lower Upper

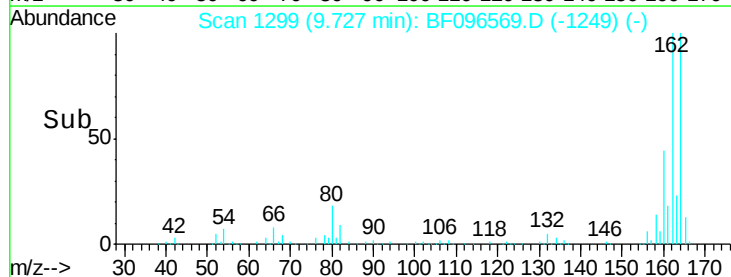
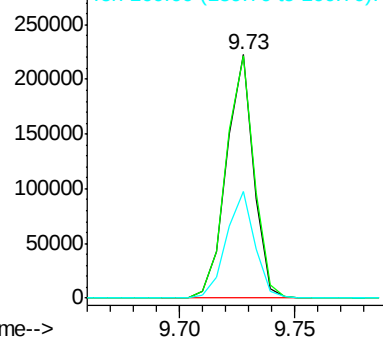
164 100

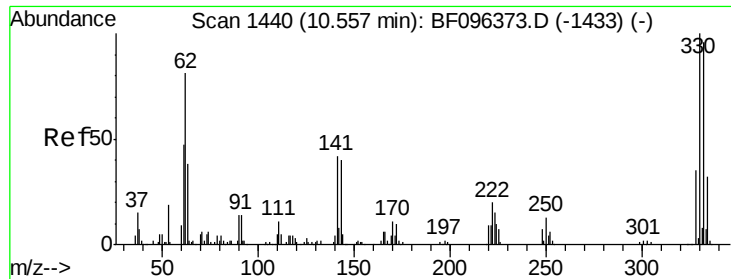
162 99.7 82.6 123.8

160 43.9 36.2 54.2



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

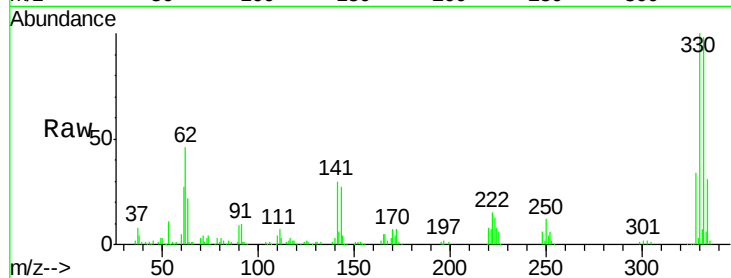




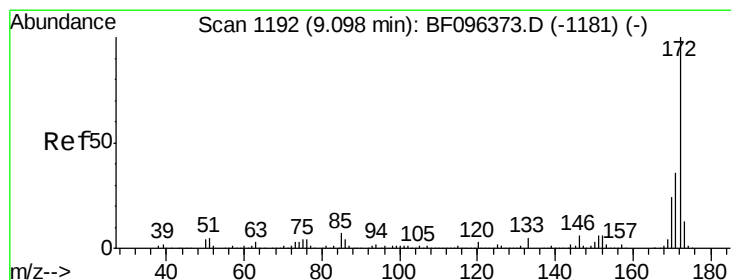
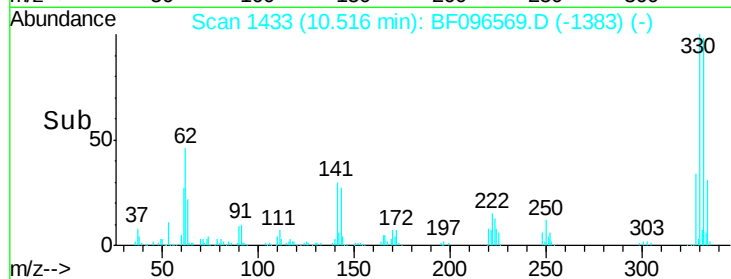
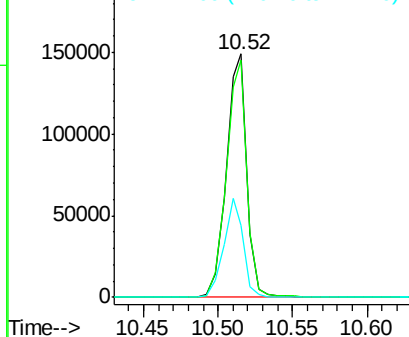
#41
 2,4,6-Tribromophenol
 Concen: 100.48 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 144852
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 38.7 31.4 47.2

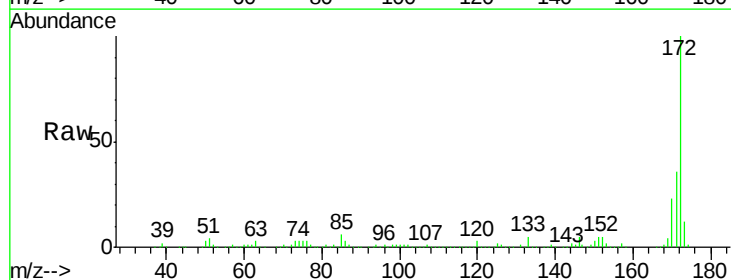


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

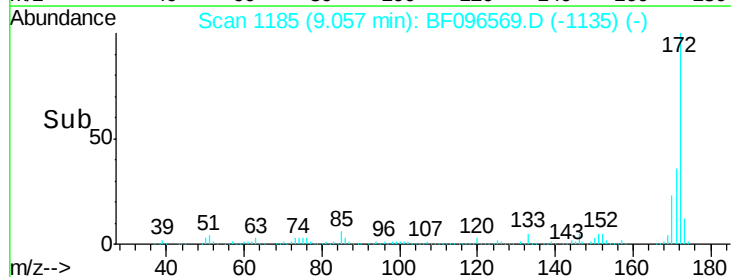
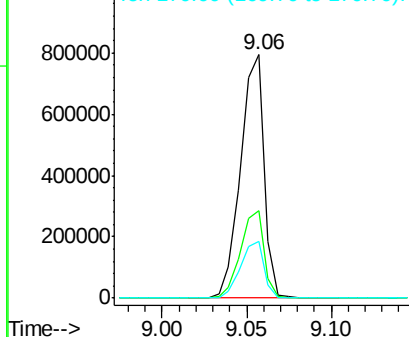


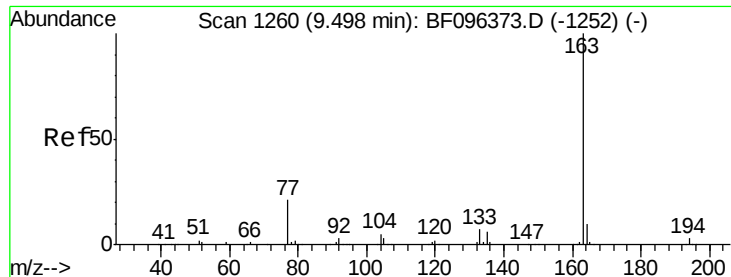
#44
 2-Fluorobiphenyl
 Concen: 71.45 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

Tgt Ion:172 Resp: 771225
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.2 19.8 29.8



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

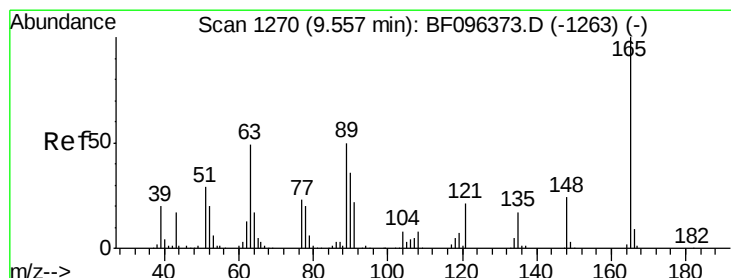
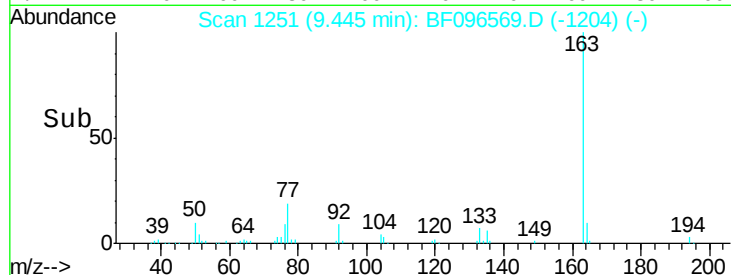
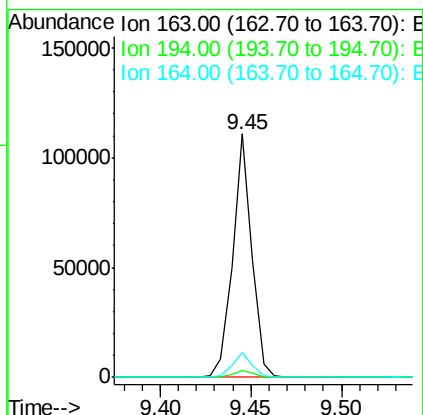
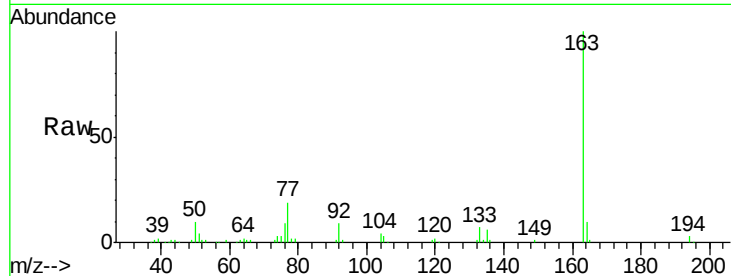




#49
Dimethylphthalate
Concen: 5.91 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

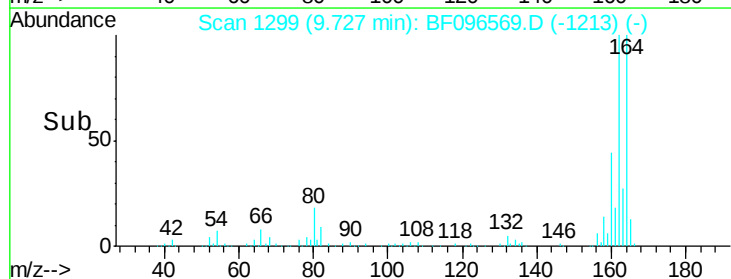
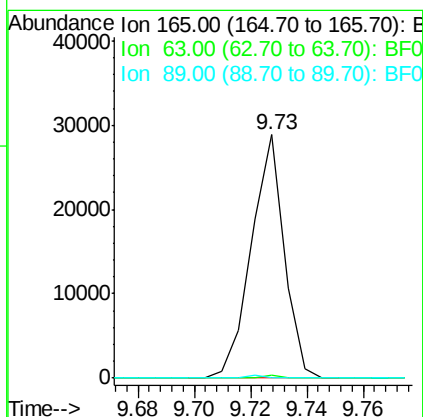
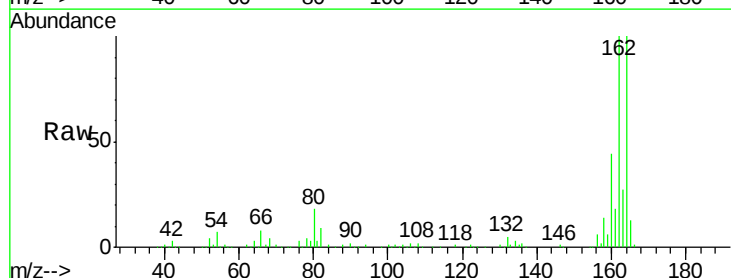
Instrument :
BNA_F
ClientSampled :

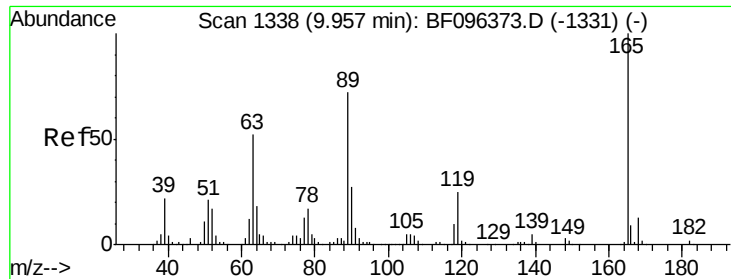
Tot Ion:163 Resp: 81432
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.2 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.63 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Tgt Ion:165 Resp: 23249
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 0.0 37.1 55.7#

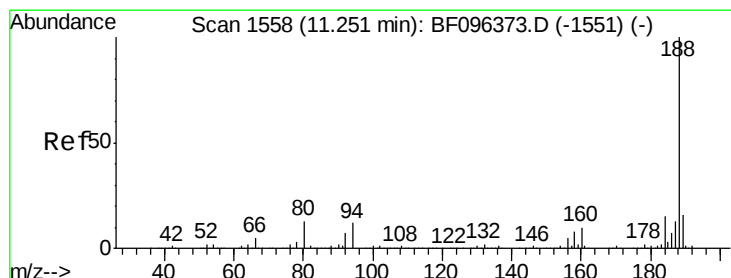
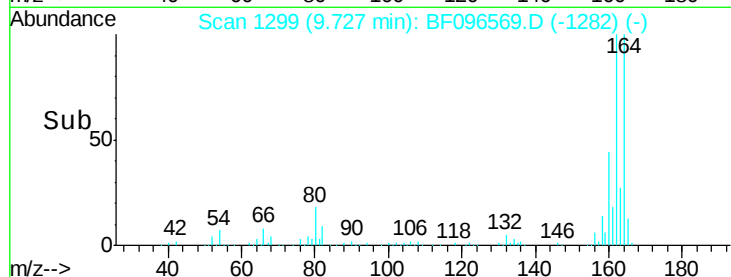
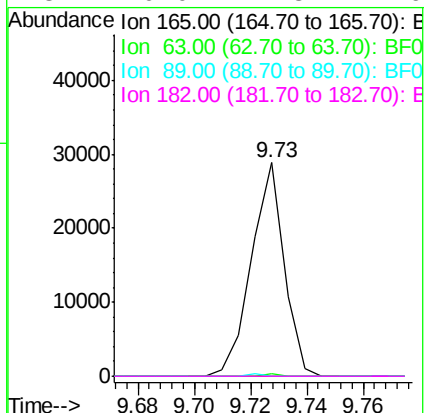
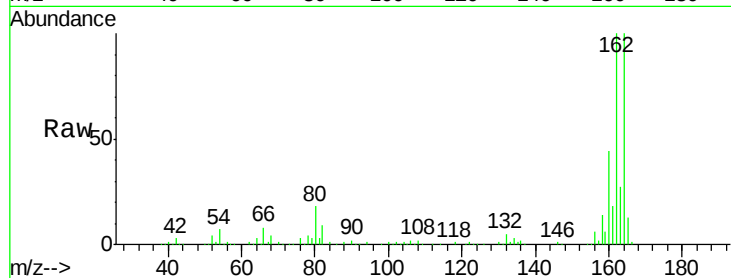




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

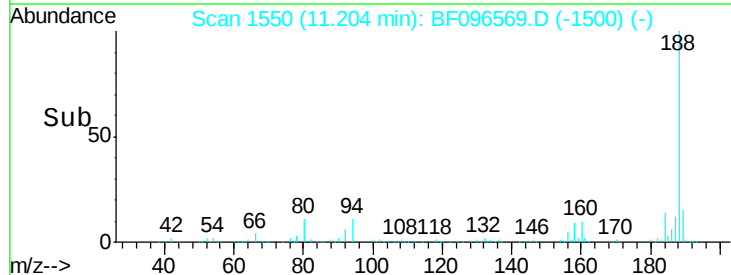
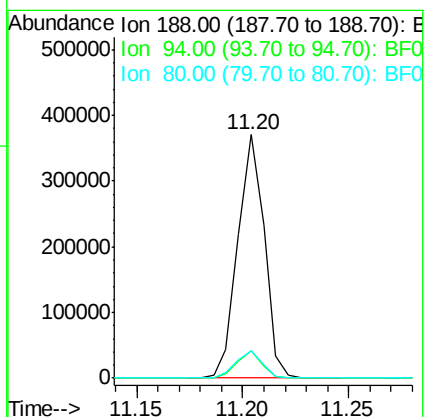
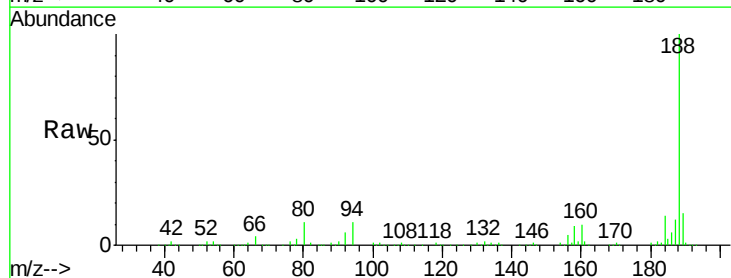
Instrument :
 BNA_F
 ClientSampleId :

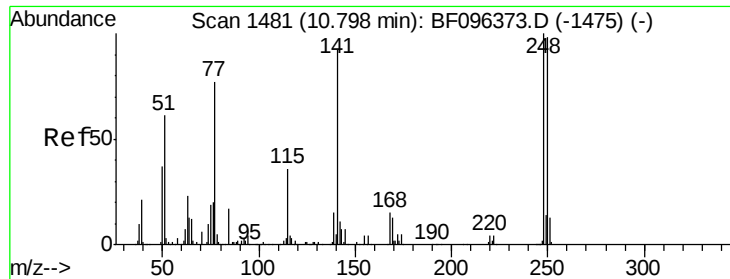
Tot Ion:165 Resp: 23249
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

Tgt Ion:188 Resp: 321769
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.1 10.2 15.2

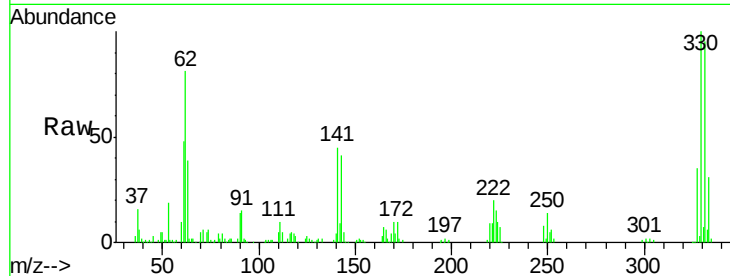




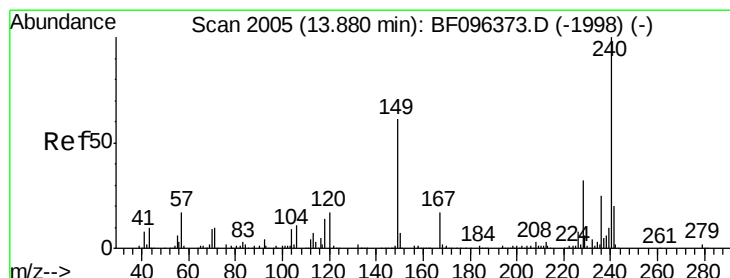
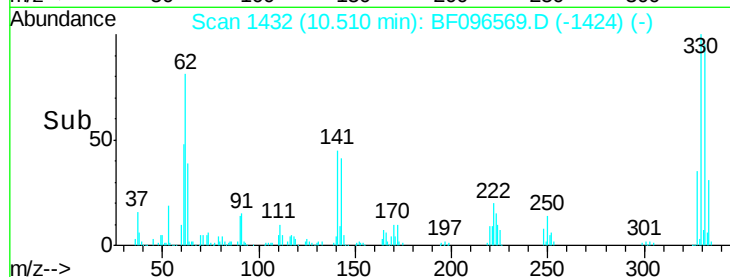
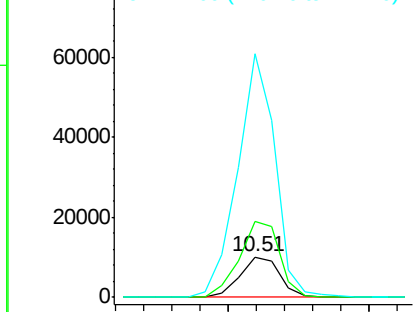
#66
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9770
Ion Ratio Lower Upper
248 100
250 186.8 76.8 115.2#
141 597.7 68.6 103.0#

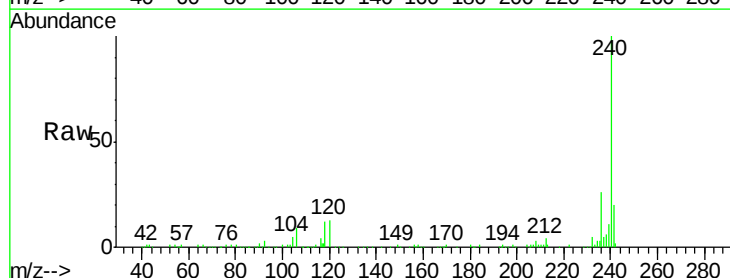


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

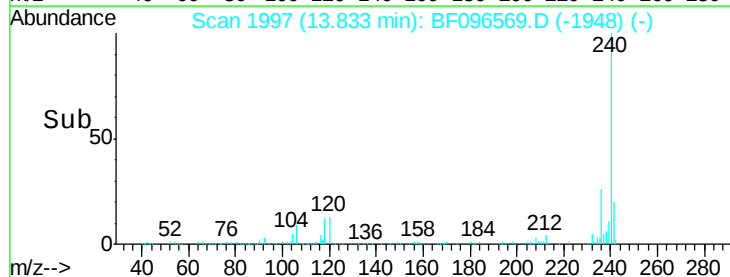
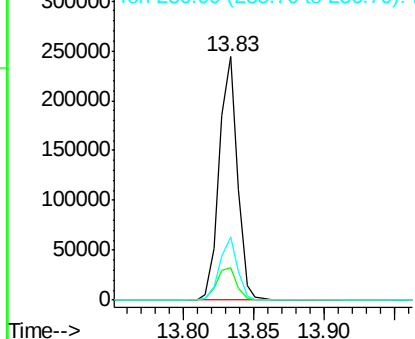


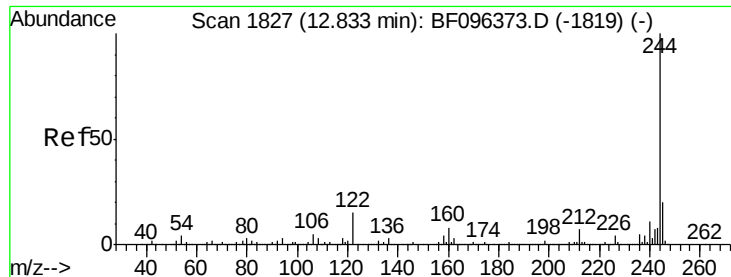
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF096569.D
Acq: 7 Jul 2017 19:56

Tgt Ion:240 Resp: 219327
Ion Ratio Lower Upper
240 100
120 13.4 5.8 8.8#
236 26.1 20.5 30.7



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

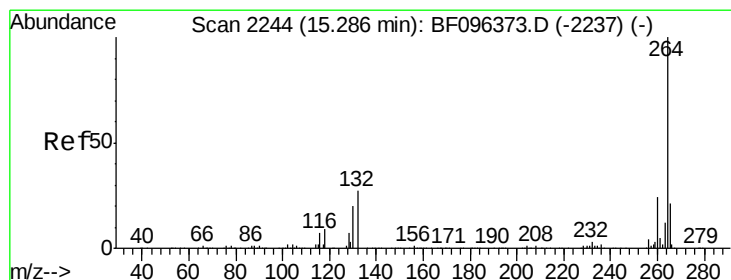
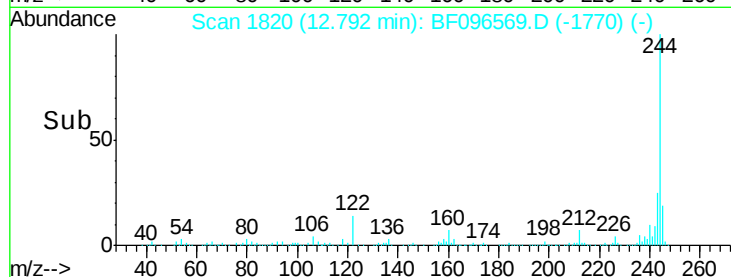
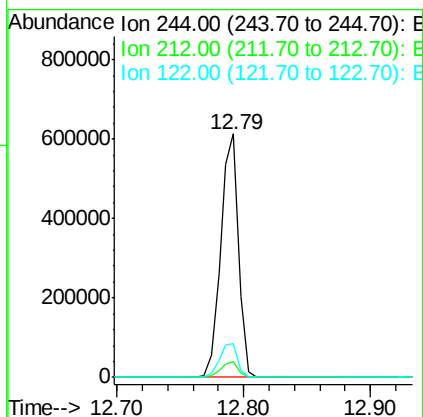
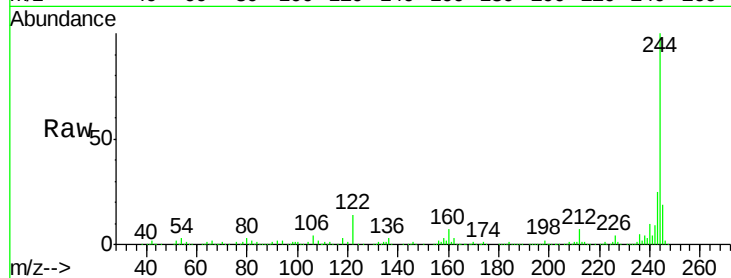




#78
 Terphenyl-d14
 Concen: 58.27 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 598134
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 14.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF096569.D
 Acq: 7 Jul 2017 19:56

Tgt Ion:264 Resp: 179634
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 20.3 17.2 25.8

