

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099700.D
 Acq On : 20 Oct 2017 14:57
 Operator : SJ/JU
 Sample : I5922-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 17:55:57 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

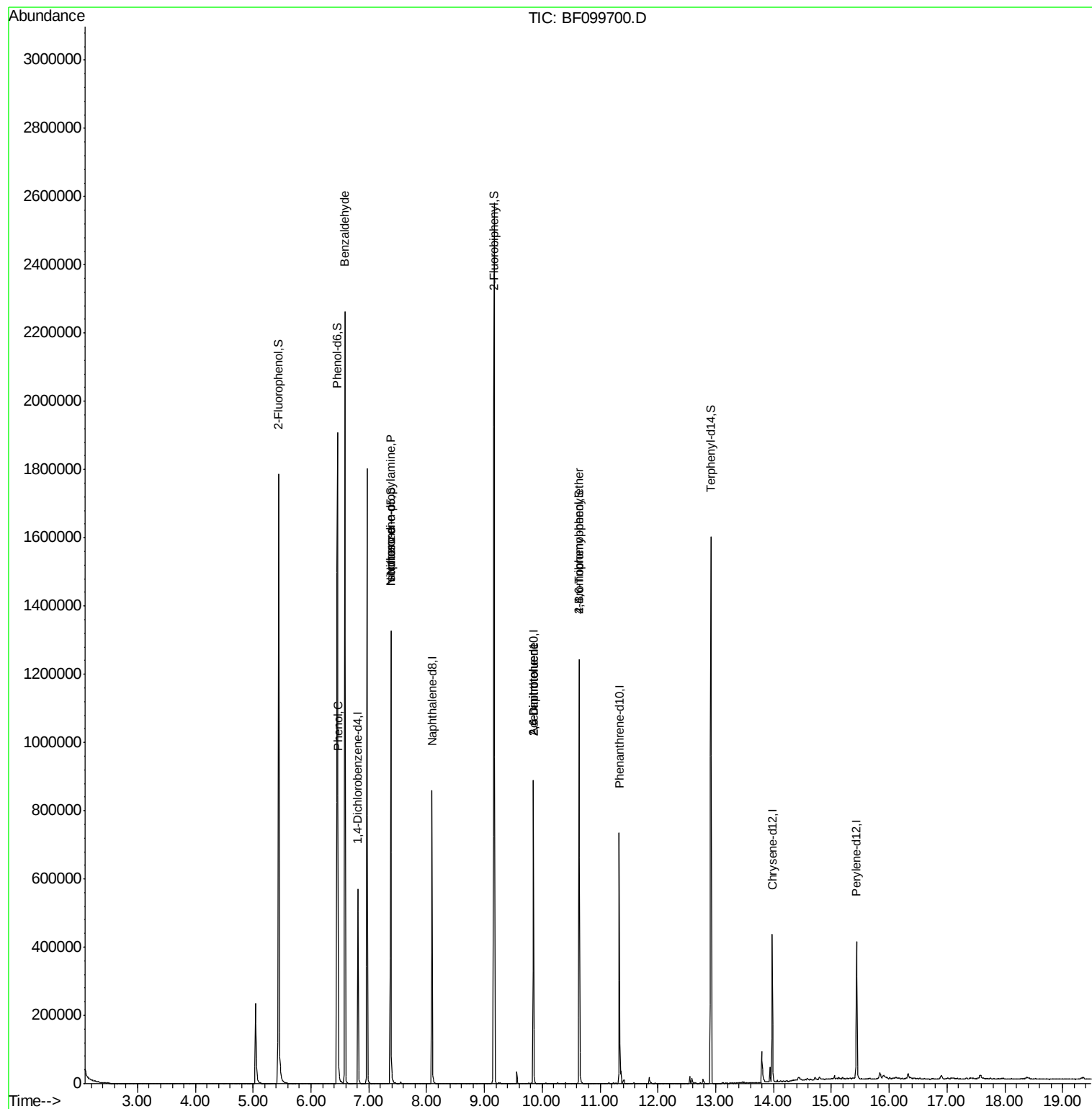
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	94169	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	388763	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	169620	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	251506	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	149899	20.00	ng	0.00
86) Perylene-d12	15.44	264	167761	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	638846	108.00	ng	0.00
7) Phenol-d6	6.46	99	762087	104.43	ng	0.00
23) Nitrobenzene-d5	7.38	82	442491	72.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	141109	101.67	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	818927	80.60	ng	0.00
78) Terphenyl-d14	12.92	244	480382	72.88	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	11704	2.765	ng	91
10) Phenol	6.47	94	35930	4.402	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	54845	11.772	ng	# 73
25) Isophorone	7.38	82	442491	35.305	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	21085	7.565	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	21085	5.829	ng	# 21
66) 4-Bromophenyl-phenylether	10.64	248	9337	3.793	ng	# 1

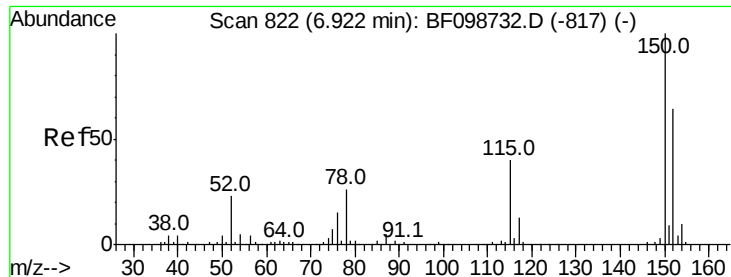
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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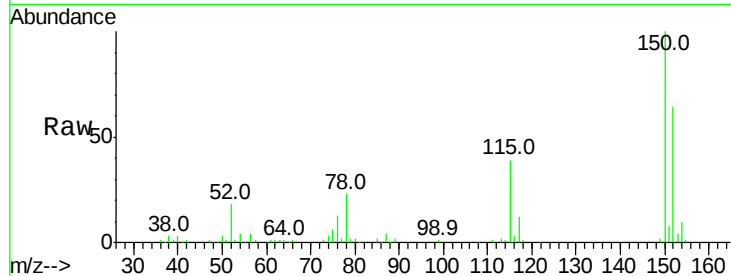


#1

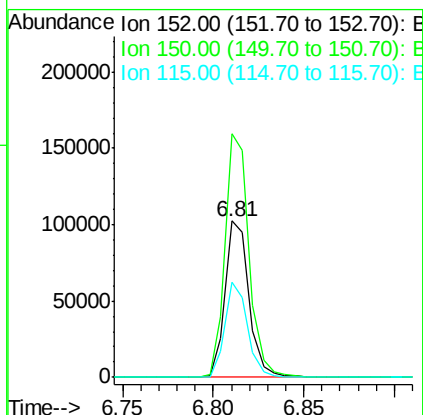
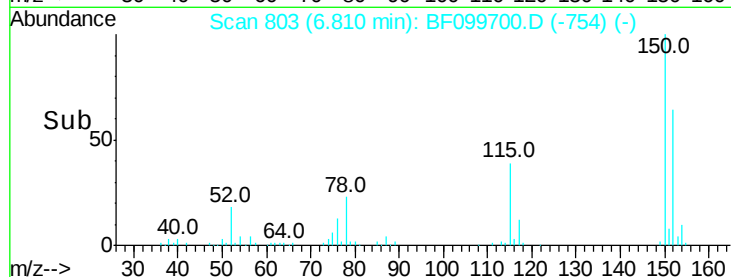
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94169
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 60.8 50.1 75.1



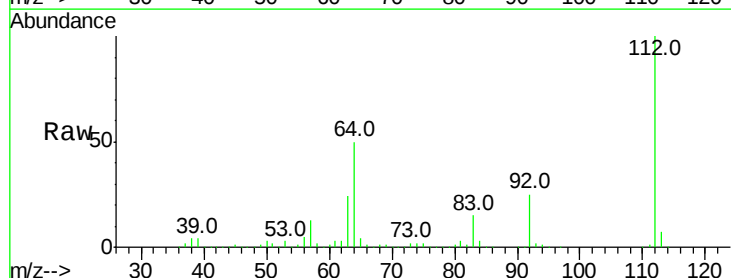
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



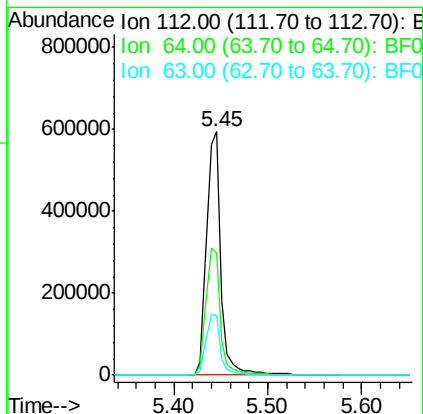
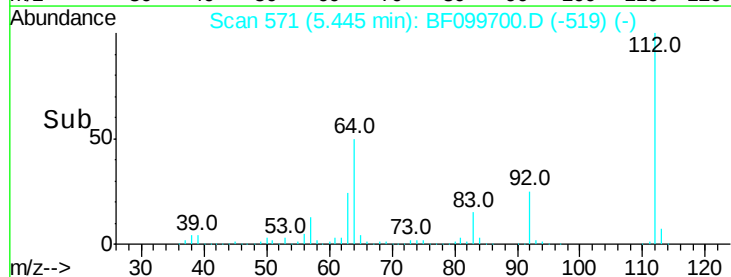
#5

2-Fluorophenol
Concen: 107.995 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

Tgt Ion:112 Resp: 638846
Ion Ratio Lower Upper
112 100
64 50.2 47.9 71.9
63 24.4 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: 104.432 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

Instrument :

BNA_F

ClientSampled :

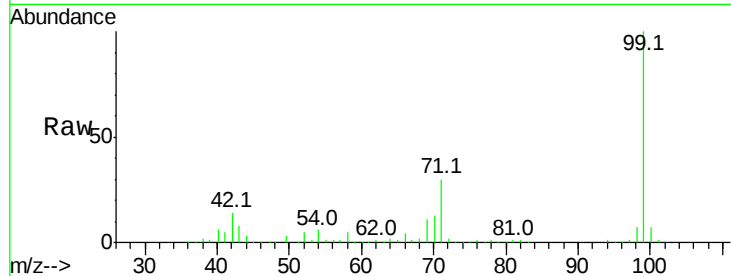
Tot Ion: 99 Resp: 762087

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

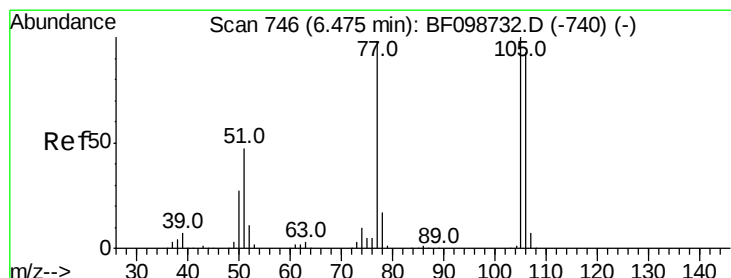
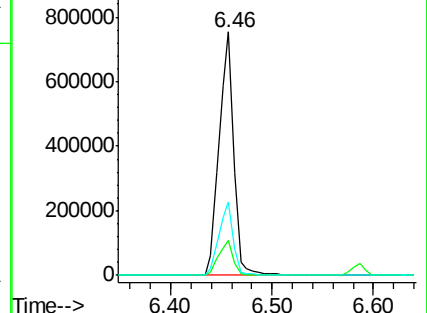
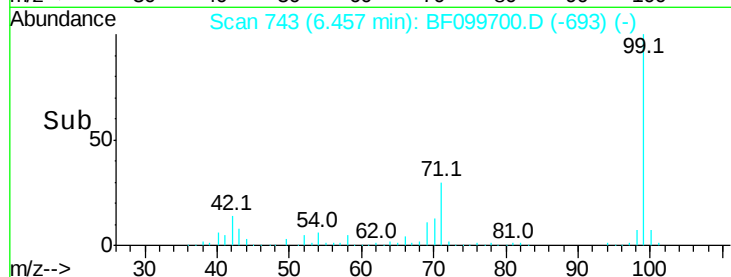
71 30.0 25.4 38.0



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: 2.765 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

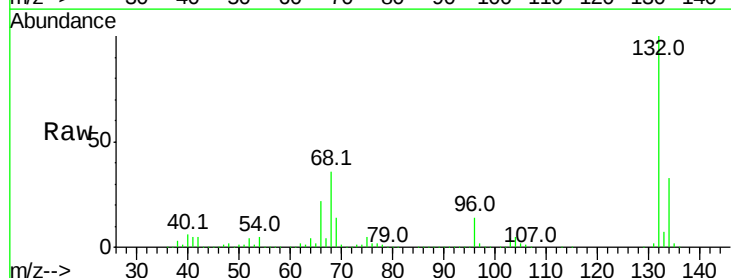
Tgt Ion: 77 Resp: 11704

Ion Ratio Lower Upper

77 100

105 95.4 81.1 121.1

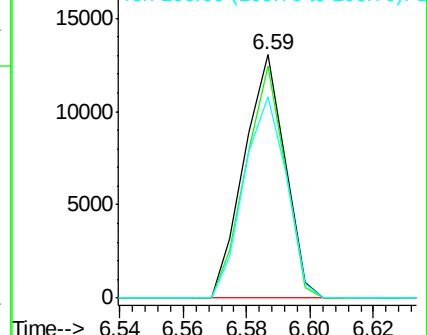
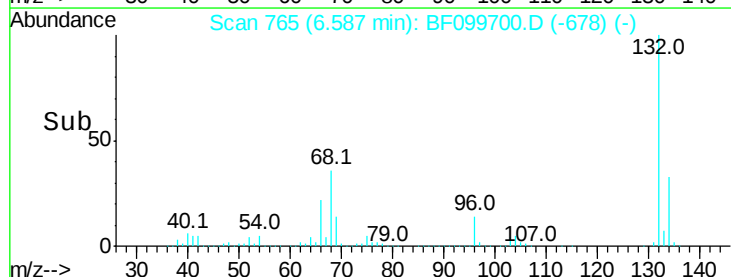
106 82.9 74.5 114.5

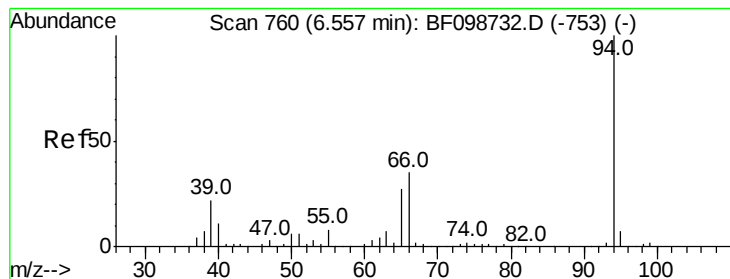


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.402 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

Instrument :

BNA_F

ClientSampled :

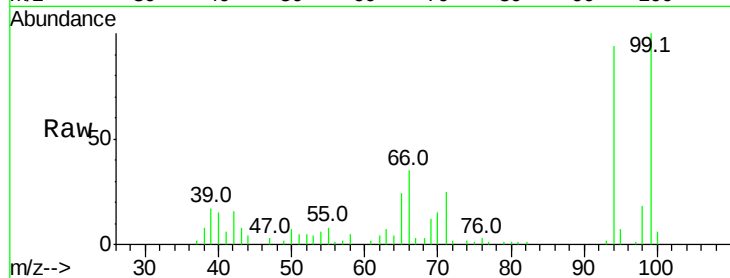
Tot Ion: 94 Resp: 35930

Ion Ratio Lower Upper

94 100

65 25.9 7.9 47.9

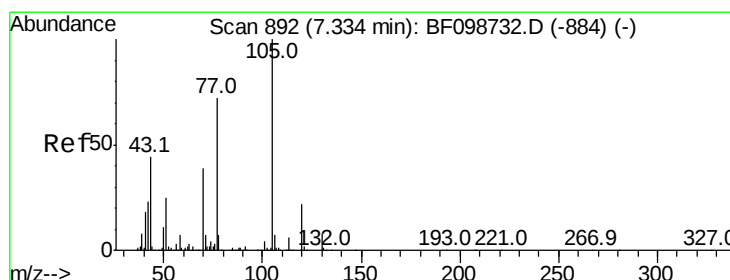
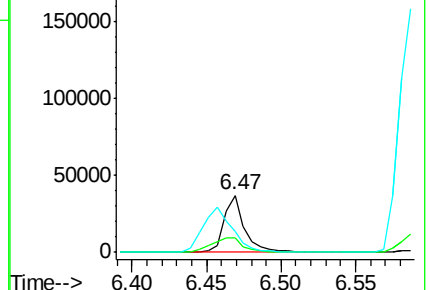
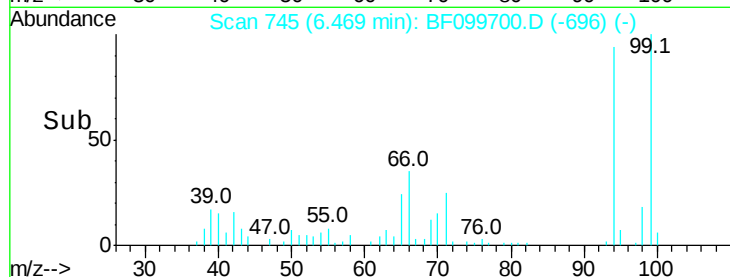
66 37.1 16.2 56.2



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: 11.772 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

Tgt Ion: 70 Resp: 54845

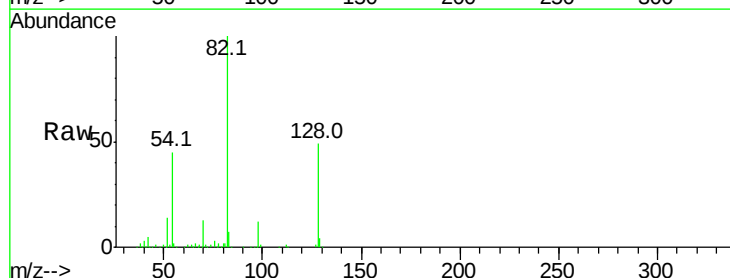
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

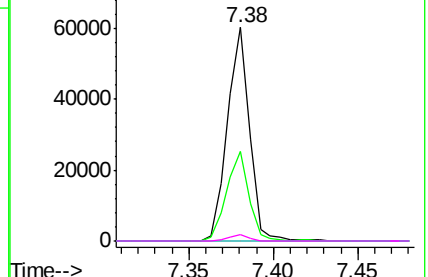
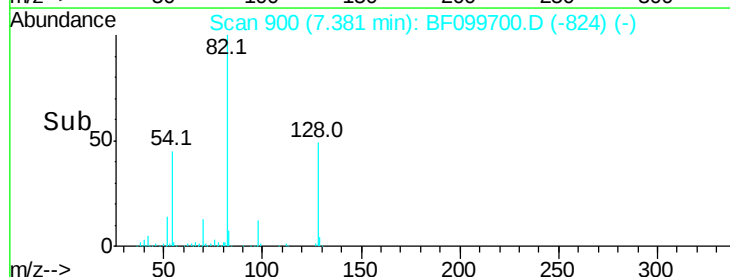


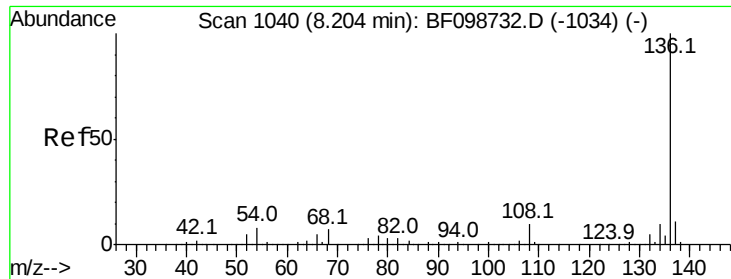
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

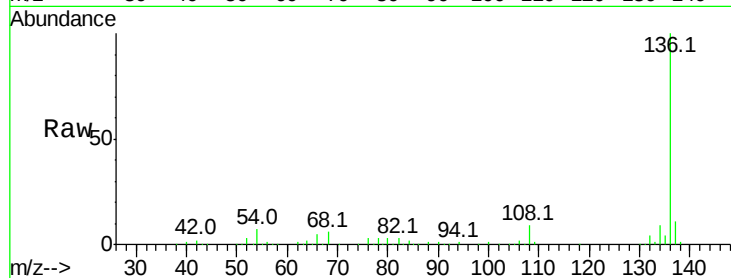




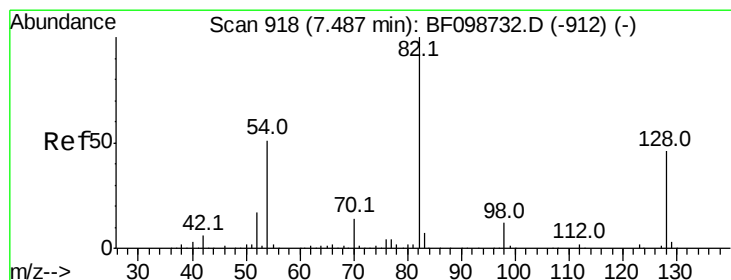
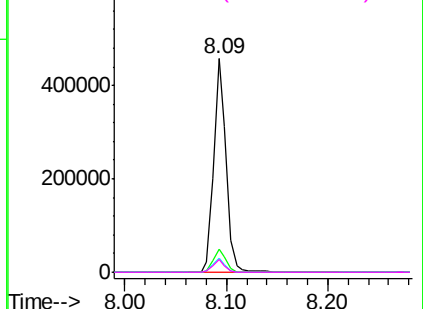
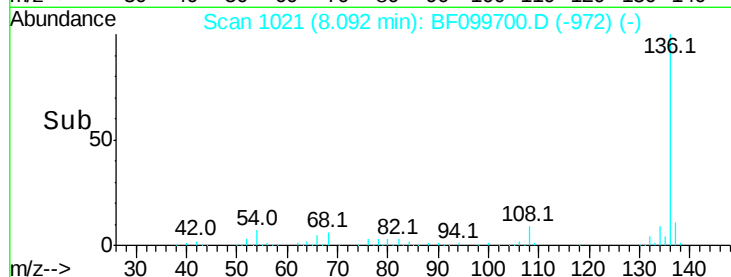
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	388763
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	6.6	9.8
68	6.0	5.0	7.4

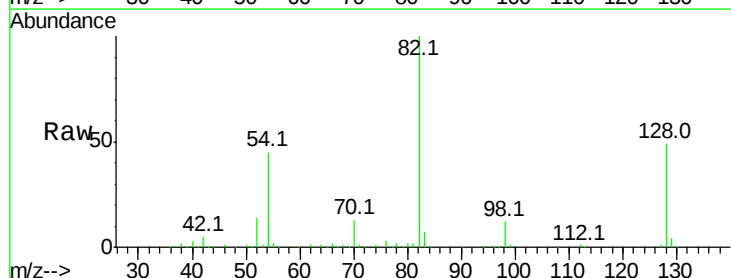


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

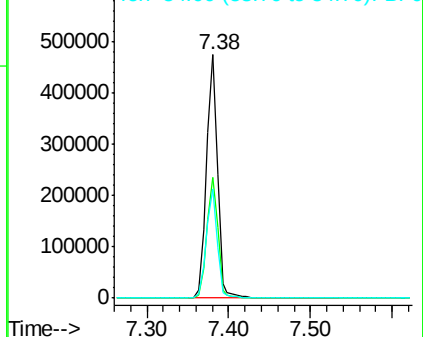
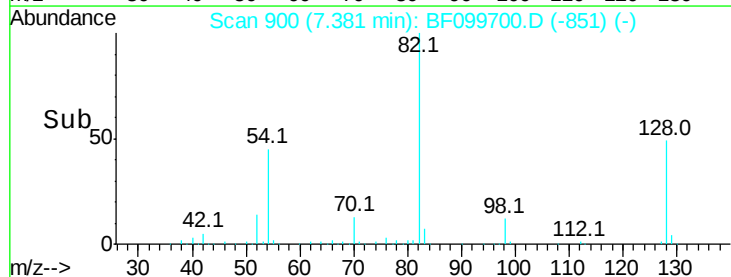


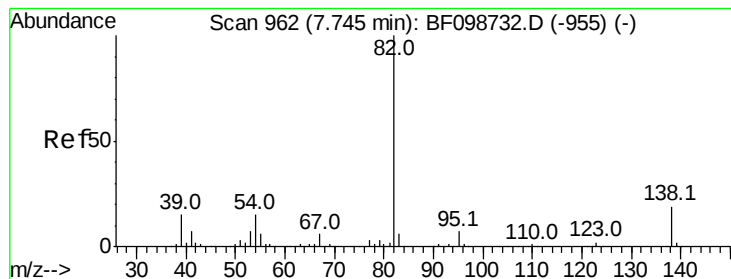
#23
Nitrobenzene-d5
Concen: 72.993 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

Tgt Ion:	82	Resp:	442491
Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	44.8	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: 35.305 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

Instrument :

BNA_F

ClientSampleId :

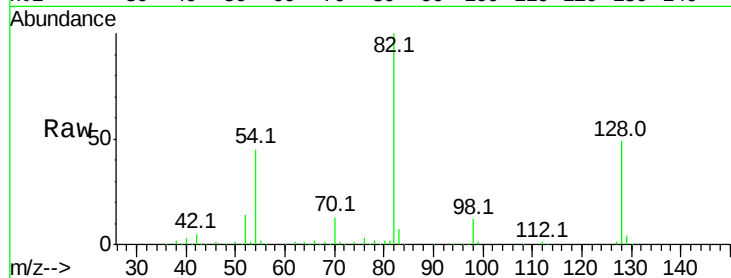
Tot Ion: 82 Resp: 442491

Ion Ratio Lower Upper

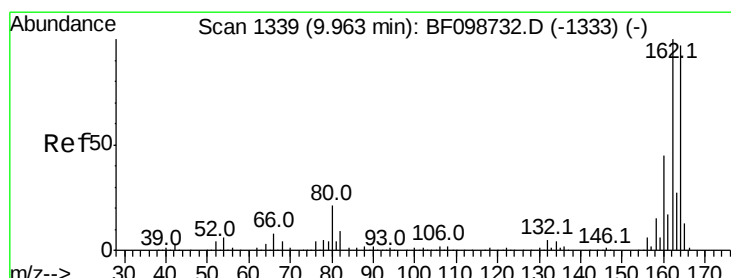
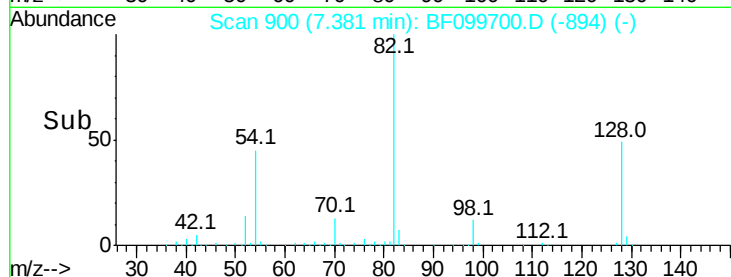
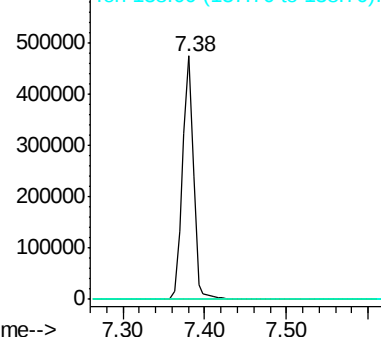
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

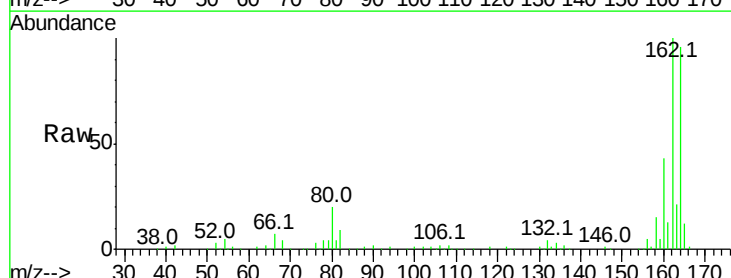
Tgt Ion:164 Resp: 169620

Ion Ratio Lower Upper

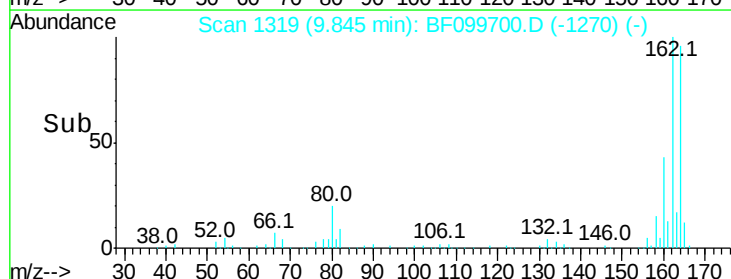
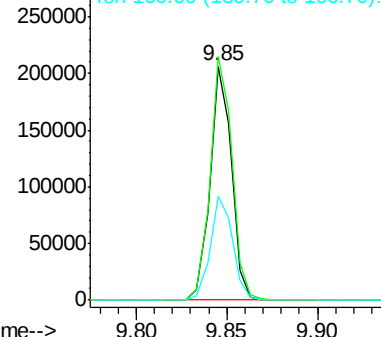
164 100

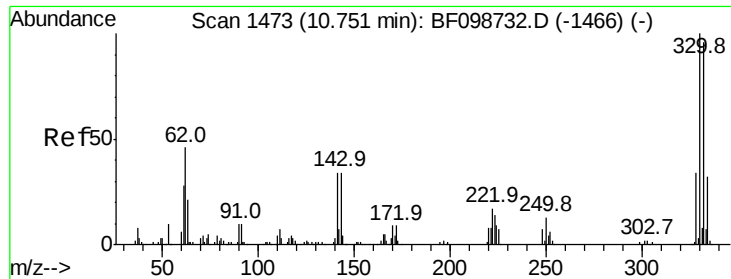
162 104.2 86.1 129.1

160 44.7 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

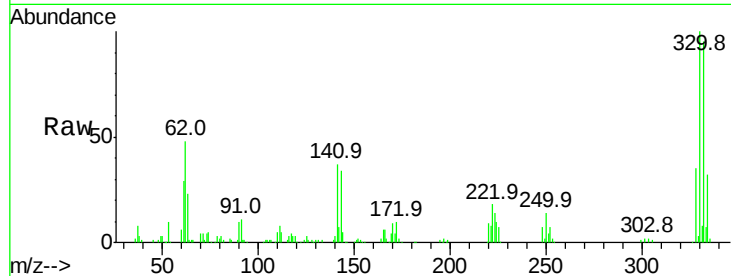




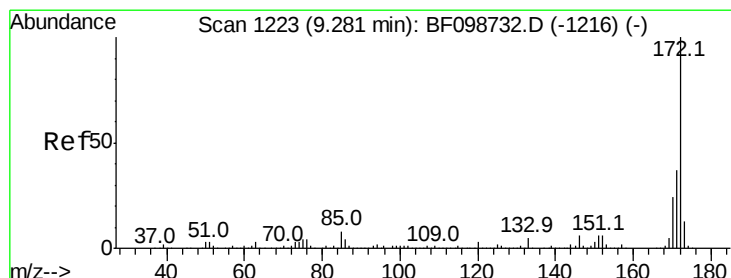
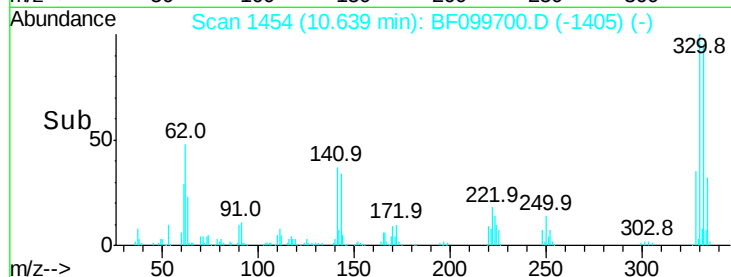
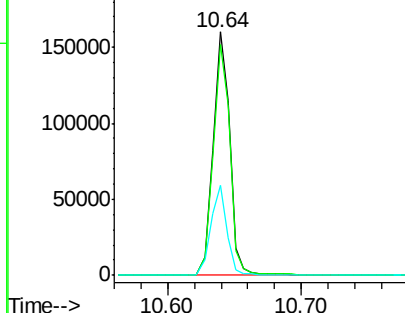
#41
 2,4,6-Tribromophenol
 Concen: 101.667 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099700.D
 Acq: 20 Oct 2017 14:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 141109
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 35.7 29.9 44.9

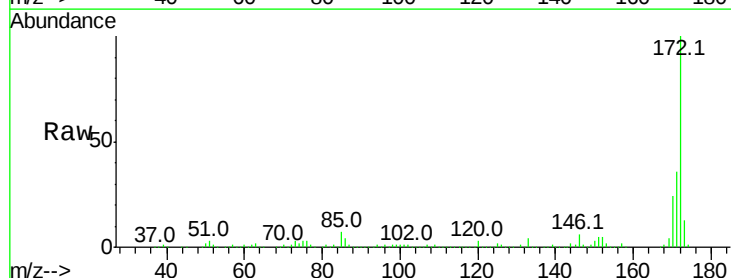


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

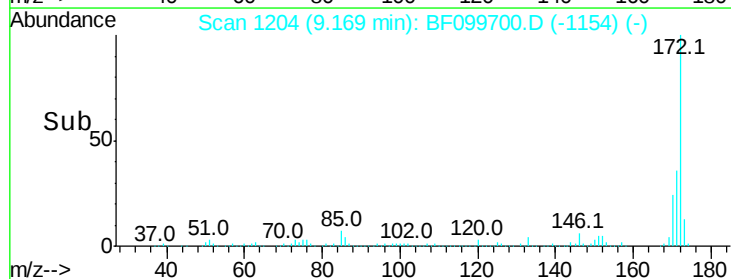
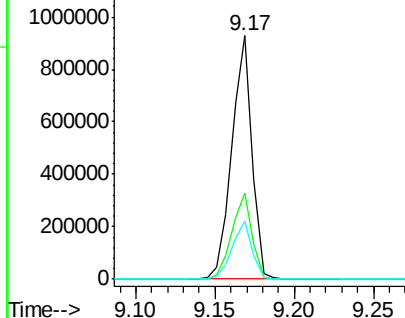


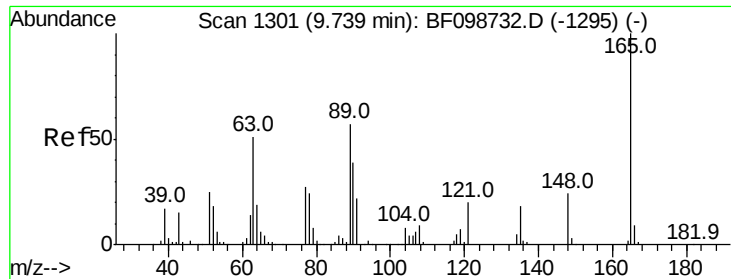
#44
 2-Fluorobiphenyl
 Concen: 80.600 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099700.D
 Acq: 20 Oct 2017 14:57

Tgt Ion:172 Resp: 818927
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

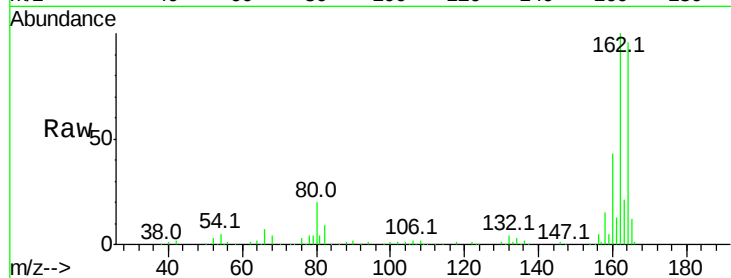




#50
2,6-Dinitrotoluene
Concen: 7.565 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.19 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

Instrument :
BNA_F
ClientSampleId :

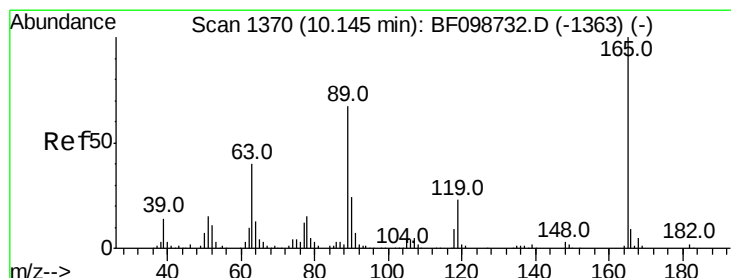
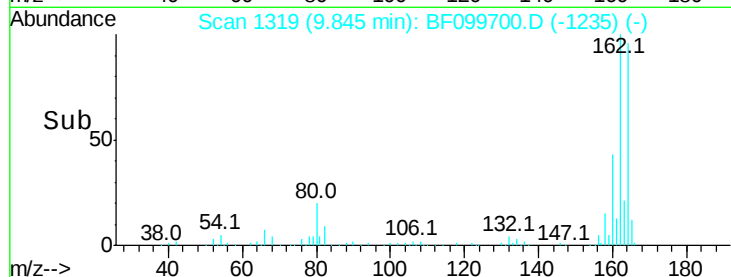
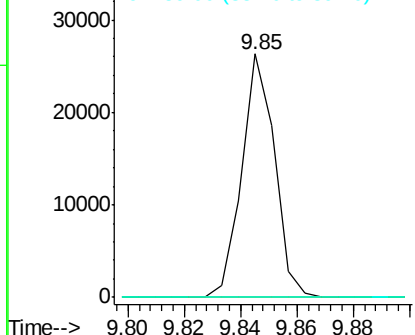
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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: 5.829 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF099700.D
Acq: 20 Oct 2017 14:57

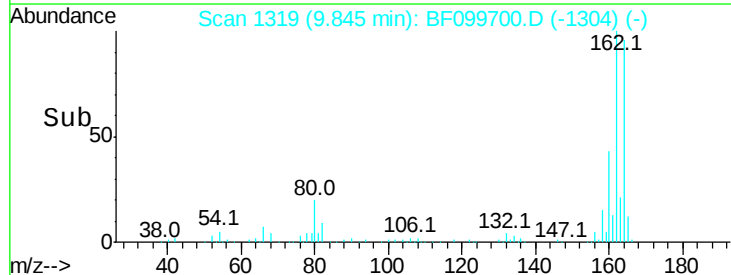
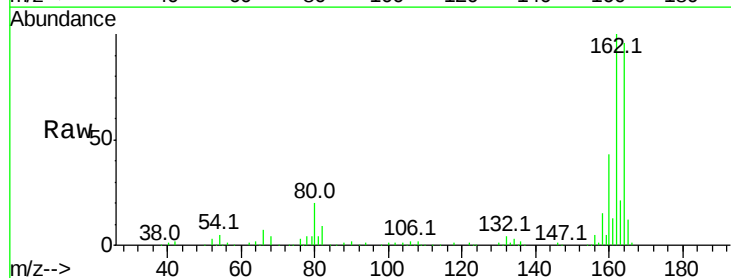
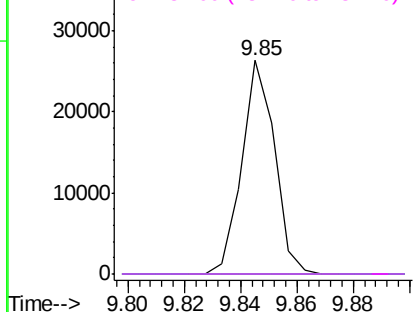
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

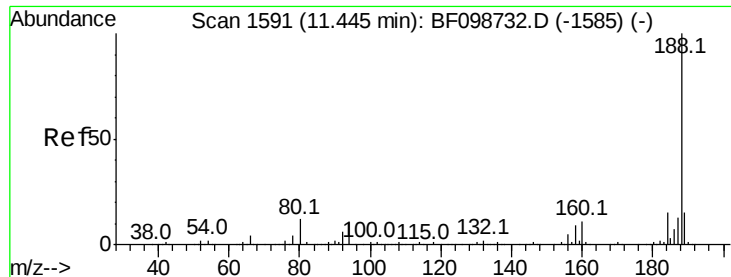
Abundance Ion 165.00 (164.70 to 165.70): E

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

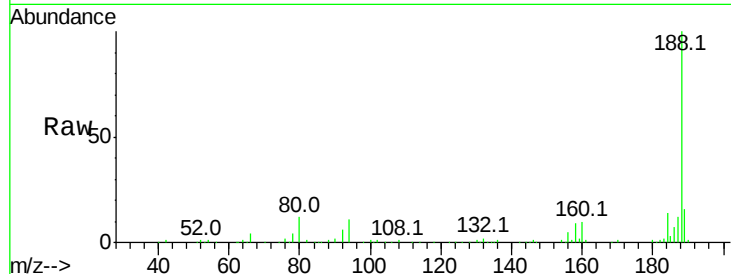




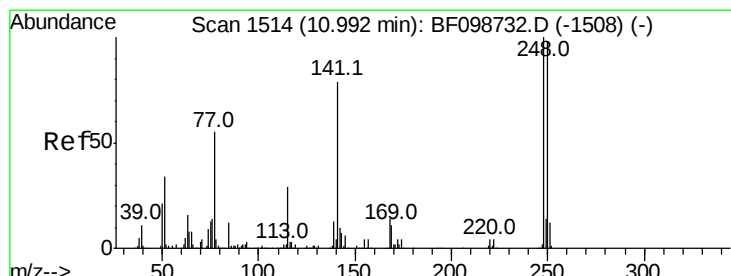
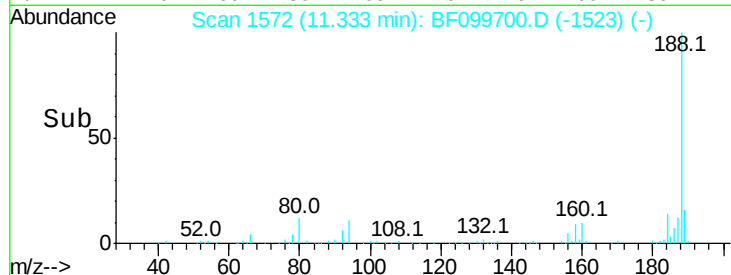
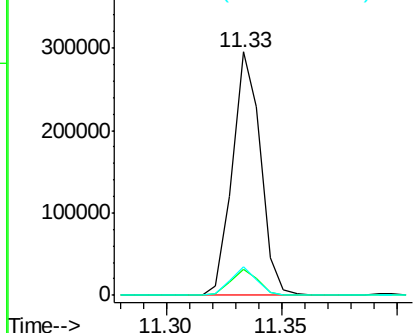
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099700.D
 Acq: 20 Oct 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.9	9.2	13.8

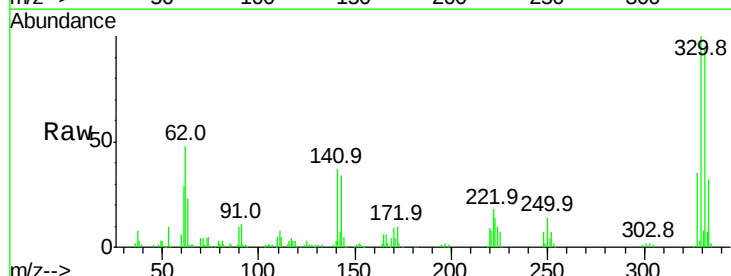


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

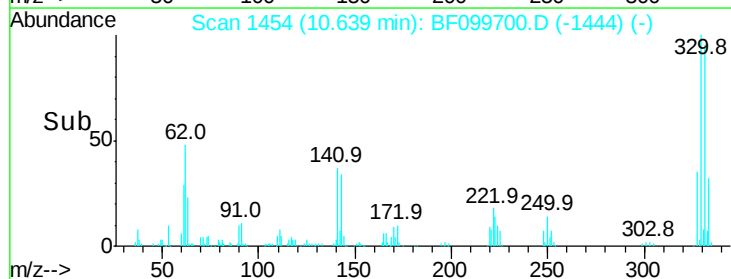
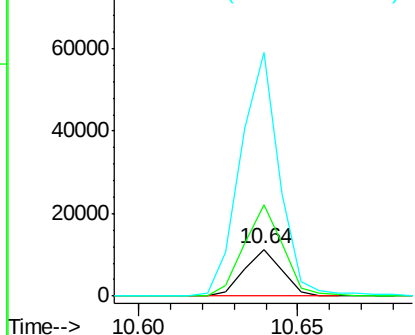


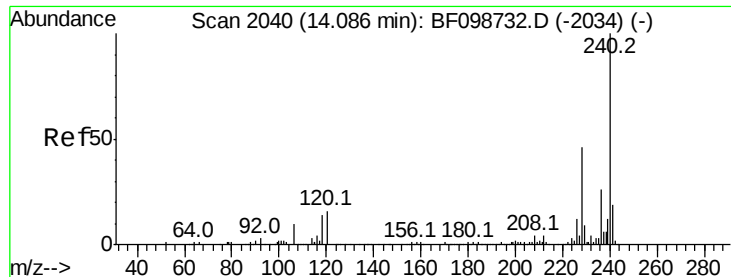
#66
 4-Bromophenyl-phenylether
 Concen: 3.793 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099700.D
 Acq: 20 Oct 2017 14:57

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.4	76.9	115.3#
141	518.4	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

Instrument :

BNA_F

ClientSampleId :

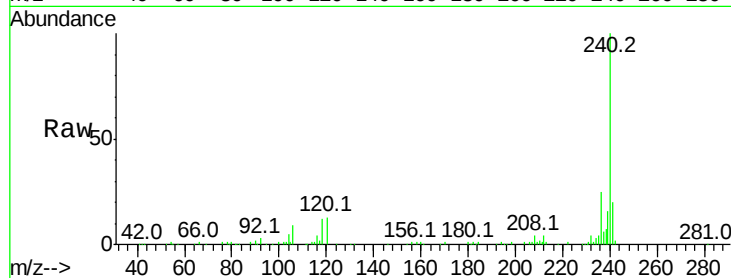
Tot Ion:240 Resp: 149899

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

236 25.3 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

200000

150000

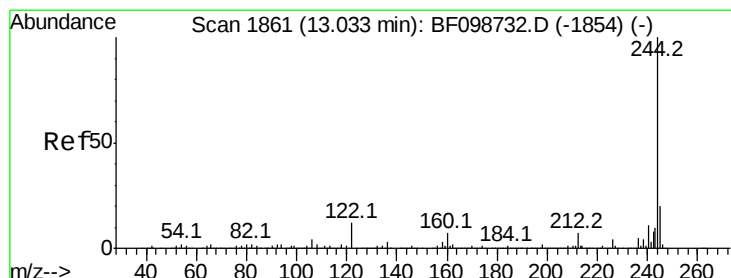
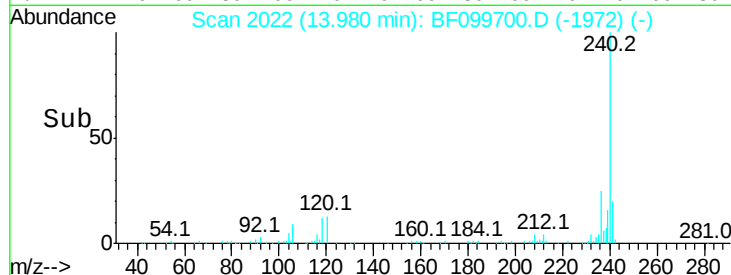
100000

50000

0

13.95 13.98 14.00 14.05

Time-->



#78

Terphenyl-d14

Concen: 72.881 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099700.D

Acq: 20 Oct 2017 14:57

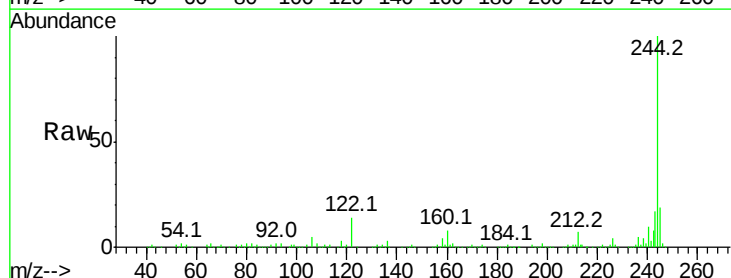
Tgt Ion:244 Resp: 480382

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 13.7 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

600000

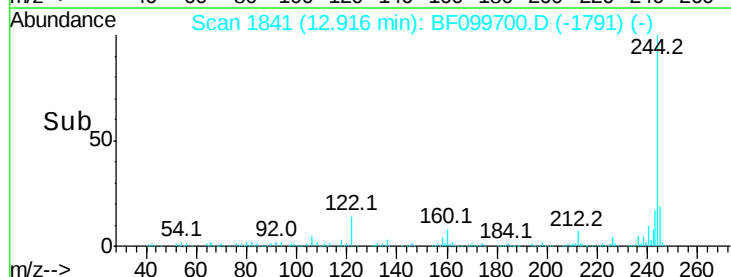
400000

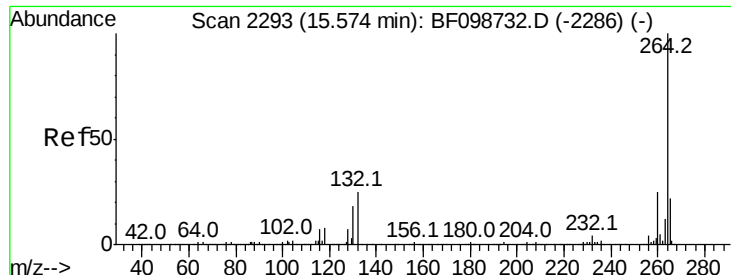
200000

0

12.85 12.90 12.95 13.00

Time-->

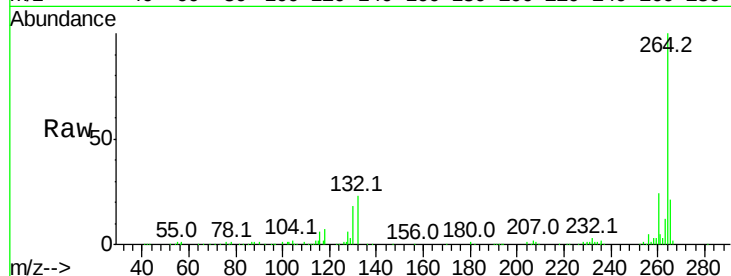




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF099700.D
 Acq: 20 Oct 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	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

