

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096434.D
 Acq On : 3 Jul 2017 12:00
 Operator : SJ/MA
 Sample : I3982-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 16:13:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

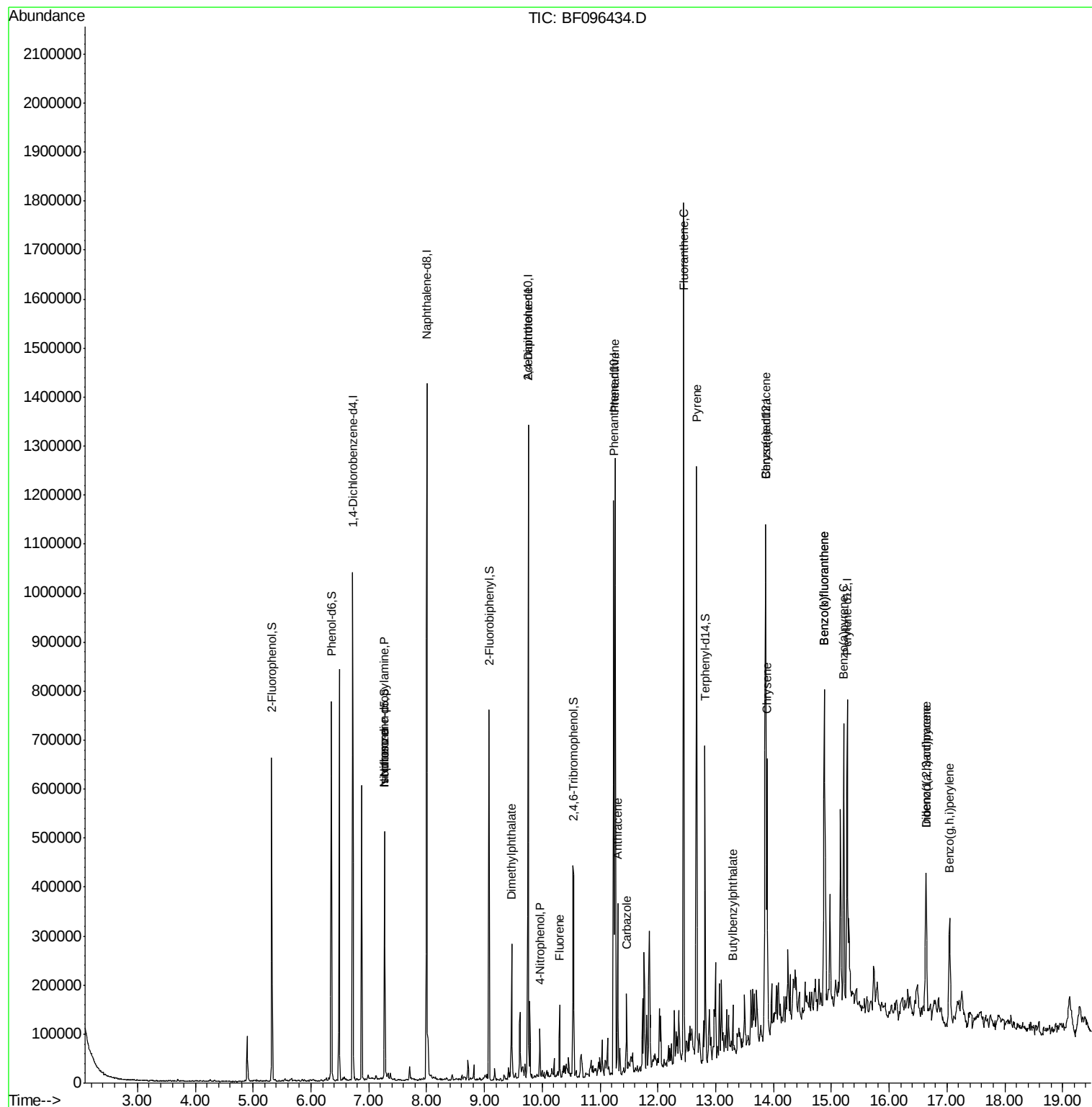
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138675	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	579662	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	253441	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	409598	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	226646	20.00	ng	-0.01
86) Perylene-d12	15.27	264	245405	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	185392	19.73	ng	-0.02
7) Phenol-d6	6.35	99	229685	19.89	ng	-0.02
23) Nitrobenzene-d5	7.27	82	127298	13.20	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	42608	21.52	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	238993	16.12	ng	-0.02
78) Terphenyl-d14	12.82	244	160460	15.13	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	15835	2.30	ng	# 82
25) Isophorone	7.27	82	126638	6.77	ng	# 67
49) Dimethylphthalate	9.47	163	109894	5.81	ng	99
55) 4-Nitrophenol	9.96	139	9163	2.12	ng	# 27
56) 2,4-Dinitrotoluene	9.76	165	32276	6.09	ng	# 33
57) Fluorene	10.30	166	35725	2.42	ng	95
70) Phenanthrene	11.26	178	445789	20.13	ng	100
71) Anthracene	11.31	178	129947	5.76	ng	97
72) Carbazole	11.46	167	62569	2.76	ng	96
74) Fluoranthene	12.44	202	642190	29.58	ng	99
77) Pyrene	12.67	202	529518	29.11	ng	99
79) Butylbenzylphthalate	13.30	149	18488	2.01	ng	91
80) Benzo(a)anthracene	13.86	228	229765	17.51	ng	93
82) Chrysene	13.89	228	223826	16.29	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	178529	16.46	ng	97
87) Benzo(b)fluoranthene	14.88	252	446183	29.02	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	446183	32.44	ng	100
89) Benzo(a)pyrene	15.22	252	234145	17.06	ng	# 95
90) Dibenzo(a,h)anthracene	16.64	278	45172	4.18	ng	# 88
91) Benzo(a,h,i)perylene	17.04	276	157152	14.04	ng	97

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

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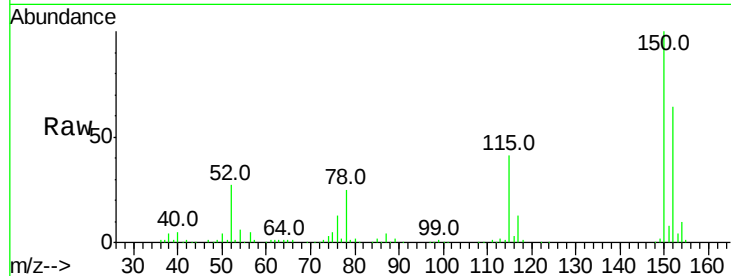


#1

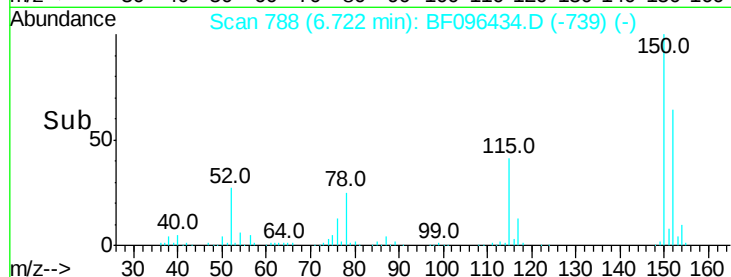
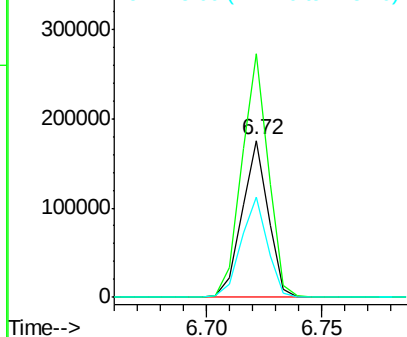
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138675
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.2
115 64.2 52.2 78.2



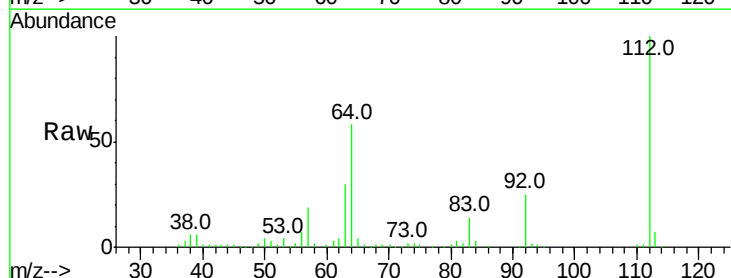
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



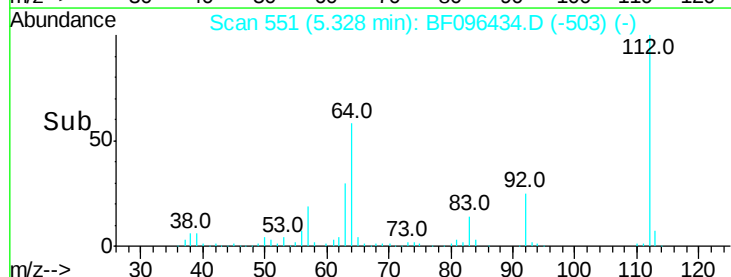
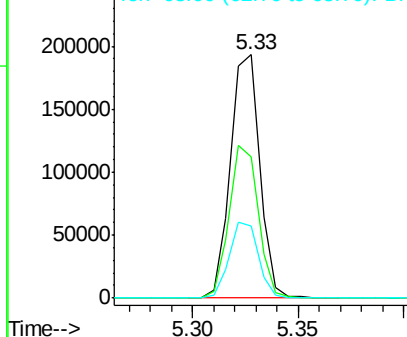
#5

2-Fluorophenol
Concen: 19.73 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion:112 Resp: 185392
Ion Ratio Lower Upper
112 100
64 58.0 46.0 69.0
63 29.5 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: 19.89 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampleId :

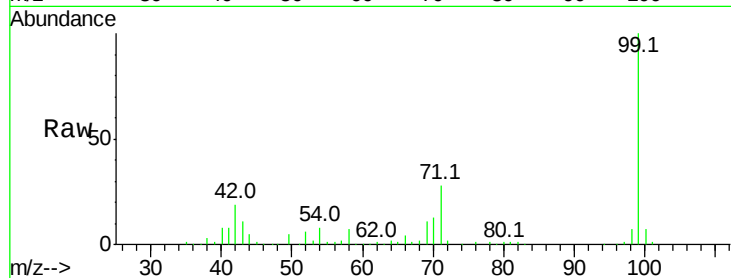
Tot Ion: 99 Resp: 229685

Ion Ratio Lower Upper

99 100

42 19.3 13.5 20.3

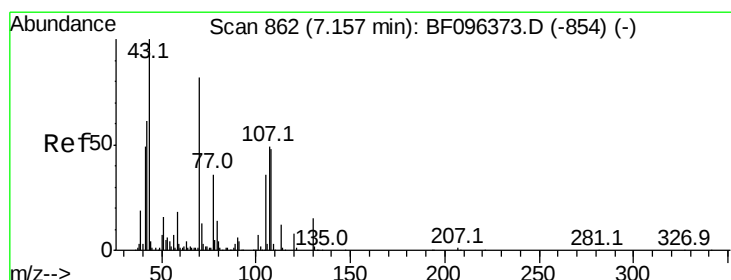
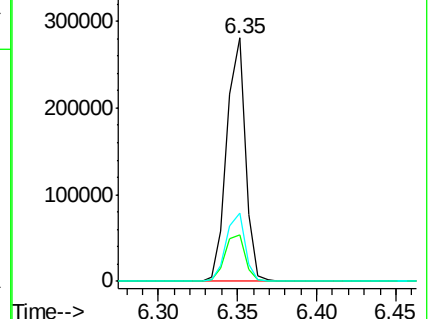
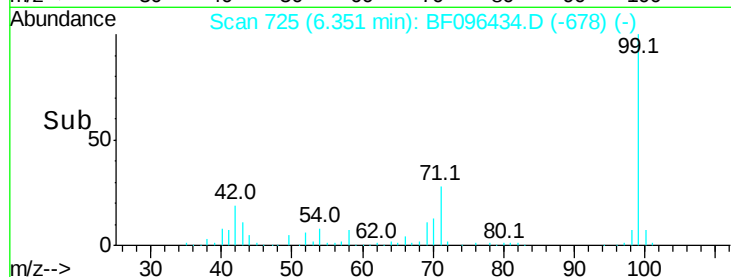
71 27.9 24.5 36.7



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: 2.30 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Tgt Ion: 70 Resp: 15835

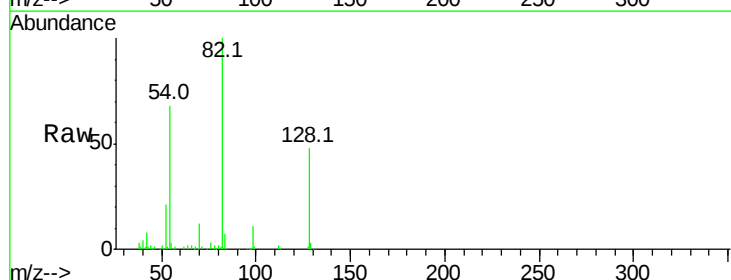
Ion Ratio Lower Upper

70 100

42 67.3 47.2 70.8

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#

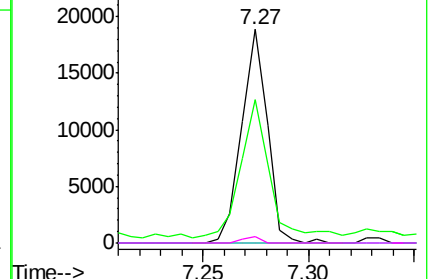
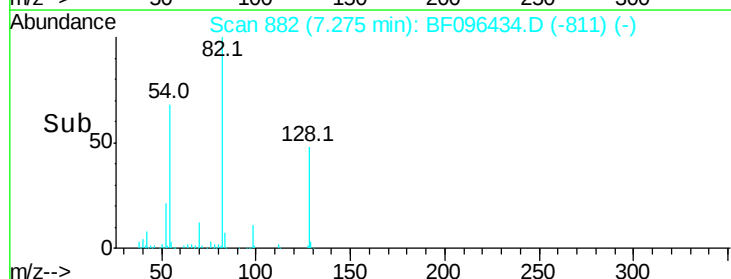


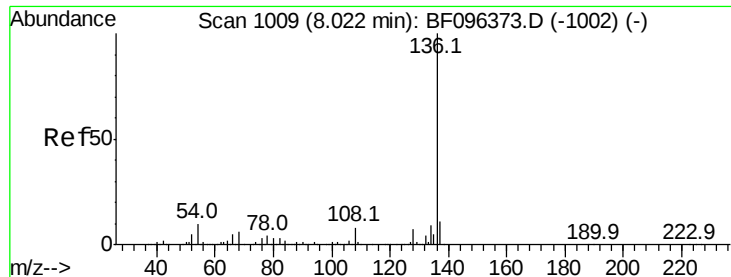
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 579662

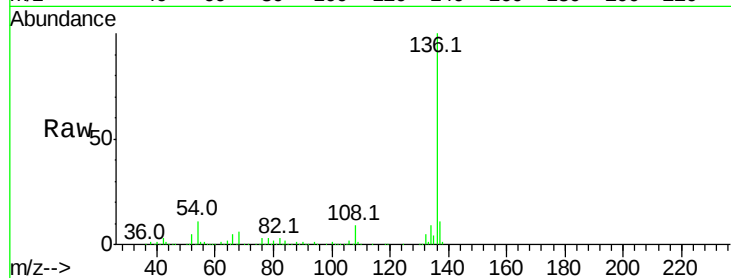
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.6 4.9 7.3#

68 5.8 4.1 6.1

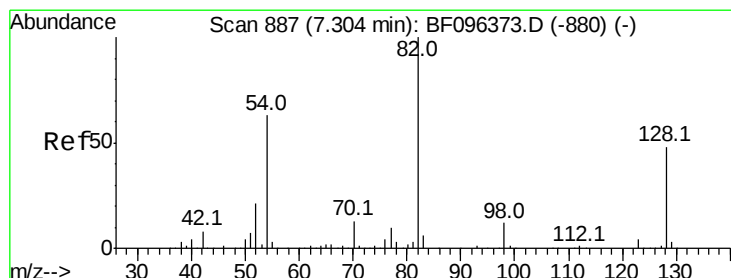
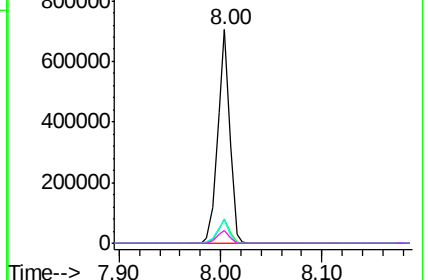
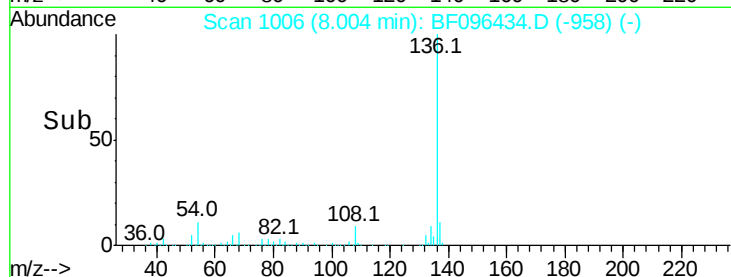


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 13.20 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

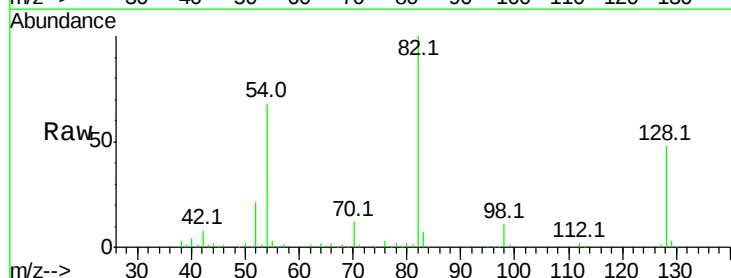
Tgt Ion: 82 Resp: 127298

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

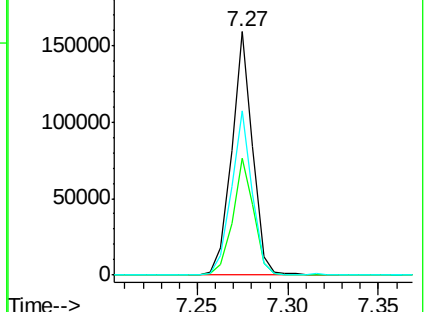
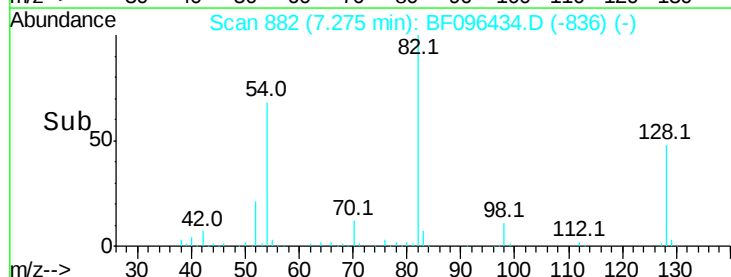
54 67.6 42.2 63.2#

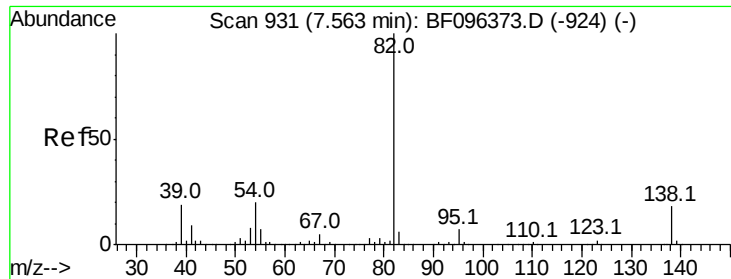


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.77 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.29 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampleId :

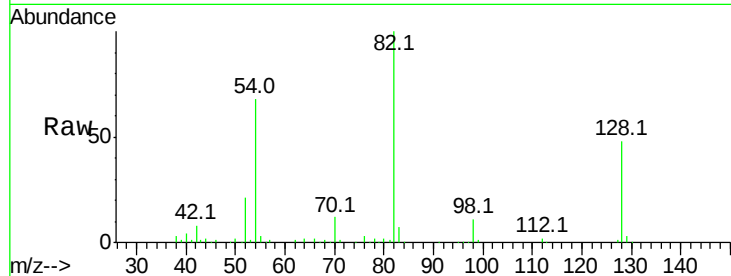
Tot Ion: 82 Resp: 126638

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

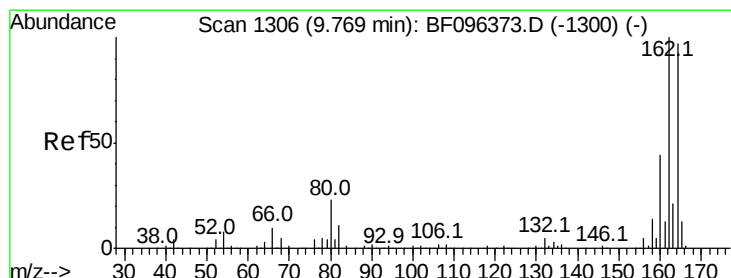
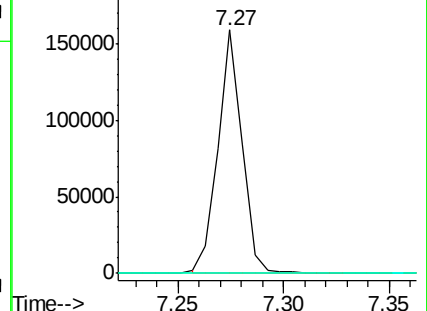
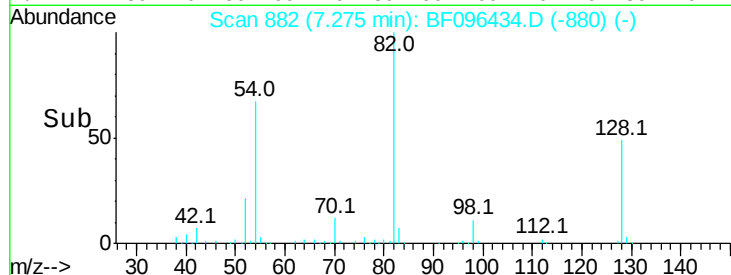
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

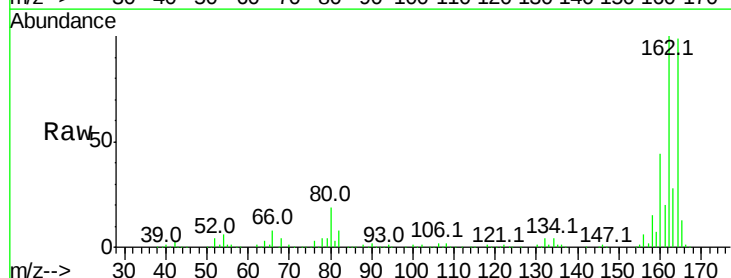
Tgt Ion:164 Resp: 253441

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

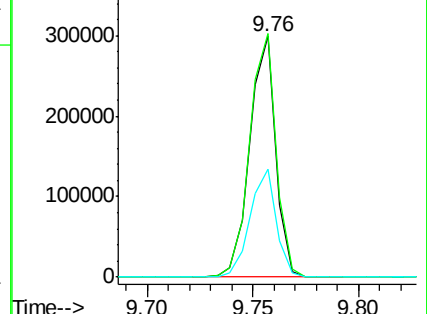
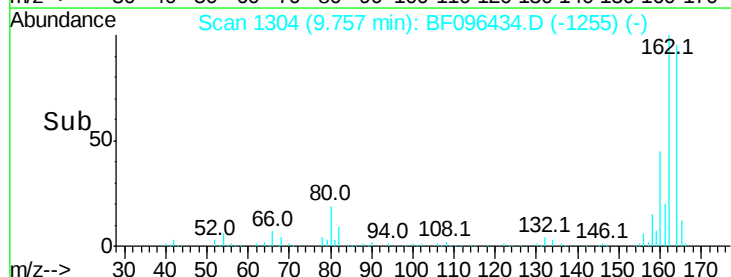
160 44.9 36.2 54.2

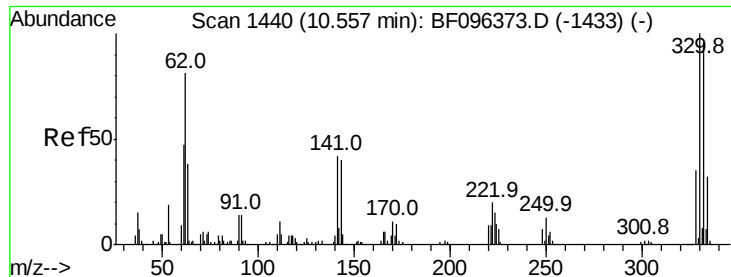


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

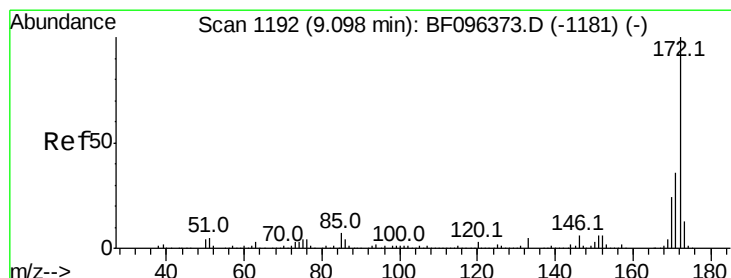
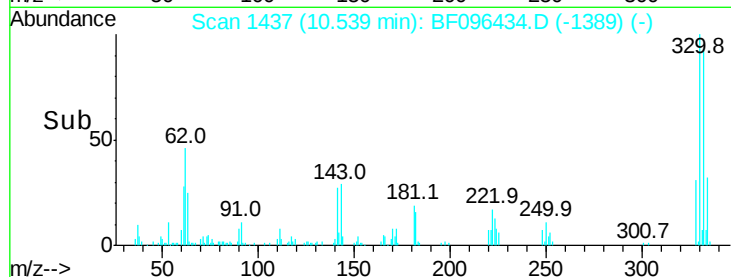
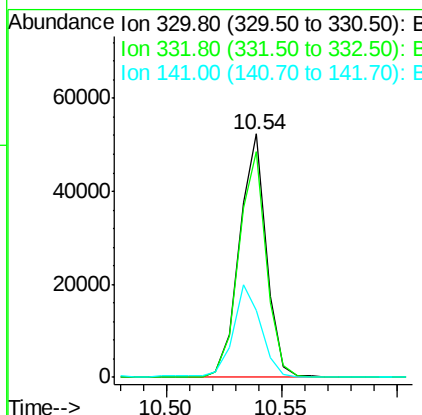
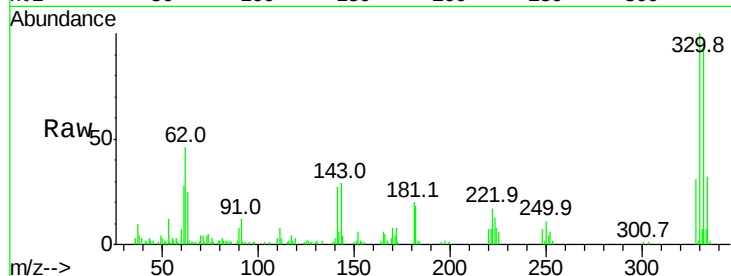




#41
 2,4,6-Tribromophenol
 Concen: 21.52 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

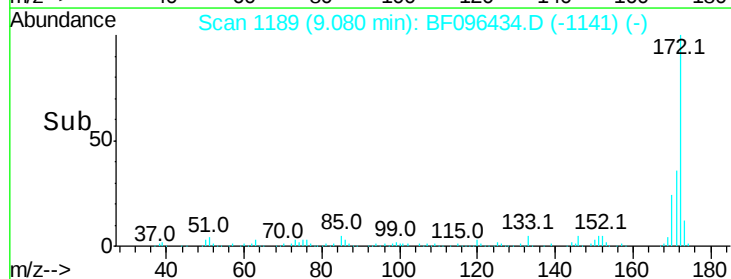
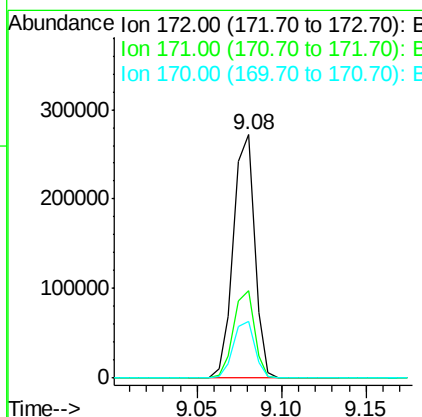
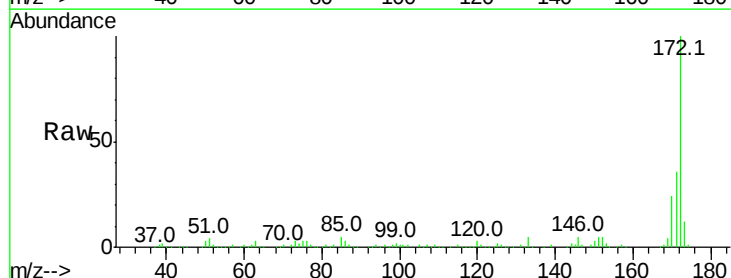
Instrument :
 BNA_F
 ClientSampleId :

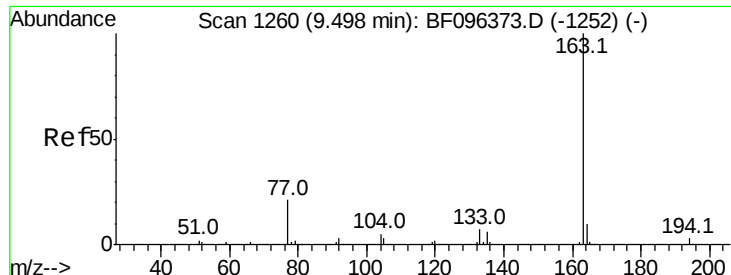
Tot Ion:330 Resp: 42608
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.6 115.0
 141 40.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 16.12 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion:172 Resp: 238993
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.5 19.8 29.8

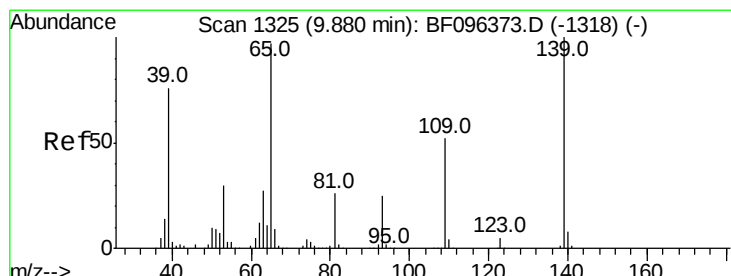
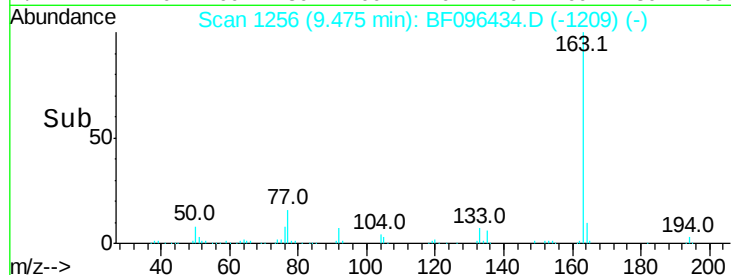
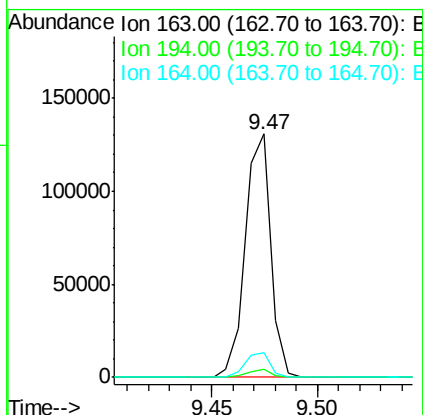
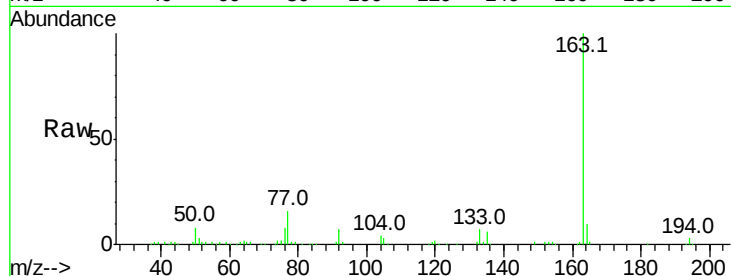




#49
Dimethylphthalate
Concen: 5.81 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

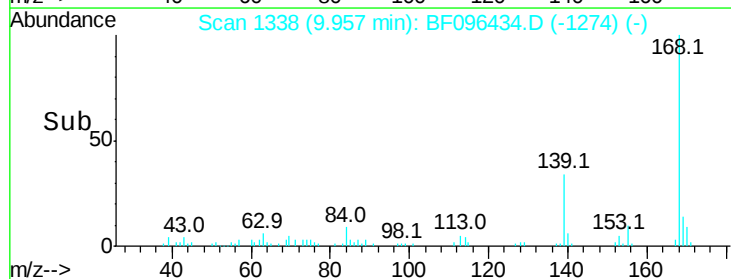
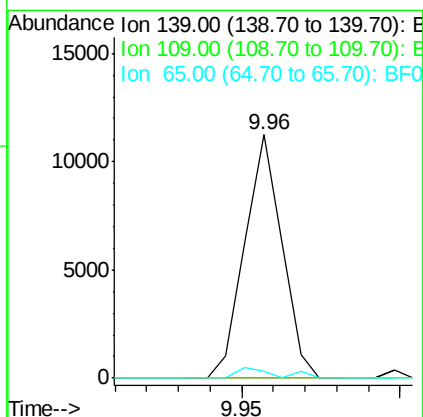
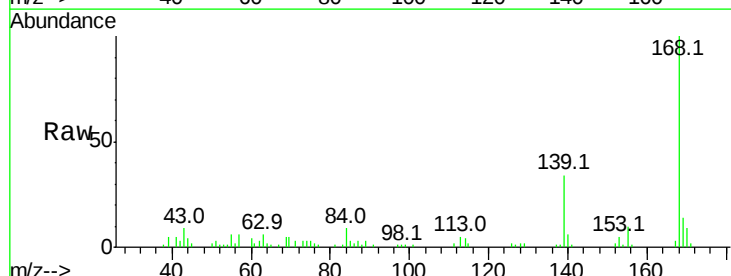
Instrument :
BNA_F
ClientSampleId :

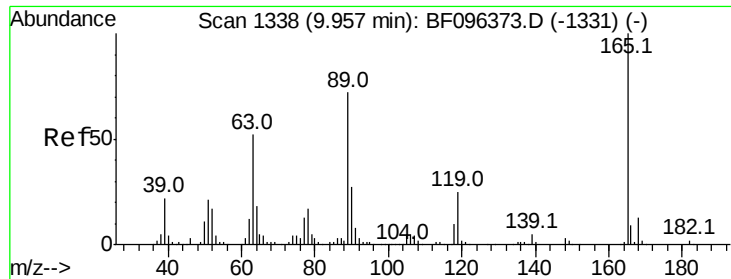
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6



#55
4-Nitrophenol
Concen: 2.12 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.08 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	2.9	31.4	71.4#

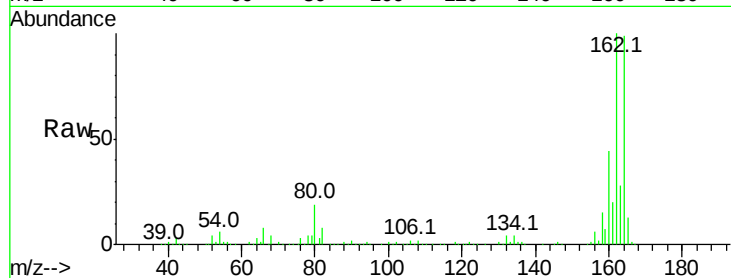




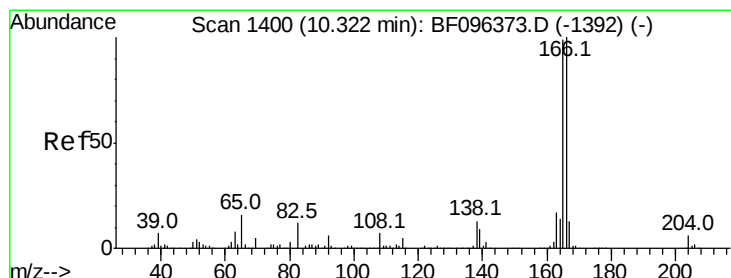
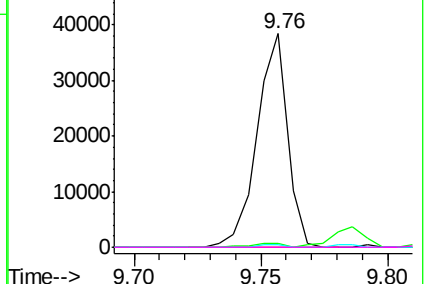
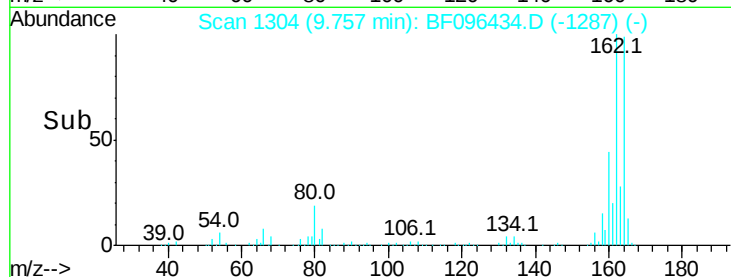
#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 32276
Ion Ratio Lower Upper
165 100
63 1.8 25.4 38.0#
89 1.0 46.4 69.6#
182 0.0 1.8 2.6#

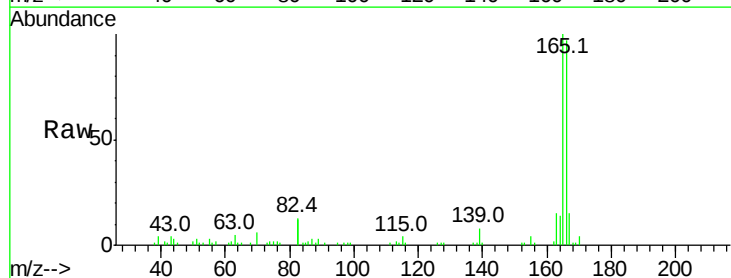


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

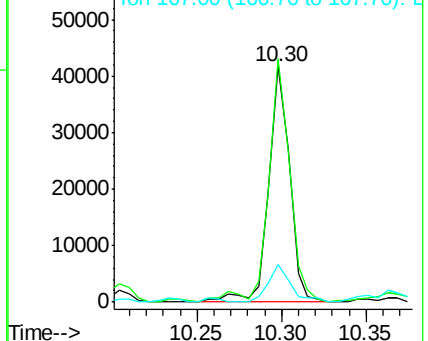
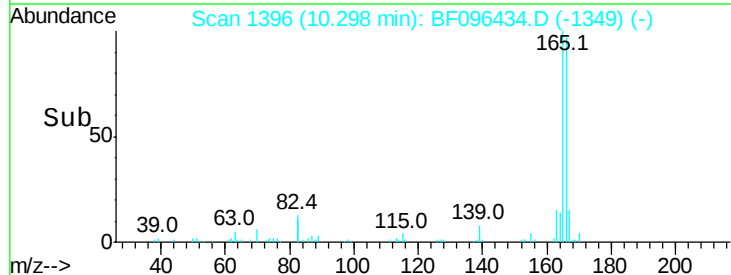


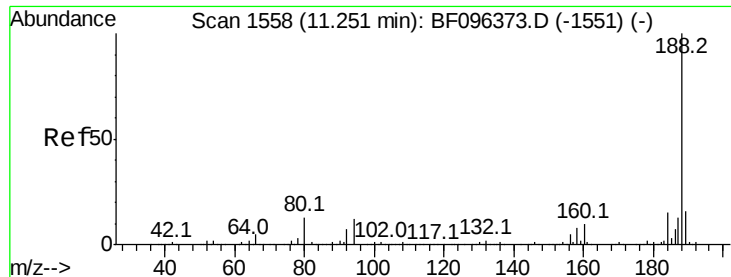
#57
Fluorene
Concen: 2.42 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion:166 Resp: 35725
Ion Ratio Lower Upper
166 100
165 103.4 78.8 118.2
167 15.9 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

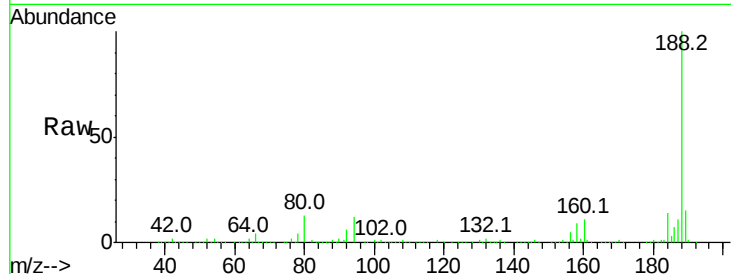




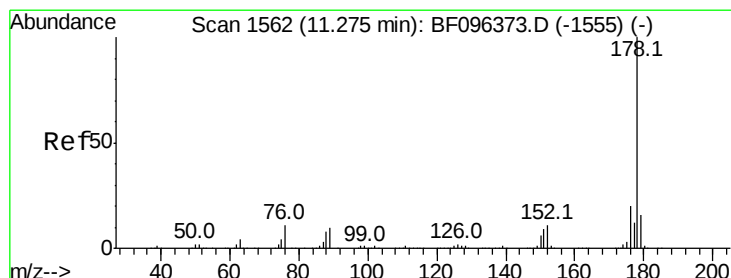
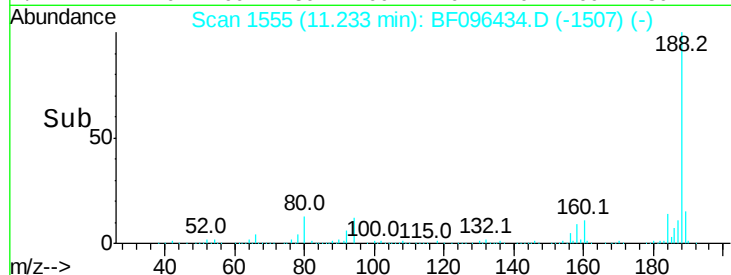
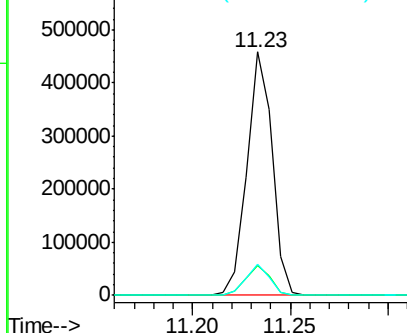
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 409598
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 12.8 10.2 15.2

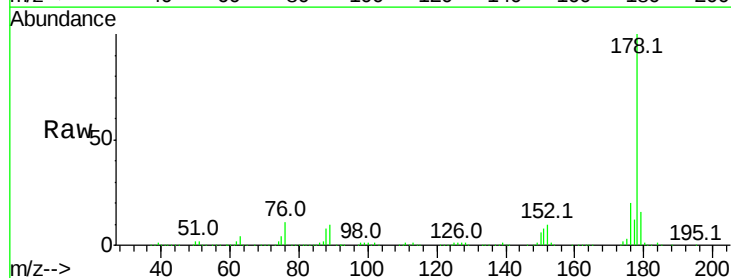


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

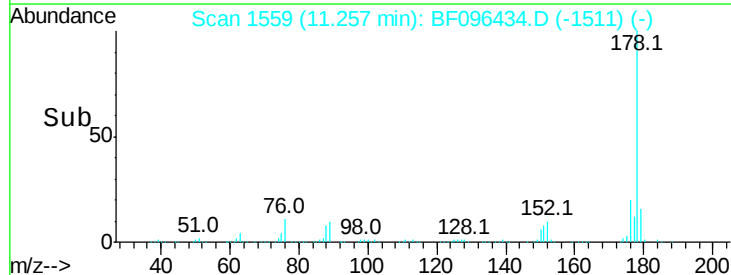
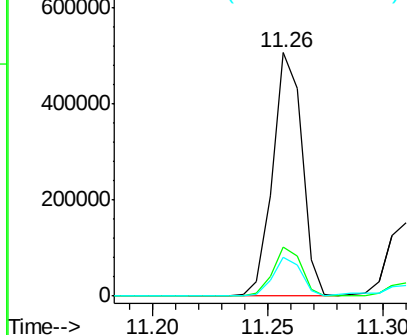


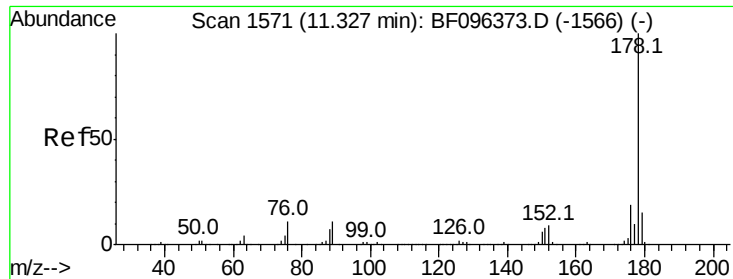
#70
 Phenanthrene
 Concen: 20.13 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion:178 Resp: 445789
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.7 12.6 19.0



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

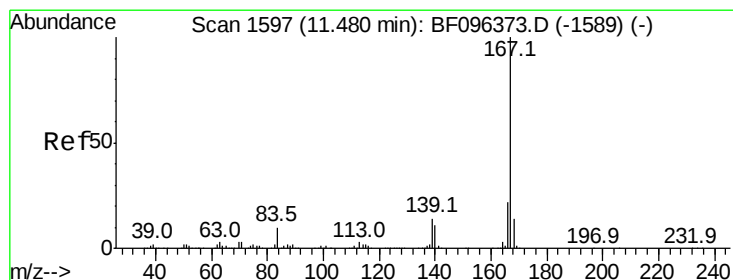
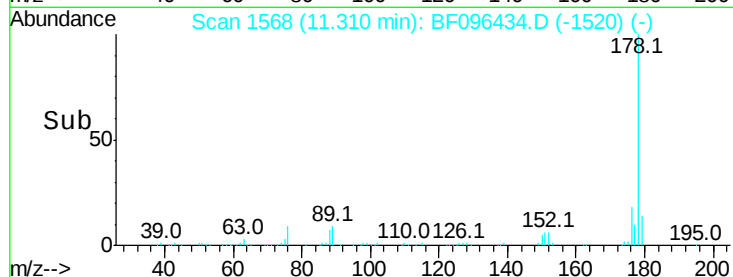
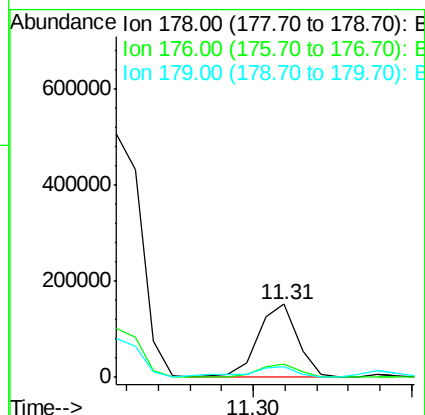
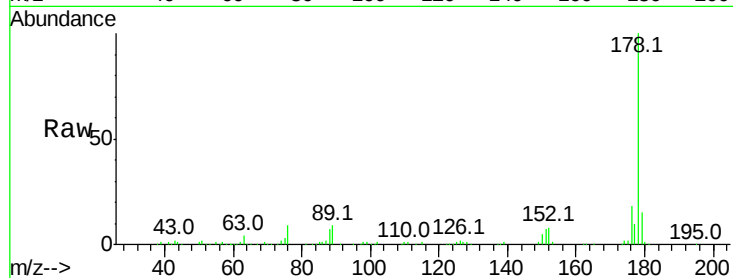




#71
 Anthracene
 Concen: 5.76 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

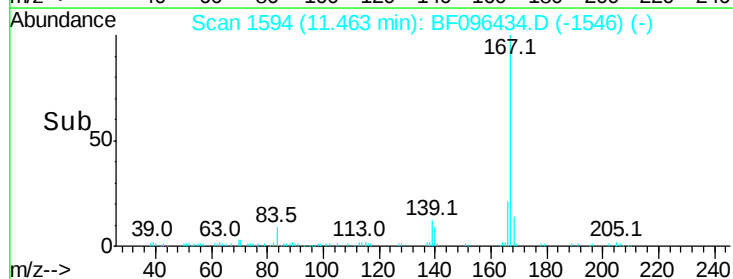
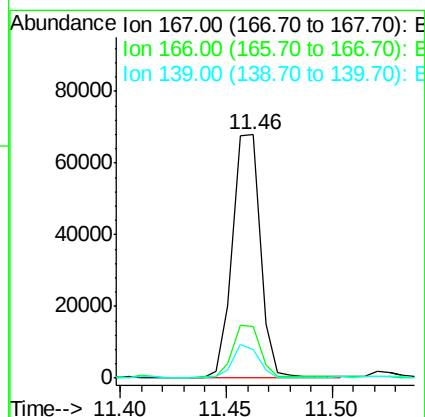
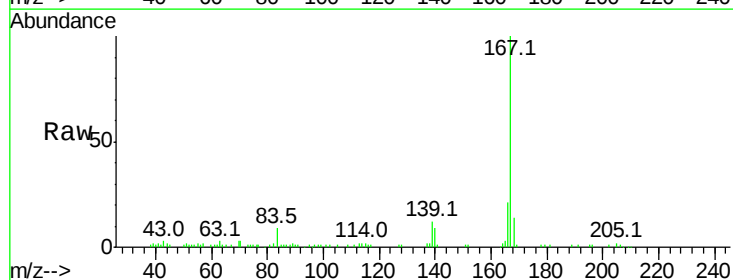
Instrument :
 BNA_F
 ClientSampleId :

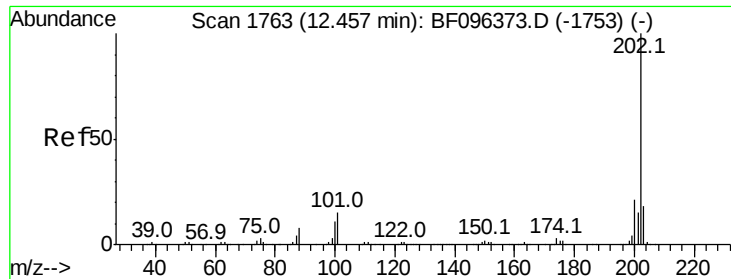
Tot Ion:178 Resp: 129947
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 14.6 12.7 19.1



#72
 Carbazole
 Concen: 2.76 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion:167 Resp: 62569
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.1 27.1
 139 11.8 11.7 17.5





#74

Fluoranthene

Concen: 29.58 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampled :

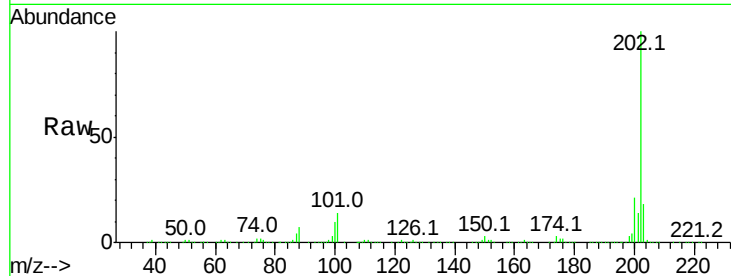
Tot Ion:202 Resp: 642190

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

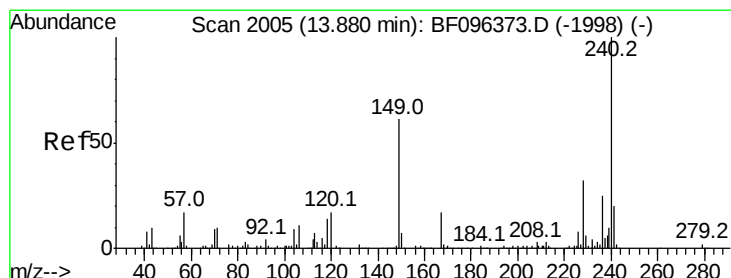
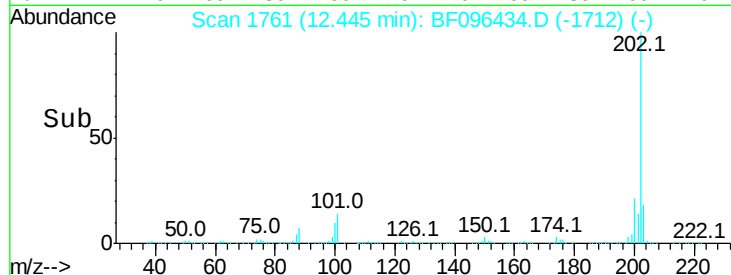
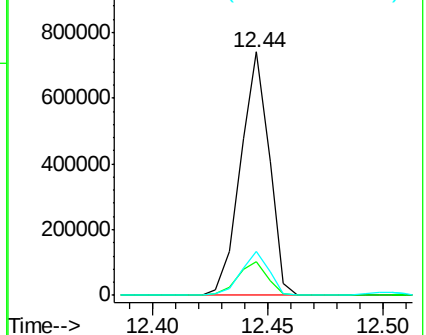
203 18.0 0.0 38.1



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: 20.00 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

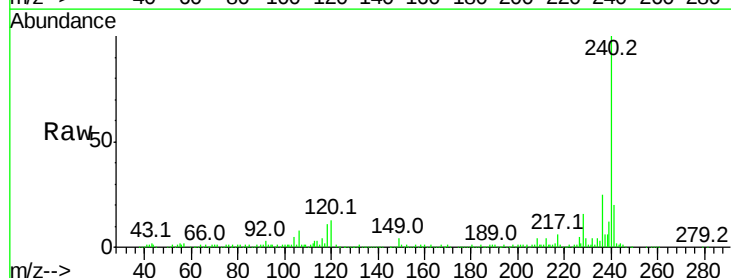
Tgt Ion:240 Resp: 226646

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

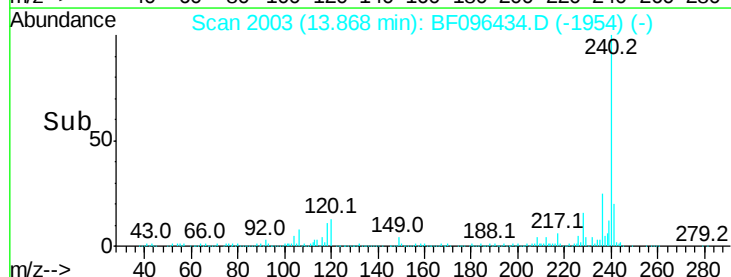
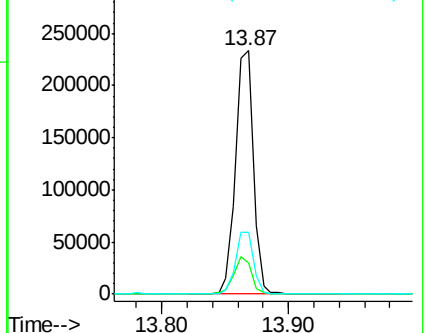
236 25.5 20.5 30.7

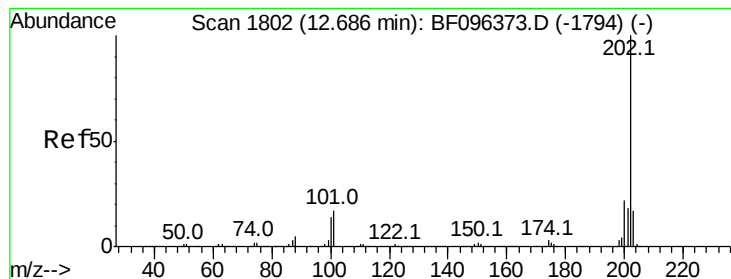


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 29.11 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampleId :

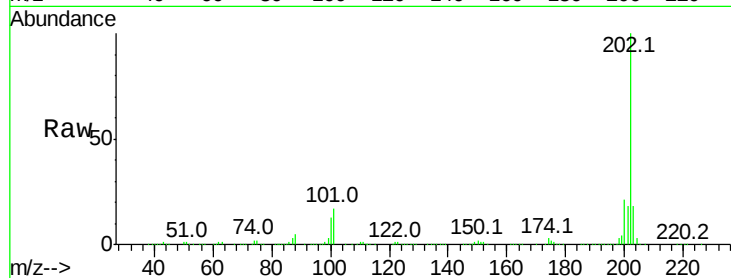
Tot Ion:202 Resp: 529518

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

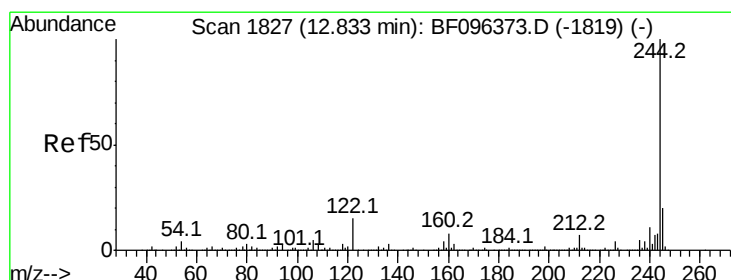
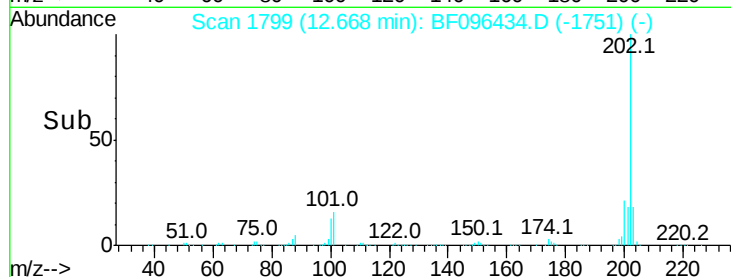
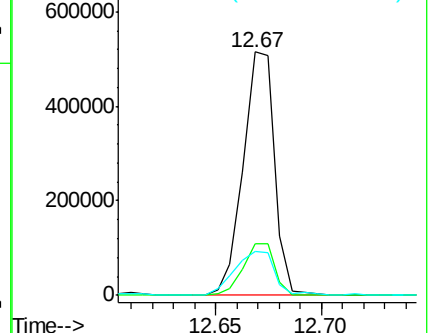
203 18.3 14.4 21.6



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: 15.13 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

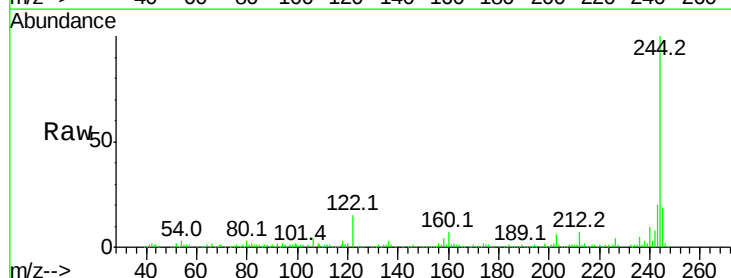
Tgt Ion:244 Resp: 160460

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

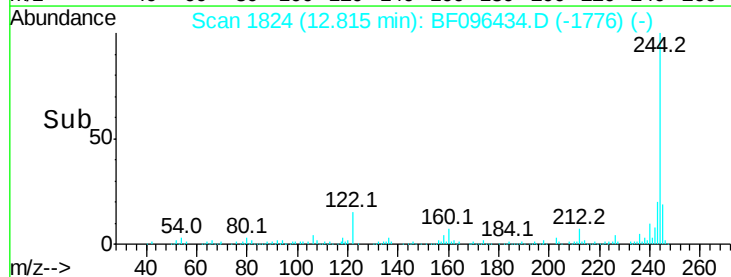
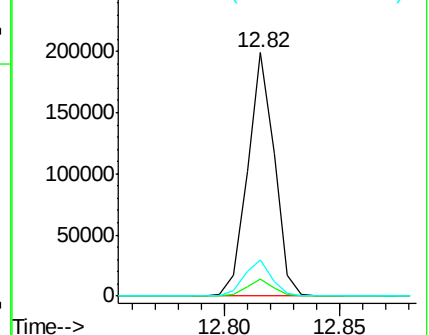
122 14.9 10.3 15.5

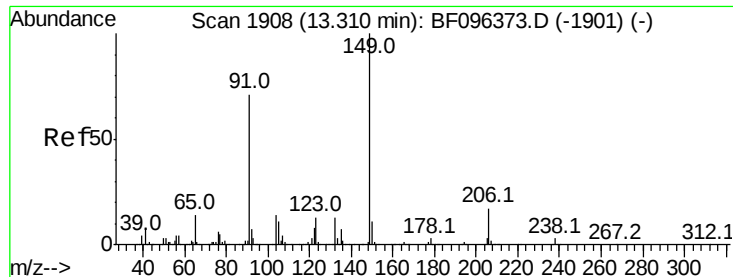


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

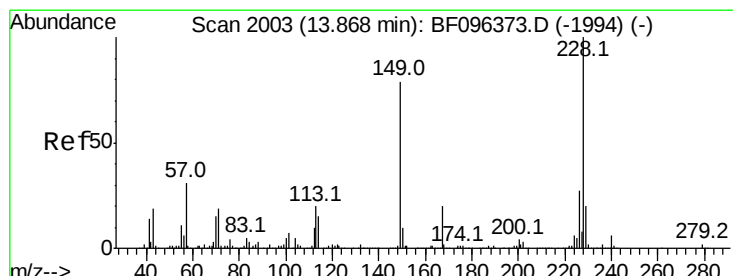
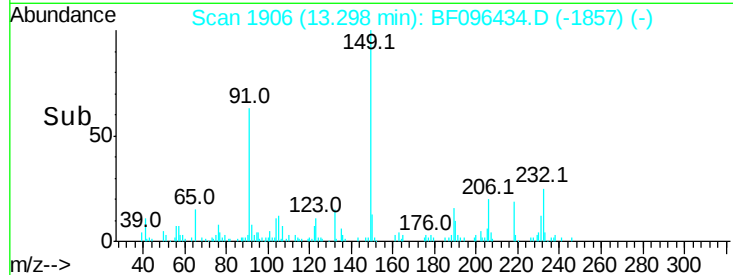
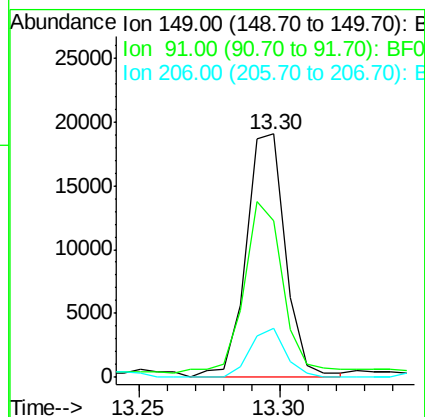
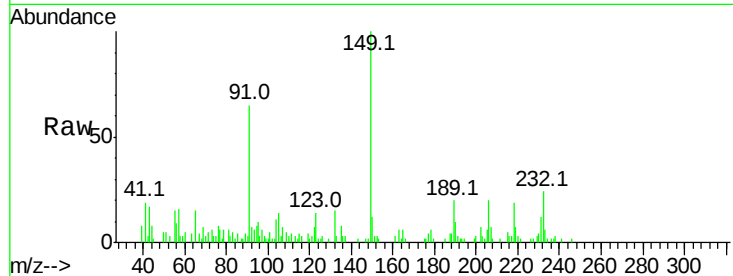




#79
Butylbenzylphthalate
Concen: 2.01 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

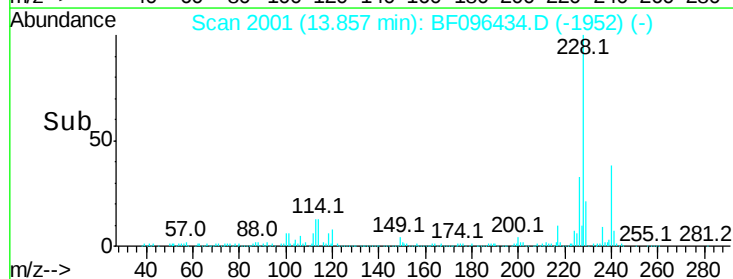
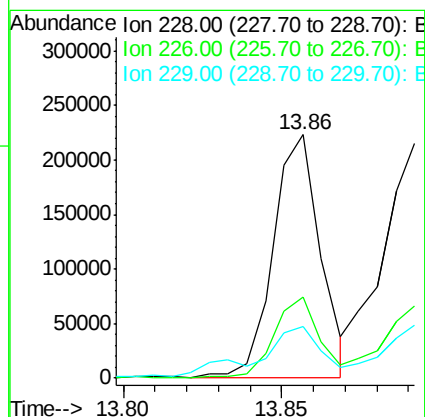
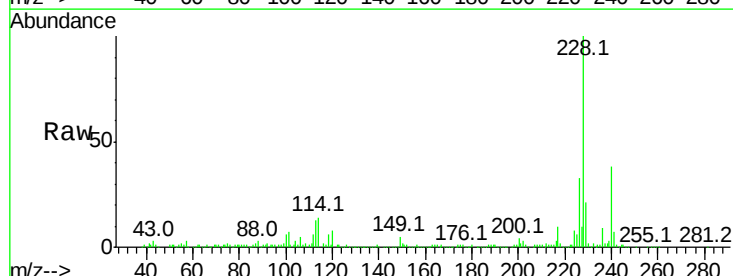
Instrument :
BNA_F
ClientSampled :

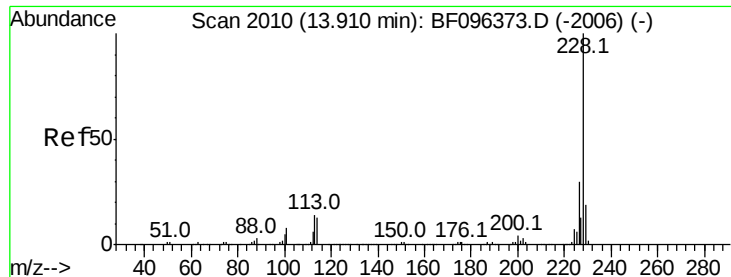
Tot Ion:149 Resp: 18488
Ion Ratio Lower Upper
149 100
91 64.5 45.0 67.4
206 19.9 17.0 25.6



#80
Benzo(a)anthracene
Concen: 17.51 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion:228 Resp: 229765
Ion Ratio Lower Upper
228 100
226 33.4 22.6 33.8
229 21.4 16.3 24.5





#82

Chrysene

Concen: 16.29 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampleId :

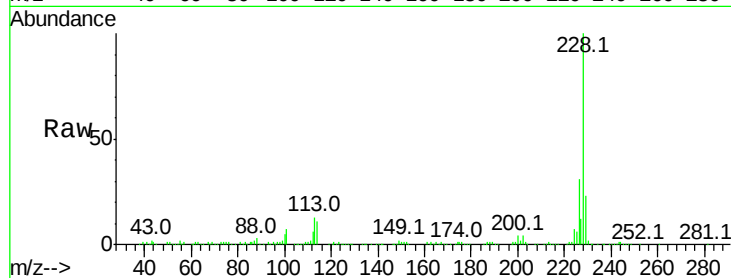
Tot Ion:228 Resp: 223826

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

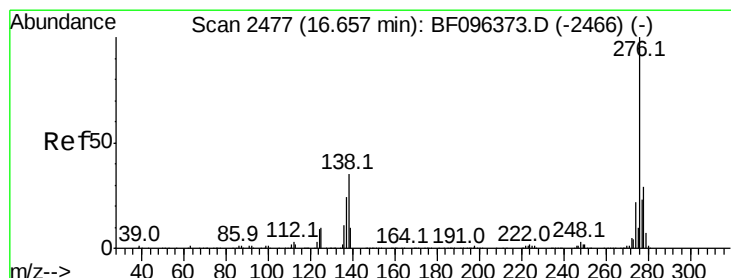
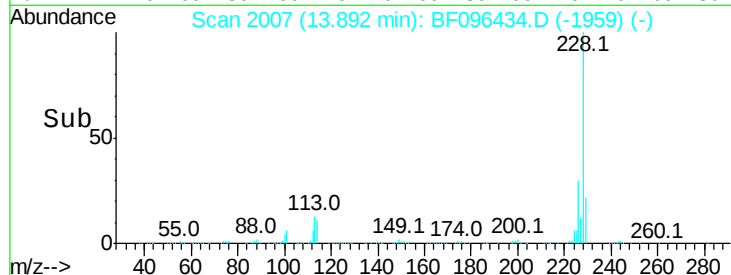
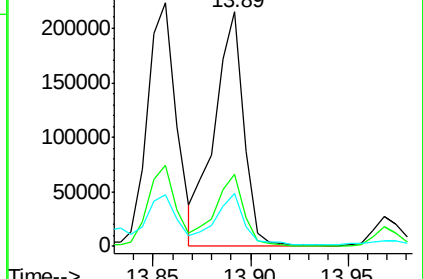
229 22.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 16.46 ng

RT: 16.63 min Scan# 2473

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

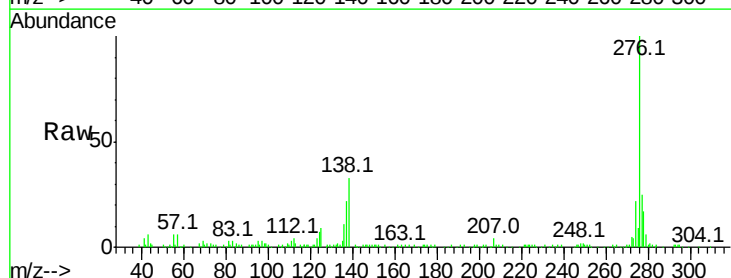
Tgt Ion:276 Resp: 178529

Ion Ratio Lower Upper

276 100

138 32.1 27.8 41.6

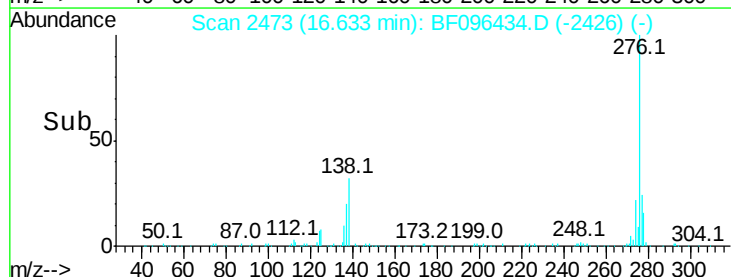
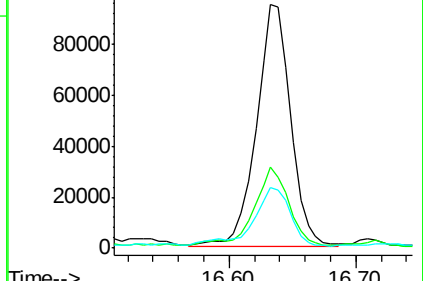
277 25.0 20.2 30.4

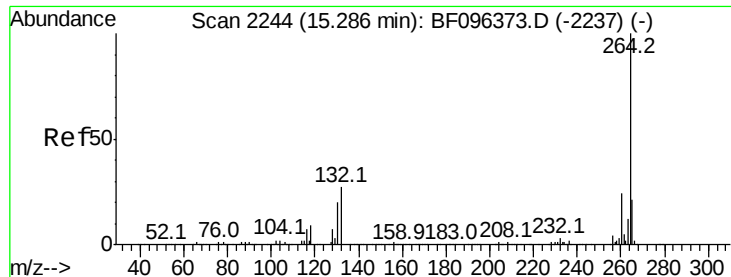


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

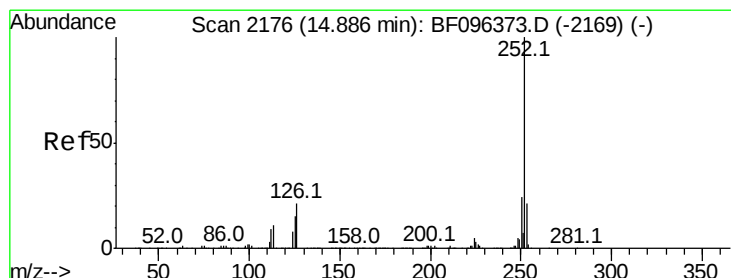
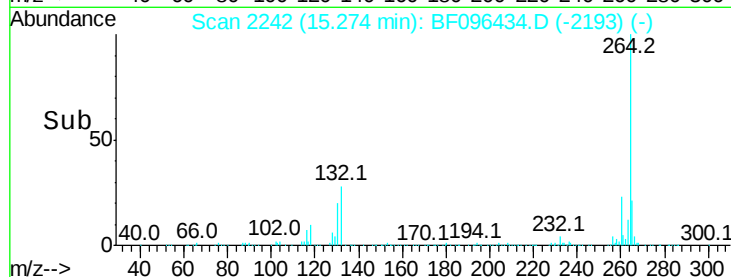
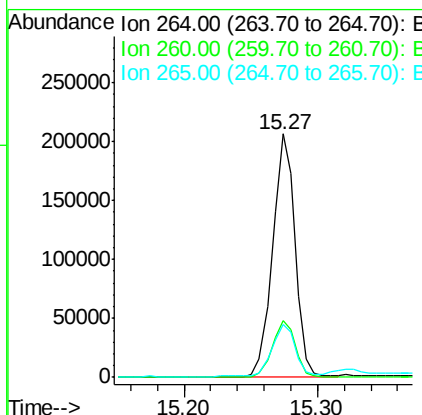
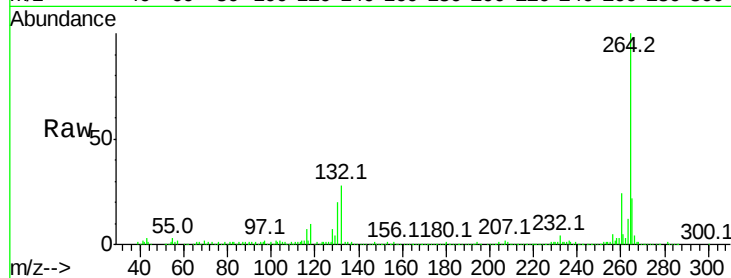




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

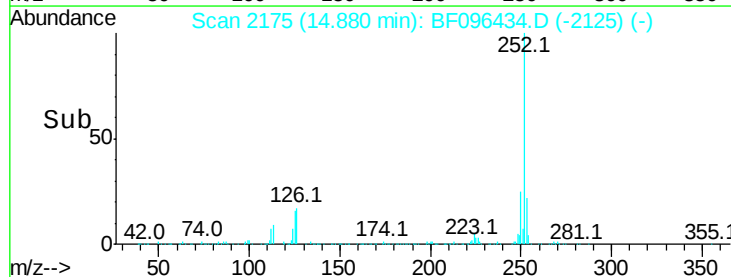
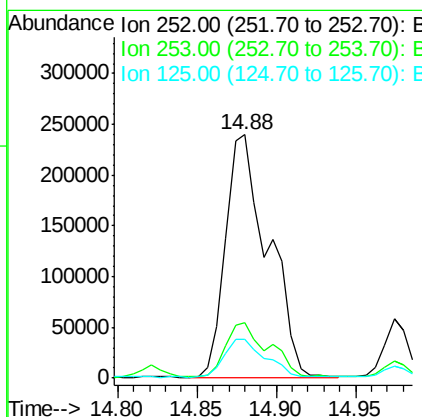
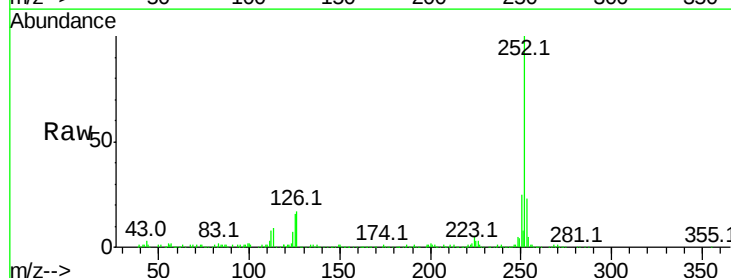
Instrument :
BNA_F
ClientSampled :

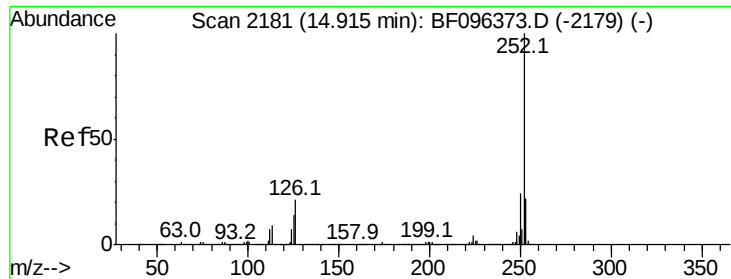
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 29.02 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.0	9.8	14.8#

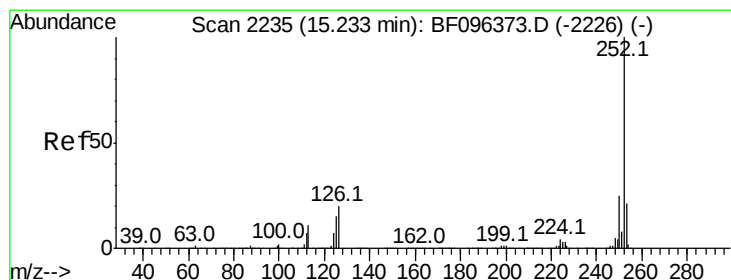
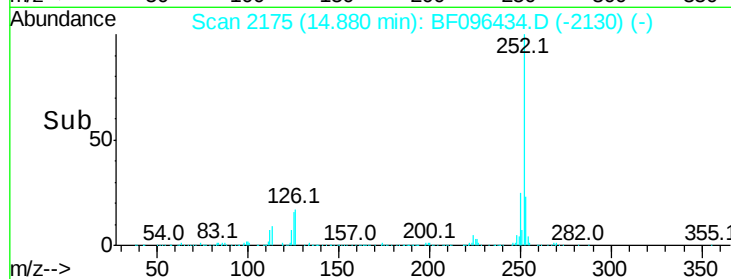
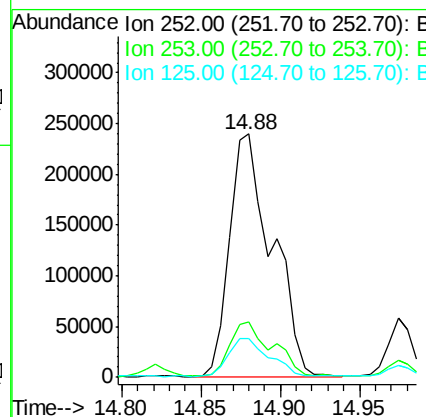
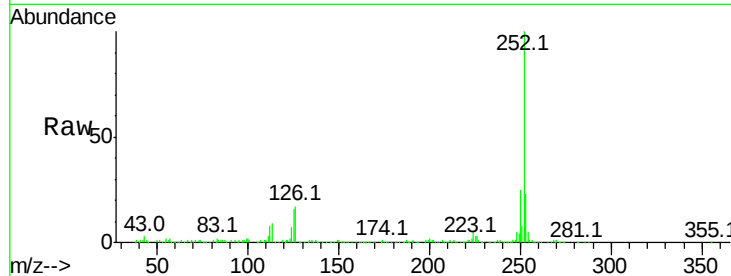




#88
Benzo(k)fluoranthene
Concen: 32.44 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

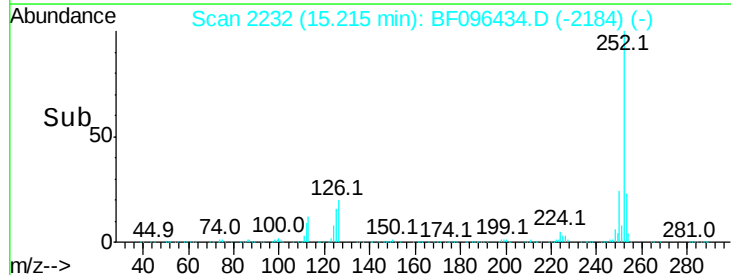
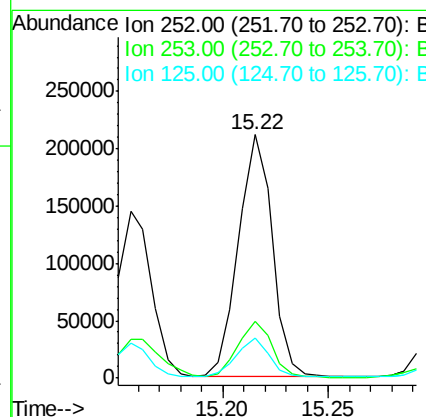
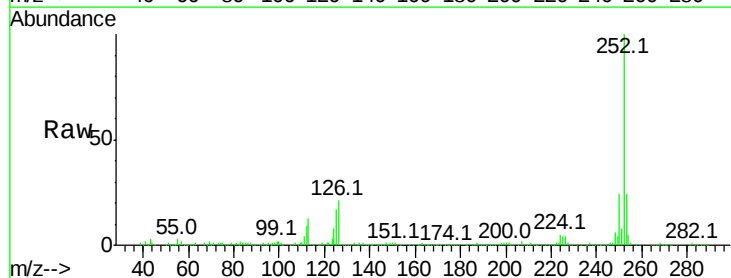
Instrument :
BNA_F
ClientSampleId :

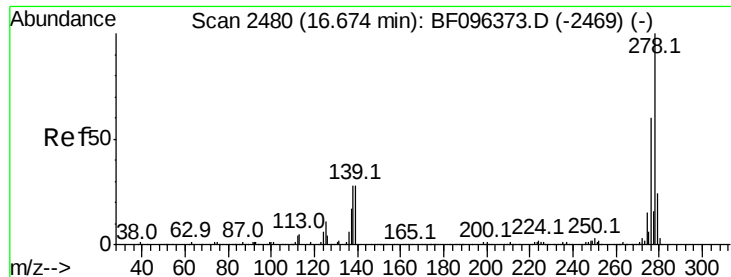
Tot Ion:252 Resp: 446183
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 16.0 13.1 19.7



#89
Benzo(a)pyrene
Concen: 17.06 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion:252 Resp: 234145
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 16.7 11.0 16.4#





#90

Dibenzo(a,h)anthracene

Concen: 4.18 ng

RT: 16.64 min Scan# 2475

Delta R.T. -0.03 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

ClientSampled :

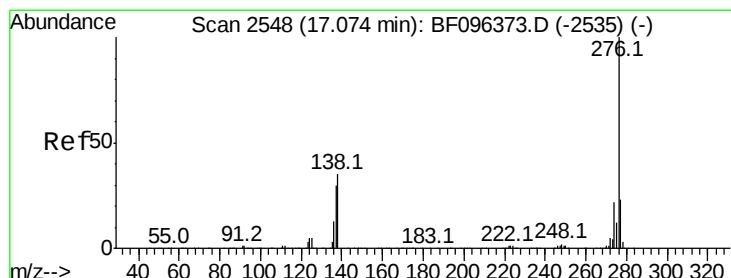
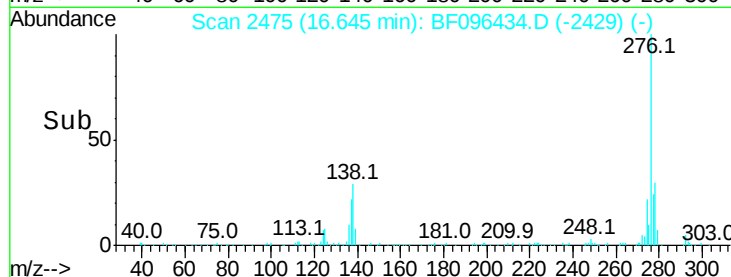
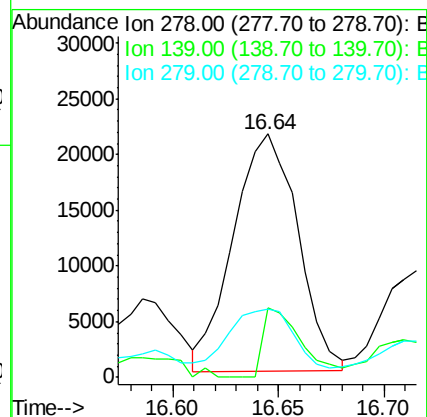
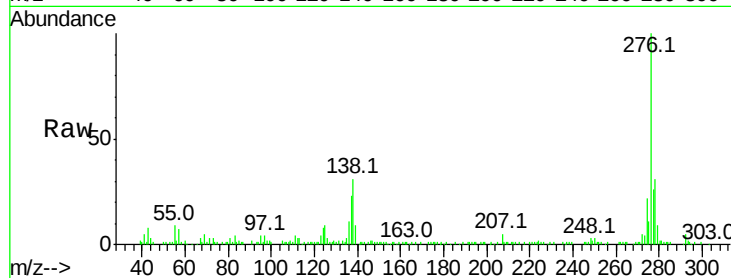
Tot Ion:278 Resp: 45172

Ion Ratio Lower Upper

278 100

139 28.7 16.6 24.8#

279 27.9 19.3 28.9



#91

Benzo(g,h,i)perylene

Concen: 14.04 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.03 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Tgt Ion:276 Resp: 157152

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 34.2 25.4 38.0

