

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098708.D
 Acq On : 22 Sep 2017 20:49
 Operator : SJ/JU
 Sample : I5331-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-A

Quant Time: Sep 23 01:30:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

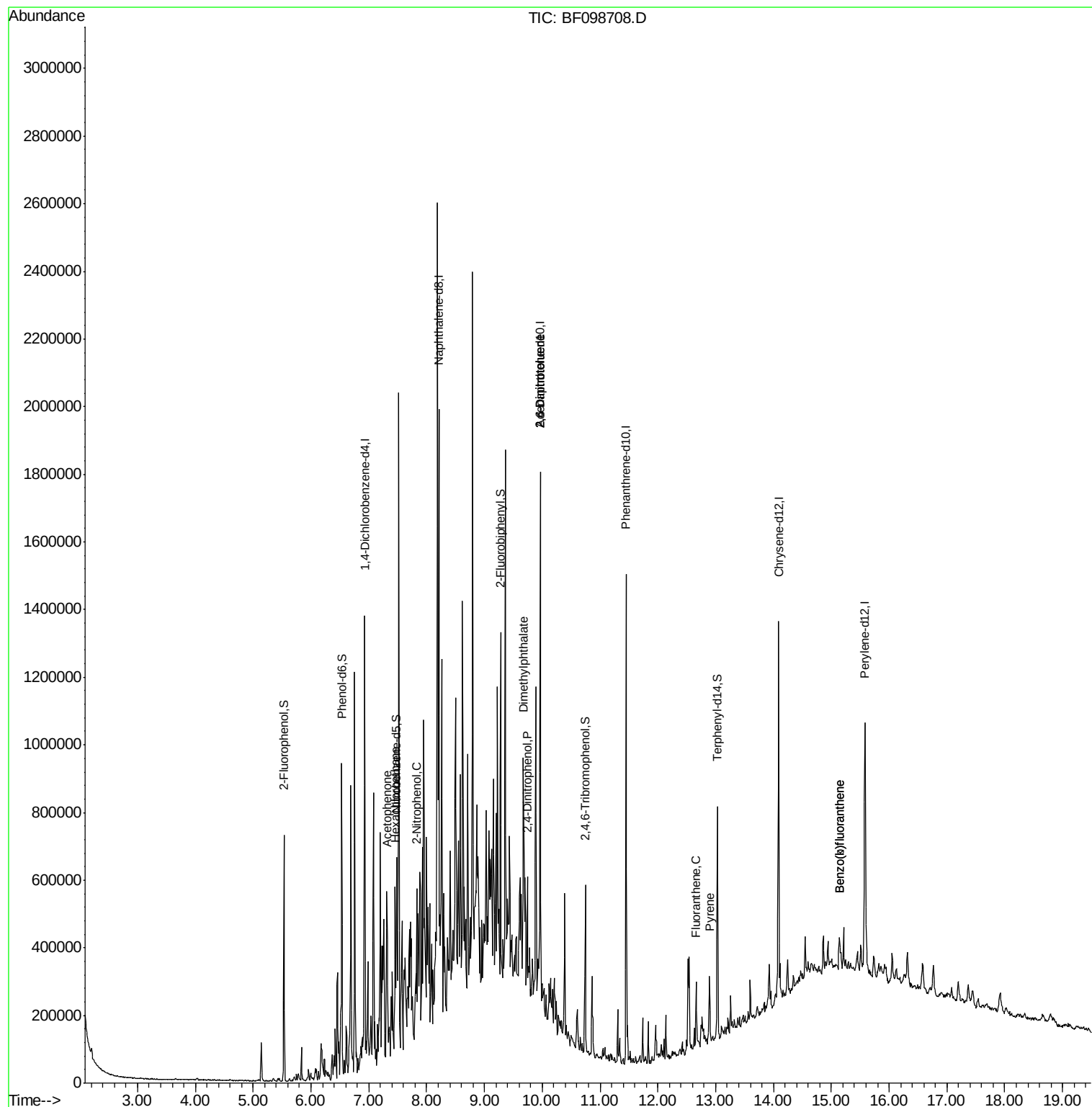
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	159370	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	655782	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	295258	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	459496	20.00	ng	0.00
75) Chrysene-d12	14.09	240	342337	20.00	ng	0.00
86) Perylene-d12	15.58	264	357752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	195344	18.61	ng	0.00
7) Phenol-d6	6.53	99	237669	18.70	ng	-0.01
23) Nitrobenzene-d5	7.48	82	141422	14.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	46629	17.27	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	263901	14.22	ng	0.00
78) Terphenyl-d14	13.03	244	188881	11.85	ng	0.00
Target Compounds						
18) Hexachloroethane	7.46	117	16816	4.01	ng	# 1
22) Acetophenone	7.32	105	75593	4.66	ng	# 55
26) 2-Nitrophenol	7.82	139	1448	6.02	ng	# 1
49) Dimethylphthalate	9.67	163	50293	2.27	ng	# 98
50) 2,6-Dinitrotoluene	9.96	165	41738	9.55	ng	# 26
53) 2,4-Dinitrophenol	9.74	184	166	6.10	ng	# 1
56) 2,4-Dinitrotoluene	9.96	165	41738	7.11	ng	# 24
74) Fluoranthene	12.66	202	64905	2.61	ng	95
77) Pyrene	12.89	202	64569	2.54	ng	99
87) Benzo(b)fluoranthene	15.14	252	61991	2.99	ng	# 84
88) Benzo(k)fluoranthene	15.14	252	61991	2.99	ng	# 87

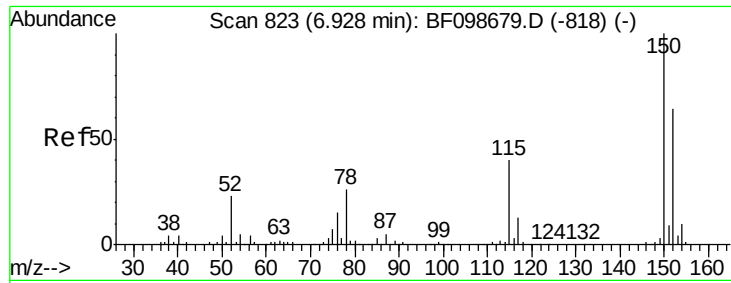
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098708.D
Acq On : 22 Sep 2017 20:49
Operator : SJ/JU
Sample : I5331-01 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-092017-A

Quant Time: Sep 23 01:30:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

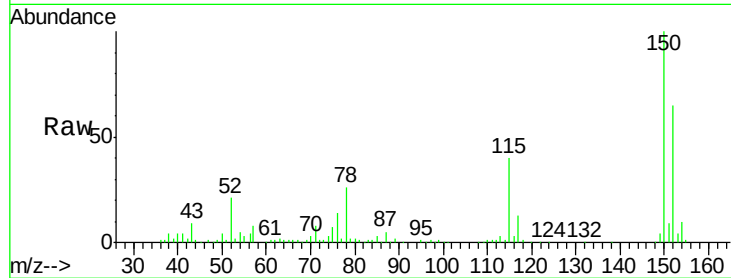
Tot Ion:152 Resp: 159370

Ion Ratio Lower Upper

152 100

150 154.9 124.6 186.8

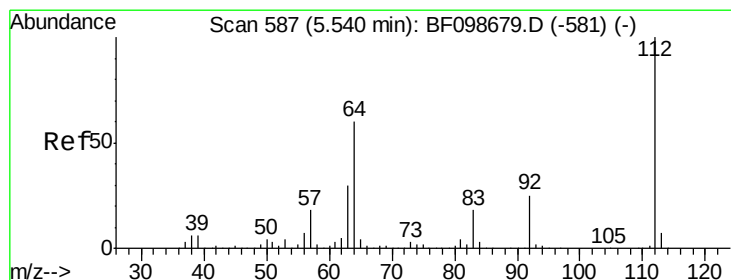
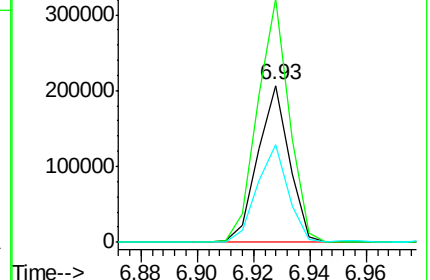
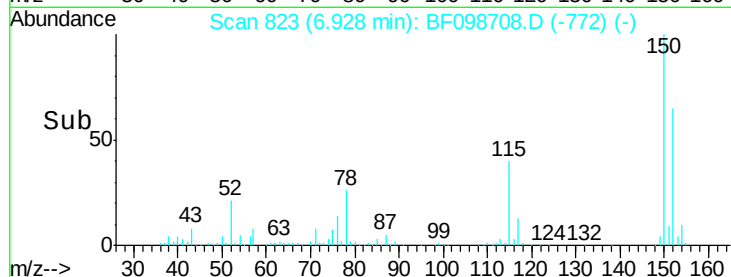
115 62.0 50.1 75.1



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: 18.61 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

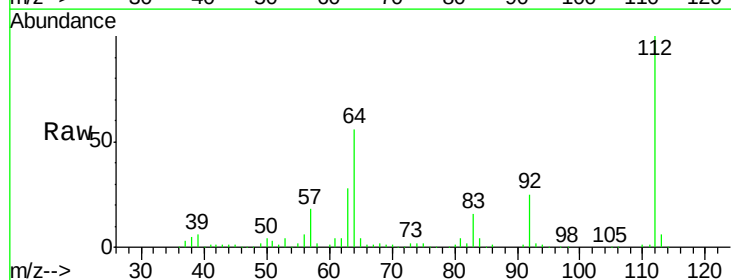
Tgt Ion:112 Resp: 195344

Ion Ratio Lower Upper

112 100

64 55.7 47.9 71.9

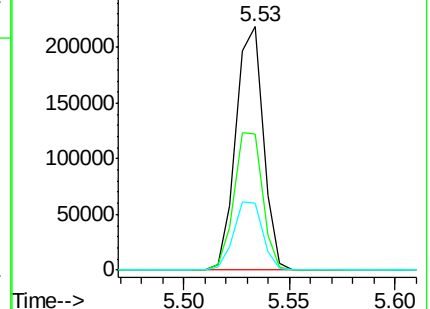
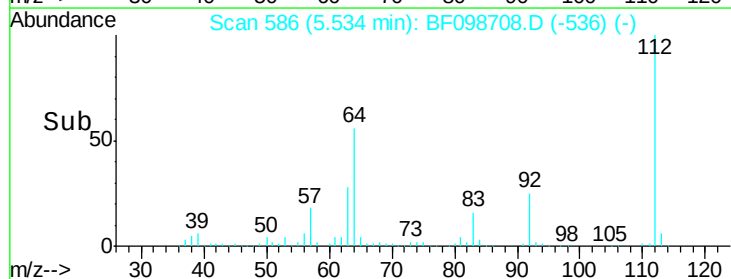
63 27.7 23.7 35.5

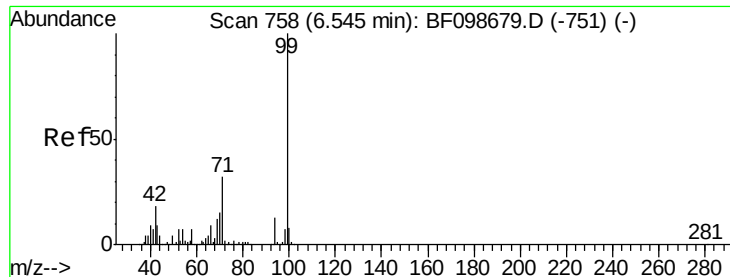


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.70 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

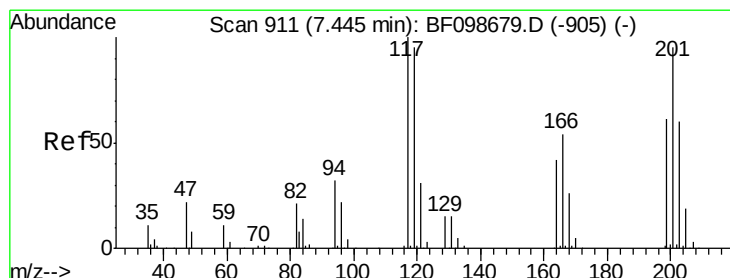
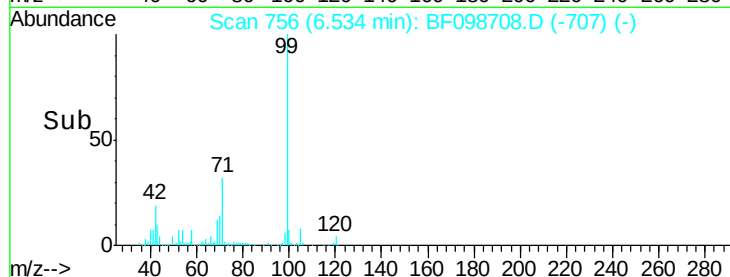
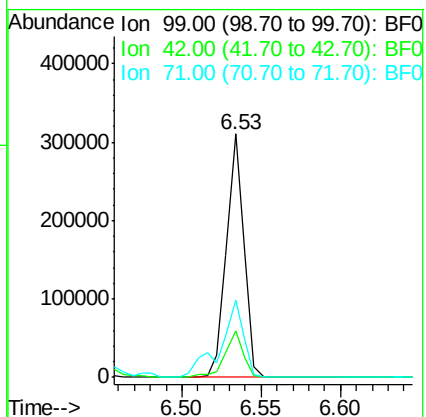
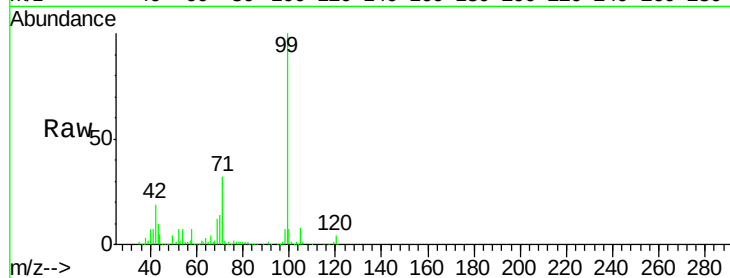
Tot Ion: 99 Resp: 237669

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 31.9 25.4 38.0



#18

Hexachloroethane

Concen: 4.01 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

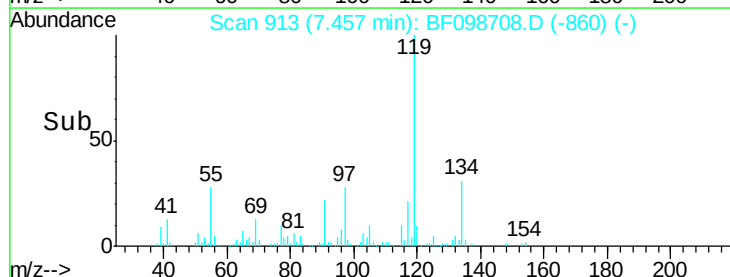
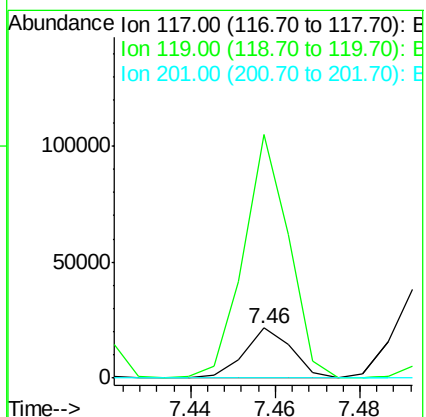
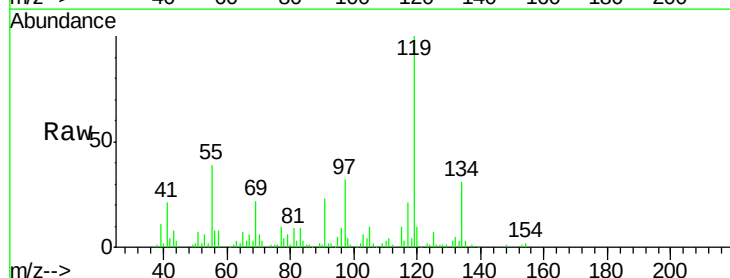
Tgt Ion: 117 Resp: 16816

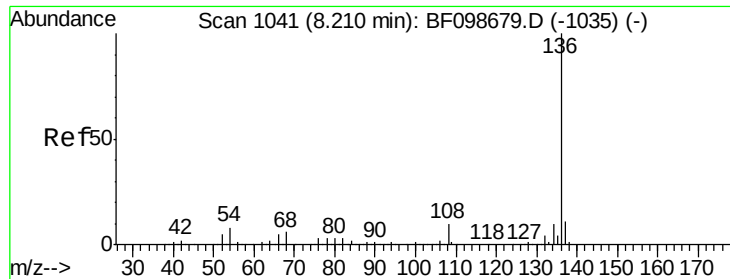
Ion Ratio Lower Upper

117 100

119 485.5 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

Tot Ion:136 Resp: 655782

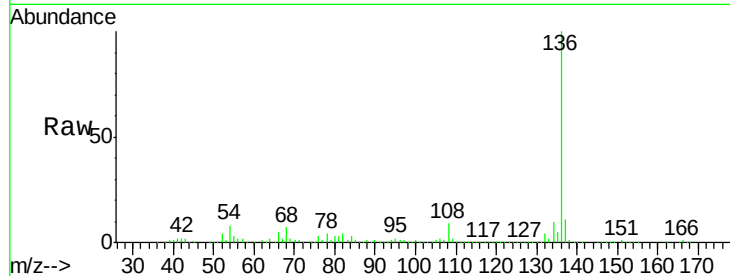
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.4 6.6 9.8

68 6.5 5.0 7.4

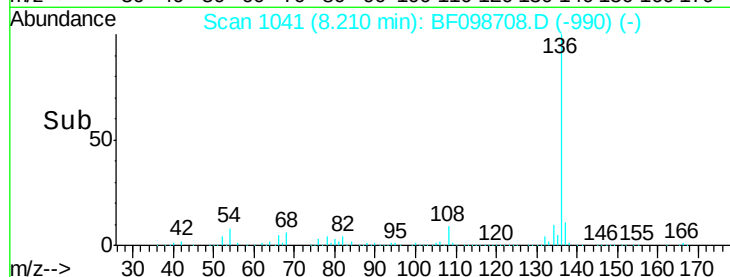


Abundance Ion 136.00 (135.70 to 136.70): E

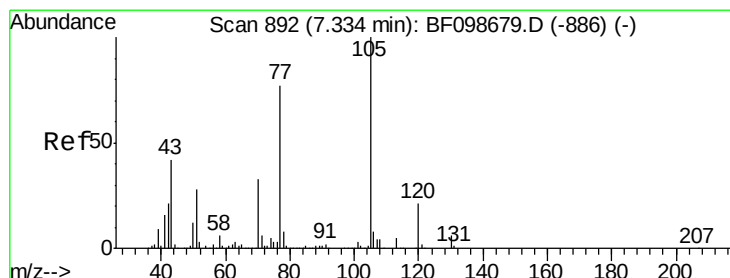
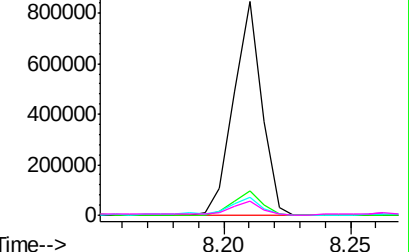
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 4.66 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.02 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Tgt Ion:105 Resp: 75593

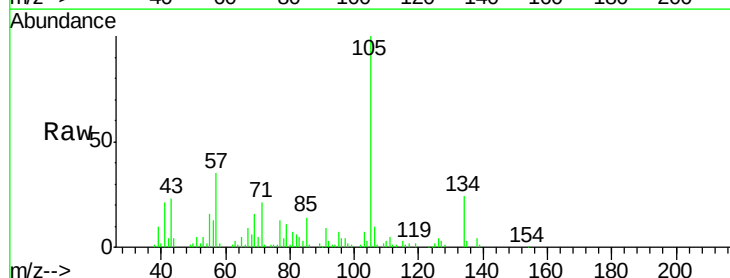
Ion Ratio Lower Upper

105 100

71 21.0 4.4 6.6#

51 4.8 22.3 33.5#

120 0.0 16.9 25.3#

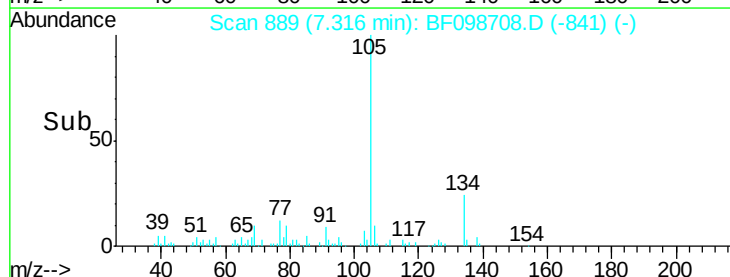


Abundance Ion 105.00 (104.70 to 105.70): E

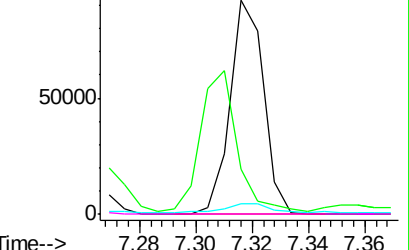
Ion 71.00 (70.70 to 71.70): BF0

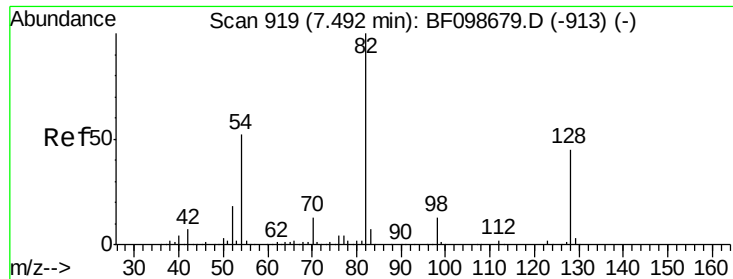
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

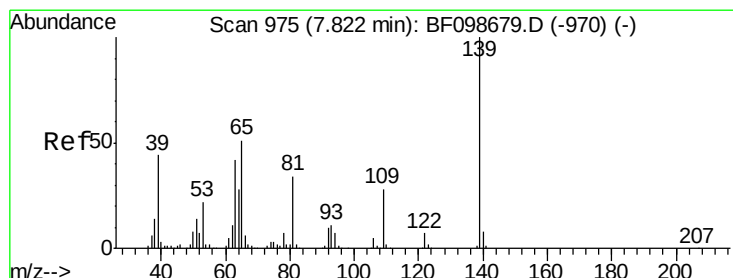
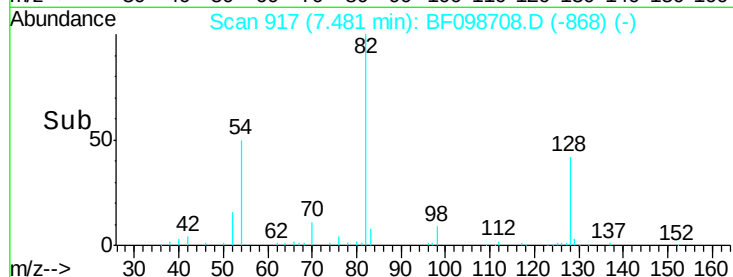
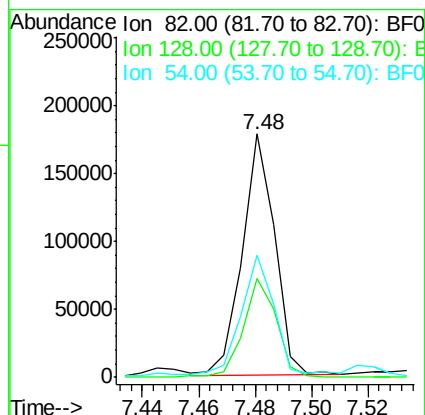
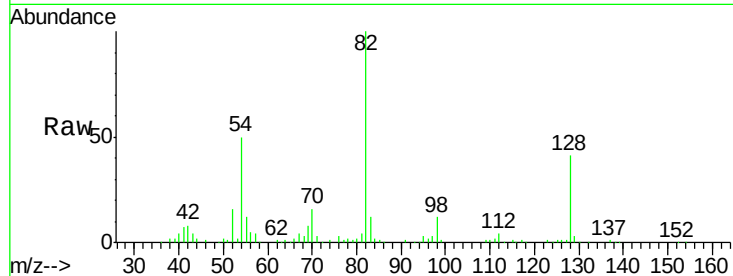




#23
Nitrobenzene-d5
Concen: 14.63 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

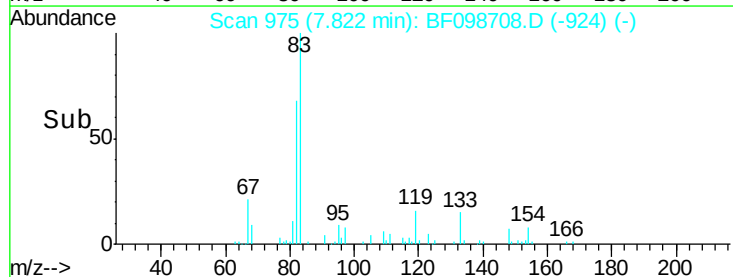
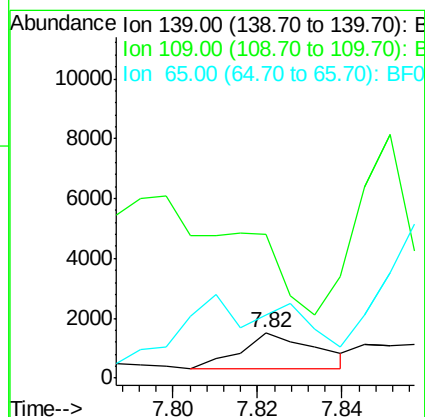
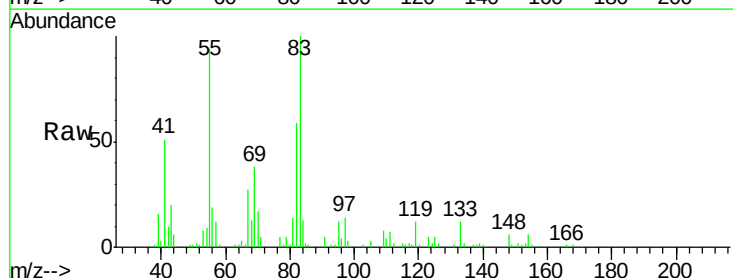
Instrument :
BNA_F
ClientSampleId :
HR-05-092017-A

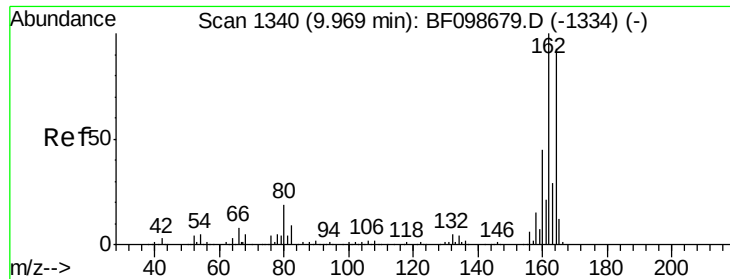
Tot Ion: 82 Resp: 141422
Ion Ratio Lower Upper
82 100
128 40.9 36.1 54.1
54 50.2 41.4 62.2



#26
2-Nitrophenol
Concen: 6.02 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

Tgt Ion: 139 Resp: 1448
Ion Ratio Lower Upper
139 100
109 317.2 22.7 34.1#
65 140.4 40.5 60.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

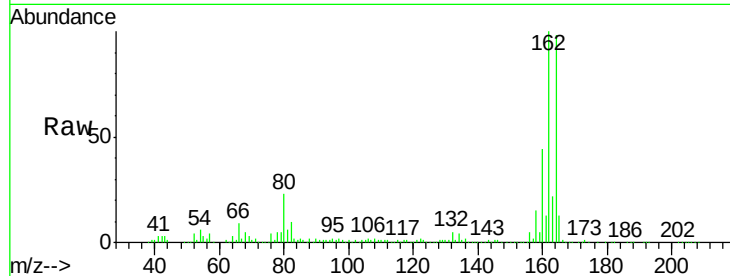
Tot Ion:164 Resp: 295258

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

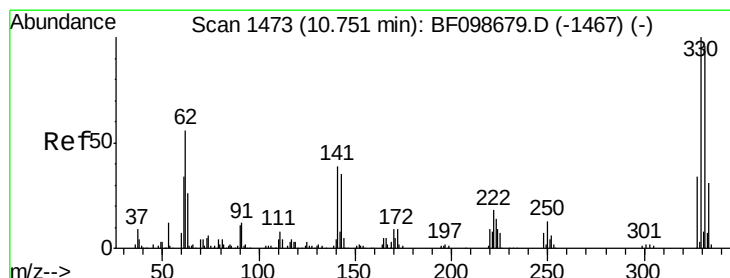
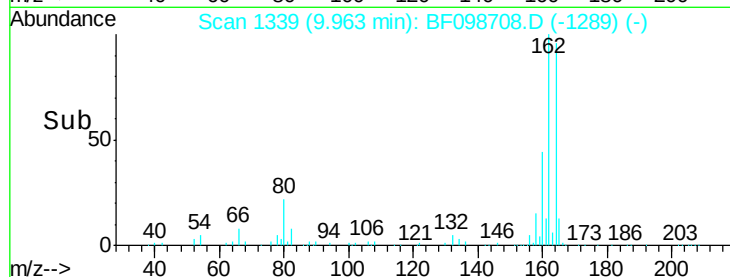
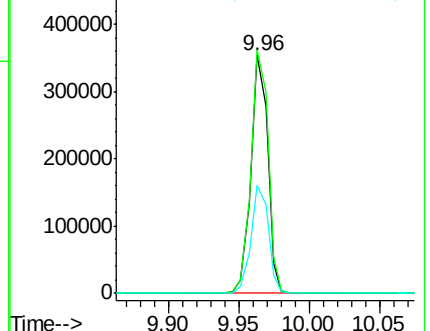
160 45.3 38.3 57.5



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: 17.27 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

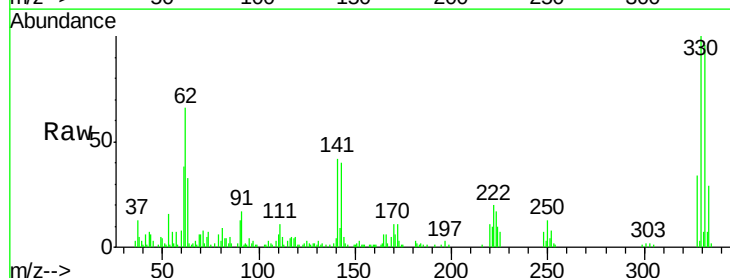
Tgt Ion:330 Resp: 46629

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

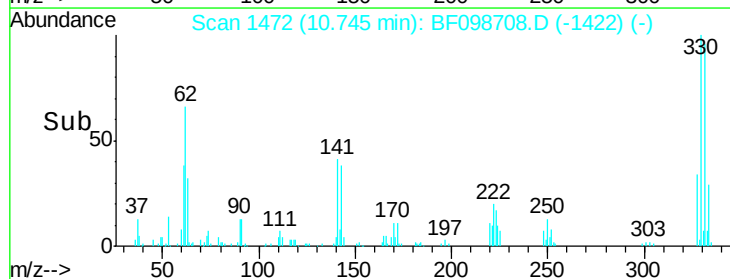
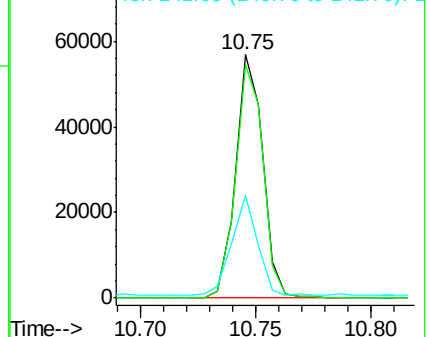
141 39.4 29.9 44.9

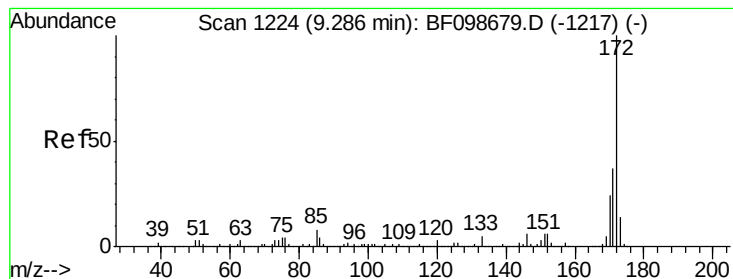


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 14.22 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

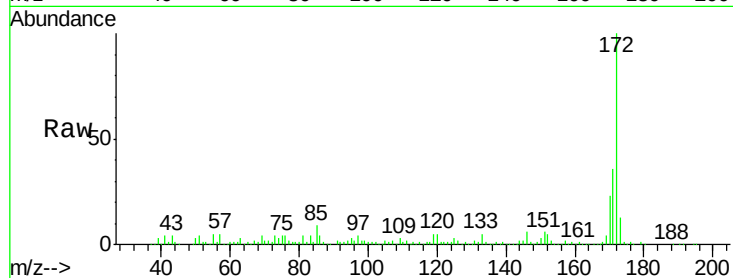
Tot Ion:172 Resp: 263901

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

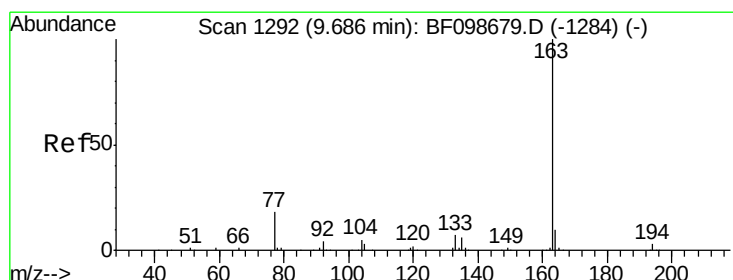
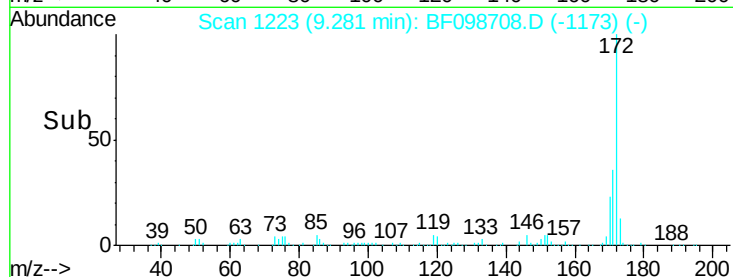
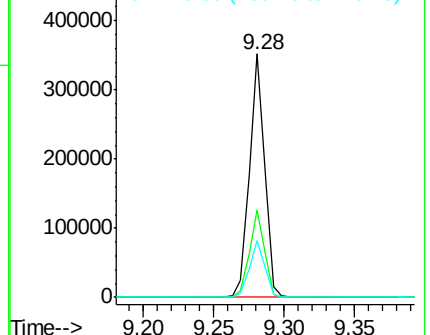
170 23.1 19.6 29.4



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: 2.27 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

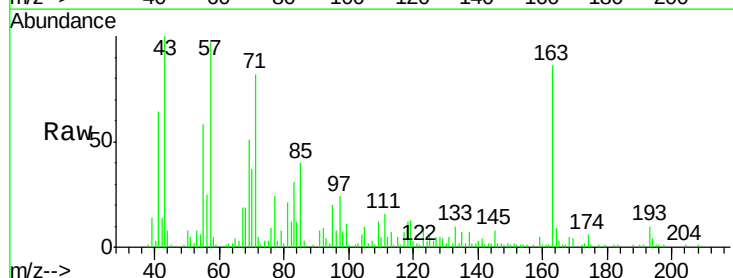
Tgt Ion:163 Resp: 50293

Ion Ratio Lower Upper

163 100

194 5.1 2.7 4.1#

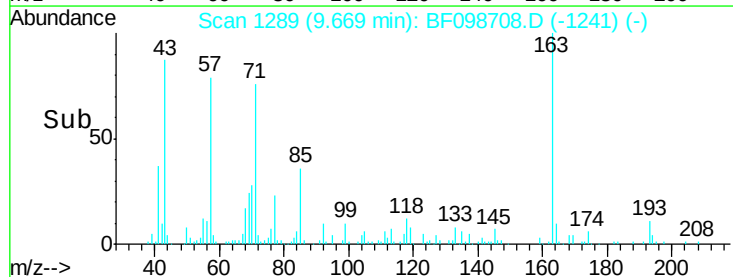
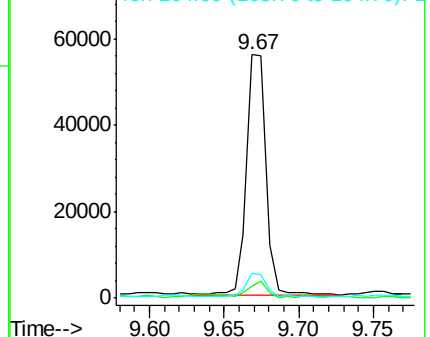
164 10.1 8.2 12.2

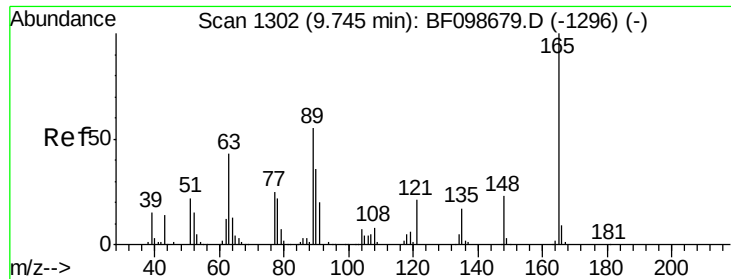


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

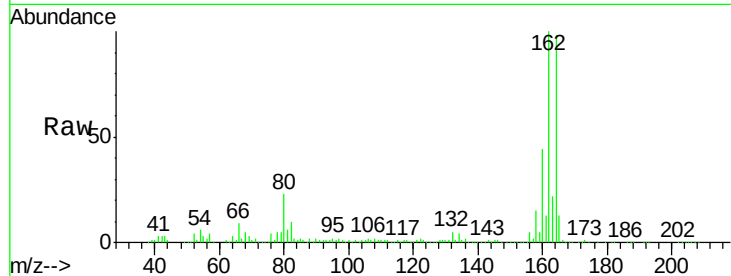




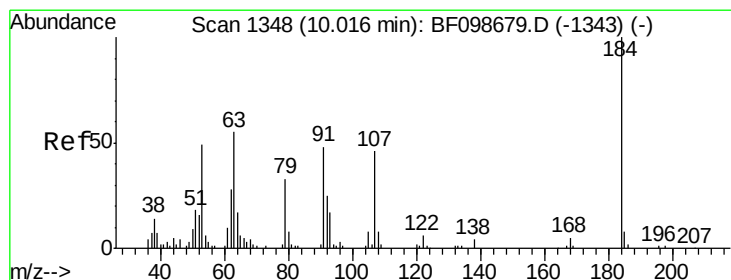
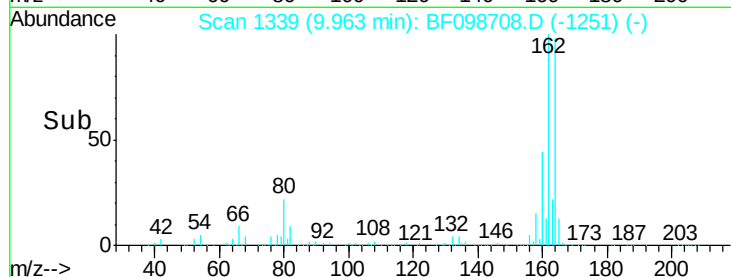
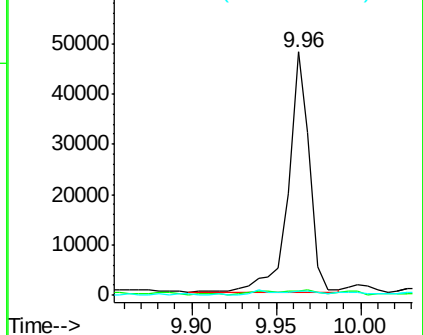
#50
2,6-Dinitrotoluene
Concen: 9.55 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.22 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

Instrument :
BNA_F
ClientSampleId :
HR-05-092017-A

Tot Ion:165 Resp: 41738
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.7 44.0 66.0#

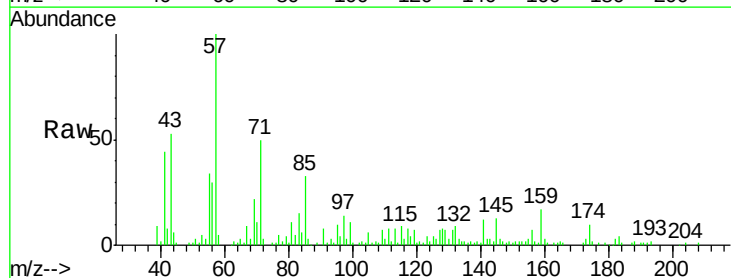


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

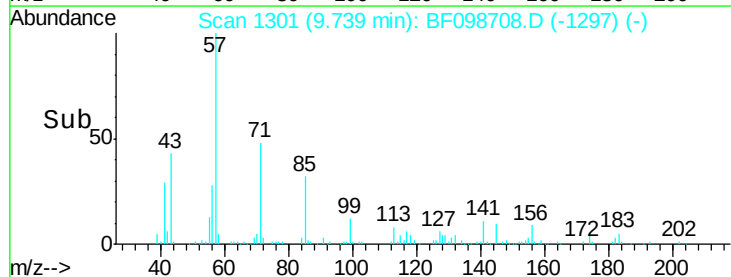
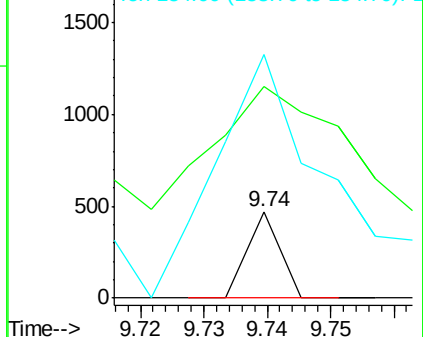


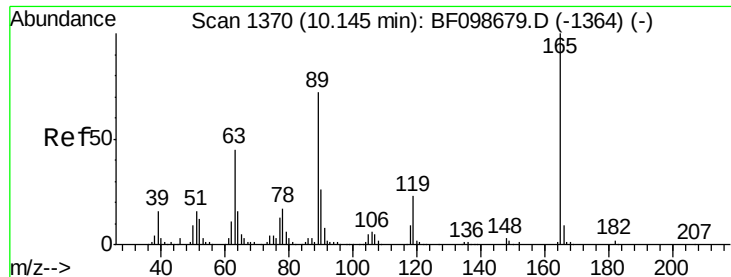
#53
2,4-Dinitrophenol
Concen: 6.10 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.28 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

Tgt Ion:184 Resp: 166
Ion Ratio Lower Upper
184 100
63 246.3 54.2 81.2#
154 282.7 53.5 80.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

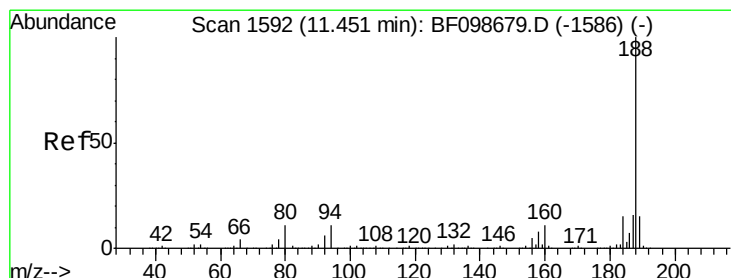
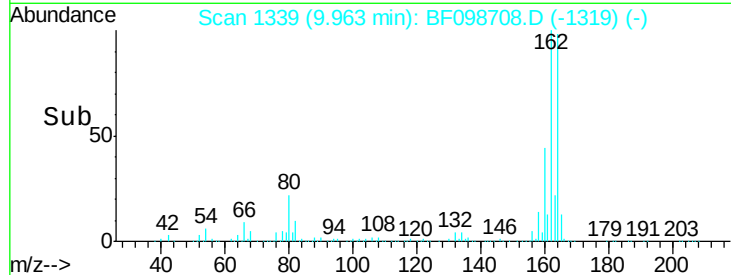
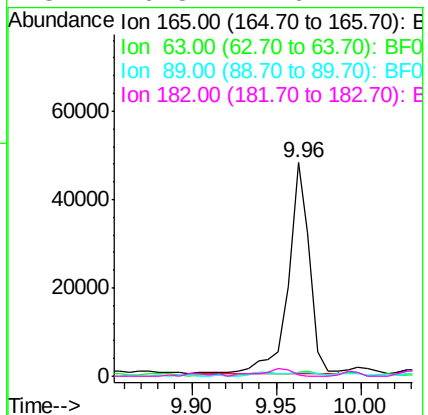
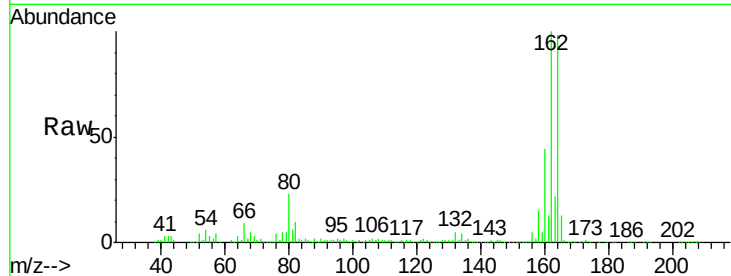




#56
 2,4-Dinitrotoluene
 Concen: 7.11 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.18 min
 Lab File: BF098708.D
 Acq: 22 Sep 2017 20:49

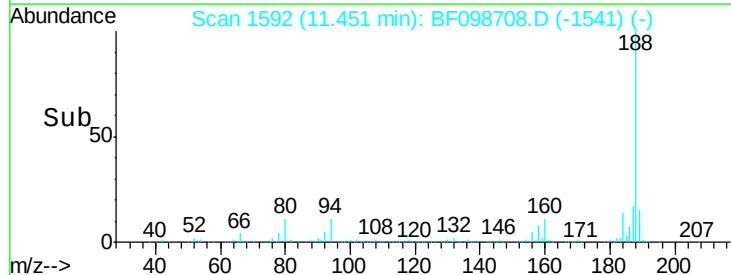
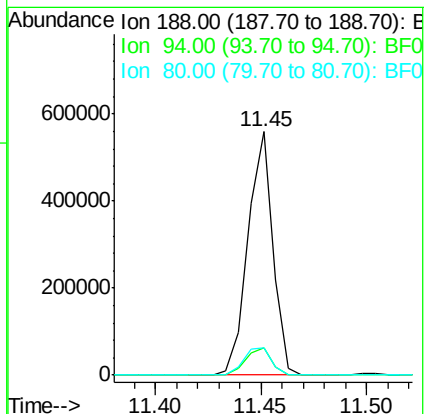
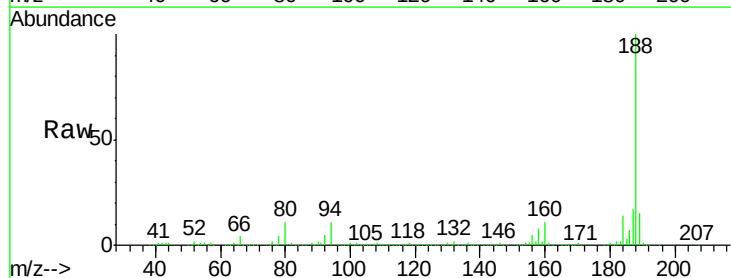
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-A

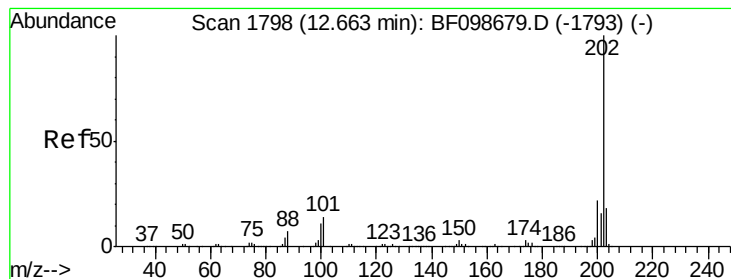
Tot Ion:165 Resp: 41738
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.8 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF098708.D
 Acq: 22 Sep 2017 20:49

Tgt Ion:188 Resp: 459496
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.2 9.2 13.8





#74

Fluoranthene

Concen: 2.61 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

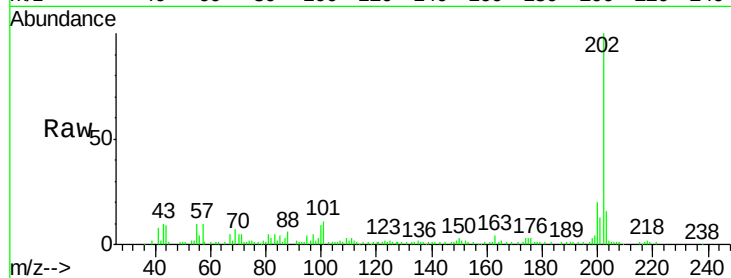
Tot Ion:202 Resp: 64905

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

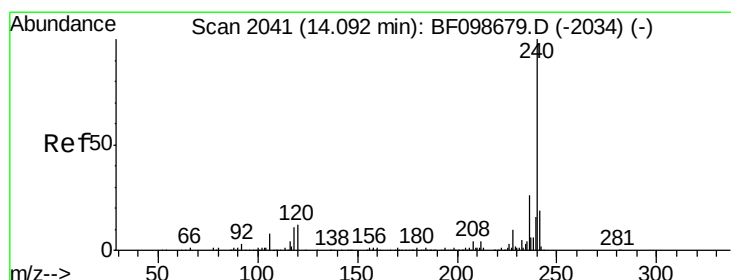
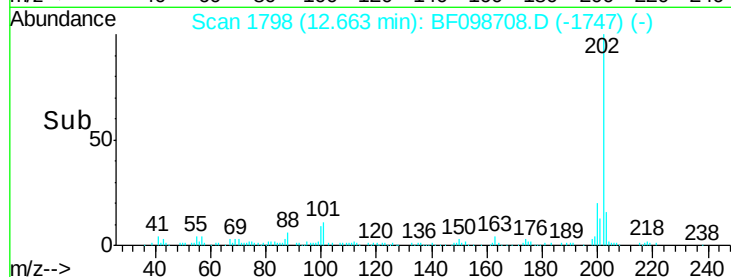
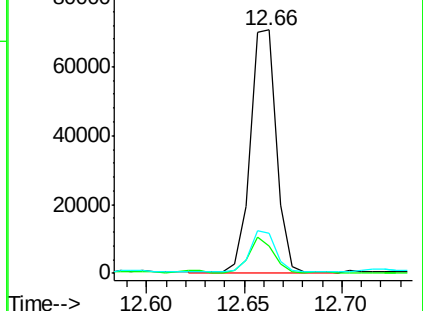
203 16.5 0.0 38.1



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: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

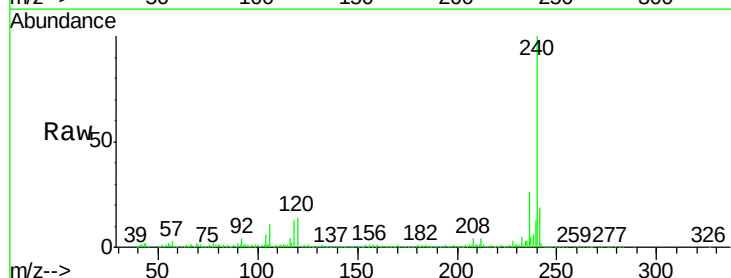
Tgt Ion:240 Resp: 342337

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

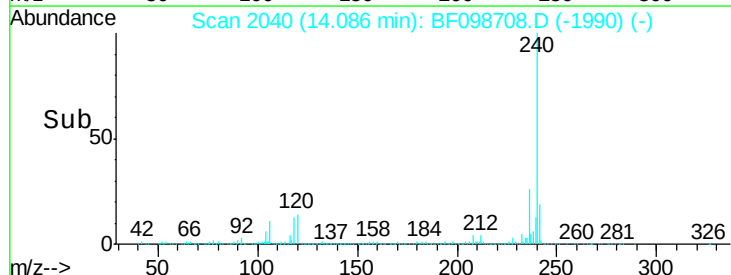
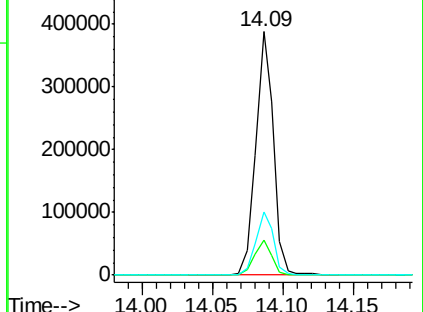
236 25.7 20.7 31.1

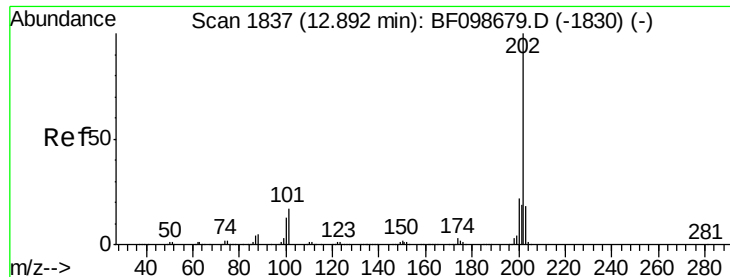


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.54 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

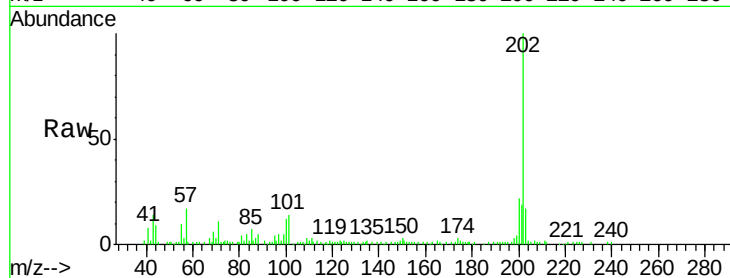
Tot Ion:202 Resp: 64569

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

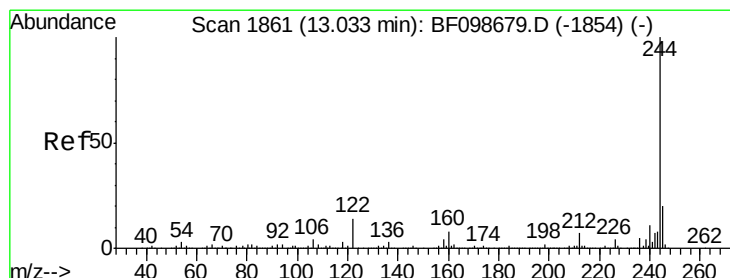
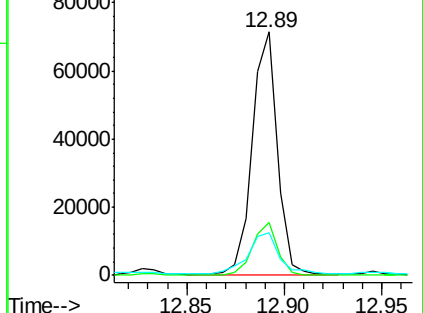
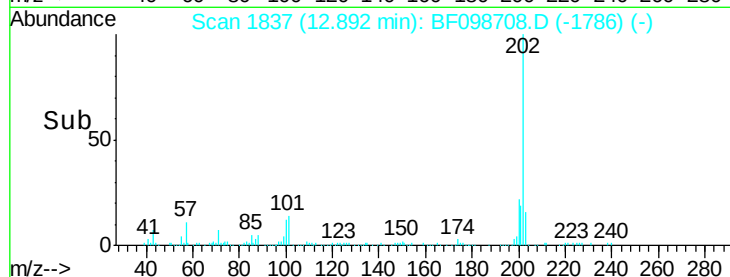
203 17.4 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.85 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

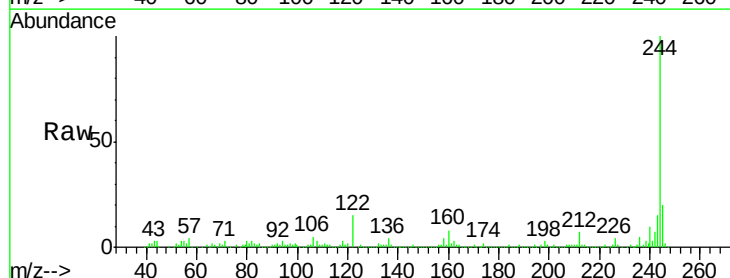
Tgt Ion:244 Resp: 188881

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

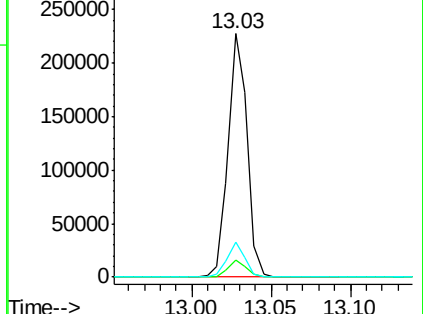
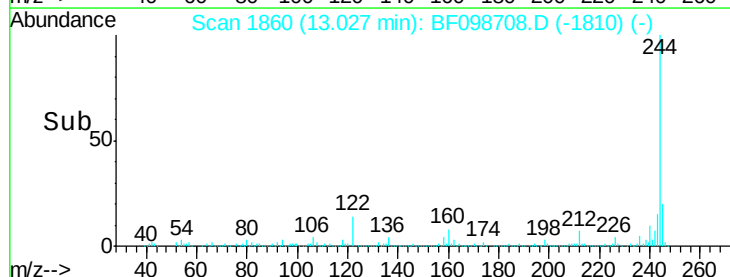
122 14.5 11.0 16.4

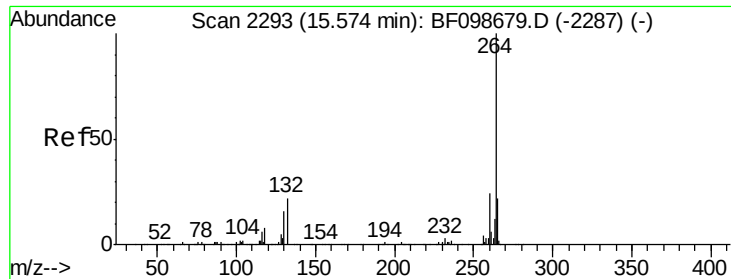


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

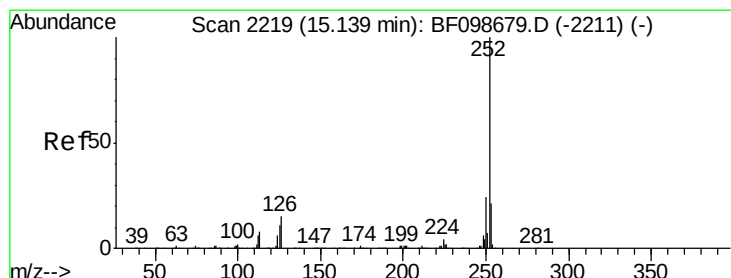
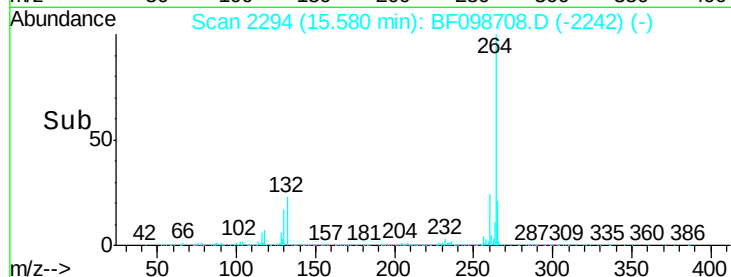
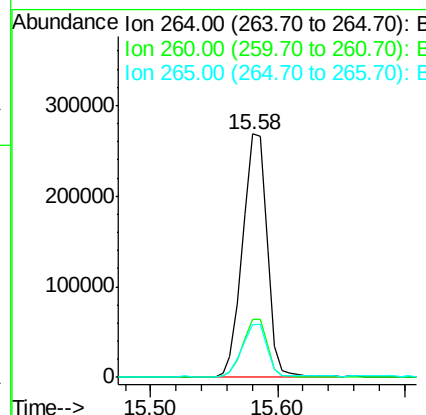
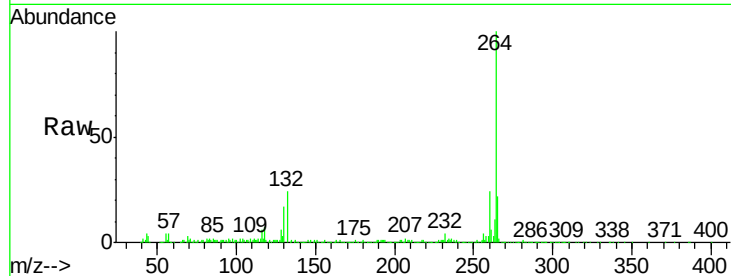




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

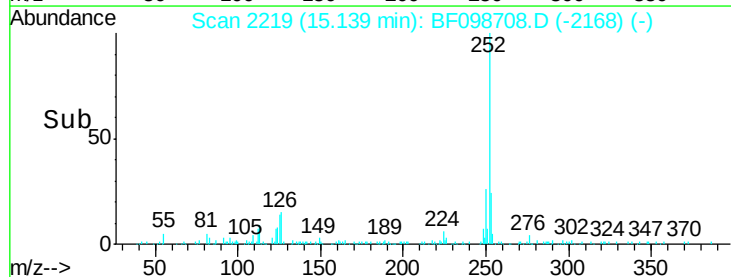
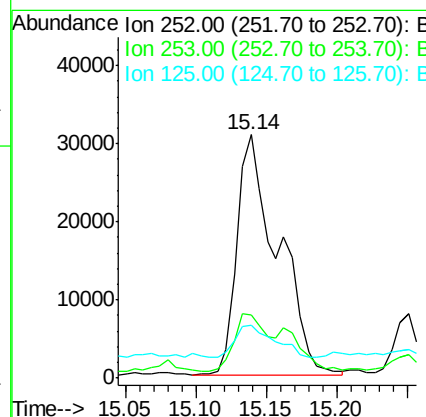
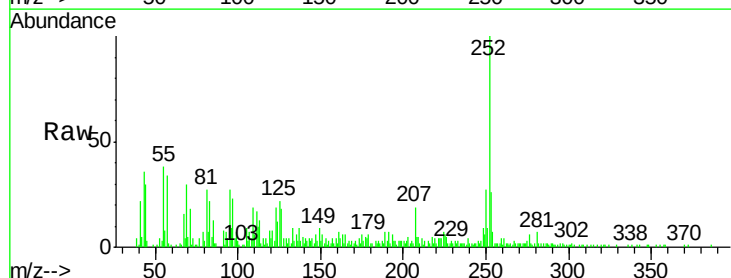
Instrument :
BNA_F
ClientSampleId :
HR-05-092017-A

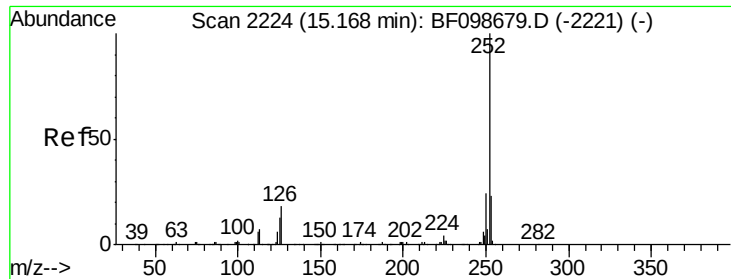
Tot Ion:264 Resp: 357752
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.99 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098708.D
Acq: 22 Sep 2017 20:49

Tgt Ion:252 Resp: 61991
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6#
125 21.9 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.99 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098708.D

Acq: 22 Sep 2017 20:49

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-A

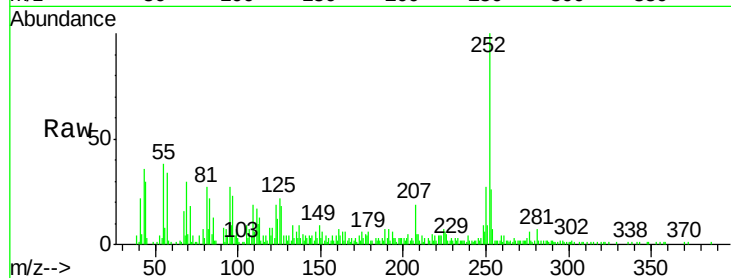
Tot Ion: 252 Resp: 61991

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

125 21.9 10.2 15.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

