

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098819.D
 Acq On : 26 Sep 2017 9:00
 Operator : SJ/JU
 Sample : I5384-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 11:18:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

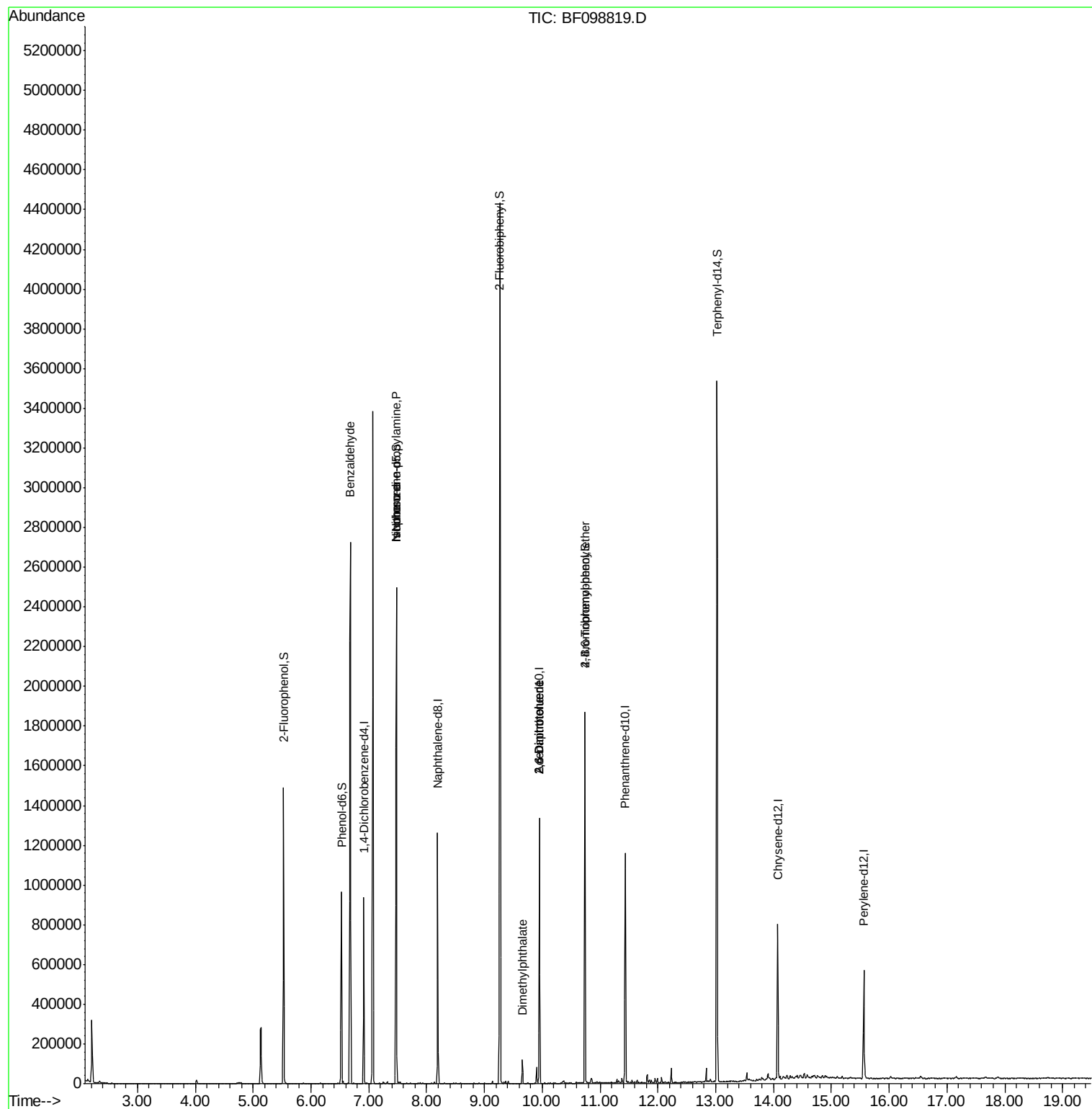
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	128461	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	537884	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	242443	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	395124	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	241764	20.00	ng	-0.01
86) Perylene-d12	15.56	264	223049	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	411253	50.96	ng	-0.01
7) Phenol-d6	6.53	99	299573	30.09	ng	-0.02
23) Nitrobenzene-d5	7.47	82	929315	110.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	197896	99.75	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1609581	110.83	ng	0.00
78) Terphenyl-d14	13.02	244	1129080	106.21	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	15171	2.627	ng	# 82
19) n-Nitroso-di-n-propylamine	7.47	70	123249	19.392	ng	# 77
25) Isophorone	7.47	82	927240	53.471	ng	# 64
49) Dimethylphthalate	9.66	163	41302	2.257	ng	# 99
50) 2,6-Dinitrotoluene	9.95	165	30847	7.743	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	30847	5.966	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	13562	3.507	ng	# 1

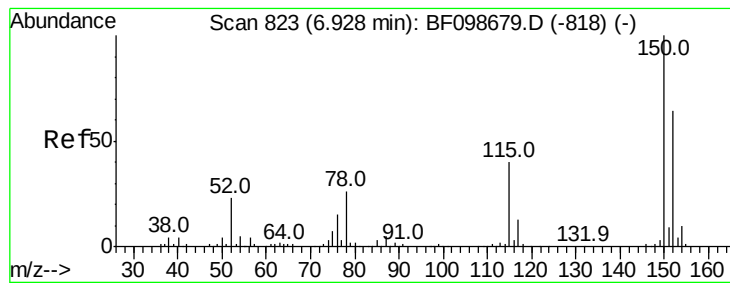
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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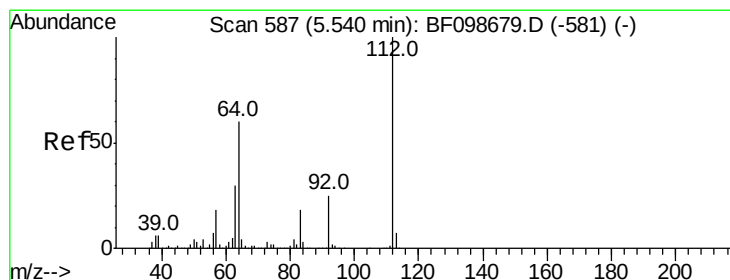
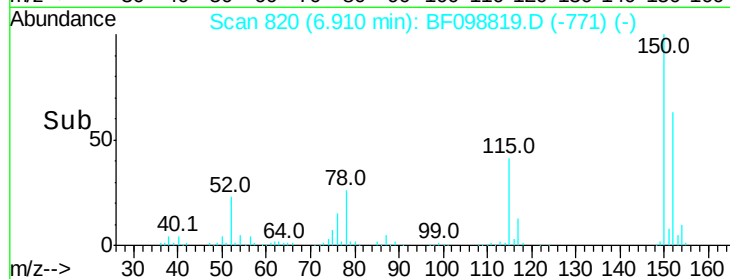
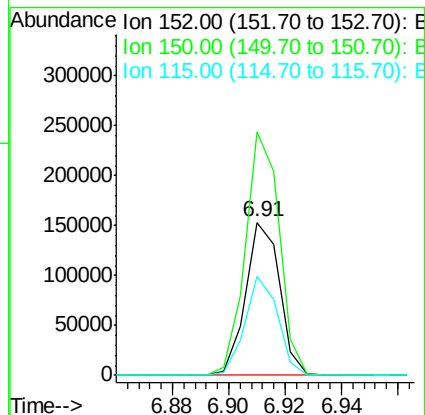
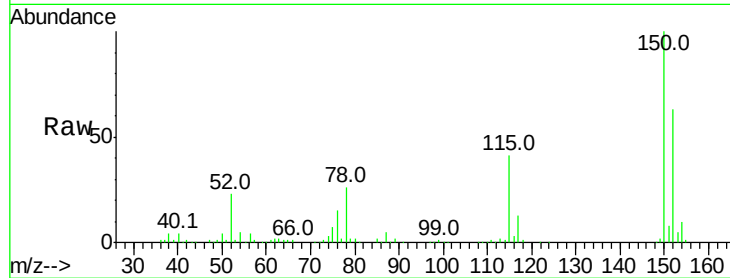


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Instrument :
 BNA_F
 ClientSampleId :

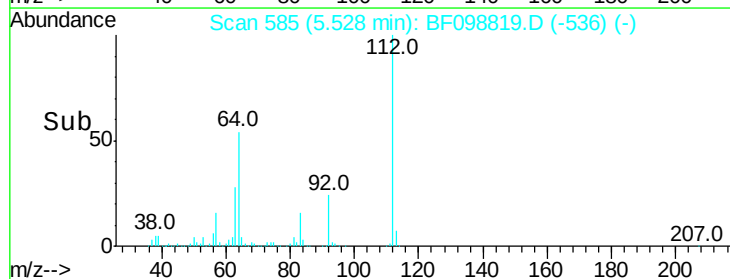
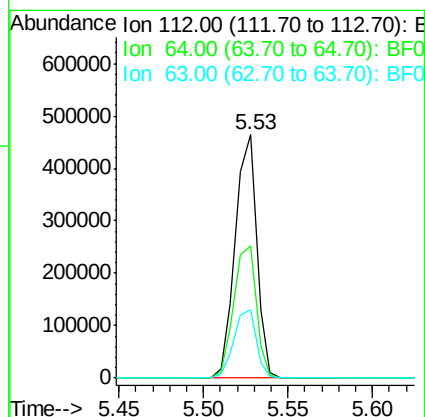
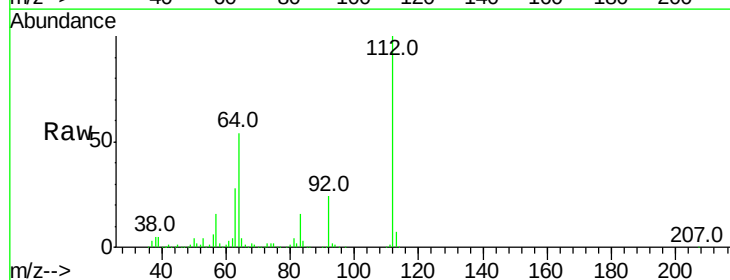
Tot Ion:152 Resp: 128461
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.6 186.8
 115 65.1 50.1 75.1

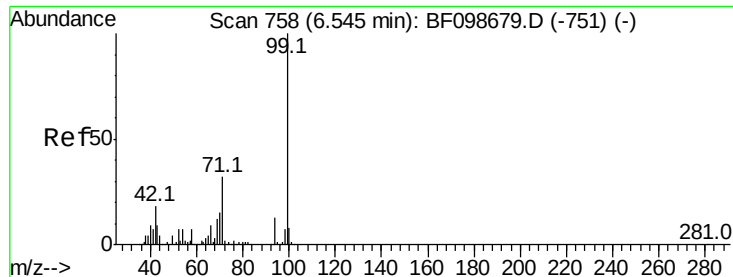


#5

2-Fluorophenol
 Concen: 50.963 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Tgt Ion:112 Resp: 411253
 Ion Ratio Lower Upper
 112 100
 64 54.3 47.9 71.9
 63 27.9 23.7 35.5





#7

Phenol-d6

Concen: 30.093 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

Instrument :

BNA_F

ClientSampleId :

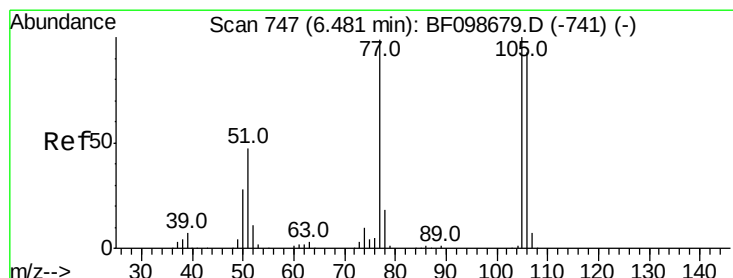
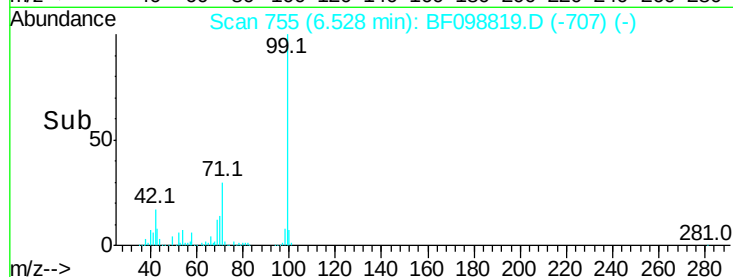
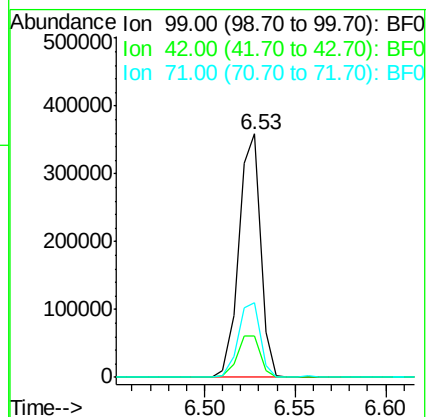
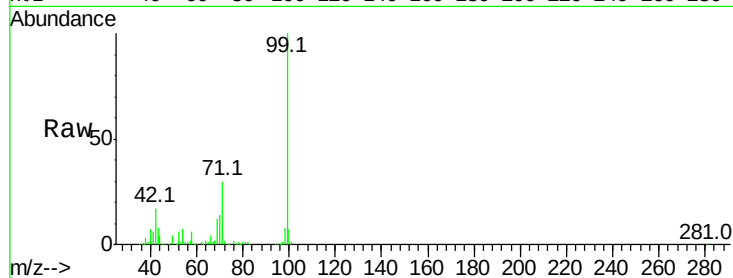
Tot Ion: 99 Resp: 299573

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

71 30.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.627 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

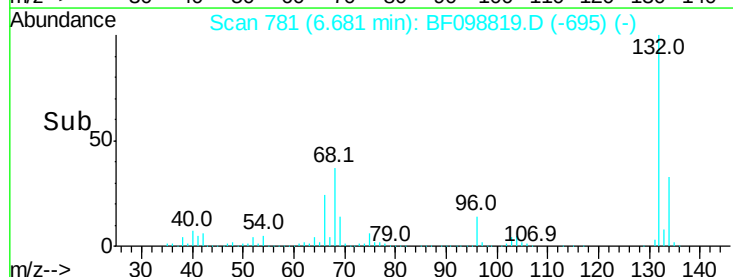
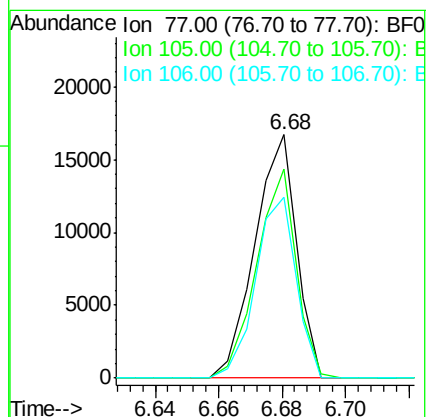
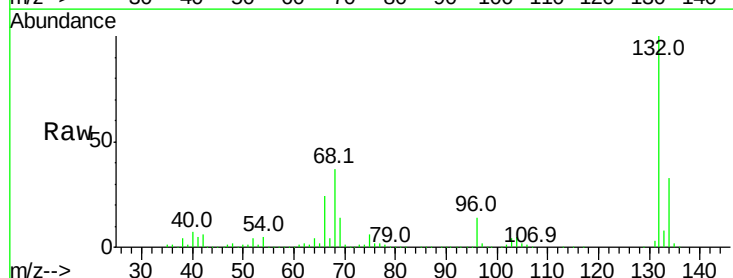
Tgt Ion: 77 Resp: 15171

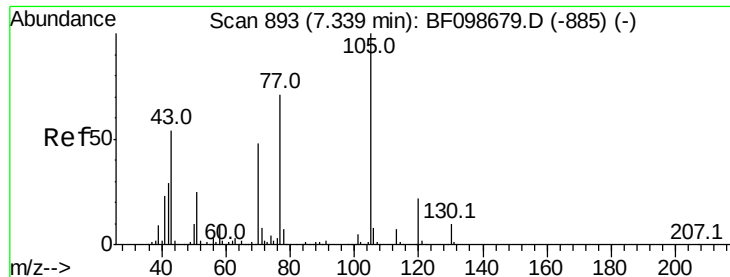
Ion Ratio Lower Upper

77 100

105 85.9 81.1 121.1

106 74.0 74.5 114.5#

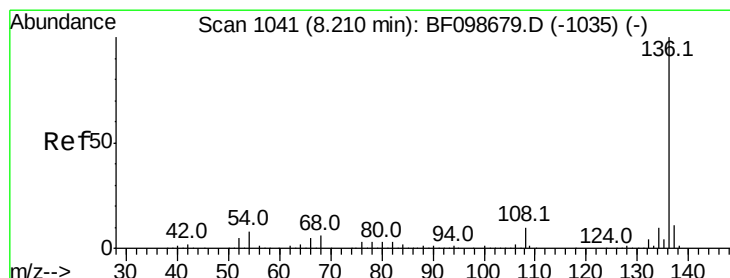
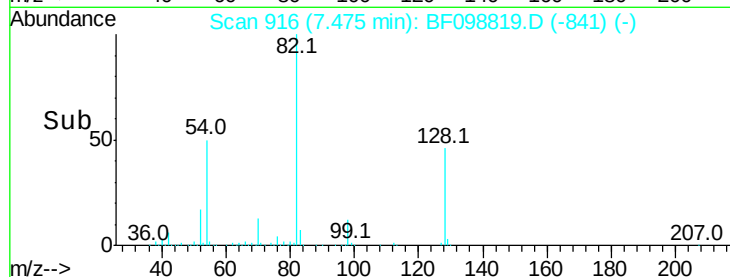
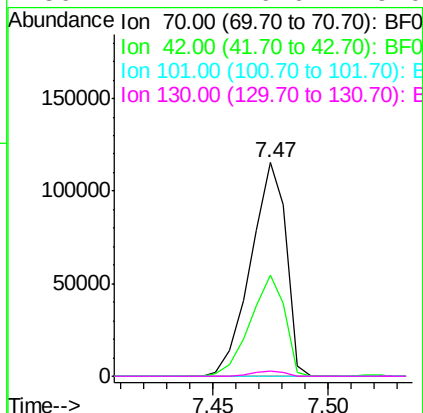
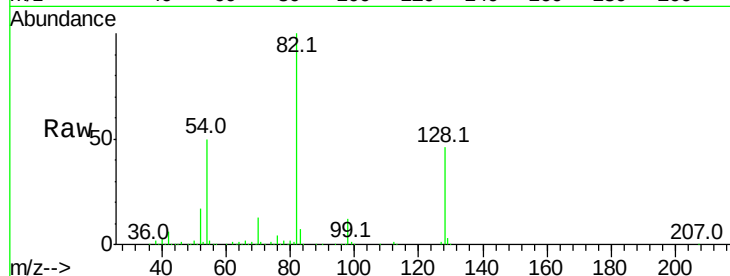




#19
n-Nitroso-di-n-propylamine
Concen: 19.392 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF098819.D
Acq: 26 Sep 2017 9:00

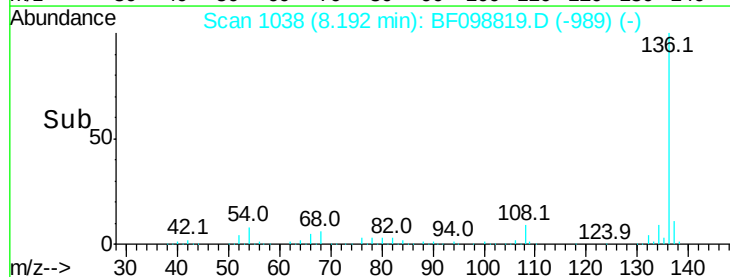
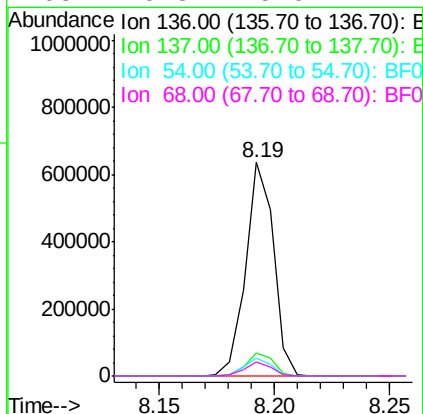
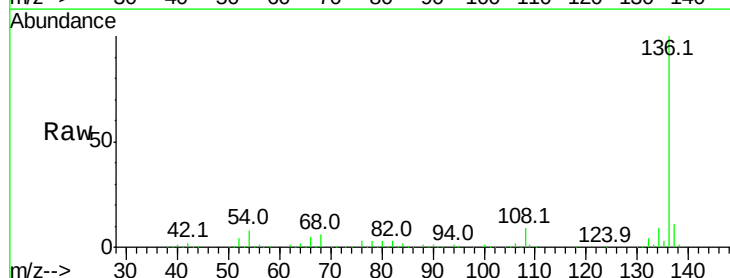
Instrument :
BNA_F
ClientSampleId :

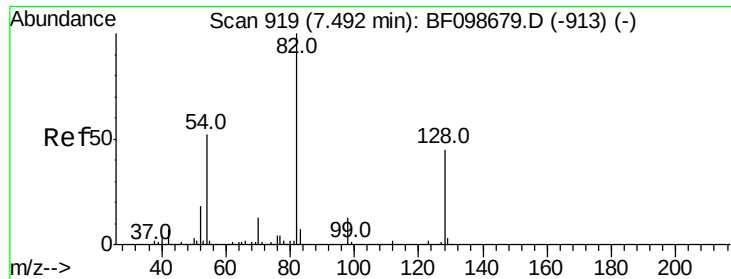
Tot Ion: 70 Resp: 123249
Ion Ratio Lower Upper
70 100
42 47.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098819.D
Acq: 26 Sep 2017 9:00

Tgt Ion: 136 Resp: 537884
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.3 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 110.799 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

Instrument :

BNA_F

ClientSampled :

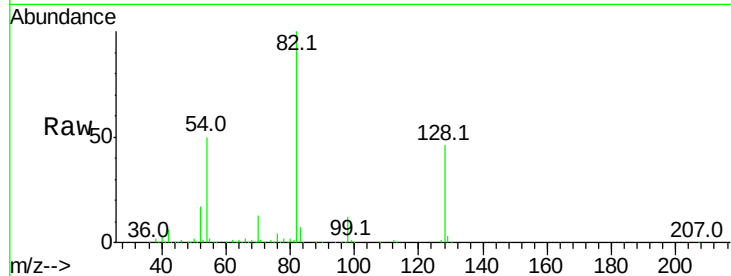
Tot Ion: 82 Resp: 929315

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

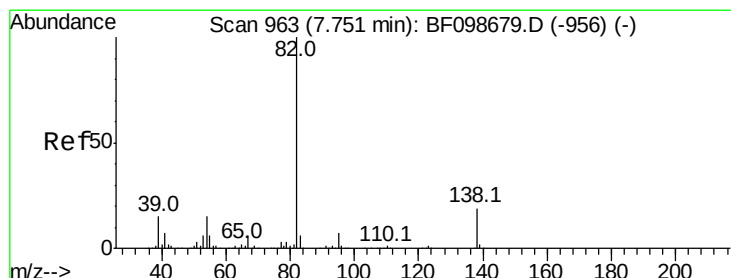
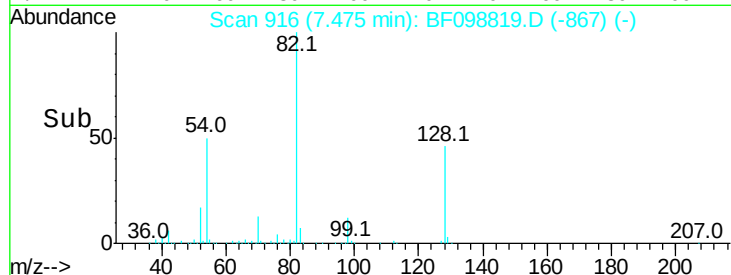
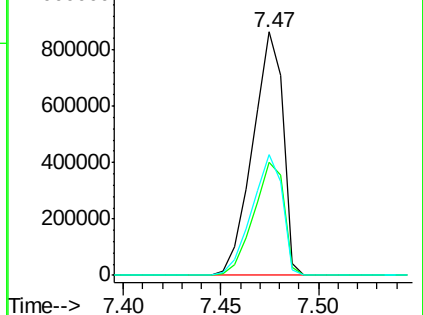
54 49.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 53.471 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

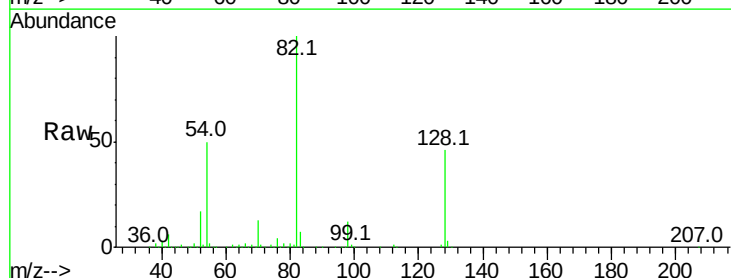
Tgt Ion: 82 Resp: 927240

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

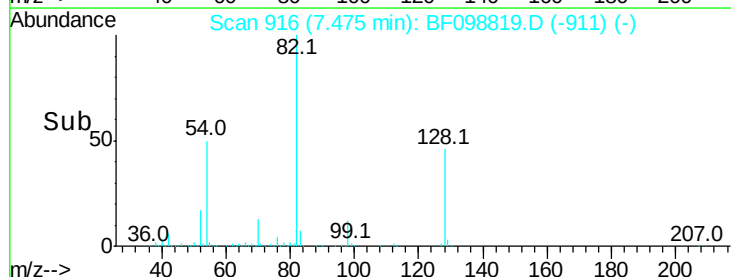
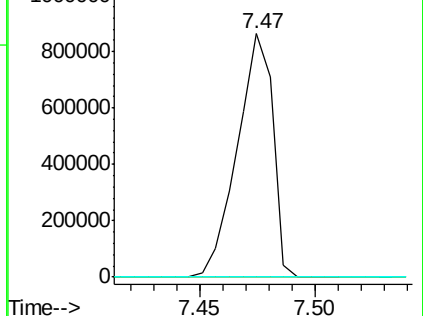
138 0.0 14.9 22.3#

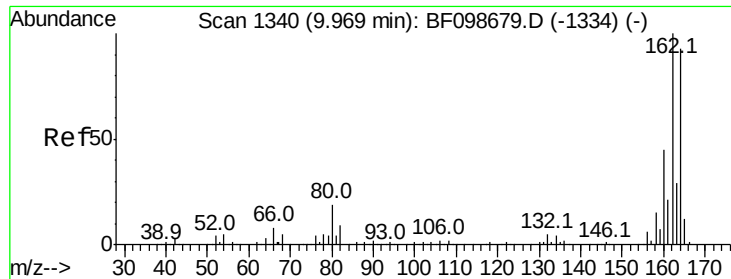


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

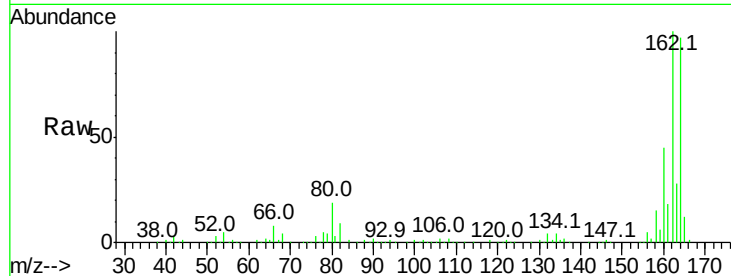




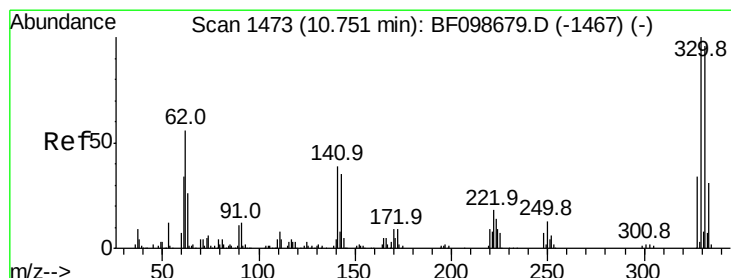
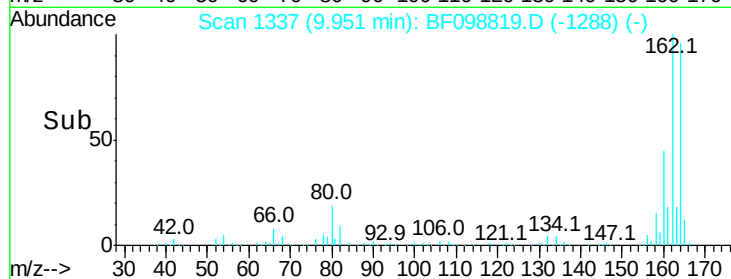
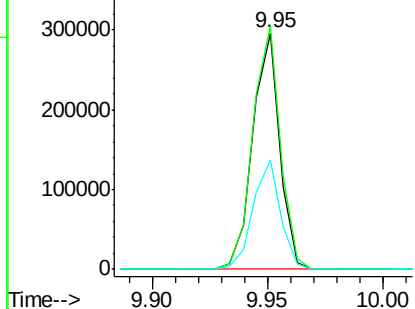
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 242443
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 46.0 38.3 57.5

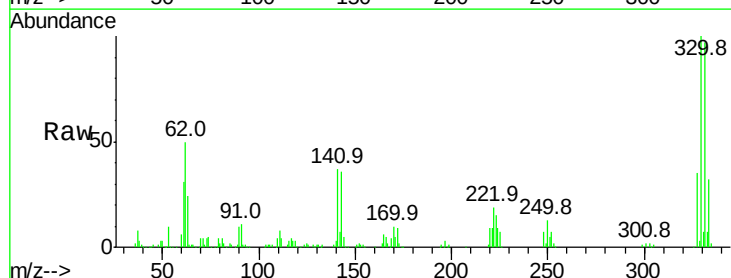


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

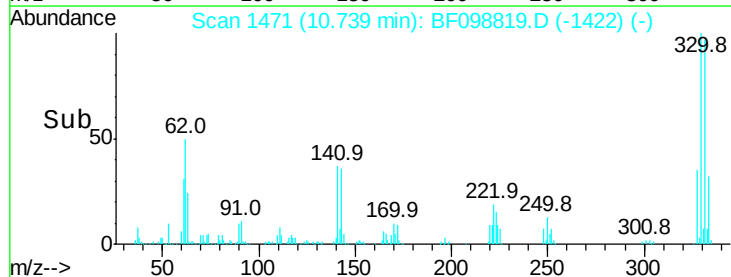
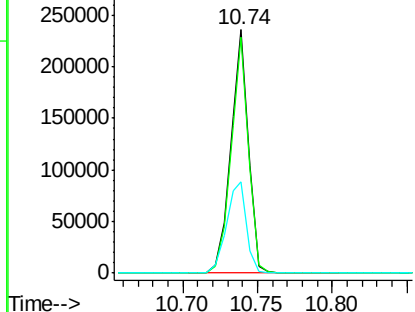


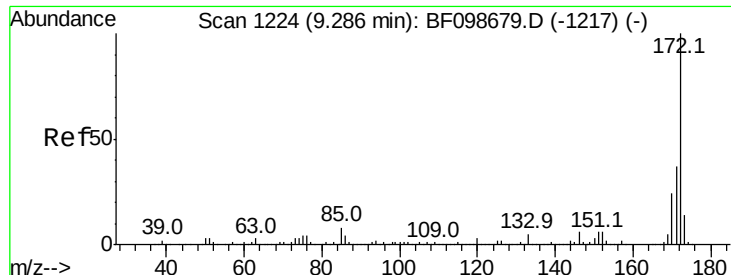
#41
 2,4,6-Tribromophenol
 Concen: 99.754 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Tgt Ion:330 Resp: 197896
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 42.4 29.9 44.9



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

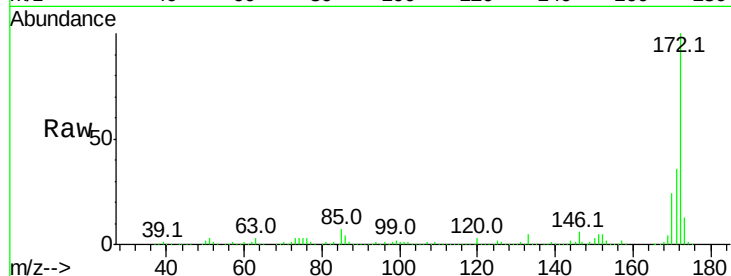




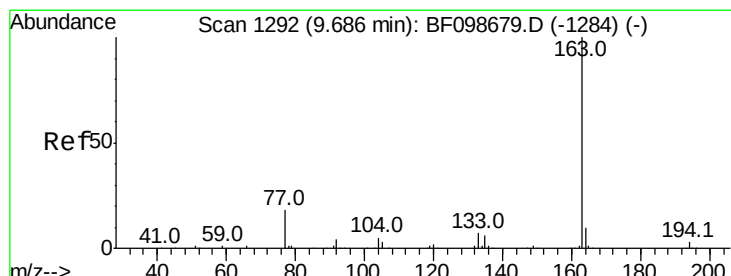
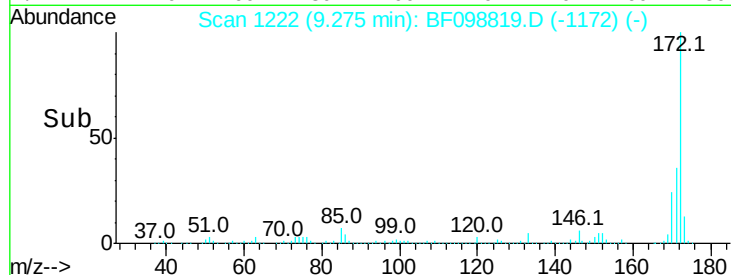
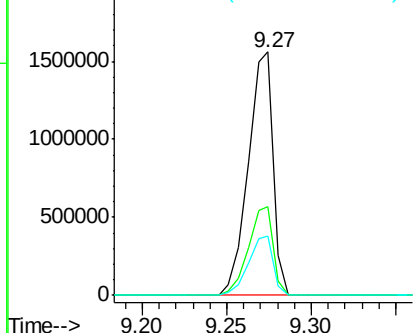
#44
2-Fluorobiphenyl
Concen: 110.833 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098819.D
Acq: 26 Sep 2017 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1609581
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.5 19.6 29.4

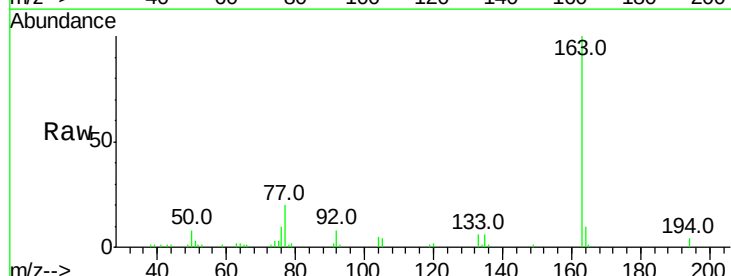


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

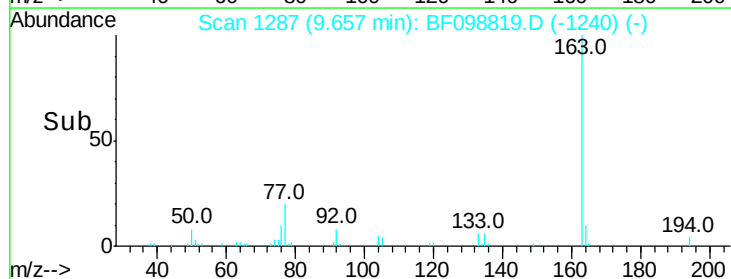
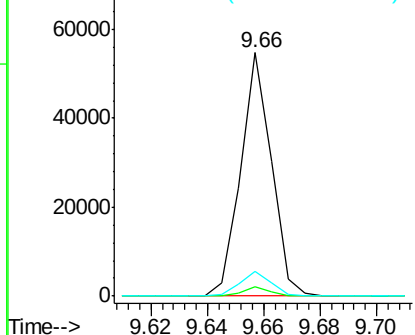


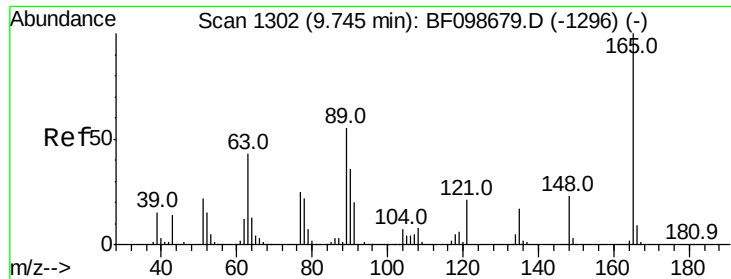
#49
Dimethylphthalate
Concen: 2.257 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098819.D
Acq: 26 Sep 2017 9:00

Tgt Ion:163 Resp: 41302
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.1 8.2 12.2



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

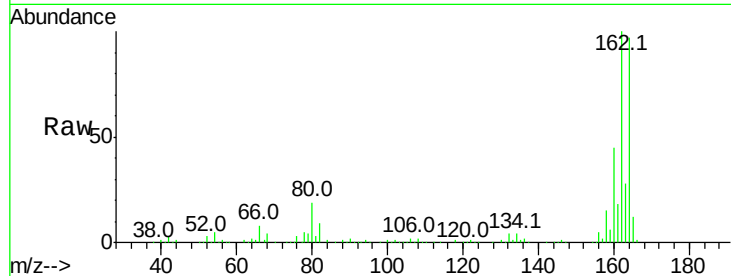




#50
 2,6-Dinitrotoluene
 Concen: 7.743 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Instrument :
 BNA_F
 ClientSampled :

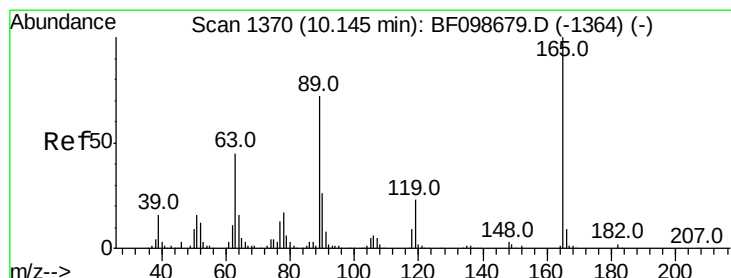
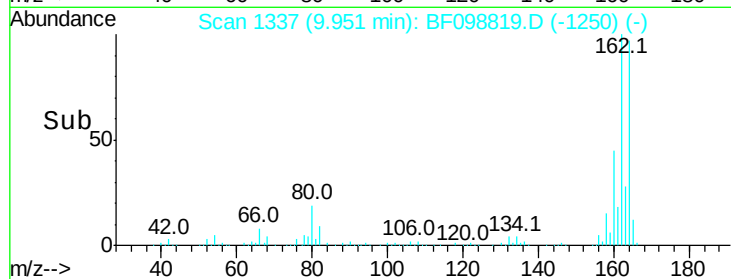
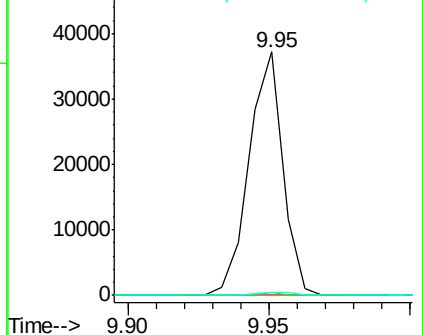
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



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: 5.966 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

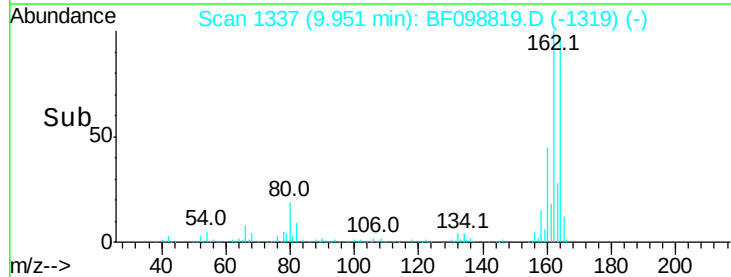
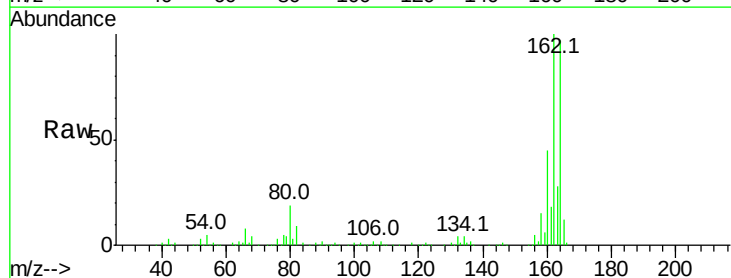
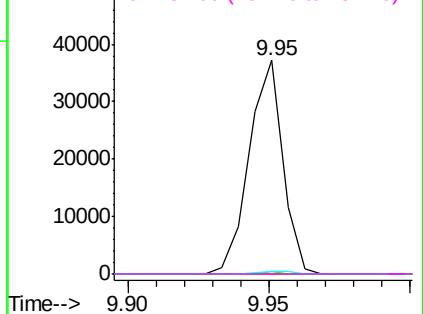
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

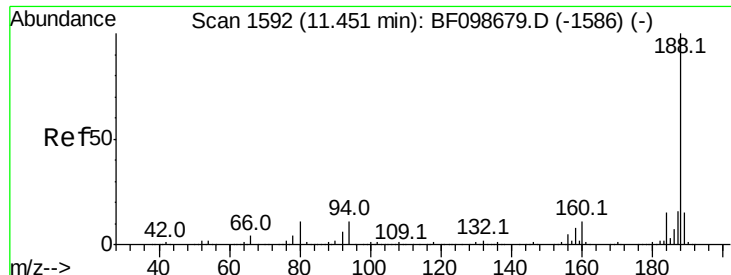
Abundance Ion 165.00 (164.70 to 165.70): E

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

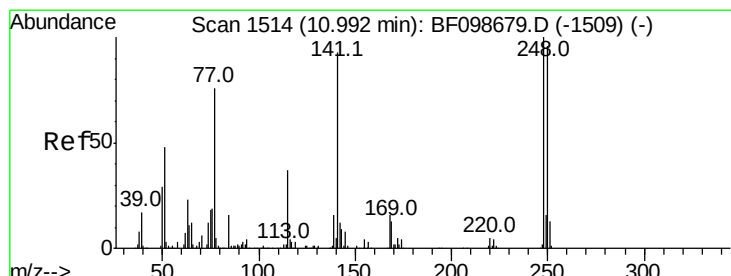
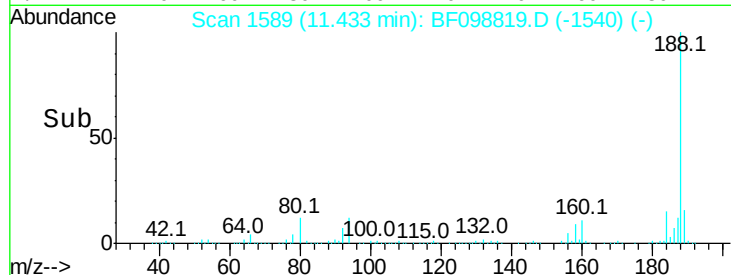
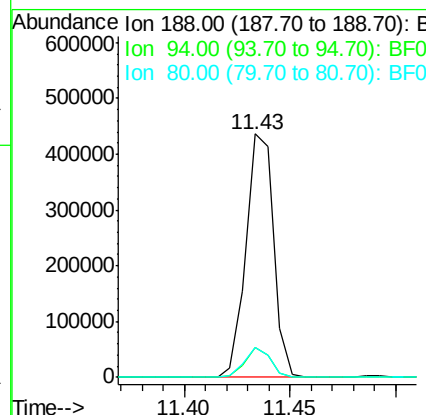
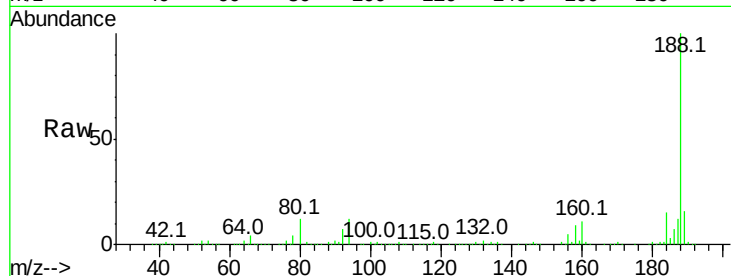




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

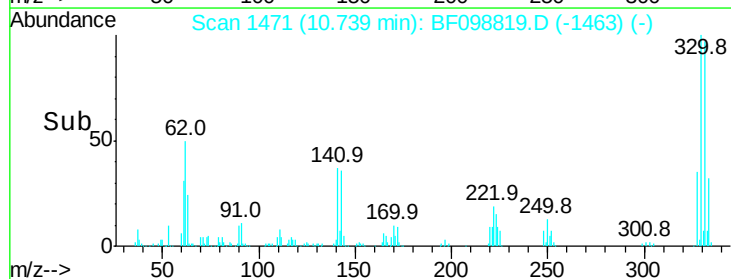
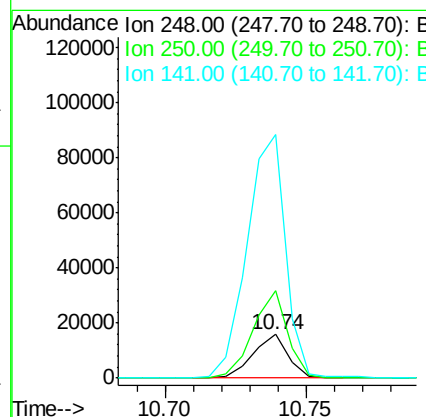
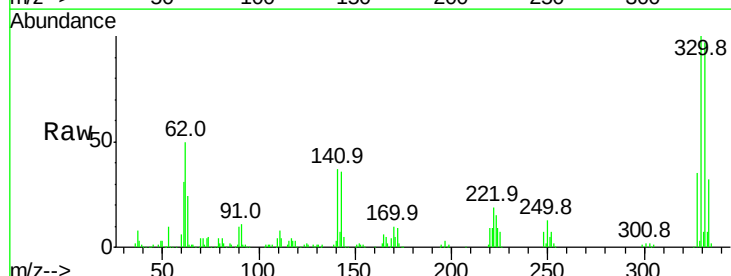
Instrument :
 BNA_F
 ClientSampled :

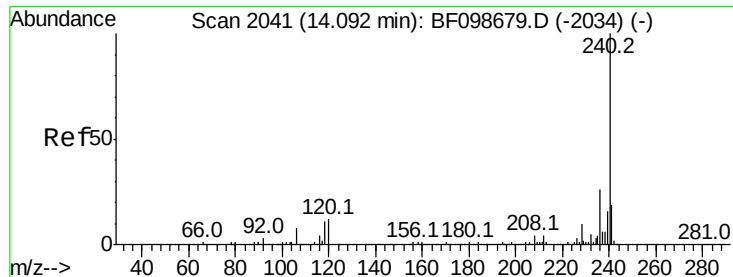
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.2	8.5	12.7
80	12.4	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.507 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.3	76.9	115.3#
141	557.9	74.4	111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

Instrument :

BNA_F

ClientSampleId :

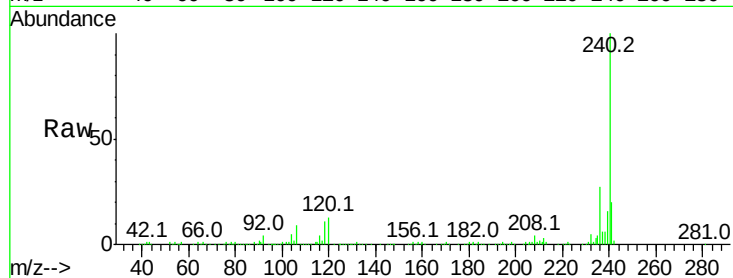
Tot Ion:240 Resp: 241764

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

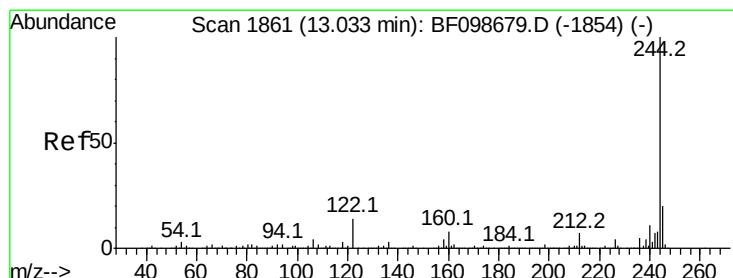
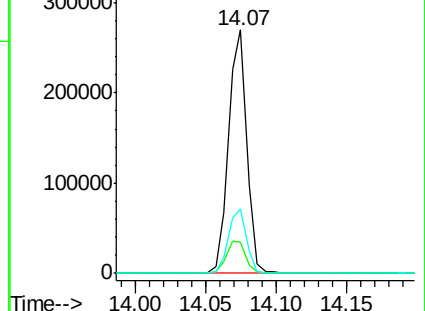
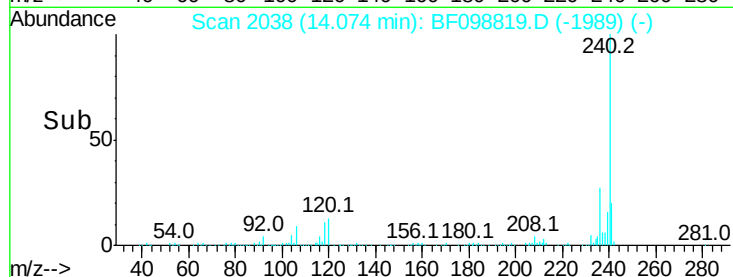
236 26.7 20.7 31.1



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: 106.209 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098819.D

Acq: 26 Sep 2017 9:00

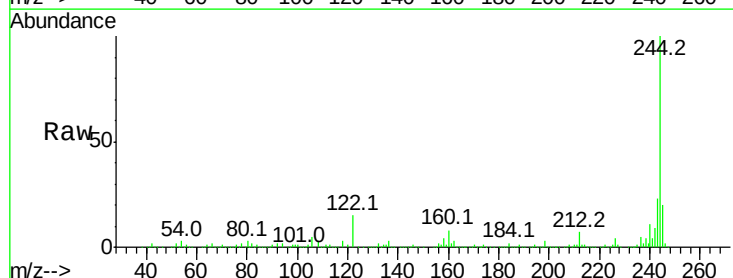
Tgt Ion:244 Resp: 1129080

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

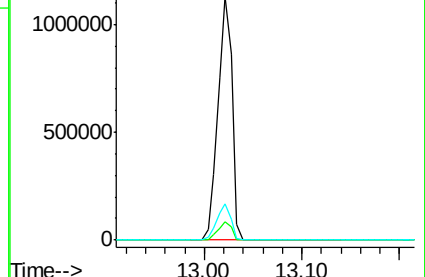
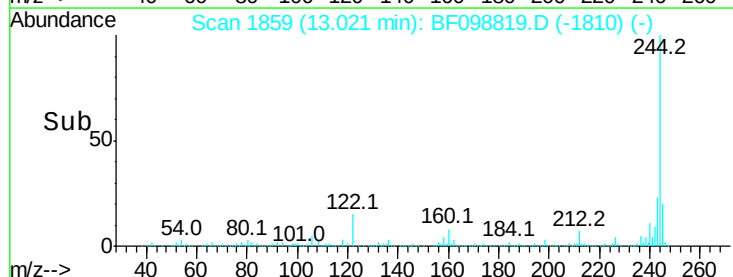
122 14.9 11.0 16.4

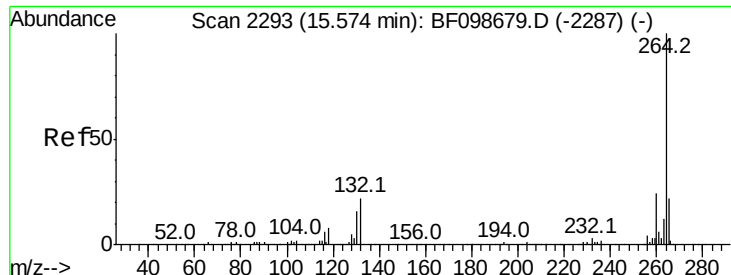


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

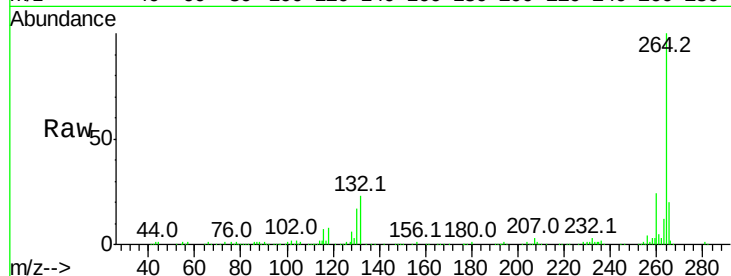




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF098819.D
 Acq: 26 Sep 2017 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	20.2	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

