

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096594.D
 Acq On : 10 Jul 2017 12:07
 Operator : SJ/JU
 Sample : I4061-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 01:06:08 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

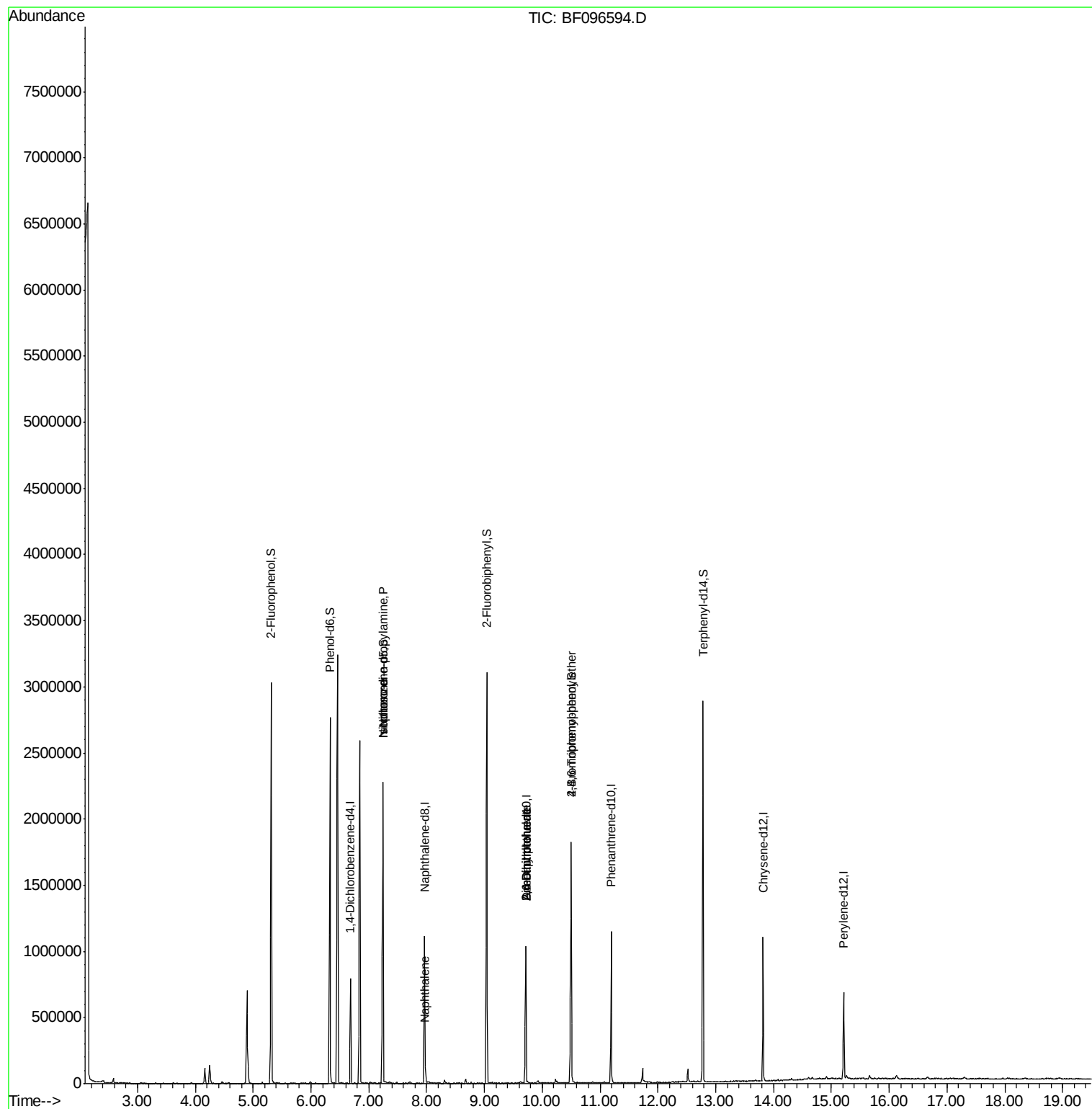
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	116248	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	492312	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	222234	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	396459	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	352252	20.00	ng	-0.02
86) Perylene-d12	15.22	264	264054	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	903558	114.72	ng	0.00
7) Phenol-d6	6.33	99	1013204	104.64	ng	-0.02
23) Nitrobenzene-d5	7.25	82	721705	88.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	257396	148.28	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1218194	93.72	ng	-0.02
78) Terphenyl-d14	12.78	244	1090115	66.13	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	94546	16.39	ng	# 87
25) Isophorone	7.25	82	719643	45.30	ng	# 67
31) Naphthalene	7.98	128	48792	2.10	ng	97
49) Dimethylphthalate	9.72	163	66736	4.02	ng	# 1
50) 2,6-Dinitrotoluene	9.72	165	28938	7.89	ng	# 34
56) 2,4-Dinitrotoluene	9.72	165	28938	6.23	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	16744	4.34	ng	# 1

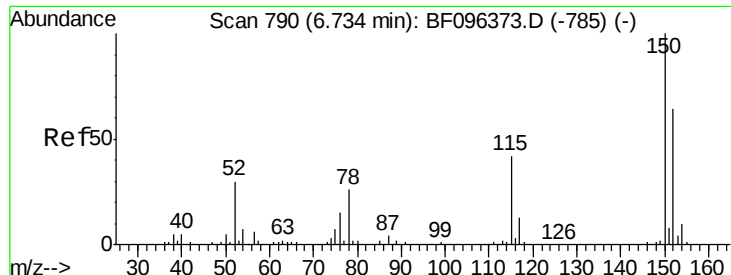
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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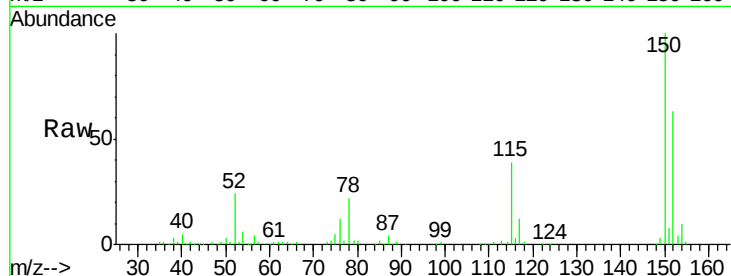


#1

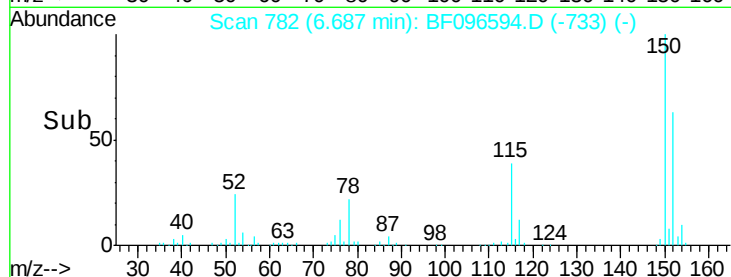
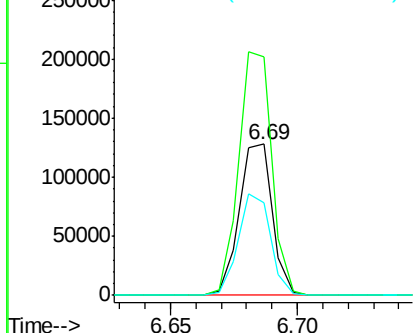
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116248
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 61.7 52.2 78.2



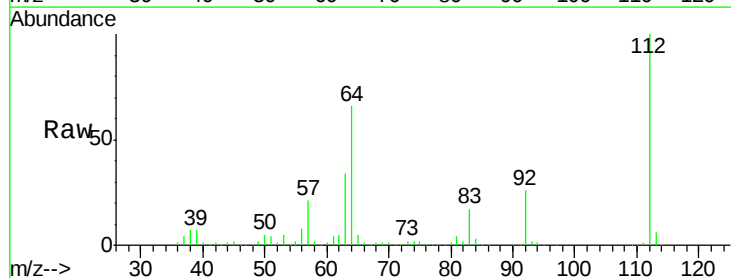
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



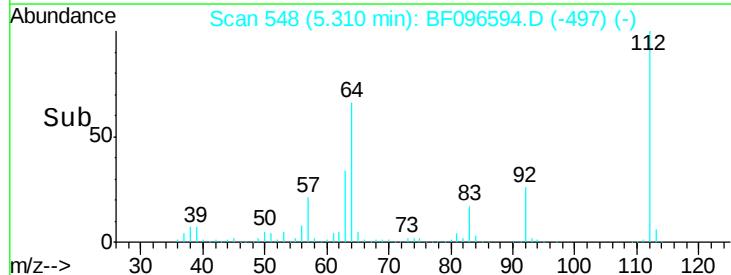
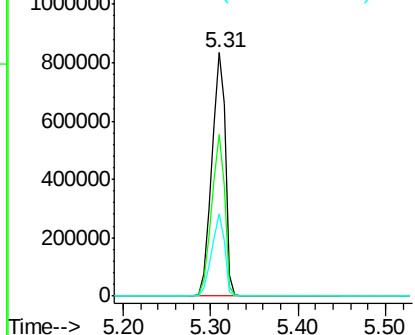
#5

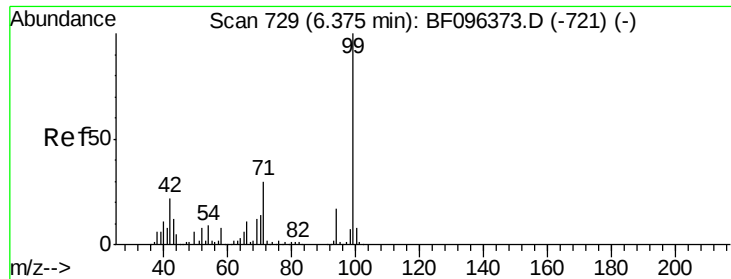
2-Fluorophenol
Concen: 114.72 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Tgt Ion:112 Resp: 903558
Ion Ratio Lower Upper
112 100
64 66.4 46.0 69.0
63 33.7 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: 104.64 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

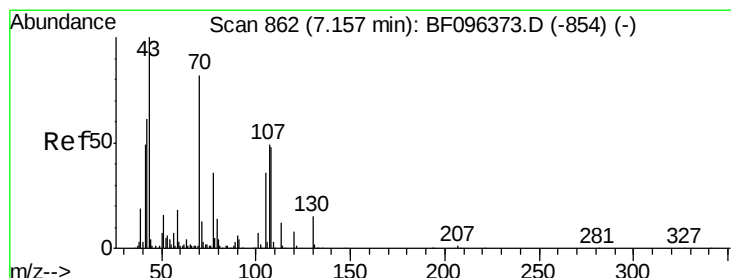
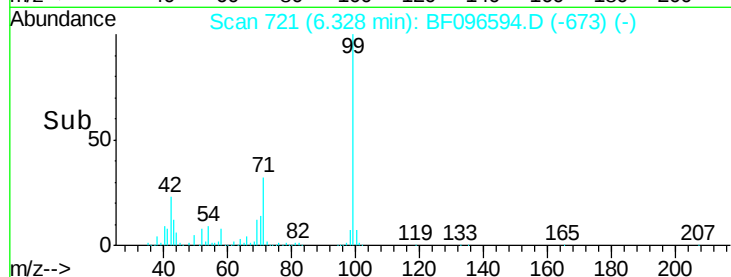
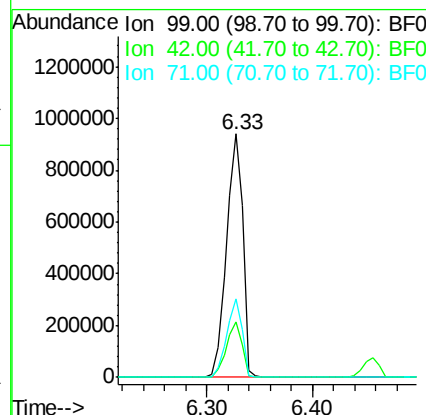
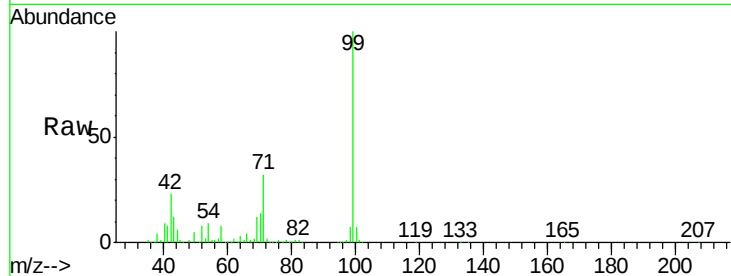
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1013204

Ion	Ratio	Lower	Upper
99	100		
42	22.9	13.5	20.3#
71	32.1	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 16.39 ng

RT: 7.25 min Scan# 877

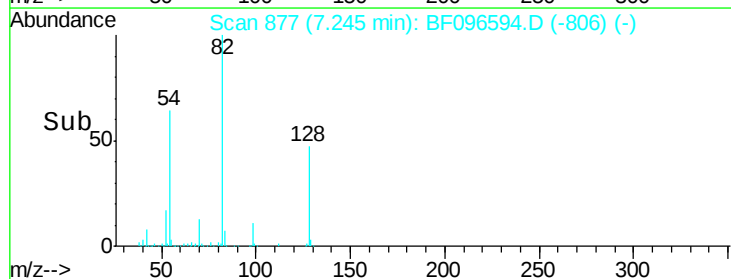
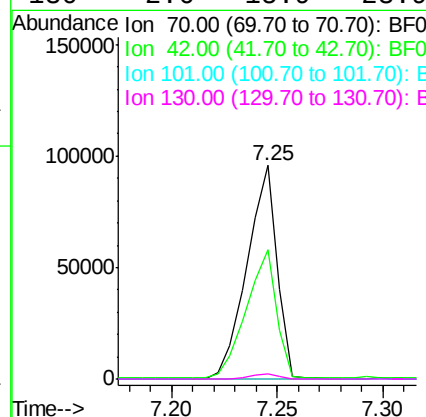
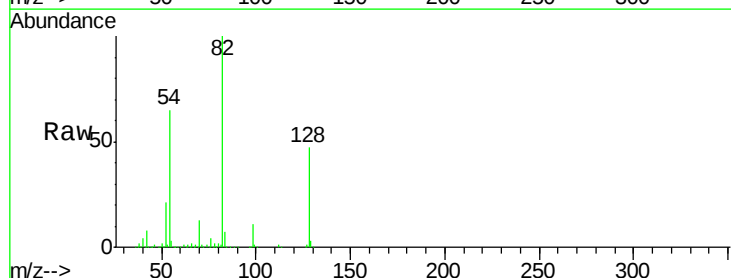
Delta R.T. 0.12 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

Tgt Ion: 70 Resp: 94546

Ion	Ratio	Lower	Upper
70	100		
42	60.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 492312

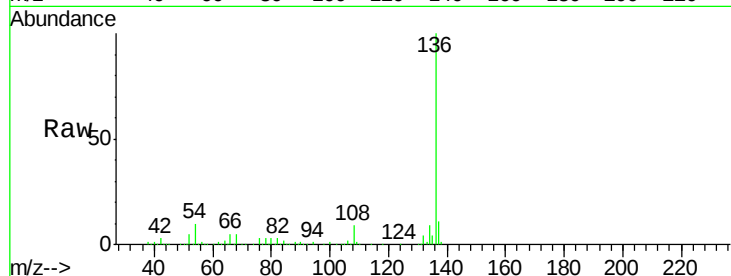
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.4 4.9 7.3#

68 5.4 4.1 6.1

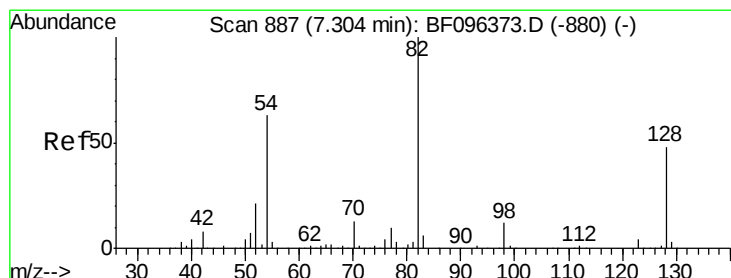
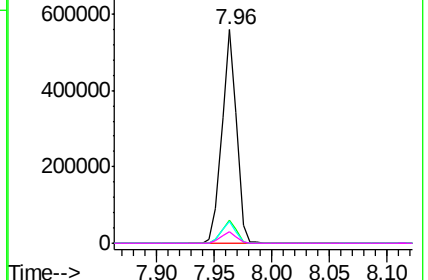
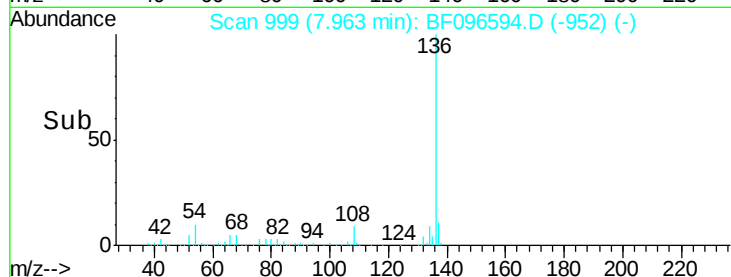


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.09 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

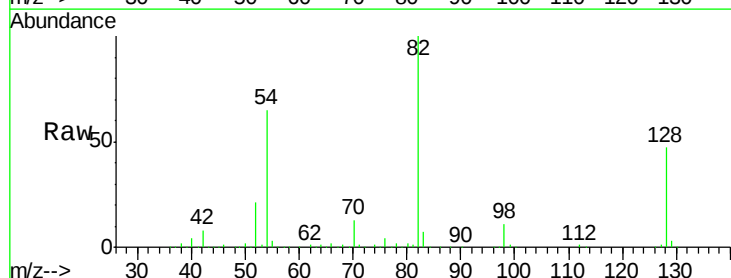
Tgt Ion: 82 Resp: 721705

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

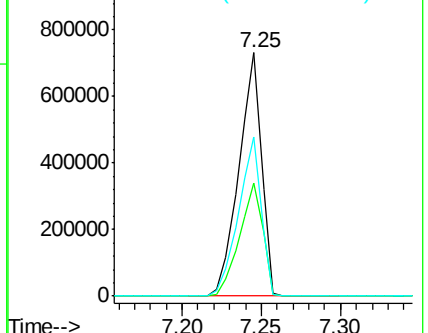
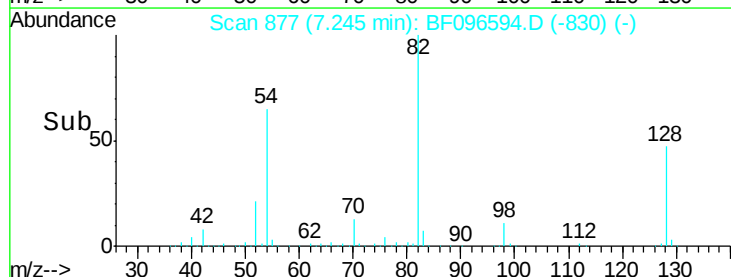
54 65.2 42.2 63.2#

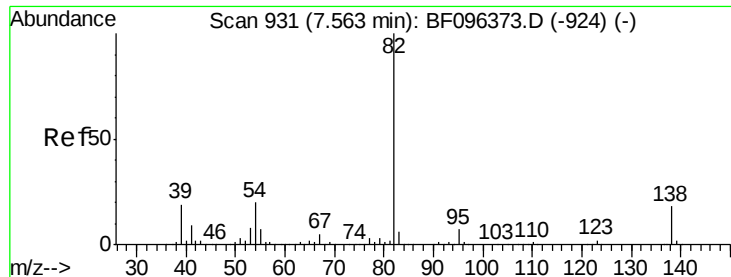


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.30 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

Instrument :

BNA_F

ClientSampleId :

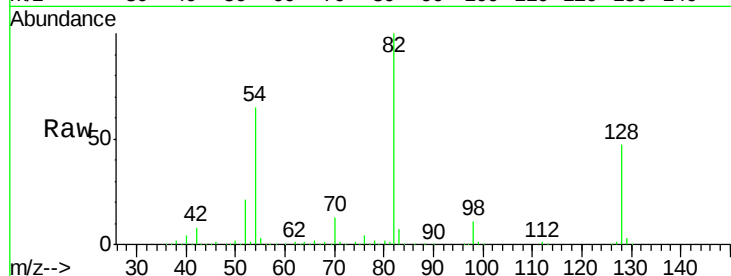
Tot Ion: 82 Resp: 719643

Ion Ratio Lower Upper

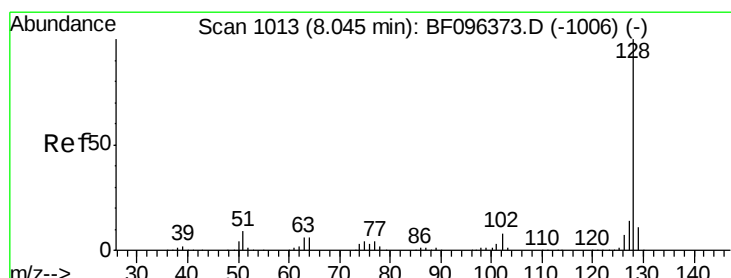
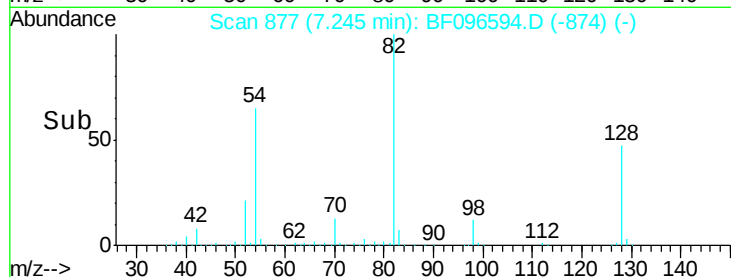
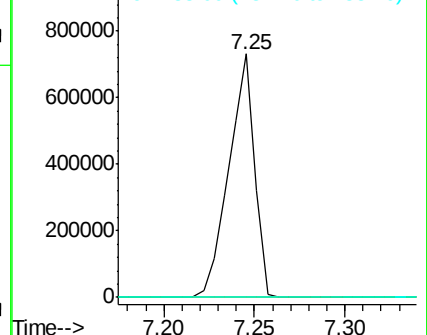
82 100

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



#31

Naphthalene

Concen: 2.10 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

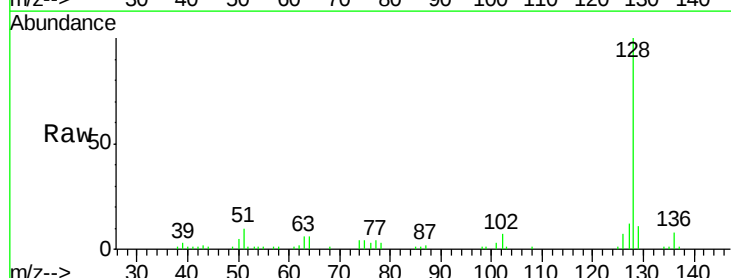
Tgt Ion: 128 Resp: 48792

Ion Ratio Lower Upper

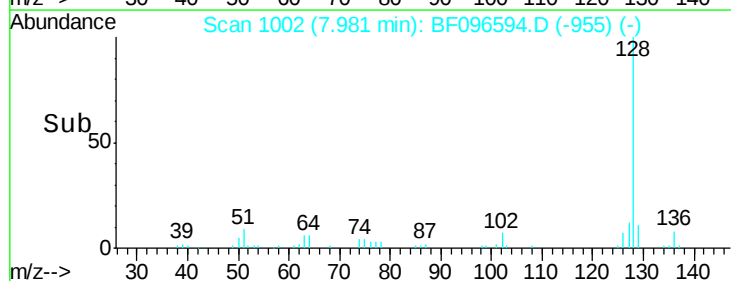
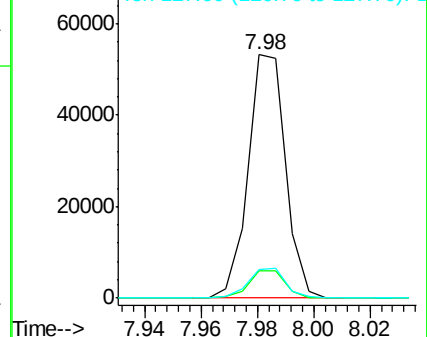
128 100

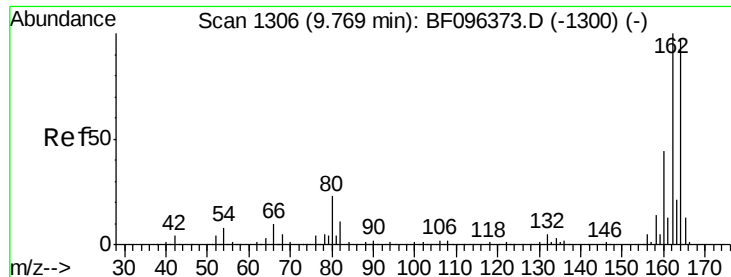
129 11.3 9.0 13.6

127 11.6 10.8 16.2



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

Instrument :

BNA_F

ClientSampleId :

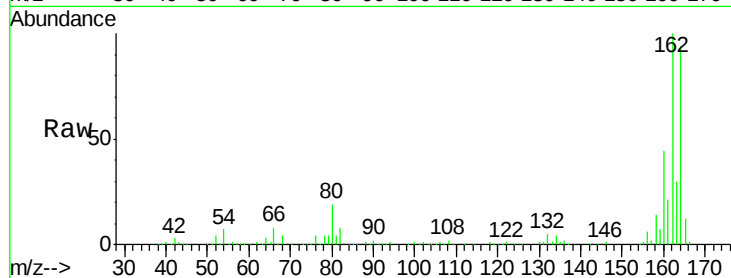
Tot Ion:164 Resp: 222234

Ion Ratio Lower Upper

164 100

162 106.1 82.6 123.8

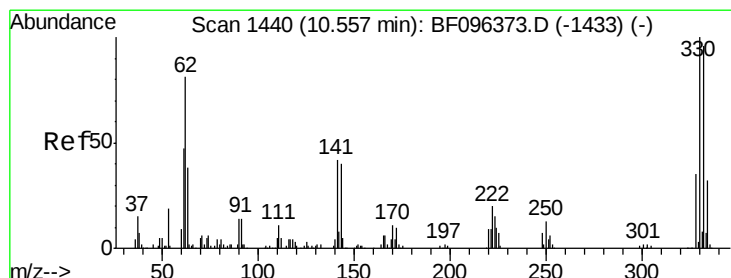
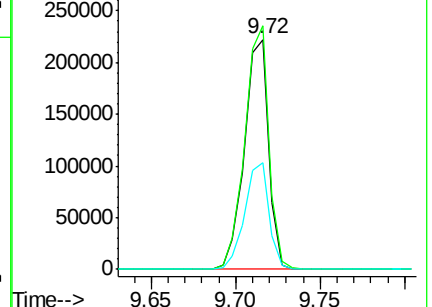
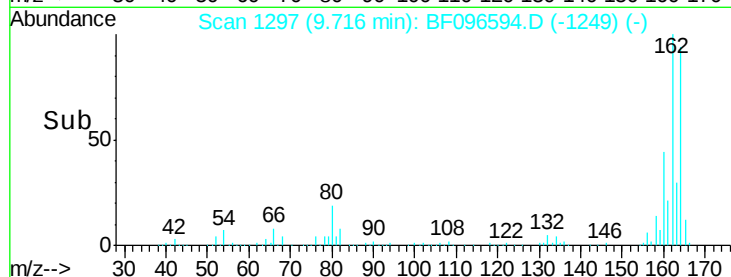
160 46.3 36.2 54.2



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: 148.28 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

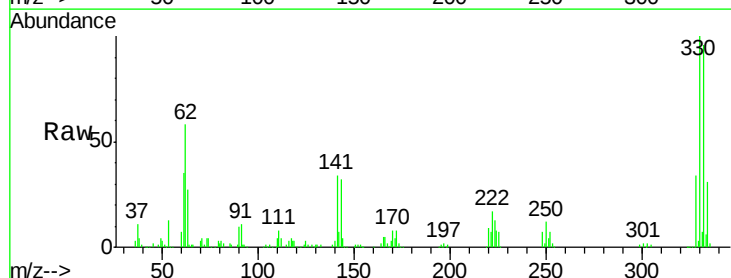
Tgt Ion:330 Resp: 257396

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

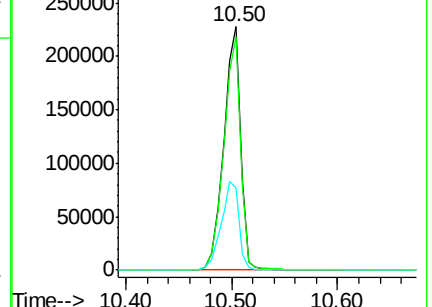
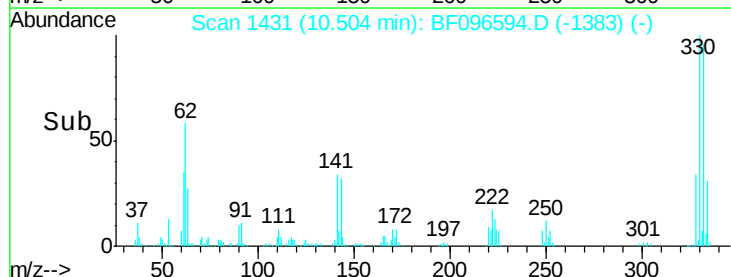
141 38.5 31.4 47.2

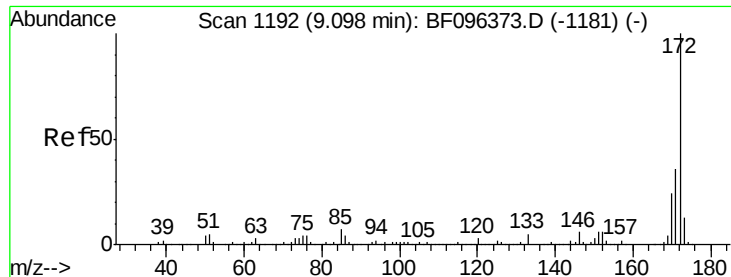


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

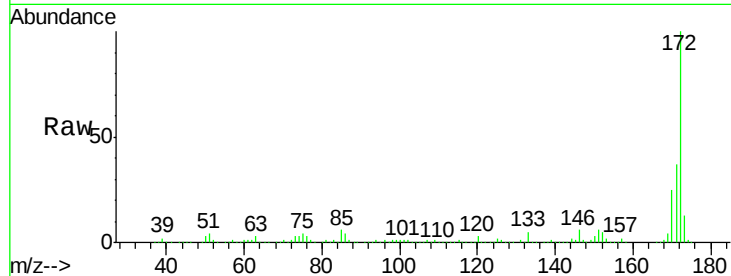




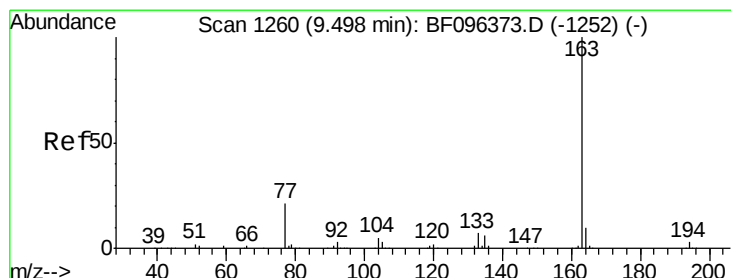
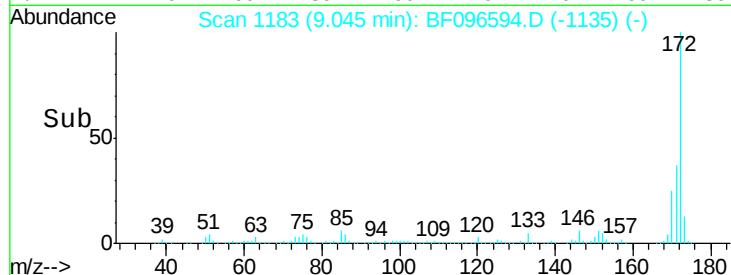
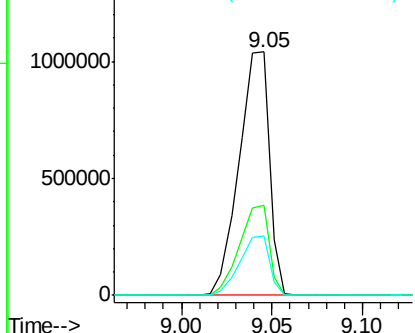
#44
2-Fluorobiphenyl
Concen: 93.72 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1218194
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 24.6 19.8 29.8

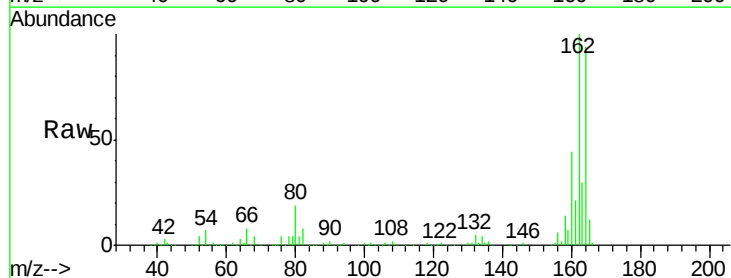


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

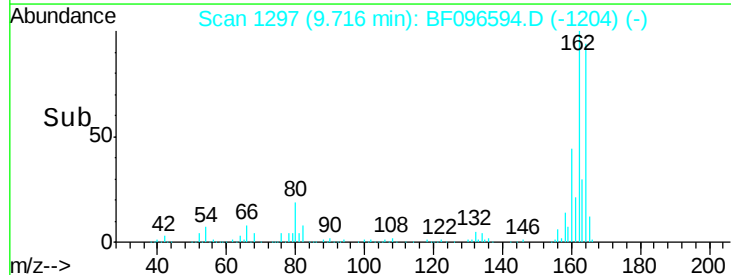
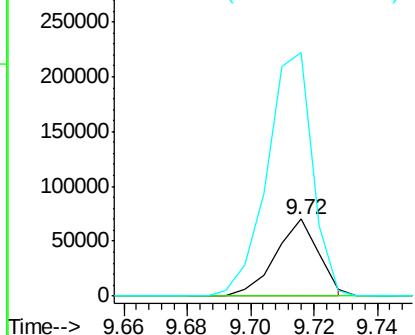


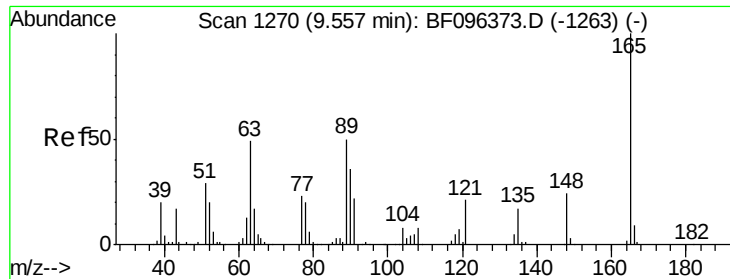
#49
Dimethylphthalate
Concen: 4.02 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.25 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Tgt Ion:163 Resp: 66736
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 317.1 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

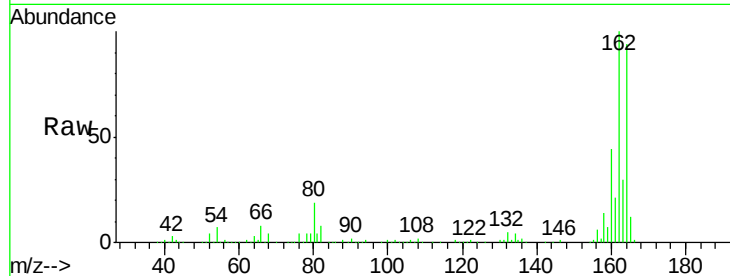




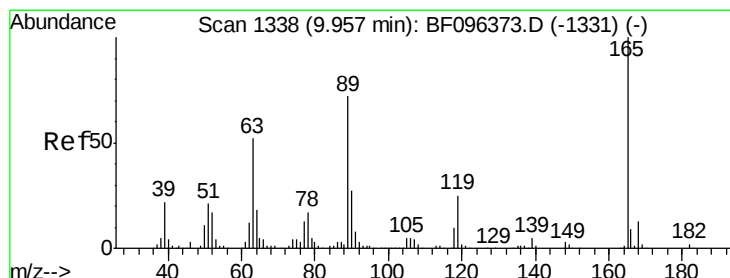
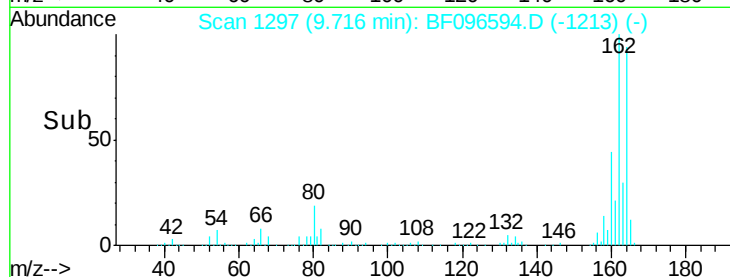
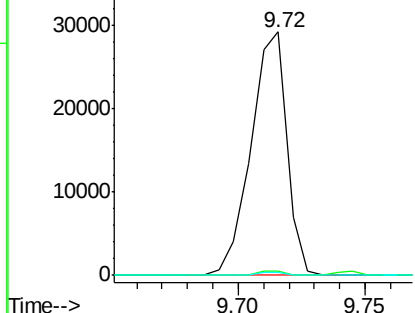
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.19 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.3	37.1	55.7#



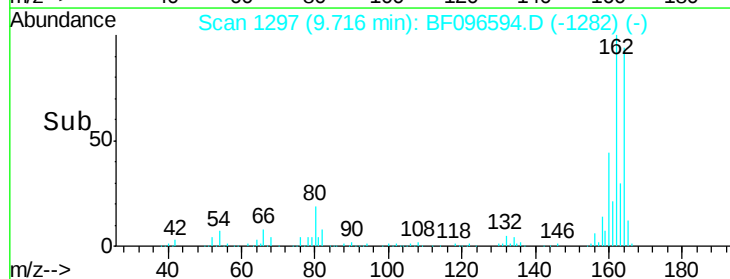
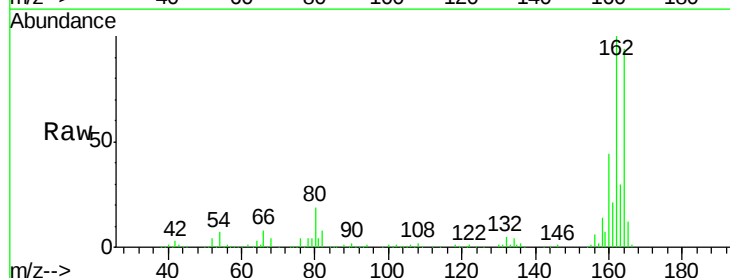
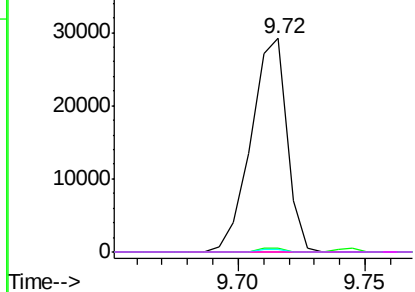
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

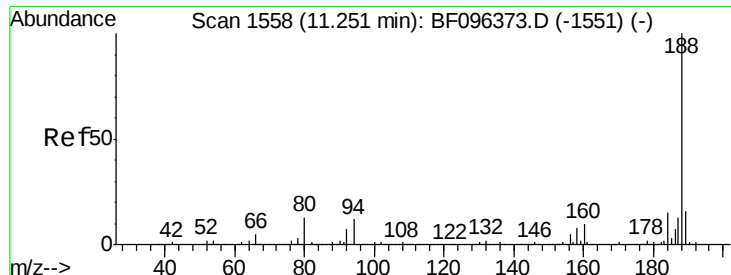


#56
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.21 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.3	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

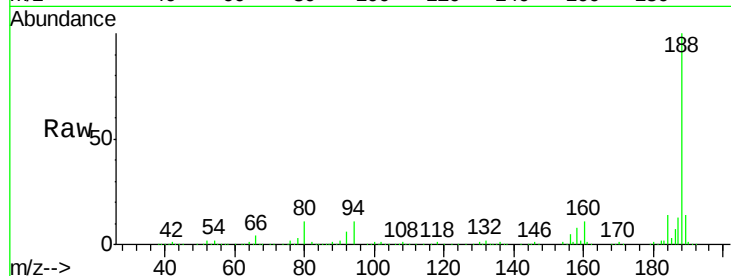




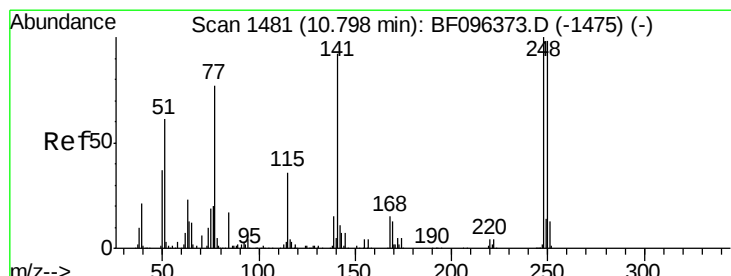
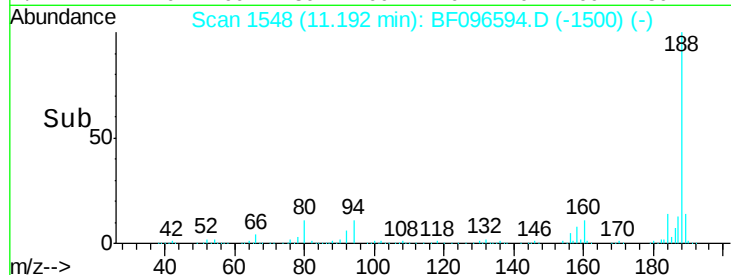
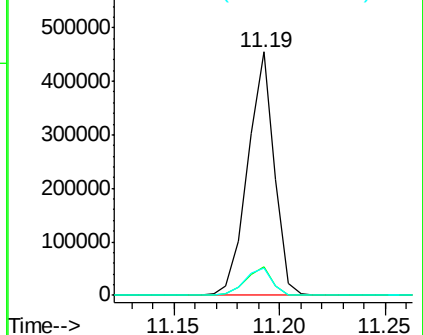
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096594.D
 Acq: 10 Jul 2017 12:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 396459
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 11.3 10.2 15.2

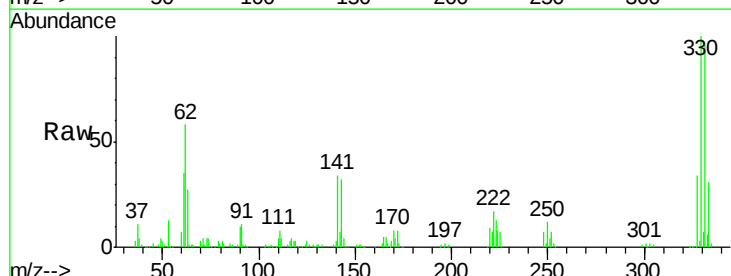


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

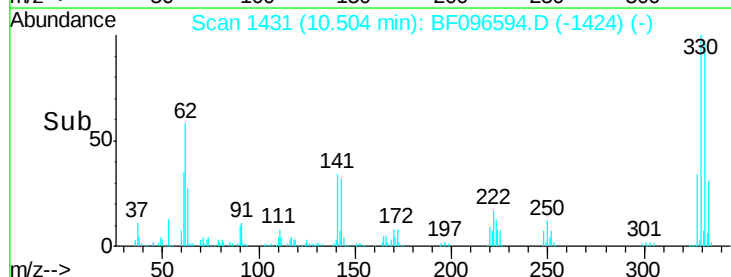
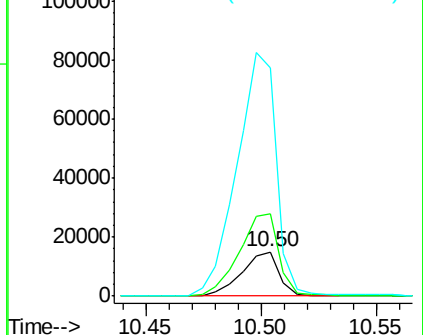


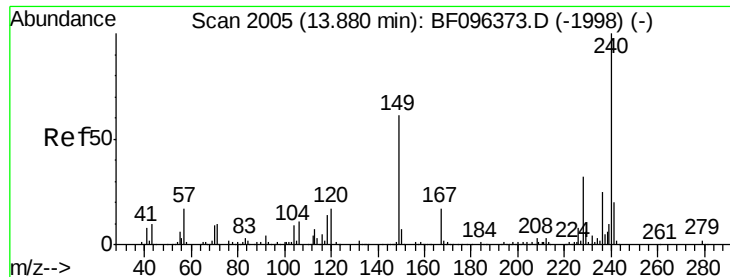
#66
 4-Bromophenyl-phenylether
 Concen: 4.34 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.26 min
 Lab File: BF096594.D
 Acq: 10 Jul 2017 12:07

Tgt Ion:248 Resp: 16744
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.8 115.2#
 141 516.4 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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

Instrument :

BNA_F

ClientSampled :

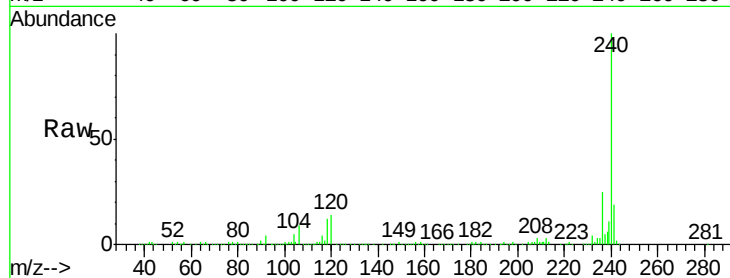
Tot Ion:240 Resp: 352252

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

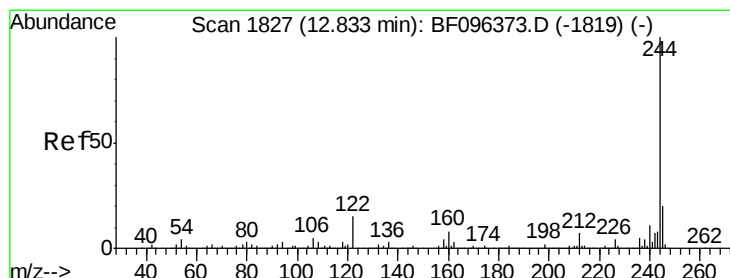
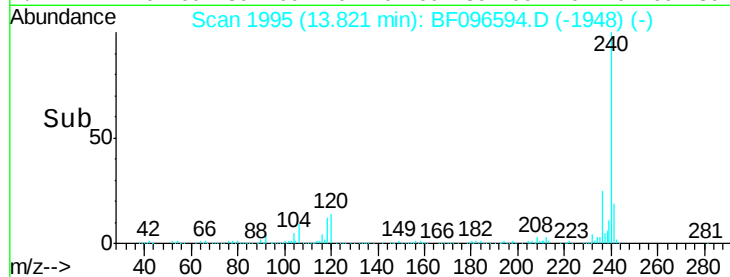
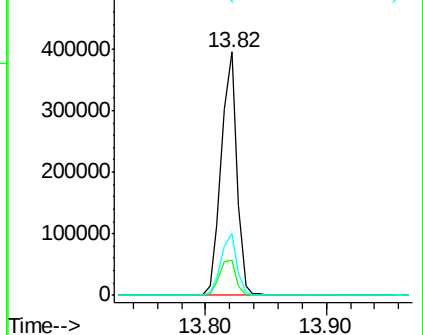
236 25.4 20.5 30.7



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: 66.13 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096594.D

Acq: 10 Jul 2017 12:07

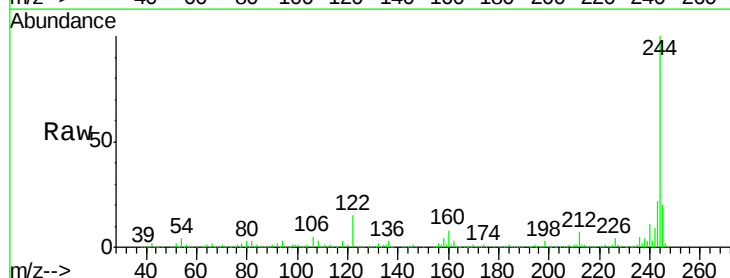
Tgt Ion:244 Resp: 1090115

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

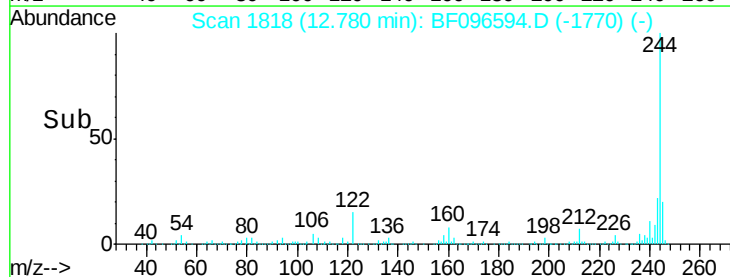
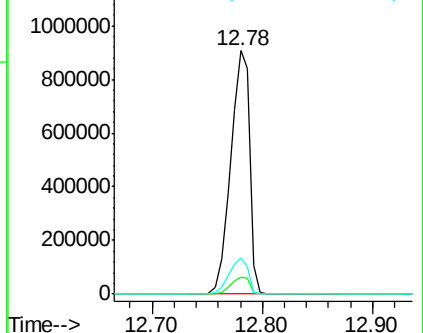
122 14.9 10.3 15.5

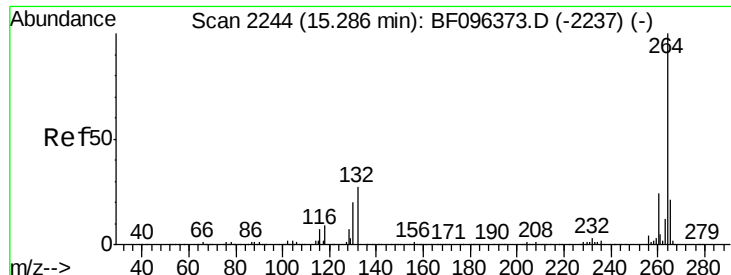


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 2232
Delta R.T. -0.03 min
Lab File: BF096594.D
Acq: 10 Jul 2017 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.9	17.2	25.8

