

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098125.D
 Acq On : 29 Aug 2017 21:57
 Operator : SJ/JU
 Sample : I4994-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:02:23 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

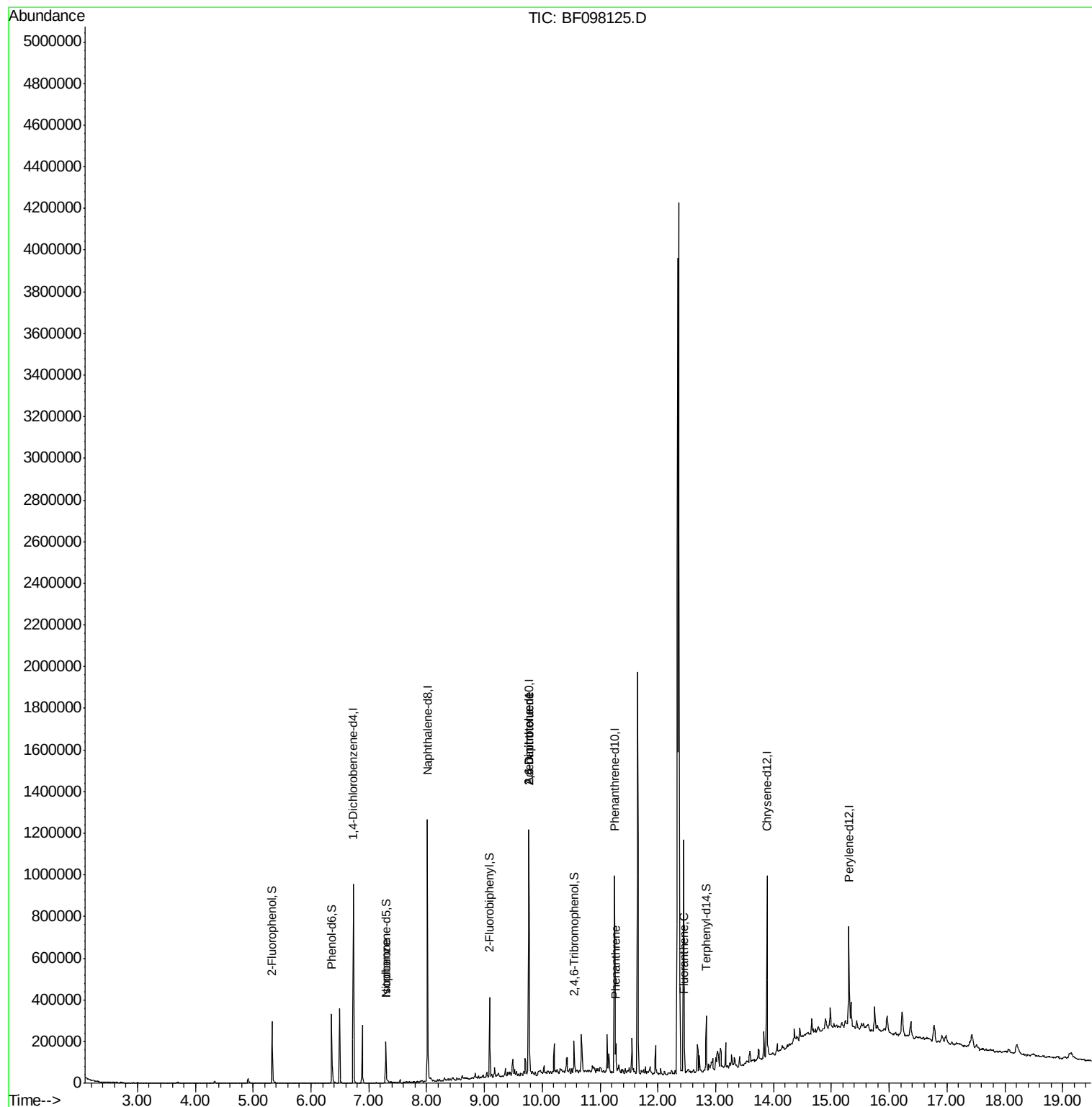
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	134612	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	510244	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	201685	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	310704	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	273813	20.00	ng	-0.01
86) Perylene-d12	15.30	264	215057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	86346	9.76	ng	-0.02
7) Phenol-d6	6.36	99	115600	9.61	ng	-0.03
23) Nitrobenzene-d5	7.29	82	68925	7.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	13851	7.92	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	111115	8.09	ng	-0.02
78) Terphenyl-d14	12.83	244	67683	5.15	ng	-0.02
Target Compounds						
25) Isophorone	7.29	82	66408	3.400	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	27118	9.215	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	27118	7.343	ng	# 33
70) Phenanthrene	11.27	178	41790	2.524	ng	98
74) Fluoranthene	12.46	202	49855	2.885	ng	98

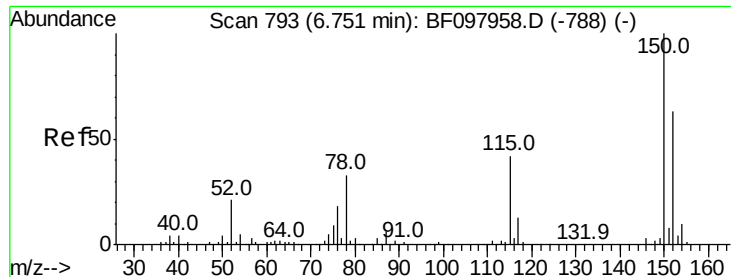
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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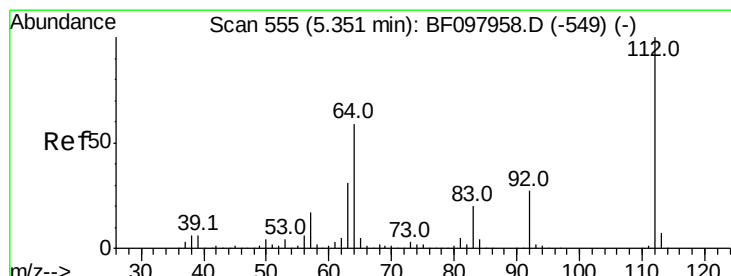
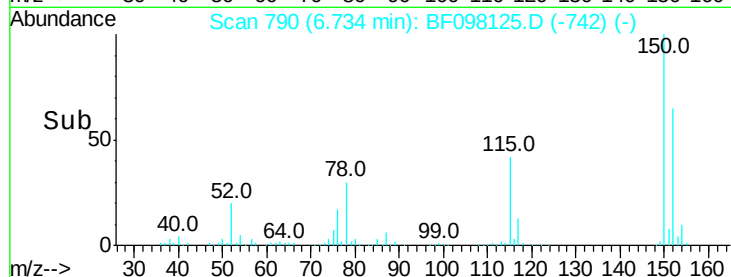
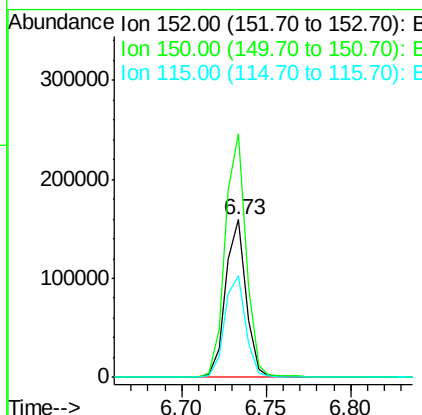
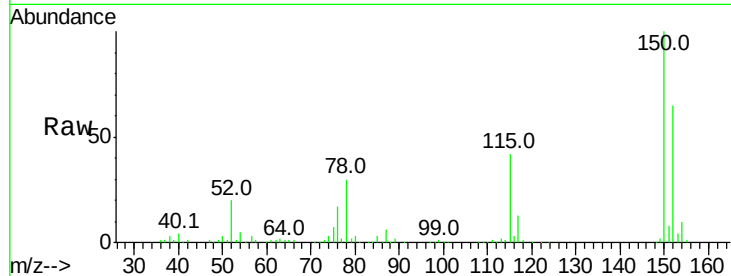


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098125.D
Acq: 29 Aug 2017 21:57

Instrument :
BNA_F
ClientSampleId :

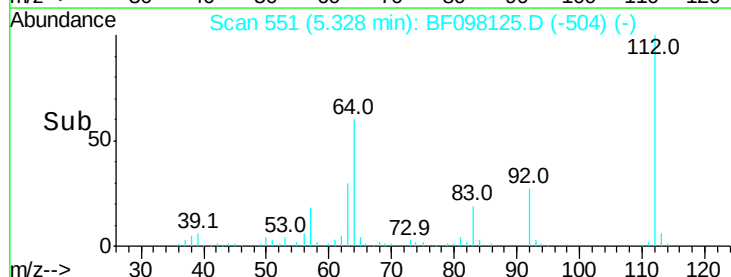
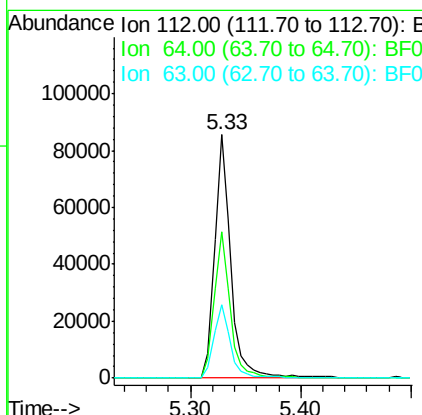
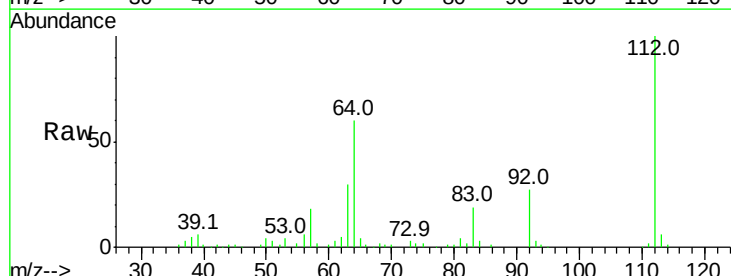
Tot Ion:152 Resp: 134612
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 64.3 52.2 78.2

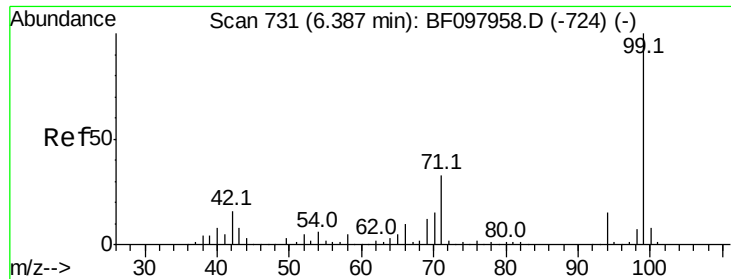


#5

2-Fluorophenol
Concen: 9.757 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098125.D
Acq: 29 Aug 2017 21:57

Tgt Ion:112 Resp: 86346
Ion Ratio Lower Upper
112 100
64 60.3 46.0 69.0
63 30.1 23.4 35.0





#7

Phenol-d6

Concen: 9.614 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

Instrument :

BNA_F

ClientSampleId :

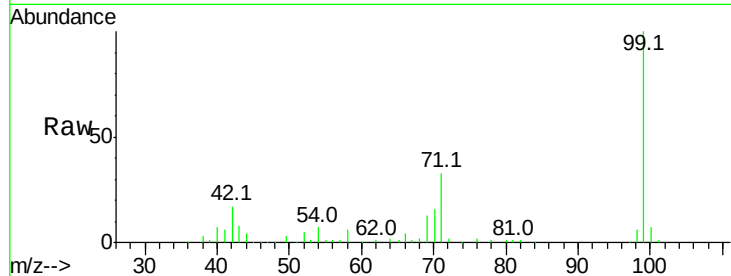
Tot Ion: 99 Resp: 115600

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

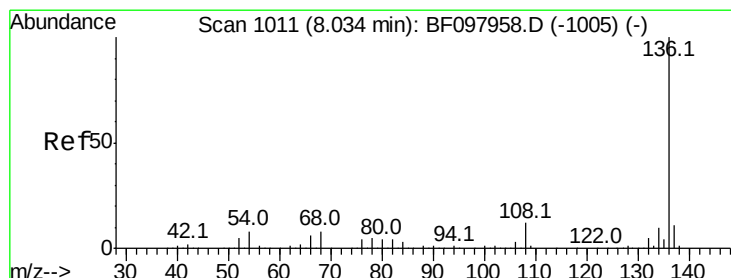
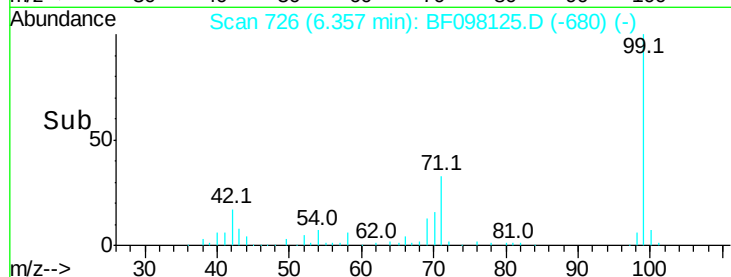
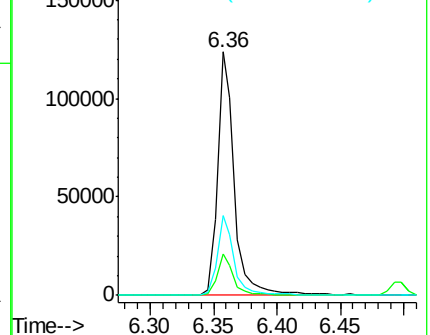
71 33.0 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

Tgt Ion: 136 Resp: 510244

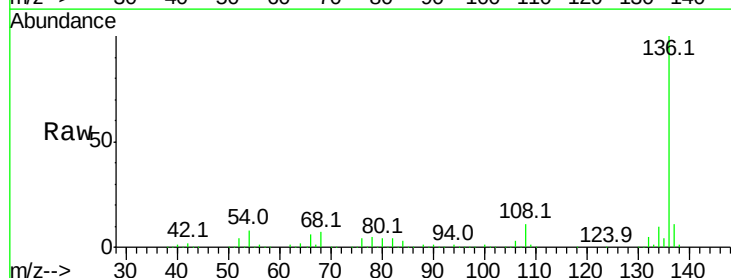
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.1 4.9 7.3#

68 7.4 4.1 6.1#

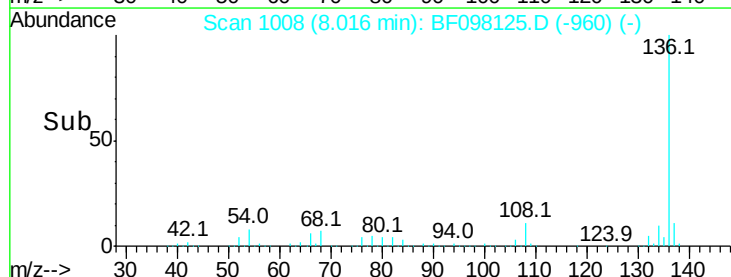
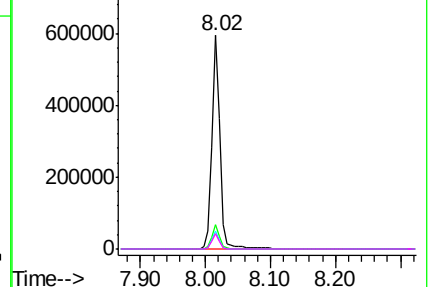


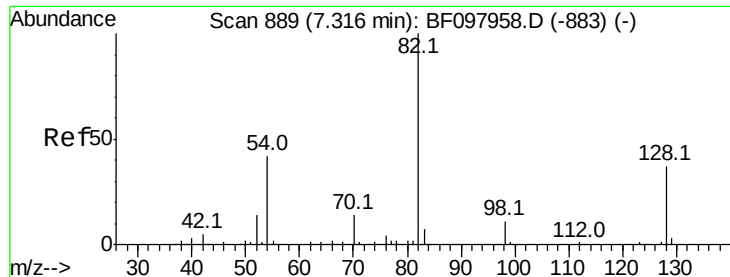
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.338 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

Instrument :

BNA_F

ClientSampled :

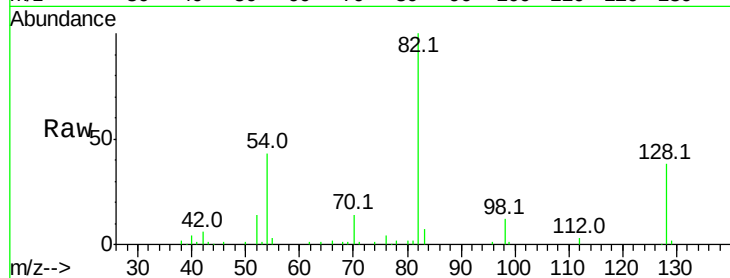
Tot Ion: 82 Resp: 68925

Ion Ratio Lower Upper

82 100

128 37.5 34.0 51.0

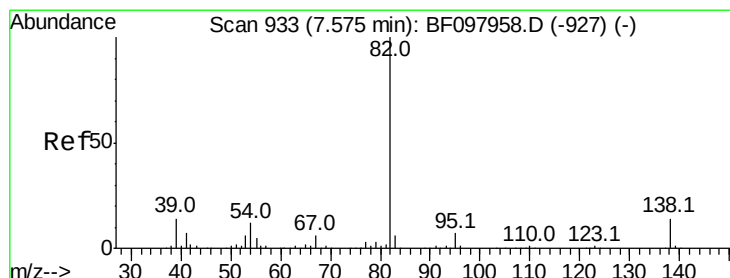
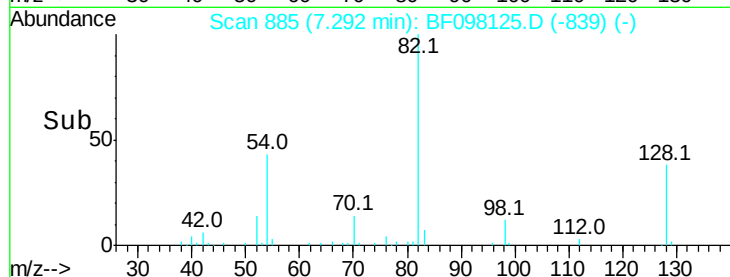
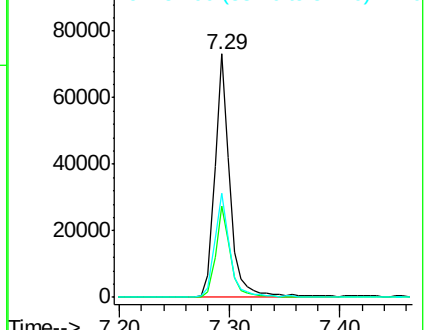
54 42.8 42.2 63.2



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: 3.400 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.29 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

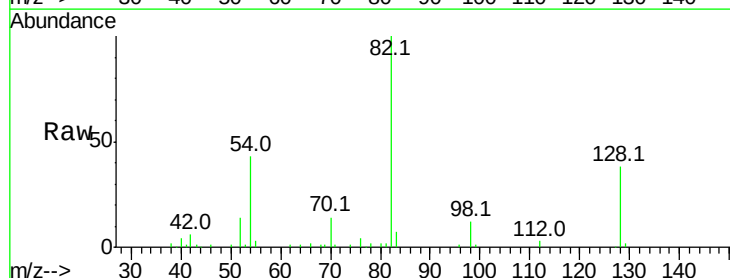
Tgt Ion: 82 Resp: 66408

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

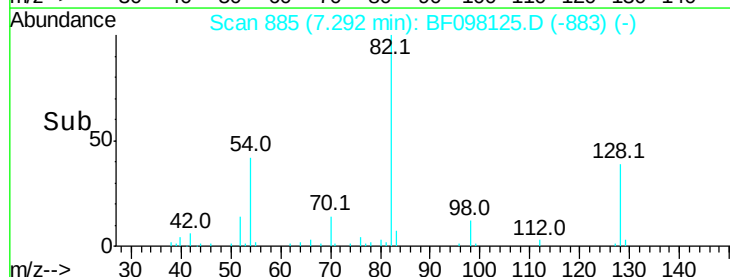
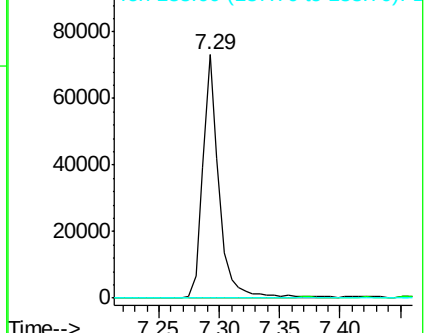
138 0.0 13.1 19.7#

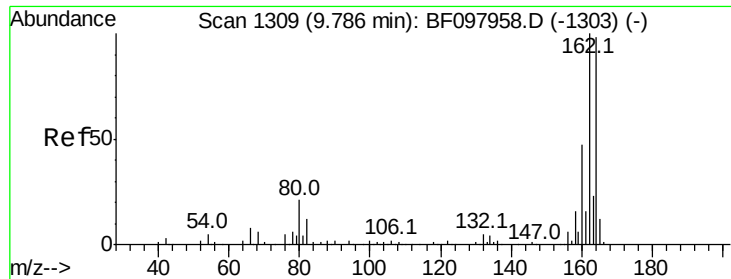


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

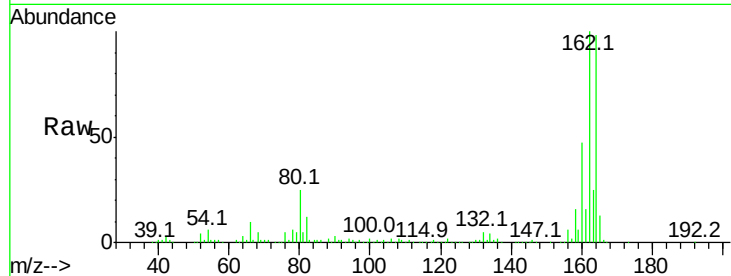




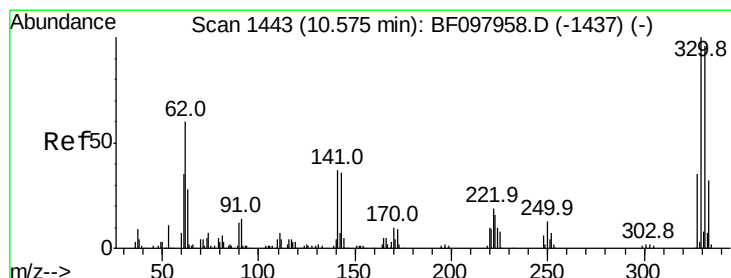
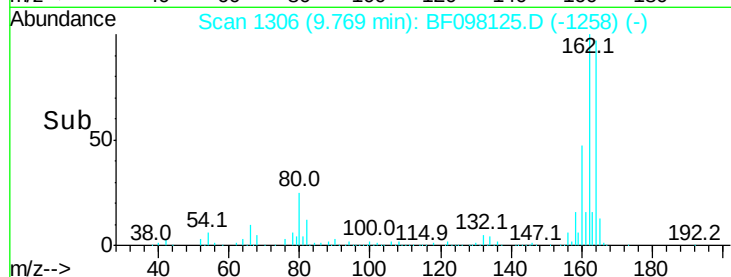
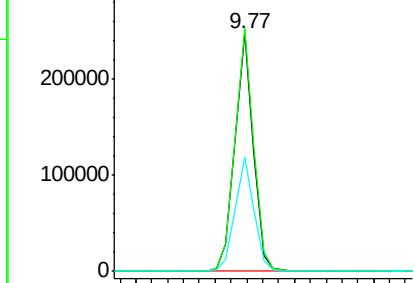
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 201685
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 48.2 36.2 54.2

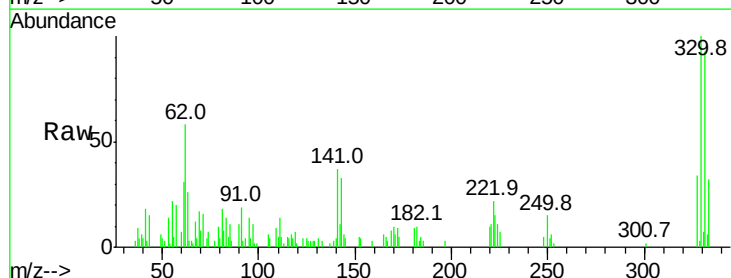


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

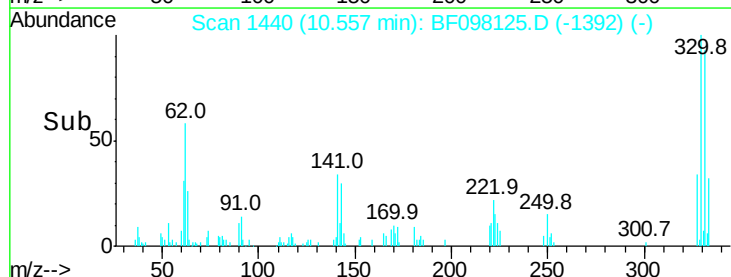
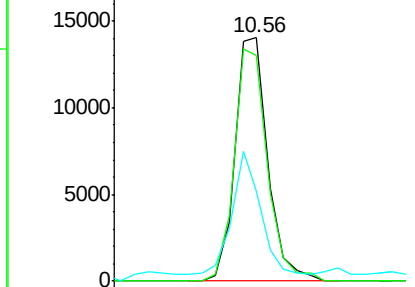


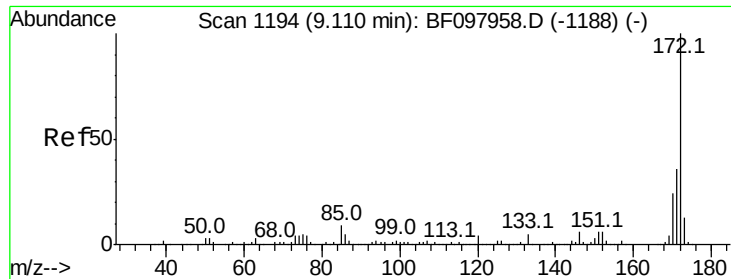
#41
 2,4,6-Tribromophenol
 Concen: 7.915 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Tgt Ion:330 Resp: 13851
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 44.8 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

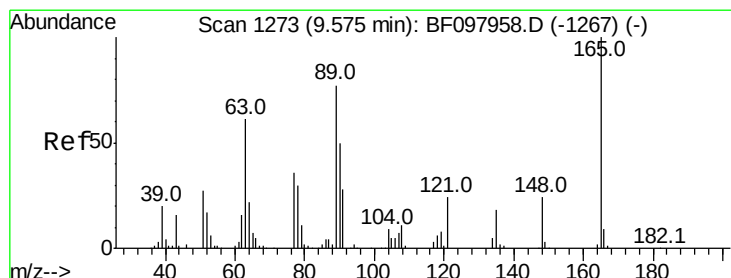
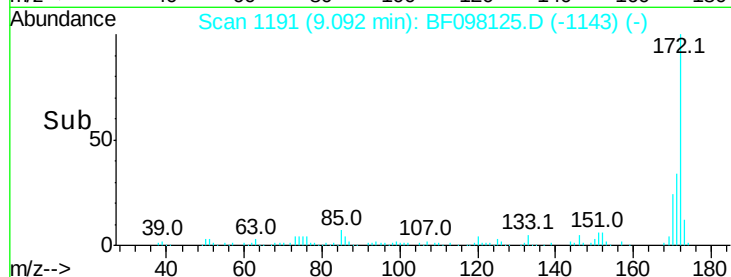
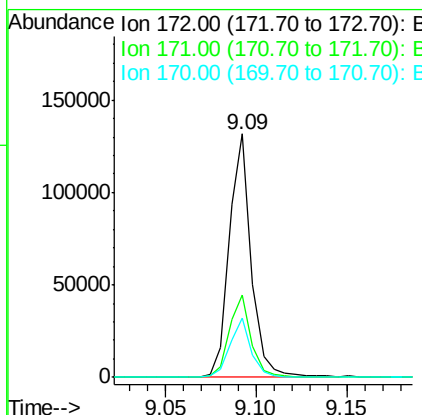
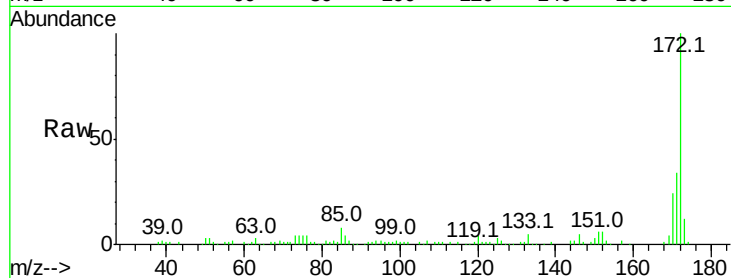




#44
 2-Fluorobiphenyl
 Concen: 8.094 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

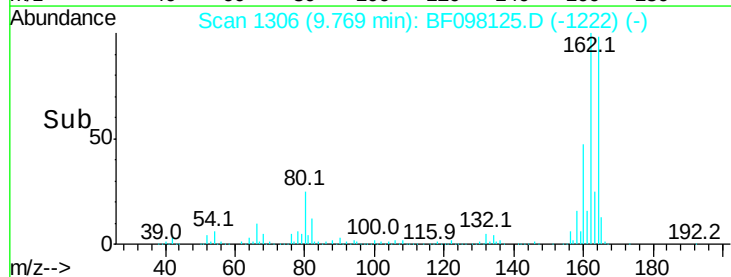
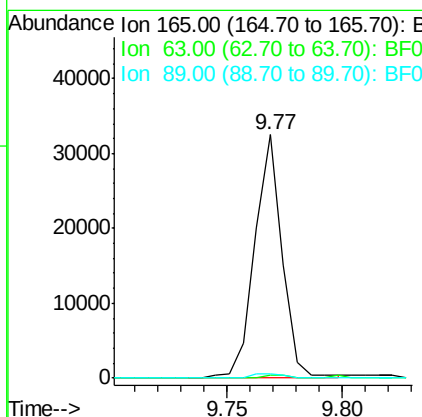
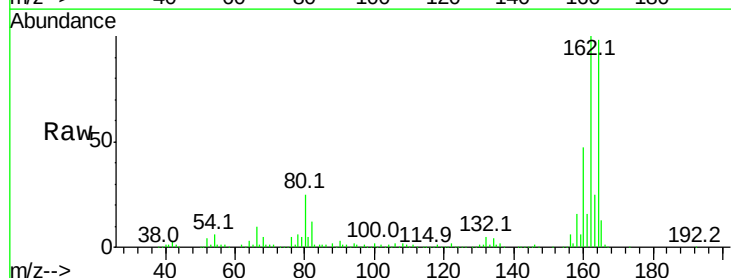
Instrument :
 BNA_F
 ClientSampleId :

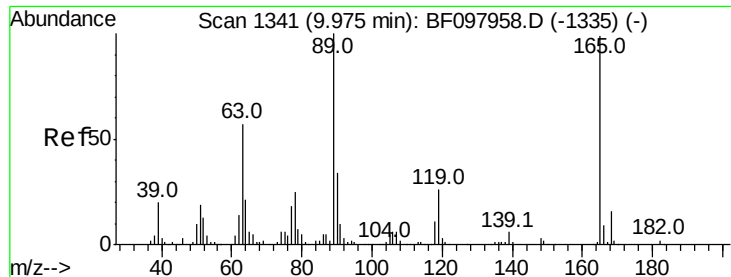
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.6	44.4
170	24.1	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 9.215 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	2.0	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 7.343 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 27118

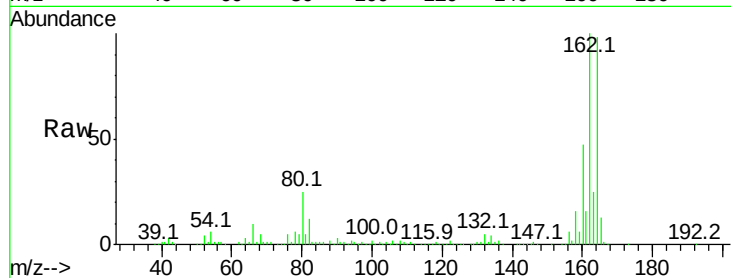
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

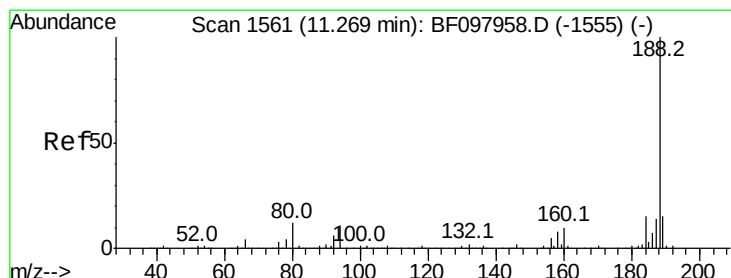
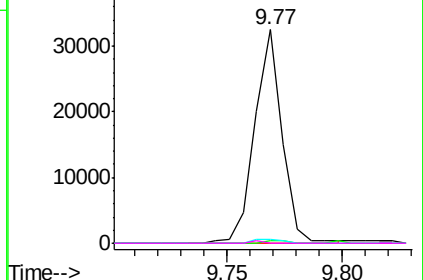
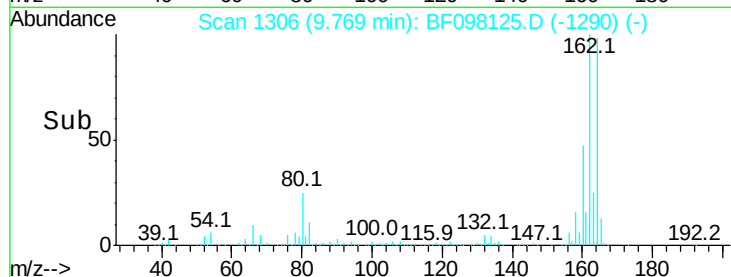


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

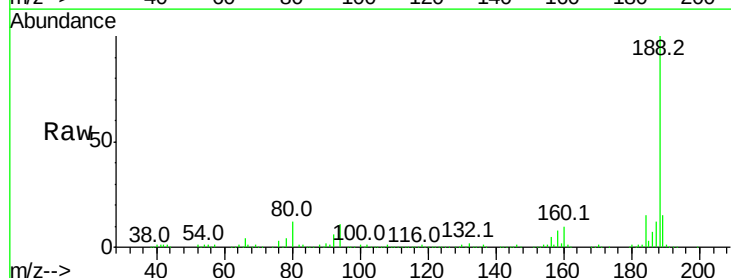
Tgt Ion:188 Resp: 310704

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

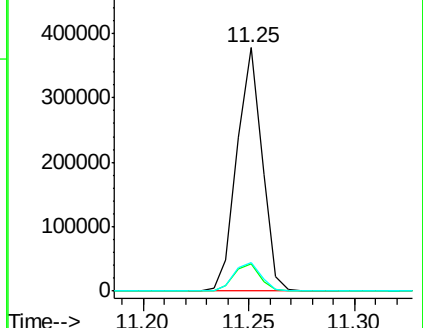
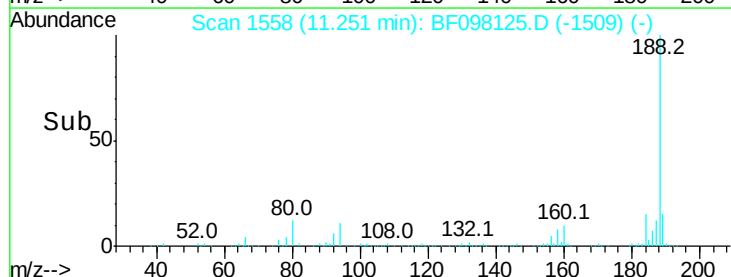
80 11.9 10.2 15.2

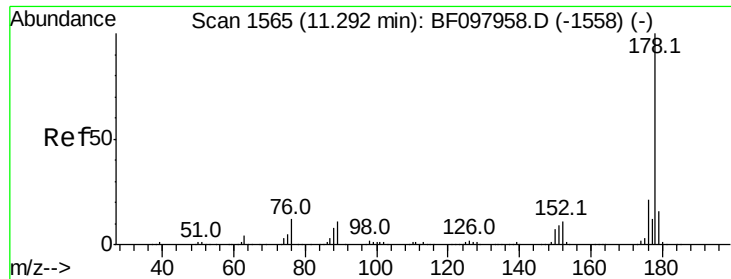


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

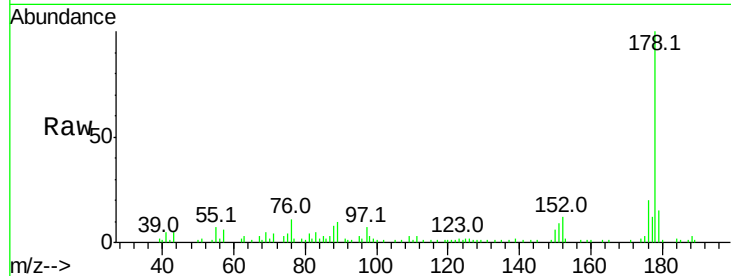




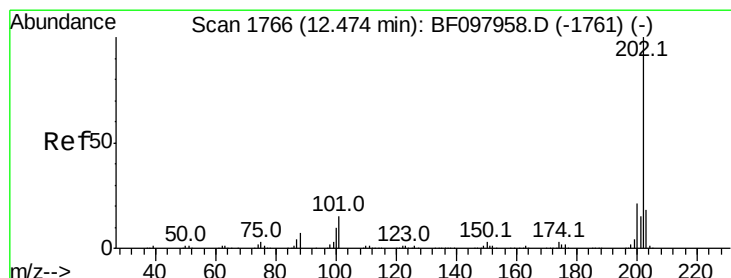
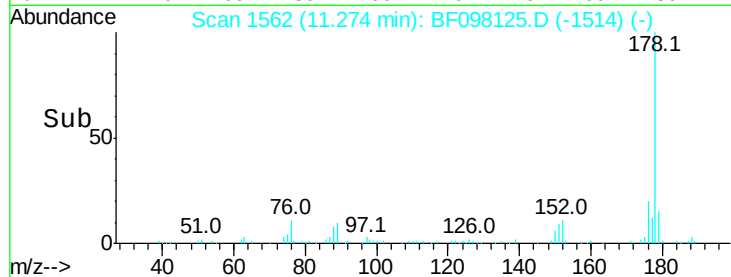
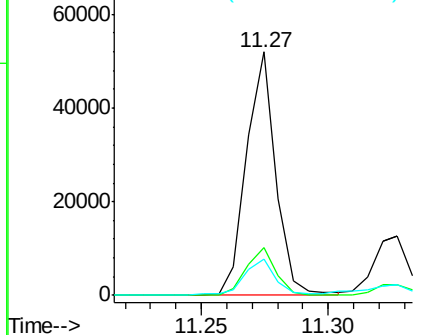
#70
 Phenanthrene
 Concen: 2.524 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 41790
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.1 12.6 19.0

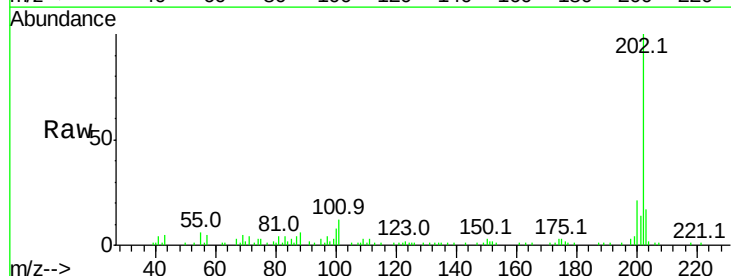


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

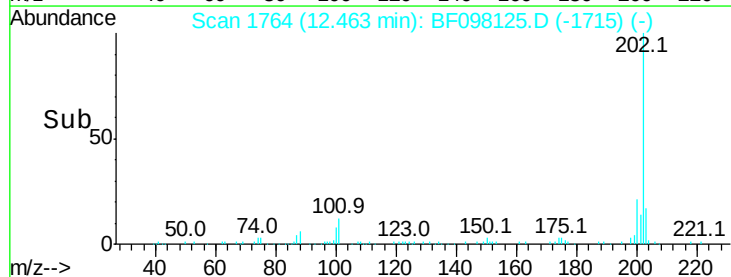
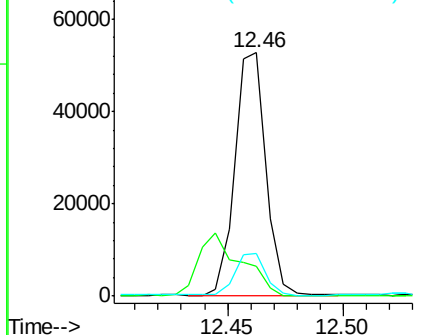


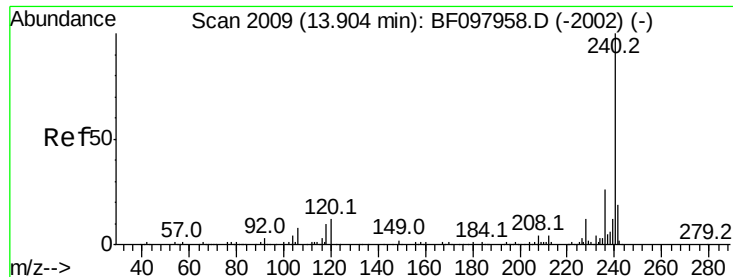
#74
 Fluoranthene
 Concen: 2.885 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Tgt Ion:202 Resp: 49855
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 33.2
 203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

Instrument :

BNA_F

ClientSampleId :

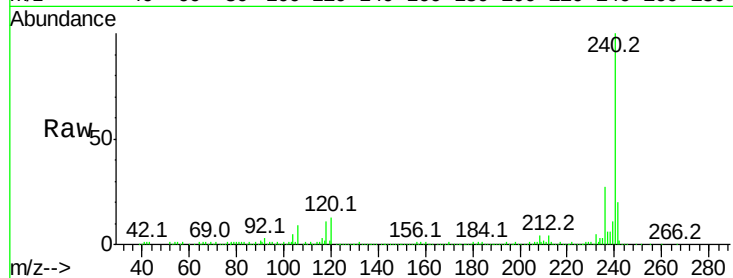
Tot Ion:240 Resp: 273813

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

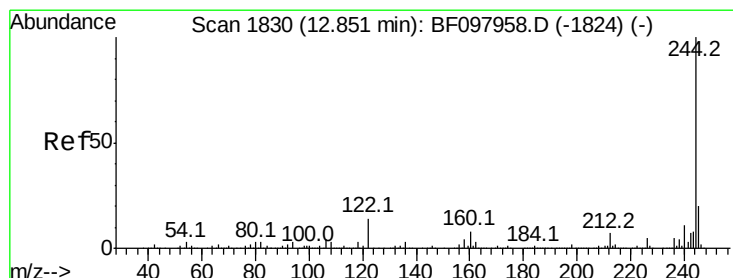
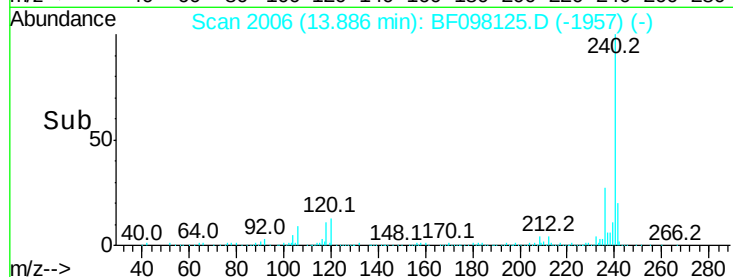
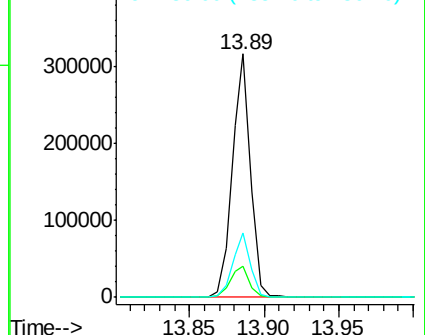
236 26.5 20.5 30.7



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: 5.155 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098125.D

Acq: 29 Aug 2017 21:57

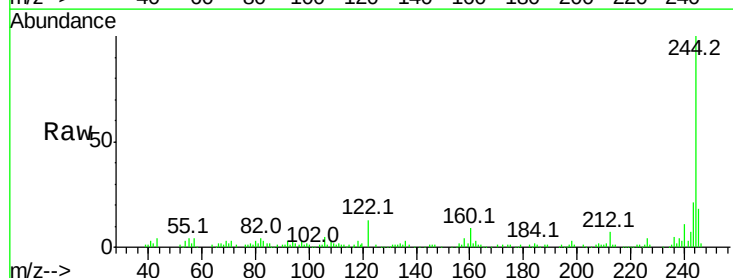
Tgt Ion:244 Resp: 67683

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

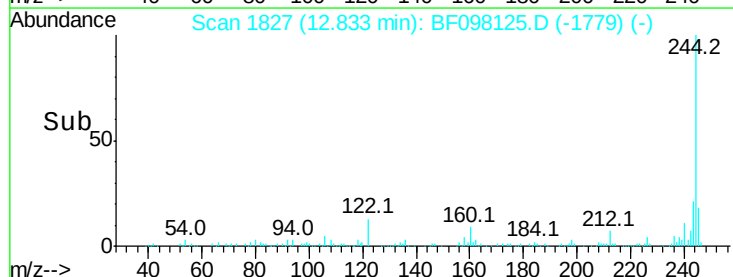
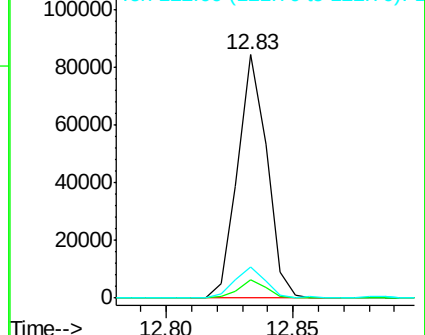
122 12.9 10.3 15.5

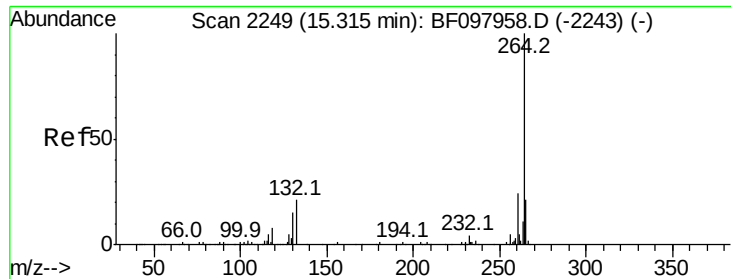


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

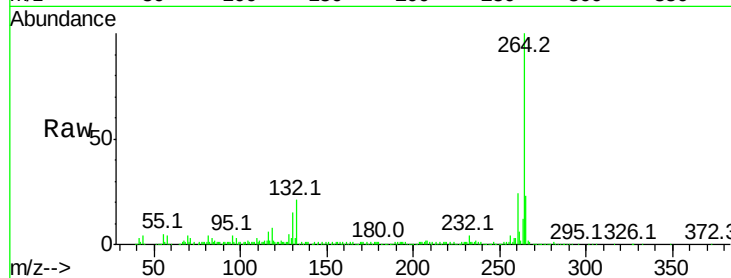




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098125.D
 Acq: 29 Aug 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.5	17.2	25.8



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

