

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099252.D
 Acq On : 9 Oct 2017 1:09
 Operator : SJ/JU
 Sample : I5646-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 04:02:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

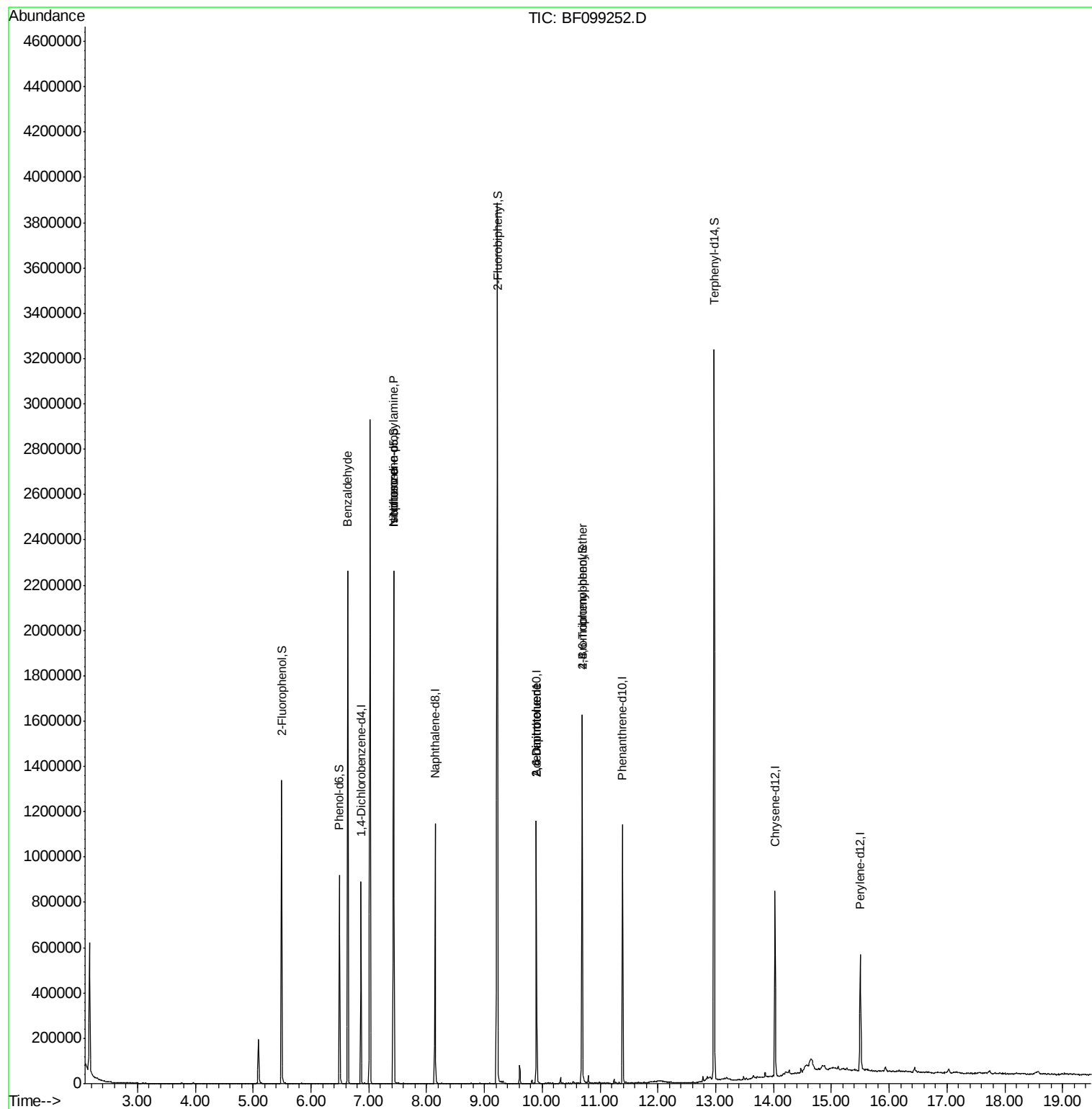
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122699	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	517411	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	232690	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	396001	20.00	ng	0.00
75) Chrysene-d12	14.03	240	247553	20.00	ng	0.00
86) Perylene-d12	15.50	264	221321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	397709	51.60	ng	0.01
7) Phenol-d6	6.49	99	300017	31.55	ng	0.00
23) Nitrobenzene-d5	7.43	82	832125	103.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	190723	100.17	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1446549	103.78	ng	0.00
78) Terphenyl-d14	12.97	244	1195323	109.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	12827	2.33	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	106193	17.49	ng	# 73
25) Isophorone	7.43	82	832113	49.88	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	30195	7.90	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	30195	6.09	ng	# 22
66) 4-Bromophenyl-phenylether	10.69	248	12343	3.18	ng	# 1

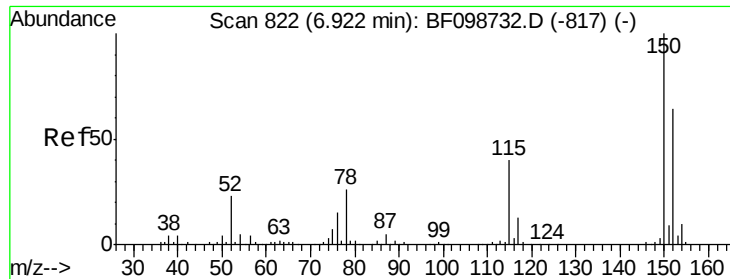
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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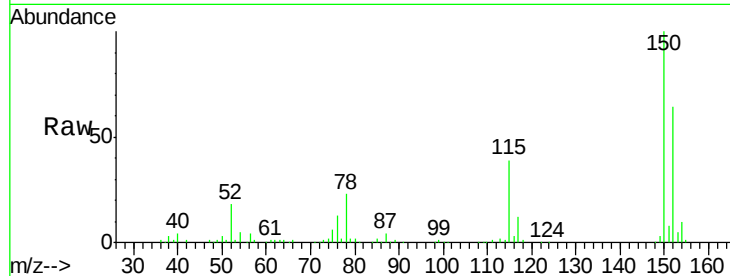


#1

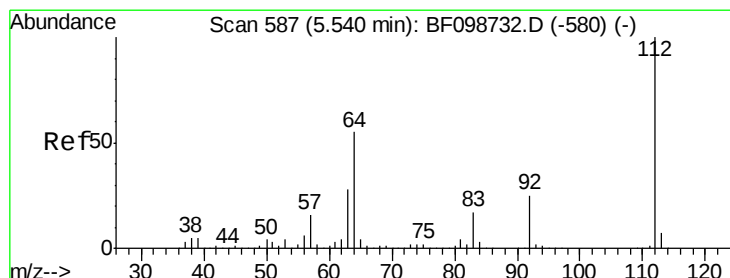
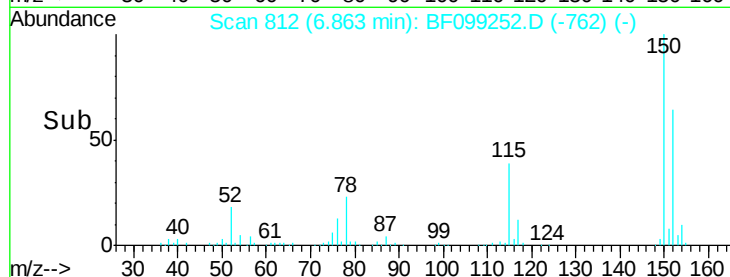
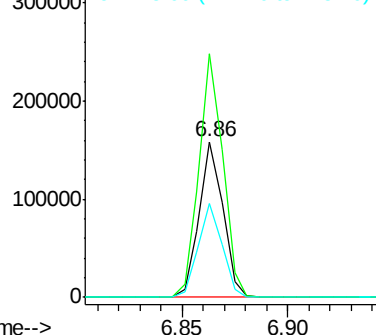
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122699
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 60.7 50.1 75.1



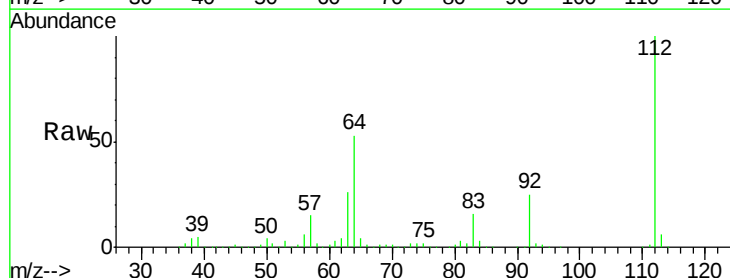
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



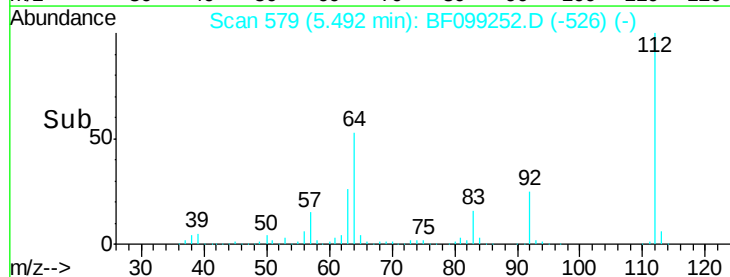
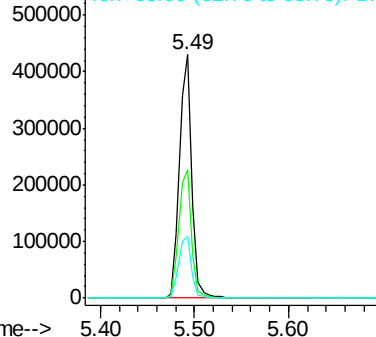
#5

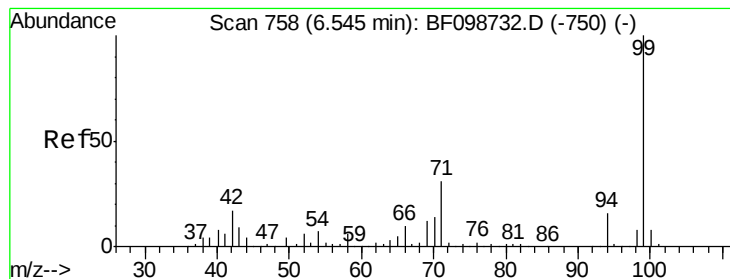
2-Fluorophenol
Concen: 51.60 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Tgt Ion:112 Resp: 397709
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 25.6 23.7 35.5



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: 31.55 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

Instrument :

BNA_F

ClientSampled :

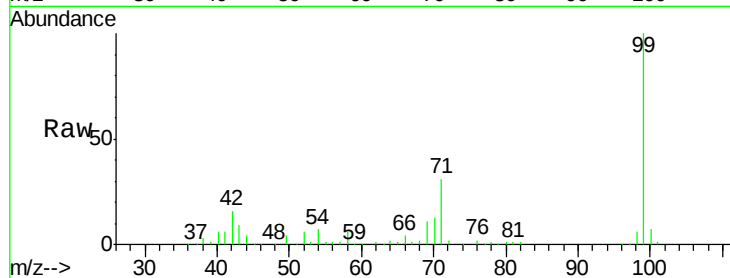
Tot Ion: 99 Resp: 300017

Ion Ratio Lower Upper

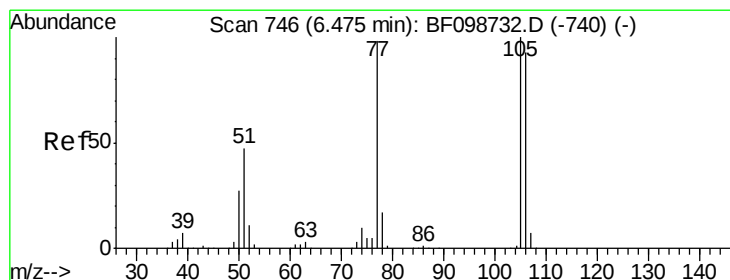
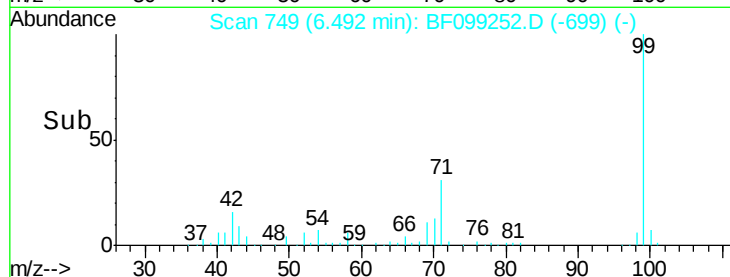
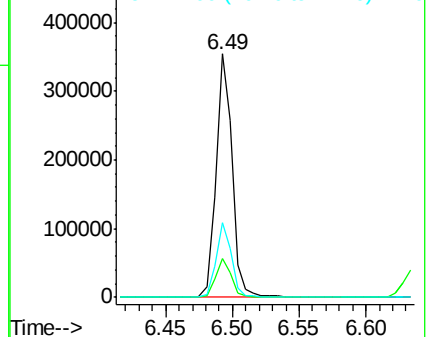
99 100

42 16.0 14.5 21.7

71 30.7 25.4 38.0



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: 2.33 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

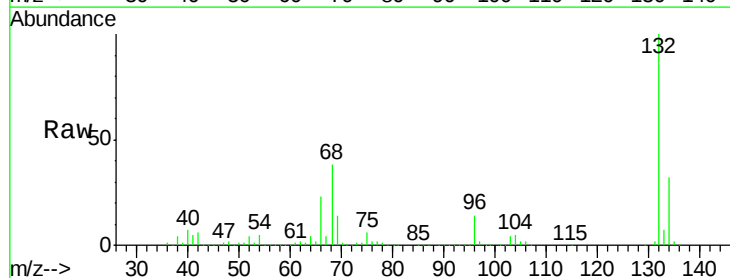
Tgt Ion: 77 Resp: 12827

Ion Ratio Lower Upper

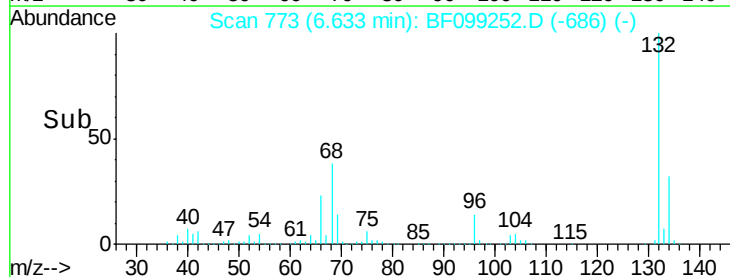
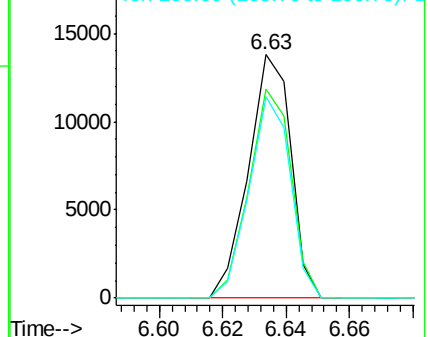
77 100

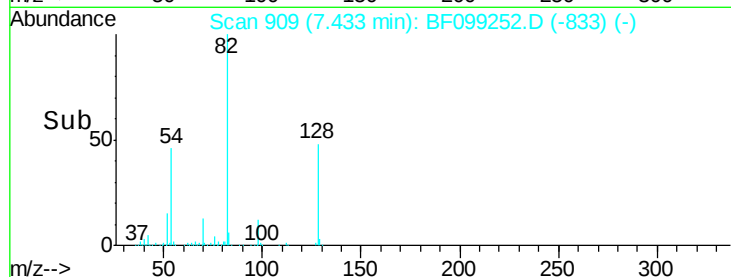
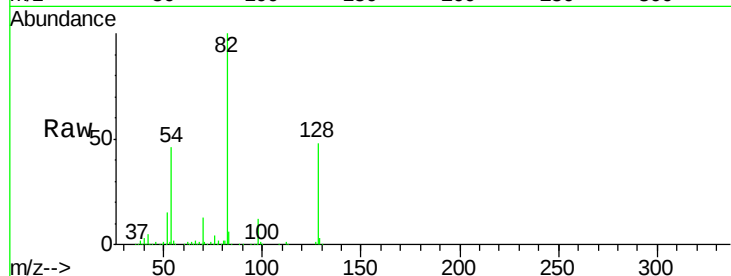
105 85.9 81.1 121.1

106 82.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.49 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 106193

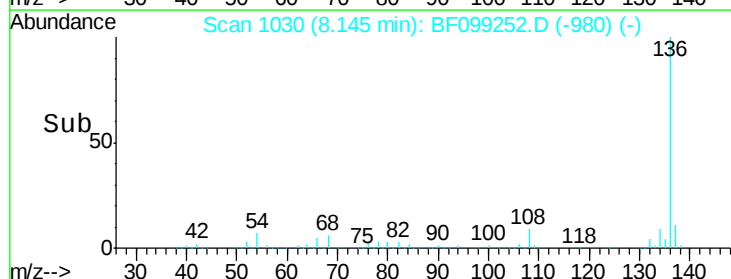
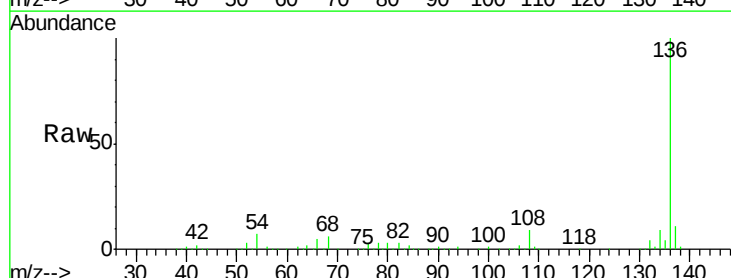
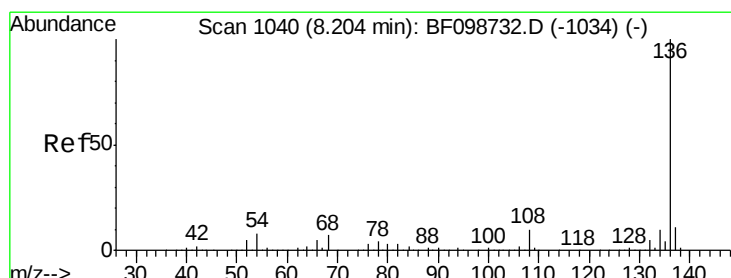
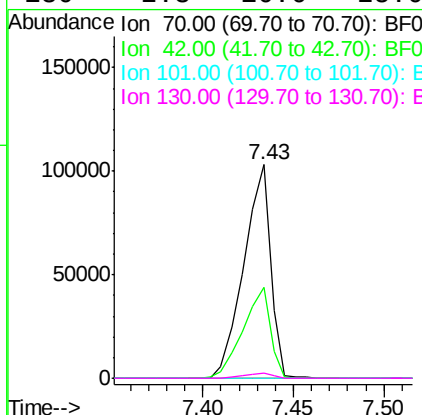
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

Tgt Ion: 136 Resp: 517411

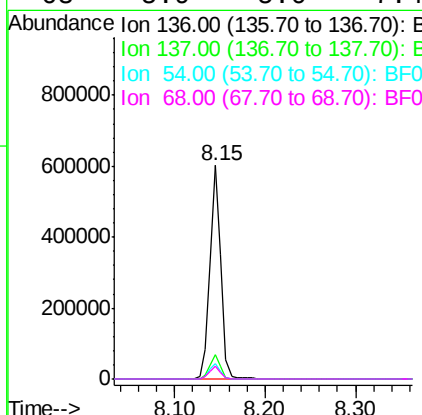
Ion Ratio Lower Upper

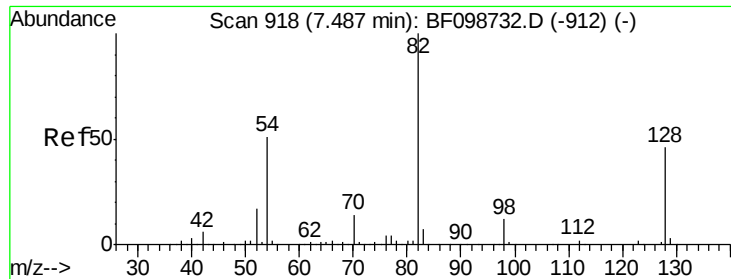
136 100

137 11.4 8.9 13.3

54 7.3 6.6 9.8

68 5.9 5.0 7.4

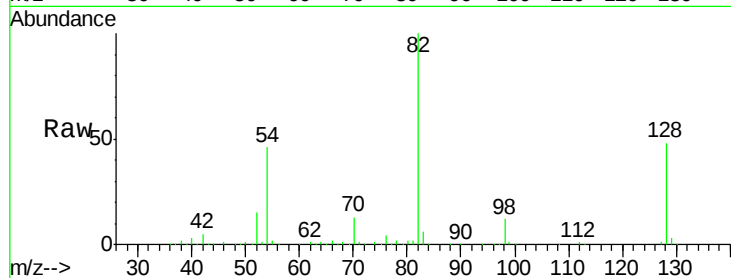




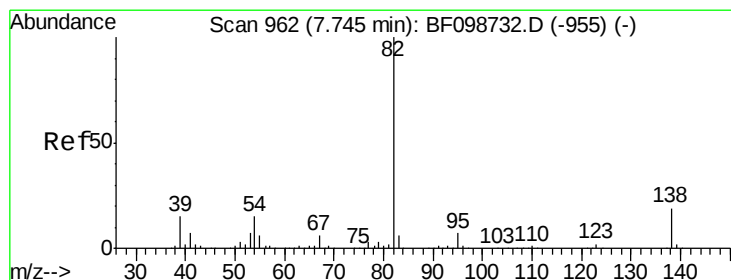
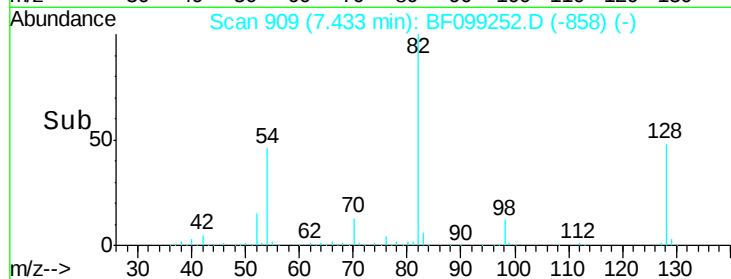
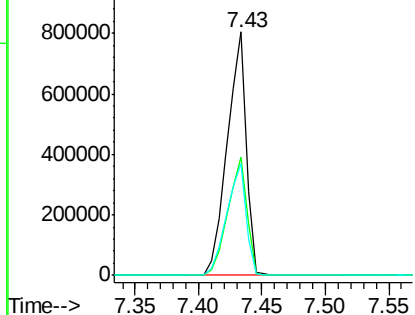
#23
 Nitrobenzene-d5
 Concen: 103.14 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	832125
Ion Ratio	100	Lower	Upper
128	48.3	36.1	54.1
54	46.0	41.4	62.2

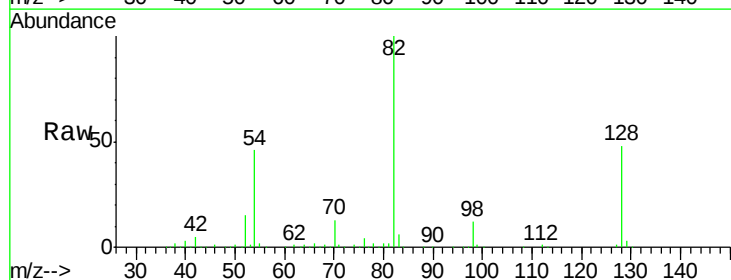


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

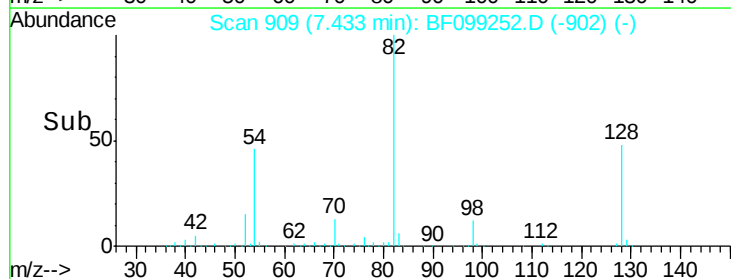
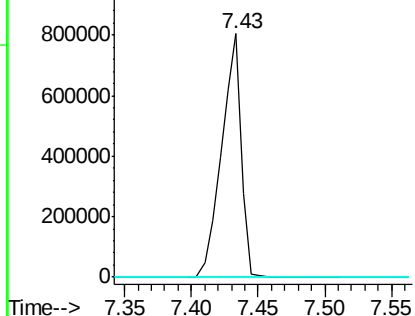


#25
 Isophorone
 Concen: 49.88 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

Tgt Ion	82	Resp	832113
Ion Ratio	100	Lower	Upper
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

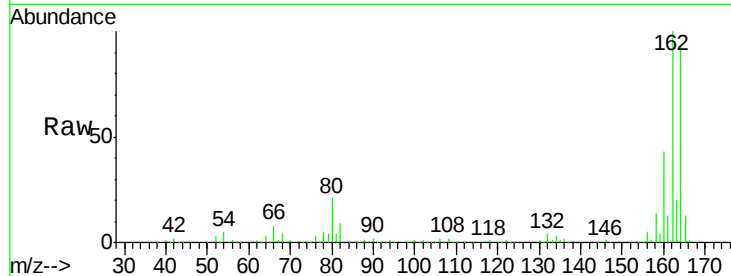




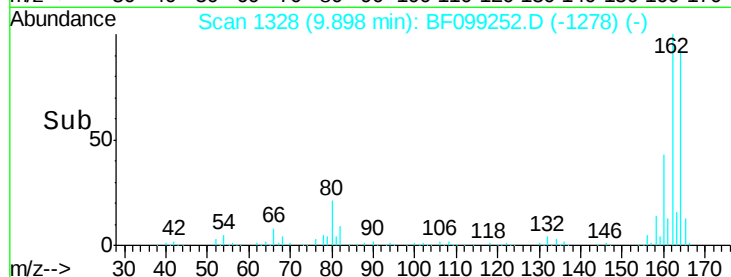
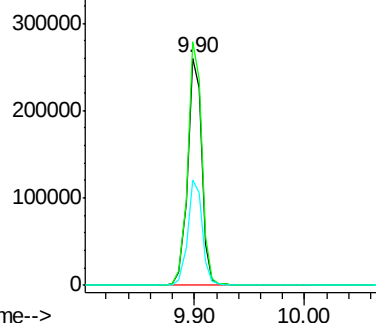
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 232690
Ion Ratio Lower Upper
164 100
162 107.2 86.1 129.1
160 46.5 38.3 57.5

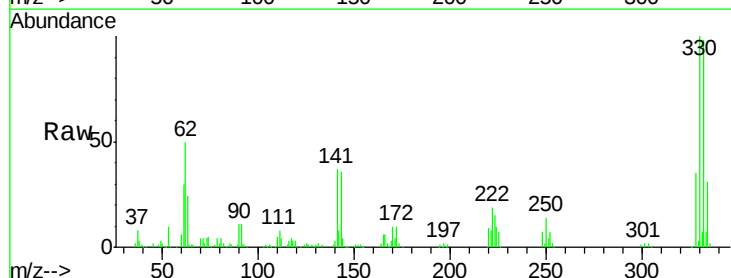


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

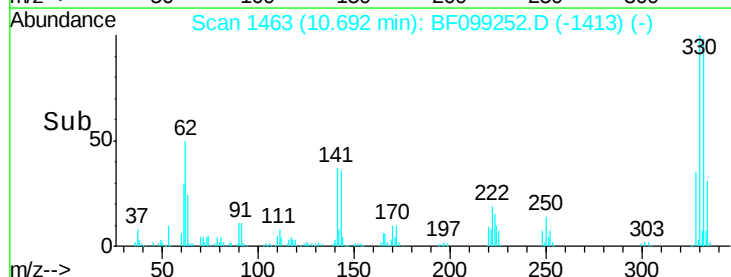
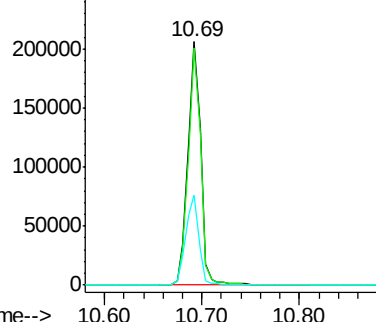


#41
2,4,6-Tribromophenol
Concen: 100.17 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Tgt Ion:330 Resp: 190723
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 37.8 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



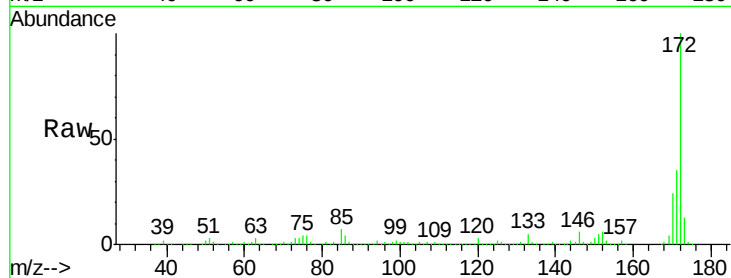


#44
 2-Fluorobiphenyl
 Concen: 103.78 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

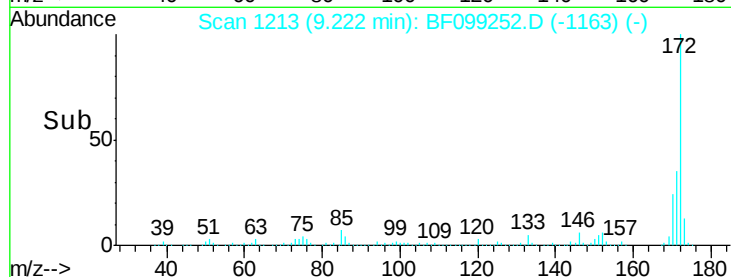
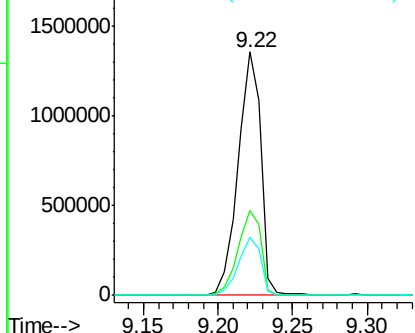
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1446549

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.9	19.6	29.4



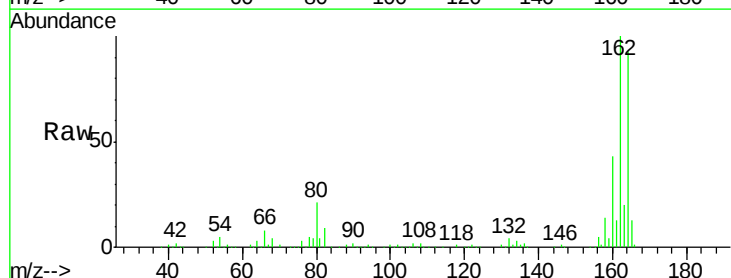
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



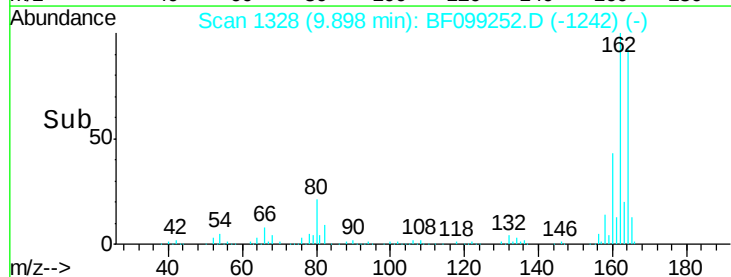
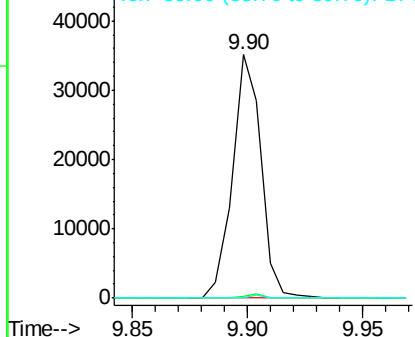
#50
 2,6-Dinitrotoluene
 Concen: 7.90 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

Tgt Ion:165 Resp: 30195

Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	0.0	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

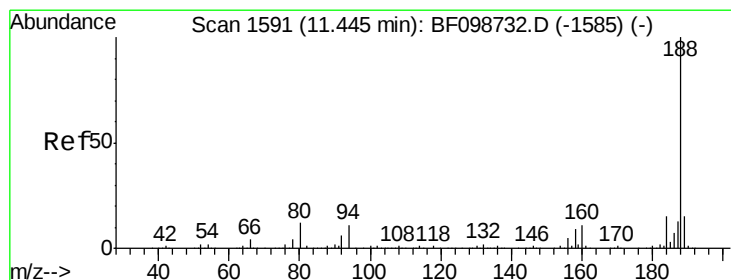
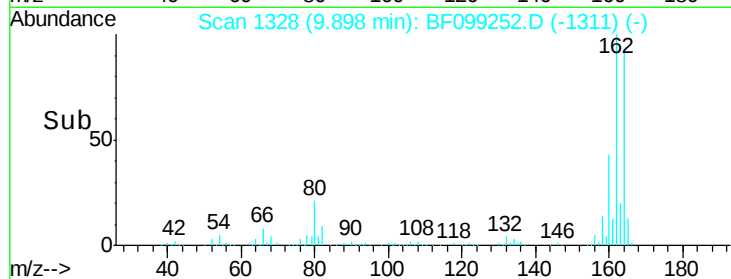
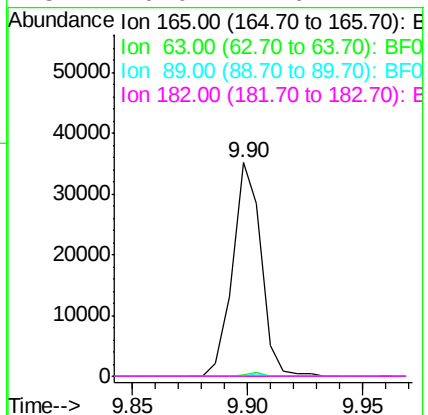
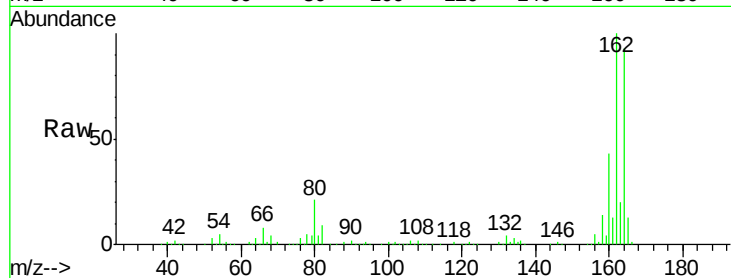




#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

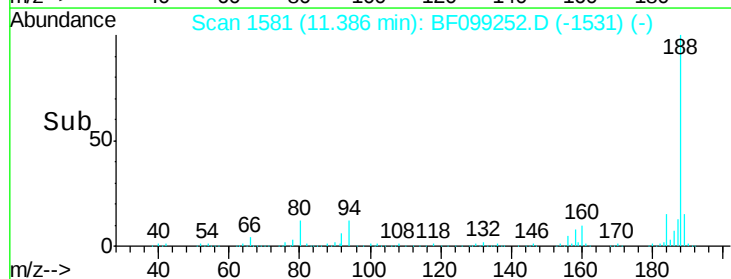
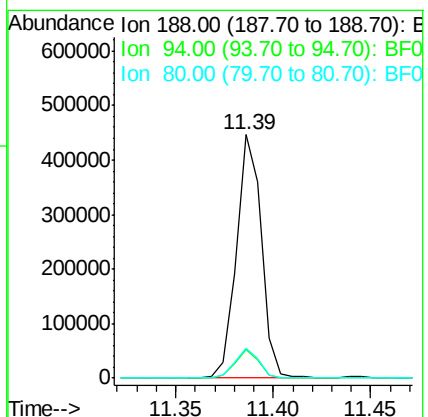
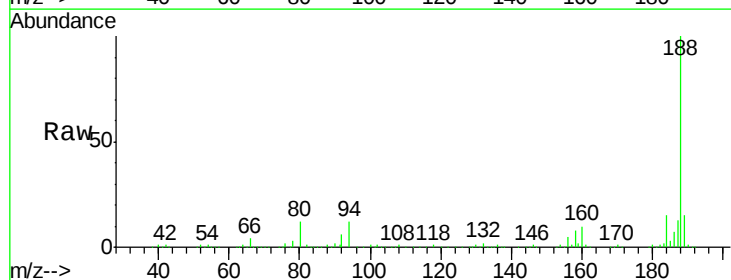
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	30195
Ion Ratio	Lower	Upper
165	100	
63	0.9	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099252.D
 Acq: 9 Oct 2017 1:09

Tgt Ion:188	Resp:	396001
Ion Ratio	Lower	Upper
188	100	
94	11.6	8.5 12.7
80	12.4	9.2 13.8

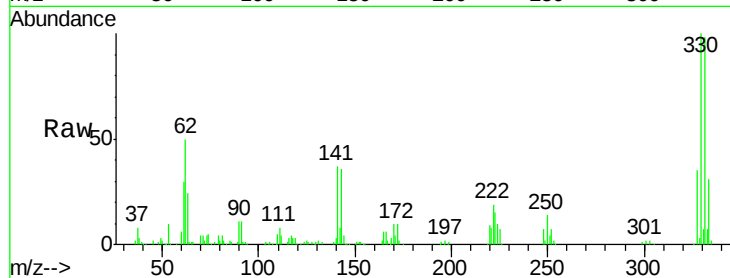




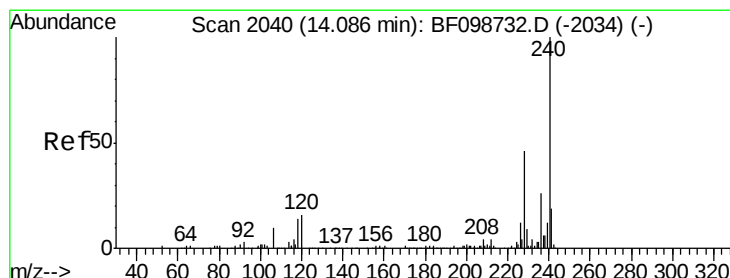
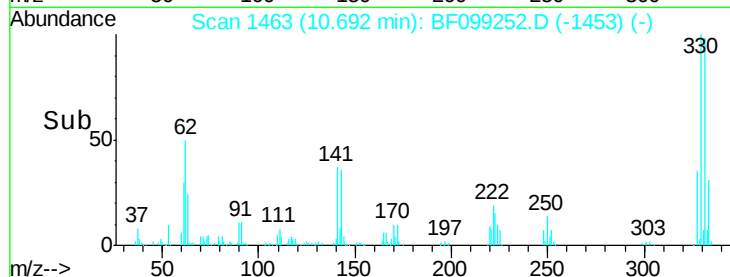
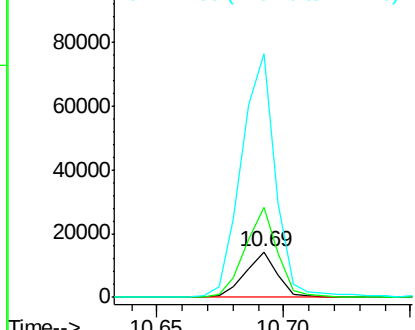
#66
4-Bromophenyl-phenylether
Concen: 3.18 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12343
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 538.0 74.4 111.6#

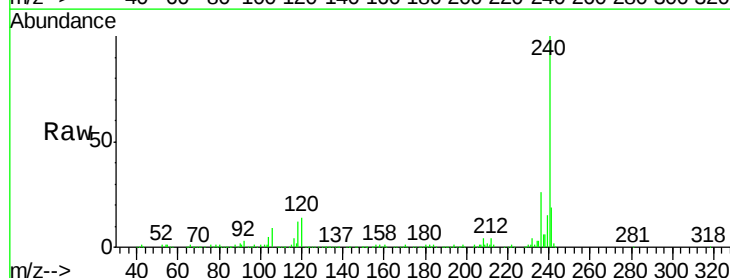


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

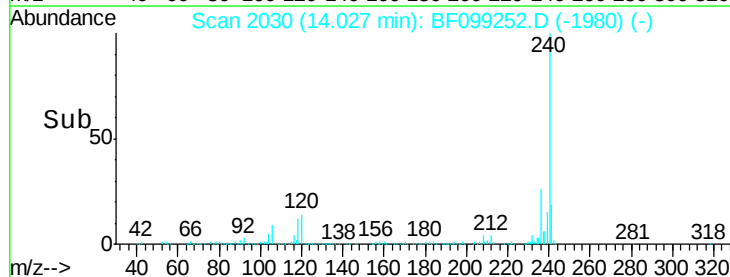
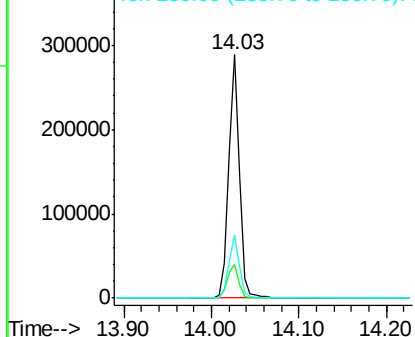


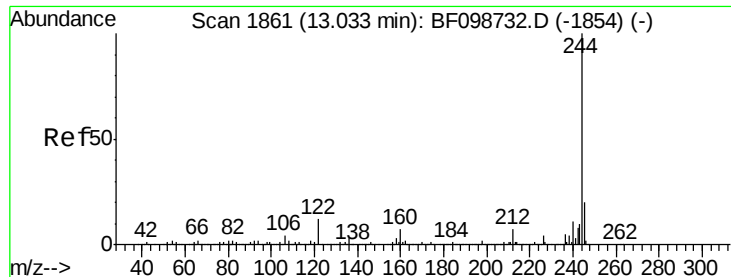
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099252.D
Acq: 9 Oct 2017 1:09

Tgt Ion:240 Resp: 247553
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 25.8 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: 109.81 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

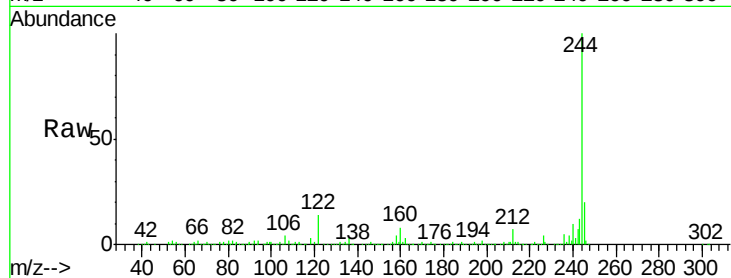
Tot Ion:244 Resp: 1195323

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

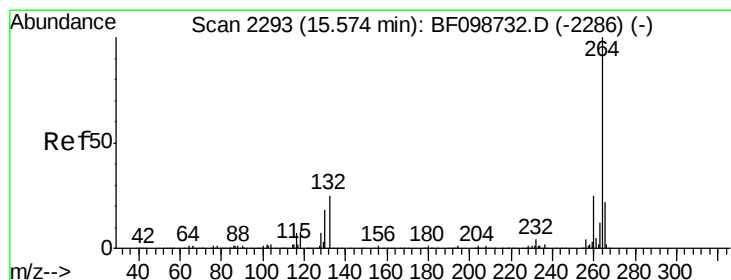
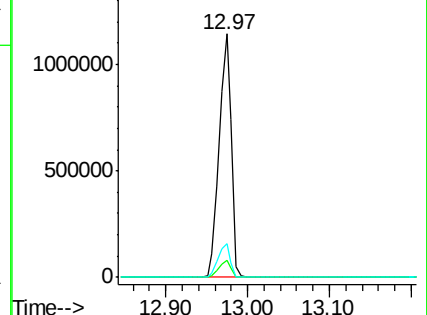
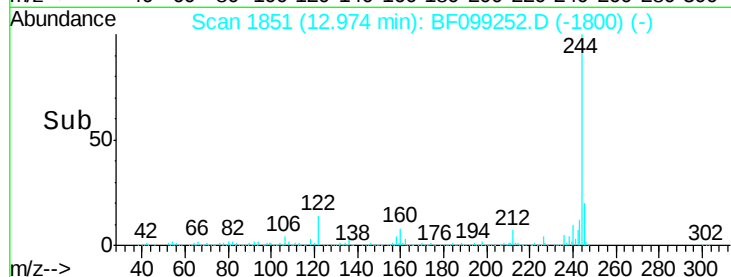
122 13.7 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF099252.D

Acq: 9 Oct 2017 1:09

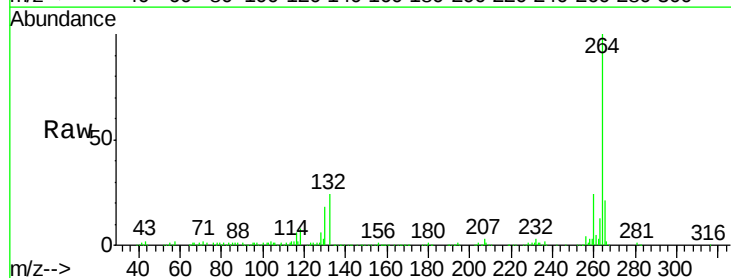
Tgt Ion:264 Resp: 221321

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

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

