

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098494.D
 Acq On : 13 Sep 2017 17:21
 Operator : SJ/JU
 Sample : I5208-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:02:49 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	6.65	152	171772	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	724714	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	326031	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	566064	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	340922	20.00	ng	-0.01
86) Perylene-d12	15.21	264	360412	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	245273	21.11	ng	-0.02
7) Phenol-d6	6.30	99	317739	21.54	ng	-0.02
23) Nitrobenzene-d5	7.22	82	184915	14.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	54660	25.12	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	332714	17.30	ng	-0.02
78) Terphenyl-d14	12.75	244	228357	14.46	ng	-0.02

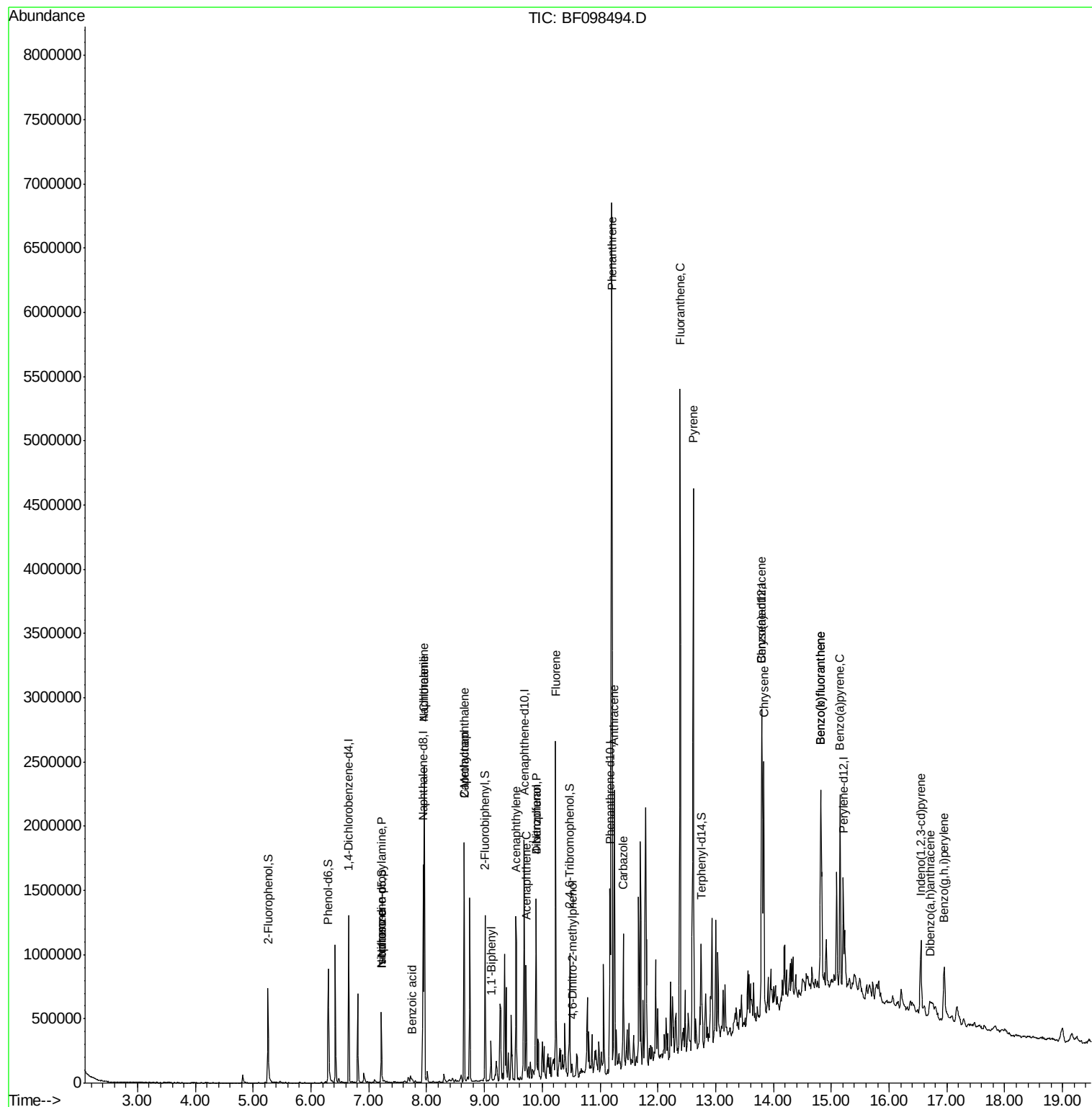
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.22	70	23687	2.553	ng	# 82
25) Isophorone	7.22	82	179563	6.827	ng	# 67
31) Naphthalene	7.96	128	1054531	29.434	ng	100
32) Benzoic acid	7.75	122	6368	8.664	ng	# 22
33) 4-Chloroaniline	7.96	127	142208	9.767	ng	# 32
35) Caprolactam	8.65	113	10055	3.076	ng	# 1
37) 2-Methylnaphthalene	8.65	142	452459	20.849	ng	98
45) 1,1'-Biphenyl	9.11	154	87740	3.007	ng	97
48) Acenaphthylene	9.55	152	404386	13.050	ng	98
51) Acenaphthene	9.72	154	180565	9.167	ng	96
54) Dibenzofuran	9.89	168	402257	15.502	ng	97
55) 4-Nitrophenol	9.89	139	154841	43.067	ng	# 28
57) Fluorene	10.23	166	692958	32.263	ng	100
64) 4,6-Dinitro-2-methylphenol	10.51	198	376	5.061	ng	# 1
70) Phenanthrene	11.20	178	3129260	104.278	ng	100
71) Anthracene	11.25	178	838437	27.213	ng	98
72) Carbazole	11.40	167	351117	12.228	ng	98
74) Fluoranthene	12.39	202	2206191	73.439	ng	99
77) Pyrene	12.62	202	1932718	71.864	ng	100
80) Benzo(a)anthracene	13.80	228	804639	40.257	ng	94
82) Chrysene	13.83	228	739079	36.581	ng	98
85) Indeno(1,2,3-cd)pyrene	16.55	276	314730	22.203	ng	95
87) Benzo(b)fluoranthene	14.82	252	1118632	49.362	ng	# 97
88) Benzo(k)fluoranthene	14.82	252	1118632	52.875	ng	99
89) Benzo(a)pyrene	15.15	252	634536	31.429	ng	97
90) Dibenzo(a,h)anthracene	16.70	278	69530	4.734	ng	92
91) Benzo(g,h,i)perylene	16.95	276	286932	19.424	ng	98

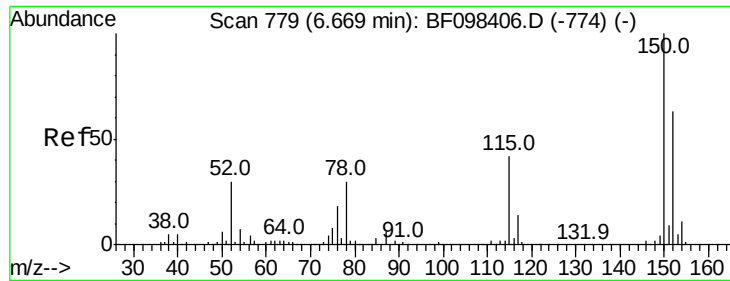
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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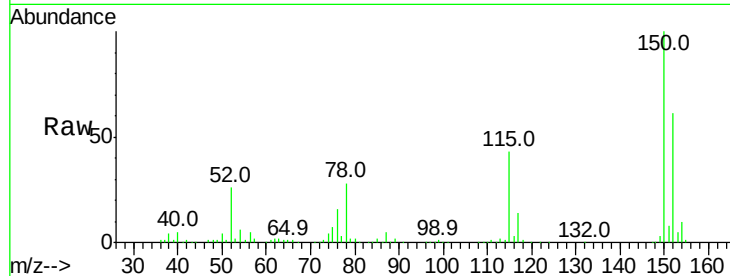


#1

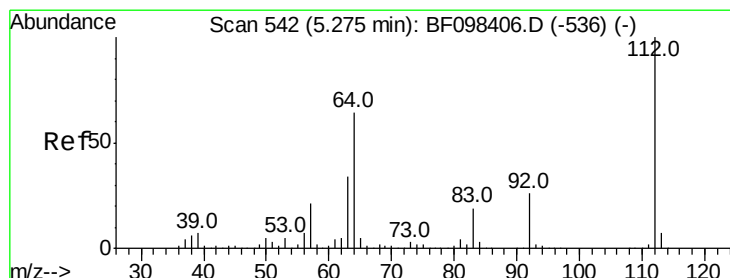
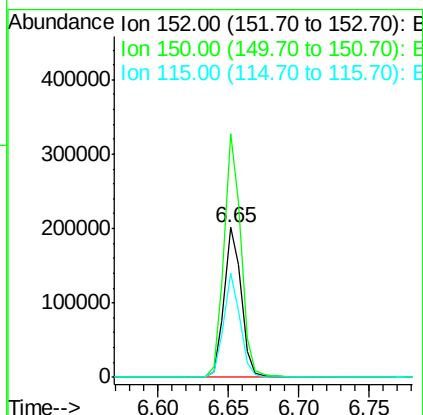
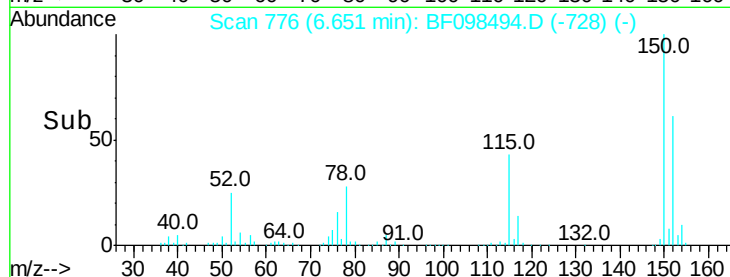
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 171772
 Ion Ratio Lower Upper
 152 100
 150 162.6 126.2 189.2
 115 69.7 52.2 78.2



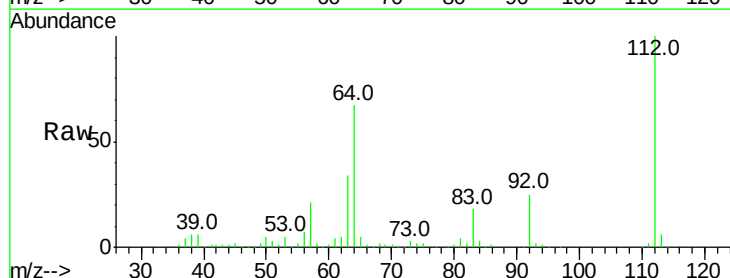
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



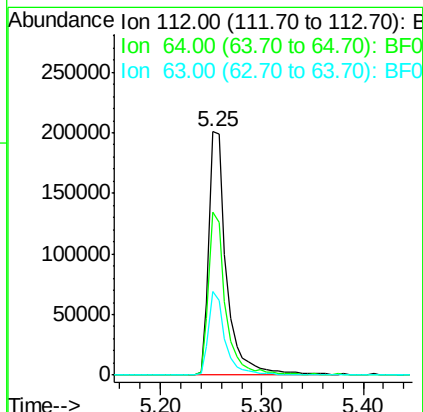
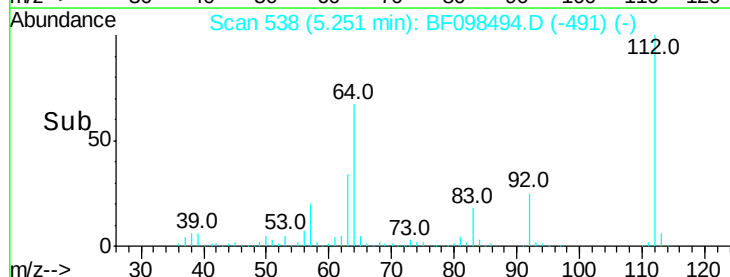
#5

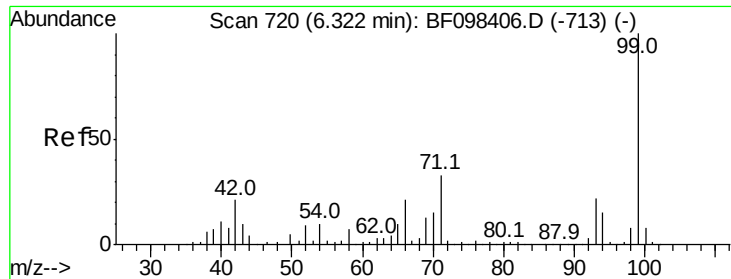
2-Fluorophenol
 Concen: 21.112 ng
 RT: 5.25 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Tgt Ion:112 Resp: 245273
 Ion Ratio Lower Upper
 112 100
 64 66.9 46.0 69.0
 63 34.3 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: 21.541 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

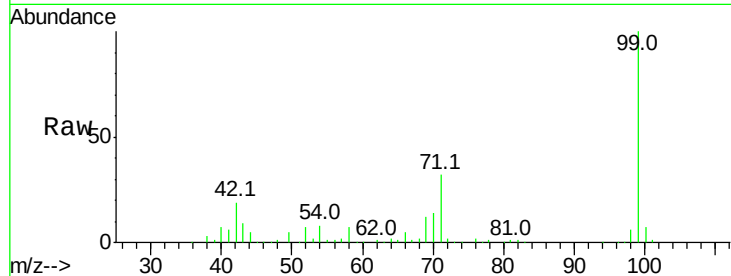
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 317739

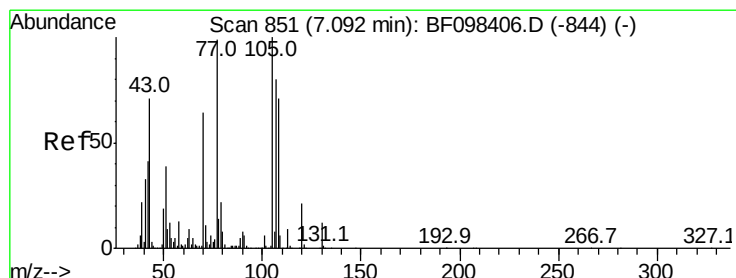
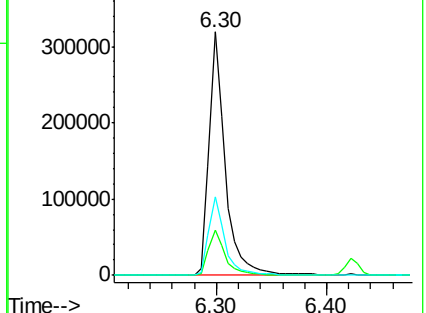
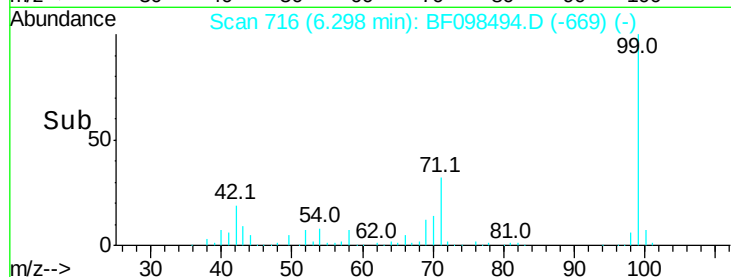
Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	32.1	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.553 ng

RT: 7.22 min Scan# 872

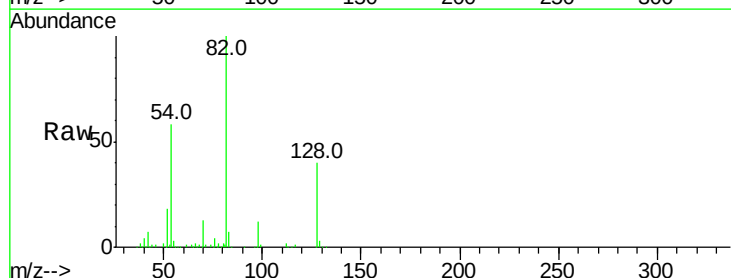
Delta R.T. 0.12 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Tgt Ion: 70 Resp: 23687

Ion	Ratio	Lower	Upper
70	100		
42	51.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#

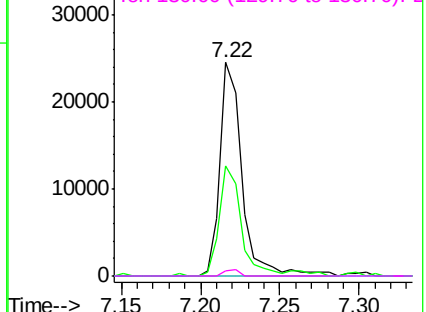
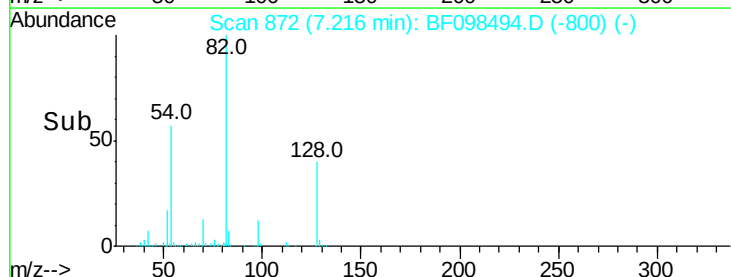


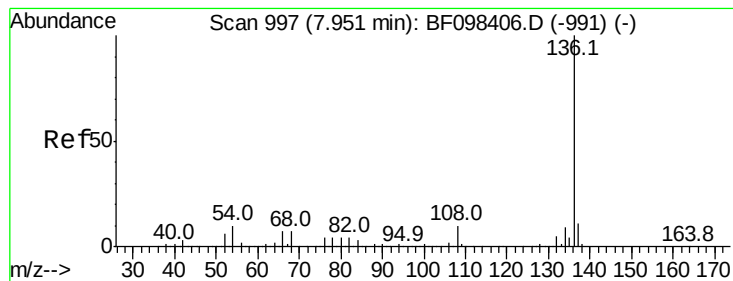
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 724714

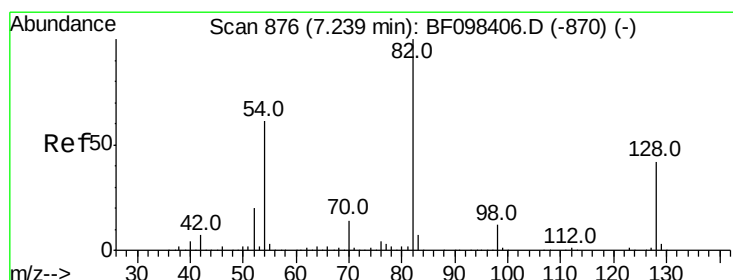
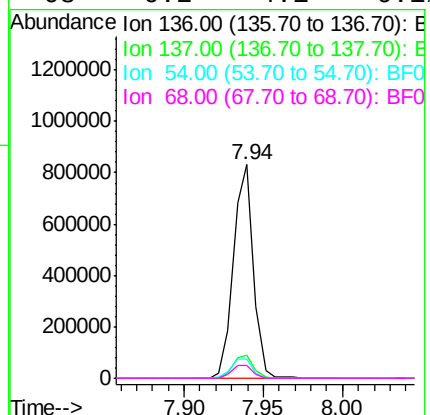
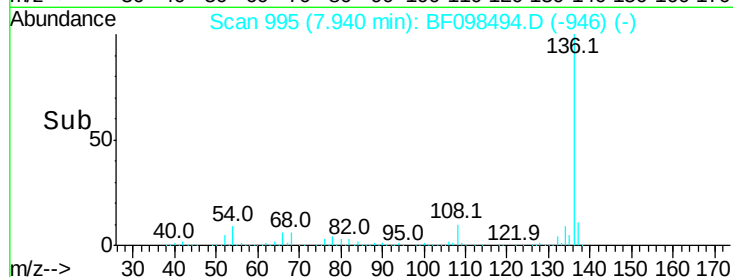
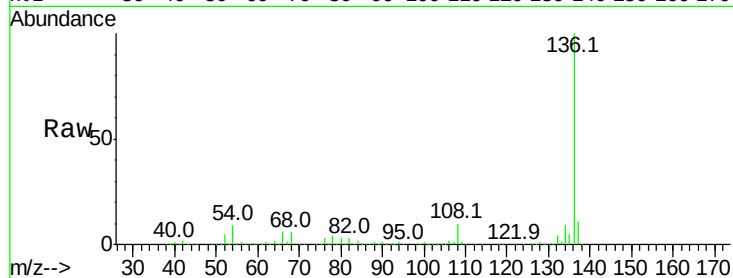
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.2 4.9 7.3#

68 6.2 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 14.225 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

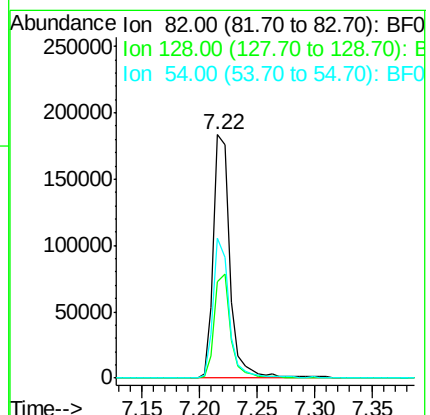
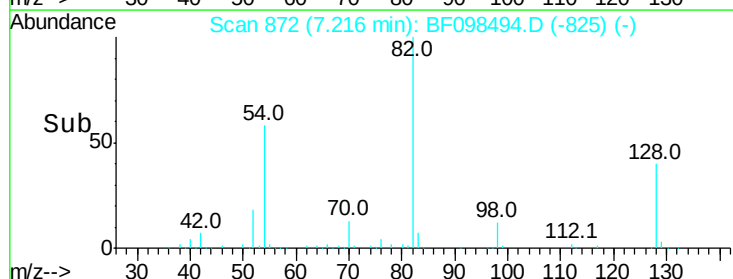
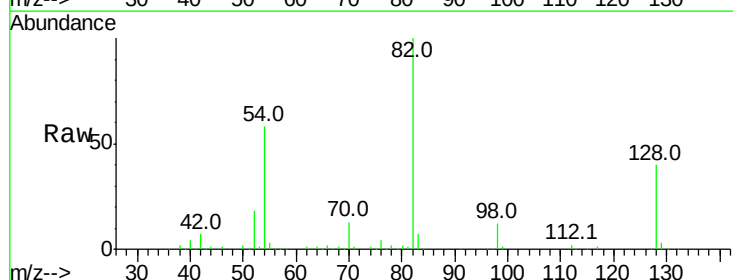
Tgt Ion: 82 Resp: 184915

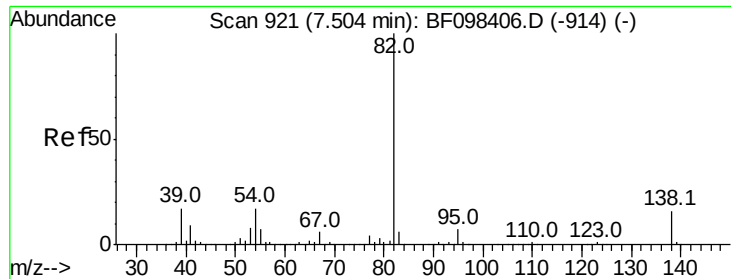
Ion Ratio Lower Upper

82 100

128 39.8 34.0 51.0

54 57.7 42.2 63.2





#25

Isophorone

Concen: 6.827 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :
BNA_F
ClientSampleId :

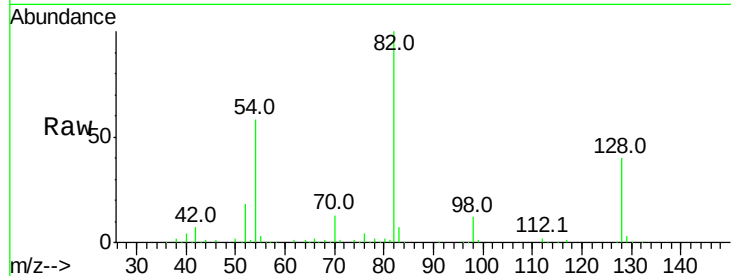
Tot Ion: 82 Resp: 179563

Ion Ratio Lower Upper

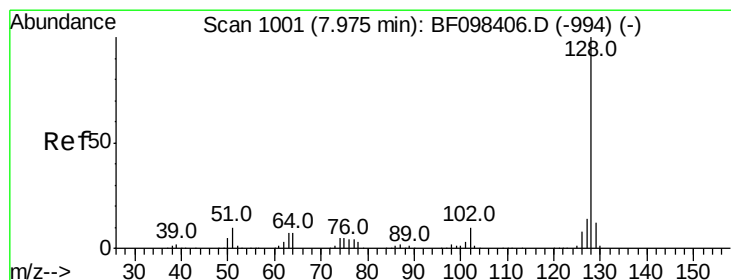
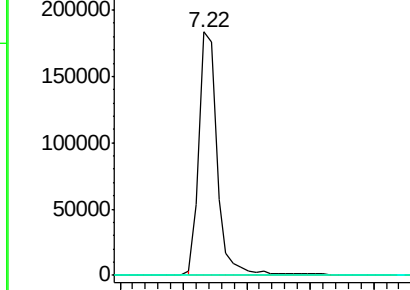
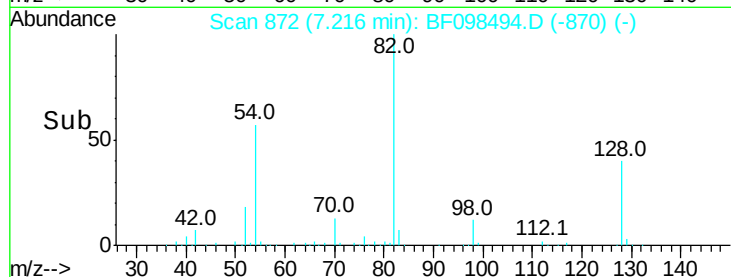
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 29.434 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

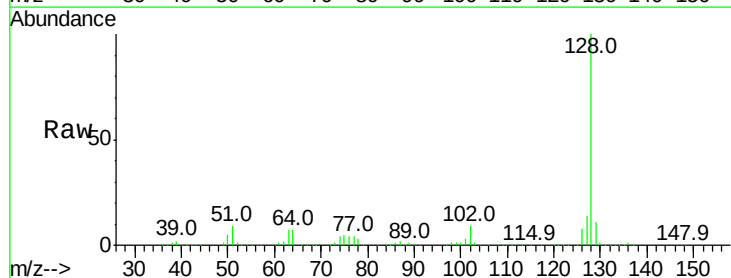
Tgt Ion: 128 Resp: 1054531

Ion Ratio Lower Upper

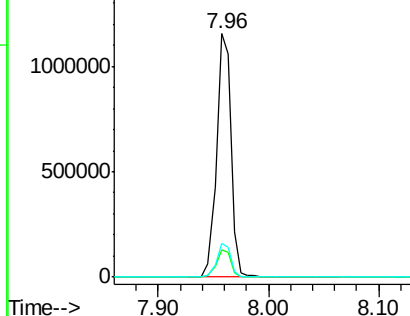
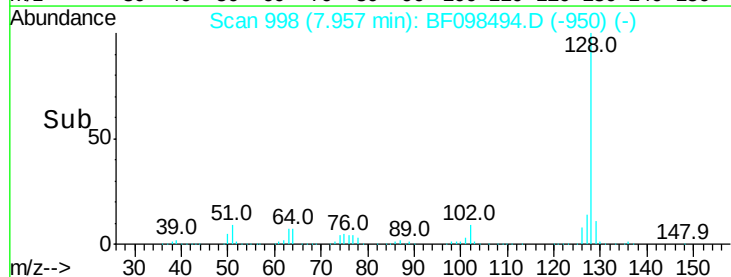
128 100

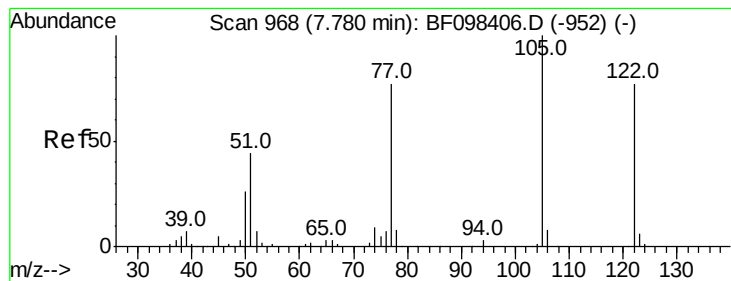
129 11.5 9.0 13.6

127 13.6 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: 8.664 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.03 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampleId :

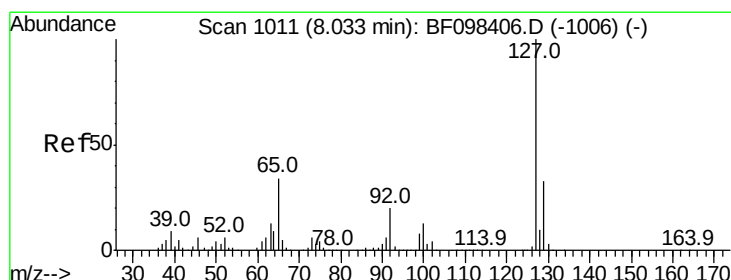
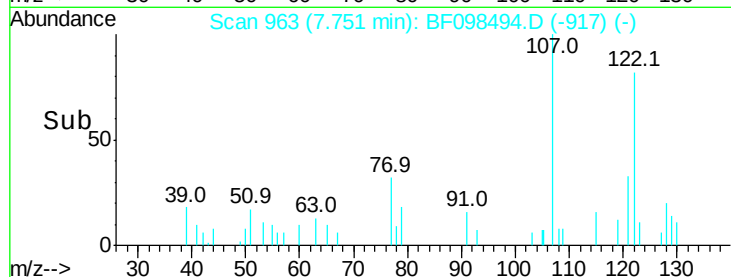
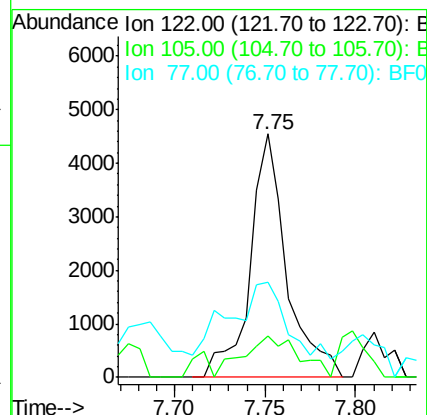
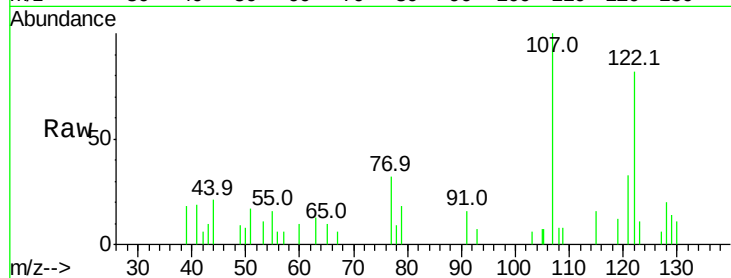
Tot Ion:122 Resp: 6368

Ion Ratio Lower Upper

122 100

105 17.1 103.3 143.3#

77 39.2 73.7 113.7#



#33

4-Chloroaniline

Concen: 9.767 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.08 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Tgt Ion:127 Resp: 142208

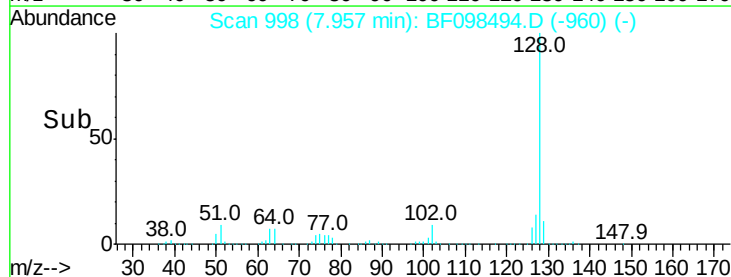
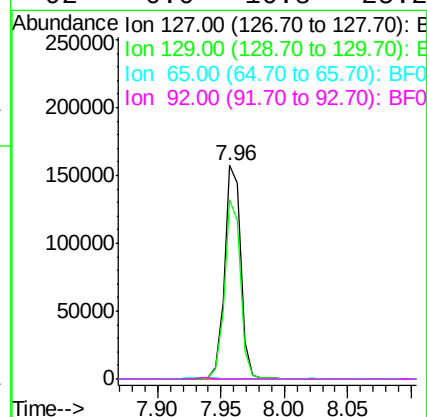
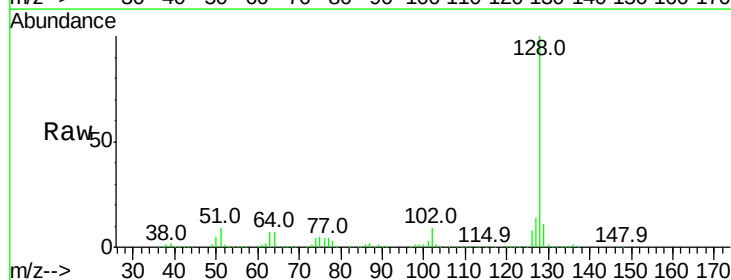
Ion Ratio Lower Upper

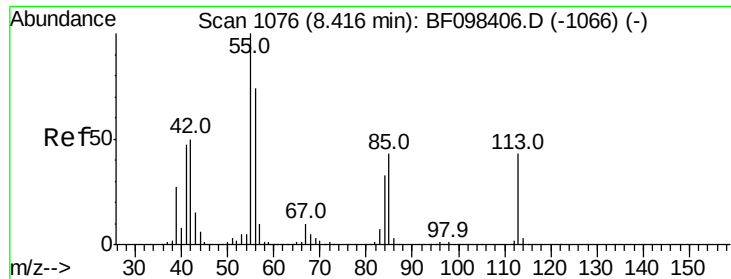
127 100

129 84.1 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#





#35

Caprolactam

Concen: 3.076 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.24 min

Lab File: BF098494.D

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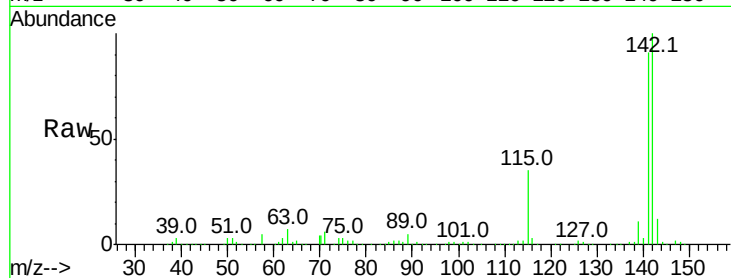
Tot Ion:113 Resp: 10055

Ion Ratio Lower Upper

113 100

55 20.1 150.2 190.2#

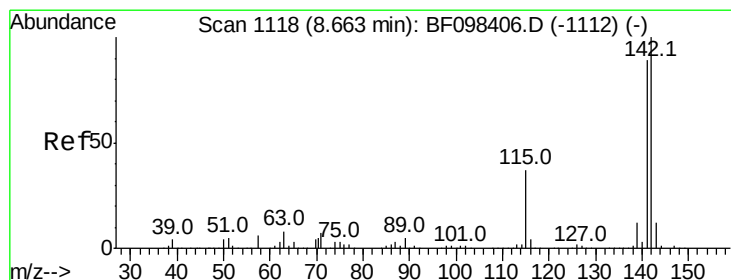
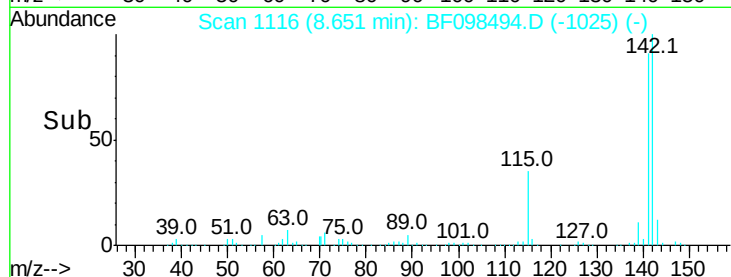
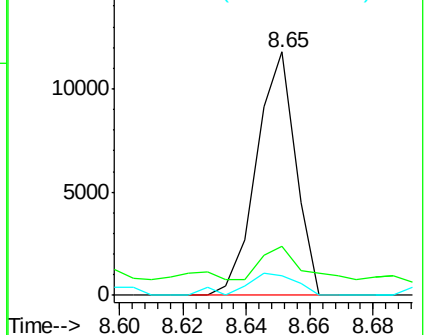
56 8.2 107.8 147.8#



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: 20.849 ng

RT: 8.65 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

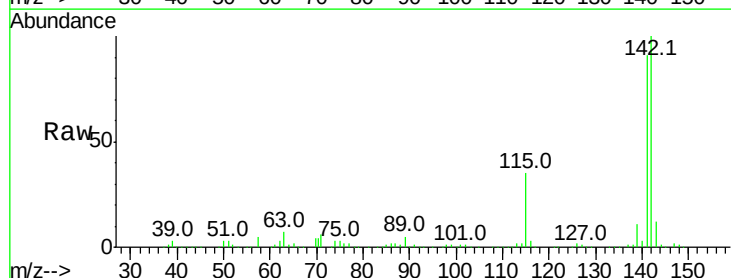
Tgt Ion:142 Resp: 452459

Ion Ratio Lower Upper

142 100

141 91.2 71.3 106.9

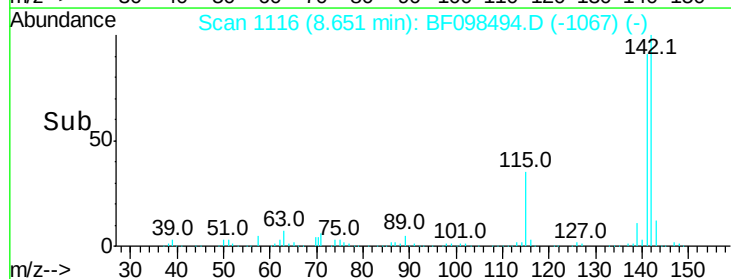
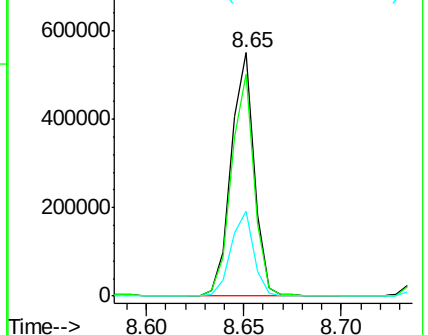
115 34.7 27.1 40.7

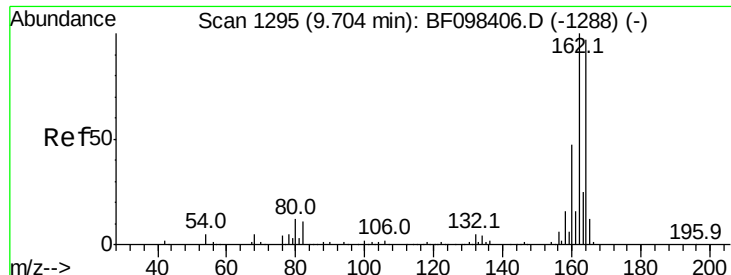


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

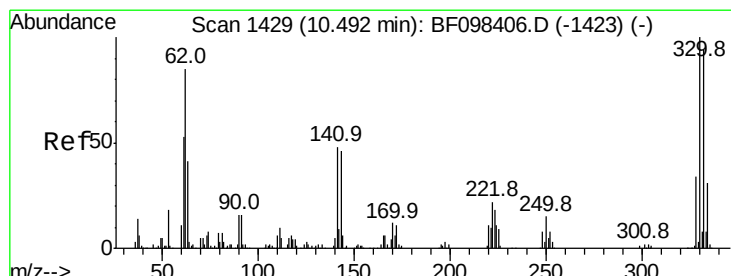
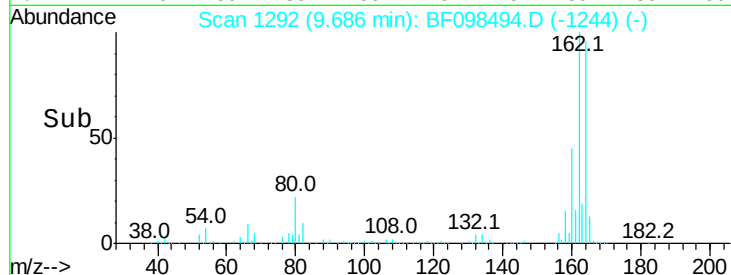
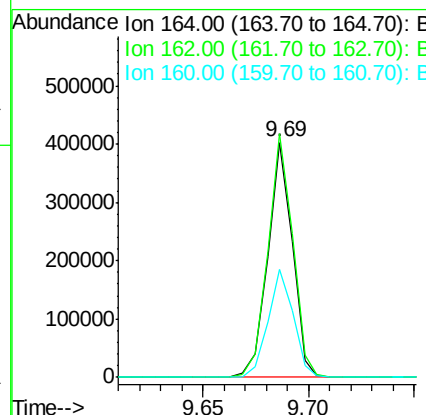
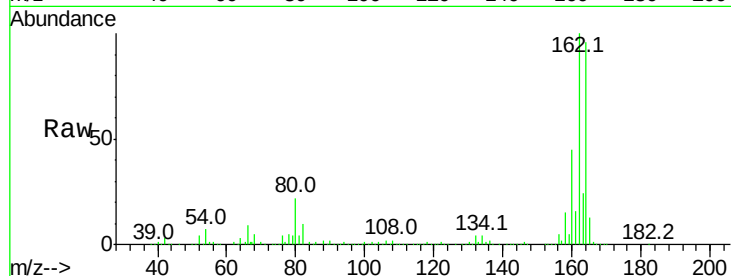




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

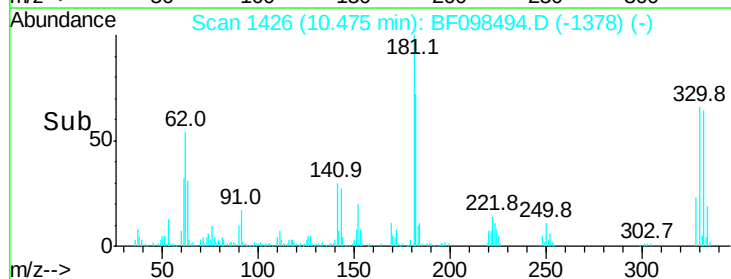
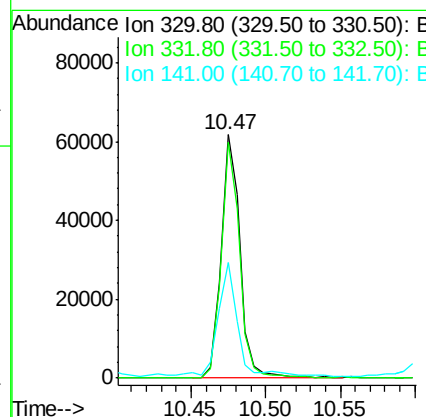
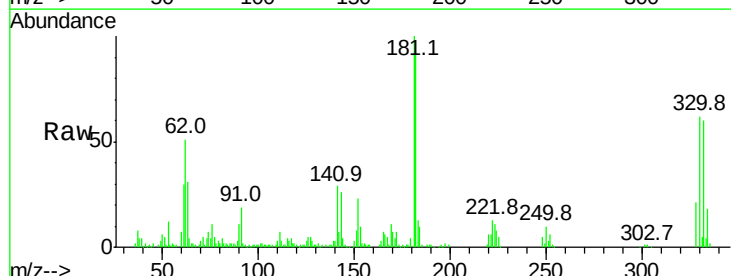
Instrument :
 BNA_F
 ClientSampleId :

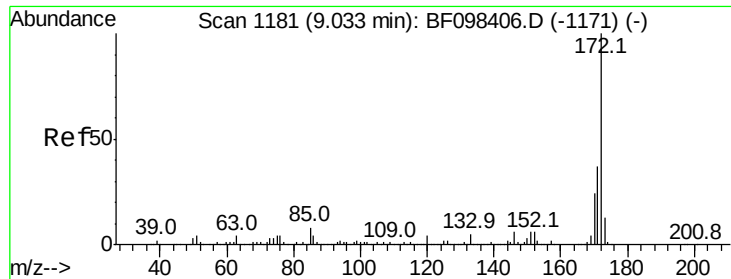
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	46.2	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 25.120 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	115.0
141	44.0	31.4	47.2

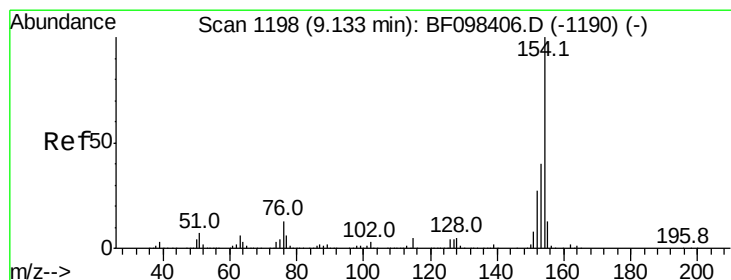
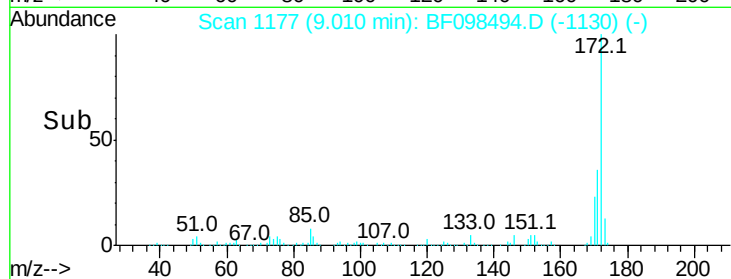
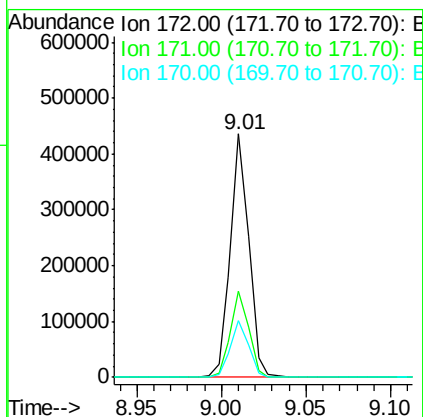
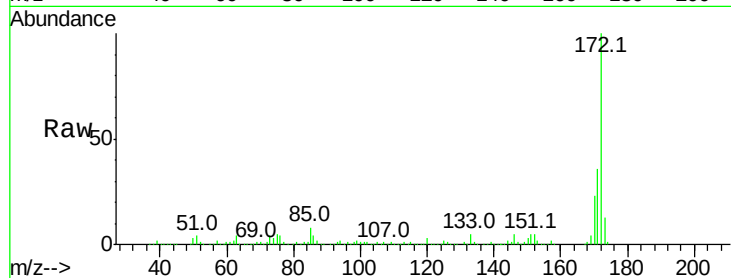




#44
 2-Fluorobiphenyl
 Concen: 17.297 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

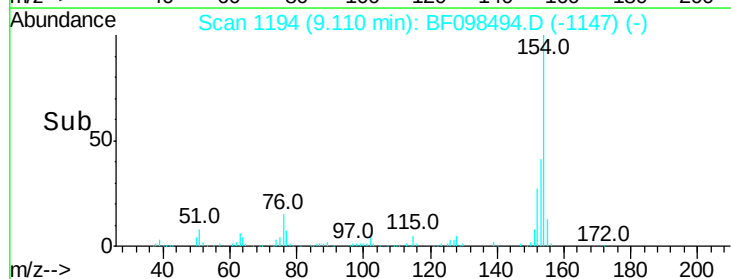
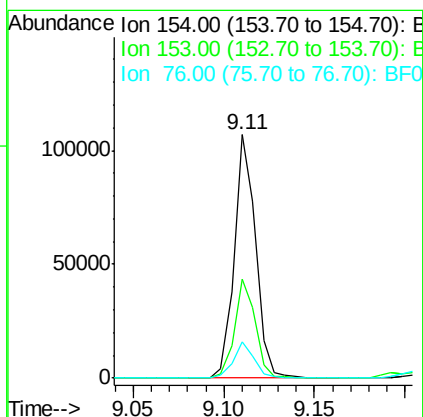
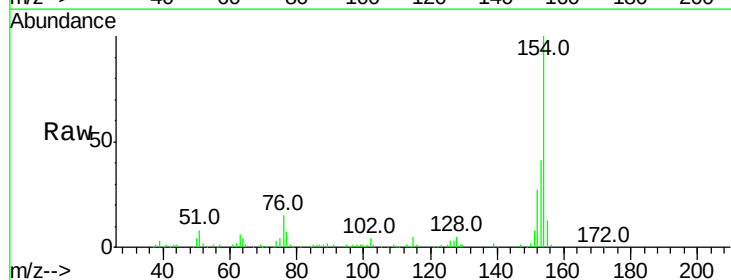
Instrument :
 BNA_F
 ClientSampleId :

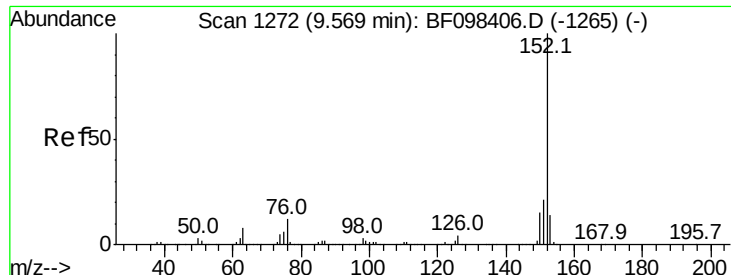
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.1	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 3.007 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.2	61.2
76	15.1	0.0	29.9





#48

Acenaphthylene

Concen: 13.050 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampled :

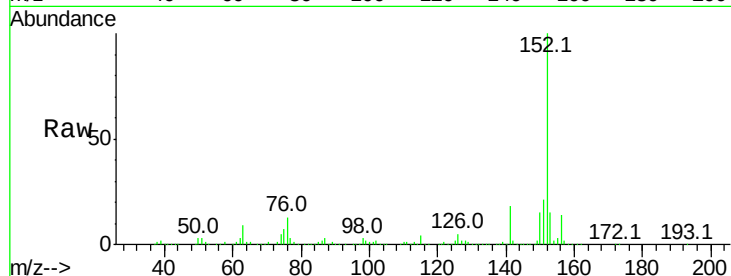
Tot Ion:152 Resp: 404386

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

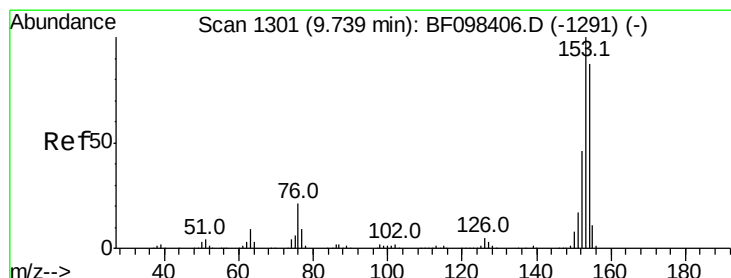
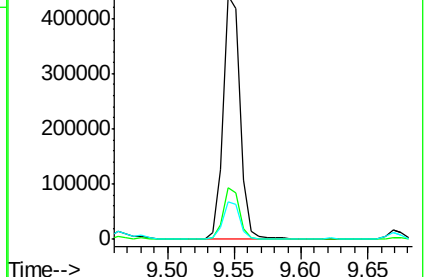
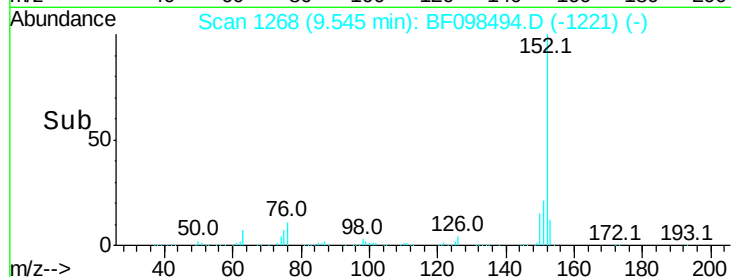
153 15.5 10.8 16.2



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



#51

Acenaphthene

Concen: 9.167 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

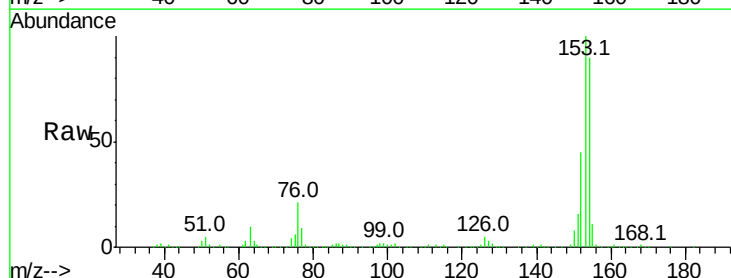
Tgt Ion:154 Resp: 180565

Ion Ratio Lower Upper

154 100

153 110.5 90.5 135.7

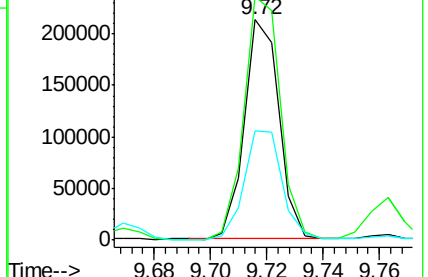
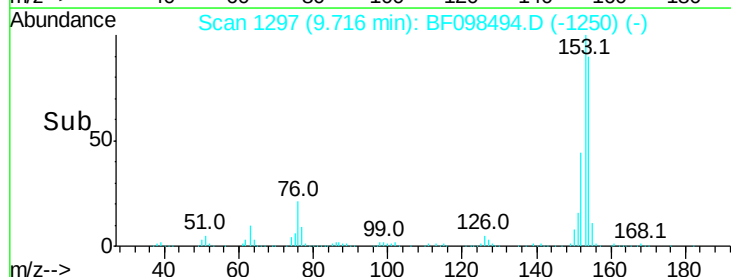
152 49.3 43.6 65.4

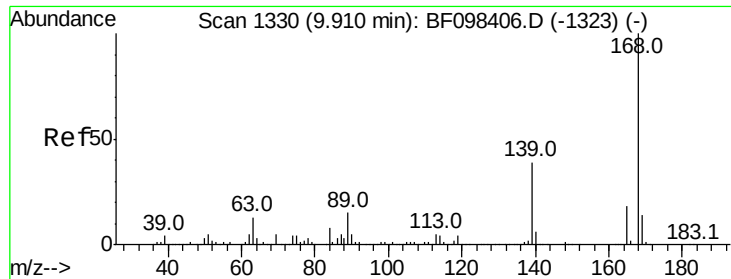


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

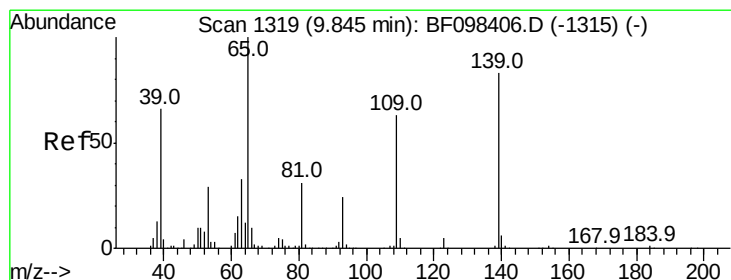
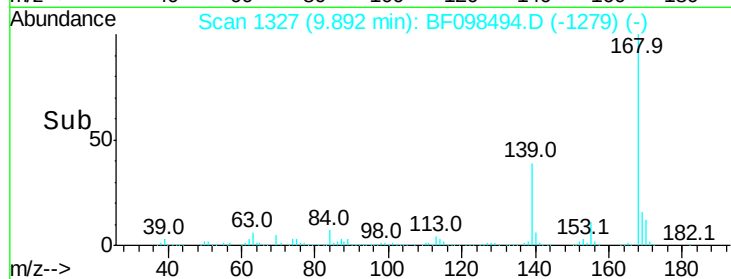
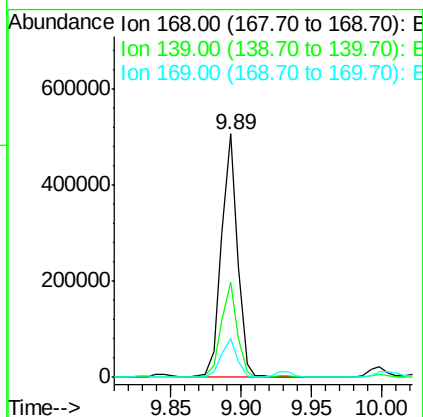
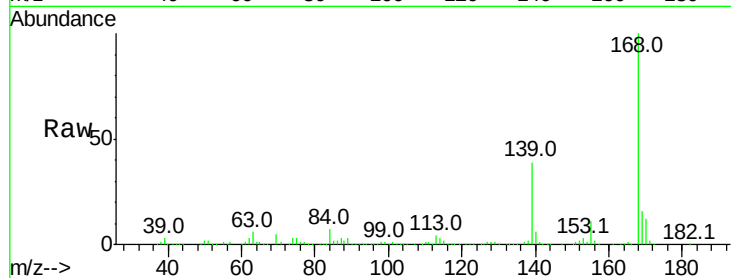




#54
Dibenzofuran
Concen: 15.502 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

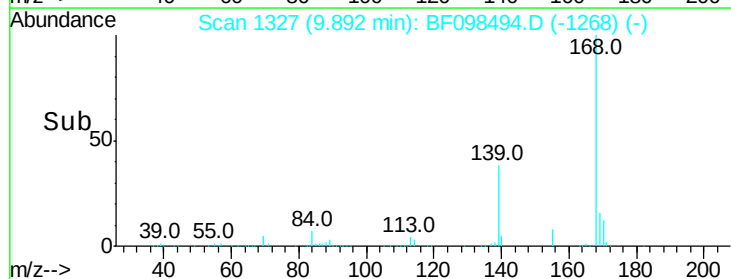
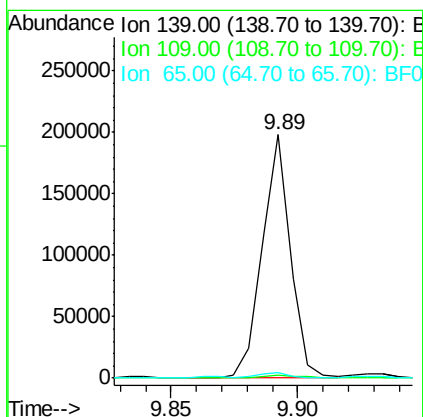
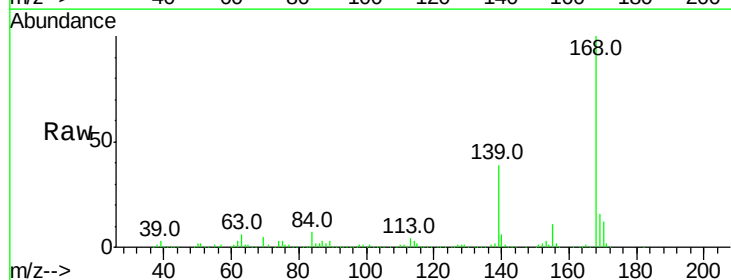
Instrument :
BNA_F
ClientSampleId :

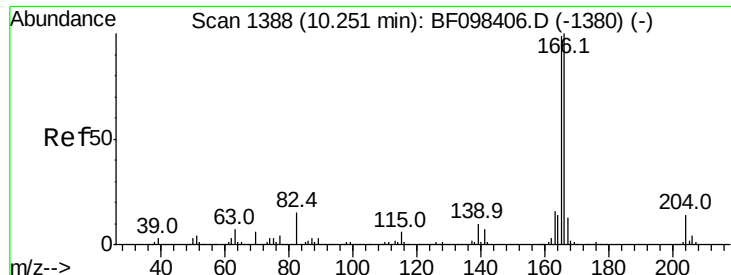
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.6	45.8
169	15.7	10.8	16.2



#55
4-Nitrophenol
Concen: 43.067 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.05 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.1	34.1	74.1#
65	2.1	31.4	71.4#





#57

Fluorene

Concen: 32.263 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampled :

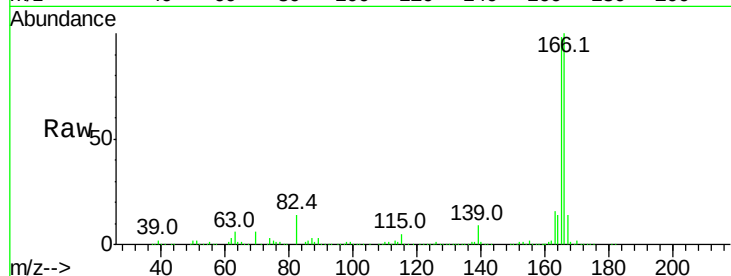
Tot Ion:166 Resp: 692958

Ion Ratio Lower Upper

166 100

165 98.3 78.8 118.2

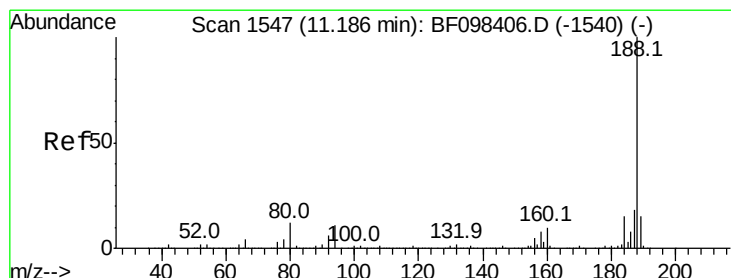
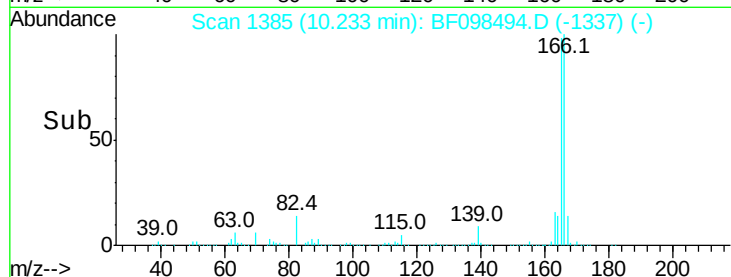
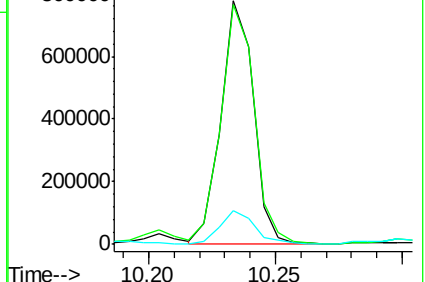
167 14.1 10.6 16.0



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: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

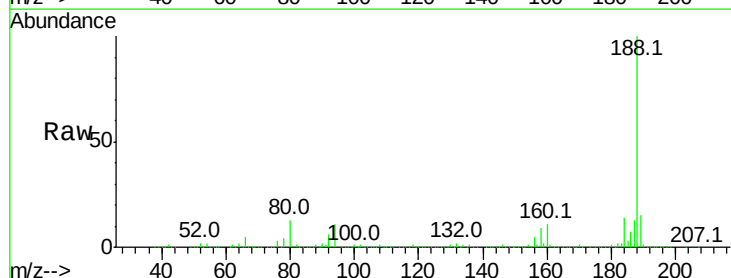
Tgt Ion:188 Resp: 566064

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

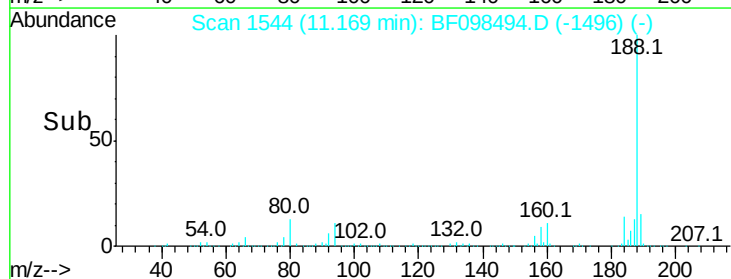
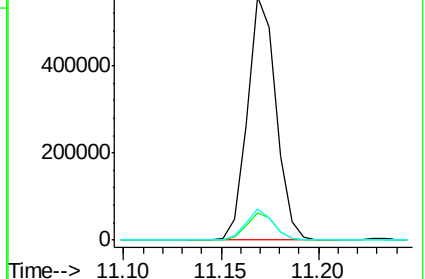
80 12.8 10.2 15.2

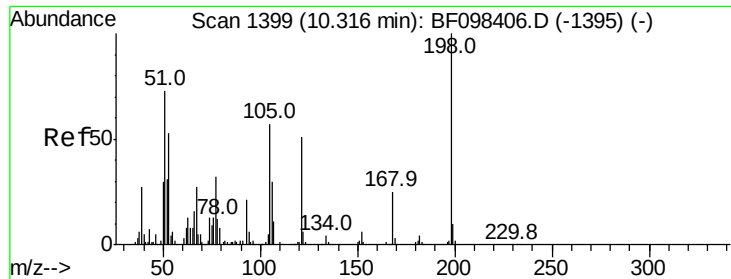


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

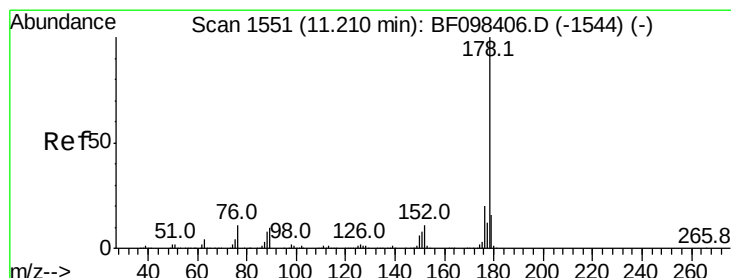
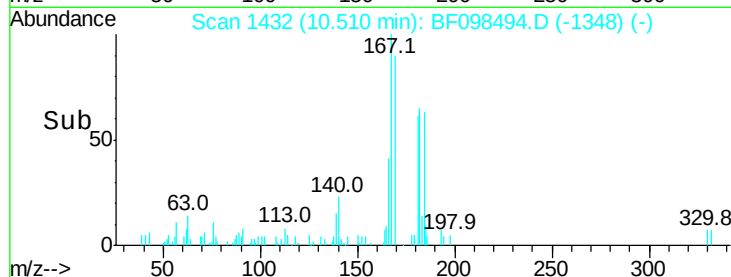
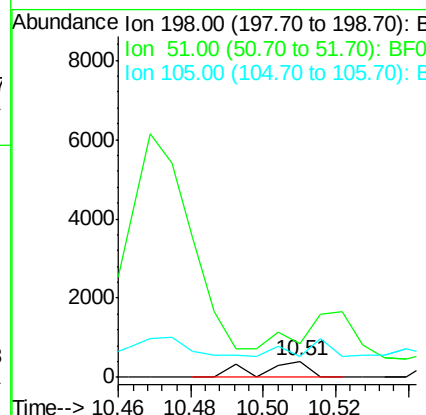
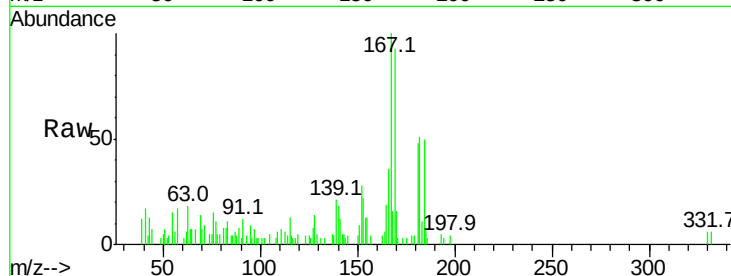




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.061 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.19 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

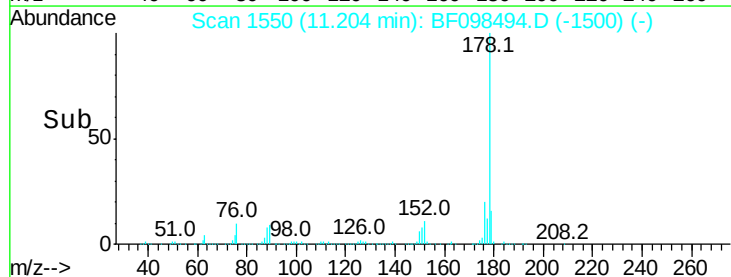
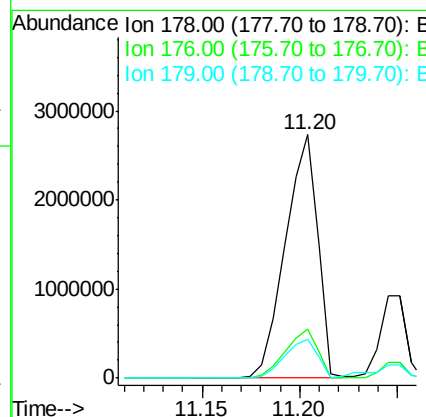
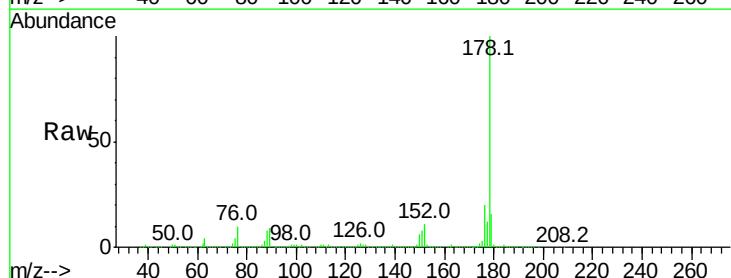
Instrument :
 BNA_F
 ClientSampled :

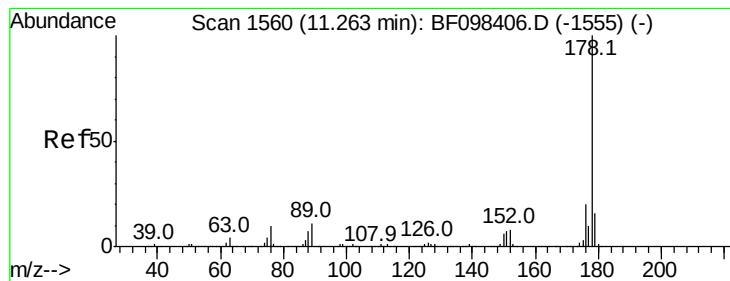
Tot Ion:198 Resp: 376
 Ion Ratio Lower Upper
 198 100
 51 204.9 53.2 93.2#
 105 131.5 45.8 85.8#



#70
 Phenanthrene
 Concen: 104.278 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Tgt Ion:178 Resp: 3129260
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 16.0 12.6 19.0





#71

Anthracene

Concen: 27.213 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

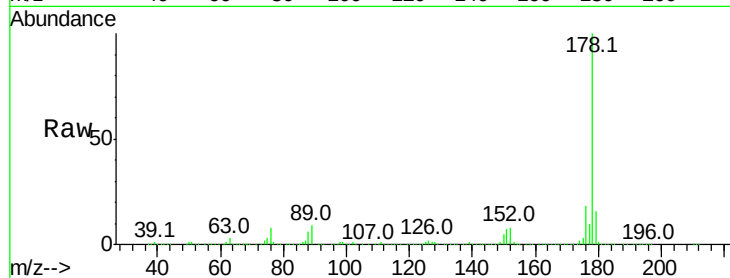
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 838437

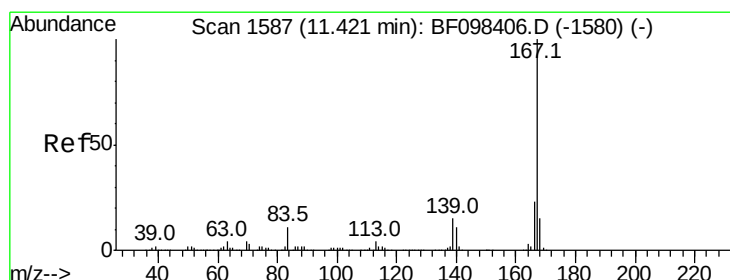
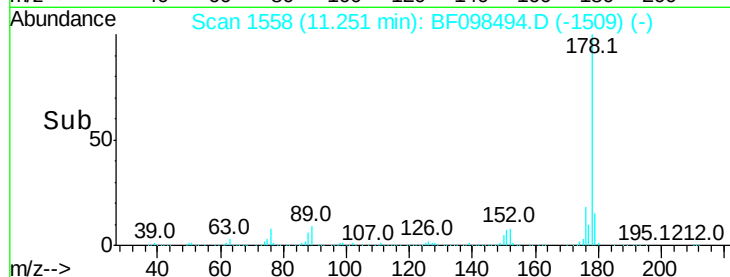
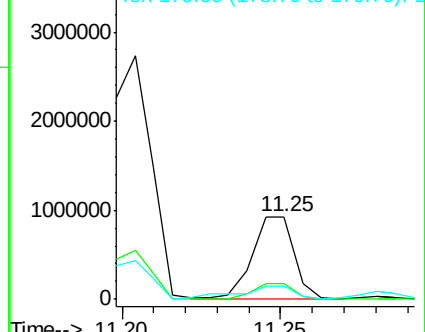
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	12.7	19.1



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: 12.228 ng

RT: 11.40 min Scan# 1584

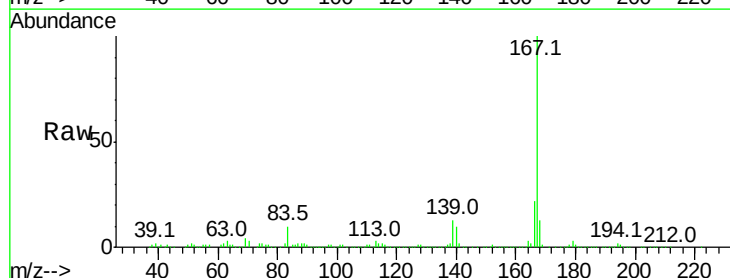
Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Tgt Ion:167 Resp: 351117

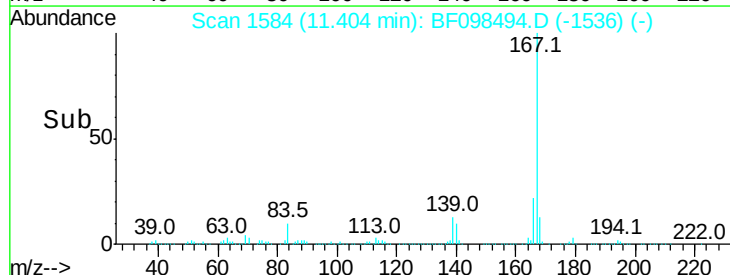
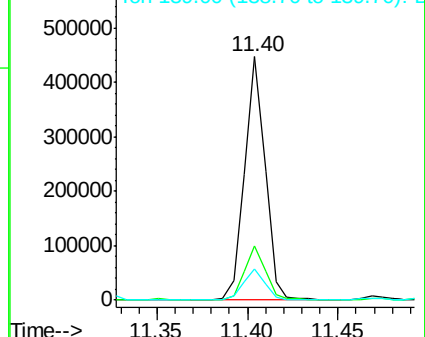
Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	13.0	11.7	17.5

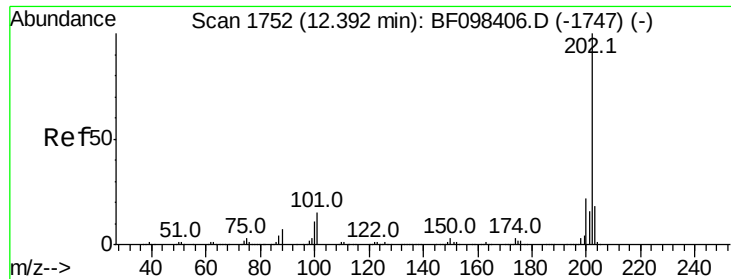


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 73.439 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampleId :

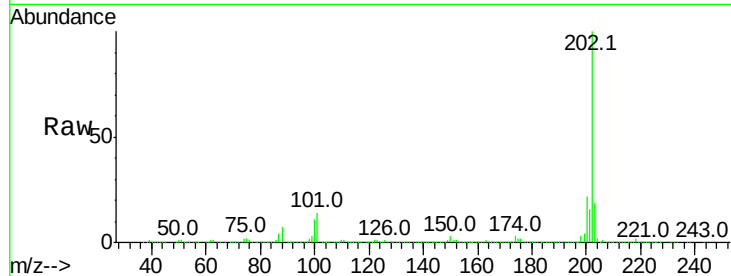
Tot Ion:202 Resp: 2206191

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

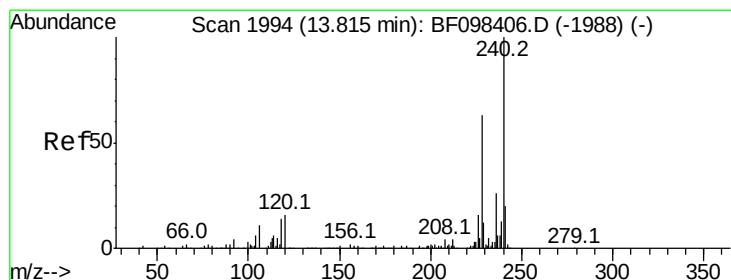
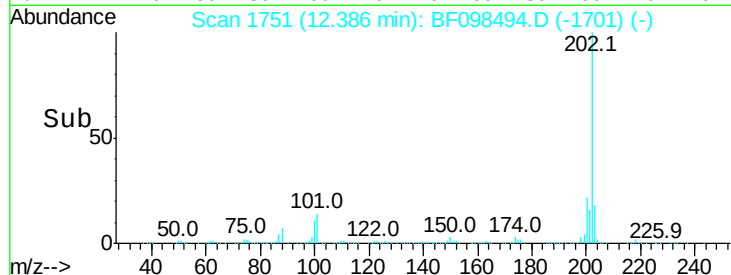
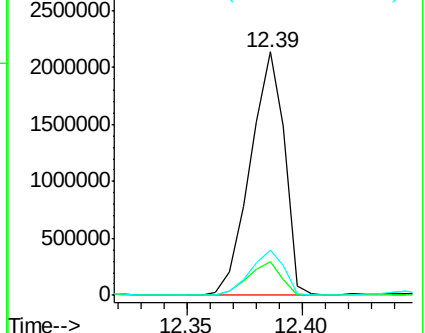
203 18.5 0.0 38.1



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: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

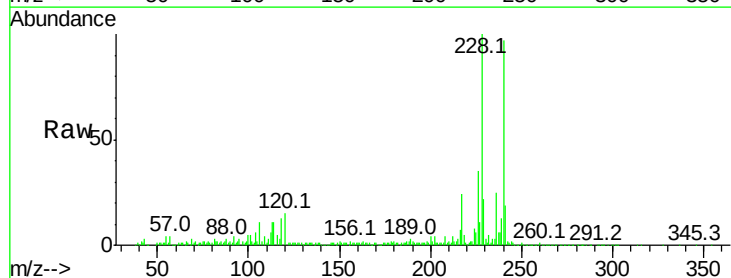
Tgt Ion:240 Resp: 340922

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

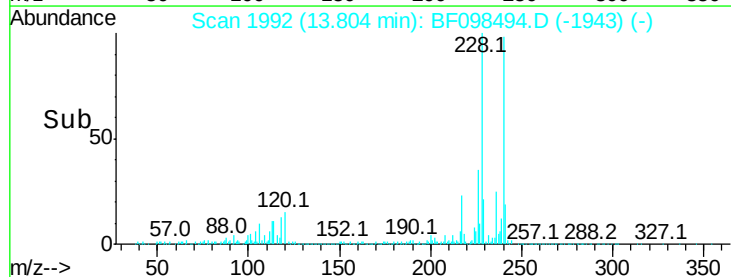
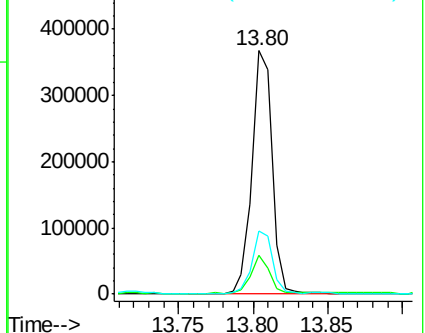
236 26.1 20.5 30.7

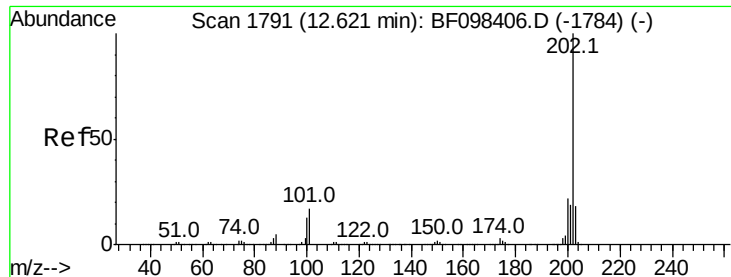


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 71.864 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampled :

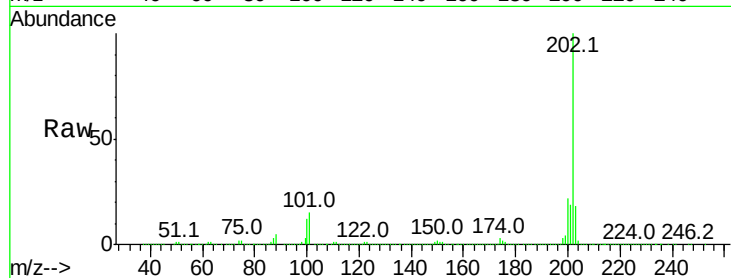
Tot Ion:202 Resp: 1932718

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

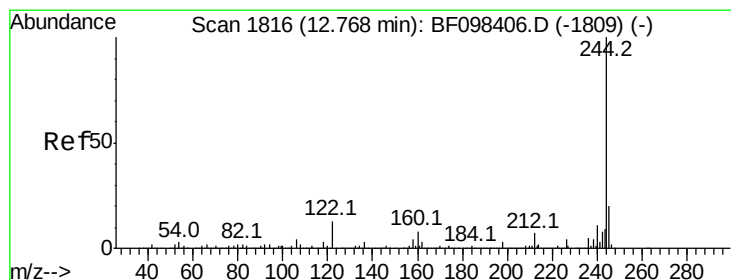
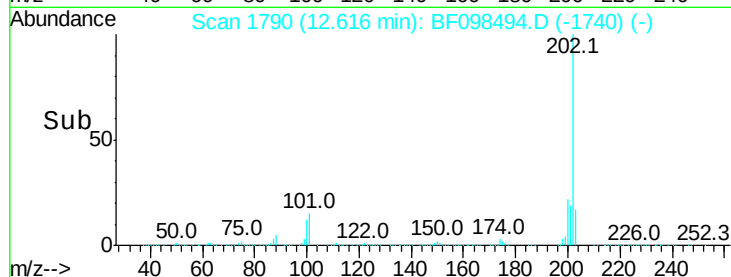
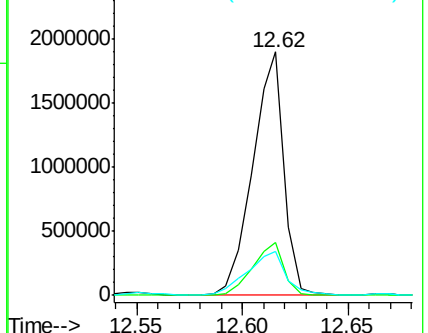
203 18.1 14.4 21.6



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: 14.458 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

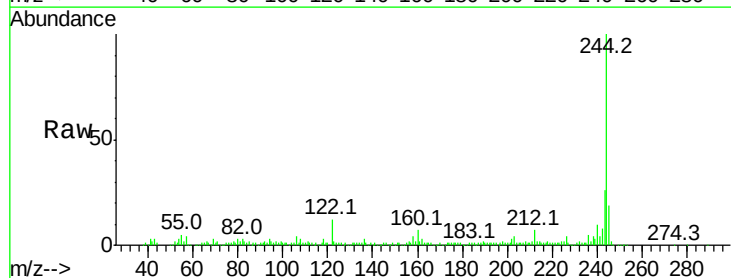
Tgt Ion:244 Resp: 228357

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

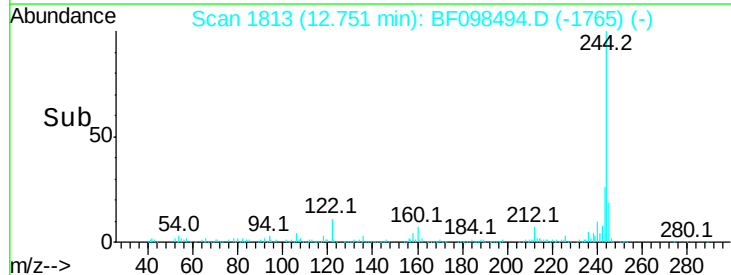
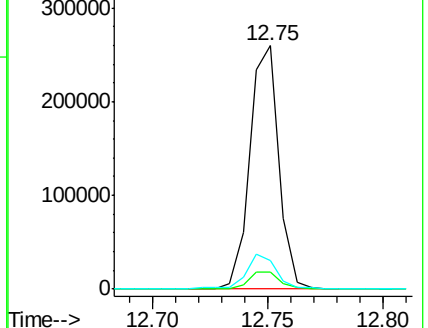
122 11.7 10.3 15.5

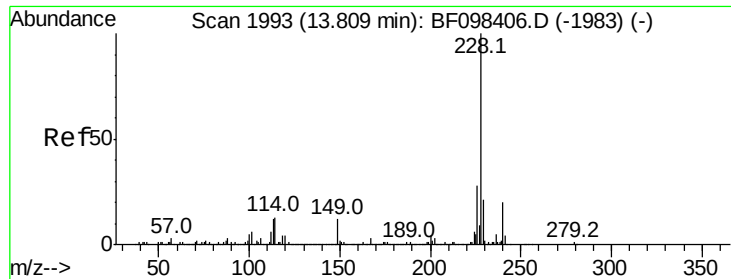


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

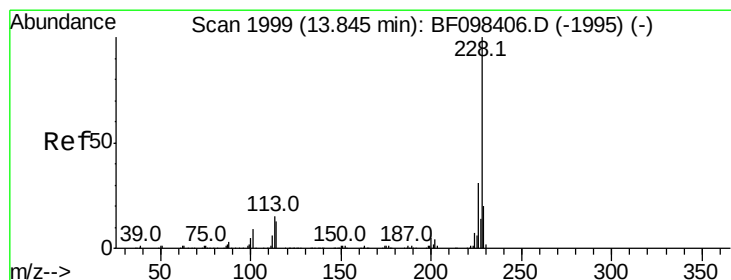
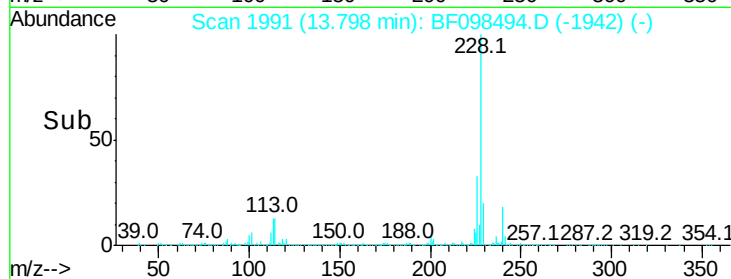
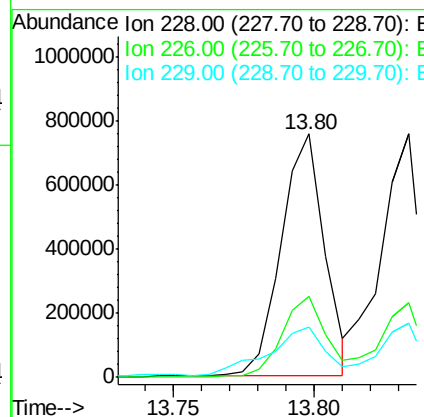
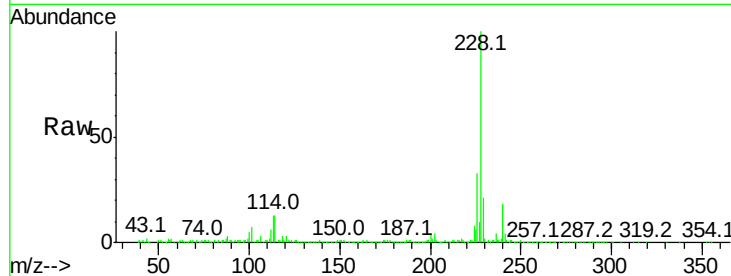




#80
Benzo(a)anthracene
Concen: 40.257 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

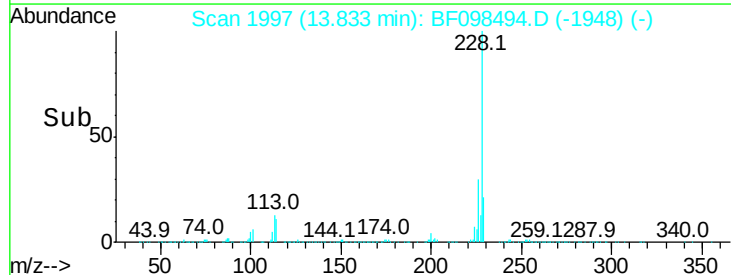
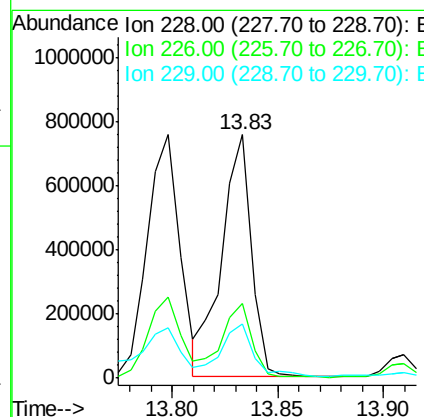
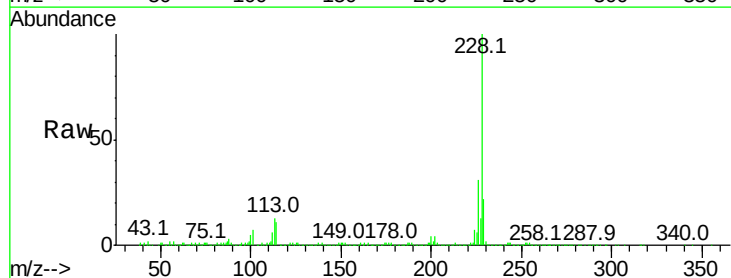
Instrument :
BNA_F
ClientSampleId :

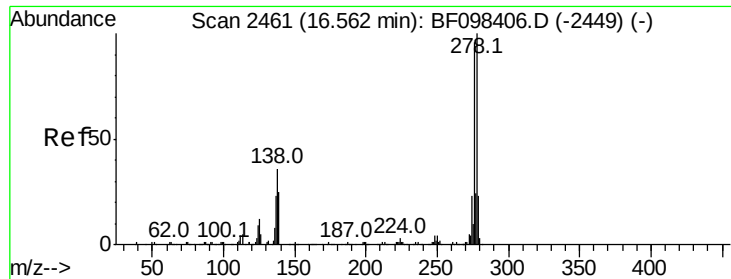
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	20.7	16.3	24.5



#82
Chrysene
Concen: 36.581 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.1	15.8	23.6

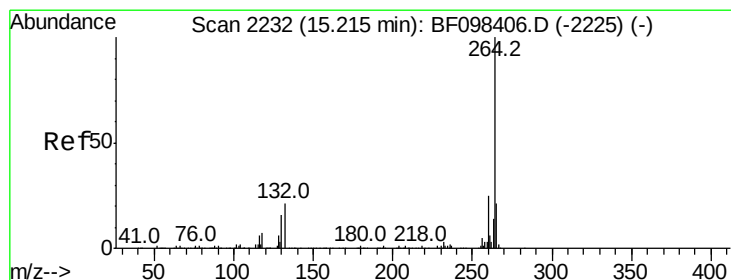
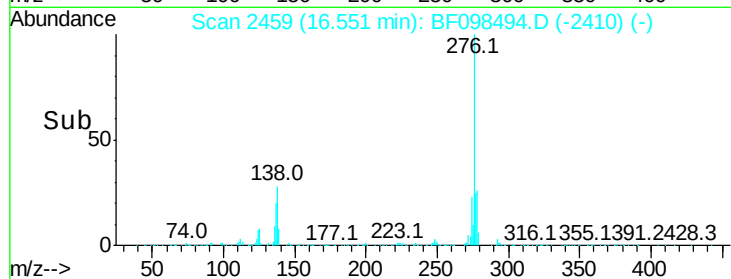
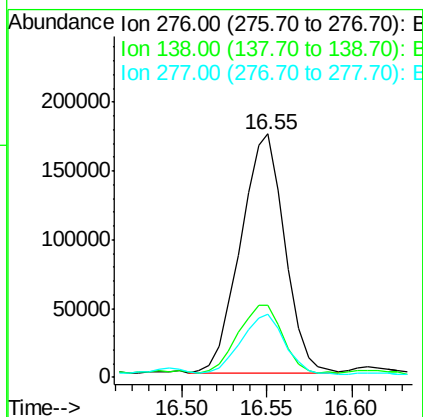
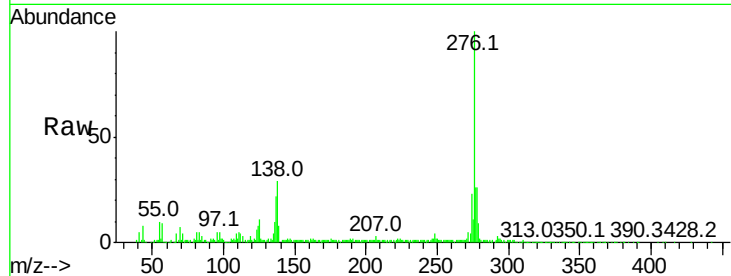




#85
Indeno(1,2,3-cd)pyrene
Concen: 22.203 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

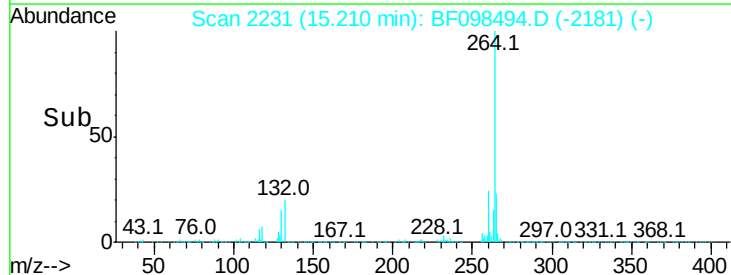
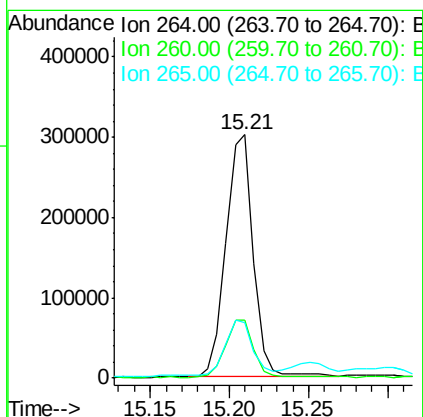
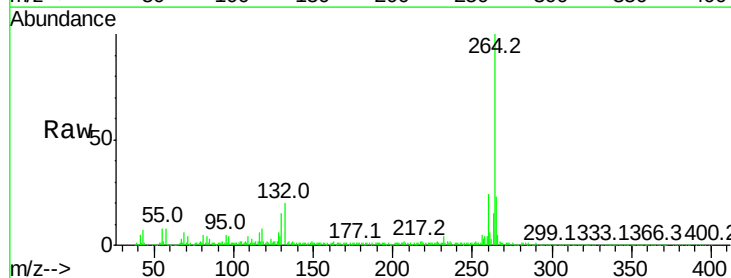
Instrument :
BNA_F
ClientSampleId :

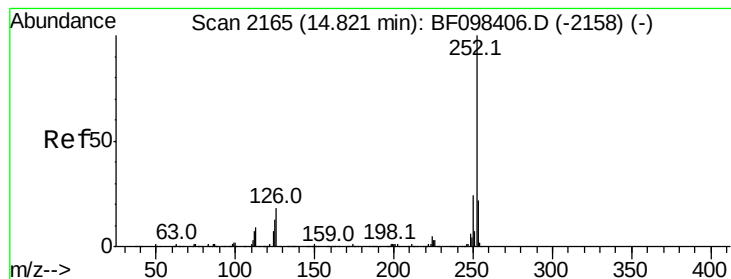
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	24.8	20.2	30.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	23.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 49.362 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

Instrument :

BNA_F

ClientSampleId :

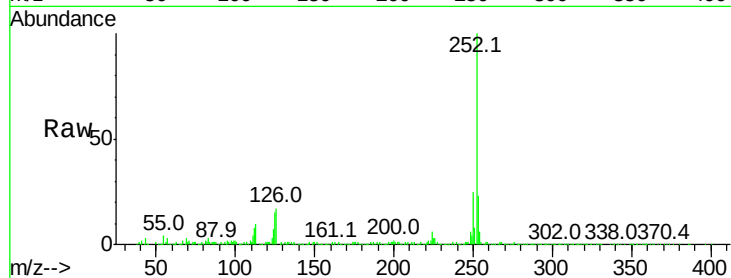
Tot Ion:252 Resp: 1118632

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

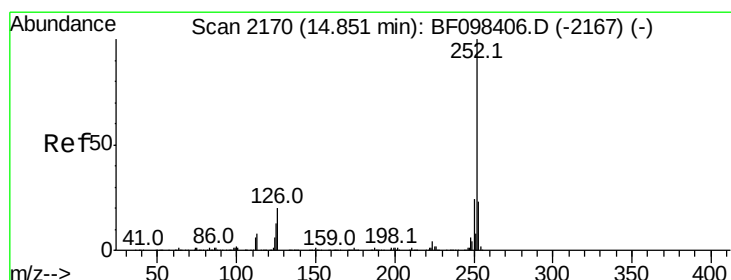
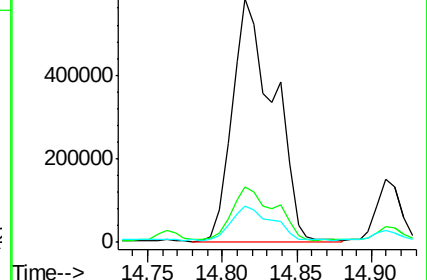
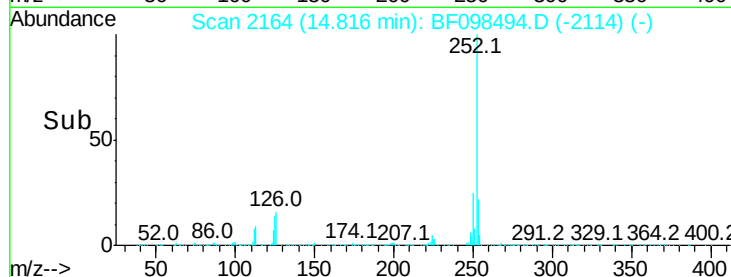
125 15.1 9.8 14.8#



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: 52.875 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF098494.D

Acq: 13 Sep 2017 17:21

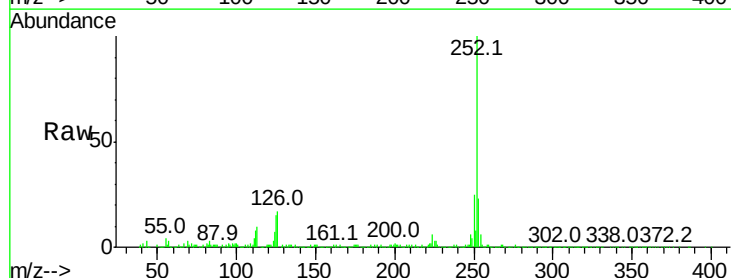
Tgt Ion:252 Resp: 1118632

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

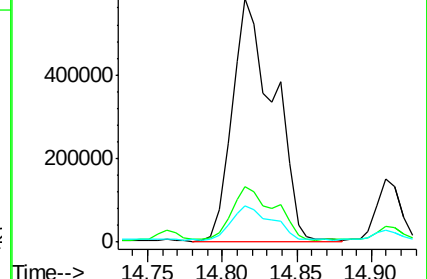
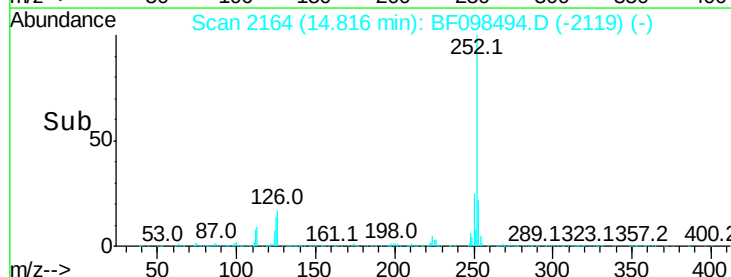
125 15.1 13.1 19.7

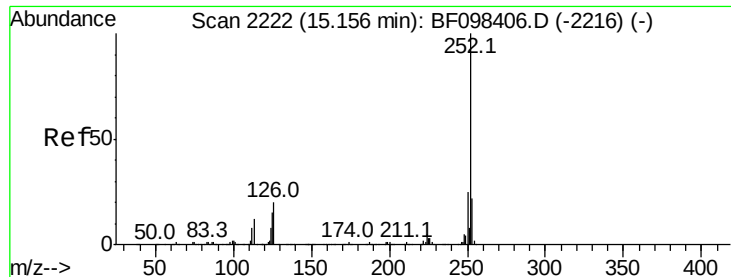


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

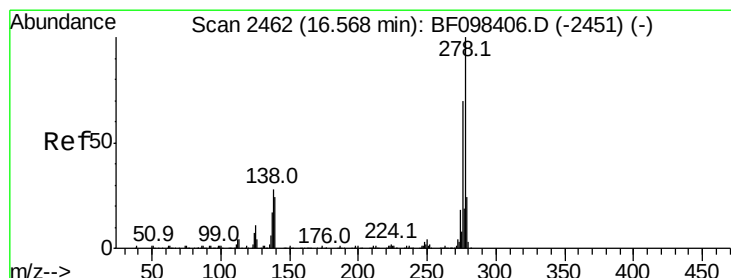
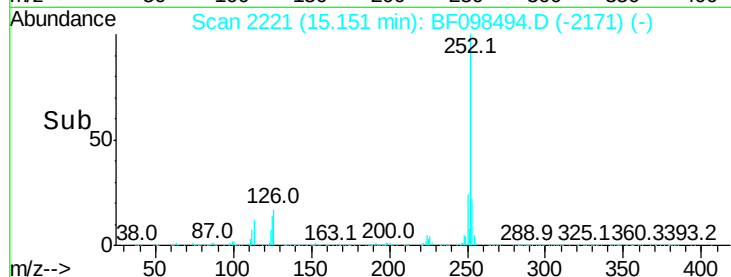
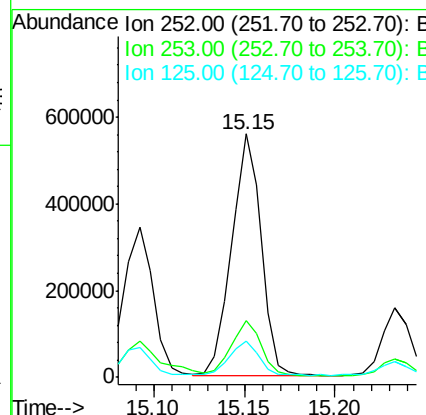
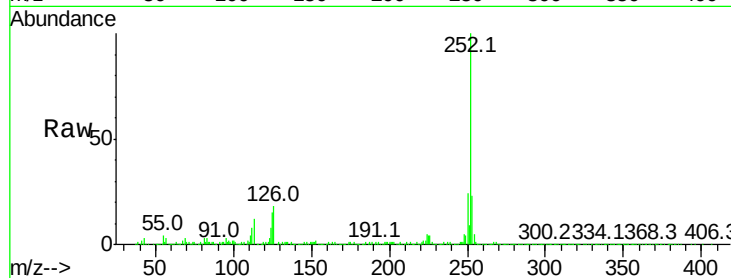




#89
Benzo(a)pyrene
Concen: 31.429 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

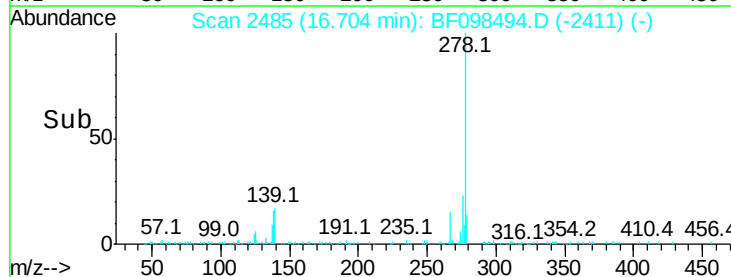
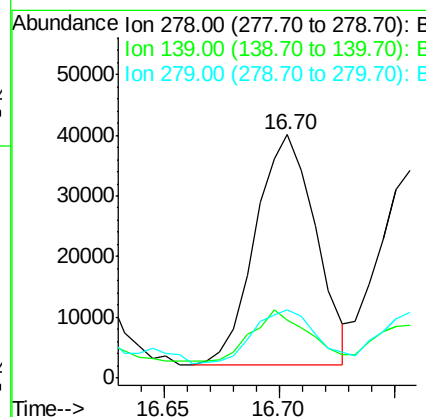
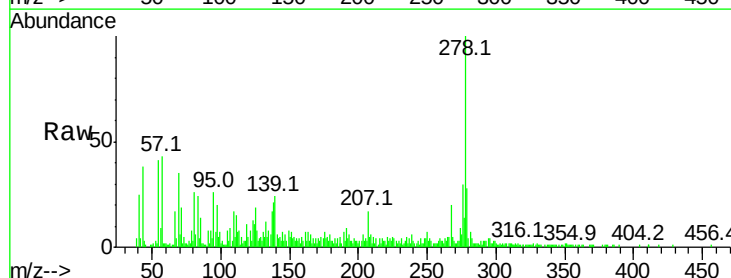
Instrument :
BNA_F
ClientSampleId :

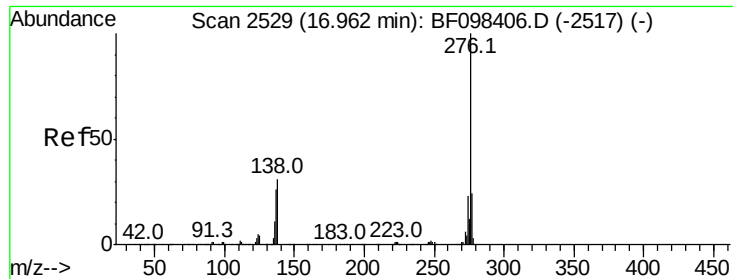
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.0	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.734 ng
RT: 16.70 min Scan# 2485
Delta R.T. 0.14 min
Lab File: BF098494.D
Acq: 13 Sep 2017 17:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	16.6	24.8
279	28.2	19.3	28.9

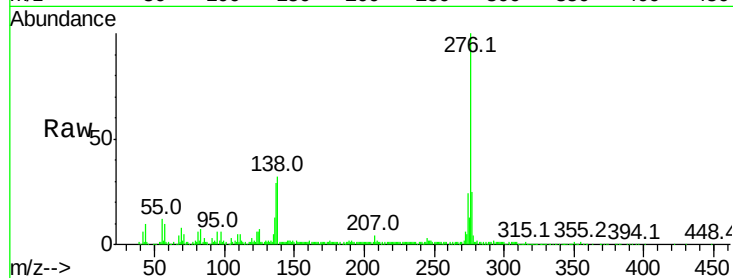




#91
 Benzo(a,h,i)perylene
 Concen: 19.424 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF098494.D
 Acq: 13 Sep 2017 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	286932
Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	31.6	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

