

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100074.D
 Acq On : 2 Nov 2017 5:16
 Operator : SJ/JU
 Sample : I6231-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 05:51:49 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

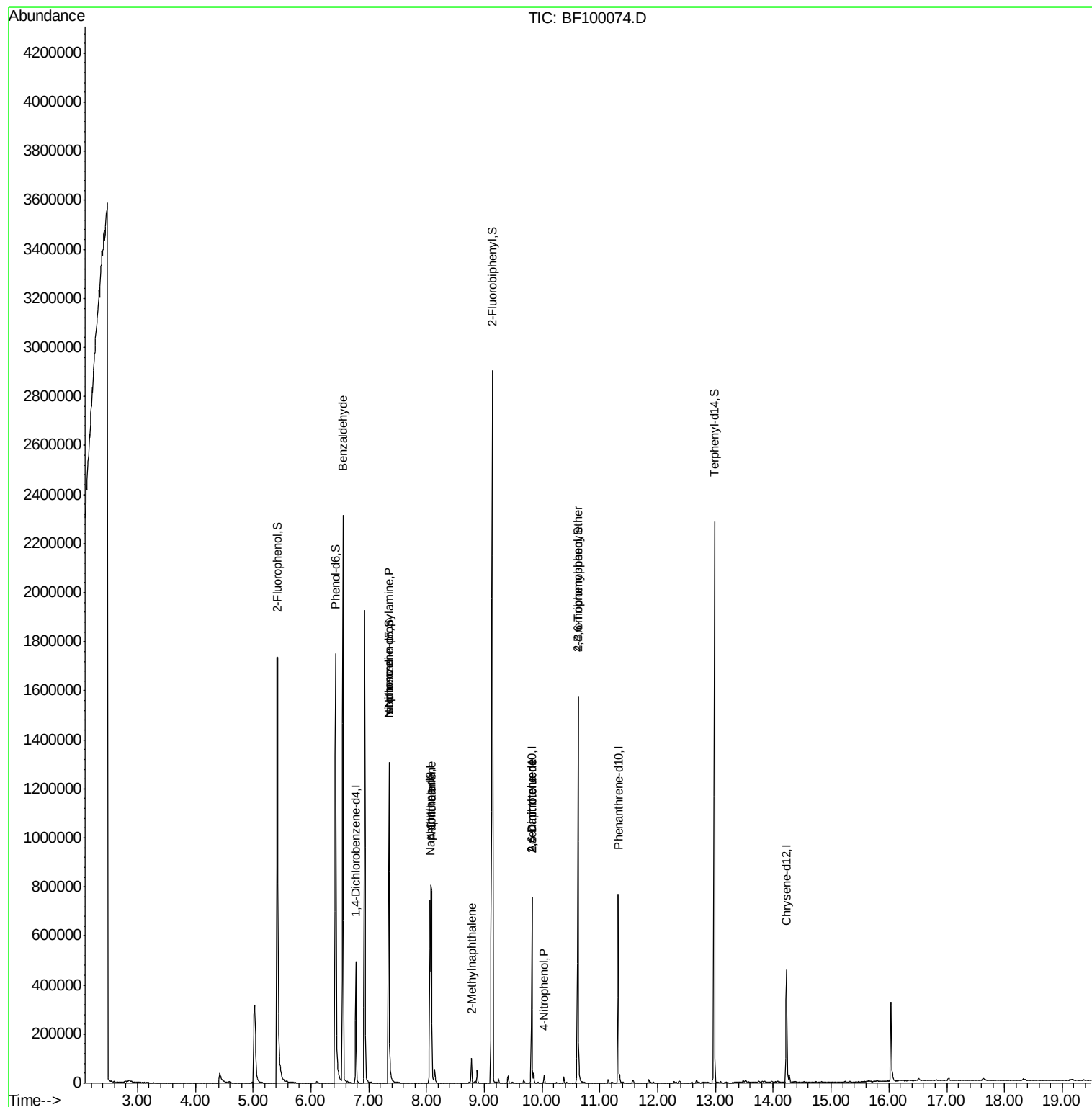
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	93683	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	373719	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	172886	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	285244	20.00	ng	0.00
75) Chrysene-d12	14.23	240	175226	20.00	ng	0.25
86) Perylene-d12	0.00	264	0	0.00	ng	-15.46
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	817834	137.05	ng	0.03
7) Phenol-d6	6.43	99	898574	127.00	ng	0.00
23) Nitrobenzene-d5	7.35	82	611261	105.30	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	236919	150.37	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1300713	116.08	ng	0.00
78) Terphenyl-d14	12.98	244	930723	116.08	ng	0.08
Target Compounds						
9) Benzaldehyde	6.55	77	14317	3.386	ng	90
19) n-Nitroso-di-n-propylamine	7.35	70	76560	18.464	ng	# 71
25) Isophorone	7.35	82	611254	58.030	ng	# 64
31) Naphthalene	8.09	128	504066	27.942	ng	99
33) 4-Chloroaniline	8.08	127	67230	9.025	ng	# 35
37) 2-Methylnaphthalene	8.78	142	35612	2.946	ng	99
50) 2,6-Dinitrotoluene	9.82	165	22025	7.652	ng	# 25
55) 4-Nitrophenol	10.03	139	5867	3.311	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	22025	6.354	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	14911	4.965	ng	# 1

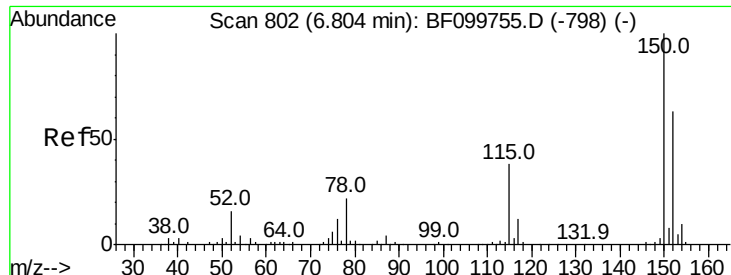
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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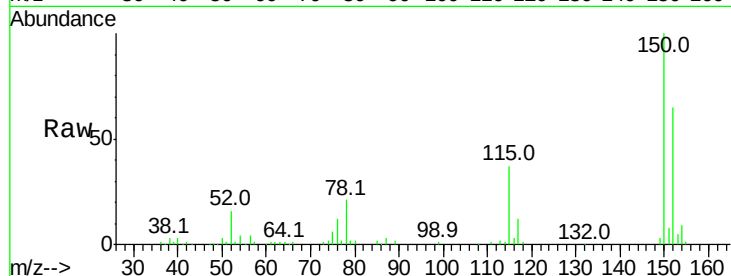


#1

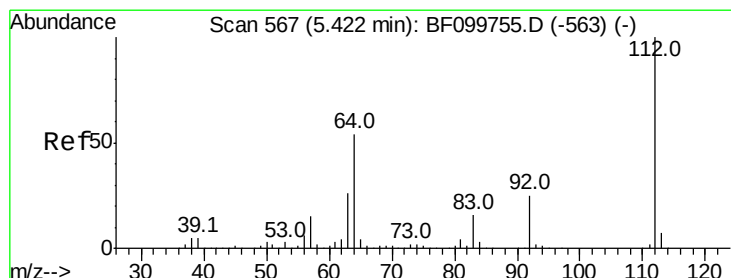
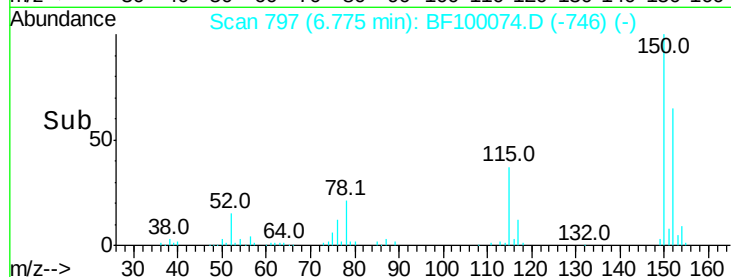
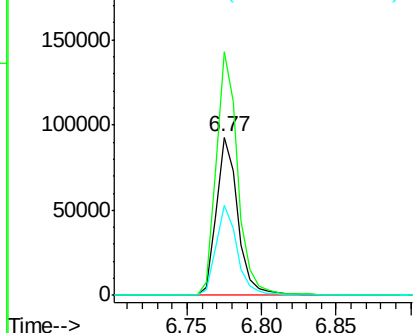
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93683
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 56.9 50.1 75.1



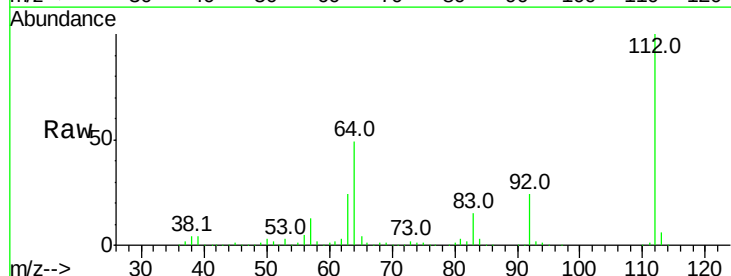
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



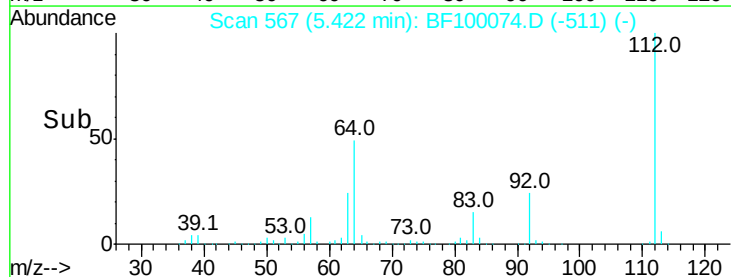
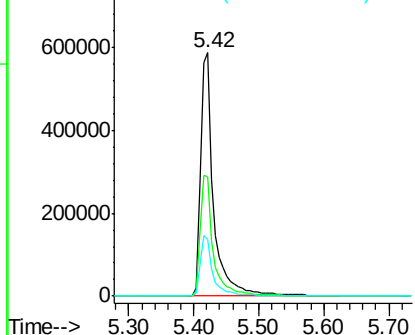
#5

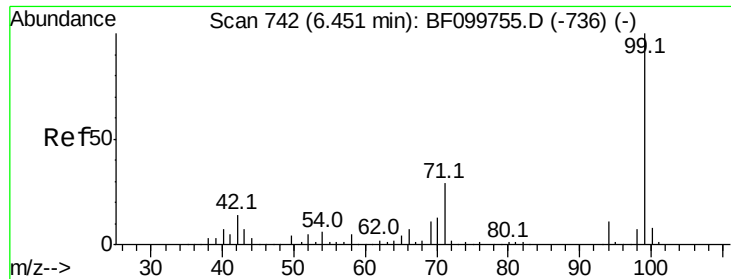
2-Fluorophenol
Concen: 137.055 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.03 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:112 Resp: 817834
Ion Ratio Lower Upper
112 100
64 49.2 47.9 71.9
63 23.5 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: 126.999 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Instrument :

BNA_F

ClientSampled :

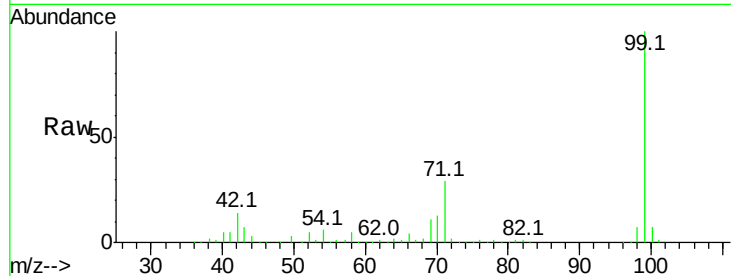
Tot Ion: 99 Resp: 898574

Ion Ratio Lower Upper

99 100

42 13.6 14.5 21.7#

71 29.0 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

800000

600000

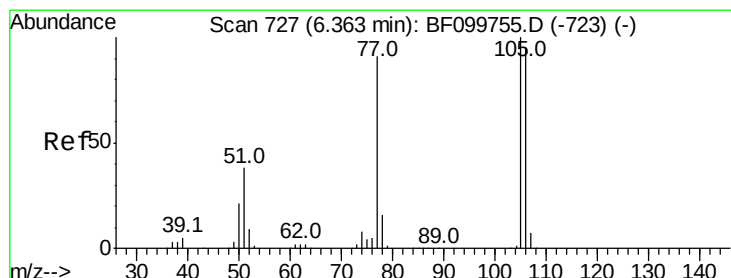
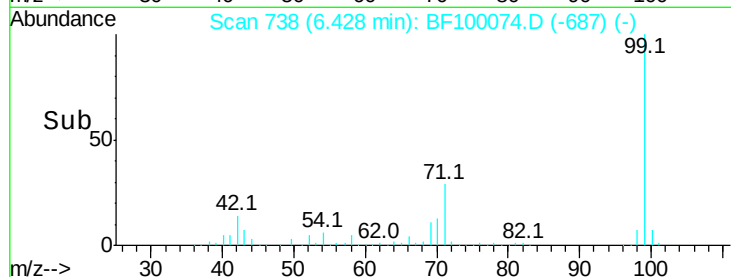
400000

200000

0

6.30 6.40 6.50 6.60 6.70

Time-->



#9

Benzaldehyde

Concen: 3.386 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.21 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

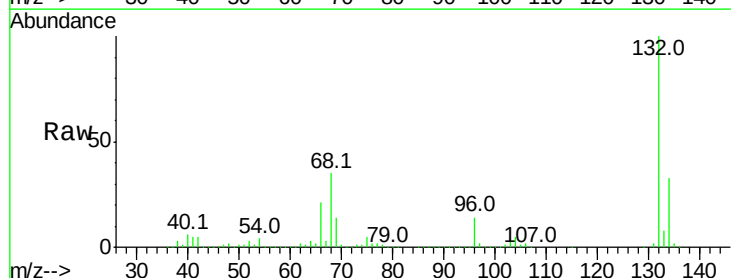
Tgt Ion: 77 Resp: 14317

Ion Ratio Lower Upper

77 100

105 83.9 81.1 121.1

106 91.4 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

15000

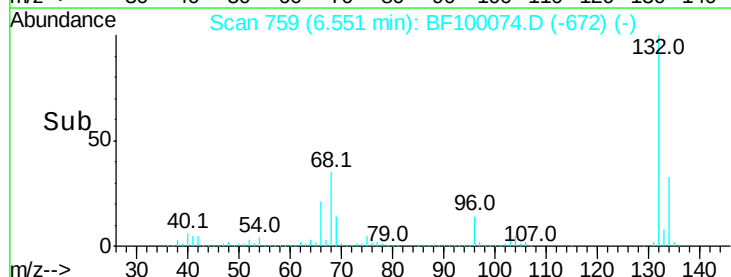
10000

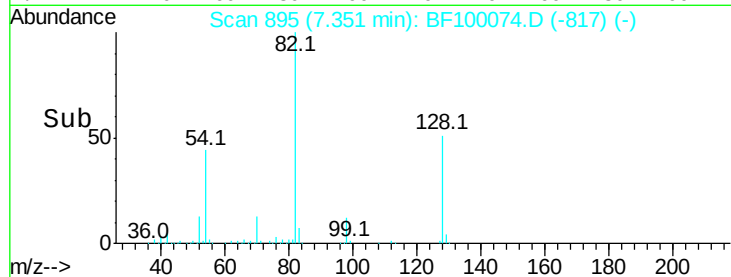
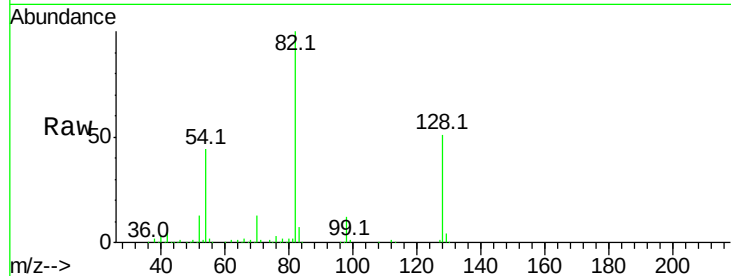
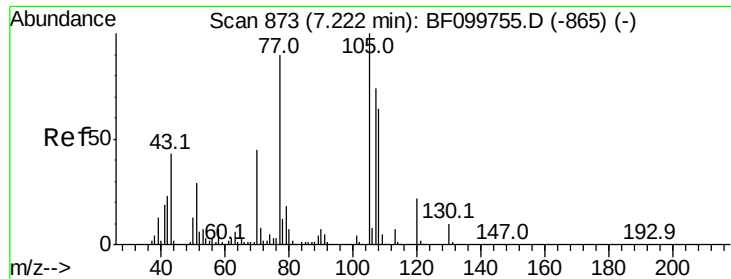
5000

0

6.52 6.54 6.56 6.58

Time-->

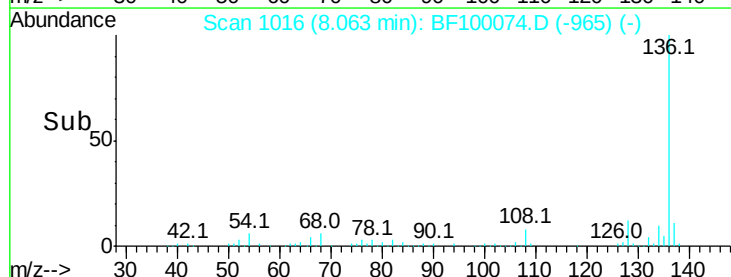
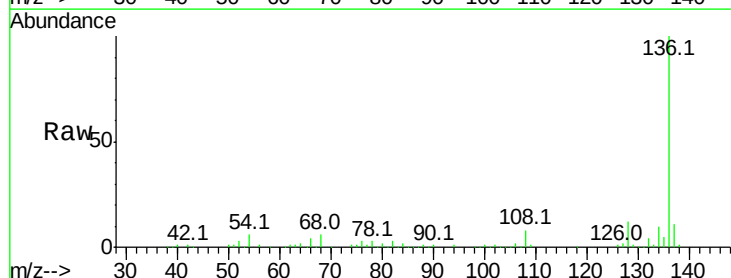
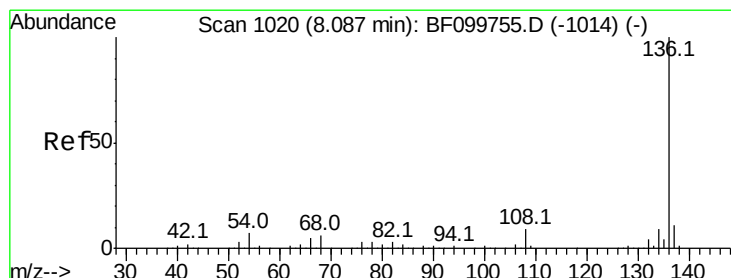
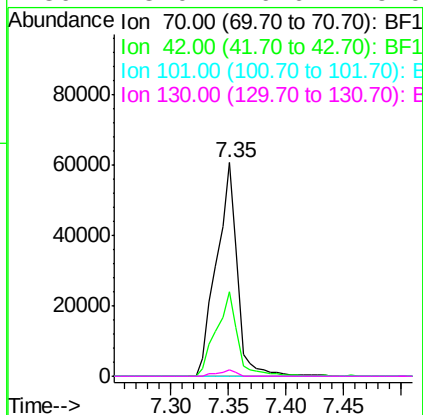




#19
n-Nitroso-di-n-propylamine
Concen: 18.464 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.16 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

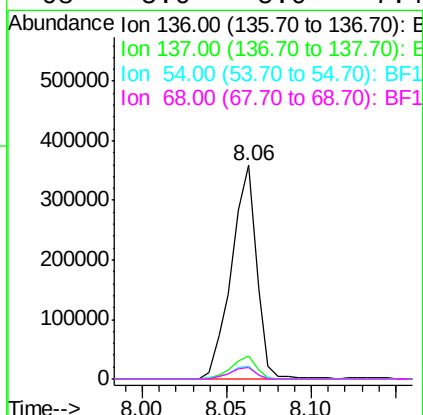
Instrument :
BNA_F
ClientSampleId :

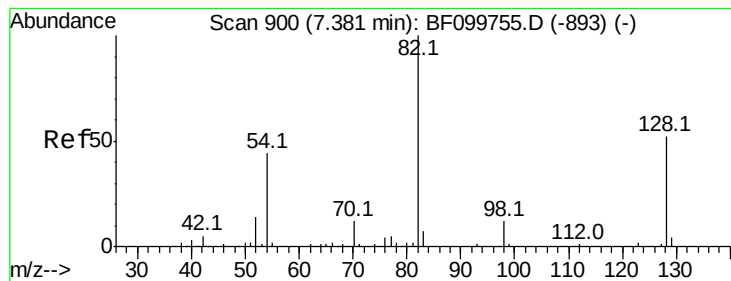
Tot Ion: 70 Resp: 76560
Ion Ratio Lower Upper
70 100
42 39.8 47.5 71.3#
101 0.0 7.4 11.2#
130 3.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion: 136 Resp: 373719
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.1 6.6 9.8#
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 105.302 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.00 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

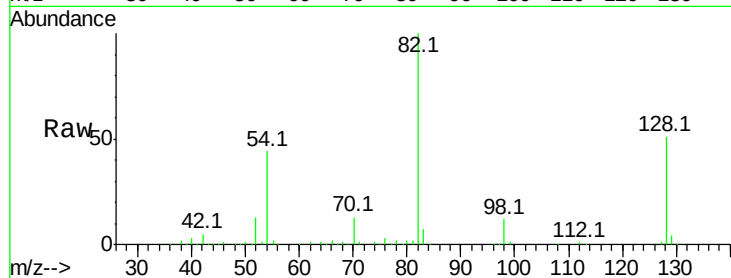
Tot Ion: 82 Resp: 611261

Ion Ratio Lower Upper

82 100

128 51.5 36.1 54.1

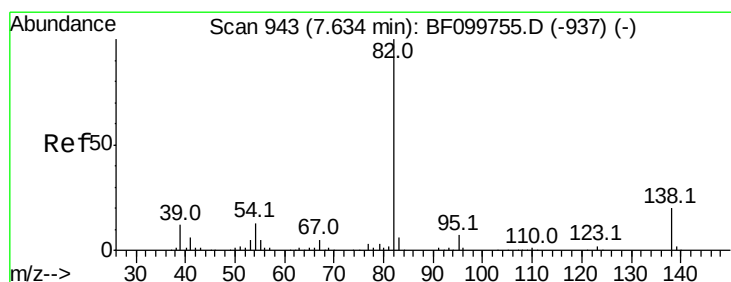
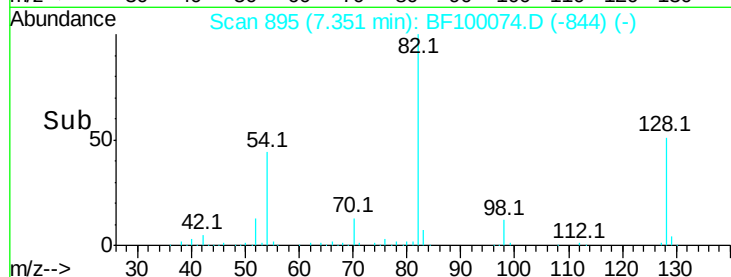
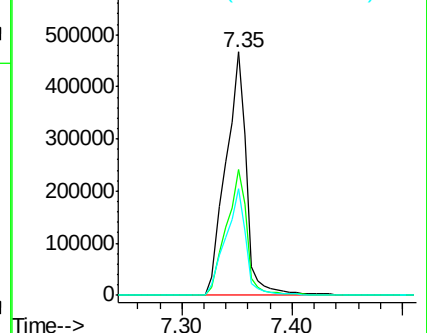
54 43.6 41.4 62.2



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: 58.030 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.25 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

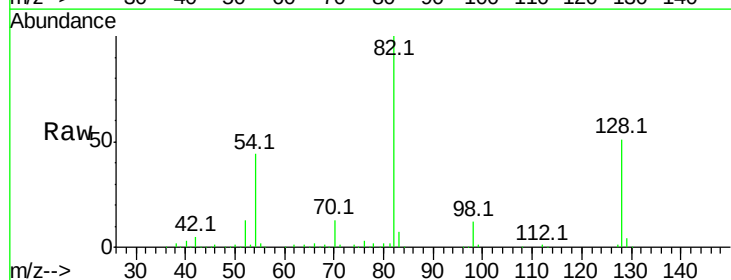
Tgt Ion: 82 Resp: 611254

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

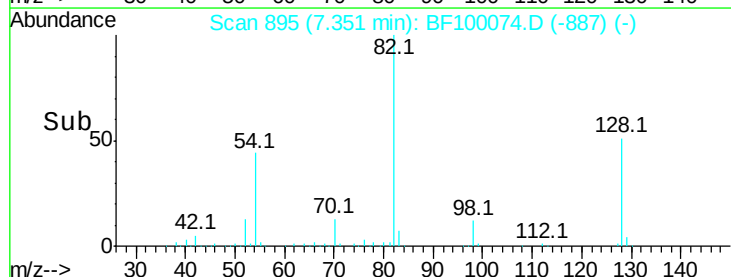
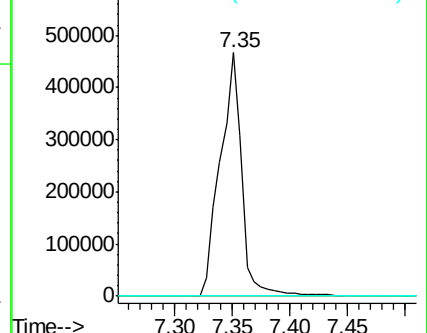
138 0.0 14.9 22.3#

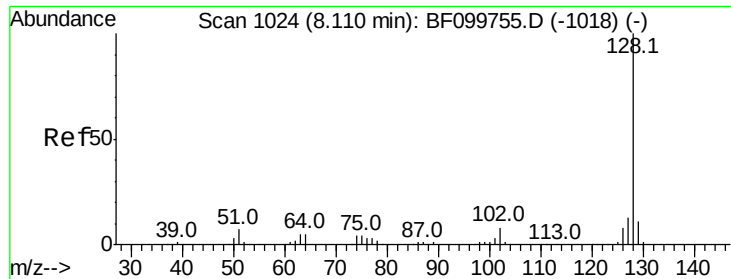


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

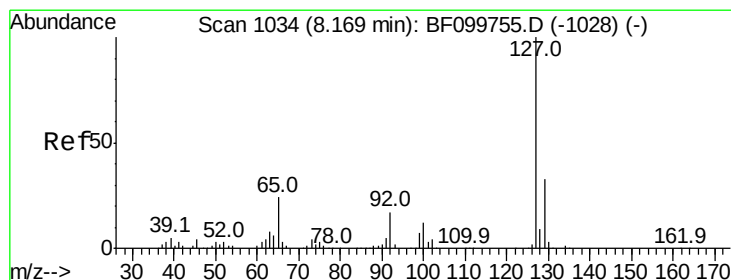
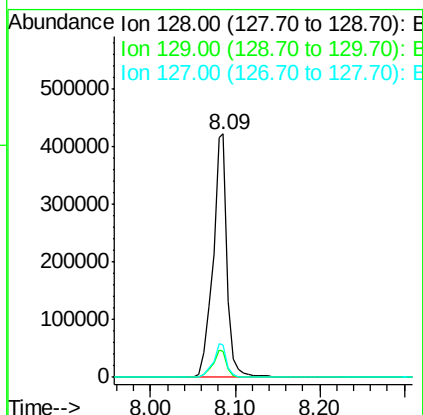
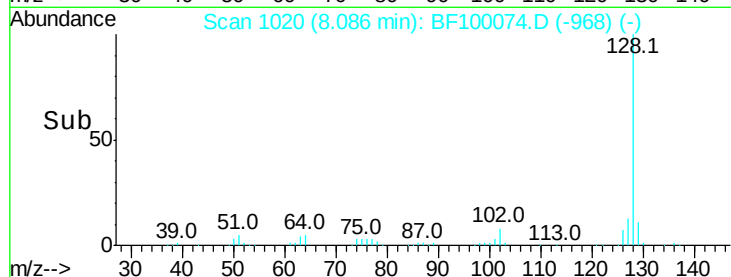
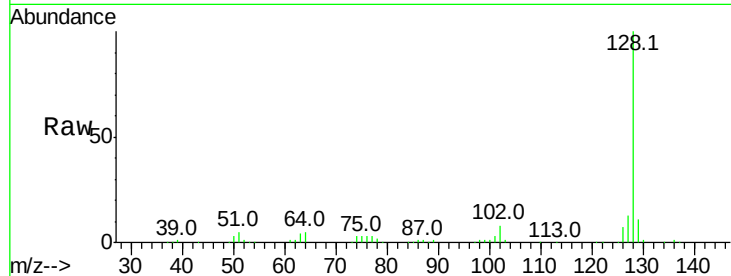




#31
Naphthalene
Concen: 27.942 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

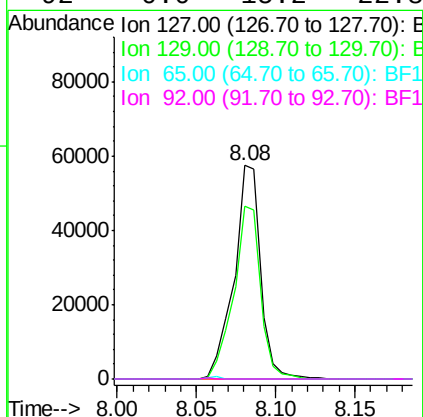
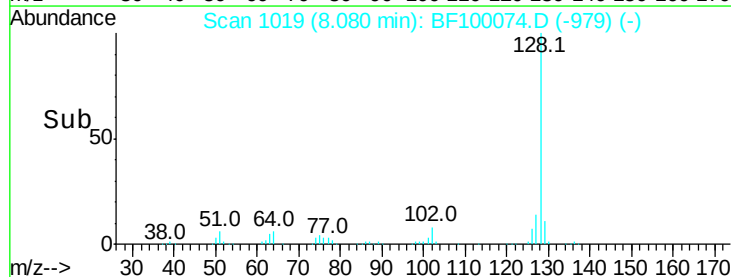
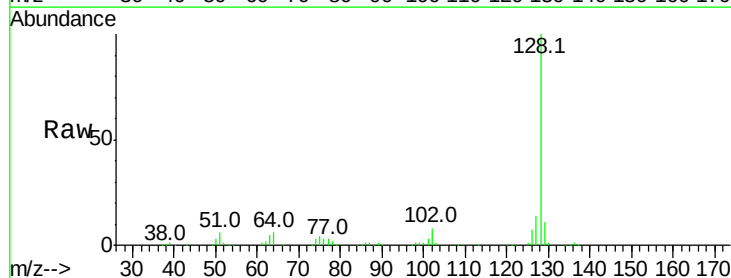
Instrument :
BNA_F
ClientSampleId :

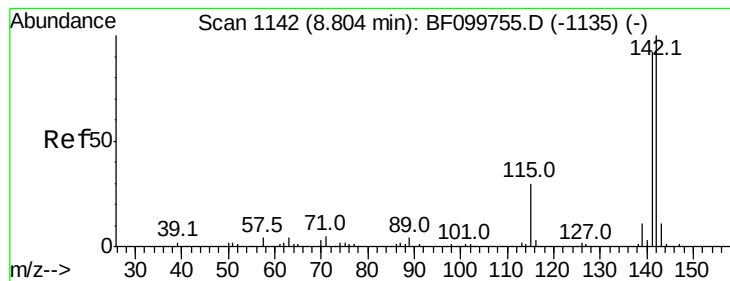
Tot Ion:128 Resp: 504066
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.4 10.9 16.3



#33
4-Chloroaniline
Concen: 9.025 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.06 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:127 Resp: 67230
Ion Ratio Lower Upper
127 100
129 81.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 2.946 ng

RT: 8.78 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

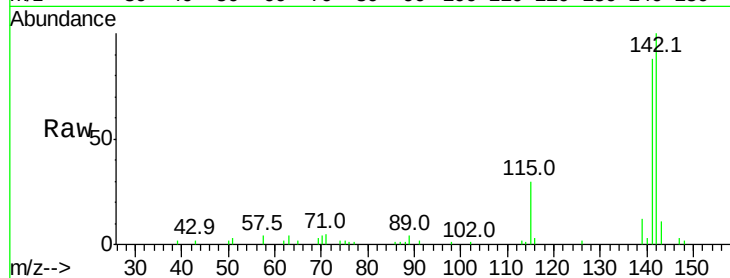
Tot Ion:142 Resp: 35612

Ion Ratio Lower Upper

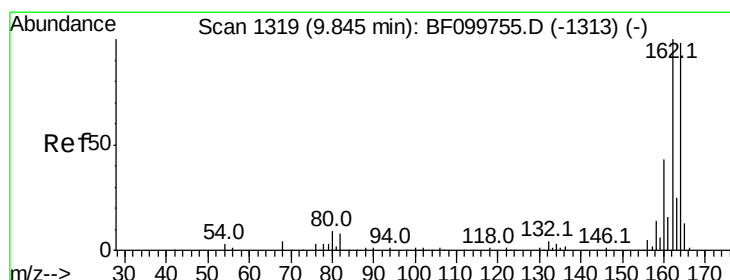
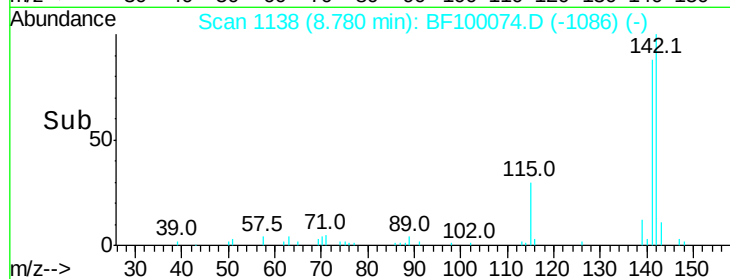
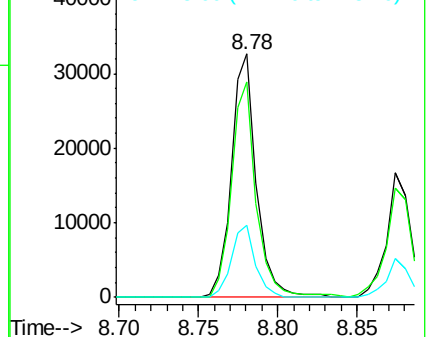
142 100

141 88.3 70.8 106.2

115 29.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

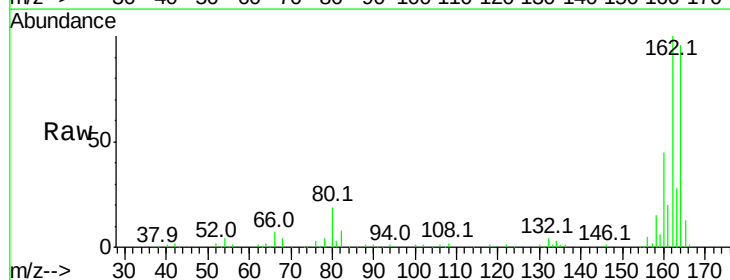
Tgt Ion:164 Resp: 172886

Ion Ratio Lower Upper

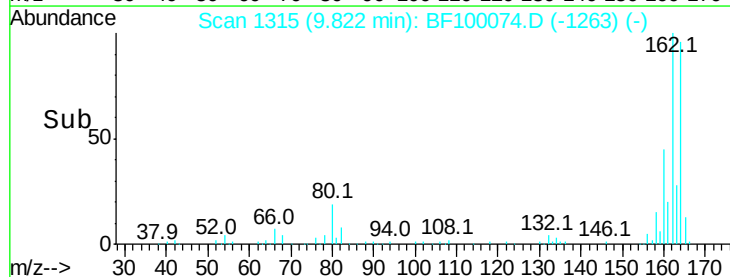
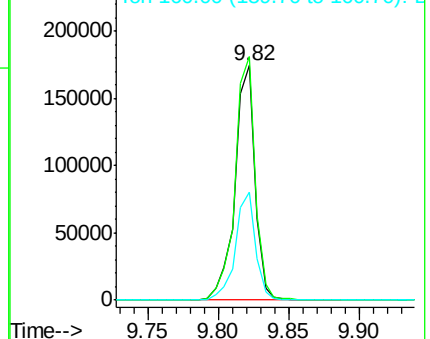
164 100

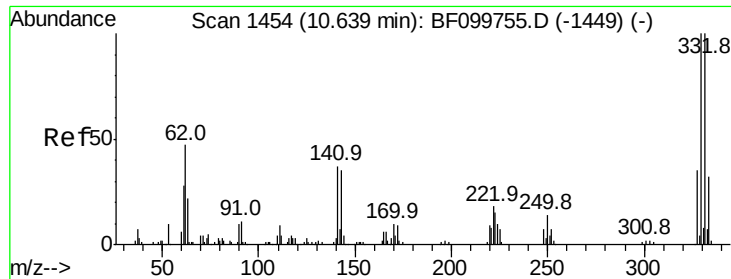
162 103.8 86.1 129.1

160 46.2 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: 150.373 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

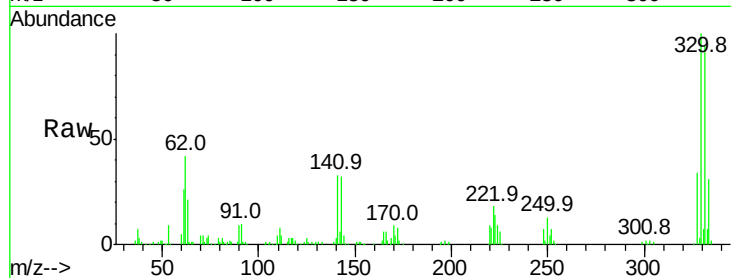
Tot Ion:330 Resp: 236919

Ion Ratio Lower Upper

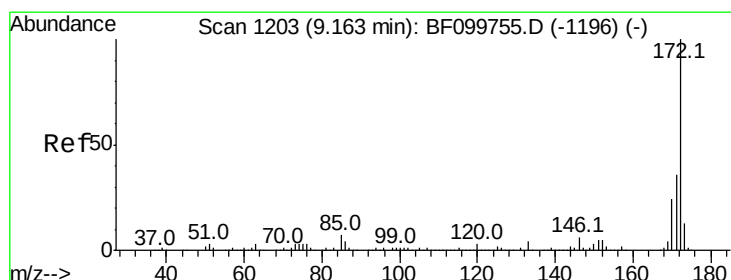
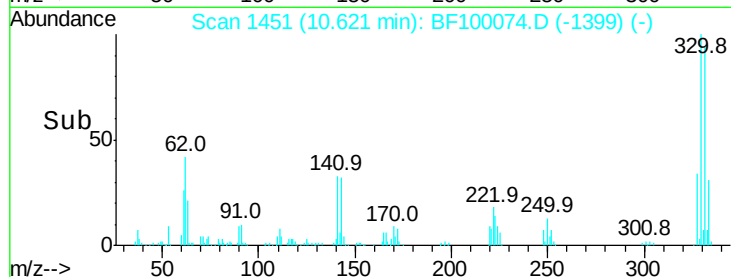
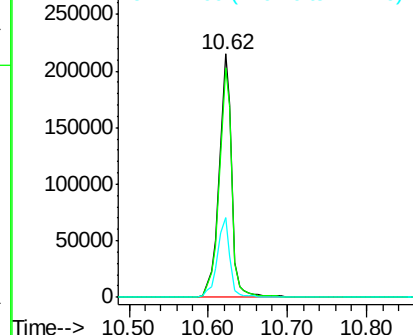
330 100

332 94.8 77.0 115.6

141 33.1 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: 116.076 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

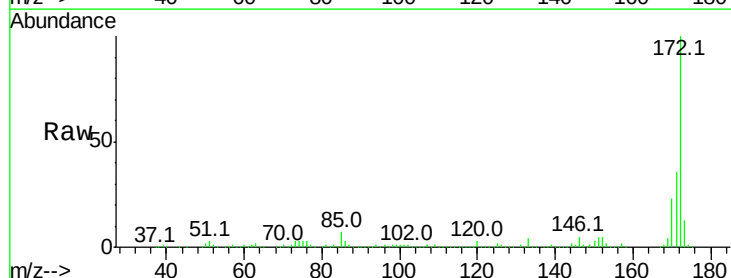
Tgt Ion:172 Resp: 1300713

Ion Ratio Lower Upper

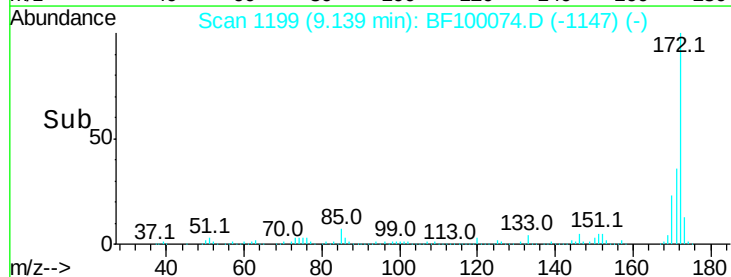
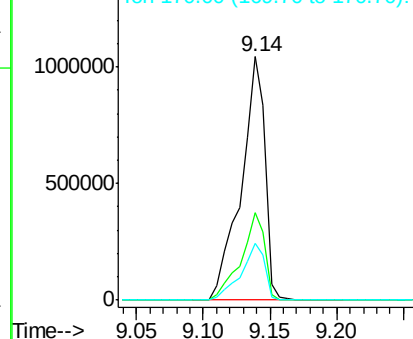
172 100

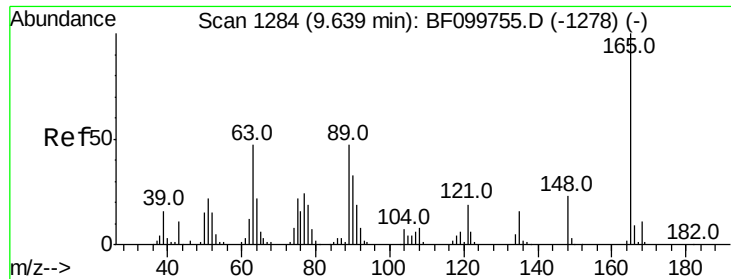
171 36.2 29.7 44.5

170 23.3 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

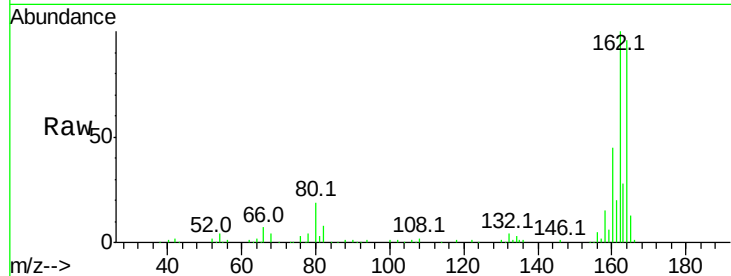




#50
 2,6-Dinitrotoluene
 Concen: 7.652 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

Instrument :
 BNA_F
 ClientSampleId :

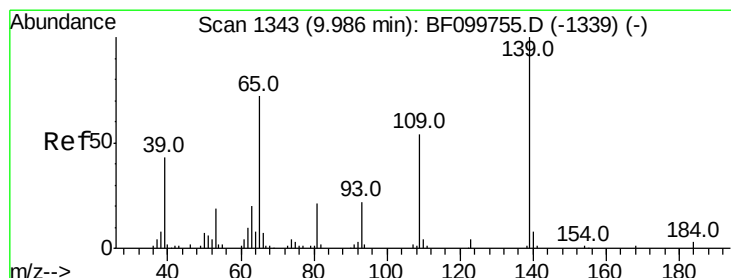
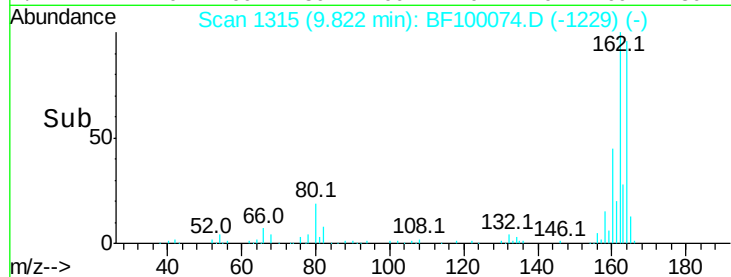
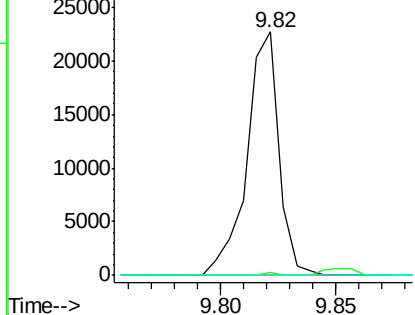
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

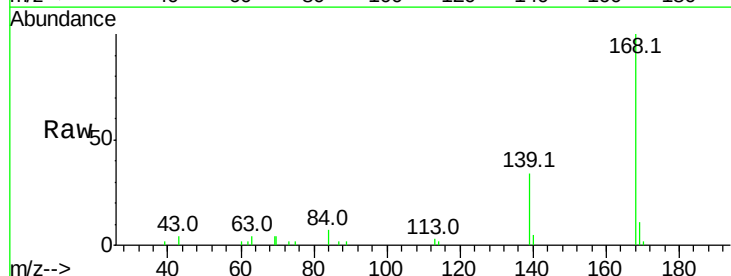
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55
 4-Nitrophenol
 Concen: 3.311 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.05 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

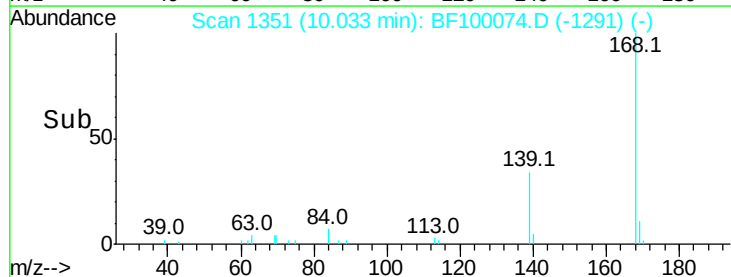
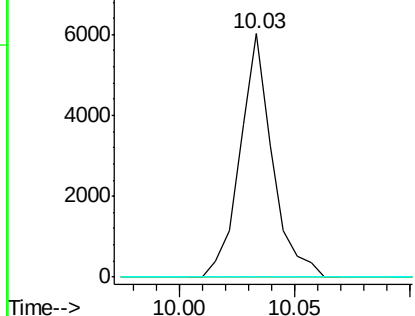
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

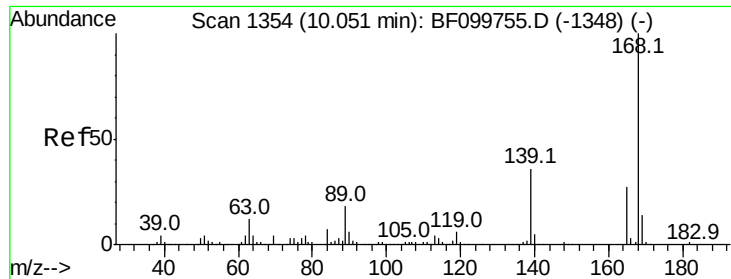


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

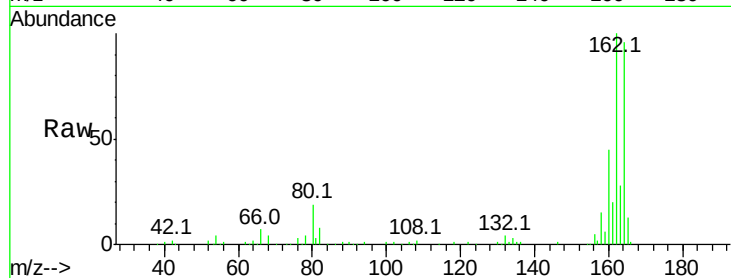




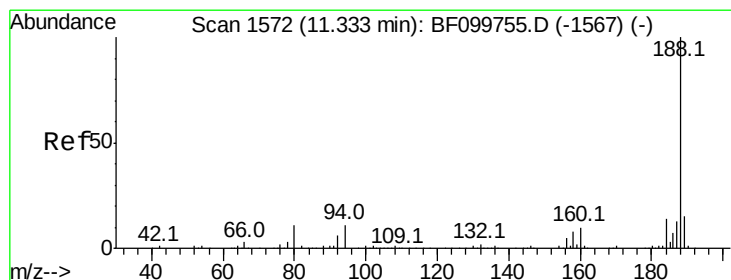
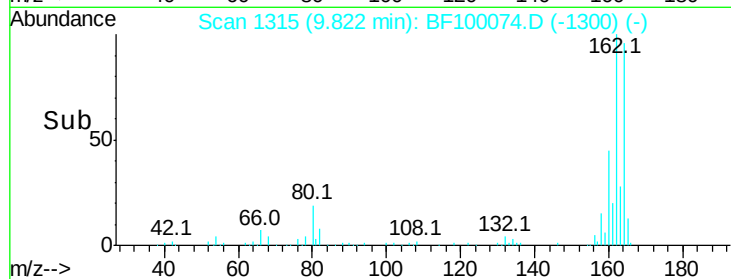
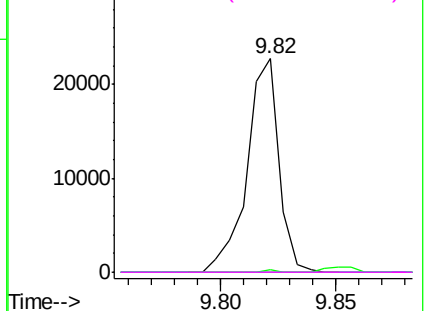
#56
 2,4-Dinitrotoluene
 Concen: 6.354 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22025
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

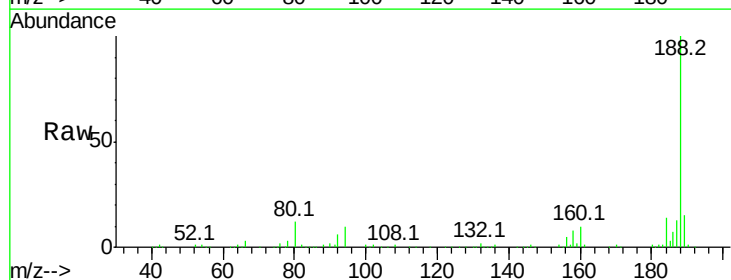


Abundance Ion 165.00 (164.70 to 165.70): E

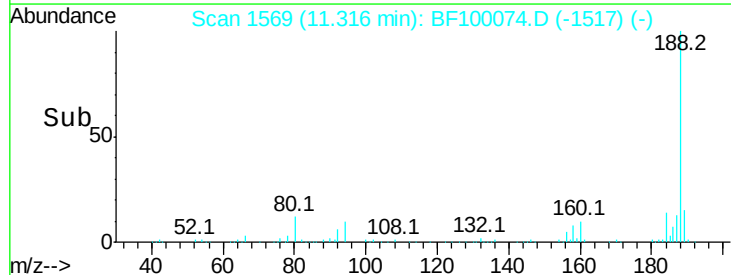
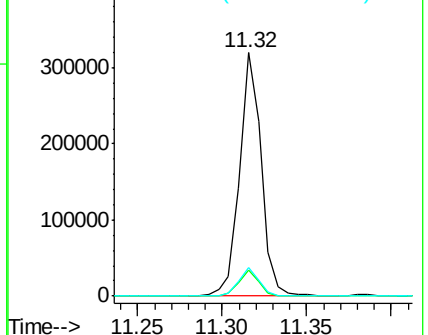


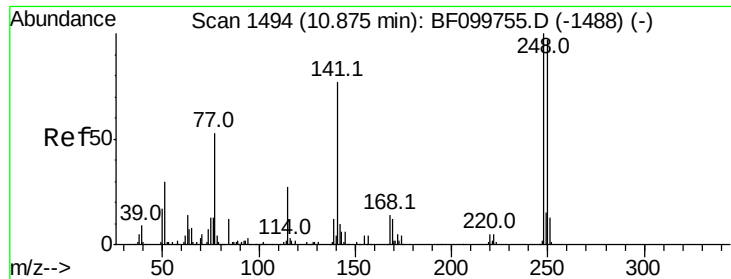
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

Tgt Ion:188 Resp: 285244
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

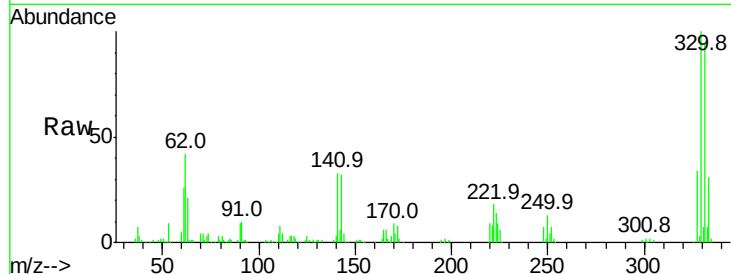




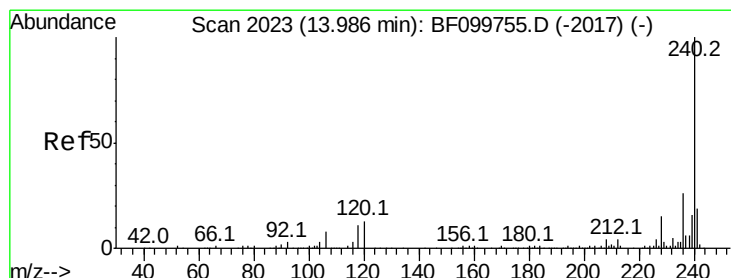
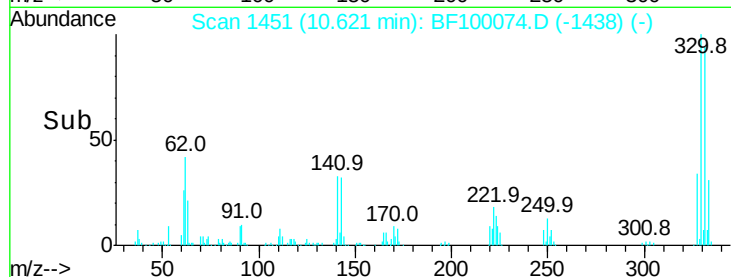
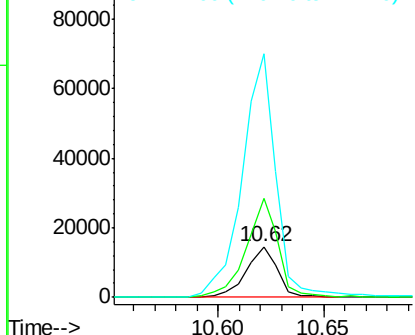
#66
 4-Bromophenyl-phenylether
 Concen: 4.965 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.22 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14911
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.9 115.3#
 141 481.7 74.4 111.6#

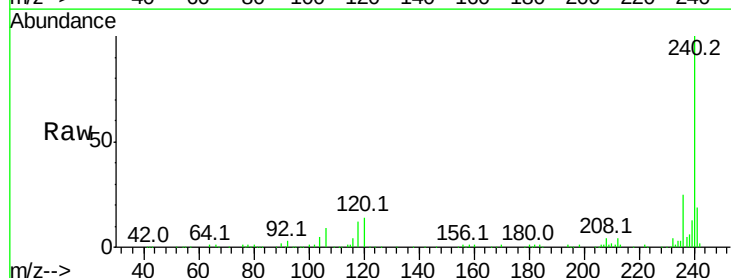


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

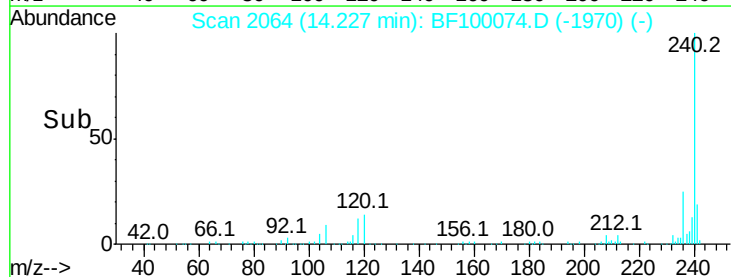
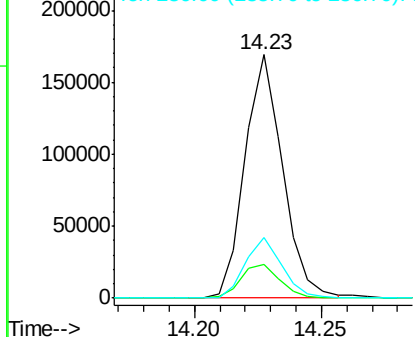


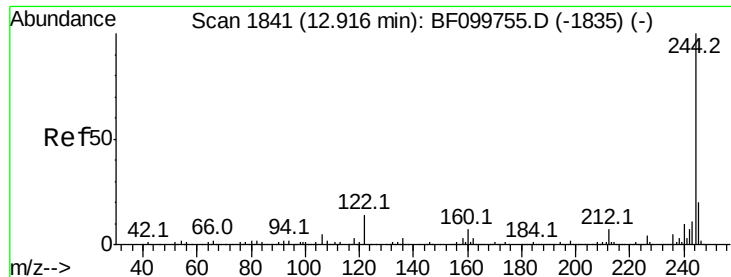
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.23 min Scan# 2064
 Delta R.T. 0.25 min
 Lab File: BF100074.D
 Acq: 2 Nov 2017 5:16

Tgt Ion:240 Resp: 175226
 Ion Ratio Lower Upper
 240 100
 120 13.9 9.5 14.3
 236 24.7 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: 116.077 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.08 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Instrument :

BNA_F

ClientSampleId :

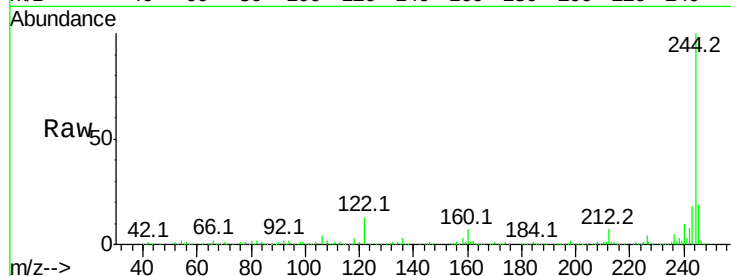
Tot Ion:244 Resp: 930723

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

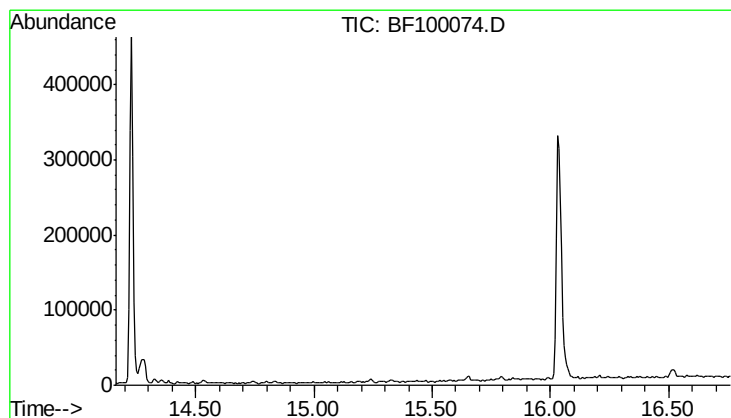
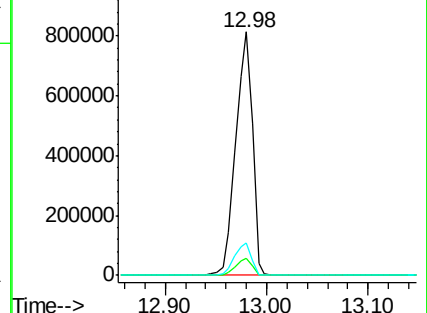
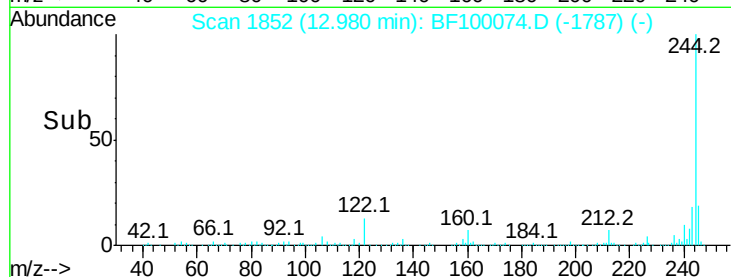
122 13.1 11.0 16.4



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: 0.000 ng

Expected RT: 15.46 min

Lab File: BF100074.D

Acq: 2 Nov 2017 5:16

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.0

265 21.9

