

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099577.D
 Acq On : 17 Oct 2017 7:04
 Operator : SJ/JU
 Sample : I5908-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 11:16:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

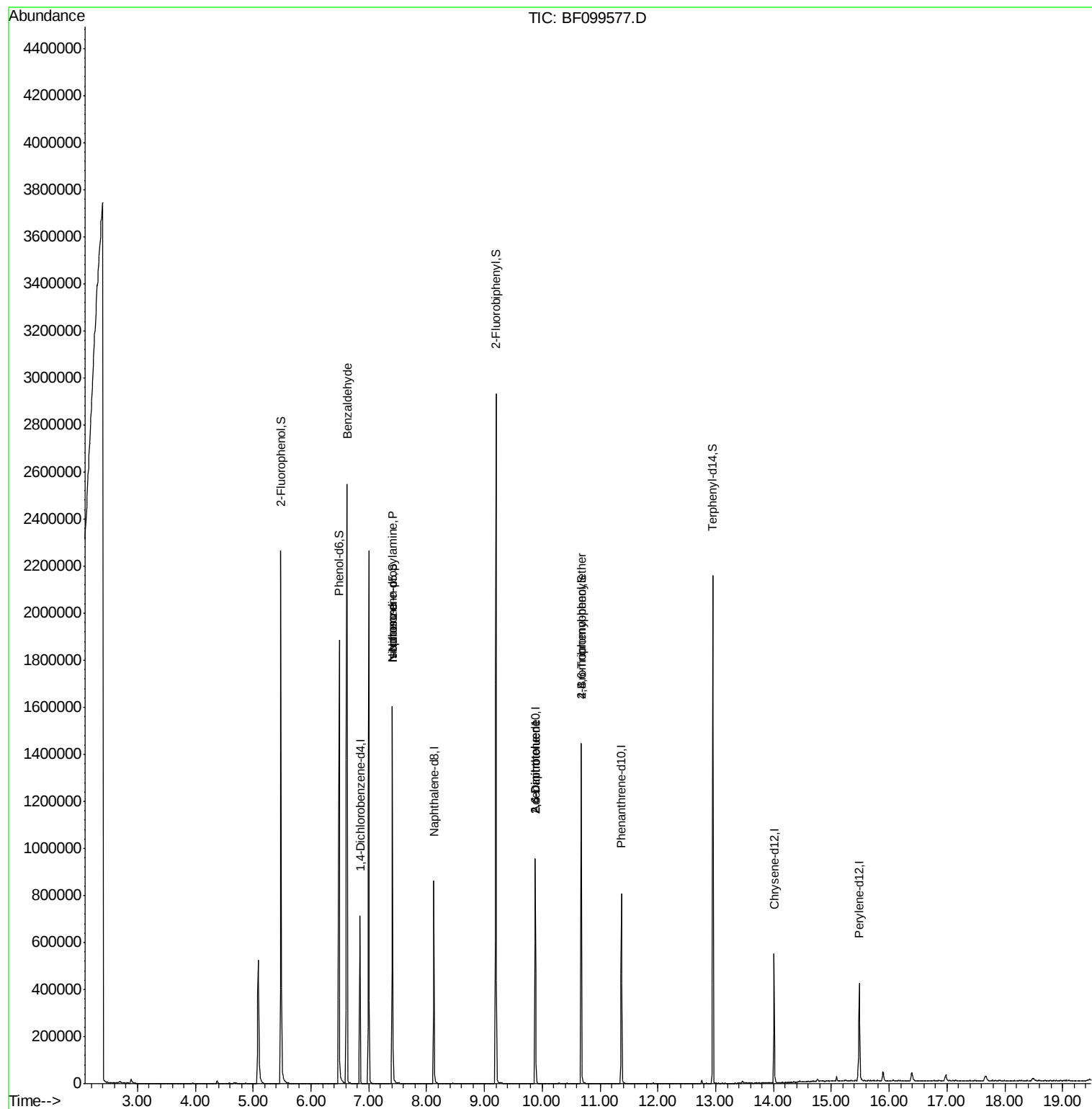
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107699	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	426918	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	180169	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	265947	20.00	ng	0.00
75) Chrysene-d12	14.01	240	188930	20.00	ng	0.00
86) Perylene-d12	15.49	264	194228	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	767838	113.49	ng	0.01
7) Phenol-d6	6.49	99	823636	98.69	ng	0.00
23) Nitrobenzene-d5	7.41	82	601371	90.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	180184	122.22	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1083274	100.37	ng	-0.01
78) Terphenyl-d14	12.95	244	701774	84.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	14678	3.032	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	75280	14.128	ng	# 73
25) Isophorone	7.41	82	601367	43.693	ng	# 64
50) 2,6-Dinitrotoluene	9.88	165	22905	7.737	ng	# 25
56) 2,4-Dinitrotoluene	9.88	165	22905	5.962	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	12248	4.705	ng	# 1

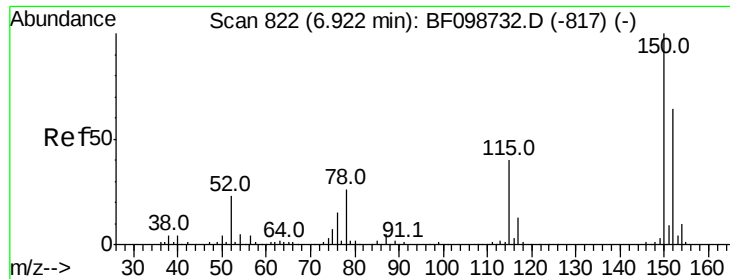
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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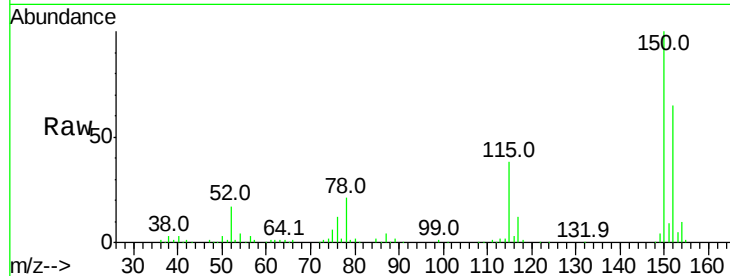


#1

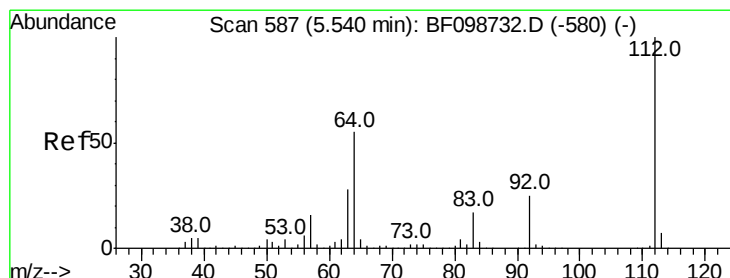
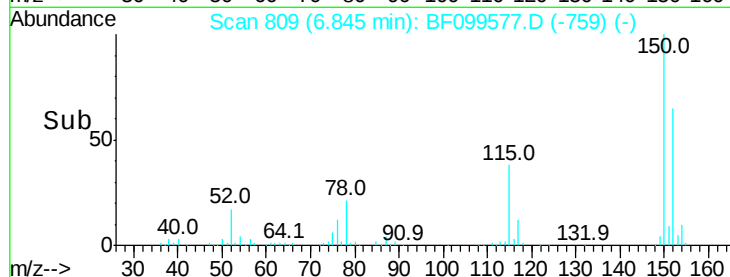
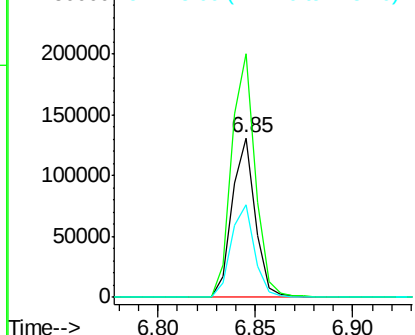
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 107699
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 58.4 50.1 75.1



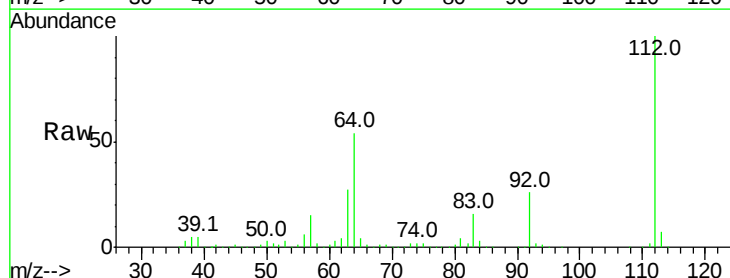
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



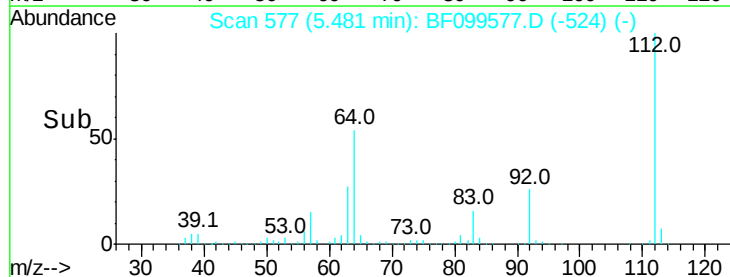
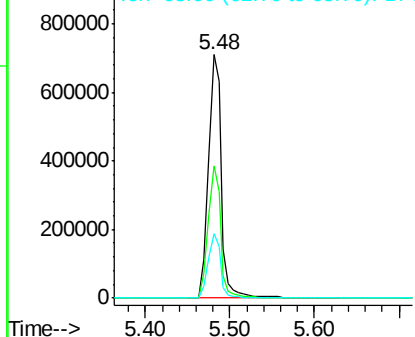
#5

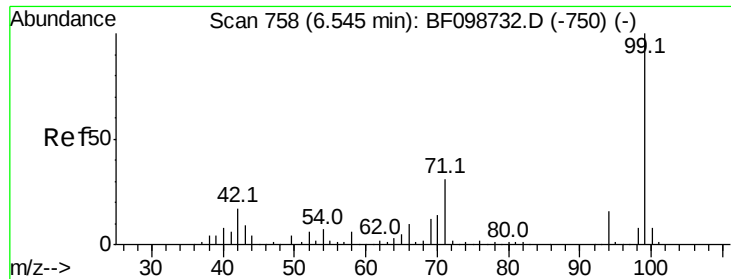
2-Fluorophenol
Concen: 113.494 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

Tgt Ion:112 Resp: 767838
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 26.6 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: 98.687 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

Instrument :

BNA_F

ClientSampled :

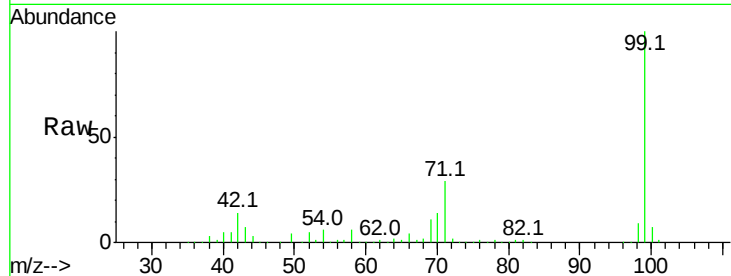
Tot Ion: 99 Resp: 823636

Ion Ratio Lower Upper

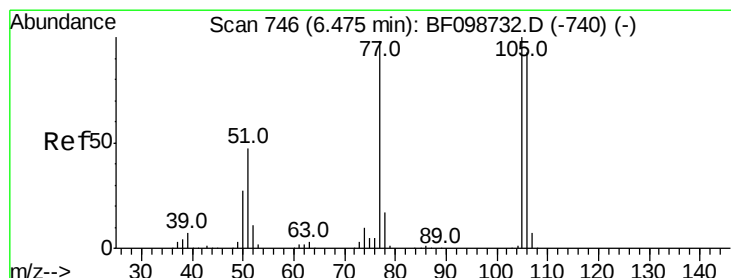
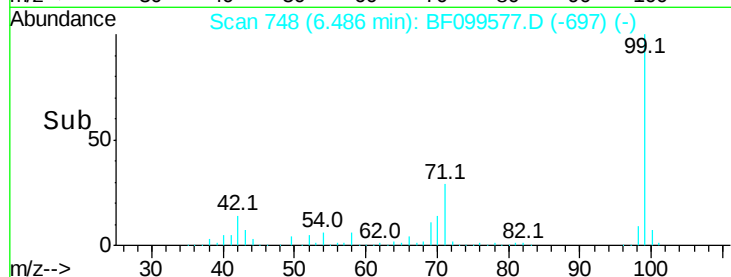
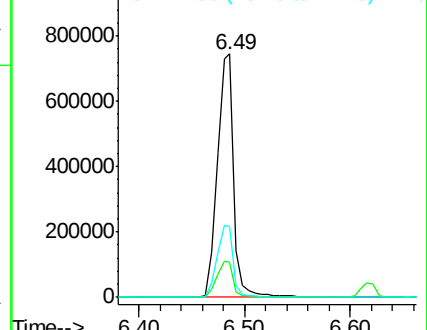
99 100

42 14.3 14.5 21.7#

71 29.3 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: 3.032 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

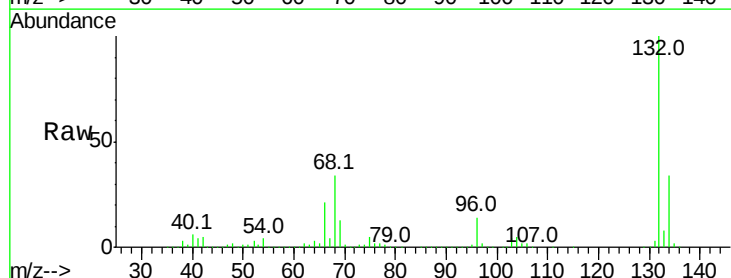
Tgt Ion: 77 Resp: 14678

Ion Ratio Lower Upper

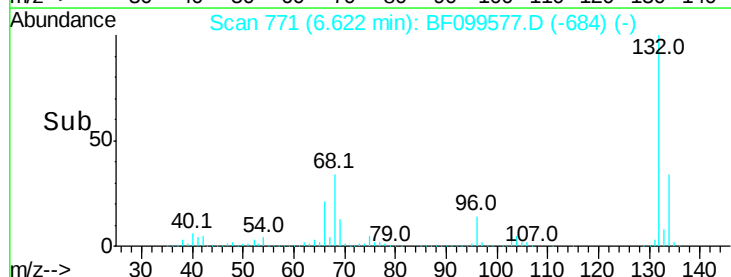
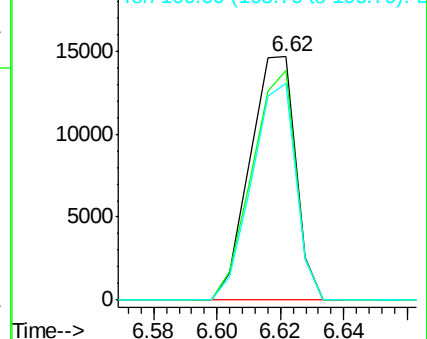
77 100

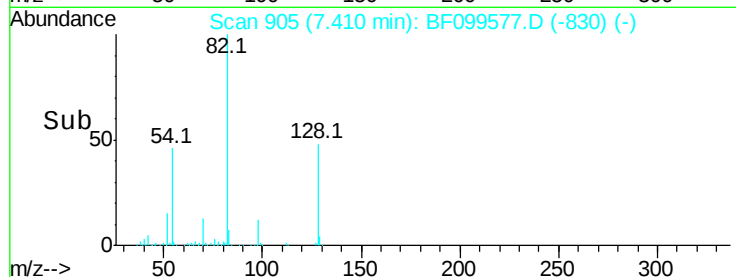
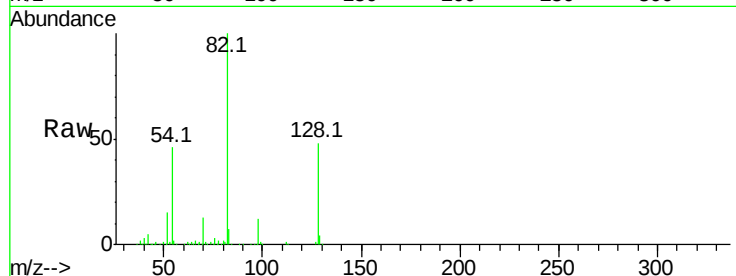
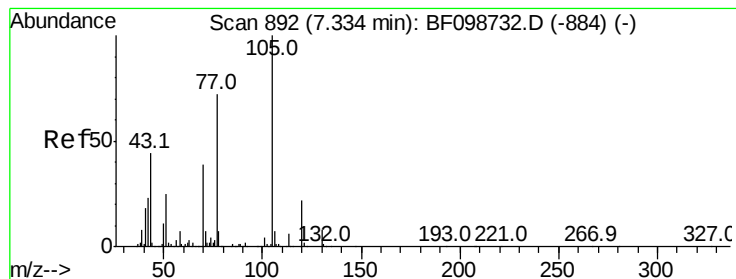
105 94.0 81.1 121.1

106 88.9 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: 14.128 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 75280

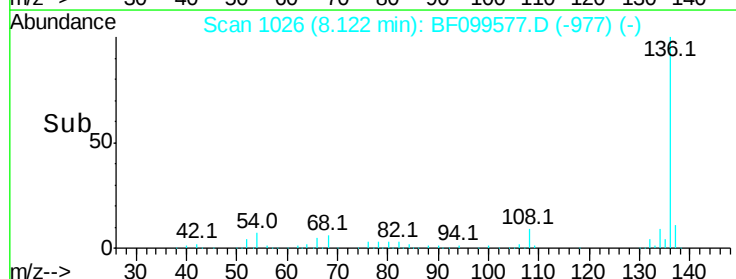
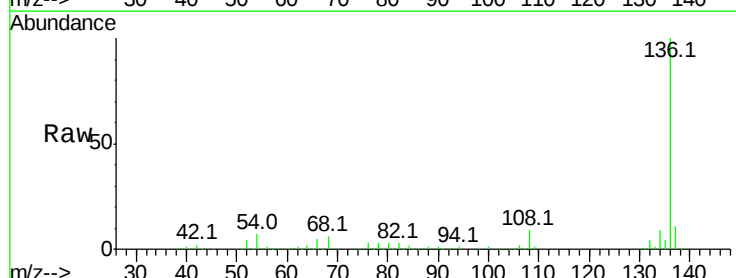
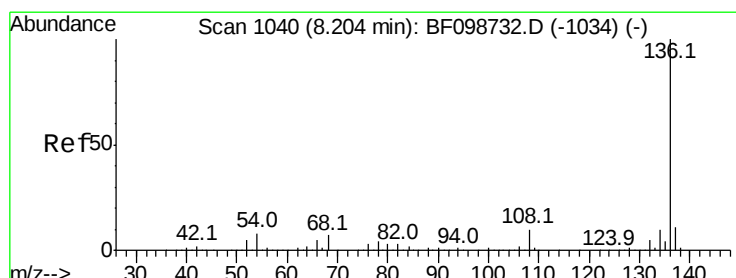
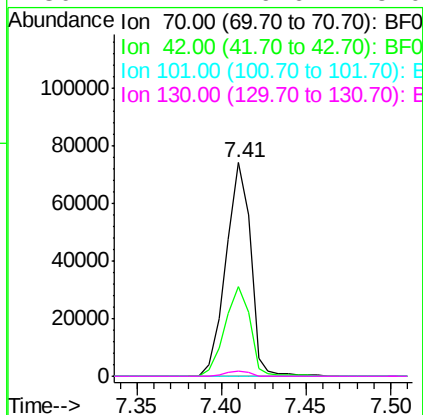
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

Tgt Ion:136 Resp: 426918

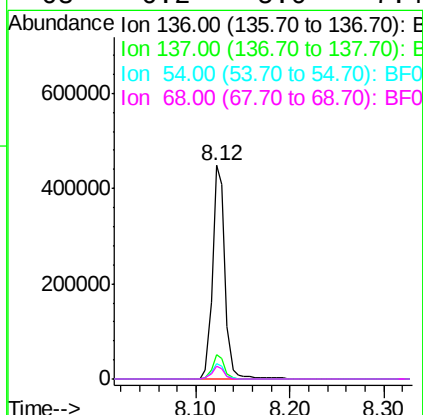
Ion Ratio Lower Upper

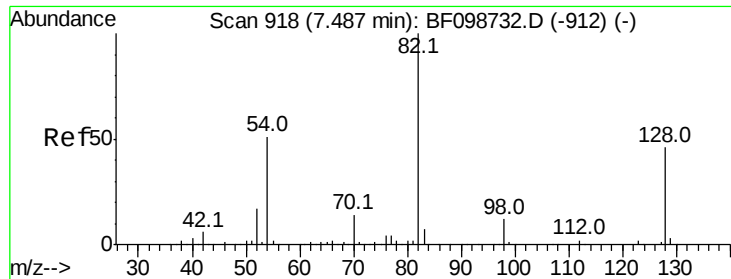
136 100

137 11.3 8.9 13.3

54 7.5 6.6 9.8

68 6.2 5.0 7.4

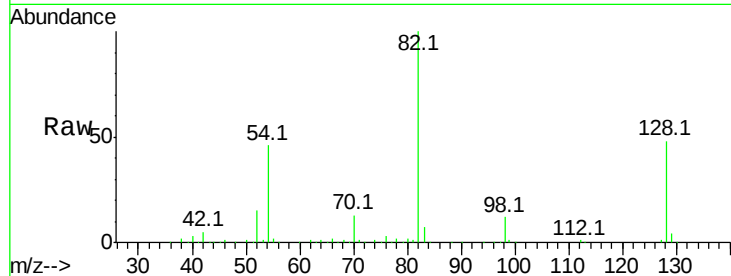




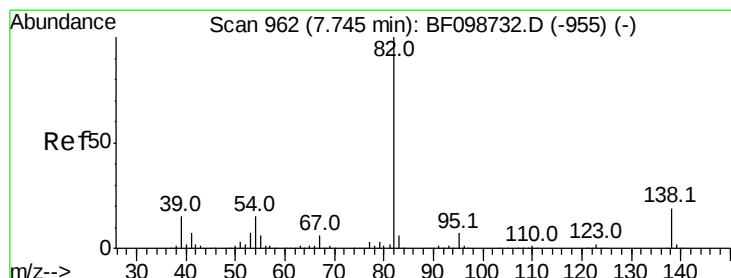
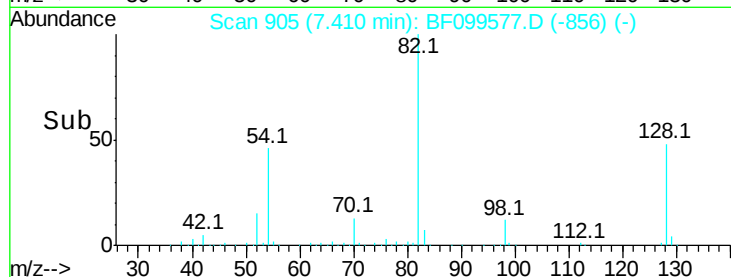
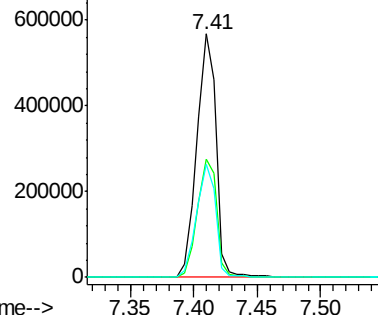
#23
Nitrobenzene-d5
Concen: 90.336 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	601371
Ion Ratio	100	Lower	Upper
128	48.5	36.1	54.1
54	46.2	41.4	62.2

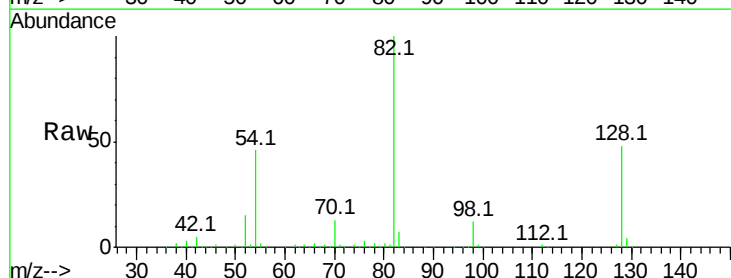


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

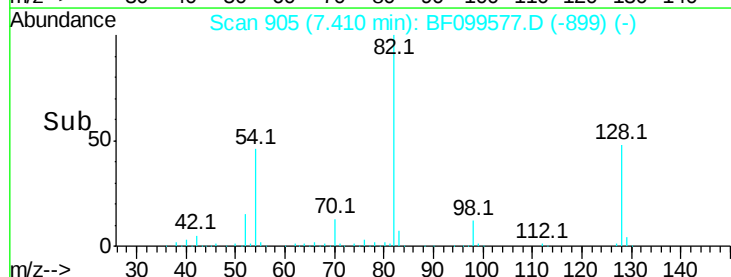
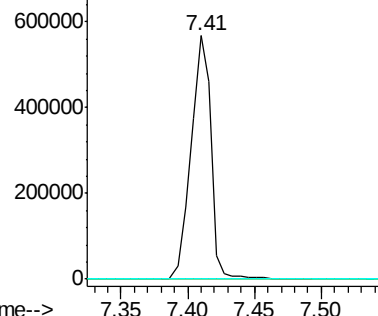


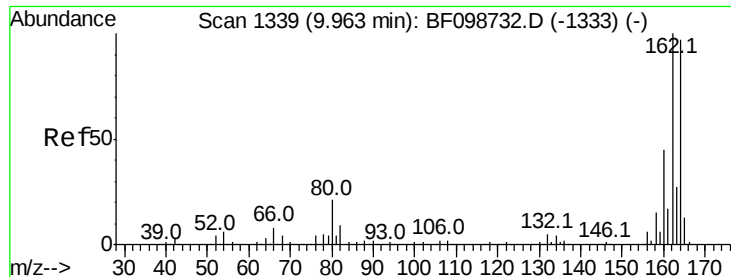
#25
Isophorone
Concen: 43.693 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

Tgt Ion	82	Resp	601367
Ion Ratio	100	Lower	Upper
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

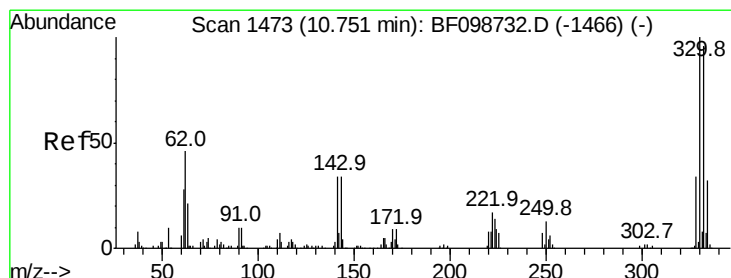
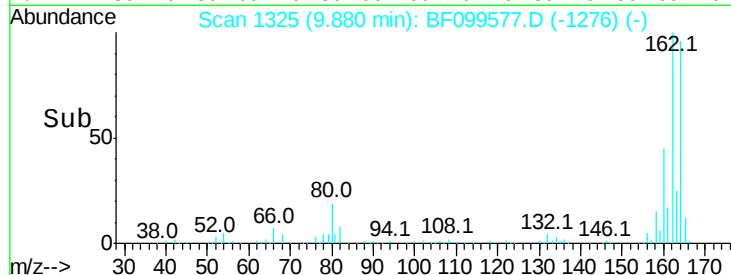
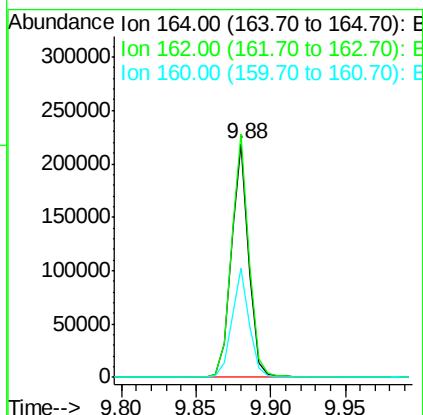
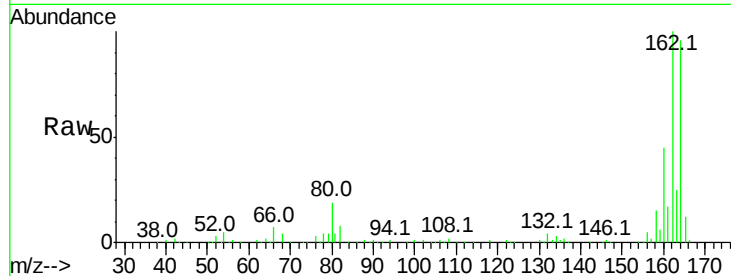




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

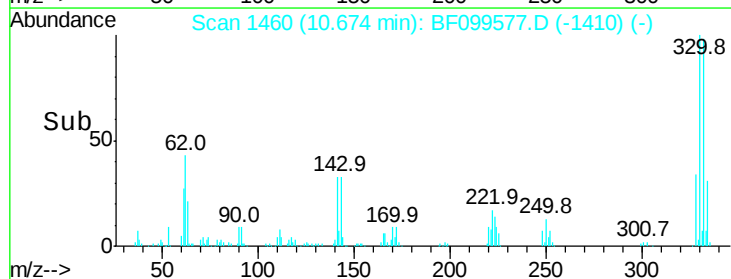
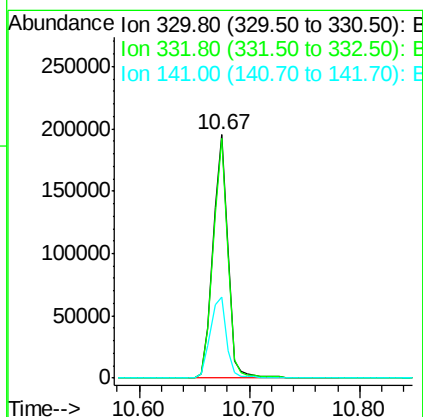
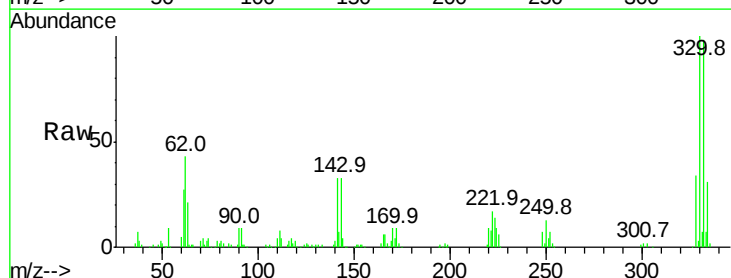
Instrument :
BNA_F
ClientSampleId :

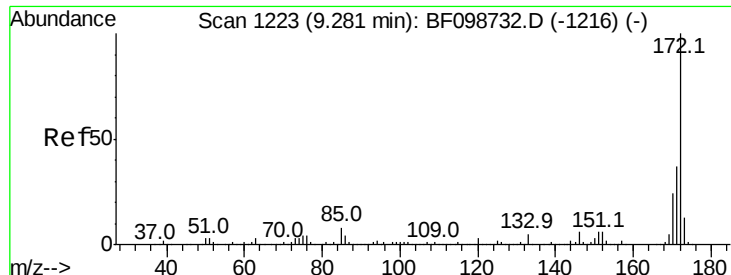
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	46.8	38.3	57.5



#41
2,4,6-Tribromophenol
Concen: 122.219 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF099577.D
Acq: 17 Oct 2017 7:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	36.4	29.9	44.9



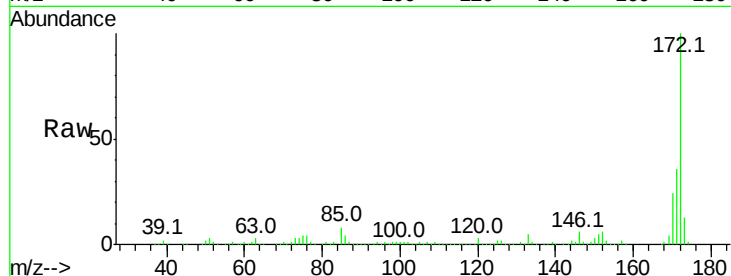


#44
 2-Fluorobiphenyl
 Concen: 100.374 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

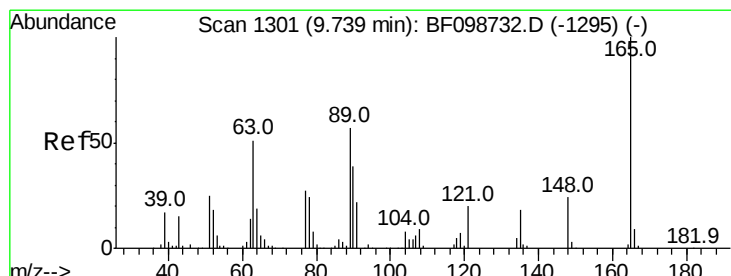
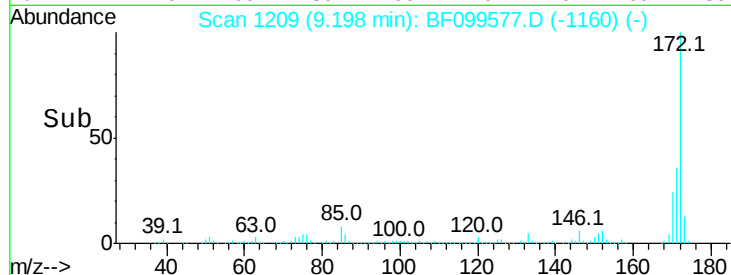
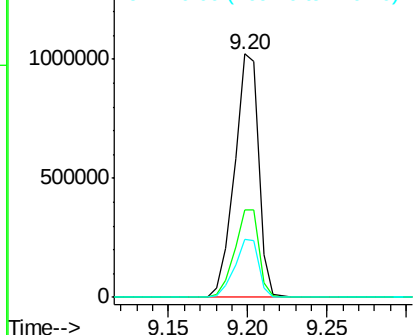
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1083274

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	19.6	29.4



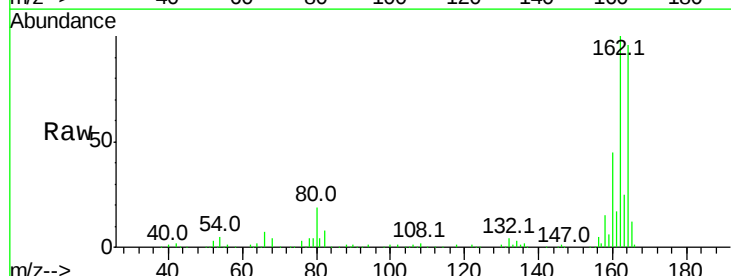
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



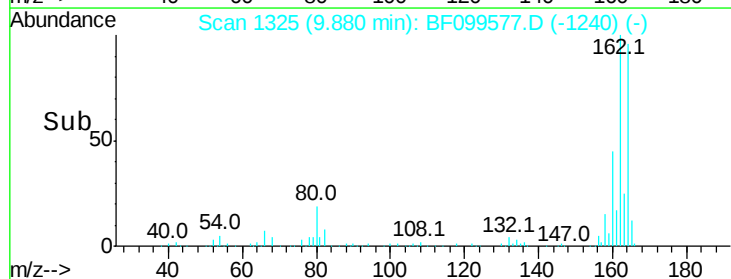
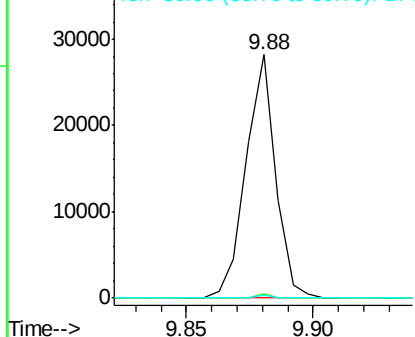
#50
 2,6-Dinitrotoluene
 Concen: 7.737 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.20 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

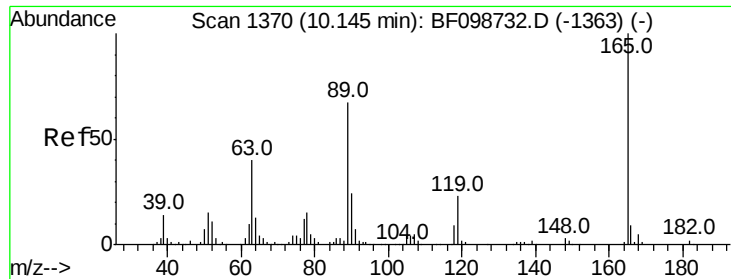
Tgt Ion:165 Resp: 22905

Ion	Ratio	Lower	Upper
165	100		
63	1.5	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

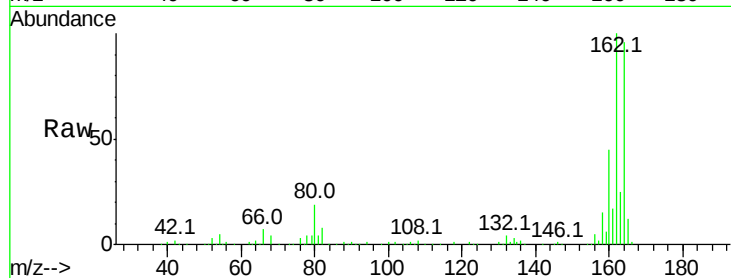




#56
 2,4-Dinitrotoluene
 Concen: 5.962 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.21 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	22905
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	1.2	57.8 86.6#
182	0.0	1.6 2.4#

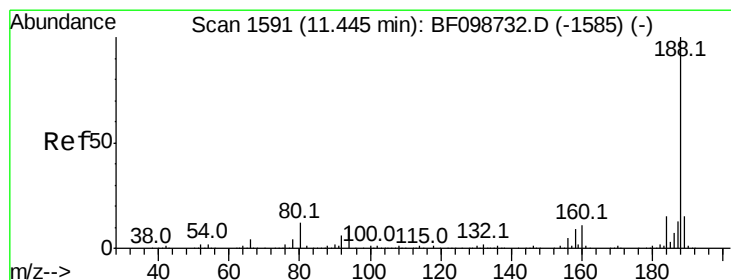
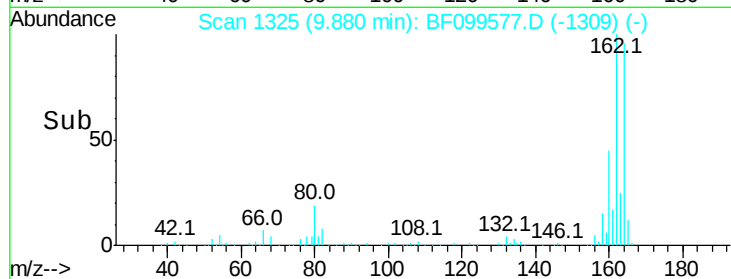
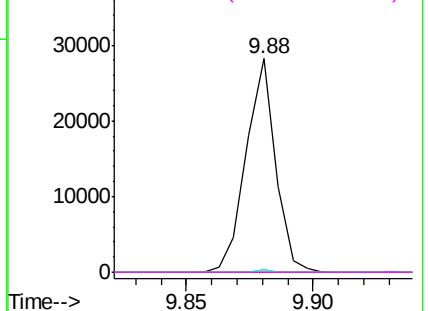


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

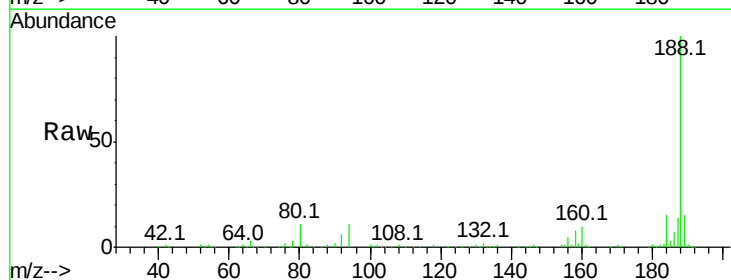
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

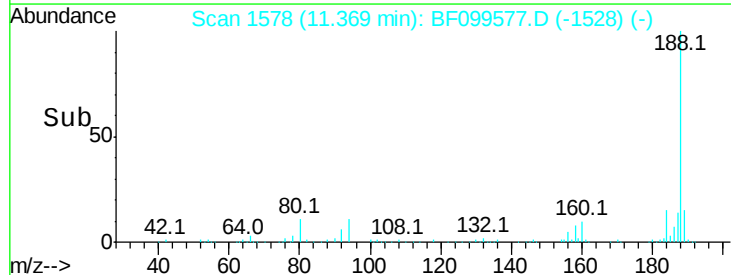
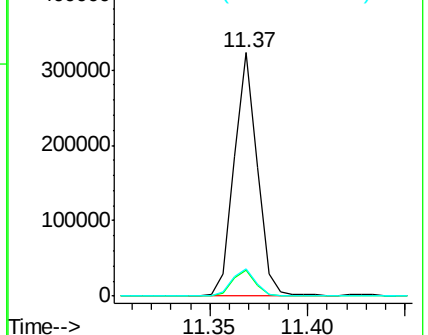
Tgt Ion:188	Resp:	265947
Ion Ratio	Lower	Upper
188	100	
94	10.6	8.5 12.7
80	11.2	9.2 13.8

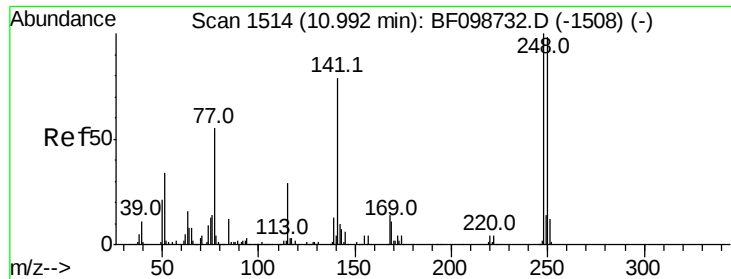


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

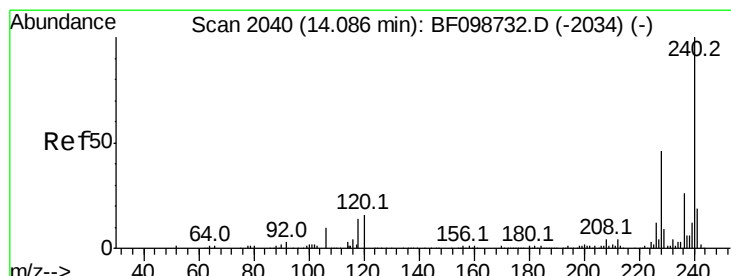
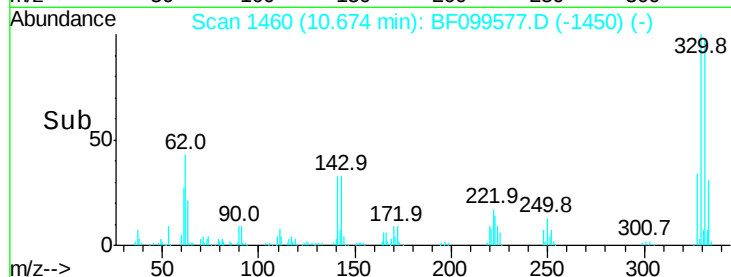
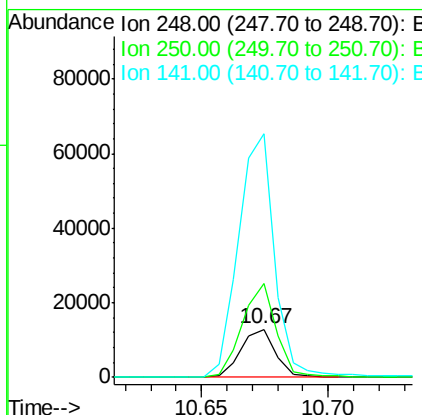
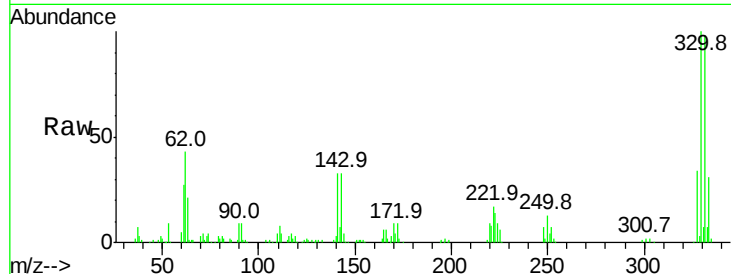




#66
 4-Bromophenyl-phenylether
 Concen: 4.705 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

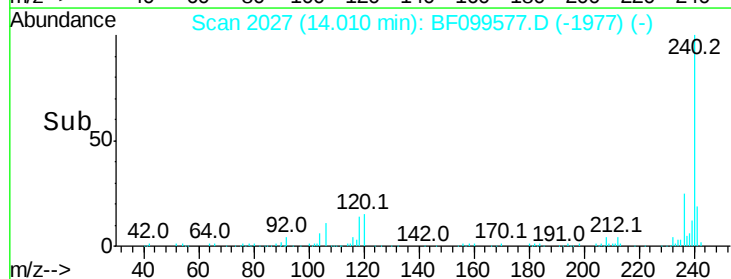
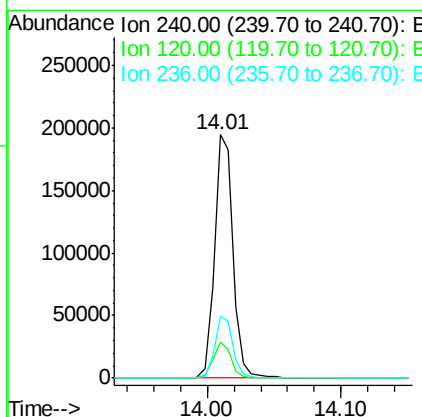
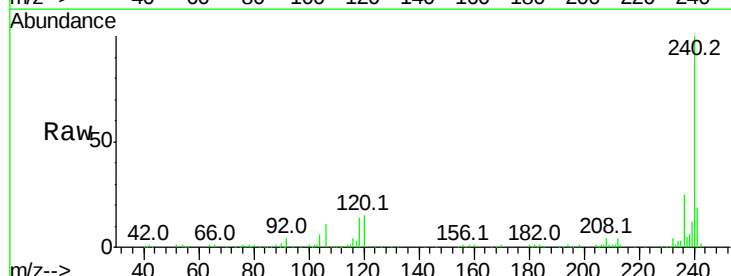
Instrument :
 BNA_F
 ClientSampled :

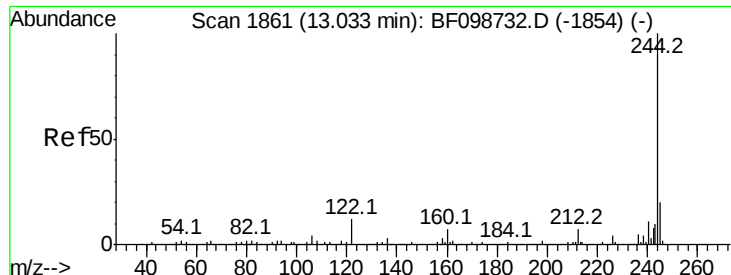
Tot Ion:248 Resp: 12248
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.9 115.3#
 141 503.3 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF099577.D
 Acq: 17 Oct 2017 7:04

Tgt Ion:240 Resp: 188930
 Ion Ratio Lower Upper
 240 100
 120 15.0 9.5 14.3#
 236 25.2 20.7 31.1





#78

Terphenyl-d14

Concen: 84.474 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

Instrument :

BNA_F

ClientSampleId :

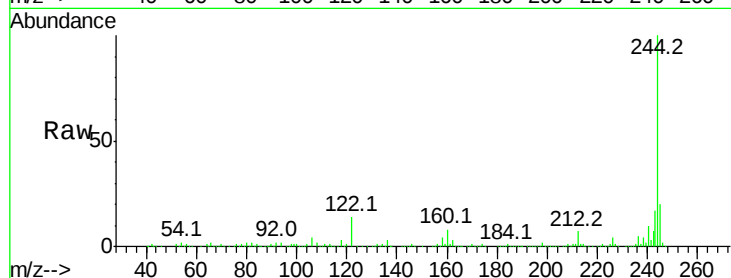
Tot Ion:244 Resp: 701774

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

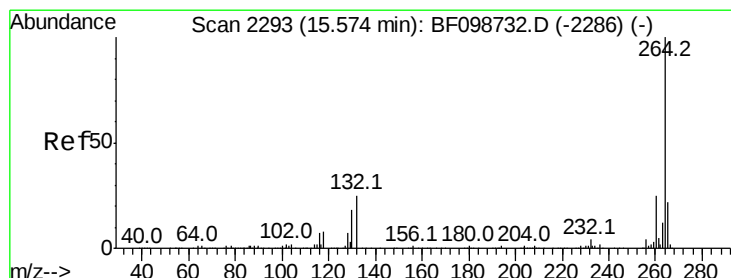
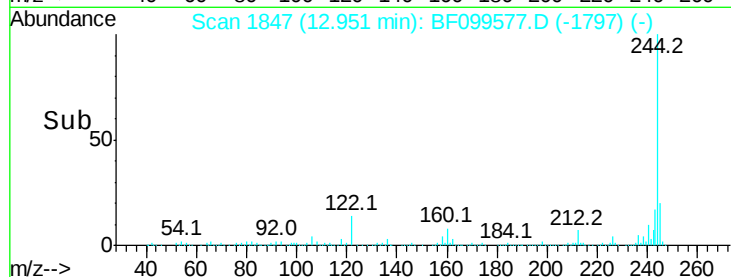
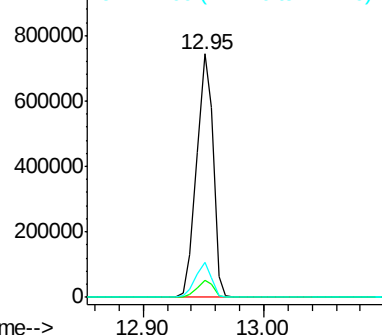
122 14.3 11.0 16.4



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: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099577.D

Acq: 17 Oct 2017 7:04

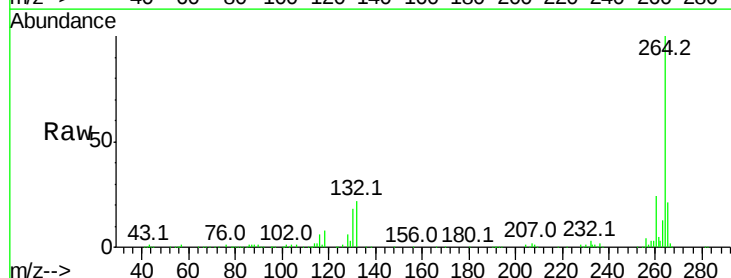
Tgt Ion:264 Resp: 194228

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.1 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

