

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099703.D
 Acq On : 20 Oct 2017 16:20
 Operator : SJ/JU
 Sample : I5929-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:23:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

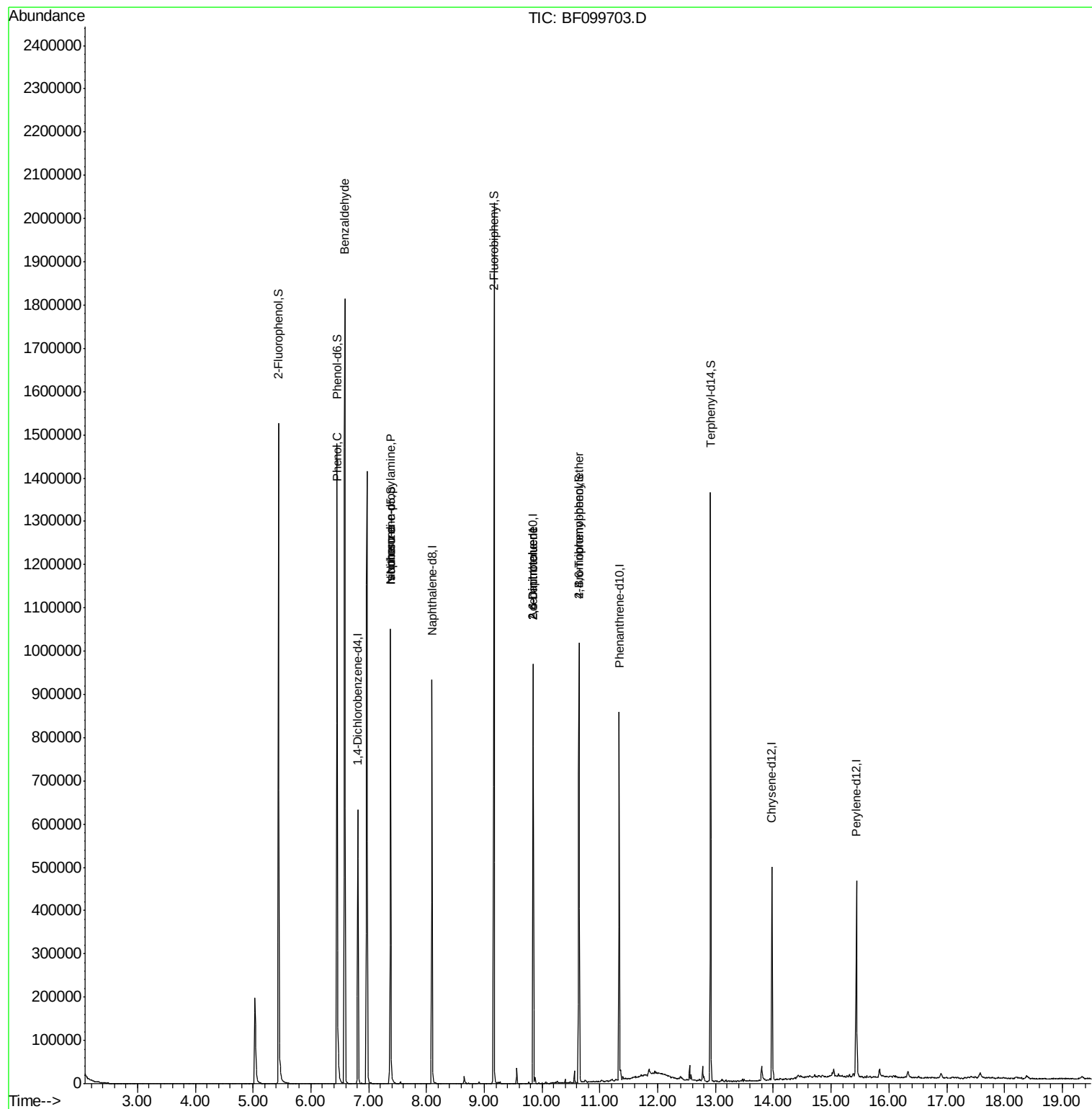
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	101584	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	420683	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	186311	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	284807	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	169269	20.00	ng	0.00
86) Perylene-d12	15.44	264	188756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	496155	77.75	ng	0.00
7) Phenol-d6	6.45	99	592462	75.26	ng	-0.01
23) Nitrobenzene-d5	7.38	82	345353	52.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	108402	71.11	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	666406	59.71	ng	0.00
78) Terphenyl-d14	12.92	244	396568	53.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	9321	2.041	ng	84
10) Phenol	6.46	94	30767	3.495	ng	94
19) n-Nitroso-di-n-propylamine	7.38	70	42241	8.405	ng	# 73
25) Isophorone	7.38	82	345353	25.464	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	23555	7.694	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	23555	5.929	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	7197	2.582	ng	# 1

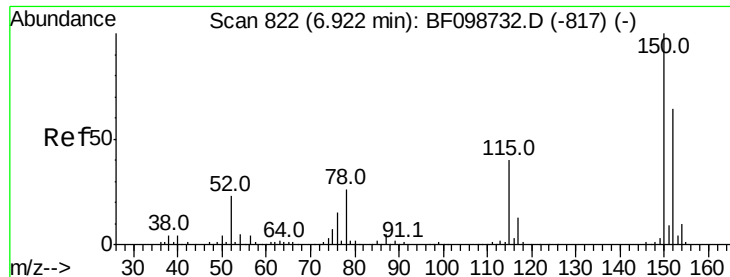
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



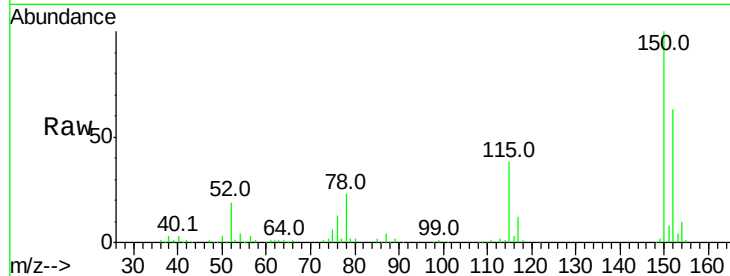


#1

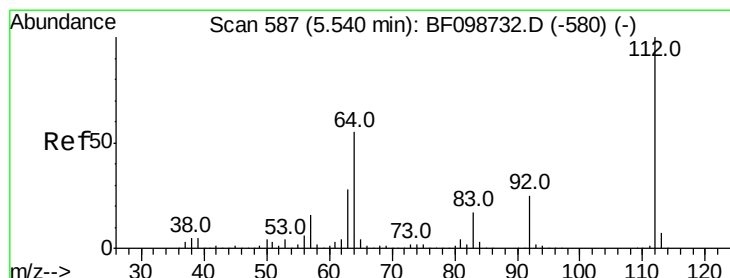
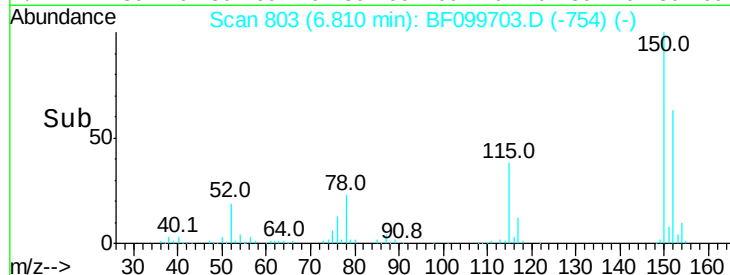
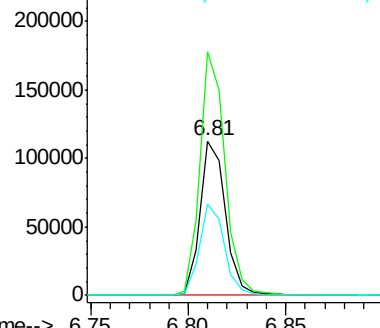
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101584
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 59.2 50.1 75.1



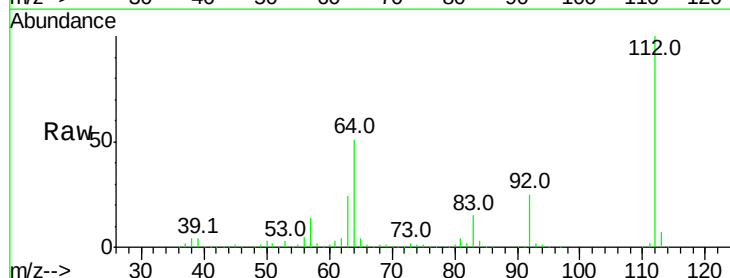
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



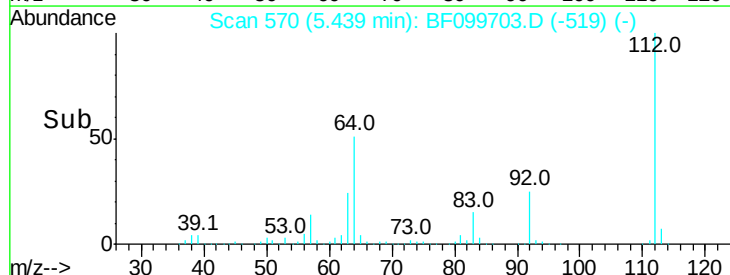
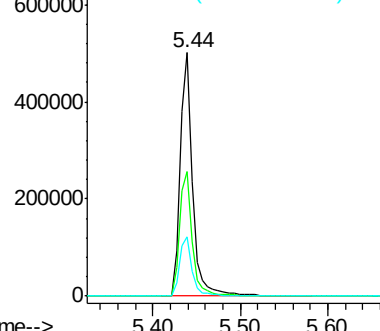
#5

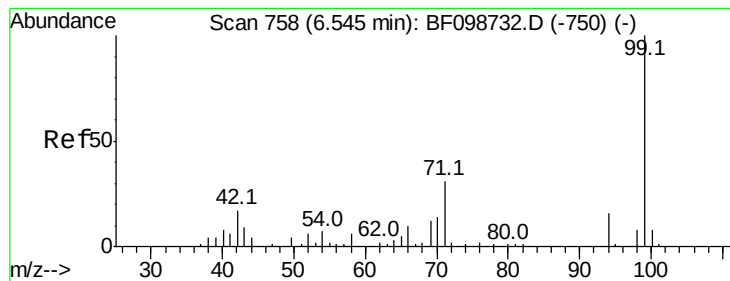
2-Fluorophenol
Concen: 77.751 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Tgt Ion:112 Resp: 496155
Ion Ratio Lower Upper
112 100
64 51.4 47.9 71.9
63 24.5 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: 75.261 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099703.D

Acq: 20 Oct 2017 16:20

Instrument :

BNA_F

ClientSampled :

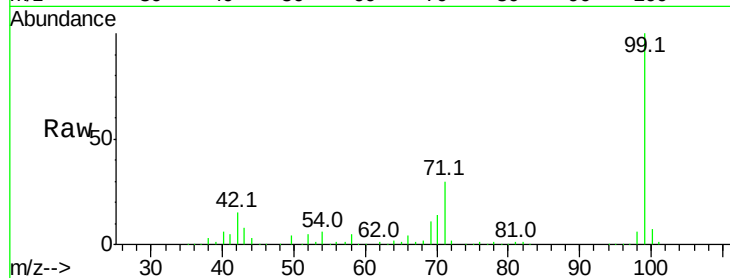
Tot Ion: 99 Resp: 592462

Ion Ratio Lower Upper

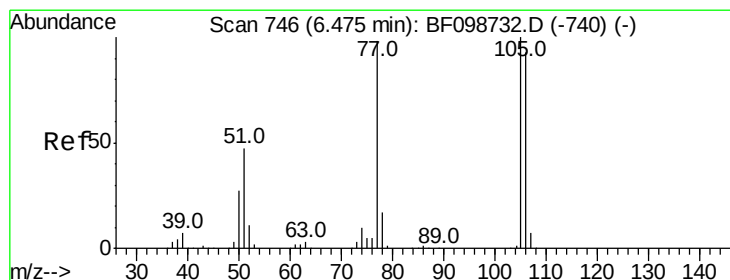
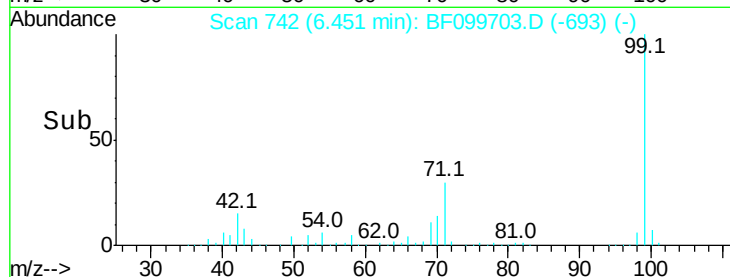
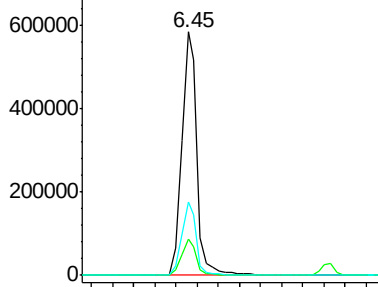
99 100

42 14.7 14.5 21.7

71 30.0 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



#9

Benzaldehyde

Concen: 2.041 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099703.D

Acq: 20 Oct 2017 16:20

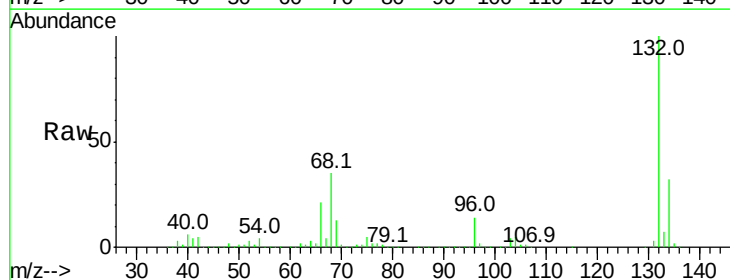
Tgt Ion: 77 Resp: 9321

Ion Ratio Lower Upper

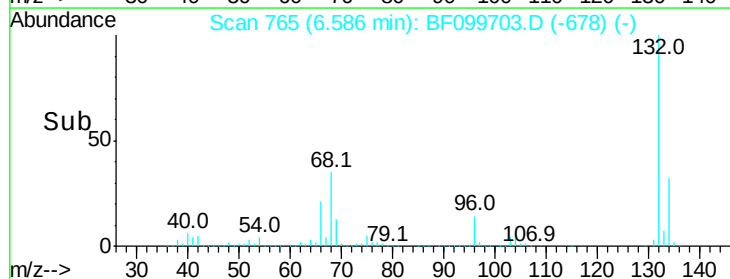
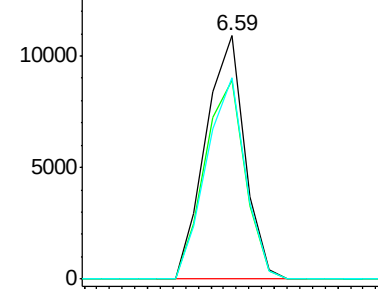
77 100

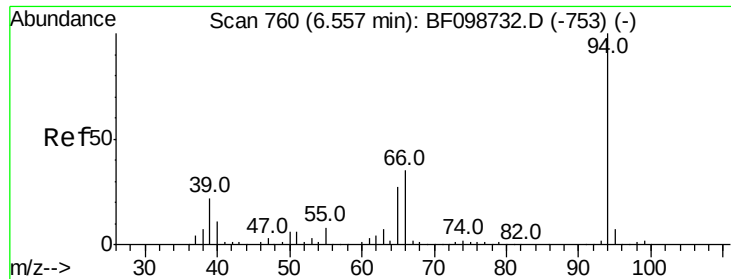
105 81.7 81.1 121.1

106 82.6 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

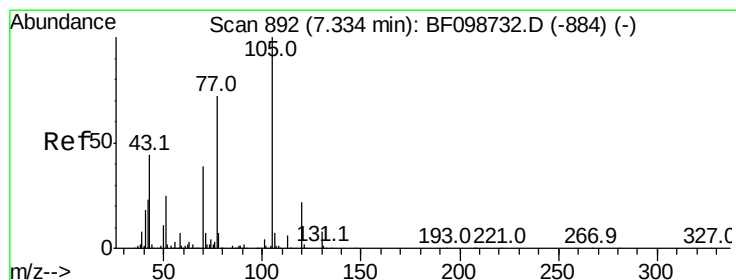
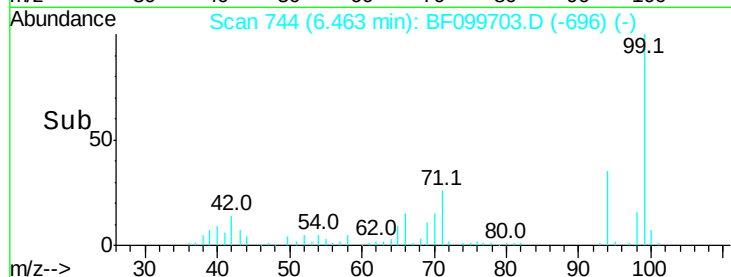
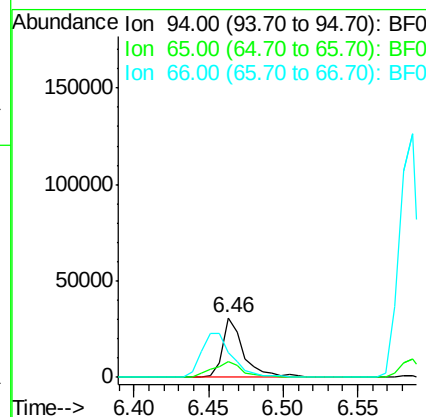
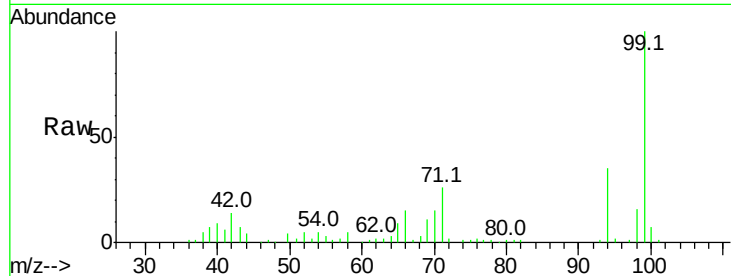




#10
Phenol
Concen: 3.495 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

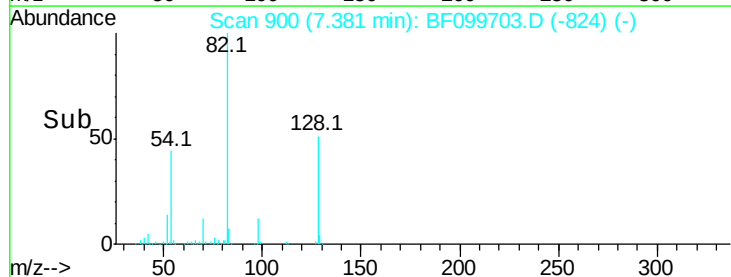
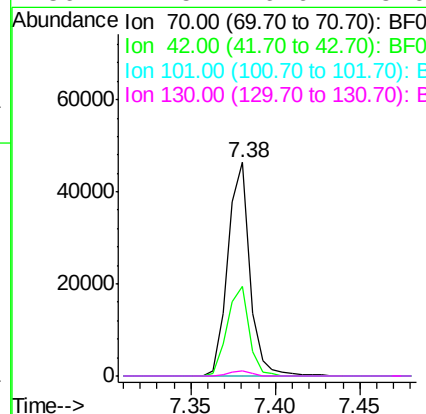
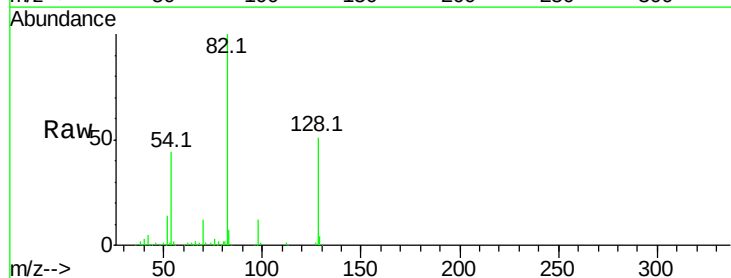
Instrument :
BNA_F
ClientSampleId :

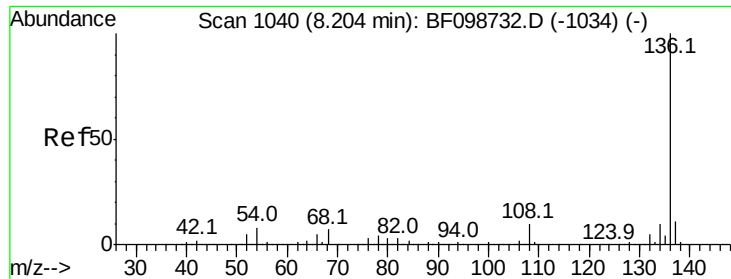
Tot Ion: 94 Resp: 30767
Ion Ratio Lower Upper
94 100
65 27.2 7.9 47.9
66 42.0 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.405 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Tgt Ion: 70 Resp: 42241
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

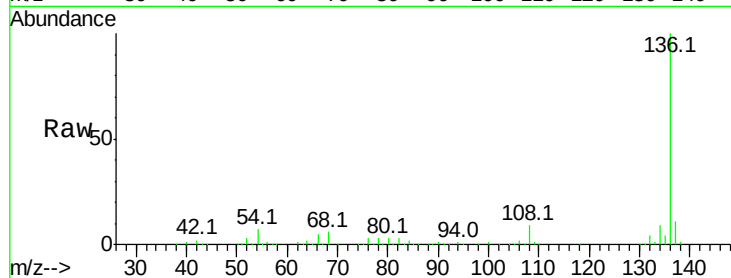




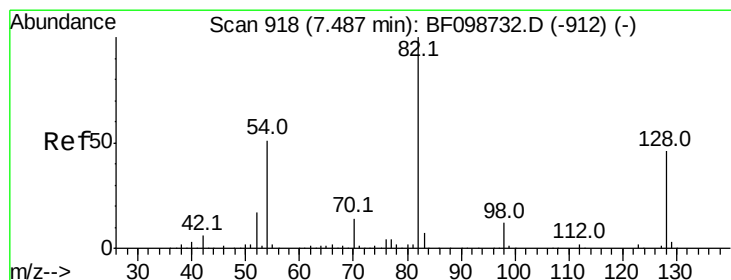
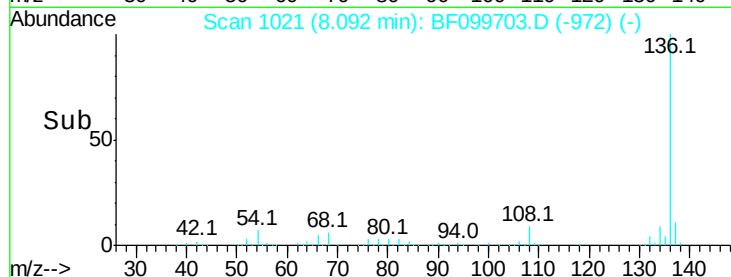
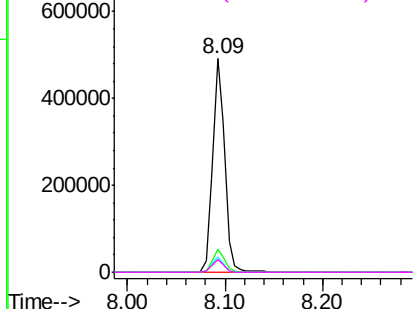
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	420683
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	5.9	5.0	7.4

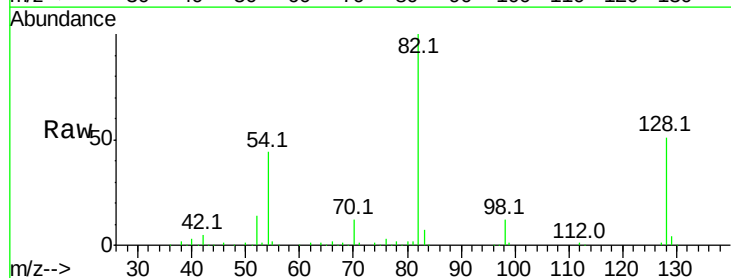


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

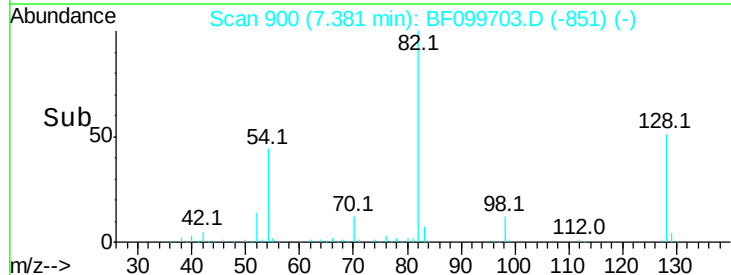
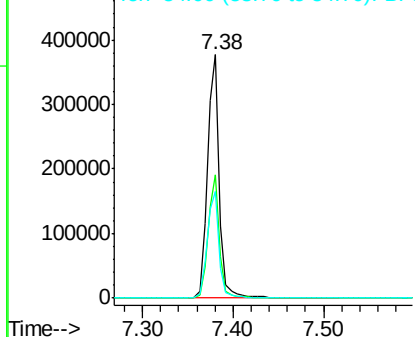


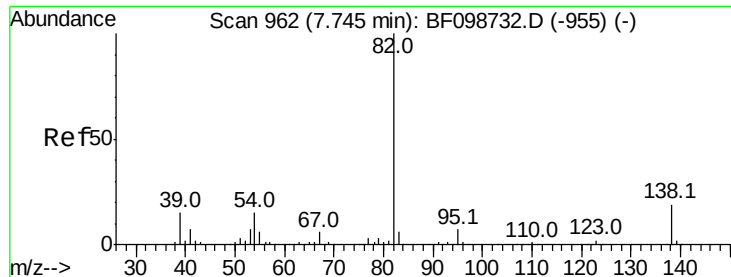
#23
Nitrobenzene-d5
Concen: 52.647 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Tgt Ion:	82	Resp:	345353
Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.1	54.1
54	43.7	41.4	62.2



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





#25

Isophorone

Concen: 25.464 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099703.D

Acq: 20 Oct 2017 16:20

Instrument :

BNA_F

ClientSampleId :

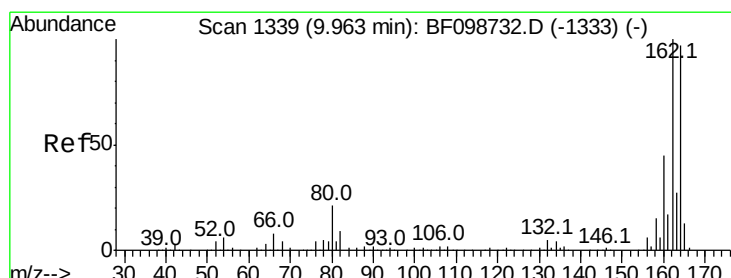
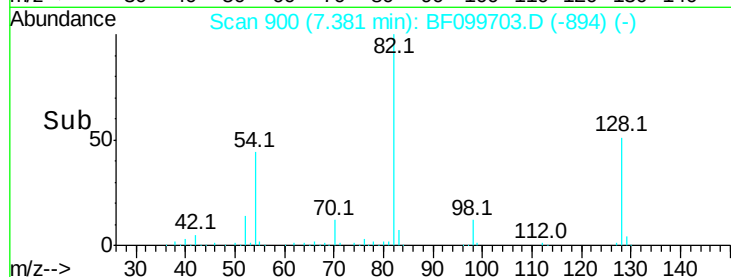
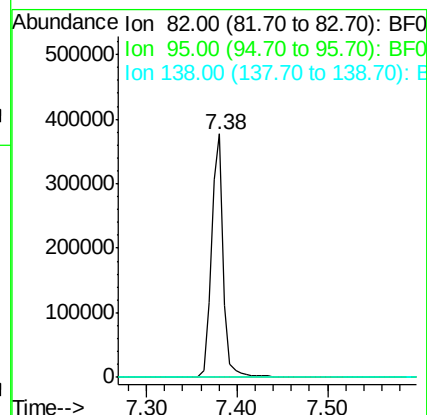
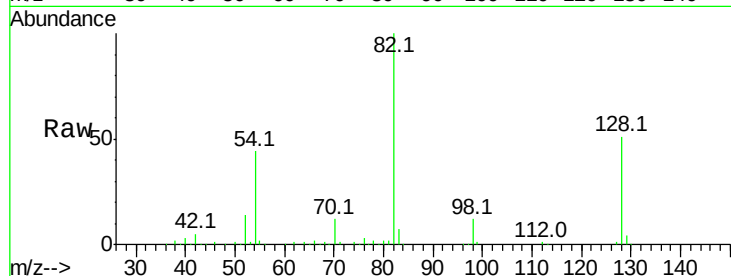
Tot Ion: 82 Resp: 345353

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099703.D

Acq: 20 Oct 2017 16:20

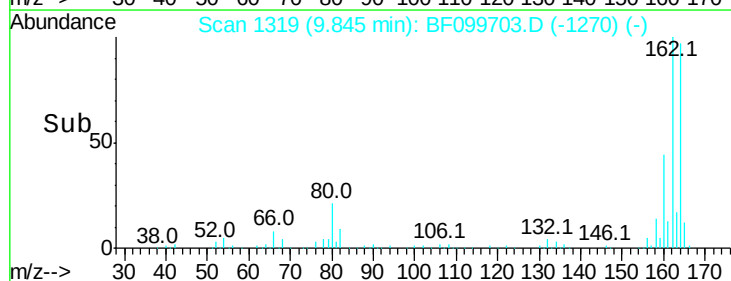
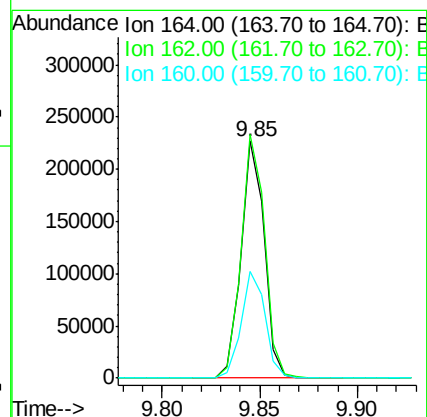
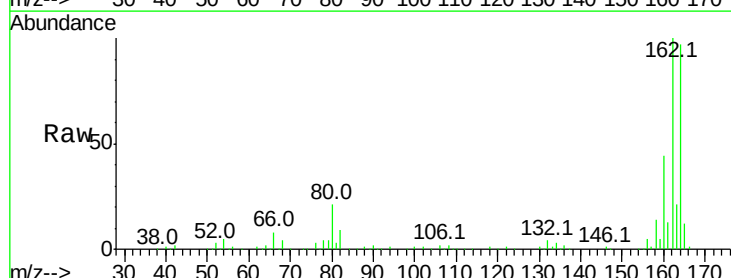
Tgt Ion:164 Resp: 186311

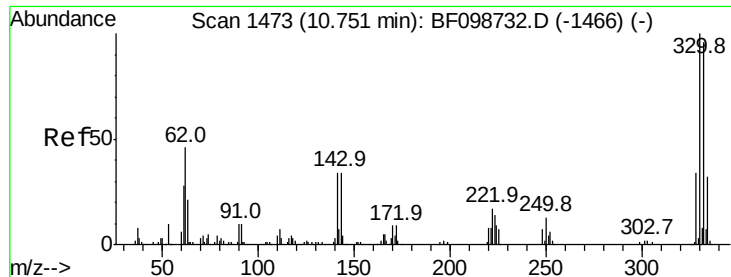
Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

160 45.0 38.3 57.5

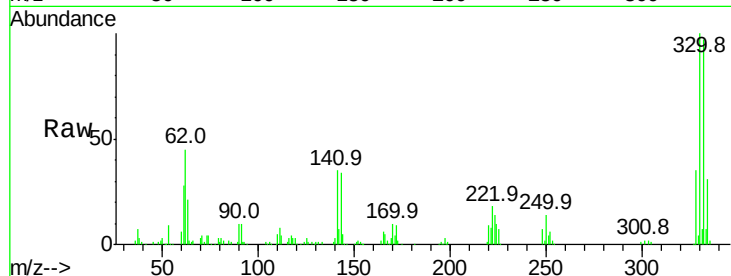




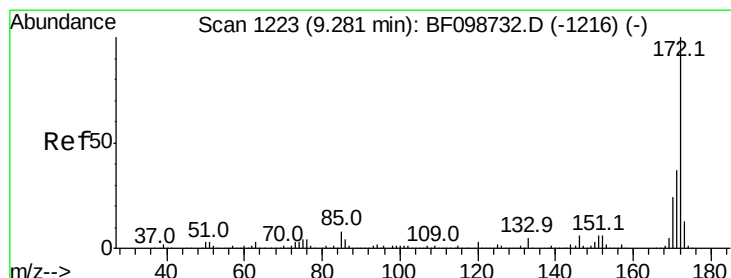
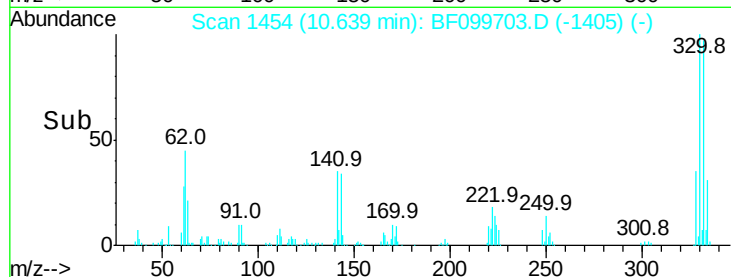
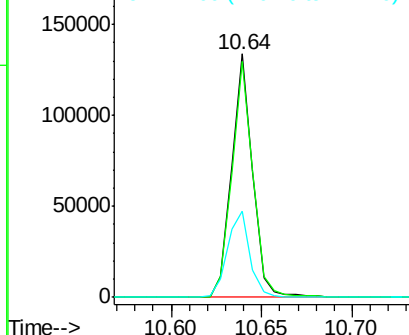
#41
 2,4,6-Tribromophenol
 Concen: 71.105 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	37.6	29.9	44.9

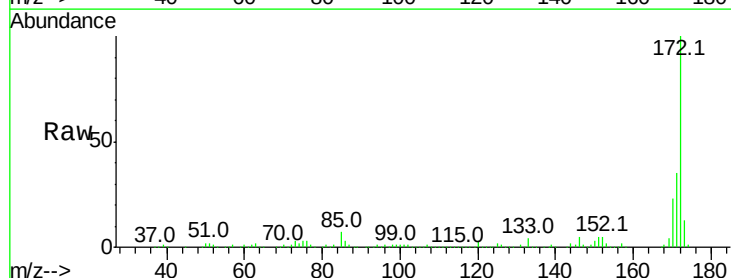


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

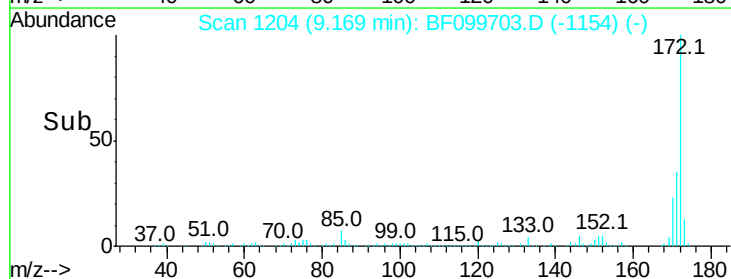
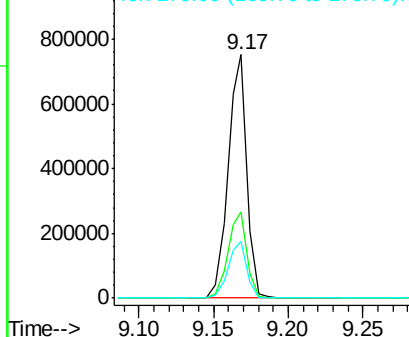


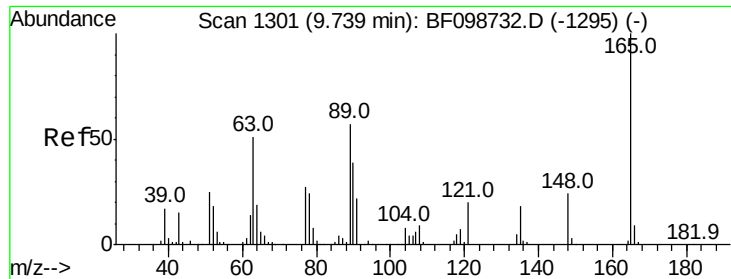
#44
 2-Fluorobiphenyl
 Concen: 59.712 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	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

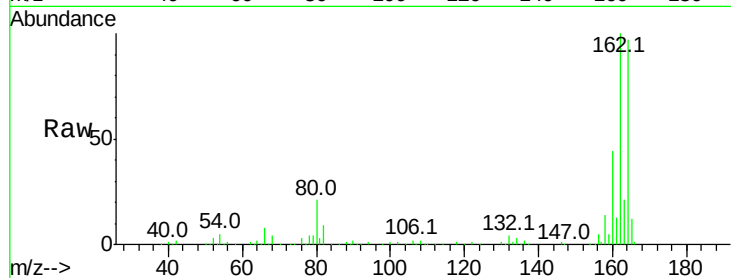




#50
2,6-Dinitrotoluene
Concen: 7.694 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Instrument :
BNA_F
ClientSampleId :

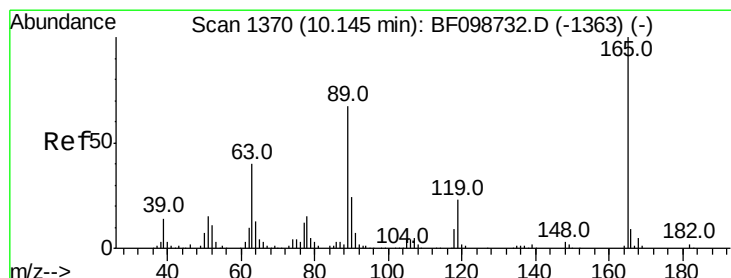
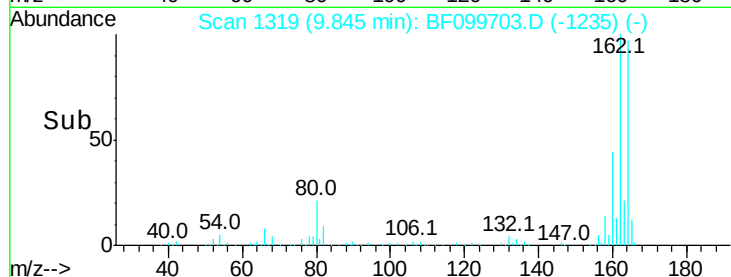
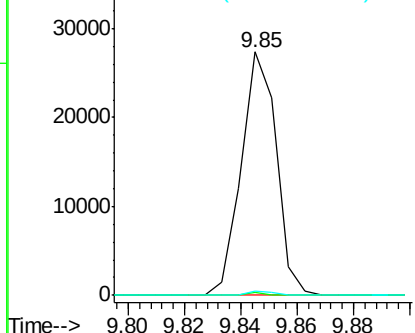
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.5	44.0	66.0#



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: 5.929 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

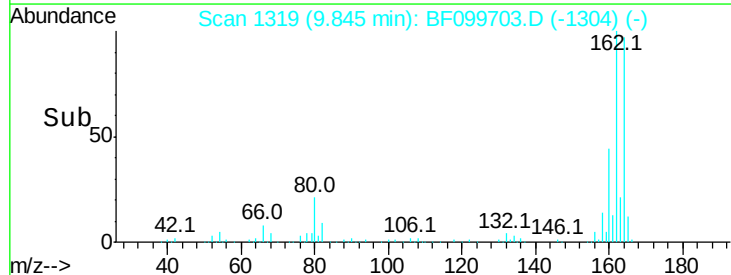
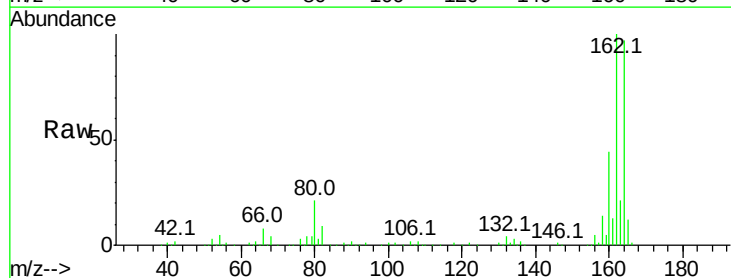
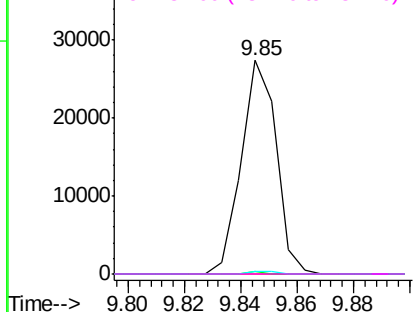
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

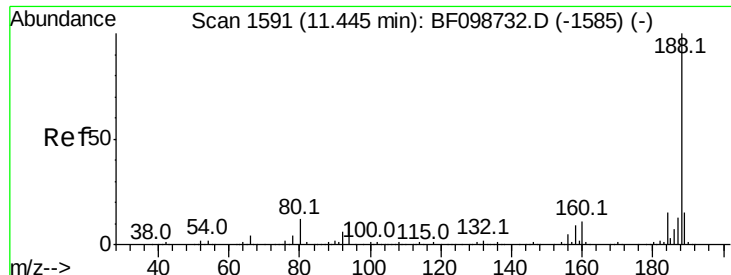
Abundance Ion 165.00 (164.70 to 165.70): E

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

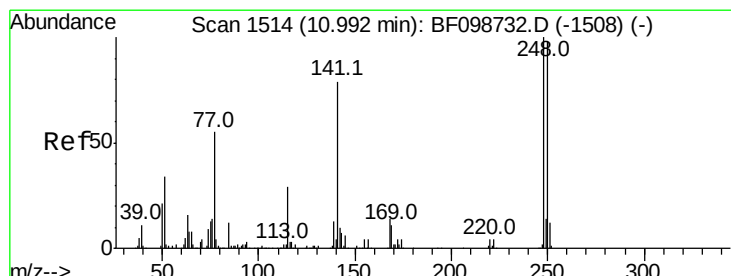
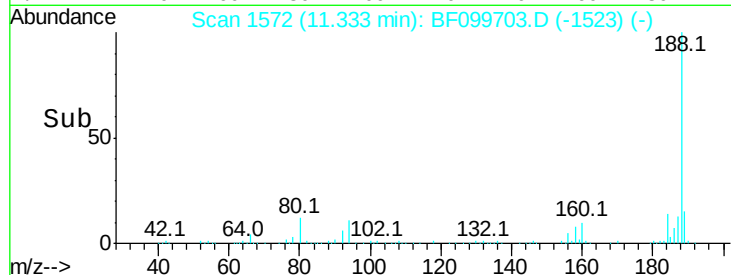
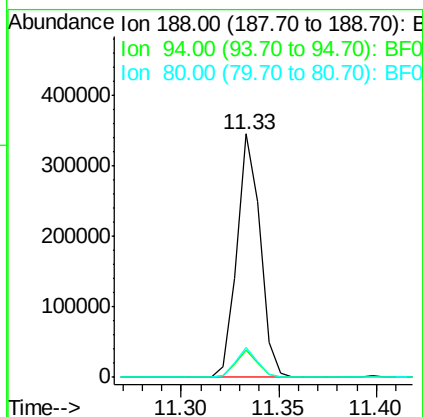
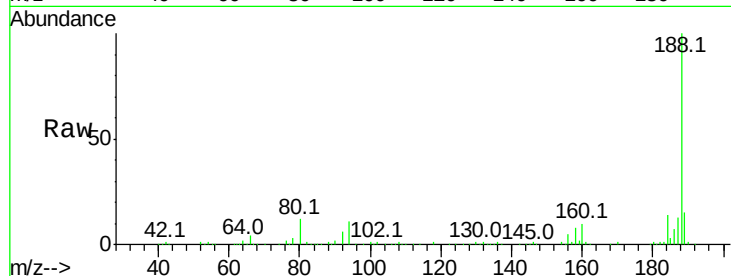




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

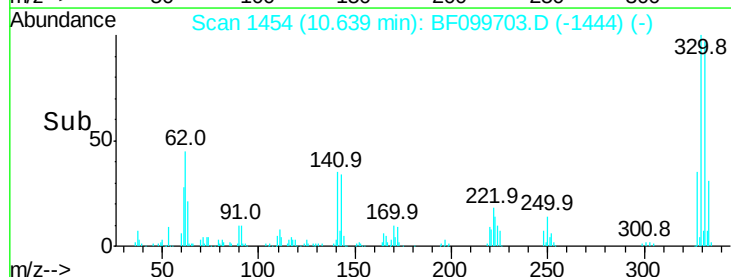
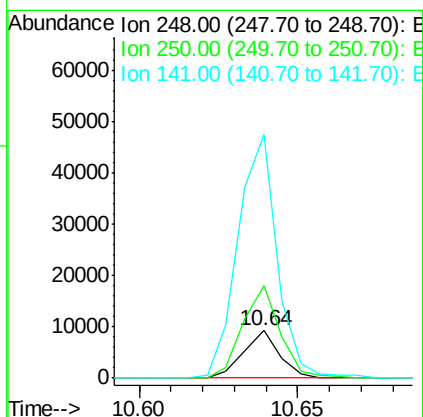
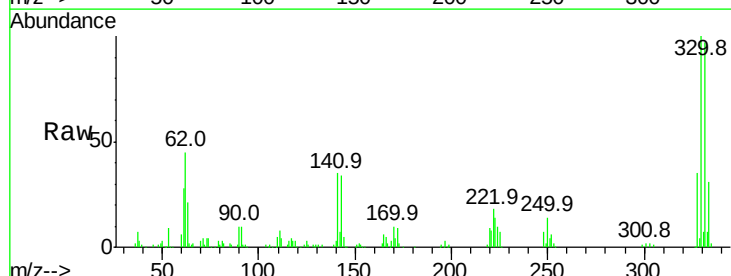
Instrument :
 BNA_F
 ClientSampleId :

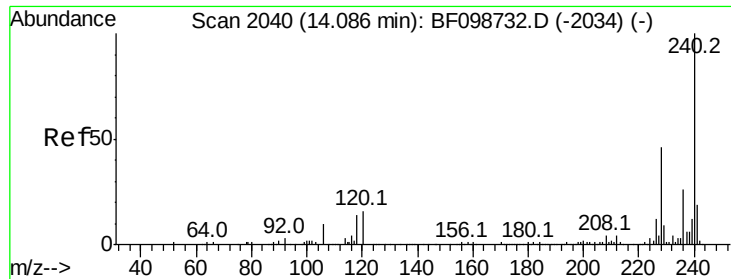
Tot Ion:188 Resp: 284807
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 12.1 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.582 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

Tgt Ion:248 Resp: 7197
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 516.3 74.4 111.6#

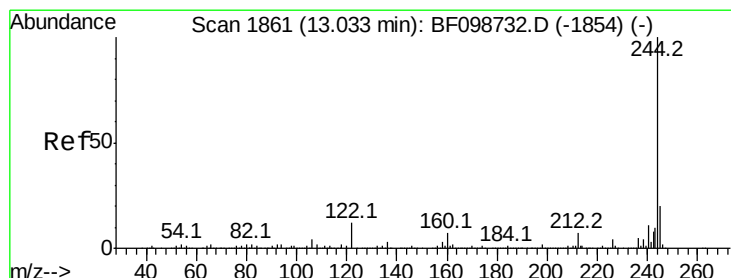
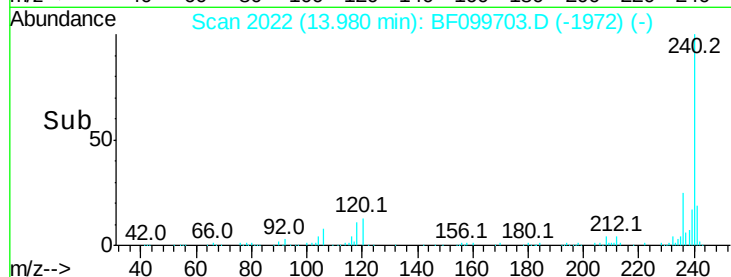
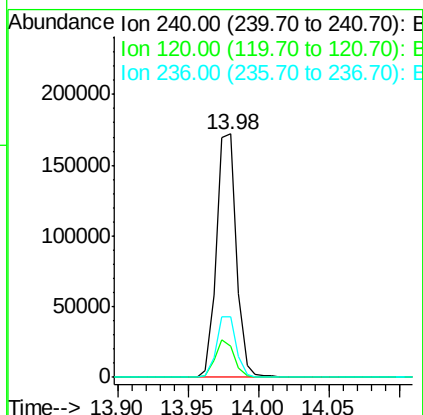
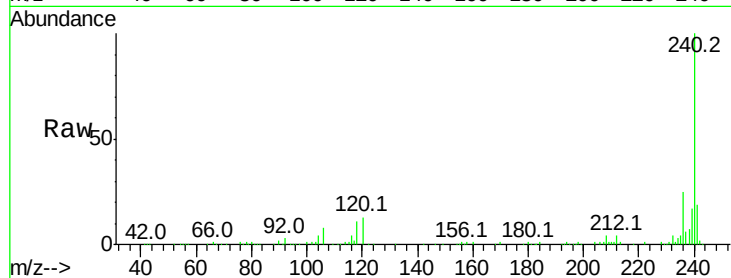




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

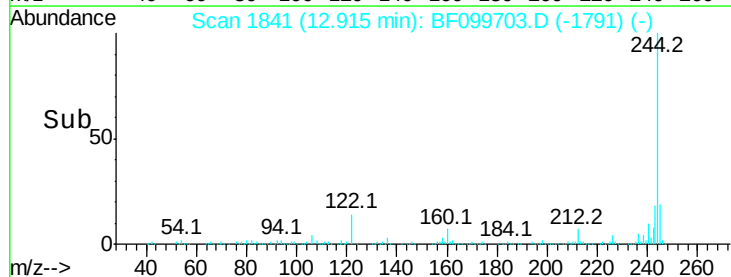
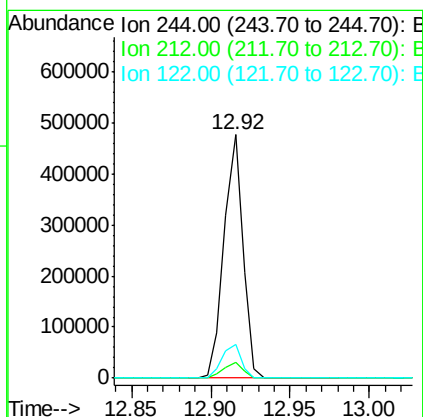
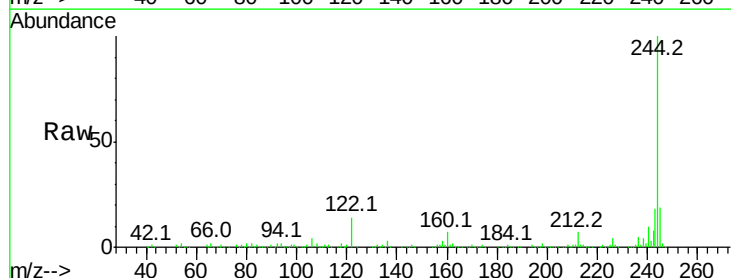
Instrument :
 BNA_F
 ClientSampleId :

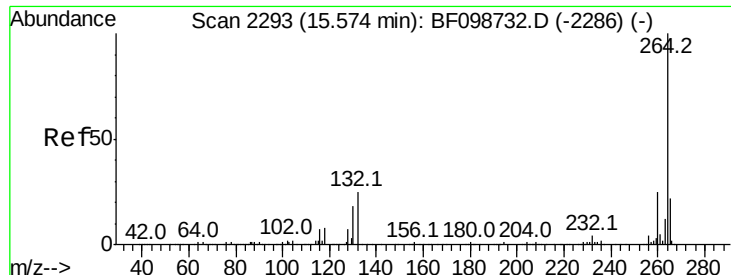
Tot Ion:240 Resp: 169269
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.5 14.3
 236 24.8 20.7 31.1



#78
 Terphenyl-d14
 Concen: 53.281 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099703.D
 Acq: 20 Oct 2017 16:20

Tgt Ion:244 Resp: 396568
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 14.0 11.0 16.4

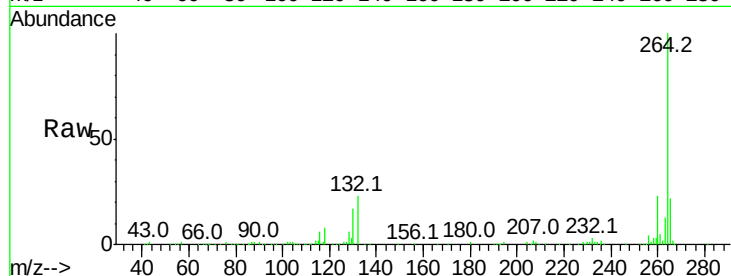




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF099703.D
Acq: 20 Oct 2017 16:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	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

