

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098721.D
 Acq On : 23 Sep 2017 2:56
 Operator : SJ/JU
 Sample : I5308-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 04:52:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	153202	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	625404	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	258103	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	377262	20.00	ng	0.00
75) Chrysene-d12	14.09	240	321745	20.00	ng	0.00
86) Perylene-d12	15.59	264	273948	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	723185	71.68	ng	0.00
7) Phenol-d6	6.55	99	906025	74.16	ng	0.00
23) Nitrobenzene-d5	7.49	82	507916	55.09	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	159196	67.44	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	755066	46.55	ng	0.00
78) Terphenyl-d14	13.03	244	565707	37.75	ng	0.00

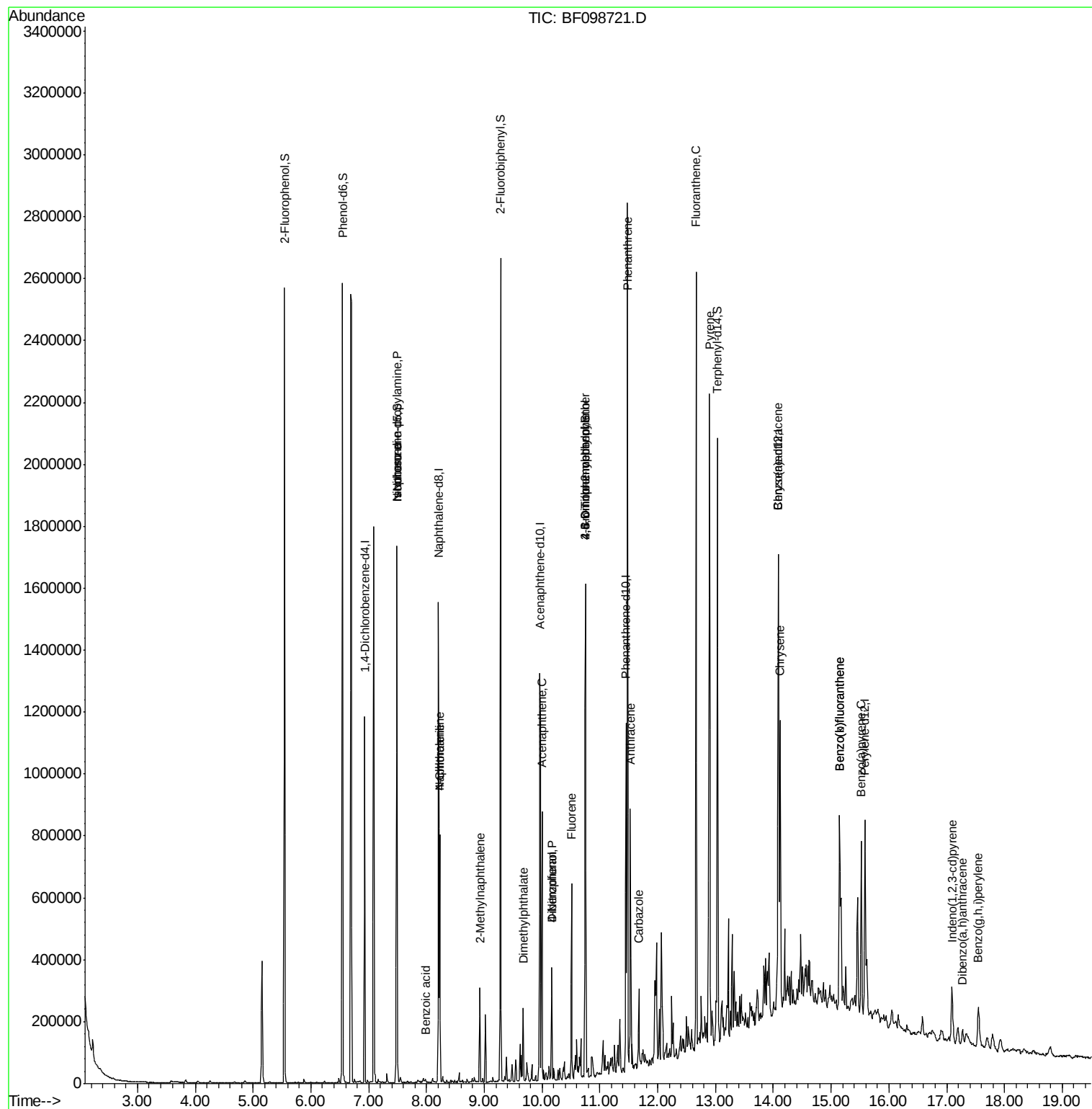
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.49	70	67575	8.93	ng	# 79
25) Isophorone	7.49	82	507428	25.24	ng	# 64
31) Naphthalene	8.23	128	329246	11.09	ng	100
32) Benzoic acid	7.98	122	3251	2.42	ng	# 15
33) 4-Chloroaniline	8.23	127	42745	3.46	ng	# 34
37) 2-Methylnaphthalene	8.92	142	73656	3.86	ng	99
49) Dimethylphthalate	9.67	163	87917	4.54	ng	97
51) Acenaphthene	10.00	154	158721	10.00	ng	98
54) Dibenzofuran	10.17	168	118554	5.47	ng	98
55) 4-Nitrophenol	10.17	139	45394	11.46	ng	# 10
57) Fluorene	10.51	166	151750	8.71	ng	99
64) 4,6-Dinitro-2-methylphenol	10.75	198	339	9.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	9867	2.59	ng	# 1
70) Phenanthrene	11.48	178	992534	48.50	ng	99
71) Anthracene	11.53	178	277543	13.30	ng	99
72) Carbazole	11.67	167	92523	4.54	ng	99
74) Fluoranthene	12.67	202	915303	44.88	ng	99
77) Pyrene	12.90	202	802750	33.61	ng	99
80) Benzo(a)anthracene	14.08	228	424238	21.89	ng	99
82) Chrysene	14.12	228	352620	18.84	ng	97
85) Indeno(1,2,3-cd)pyrene	17.09	276	113981	7.85	ng	95
87) Benzo(b)fluoranthene	15.14	252	490892	30.90	ng	# 95
88) Benzo(k)fluoranthene	15.14	252	490892	30.92	ng	98
89) Benzo(a)pyrene	15.52	252	258519	17.92	ng	97
90) Dibenzo(a,h)anthracene	17.28	278	26863	2.20	ng	93
91) Benzo(g,h,i)perylene	17.55	276	104787	8.54	ng	96

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

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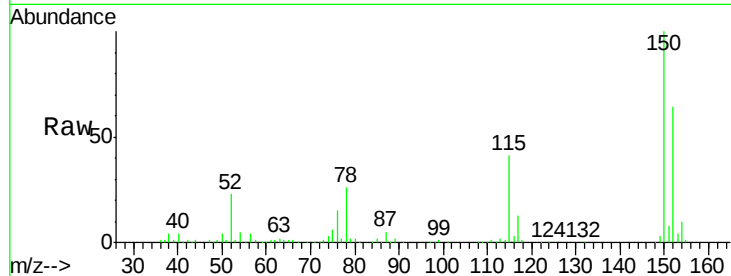


#1

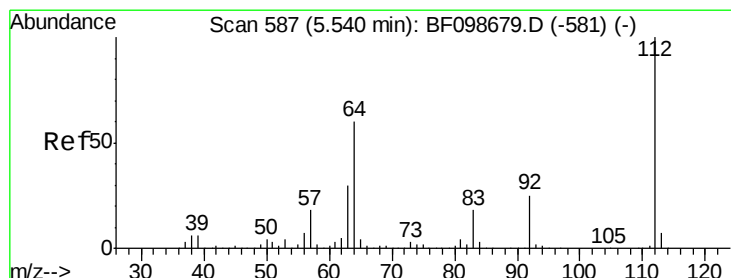
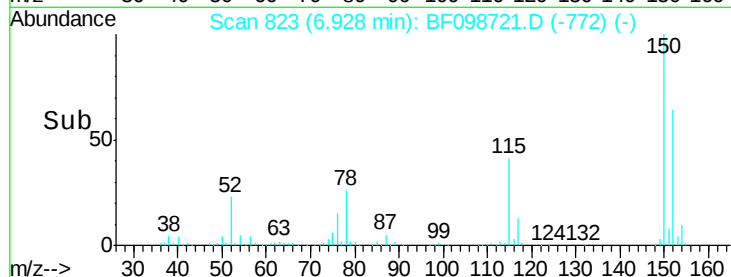
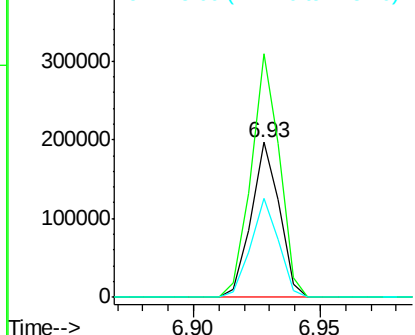
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153202
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 63.5 50.1 75.1



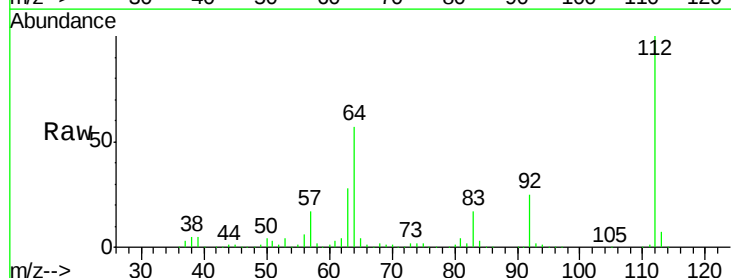
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



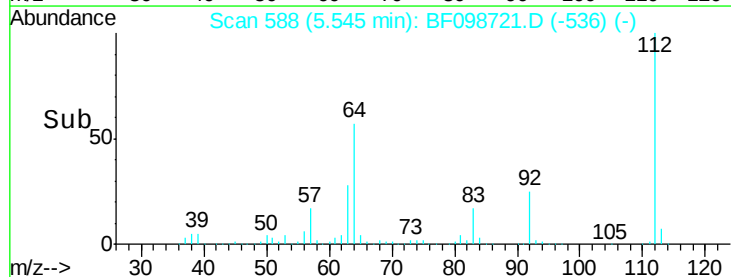
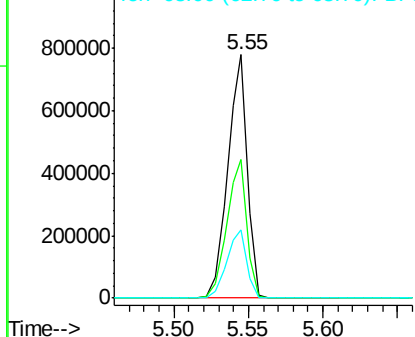
#5

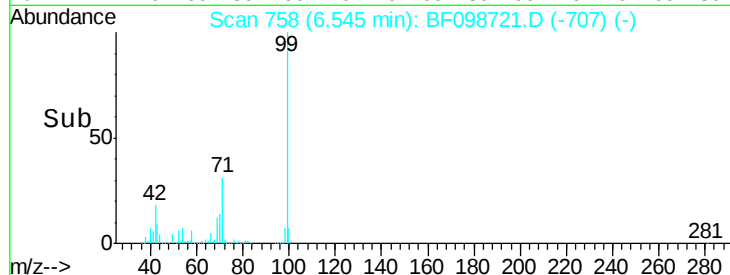
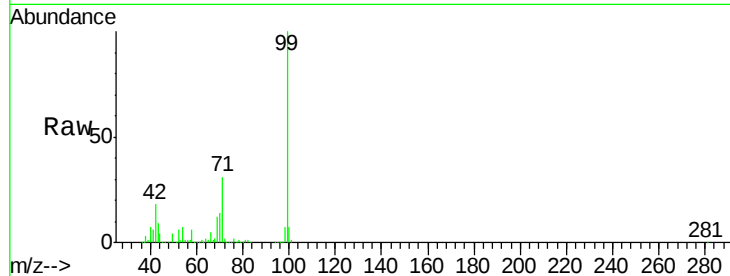
2-Fluorophenol
Concen: 71.68 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion:112 Resp: 723185
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 27.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.16 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

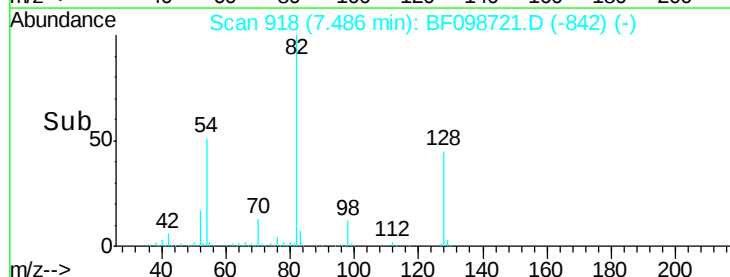
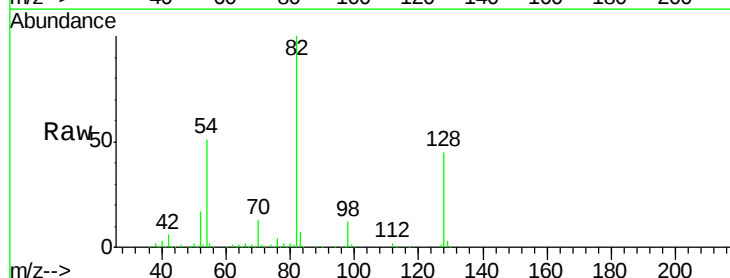
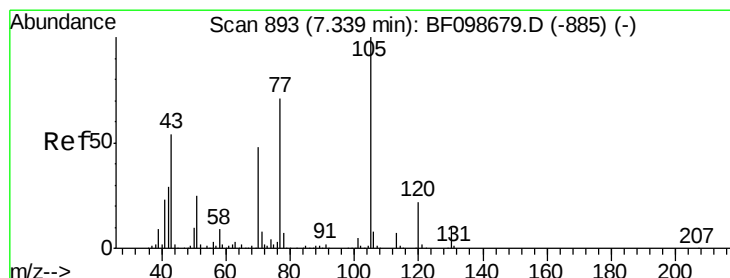
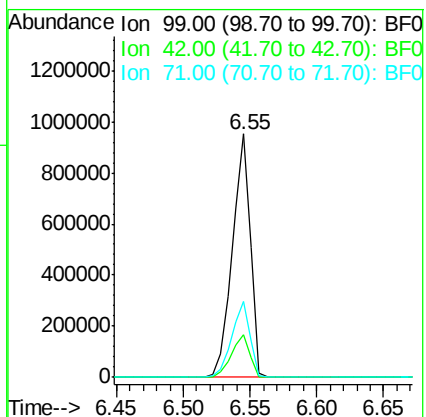
Tot Ion: 99 Resp: 906025

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

71 31.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.93 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.15 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Tgt Ion: 70 Resp: 67575

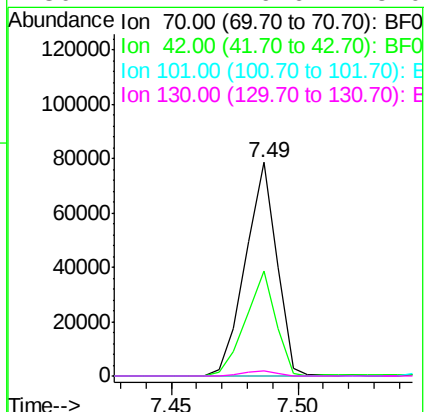
Ion Ratio Lower Upper

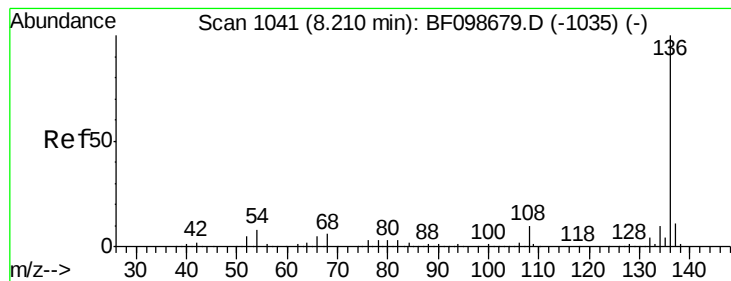
70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 625404

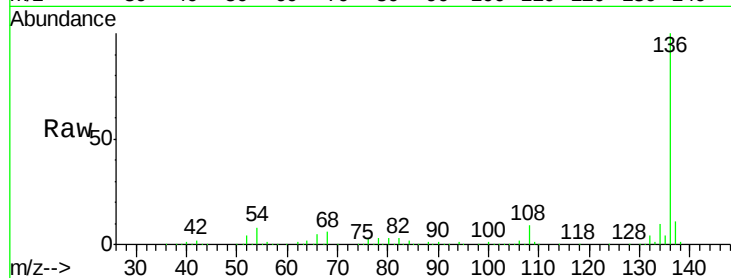
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 6.6 9.8

68 6.3 5.0 7.4

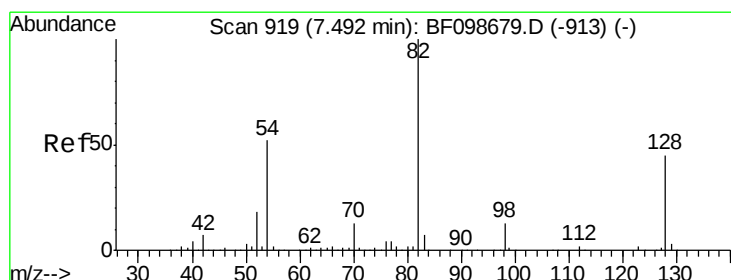
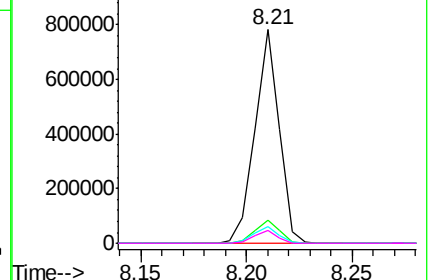
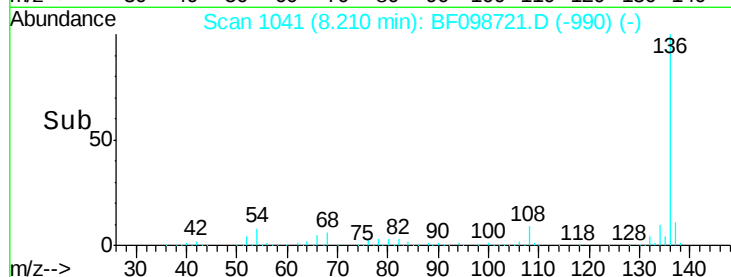


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 55.09 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

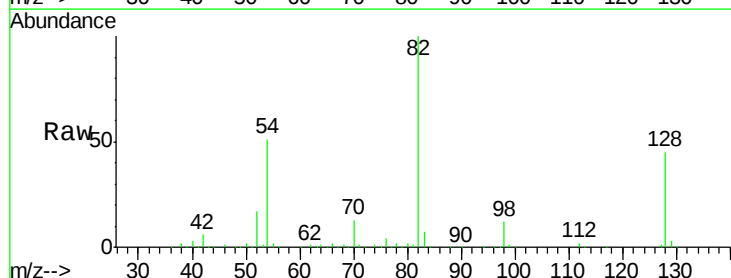
Tgt Ion: 82 Resp: 507916

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

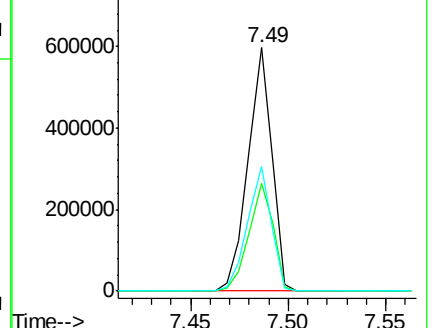
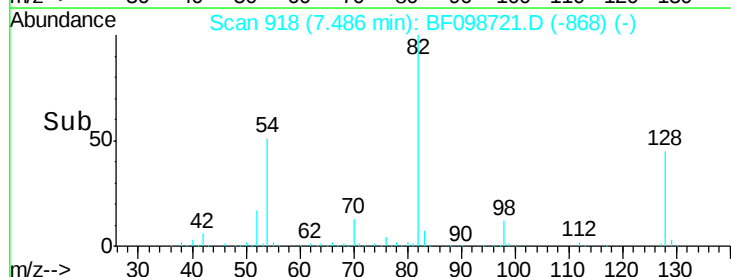
54 51.0 41.4 62.2

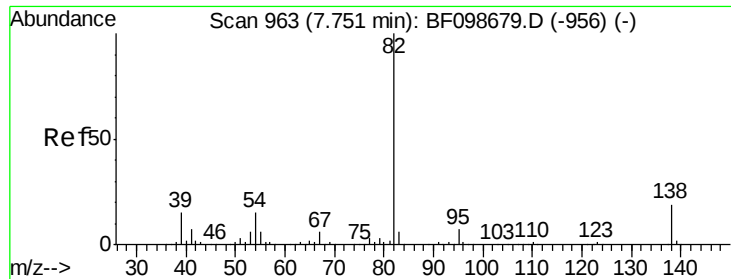


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.24 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

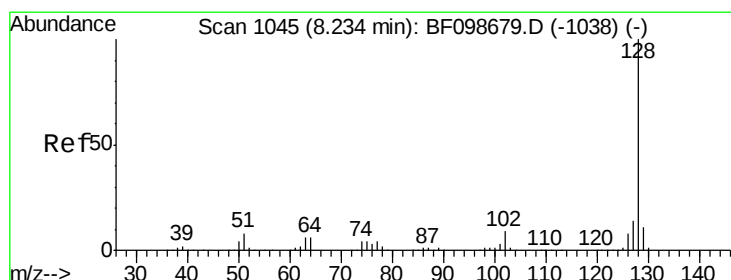
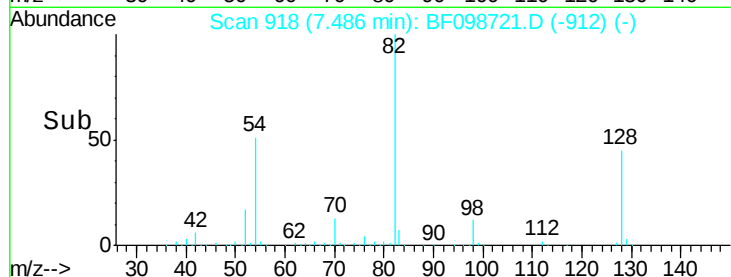
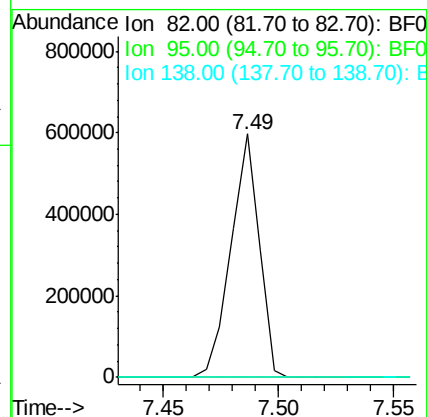
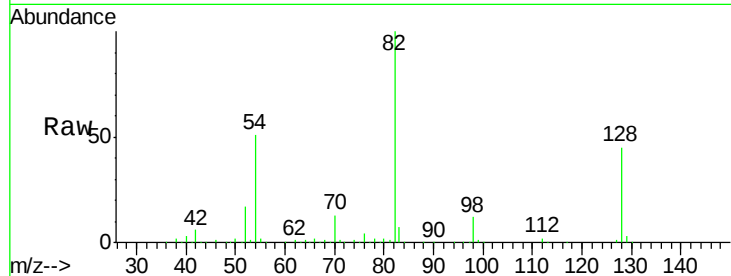
Tot Ion: 82 Resp: 507428

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 11.09 ng

RT: 8.23 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

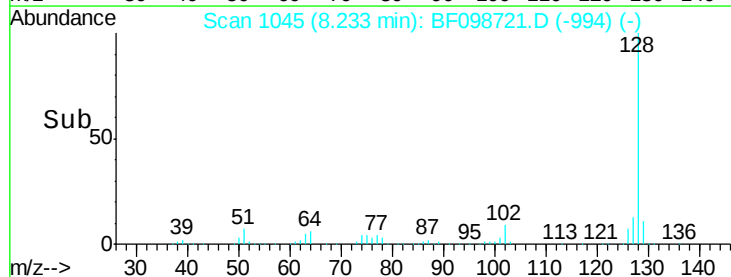
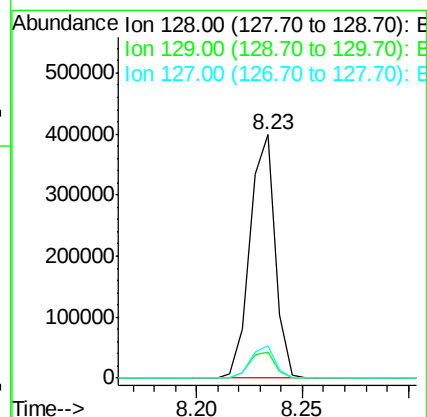
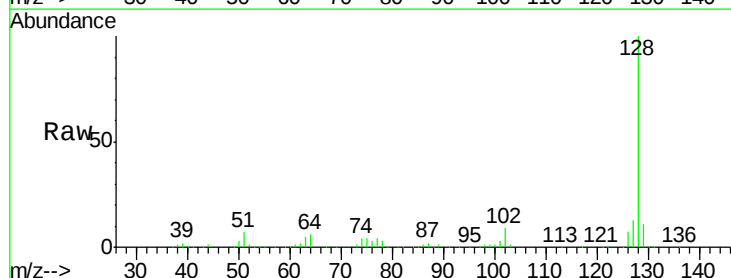
Tgt Ion: 128 Resp: 329246

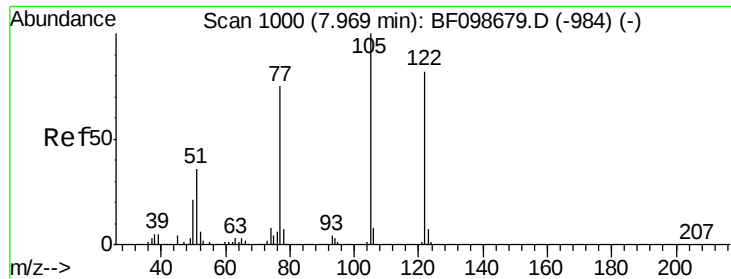
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.3 10.9 16.3

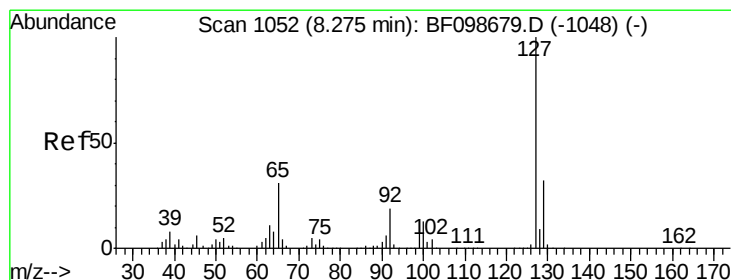
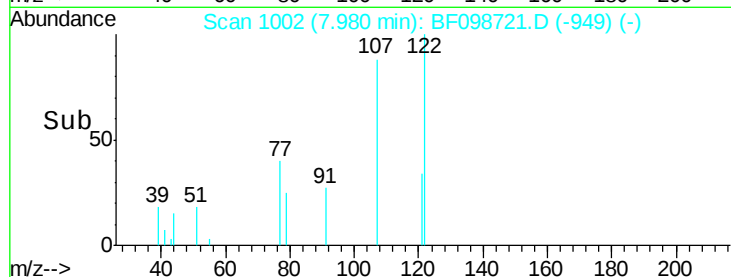
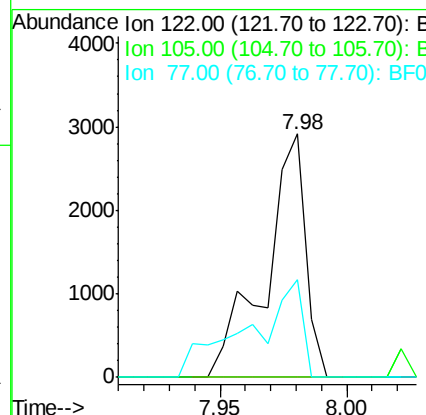
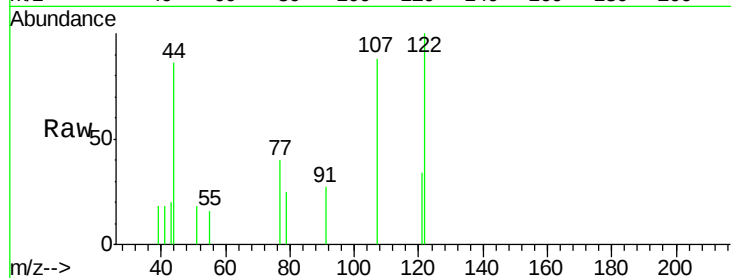




#32
Benzoic acid
Concen: 2.42 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

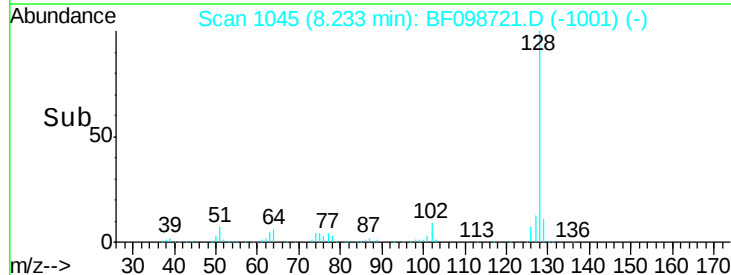
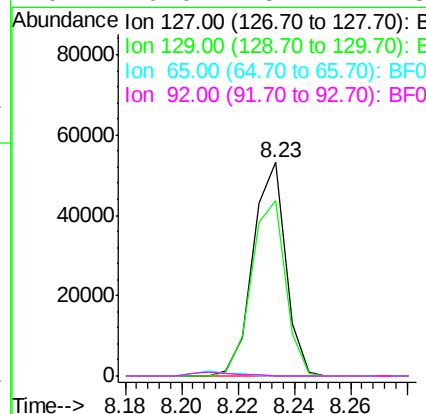
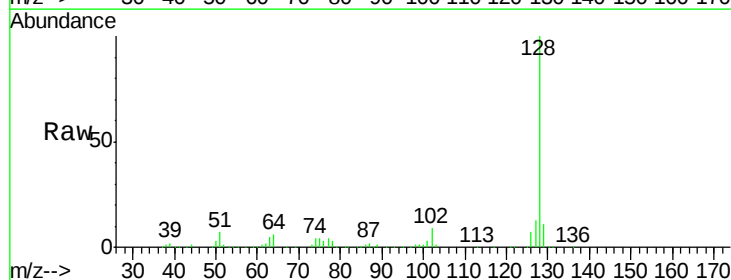
Instrument :
BNA_F
ClientSampleId :

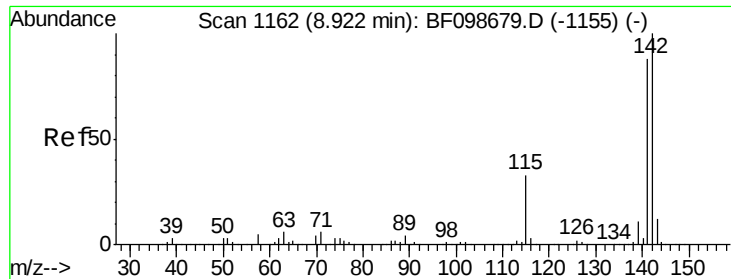
Tot Ion:122 Resp: 3251
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 40.1 70.7 110.7#



#33
4-Chloroaniline
Concen: 3.46 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion:127 Resp: 42745
Ion Ratio Lower Upper
127 100
129 81.8 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

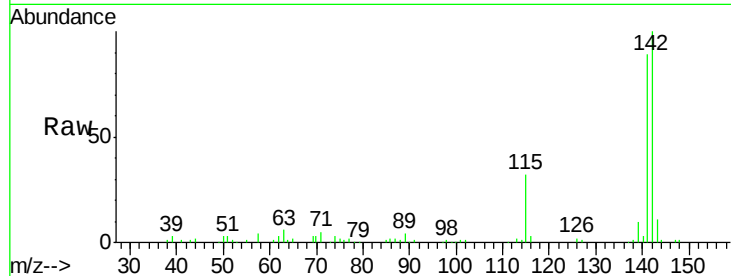




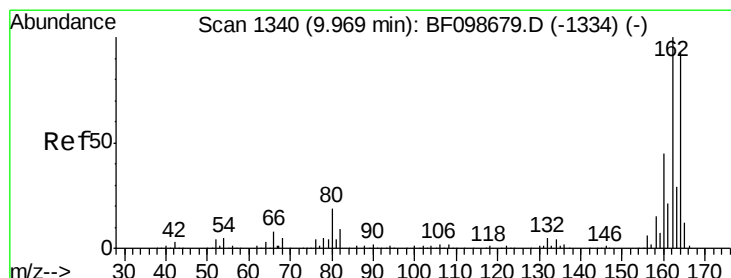
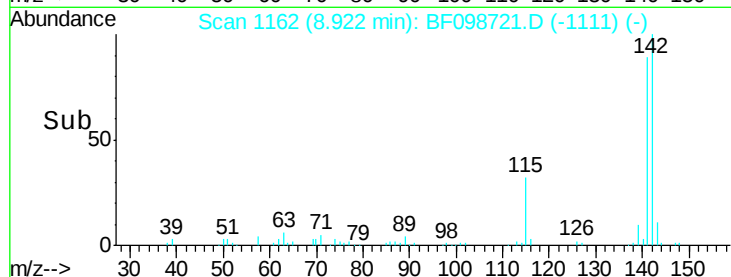
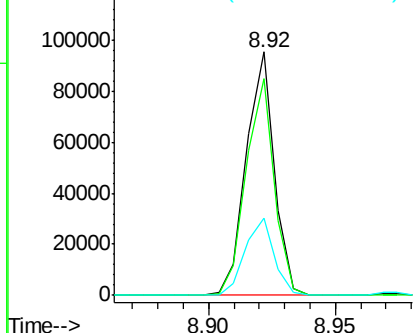
#37
2-Methylnaphthalene
Concen: 3.86 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 73656
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2
115 31.9 26.1 39.1

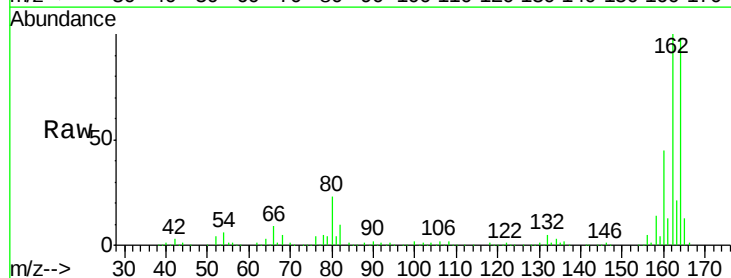


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

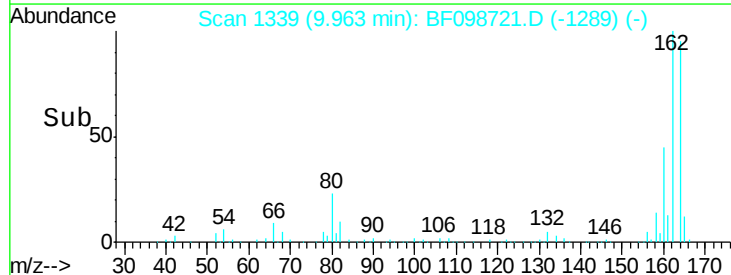
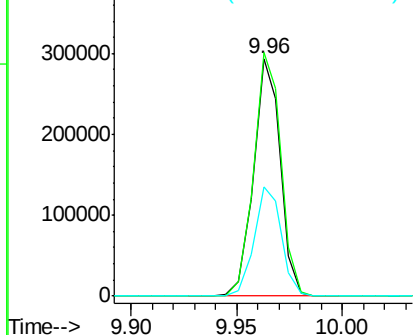


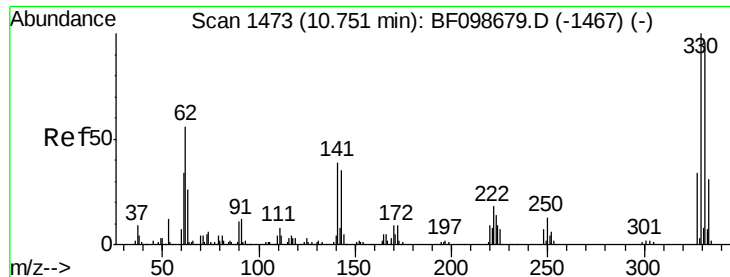
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion:164 Resp: 258103
Ion Ratio Lower Upper
164 100
162 102.5 86.1 129.1
160 45.8 38.3 57.5



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

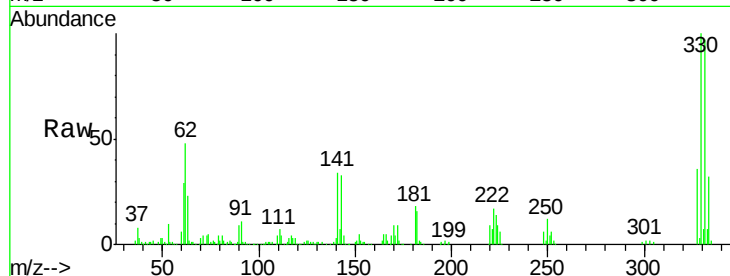




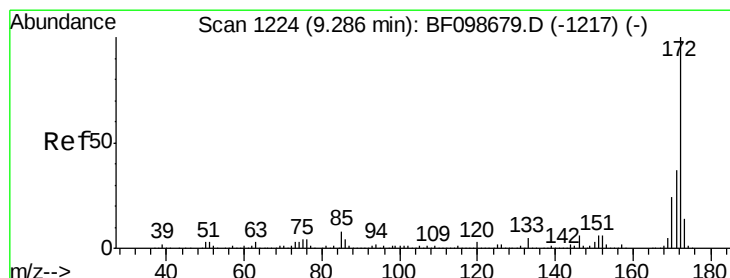
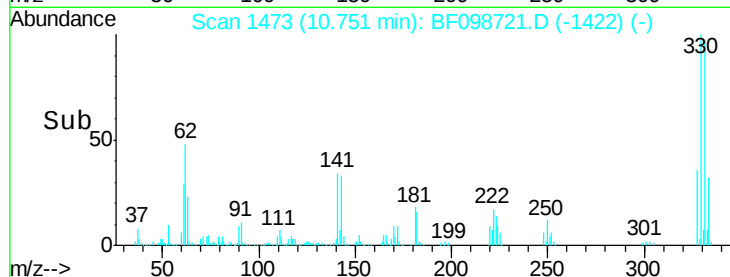
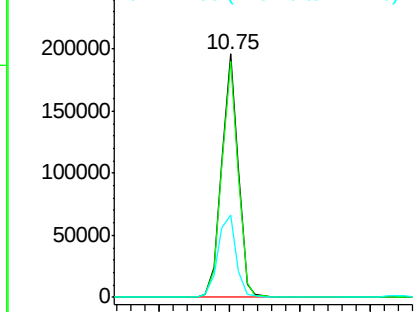
#41
 2,4,6-Tribromophenol
 Concen: 67.44 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.00 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	38.4	29.9	44.9

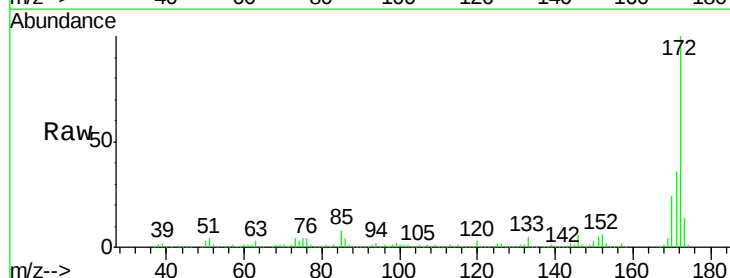


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

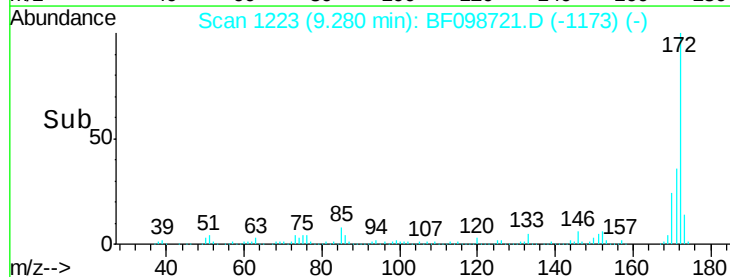
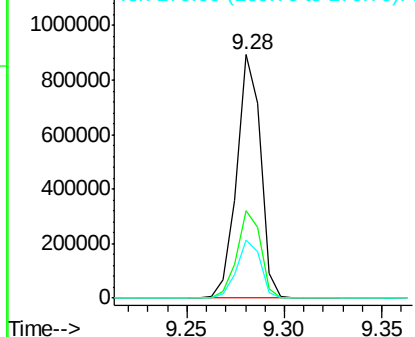


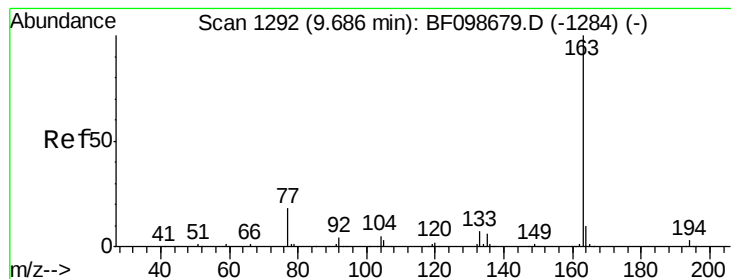
#44
 2-Fluorobiphenyl
 Concen: 46.55 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	19.6	29.4



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





#49

Dimethylphthalate

Concen: 4.54 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampled :

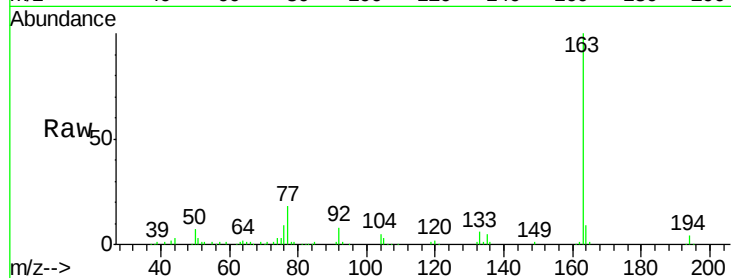
Tot Ion:163 Resp: 87917

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

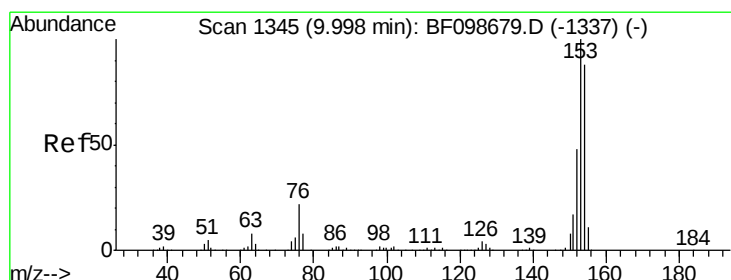
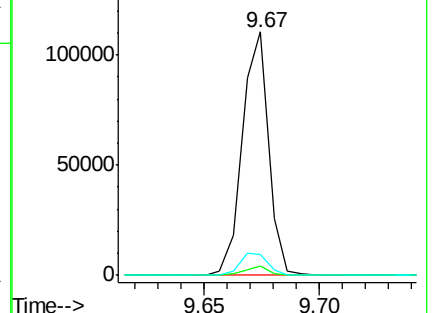
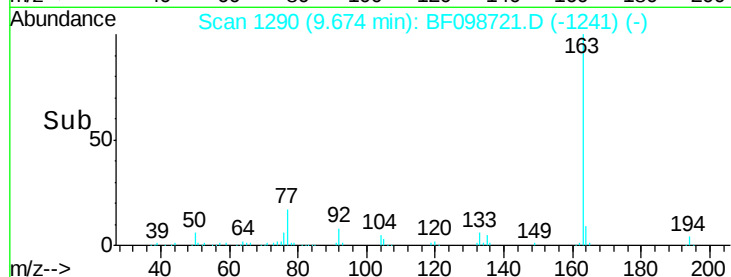
164 8.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 10.00 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

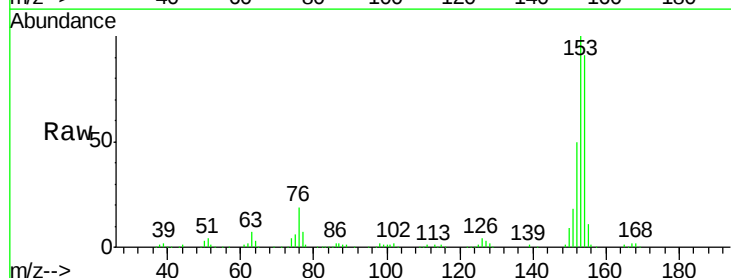
Tgt Ion:154 Resp: 158721

Ion Ratio Lower Upper

154 100

153 110.4 91.2 136.8

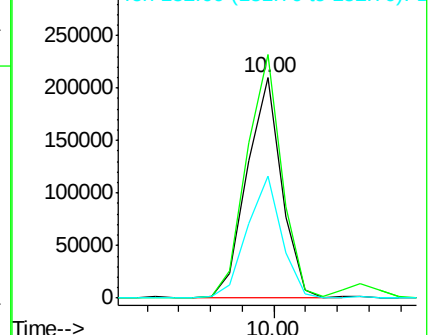
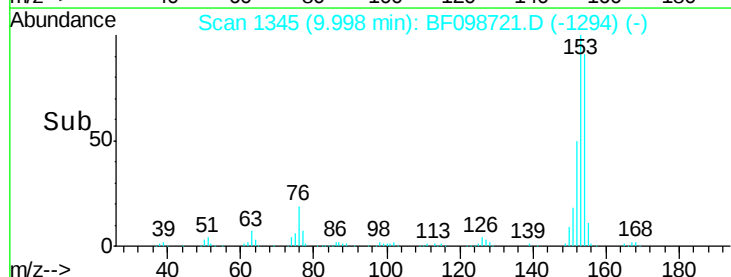
152 55.3 43.8 65.8

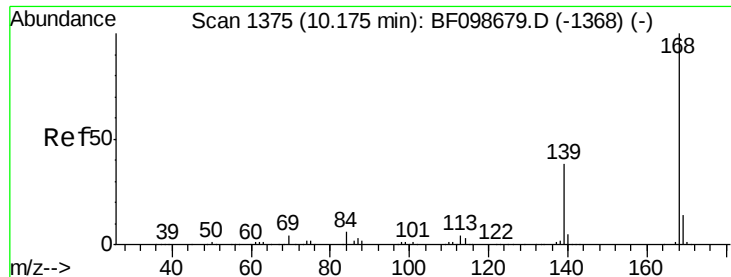


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 5.47 ng

RT: 10.17 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

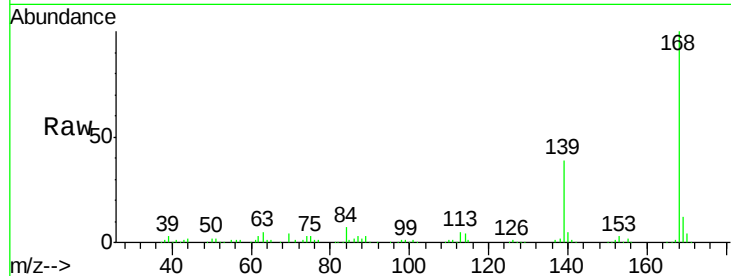
Tot Ion:168 Resp: 118554

Ion Ratio Lower Upper

168 100

139 38.7 30.1 45.1

169 12.2 10.9 16.3

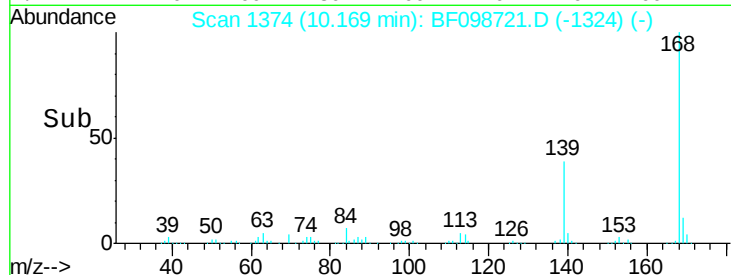


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->



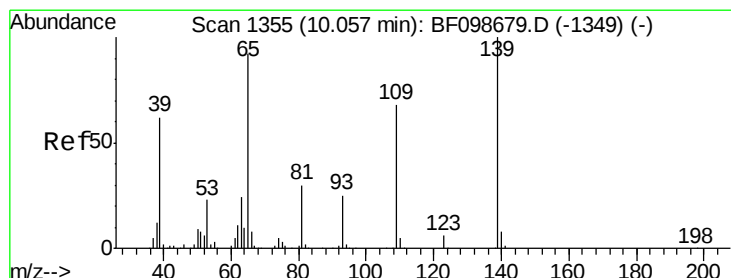
Abundance

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

Time-->



#55

4-Nitrophenol

Concen: 11.46 ng

RT: 10.17 min Scan# 1374

Delta R.T. 0.11 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

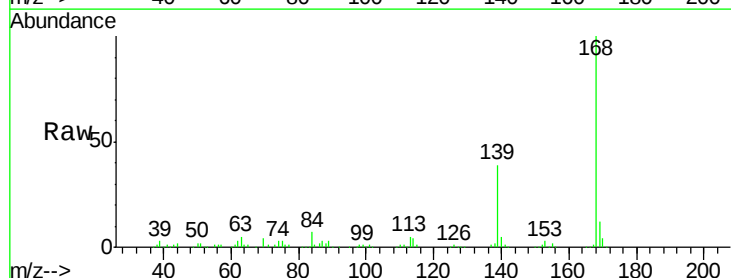
Tgt Ion:139 Resp: 45394

Ion Ratio Lower Upper

139 100

109 1.0 48.4 88.4#

65 1.9 72.6 112.6#

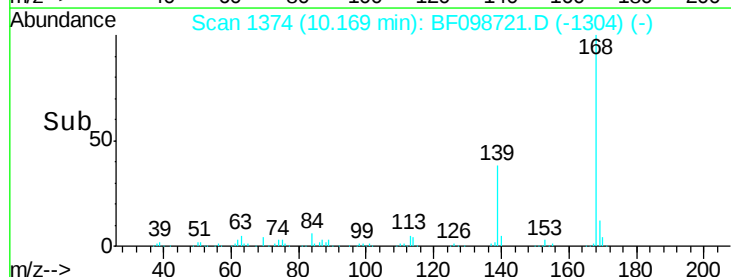


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->



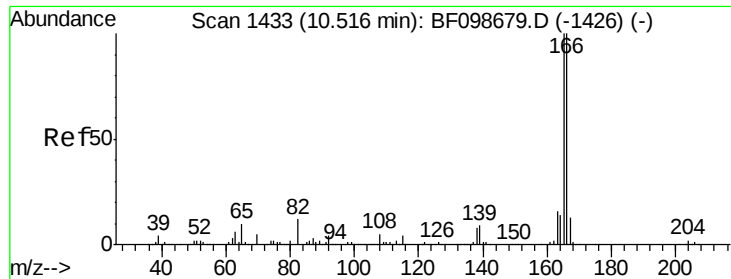
Abundance

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

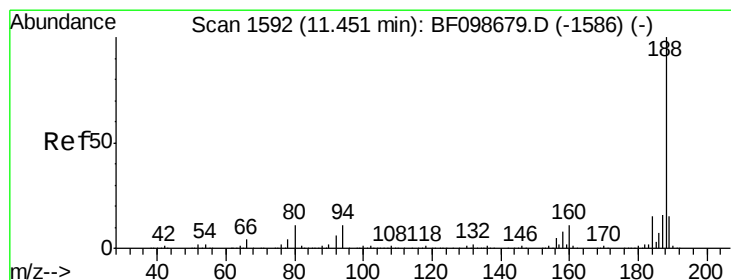
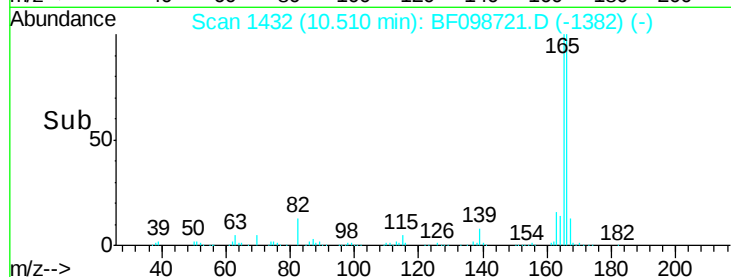
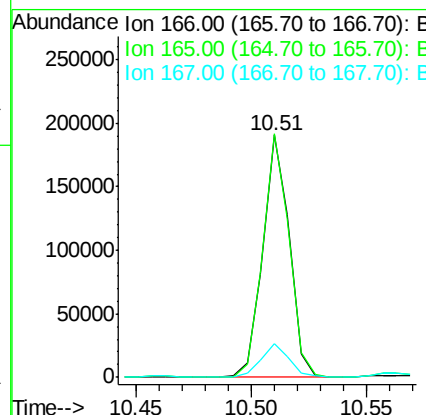
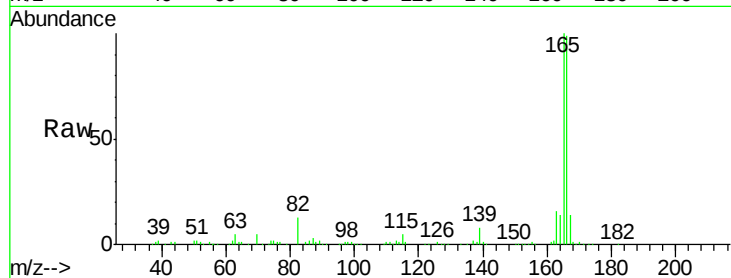
Time-->



#57
 Fluorene
 Concen: 8.71 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

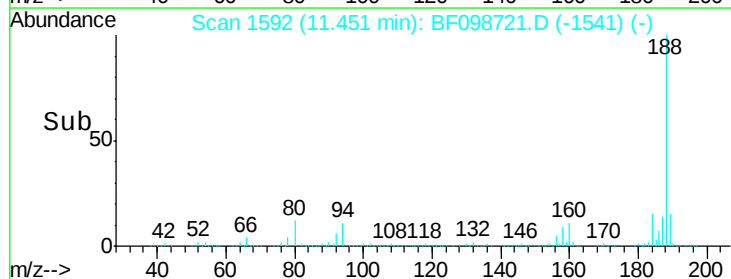
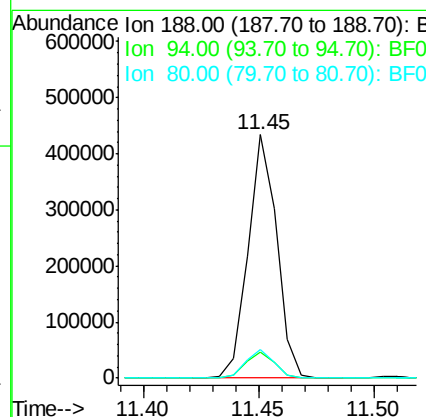
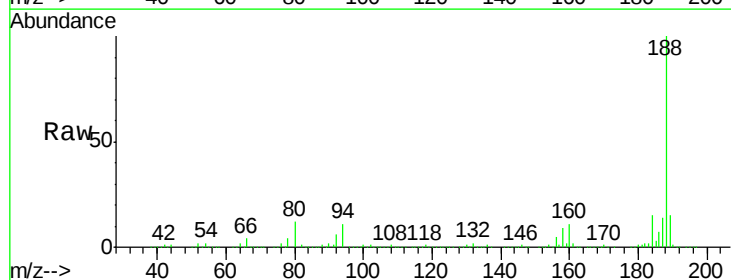
Instrument :
 BNA_F
 ClientSampleId :

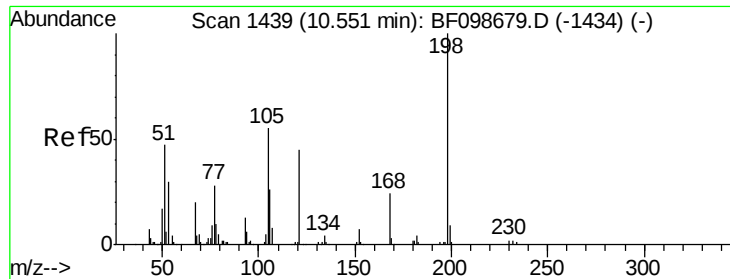
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.8
167	13.7	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.8	9.2	13.8

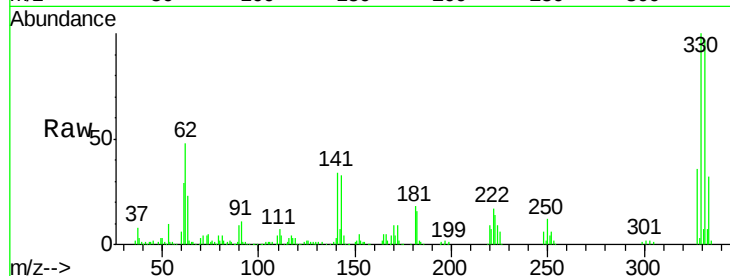




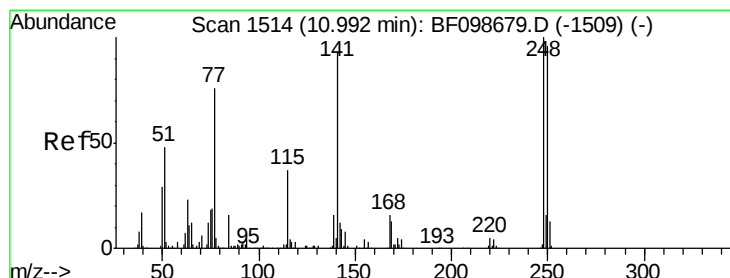
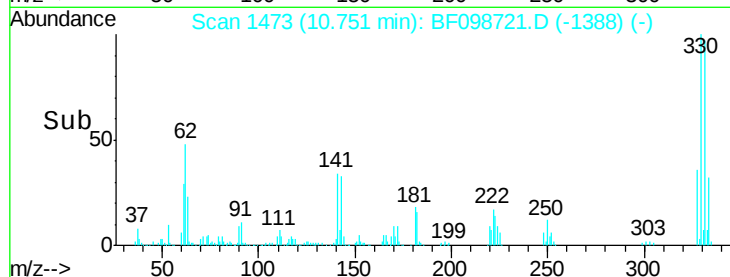
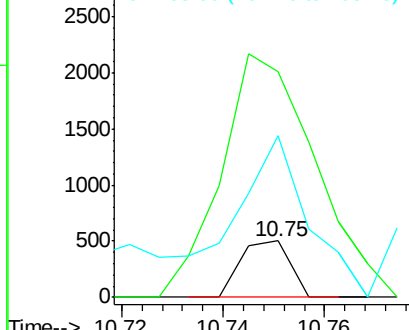
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.10 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.20 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 339
 Ion Ratio Lower Upper
 198 100
 51 399.0 37.7 77.7#
 105 287.1 36.3 76.3#

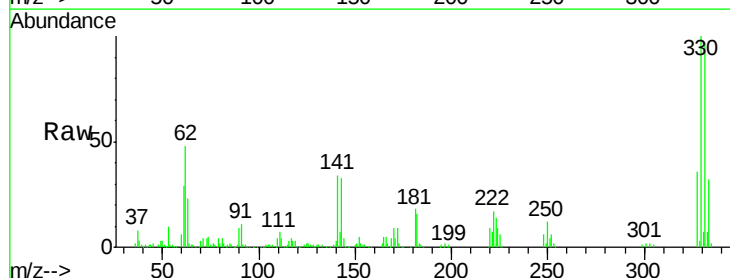


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

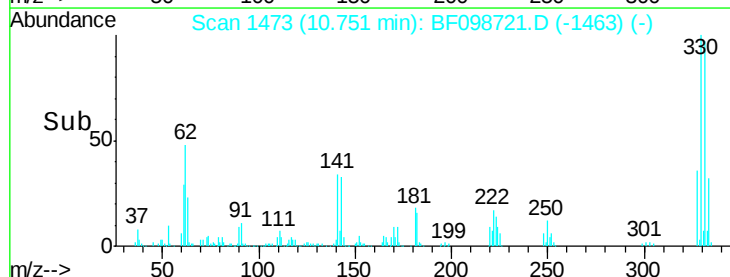
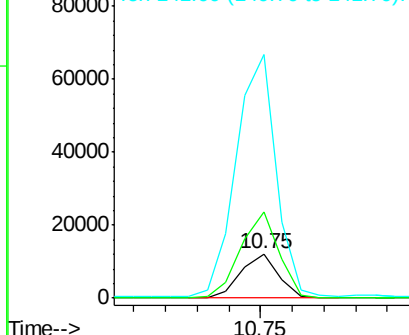


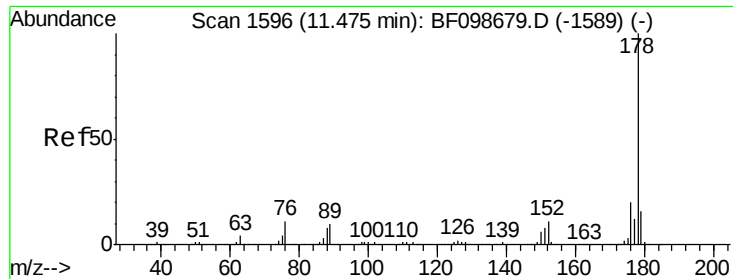
#66
 4-Bromophenyl-phenylether
 Concen: 2.59 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. -0.24 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Tgt Ion:248 Resp: 9867
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 551.2 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

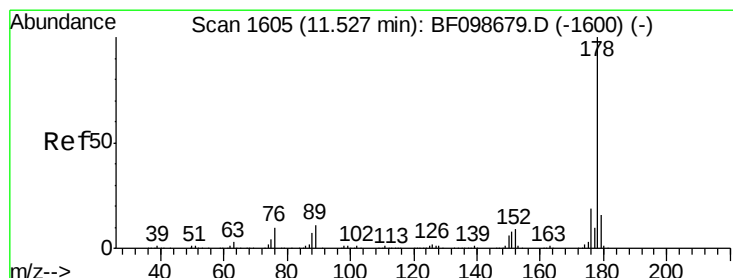
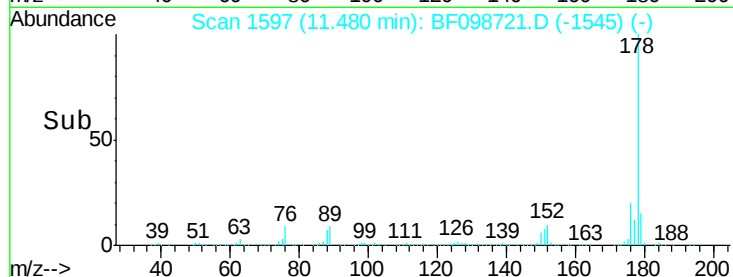
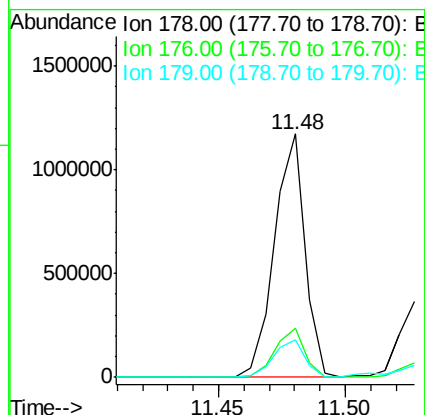
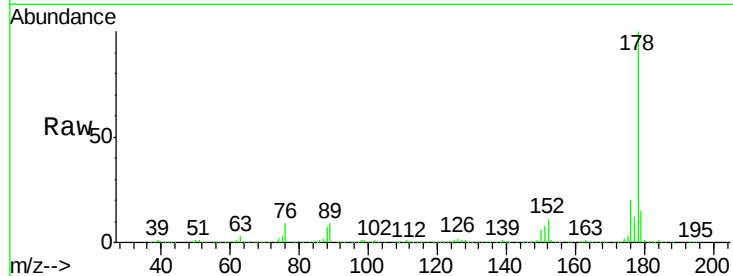




#70
 Phenanthrene
 Concen: 48.50 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

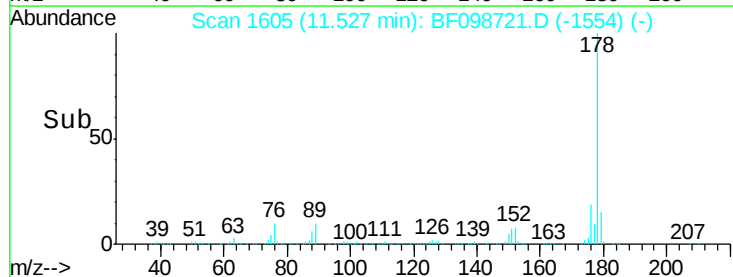
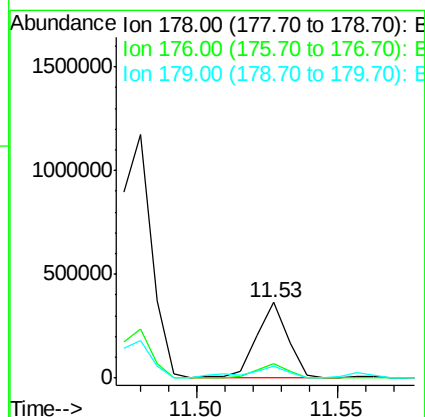
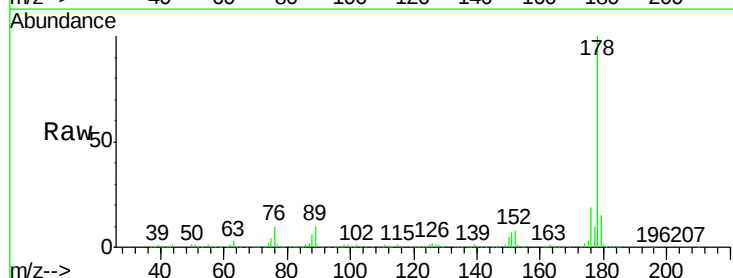
Instrument :
 BNA_F
 ClientSampleId :

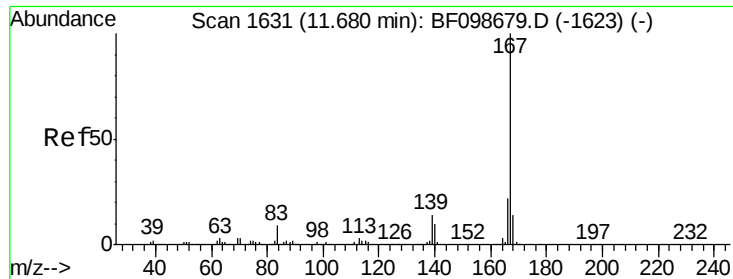
Tot Ion:178 Resp: 992534
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.5 13.0 19.6



#71
 Anthracene
 Concen: 13.30 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Tgt Ion:178 Resp: 277543
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.1 12.6 19.0





#72

Carbazole

Concen: 4.54 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

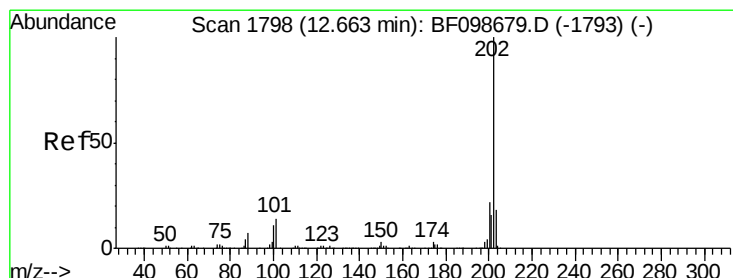
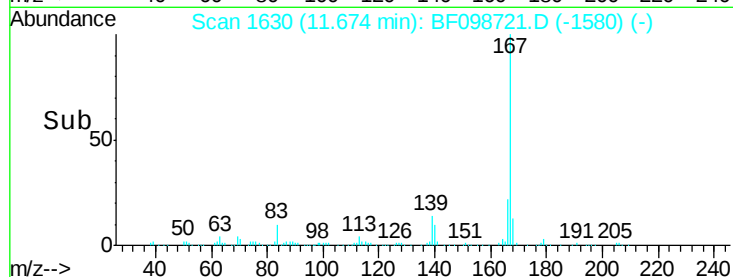
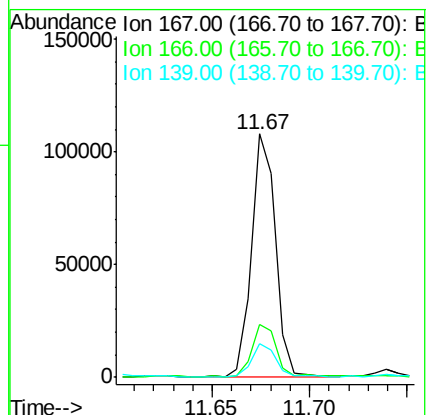
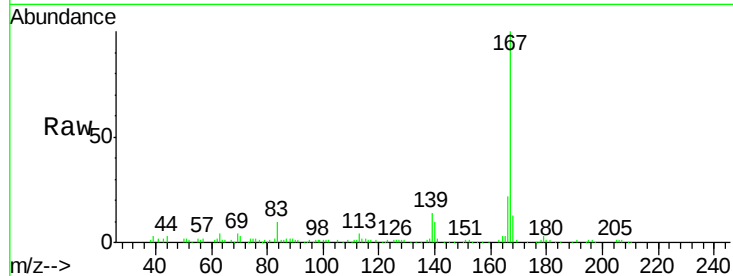
Tot Ion:167 Resp: 92523

Ion Ratio Lower Upper

167 100

166 21.5 17.6 26.4

139 13.8 10.9 16.3



#74

Fluoranthene

Concen: 44.88 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

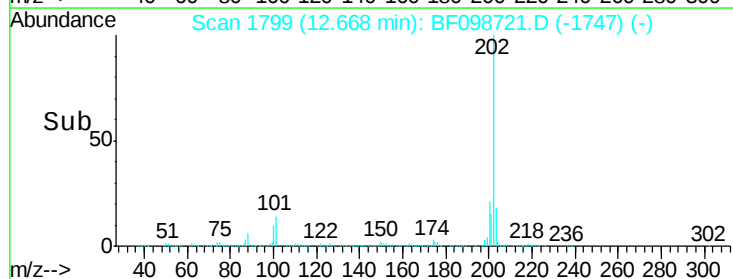
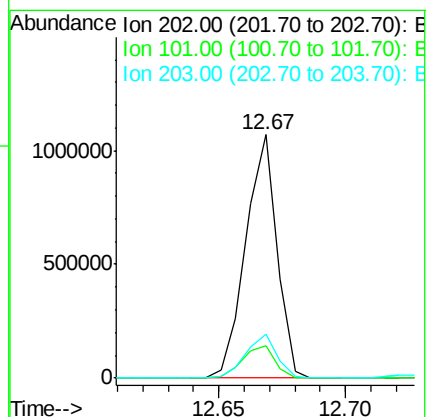
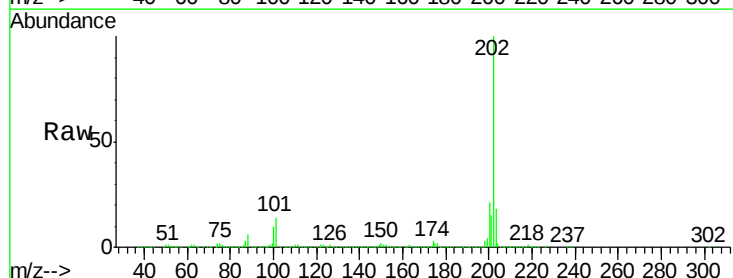
Tgt Ion:202 Resp: 915303

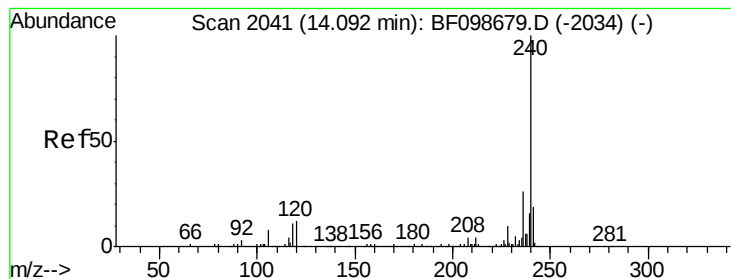
Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.1

203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampled :

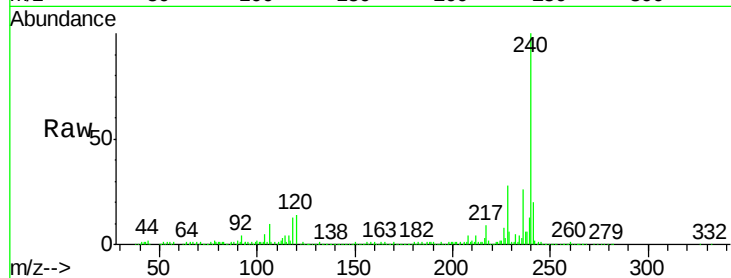
Tot Ion:240 Resp: 321745

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

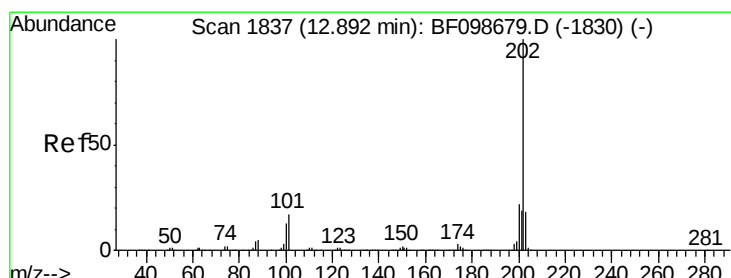
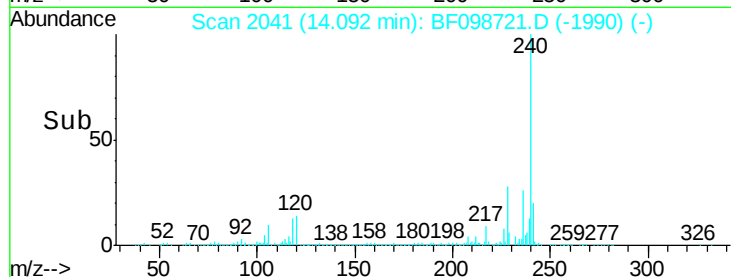
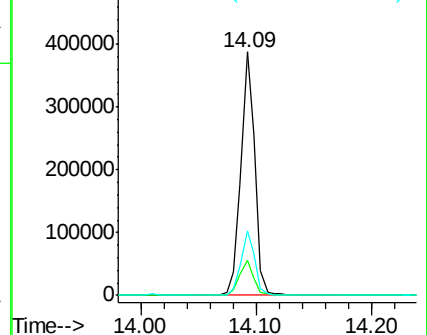
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 33.61 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

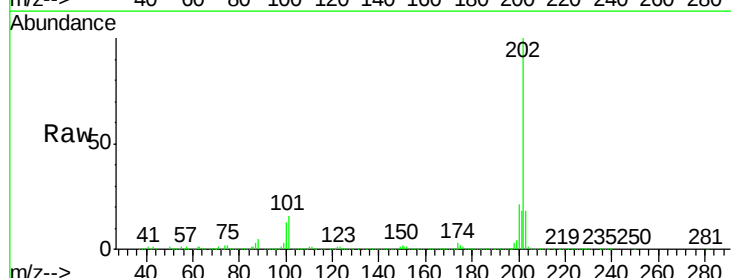
Tgt Ion:202 Resp: 802750

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

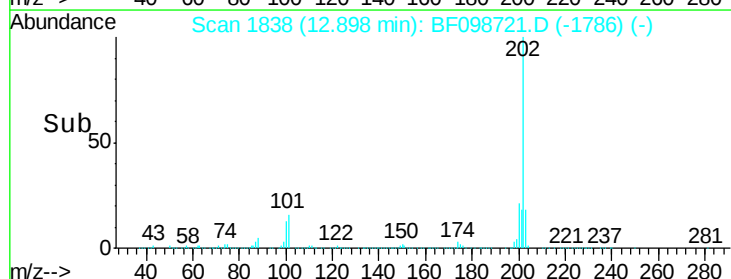
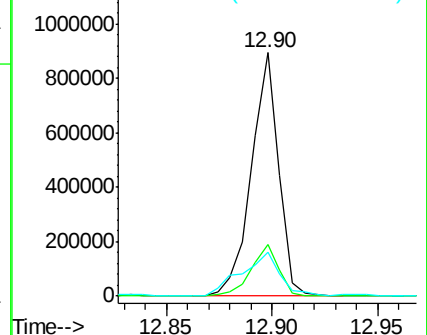
203 17.9 14.3 21.5

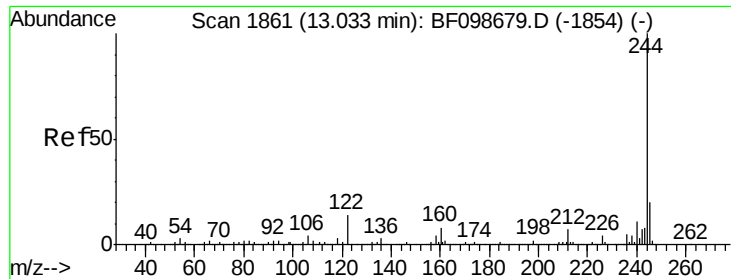


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

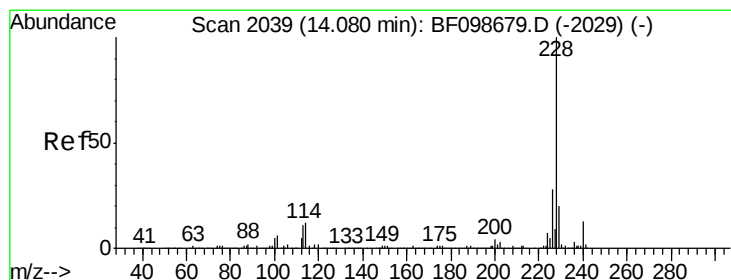
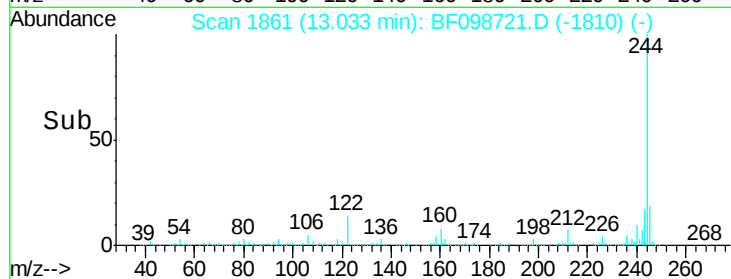
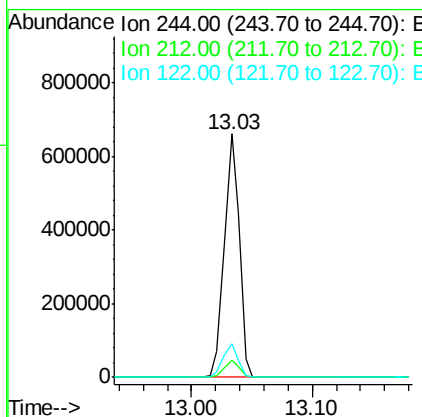
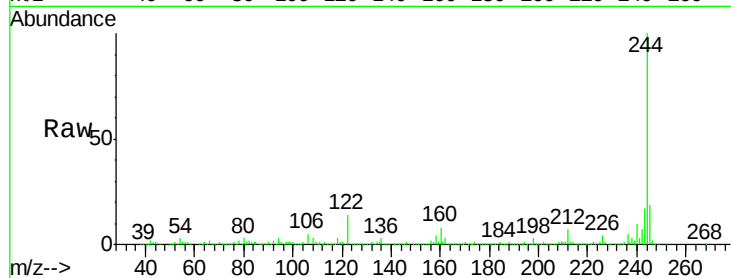




#78
 Terphenyl-d14
 Concen: 37.75 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

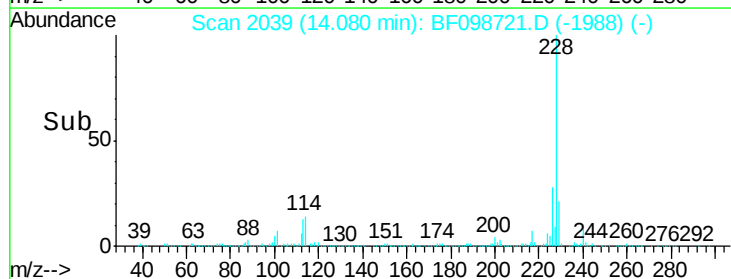
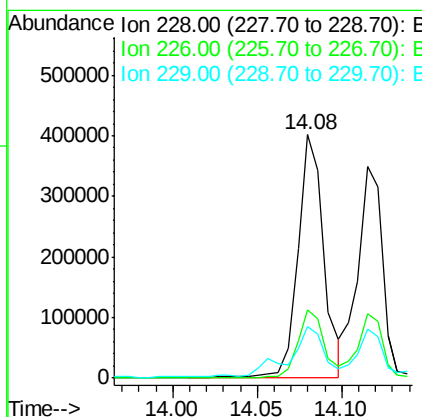
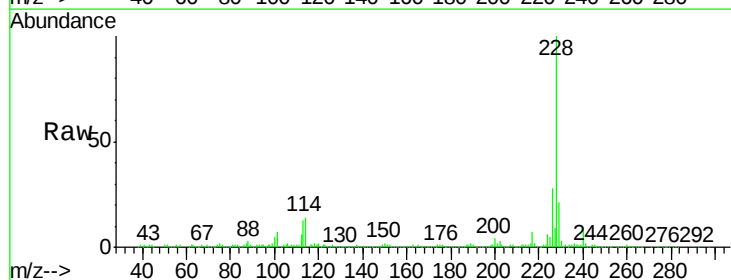
Instrument :
 BNA_F
 ClientSampleId :

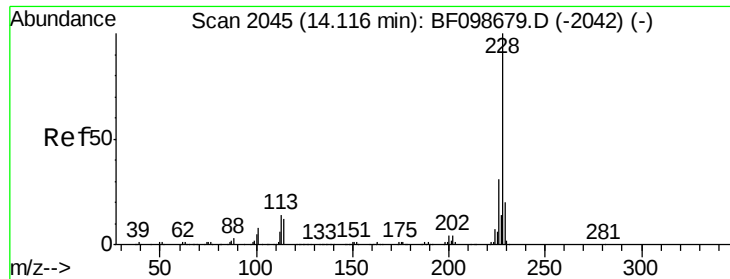
Tot Ion:244 Resp: 565707
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 21.89 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BF098721.D
 Acq: 23 Sep 2017 2:56

Tgt Ion:228 Resp: 424238
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 21.2 15.8 23.6

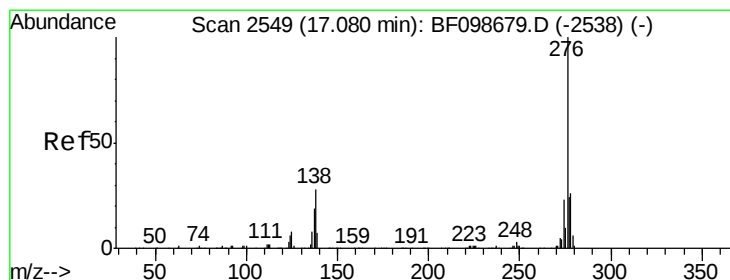
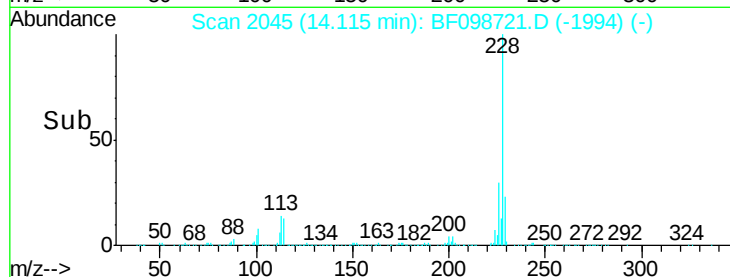
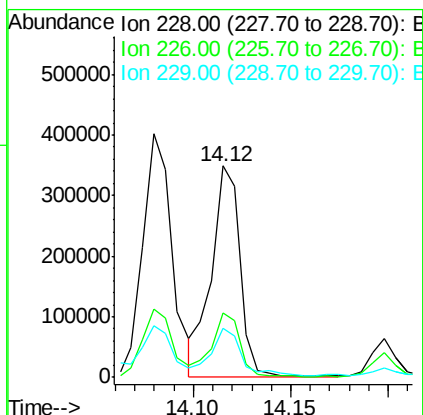
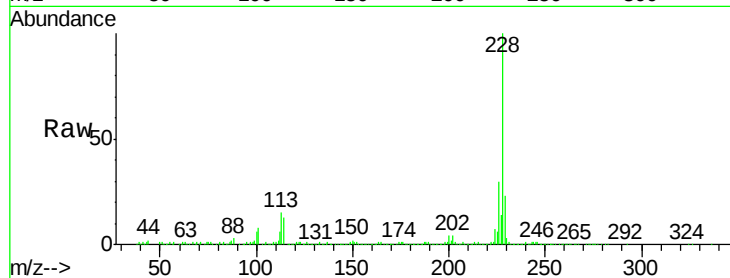




#82
Chrysene
Concen: 18.84 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

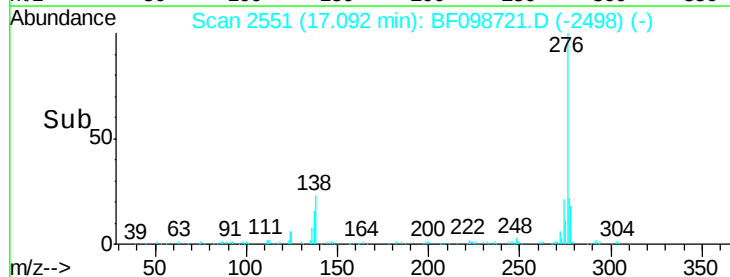
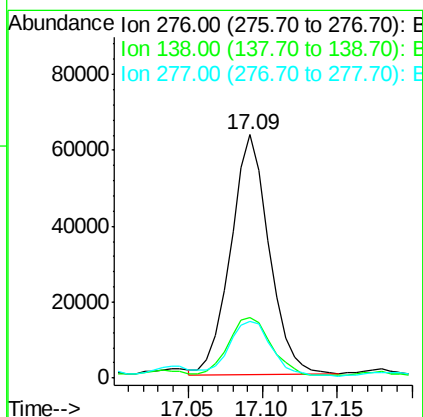
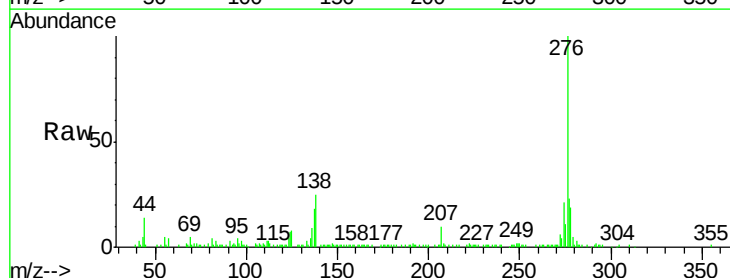
Instrument :
BNA_F
ClientSampleId :

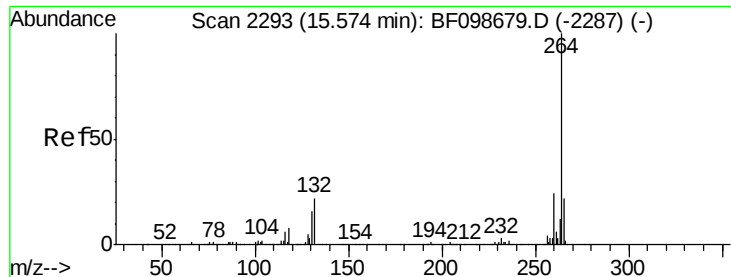
Tot Ion:228 Resp: 352620
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 23.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.85 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion:276 Resp: 113981
Ion Ratio Lower Upper
276 100
138 26.4 25.0 37.6
277 24.9 20.1 30.1

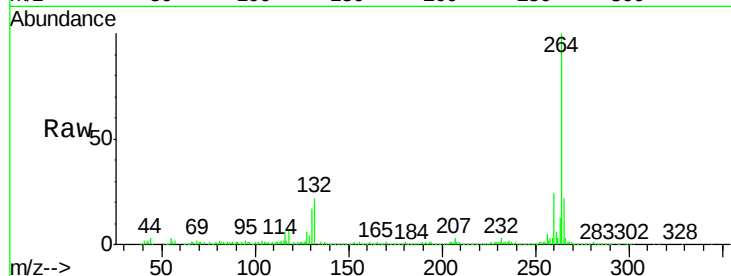




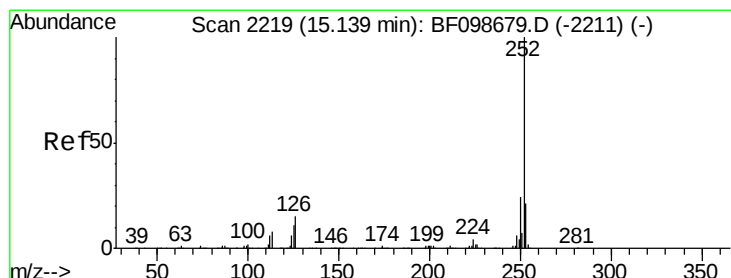
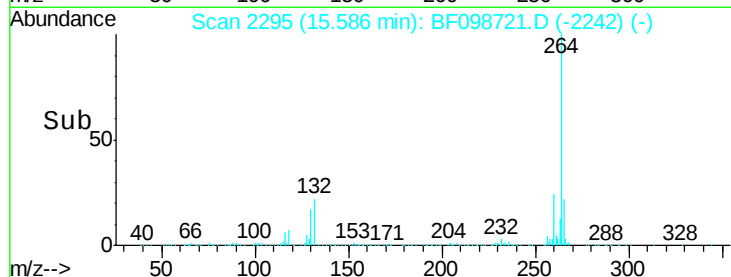
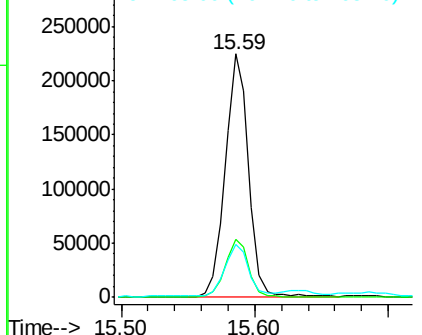
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 273948
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 17.5 26.3

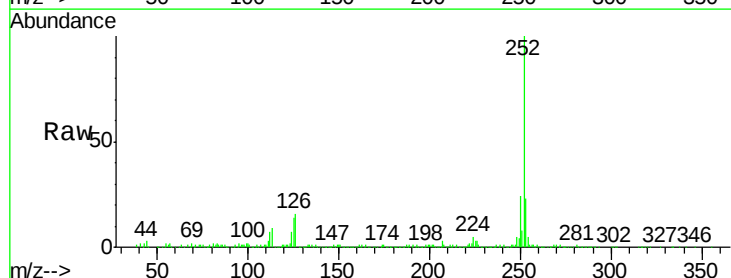


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

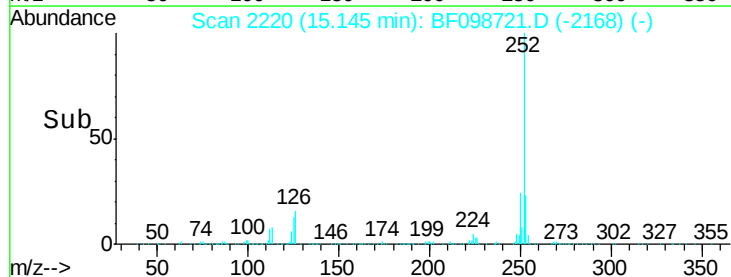
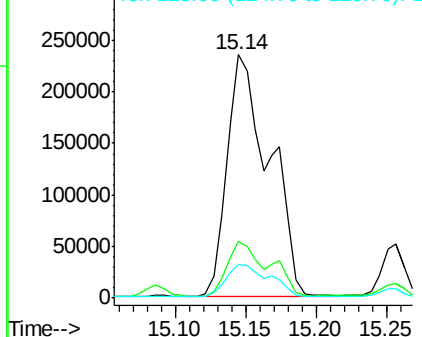


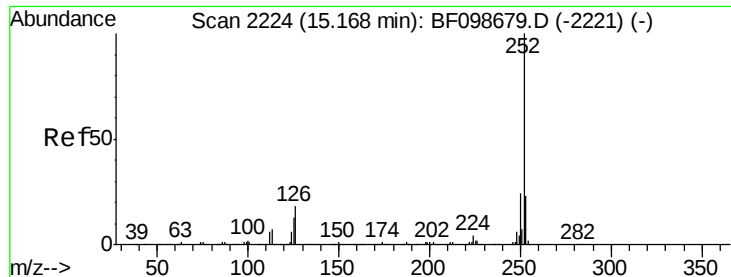
#87
Benzo(b)fluoranthene
Concen: 30.90 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion:252 Resp: 490892
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 13.9 9.0 13.6#



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

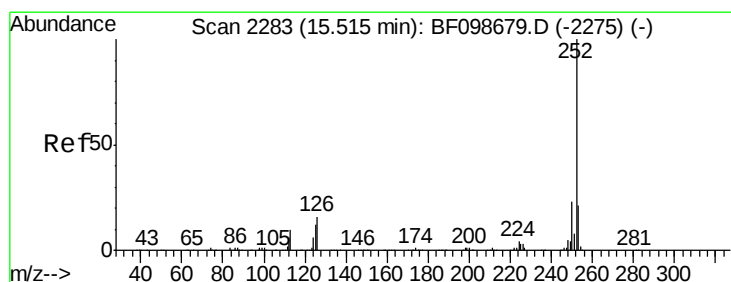
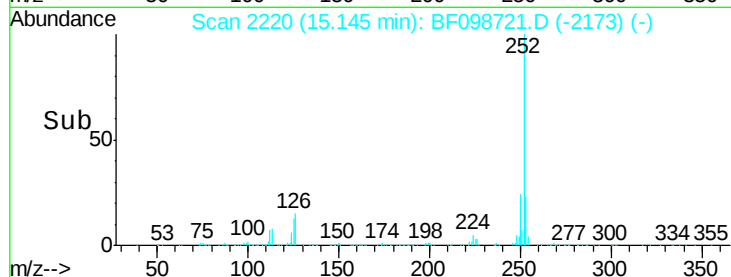
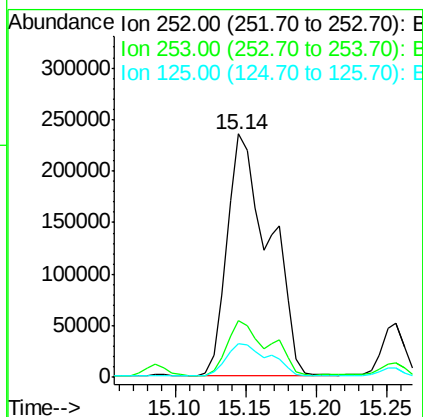
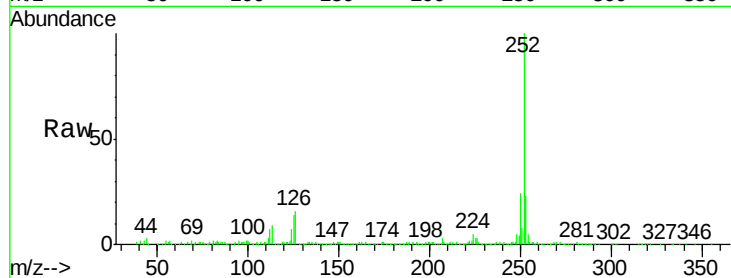




#88
Benzo(k)fluoranthene
Concen: 30.92 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

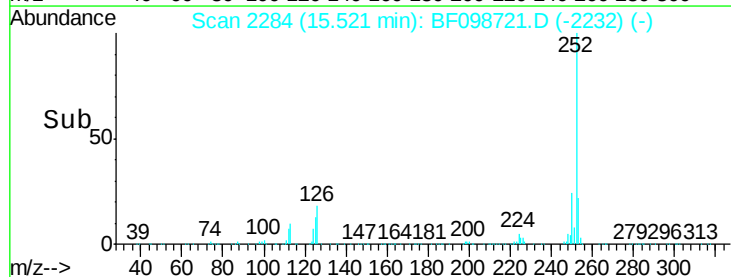
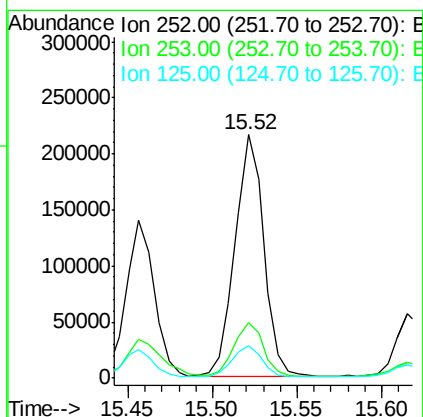
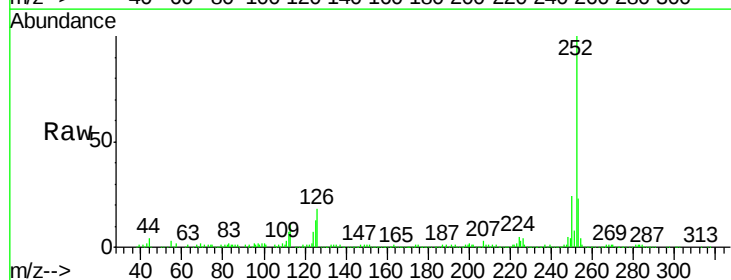
Instrument :
BNA_F
ClientSampleId :

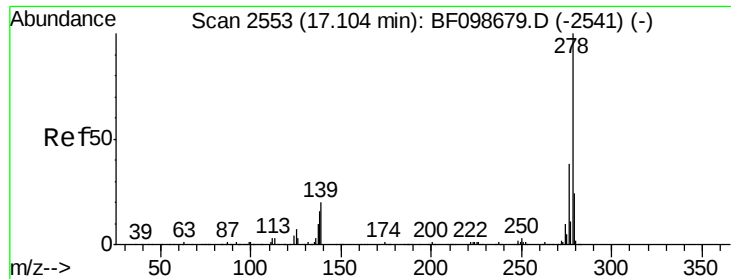
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 17.92 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098721.D
Acq: 23 Sep 2017 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.20 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.18 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

Instrument :

BNA_F

ClientSampleId :

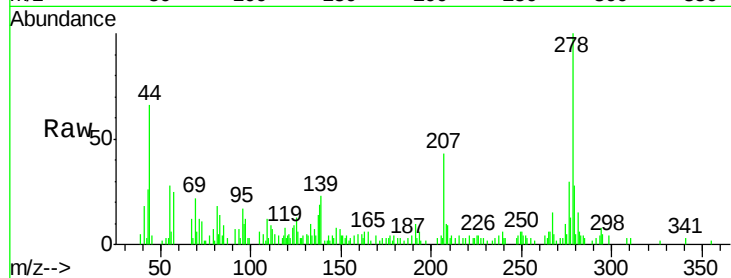
Tot Ion:278 Resp: 26863

Ion Ratio Lower Upper

278 100

139 22.5 15.9 23.9

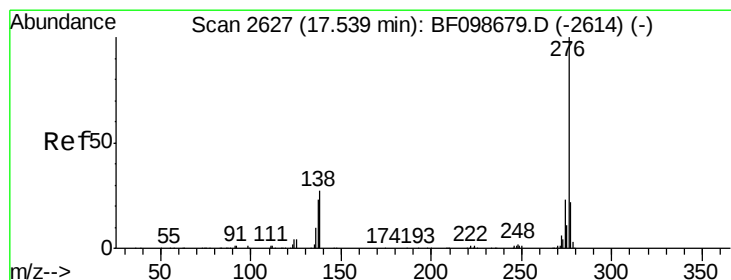
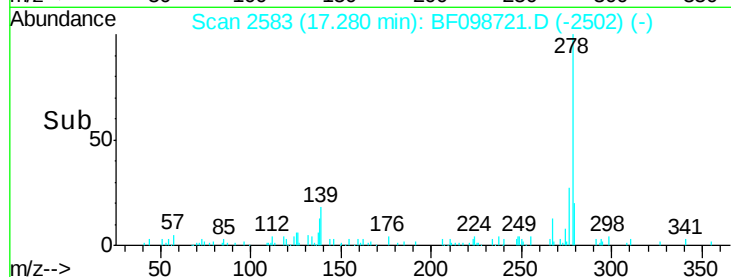
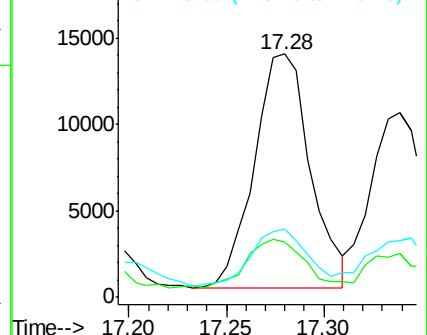
279 28.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.54 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF098721.D

Acq: 23 Sep 2017 2:56

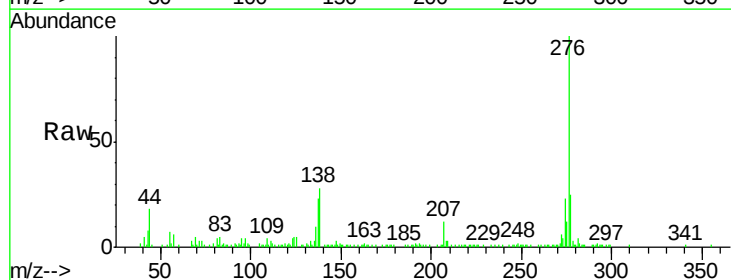
Tgt Ion:276 Resp: 104787

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 28.3 21.8 32.8



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

