

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF08157.D
 Acq On : 30 Aug 2017 14:02
 Operator : SJ/JU
 Sample : I4979-04DL2 100X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

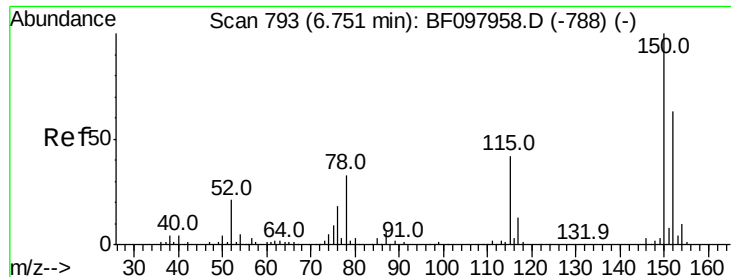
Quant Time: Aug 30 14:40:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	76576	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	306533	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	128218	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	199330	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	162770	20.00	ng	-0.02
86) Perylene-d12	15.30	264	144487	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	5670	1.13	ng	-0.02
7) Phenol-d6	6.36	99	8897	1.30	ng	-0.02
23) Nitrobenzene-d5	7.29	82	6434	1.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	764	0.69	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	9331	1.07	ng	-0.02
78) Terphenyl-d14	12.83	244	5563	0.71	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	7.57	139	116	5.303	ng	# 1
32) Benzoic acid	7.69	122	124	6.435	ng	# 1
35) Caprolactam	8.45	113	3402	2.464	ng	# 69
37) 2-Methylnaphthalene	8.83	142	147865	15.155	ng	95
51) Acenaphthene	9.80	154	183633	21.462	ng	99
53) 2,4-Dinitrophenol	10.06	184	771	10.898	ng	# 41
54) Dibenzofuran	9.97	168	173548	15.134	ng	# 96
55) 4-Nitrophenol	9.87	139	5537	2.876	ng	85
57) Fluorene	10.32	166	173959	19.621	ng	98
64) 4,6-Dinitro-2-methylphenol	10.50	198	118	8.425	ng	# 1
65) n-Nitrosodiphenylamine	10.43	169	15727	2.317	ng	# 59
70) Phenanthrene	11.27	178	397862	37.457	ng	99
71) Anthracene	11.33	178	121411	11.270	ng	100
74) Fluoranthene	12.46	202	113211	10.212	ng	98
77) Pyrene	12.69	202	85102	6.393	ng	98

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

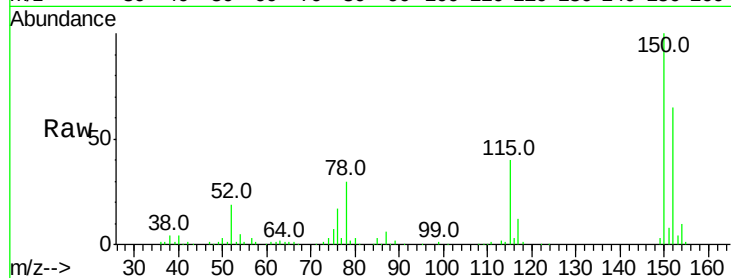


#1

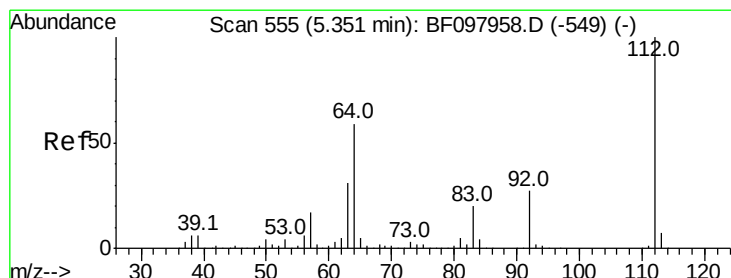
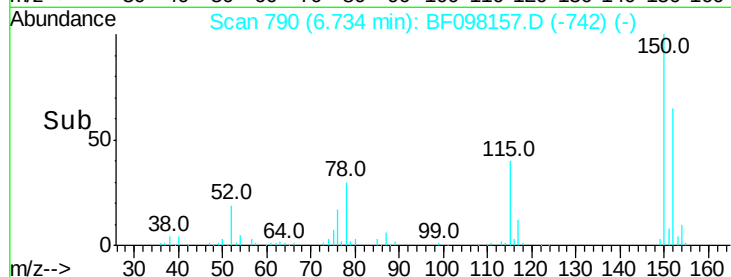
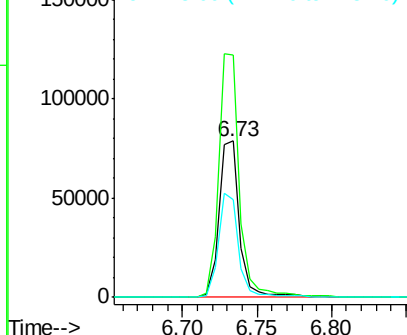
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098157.D
Acq: 30 Aug 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76576
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 62.6 52.2 78.2



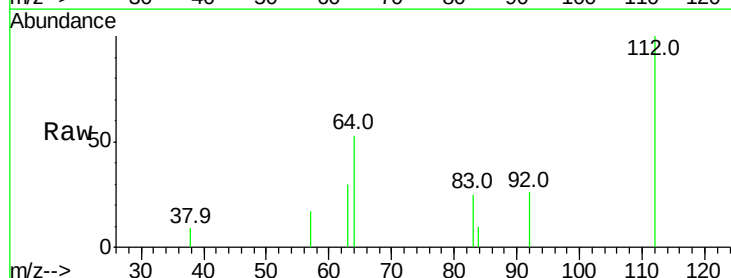
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



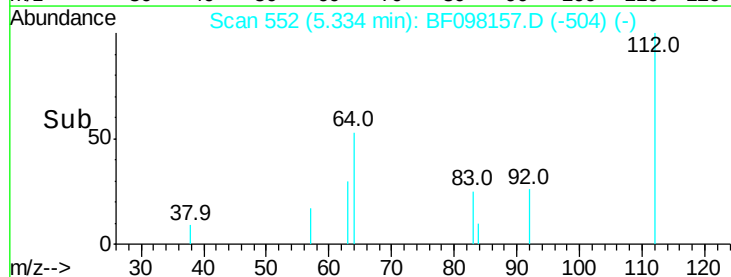
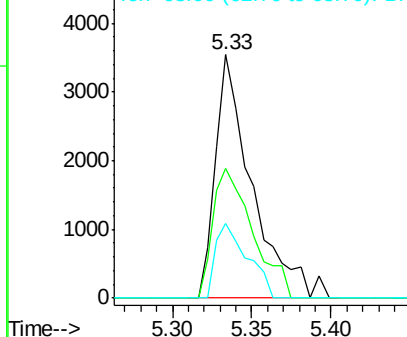
#5

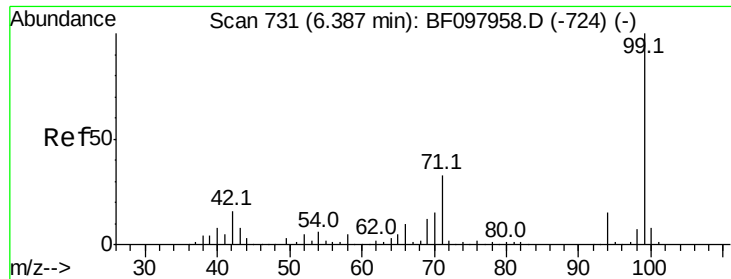
2-Fluorophenol
Concen: 1.126 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098157.D
Acq: 30 Aug 2017 14:02

Tgt Ion:112 Resp: 5670
Ion Ratio Lower Upper
112 100
64 53.2 46.0 69.0
63 30.4 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: 1.301 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

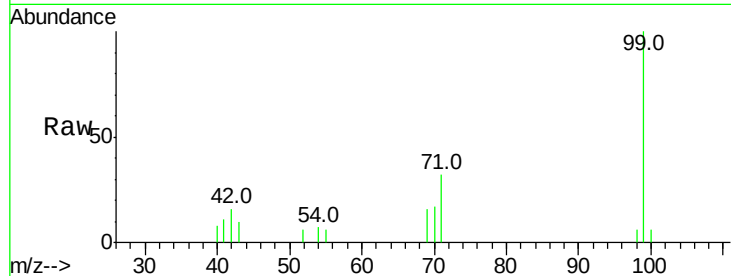
Tot Ion: 99 Resp: 8897

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

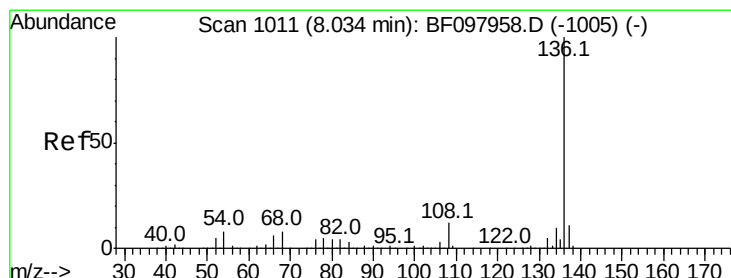
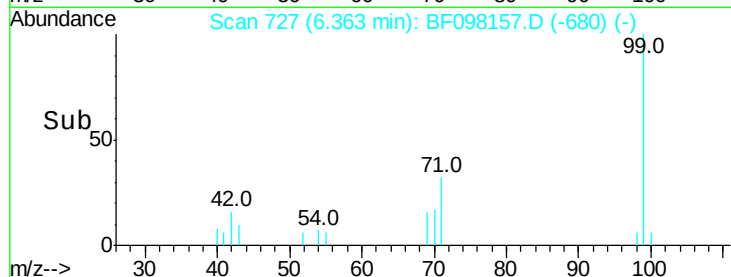
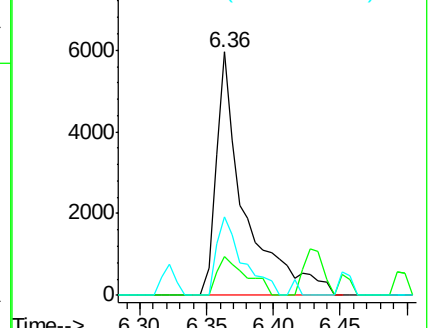
71 32.3 24.5 36.7



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: BF098157.D

Acq: 30 Aug 2017 14:02

Tgt Ion: 136 Resp: 306533

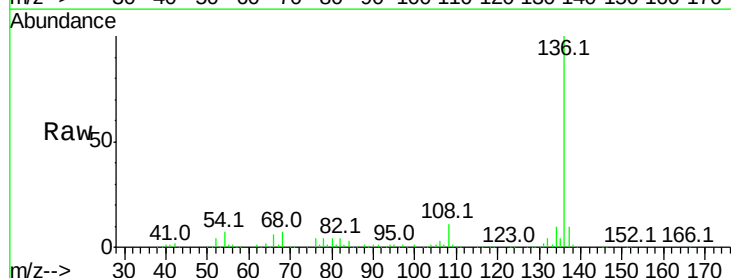
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 6.9 4.1 6.1#

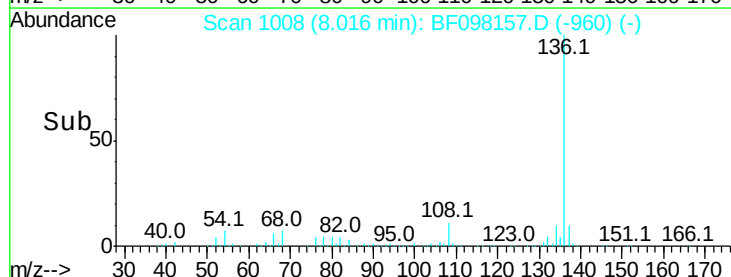
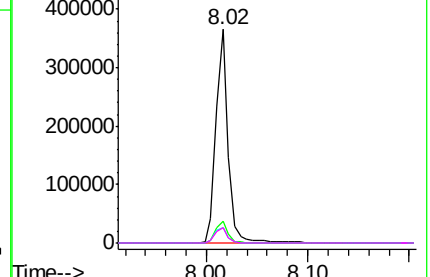


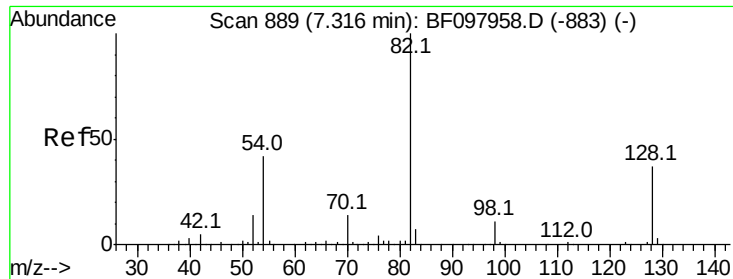
Abundance Ion 136.00 (135.70 to 136.70): E

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

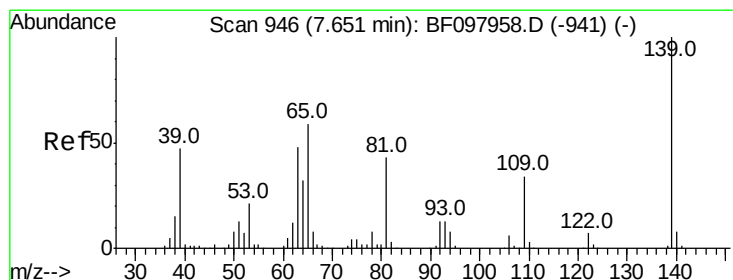
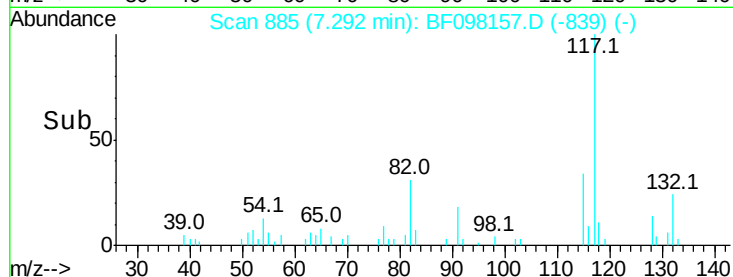
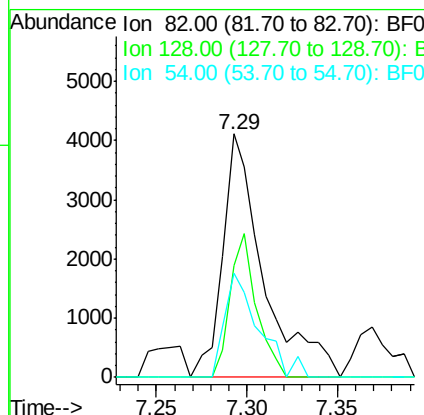
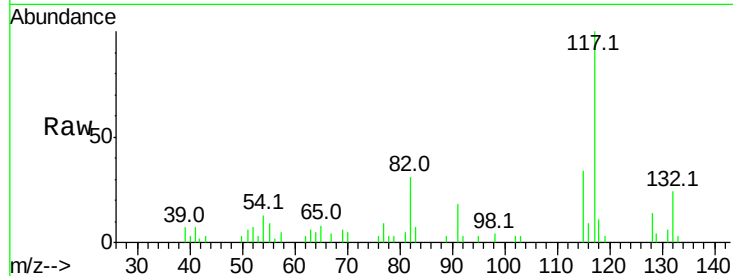




#23
 Nitrobenzene-d5
 Concen: 1.140 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

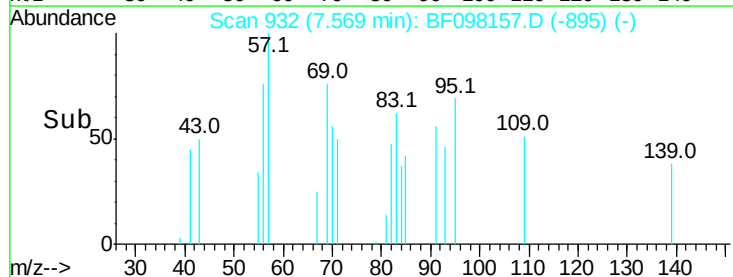
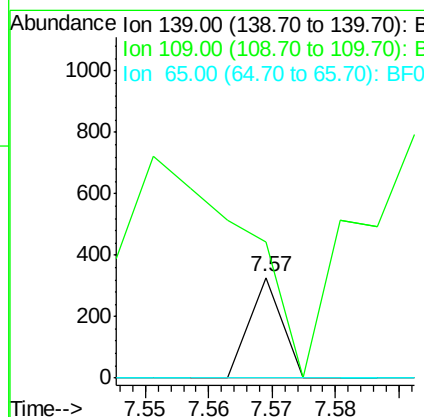
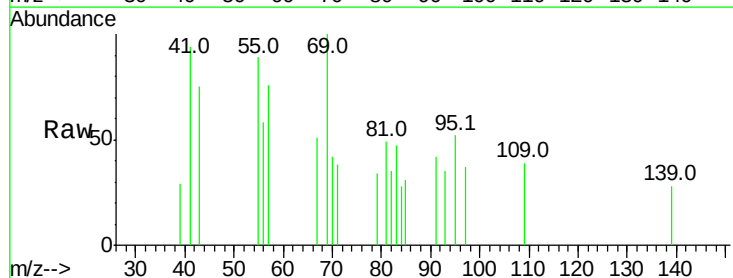
Instrument :
 BNA_F
 ClientSampleId :

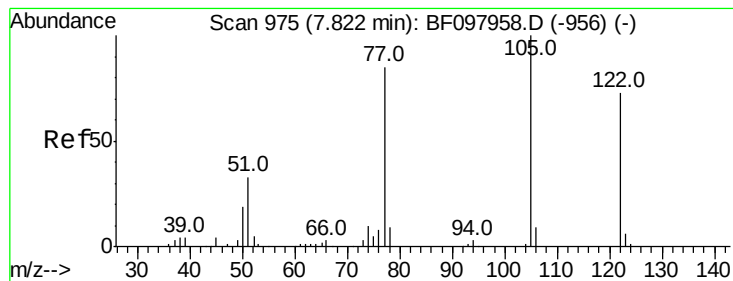
Tot Ion: 82 Resp: 6434
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 42.6 42.2 63.2



#26
 2-Nitrophenol
 Concen: 5.303 ng
 RT: 7.57 min Scan# 932
 Delta R.T. -0.08 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion: 139 Resp: 116
 Ion Ratio Lower Upper
 139 100
 109 135.7 21.0 31.6#
 65 0.0 33.0 49.6#





#32

Benzoic acid

Concen: 6.435 ng

RT: 7.69 min Scan# 953

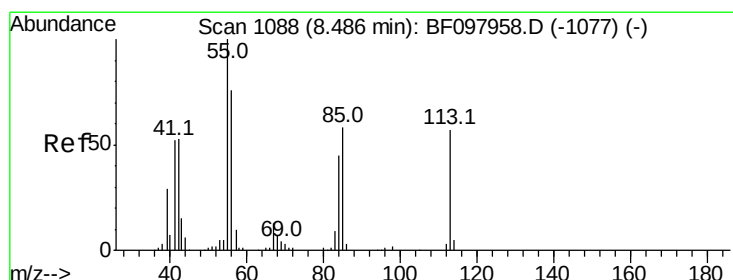
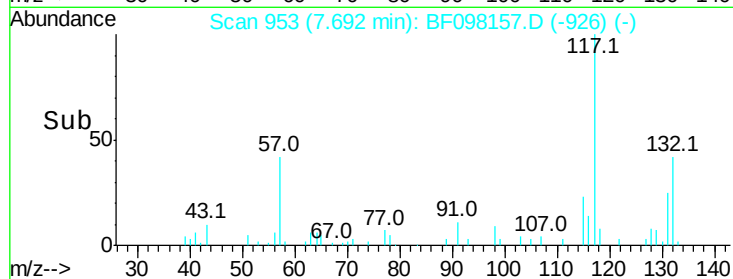
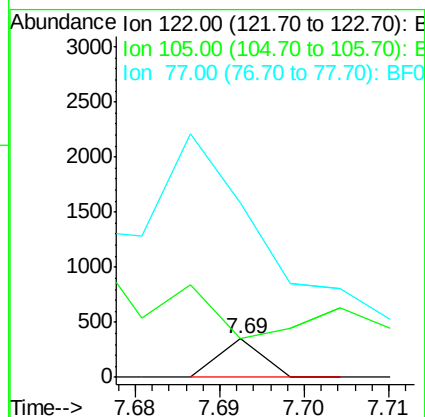
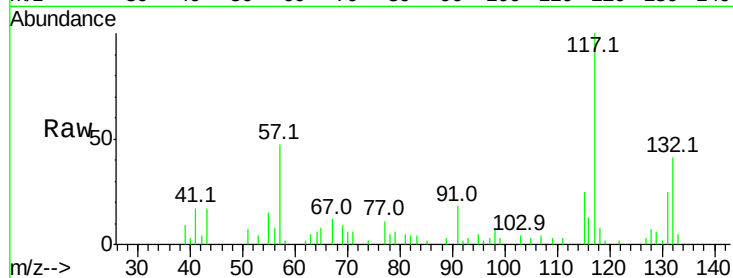
Delta R.T. -0.14 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	122	Resp:	124
Ion	Ratio	Lower	Upper
122	100		
105	101.7	103.3	143.3#
77	452.4	73.7	113.7#



#35

Caprolactam

Concen: 2.464 ng

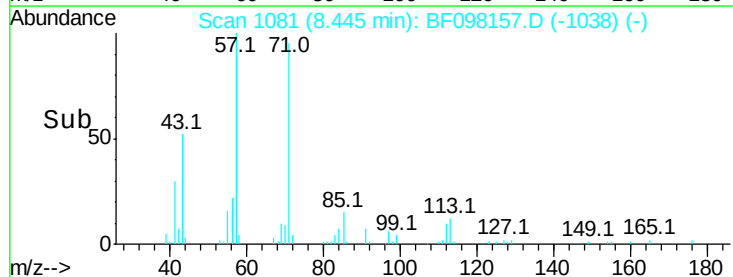
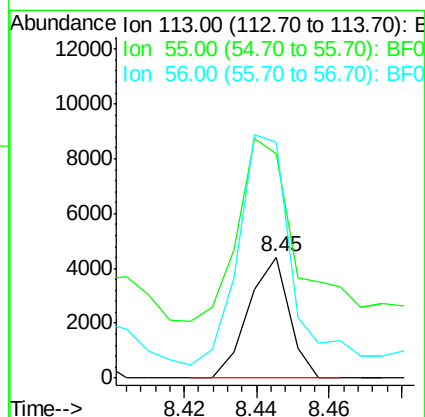
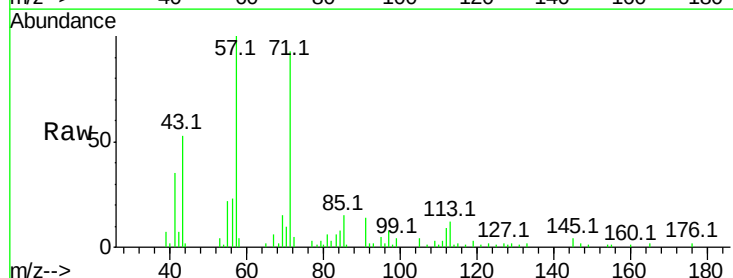
RT: 8.45 min Scan# 1081

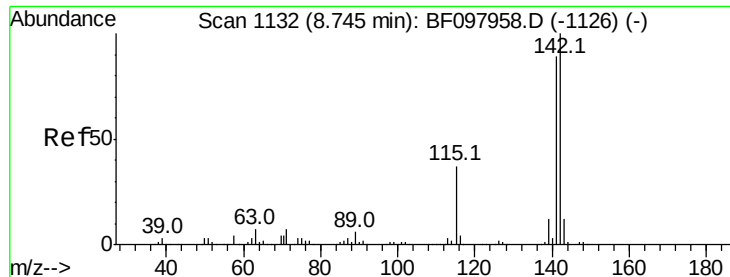
Delta R.T. -0.05 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Tgt Ion:	113	Resp:	3402
Ion	Ratio	Lower	Upper
113	100		
55	185.9	150.2	190.2
56	194.7	107.8	147.8#

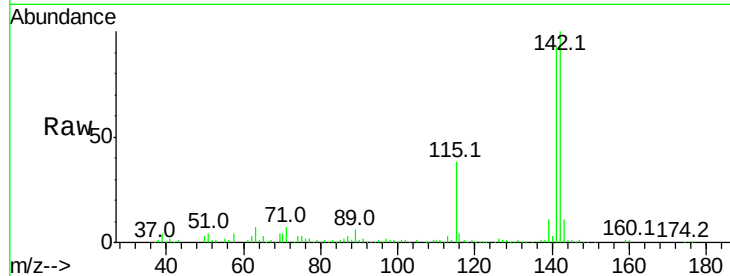




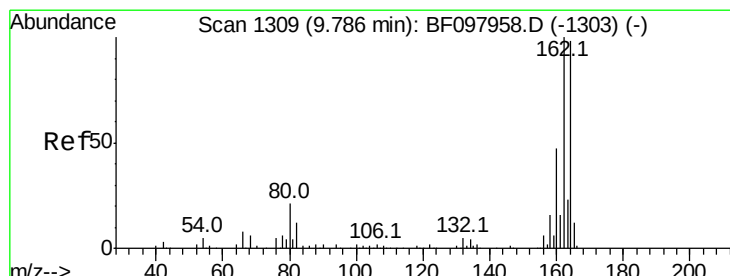
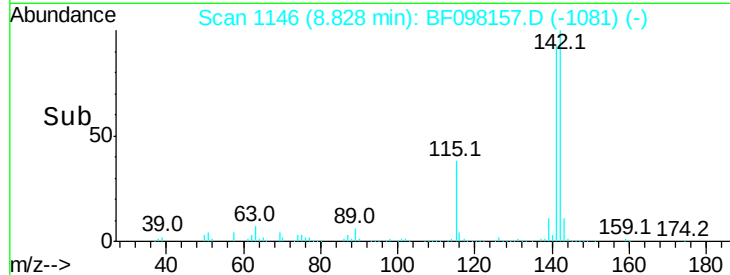
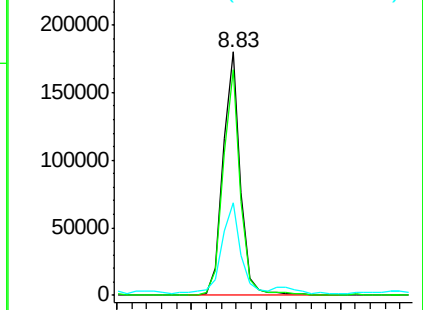
#37
 2-Methylnaphthalene
 Concen: 15.155 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. 0.08 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.3	106.9
115	37.9	27.1	40.7

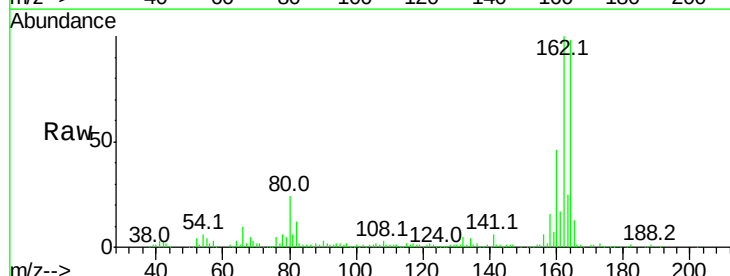


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

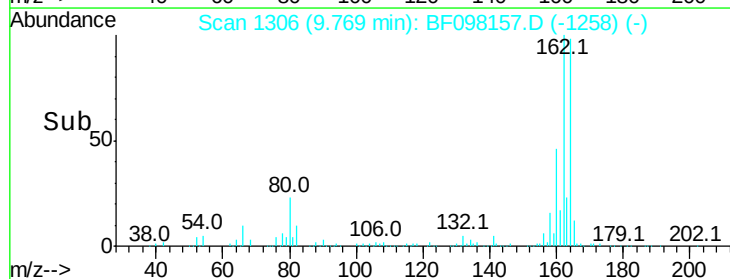
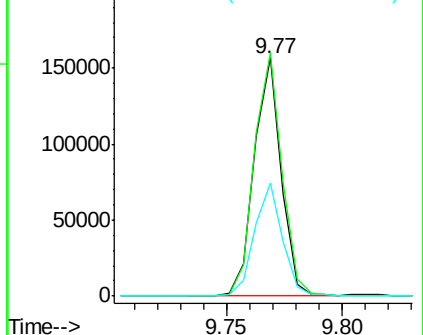


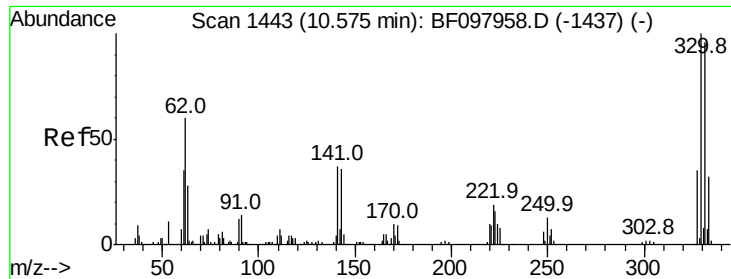
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	47.2	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

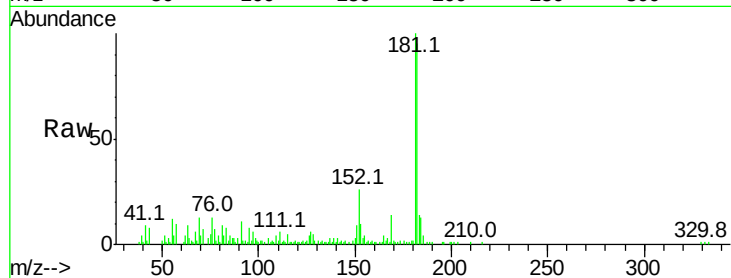




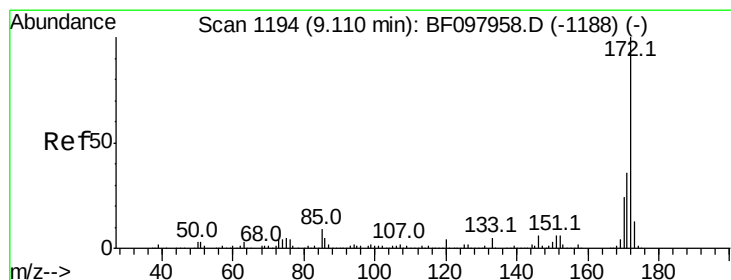
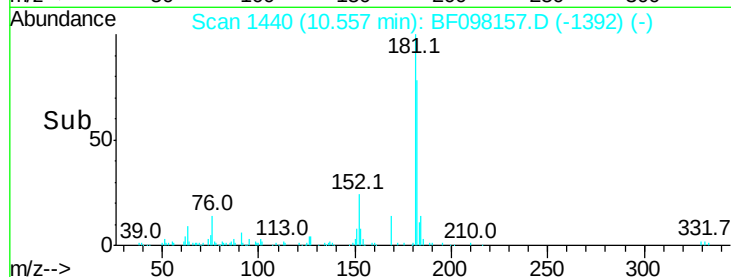
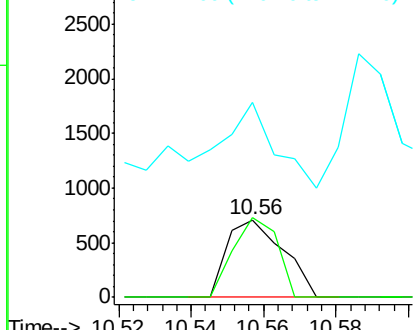
#41
 2,4,6-Tribromophenol
 Concen: 0.687 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 764
 Ion Ratio Lower Upper
 330 100
 332 81.2 76.6 115.0
 141 130.9 31.4 47.2#

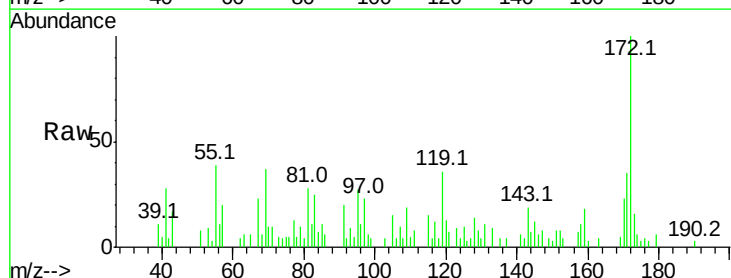


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

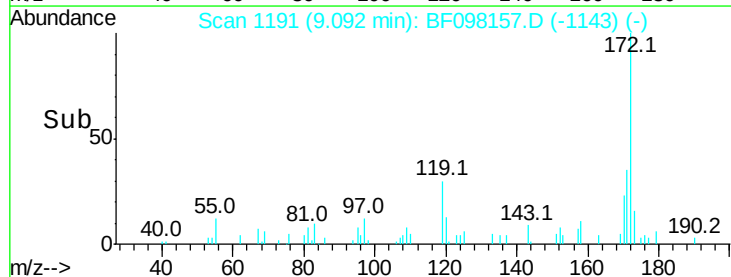
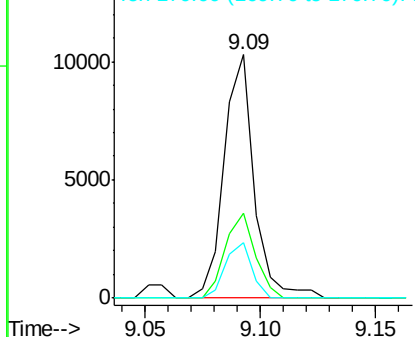


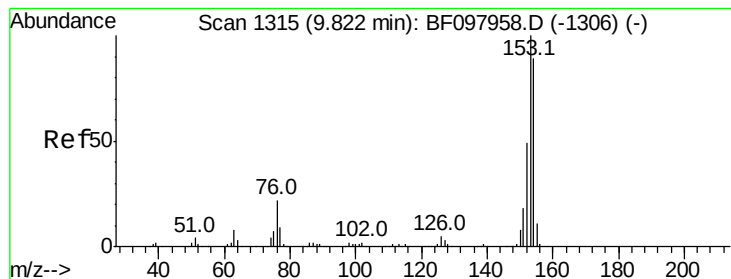
#44
 2-Fluorobiphenyl
 Concen: 1.069 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion:172 Resp: 9331
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.9 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





#51

Acenaphthene

Concen: 21.462 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

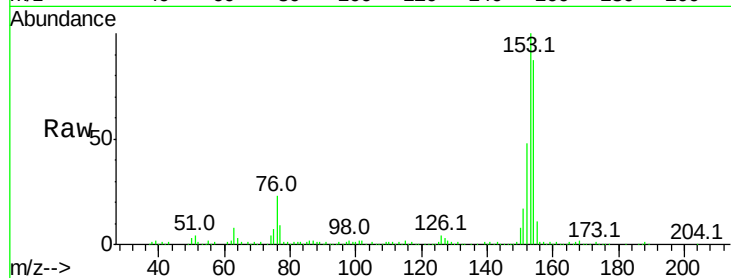
Tot Ion:154 Resp: 183633

Ion Ratio Lower Upper

154 100

153 115.0 90.5 135.7

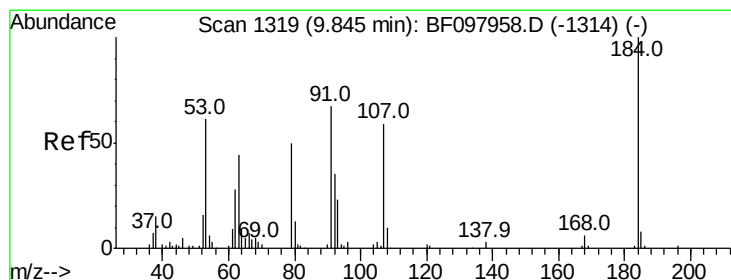
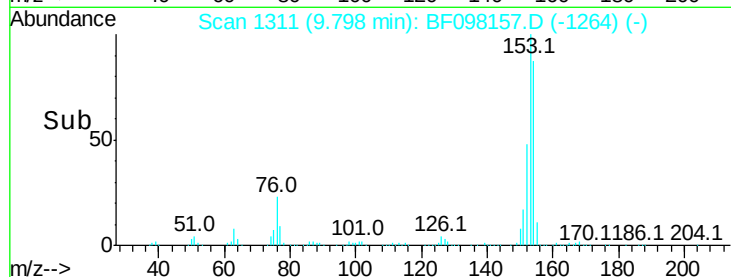
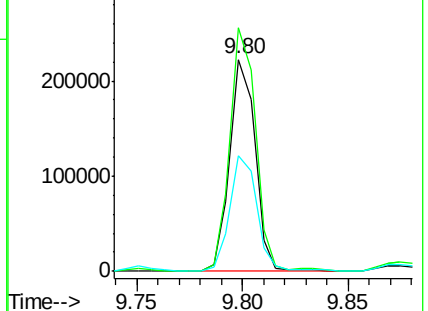
152 54.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.898 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.21 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

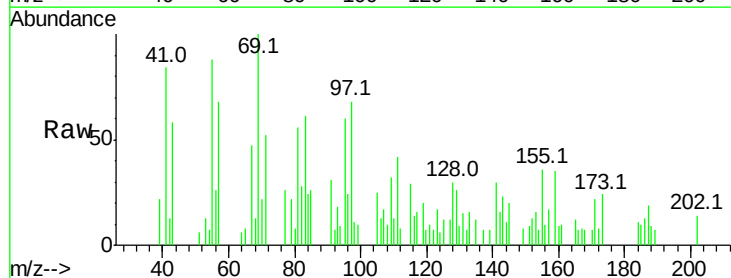
Tgt Ion:184 Resp: 771

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

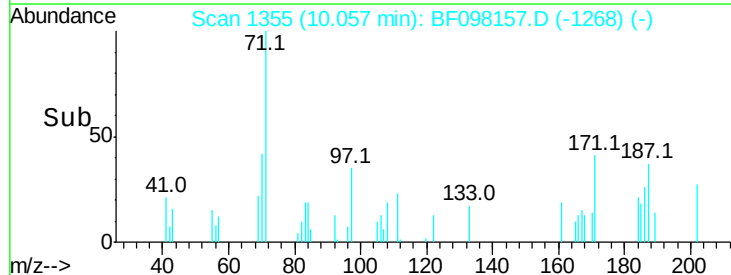
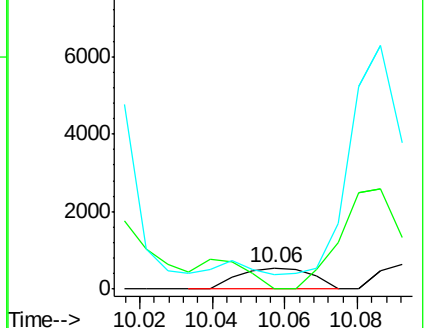
154 66.4 81.1 121.7#

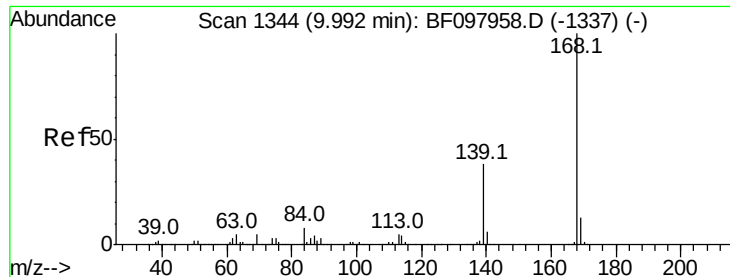


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 15.134 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampled :

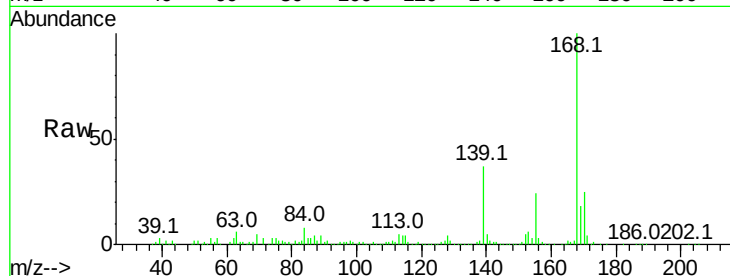
Tot Ion:168 Resp: 173548

Ion Ratio Lower Upper

168 100

139 37.3 30.6 45.8

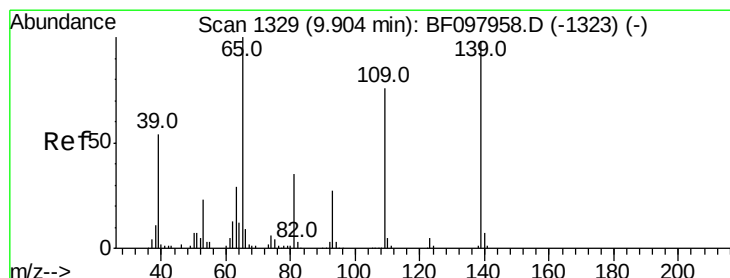
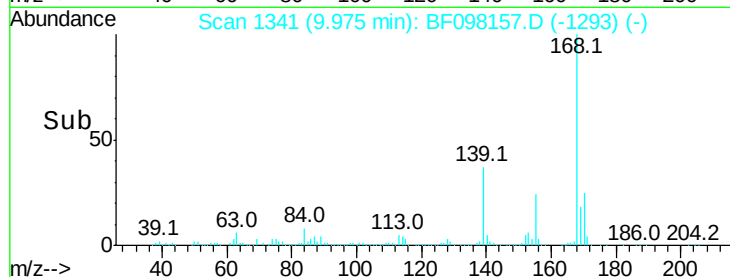
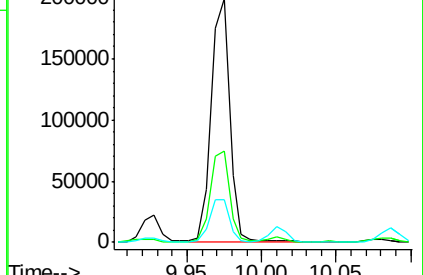
169 17.7 10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 2.876 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

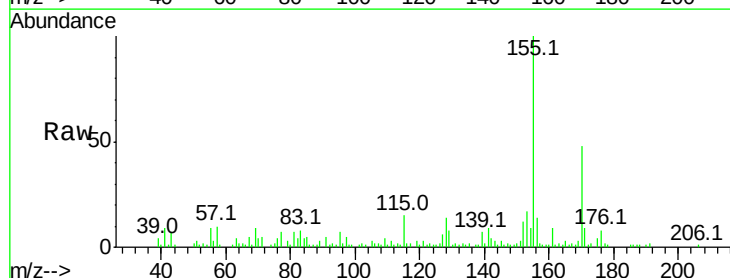
Tgt Ion:139 Resp: 5537

Ion Ratio Lower Upper

139 100

109 59.1 34.1 74.1

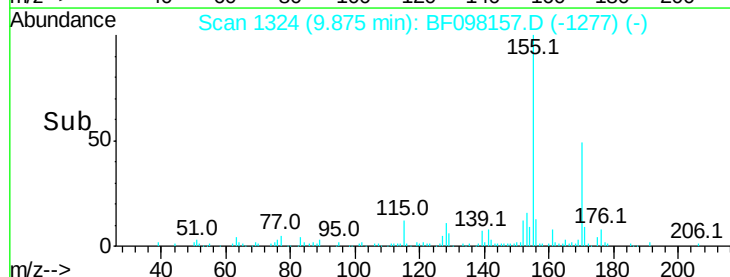
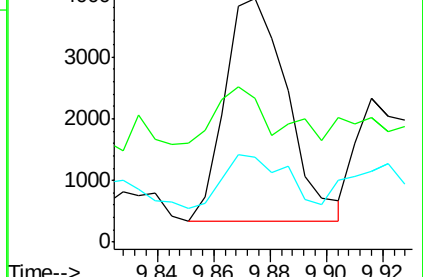
65 35.0 31.4 71.4

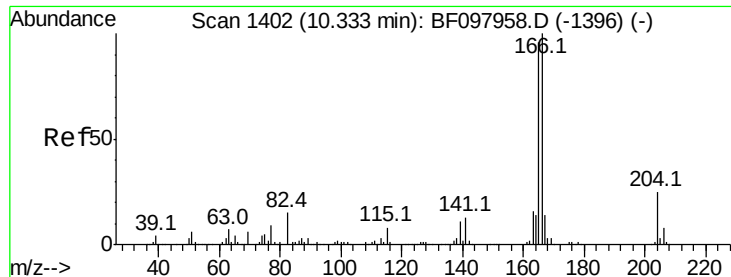


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

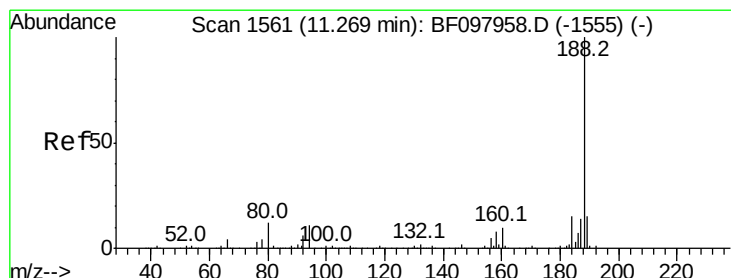
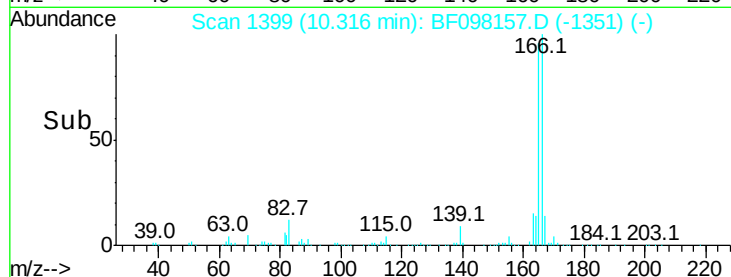
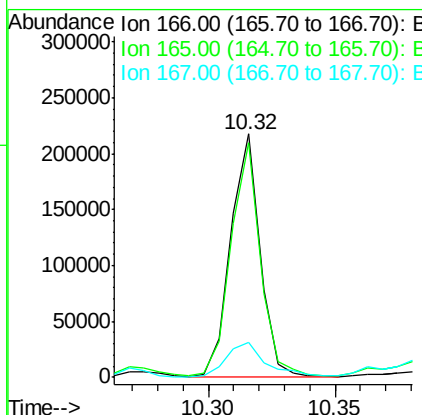
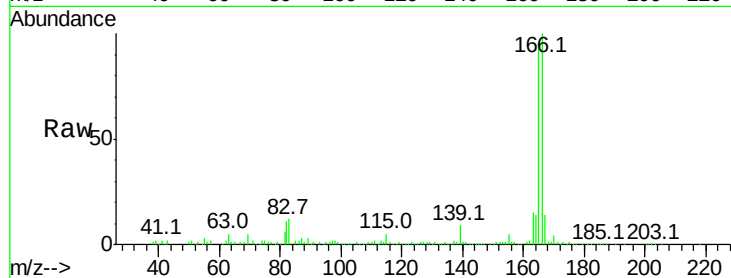




#57
 Fluorene
 Concen: 19.621 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

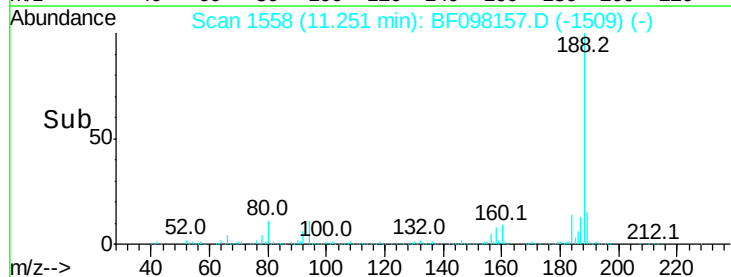
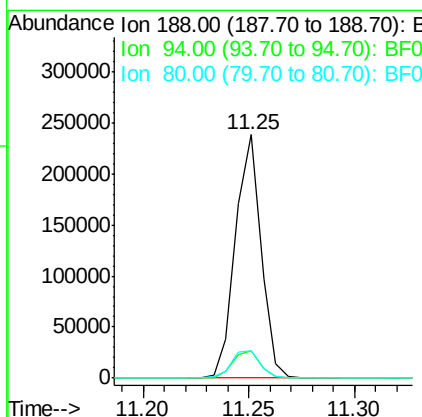
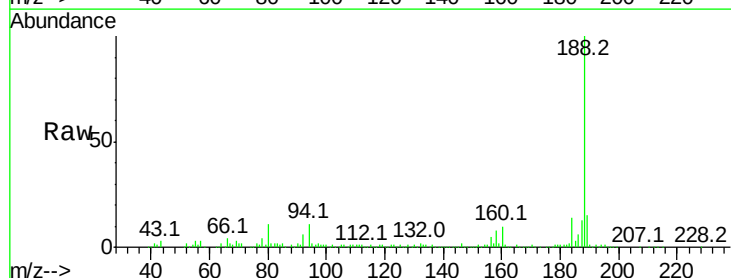
Instrument :
 BNA_F
 ClientSampled :

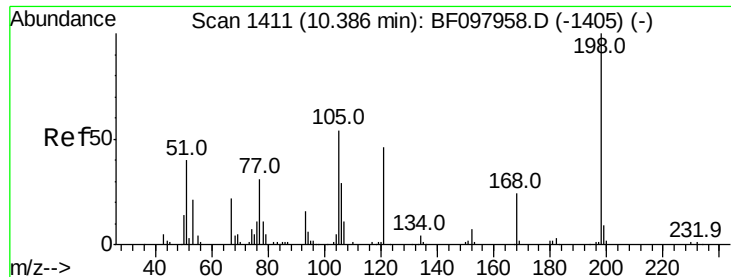
Tot Ion:166 Resp: 173959
 Ion Ratio Lower Upper
 166 100
 165 96.4 78.8 118.2
 167 14.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion:188 Resp: 199330
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 11.4 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.425 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.12 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampled :

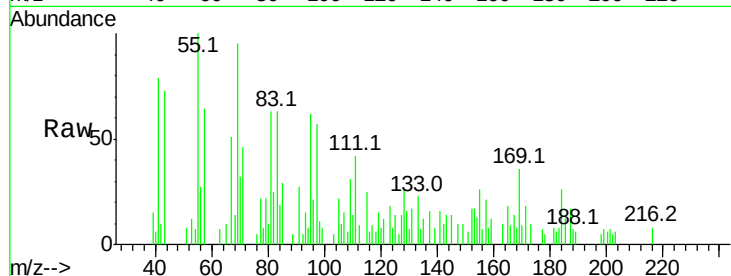
Tot Ion:198 Resp: 118

Ion Ratio Lower Upper

198 100

51 139.6 53.2 93.2#

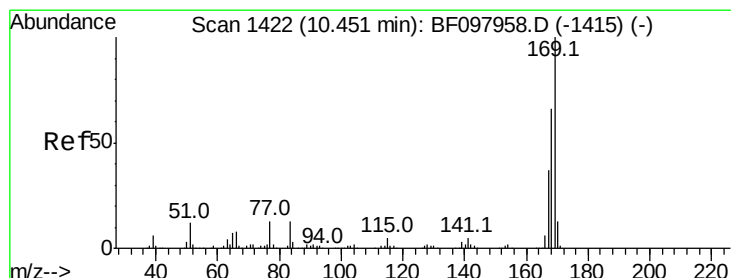
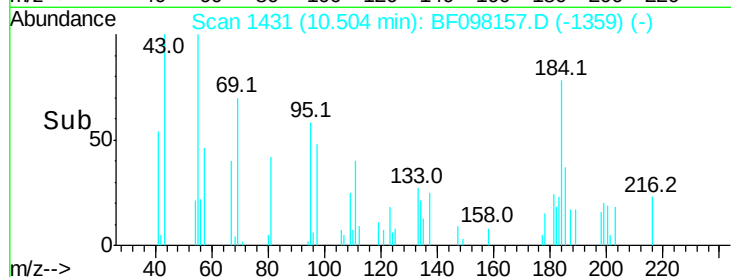
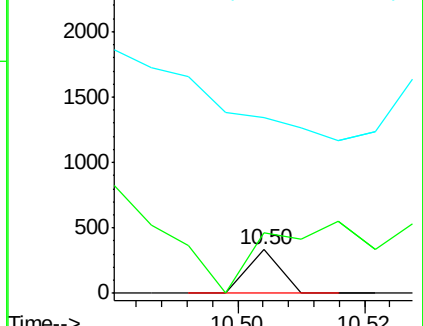
105 402.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 2.317 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

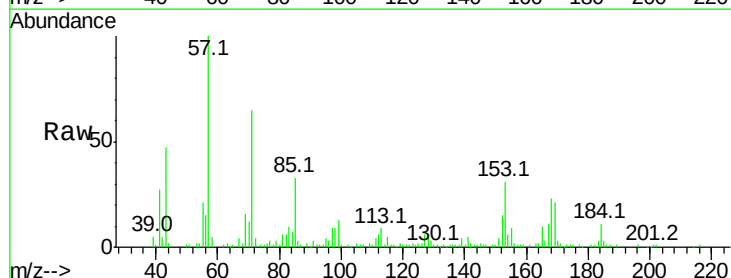
Tgt Ion:169 Resp: 15727

Ion Ratio Lower Upper

169 100

168 108.6 53.2 79.8#

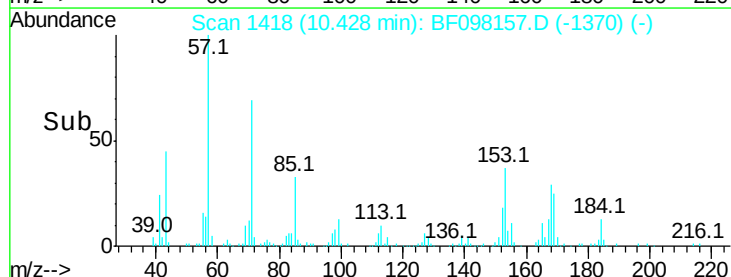
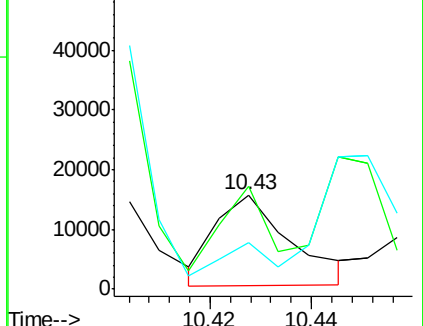
167 49.3 29.5 44.3#

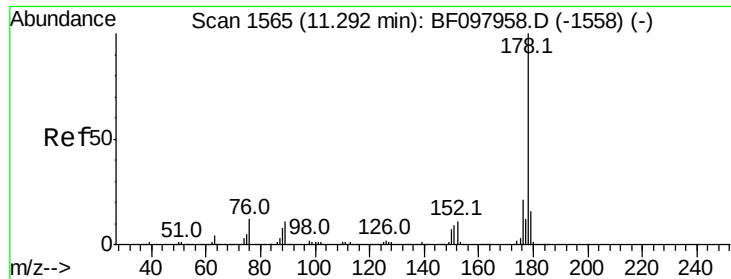


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

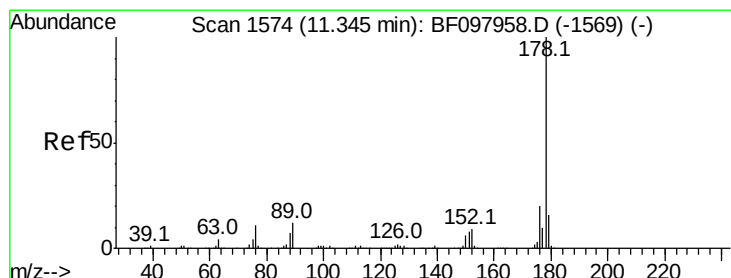
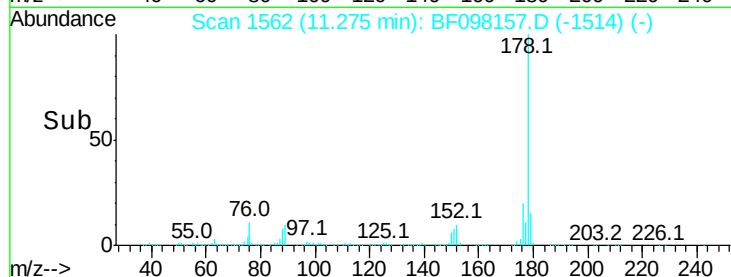
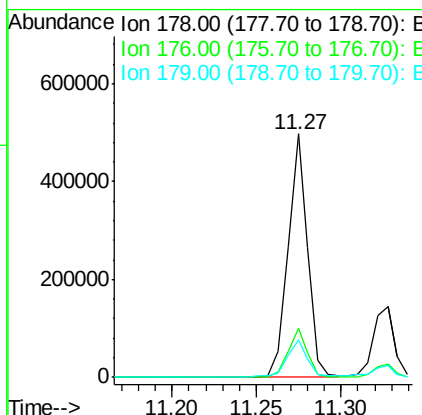
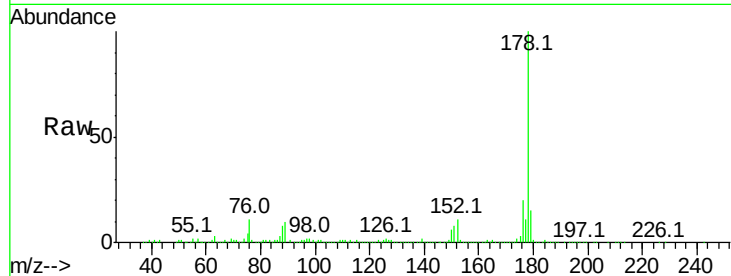




#70
Phenanthrene
Concen: 37.457 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098157.D
Acq: 30 Aug 2017 14:02

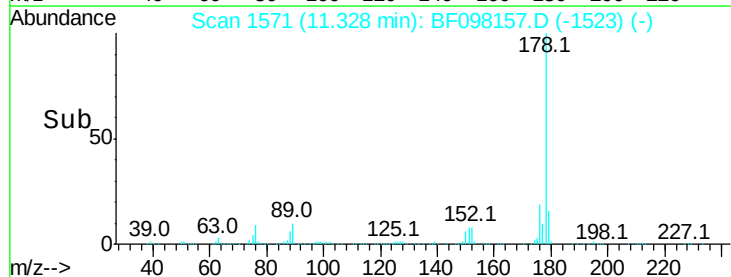
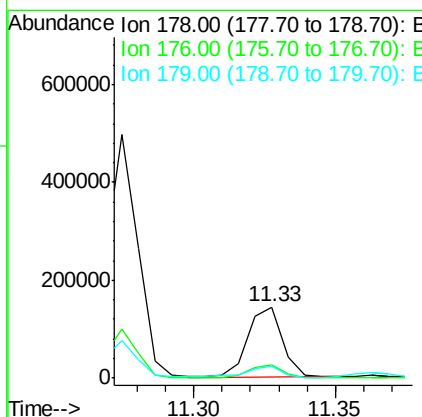
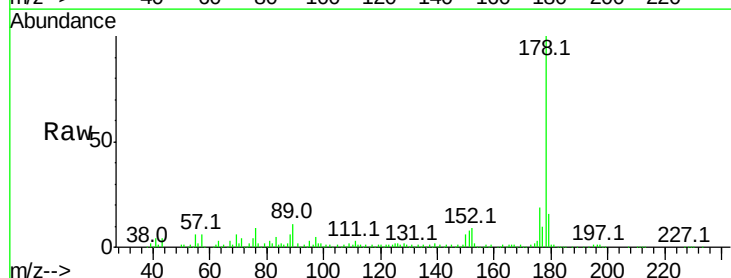
Instrument :
BNA_F
ClientSampleId :

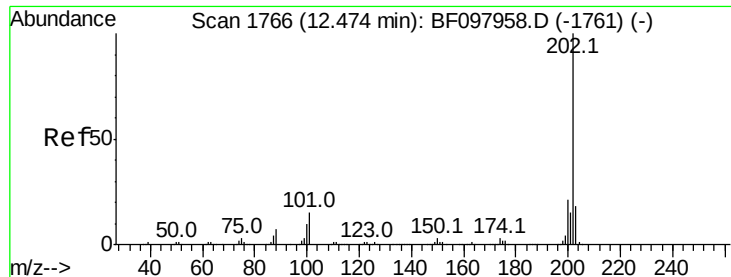
Tot Ion:178 Resp: 397862
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 11.270 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF098157.D
Acq: 30 Aug 2017 14:02

Tgt Ion:178 Resp: 121411
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.9 12.7 19.1





#74

Fluoranthene

Concen: 10.212 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

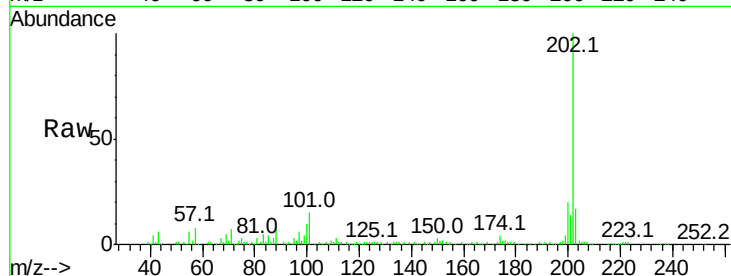
Tot Ion:202 Resp: 113211

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

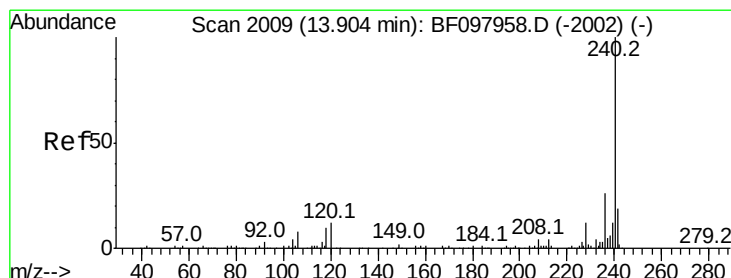
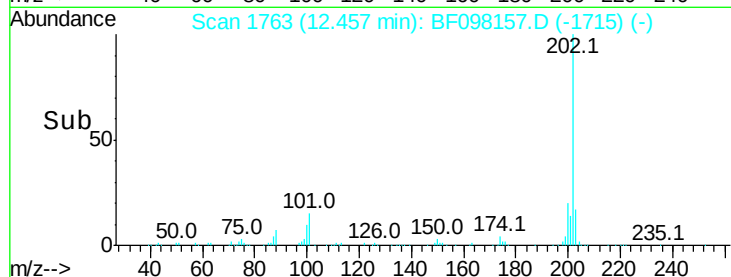
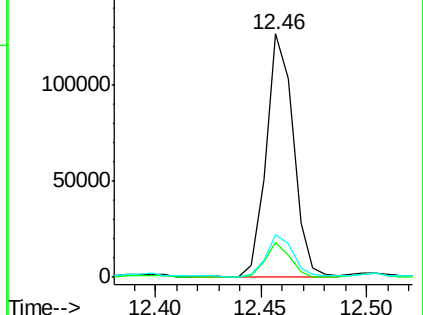
203 17.4 0.0 38.1



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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

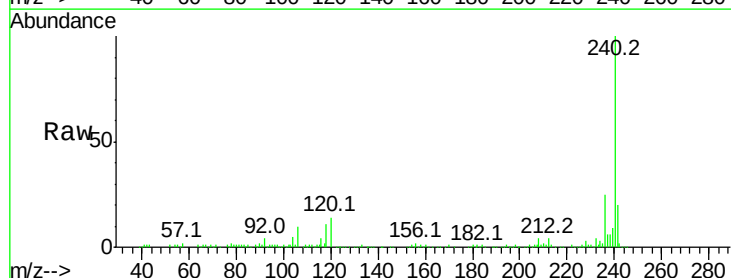
Tgt Ion:240 Resp: 162770

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

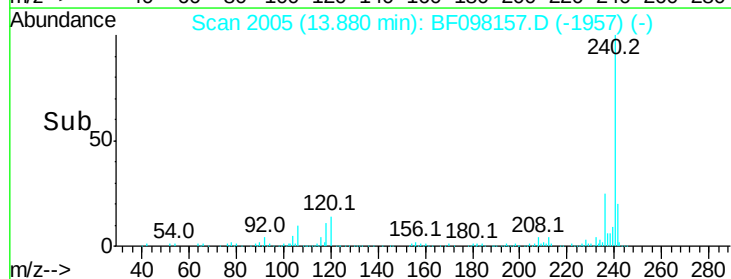
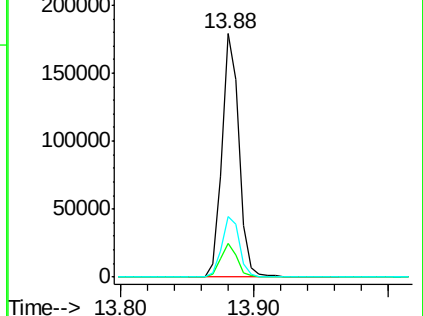
236 25.0 20.5 30.7

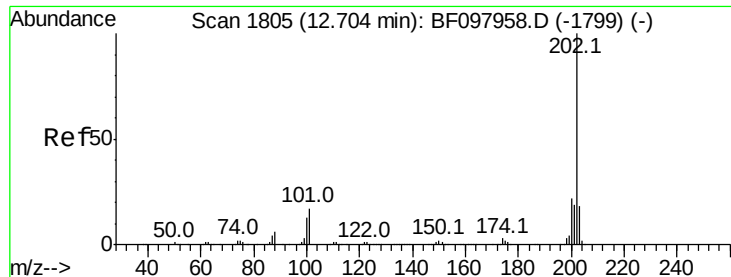


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.393 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

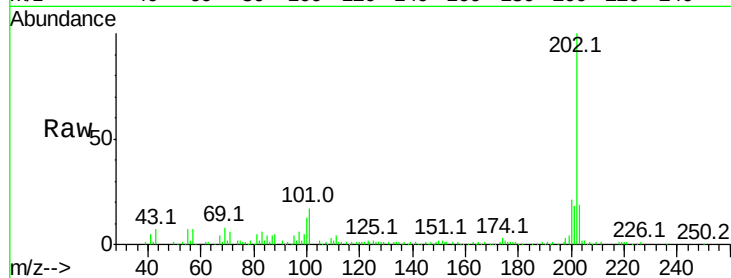
Tot Ion:202 Resp: 85102

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

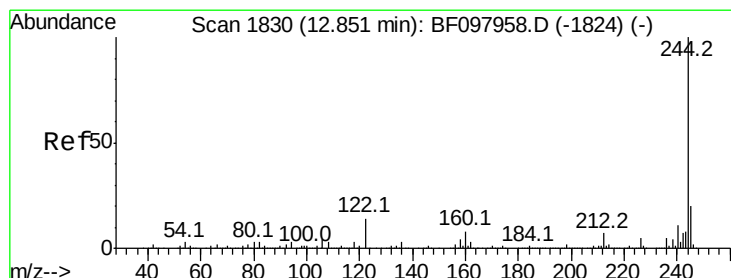
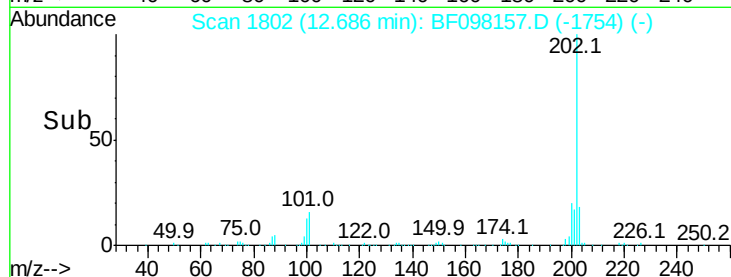
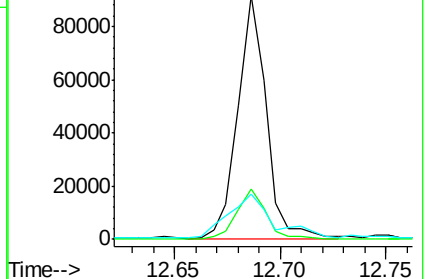
203 18.6 14.4 21.6



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: 0.713 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

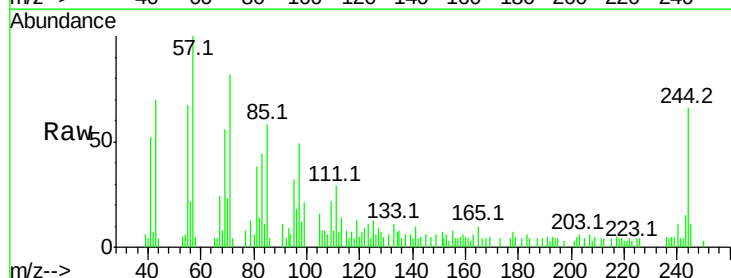
Tgt Ion:244 Resp: 5563

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

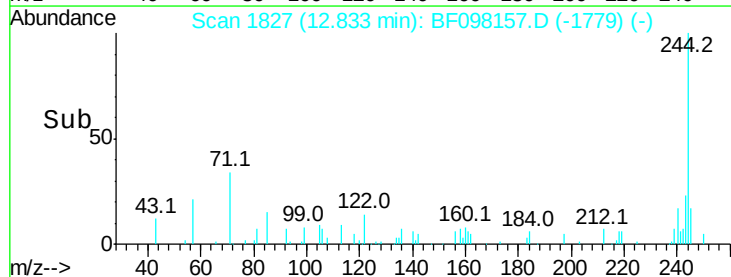
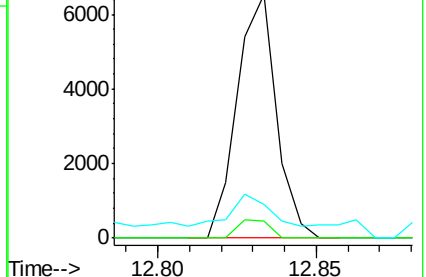
122 13.9 10.3 15.5

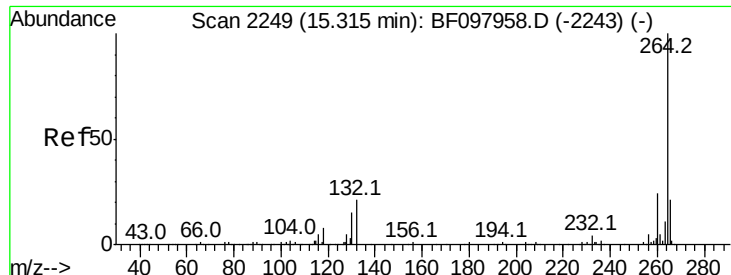


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

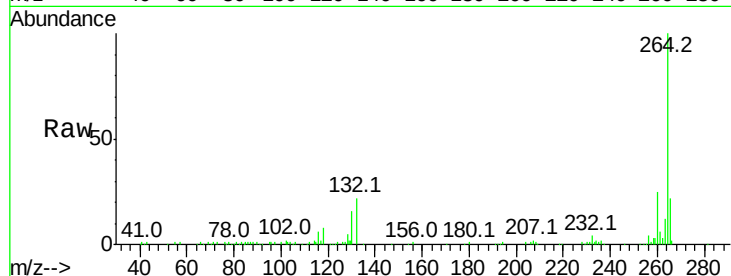




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF098157.D
Acq: 30 Aug 2017 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.9	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

