

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099852.D
 Acq On : 26 Oct 2017 10:17
 Operator : SJ/JU
 Sample : I6023-02
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 11:18:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

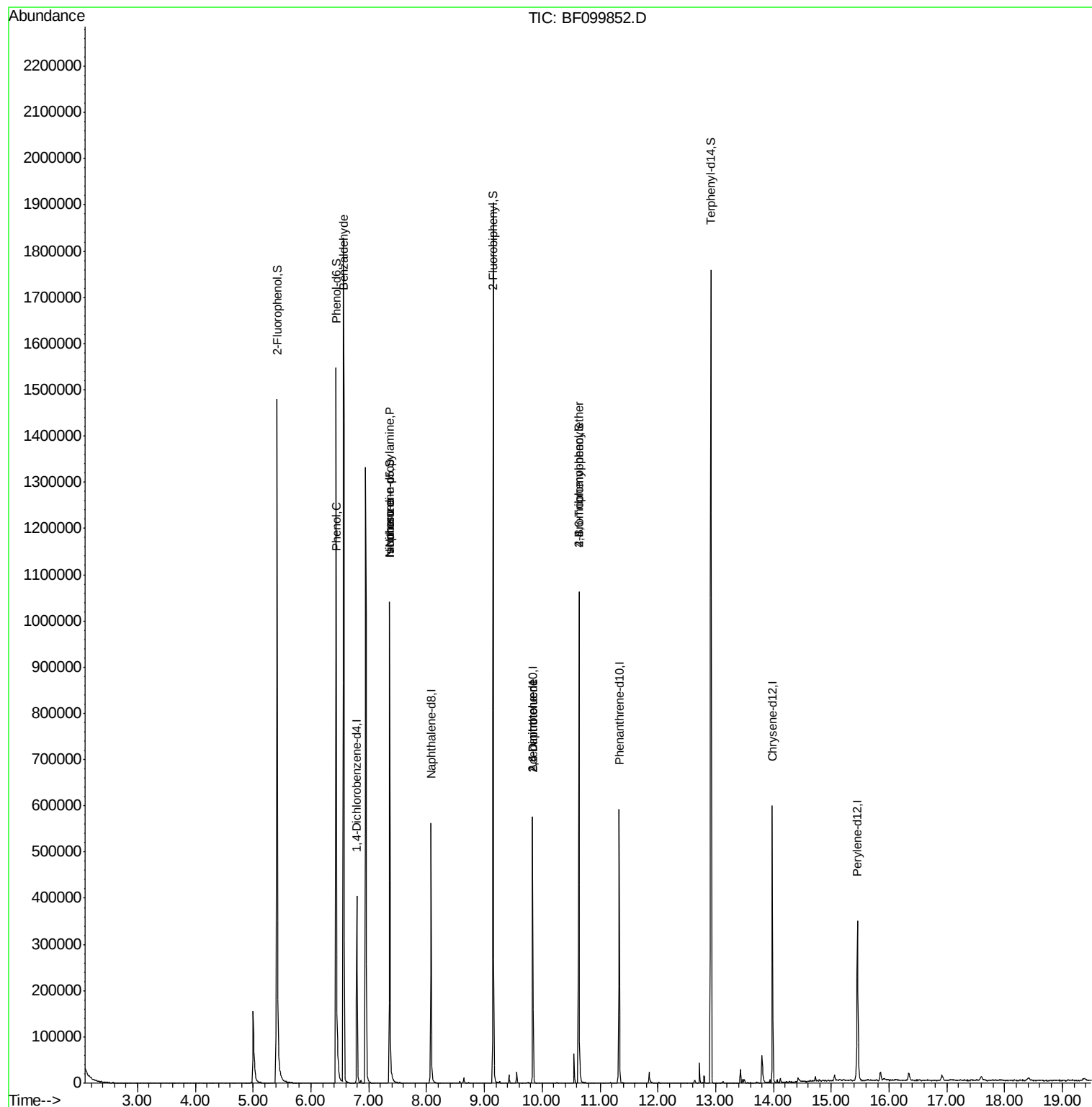
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	64856	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	264331	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	120562	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	220064	20.00	ng	0.00
75) Chrysene-d12	13.98	240	194953	20.00	ng	0.00
86) Perylene-d12	15.45	264	170192	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	523977	126.84	ng	0.00
7) Phenol-d6	6.43	99	619443	126.46	ng	0.00
23) Nitrobenzene-d5	7.36	82	341988	83.29	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	134269	122.21	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	612156	78.34	ng	0.00
78) Terphenyl-d14	12.92	244	565477	63.39	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.56	77	9553	3.264	ng	93
10) Phenol	6.45	94	20204	3.757	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	41819	14.569	ng	# 72
25) Isophorone	7.36	82	341988	45.903	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	15521	7.733	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	15521	6.421	ng	# 21
66) 4-Bromophenyl-phenylether	10.63	248	8954	3.865	ng	# 1

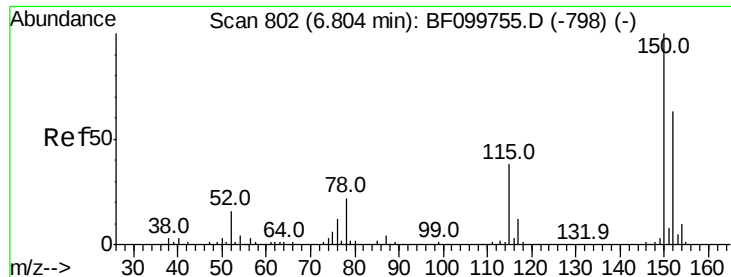
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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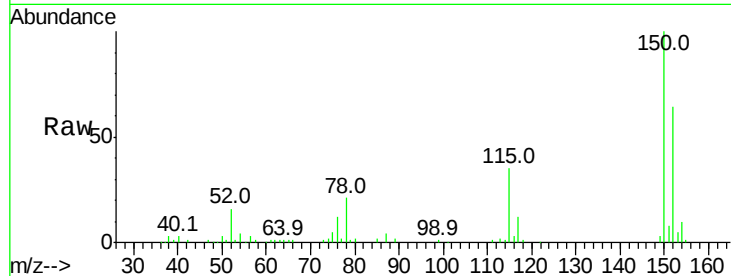


#1

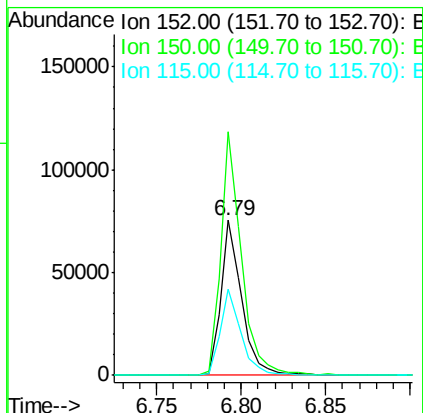
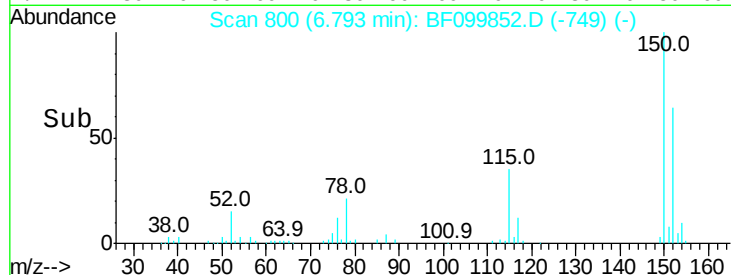
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64856
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 55.7 50.1 75.1



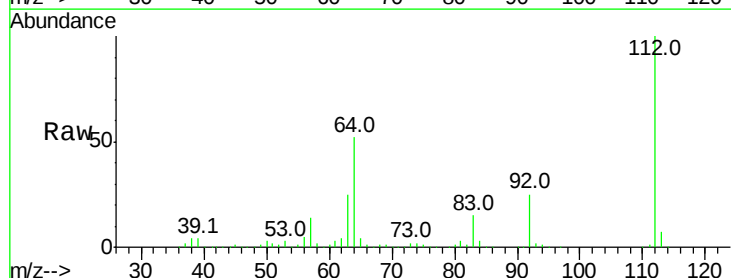
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



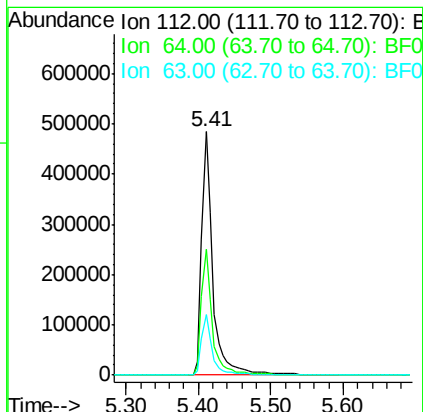
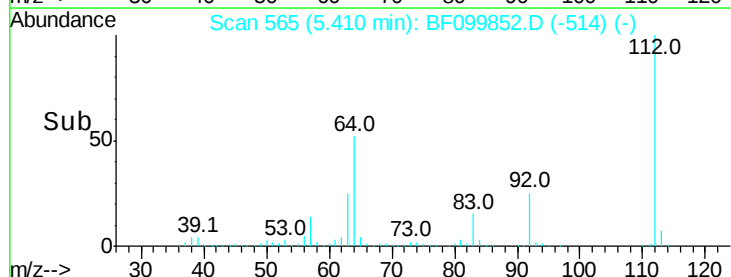
#5

2-Fluorophenol
Concen: 126.839 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

Tgt Ion:112 Resp: 523977
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 24.8 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: 126.462 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

Instrument :

BNA_F

ClientSampleId :

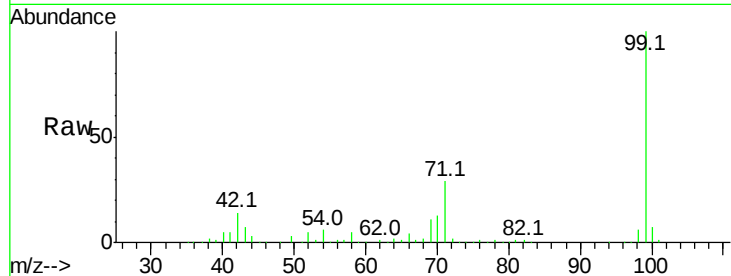
Tot Ion: 99 Resp: 619443

Ion Ratio Lower Upper

99 100

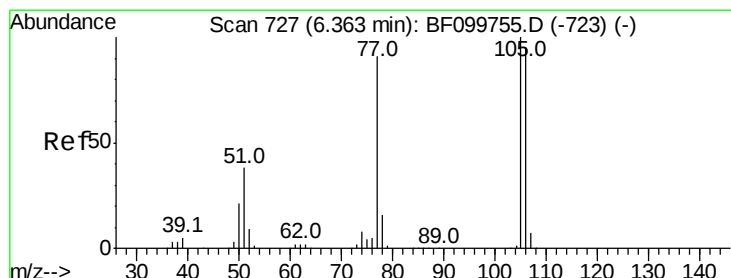
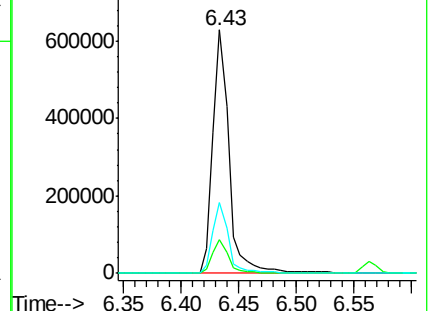
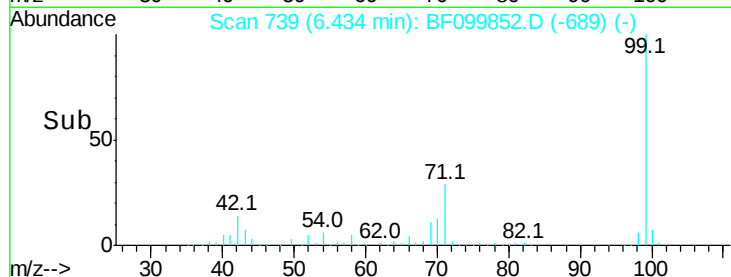
42 13.9 14.5 21.7#

71 29.0 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

6.43



#9

Benzaldehyde

Concen: 3.264 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

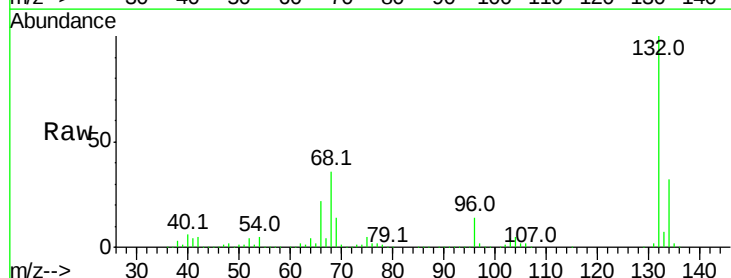
Tgt Ion: 77 Resp: 9553

Ion Ratio Lower Upper

77 100

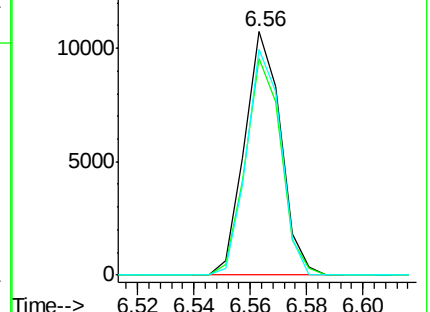
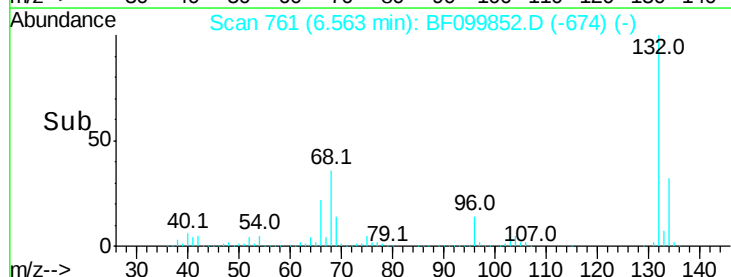
105 89.2 81.1 121.1

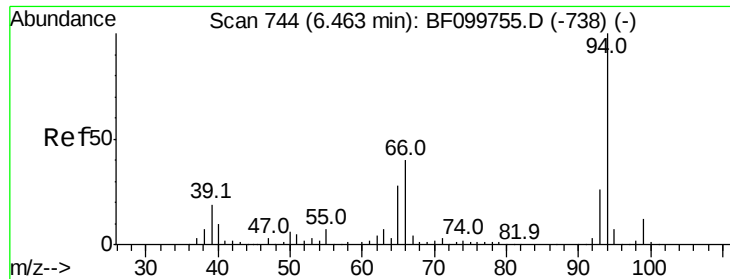
106 92.5 74.5 114.5



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

6.56





#10

Phenol

Concen: 3.757 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

Instrument :

BNA_F

ClientSampleId :

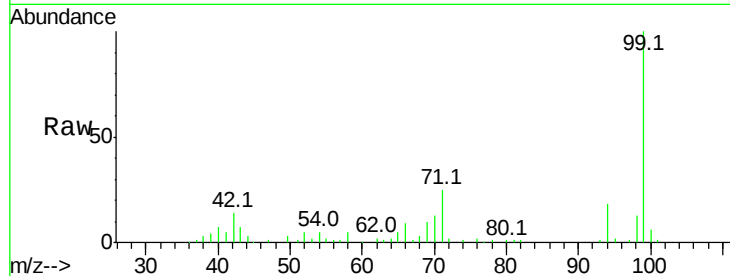
Tot Ion: 94 Resp: 20204

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

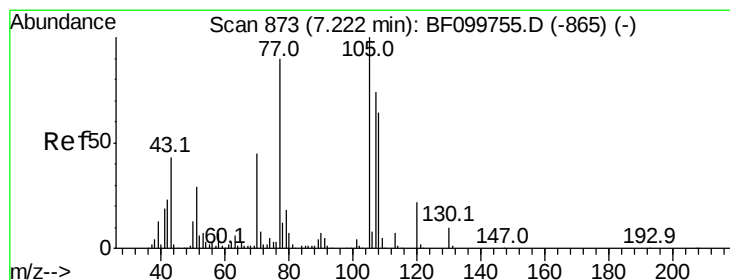
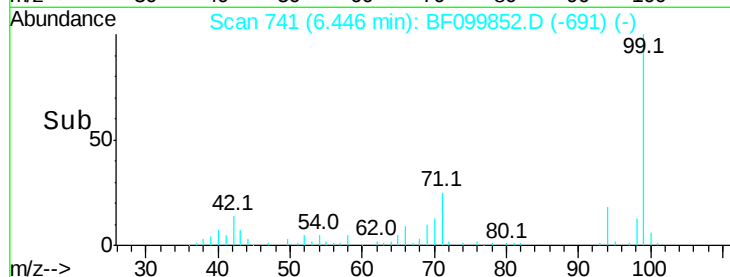
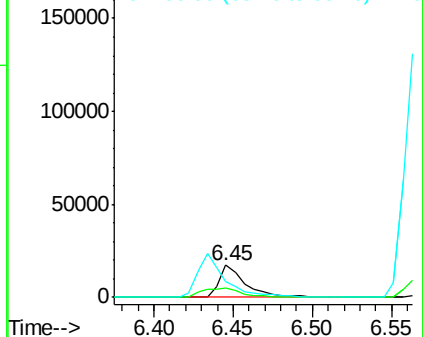
66 49.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.569 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

Tgt Ion: 70 Resp: 41819

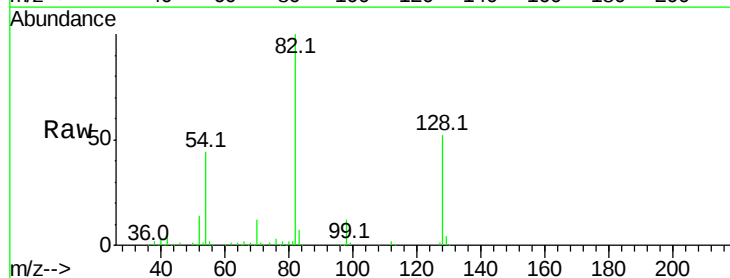
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

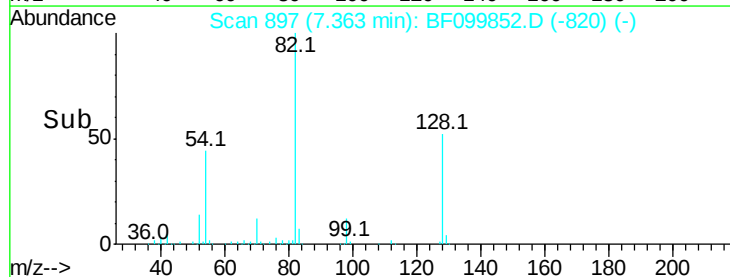
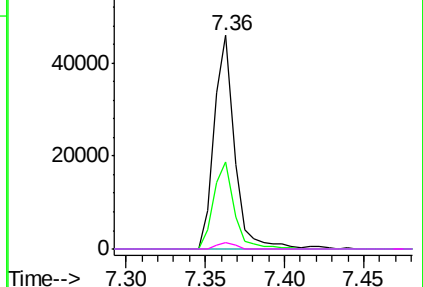


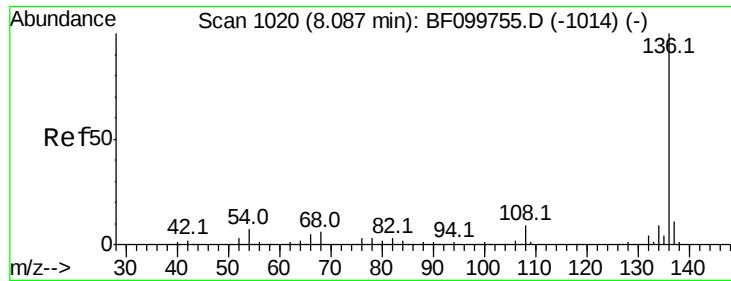
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

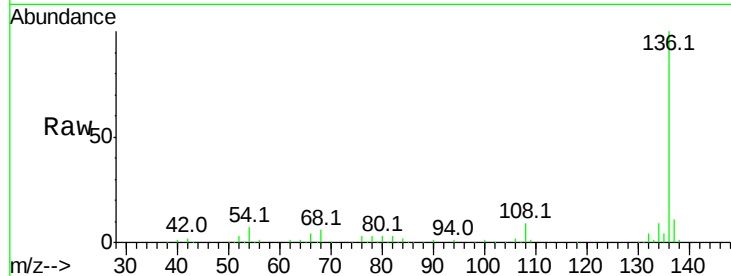




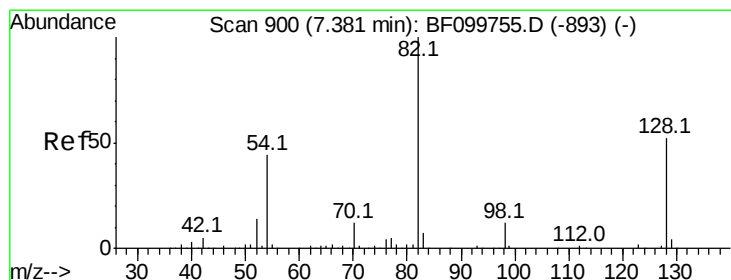
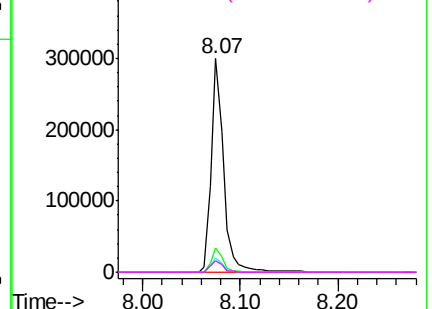
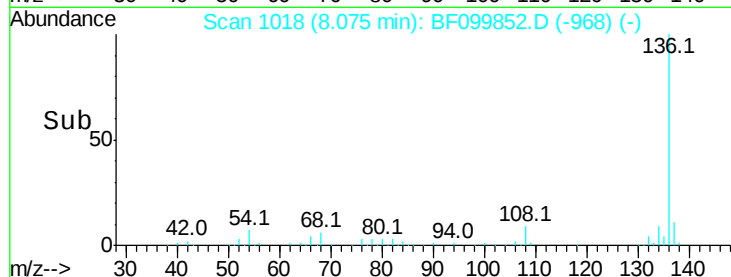
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	264331
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.9	6.6	9.8
68	5.7	5.0	7.4

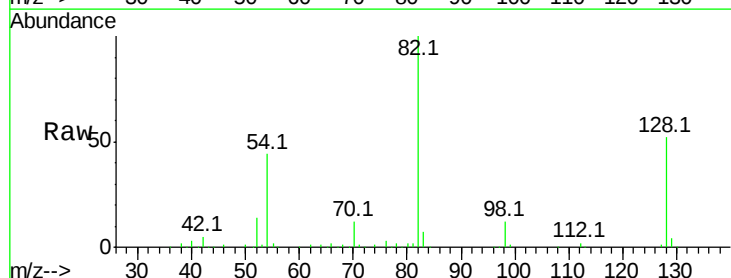


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

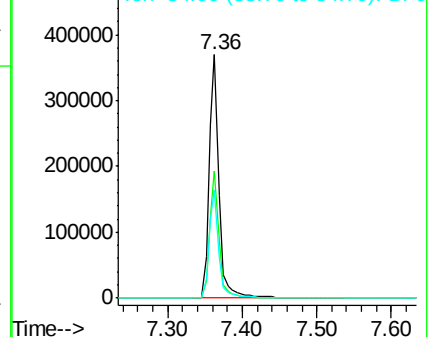
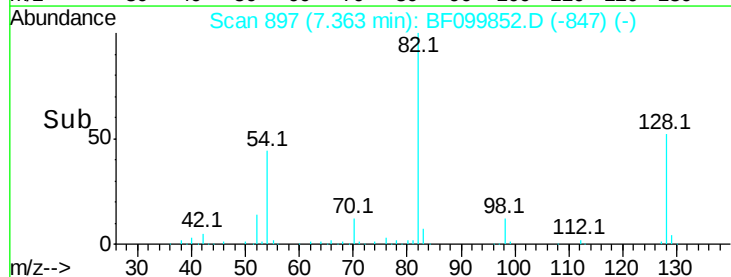


#23
Nitrobenzene-d5
Concen: 83.295 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

Tgt Ion:	82	Resp:	341988
Ion	Ratio	Lower	Upper
82	100		
128	52.0	36.1	54.1
54	44.4	41.4	62.2



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





#25

Isophorone

Concen: 45.903 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

Instrument :

BNA_F

ClientSampleId :

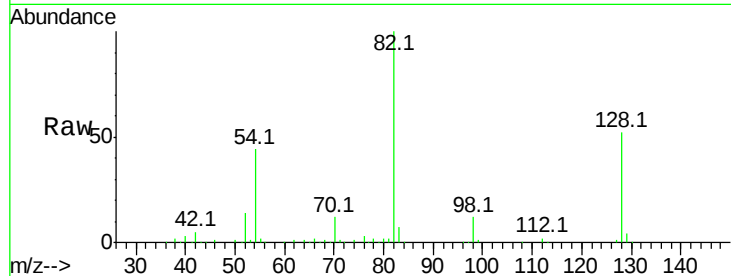
Tot Ion: 82 Resp: 341988

Ion Ratio Lower Upper

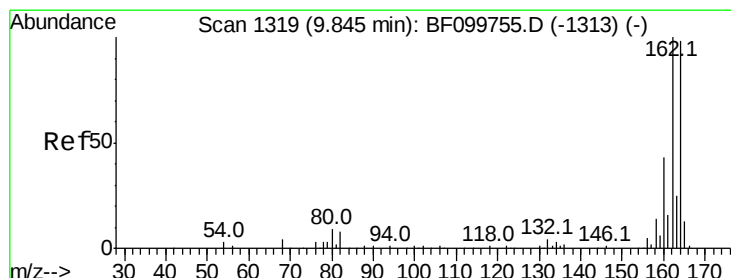
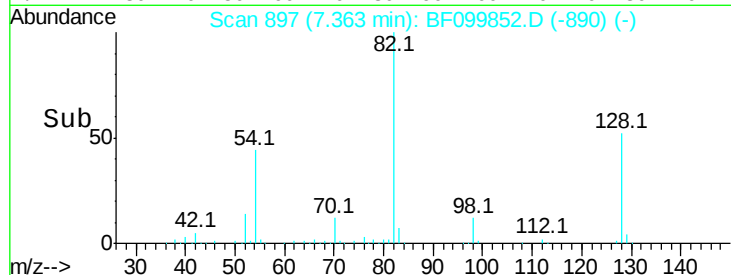
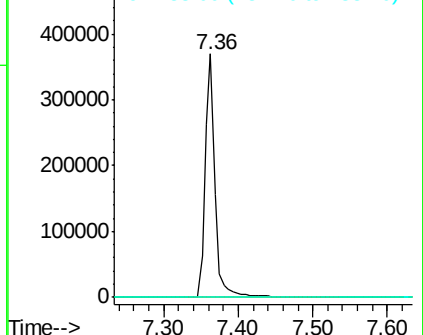
82 100

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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099852.D

Acq: 26 Oct 2017 10:17

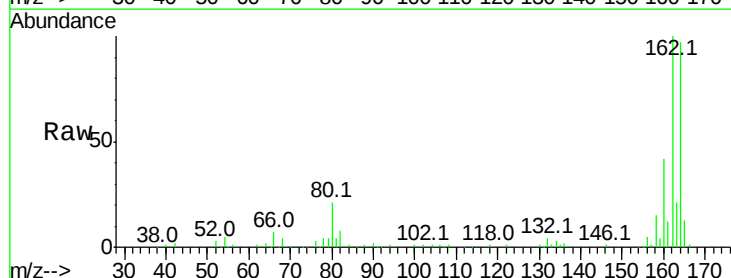
Tgt Ion:164 Resp: 120562

Ion Ratio Lower Upper

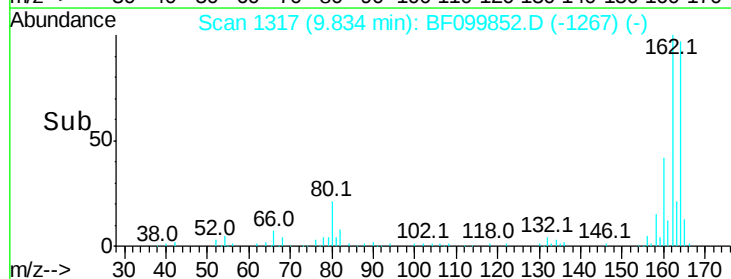
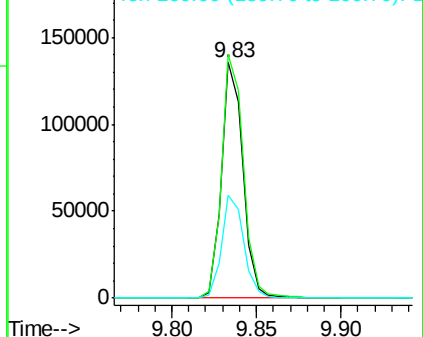
164 100

162 103.4 86.1 129.1

160 43.4 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

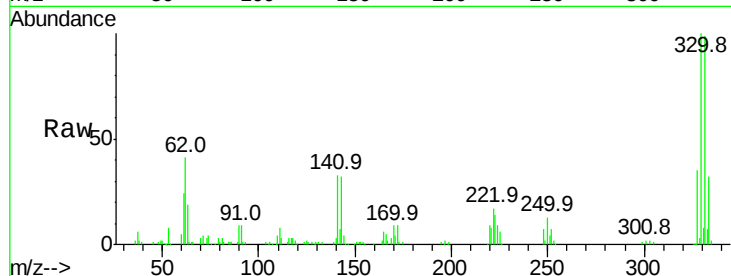




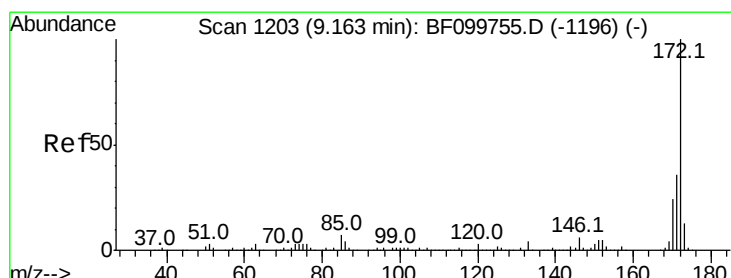
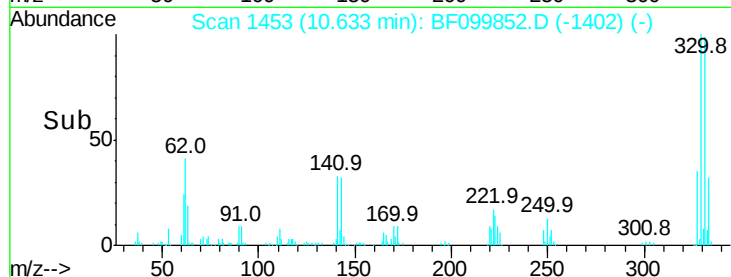
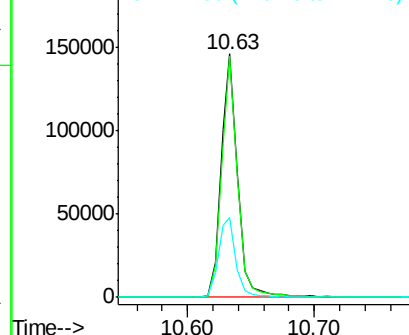
#41
 2,4,6-Tribromophenol
 Concen: 122.207 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	35.2	29.9	44.9

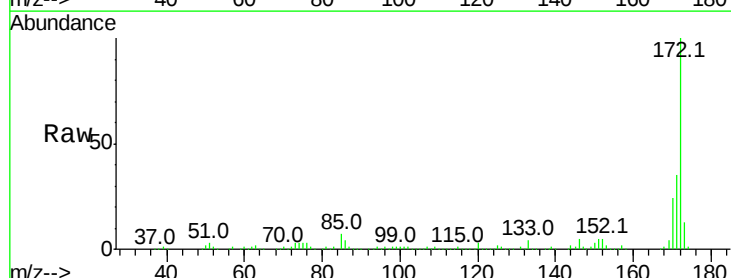


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

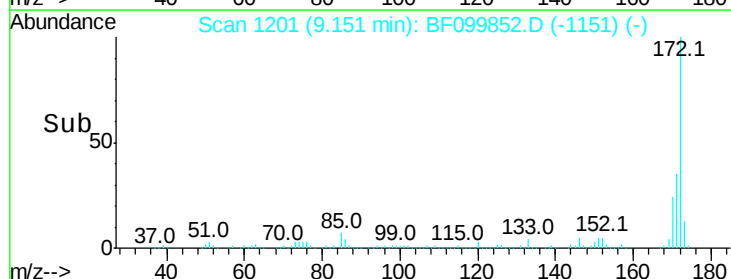
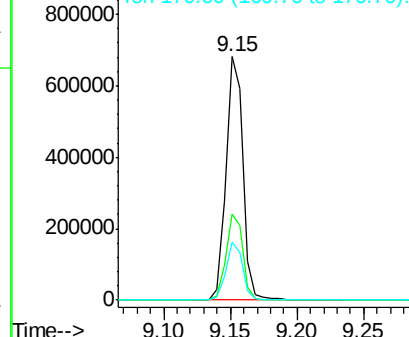


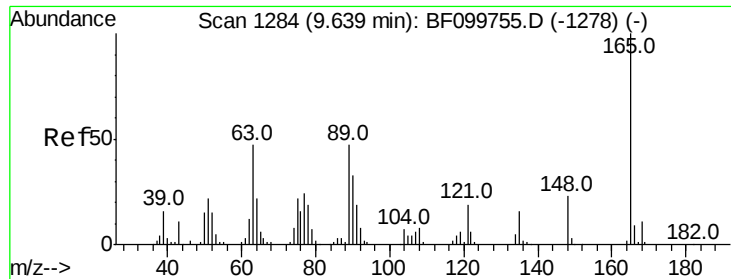
#44
 2-Fluorobiphenyl
 Concen: 78.338 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	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

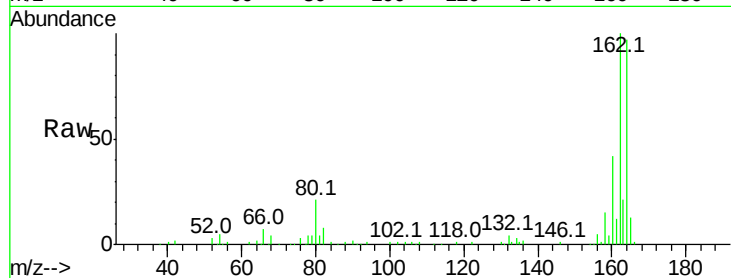




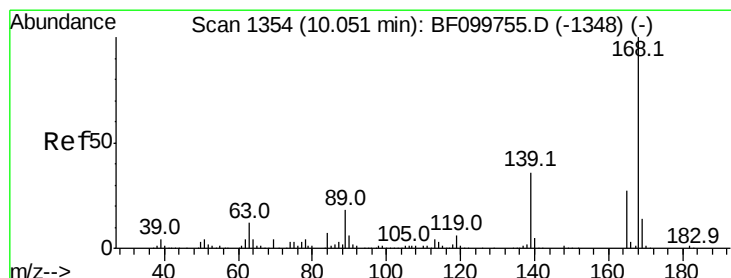
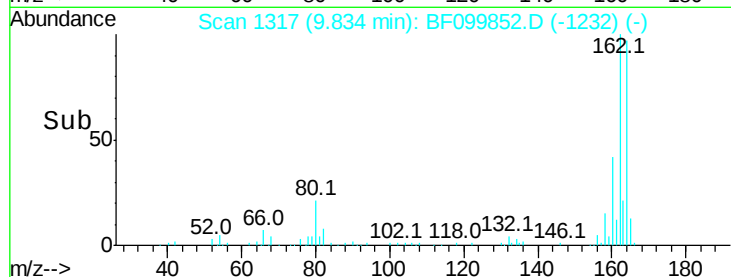
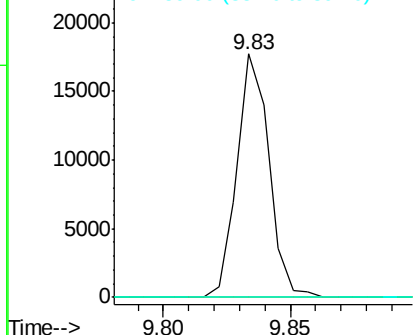
#50
 2,6-Dinitrotoluene
 Concen: 7.733 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Instrument :
 BNA_F
 ClientSampleId :

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

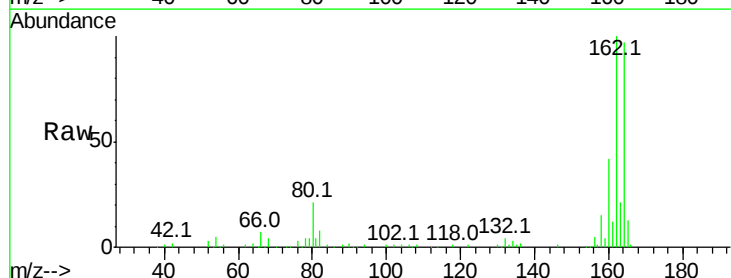


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

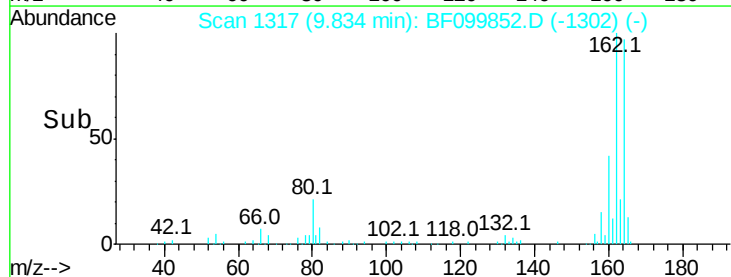
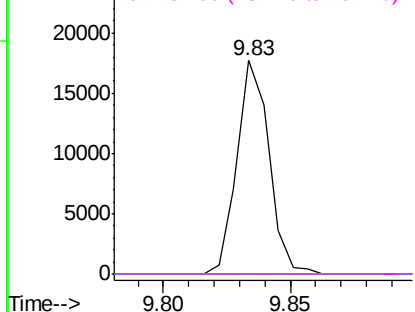


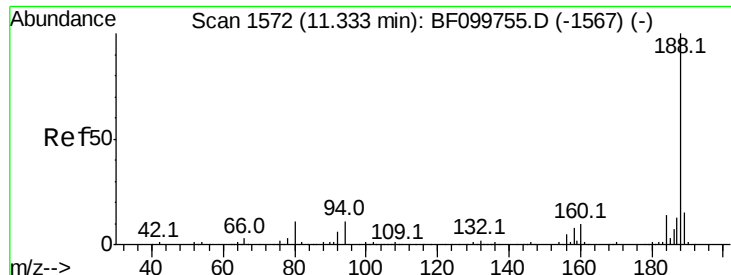
#56
 2,4-Dinitrotoluene
 Concen: 6.421 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Tgt 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): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

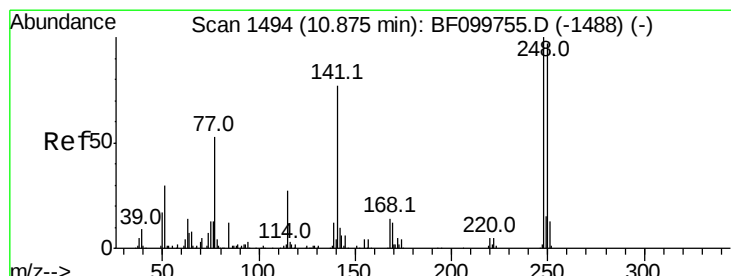
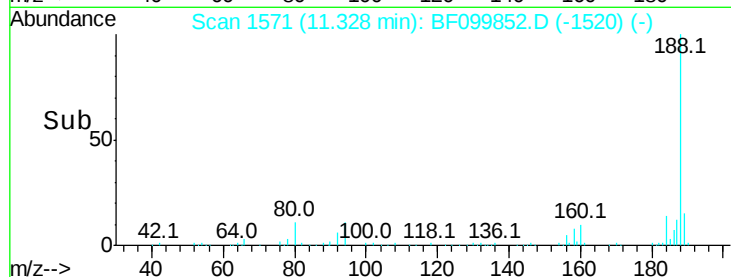
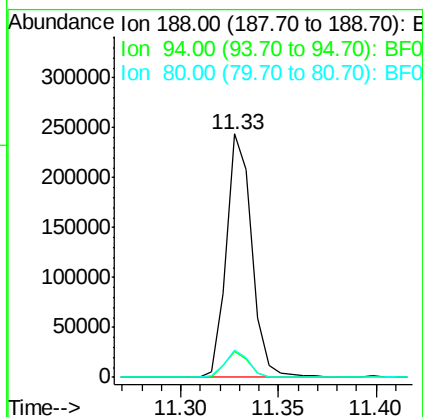
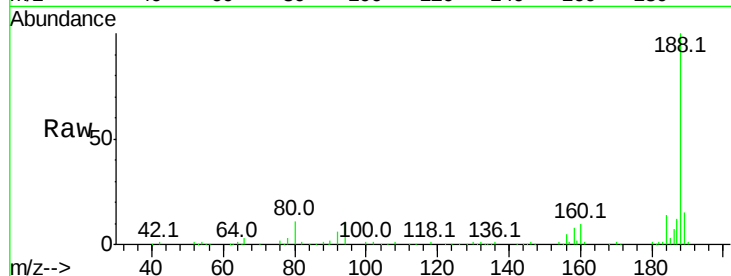




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

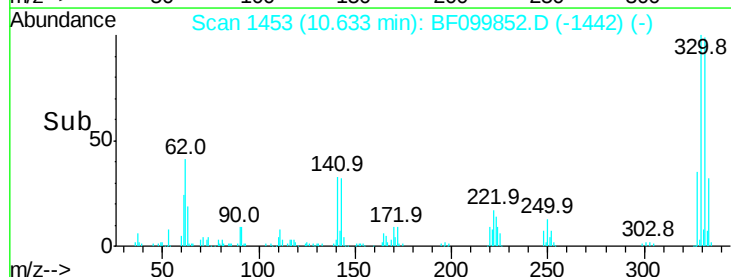
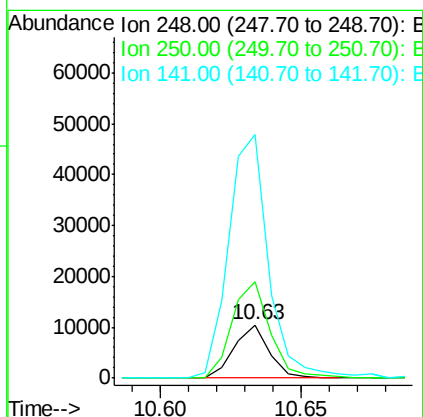
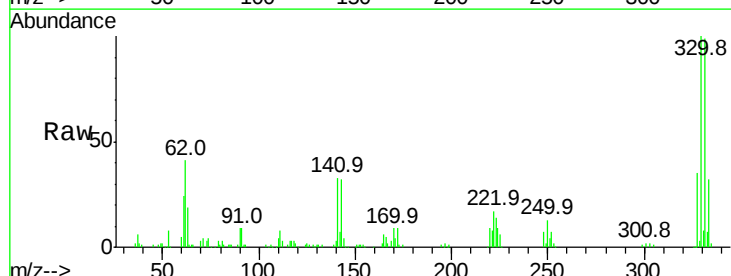
Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 220064
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.865 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099852.D
Acq: 26 Oct 2017 10:17

Tgt Ion:248 Resp: 8954
Ion Ratio Lower Upper
248 100
250 181.2 76.9 115.3#
141 457.4 74.4 111.6#

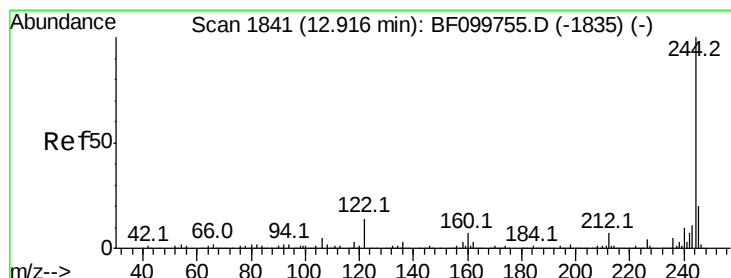
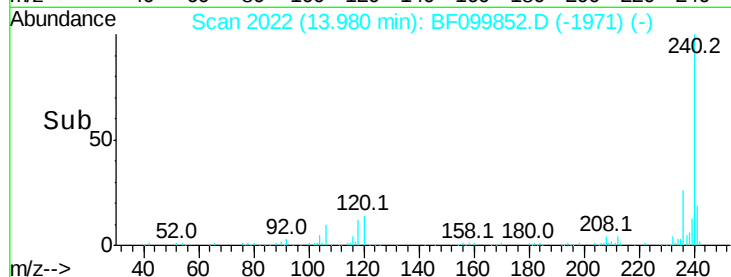
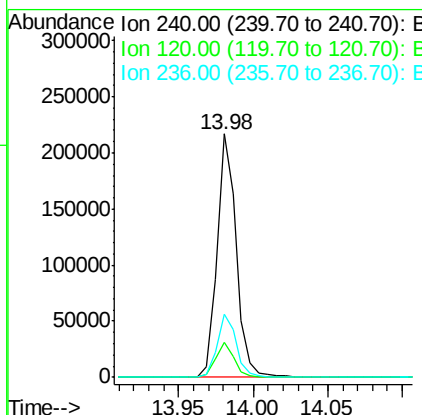
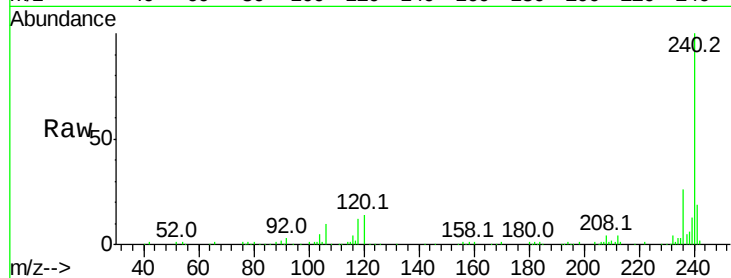




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

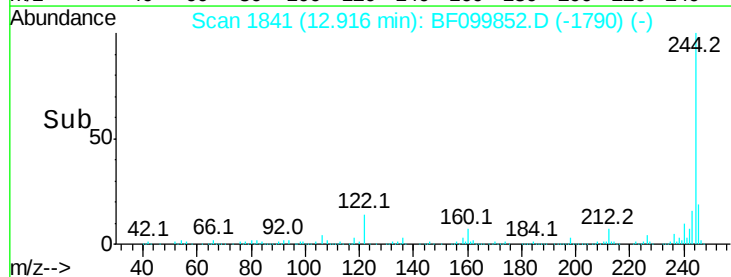
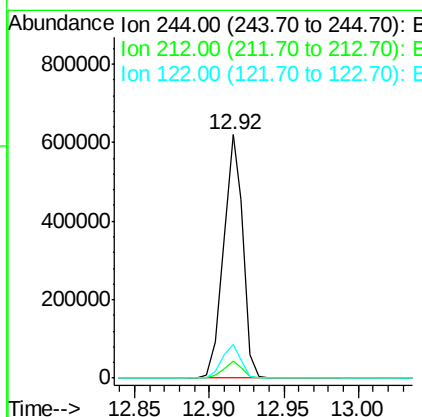
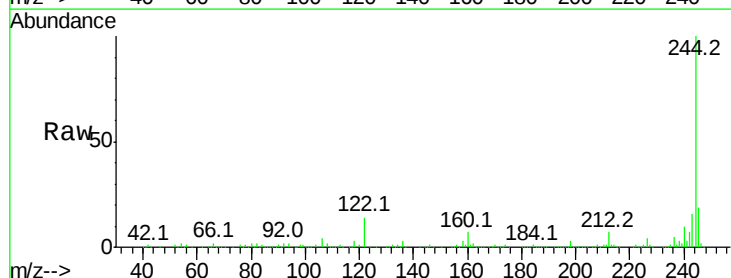
Instrument :
 BNA_F
 ClientSampleID :

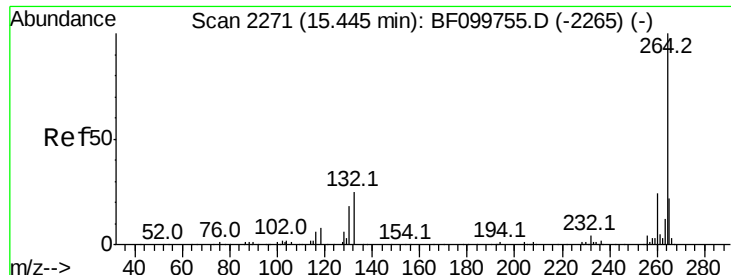
Tot Ion:240 Resp: 194953
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 25.9 20.7 31.1



#78
 Terphenyl-d14
 Concen: 63.388 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Tgt Ion:244 Resp: 565477
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.8 11.0 16.4

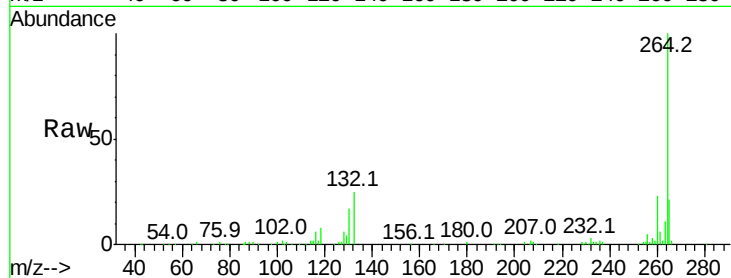




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF099852.D
 Acq: 26 Oct 2017 10:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	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

