

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098771.D
 Acq On : 24 Sep 2017 7:23
 Operator : SJ/JU
 Sample : I5297-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 09:38:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

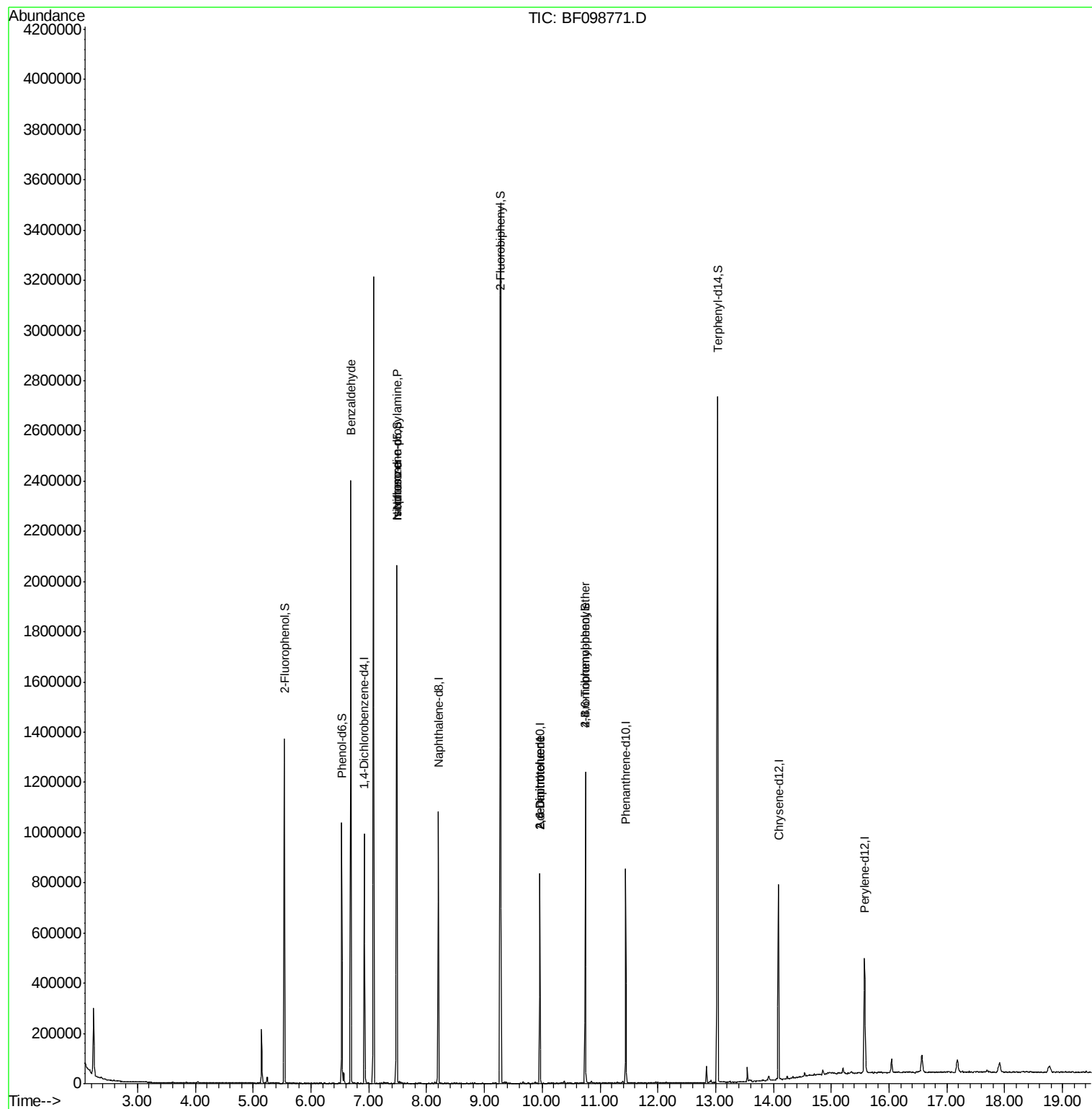
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	128801	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	441561	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	153703	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	254140	20.00	ng	0.00
75) Chrysene-d12	14.09	240	255638	20.00	ng	0.00
86) Perylene-d12	15.57	264	193313	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	376064	46.48	ng	0.00
7) Phenol-d6	6.53	99	281678	28.22	ng	-0.01
23) Nitrobenzene-d5	7.49	82	718653	104.37	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	113477	90.23	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1107100	120.25	ng	0.00
78) Terphenyl-d14	13.03	244	842332	74.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	13447	2.32	ng	# 76
19) n-Nitroso-di-n-propylamine	7.49	70	94679	14.86	ng	# 77
25) Isophorone	7.49	82	717716	50.42	ng	# 64
50) 2,6-Dinitrotoluene	9.96	165	19835	7.85	ng	# 24
56) 2,4-Dinitrotoluene	9.96	165	19835	6.05	ng	# 22
66) 4-Bromophenyl-phenylether	10.75	248	7842	3.15	ng	# 1

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

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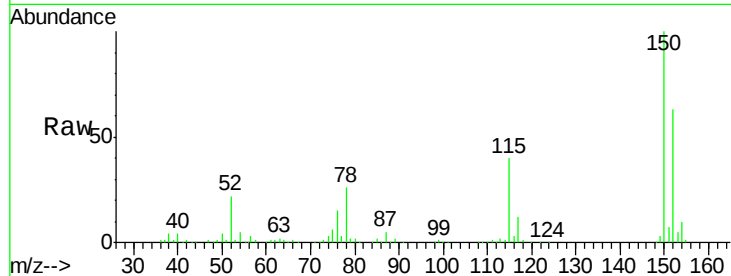


#1

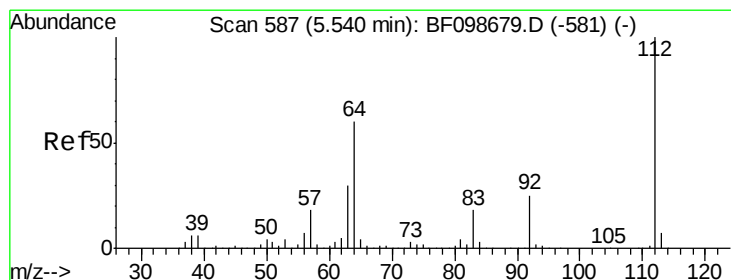
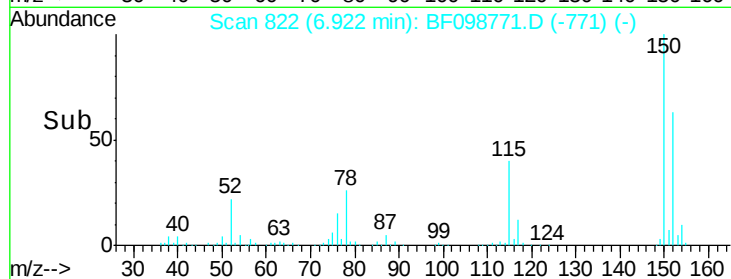
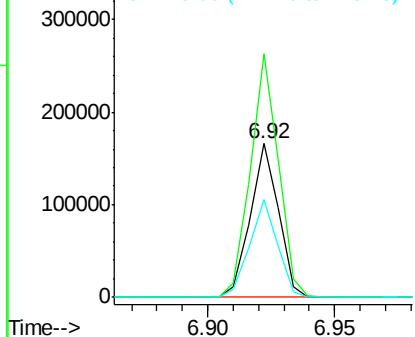
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 128801
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 63.5 50.1 75.1



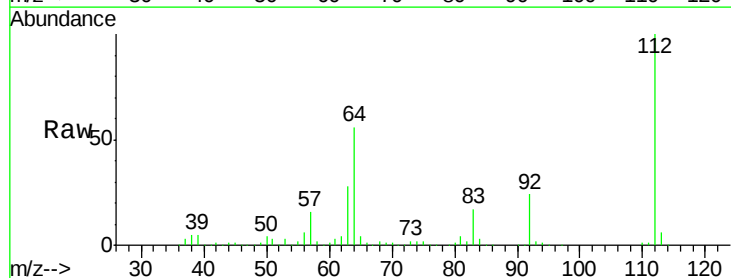
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



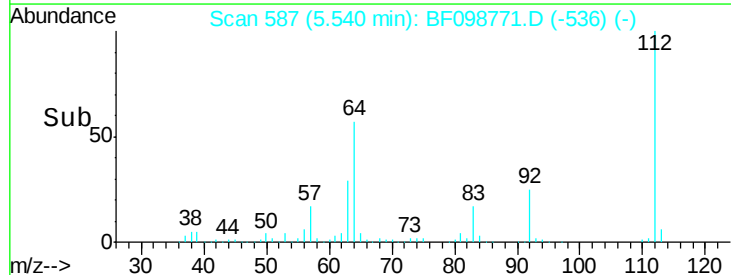
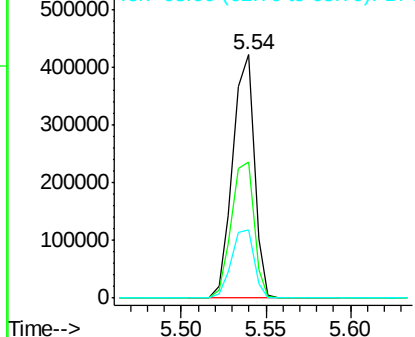
#5

2-Fluorophenol
 Concen: 46.48 ng
 RT: 5.54 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

Tgt Ion:112 Resp: 376064
 Ion Ratio Lower Upper
 112 100
 64 56.1 47.9 71.9
 63 28.1 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: 28.22 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

Instrument :

BNA_F

ClientSampled :

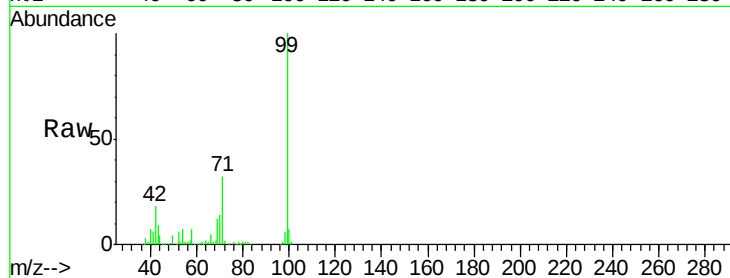
Tot Ion: 99 Resp: 281678

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

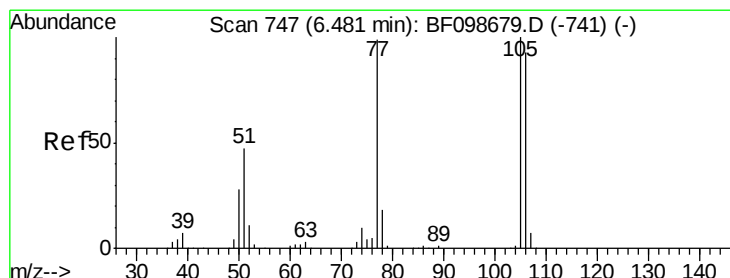
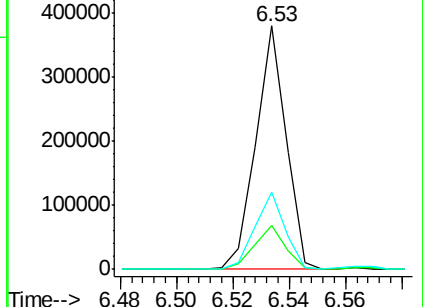
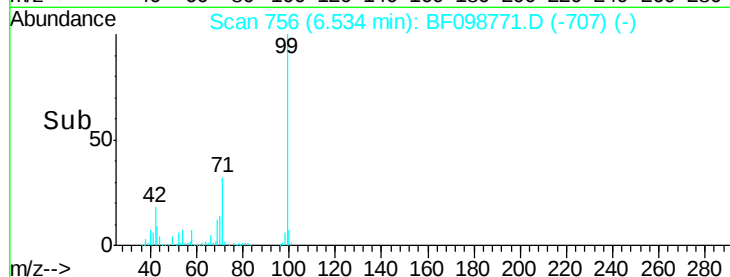
71 31.6 25.4 38.0



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: 2.32 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

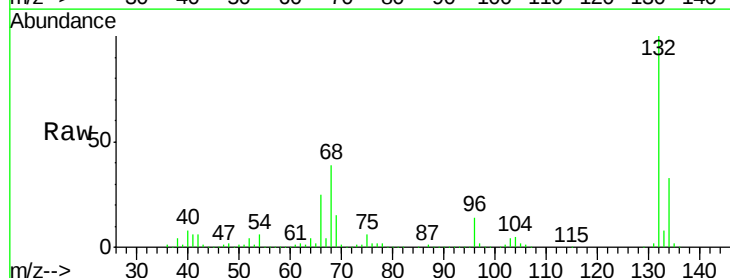
Tgt Ion: 77 Resp: 13447

Ion Ratio Lower Upper

77 100

105 78.9 81.1 121.1#

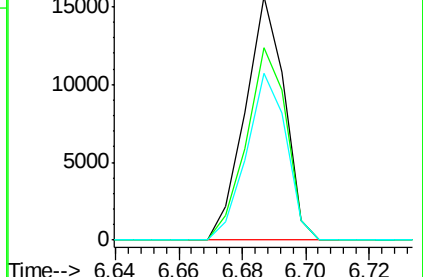
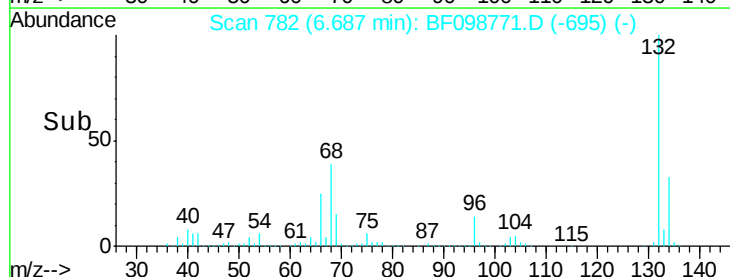
106 68.7 74.5 114.5#



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

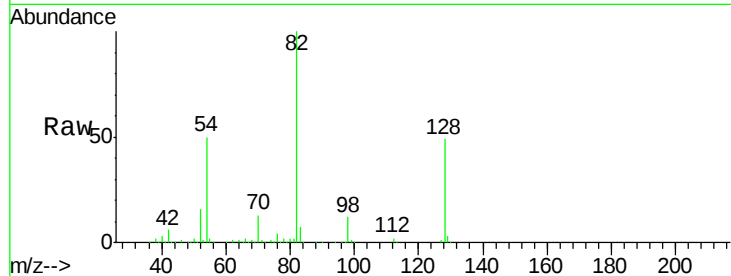




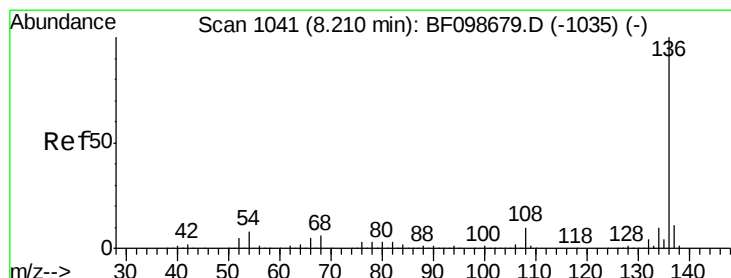
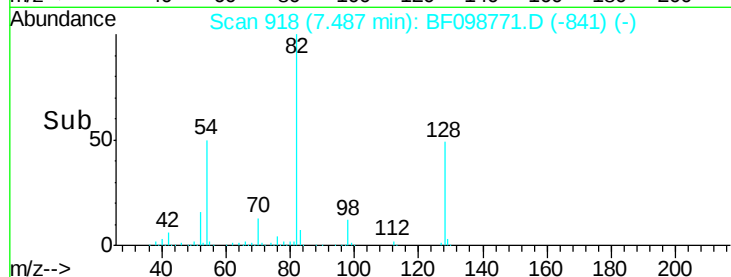
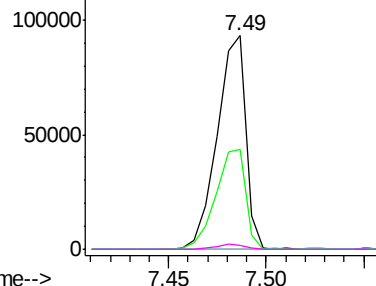
#19
n-Nitroso-di-n-propylamine
Concen: 14.86 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098771.D
Acq: 24 Sep 2017 7:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 94679
Ion Ratio Lower Upper
70 100
42 46.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

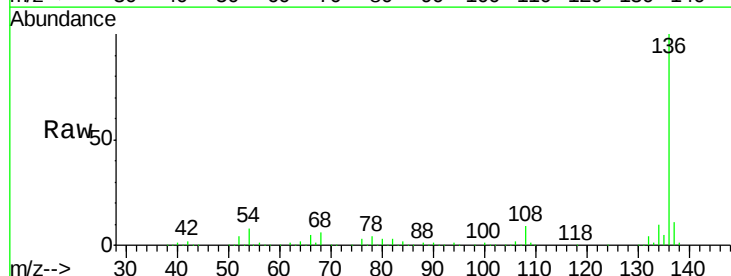


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

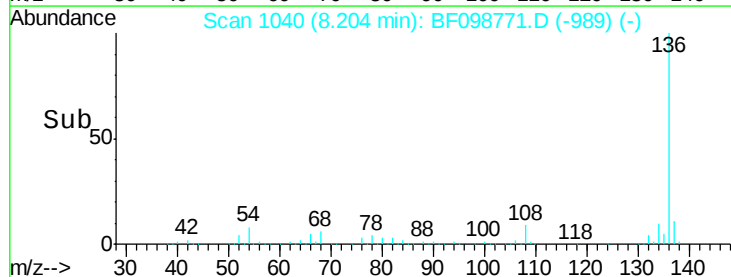
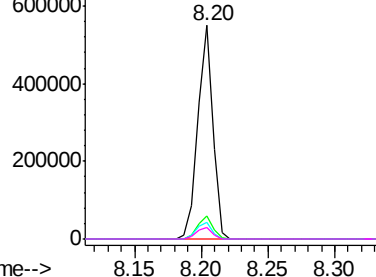


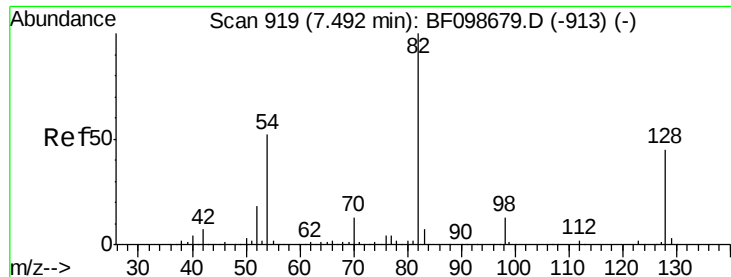
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF098771.D
Acq: 24 Sep 2017 7:23

Tgt Ion:136 Resp: 441561
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.7 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: 104.37 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

Instrument :

BNA_F

ClientSampleId :

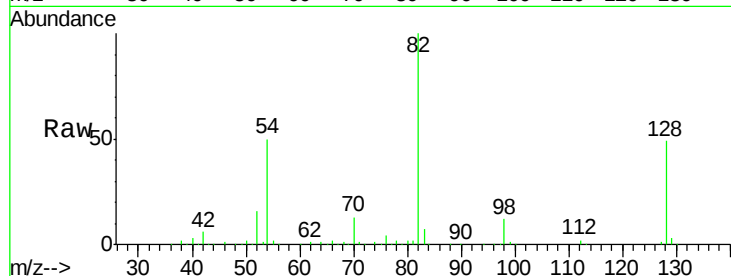
Tot Ion: 82 Resp: 718653

Ion Ratio Lower Upper

82 100

128 48.6 36.1 54.1

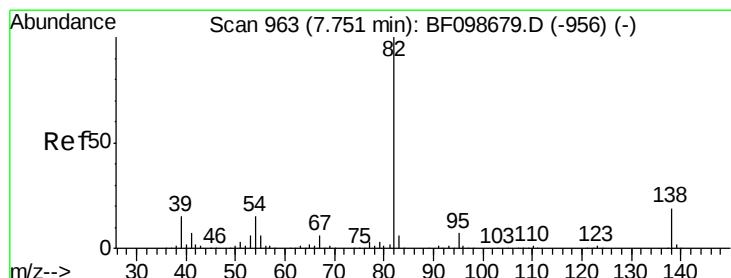
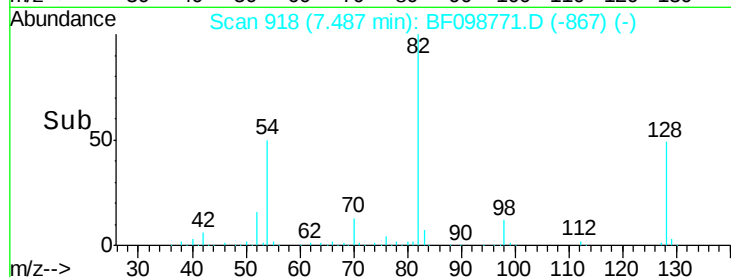
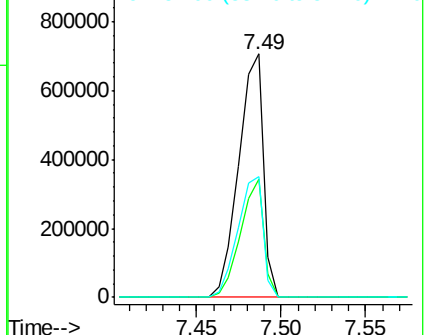
54 49.6 41.4 62.2



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: 50.42 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

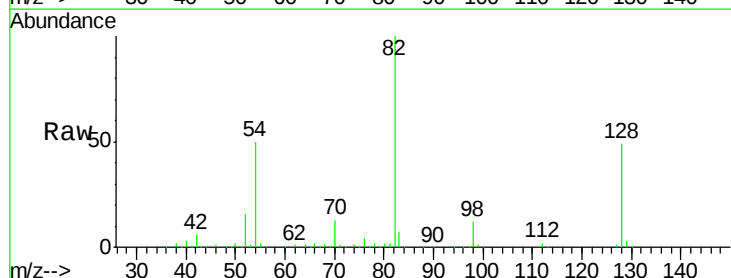
Tgt Ion: 82 Resp: 717716

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

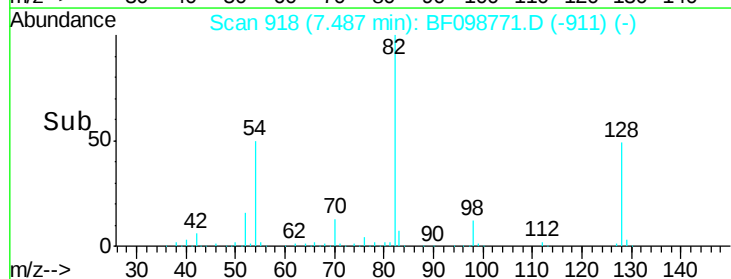
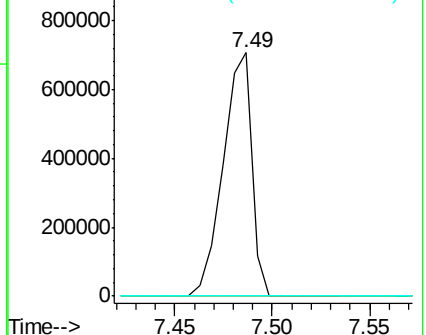
138 0.0 14.9 22.3#

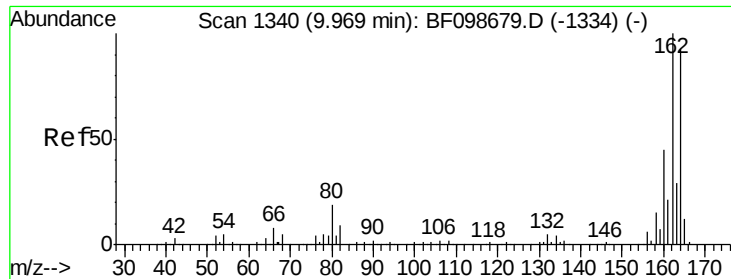


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

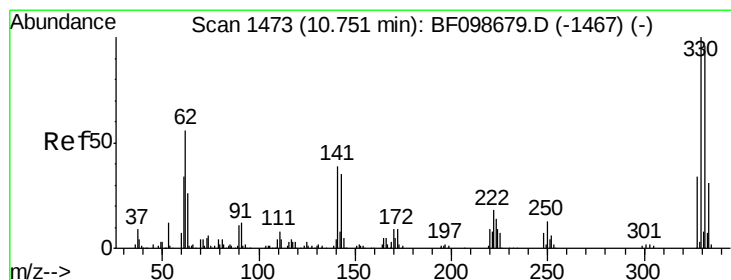
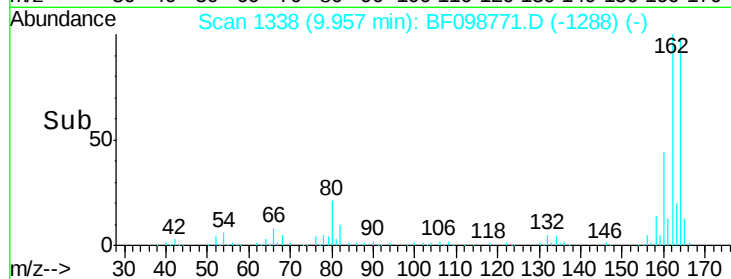
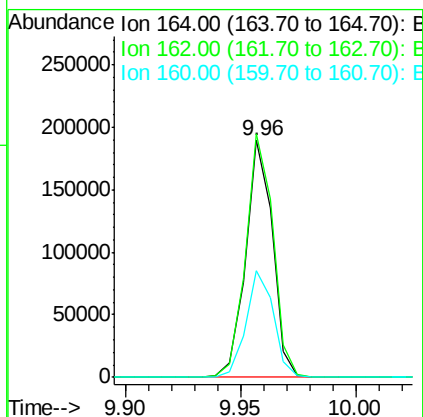
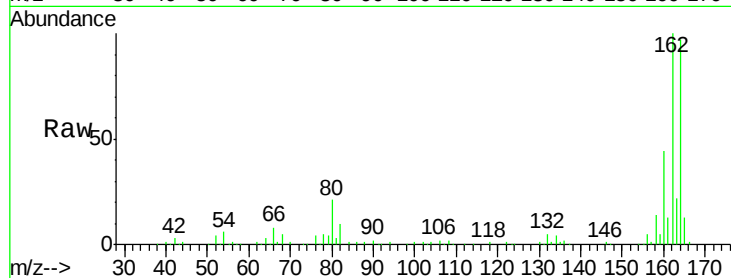




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

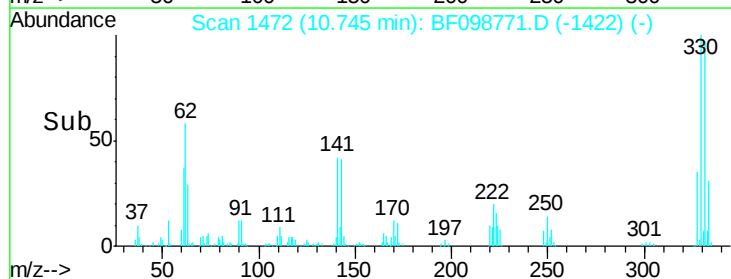
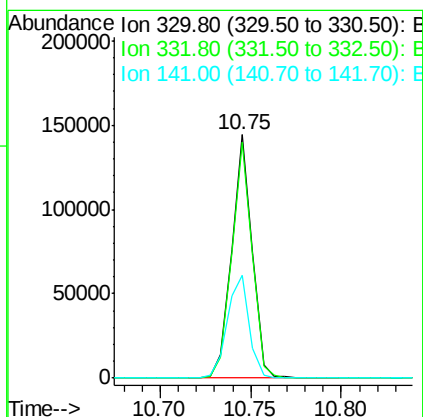
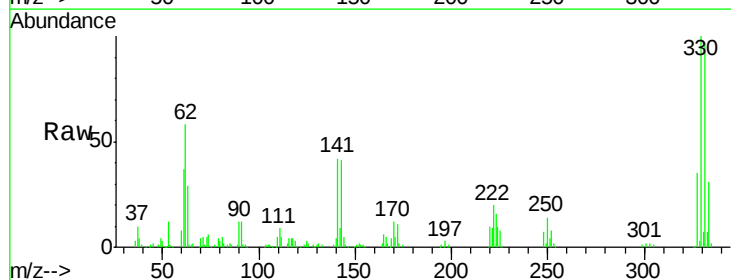
Instrument :
 BNA_F
 ClientSampleId :

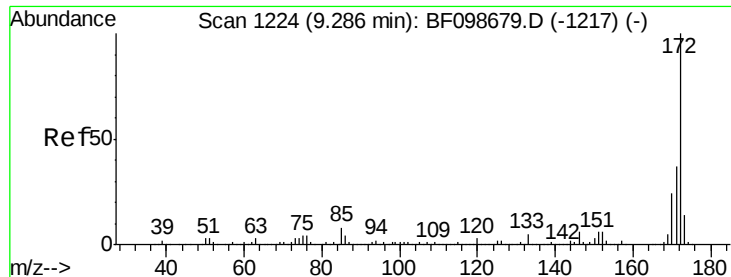
Tot Ion:164 Resp: 153703
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 90.23 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

Tgt Ion:330 Resp: 113477
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 45.1 29.9 44.9#



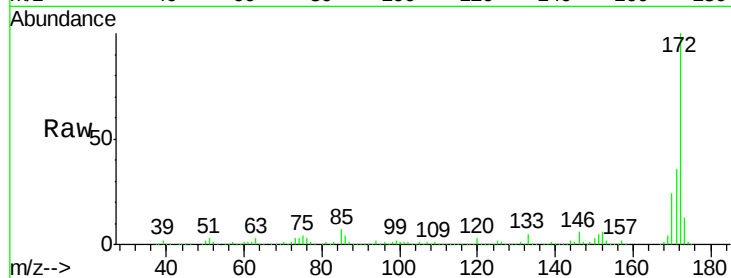


#44
 2-Fluorobiphenyl
 Concen: 120.25 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

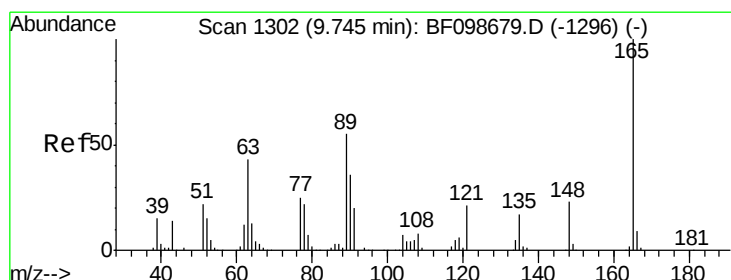
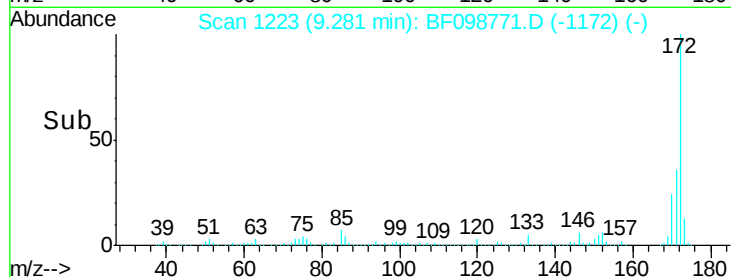
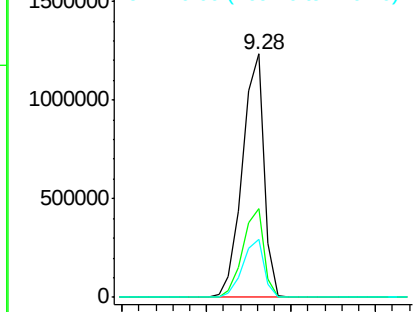
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1107100

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	19.6	29.4



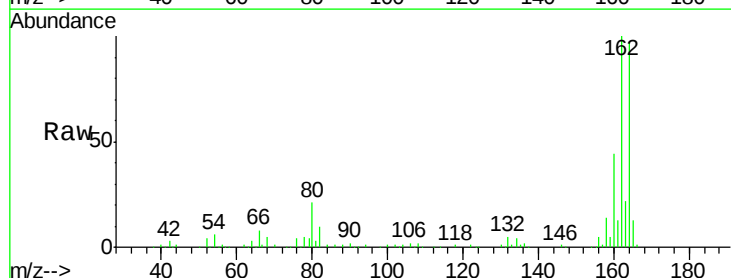
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



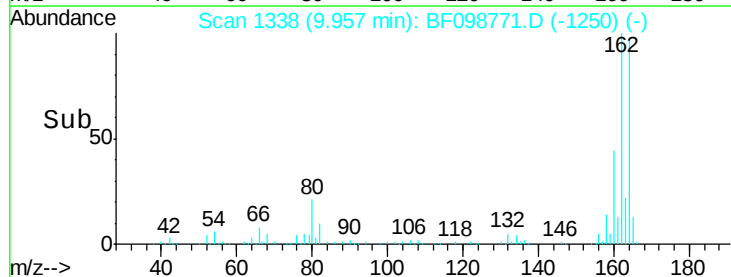
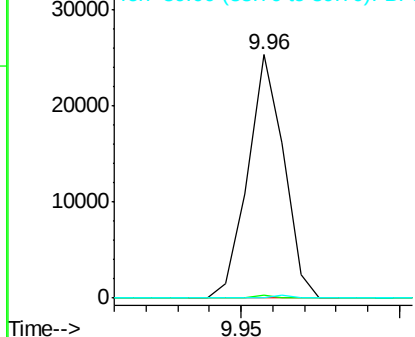
#50
 2,6-Dinitrotoluene
 Concen: 7.85 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.22 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

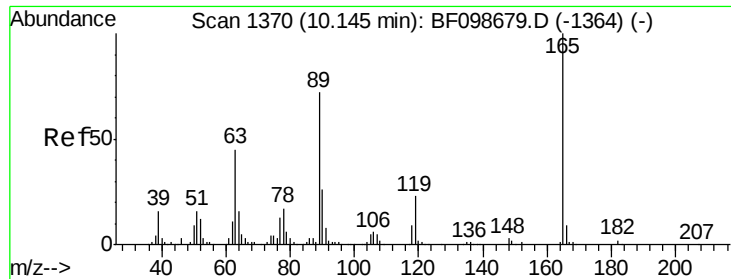
Tgt Ion:165 Resp: 19835

Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

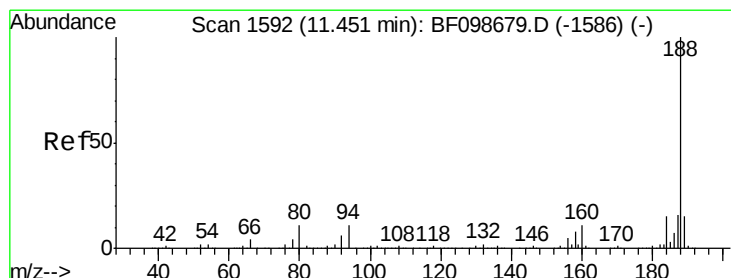
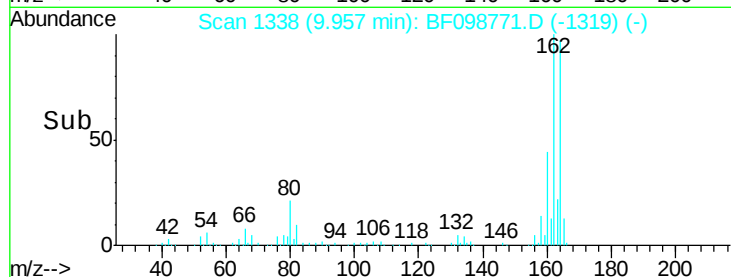
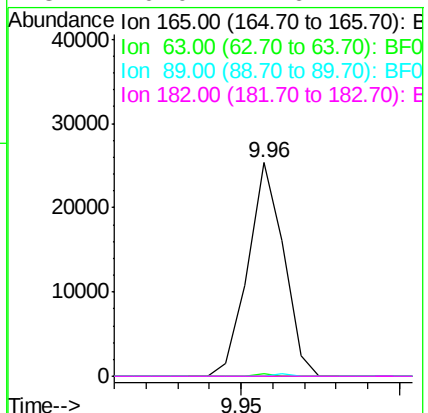
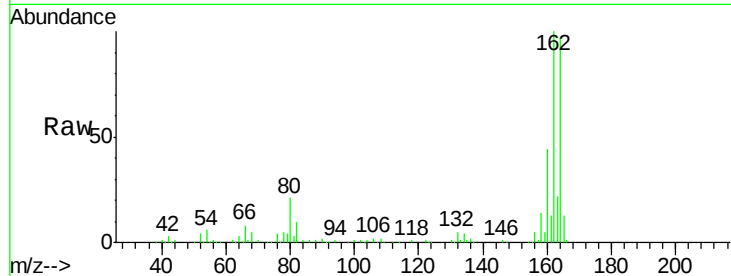




#56
 2,4-Dinitrotoluene
 Concen: 6.05 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.19 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

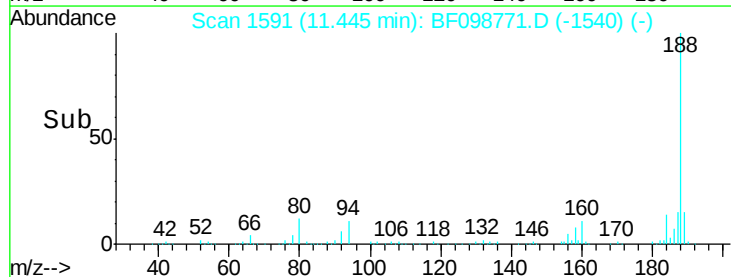
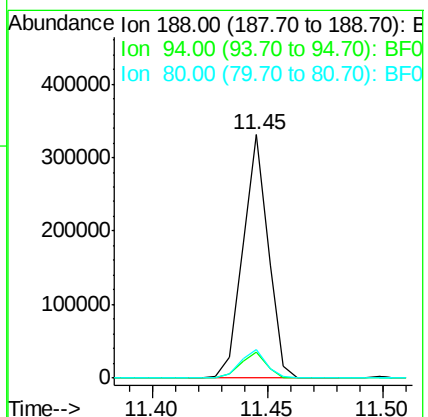
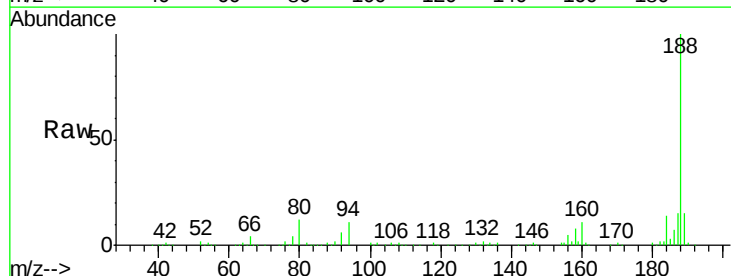
Instrument :
 BNA_F
 ClientSampleId :

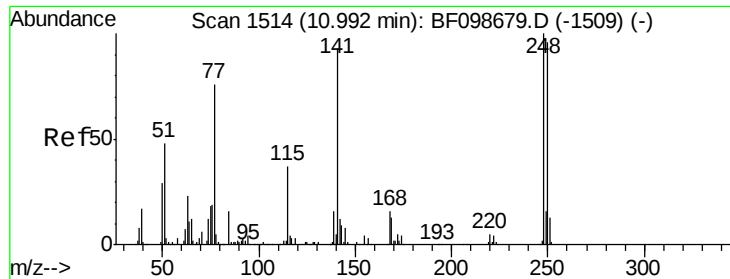
Tot Ion:	165	Resp:	19835
Ion Ratio	Lower	Upper	
165	100		
63	1.2	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF098771.D
 Acq: 24 Sep 2017 7:23

Tgt Ion:	188	Resp:	254140
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	11.8	9.2	13.8

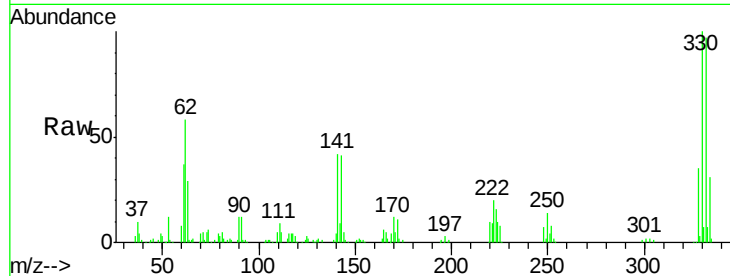




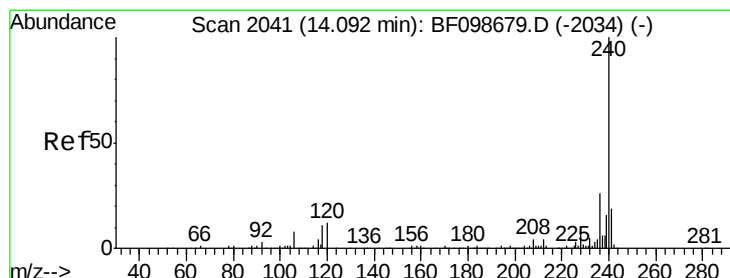
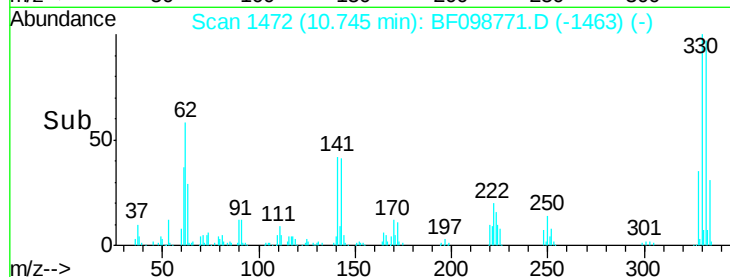
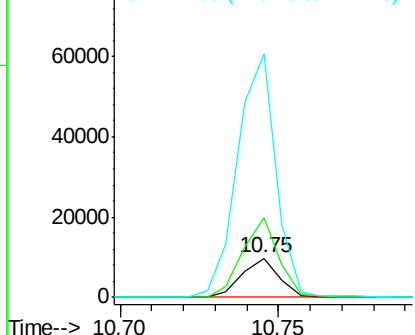
#66
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098771.D
Acq: 24 Sep 2017 7:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7842
Ion Ratio Lower Upper
248 100
250 205.7 76.9 115.3#
141 623.9 74.4 111.6#

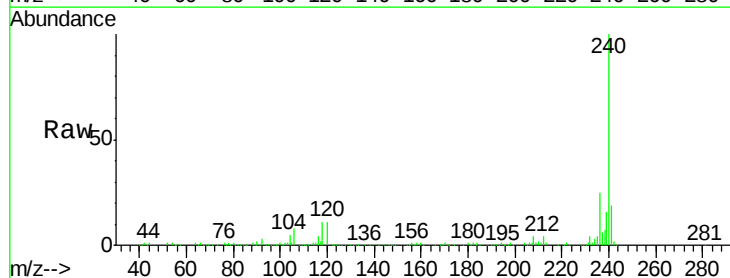


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

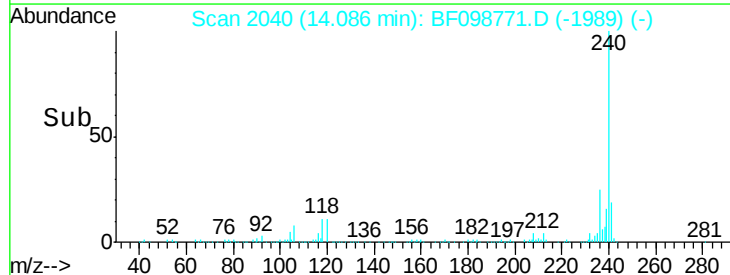
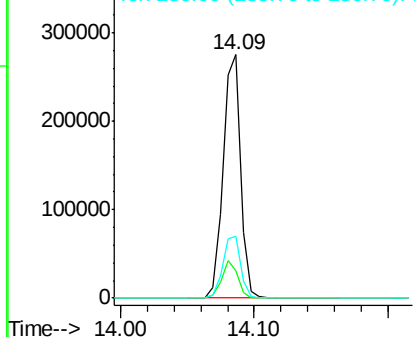


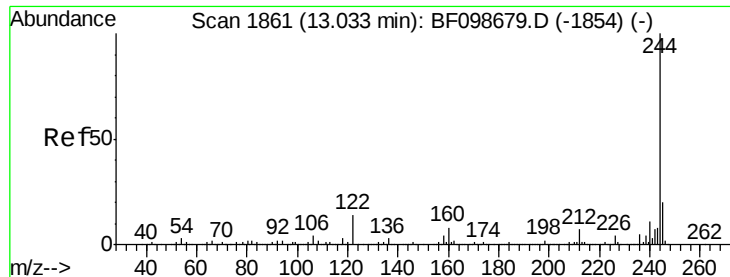
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF098771.D
Acq: 24 Sep 2017 7:23

Tgt Ion:240 Resp: 255638
Ion Ratio Lower Upper
240 100
120 11.3 9.5 14.3
236 25.2 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





#78

Terphenyl-d14

Concen: 74.94 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

Instrument :

BNA_F

ClientSampled :

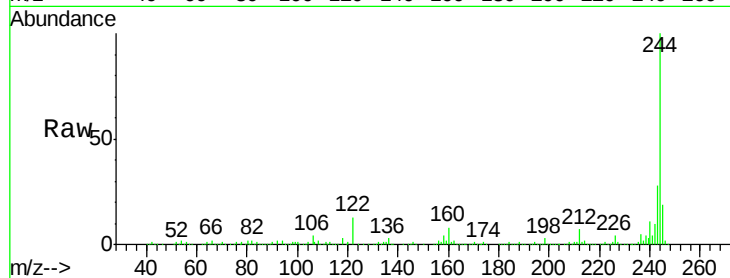
Tot Ion:244 Resp: 842332

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

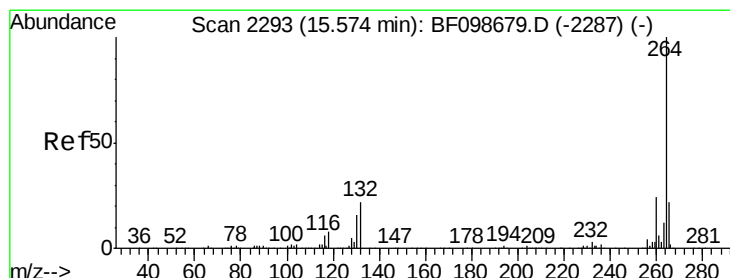
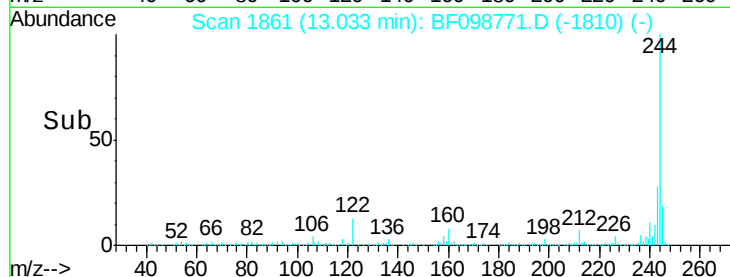
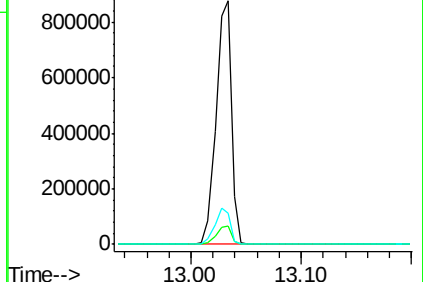
122 12.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BF098771.D

Acq: 24 Sep 2017 7:23

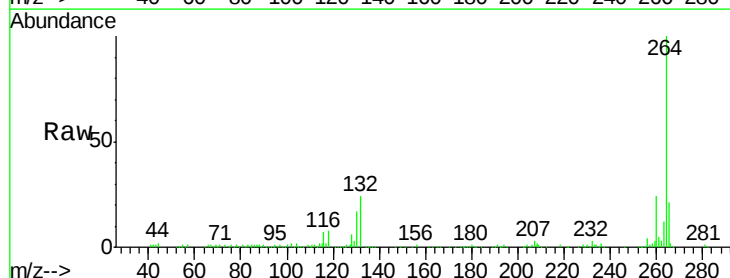
Tgt Ion:264 Resp: 193313

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.8 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

