

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098439.D
 Acq On : 12 Sep 2017 8:51
 Operator : SJ/JU
 Sample : I5151-04DL 250X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 11:38:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	222459	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	904901	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	366217	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	534702	20.00	ng	0.00
75) Chrysene-d12	13.82	240	376940	20.00	ng	0.00
86) Perylene-d12	15.22	264	380107	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	5258	0.35	ng	0.02
7) Phenol-d6	6.34	99	8328	0.44	ng	0.02
23) Nitrobenzene-d5	7.24	82	4470	0.28	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	442	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	9857	0.46	ng	-0.01
78) Terphenyl-d14	12.76	244	5686	0.33	ng	0.00

Target Compounds

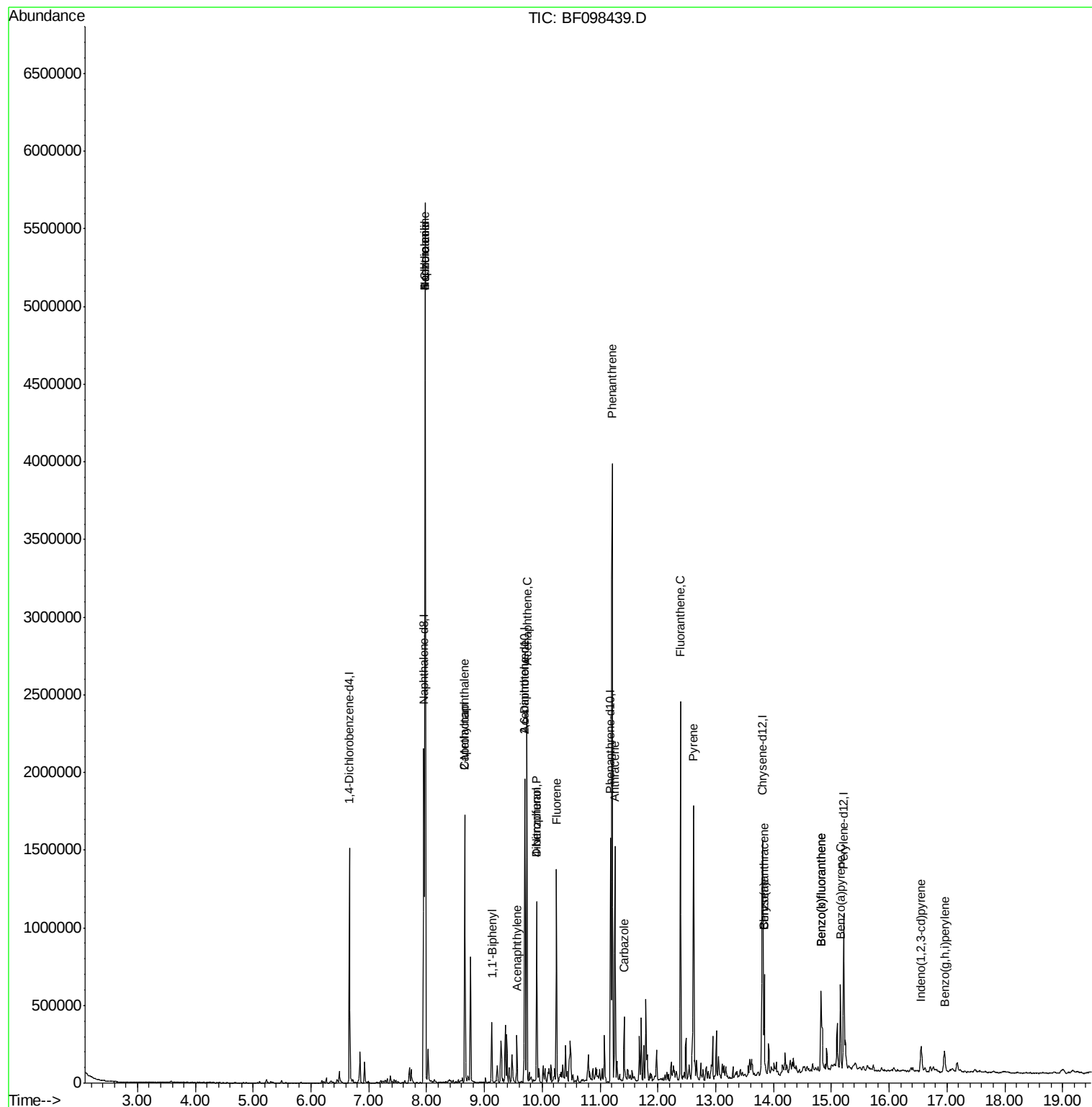
						Qvalue
31) Naphthalene	7.97	128	2463222	55.063	ng	98
32) Benzoic acid	7.97	122	6016	8.495	ng	# 1
33) 4-Chloroaniline	7.97	127	342205	18.823	ng	# 32
35) Caprolactam	8.66	113	9505	2.329	ng	# 1
37) 2-Methylnaphthalene	8.66	142	407711	15.046	ng	99
45) 1,1'-Biphenyl	9.13	154	122391	3.734	ng	98
48) Acenaphthylene	9.56	152	87198	2.505	ng	96
50) 2,6-Dinitrotoluene	9.70	165	54276	9.321	ng	# 34
51) Acenaphthene	9.73	154	449482	20.315	ng	98
54) Dibenzofuran	9.90	168	375753	12.891	ng	97
55) 4-Nitrophenol	9.90	139	146521	36.281	ng	# 27
57) Fluorene	10.25	166	332378	13.777	ng	99
70) Phenanthrene	11.21	178	1402976	49.494	ng	99
71) Anthracene	11.26	178	505014	17.353	ng	98
72) Carbazole	11.42	167	139641	5.148	ng	97
74) Fluoranthene	12.39	202	852323	30.036	ng	98
77) Pyrene	12.62	202	716133	24.083	ng	98
80) Benzo(a)anthracene	13.84	228	207189	9.375	ng	96
82) Chrysene	13.84	228	207189	9.275	ng	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	92024	5.872	ng	98
87) Benzo(b)fluoranthene	14.82	252	339464	14.203	ng	# 97
88) Benzo(k)fluoranthene	14.82	252	339464	15.214	ng	99
89) Benzo(a)pyrene	15.16	252	212646	9.987	ng	97
91) Benzo(g,h,i)perylene	16.96	276	86445	5.549	ng	95

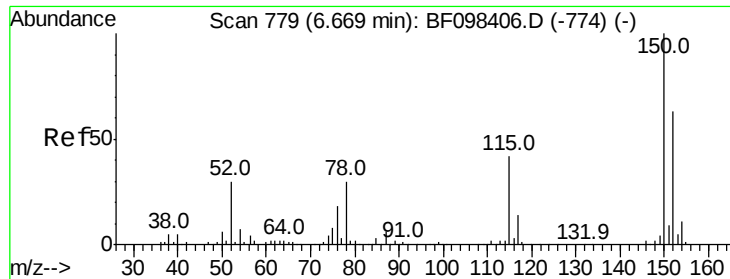
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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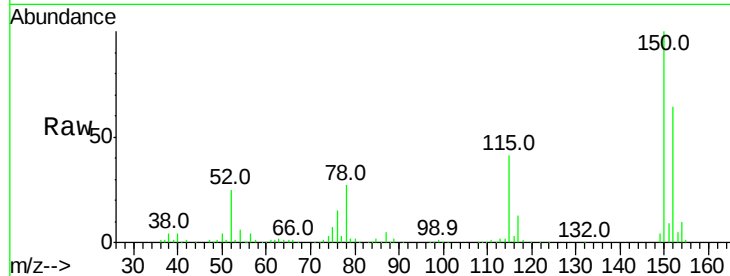




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 779
 Delta R.T. 0.00 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	64.2	52.2	78.2

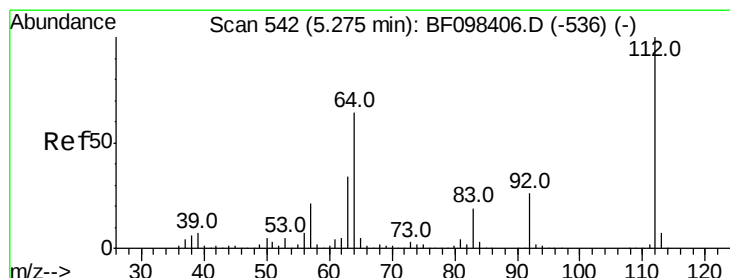
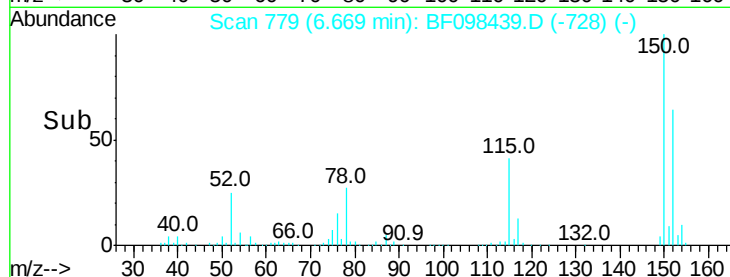
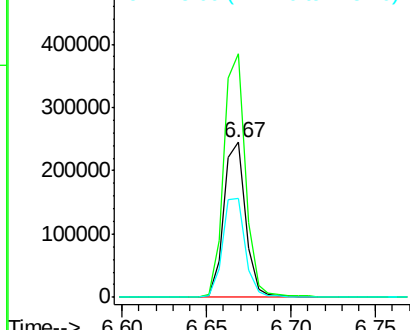


Abundance

Ion 152.00 (151.70 to 152.70): E

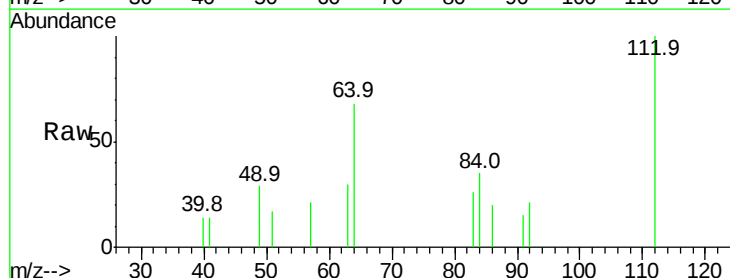
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.349 ng
 RT: 5.30 min Scan# 546
 Delta R.T. 0.02 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	46.0	69.0
63	30.1	23.4	35.0

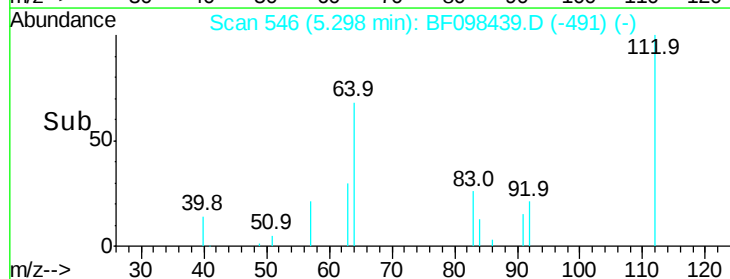
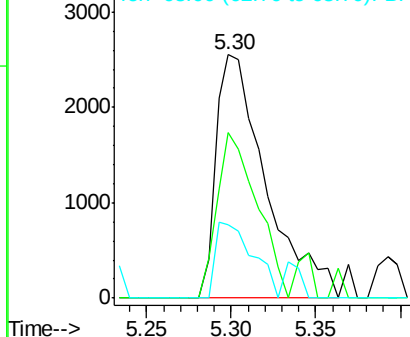


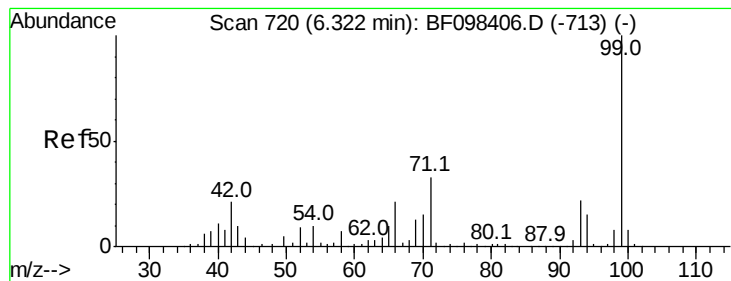
Abundance

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: 0.436 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

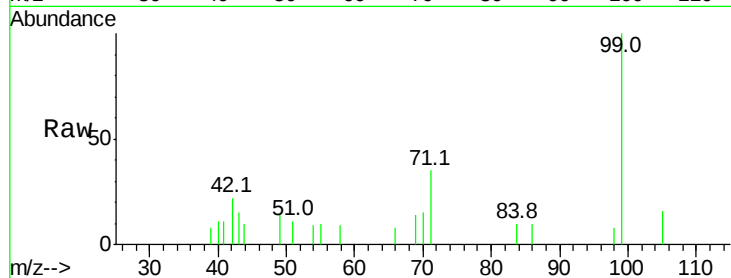
Tot Ion: 99 Resp: 8328

Ion Ratio Lower Upper

99 100

42 21.7 13.5 20.3#

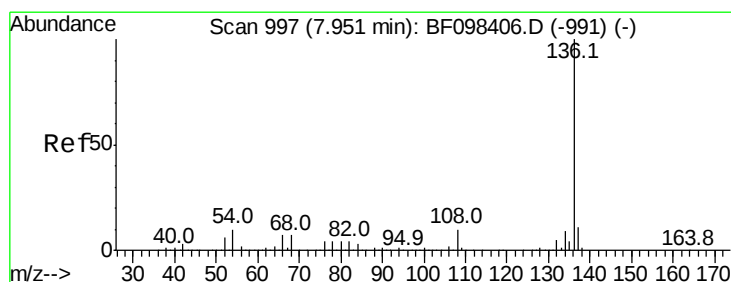
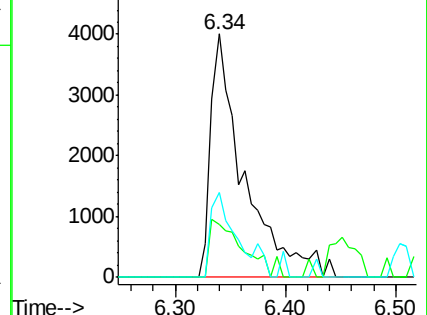
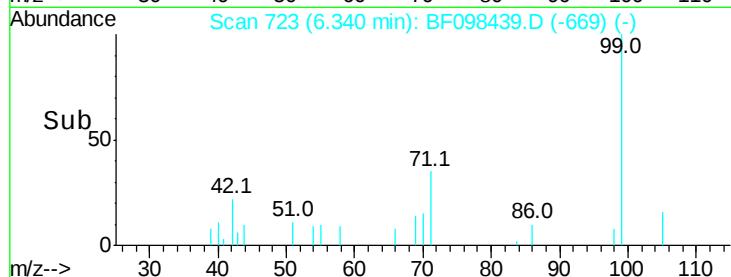
71 34.8 24.5 36.7



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: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Tgt Ion: 136 Resp: 904901

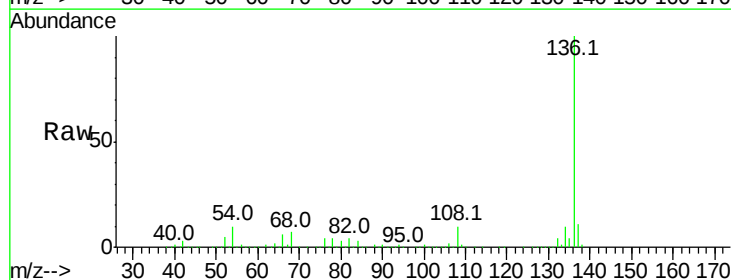
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.4 4.9 7.3#

68 7.3 4.1 6.1#

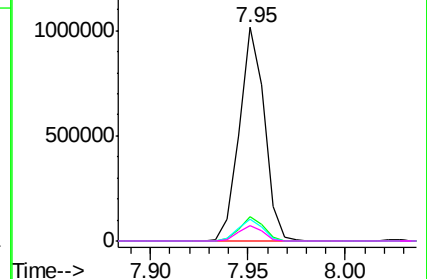
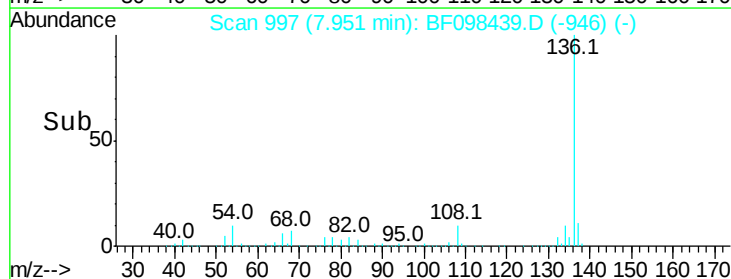


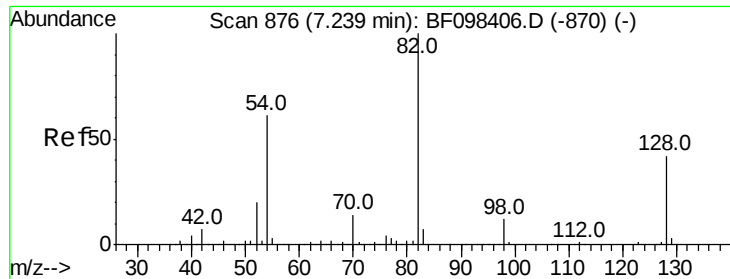
Abundance Ion 136.00 (135.70 to 136.70): E

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

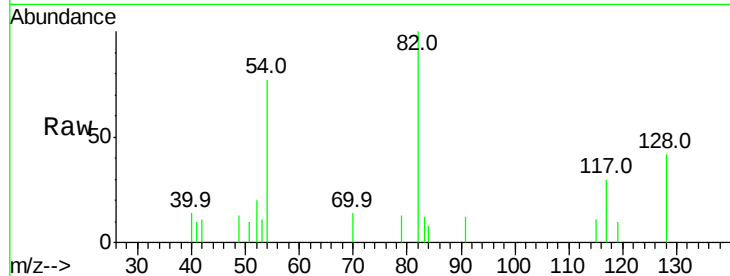




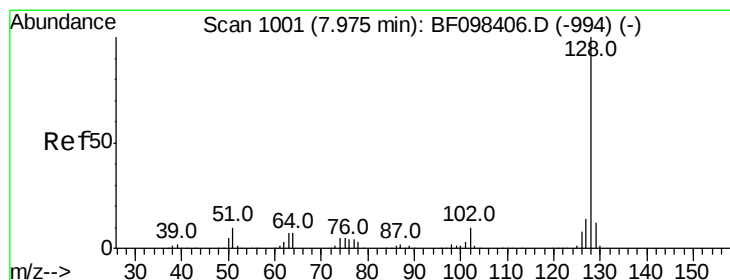
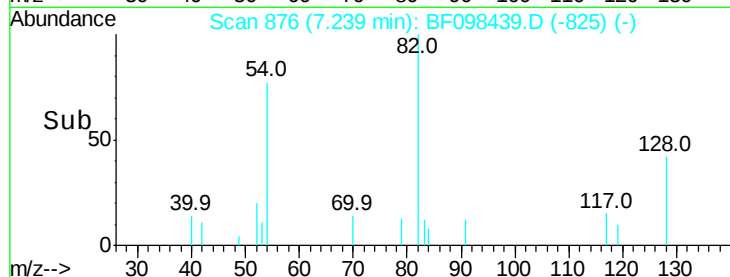
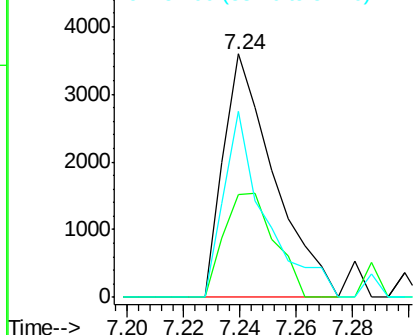
#23
Nitrobenzene-d5
Concen: 0.275 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 4470
Ion Ratio Lower Upper
82 100
128 42.1 34.0 51.0
54 76.5 42.2 63.2#

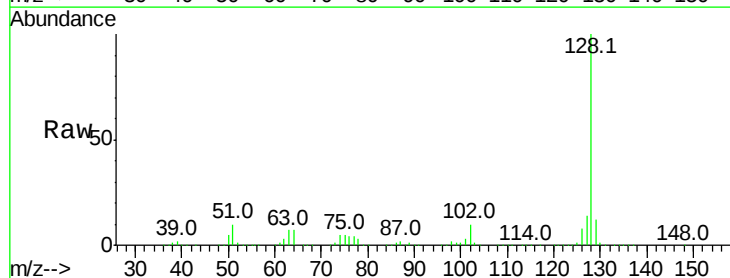


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

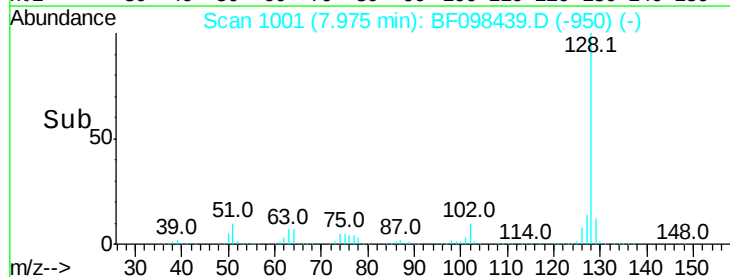
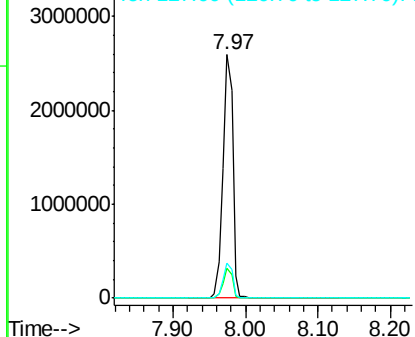


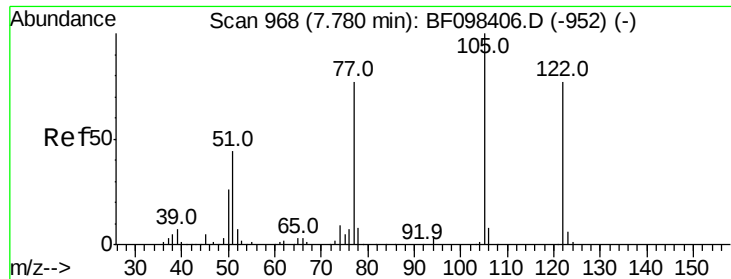
#31
Naphthalene
Concen: 55.063 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion:128 Resp: 2463222
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 14.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.495 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.19 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

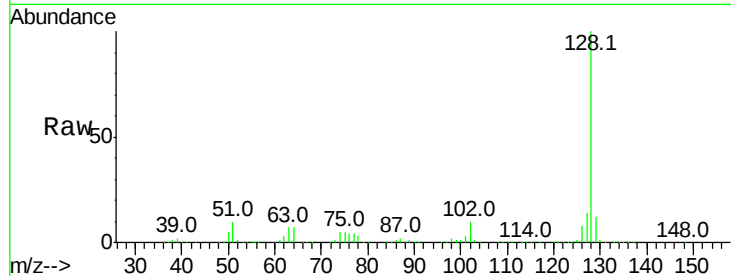
Tot Ion:122 Resp: 6016

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

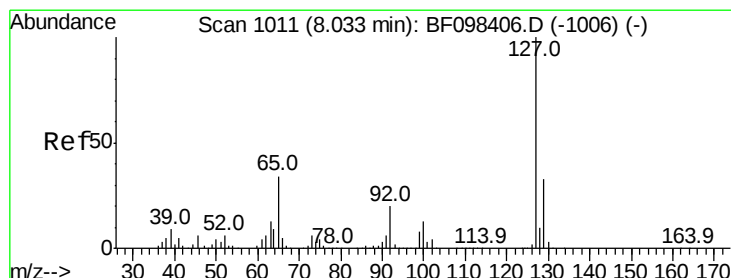
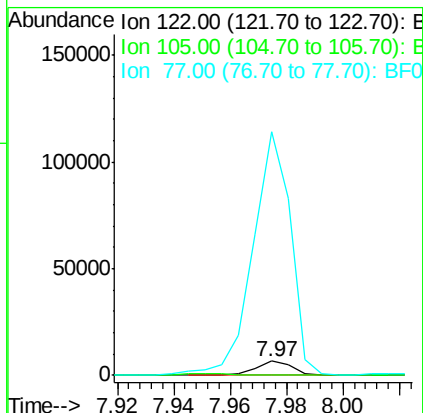
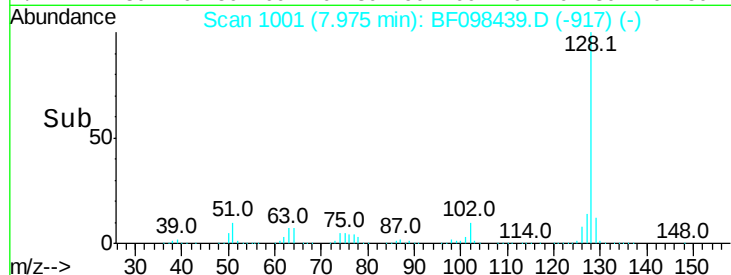
77 1700.8 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 18.823 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.06 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Tgt Ion:127 Resp: 342205

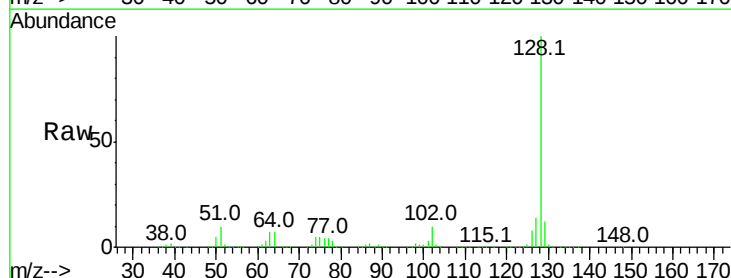
Ion Ratio Lower Upper

127 100

129 84.4 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

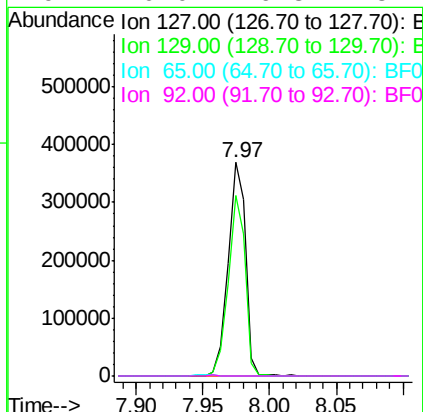
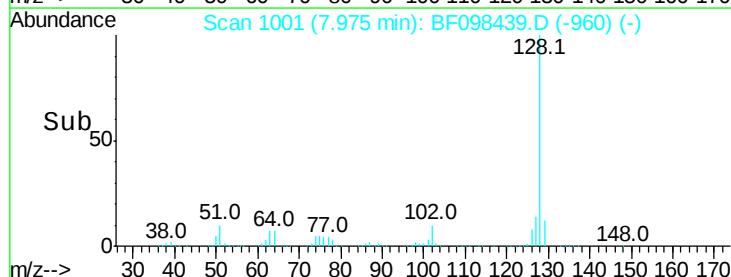


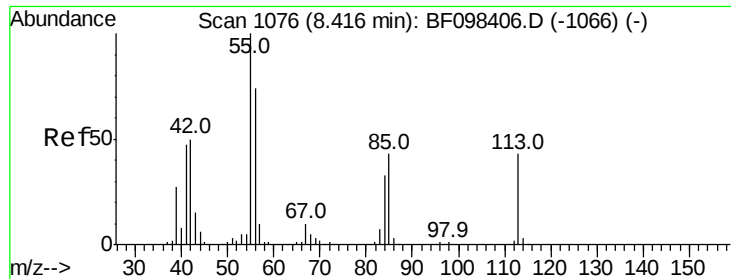
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

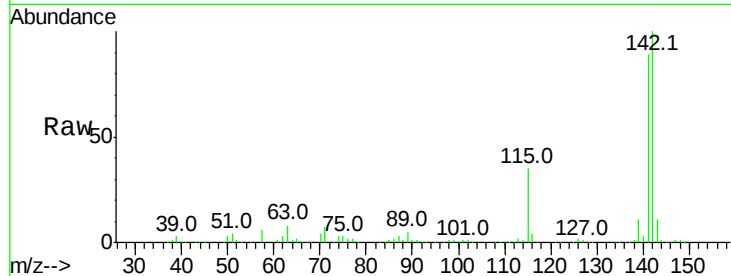




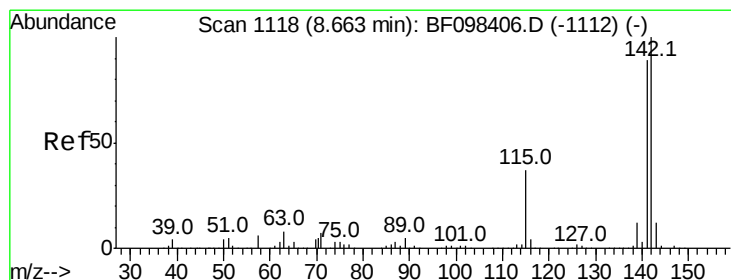
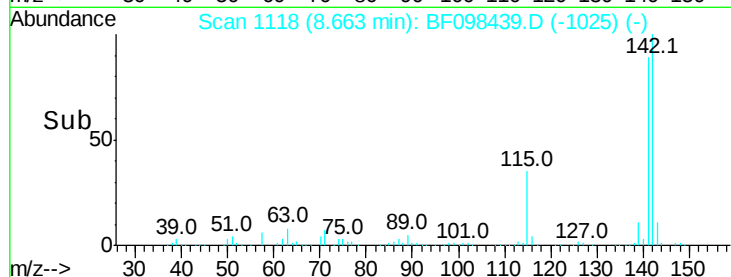
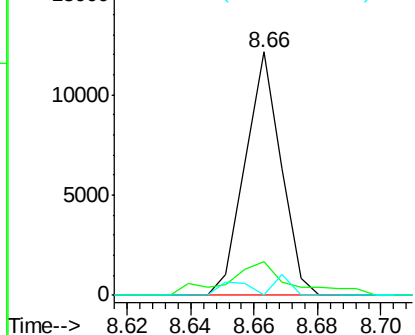
#35
 Caprolactam
 Concen: 2.329 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.25 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 9505
 Ion Ratio Lower Upper
 113 100
 55 13.6 150.2 190.2#
 56 0.0 107.8 147.8#

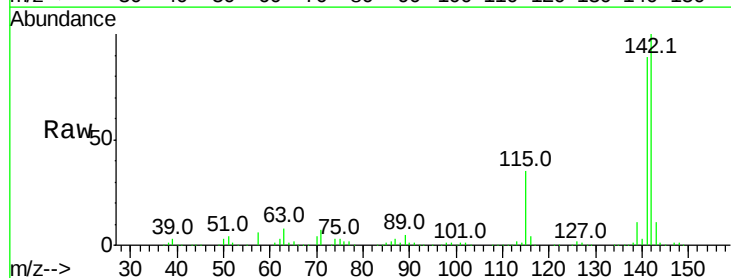


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

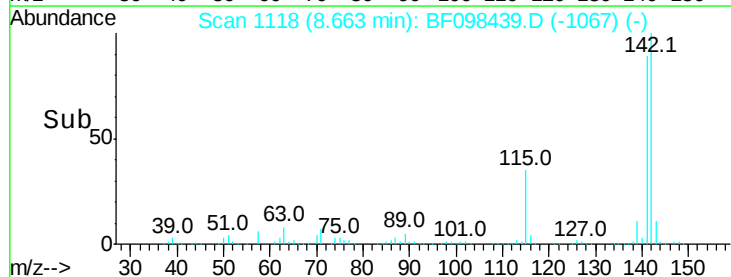
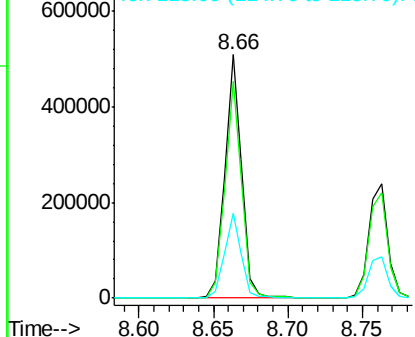


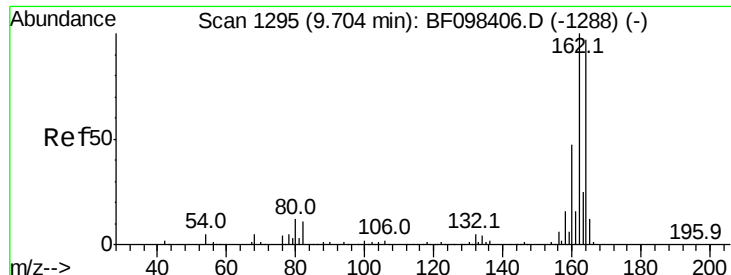
#37
 2-Methylnaphthalene
 Concen: 15.046 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion:142 Resp: 407711
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.3 106.9
 115 35.1 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

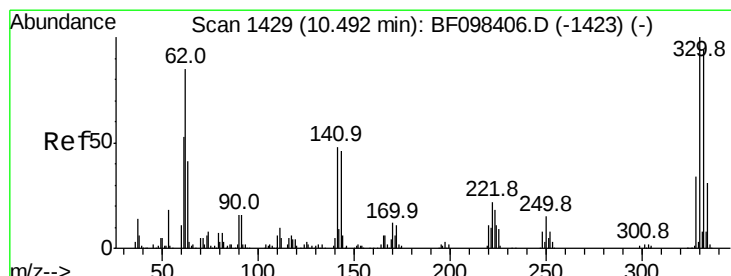
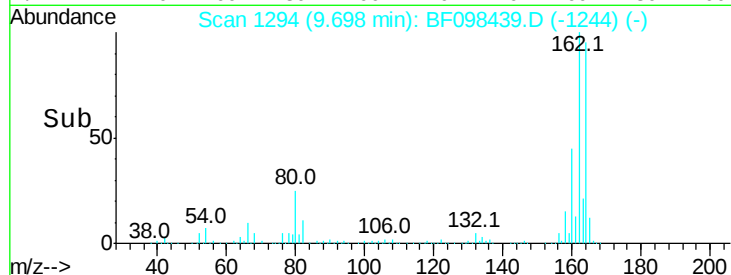
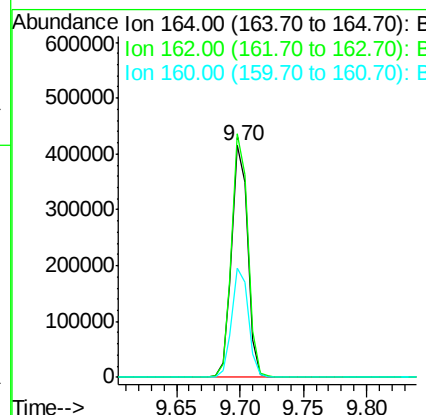
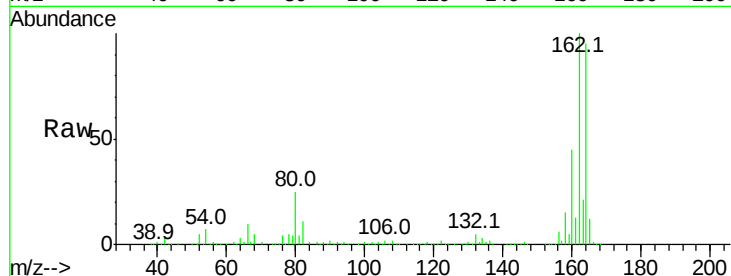




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

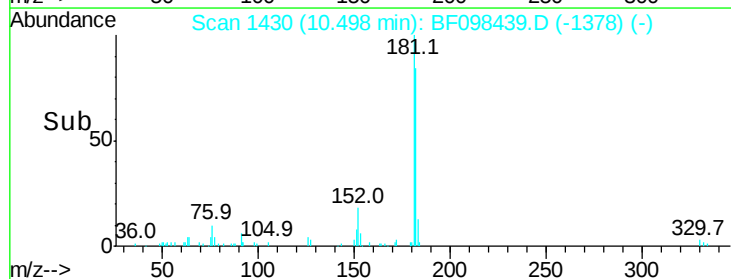
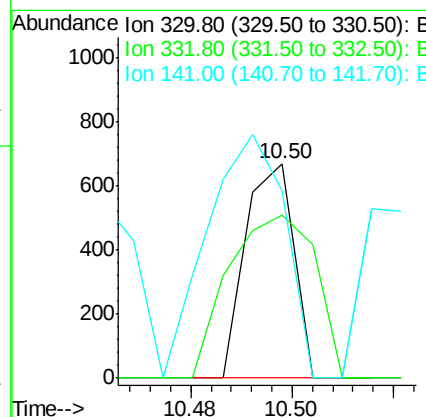
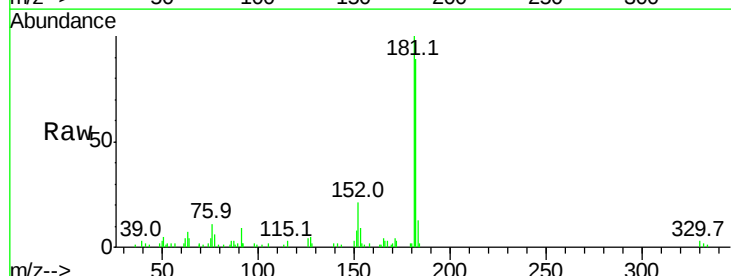
Instrument :
BNA_F
ClientSampled :

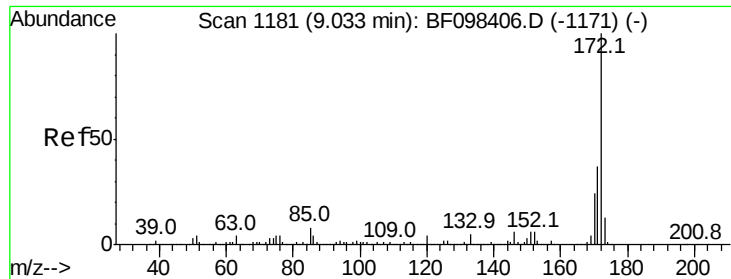
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	47.0	36.2	54.2



#41
2,4,6-Tribromophenol
Concen: 0.181 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	136.4	76.6	115.0#
141	182.8	31.4	47.2#

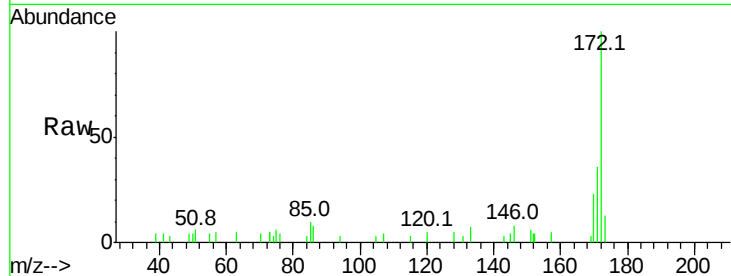




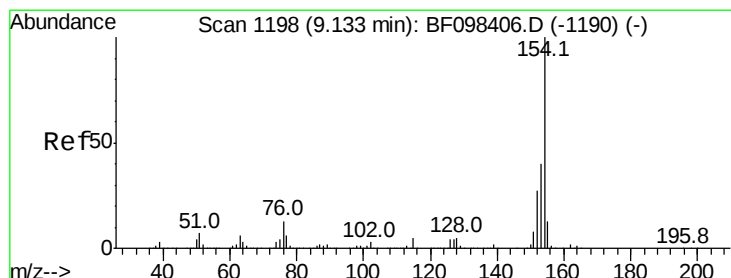
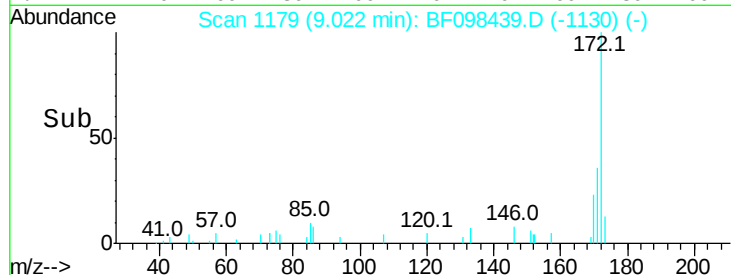
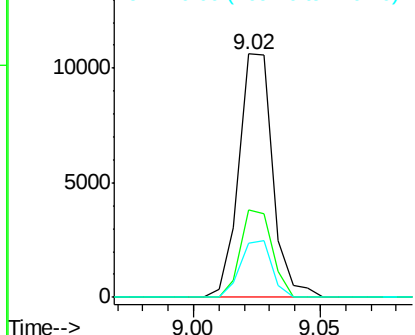
#44
2-Fluorobiphenyl
Concen: 0.456 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	22.5	19.8	29.8

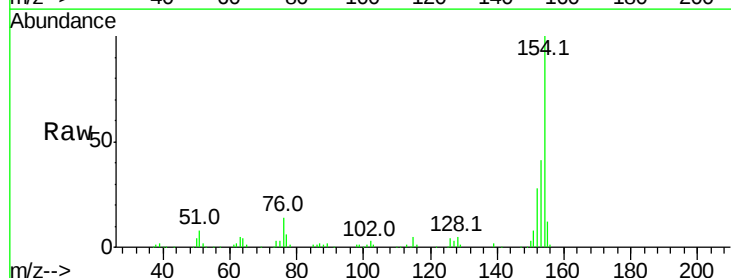


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

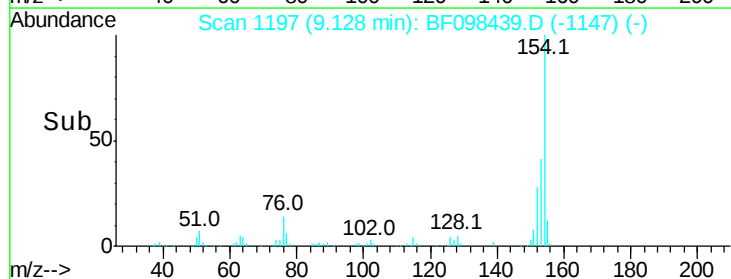
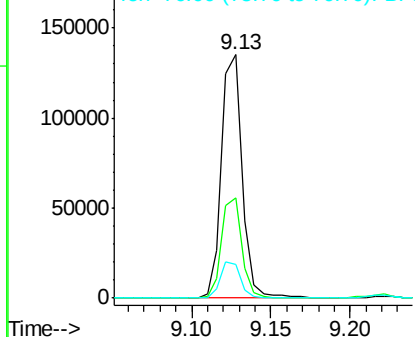


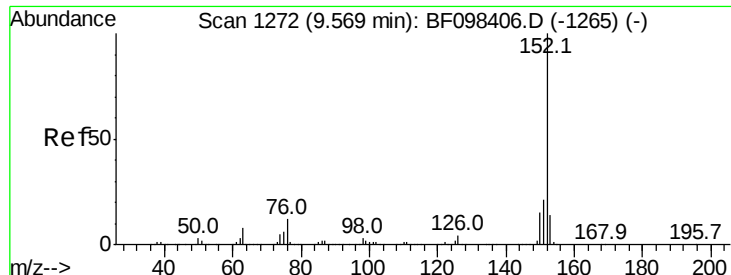
#45
1,1'-Biphenyl
Concen: 3.734 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	13.9	0.0	29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 2.505 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

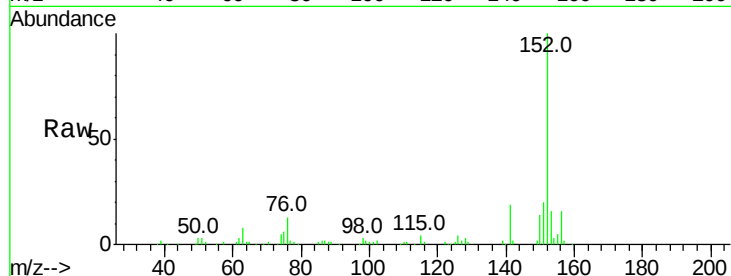
Tot Ion:152 Resp: 87198

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

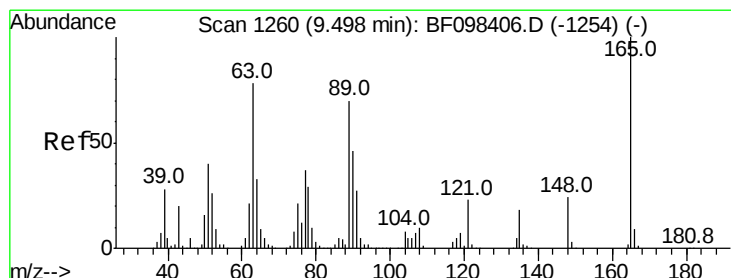
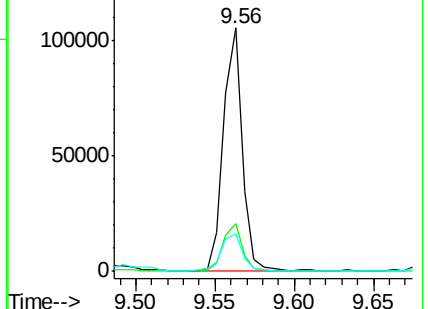
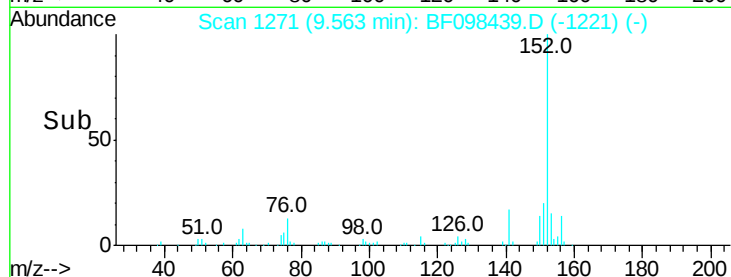
153 15.7 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.321 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.20 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

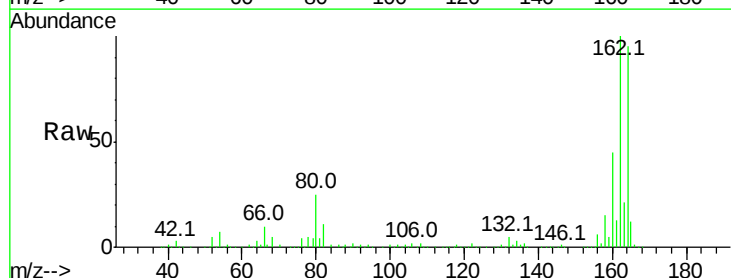
Tgt Ion:165 Resp: 54276

Ion Ratio Lower Upper

165 100

63 1.9 34.3 51.5#

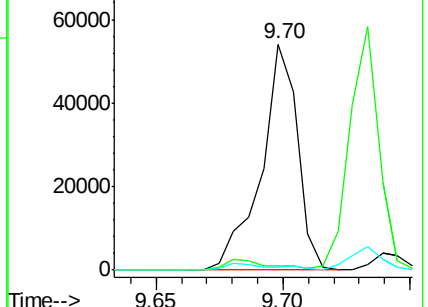
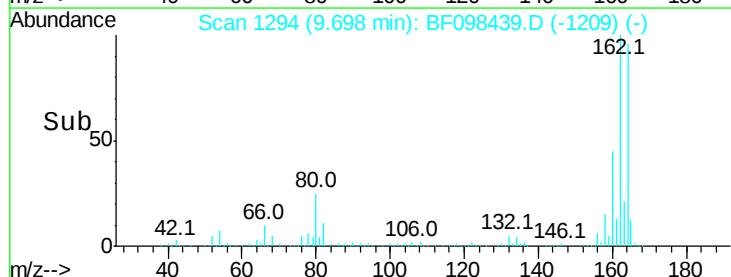
89 1.5 37.1 55.7#

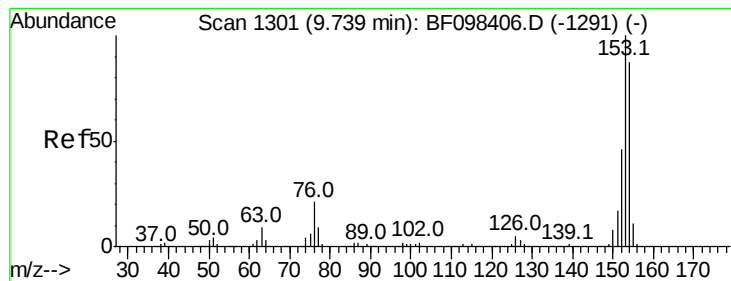


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.315 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

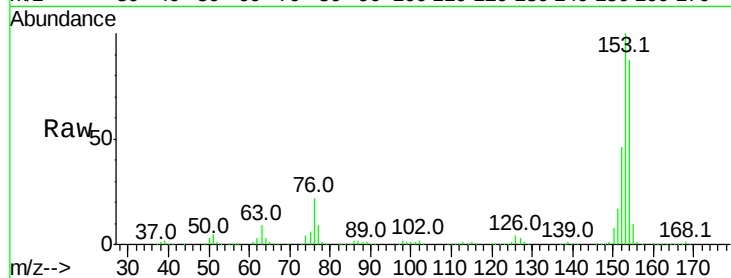
Tot Ion:154 Resp: 449482

Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

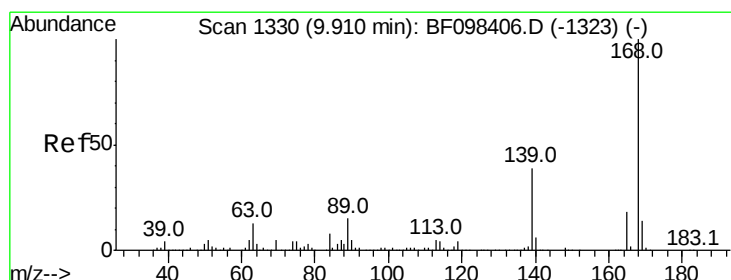
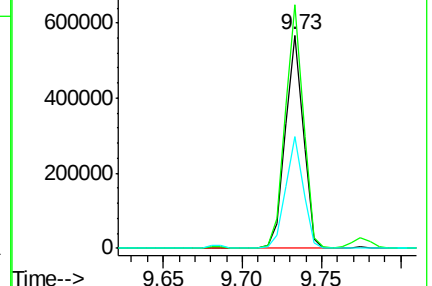
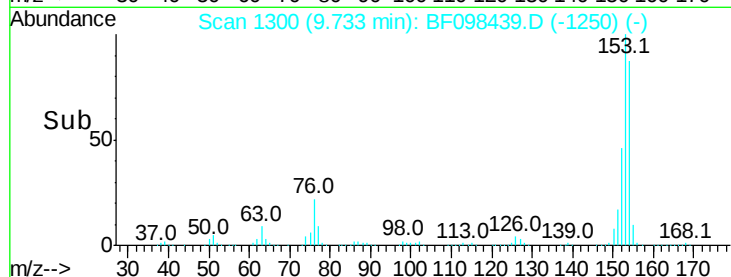
152 52.6 43.6 65.4



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



#54

Dibenzofuran

Concen: 12.891 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

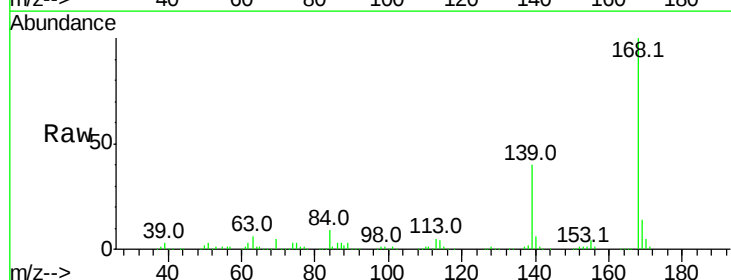
Tgt Ion:168 Resp: 375753

Ion Ratio Lower Upper

168 100

139 40.0 30.6 45.8

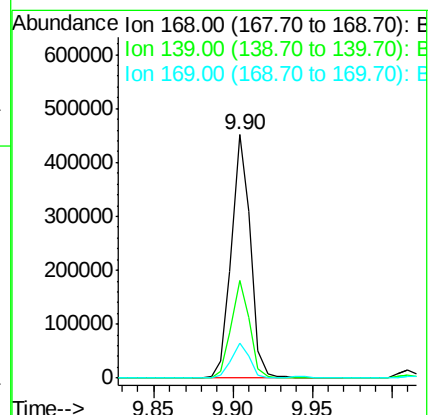
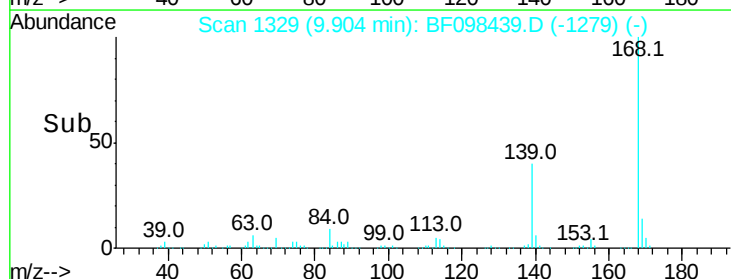
169 14.4 10.8 16.2

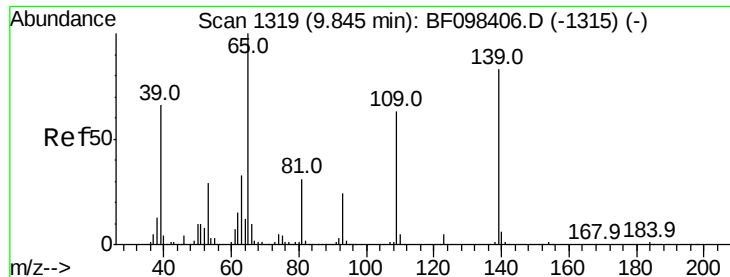


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

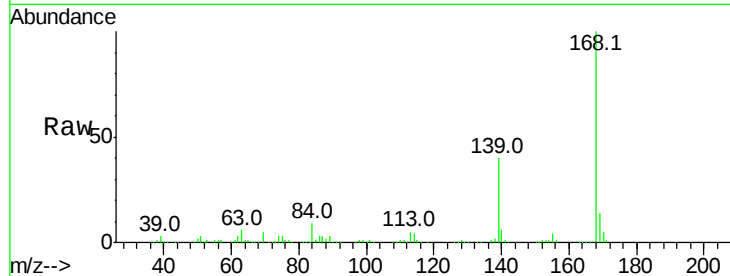




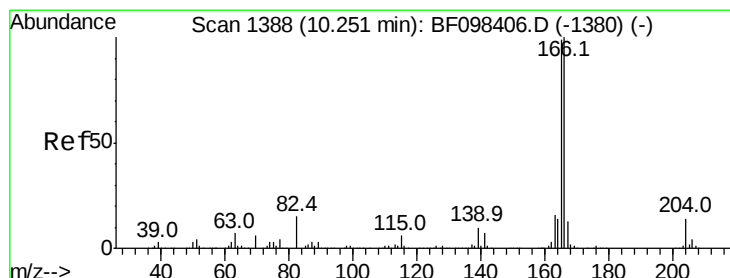
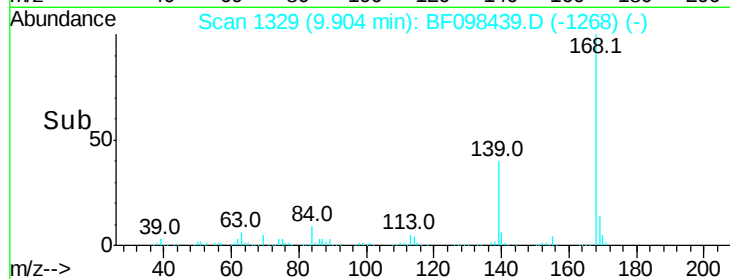
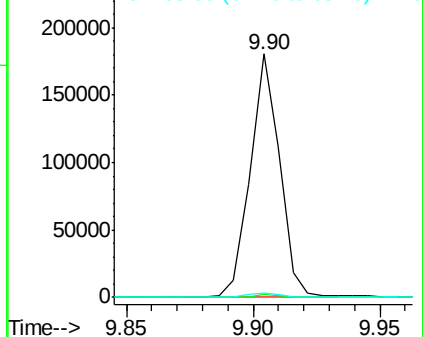
#55
4-Nitrophenol
Concen: 36.281 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.06 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.0	34.1	74.1#
65	1.7	31.4	71.4#

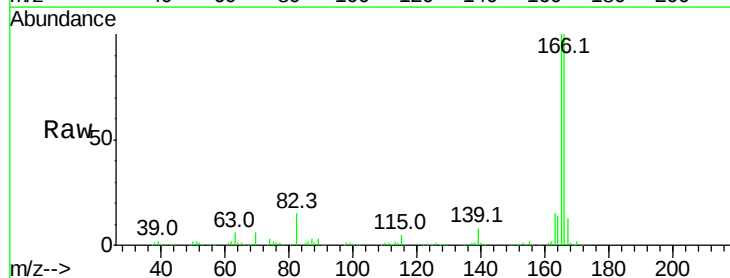


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

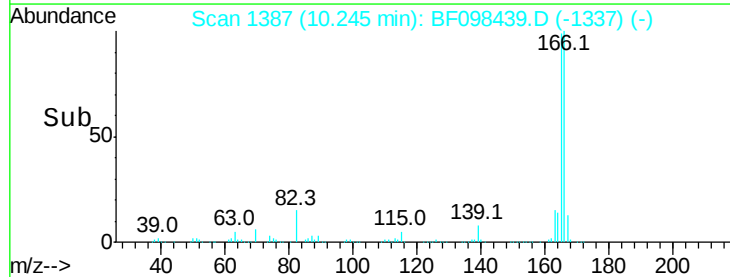
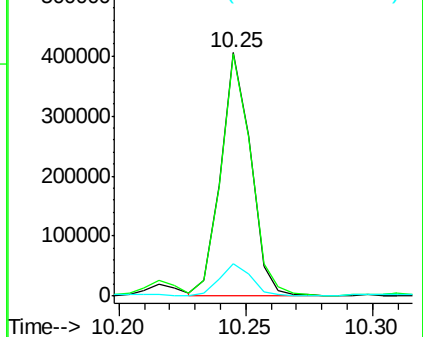


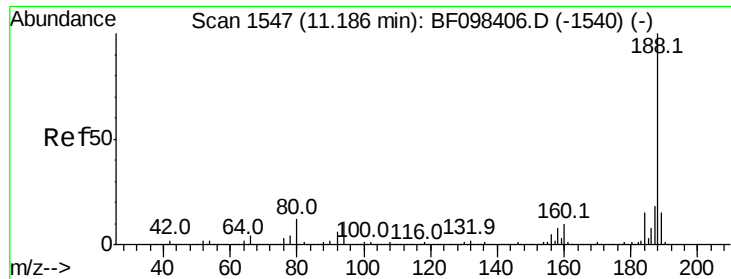
#57
Fluorene
Concen: 13.777 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.8	118.2
167	13.4	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

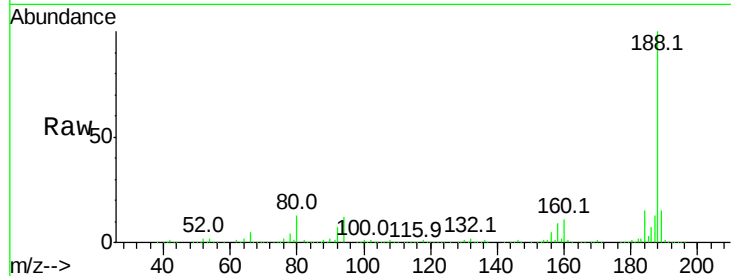




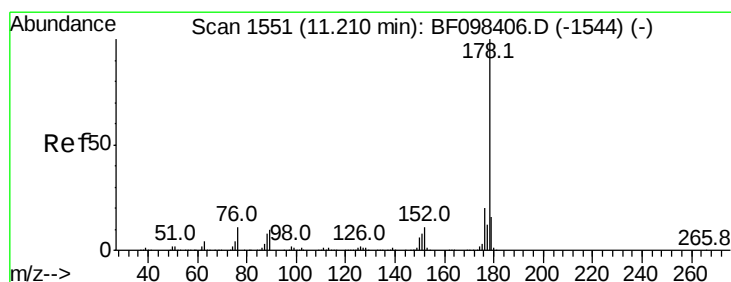
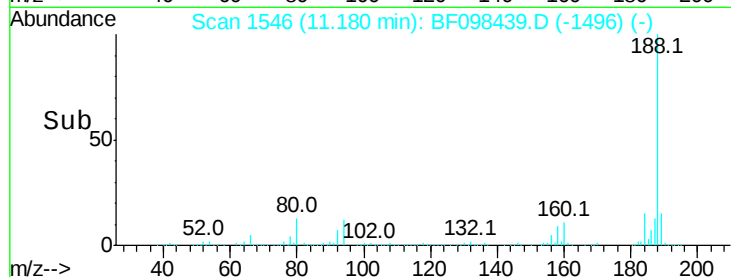
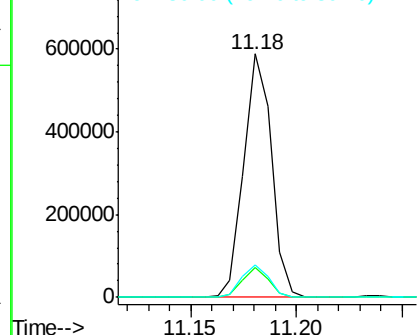
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 534702
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 13.3 10.2 15.2

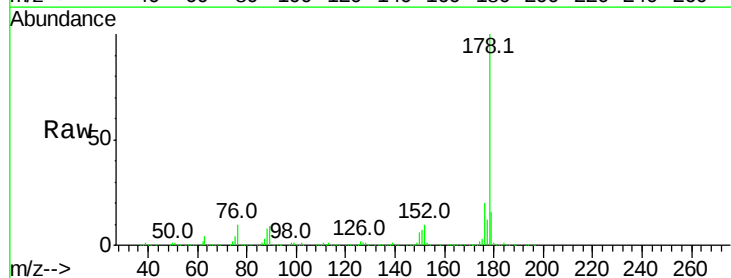


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

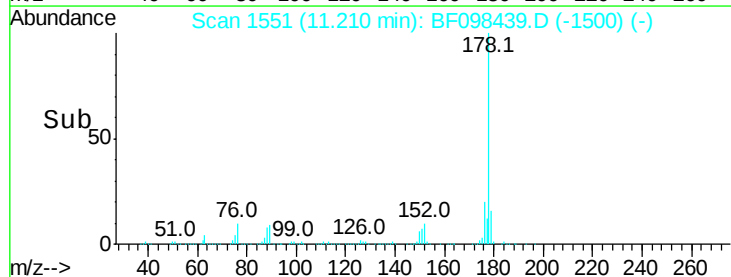
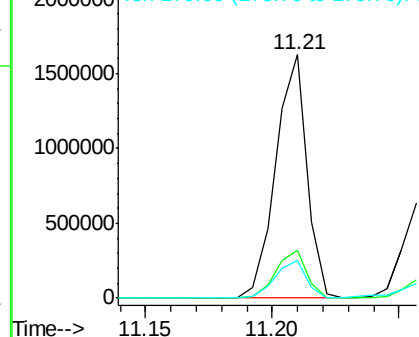


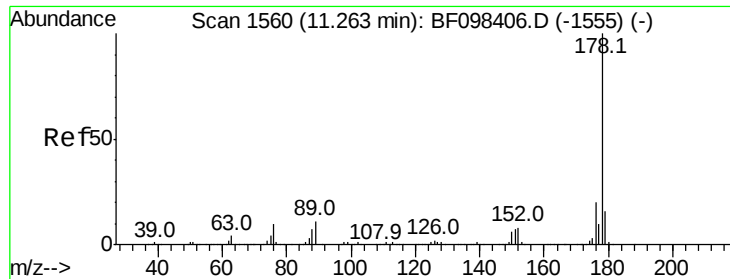
#70
Phenanthrene
Concen: 49.494 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion:178 Resp: 1402976
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 15.6 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

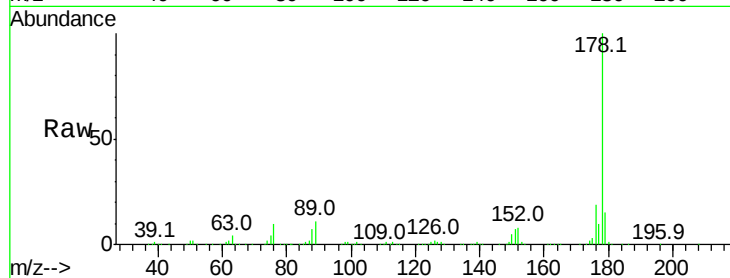




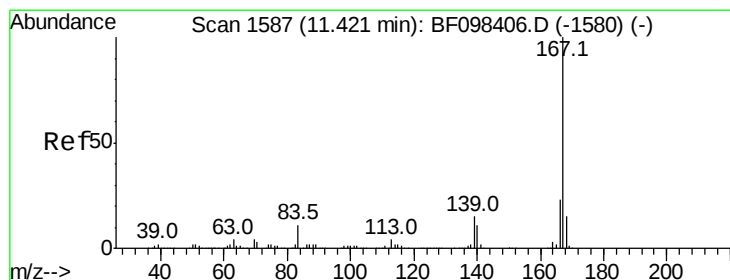
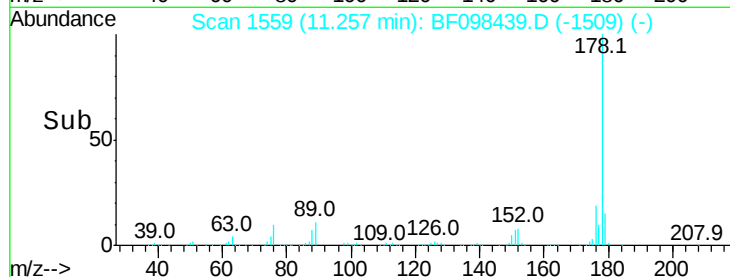
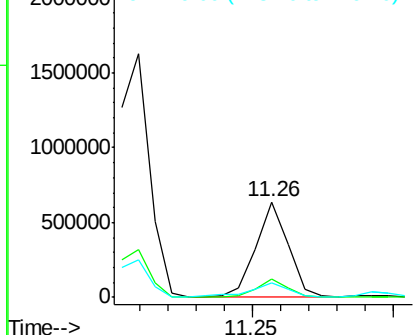
#71
 Anthracene
 Concen: 17.353 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 505014
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.4 12.7 19.1

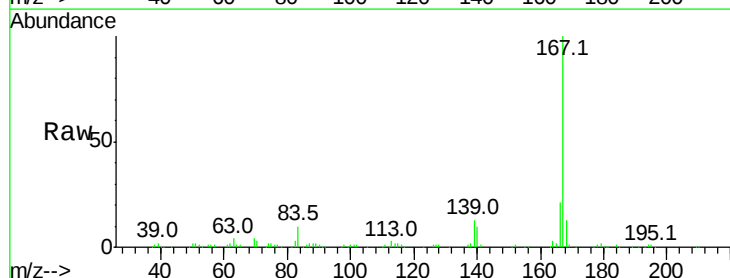


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

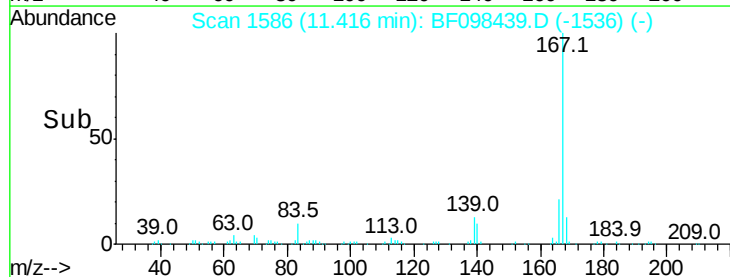
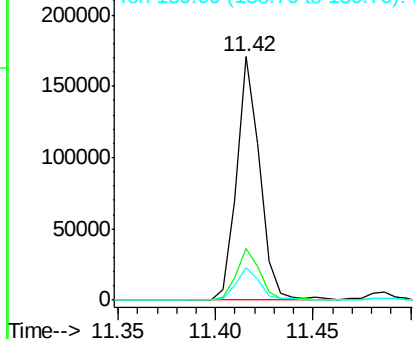


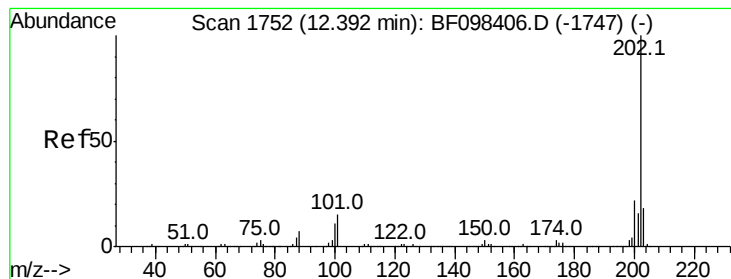
#72
 Carbazole
 Concen: 5.148 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion:167 Resp: 139641
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.1 27.1
 139 13.4 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 30.036 ng

RT: 12.39 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

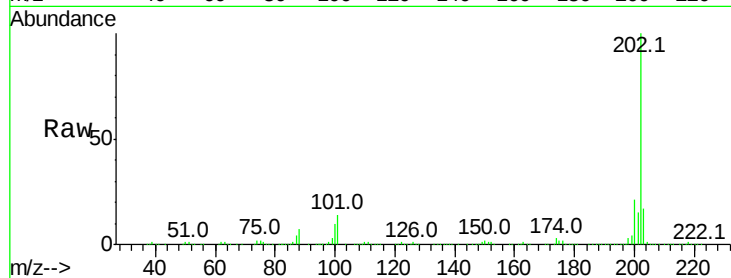
Tot Ion:202 Resp: 852323

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

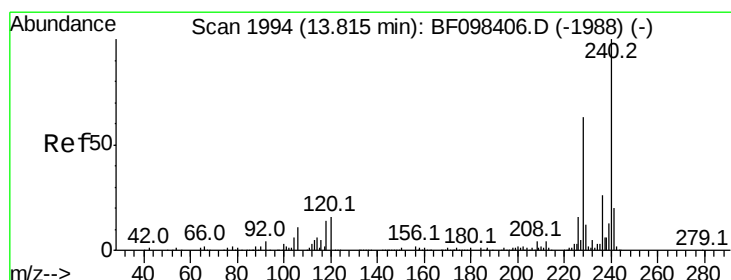
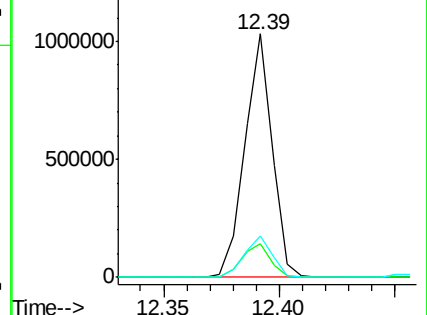
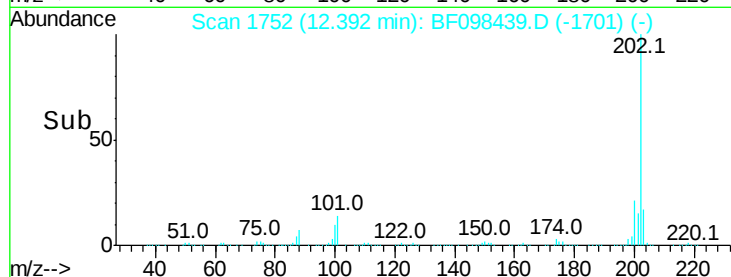
203 17.2 0.0 38.1



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: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

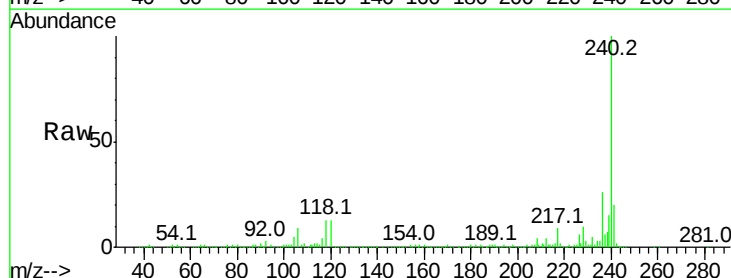
Tgt Ion:240 Resp: 376940

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

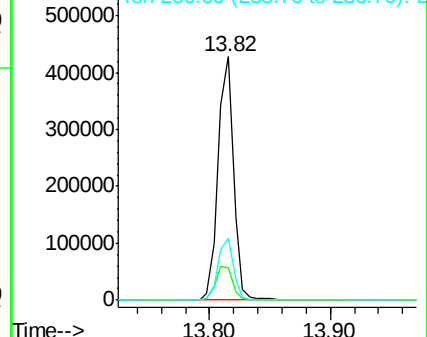
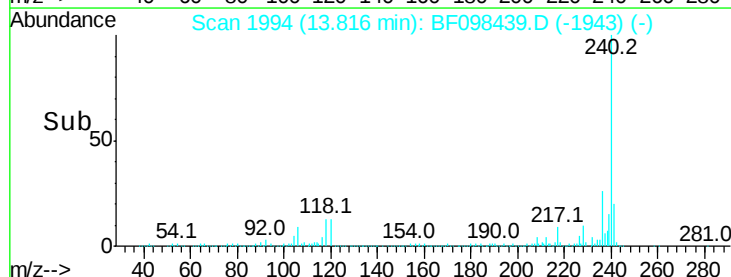
236 25.7 20.5 30.7

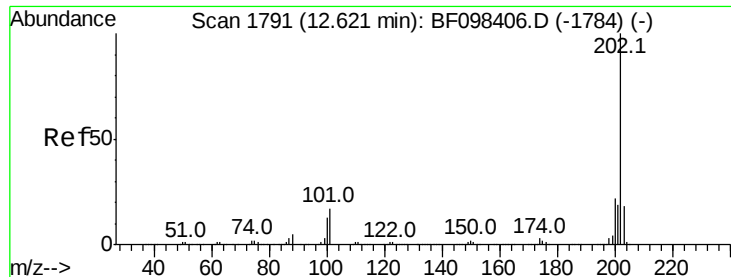


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.083 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

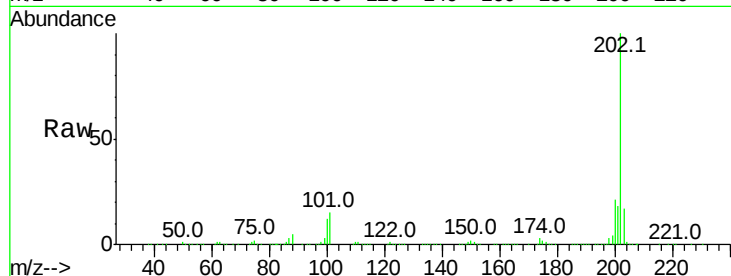
Tot Ion:202 Resp: 716133

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

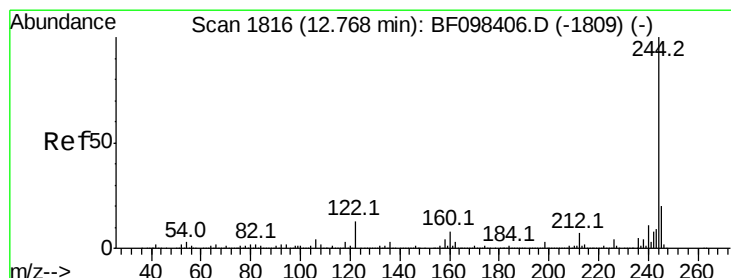
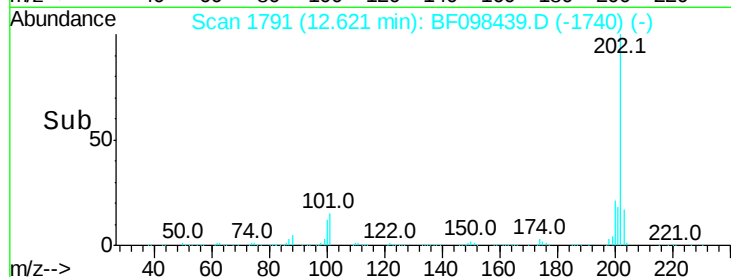
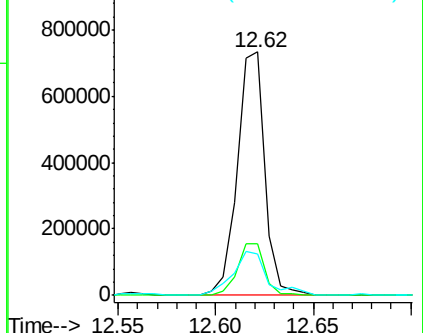
203 17.0 14.4 21.6



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: 0.326 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

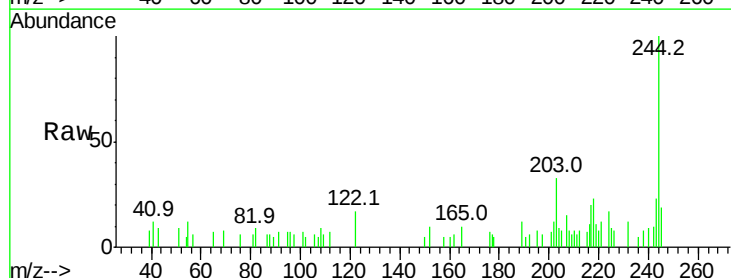
Tgt Ion:244 Resp: 5686

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

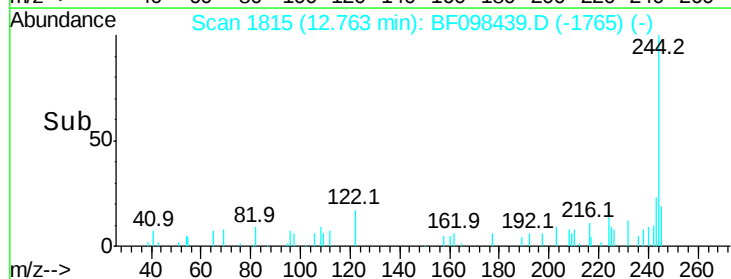
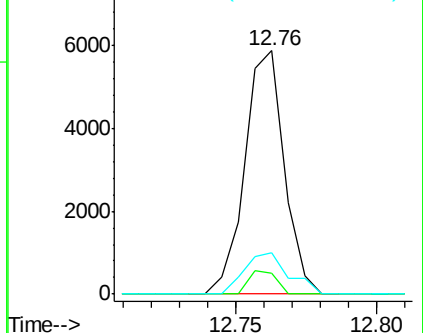
122 17.1 10.3 15.5#

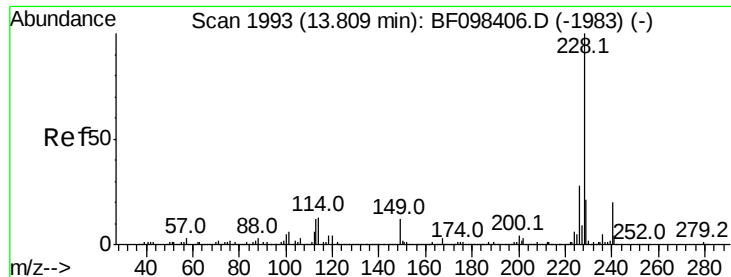


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.375 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.03 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

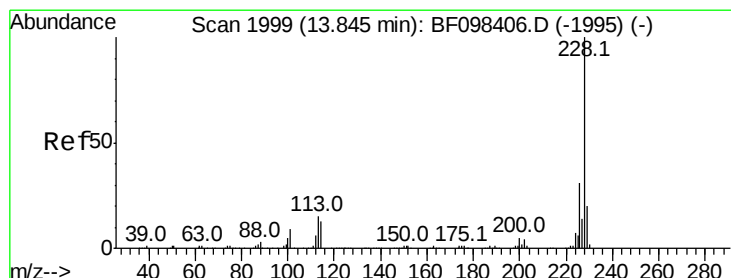
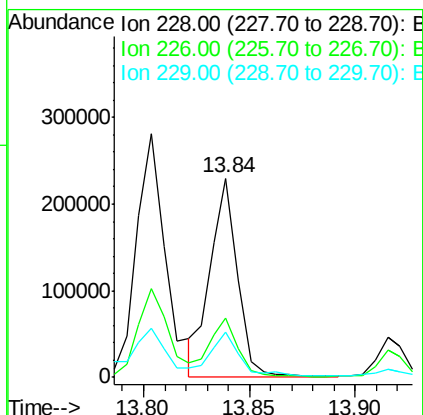
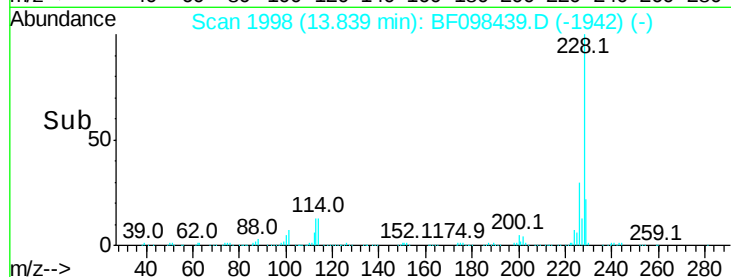
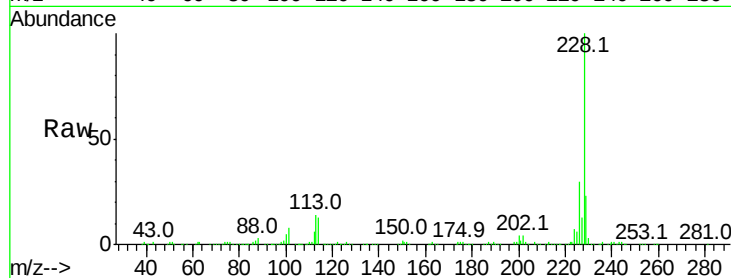
Tot Ion:228 Resp: 207189

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 22.6 16.3 24.5



#82

Chrysene

Concen: 9.275 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

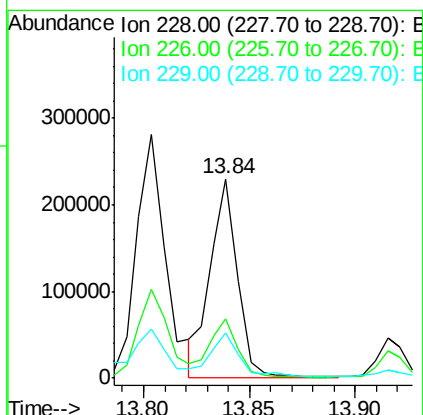
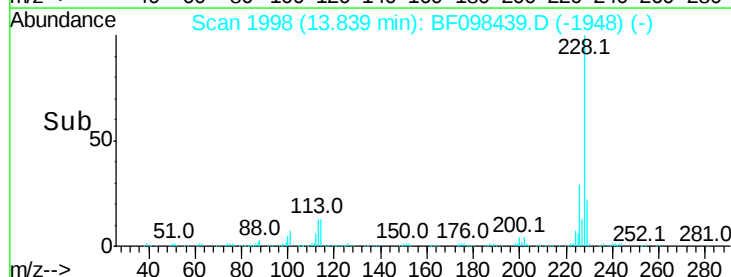
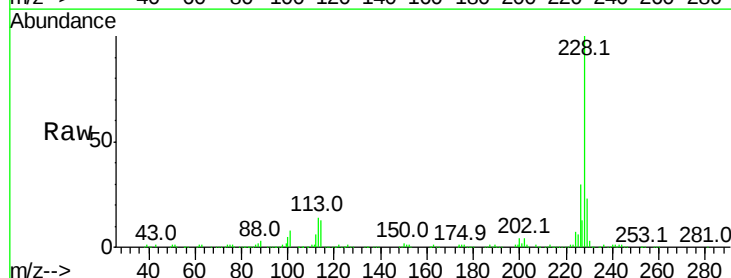
Tgt Ion:228 Resp: 207189

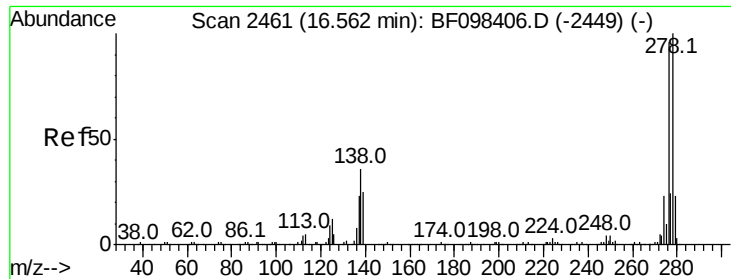
Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

229 22.6 15.8 23.6

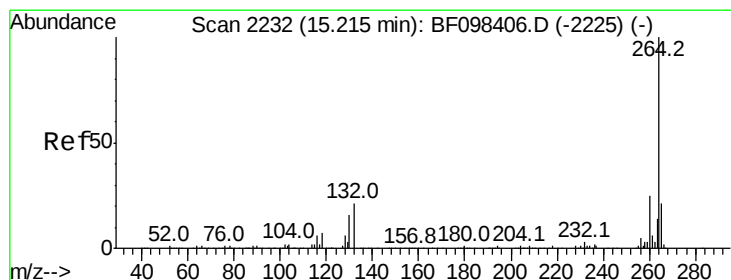
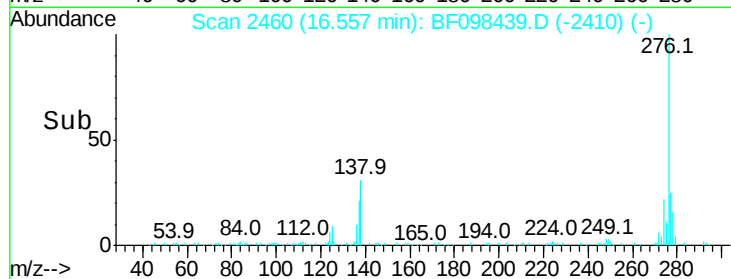
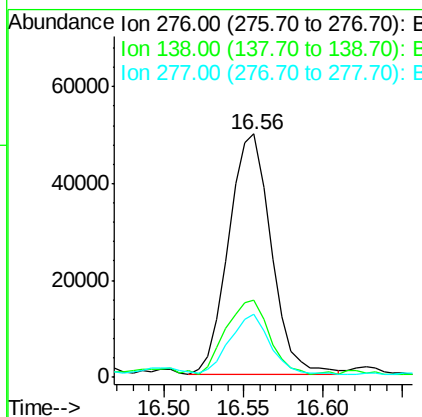
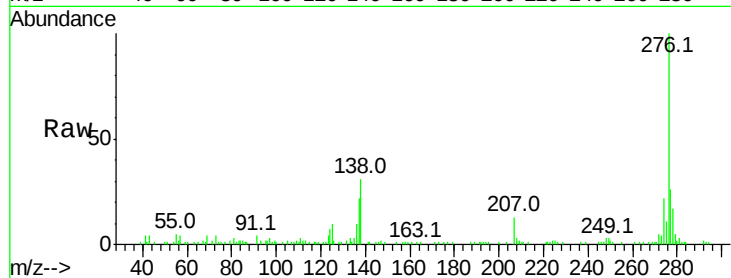




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.872 ng
 RT: 16.56 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

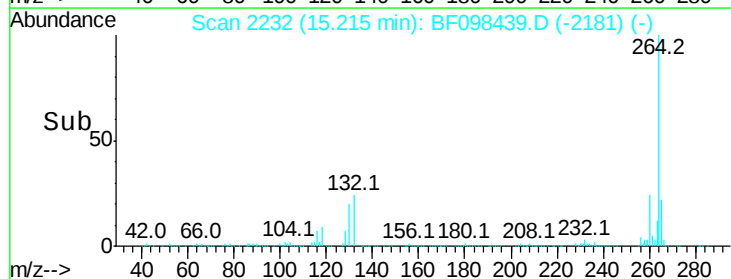
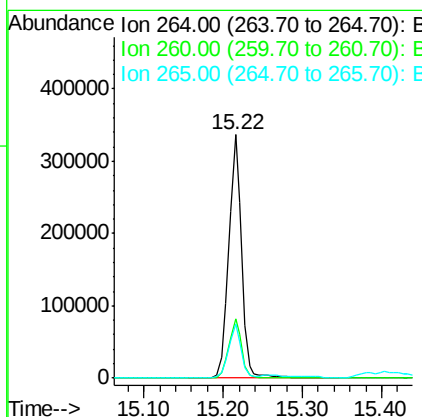
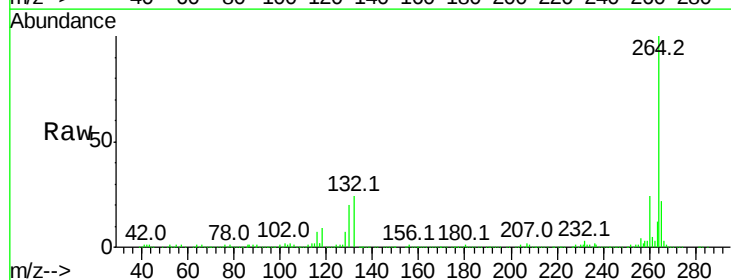
Instrument :
 BNA_F
 ClientSampleId :

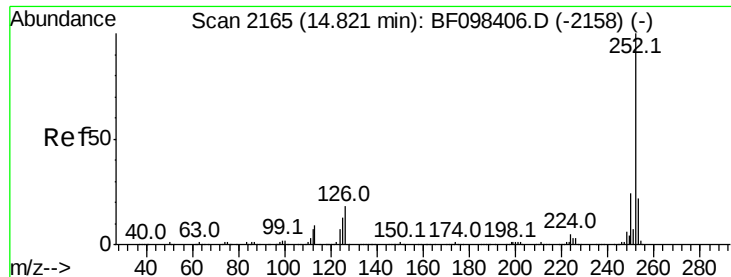
Tot Ion:276 Resp: 92024
 Ion Ratio Lower Upper
 276 100
 138 33.5 27.8 41.6
 277 23.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion:264 Resp: 380107
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 22.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 14.203 ng

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

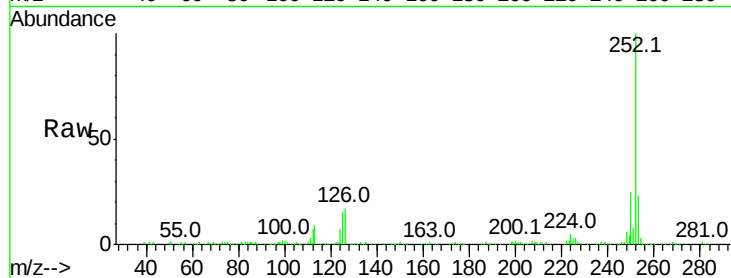
Tot Ion:252 Resp: 339464

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

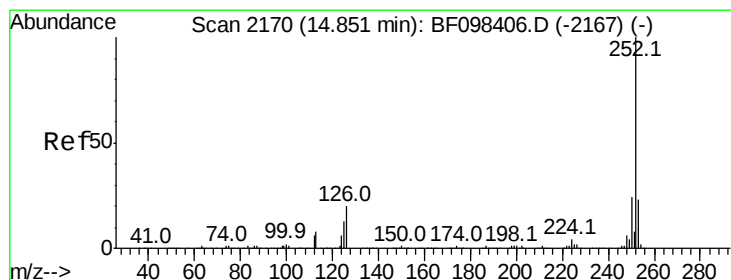
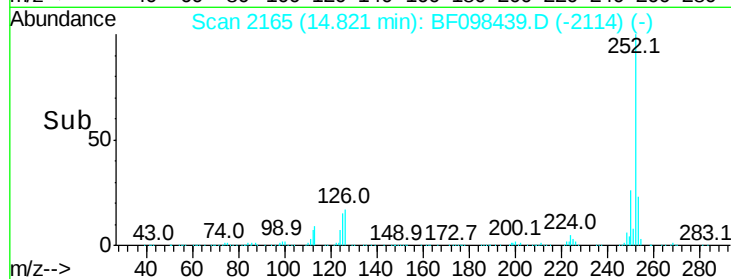
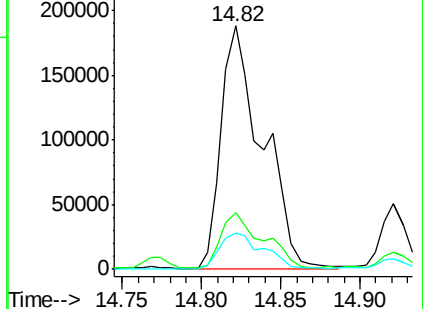
125 15.1 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 15.214 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

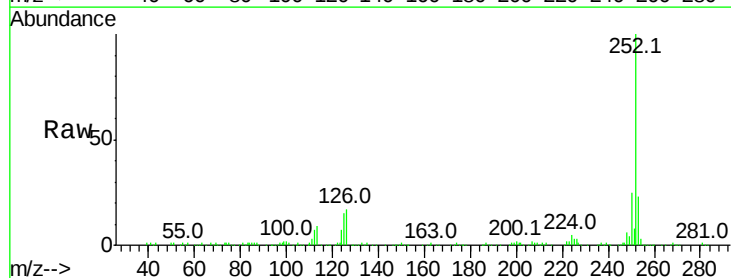
Tgt Ion:252 Resp: 339464

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

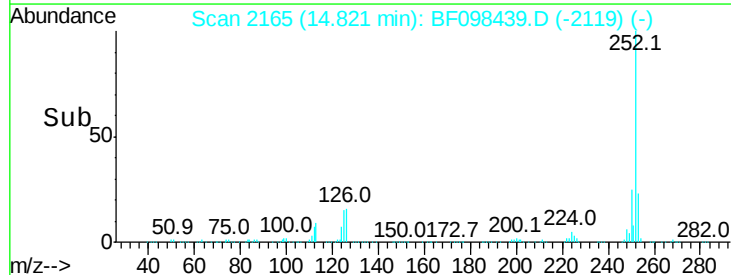
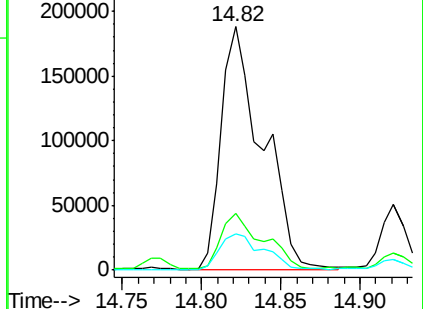
125 15.1 13.1 19.7

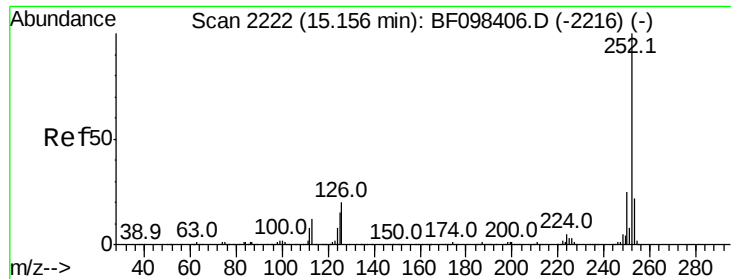


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

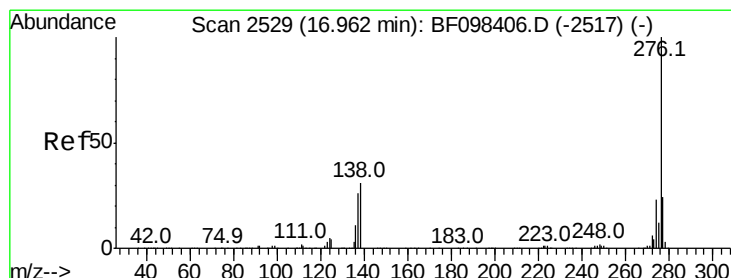
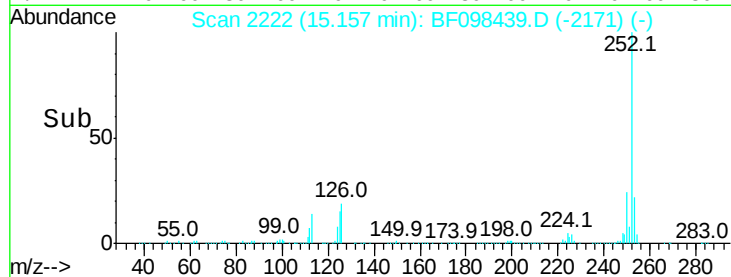
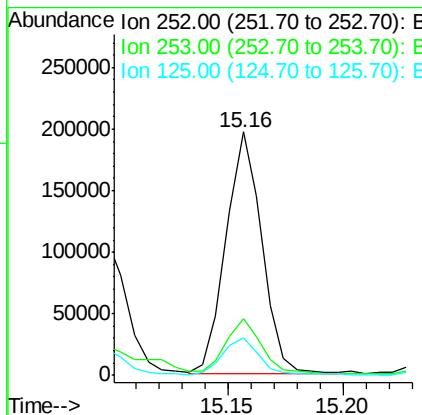
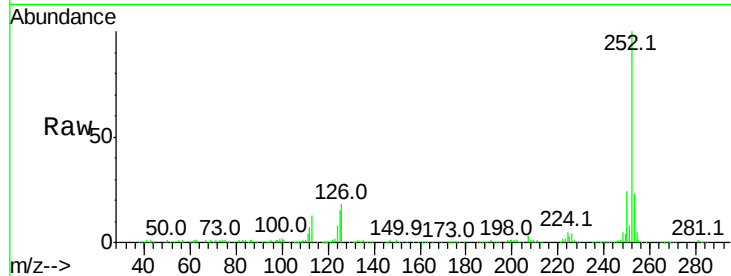




#89
Benzo(a)pyrene
Concen: 9.987 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.2	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.549 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	34.0	25.4	38.0

