

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100053.D
 Acq On : 1 Nov 2017 19:30
 Operator : SJ/JU
 Sample : I6233-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 01:38:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	88924	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	348265	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	153761	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	245685	20.00	ng	0.05
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.97
86) Perylene-d12	0.00	264	0	0.00	ng	-15.46
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	579638	102.34	ng	0.01
7) Phenol-d6	6.43	99	686766	102.26	ng	0.00
23) Nitrobenzene-d5	7.35	82	390208	72.13	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	143437	102.36	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	787827	79.05	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
9) Benzaldehyde	6.55	77	10525	2.623	ng	89
19) n-Nitroso-di-n-propylamine	7.35	70	47849	12.158	ng	# 70
25) Isophorone	7.35	82	390208	39.753	ng	# 64
48) Acenaphthylene	9.69	152	57532	3.698	ng	98
49) Dimethylphthalate	9.54	163	137590	11.300	ng	99
56) 2,4-Dinitrotoluene	9.82	165	19152	6.213	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	9385	3.629	ng	# 1
70) Phenanthrene	11.39	178	244222	17.614	ng	99
71) Anthracene	11.45	178	97857	6.953	ng	97
74) Fluoranthene	12.77	202	462475	32.096	ng	98

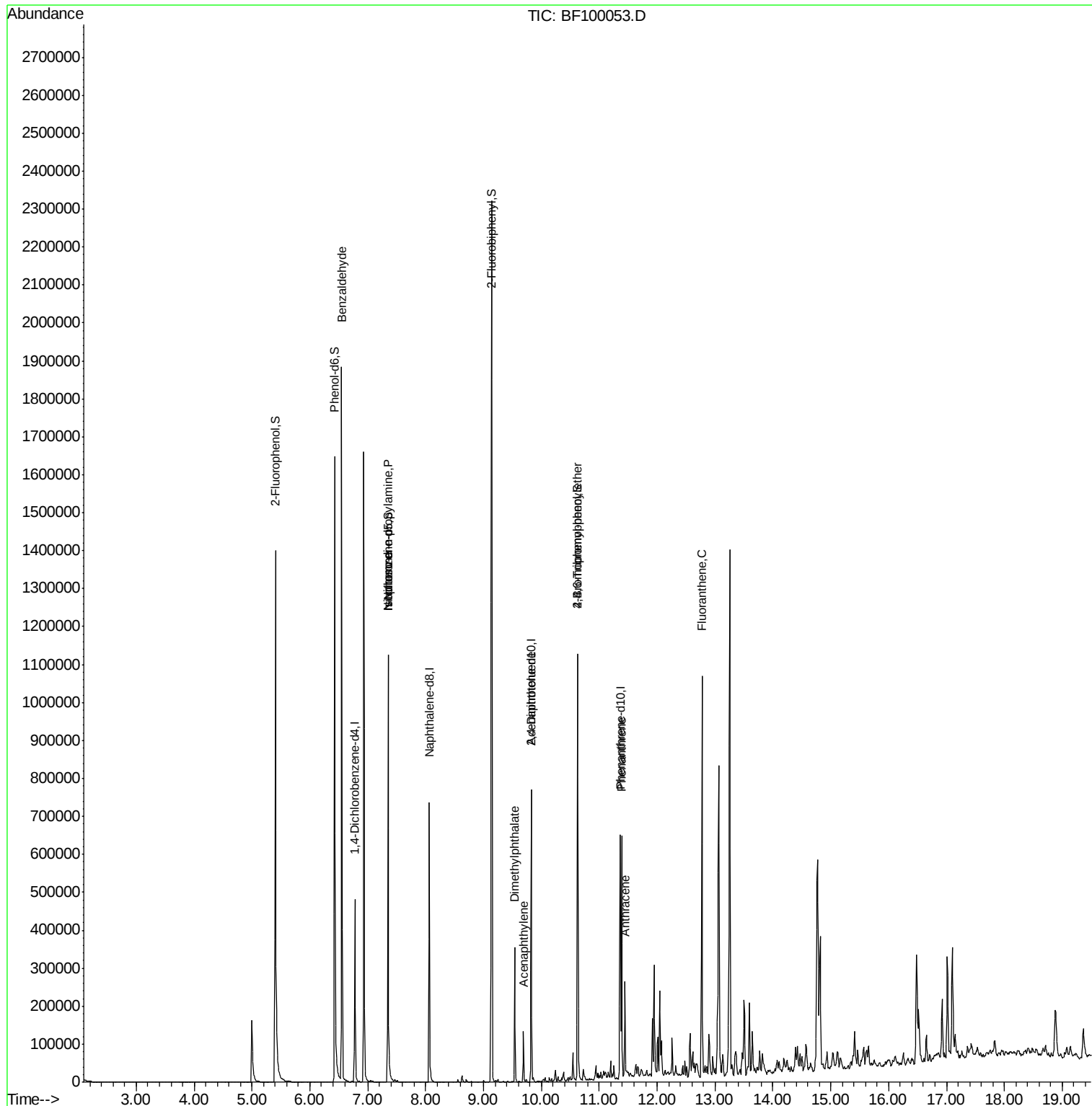
(#) = qualifier out of range (m) = manual integration (+) = signals summed

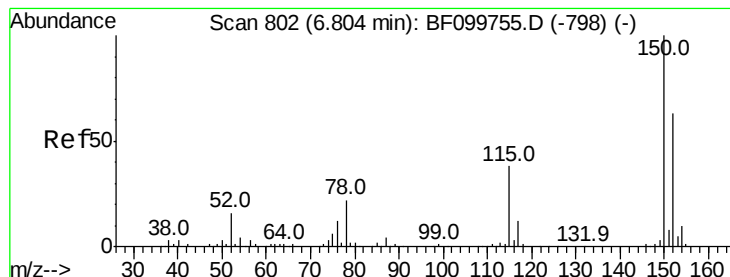
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ALS Vial  : 11      Sample Multiplier: 1

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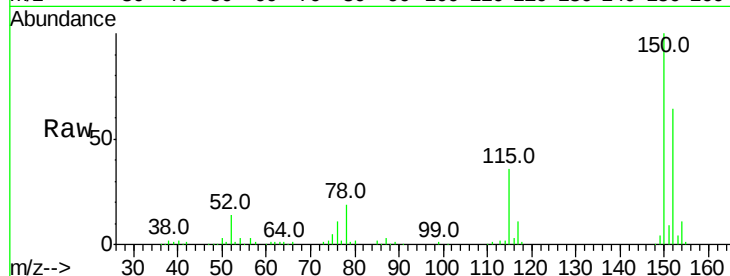


#1

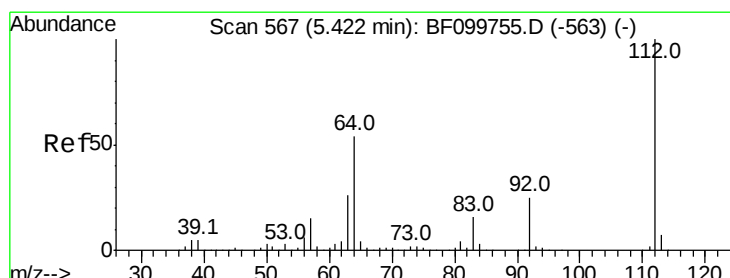
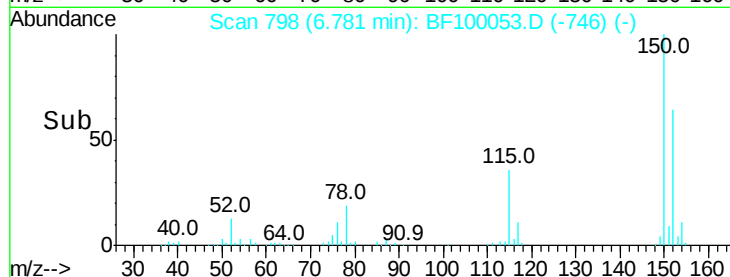
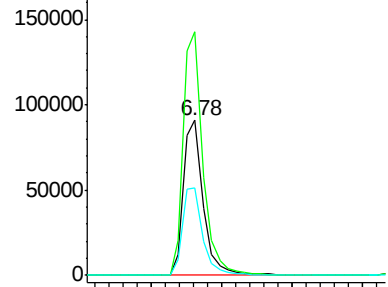
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.01 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88924
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 56.7 50.1 75.1



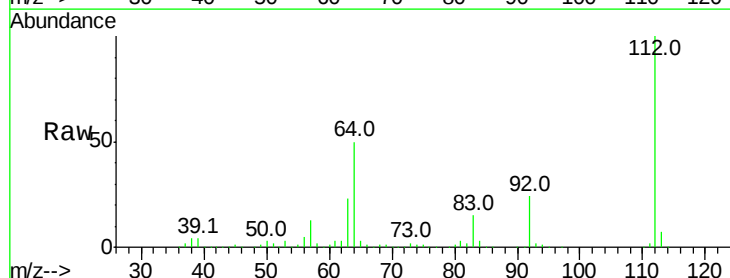
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



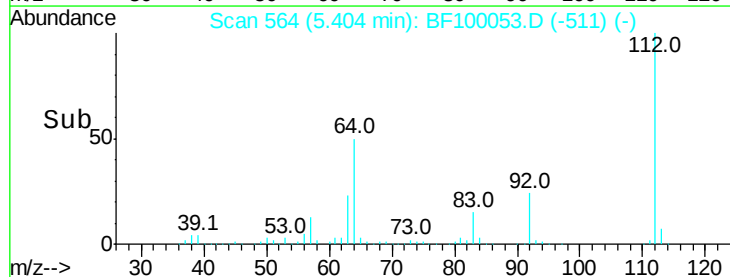
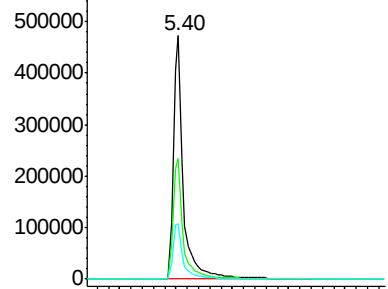
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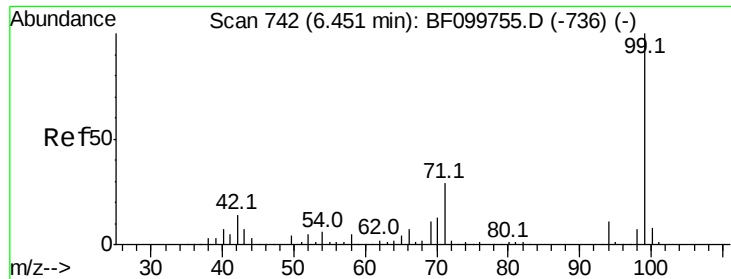
2-Fluorophenol
Concen: 102.336 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Tgt Ion:112 Resp: 579638
Ion Ratio Lower Upper
112 100
64 49.7 47.9 71.9
63 23.0 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: 102.258 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA_F

ClientSampled :

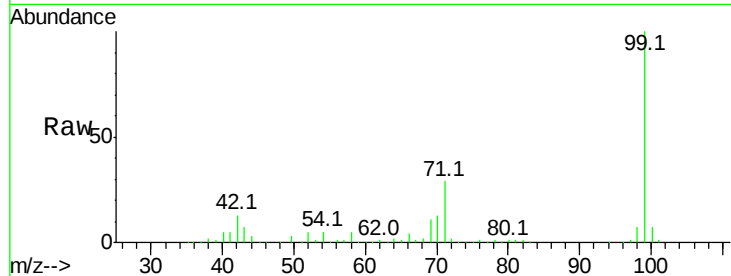
Tot Ion: 99 Resp: 686766

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

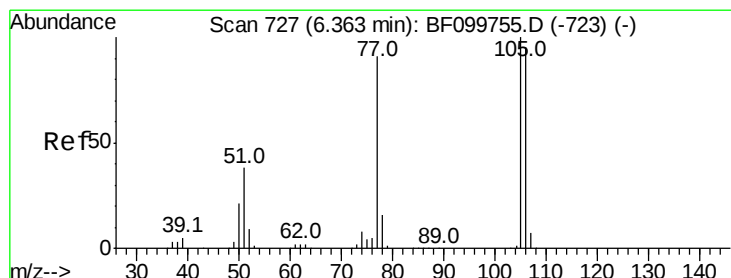
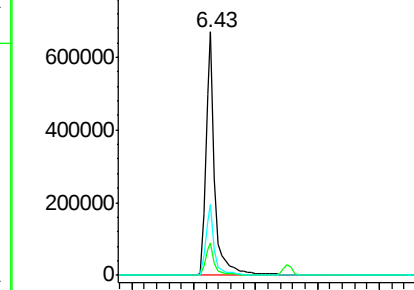
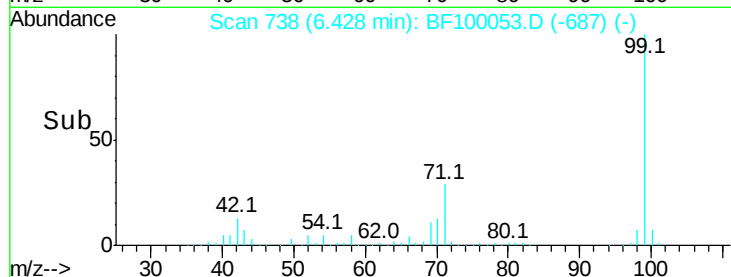
71 29.1 25.4 38.0



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: 2.623 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.21 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

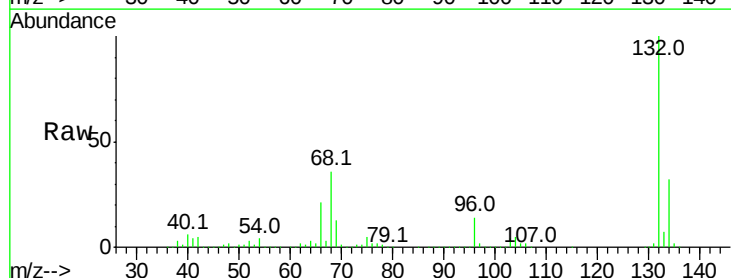
Tgt Ion: 77 Resp: 10525

Ion Ratio Lower Upper

77 100

105 89.6 81.1 121.1

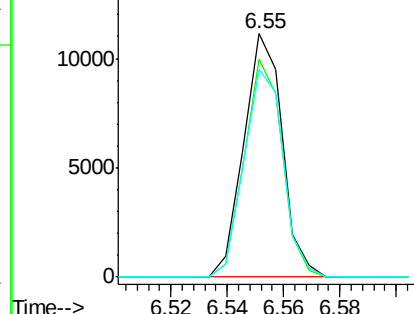
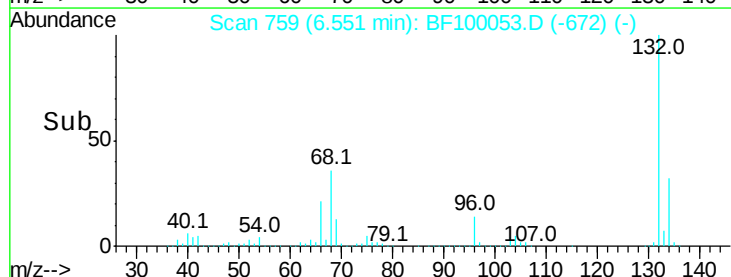
106 85.1 74.5 114.5

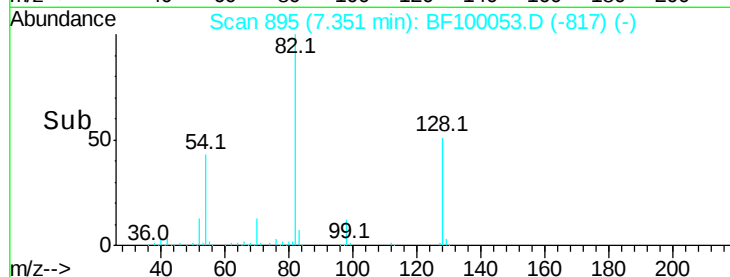
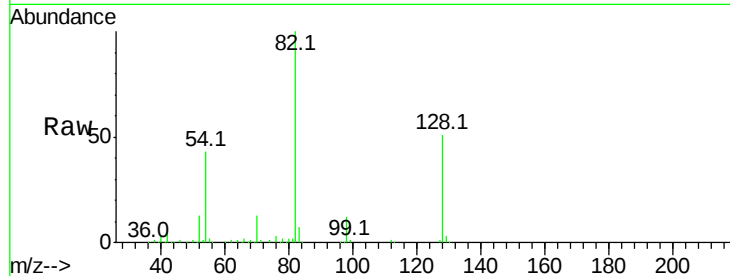
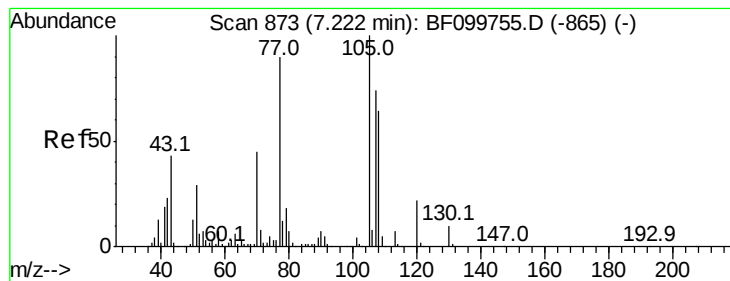


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.158 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47849

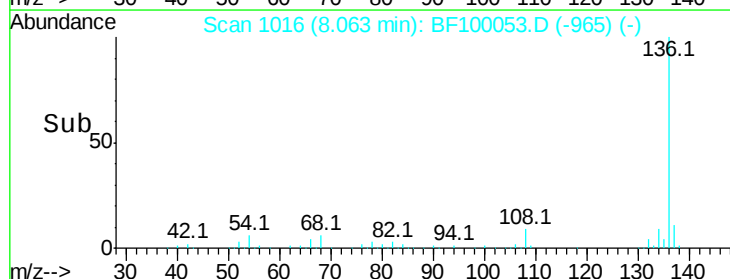
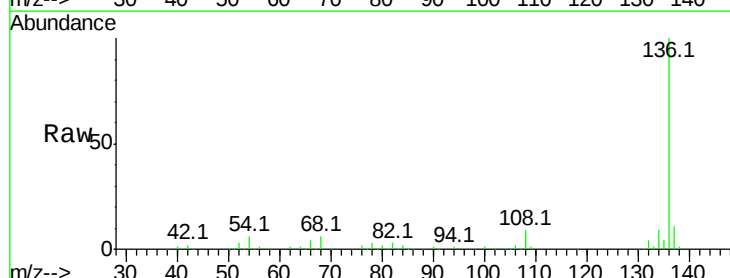
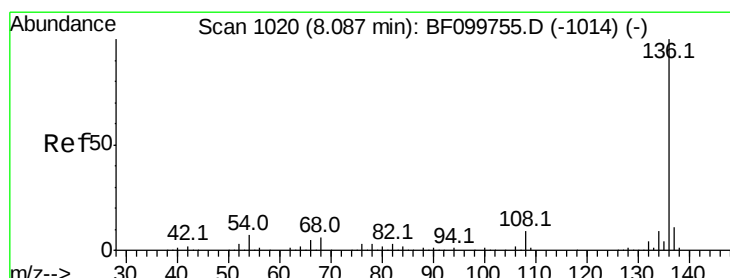
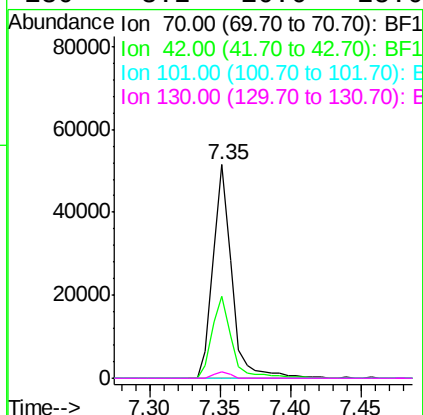
Ion Ratio Lower Upper

70 100

42 38.2 47.5 71.3#

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Tgt Ion:136 Resp: 348265

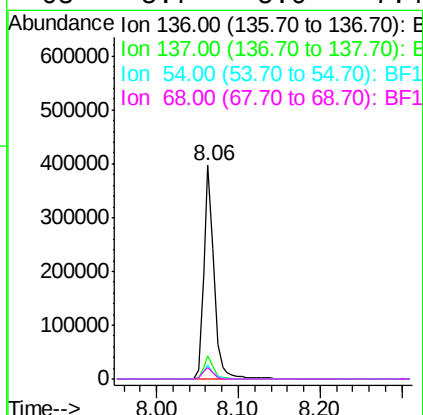
Ion Ratio Lower Upper

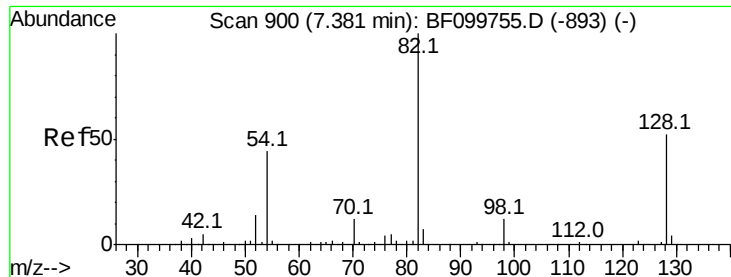
136 100

137 10.9 8.9 13.3

54 6.3 6.6 9.8#

68 5.7 5.0 7.4

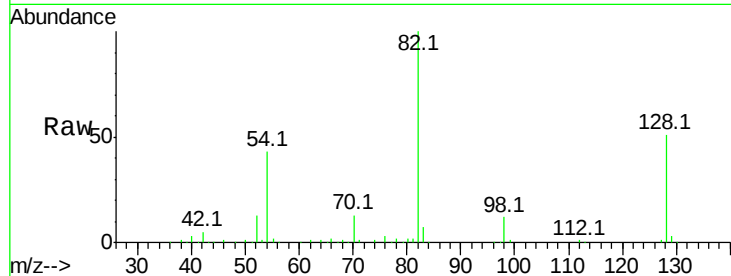




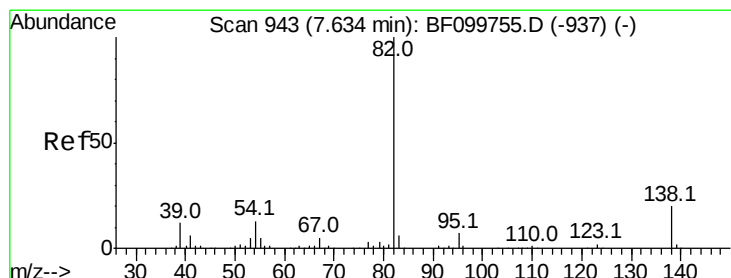
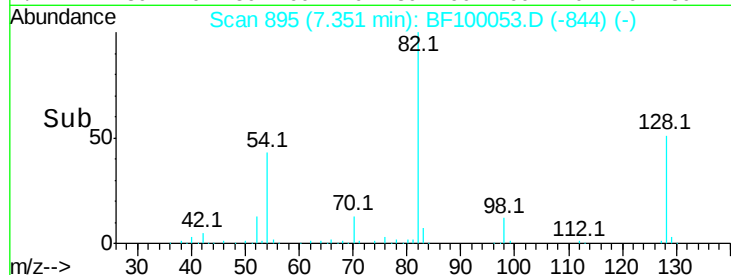
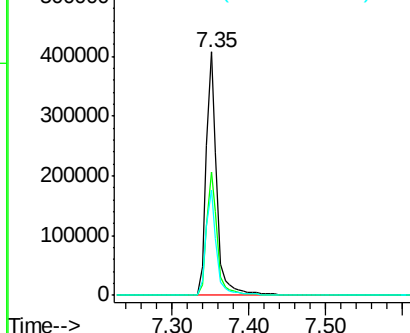
#23
 Nitrobenzene-d5
 Concen: 72.134 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BF100053.D
 Acq: 1 Nov 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 390208
 Ion Ratio Lower Upper
 82 100
 128 50.7 36.1 54.1
 54 43.4 41.4 62.2

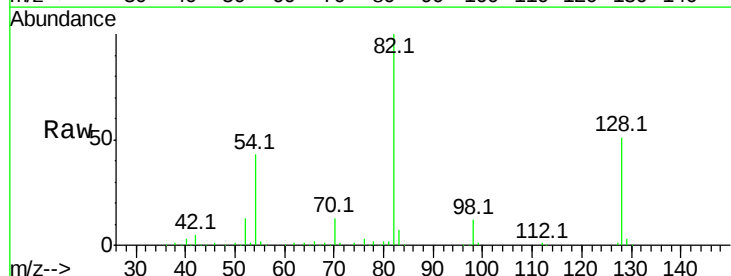


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

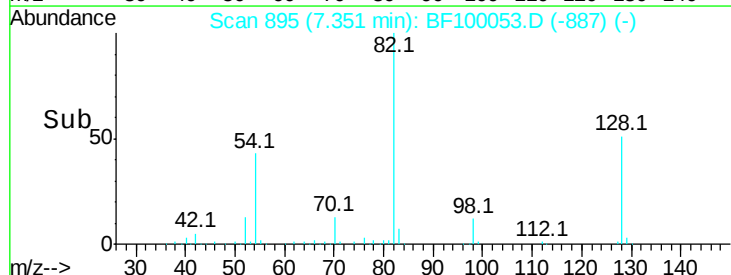
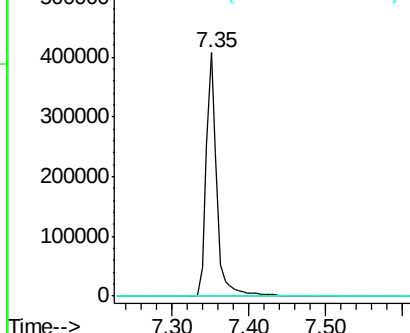


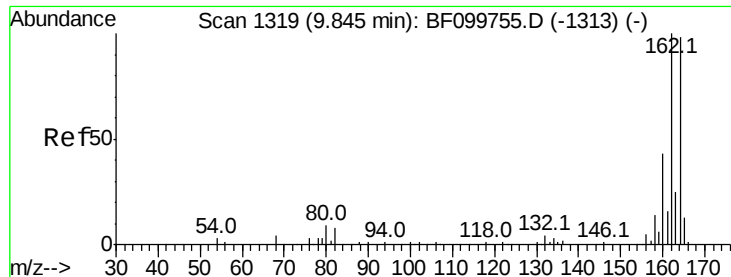
#25
 Isophorone
 Concen: 39.753 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.25 min
 Lab File: BF100053.D
 Acq: 1 Nov 2017 19:30

Tgt Ion: 82 Resp: 390208
 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

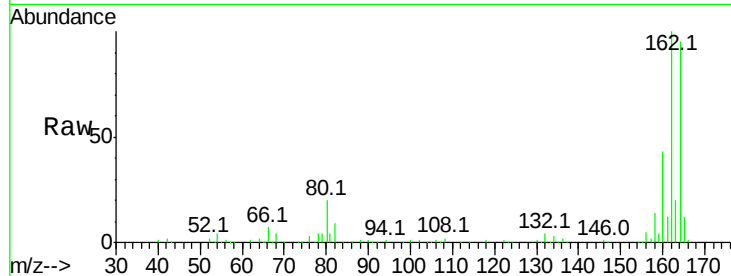




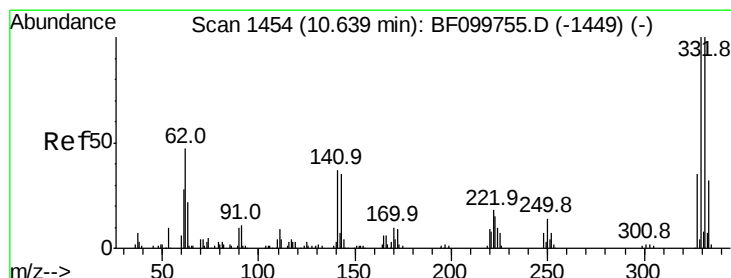
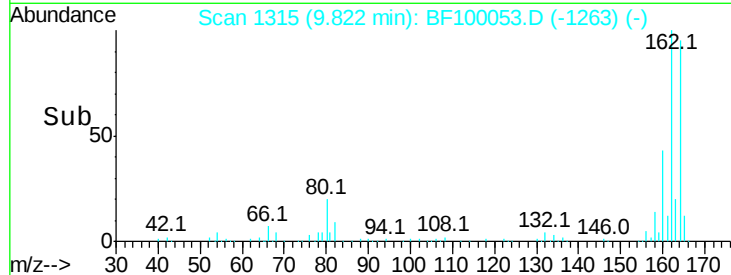
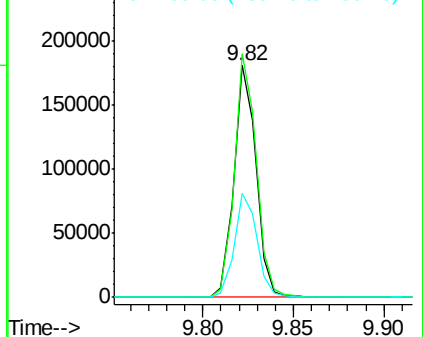
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 153761
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 44.6 38.3 57.5

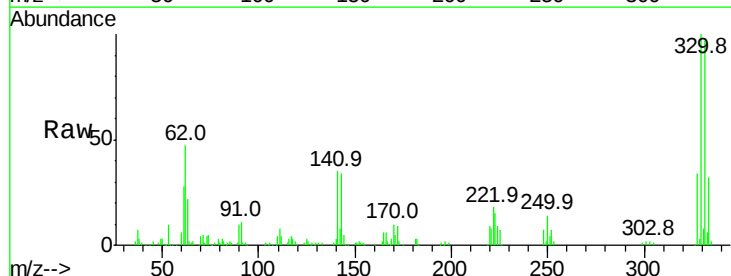


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

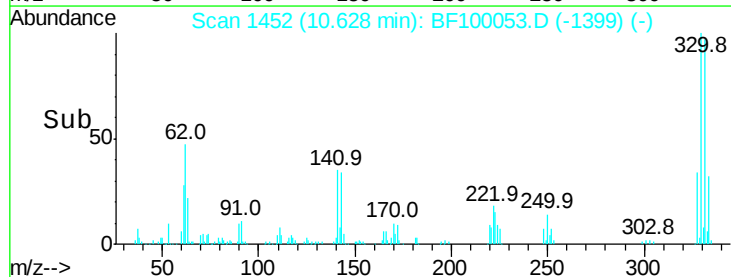
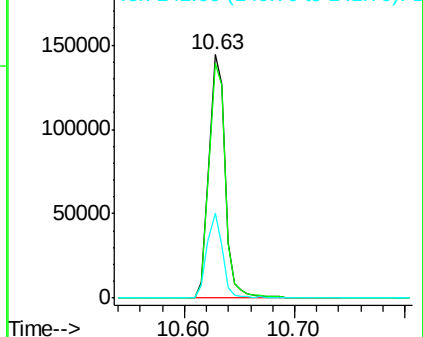


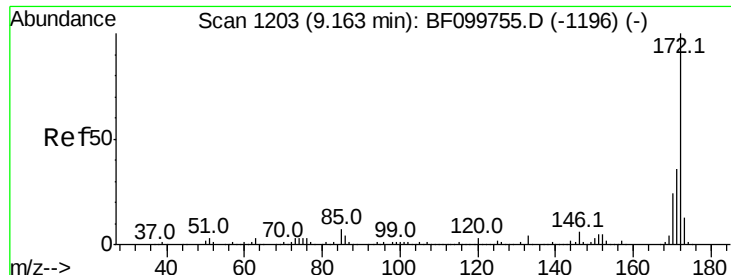
#41
2,4,6-Tribromophenol
Concen: 102.364 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Tgt Ion:330 Resp: 143437
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 33.5 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

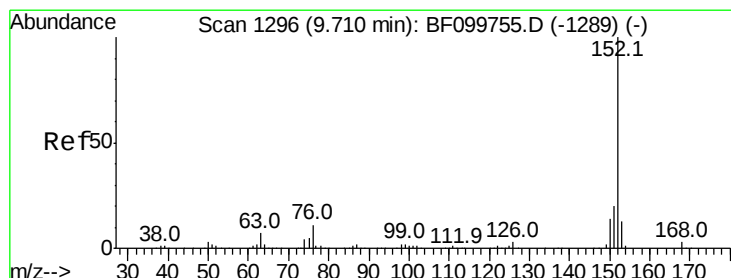
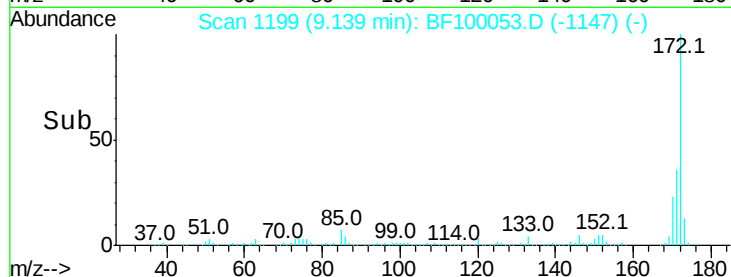
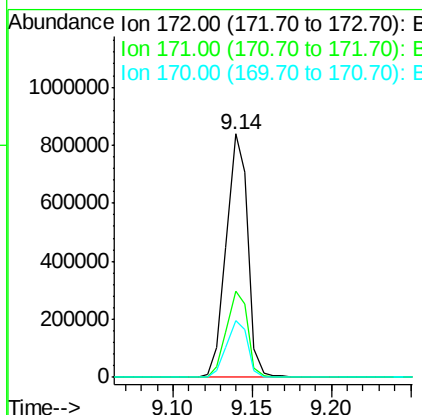
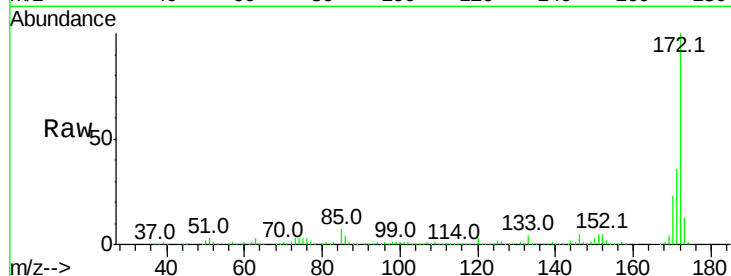




#44
 2-Fluorobiphenyl
 Concen: 79.051 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF100053.D
 Acq: 1 Nov 2017 19:30

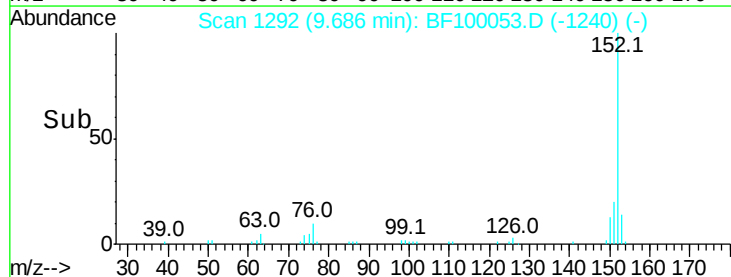
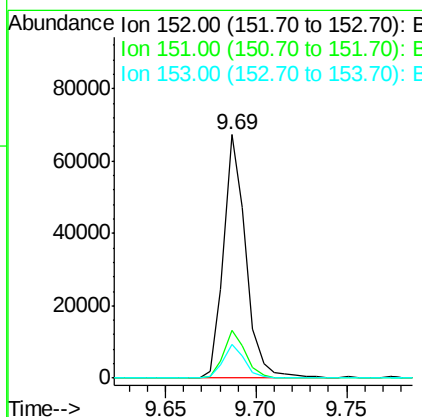
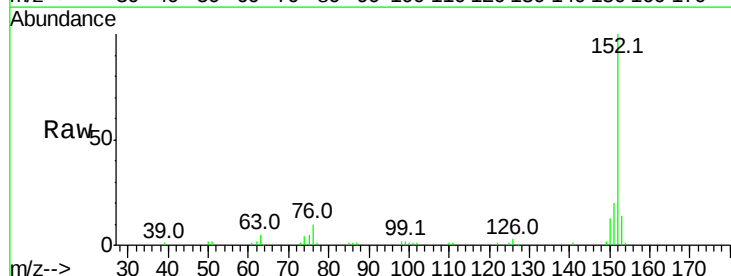
Instrument :
 BNA_F
 ClientSampleId :

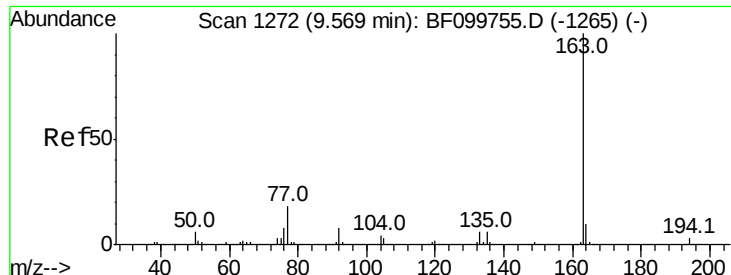
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.2	19.6	29.4



#48
 Acenaphthylene
 Concen: 3.698 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BF100053.D
 Acq: 1 Nov 2017 19:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	14.1	10.7	16.1

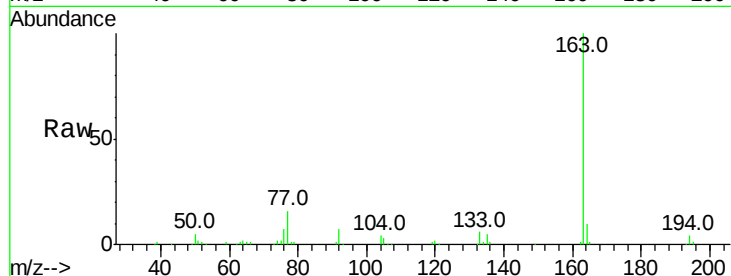




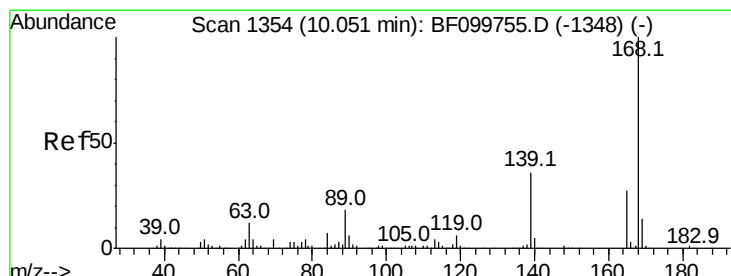
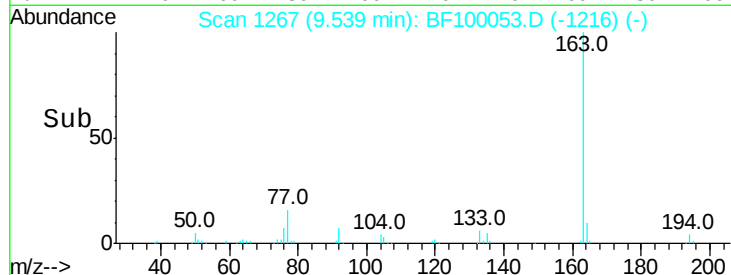
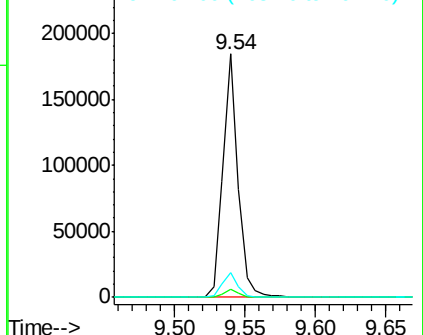
#49
Dimethylphthalate
Concen: 11.300 ng
RT: 9.54 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 137590
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2

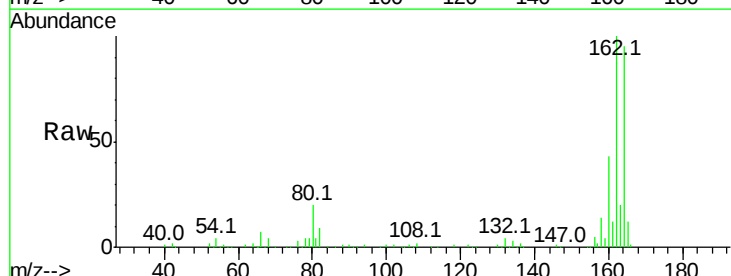


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

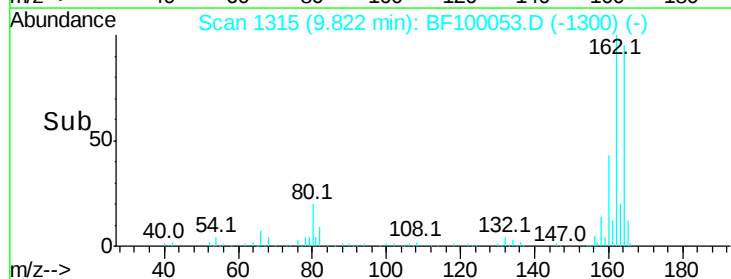
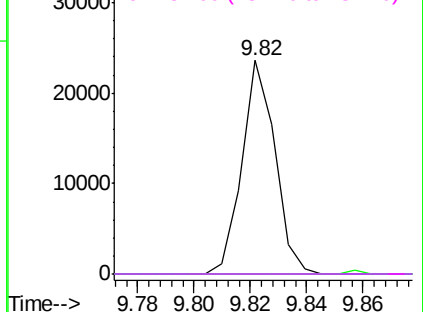


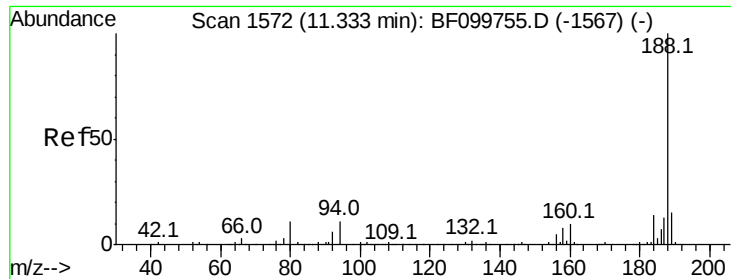
#56
2,4-Dinitrotoluene
Concen: 6.213 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.21 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Tgt Ion:165 Resp: 19152
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

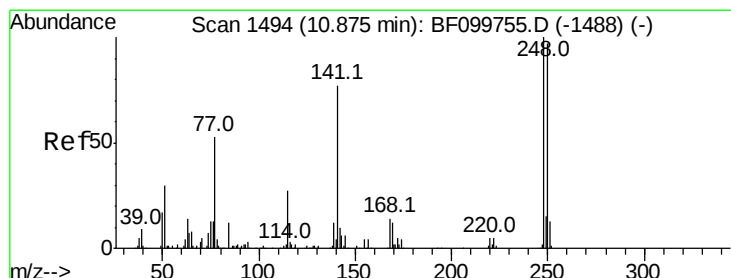
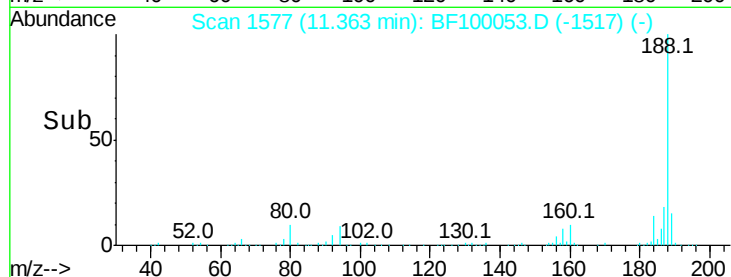
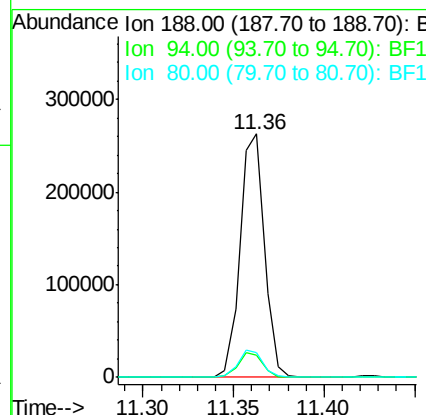
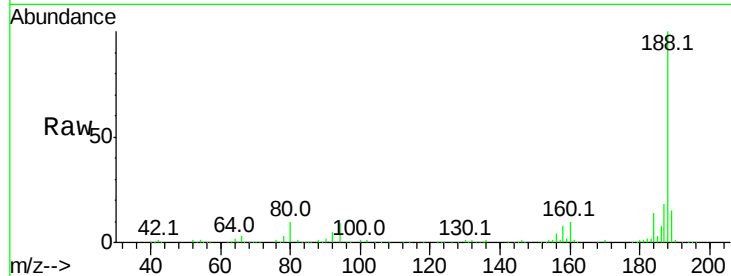




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.05 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

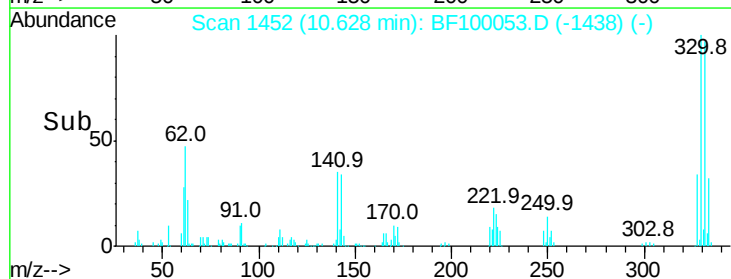
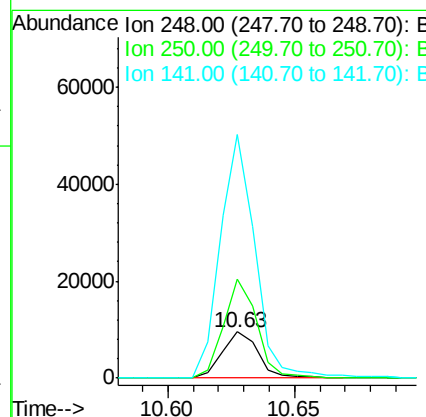
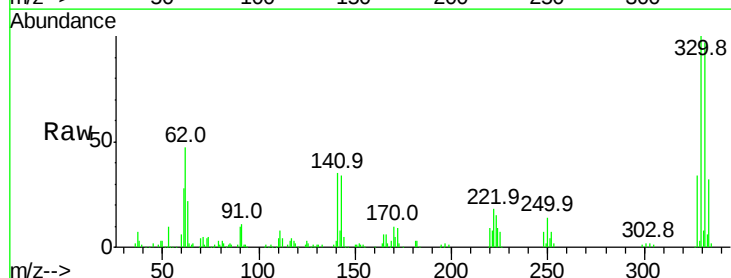
Instrument :
BNA_F
ClientSampleId :

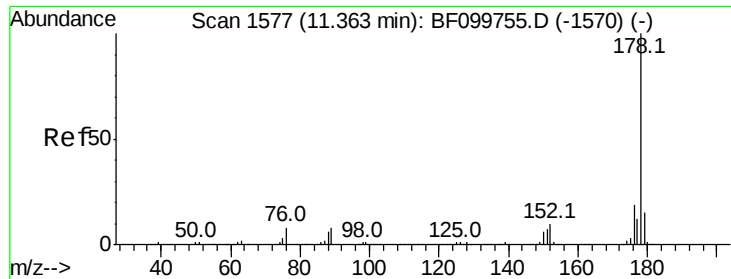
Tot Ion:188 Resp: 245685
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.629 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.22 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Tgt Ion:248 Resp: 9385
Ion Ratio Lower Upper
248 100
250 213.3 76.9 115.3#
141 524.4 74.4 111.6#

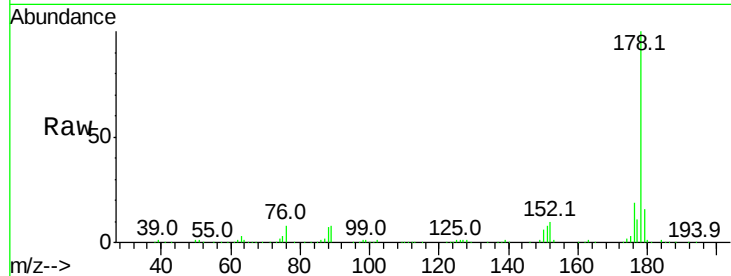




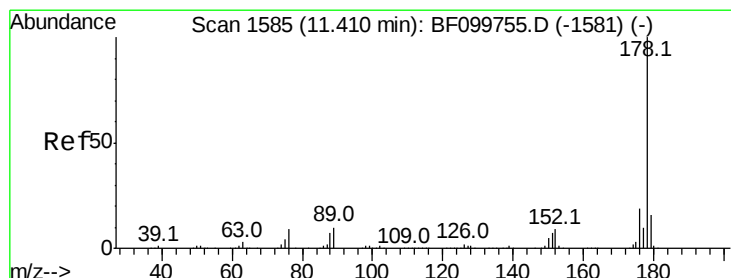
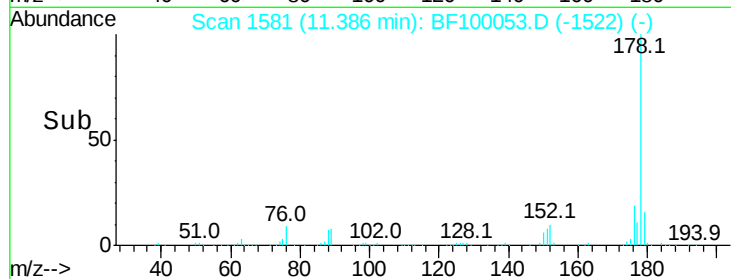
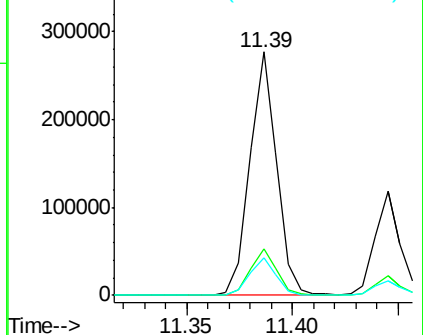
#70
Phenanthrene
Concen: 17.614 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.05 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 244222
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 13.0 19.6

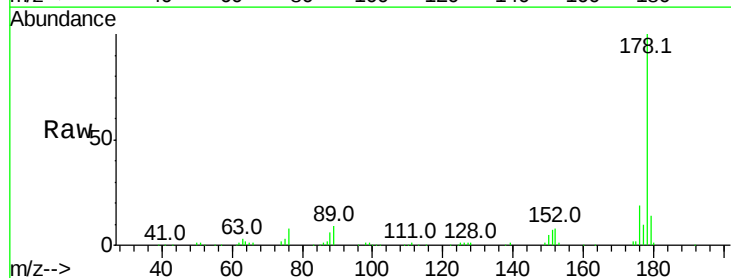


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

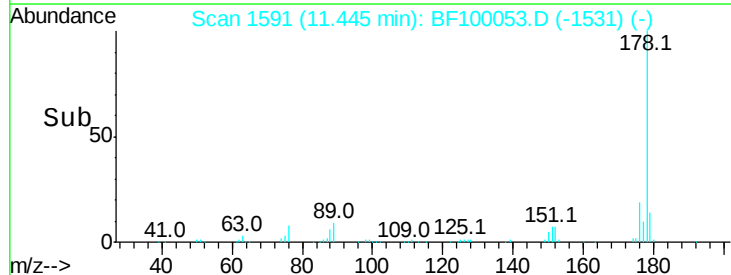
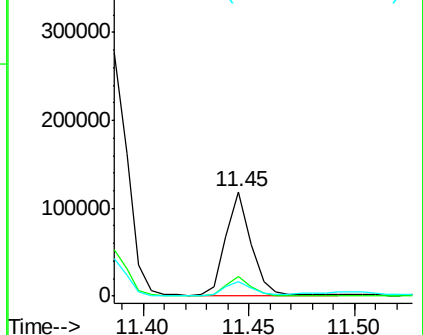


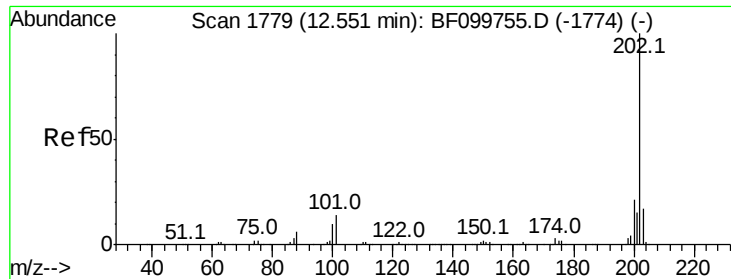
#71
Anthracene
Concen: 6.953 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.05 min
Lab File: BF100053.D
Acq: 1 Nov 2017 19:30

Tgt Ion:178 Resp: 97857
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 32.096 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.24 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA_F

ClientSampleId :

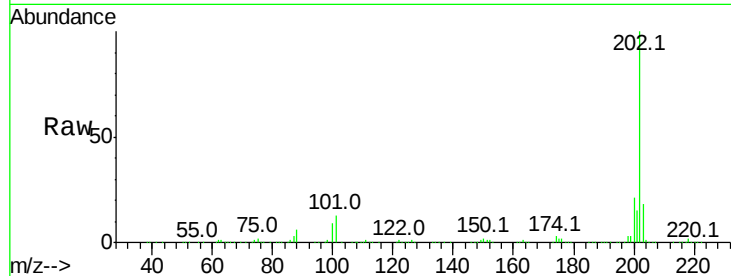
Tot Ion: 202 Resp: 462475

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

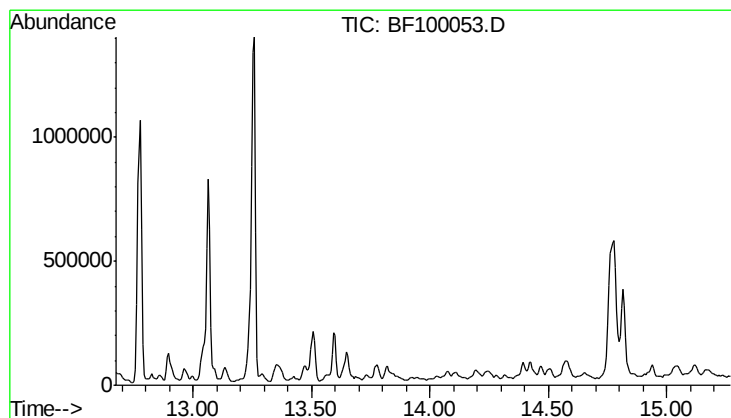
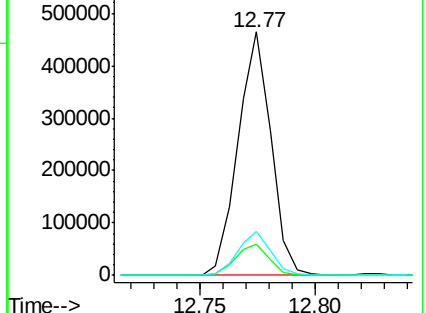
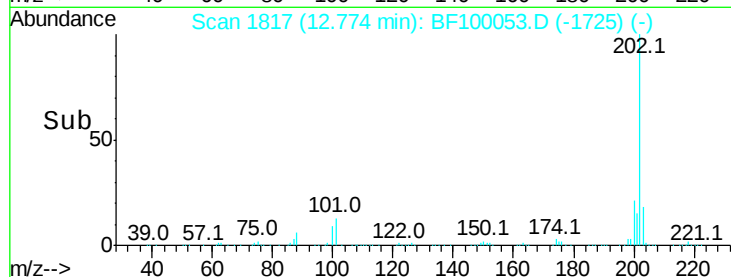
203 17.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 0.000 ng

Expected RT: 13.97 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

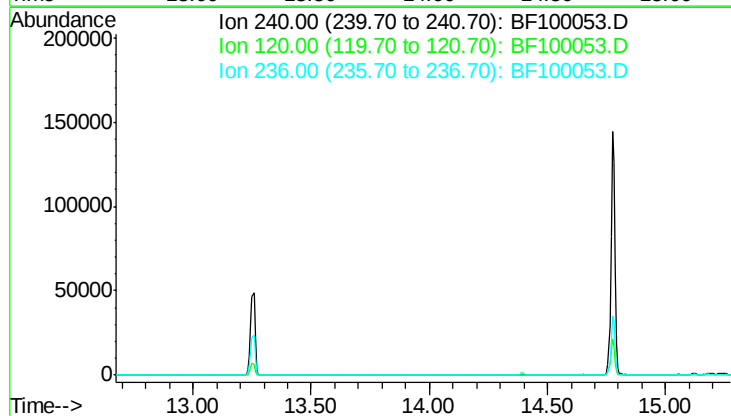
Tgt Ion: 240

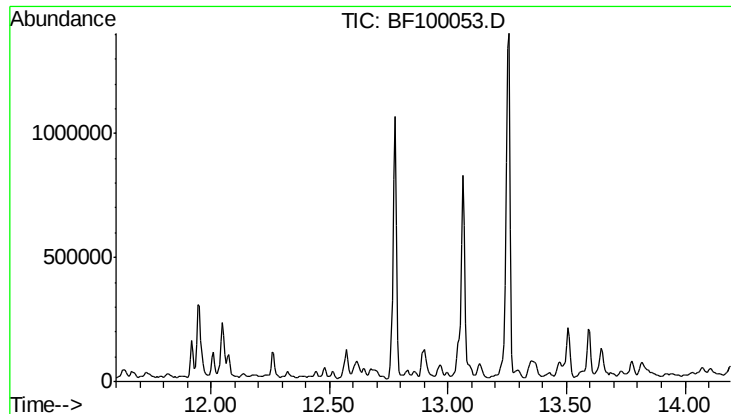
Sig Exp Ratio

240 100

120 11.9

236 25.9





#78

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.90 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Instrument :

BNA_F

ClientSampleId :

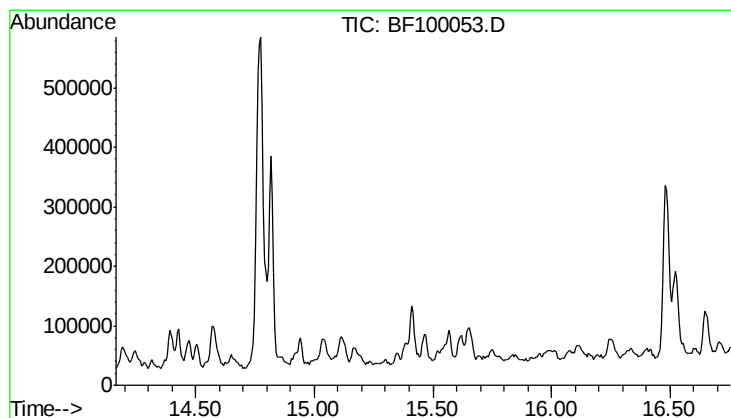
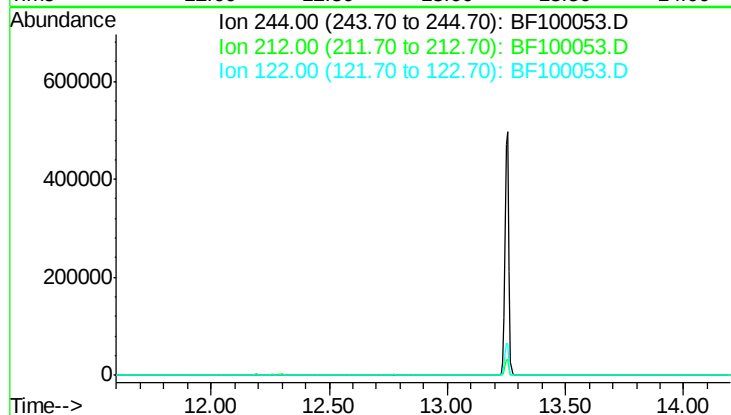
Tot Ion: 244

Sig Exp Ratio

244 100

212 6.7

122 13.7



#86

Perylene-d12

Concen: 0.000 ng

Expected RT: 15.46 min

Lab File: BF100053.D

Acq: 1 Nov 2017 19:30

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.0

265 21.9

