

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099597.D
 Acq On : 17 Oct 2017 22:41
 Operator : SJ/JU
 Sample : I5869-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 00:16:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 17:32:20 2017
 Response via : Initial Calibration

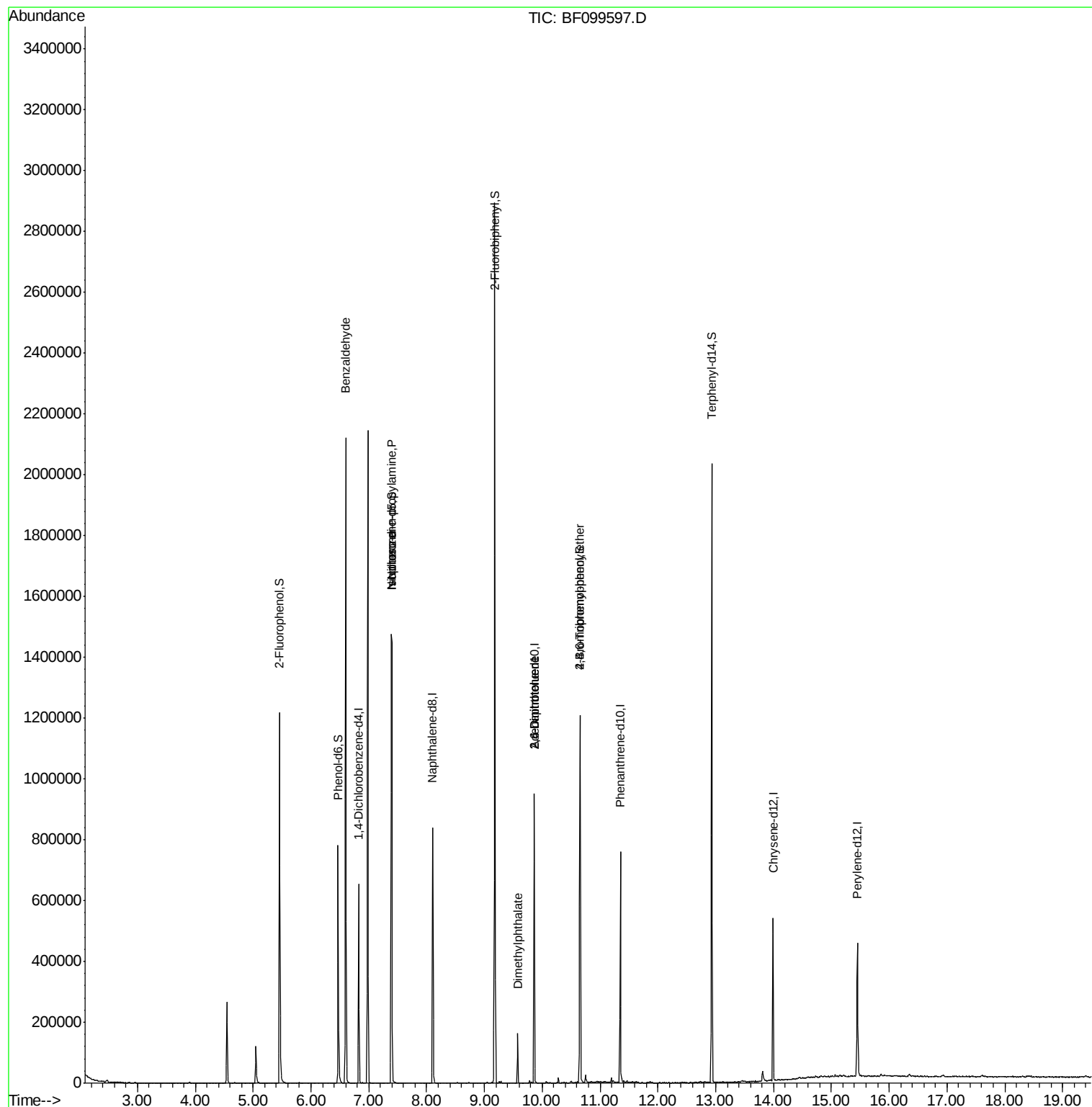
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	103469	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	420398	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	181971	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	269898	20.00	ng	0.00
75) Chrysene-d12	13.99	240	172103	20.00	ng	0.00
86) Perylene-d12	15.45	264	184445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	367467	56.54	ng	0.01
7) Phenol-d6	6.47	99	263746	32.89	ng	0.00
23) Nitrobenzene-d5	7.39	82	576093	87.88	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	143488	96.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1072971	98.44	ng	0.00
78) Terphenyl-d14	12.93	244	648535	85.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	12428	2.67	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.39	70	73053	14.27	ng	# 74
25) Isophorone	7.39	82	576086	42.51	ng	# 64
49) Dimethylphthalate	9.57	163	61499	4.48	ng	100
50) 2,6-Dinitrotoluene	9.86	165	23214	7.76	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	23214	5.98	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	9762	3.70	ng	# 1

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

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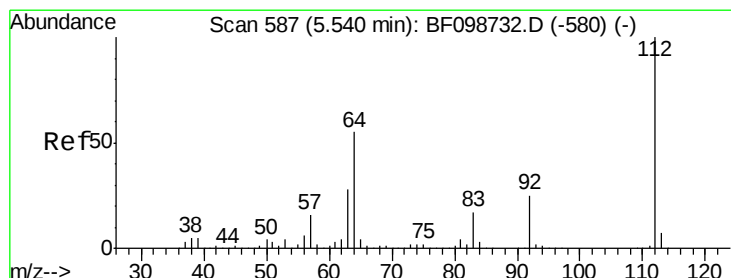
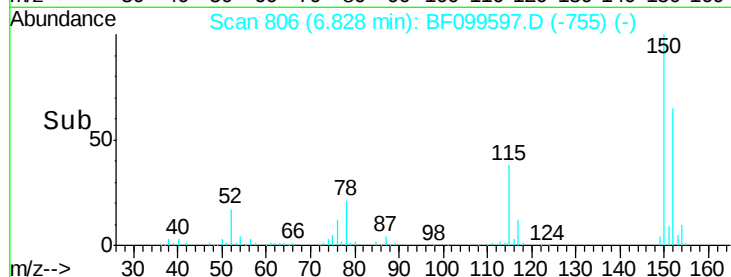
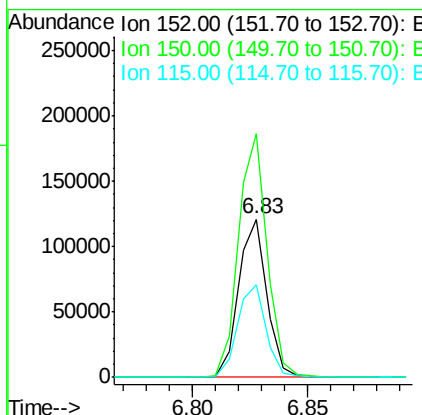
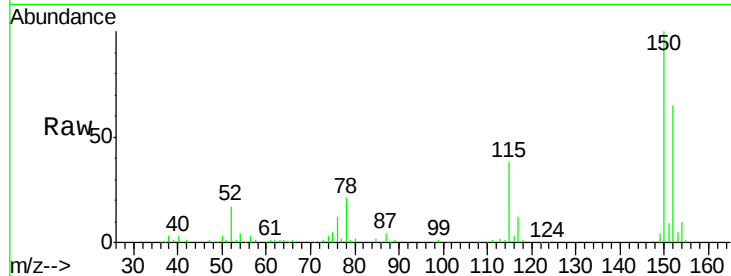




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099597.D
 Acq: 17 Oct 2017 22:41

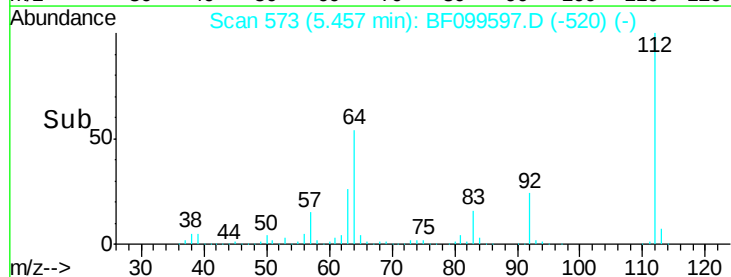
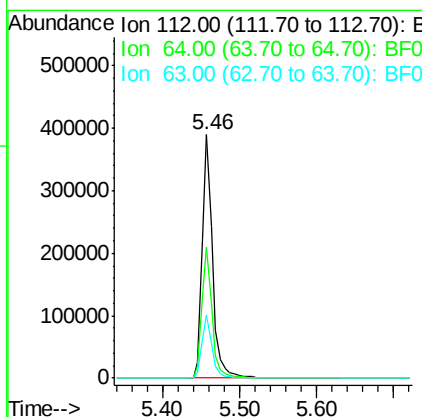
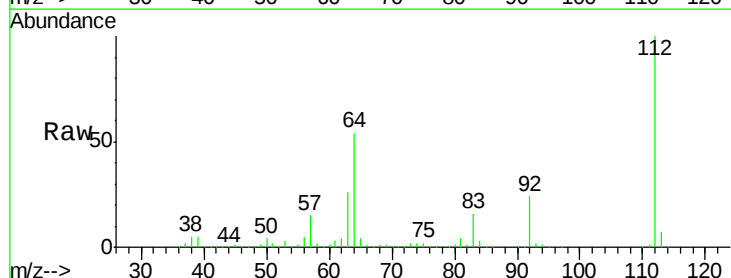
Instrument :
 BNA_F
 ClientSampled :

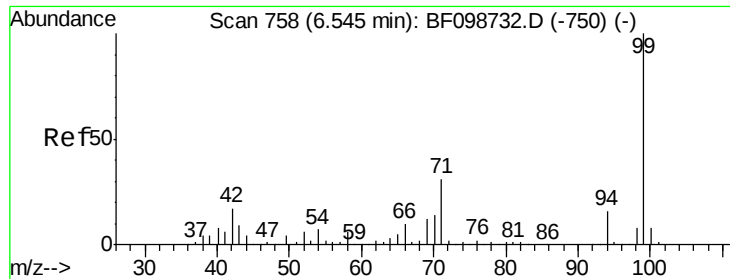
Tot Ion:152 Resp: 103469
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.6 186.8
 115 58.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 56.54 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF099597.D
 Acq: 17 Oct 2017 22:41

Tgt Ion:112 Resp: 367467
 Ion Ratio Lower Upper
 112 100
 64 54.0 47.9 71.9
 63 26.0 23.7 35.5





#7

Phenol-d6

Concen: 32.89 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

Instrument :

BNA_F

ClientSampled :

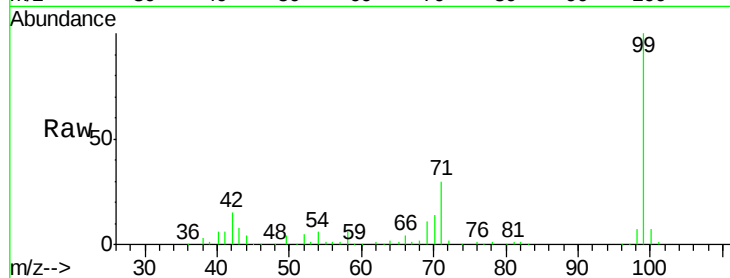
Tot Ion: 99 Resp: 263746

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

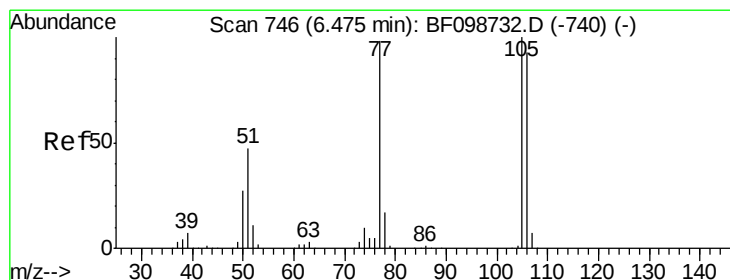
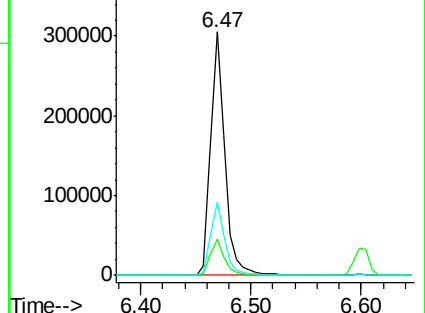
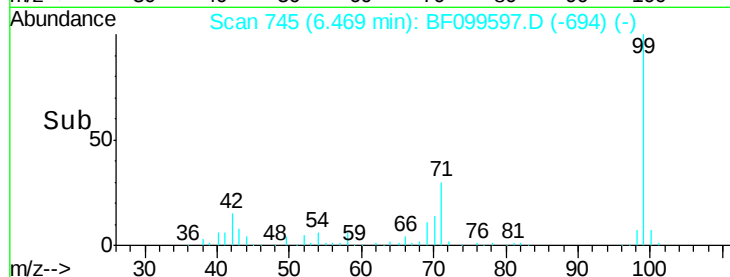
71 30.1 25.4 38.0



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: 2.67 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

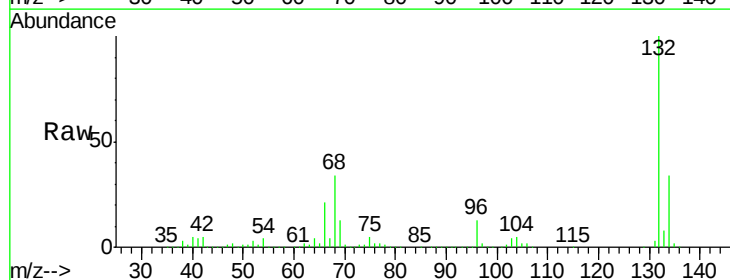
Tgt Ion: 77 Resp: 12428

Ion Ratio Lower Upper

77 100

105 88.0 81.1 121.1

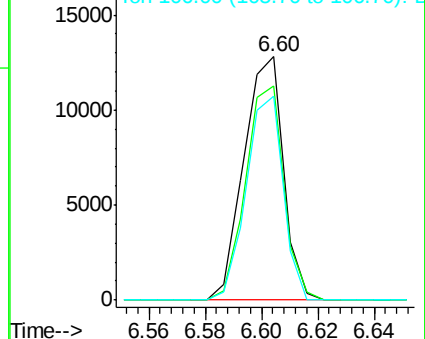
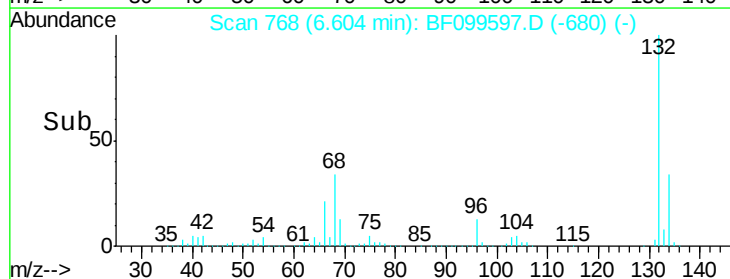
106 83.8 74.5 114.5



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

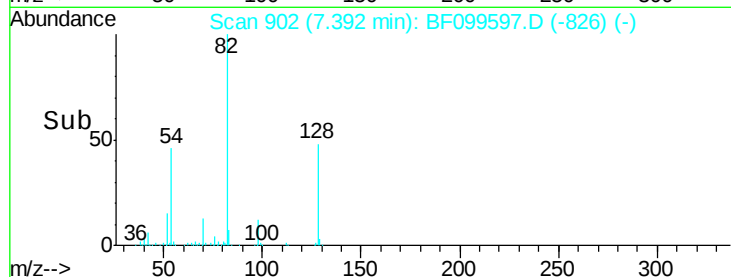
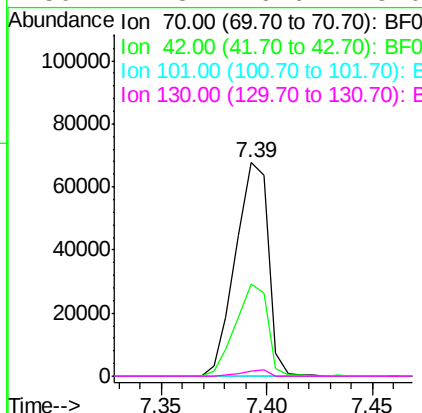
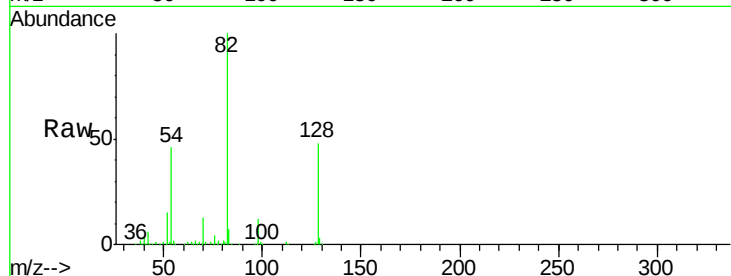




#19
n-Nitroso-di-n-propylamine
Concen: 14.27 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

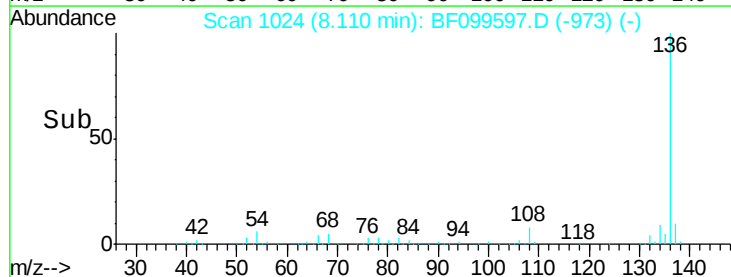
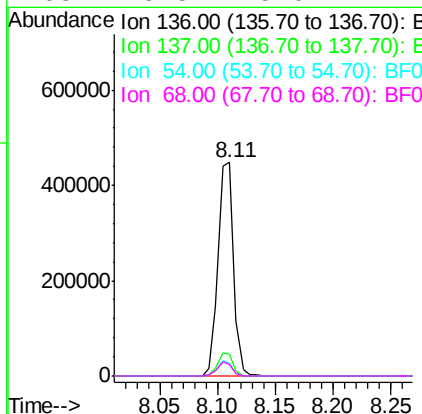
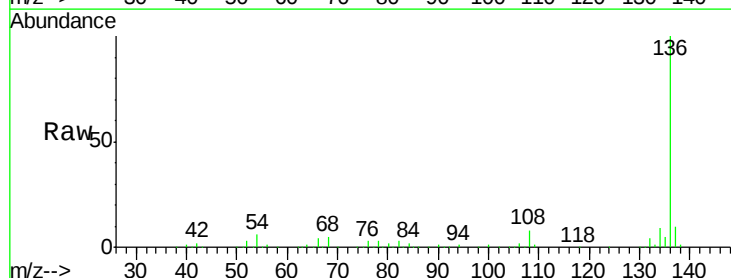
Instrument :
BNA_F
ClientSampled :

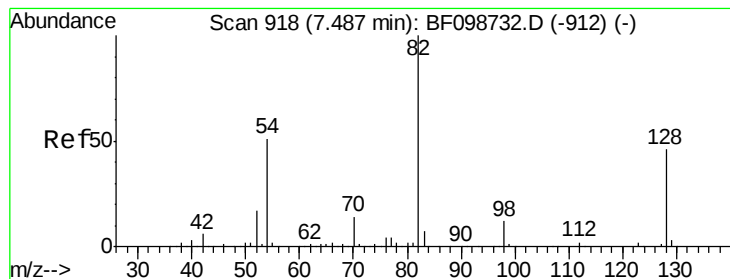
Tot Ion: 70 Resp: 73053
Ion Ratio Lower Upper
70 100
42 43.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

Tgt Ion: 136 Resp: 420398
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 6.2 6.6 9.8#
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 87.88 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

Instrument :

BNA_F

ClientSampleId :

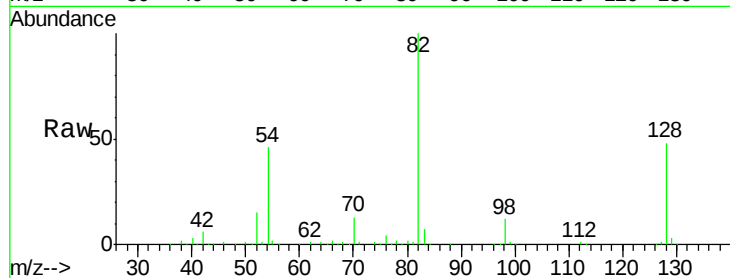
Tot Ion: 82 Resp: 576093

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

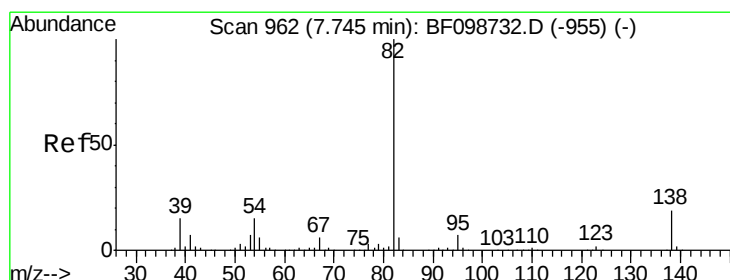
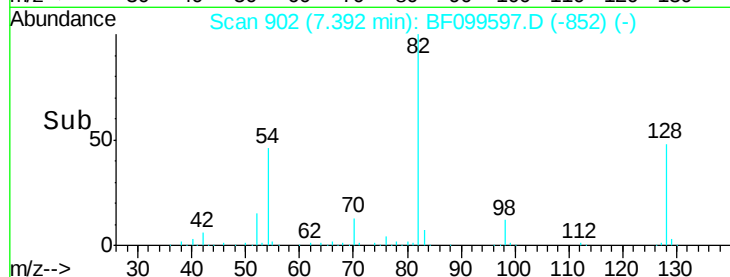
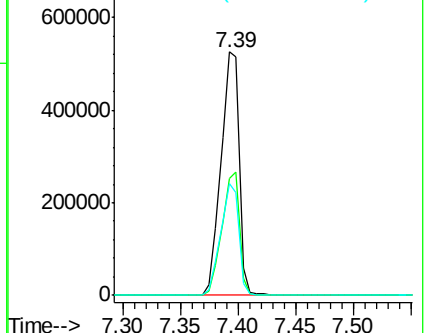
54 45.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 42.51 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

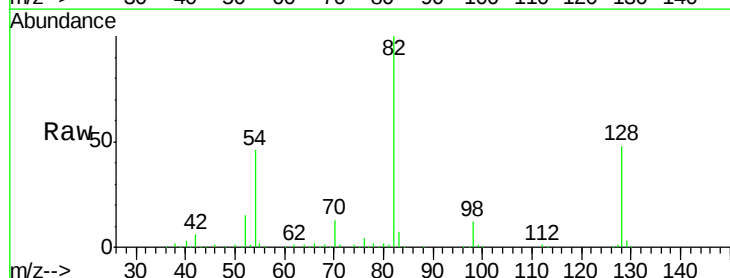
Tgt Ion: 82 Resp: 576086

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

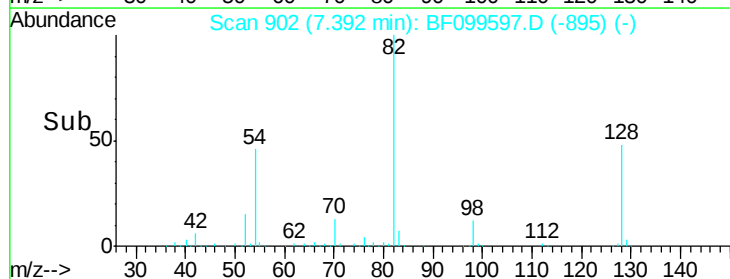
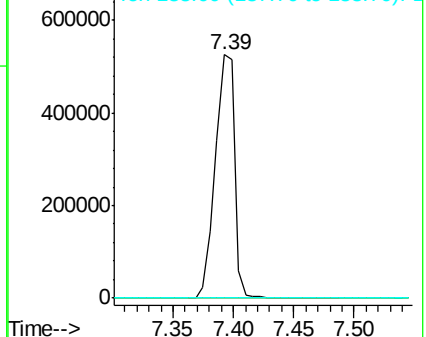
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

Instrument :

BNA_F

ClientSampleId :

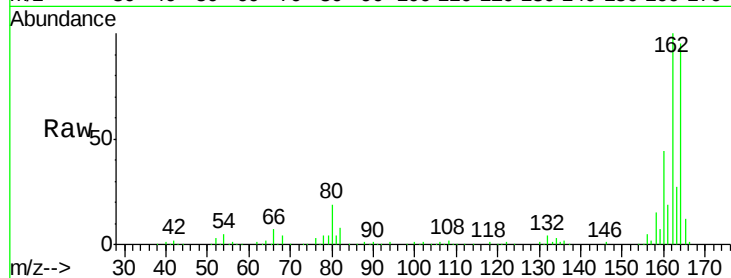
Tot Ion:164 Resp: 181971

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

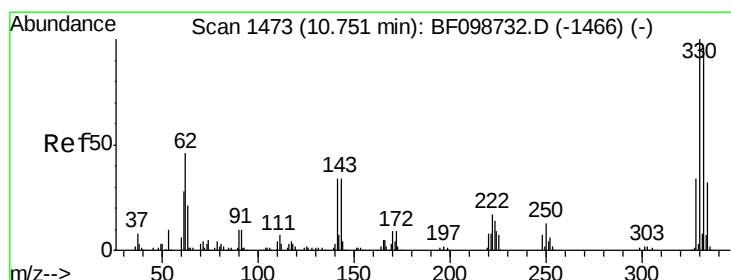
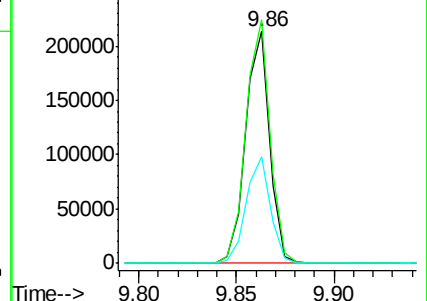
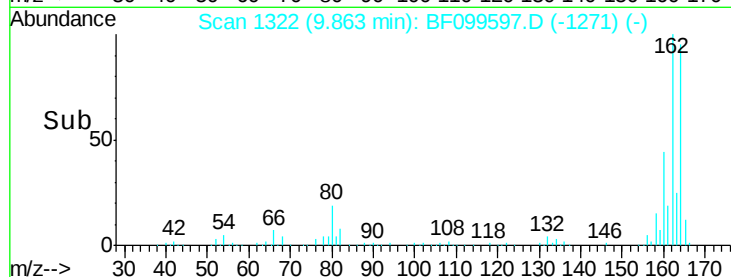
160 45.9 38.3 57.5



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: 96.36 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

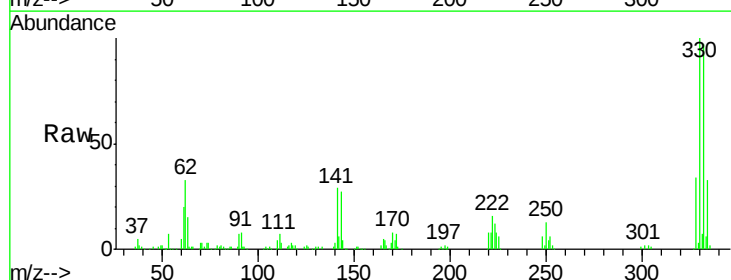
Tgt Ion:330 Resp: 143488

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

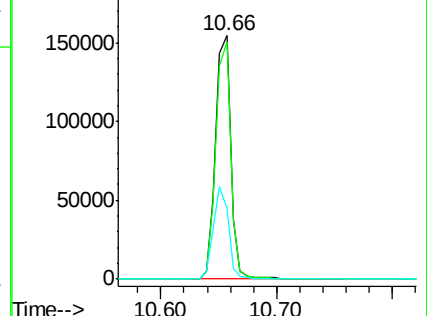
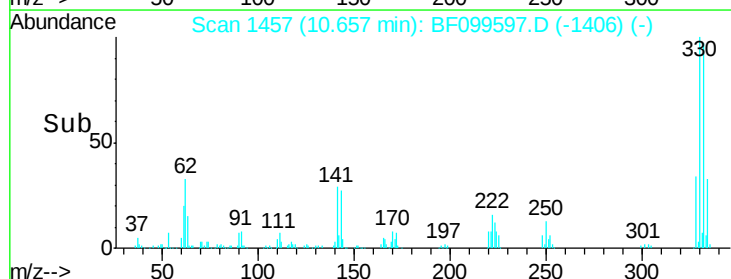
141 37.2 29.9 44.9



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

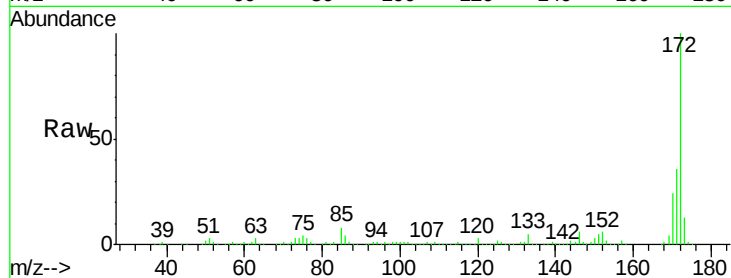




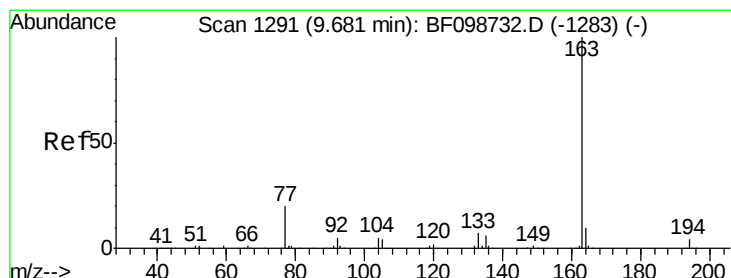
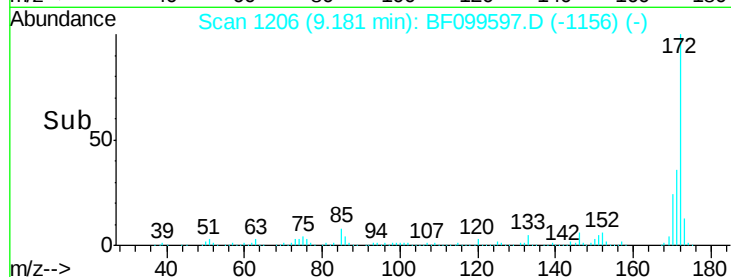
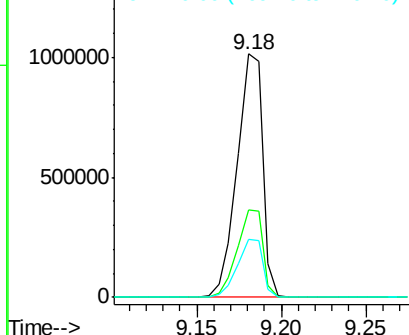
#44
2-Fluorobiphenyl
Concen: 98.44 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1072971
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.6 19.6 29.4

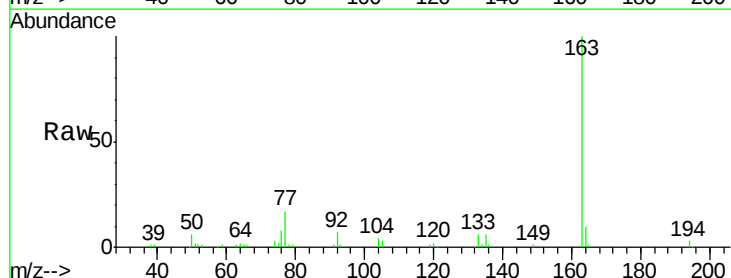


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

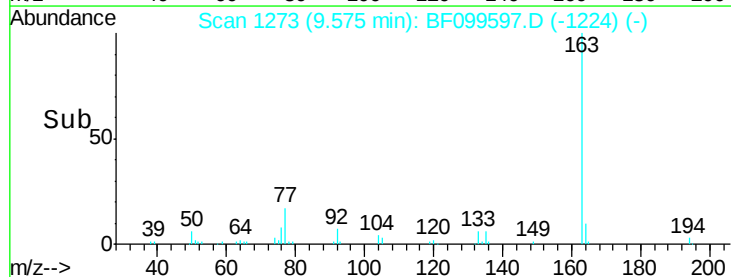
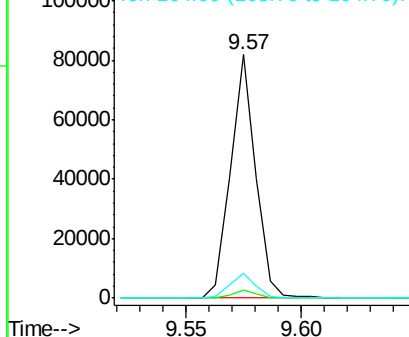


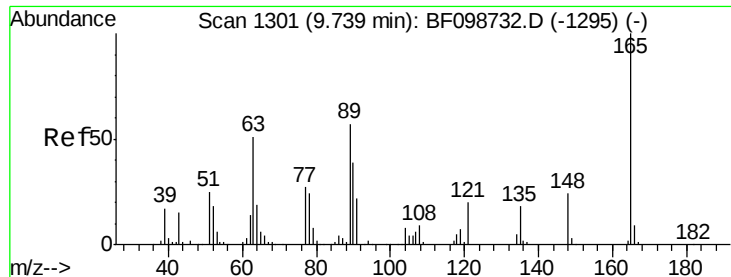
#49
Dimethylphthalate
Concen: 4.48 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

Tgt Ion:163 Resp: 61499
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 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

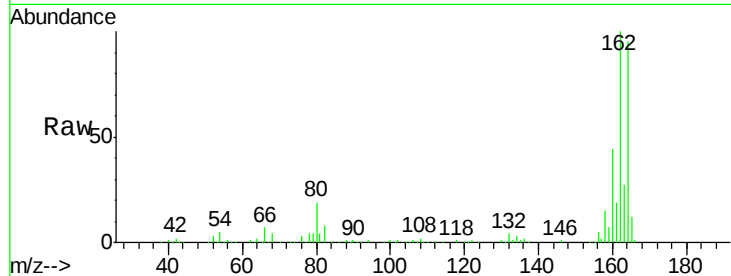




#50
 2,6-Dinitrotoluene
 Concen: 7.76 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099597.D
 Acq: 17 Oct 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :

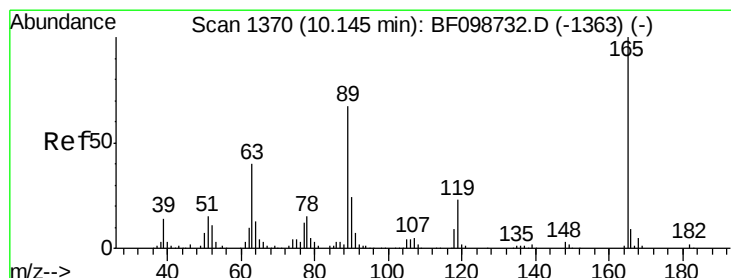
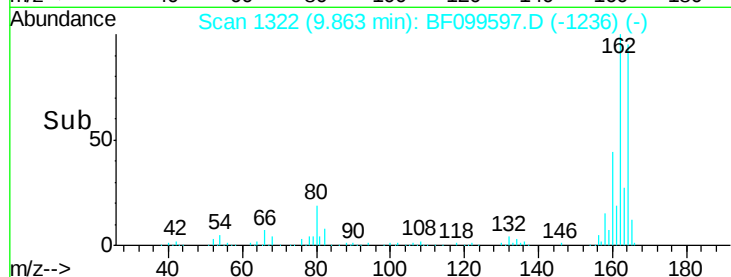
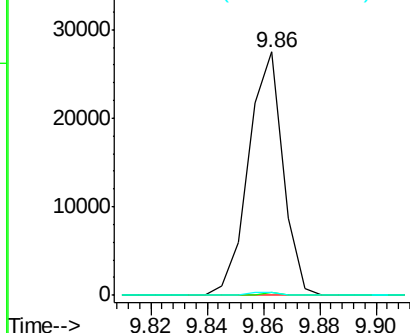
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.2	44.0	66.0#



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: 5.98 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF099597.D
 Acq: 17 Oct 2017 22:41

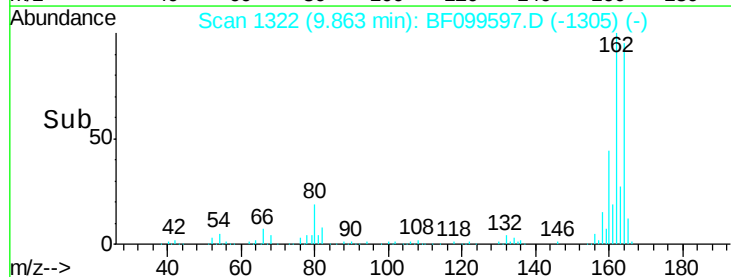
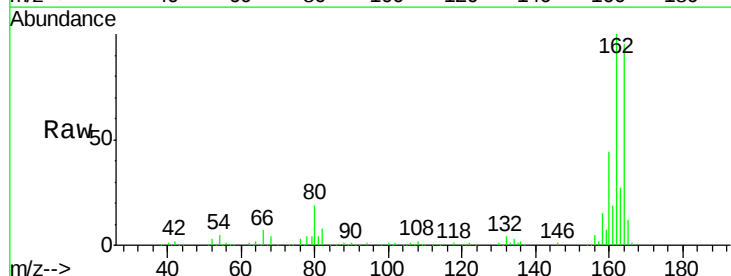
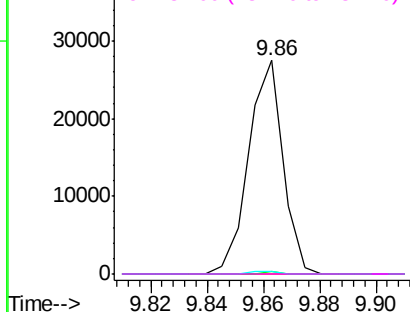
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

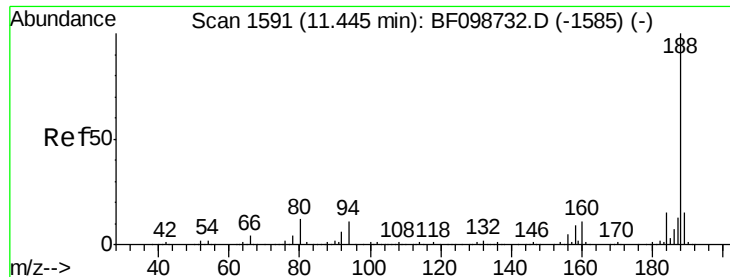
Abundance Ion 165.00 (164.70 to 165.70): E

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

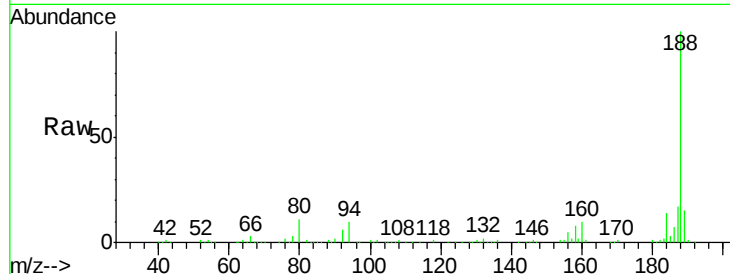




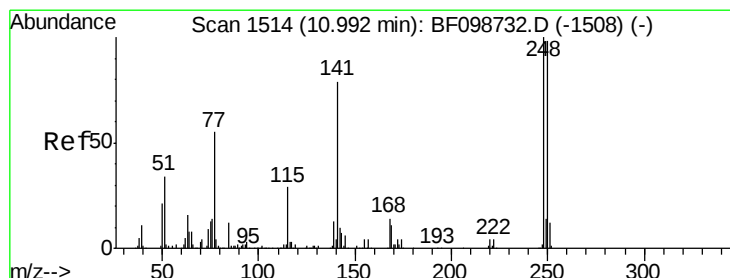
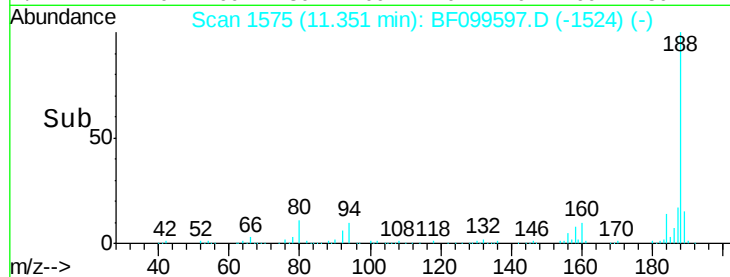
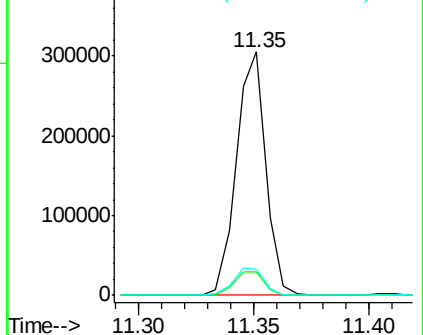
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.5	9.2	13.8

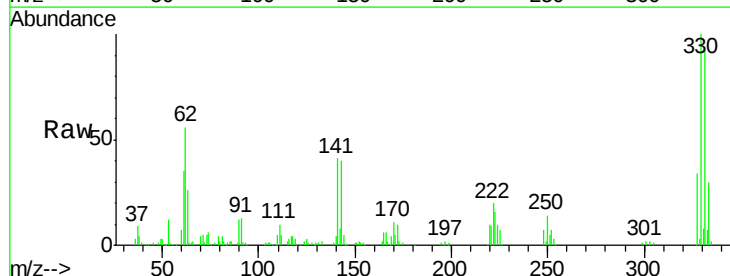


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

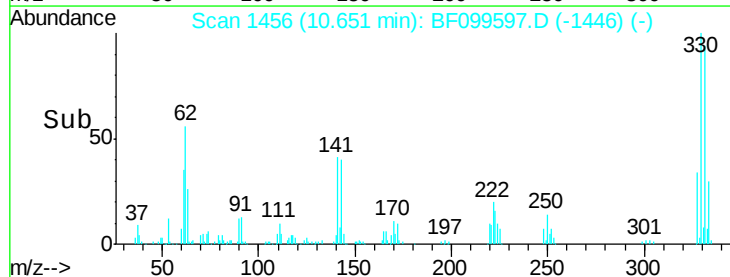
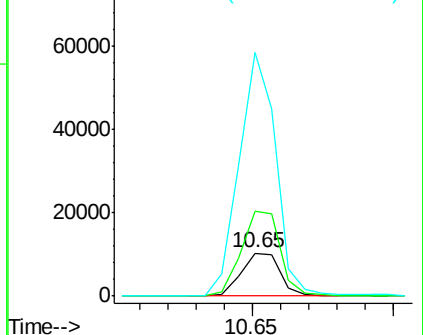


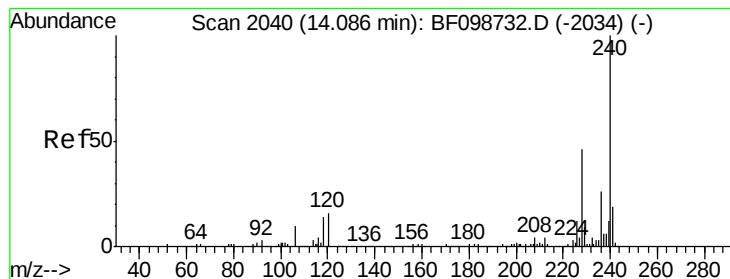
#66
4-Bromophenyl-phenylether
Concen: 3.70 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.24 min
Lab File: BF099597.D
Acq: 17 Oct 2017 22:41

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.0	76.9	115.3#
141	565.3	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: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

Instrument :

BNA_F

ClientSampleId :

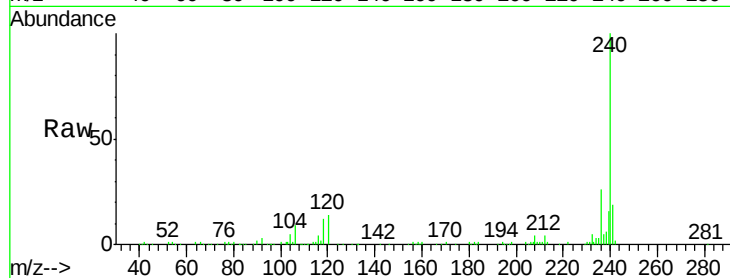
Tot Ion:240 Resp: 172103

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

236 25.6 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

250000

200000

150000

100000

50000

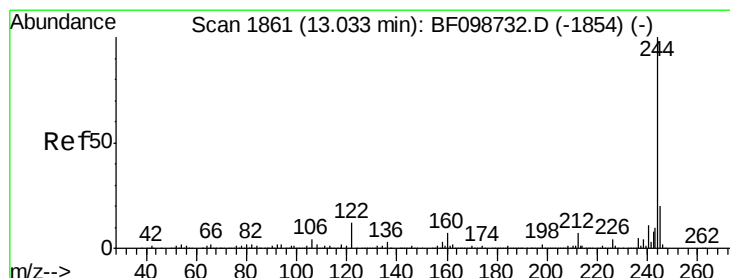
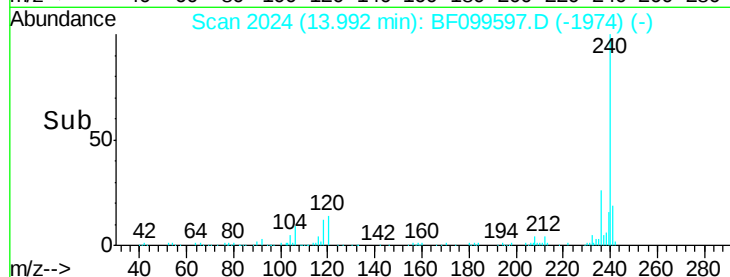
0

13.95

14.00

14.05

Time-->



#78

Terphenyl-d14

Concen: 85.70 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099597.D

Acq: 17 Oct 2017 22:41

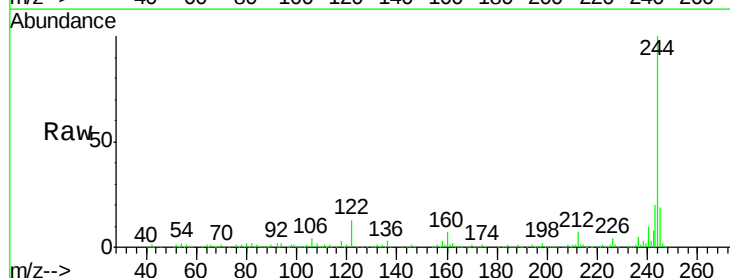
Tgt Ion:244 Resp: 648535

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 12.8 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

800000

600000

400000

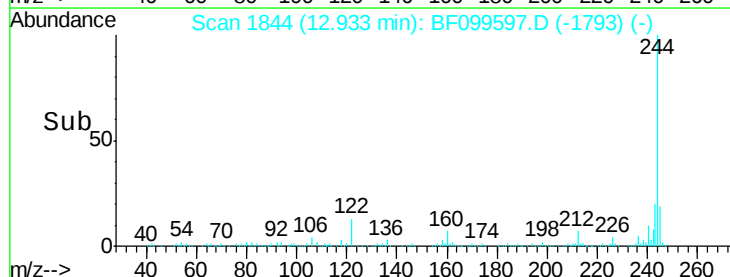
200000

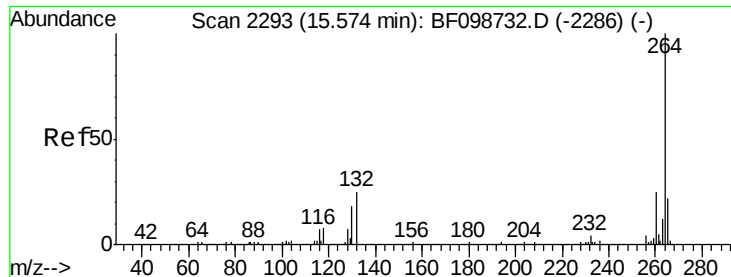
0

12.90

13.00

Time-->

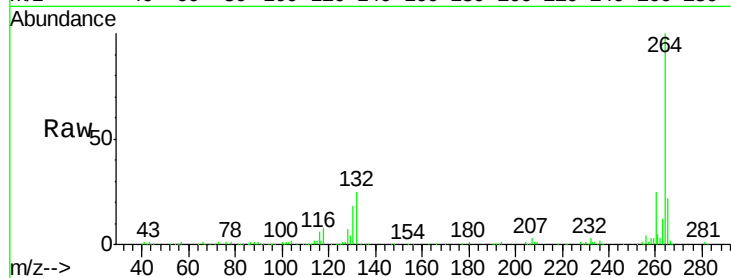




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: BF099597.D
 Acq: 17 Oct 2017 22:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.3	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

