

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
 Data File : BF100001.D
 Acq On : 31 Oct 2017 14:32
 Operator : SJ/JU
 Sample : I6166-04RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 16:53:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 16:51:57 2017
 Response via : Initial Calibration

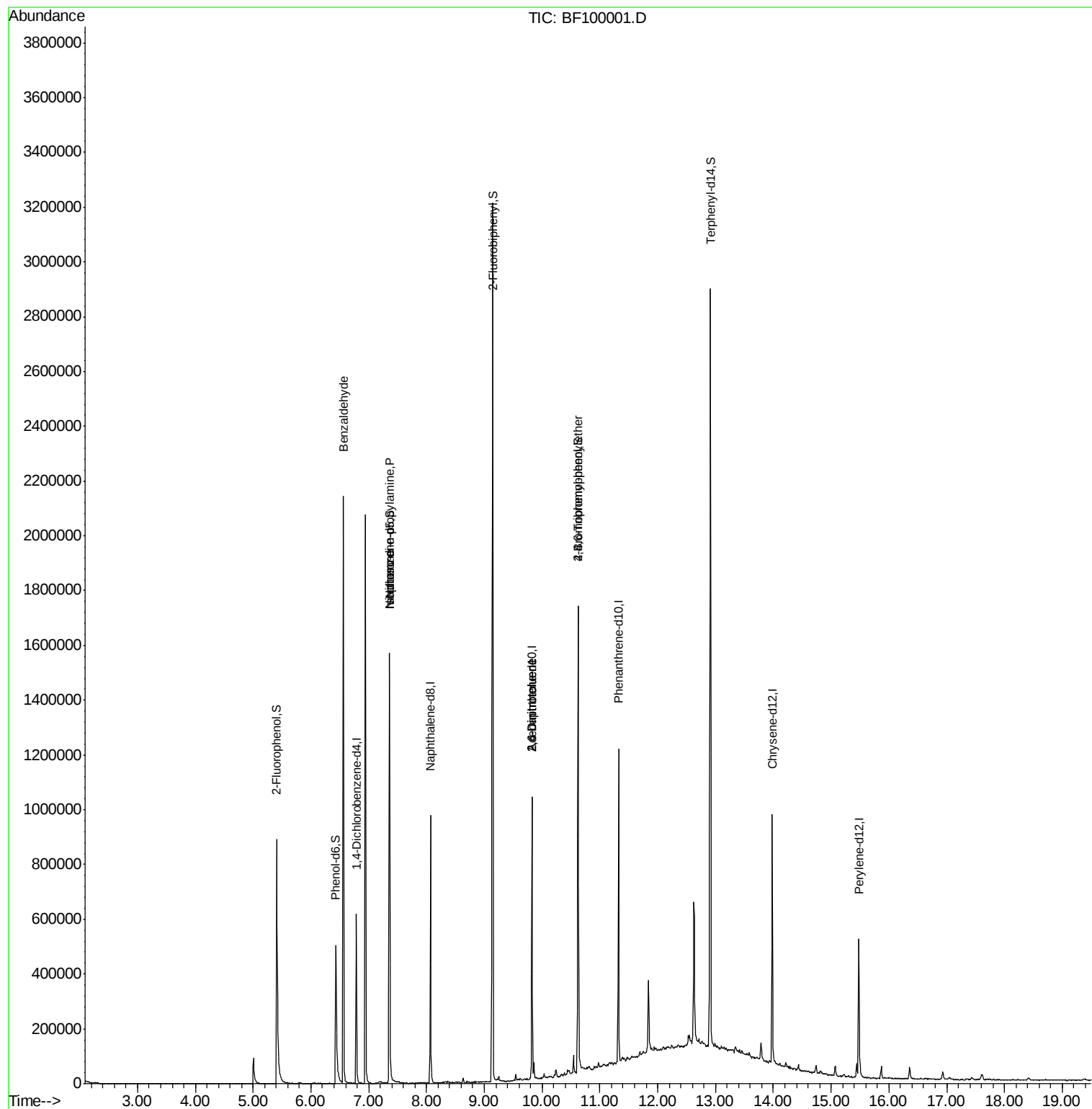
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	104917	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	450330	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	222922	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	413413	20.00	ng	0.00
75) Chrysene-d12	13.98	240	325823	20.00	ng	0.00
86) Perylene-d12	15.48	264	245827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	377470	56.48	ng	0.00
7) Phenol-d6	6.43	99	279517	35.28	ng	0.00
23) Nitrobenzene-d5	7.36	82	606079	86.65	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	257605	126.80	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1253591	86.76	ng	0.00
78) Terphenyl-d14	12.92	244	1146802	76.92	ng	0.01
Target Compounds						
9) Benzaldehyde	6.56	77	12103	2.556	ng	91
19) n-Nitroso-di-n-propylamine	7.36	70	74752	16.098	ng	# 71
25) Isophorone	7.36	82	606124	47.754	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	28730	7.741	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	28730	6.428	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	16191	3.720	ng	# 1

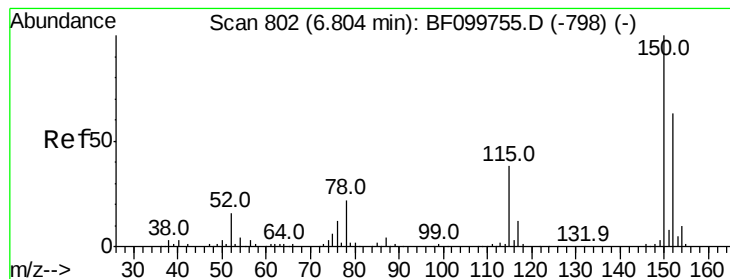
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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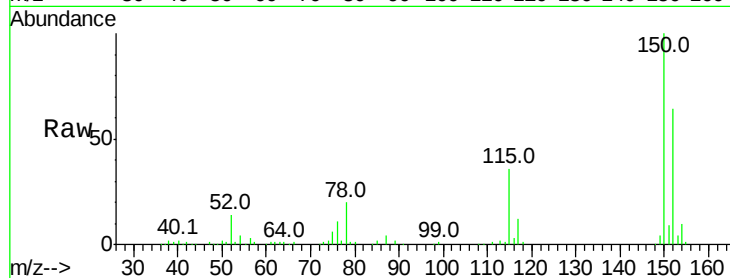


#1

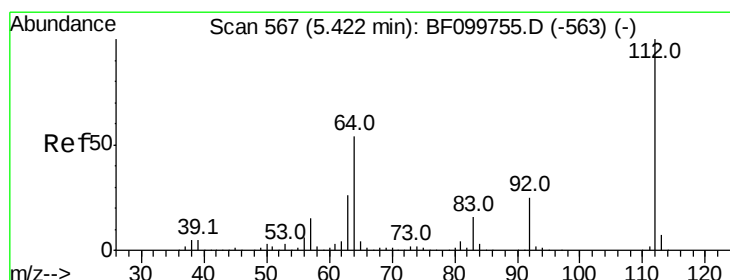
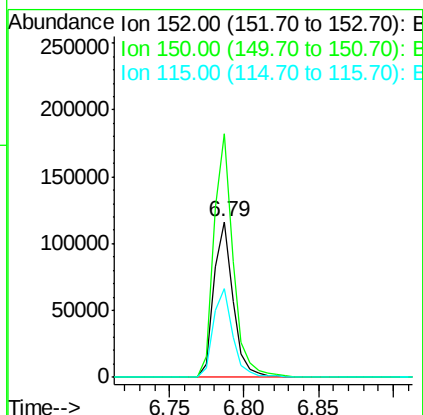
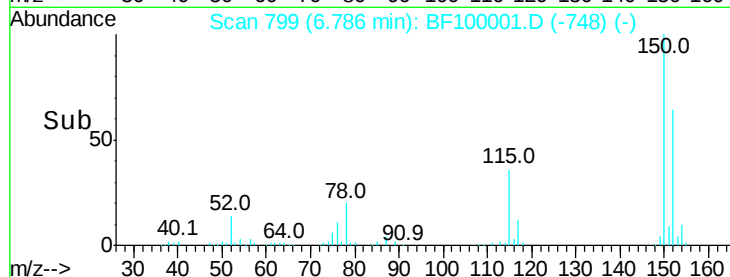
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF100001.D
Acq: 31 Oct 2017 14:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104917
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 56.8 50.1 75.1



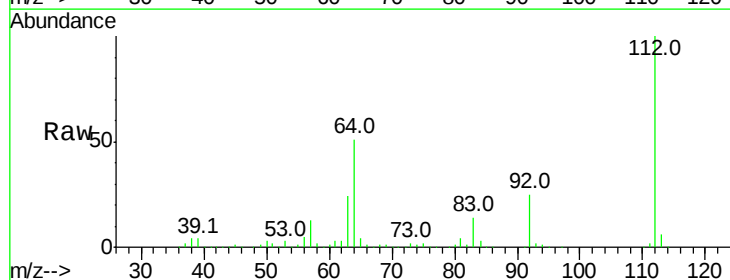
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



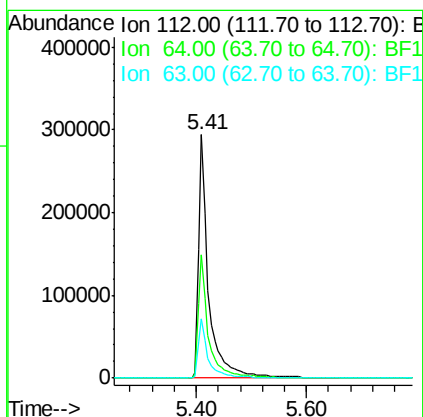
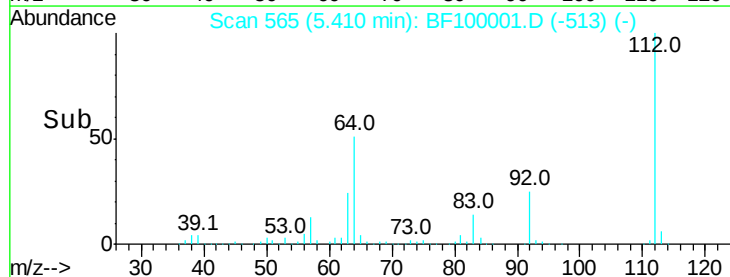
#5

2-Fluorophenol
Concen: 56.484 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF100001.D
Acq: 31 Oct 2017 14:32

Tgt Ion:112 Resp: 377470
Ion Ratio Lower Upper
112 100
64 50.6 47.9 71.9
63 24.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.275 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

Instrument :

BNA_F

ClientSampleId :

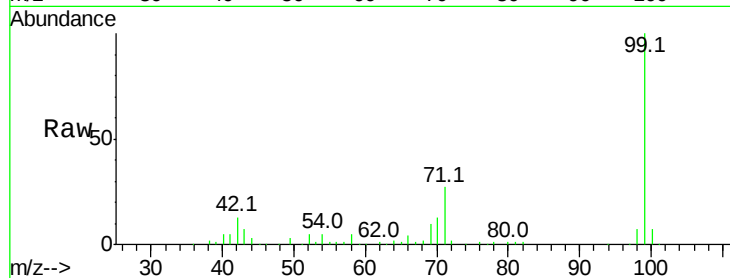
Tot Ion: 99 Resp: 279517

Ion Ratio Lower Upper

99 100

42 12.9 14.5 21.7#

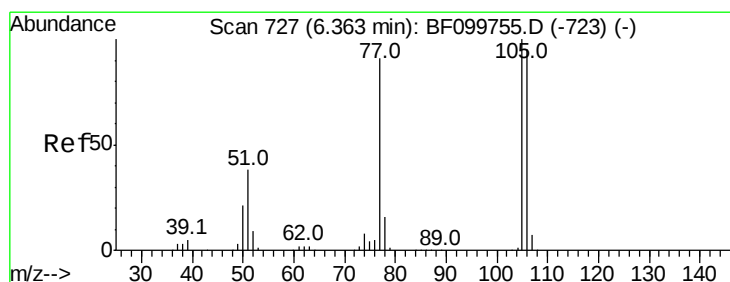
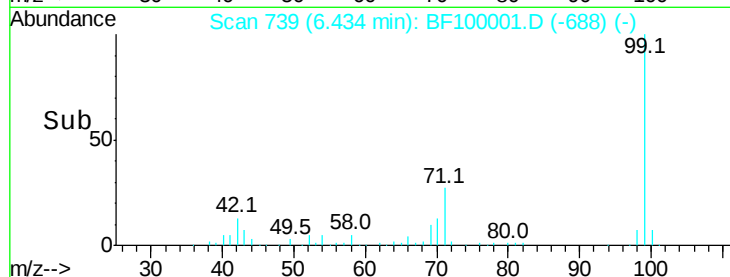
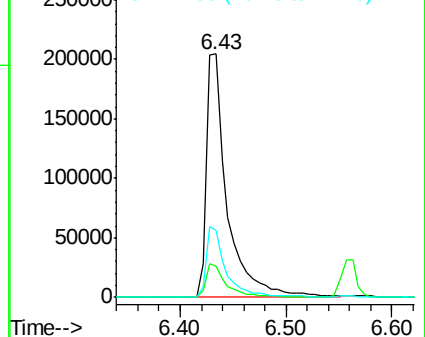
71 27.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.556 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

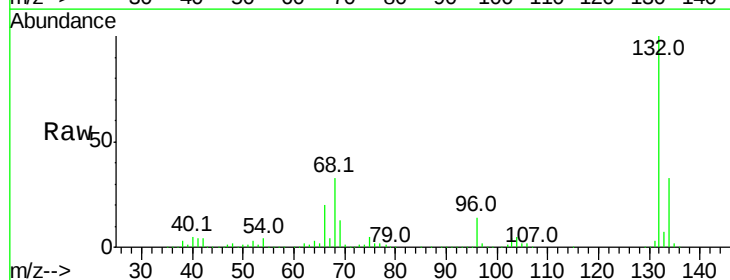
Tgt Ion: 77 Resp: 12103

Ion Ratio Lower Upper

77 100

105 90.4 81.1 121.1

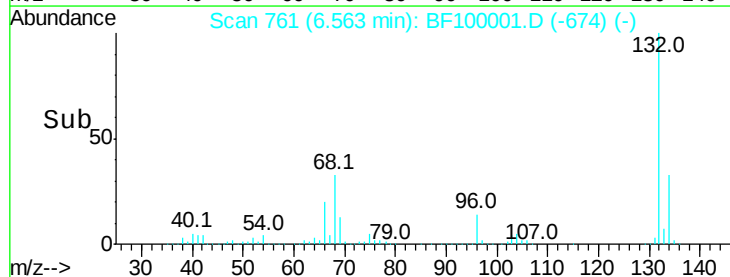
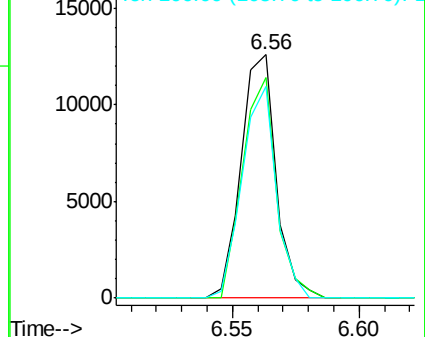
106 86.9 74.5 114.5

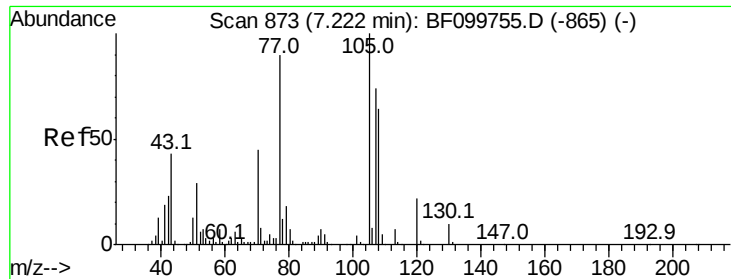


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

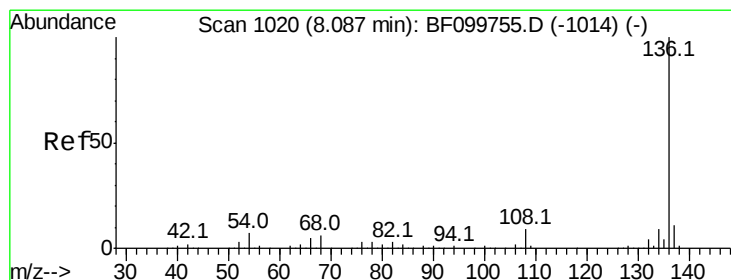
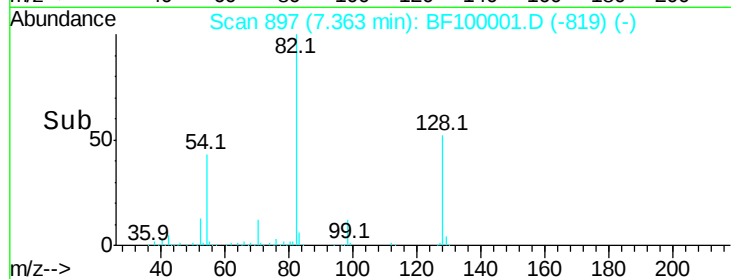
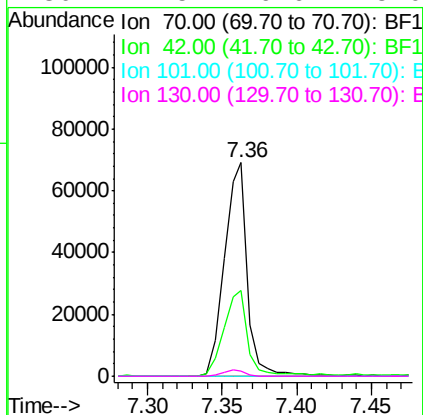
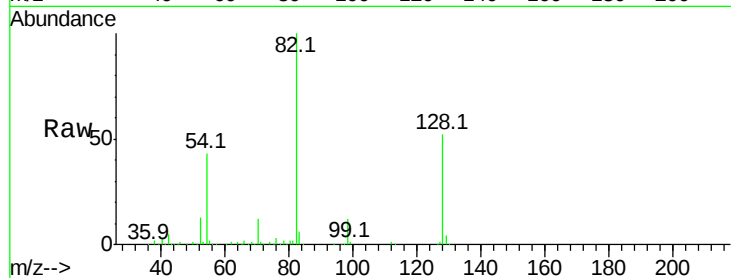




#19
n-Nitroso-di-n-propylamine
Concen: 16.098 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.16 min
Lab File: BF100001.D
Acq: 31 Oct 2017 14:32

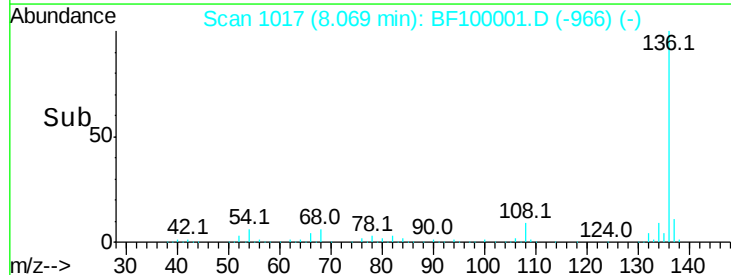
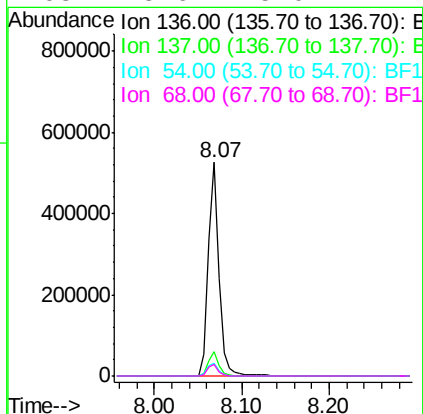
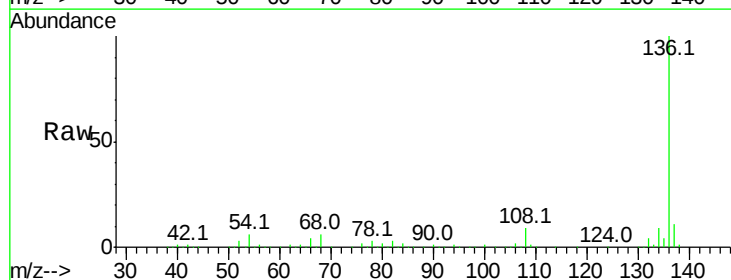
Instrument :
BNA_F
ClientSampleId :

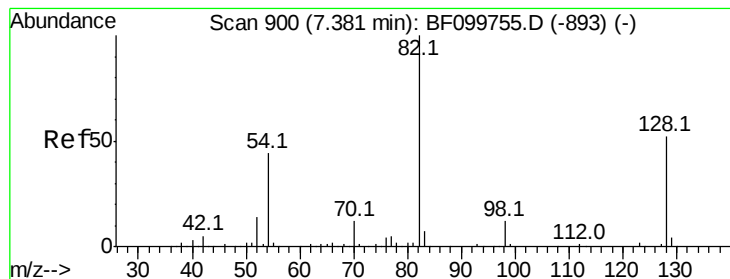
Tot Ion: 70 Resp: 74752
Ion Ratio Lower Upper
70 100
42 39.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF100001.D
Acq: 31 Oct 2017 14:32

Tgt Ion:136 Resp: 450330
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.1 6.6 9.8#
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 86.647 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

Instrument :

BNA_F

ClientSampleId :

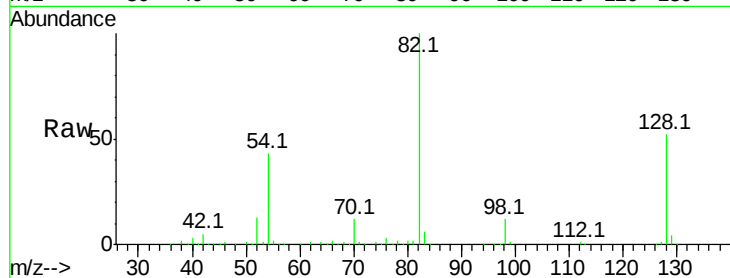
Tot Ion: 82 Resp: 606079

Ion Ratio Lower Upper

82 100

128 52.2 36.1 54.1

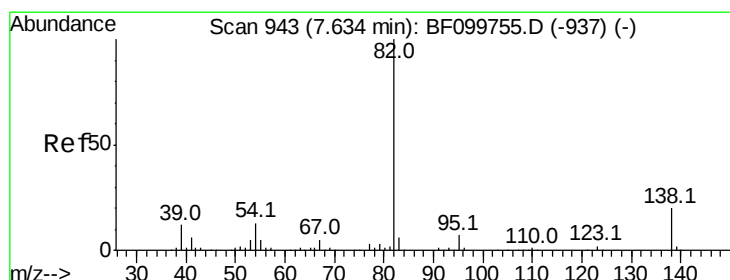
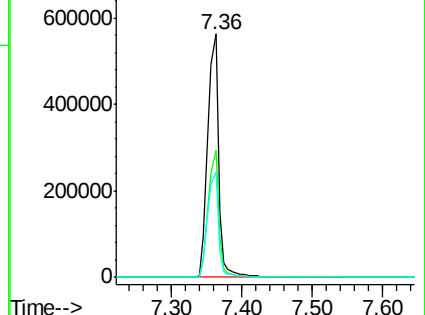
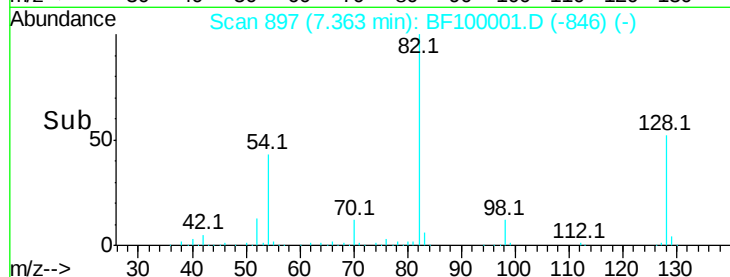
54 43.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 47.754 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

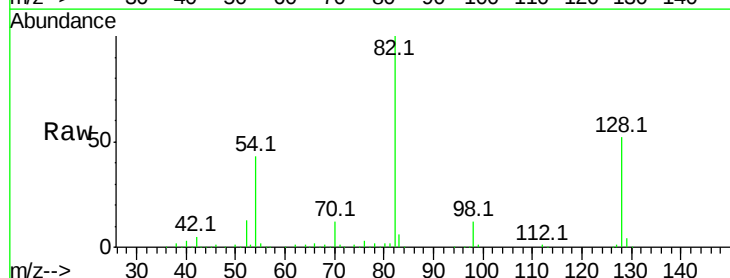
Tgt Ion: 82 Resp: 606124

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

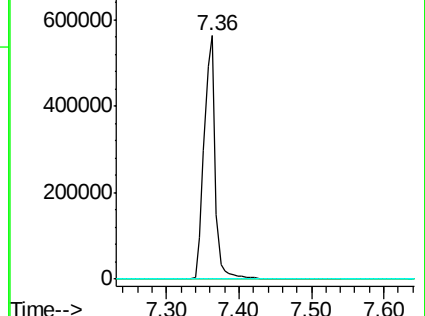
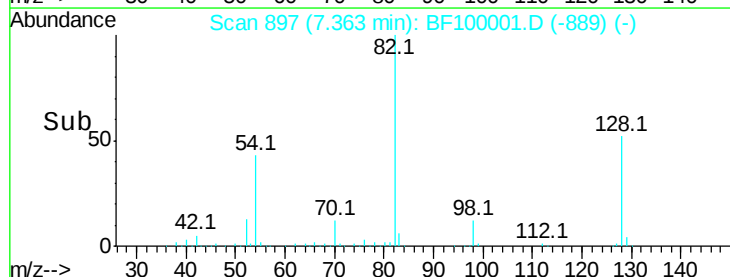
138 0.0 14.9 22.3#

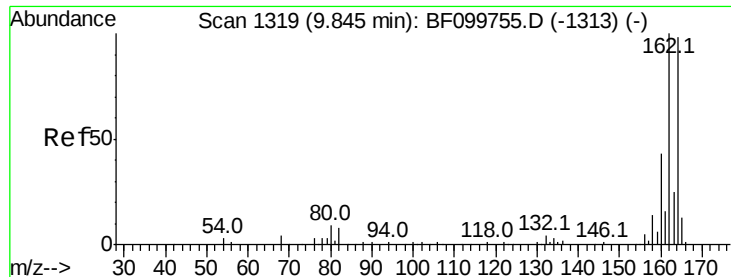


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

Instrument :

BNA_F

ClientSampleId :

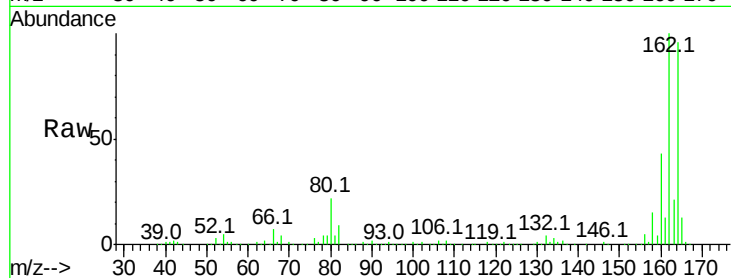
Tot Ion:164 Resp: 222922

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

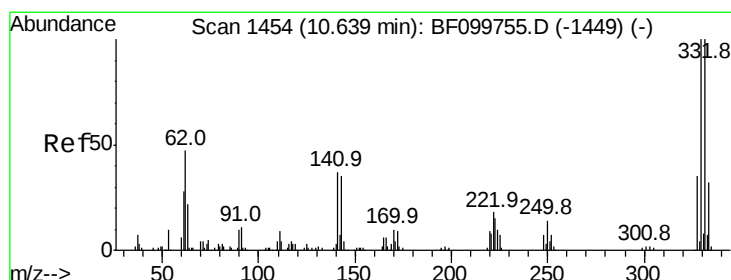
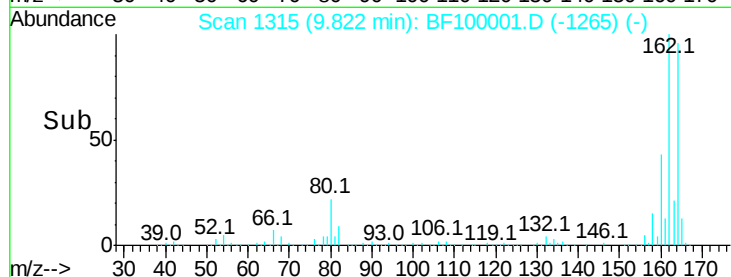
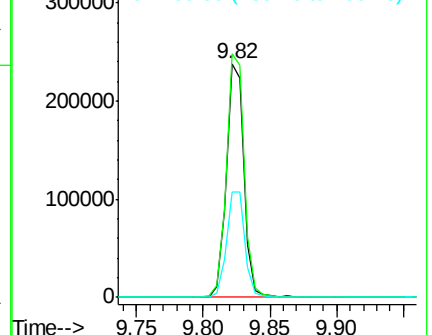
160 45.2 38.3 57.5



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: 126.804 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

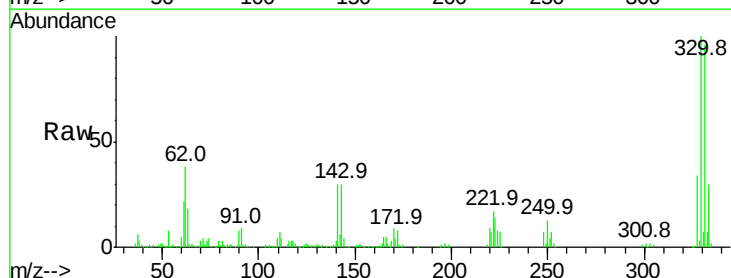
Tgt Ion:330 Resp: 257605

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

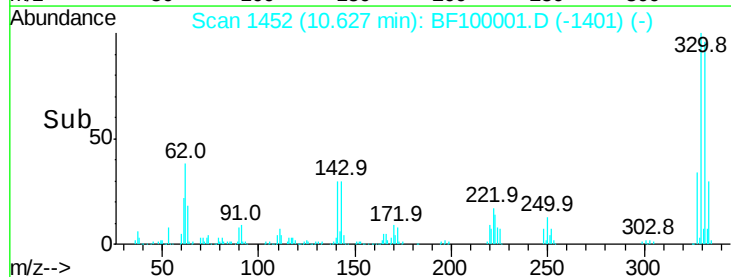
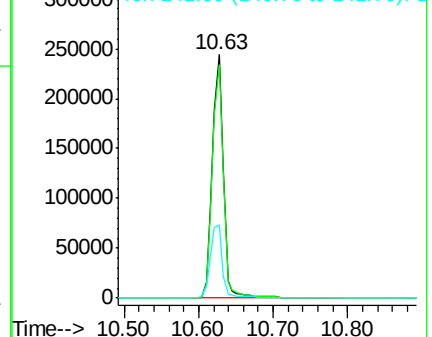
141 32.0 29.9 44.9



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

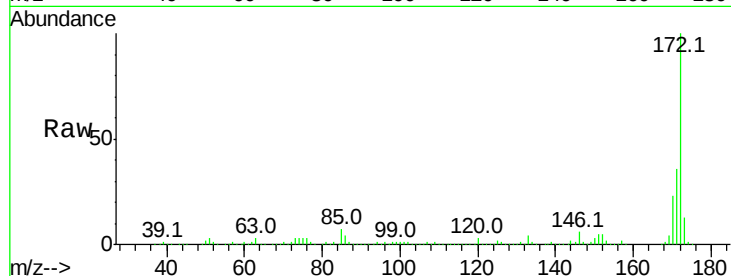




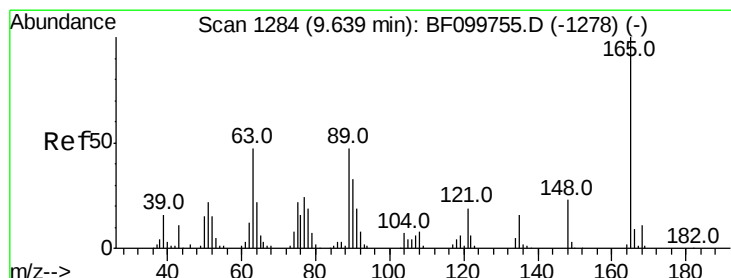
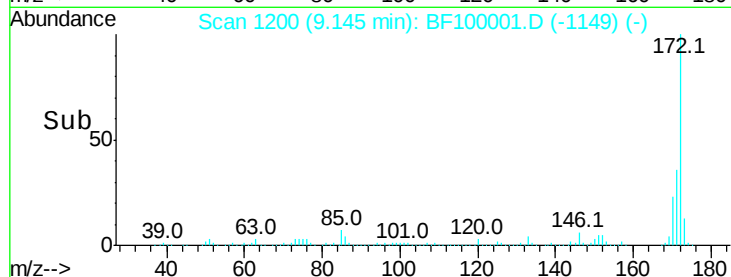
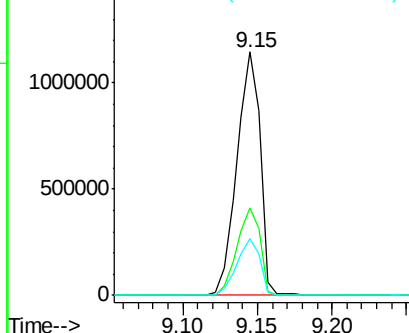
#44
 2-Fluorobiphenyl
 Concen: 86.761 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1253591
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.5 19.6 29.4

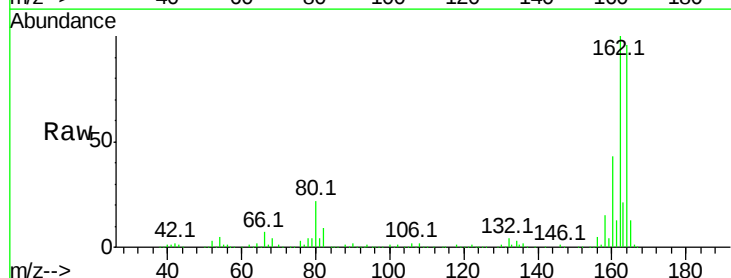


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

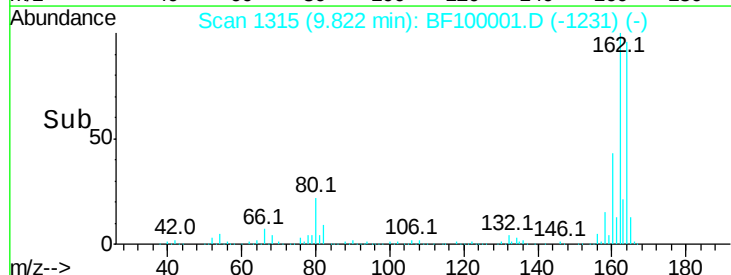
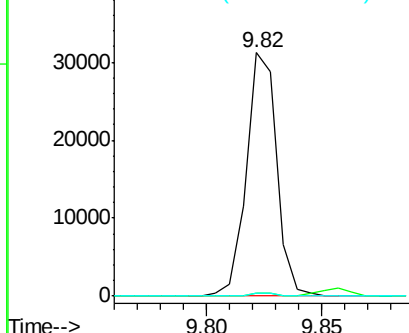


#50
 2,6-Dinitrotoluene
 Concen: 7.741 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

Tgt Ion:165 Resp: 28730
 Ion Ratio Lower Upper
 165 100
 63 1.2 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): BF1
 Ion 89.00 (88.70 to 89.70): BF1

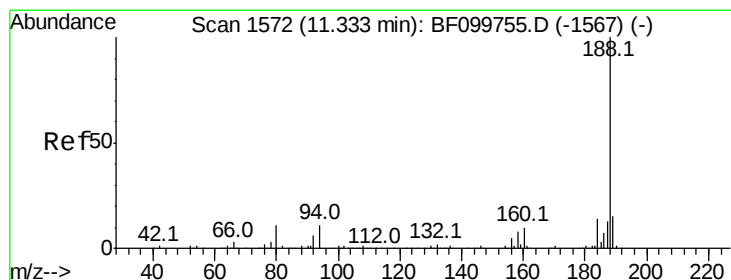
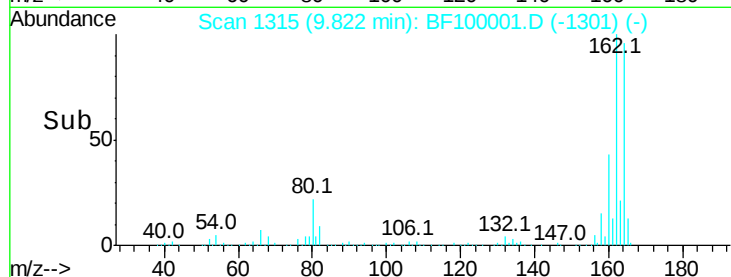
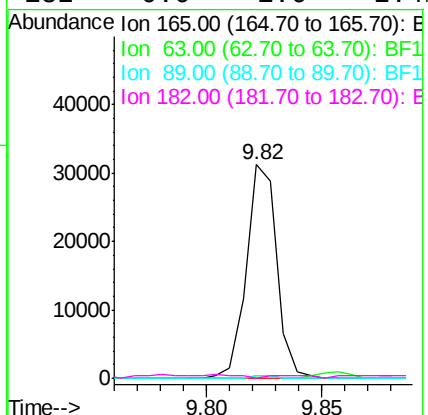
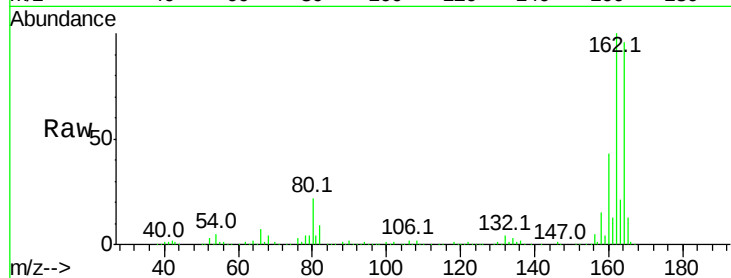




#56
 2,4-Dinitrotoluene
 Concen: 6.428 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

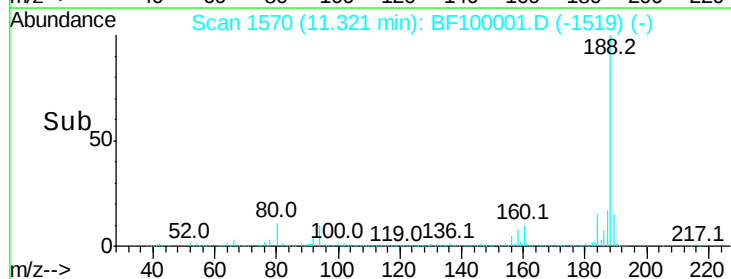
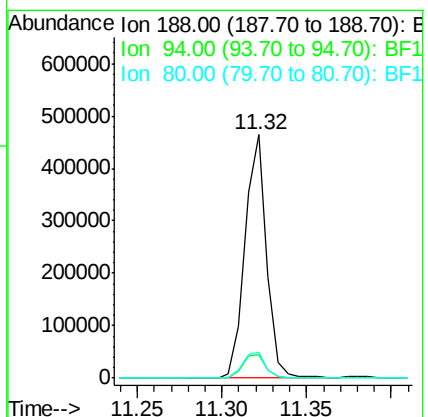
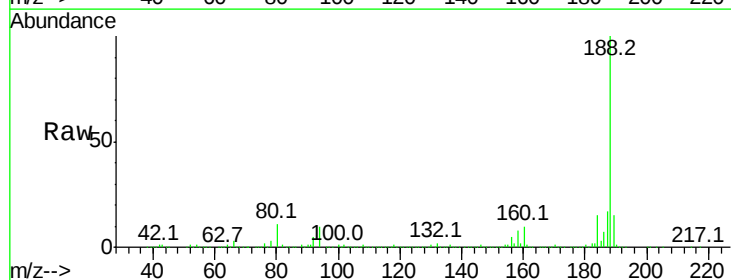
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.6	9.2	13.8

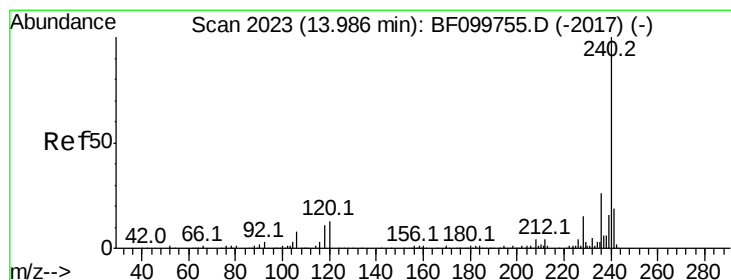
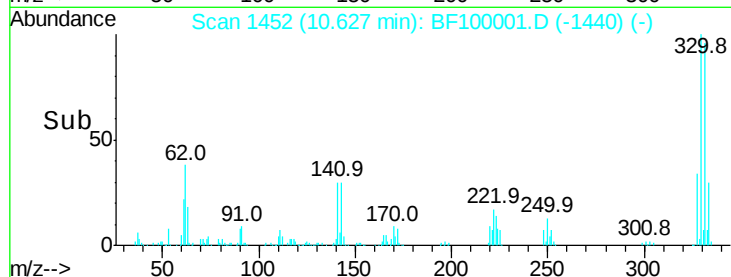
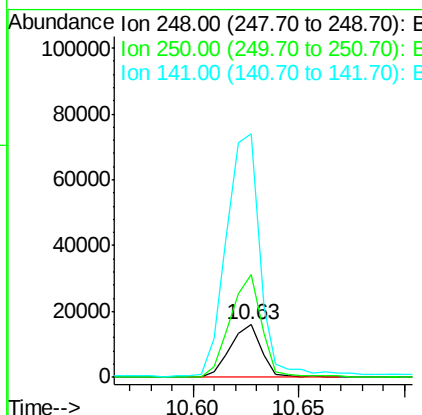
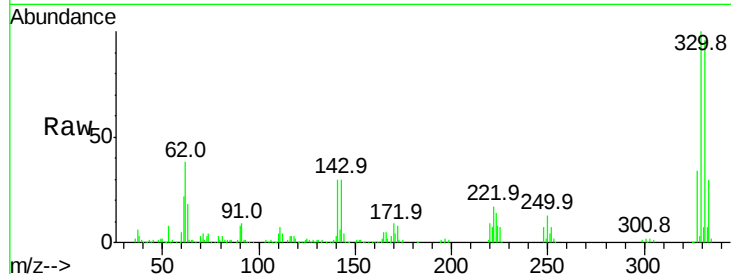




#66
 4-Bromophenyl-phenylether
 Concen: 3.720 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.23 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

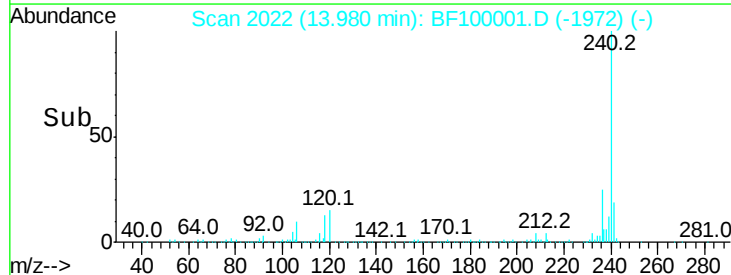
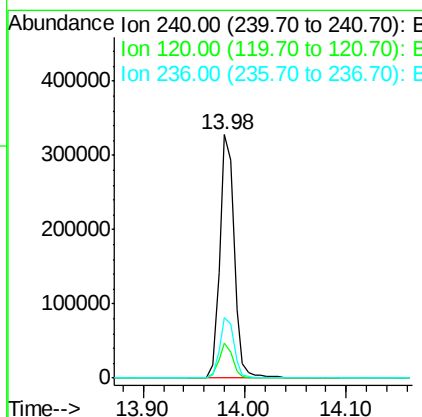
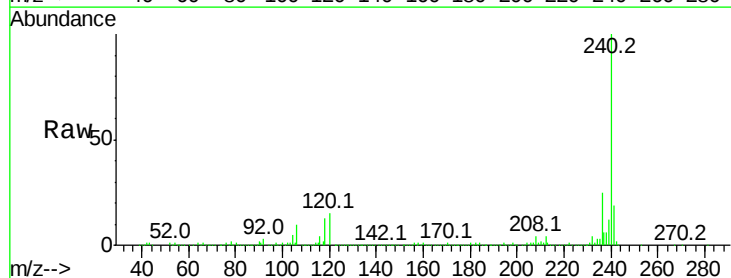
Instrument :
 BNA_F
 ClientSampled :

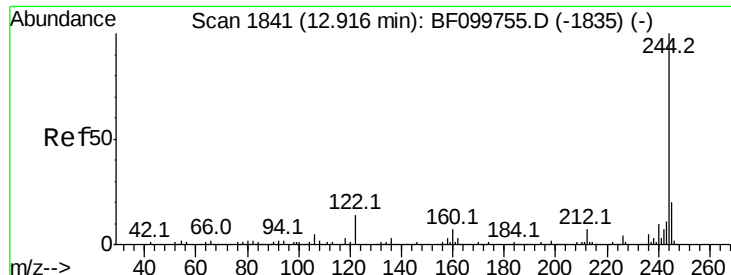
Tot Ion:248 Resp: 16191
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 463.0 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF100001.D
 Acq: 31 Oct 2017 14:32

Tgt Ion:240 Resp: 325823
 Ion Ratio Lower Upper
 240 100
 120 14.6 9.5 14.3#
 236 25.0 20.7 31.1





#78

Terphenyl-d14

Concen: 76.919 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

Instrument :

BNA_F

ClientSampleId :

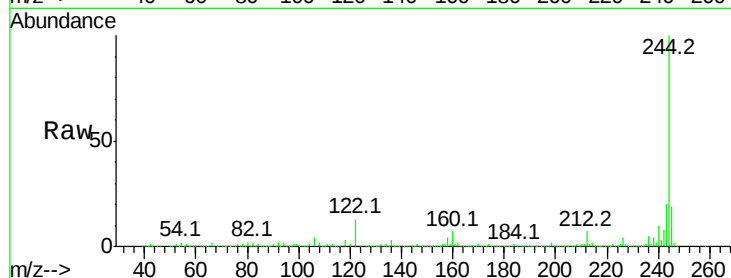
Tot Ion:244 Resp: 1146802

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

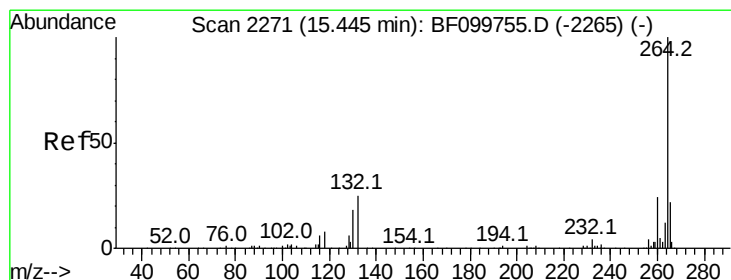
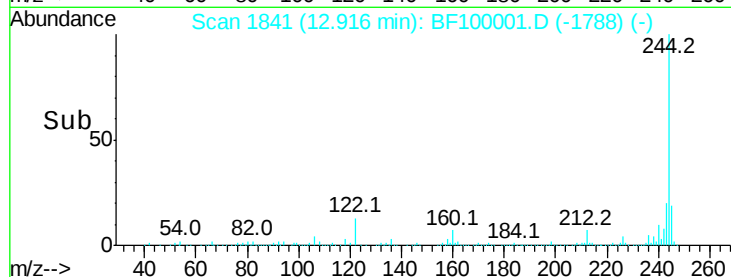
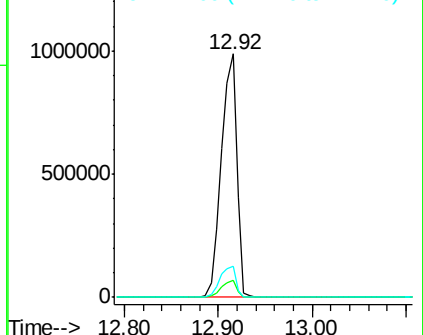
122 12.6 11.0 16.4



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: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF100001.D

Acq: 31 Oct 2017 14:32

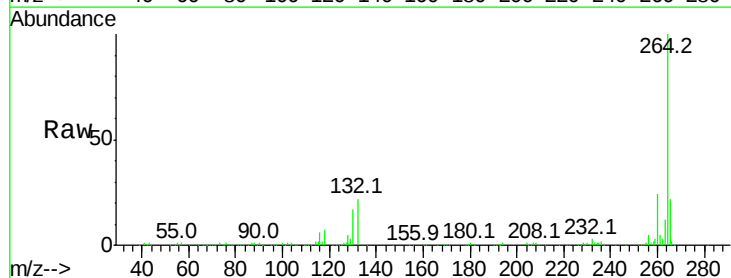
Tgt Ion:264 Resp: 245827

Ion Ratio Lower Upper

264 100

260 23.7 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

