

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098799.D
 Acq On : 25 Sep 2017 22:58
 Operator : SJ/JU
 Sample : I5365-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:21:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	131287	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	546772	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	237896	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	255460	20.00	ng	0.00
75) Chrysene-d12	14.07	240	3128	20.00	ng	-0.01
86) Perylene-d12	15.63	264	240470	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	11247	1.36	ng	-0.02
7) Phenol-d6	6.52	99	14812	1.46	ng	-0.02
23) Nitrobenzene-d5	7.47	82	39598	4.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	13329	6.85	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	97748	6.86	ng	-0.02
78) Terphenyl-d14	13.00	244	1495	10.87	ng	-0.03

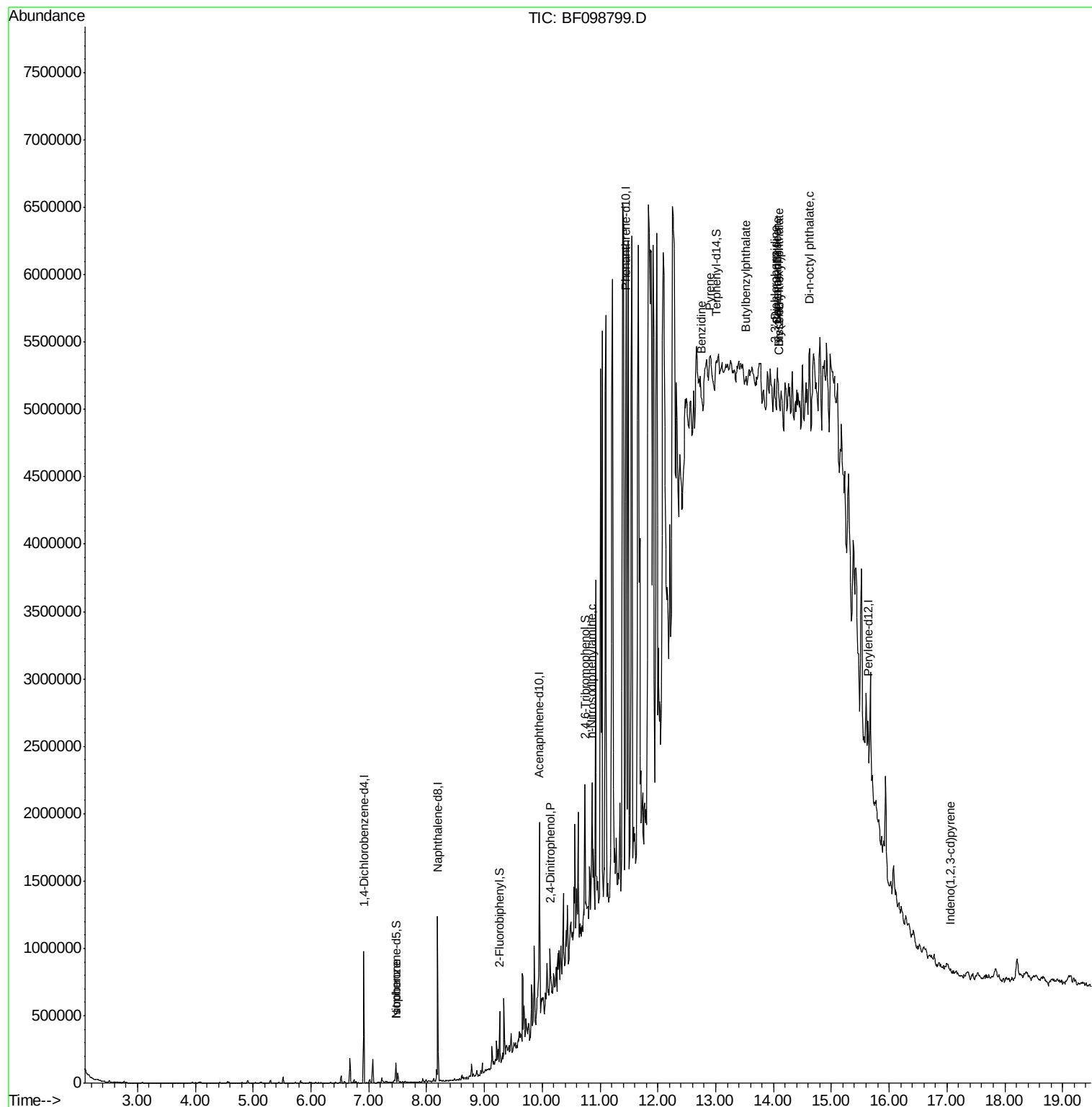
Target Compounds				Qvalue		
25) Isophorone	7.47	82	39419	2.236	ng	# 64
53) 2,4-Dinitrophenol	10.14	184	246	5.940	ng	# 1
65) n-Nitrosodiphenylamine	10.86	169	26192	2.960	ng	96
76) Benzidine	12.76	184	2836	24.513	ng	# 1
77) Pyrene	12.90	202	7918	33.196	ng	# 1
79) Butylbenzylphthalate	13.52	149	1330	11.864	ng	# 1
80) Benzo(a)anthracene	14.07	228	588	3.104	ng	# 1
81) 3,3'-Dichlorobenzidine	14.03	252	1714	24.685	ng	# 1
82) Chrysene	14.10	228	1017	5.640	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.09	149	15803	102.381	ng	# 1
84) Di-n-octyl phthalate	14.62	149	1879	7.560	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.07	276	752	5.213	ng	# 46

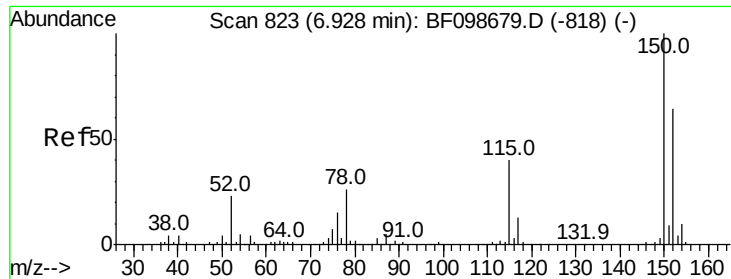
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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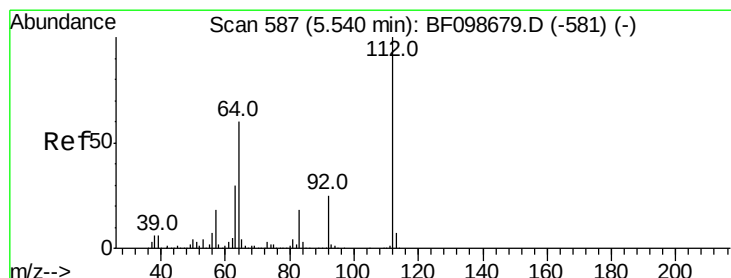
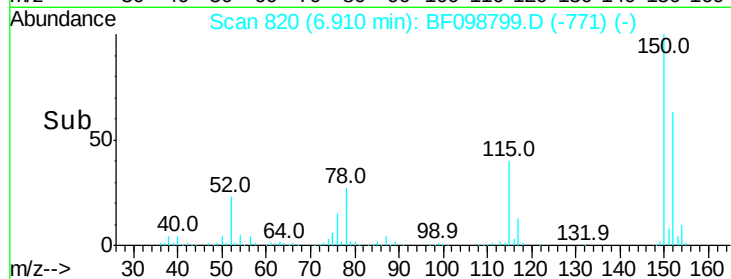
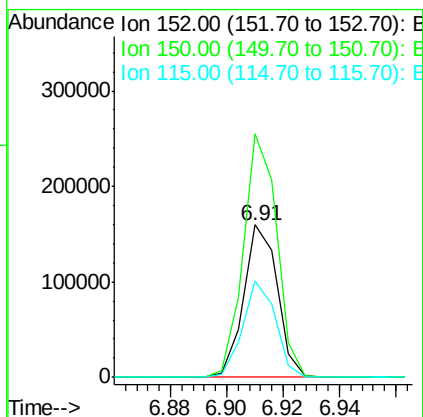
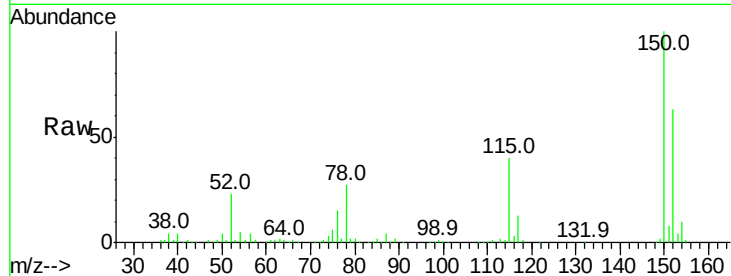


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

Instrument :
 BNA_F
 ClientSampleId :

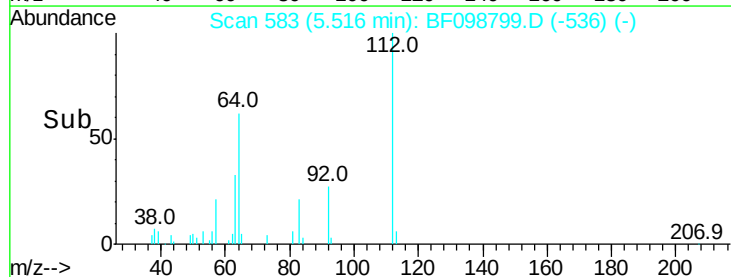
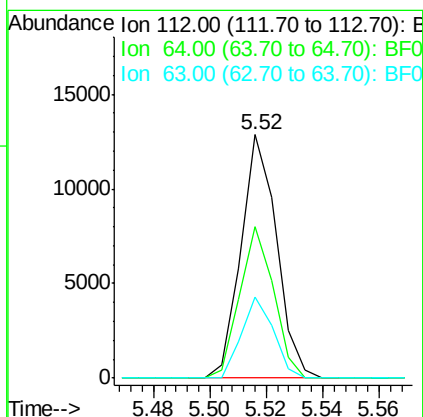
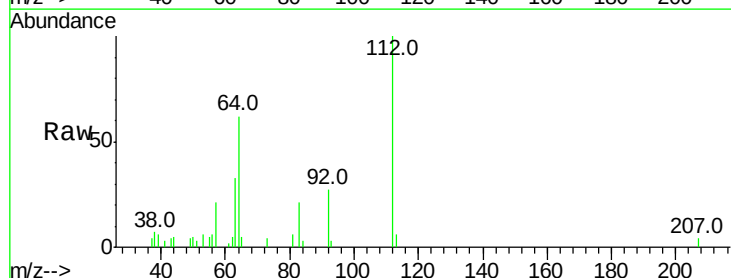
Tot Ion:152 Resp: 131287
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 63.2 50.1 75.1

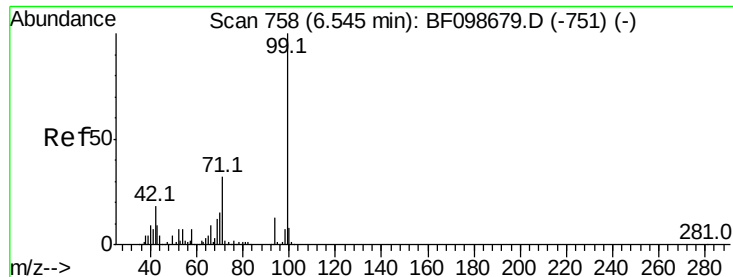


#5

2-Fluorophenol
 Concen: 1.364 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

Tgt Ion:112 Resp: 11247
 Ion Ratio Lower Upper
 112 100
 64 62.2 47.9 71.9
 63 33.2 23.7 35.5





#7

Phenol-d6

Concen: 1.456 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Instrument :

BNA_F

ClientSampled :

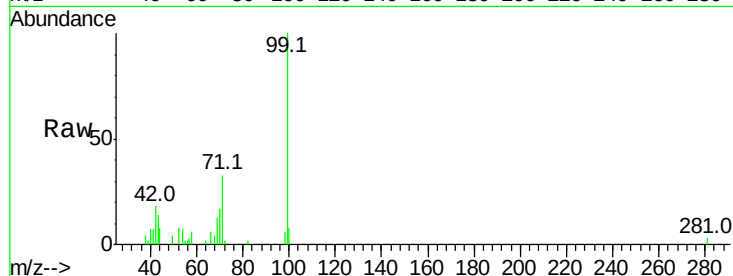
Tot Ion: 99 Resp: 14812

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

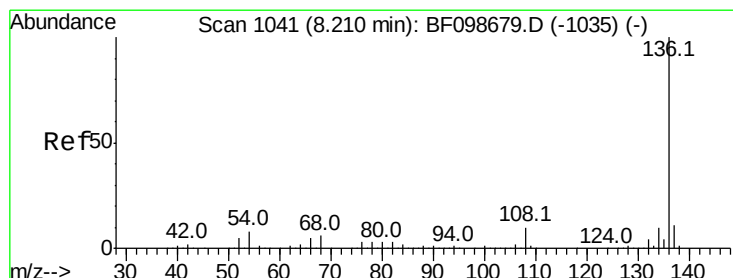
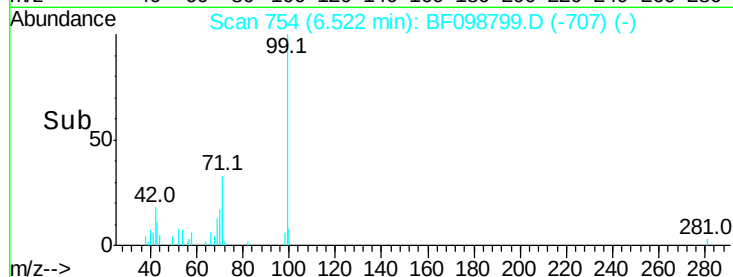
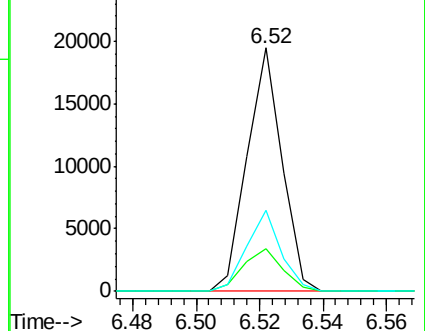
71 33.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Tgt Ion: 136 Resp: 546772

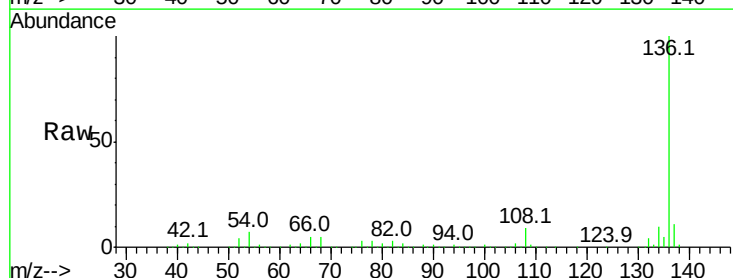
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.1 6.6 9.8

68 5.4 5.0 7.4

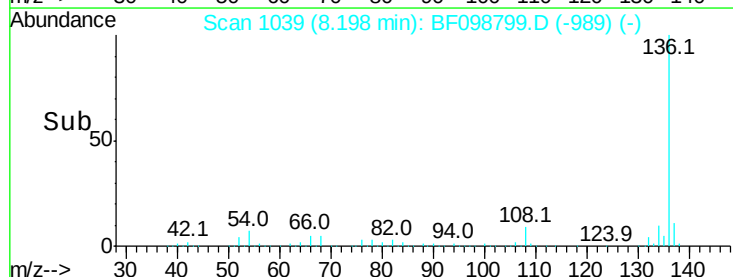
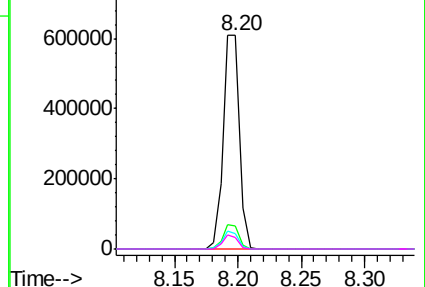


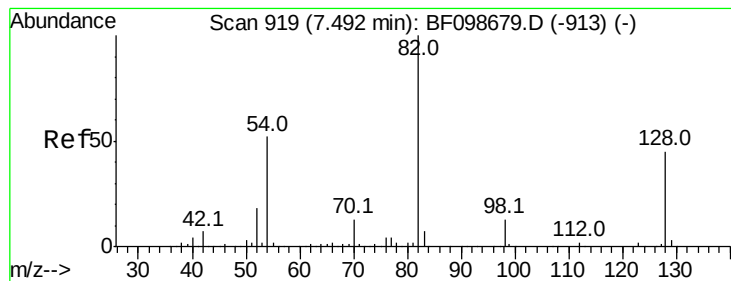
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.644 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Instrument :

BNA_F

ClientSampleId :

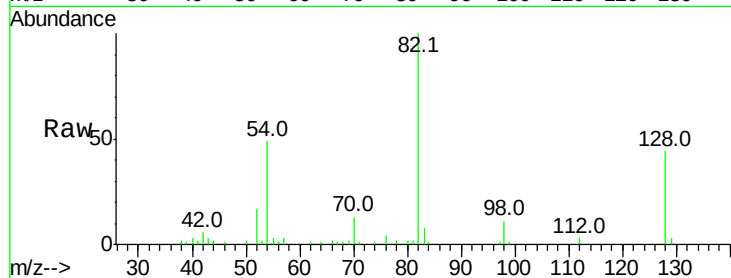
Tot Ion: 82 Resp: 39598

Ion Ratio Lower Upper

82 100

128 43.8 36.1 54.1

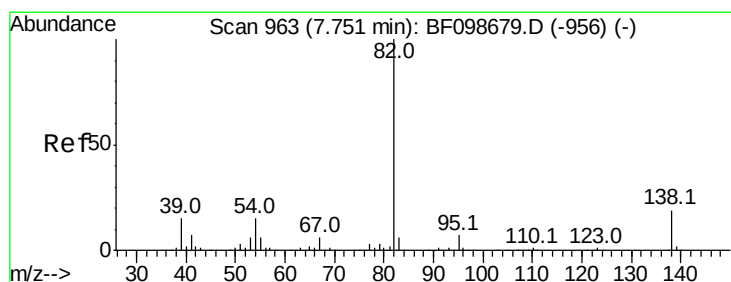
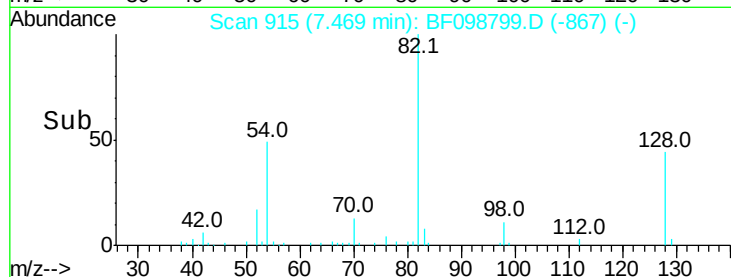
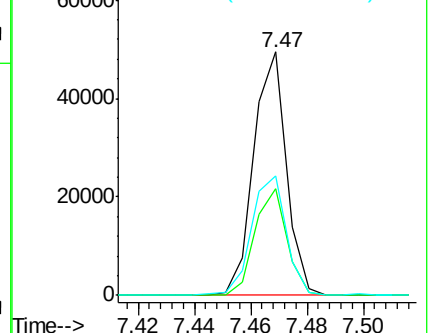
54 49.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 2.236 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

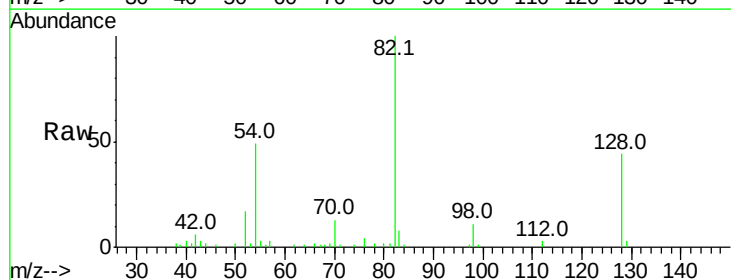
Tgt Ion: 82 Resp: 39419

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

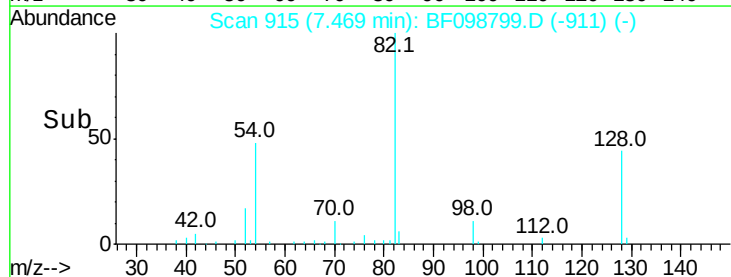
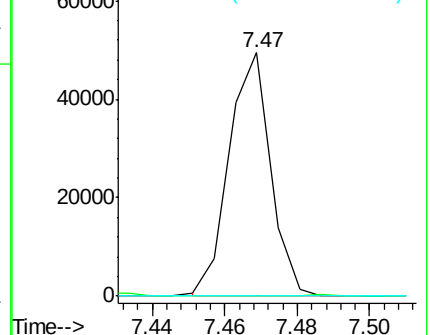
138 0.0 14.9 22.3#

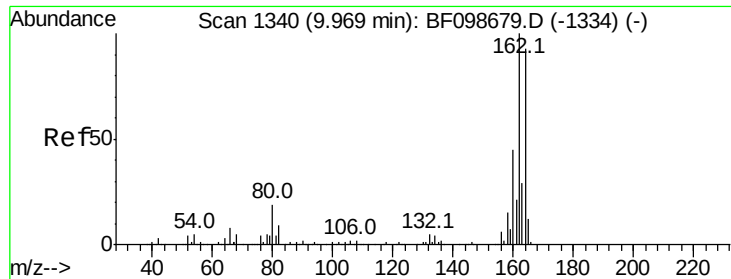


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Instrument :

BNA_F

ClientSampleId :

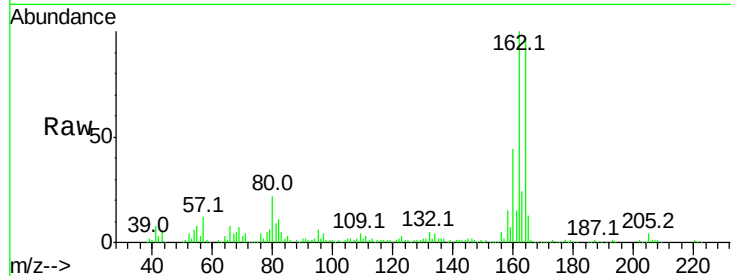
Tot Ion:164 Resp: 237896

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

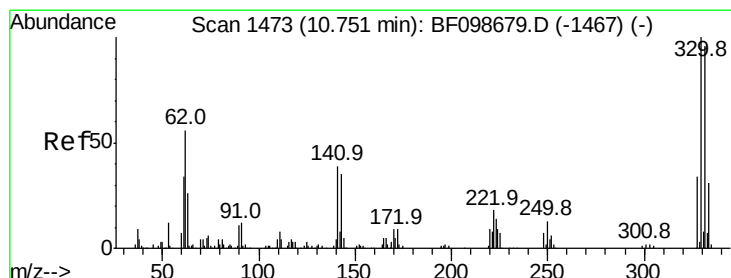
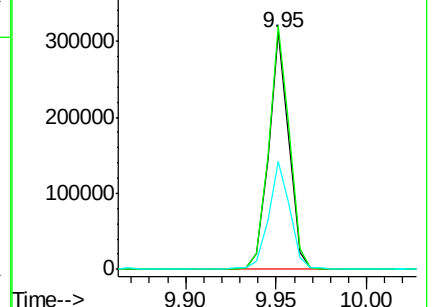
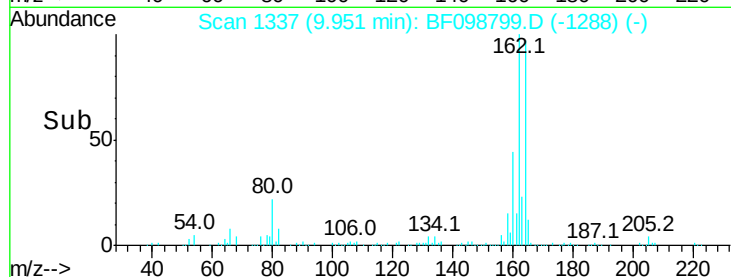
160 45.6 38.3 57.5



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: 6.847 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

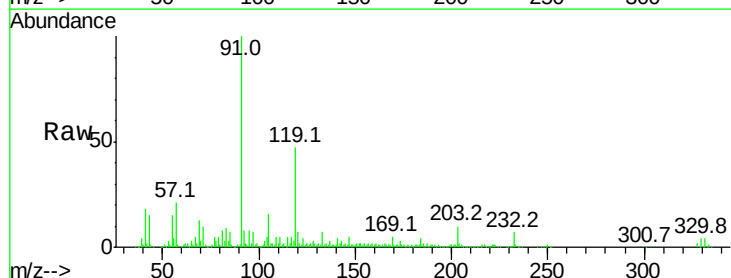
Tgt Ion:330 Resp: 13329

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

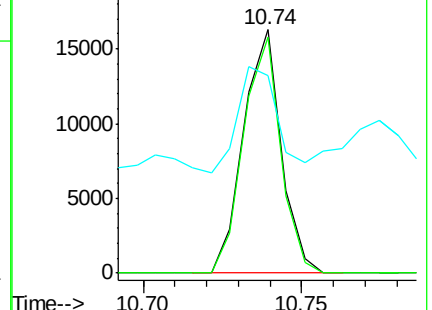
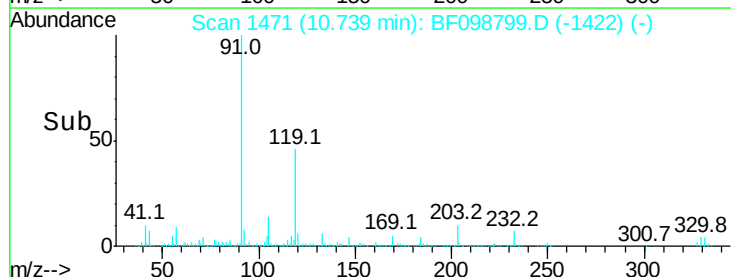
141 45.3 29.9 44.9#

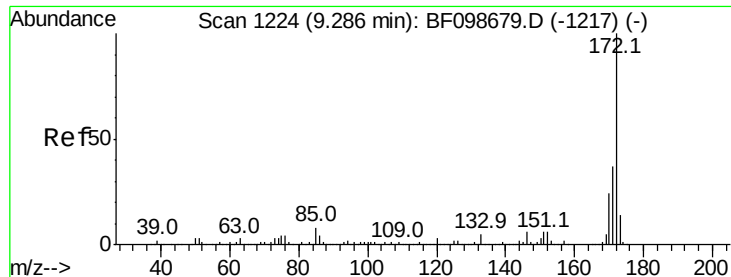


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

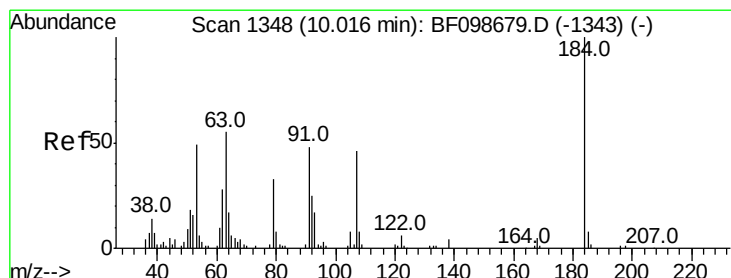
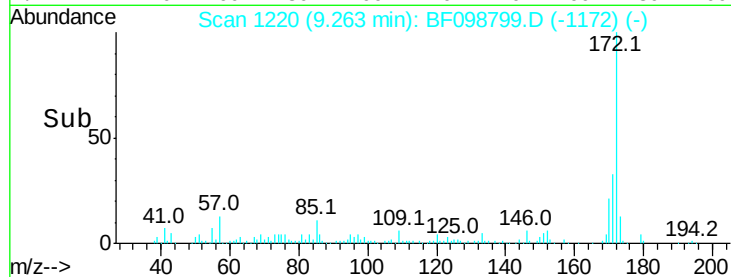
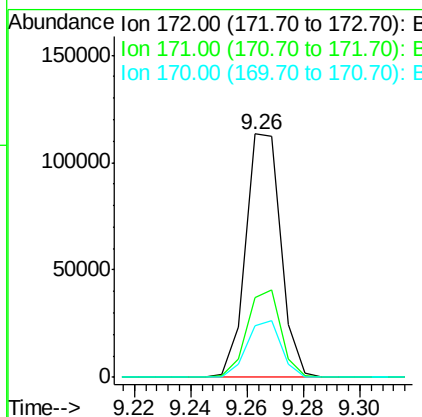
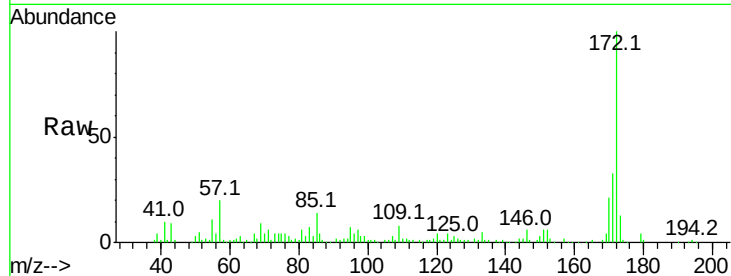




#44
 2-Fluorobiphenyl
 Concen: 6.859 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

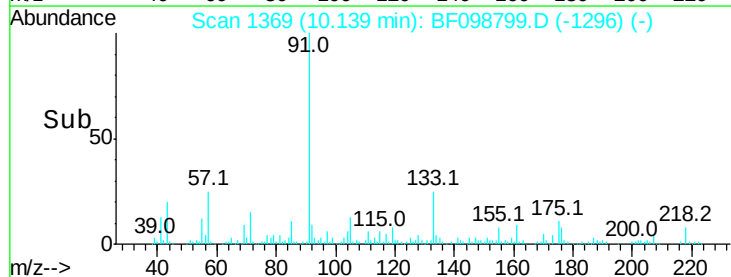
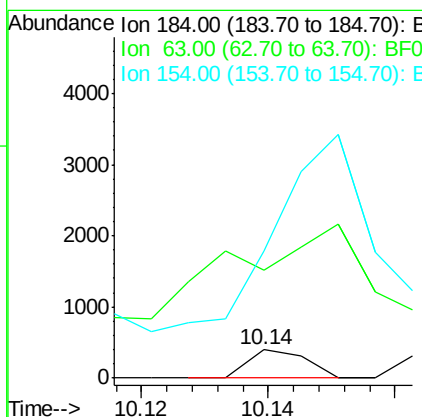
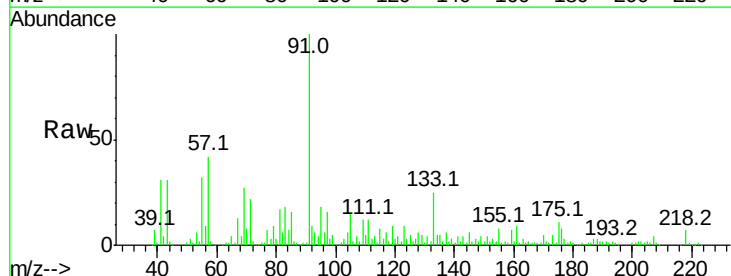
Instrument :
 BNA_F
 ClientSampleId :

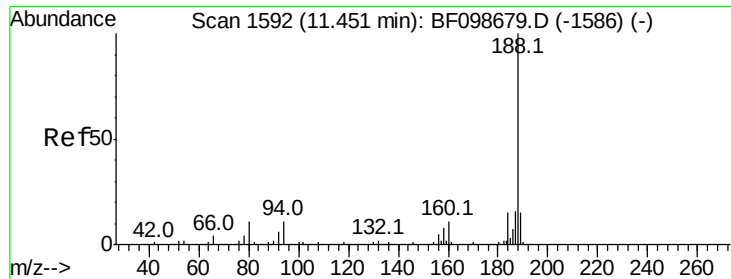
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.7	44.5
170	21.4	19.6	29.4



#53
 2,4-Dinitrophenol
 Concen: 5.940 ng
 RT: 10.14 min Scan# 1369
 Delta R.T. 0.13 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	386.5	54.2	81.2#
154	452.7	53.5	80.3#

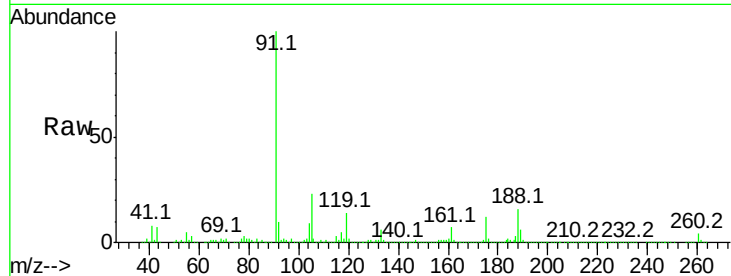




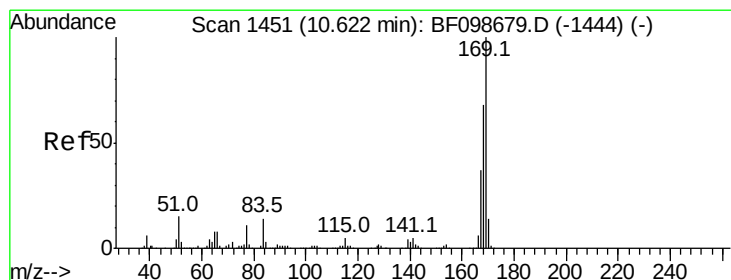
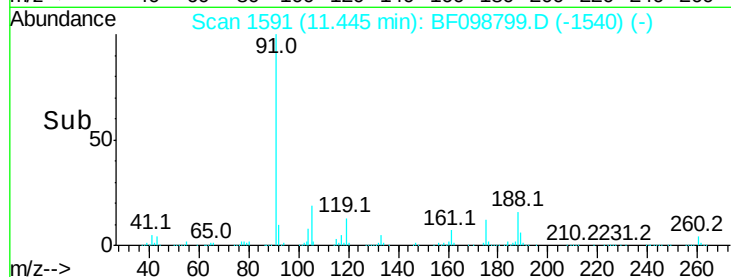
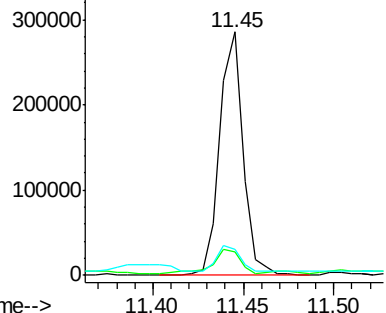
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 255460
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.8 9.2 13.8

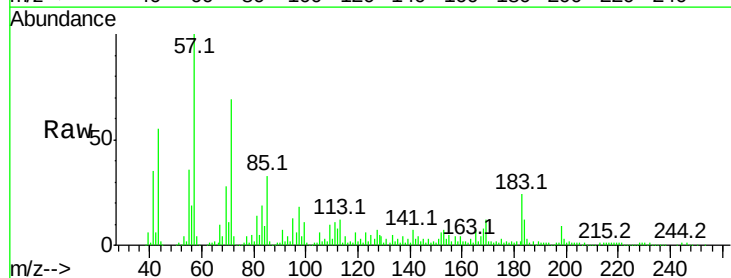


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

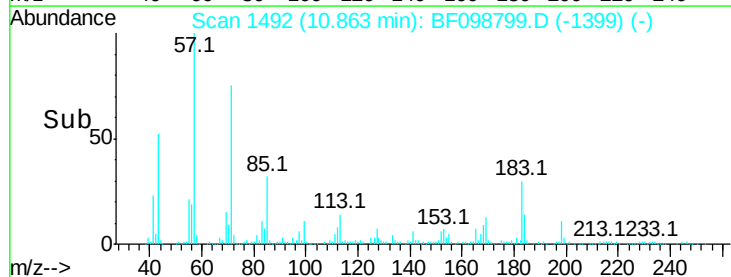
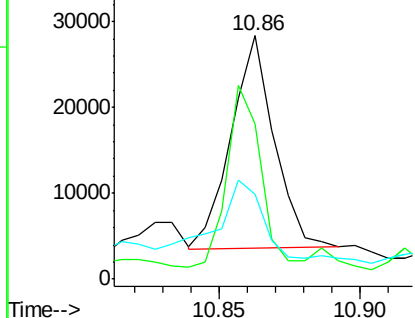


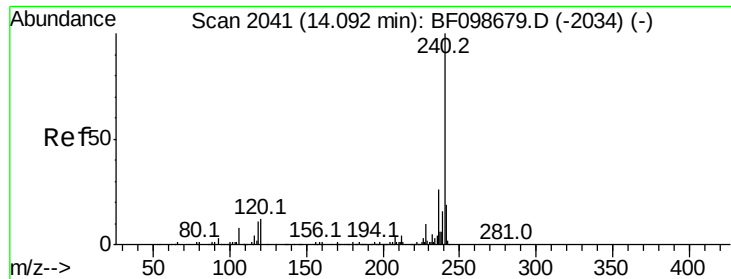
#65
n-Nitrosodiphenylamine
Concen: 2.960 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.25 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Tgt Ion:169 Resp: 26192
Ion Ratio Lower Upper
169 100
168 64.0 54.4 81.6
167 35.0 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Instrument :

BNA_F

ClientSampleId :

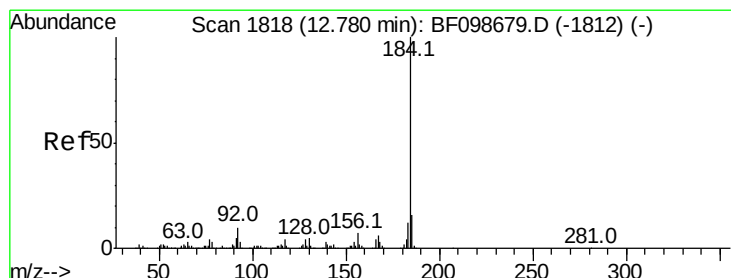
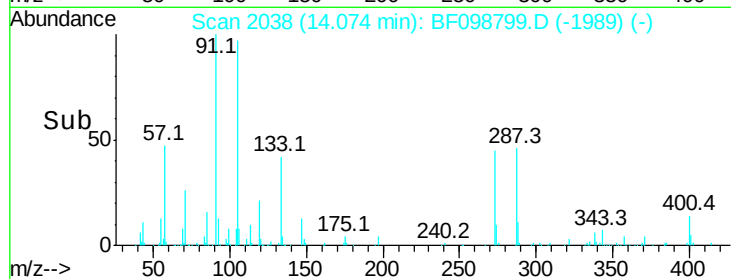
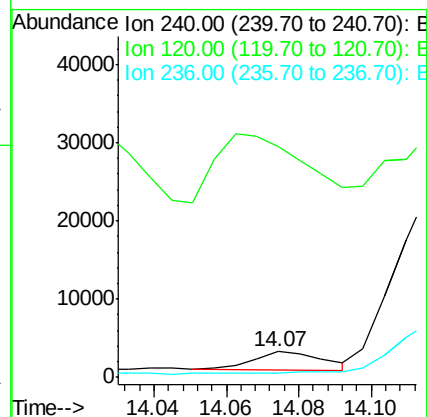
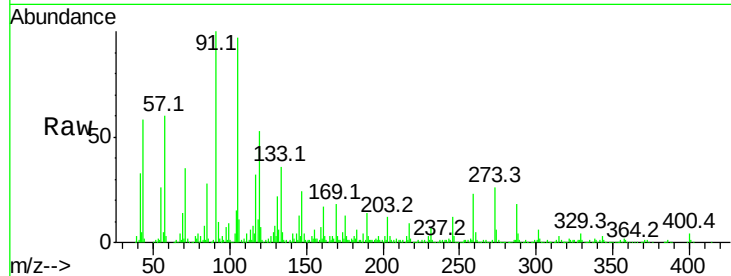
Tot Ion:240 Resp: 3128

Ion Ratio Lower Upper

240 100

120 906.1 9.5 14.3#

236 17.9 20.7 31.1#



#76

Benzidine

Concen: 24.513 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

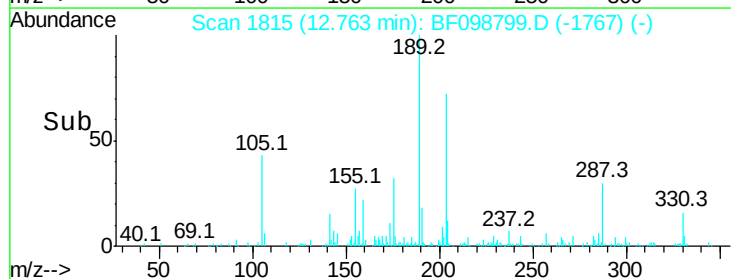
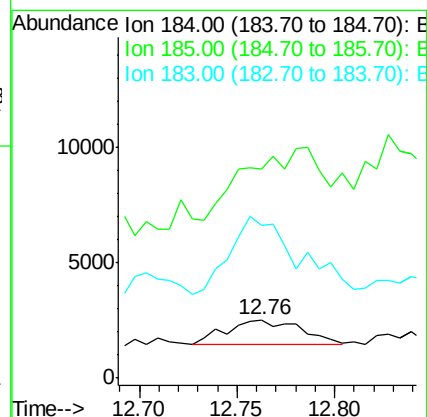
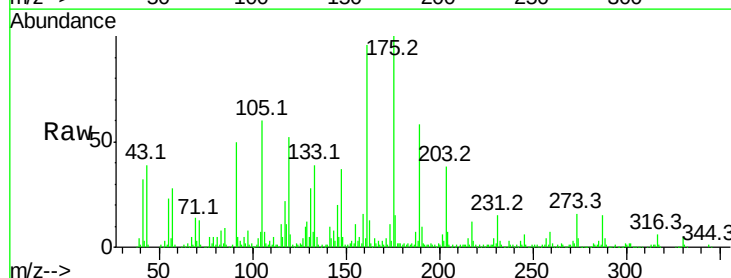
Tgt Ion:184 Resp: 2836

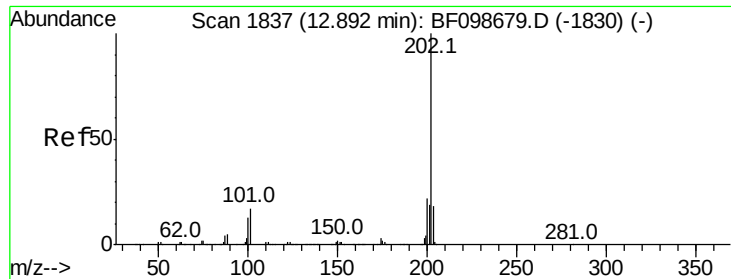
Ion Ratio Lower Upper

184 100

185 358.6 12.6 18.8#

183 262.0 9.3 13.9#

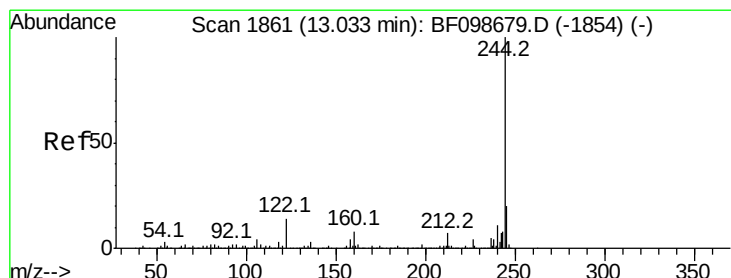
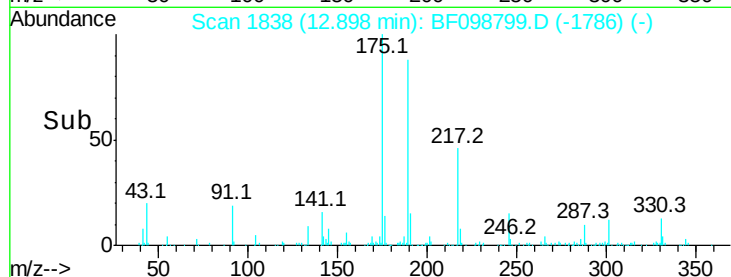
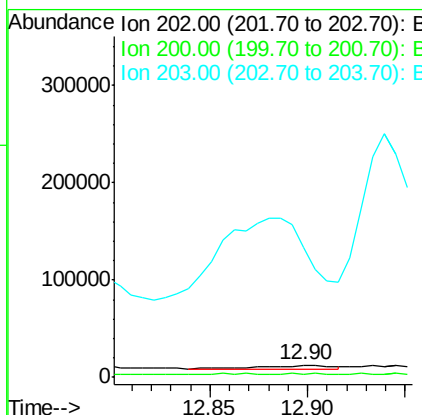
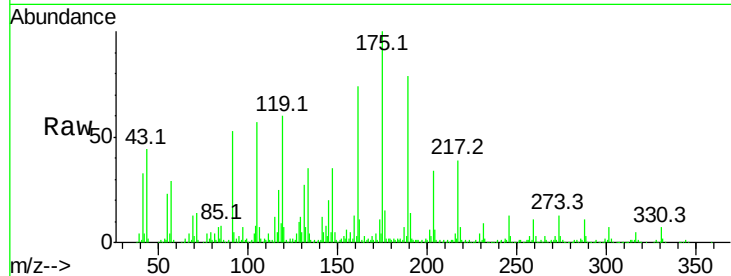




#77
Pvrene
Concen: 33.196 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

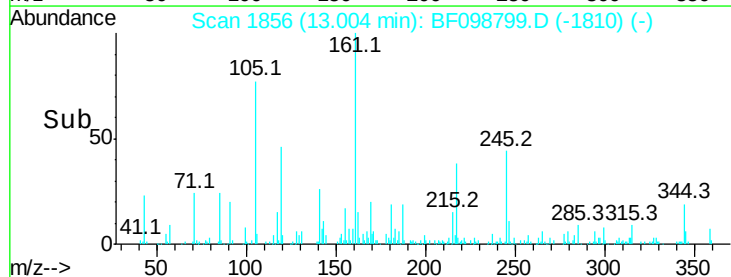
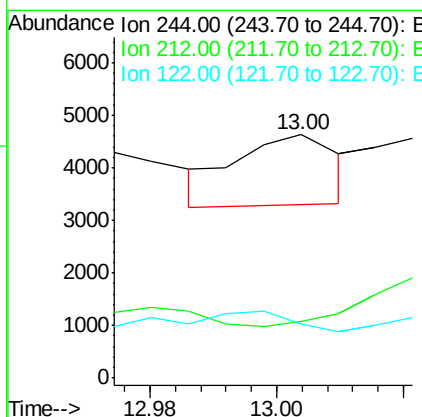
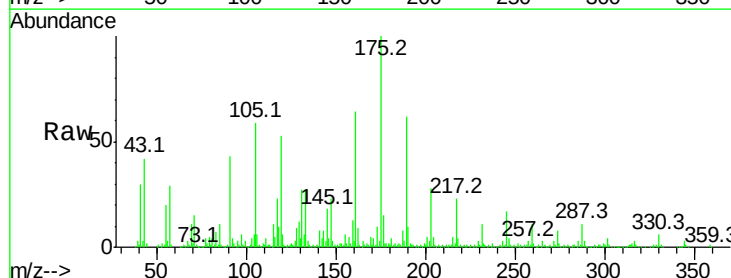
Instrument :
BNA_F
ClientSampleId :

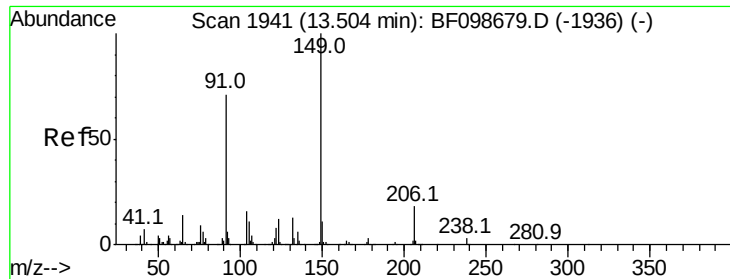
Tot Ion:202 Resp: 7918
Ion Ratio Lower Upper
202 100
200 28.2 17.4 26.2#
203 1042.1 14.3 21.5#



#78
Terphenyl-d14
Concen: 10.869 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.03 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Tgt Ion:244 Resp: 1495
Ion Ratio Lower Upper
244 100
212 23.1 5.4 8.0#
122 22.0 11.0 16.4#

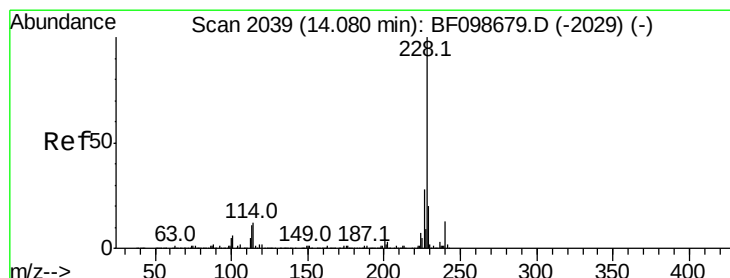
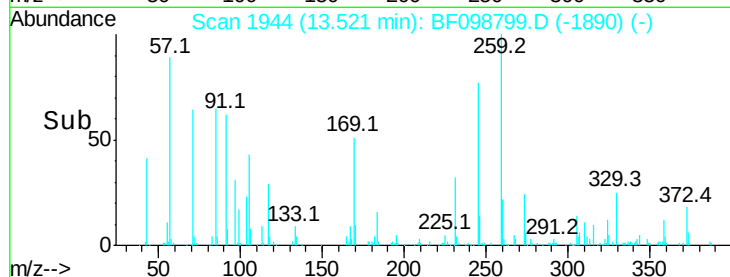
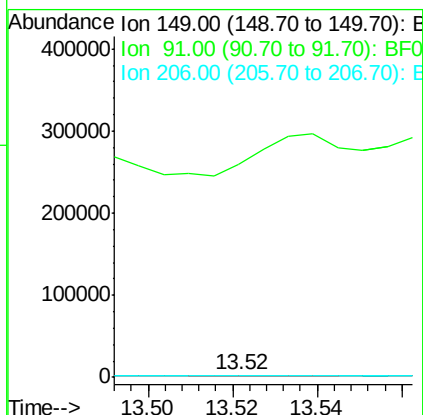
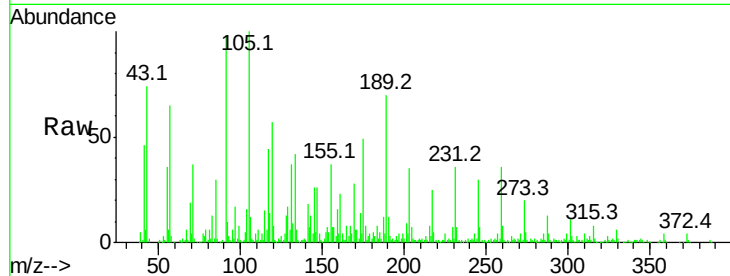




#79
Butylbenzylphthalate
Concen: 11.864 ng
RT: 13.52 min Scan# 1944
Delta R.T. 0.02 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

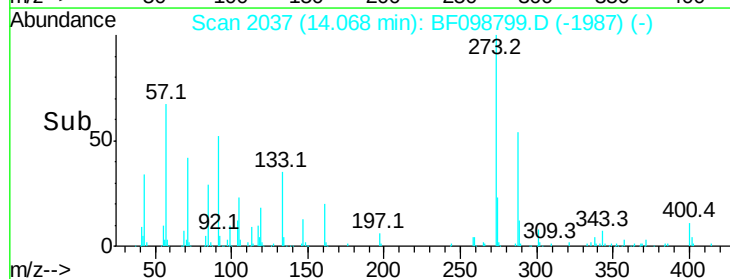
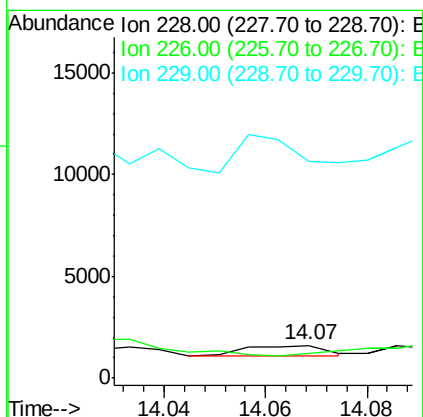
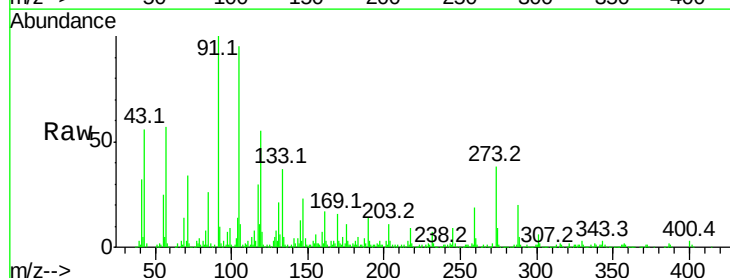
Instrument :
BNA_F
ClientSampleId :

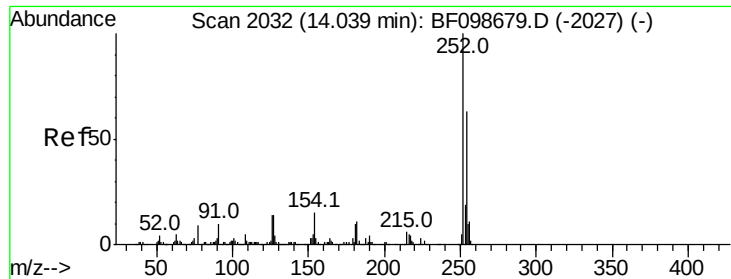
Tot Ion:149 Resp: 1330
Ion Ratio Lower Upper
149 100
91 9514.4 56.8 85.2#
206 65.4 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 3.104 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Tgt Ion:228 Resp: 588
Ion Ratio Lower Upper
228 100
226 74.0 22.6 33.8#
229 665.8 15.8 23.6#

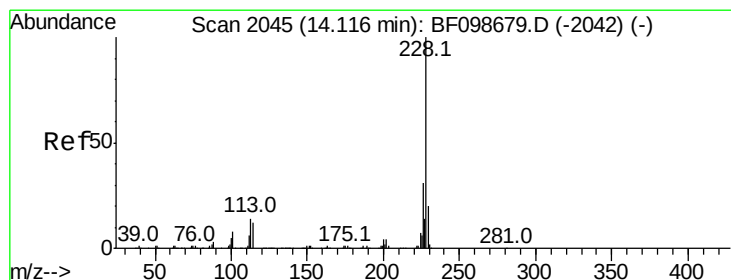
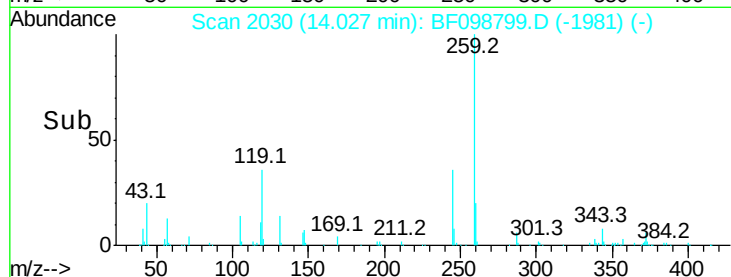
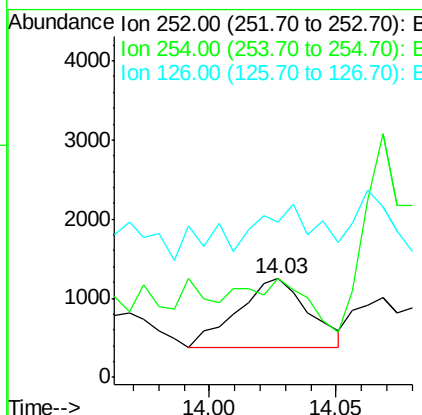
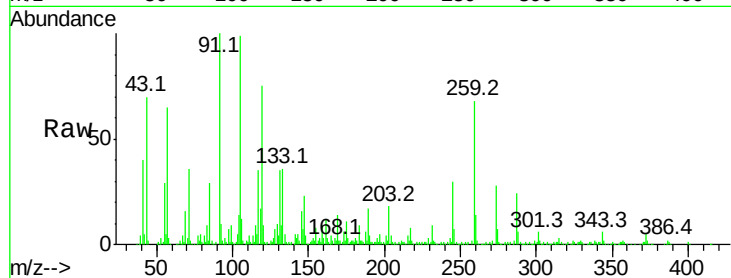




#81
 3,3'-Dichlorobenzidine
 Concen: 24.685 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

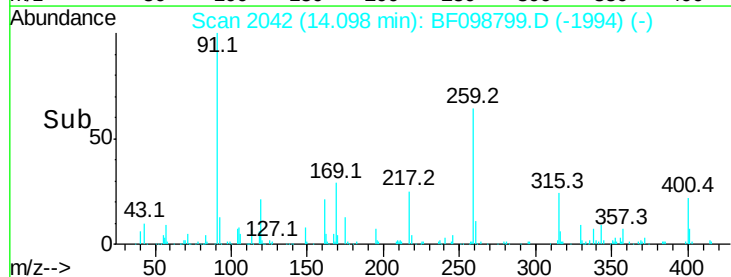
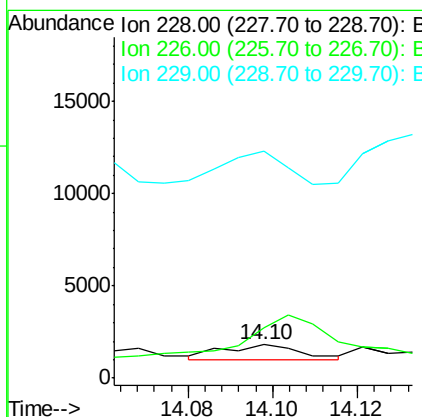
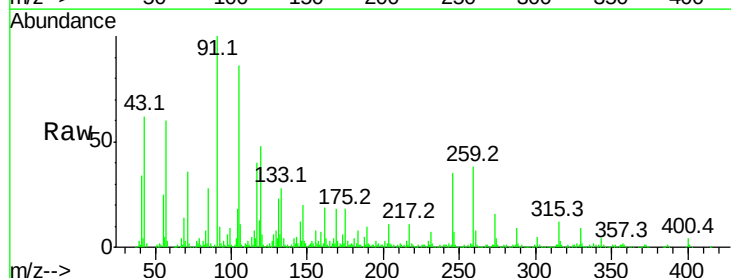
Instrument :
 BNA_F
 ClientSampleId :

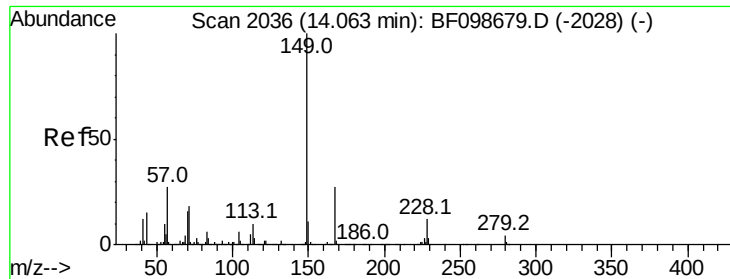
Tot Ion:252 Resp: 1714
 Ion Ratio Lower Upper
 252 100
 254 100.6 50.4 75.6#
 126 157.5 11.3 16.9#



#82
 Chrysene
 Concen: 5.640 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF098799.D
 Acq: 25 Sep 2017 22:58

Tgt Ion:228 Resp: 1017
 Ion Ratio Lower Upper
 228 100
 226 149.5 25.0 37.6#
 229 679.9 16.2 24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 102.381 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.04 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

Instrument :

BNA_F

ClientSampleId :

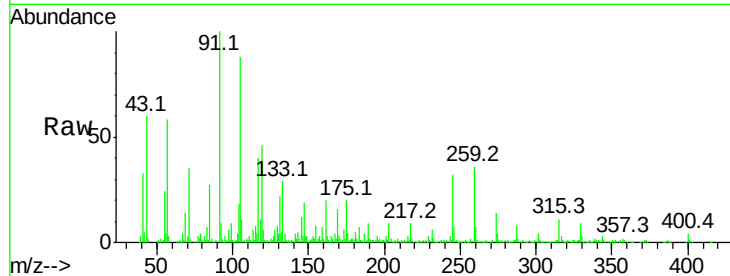
Tot Ion:149 Resp: 15803

Ion Ratio Lower Upper

149 100

167 124.3 21.3 31.9#

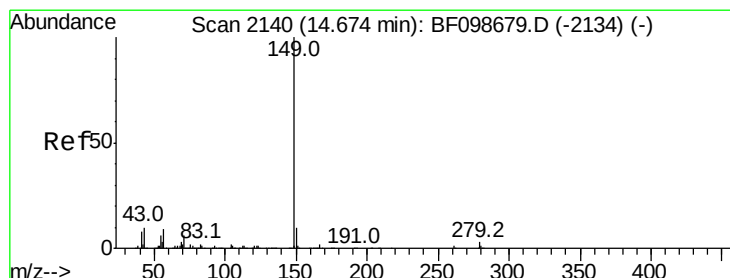
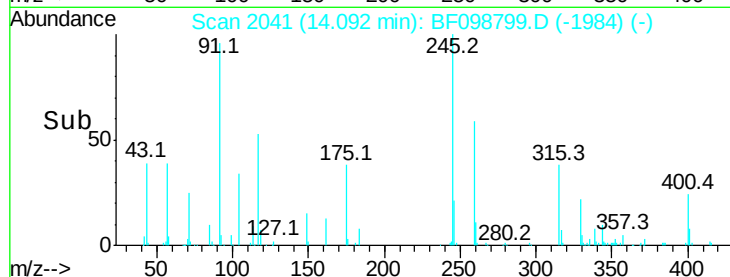
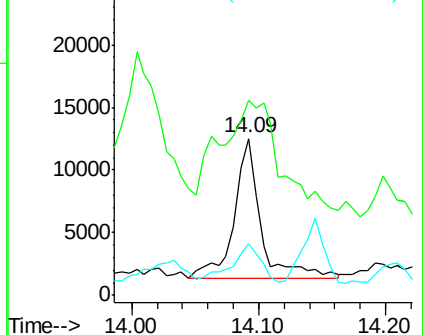
279 33.2 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 7.560 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.05 min

Lab File: BF098799.D

Acq: 25 Sep 2017 22:58

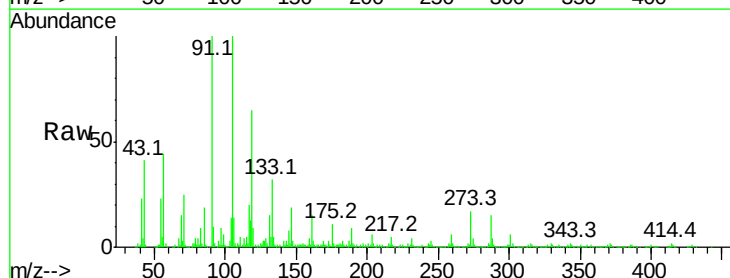
Tgt Ion:149 Resp: 1879

Ion Ratio Lower Upper

149 100

167 278.5 1.2 1.8#

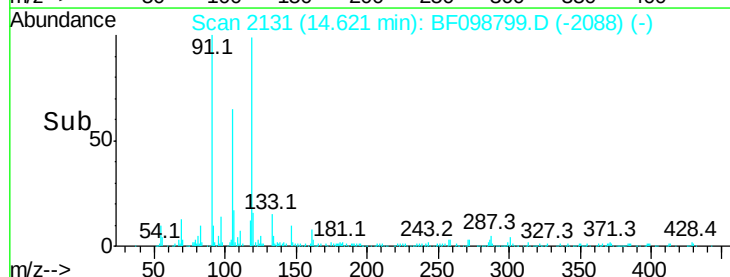
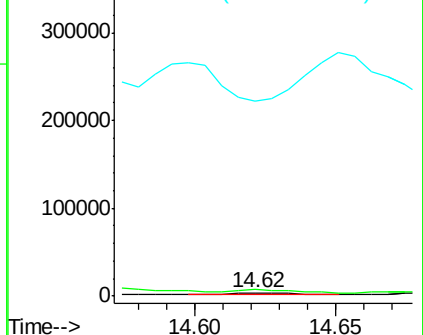
43 0.0 8.4 12.6#

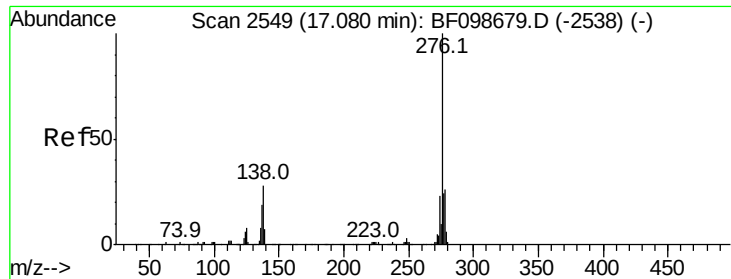


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

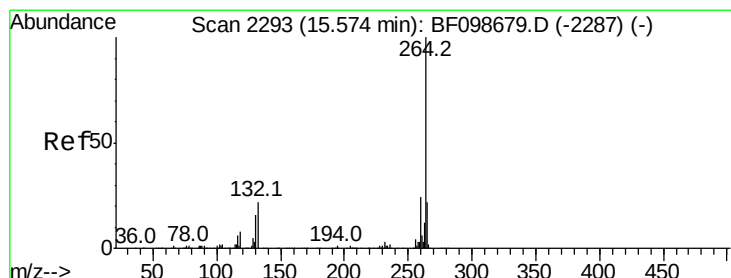
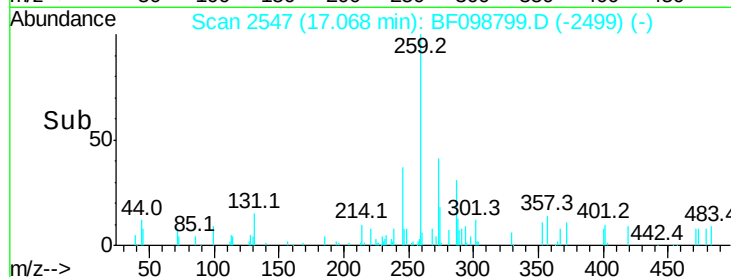
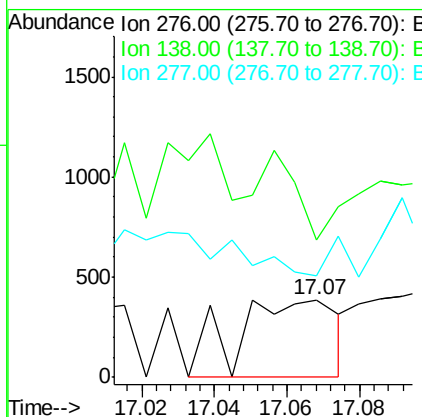
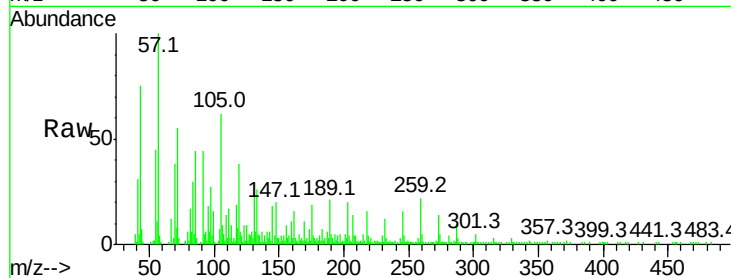




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.213 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 752
Ion Ratio Lower Upper
276 100
138 0.0 25.0 37.6#
277 0.0 20.1 30.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.06 min
Lab File: BF098799.D
Acq: 25 Sep 2017 22:58

Tgt Ion:264 Resp: 240470
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.3 17.5 26.3

