

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099104.D
 Acq On : 5 Oct 2017 15:39
 Operator : SJ/JU
 Sample : I5610-25
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 17:16:17 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 09:04:50 2017
 Response via : Initial Calibration

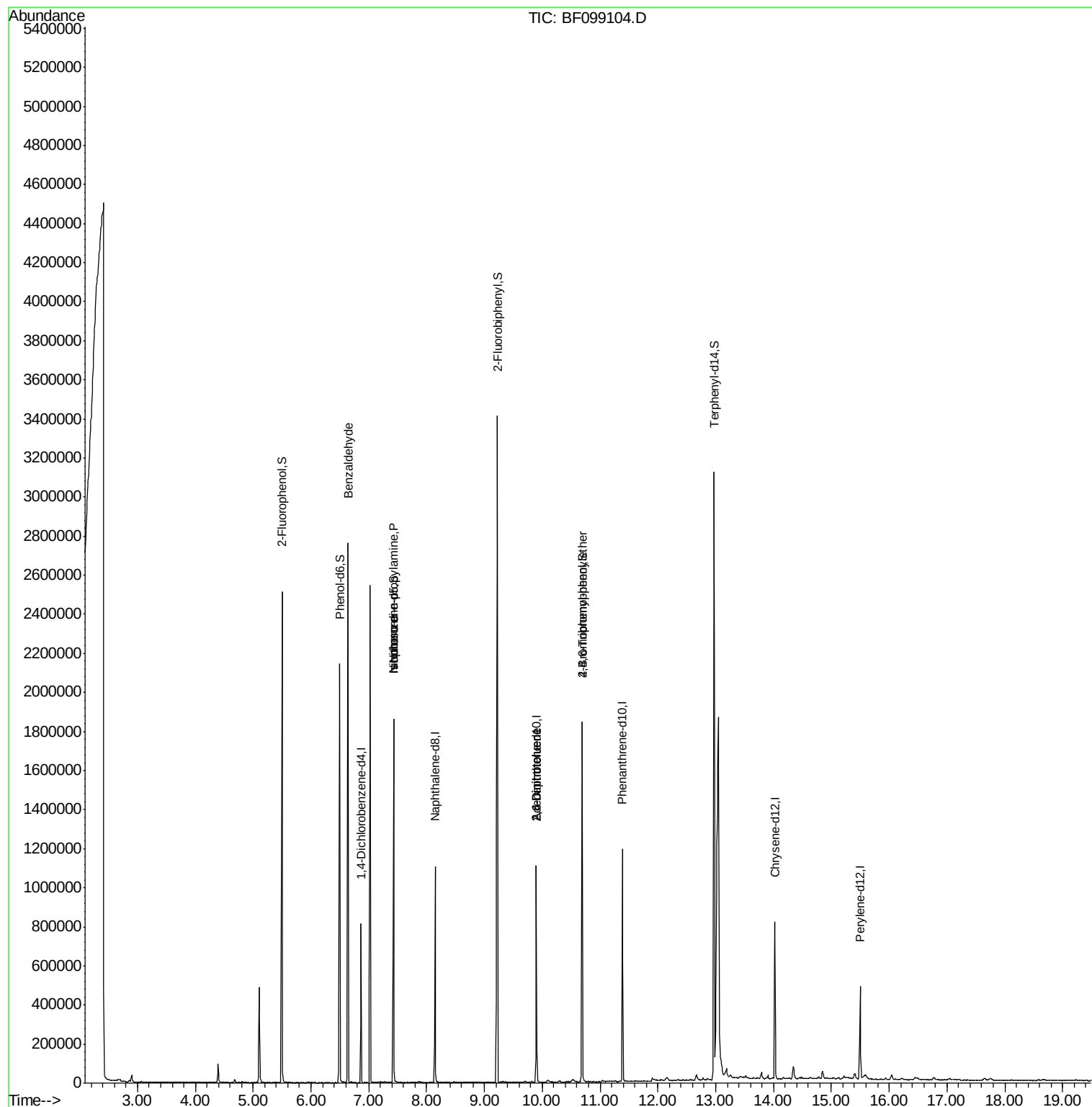
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	112814	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	463354	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	208465	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	373571	20.00	ng	-0.06
75) Chrysene-d12	14.02	240	264436	20.00	ng	-0.06
86) Perylene-d12	15.50	264	200308	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	760682	107.34	ng	-0.04
7) Phenol-d6	6.50	99	816373	93.38	ng	-0.05
23) Nitrobenzene-d5	7.43	82	643150	89.01	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	222198	130.26	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	1137319	91.08	ng	-0.06
78) Terphenyl-d14	12.97	244	1026289	88.26	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.64	77	16942	3.341	ng	87
19) n-Nitroso-di-n-propylamine	7.43	70	82736	14.823	ng	# 75
25) Isophorone	7.43	82	641194	42.923	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	27010	7.885	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	27010	6.076	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	14646	4.005	ng	# 1

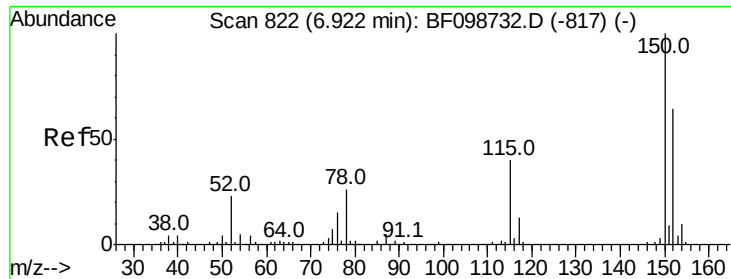
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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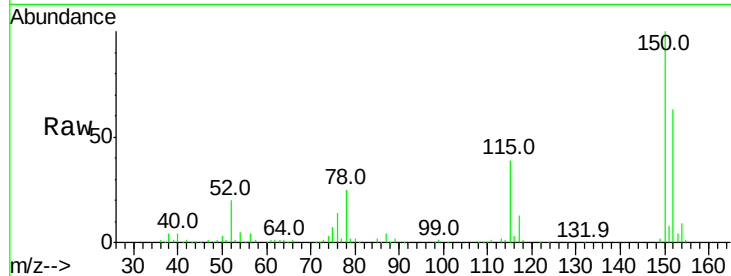


#1

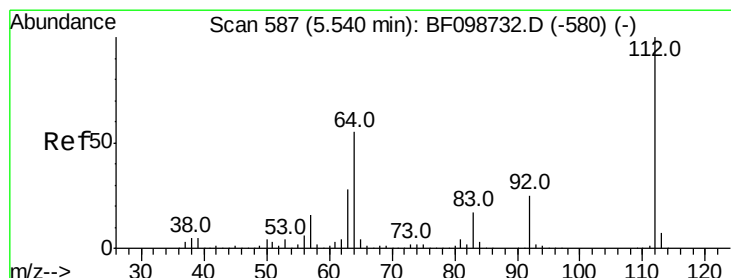
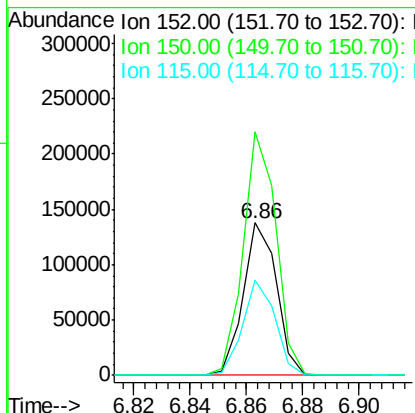
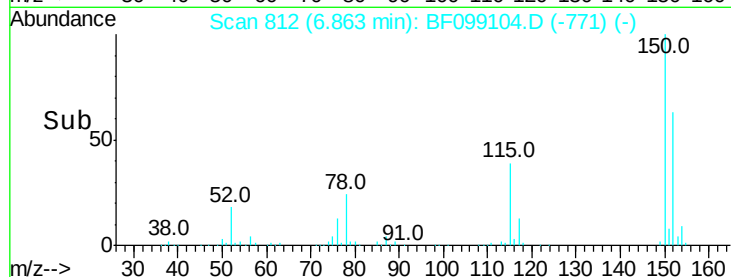
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 112814
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 62.2 50.1 75.1



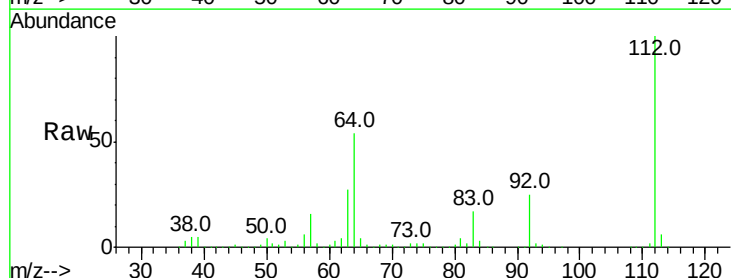
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



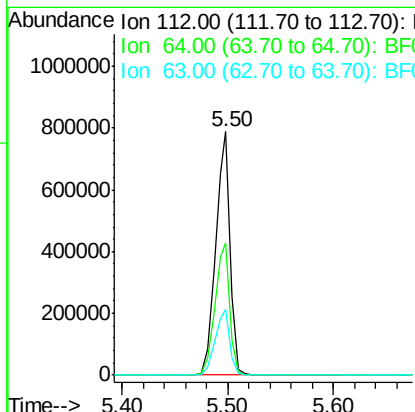
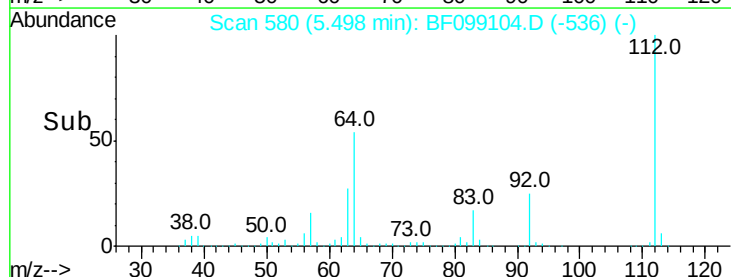
#5

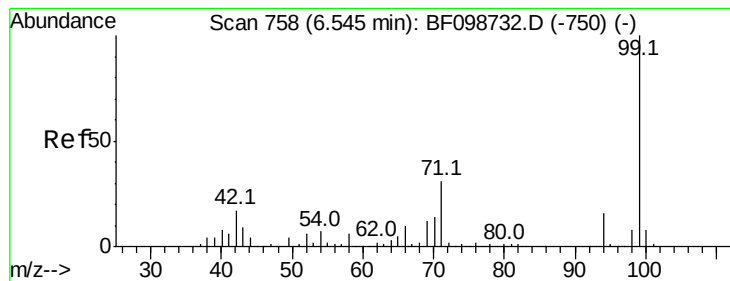
2-Fluorophenol
 Concen: 107.339 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.04 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Tgt Ion:112 Resp: 760682
 Ion Ratio Lower Upper
 112 100
 64 54.4 47.9 71.9
 63 26.8 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: 93.382 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099104.D

Acq: 5 Oct 2017 15:39

Instrument :

BNA_F

ClientSampleId :

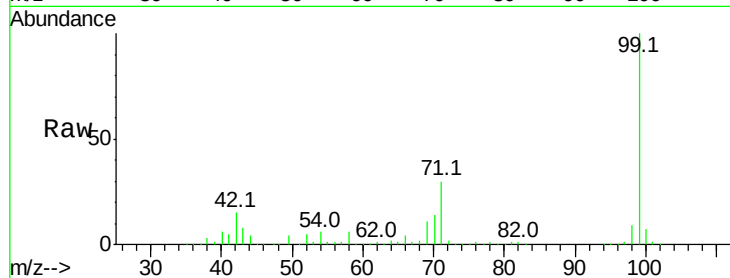
Tot Ion: 99 Resp: 816373

Ion Ratio Lower Upper

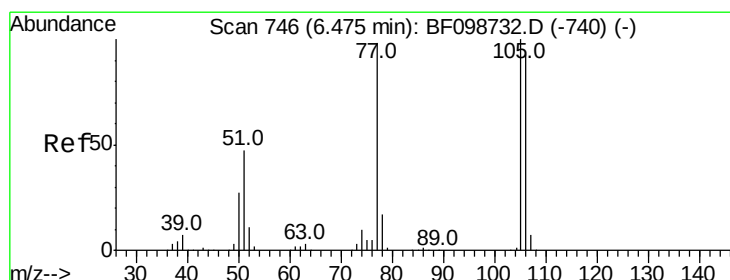
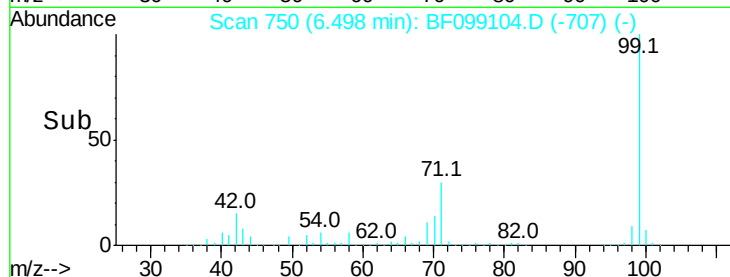
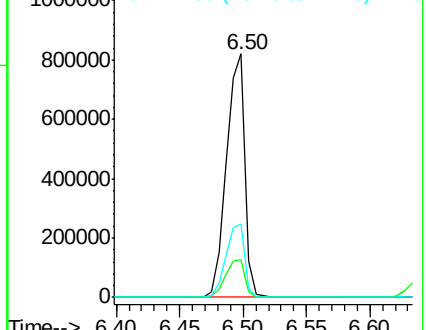
99 100

42 15.4 14.5 21.7

71 30.2 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: 3.341 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.17 min

Lab File: BF099104.D

Acq: 5 Oct 2017 15:39

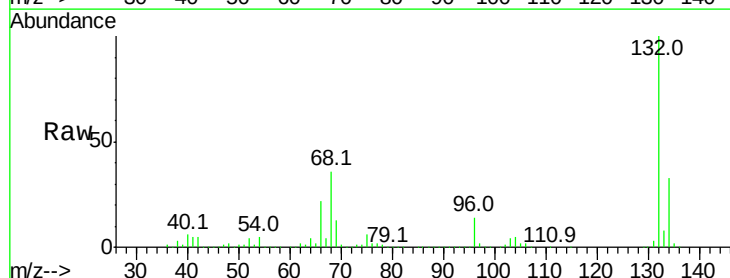
Tgt Ion: 77 Resp: 16942

Ion Ratio Lower Upper

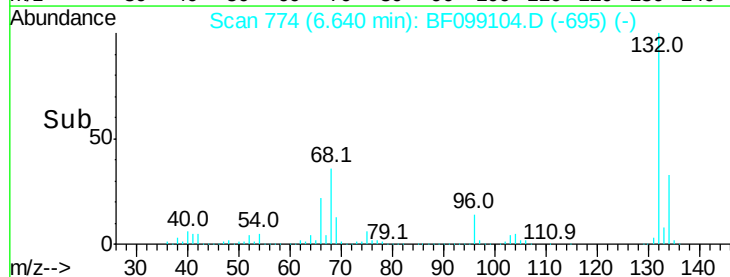
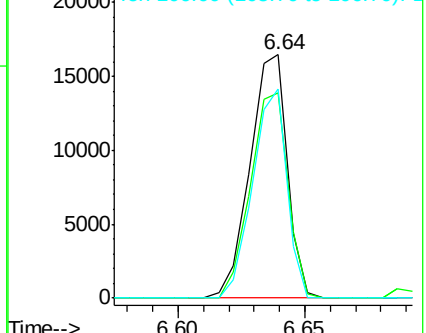
77 100

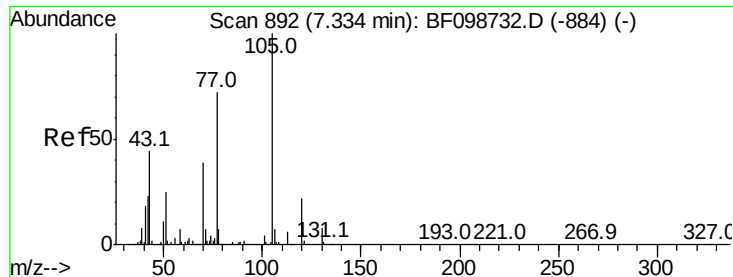
105 84.4 81.1 121.1

106 85.7 74.5 114.5



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

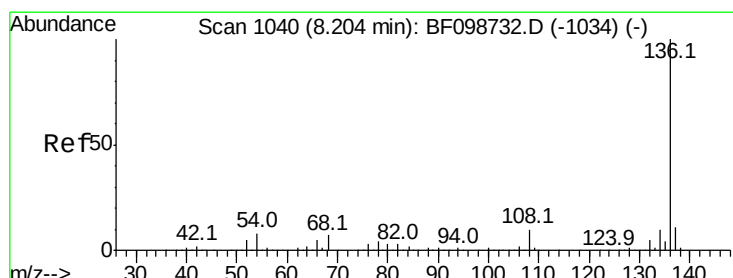
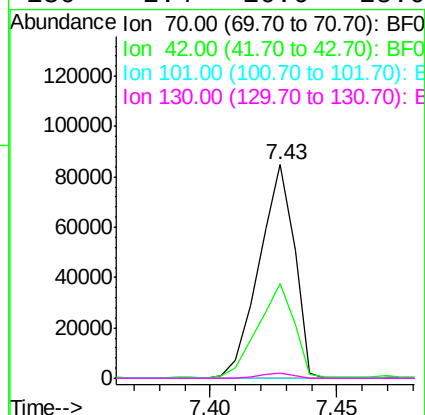
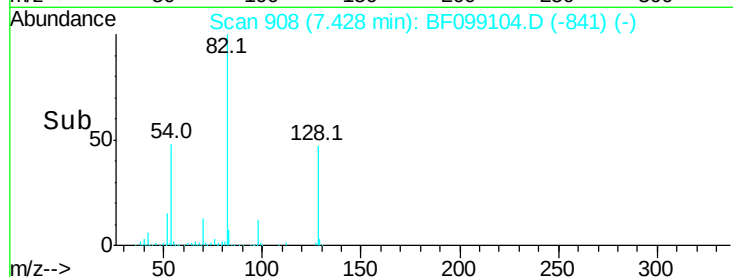
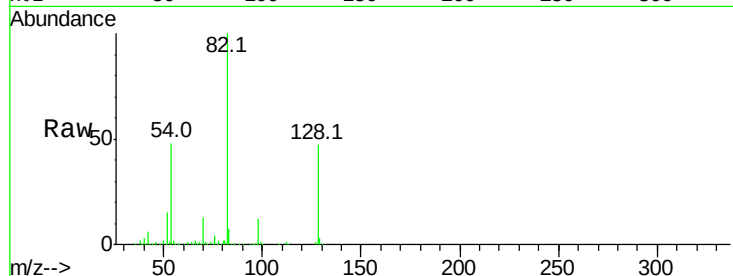




#19
n-Nitroso-di-n-propylamine
Concen: 14.823 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.09 min
Lab File: BF099104.D
Acq: 5 Oct 2017 15:39

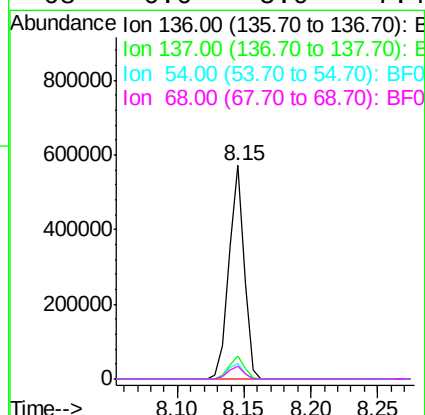
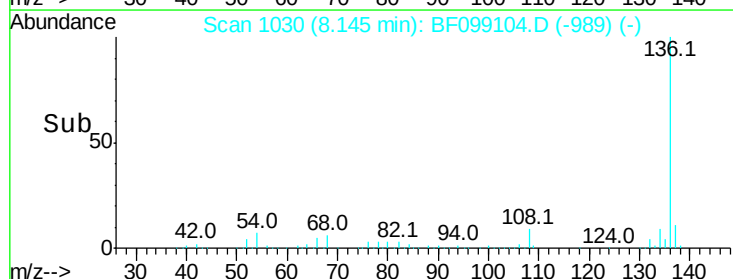
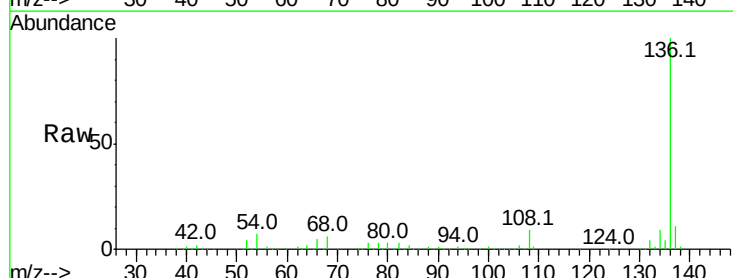
Instrument :
BNA_F
ClientSampleId :

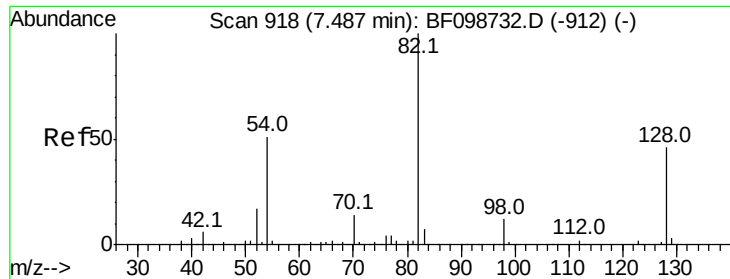
Tot Ion: 70 Resp: 82736
Ion Ratio Lower Upper
70 100
42 44.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099104.D
Acq: 5 Oct 2017 15:39

Tgt Ion: 136 Resp: 463354
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 6.6 9.8
68 6.0 5.0 7.4

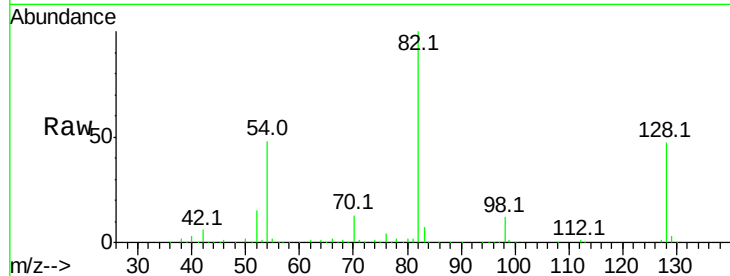




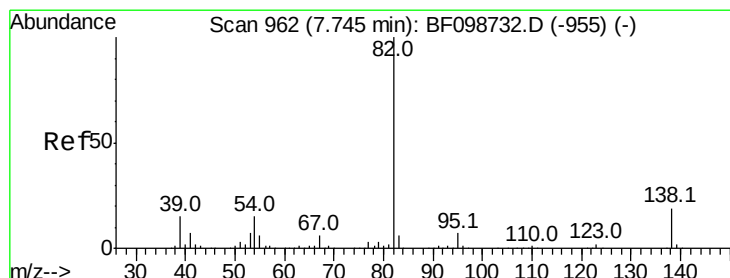
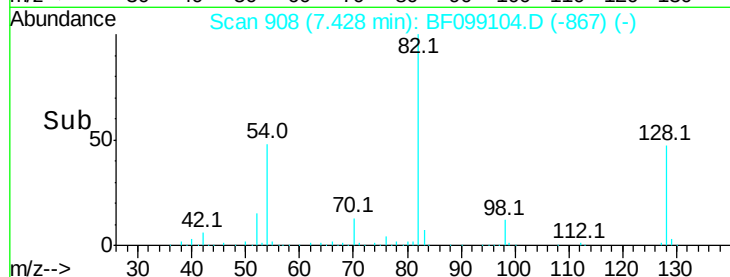
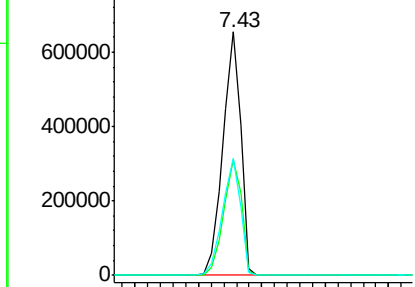
#23
 Nitrobenzene-d5
 Concen: 89.015 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	643150
Ion Ratio	100	Lower	Upper
128	47.4	36.1	54.1
54	48.2	41.4	62.2

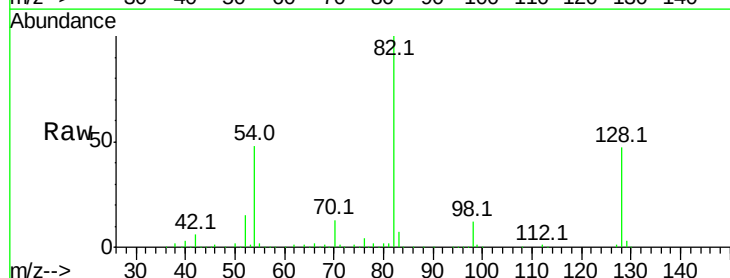


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

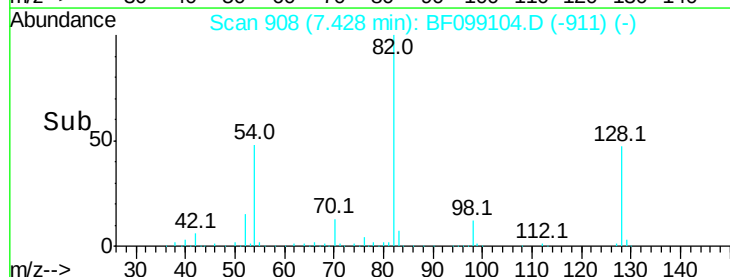
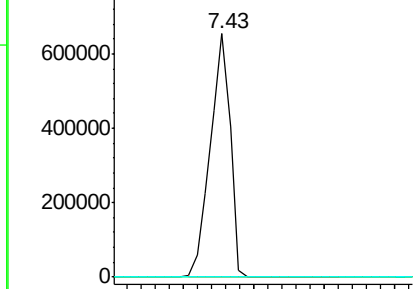


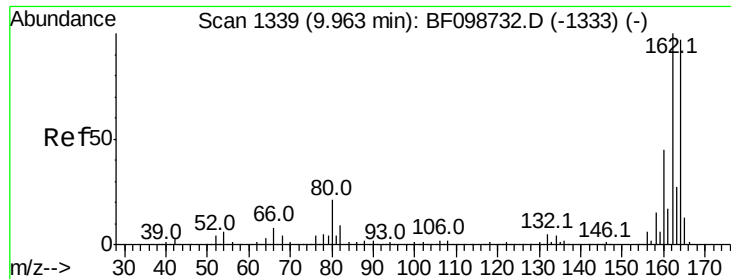
#25
 Isophorone
 Concen: 42.923 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.32 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Tgt Ion	82	Resp	641194
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

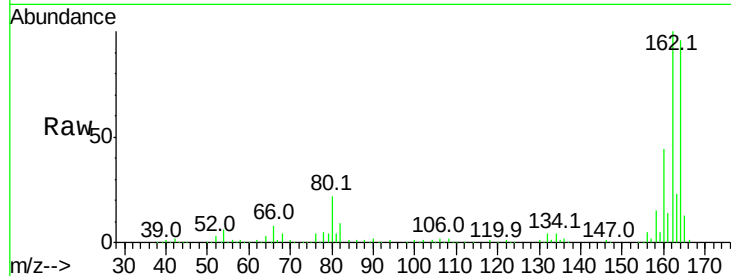




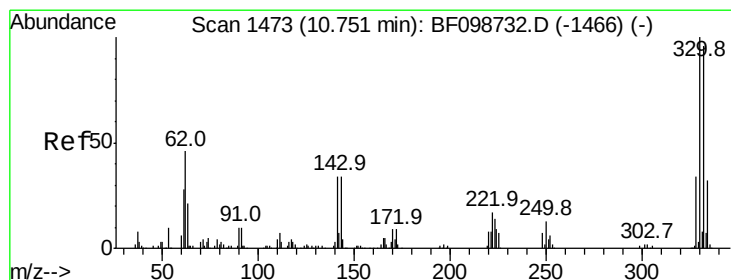
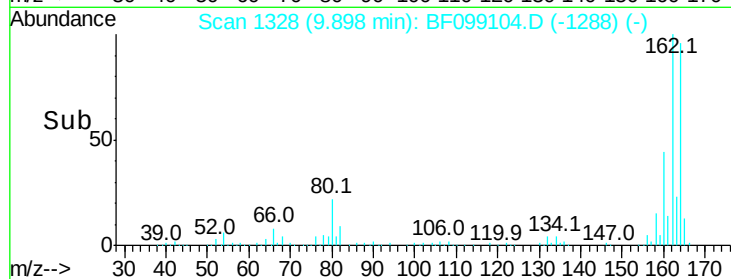
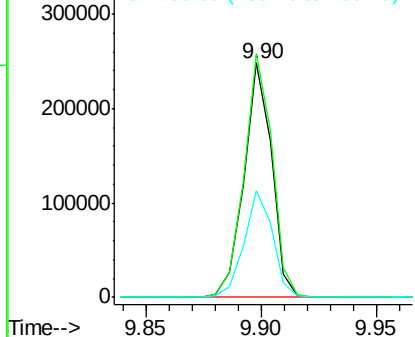
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 208465
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 45.5 38.3 57.5

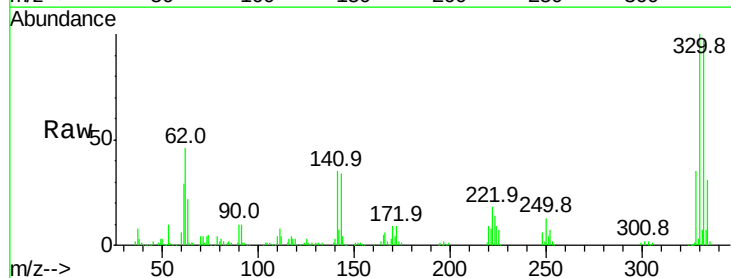


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

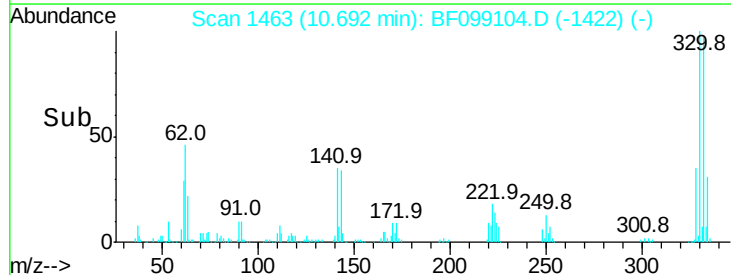
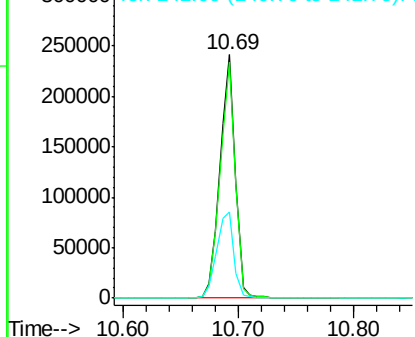


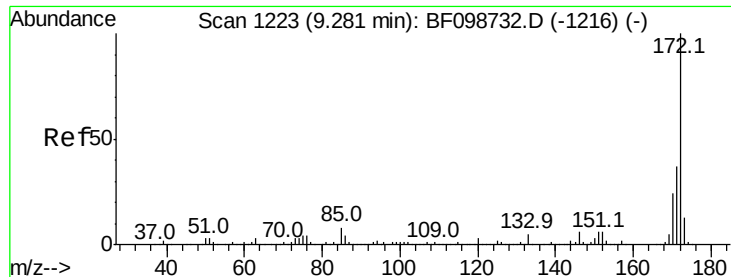
#41
 2,4,6-Tribromophenol
 Concen: 130.260 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Tgt Ion:330 Resp: 222198
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 39.5 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



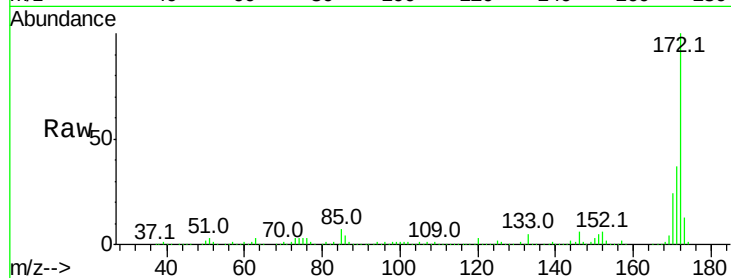


#44
 2-Fluorobiphenyl
 Concen: 91.078 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

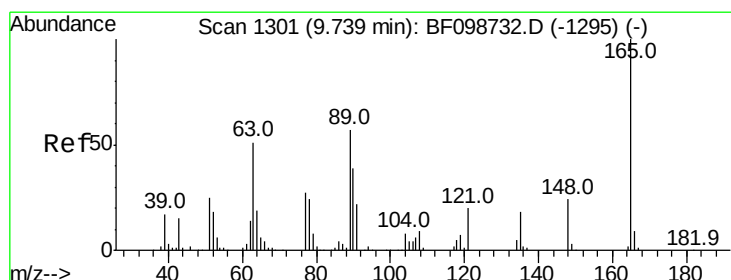
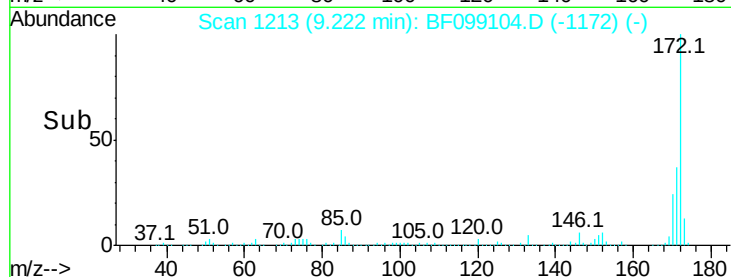
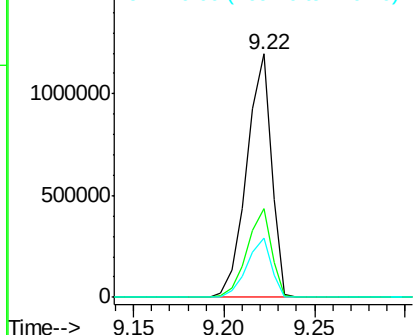
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1137319

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	19.6	29.4



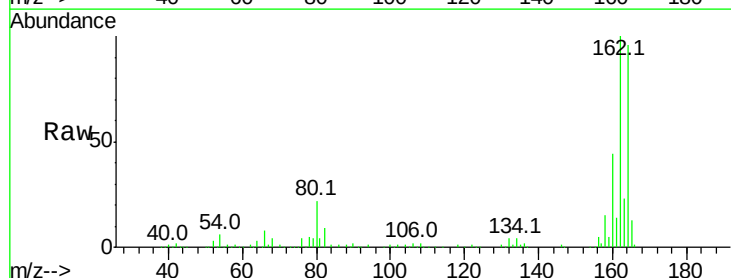
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



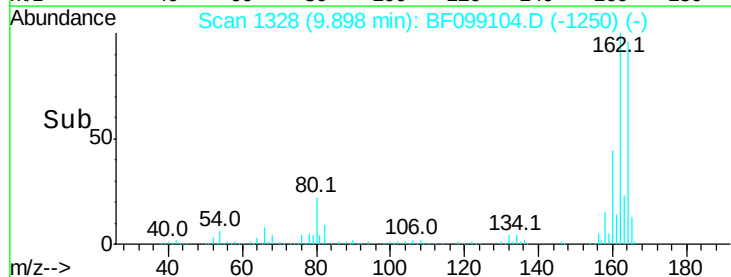
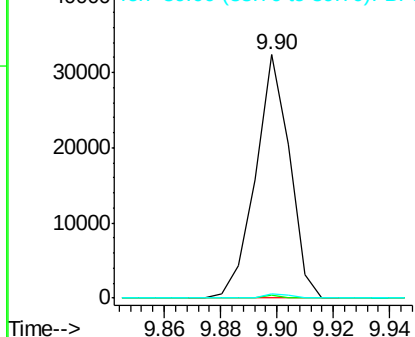
#50
 2,6-Dinitrotoluene
 Concen: 7.885 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.16 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

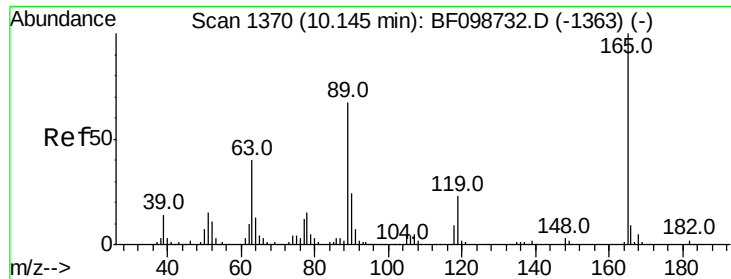
Tgt Ion:165 Resp: 27010

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.8	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

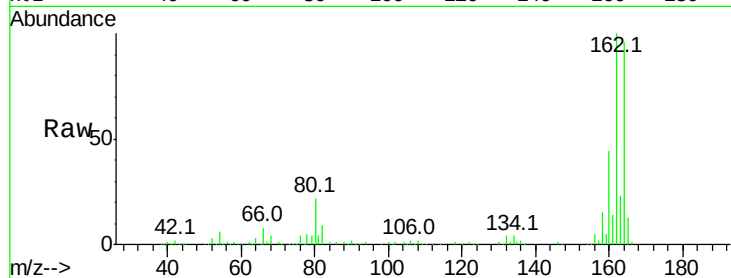




#56
 2,4-Dinitrotoluene
 Concen: 6.076 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.25 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

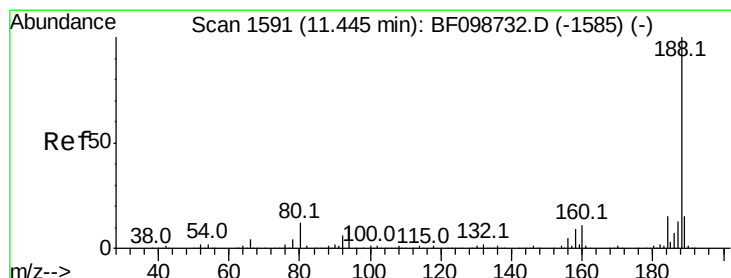
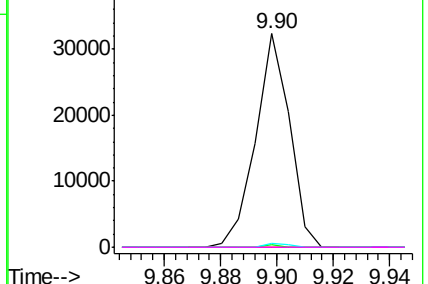
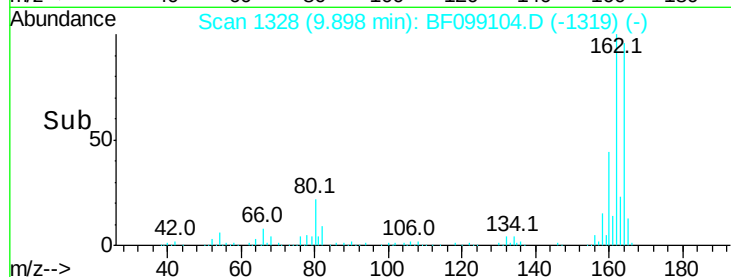


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

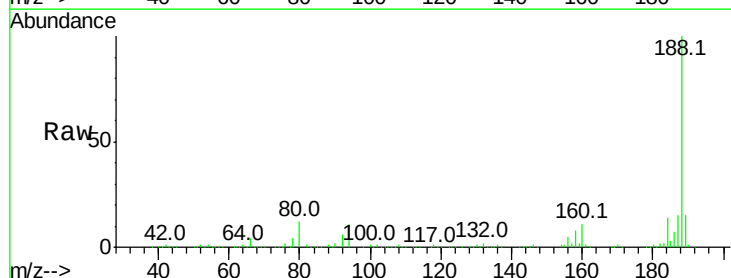
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

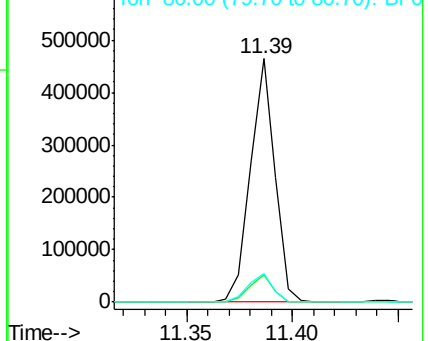
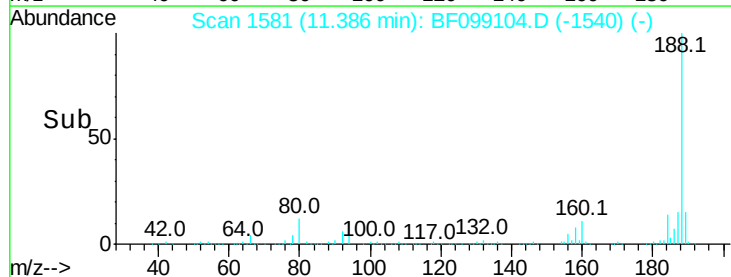
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.8	9.2	13.8

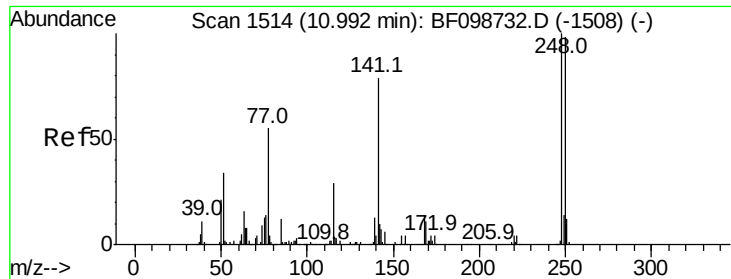


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

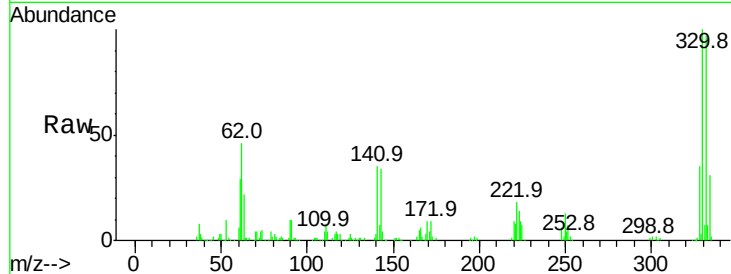




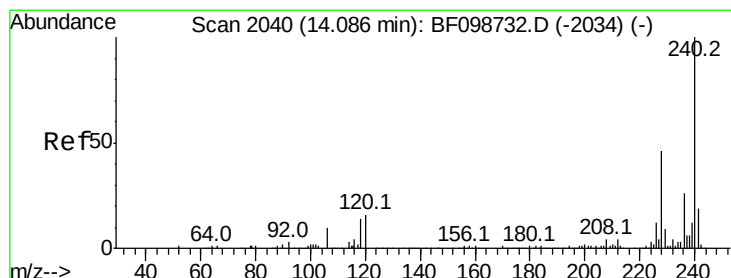
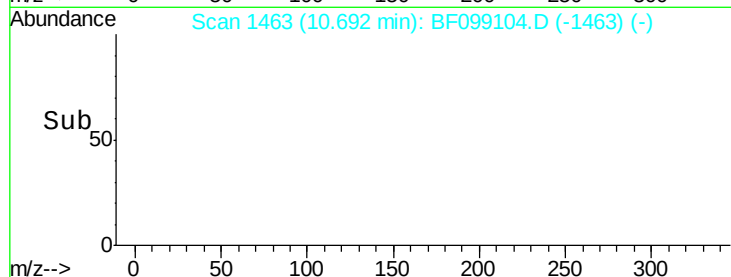
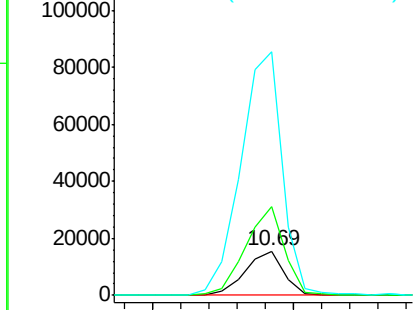
#66
 4-Bromophenyl-phenylether
 Concen: 4.005 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.30 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14646
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 554.5 74.4 111.6#

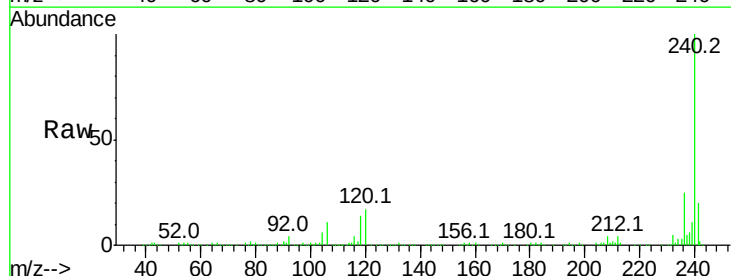


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

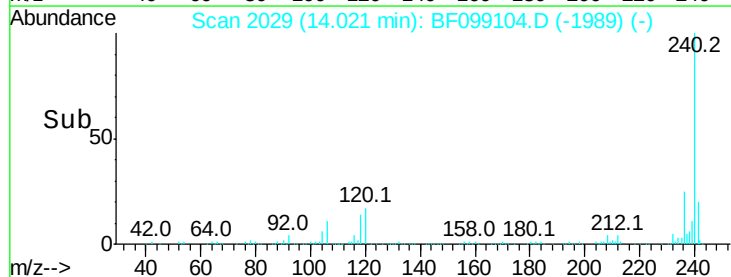
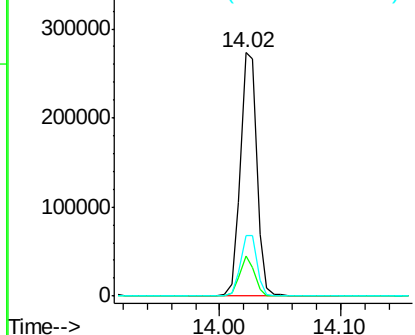


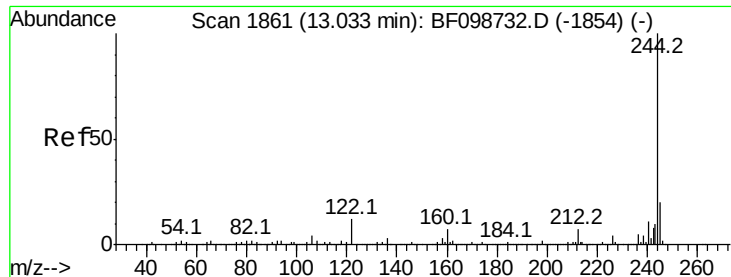
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.06 min
 Lab File: BF099104.D
 Acq: 5 Oct 2017 15:39

Tgt Ion:240 Resp: 264436
 Ion Ratio Lower Upper
 240 100
 120 16.7 9.5 14.3#
 236 25.1 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: 88.263 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099104.D

Acq: 5 Oct 2017 15:39

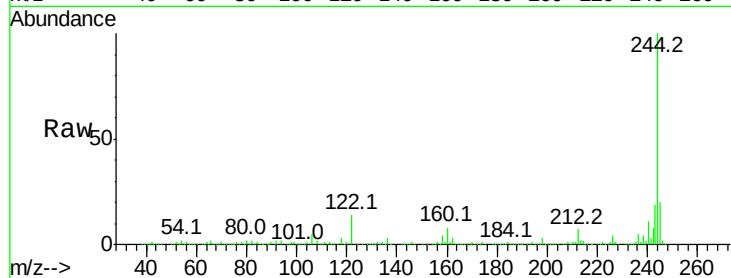
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1026289

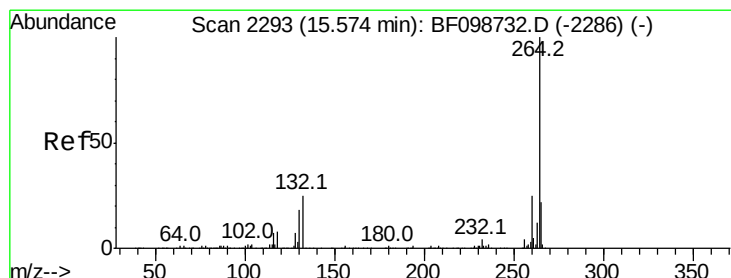
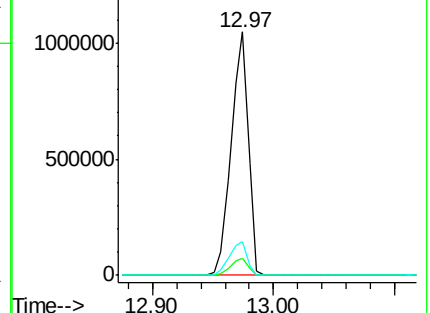
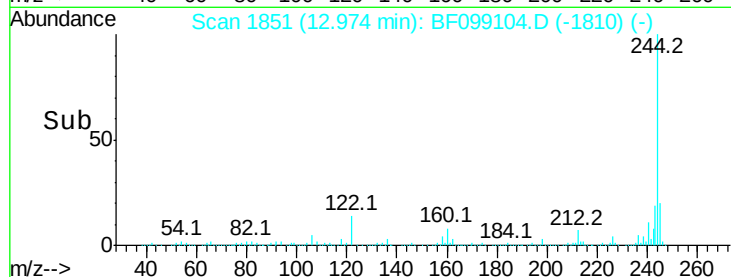
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.0	11.0	16.4



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: 20.000 ng

RT: 15.50 min Scan# 2280

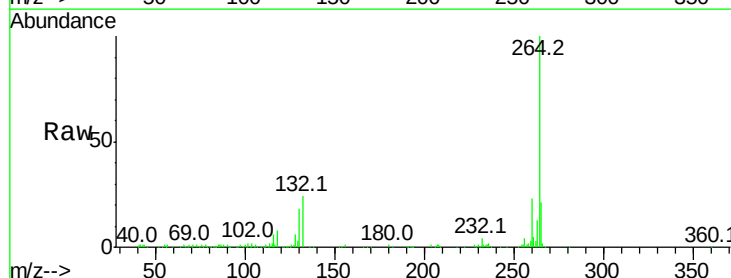
Delta R.T. -0.08 min

Lab File: BF099104.D

Acq: 5 Oct 2017 15:39

Tgt Ion:264 Resp: 200308

Ion	Ratio	Lower	Upper
264	100		
260	23.2	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

