

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096998.D
 Acq On : 24 Jul 2017 21:19
 Operator : SJ/JU
 Sample : I4361-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

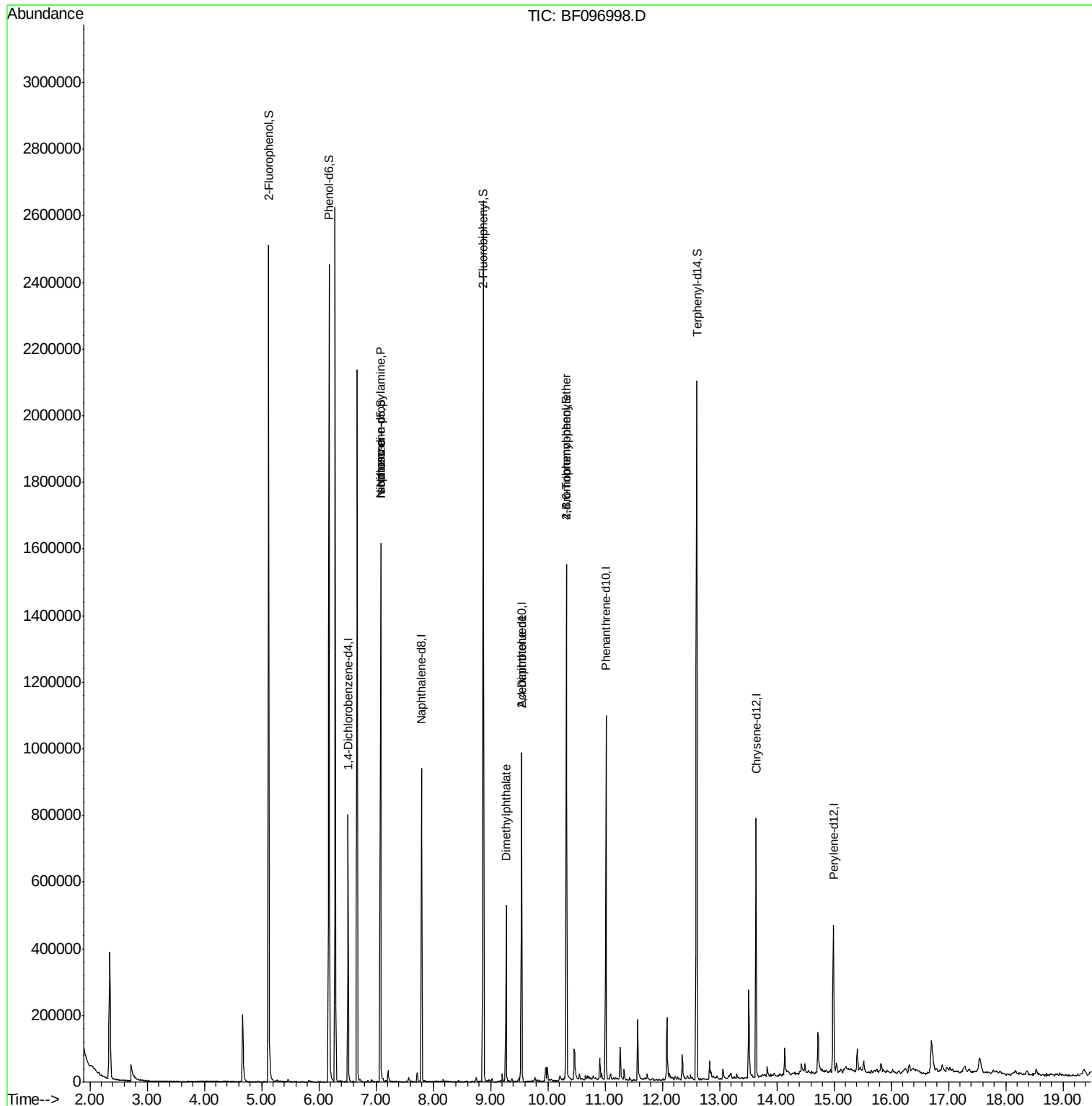
Quant Time: Jul 25 01:44:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:37:00 2017
 Response via : Initial Calibration

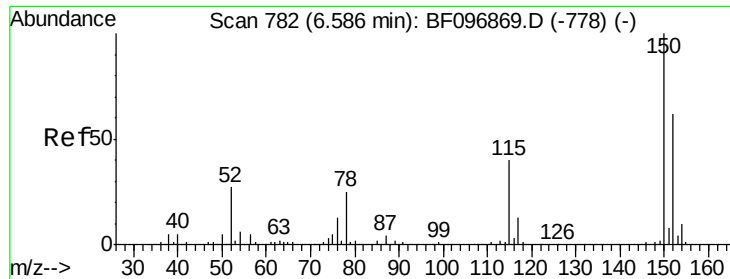
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	117489	20.00	ng	-0.03
21) Naphthalene-d8	7.79	136	441046	20.00	ng	-0.04
38) Acenaphthene-d10	9.54	164	202253	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	383079	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	250735	20.00	ng	-0.04
86) Perylene-d12	14.99	264	182613	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	718700	91.98	ng	-0.03
7) Phenol-d6	6.18	99	852372	90.90	ng	-0.04
23) Nitrobenzene-d5	7.08	82	503896	70.77	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	171761	99.49	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	875777	68.41	ng	-0.04
78) Terphenyl-d14	12.60	244	708986	49.04	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.08	70	66421	11.76	ng	# 86
25) Isophorone	7.08	82	501551	37.86	ng	# 67
49) Dimethylphthalate	9.27	163	227632	14.95	ng	98
56) 2,4-Dinitrotoluene	9.54	165	25263	5.96	ng	# 33
66) 4-Bromophenyl-phenylether	10.33	248	11036	2.82	ng	# 1

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

```
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ALS Vial  : 8      Sample Multiplier: 1
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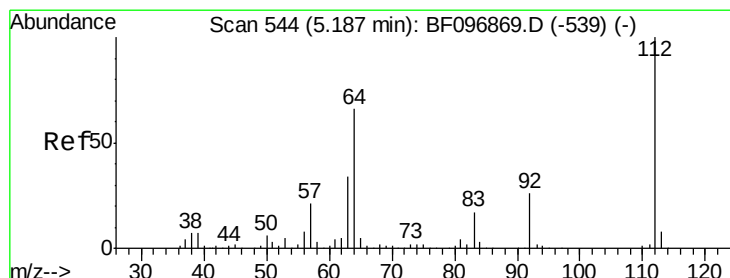
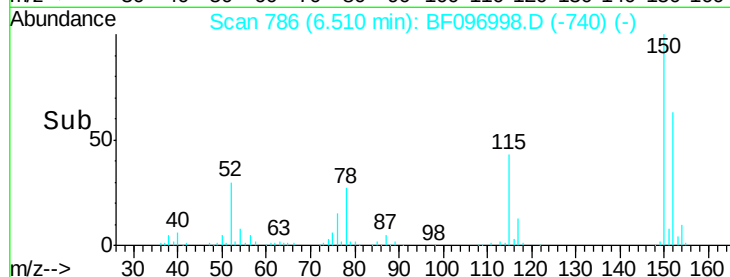
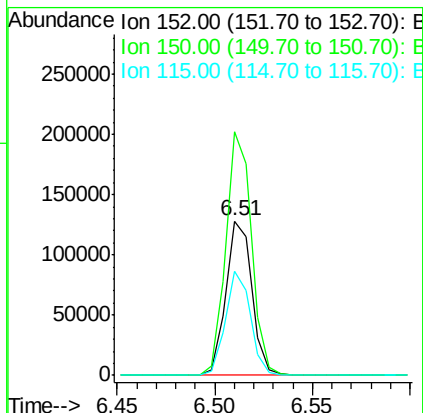
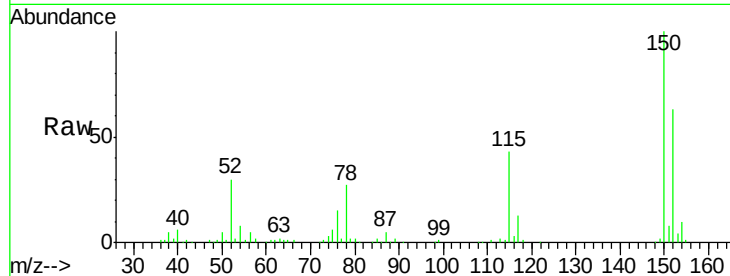


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Instrument :
BNA_F
ClientSampleId :

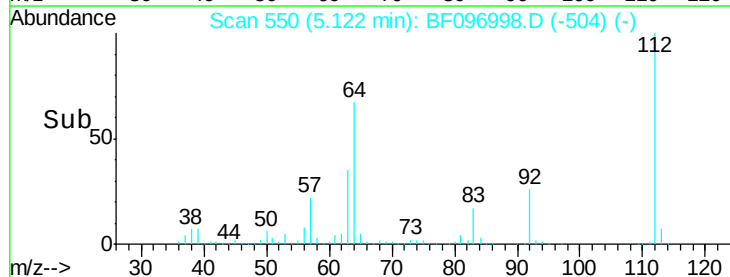
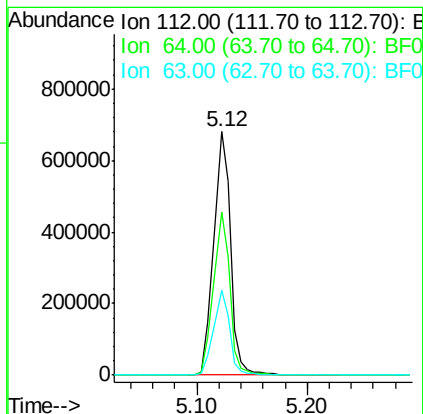
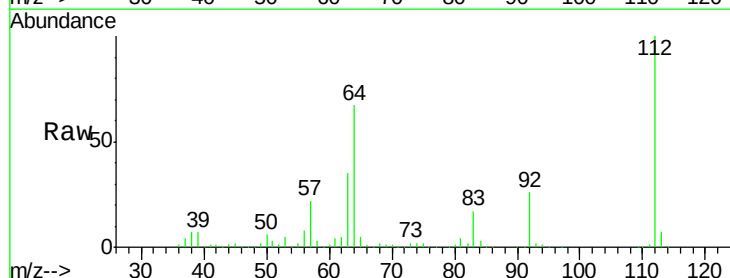
Tot Ion:152 Resp: 117489
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 67.3 52.2 78.2

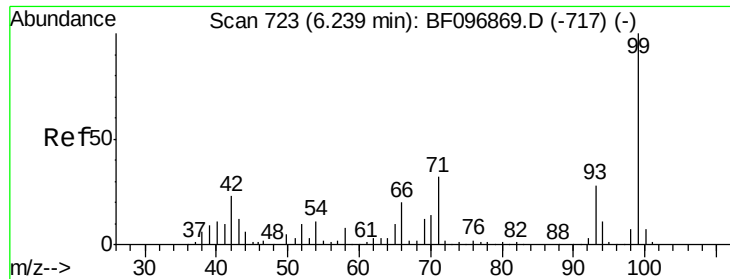


#5

2-Fluorophenol
Concen: 91.98 ng
RT: 5.12 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Tgt Ion:112 Resp: 718700
Ion Ratio Lower Upper
112 100
64 66.8 46.0 69.0
63 34.8 23.4 35.0





#7

Phenol-d6

Concen: 90.90 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

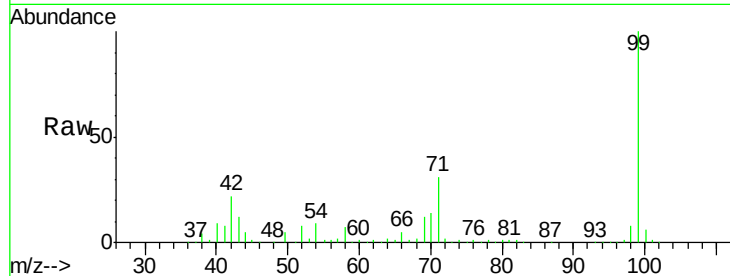
Instrument :

BNA_F

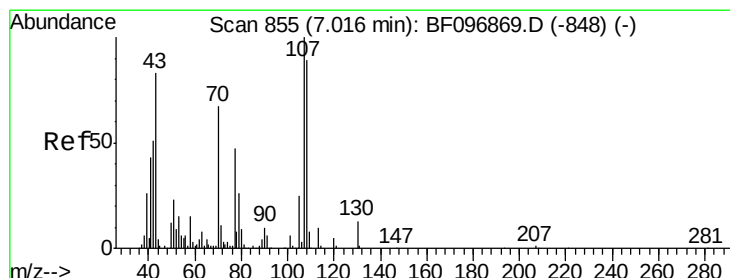
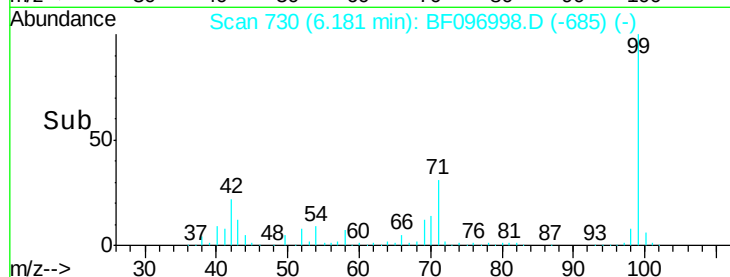
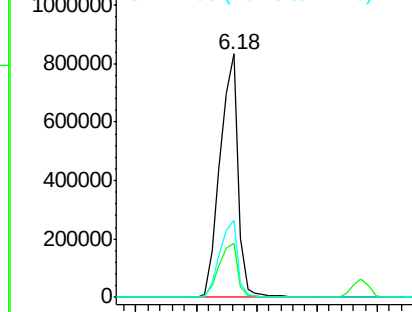
ClientSampleId :

Tot Ion: 99 Resp: 852372

Ion	Ratio	Lower	Upper
99	100		
42	22.2	13.5	20.3#
71	31.5	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



#19

n-Nitroso-di-n-propylamine

Concen: 11.76 ng

RT: 7.08 min Scan# 883

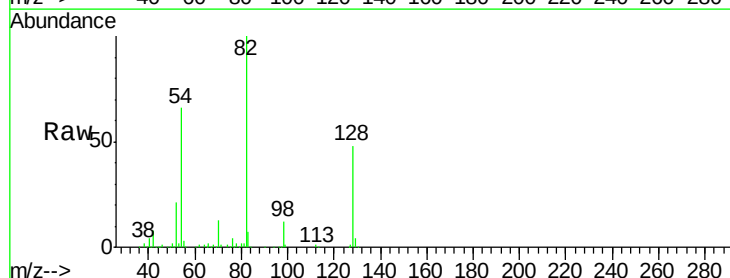
Delta R.T. 0.11 min

Lab File: BF096998.D

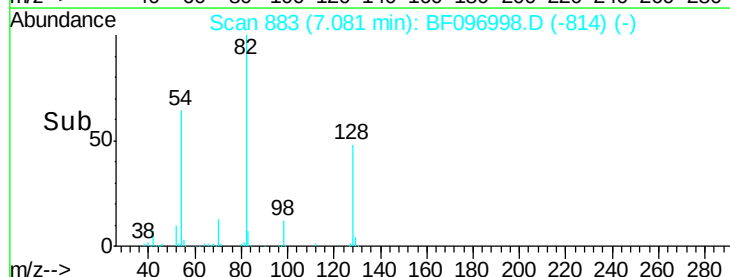
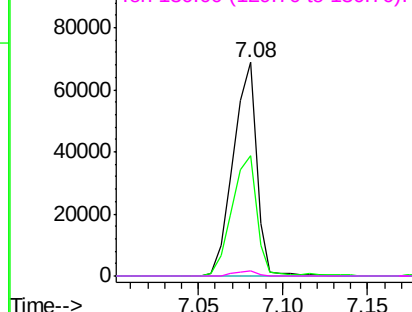
Acq: 24 Jul 2017 21:19

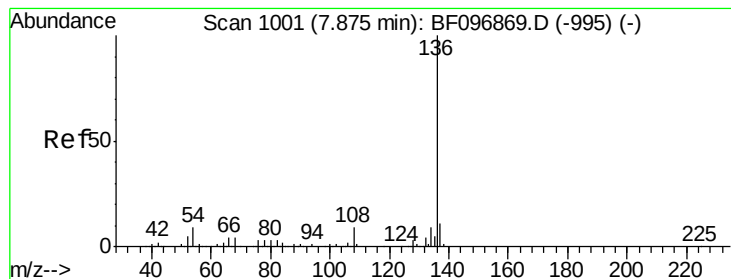
Tgt Ion: 70 Resp: 66421

Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.6	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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 441046

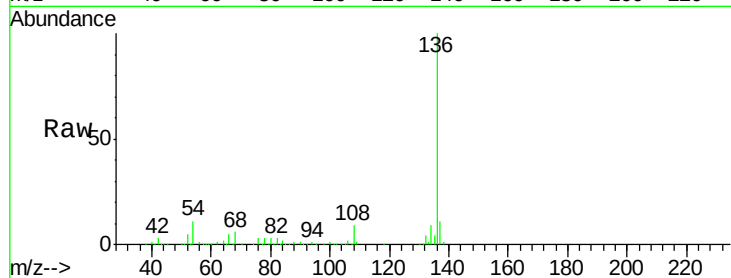
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.7 4.9 7.3#

68 5.6 4.1 6.1

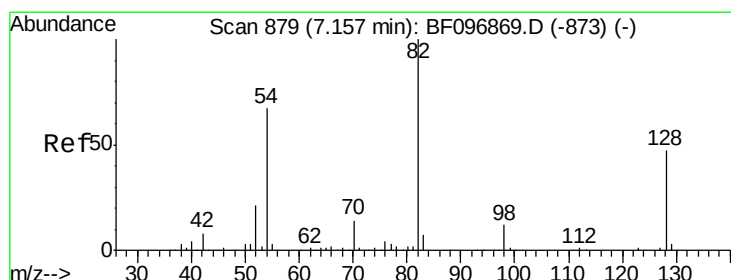
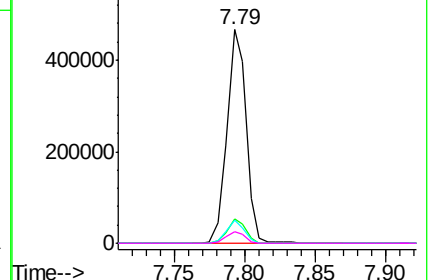
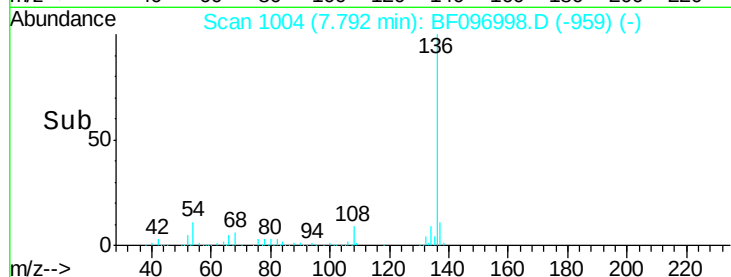


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.77 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

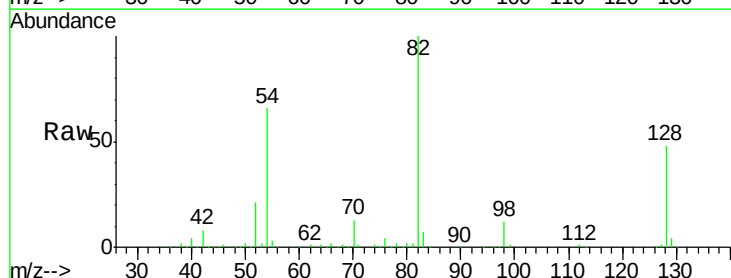
Tgt Ion: 82 Resp: 503896

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

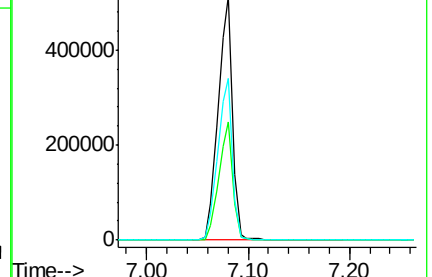
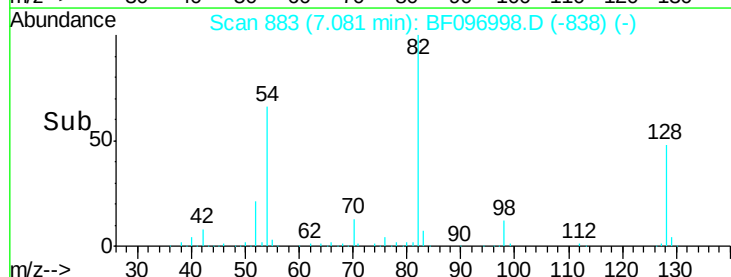
54 66.3 42.2 63.2#

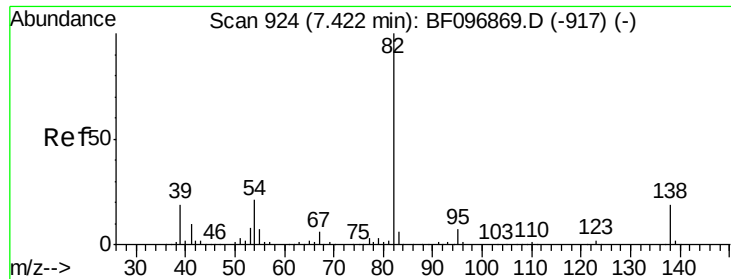


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

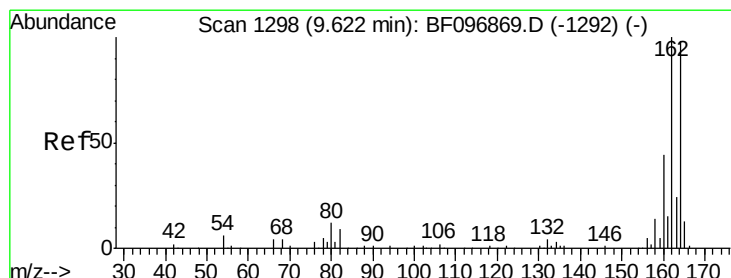
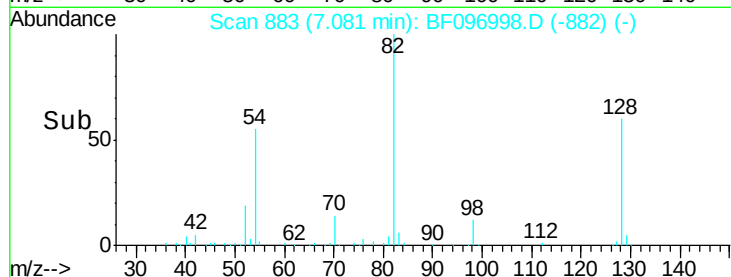
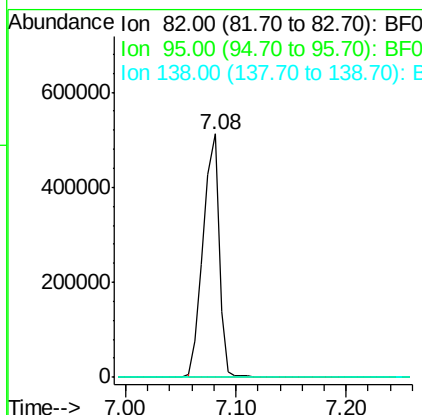
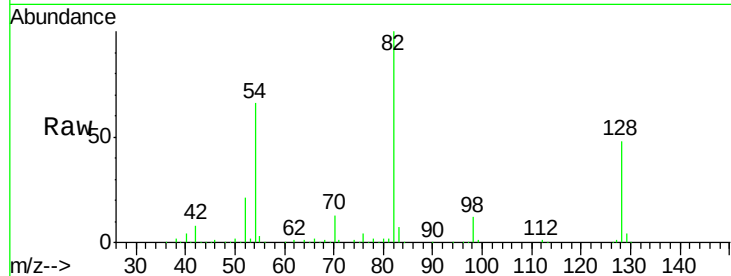




#25
Isophorone
Concen: 37.86 ng
RT: 7.08 min Scan# 883
Delta R.T. -0.29 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

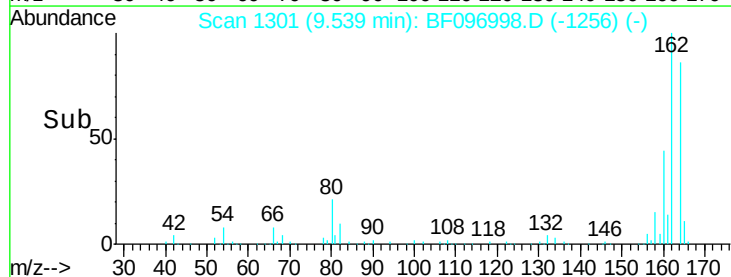
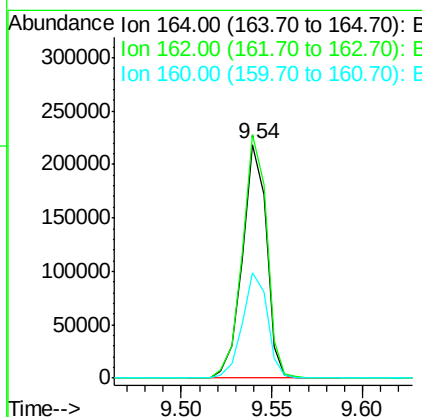
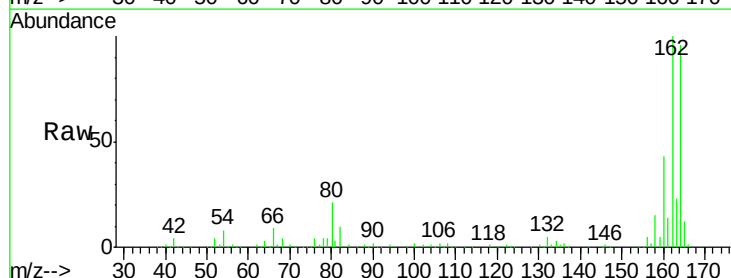
Instrument :
BNA_F
ClientSampleId :

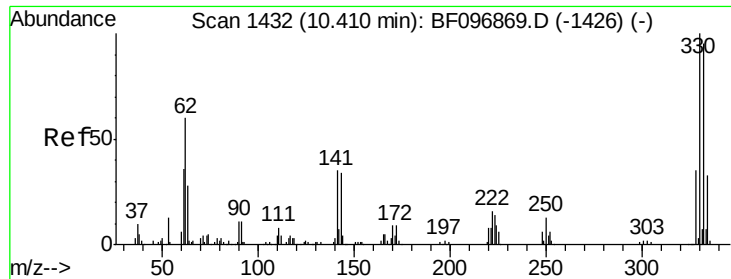
Tot Ion: 82 Resp: 501551
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Tgt Ion: 164 Resp: 202253
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 44.8 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 99.49 ng

RT: 10.33 min Scan# 1435

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

Instrument :

BNA_F

ClientSampleId :

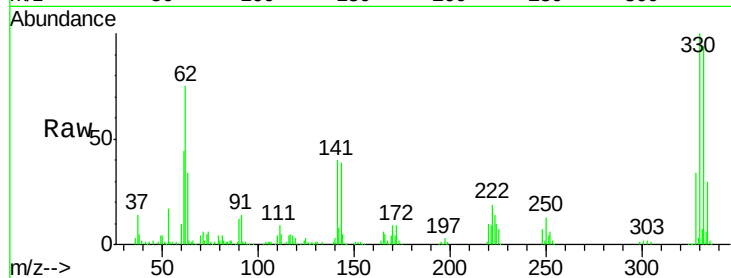
Tot Ion:330 Resp: 171761

Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

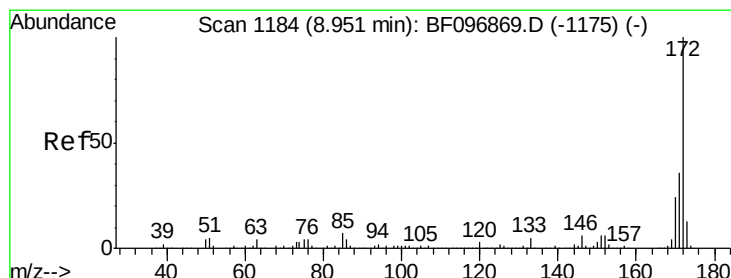
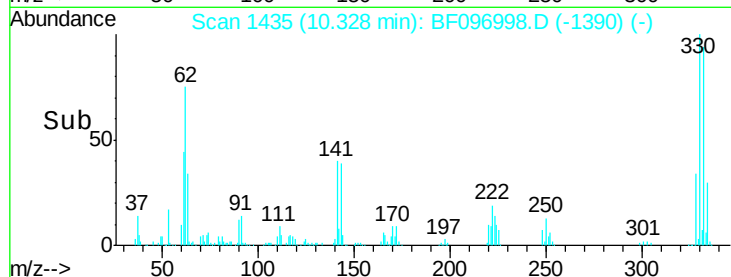
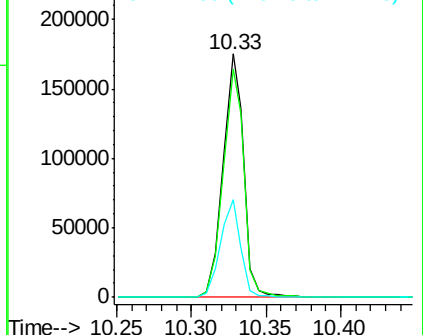
141 39.4 31.4 47.2



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: 68.41 ng

RT: 8.87 min Scan# 1188

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

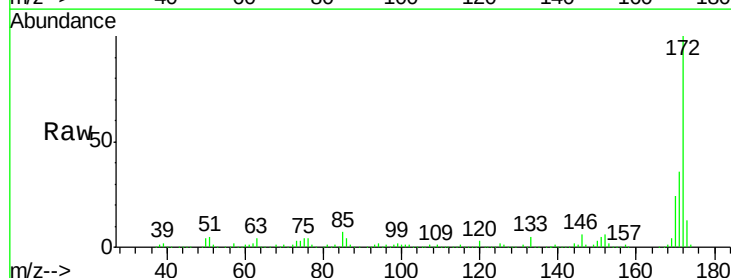
Tgt Ion:172 Resp: 875777

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

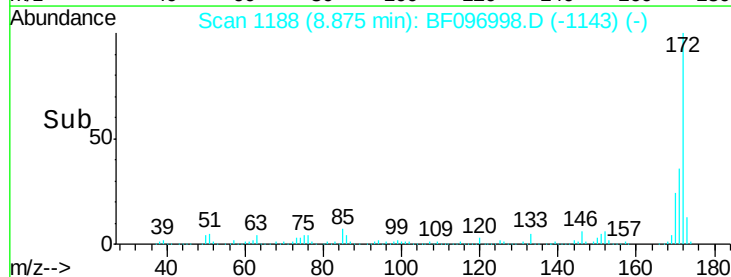
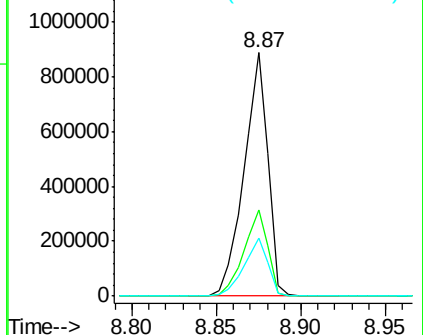
170 23.6 19.8 29.8

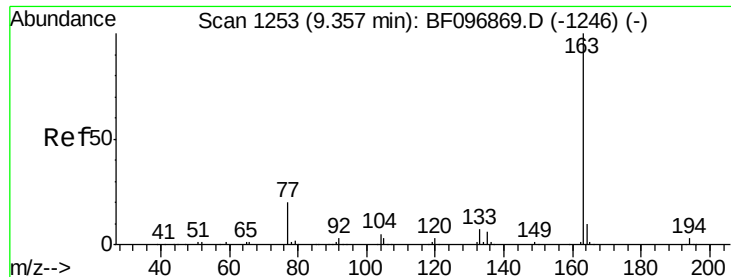


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

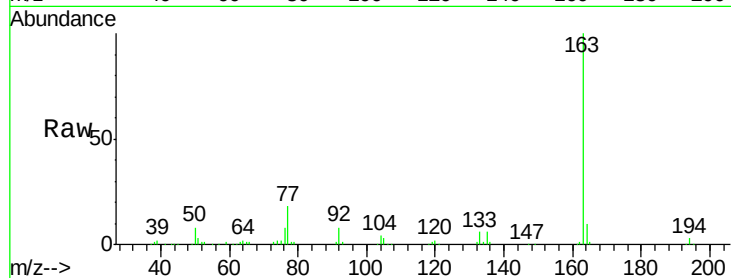




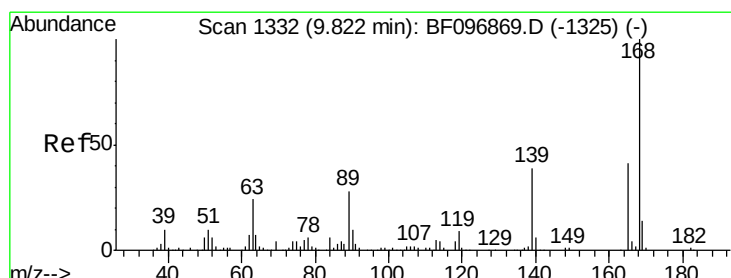
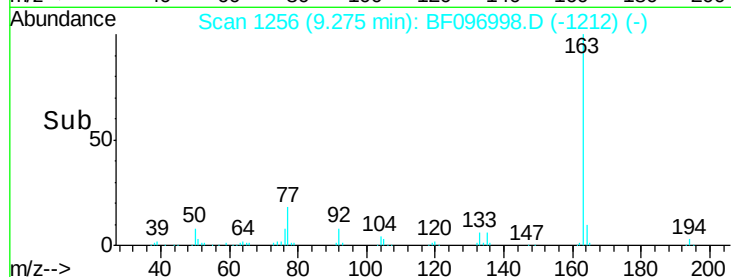
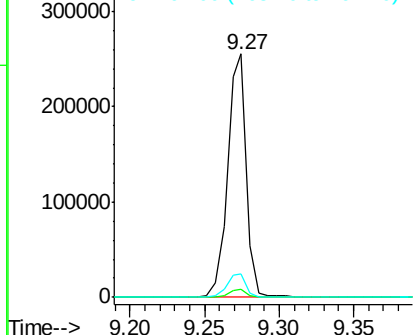
#49
Dimethylphthalate
Concen: 14.95 ng
RT: 9.27 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 227632
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.6 8.4 12.6

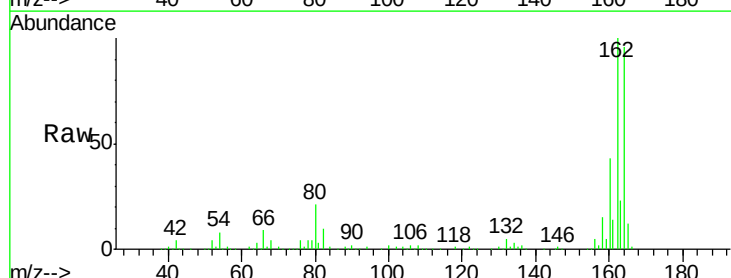


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

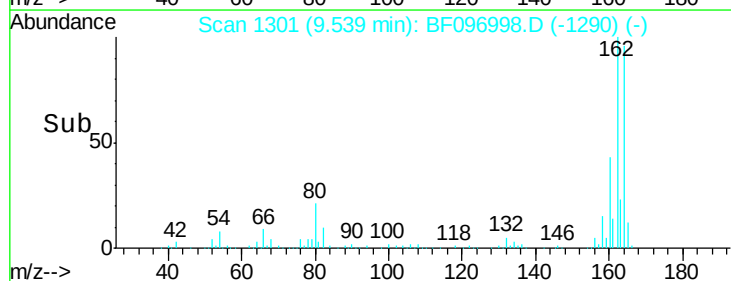
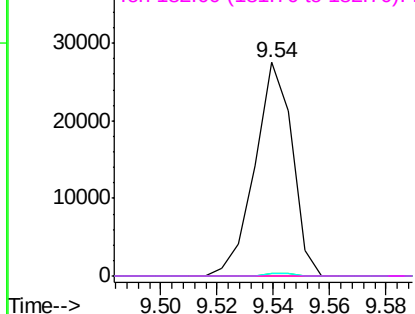


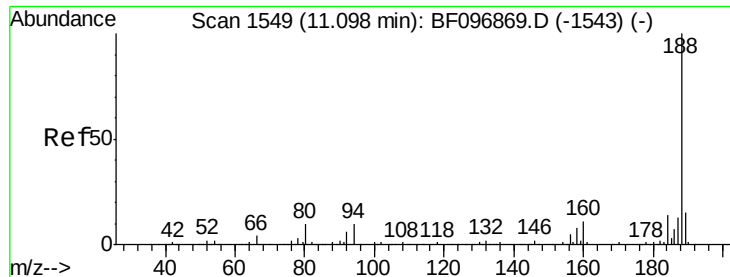
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.24 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Tgt Ion:165 Resp: 25263
Ion Ratio Lower Upper
165 100
63 1.2 25.4 38.0#
89 1.4 46.4 69.6#
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

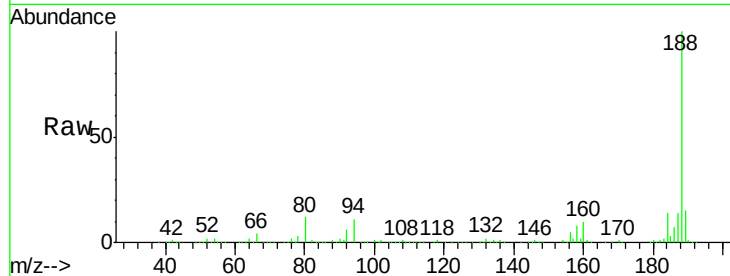




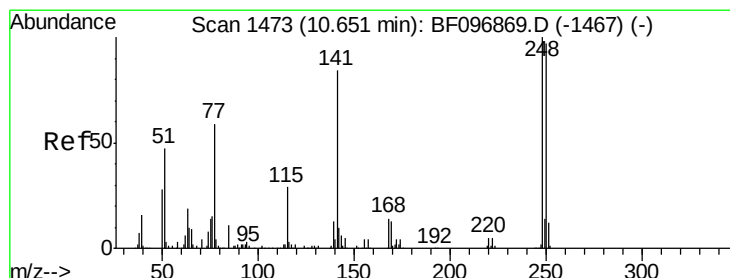
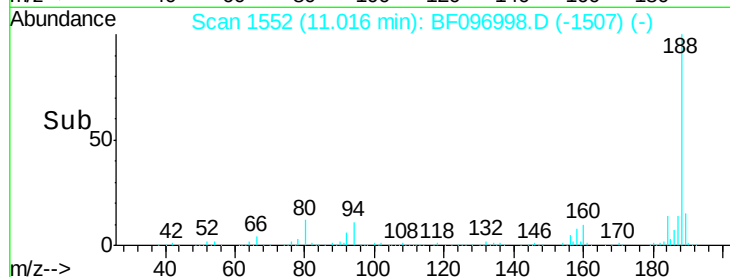
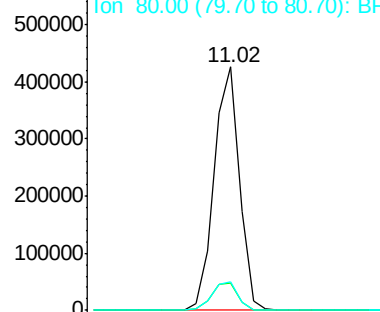
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.04 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 383079
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.7 10.2 15.2

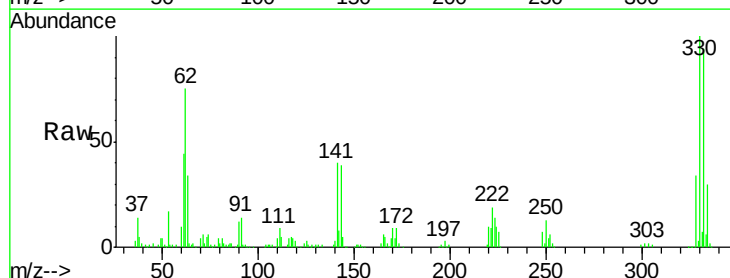


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

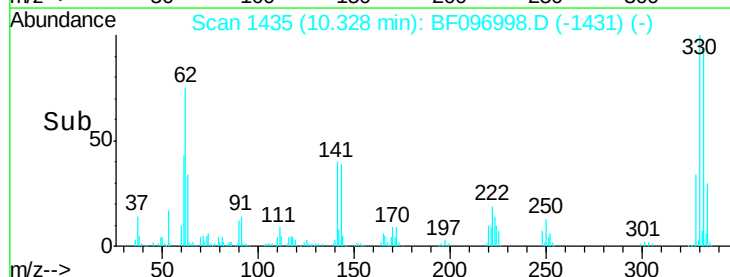
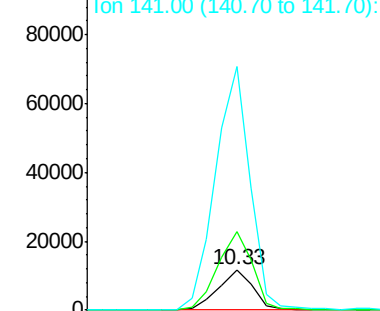


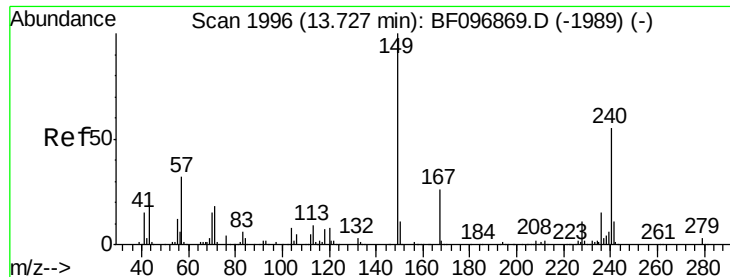
#66
4-Bromophenyl-phenylether
Concen: 2.82 ng
RT: 10.33 min Scan# 1435
Delta R.T. -0.28 min
Lab File: BF096998.D
Acq: 24 Jul 2017 21:19

Tgt Ion:248 Resp: 11036
Ion Ratio Lower Upper
248 100
250 193.4 76.8 115.2#
141 598.7 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: 13.64 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

Instrument :

BNA_F

ClientSampleId :

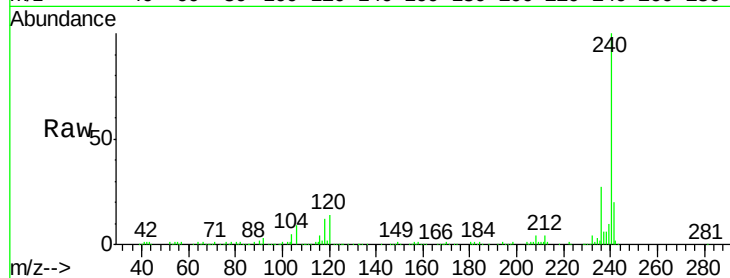
Tot Ion:240 Resp: 250735

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

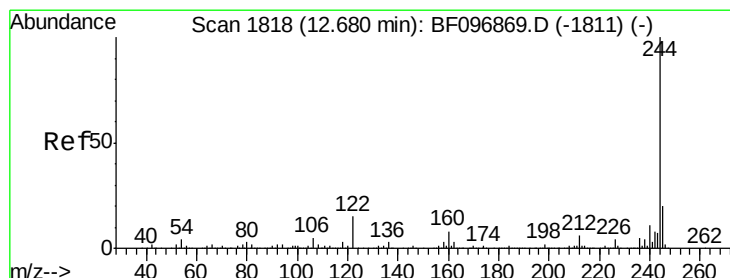
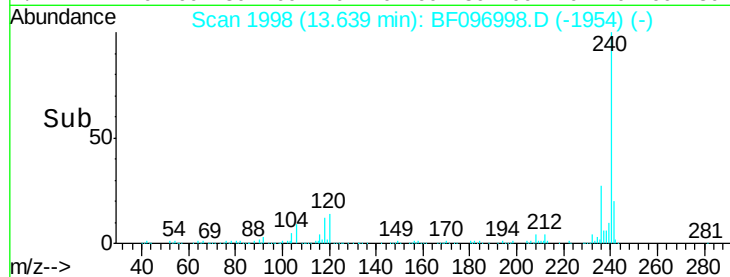
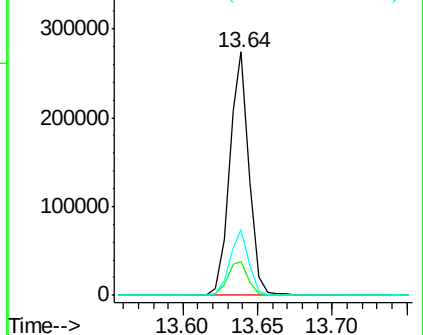
236 26.9 20.5 30.7



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: 49.04 ng

RT: 12.60 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF096998.D

Acq: 24 Jul 2017 21:19

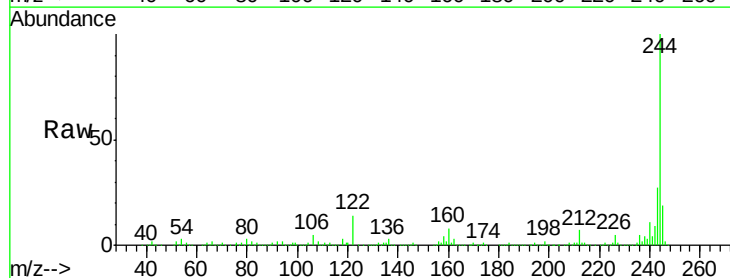
Tgt Ion:244 Resp: 708986

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

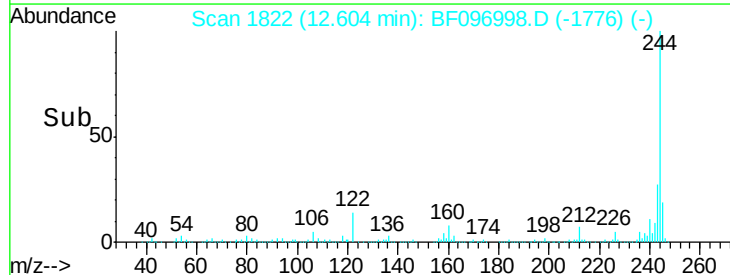
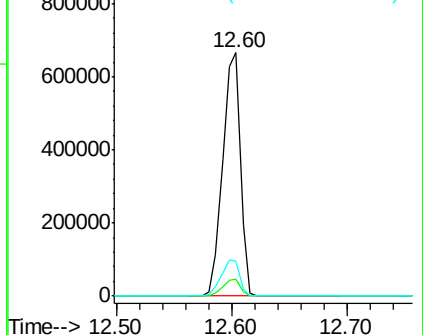
122 14.3 10.3 15.5

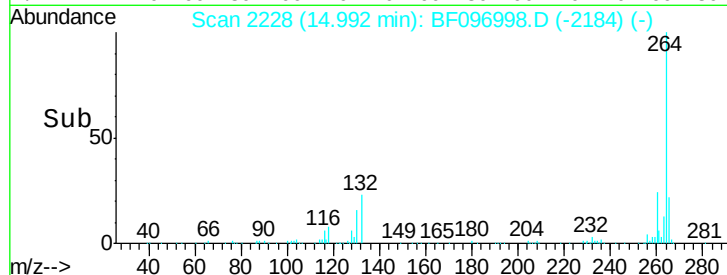
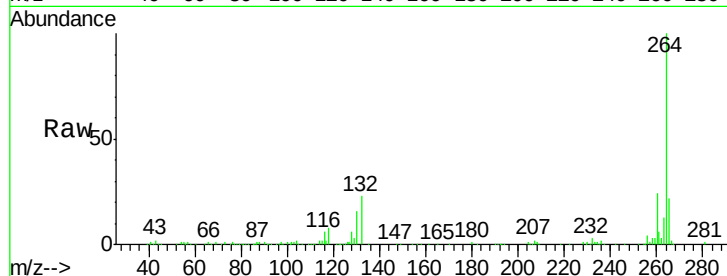
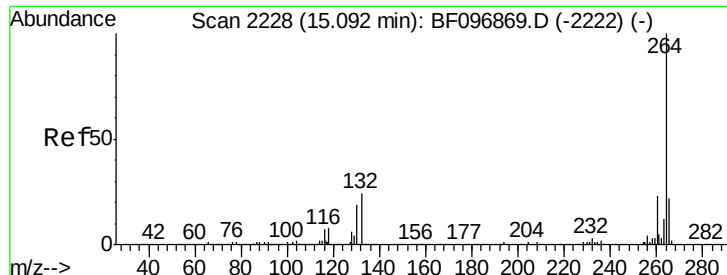


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.99 min Scan# 2228
 Delta R.T. -0.04 min
 Lab File: BF096998.D
 Acq: 24 Jul 2017 21:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	182613
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.8	17.2	25.8

