

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098187.D
 Acq On : 31 Aug 2017 7:03
 Operator : SJ/JU
 Sample : I4988-06RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FF2-COMPRES

Quant Time: Aug 31 09:03:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	133733	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	496248	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	188617	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	293807	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	259685	20.00	ng	-0.02
86) Perylene-d12	15.29	264	177225	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	5642	0.64	ng	0.08
7) Phenol-d6	6.38	99	6551	0.55	ng	0.00
23) Nitrobenzene-d5	7.30	82	701369	76.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	38609	23.59	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	1121058	87.32	ng	-0.02
78) Terphenyl-d14	12.83	244	818858	65.76	ng	-0.02

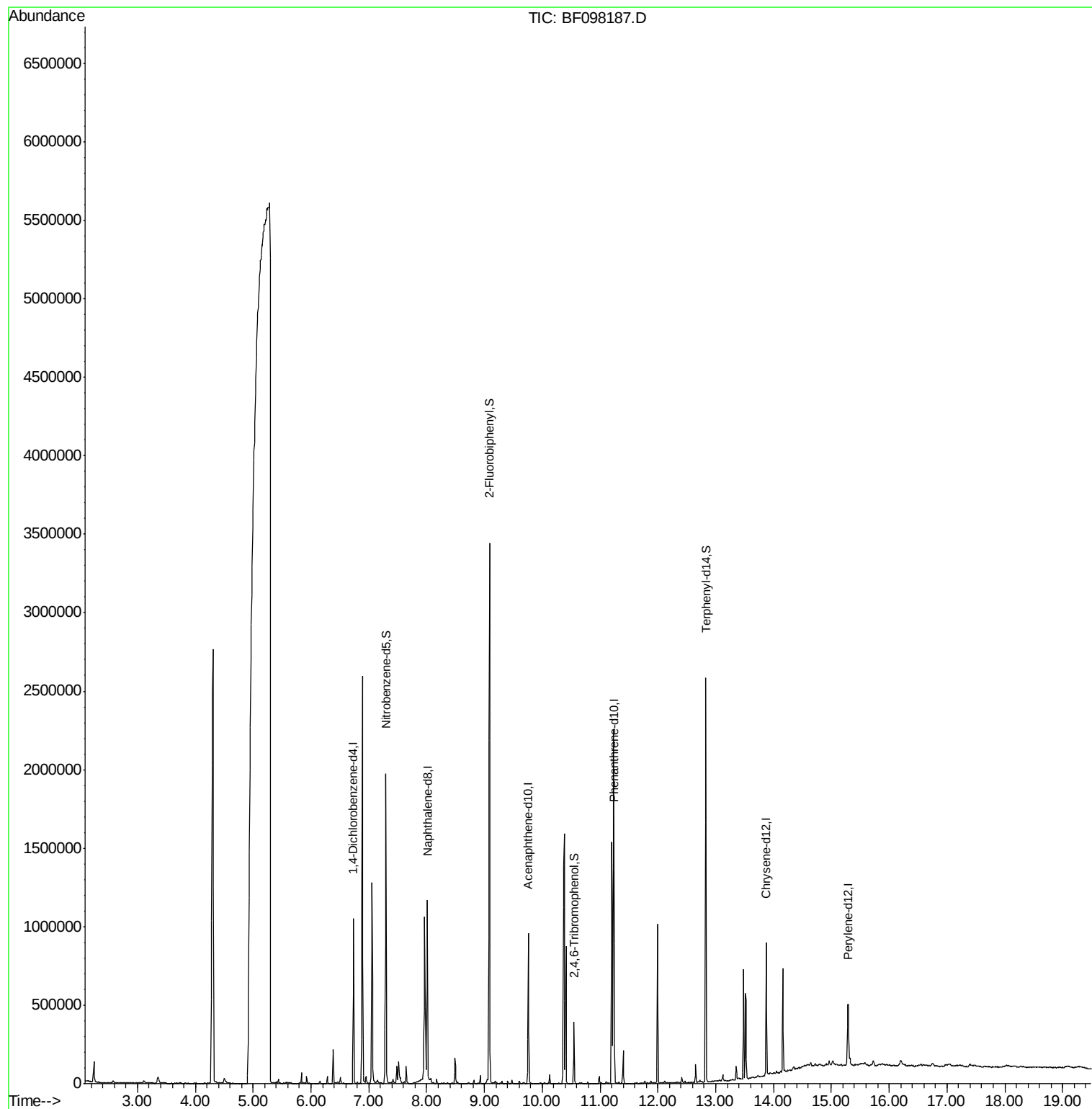
Target Compounds Qvalue

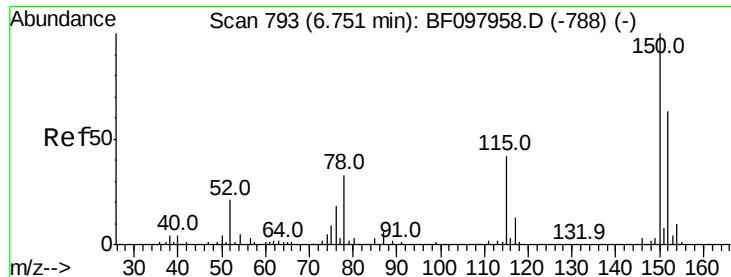
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098187.D
Acq On : 31 Aug 2017 7:03
Operator : SJ/JU
Sample : I4988-06RE
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FF2-COMP

Quant Time: Aug 31 09:03:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

Instrument :

BNA_F

ClientSampleId :

FF2-COMPRE

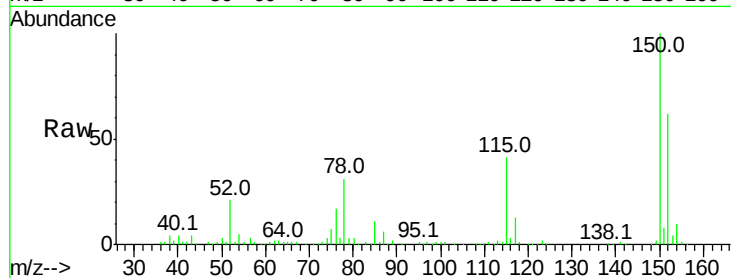
Tot Ion:152 Resp: 133733

Ion Ratio Lower Upper

152 100

150 161.7 126.2 189.2

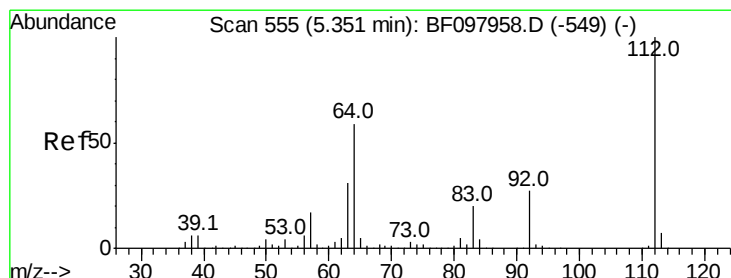
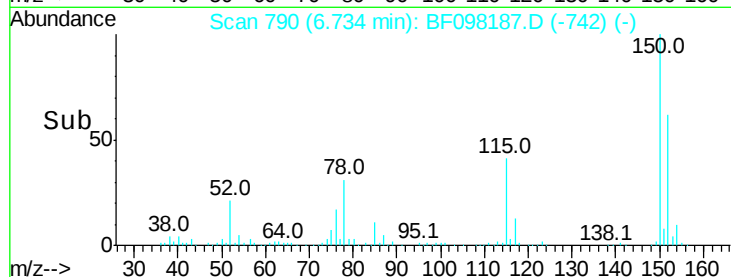
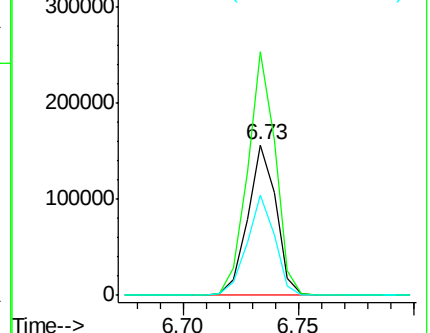
115 66.9 52.2 78.2



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: 0.642 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.08 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

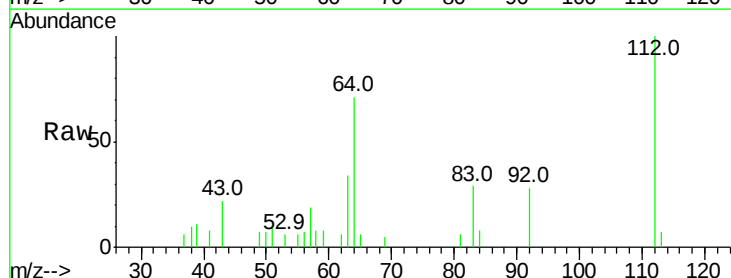
Tgt Ion:112 Resp: 5642

Ion Ratio Lower Upper

112 100

64 71.3 46.0 69.0#

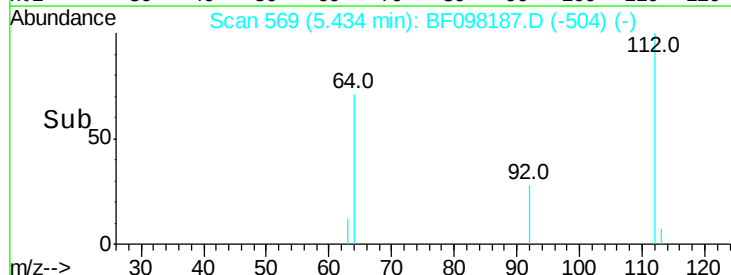
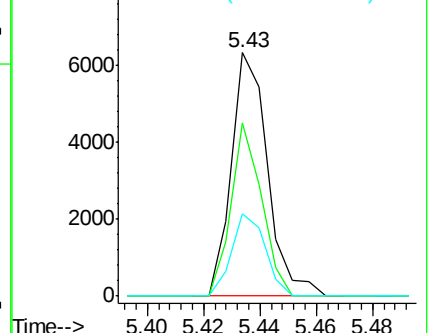
63 33.9 23.4 35.0

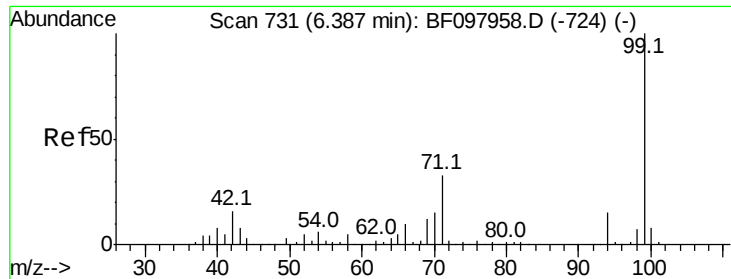


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.548 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

Instrument :

BNA_F

ClientSampleId :

FF2-COMPRE

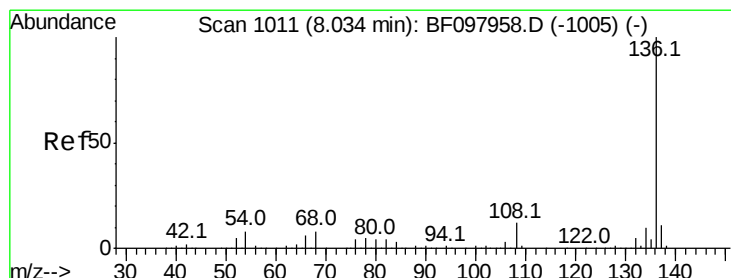
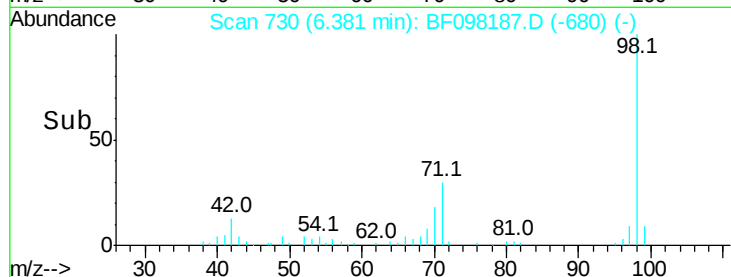
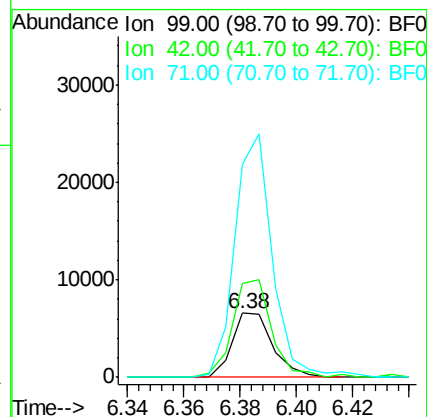
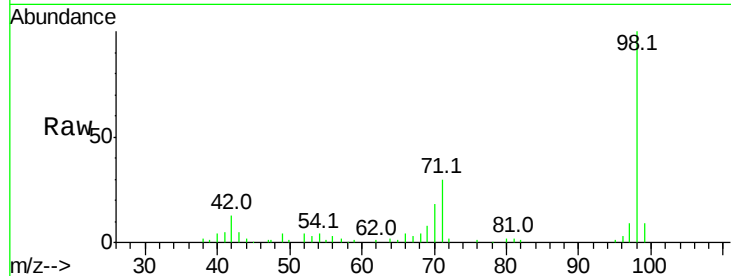
Tot Ion: 99 Resp: 6551

Ion Ratio Lower Upper

99 100

42 146.0 13.5 20.3#

71 333.5 24.5 36.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

Tgt Ion: 136 Resp: 496248

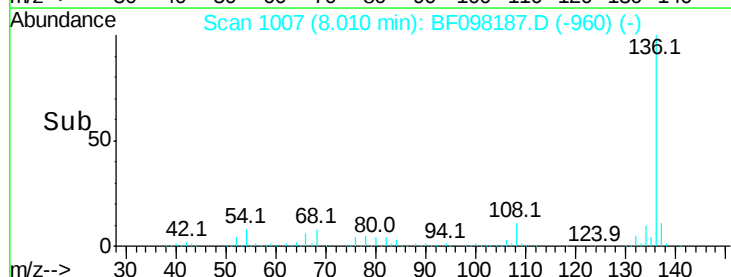
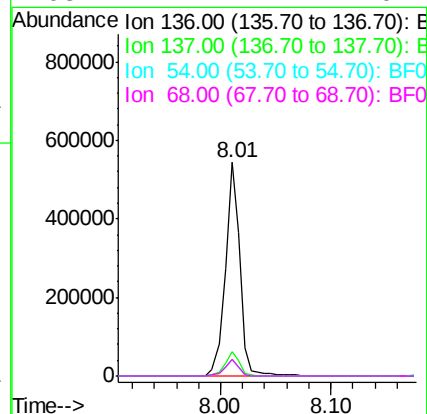
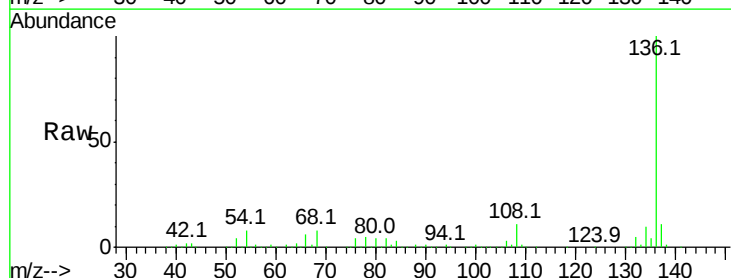
Ion Ratio Lower Upper

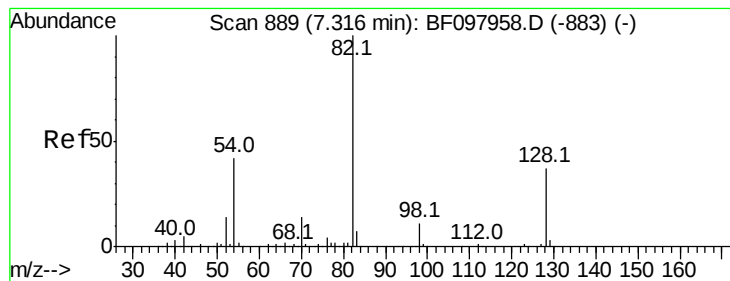
136 100

137 11.4 8.5 12.7

54 8.0 4.9 7.3#

68 7.7 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 76.779 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

Instrument :

BNA_F

ClientSampleId :

FF2-COMPRE

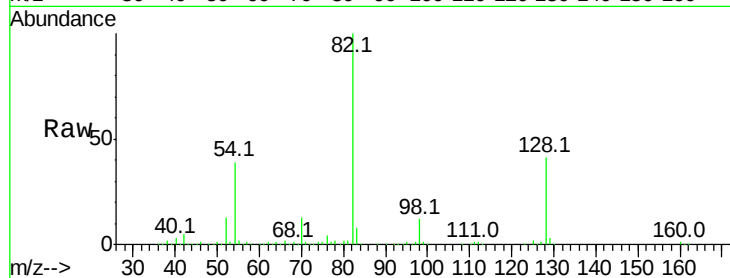
Tot Ion: 82 Resp: 701369

Ion Ratio Lower Upper

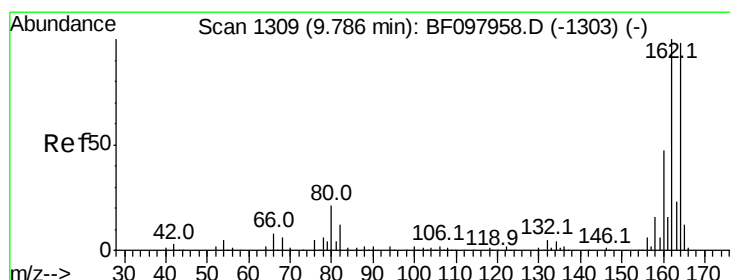
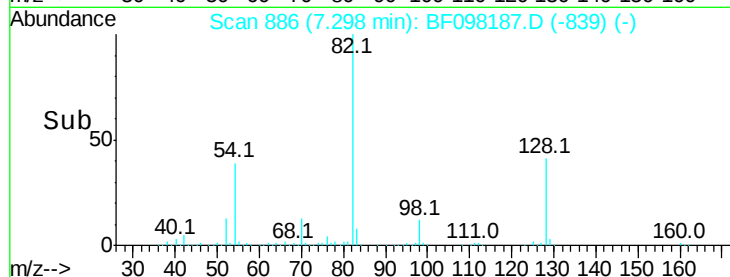
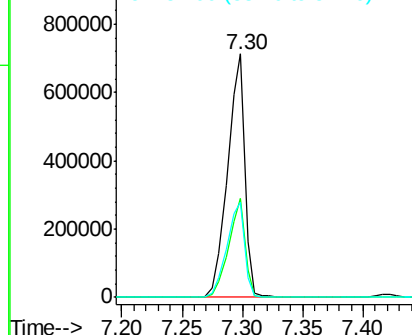
82 100

128 40.6 34.0 51.0

54 39.3 42.2 63.2#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF098187.D

Acq: 31 Aug 2017 7:03

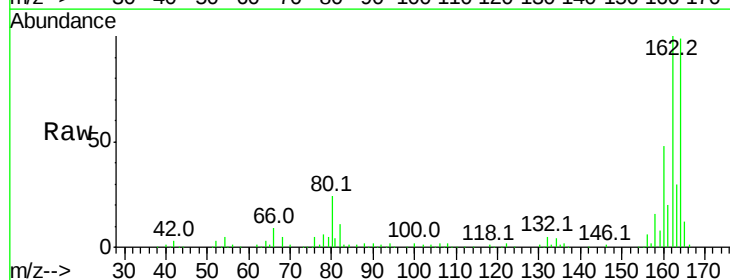
Tgt Ion:164 Resp: 188617

Ion Ratio Lower Upper

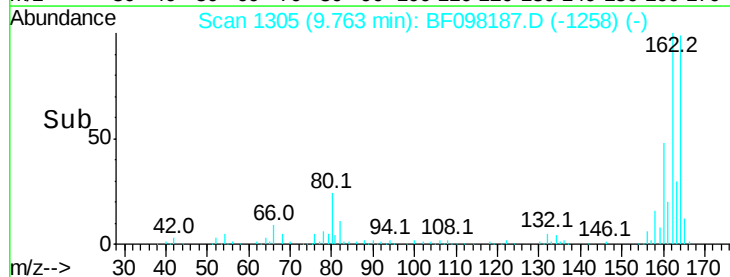
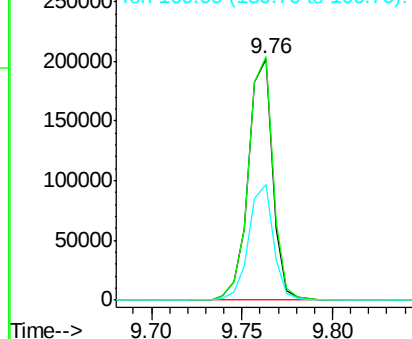
164 100

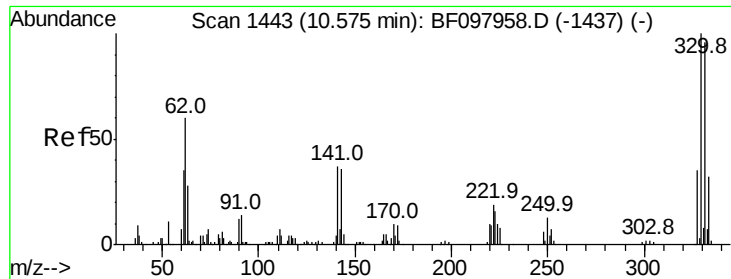
162 100.9 82.6 123.8

160 48.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

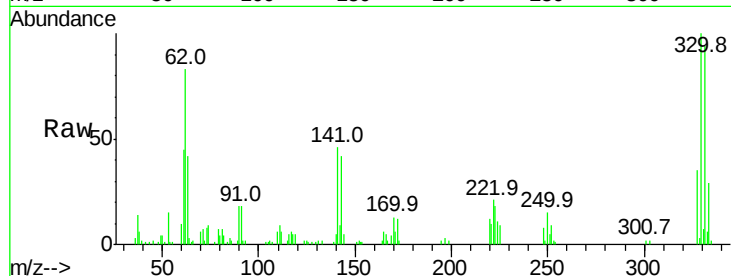




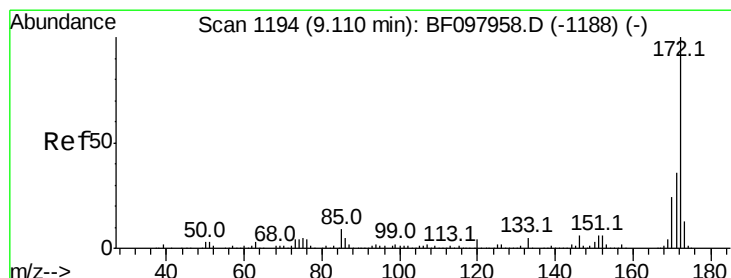
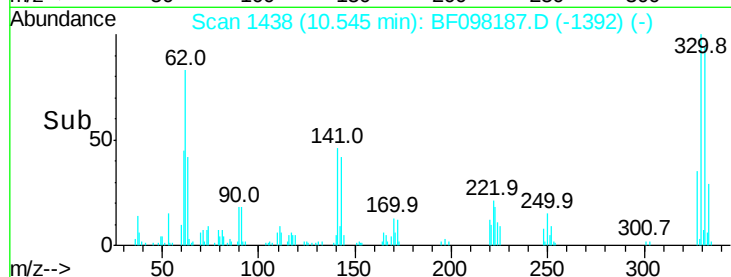
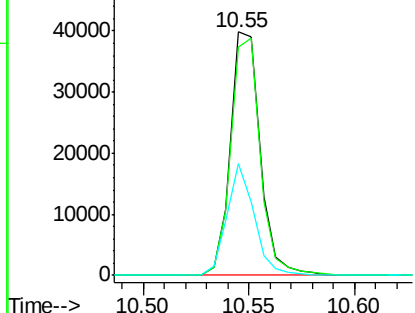
#41
 2,4,6-Tribromophenol
 Concen: 23.592 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098187.D
 Acq: 31 Aug 2017 7:03

Instrument :
 BNA_F
 ClientSampleId :
 FF2-COMPRE

Tot Ion:330 Resp: 38609
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 42.0 31.4 47.2

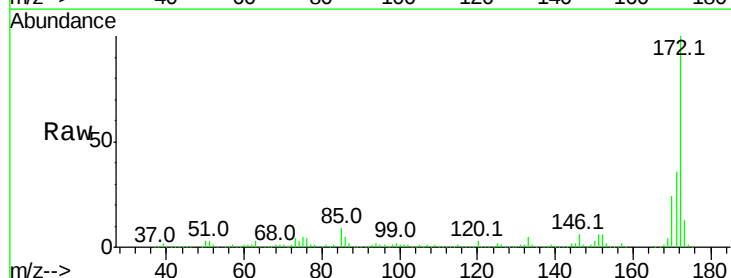


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

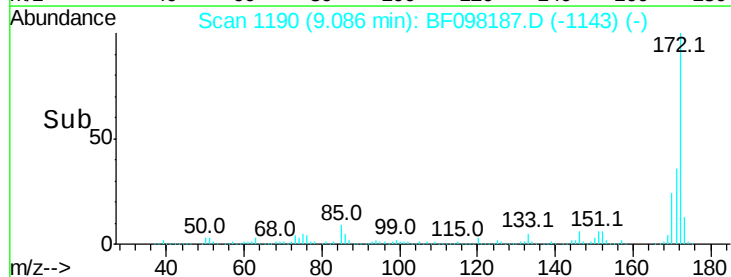
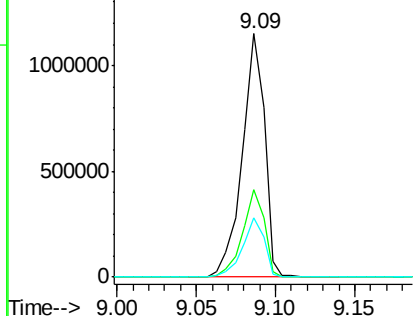


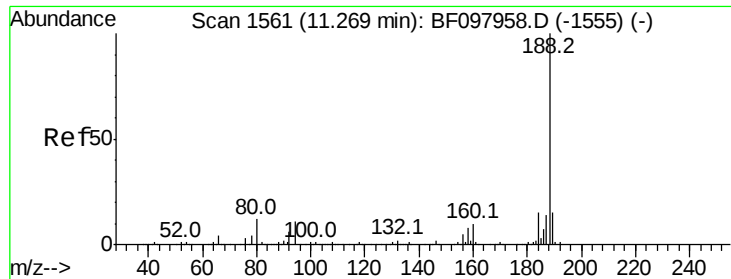
#44
 2-Fluorobiphenyl
 Concen: 87.323 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098187.D
 Acq: 31 Aug 2017 7:03

Tgt Ion:172 Resp: 1121058
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.3 19.8 29.8



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

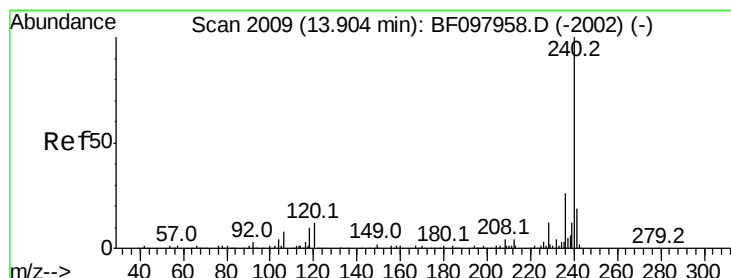
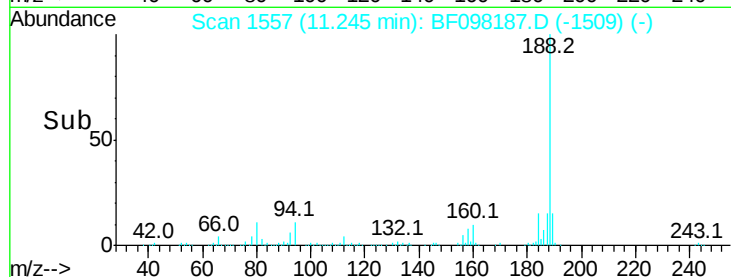
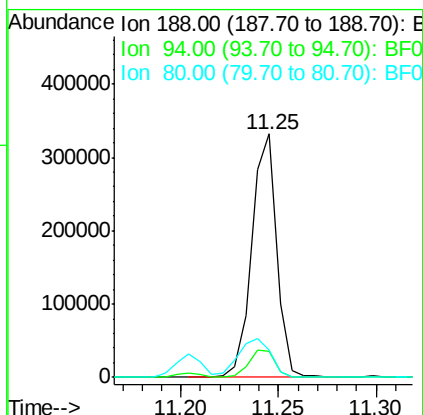
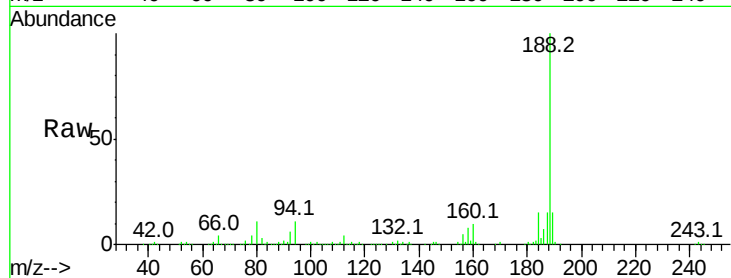




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098187.D
Acq: 31 Aug 2017 7:03

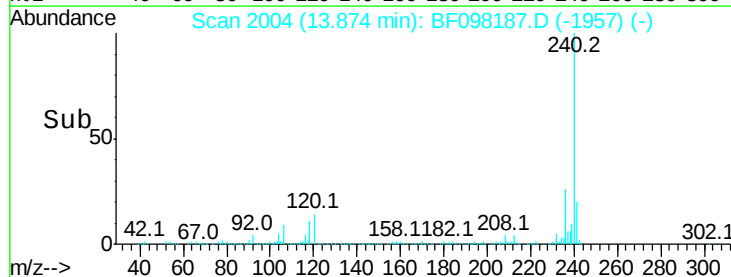
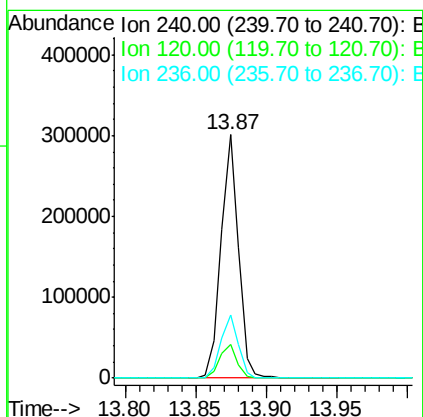
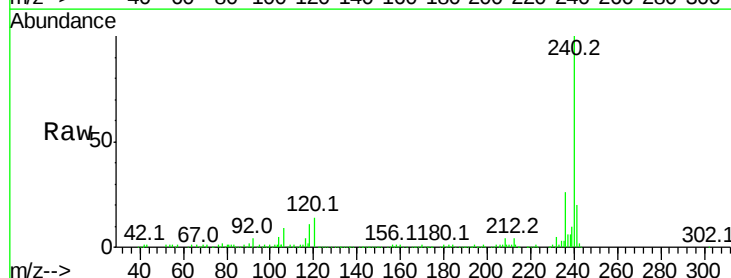
Instrument :
BNA_F
ClientSampleId :
FF2-COMPRE

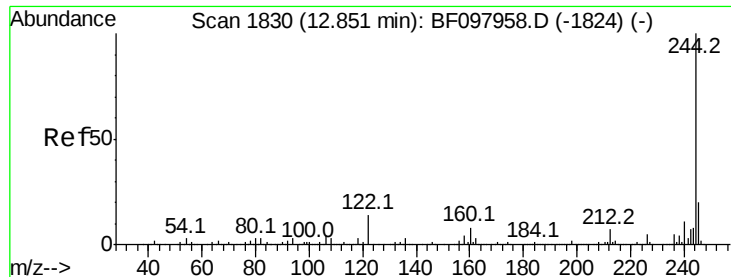
Tot Ion:188 Resp: 293807
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.3 10.2 15.2



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF098187.D
Acq: 31 Aug 2017 7:03

Tgt Ion:240 Resp: 259685
Ion Ratio Lower Upper
240 100
120 13.7 5.8 8.8#
236 26.1 20.5 30.7

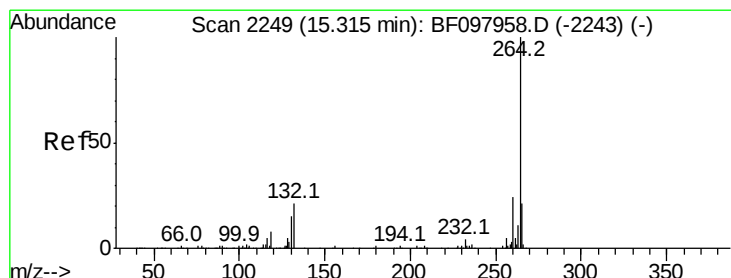
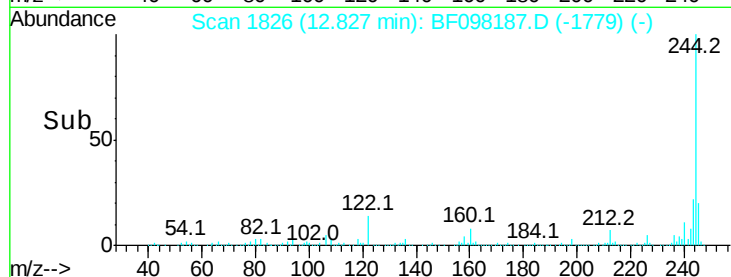
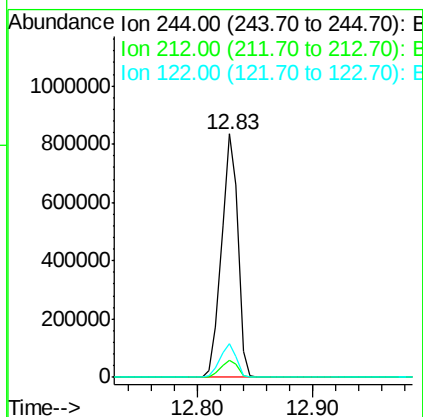
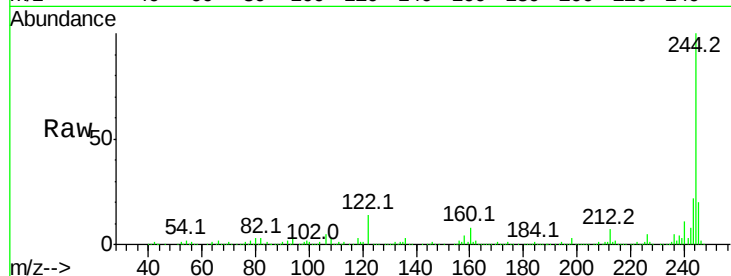




#78
 Terphenyl-d14
 Concen: 65.756 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF098187.D
 Acq: 31 Aug 2017 7:03

Instrument :
 BNA_F
 ClientSampleId :
 FF2-COMPRE

Tot Ion:244 Resp: 818858
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.7 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. -0.02 min
 Lab File: BF098187.D
 Acq: 31 Aug 2017 7:03

Tgt Ion:264 Resp: 177225
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 20.8 17.2 25.8

