

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099144.D
 Acq On : 6 Oct 2017 13:04
 Operator : SJ/JU
 Sample : I5616-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 14:33:24 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

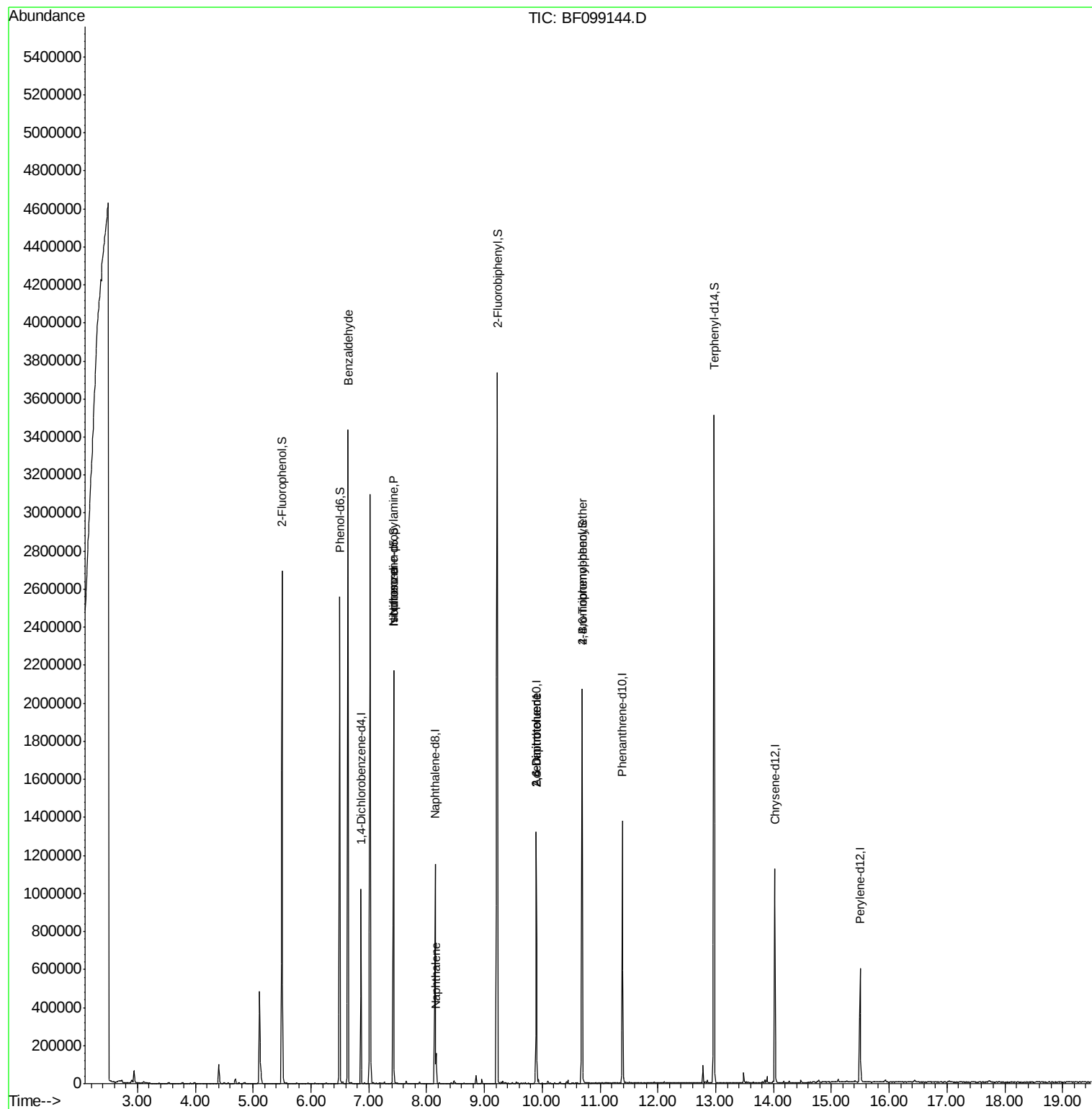
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134902	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	558028	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	251334	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	458524	20.00	ng	0.00
75) Chrysene-d12	14.02	240	366309	20.00	ng	-0.01
86) Perylene-d12	15.50	264	269913	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	909195	107.29	ng	0.02
7) Phenol-d6	6.50	99	942144	90.12	ng	0.00
23) Nitrobenzene-d5	7.43	82	792513	91.08	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	282471	137.35	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1413307	93.88	ng	0.00
78) Terphenyl-d14	12.97	244	1290259	80.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	20475	3.376	ng	85
19) n-Nitroso-di-n-propylamine	7.43	70	103679	15.534	ng	# 73
25) Isophorone	7.43	82	790677	43.950	ng	# 64
31) Naphthalene	8.16	128	63802	2.434	ng	99
50) 2,6-Dinitrotoluene	9.90	165	32453	7.858	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	32453	6.055	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	18945	4.221	ng	# 1

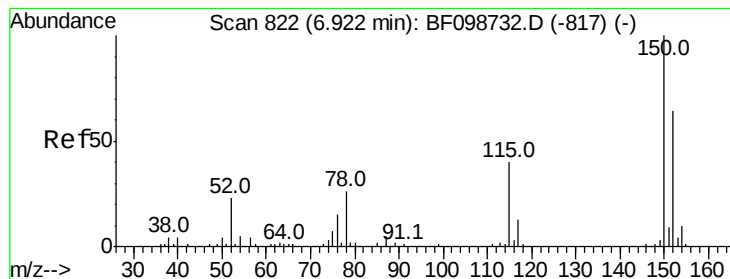
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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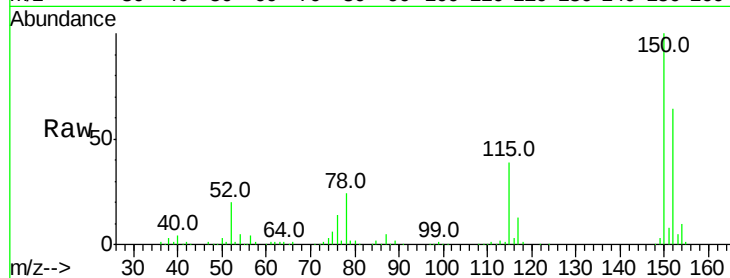


#1

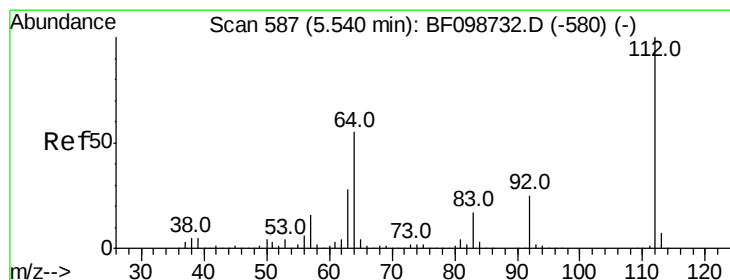
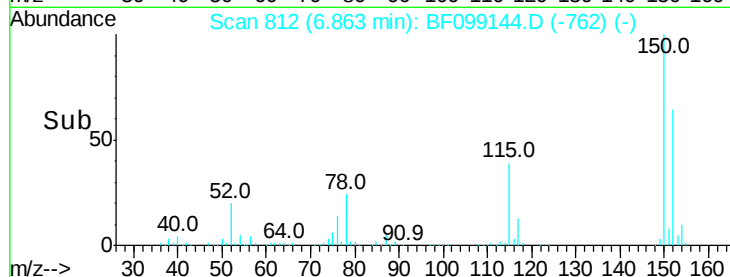
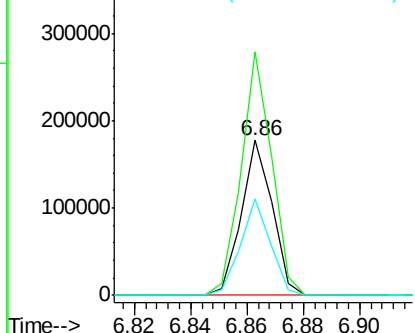
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134902
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.8 50.1 75.1



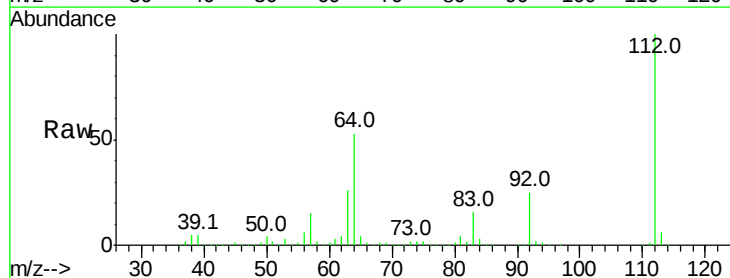
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



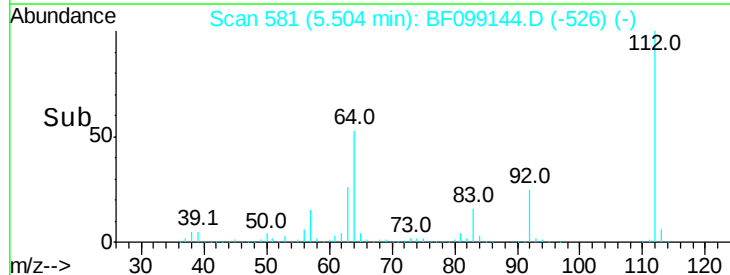
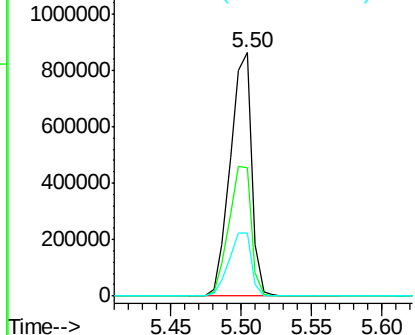
#5

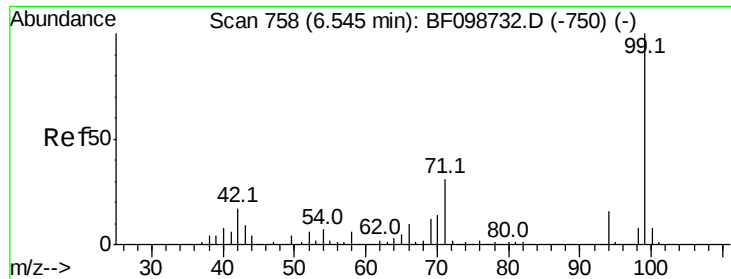
2-Fluorophenol
Concen: 107.289 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

Tgt Ion:112 Resp: 909195
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 26.0 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: 90.123 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

Instrument :

BNA_F

ClientSampleId :

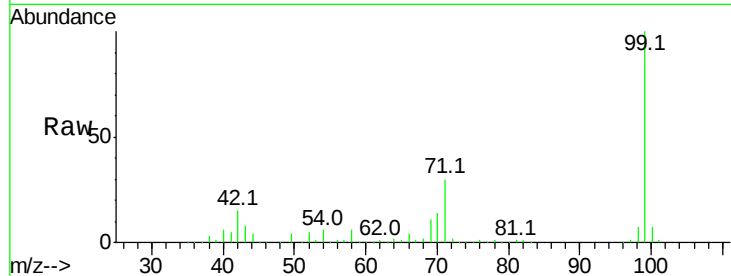
Tot Ion: 99 Resp: 942144

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

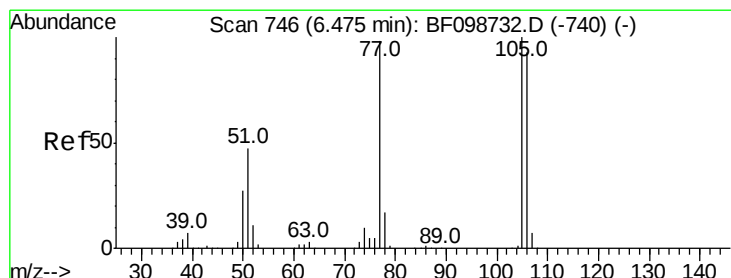
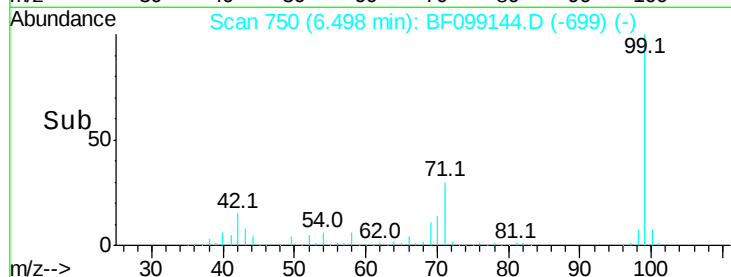
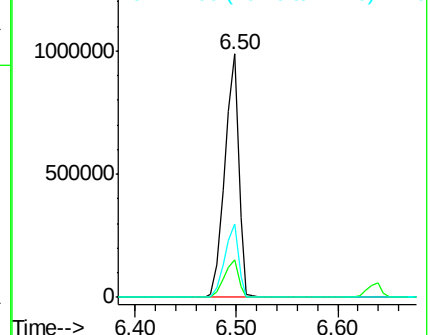
71 30.3 25.4 38.0



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: 3.376 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

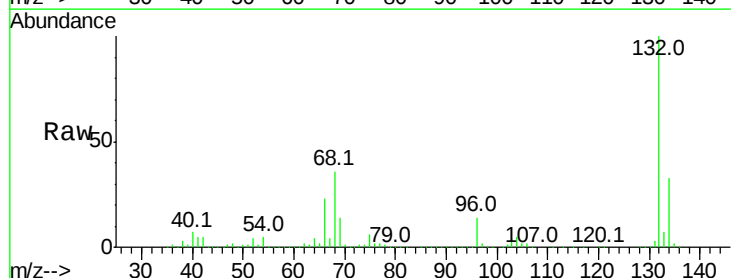
Tgt Ion: 77 Resp: 20475

Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

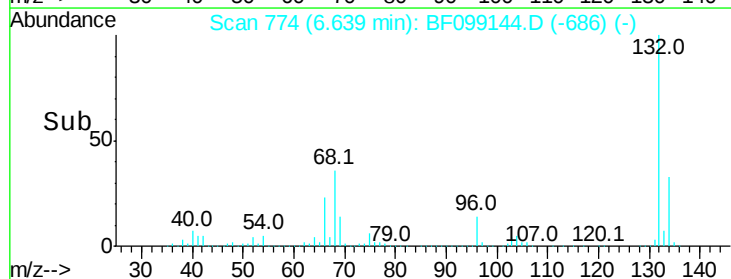
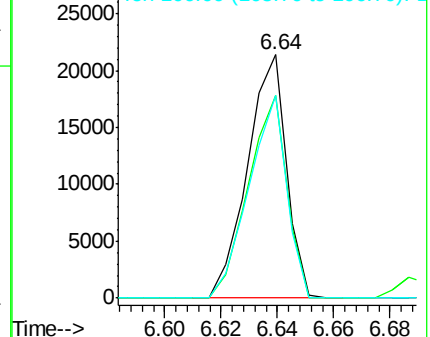
106 83.4 74.5 114.5

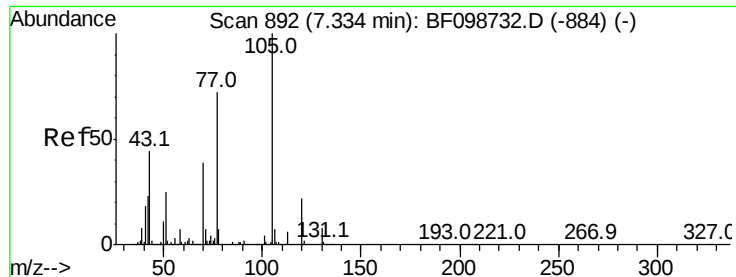


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

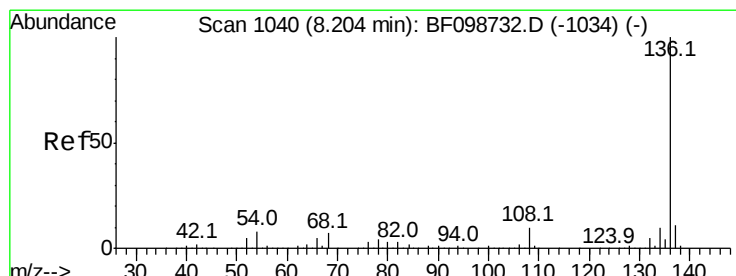
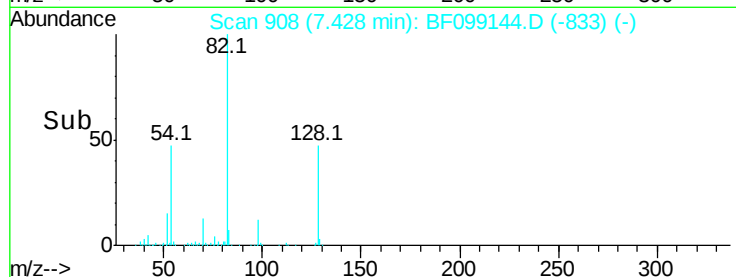
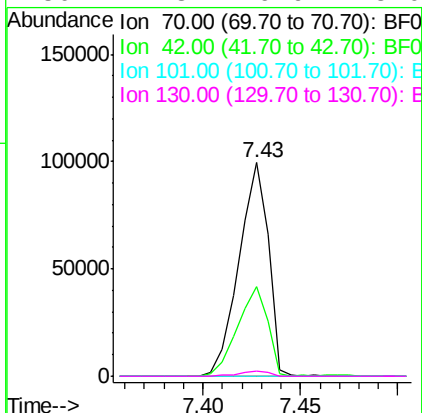
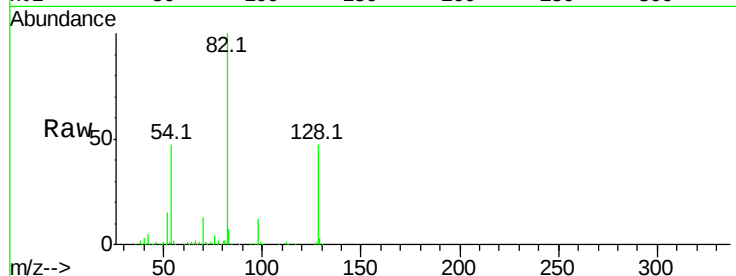




#19
n-Nitroso-di-n-propylamine
Concen: 15.534 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

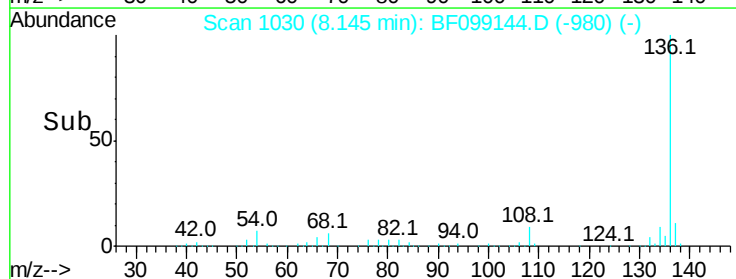
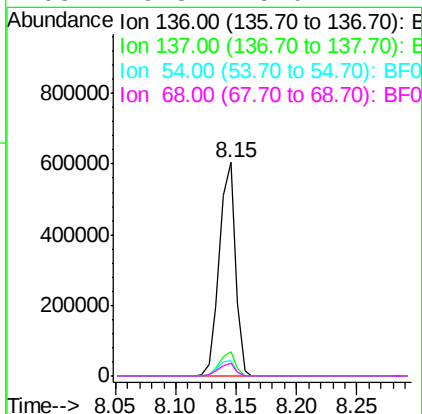
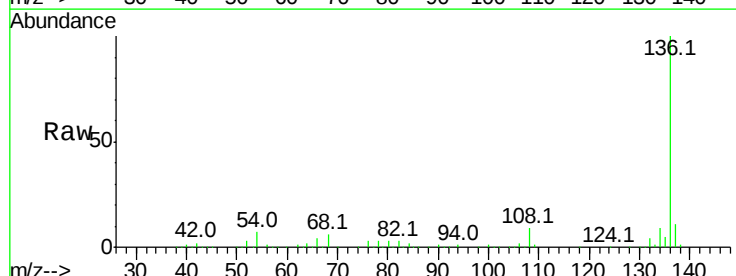
Instrument :
BNA_F
ClientSampleId :

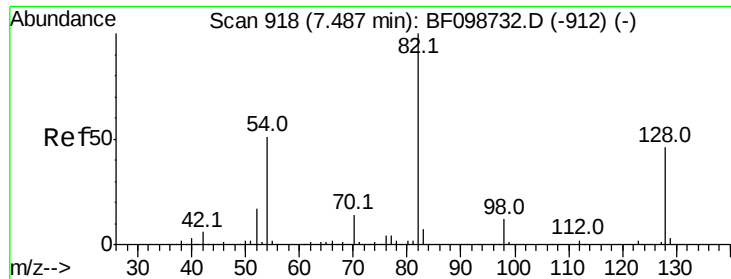
Tot Ion: 70 Resp: 103679
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

Tgt Ion: 136 Resp: 558028
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.0 6.6 9.8
68 5.8 5.0 7.4

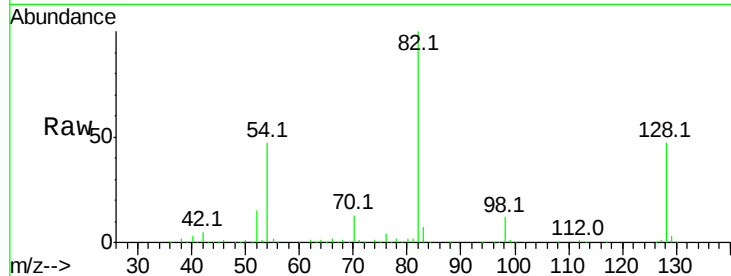




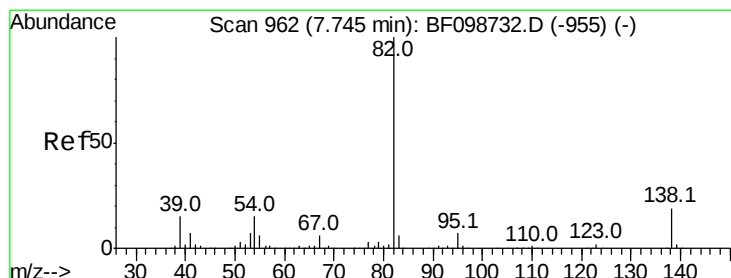
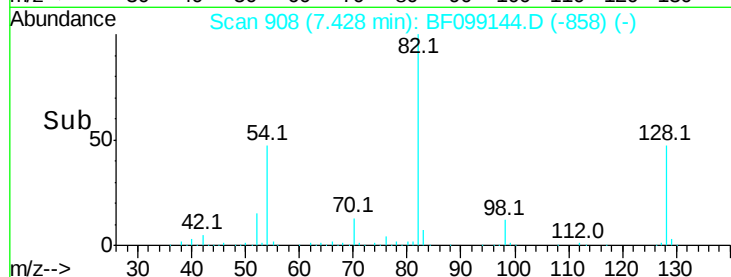
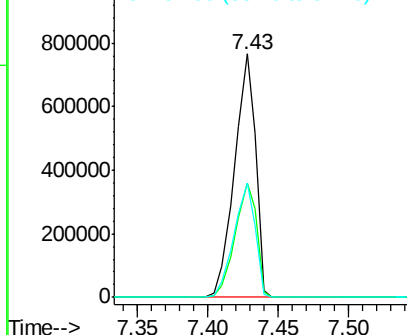
#23
 Nitrobenzene-d5
 Concen: 91.078 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	47.1	41.4	62.2

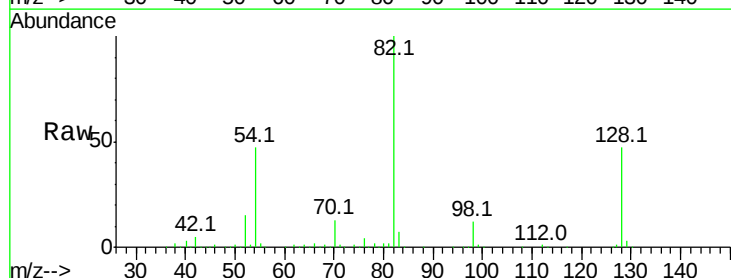


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

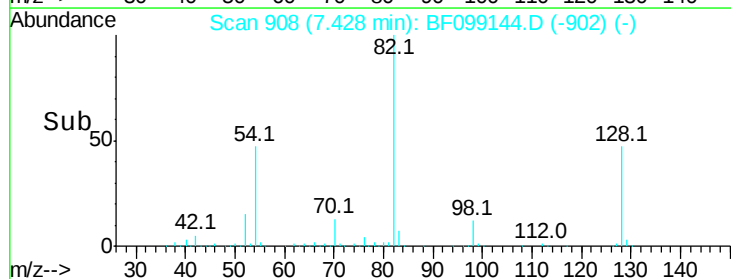
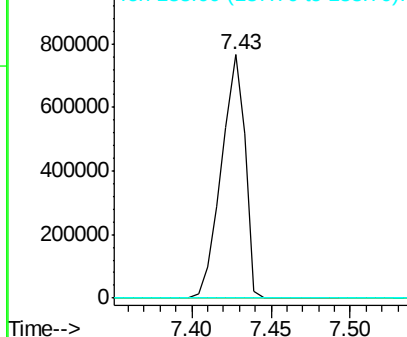


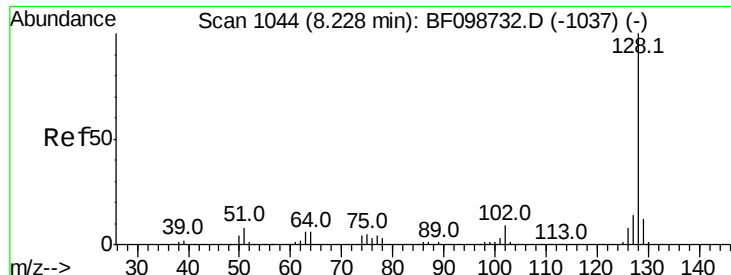
#25
 Isophorone
 Concen: 43.950 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Tgt 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

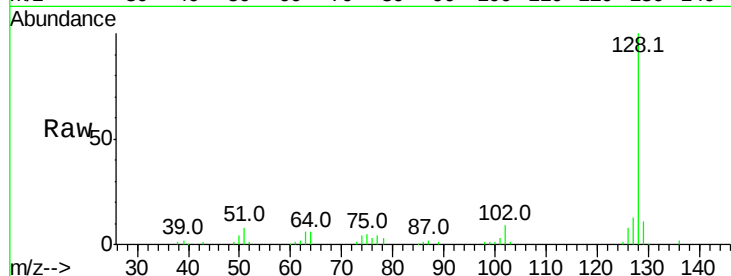




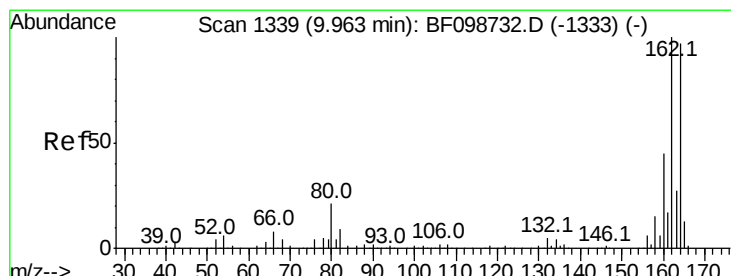
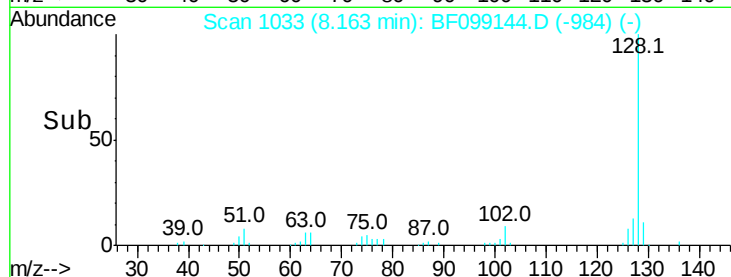
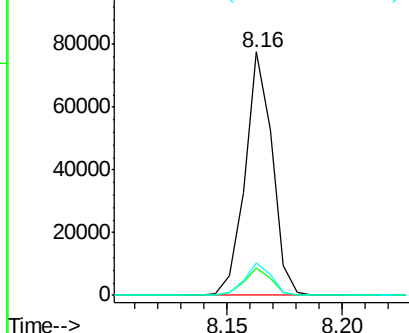
#31
Naphthalene
Concen: 2.434 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 63802
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.3 10.9 16.3

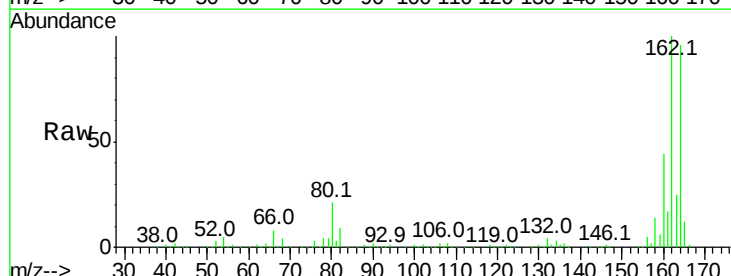


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

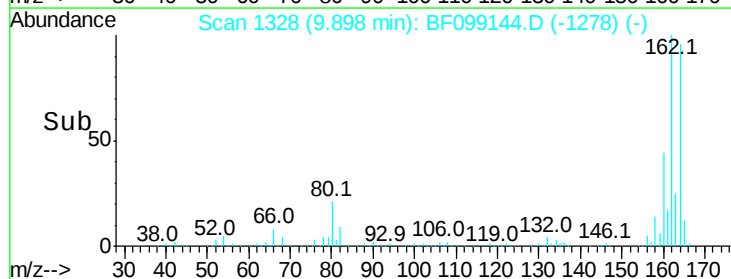
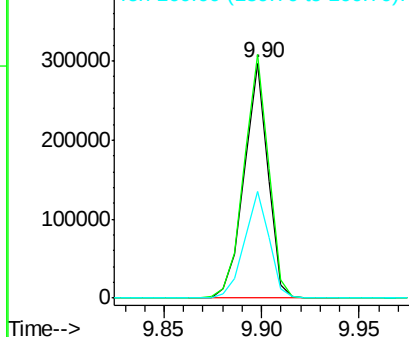


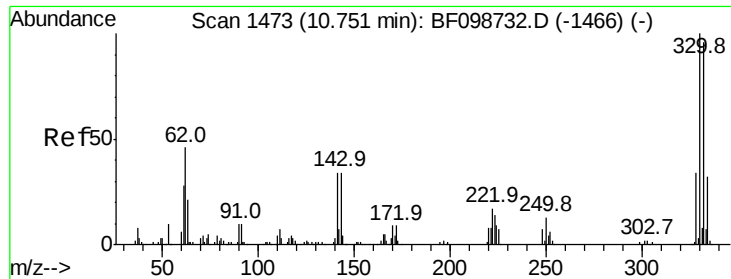
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099144.D
Acq: 6 Oct 2017 13:04

Tgt Ion:164 Resp: 251334
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 45.3 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

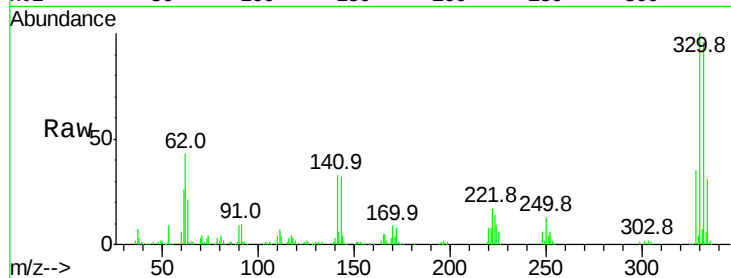




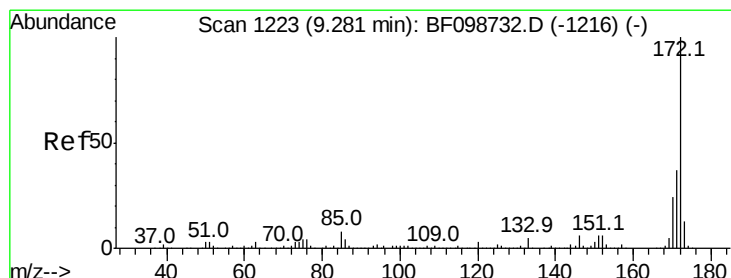
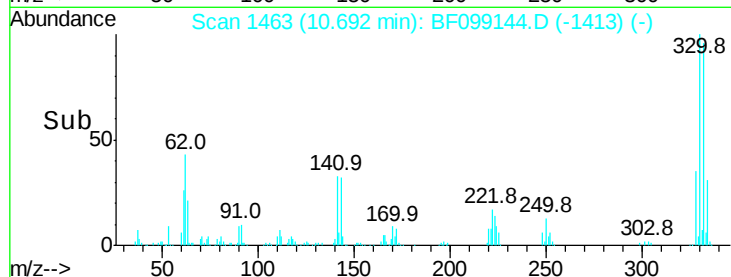
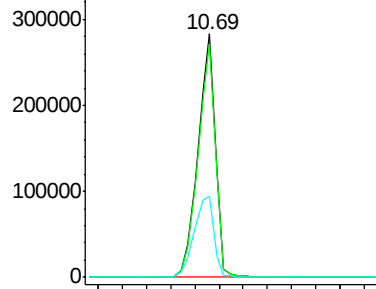
#41
 2,4,6-Tribromophenol
 Concen: 137.349 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282471
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 37.8 29.9 44.9

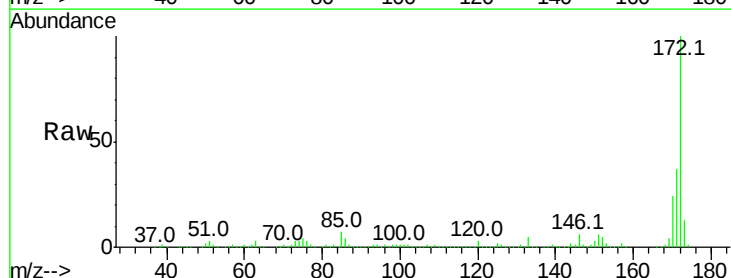


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

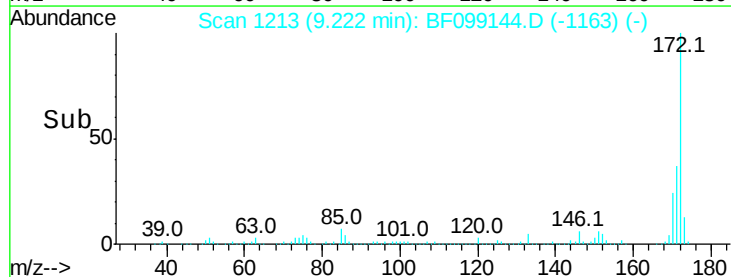
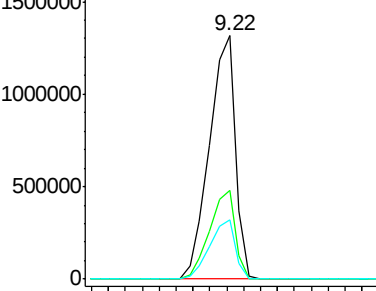


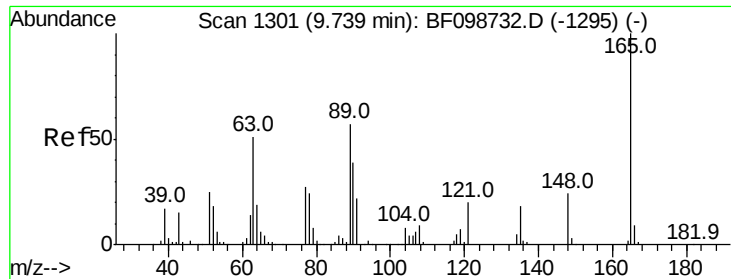
#44
 2-Fluorobiphenyl
 Concen: 93.875 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Tgt Ion:172 Resp: 1413307
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.4 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

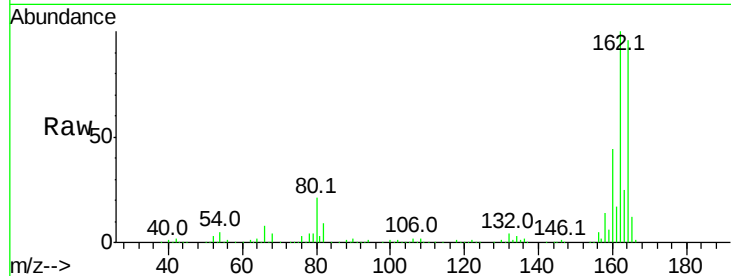




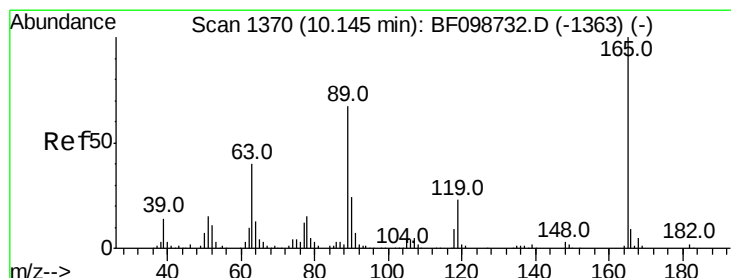
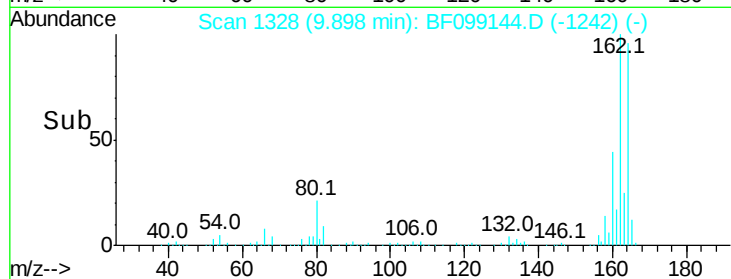
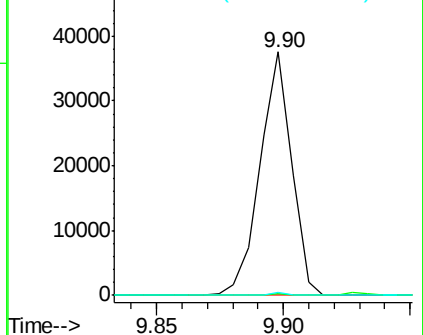
#50
 2,6-Dinitrotoluene
 Concen: 7.858 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	44.7	67.1#
89	1.1	44.0	66.0#

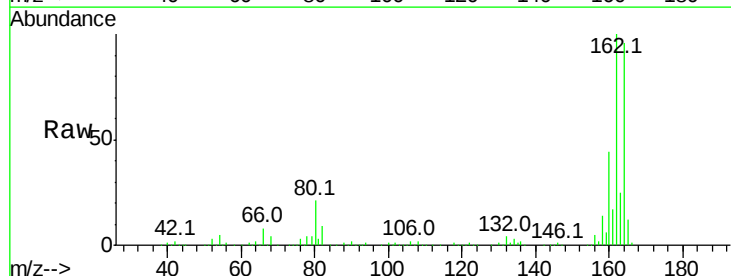


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

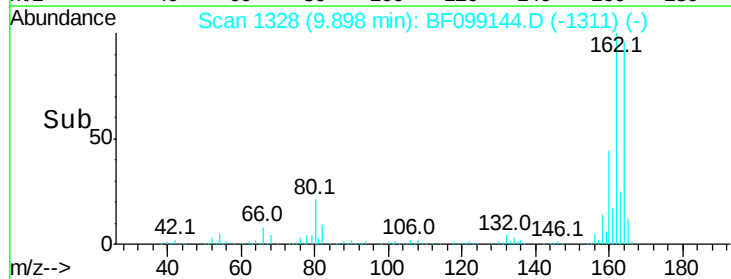
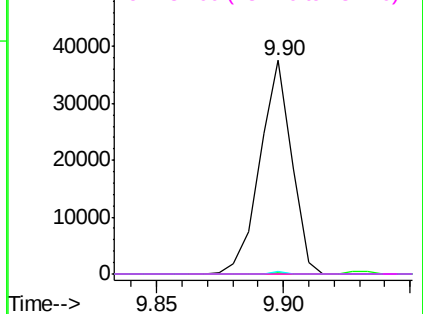


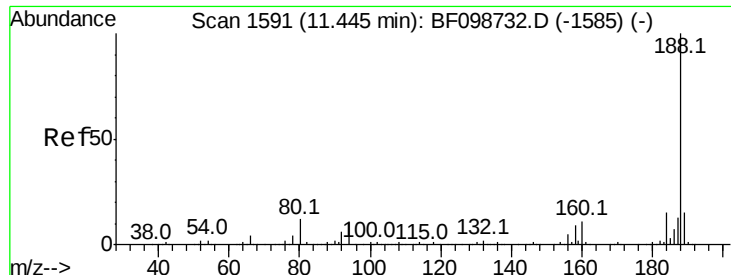
#56
 2,4-Dinitrotoluene
 Concen: 6.055 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.4	54.6#
89	1.1	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

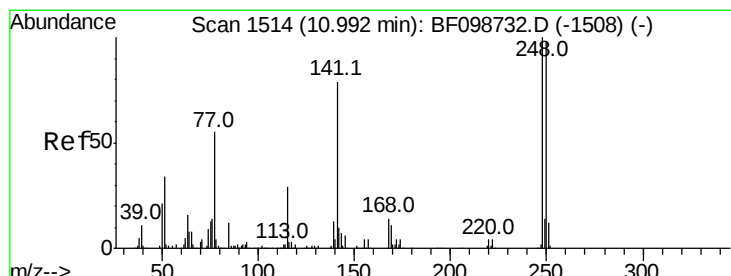
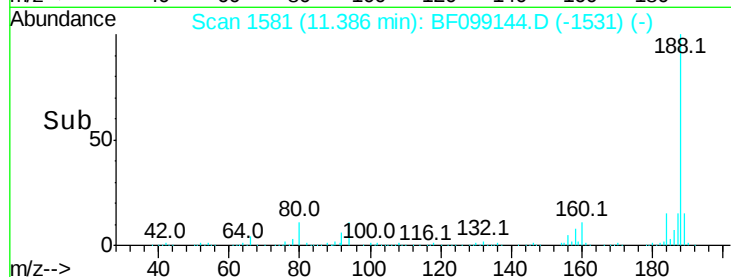
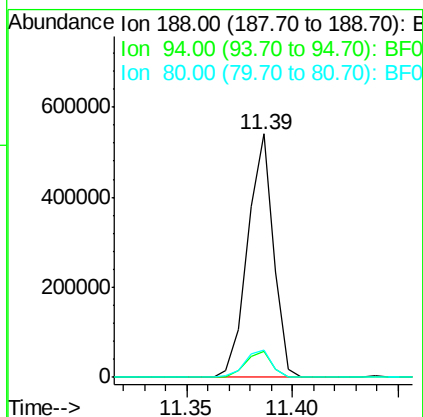
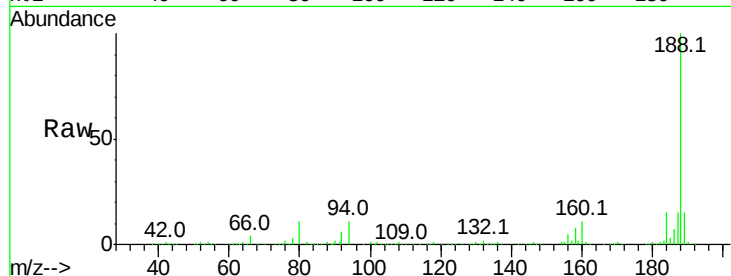




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

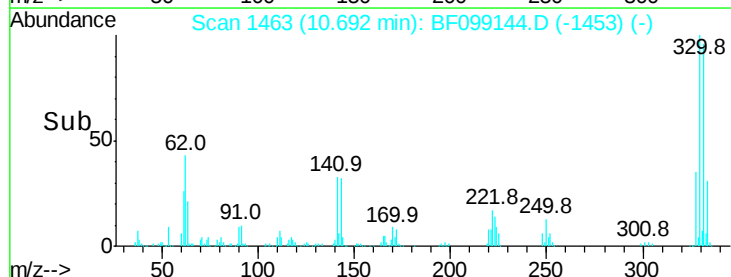
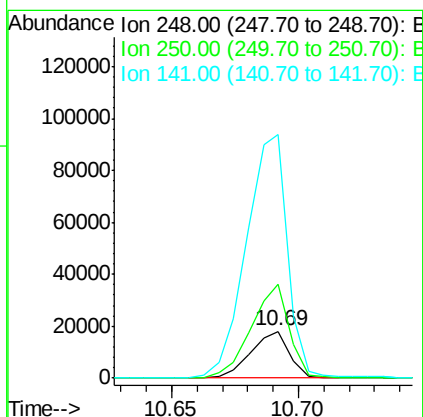
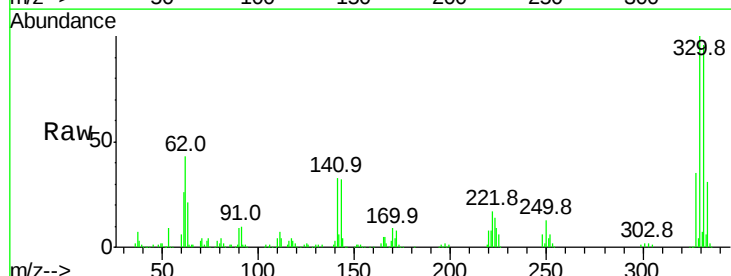
Instrument :
 BNA_F
 ClientSampleId :

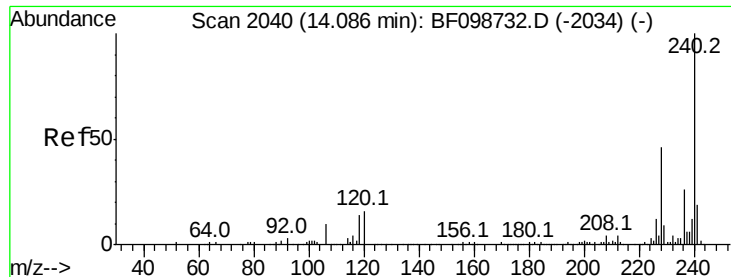
Tot Ion:188 Resp: 458524
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.1 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.221 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Tgt Ion:248 Resp: 18945
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.9 115.3#
 141 516.4 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

Instrument :

BNA_F

ClientSampleId :

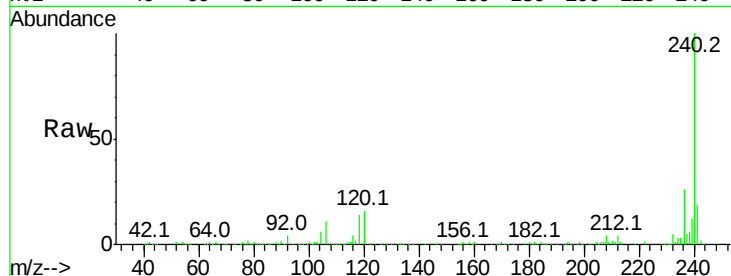
Tot Ion:240 Resp: 366309

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

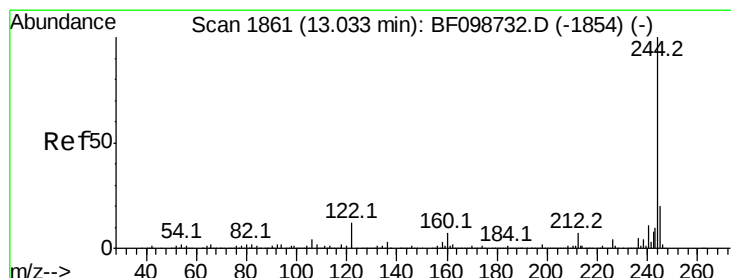
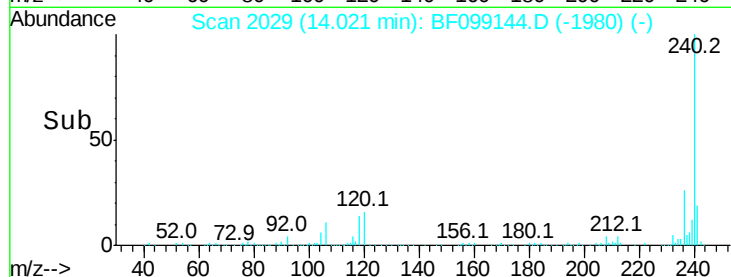
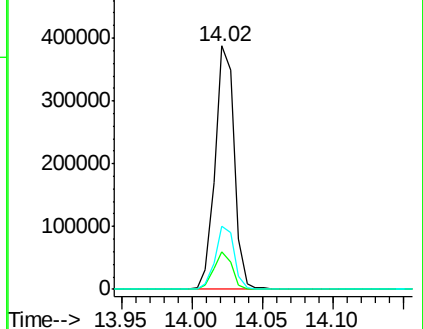
236 25.9 20.7 31.1



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: 80.105 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099144.D

Acq: 6 Oct 2017 13:04

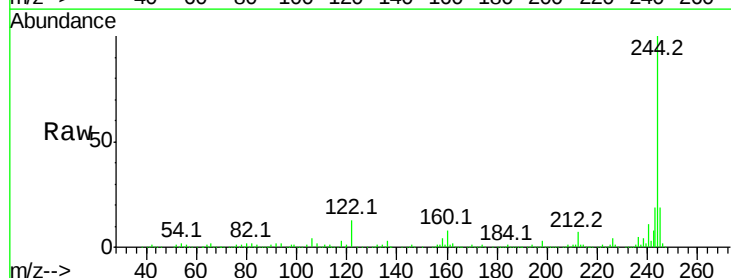
Tgt Ion:244 Resp: 1290259

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

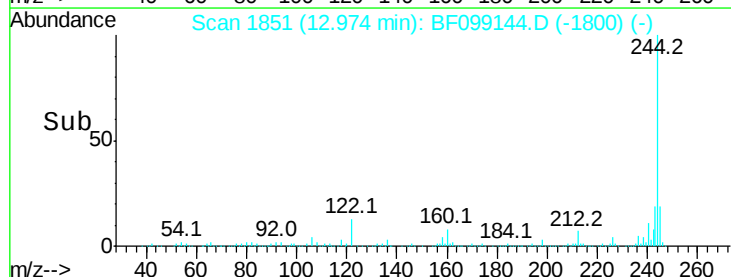
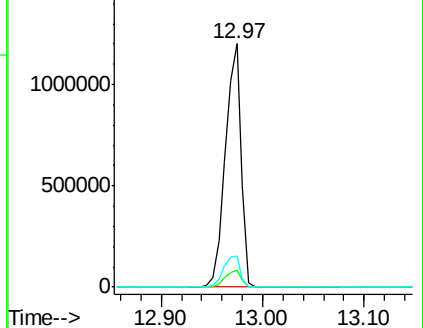
122 12.9 11.0 16.4

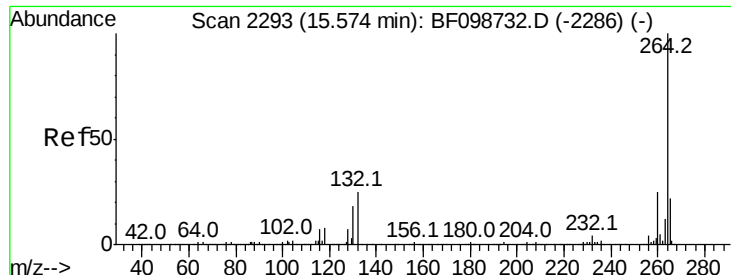


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

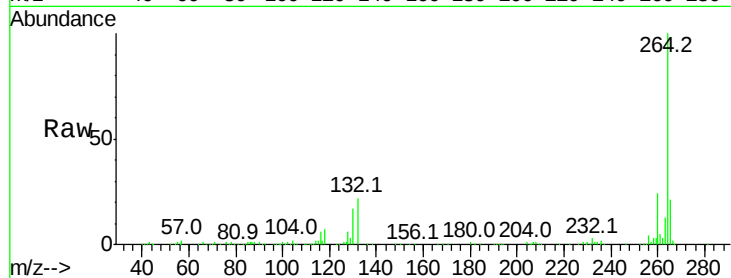




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099144.D
 Acq: 6 Oct 2017 13:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 269913
 Ion Ratio Lower Upper
 264 100
 260 23.7 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

