

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099000.D
 Acq On : 2 Oct 2017 15:32
 Operator : SJ/JU
 Sample : PB102839BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 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 : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

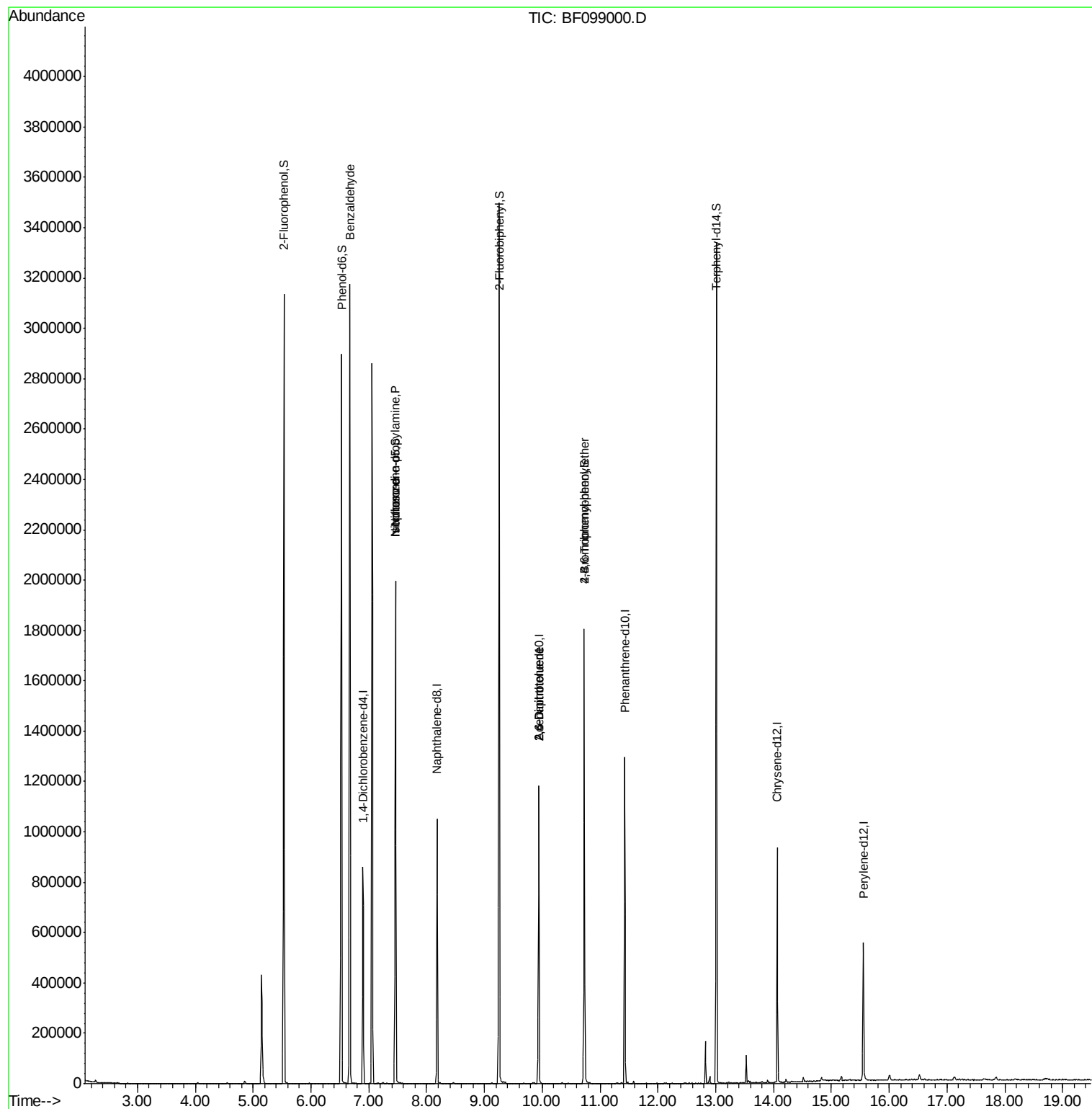
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	125923	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	523133	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	238839	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	411924	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	297719	20.00	ng	-0.02
86) Perylene-d12	15.56	264	237494	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	998526	126.23	ng	0.00
7) Phenol-d6	6.53	99	1209404	123.94	ng	-0.02
23) Nitrobenzene-d5	7.46	82	748097	91.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	240752	123.19	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1363104	95.28	ng	-0.02
78) Terphenyl-d14	13.02	244	1124593	85.90	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.67	77	20927	3.697	ng	89
19) n-Nitroso-di-n-propylamine	7.46	70	95804	15.377	ng	# 76
25) Isophorone	7.46	82	744591	44.149	ng	# 64
50) 2,6-Dinitrotoluene	9.94	165	30354	7.735	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	30354	5.960	ng	# 23
66) 4-Bromophenyl-phenylether	10.73	248	16363	4.058	ng	# 1

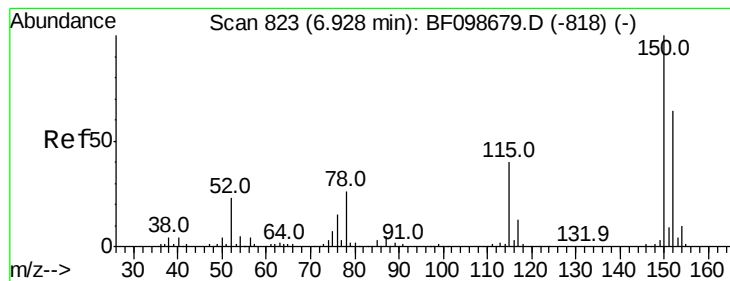
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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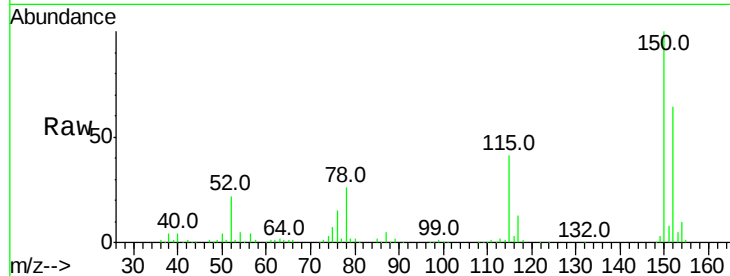


#1

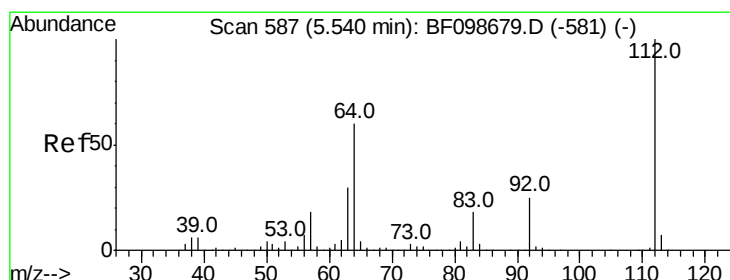
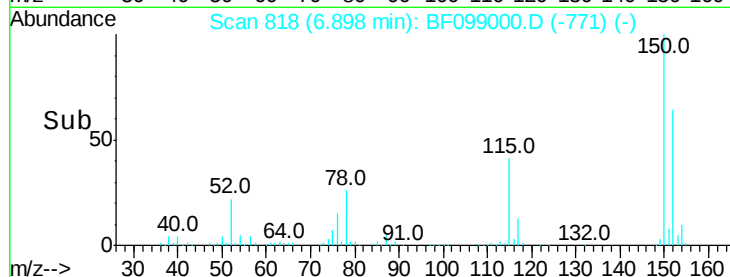
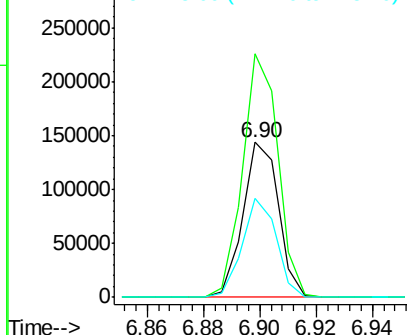
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125923
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 64.2 50.1 75.1



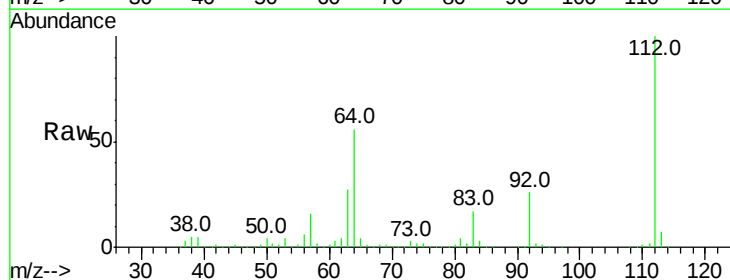
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



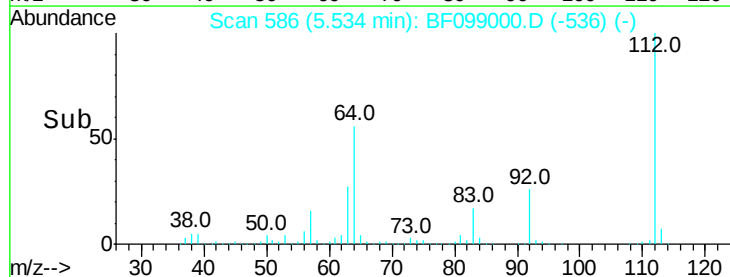
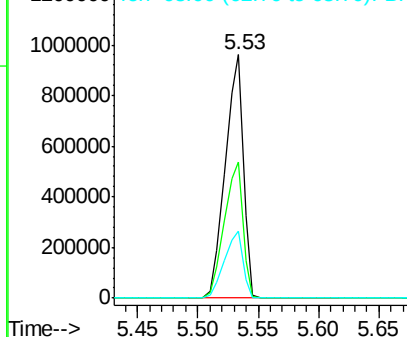
#5

2-Fluorophenol
Concen: 126.232 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Tgt Ion:112 Resp: 998526
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.5 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: 123.938 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

Instrument :

BNA_F

ClientSampled :

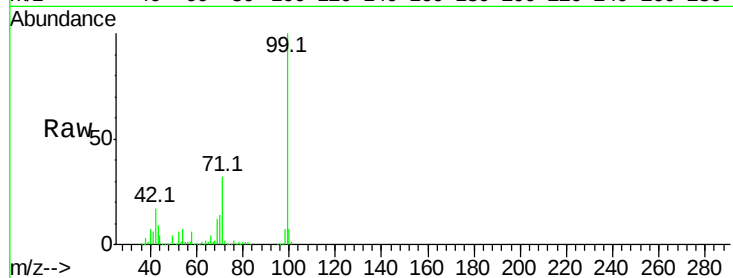
Tot Ion: 99 Resp: 1209404

Ion Ratio Lower Upper

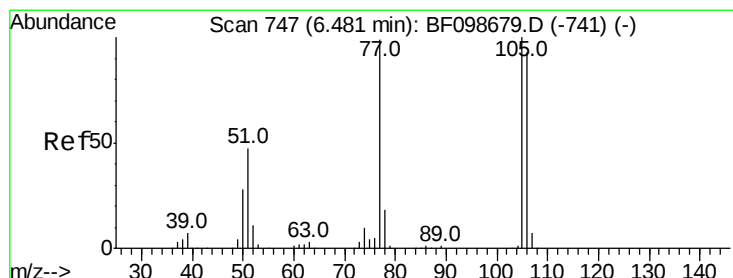
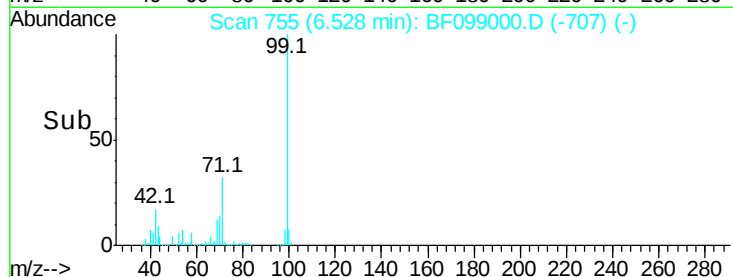
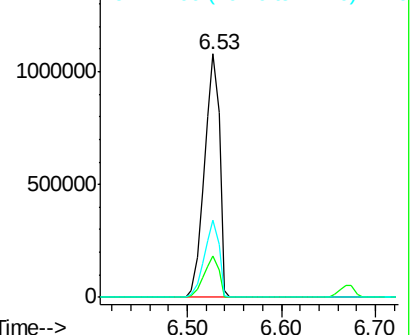
99 100

42 17.0 14.5 21.7

71 31.9 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: 3.697 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

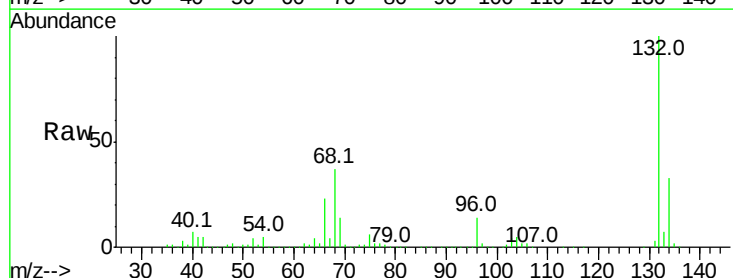
Tgt Ion: 77 Resp: 20927

Ion Ratio Lower Upper

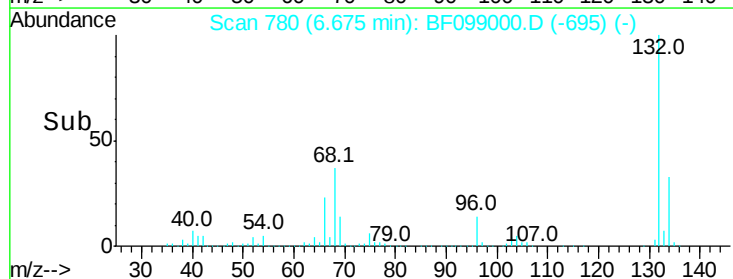
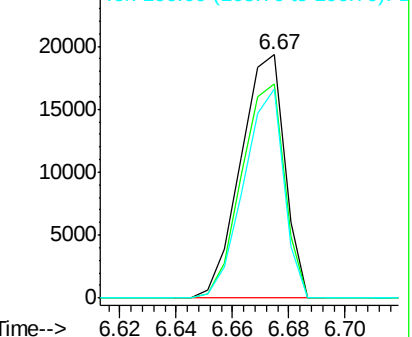
77 100

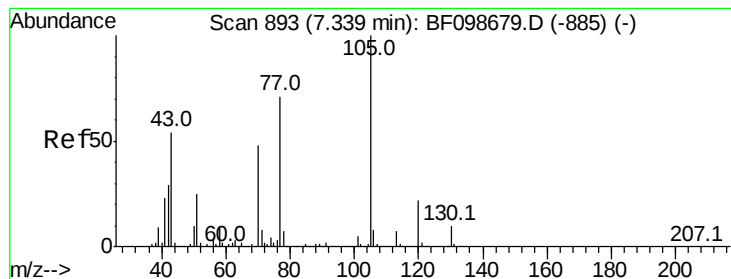
105 88.1 81.1 121.1

106 85.8 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: 15.377 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF099000.D

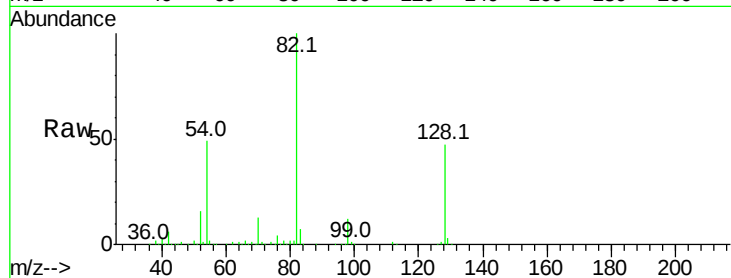
Acq: 2 Oct 2017 15:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	95804
Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

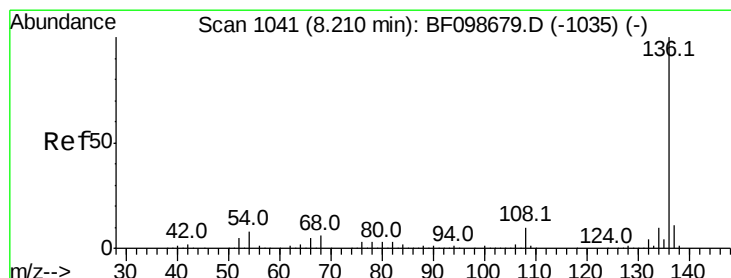
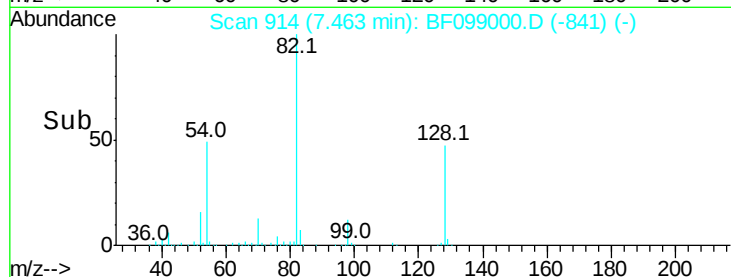
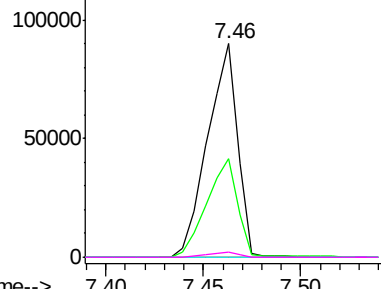


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

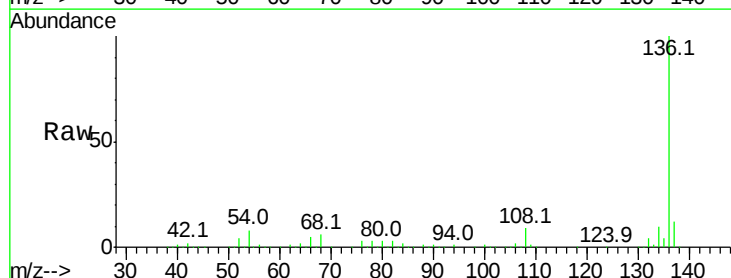
RT: 8.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

Tgt Ion:	136	Resp:	523133
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.9	6.6	9.8
68	6.1	5.0	7.4

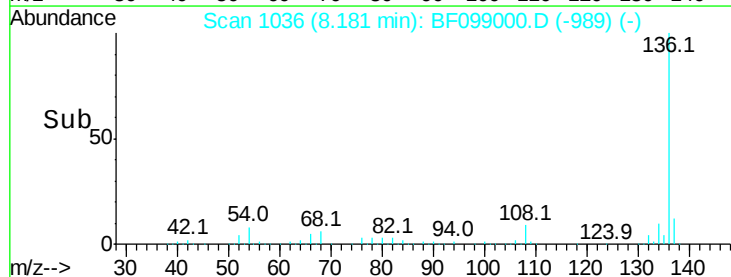
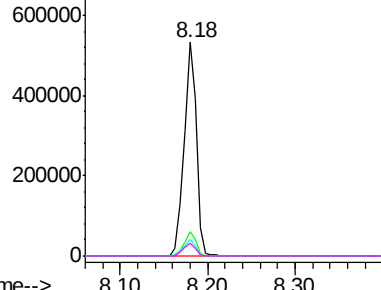


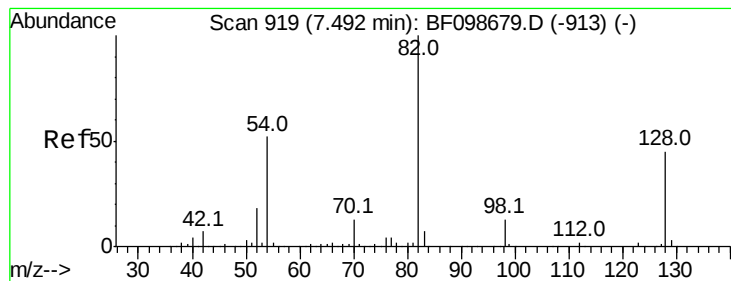
Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.708 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

Instrument :

BNA_F

ClientSampled :

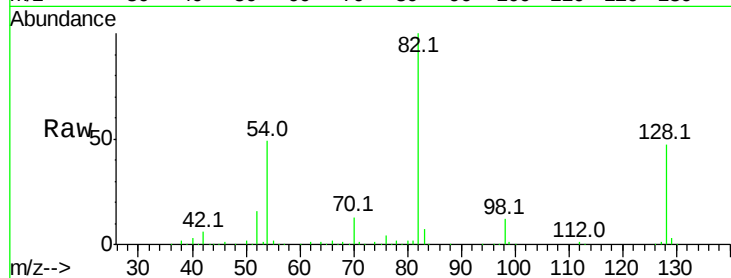
Tot Ion: 82 Resp: 748097

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

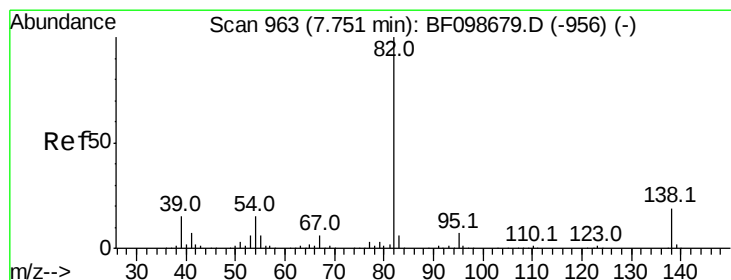
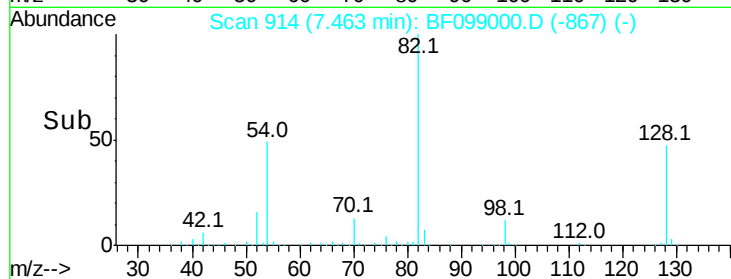
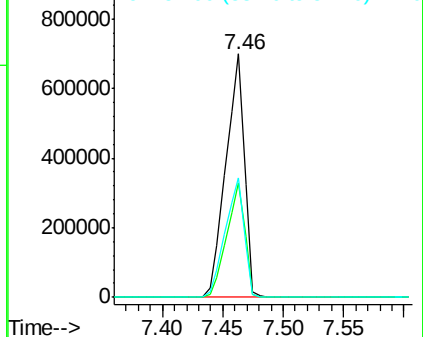
54 49.0 41.4 62.2



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: 44.149 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

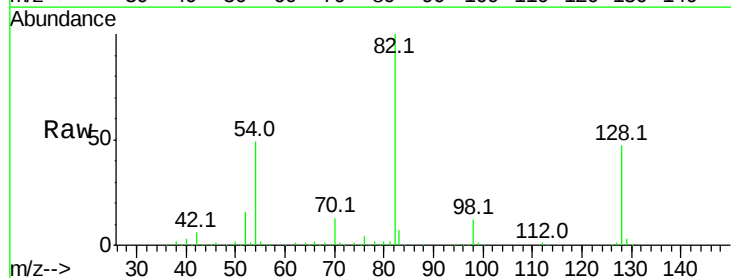
Tgt Ion: 82 Resp: 744591

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

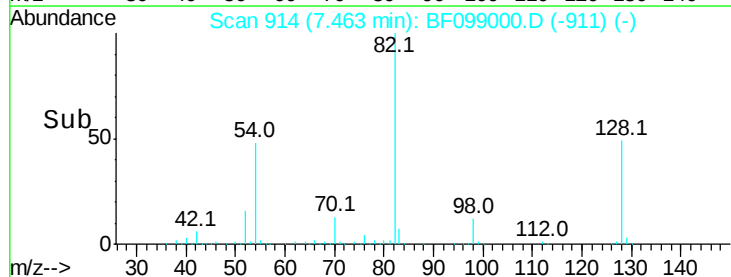
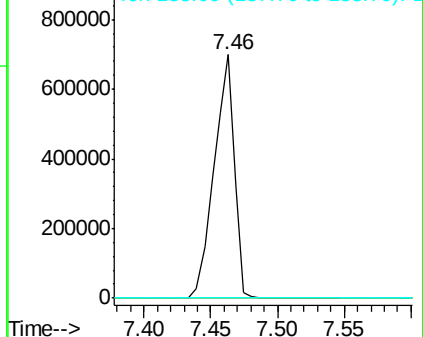
138 0.0 14.9 22.3#

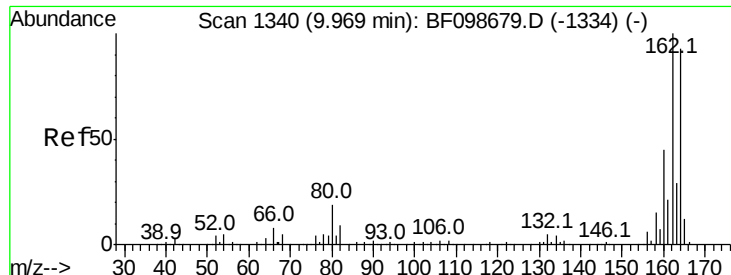


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

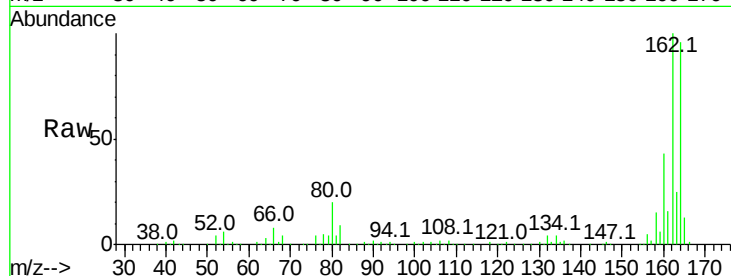




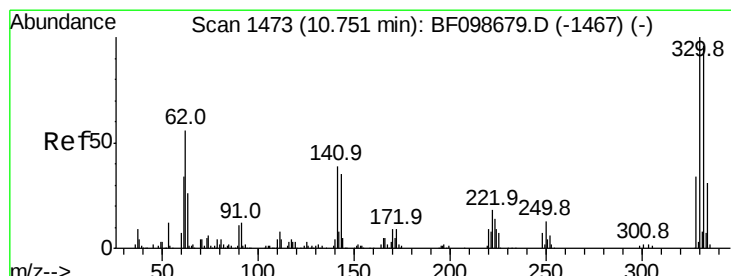
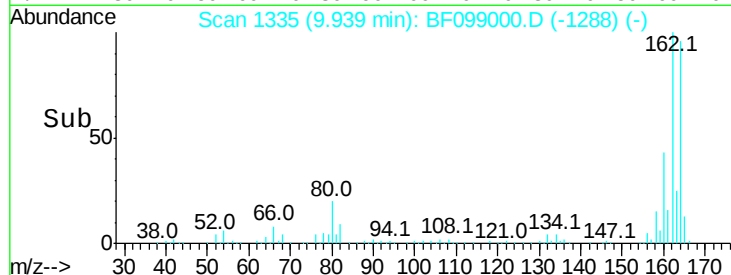
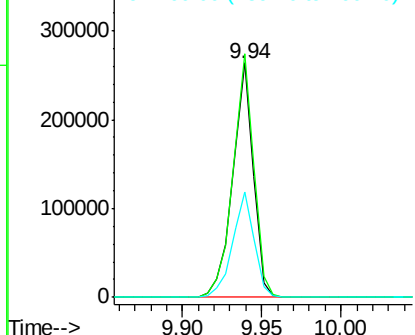
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 238839
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 45.2 38.3 57.5

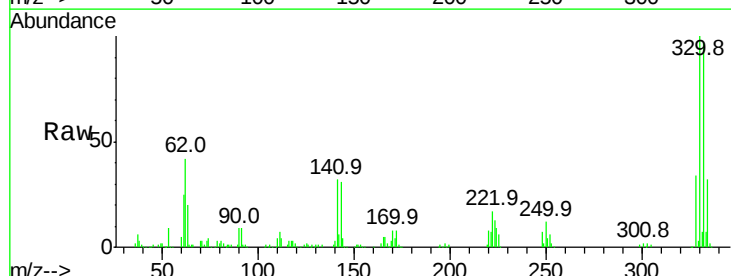


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

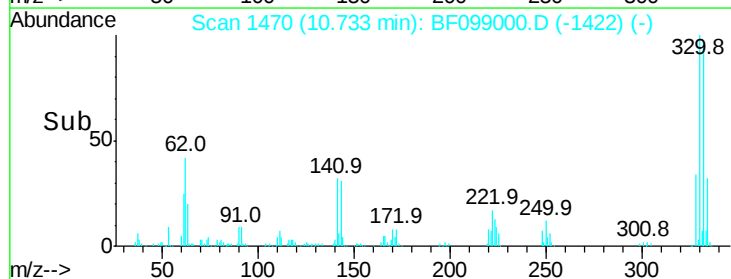
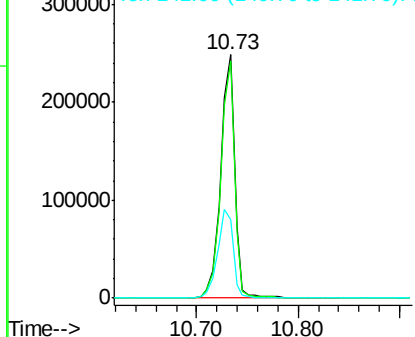


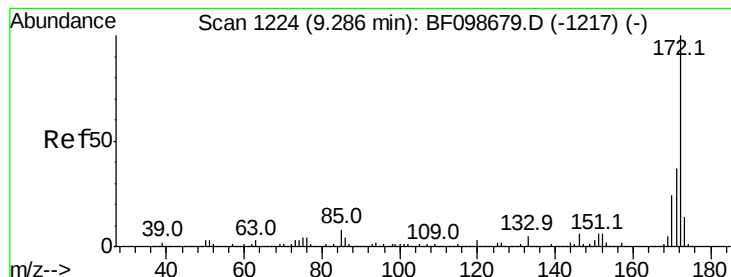
#41
2,4,6-Tribromophenol
Concen: 123.188 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Tgt Ion:330 Resp: 240752
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 40.5 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: 95.277 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

Instrument :

BNA_F

ClientSampleId :

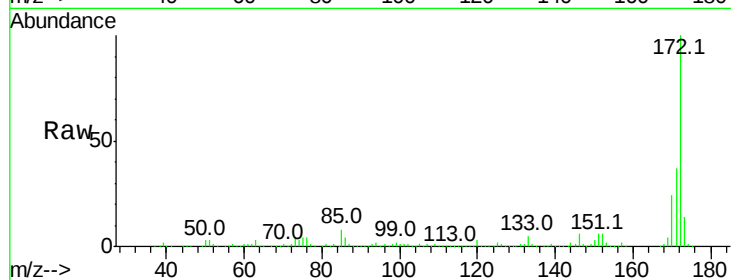
Tot Ion:172 Resp: 1363104

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

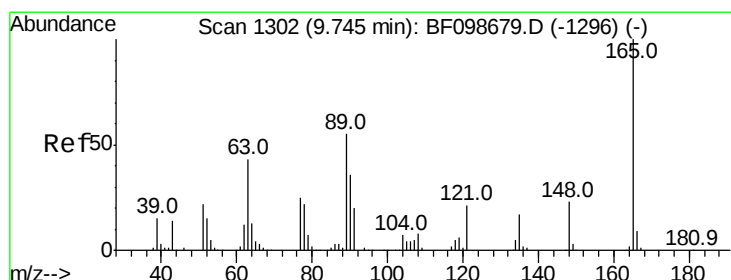
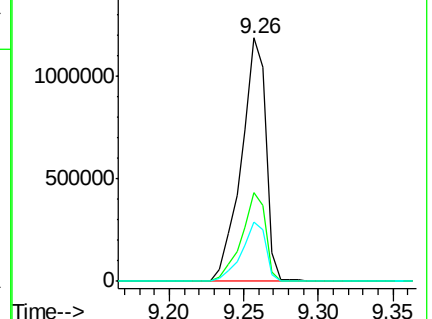
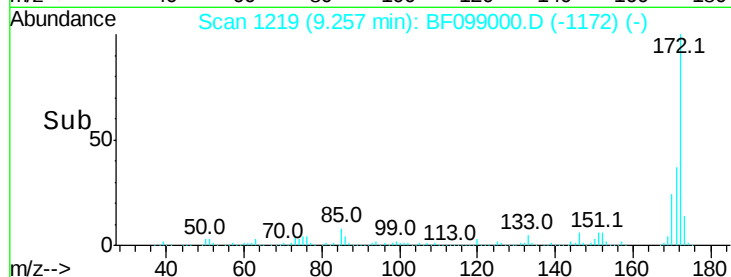
170 24.1 19.6 29.4



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: 7.735 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.20 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

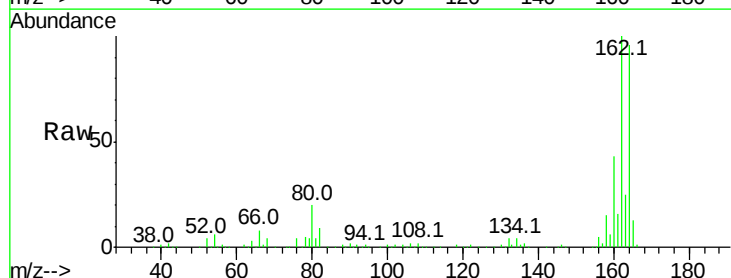
Tgt Ion:165 Resp: 30354

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

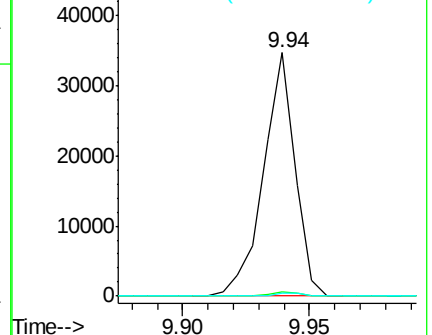
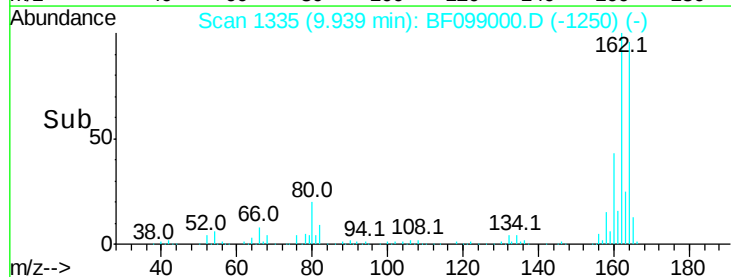
89 1.2 44.0 66.0#



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

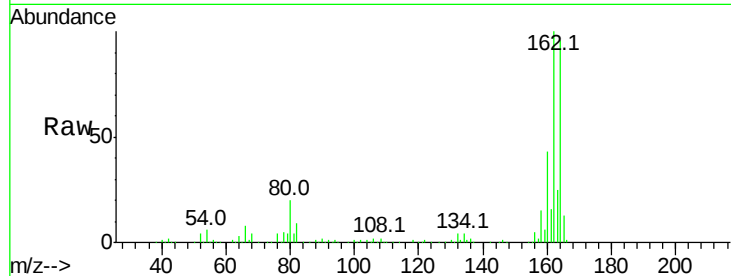




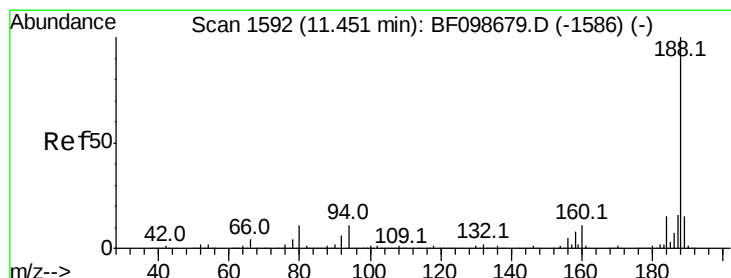
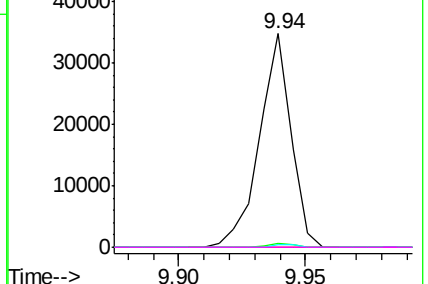
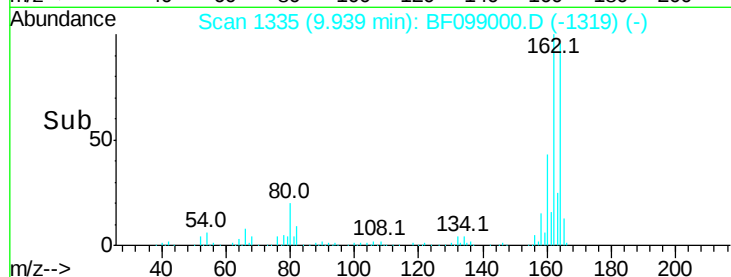
#56
 2,4-Dinitrotoluene
 Concen: 5.960 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.21 min
 Lab File: BF099000.D
 Acq: 2 Oct 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 30354
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

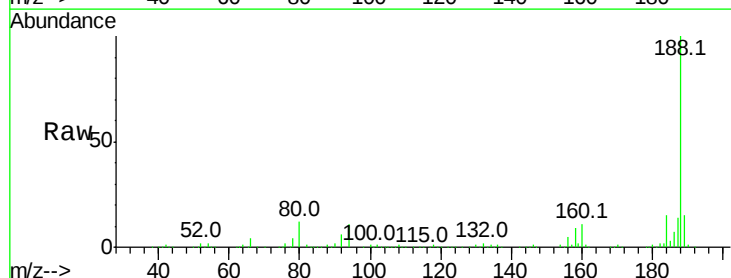


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

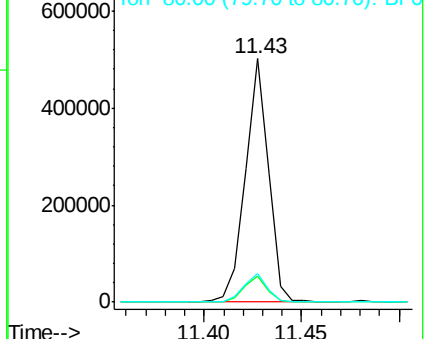
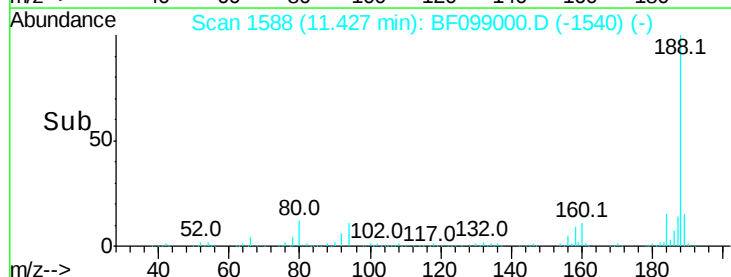


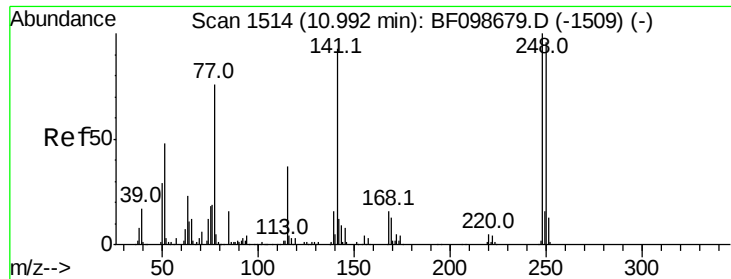
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.02 min
 Lab File: BF099000.D
 Acq: 2 Oct 2017 15:32

Tgt Ion:188 Resp: 411924
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.9 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

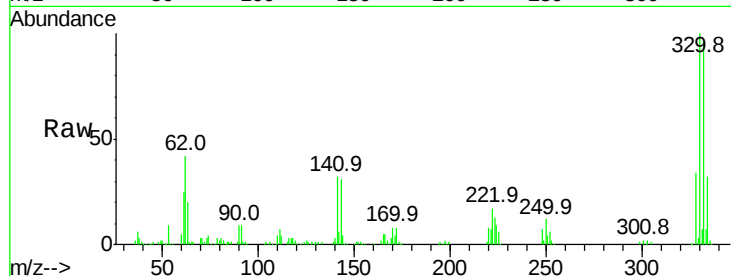




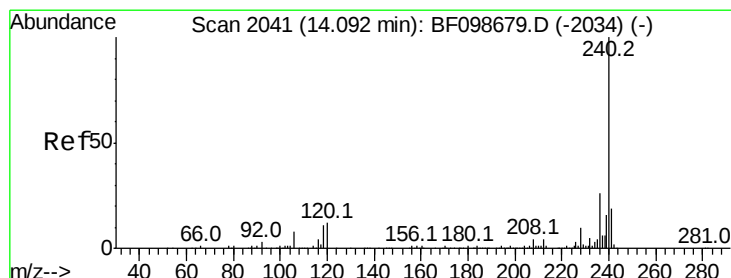
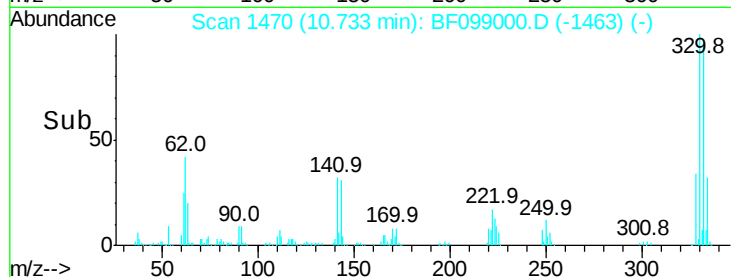
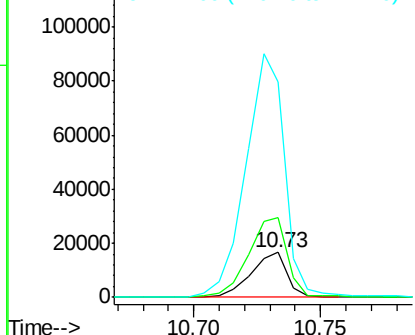
#66
4-Bromophenyl-phenylether
Concen: 4.058 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16363
Ion Ratio Lower Upper
248 100
250 178.0 76.9 115.3#
141 481.0 74.4 111.6#

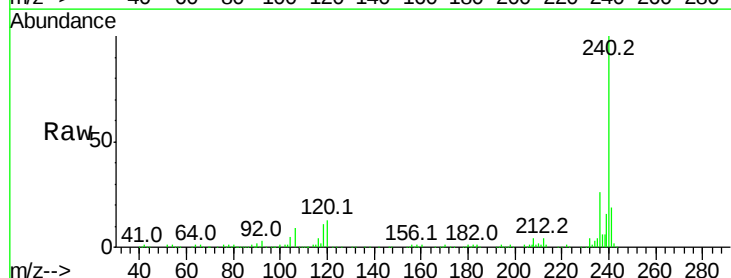


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

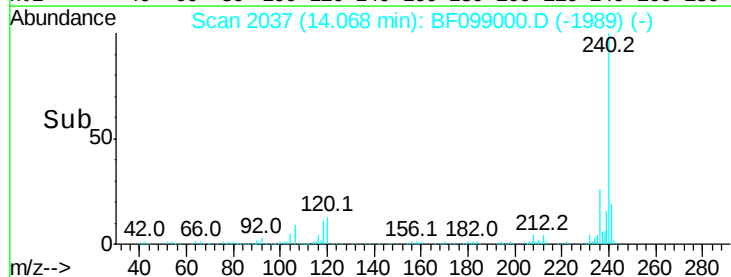
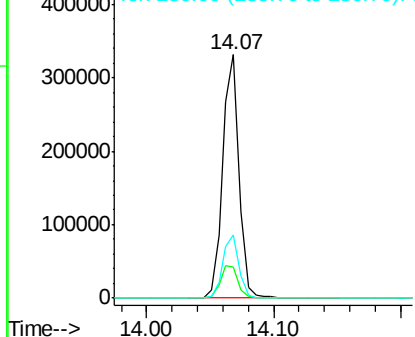


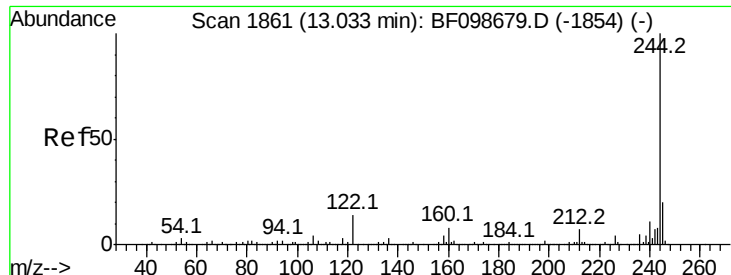
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF099000.D
Acq: 2 Oct 2017 15:32

Tgt Ion:240 Resp: 297719
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 26.1 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: 85.905 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

Instrument :

BNA_F

ClientSampleId :

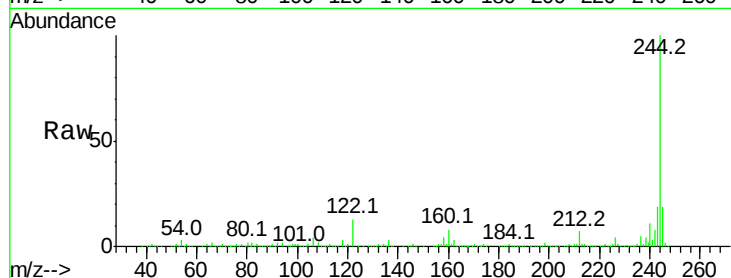
Tot Ion:244 Resp: 1124593

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

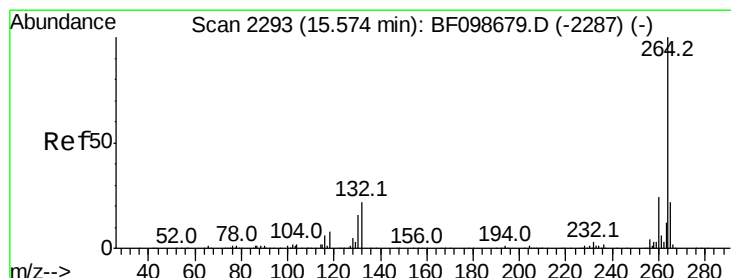
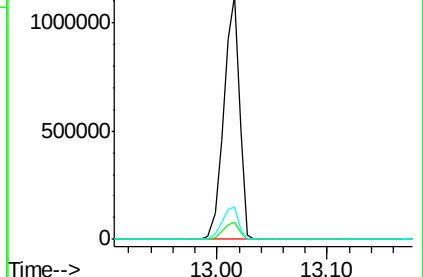
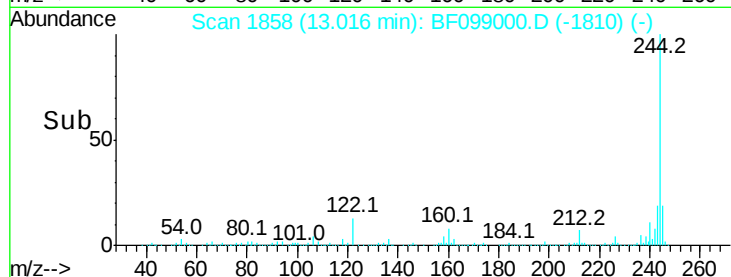
122 13.5 11.0 16.4



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: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF099000.D

Acq: 2 Oct 2017 15:32

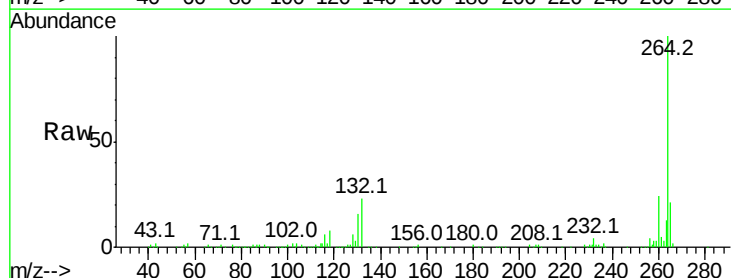
Tgt Ion:264 Resp: 237494

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.5 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

