

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087808.D
 Acq On : 8 Jun 2016 14:22
 Operator : UM/SJ
 Sample : H3379-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Jun 09 01:58:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	98615	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	423468	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	200987	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	358330	20.00	ng	0.00
75) Chrysene-d12	13.99	240	236691	20.00	ng	0.00
86) Perylene-d12	15.42	264	216498	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	406921	70.54	ng	-0.01
7) Phenol-d6	6.46	99	571431	81.74	ng	-0.02
23) Nitrobenzene-d5	7.38	82	304285	41.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	143129	67.44	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	591457	43.53	ng	-0.02
78) Terphenyl-d14	12.95	244	533698	51.31	ng	0.00

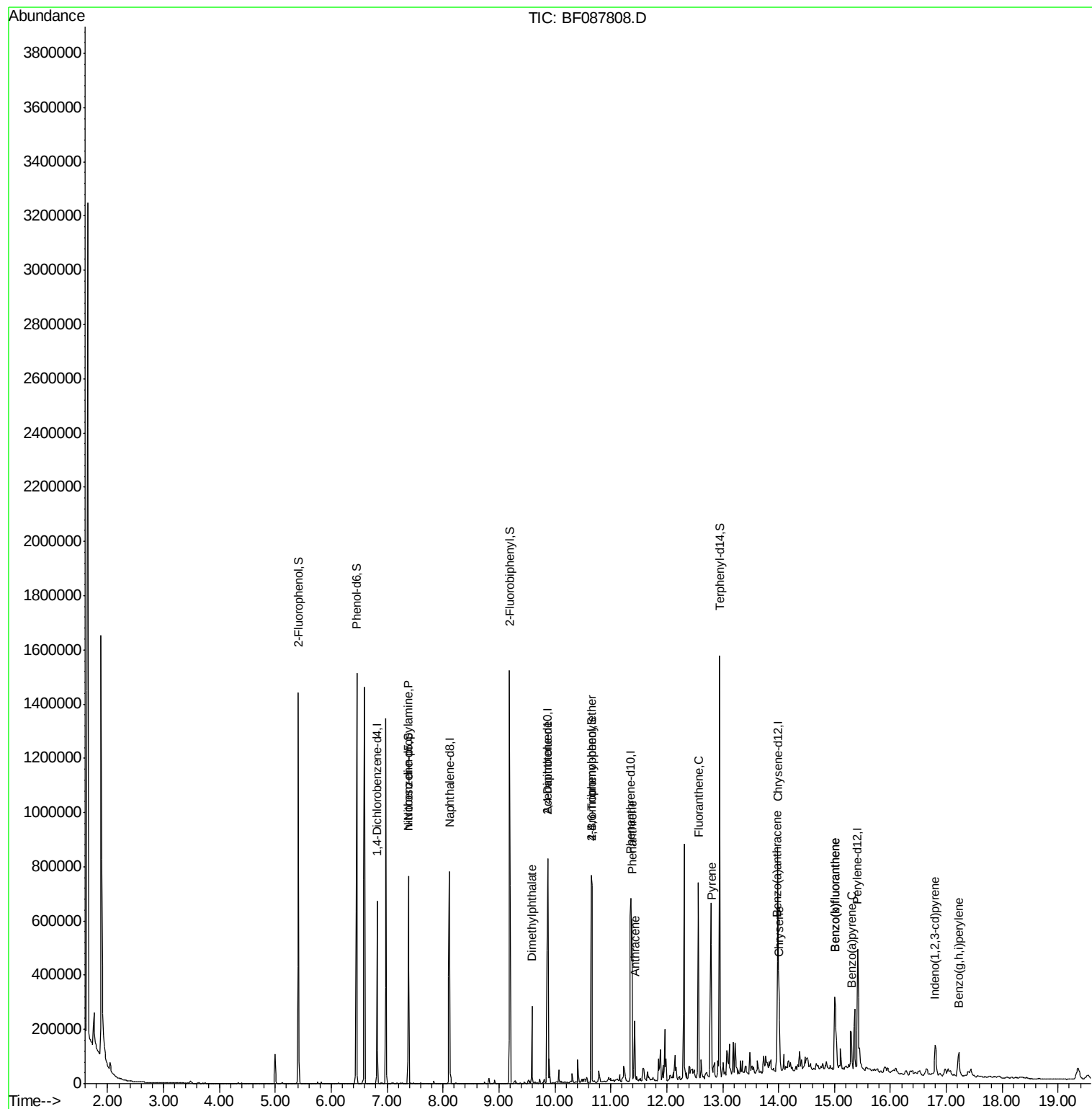
Target Compounds				Qvalue		
10) Phenol	6.47	94	5739	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.38	70	38564	8.62 ng	#	76
45) 1,1'-Biphenyl	9.29	154	2779	Below Cal		95
49) Dimethylphthalate	9.59	163	106906	7.34 ng		99
56) 2,4-Dinitrotoluene	9.87	165	25587	5.97 ng	#	38
57) Fluorene	10.41	166	24401	Below Cal		99
66) 4-Bromophenyl-phenylether	10.66	248	8354	2.17 ng	#	1
70) Phenanthrene	11.38	178	308470	16.41 ng		97
71) Anthracene	11.43	178	86354	4.55 ng		98
74) Fluoranthene	12.57	202	404549	20.39 ng		93
77) Pyrene	12.80	202	353178	20.11 ng		98
80) Benzo(a)anthracene	13.98	228	165389	12.26 ng		99
82) Chrysene	14.01	228	115577	9.11 ng		96
85) Indeno(1,2,3-cd)pyrene	16.80	276	78272	6.64 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	211226	14.00 ng	#	94
88) Benzo(k)fluoranthene	15.01	252	211226	18.56 ng		99
89) Benzo(a)pyrene	15.30	252	80350	6.58 ng		97
91) Benzo(g,h,i)perylene	17.22	276	79805	6.84 ng		95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

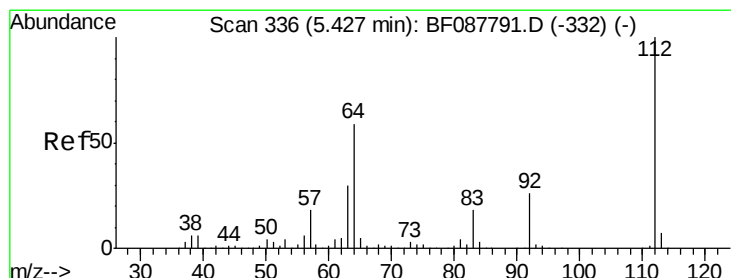
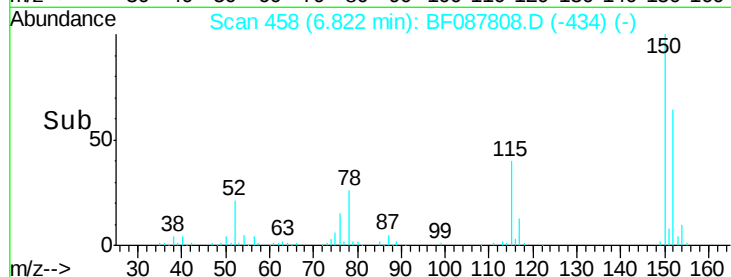
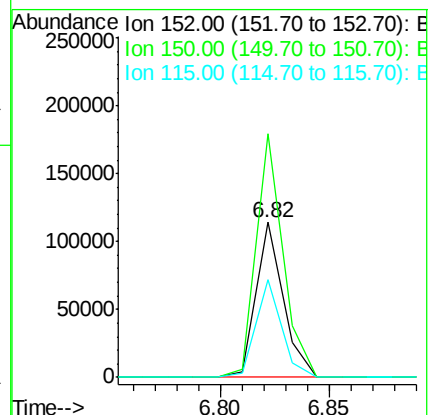
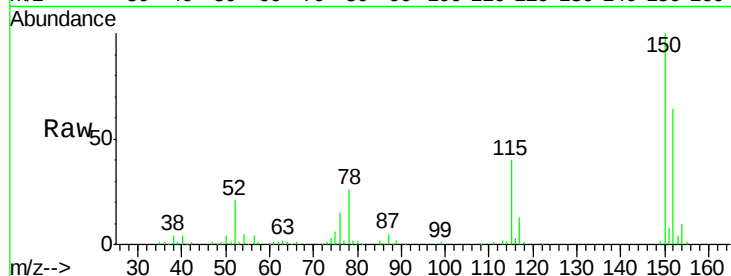
Tgt Ion:152 Resp: 98615

Ion Ratio Lower Upper

152 100

150 157.1 123.8 185.6

115 63.2 39.6 59.4#



#5

2-Fluorophenol

Concen: 70.54 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

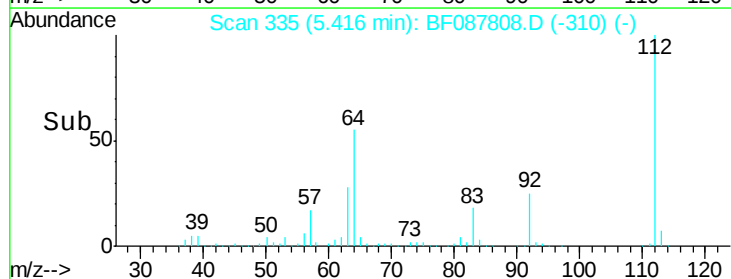
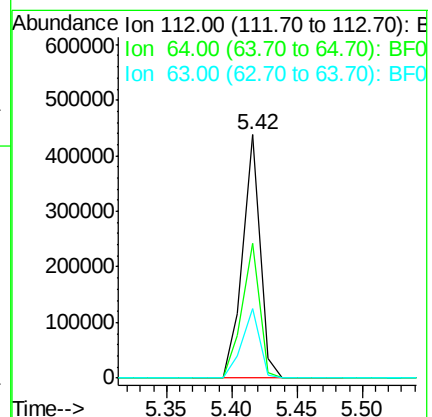
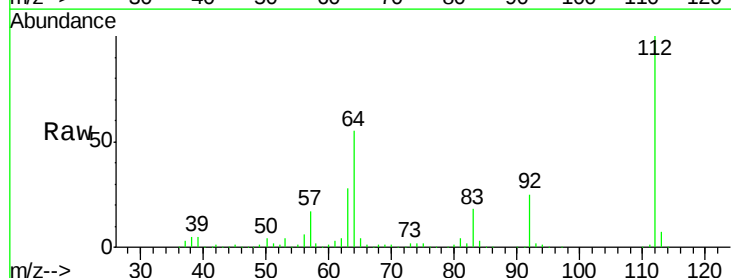
Tgt Ion:112 Resp: 406921

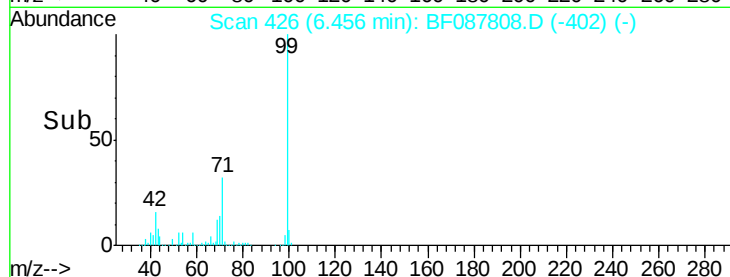
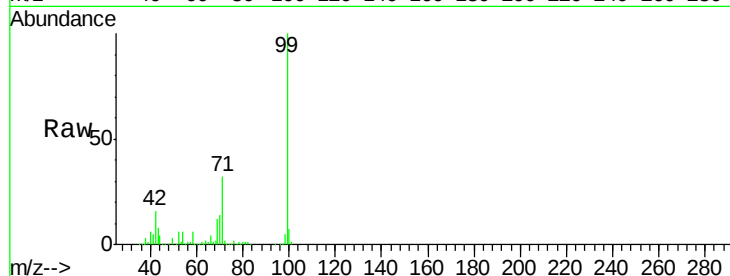
Ion Ratio Lower Upper

112 100

64 55.2 42.2 63.2

63 28.4 21.8 32.8





#7

Phenol-d6

Concen: 81.74 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

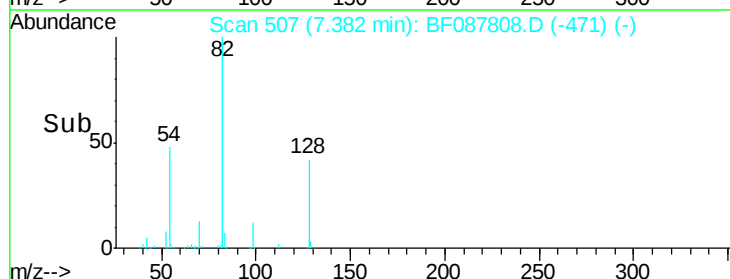
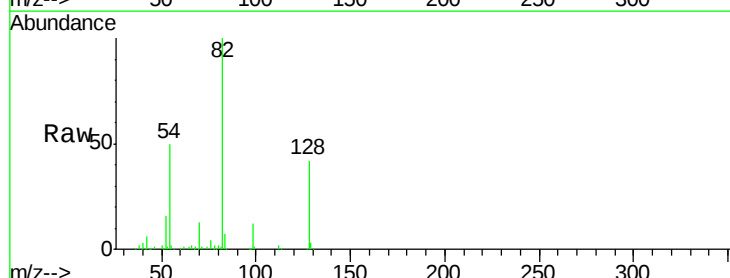
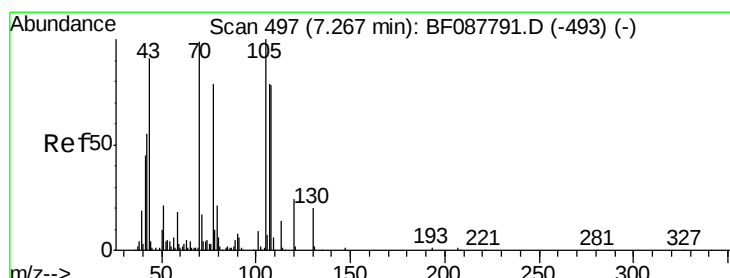
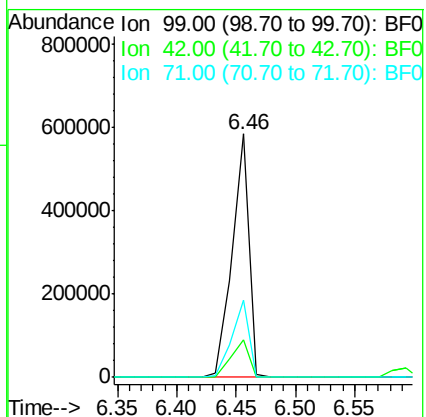
Tgt Ion: 99 Resp: 571431

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

71 31.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.62 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion: 70 Resp: 38564

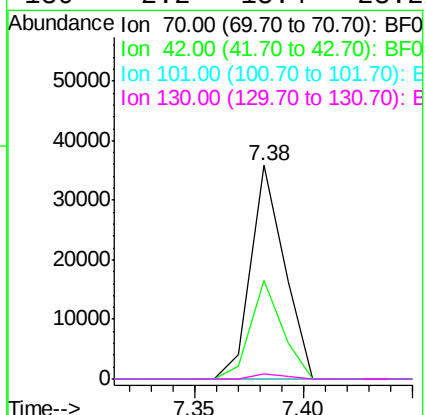
Ion Ratio Lower Upper

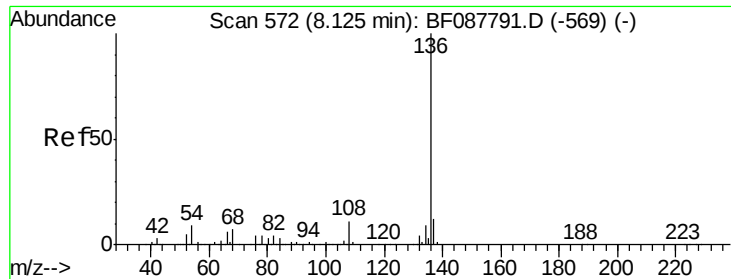
70 100

42 46.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion: 136 Resp: 423468

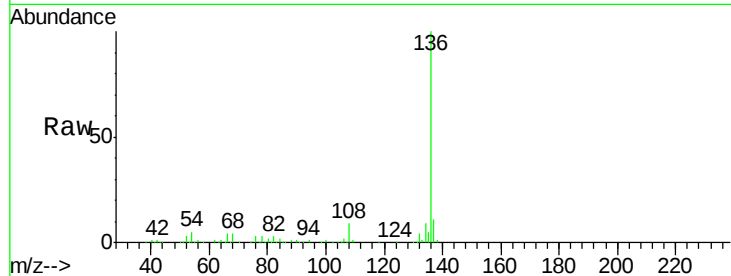
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.2 6.6 10.0#

68 4.4 5.1 7.7#

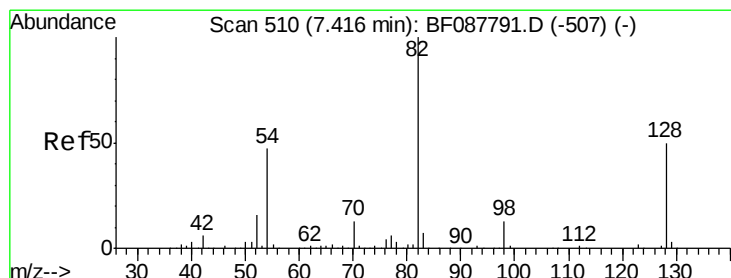
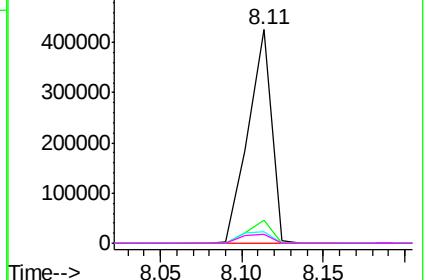
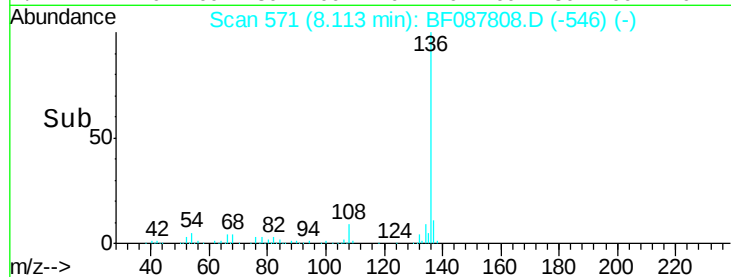


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.96 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

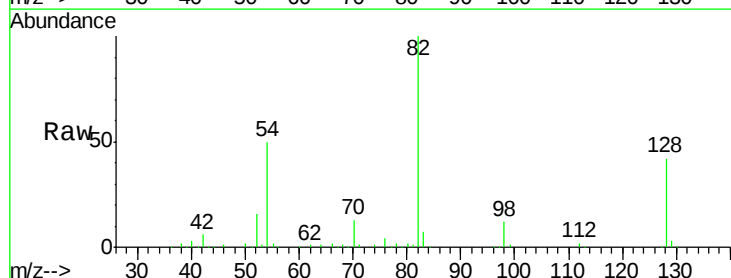
Tgt Ion: 82 Resp: 304285

Ion Ratio Lower Upper

82 100

128 42.2 35.9 53.9

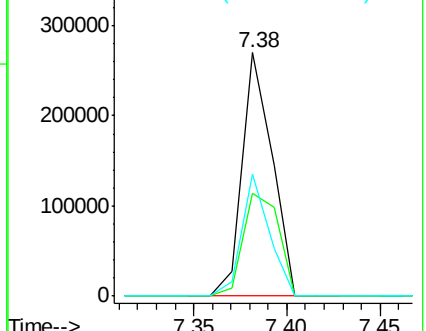
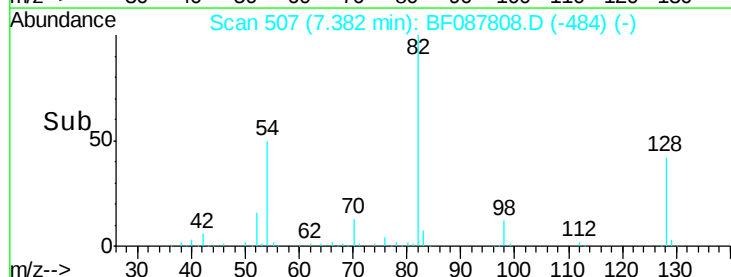
54 50.3 40.9 61.3

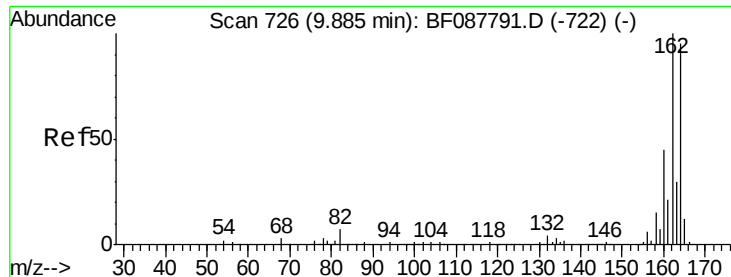


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

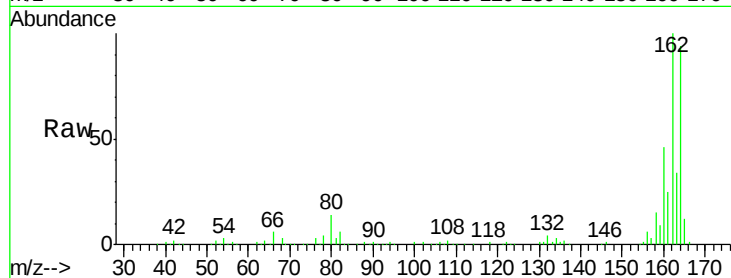
Tgt Ion:164 Resp: 200987

Ion Ratio Lower Upper

164 100

162 106.0 85.4 128.2

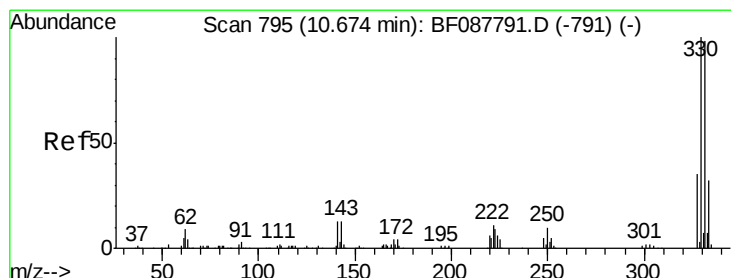
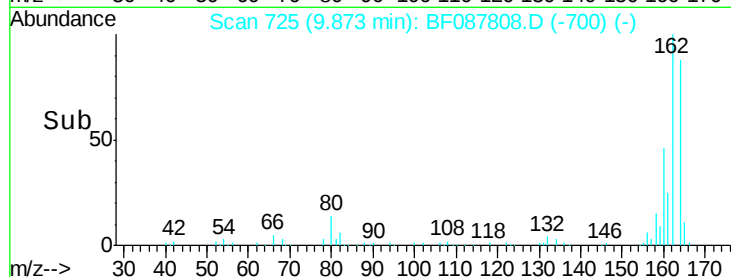
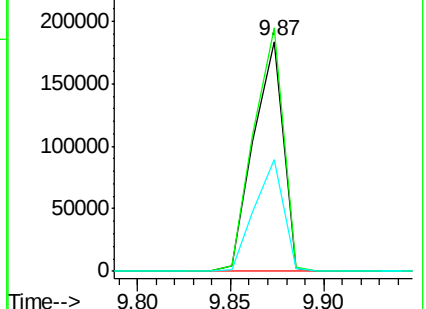
160 48.5 39.5 59.3



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: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

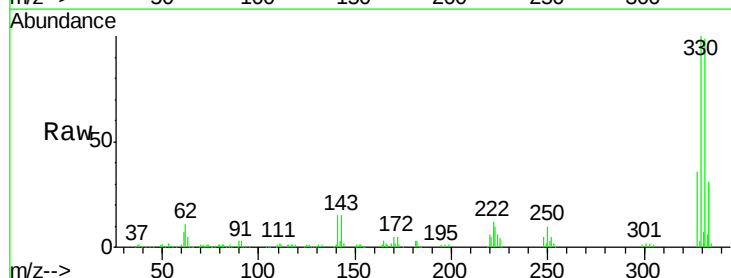
Tgt Ion:330 Resp: 143129

Ion Ratio Lower Upper

330 100

332 98.7 0.0 0.0#

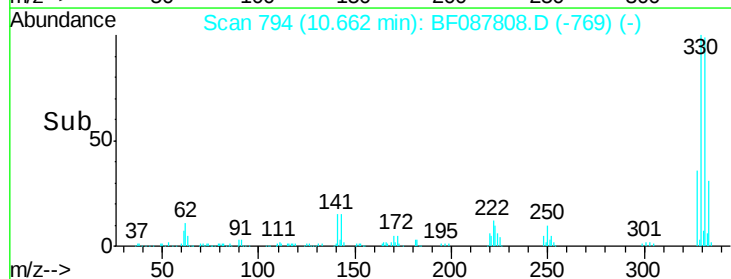
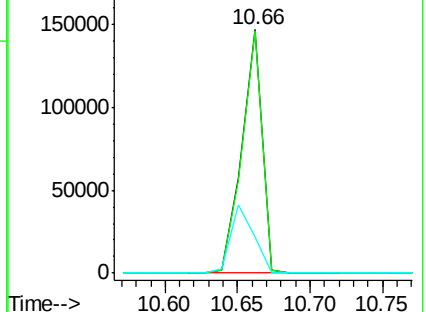
141 31.6 0.0 0.0#



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

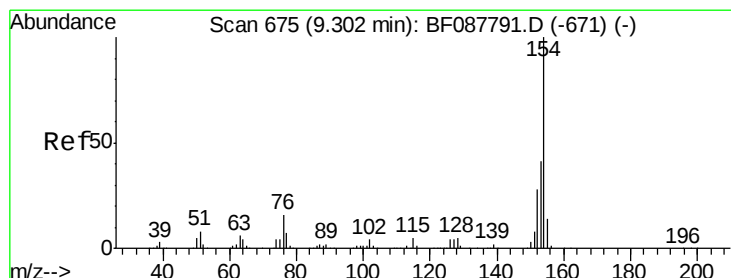
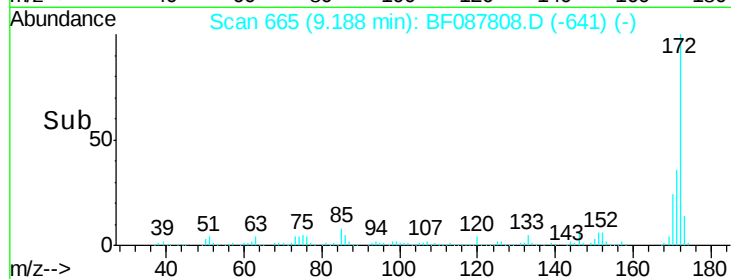
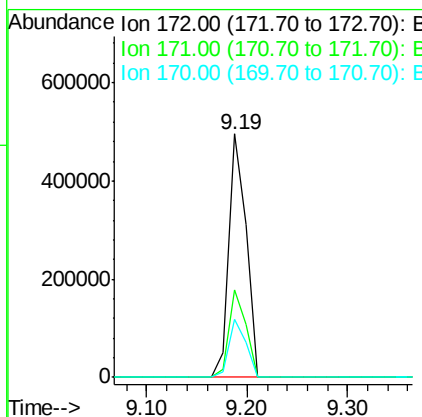
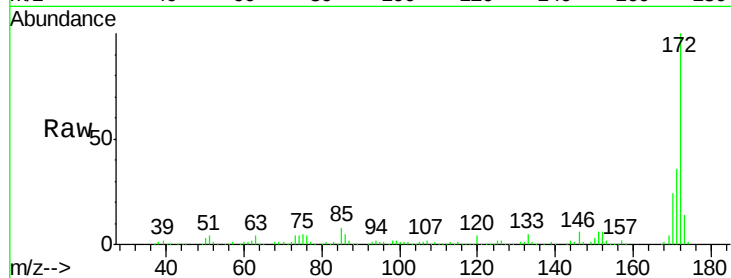




#44
 2-Fluorobiphenyl
 Concen: 43.53 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

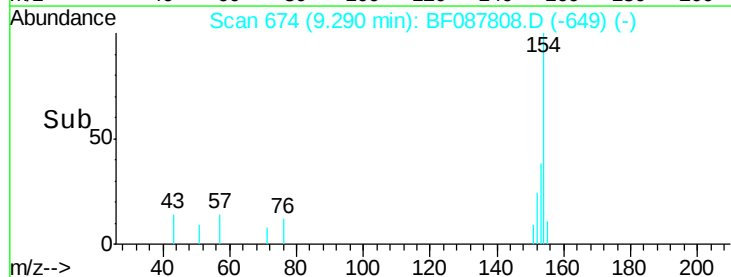
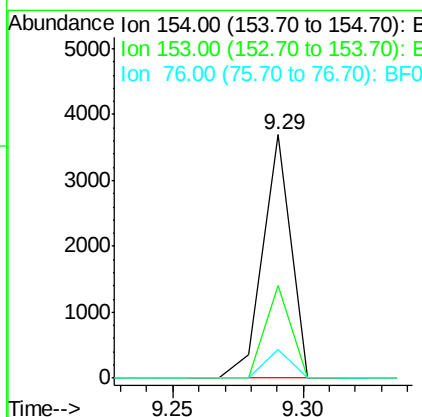
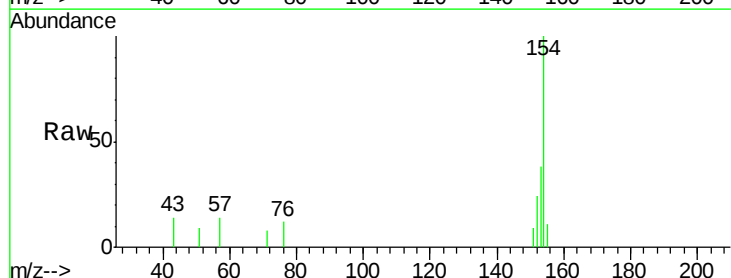
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

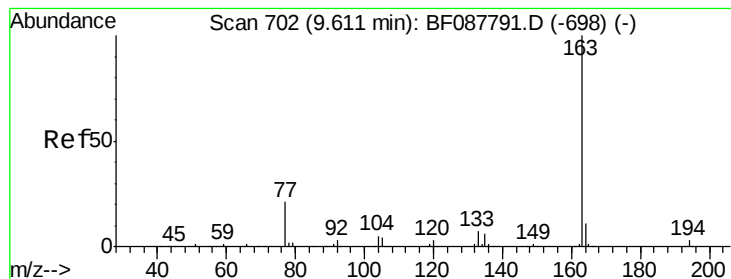
Tgt Ion:172 Resp: 591457
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.7 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion:154 Resp: 2779
 Ion Ratio Lower Upper
 154 100
 153 38.1 20.6 60.6
 76 11.7 0.0 35.1





#49

Dimethylphthalate

Concen: 7.34 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

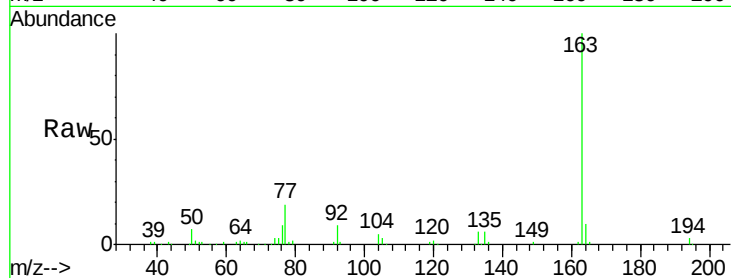
Tgt Ion:163 Resp: 106906

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

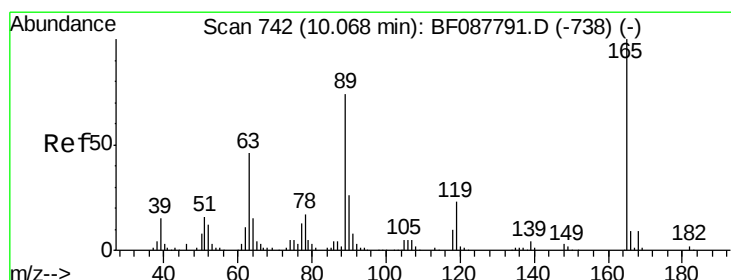
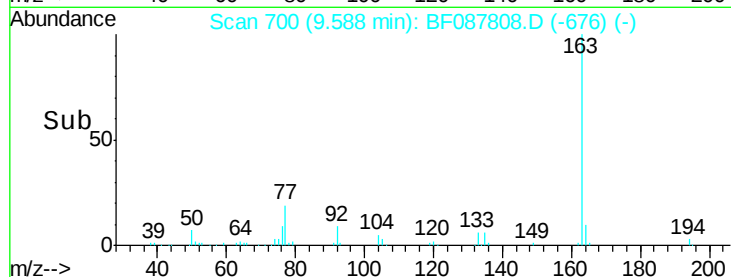
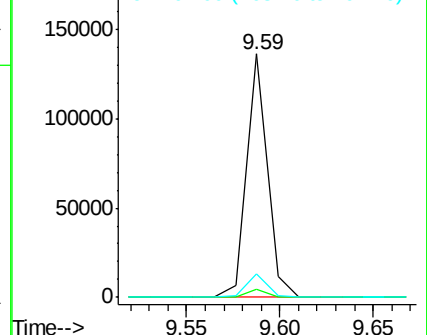
164 9.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.97 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion:165 Resp: 25587

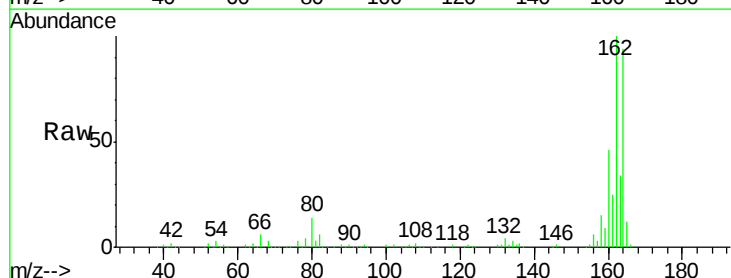
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

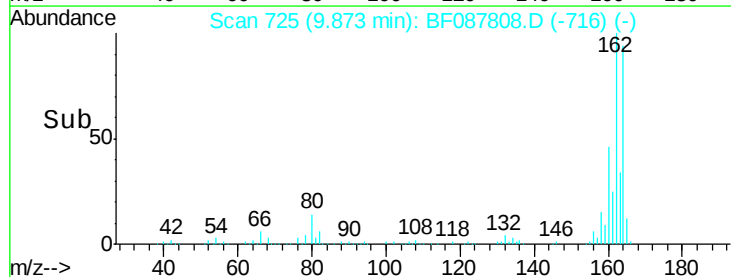
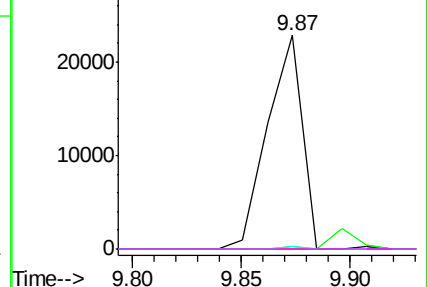


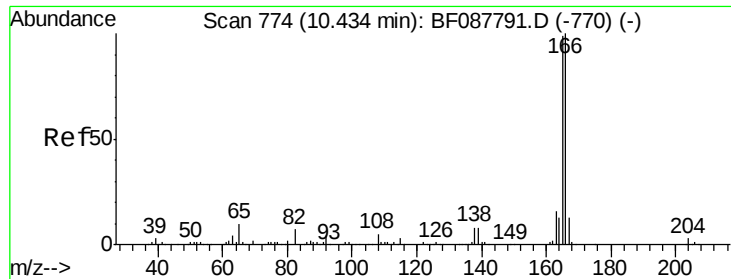
Abundance Ion 165.00 (164.70 to 165.70): E

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

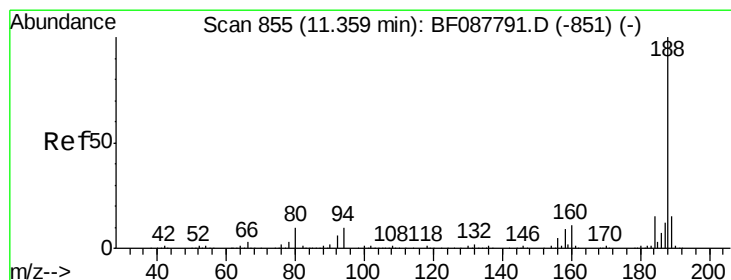
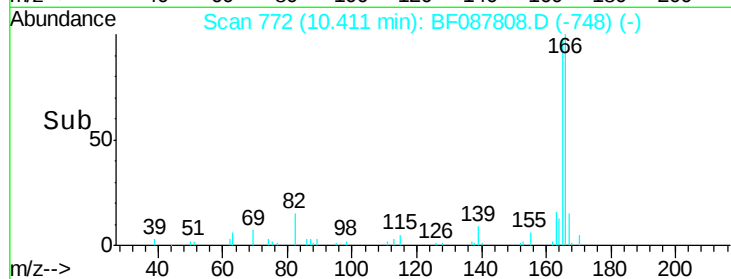
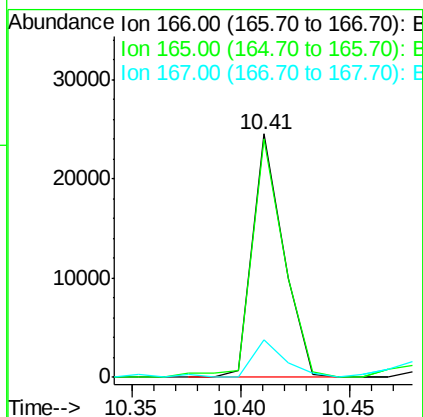
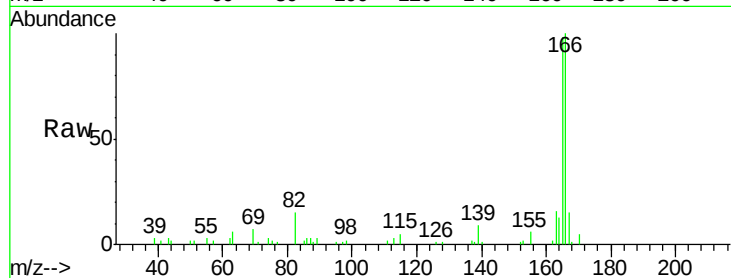




#57
Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

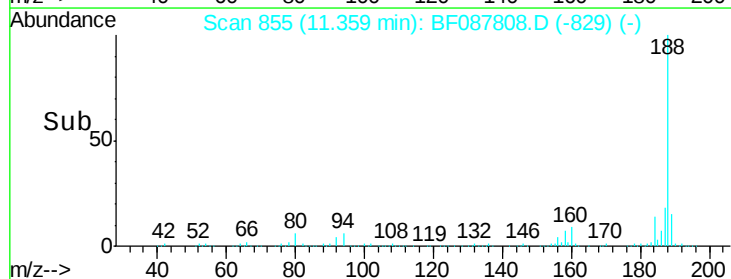
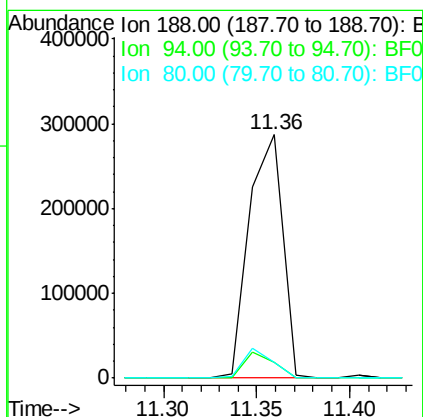
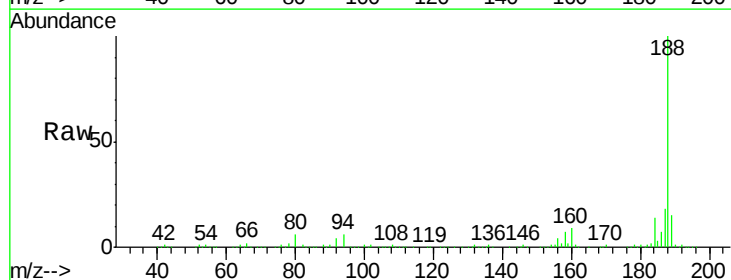
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

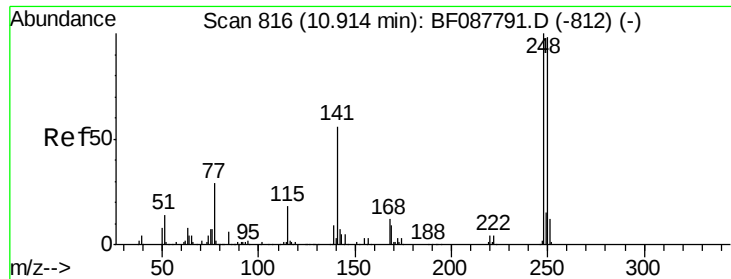
Tgt Ion:166 Resp: 24401
 Ion Ratio Lower Upper
 166 100
 165 98.0 77.8 116.8
 167 15.4 11.2 16.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion:188 Resp: 358330
 Ion Ratio Lower Upper
 188 100
 94 6.5 9.0 13.6#
 80 6.3 10.0 15.0#

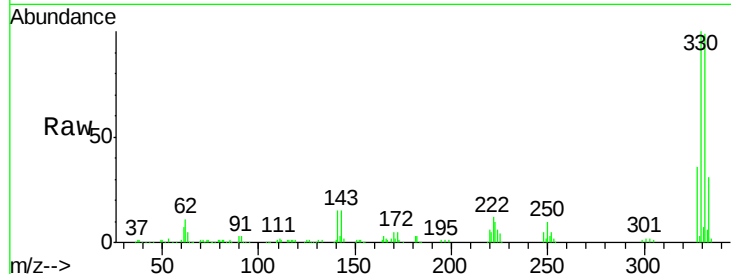




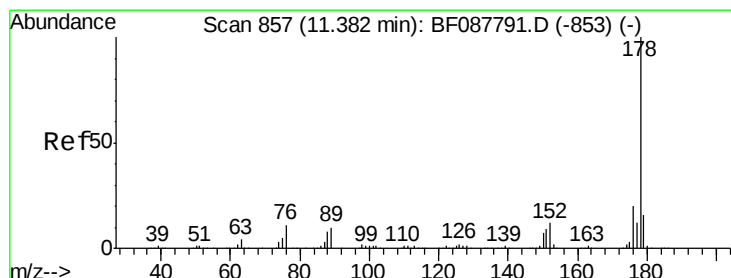
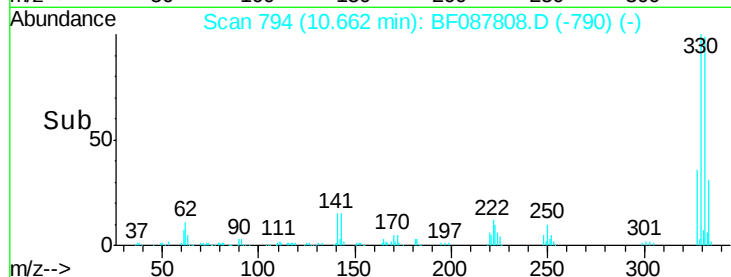
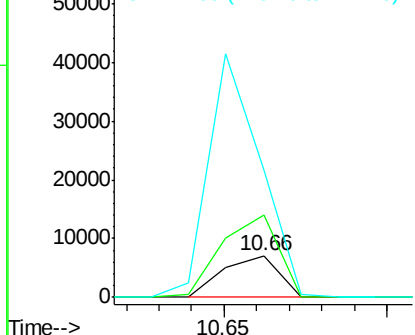
#66
4-Bromophenyl-phenylether
Concen: 2.17 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.25 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Instrument :
BNA_F
ClientSampled :
DFTPP

Tgt Ion:248 Resp: 8354
Ion Ratio Lower Upper
248 100
250 196.7 77.1 115.7#
141 303.1 50.6 76.0#

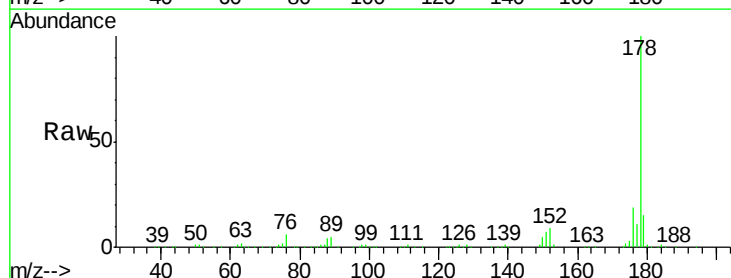


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

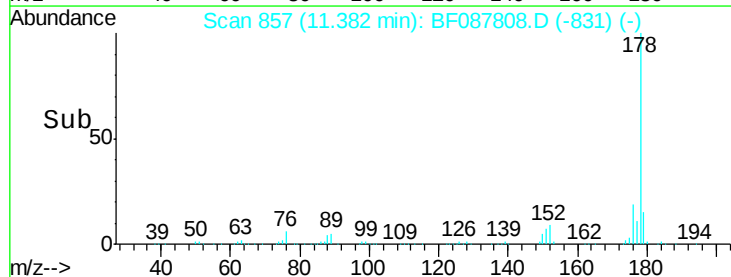
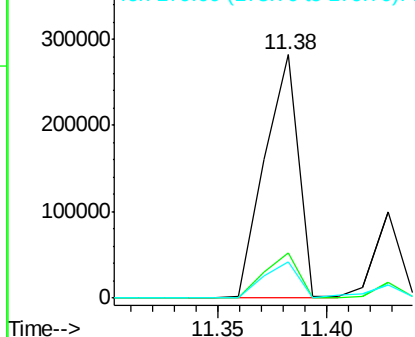


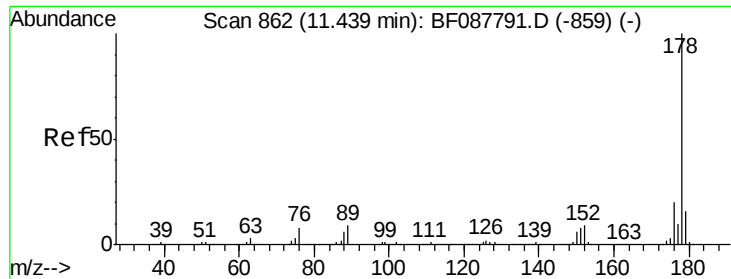
#70
Phenanthrene
Concen: 16.41 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion:178 Resp: 308470
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 14.8 13.0 19.4



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

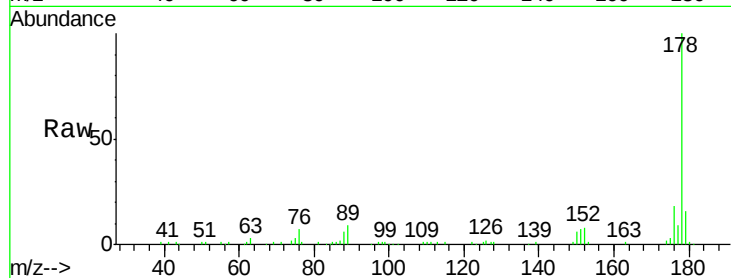




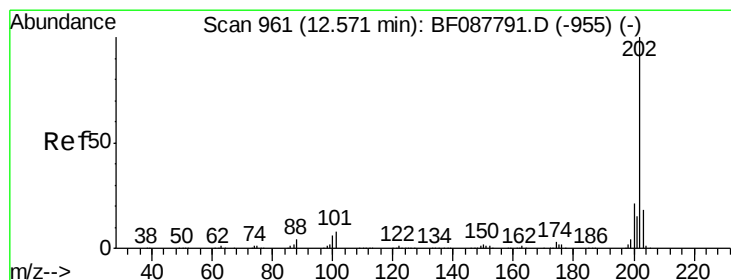
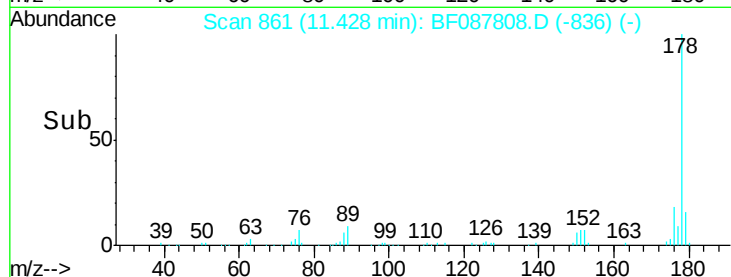
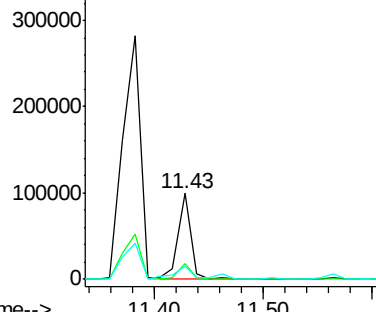
#71
 Anthracene
 Concen: 4.55 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion:178 Resp: 86354
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.6 23.4
 179 15.8 12.8 19.2

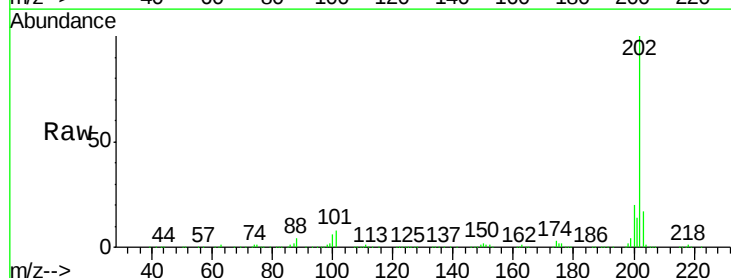


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

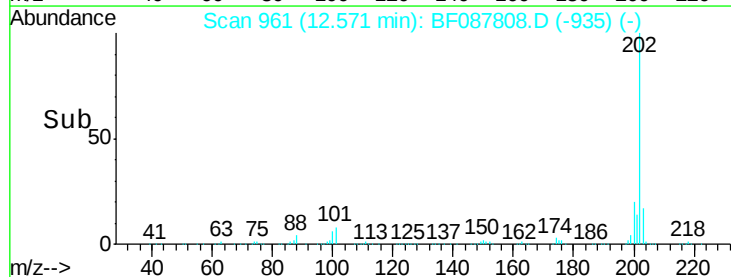
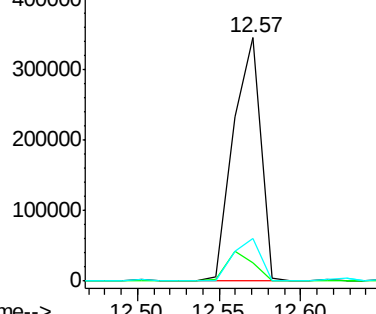


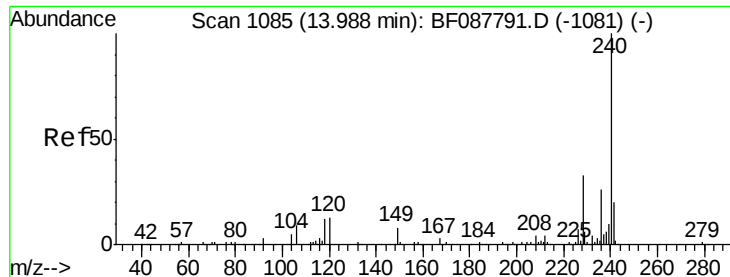
#74
 Fluoranthene
 Concen: 20.39 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion:202 Resp: 404549
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 33.1
 203 17.3 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: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

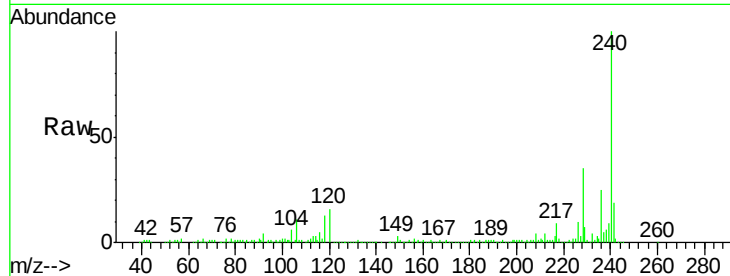
Tgt Ion:240 Resp: 236691

Ion Ratio Lower Upper

240 100

120 15.5 6.8 10.2#

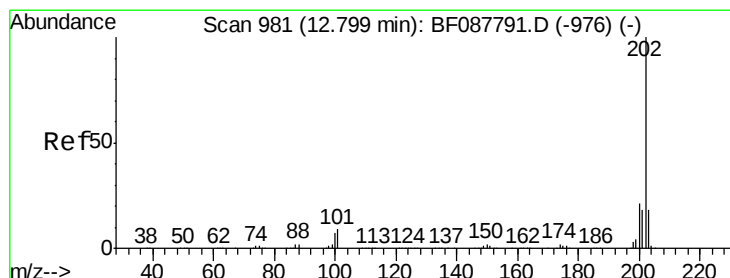
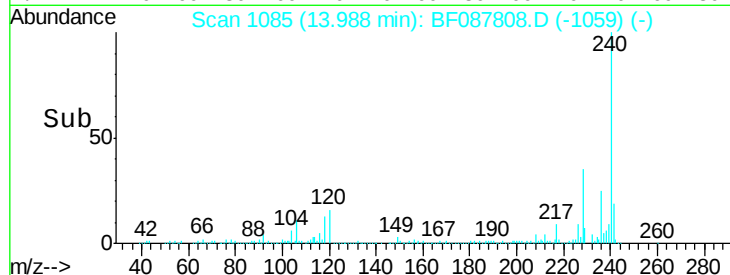
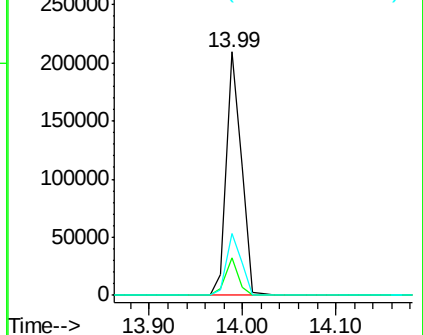
236 25.2 20.2 30.2



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: 20.11 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

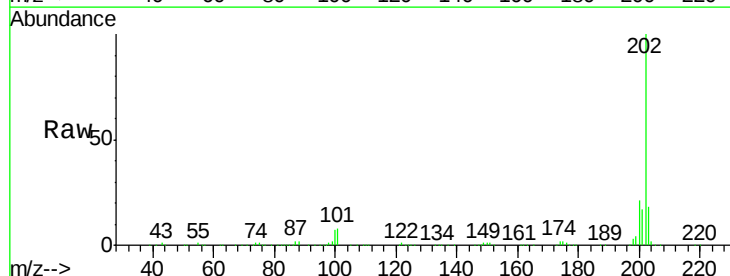
Tgt Ion:202 Resp: 353178

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

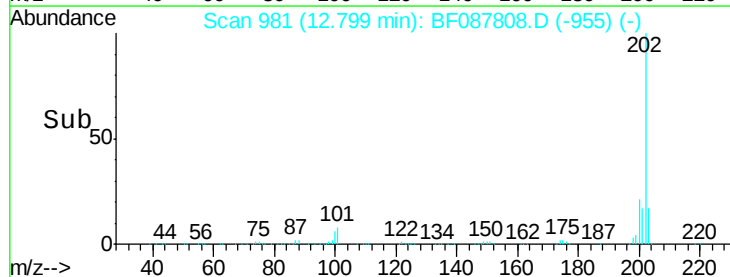
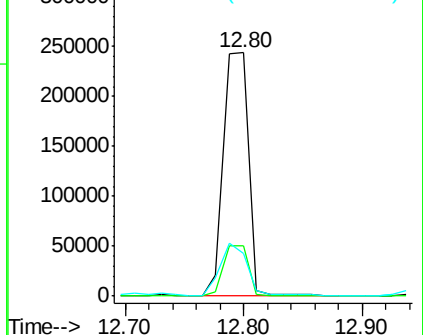
203 17.7 14.5 21.7

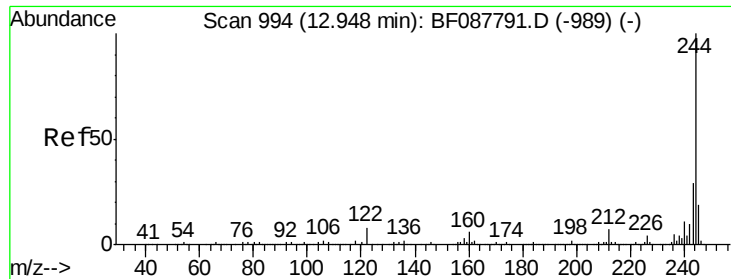


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

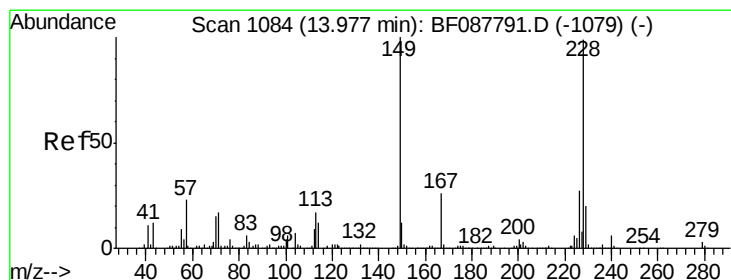
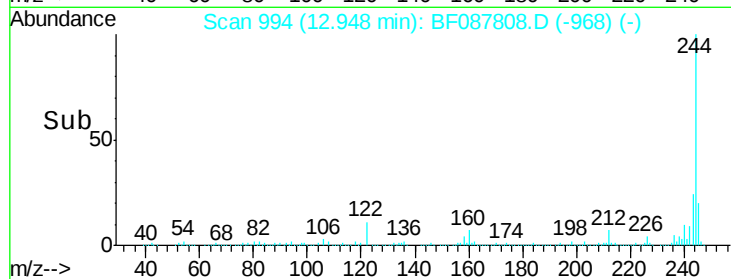
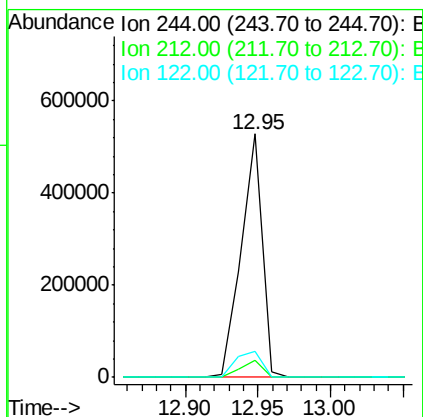
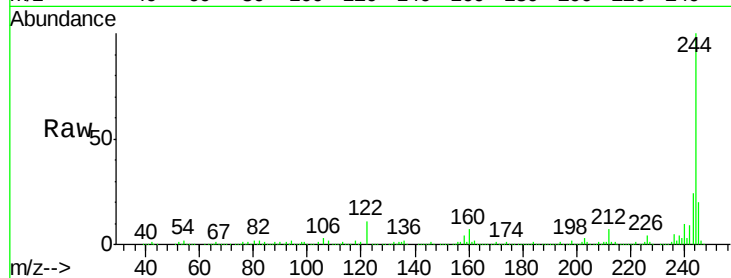




#78
 Terphenyl-d14
 Concen: 51.31 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

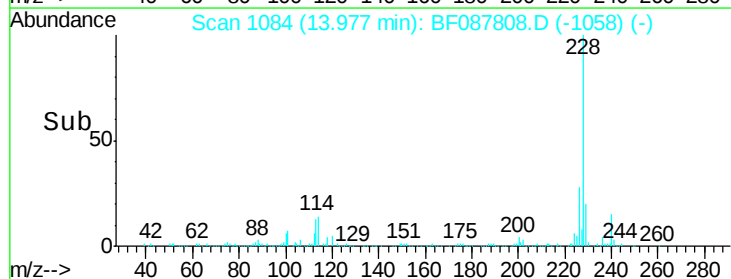
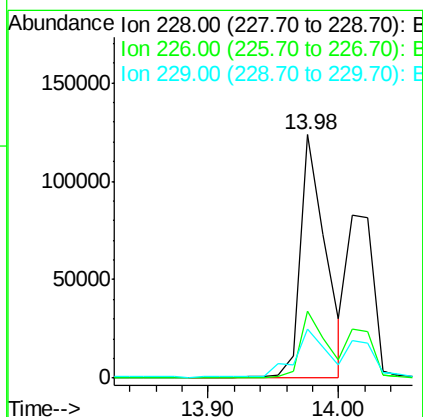
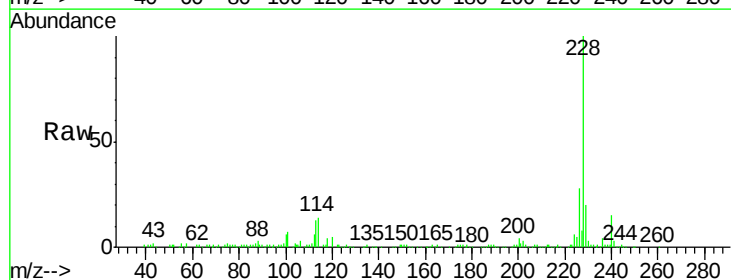
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

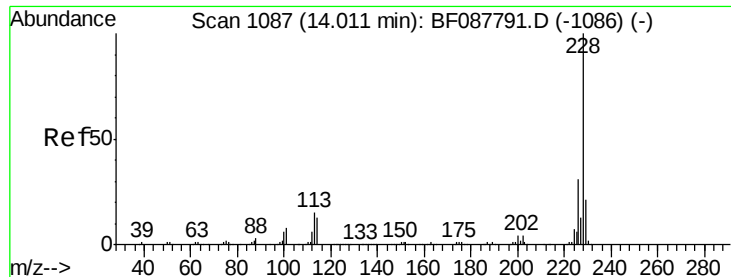
Tgt Ion:244 Resp: 533698
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.6 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 12.26 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion:228 Resp: 165389
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.3 33.5
 229 20.4 16.0 24.0





#82

Chrysene

Concen: 9.11 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

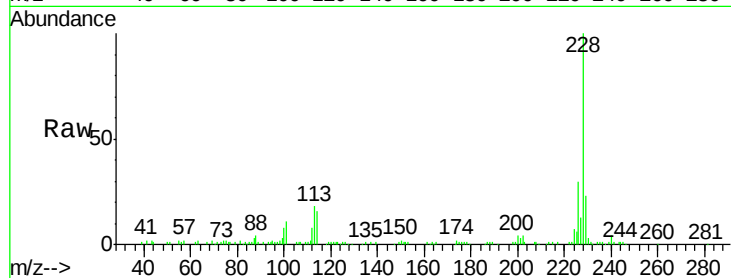
Tgt Ion:228 Resp: 115577

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

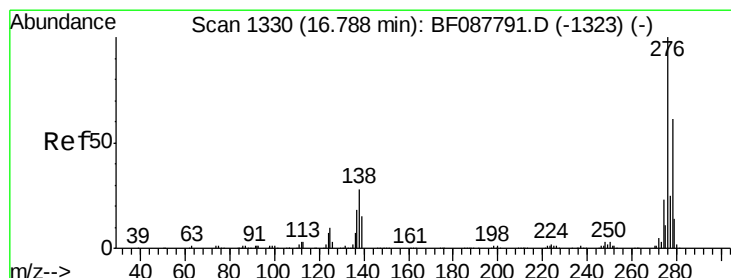
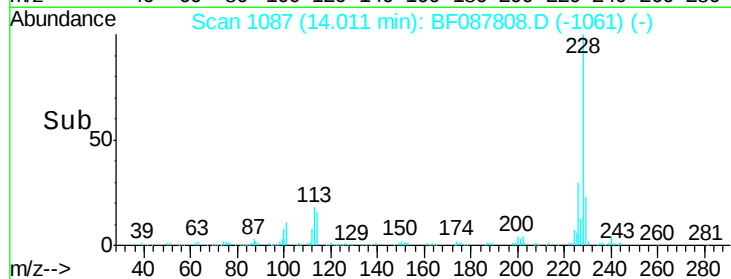
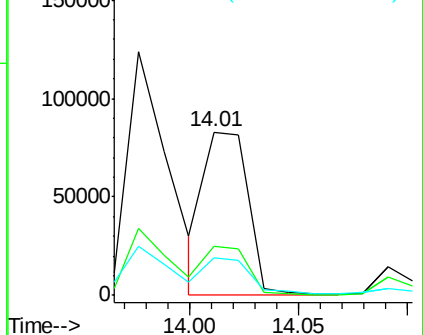
229 23.1 16.3 24.5



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: 6.64 ng

RT: 16.80 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

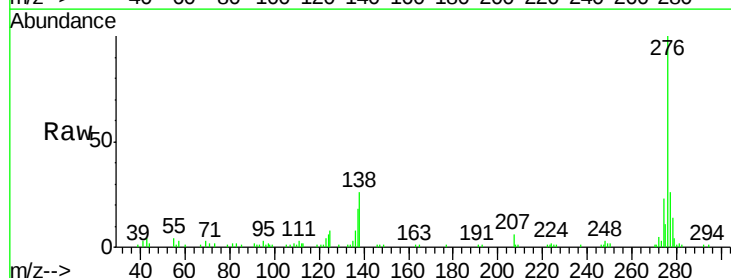
Tgt Ion:276 Resp: 78272

Ion Ratio Lower Upper

276 100

138 25.0 0.0 0.0#

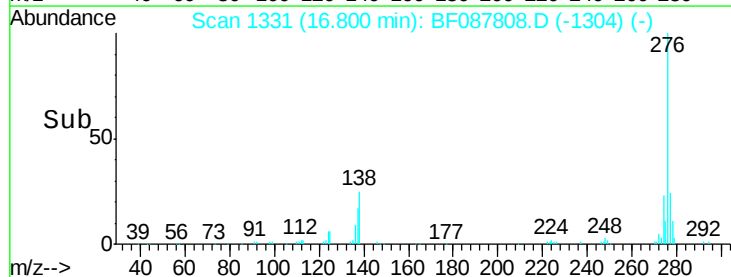
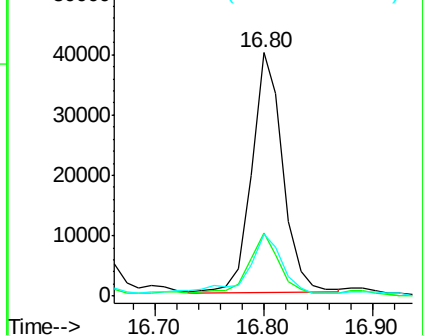
277 30.0 0.0 0.0#

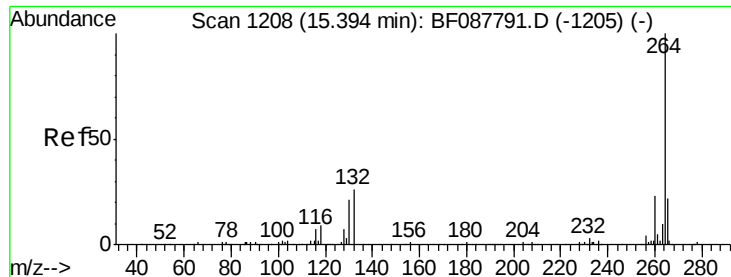


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

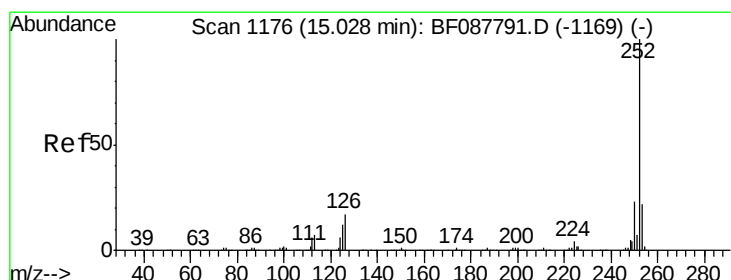
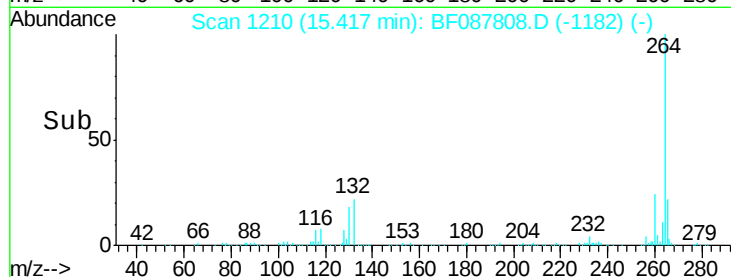
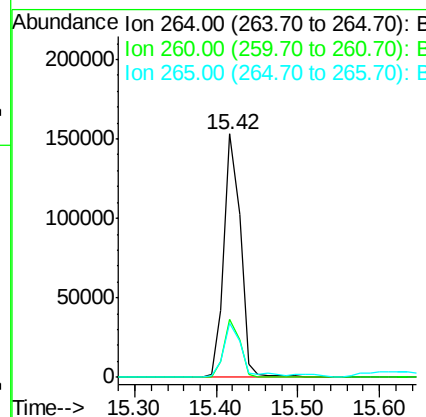
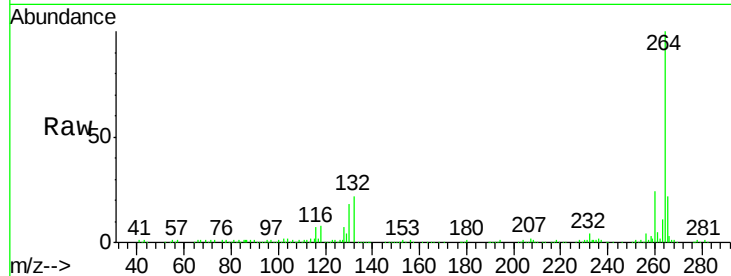




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

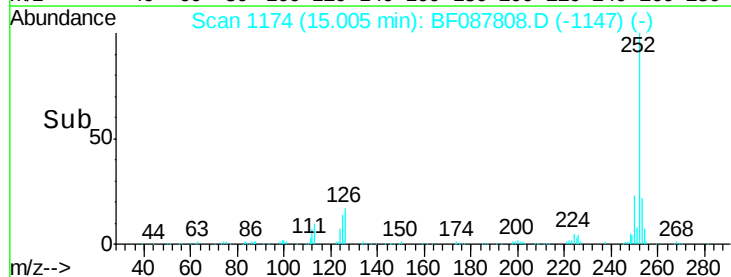
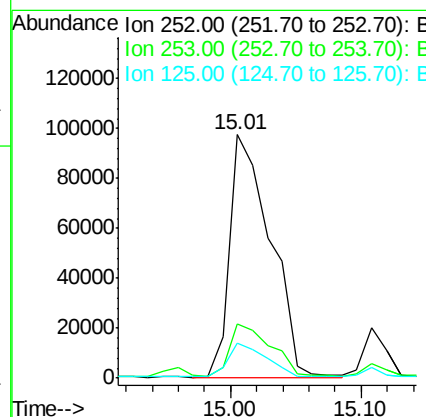
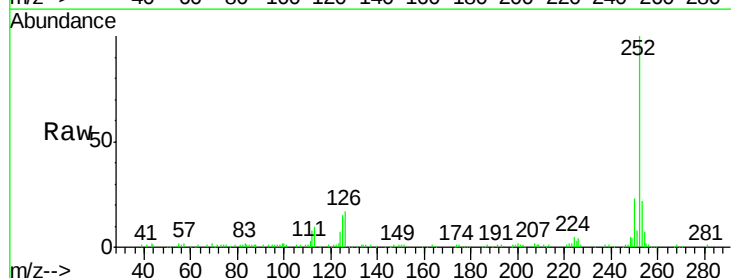
Instrument :
BNA_F
ClientSampleId :
DFTPP

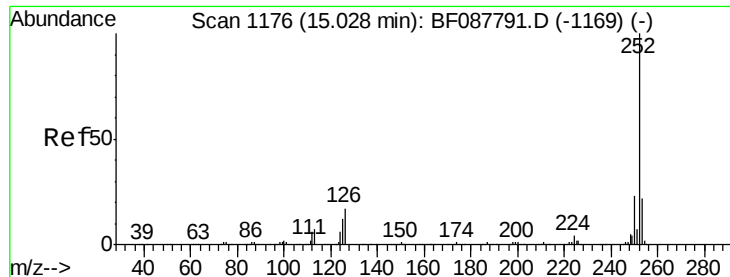
Tgt Ion:264 Resp: 216498
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 14.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion:252 Resp: 211226
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 14.6 7.1 10.7#

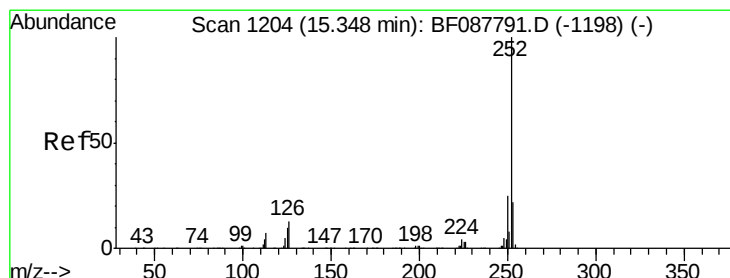
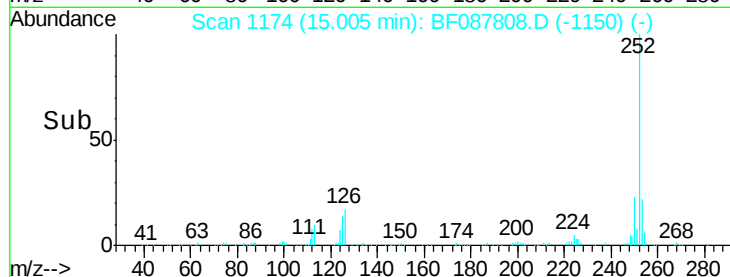
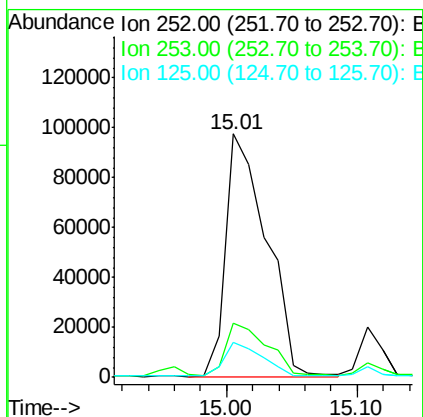
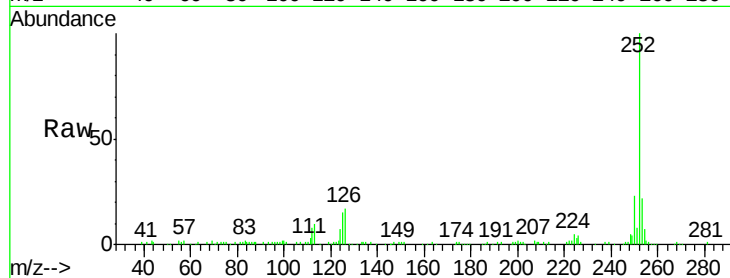




#88
Benzo(k)fluoranthene
Concen: 18.56 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

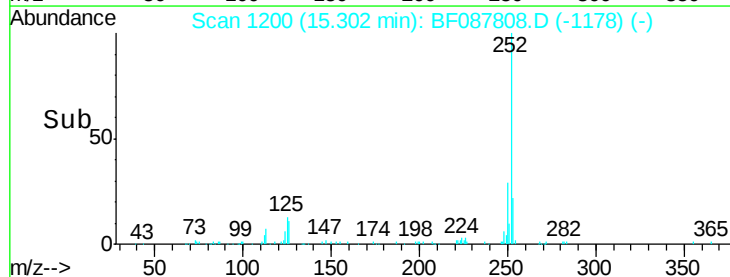
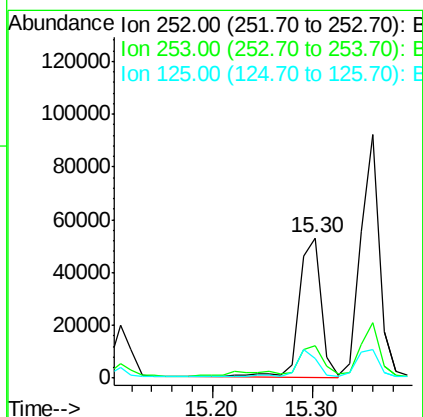
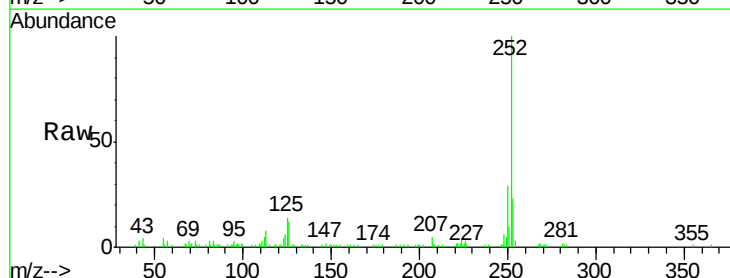
Instrument :
BNA_F
ClientSampleId :
DFTPP

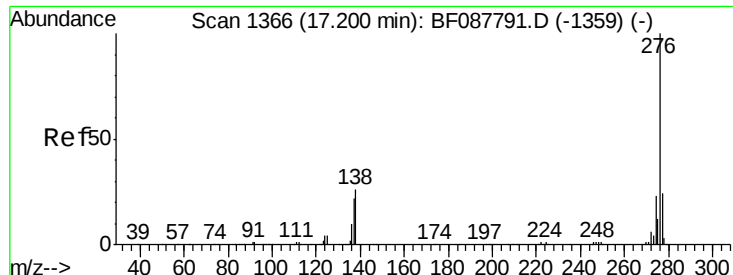
Tgt Ion:252 Resp: 211226
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 14.6 11.2 16.8



#89
Benzo(a)pyrene
Concen: 6.58 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion:252 Resp: 80350
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 13.9 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 6.84 ng

RT: 17.22 min Scan# 1368

Delta R.T. 0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

ClientSampleId :

DFTPP

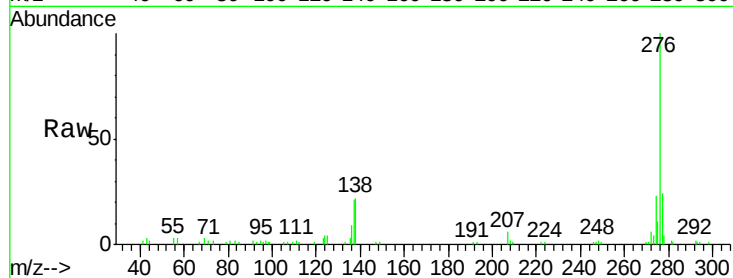
Tgt Ion: 276 Resp: 79805

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 22.5 21.4 32.2



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

