

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087809.D
 Acq On : 8 Jun 2016 14:52
 Operator : UM/SJ
 Sample : H3379-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Quant Time: Jun 09 07:04:53 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	92753	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	401191	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	190512	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	316070	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	206798	20.00	ng	0.00
86) Perylene-d12	15.42	264	205137	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	439387	80.98	ng	-0.01
7) Phenol-d6	6.46	99	573678	87.25	ng	-0.02
23) Nitrobenzene-d5	7.38	82	377284	54.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	167937	83.48	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	726511	58.16	ng	-0.01
78) Terphenyl-d14	12.95	244	568185	62.52	ng	0.00

Target Compounds

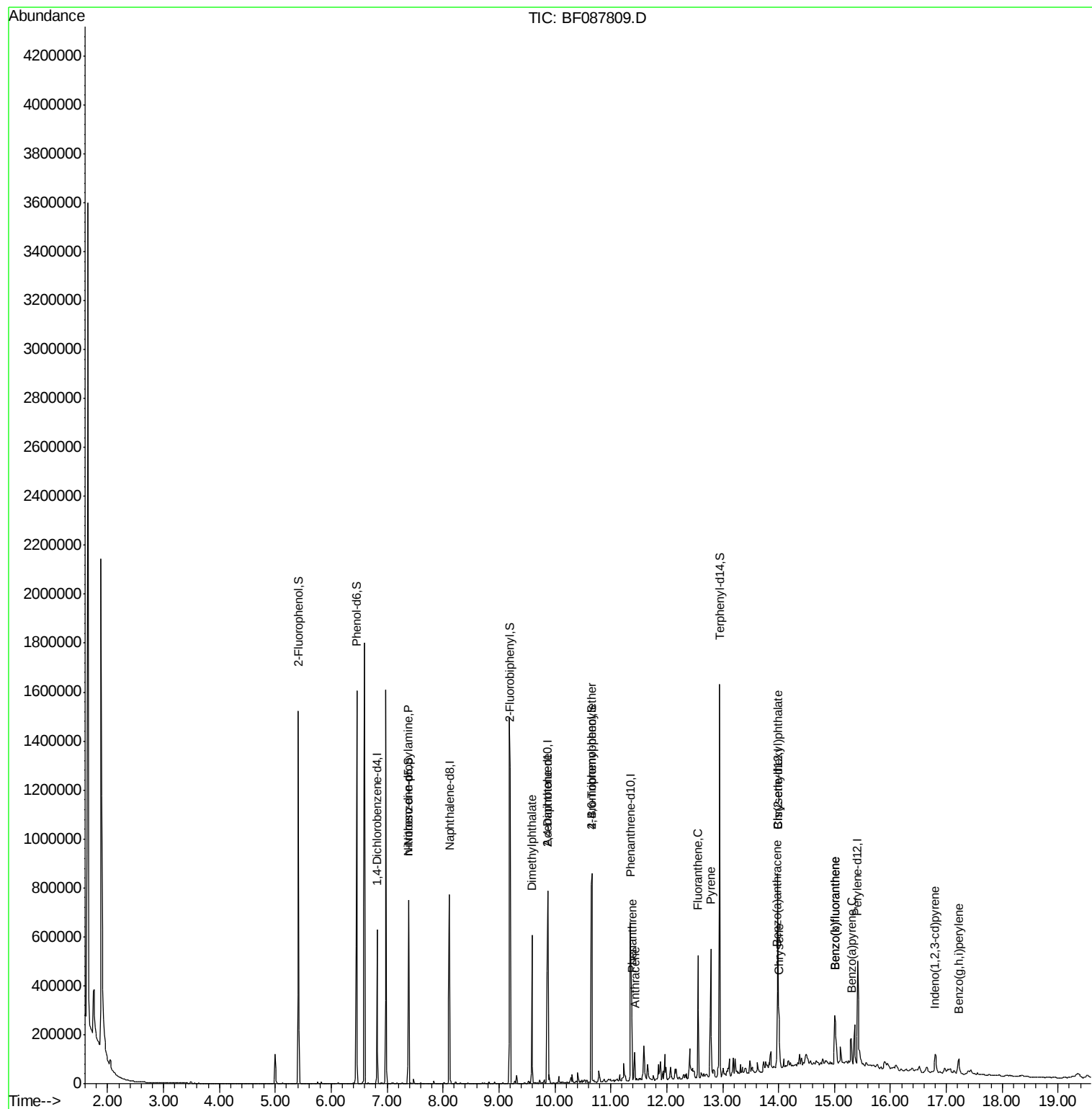
						Qvalue
10) Phenol	6.47	94	7355	Below Cal		92
19) n-Nitroso-di-n-propylamine	7.38	70	48079	11.43 ng	#	75
45) 1,1'-Biphenyl	9.29	154	1265	Below Cal		87
49) Dimethylphthalate	9.59	163	226562	16.42 ng		100
56) 2,4-Dinitrotoluene	9.87	165	24381	6.00 ng	#	37
57) Fluorene	10.41	166	10553	Below Cal		97
66) 4-Bromophenyl-phenylether	10.66	248	9515	2.81 ng	#	1
70) Phenanthrene	11.38	178	162742	9.81 ng		97
71) Anthracene	11.43	178	41410	2.48 ng		98
74) Fluoranthene	12.56	202	232755	13.30 ng		96
77) Pyrene	12.79	202	212470	13.85 ng		98
80) Benzo(a)anthracene	13.98	228	109489	9.29 ng		100
82) Chrysene	14.01	228	78690	7.10 ng		95
83) Bis(2-ethylhexyl)phthalate	13.99	149	23854	2.89 ng	#	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	56234	5.46 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	156150	10.92 ng	#	93
88) Benzo(k)fluoranthene	15.01	252	156150	14.48 ng		99
89) Benzo(a)pyrene	15.30	252	59721	5.16 ng		100
91) Benzo(g,h,i)perylene	17.22	276	56363	5.10 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: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampled :

SS-13

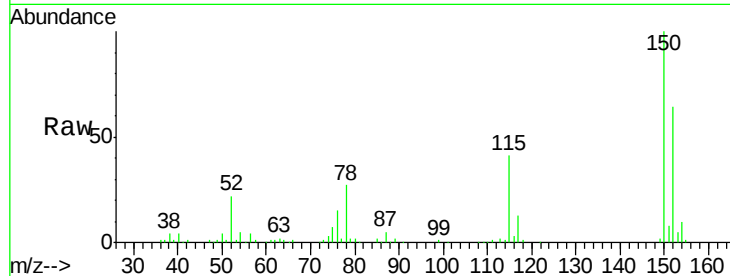
Tgt Ion:152 Resp: 92753

Ion Ratio Lower Upper

152 100

150 156.4 123.8 185.6

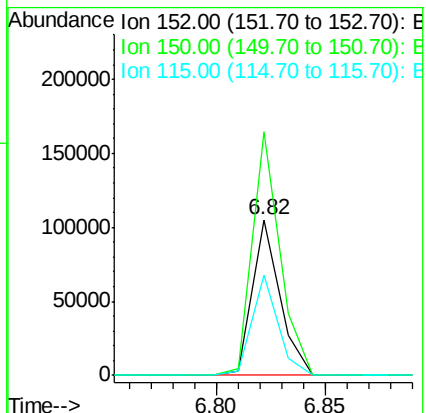
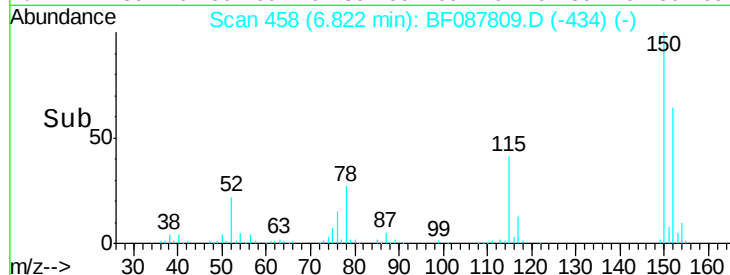
115 64.6 39.6 59.4#



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: 80.98 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

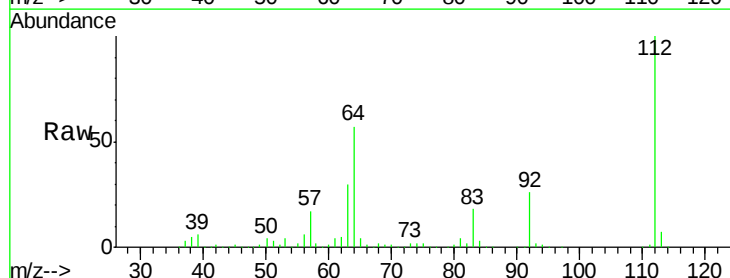
Tgt Ion:112 Resp: 439387

Ion Ratio Lower Upper

112 100

64 57.1 42.2 63.2

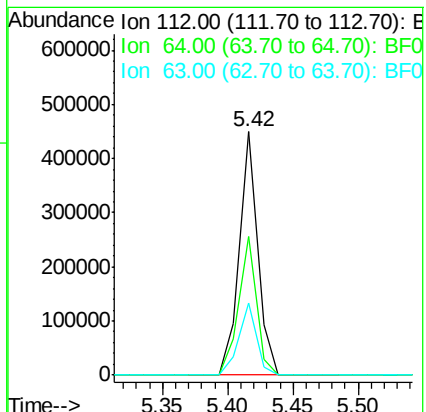
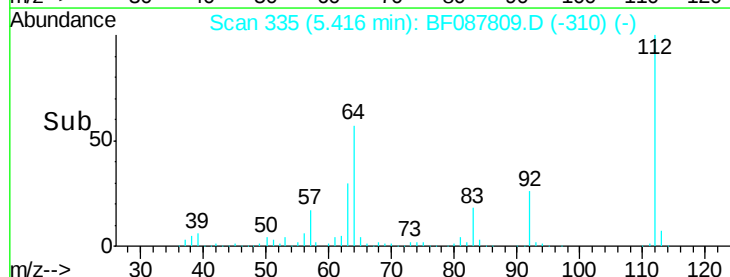
63 29.8 21.8 32.8



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: 87.25 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampleId :

SS-13

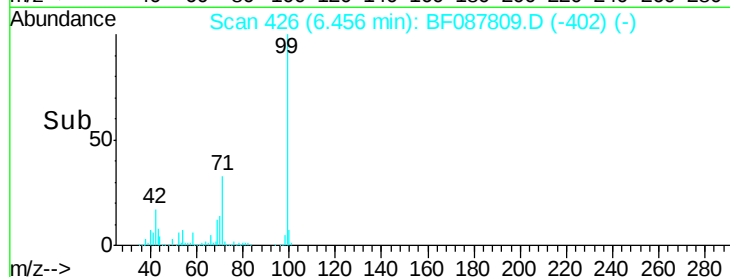
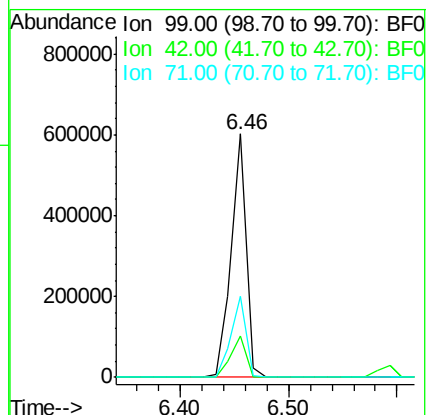
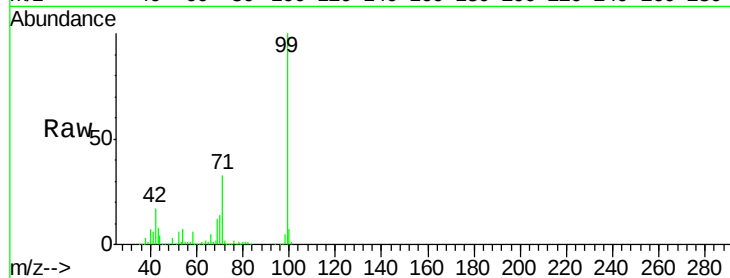
Tgt Ion: 99 Resp: 573678

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

71 33.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.43 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Tgt Ion: 70 Resp: 48079

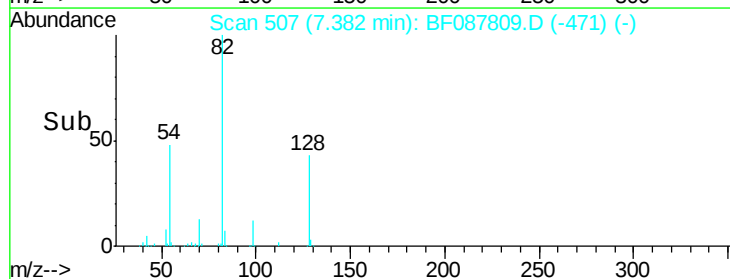
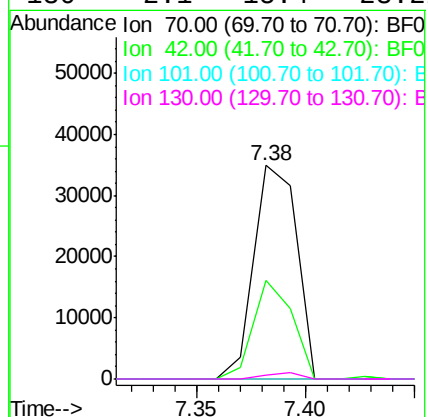
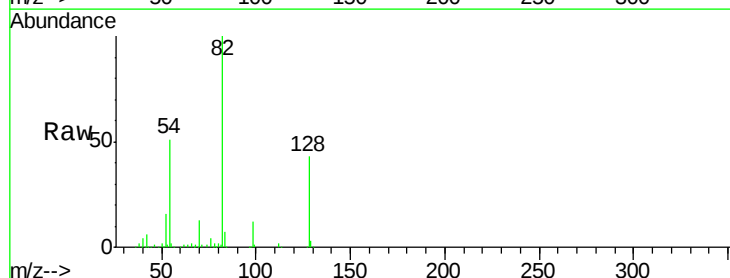
Ion Ratio Lower Upper

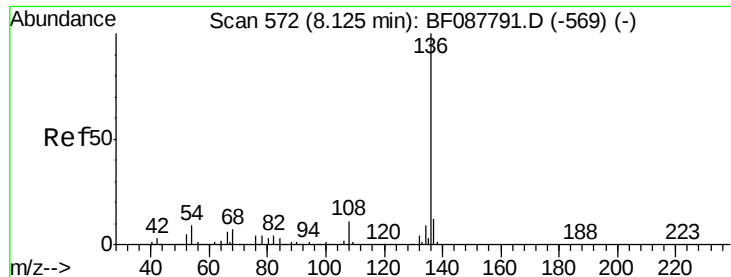
70 100

42 46.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 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: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampleId :

SS-13

Tgt Ion:136 Resp: 401191

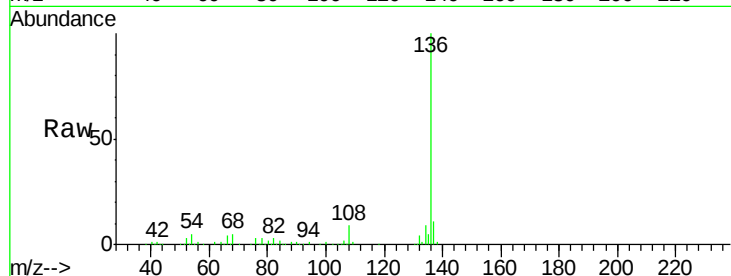
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.4 6.6 10.0#

68 4.6 5.1 7.7#

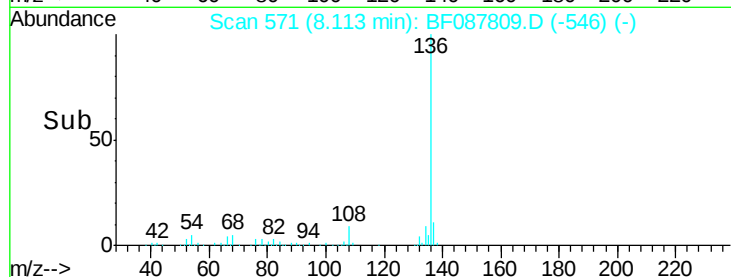


Abundance Ion 136.00 (135.70 to 136.70): E

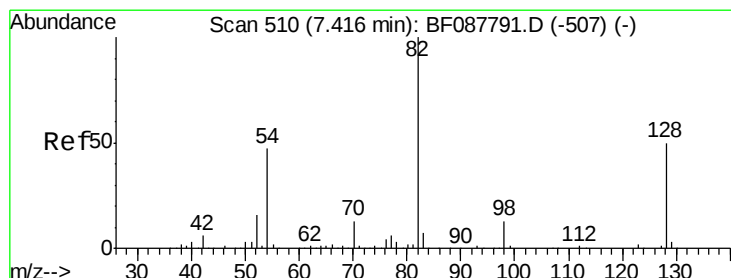
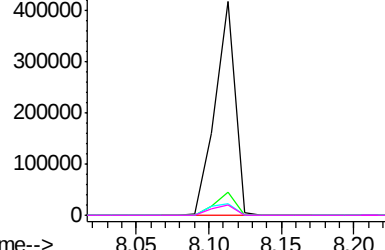
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 54.91 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

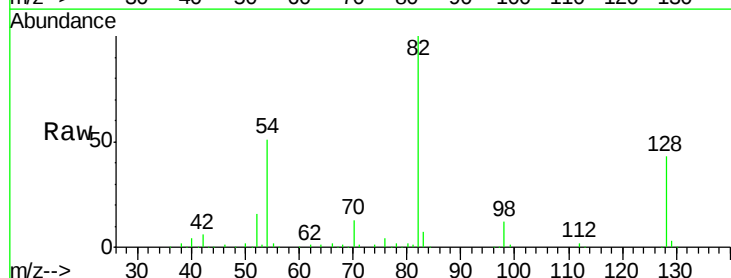
Tgt Ion: 82 Resp: 377284

Ion Ratio Lower Upper

82 100

128 42.8 35.9 53.9

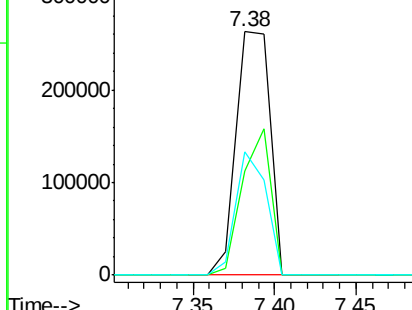
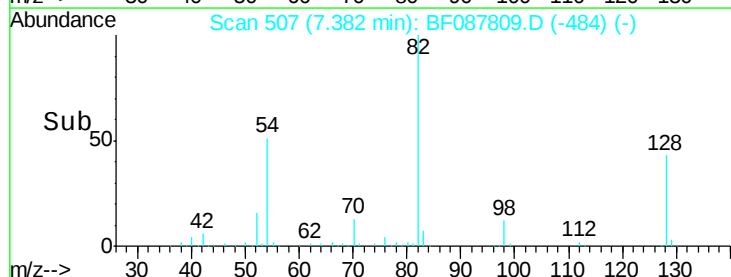
54 50.7 40.9 61.3

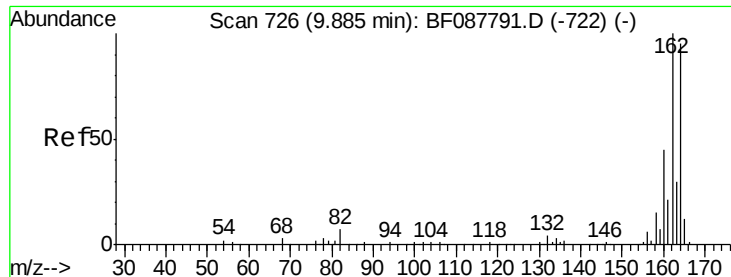


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

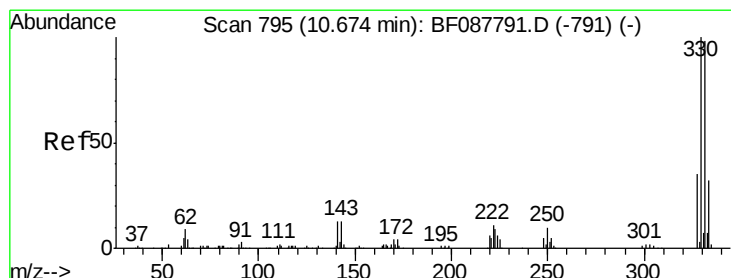
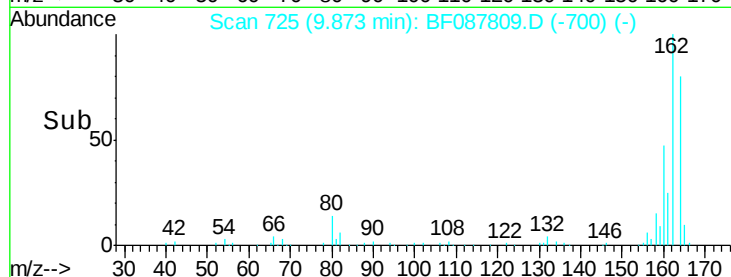
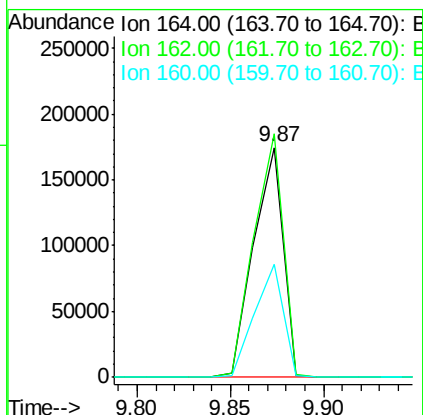
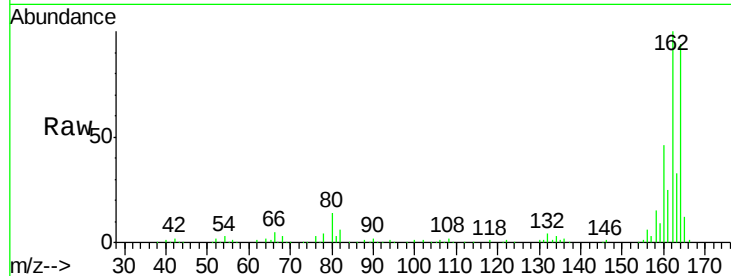




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

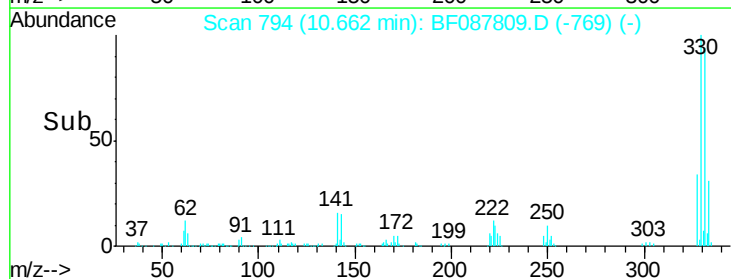
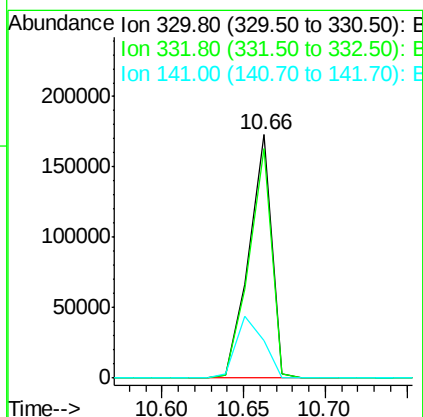
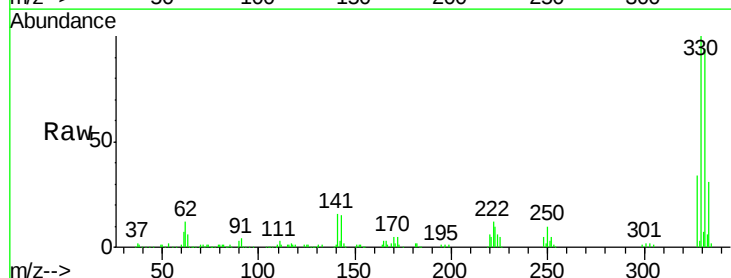
Instrument :
BNA_F
ClientSampleId :
SS-13

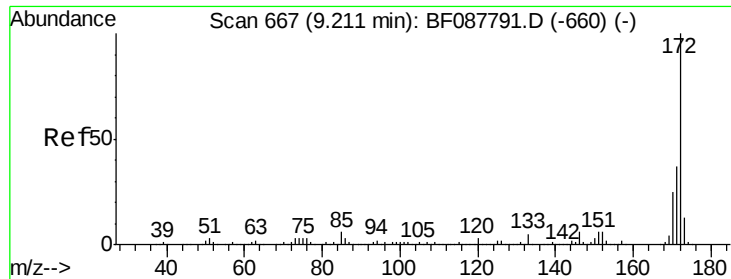
Tgt Ion:164 Resp: 190512
Ion Ratio Lower Upper
164 100
162 106.1 85.4 128.2
160 49.0 39.5 59.3



#41
2,4,6-Tribromophenol
Concen: 83.48 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion:330 Resp: 167937
Ion Ratio Lower Upper
330 100
332 94.6 0.0 0.0#
141 30.4 0.0 0.0#

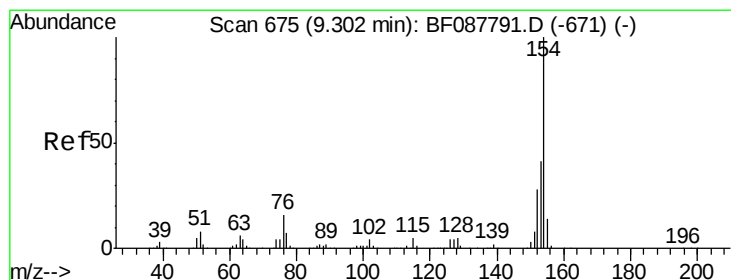
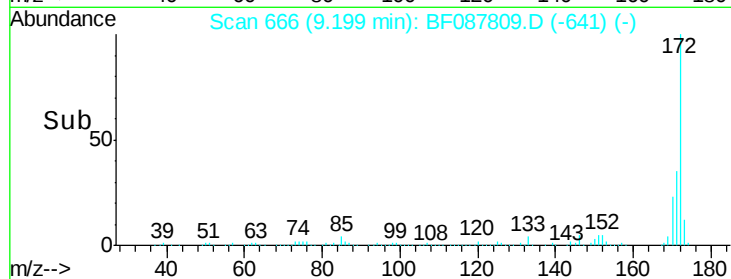
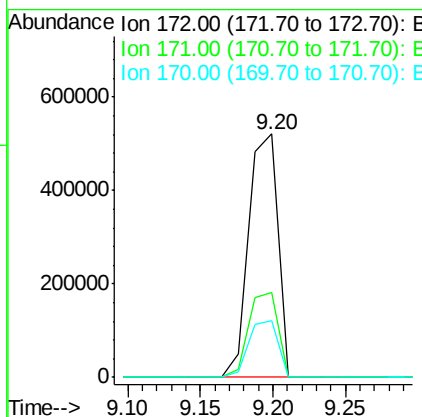
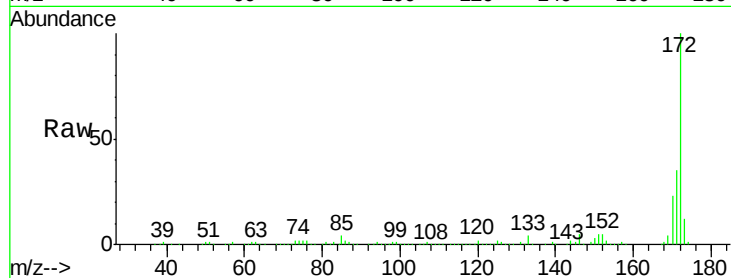




#44
 2-Fluorobiphenyl
 Concen: 58.16 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

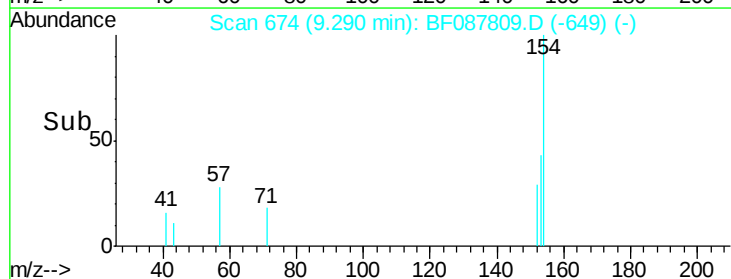
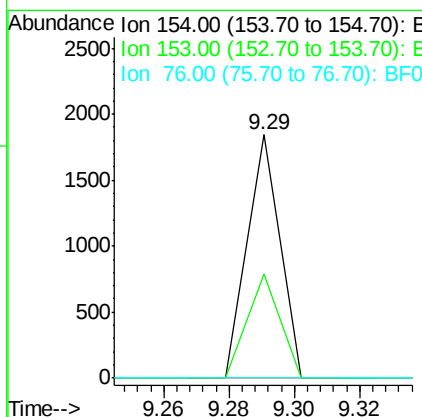
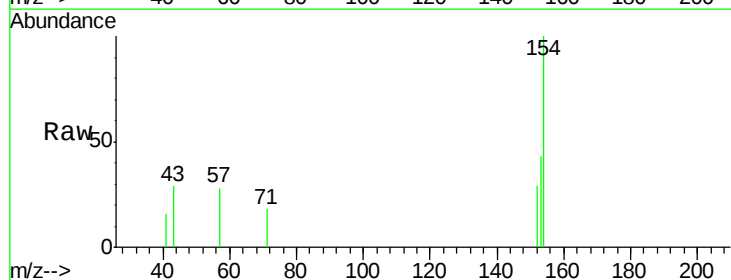
Instrument :
 BNA_F
 ClientSampleId :
 SS-13

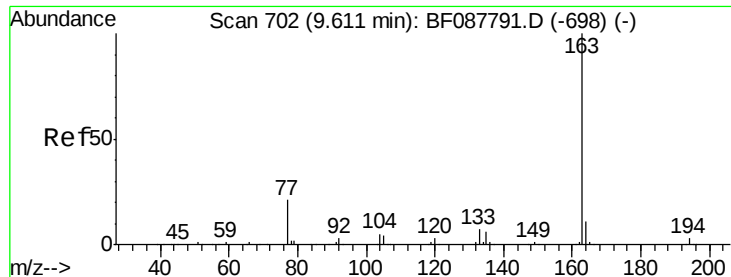
Tgt Ion:172 Resp: 726511
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion:154 Resp: 1265
 Ion Ratio Lower Upper
 154 100
 153 43.0 20.6 60.6
 76 0.0 0.0 35.1

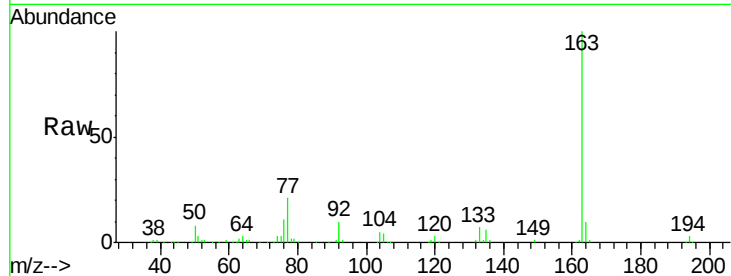




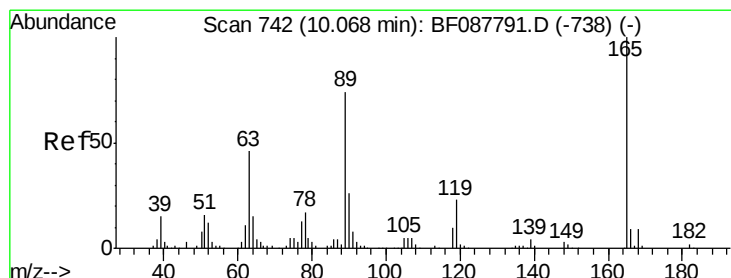
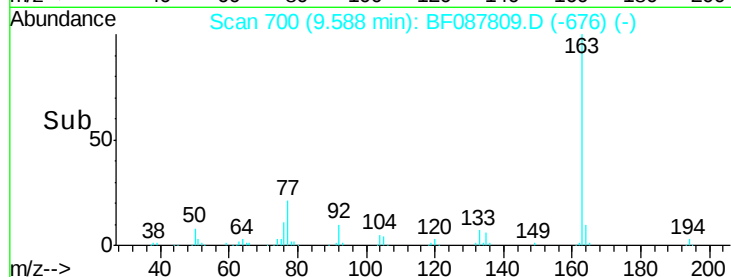
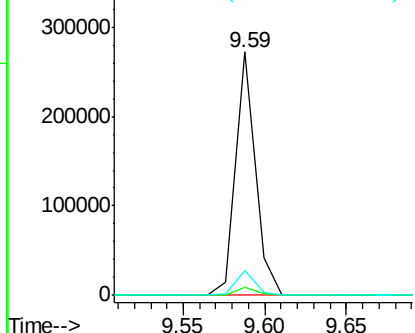
#49
Dimethylphthalate
Concen: 16.42 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

Tgt Ion:163 Resp: 226562
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.3 8.3 12.5

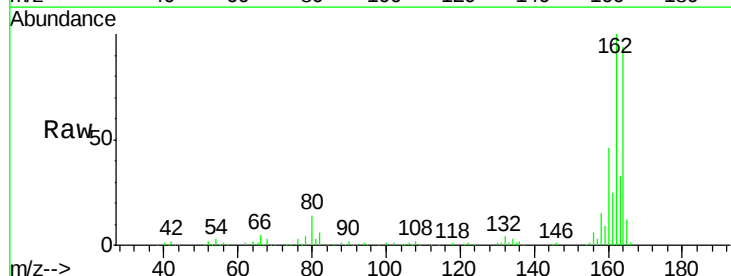


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

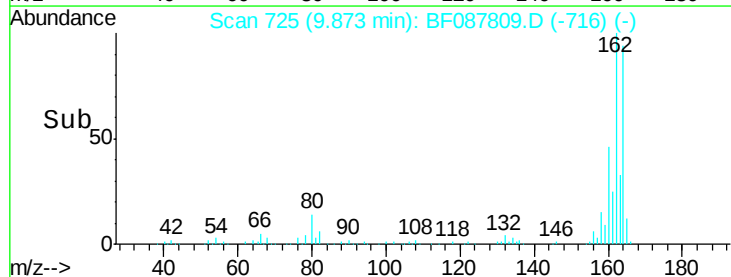
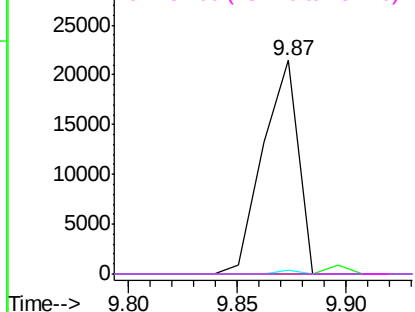


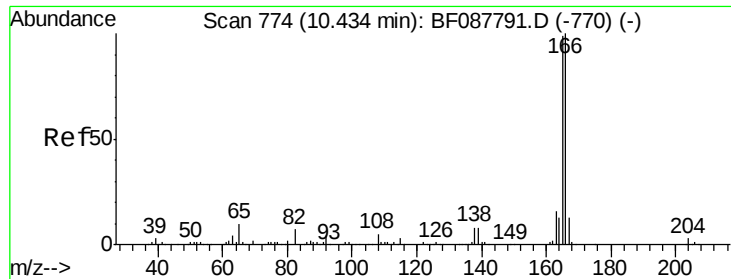
#56
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.19 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion:165 Resp: 24381
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 1.6 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

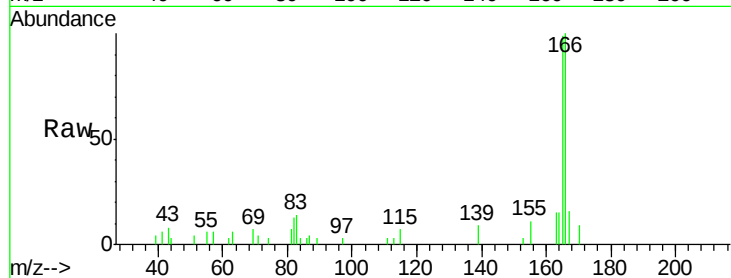




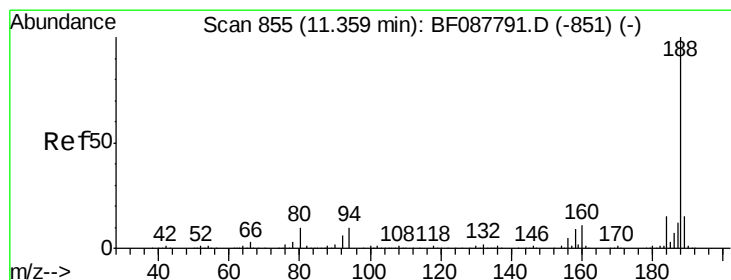
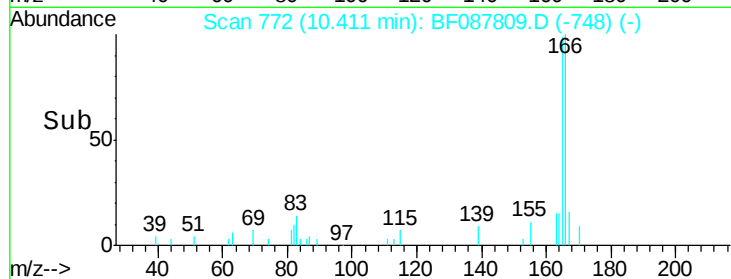
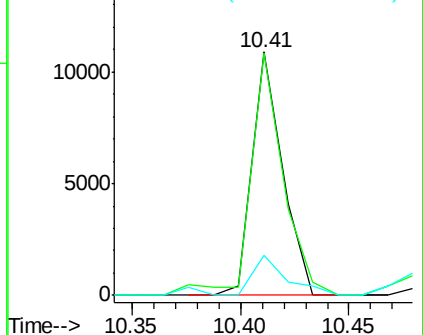
#57
Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Tgt Ion:166 Resp: 10553
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.8 116.8
 167 16.4 11.2 16.8

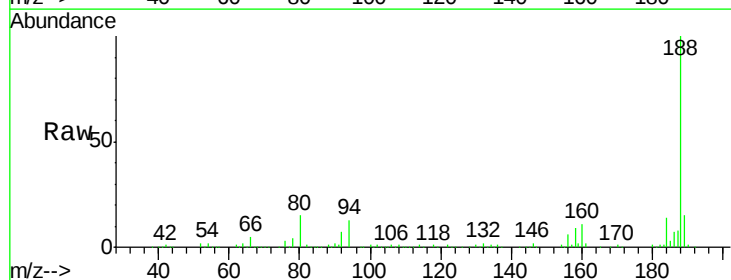


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

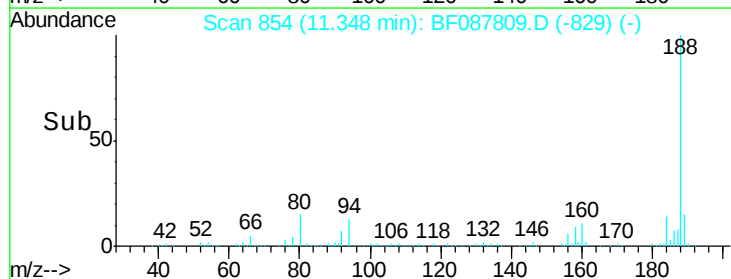
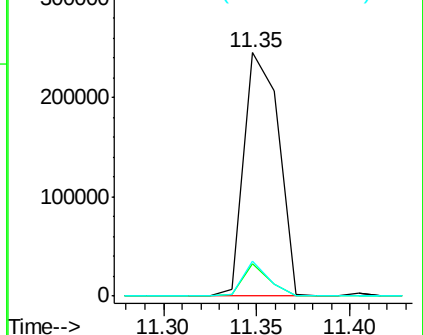


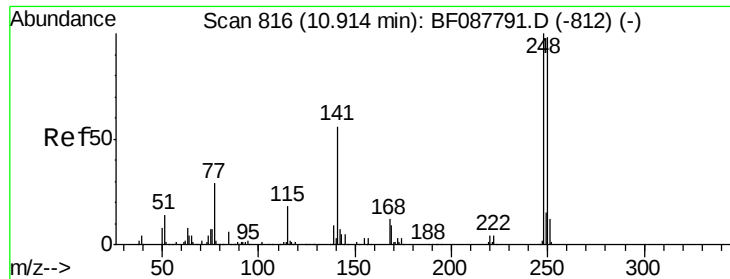
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion:188 Resp: 316070
 Ion Ratio Lower Upper
 188 100
 94 13.4 9.0 13.6
 80 14.6 10.0 15.0



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

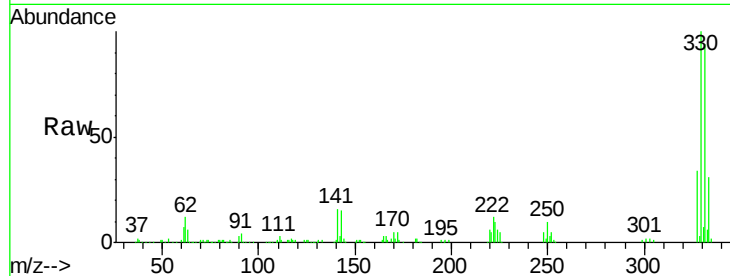




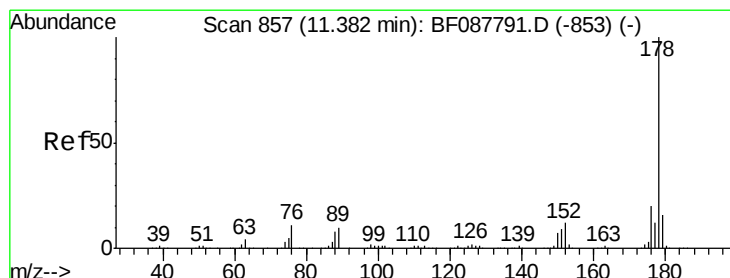
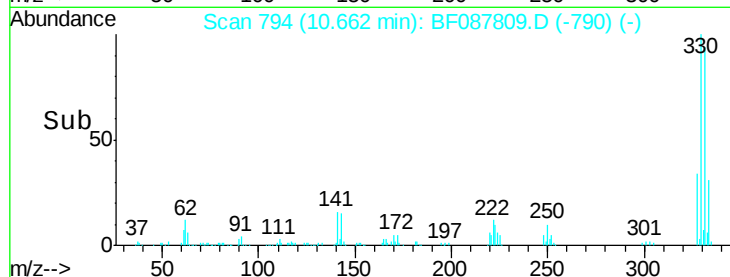
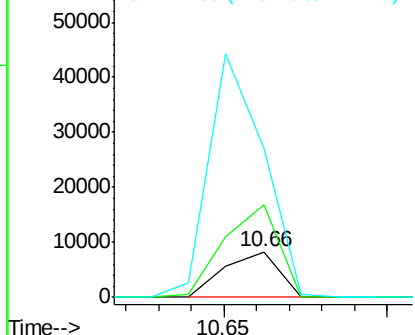
#66
 4-Bromophenyl-phenylether
 Concen: 2.81 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.25 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampled :
 SS-13

Tgt Ion: 248 Resp: 9515
 Ion Ratio Lower Upper
 248 100
 250 202.6 77.1 115.7#
 141 328.6 50.6 76.0#

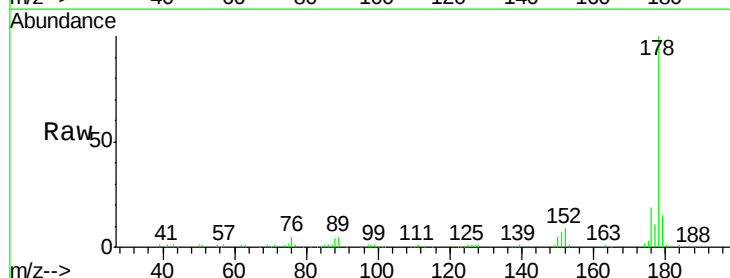


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

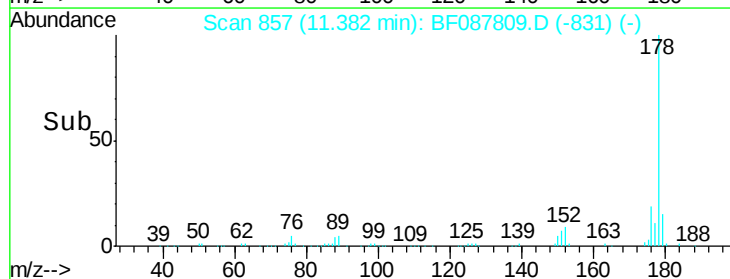
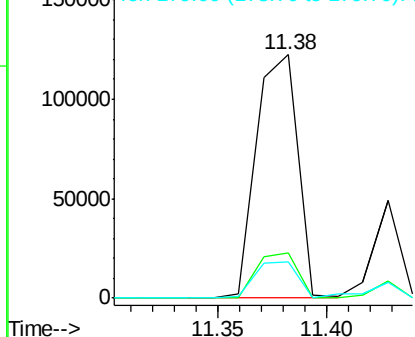


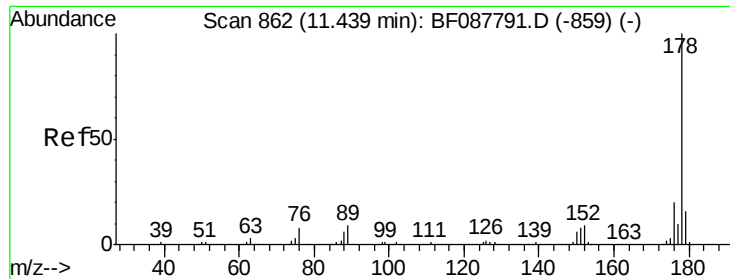
#70
 Phenanthrene
 Concen: 9.81 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion: 178 Resp: 162742
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 14.9 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

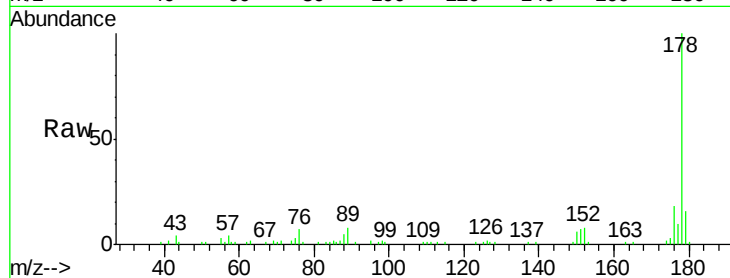




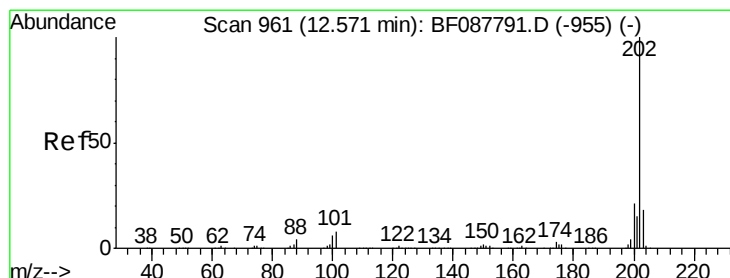
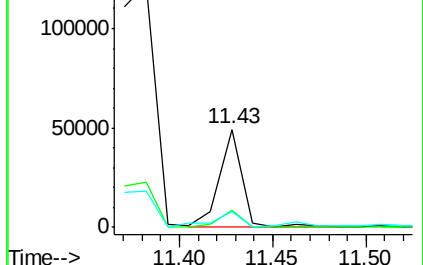
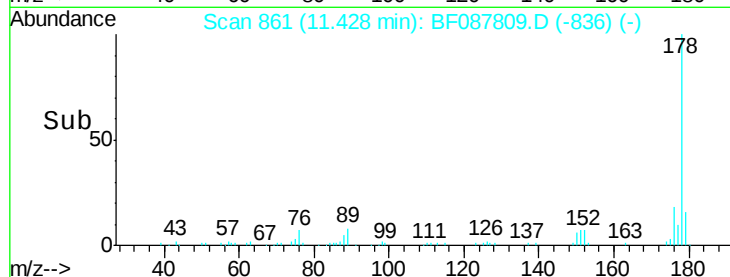
#71
 Anthracene
 Concen: 2.48 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Tgt Ion:178 Resp: 41410
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.6 23.4
 179 16.1 12.8 19.2

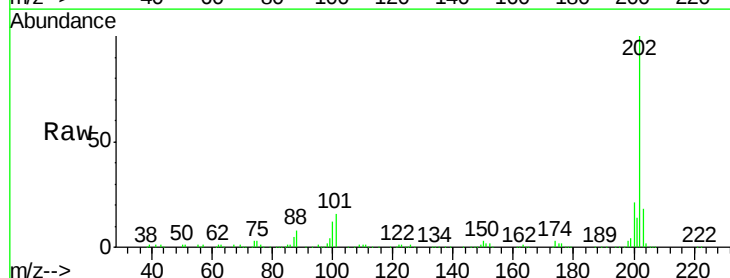


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

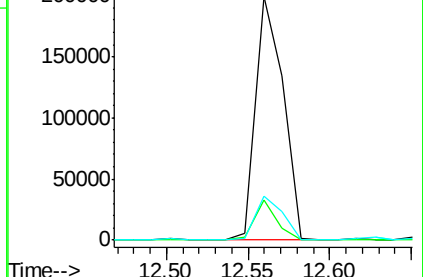
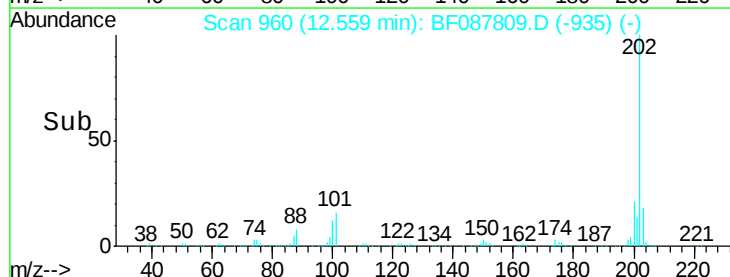


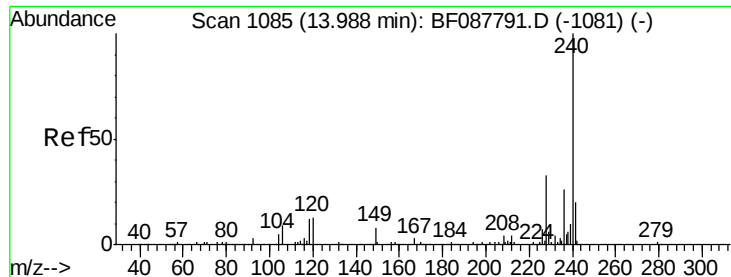
#74
 Fluoranthene
 Concen: 13.30 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion:202 Resp: 232755
 Ion Ratio Lower Upper
 202 100
 101 16.5 0.0 33.1
 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: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampled :

SS-13

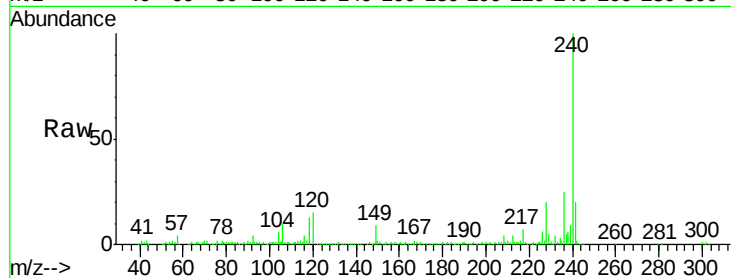
Tgt Ion:240 Resp: 206798

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

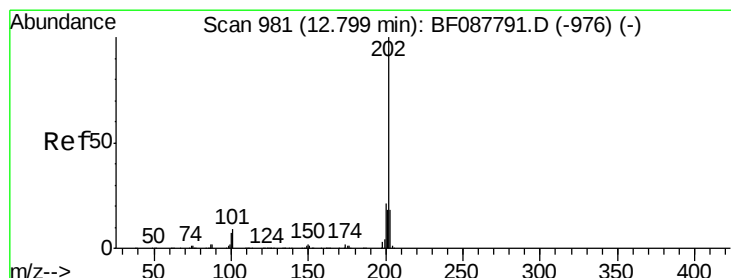
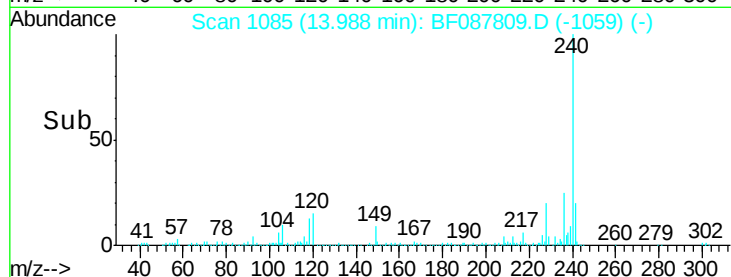
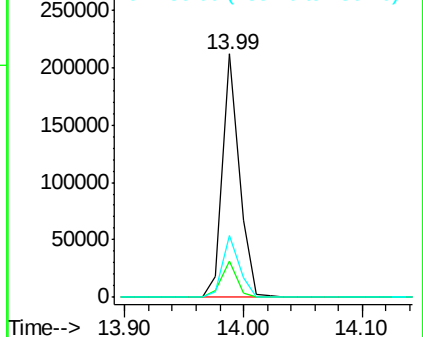
236 25.5 20.2 30.2



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: 13.85 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

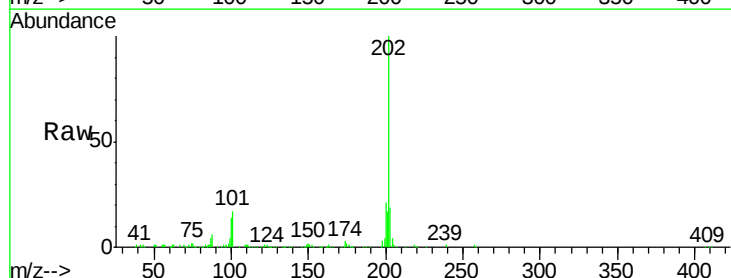
Tgt Ion:202 Resp: 212470

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

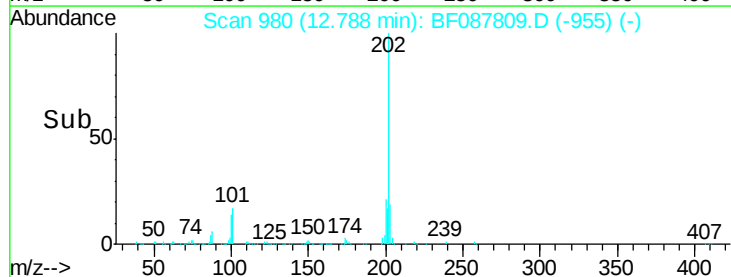
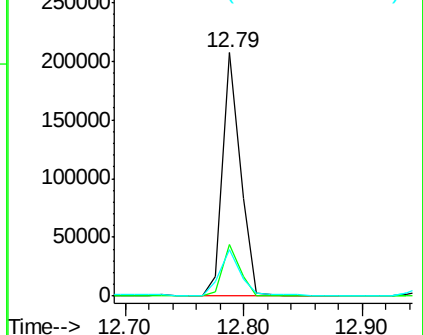
203 19.1 14.5 21.7

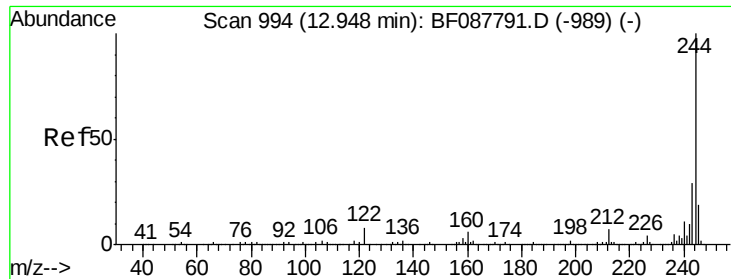


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

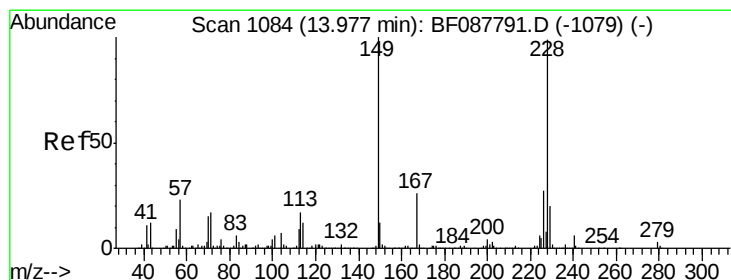
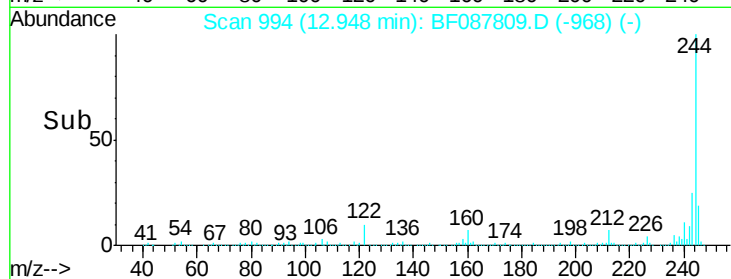
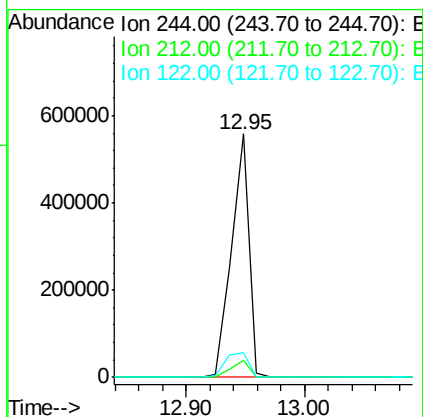
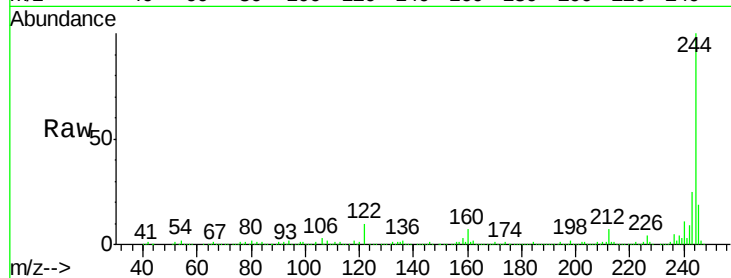




#78
 Terphenyl-d14
 Concen: 62.52 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

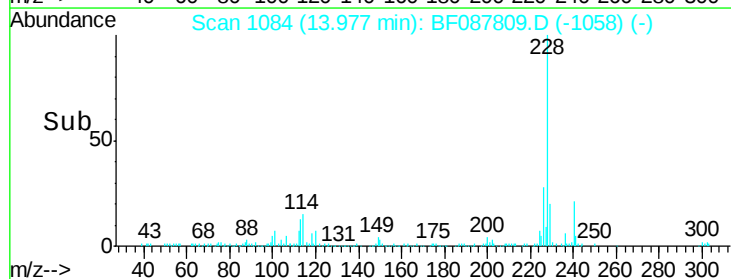
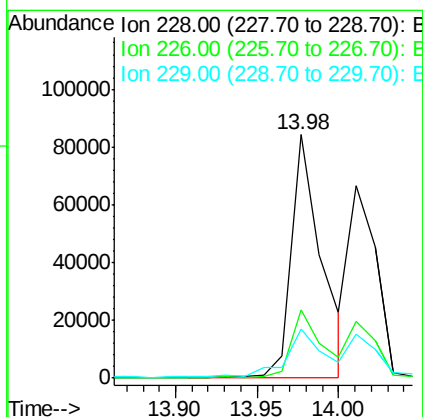
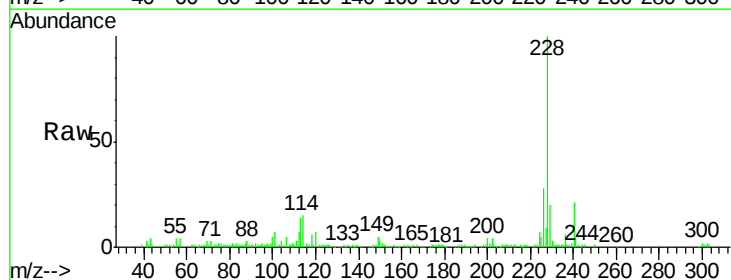
Instrument :
 BNA_F
 ClientSampleId :
 SS-13

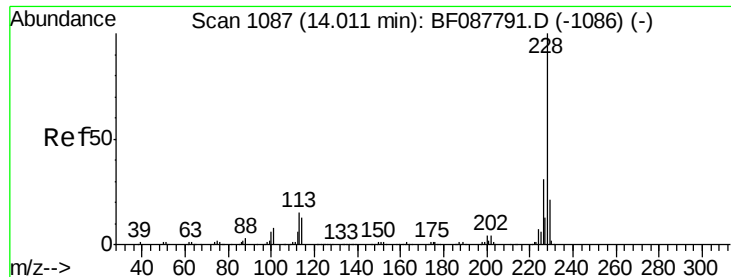
Tgt Ion:244 Resp: 568185
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 10.1 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 9.29 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion:228 Resp: 109489
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 20.2 16.0 24.0





#82

Chrysene

Concen: 7.10 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampleId :

SS-13

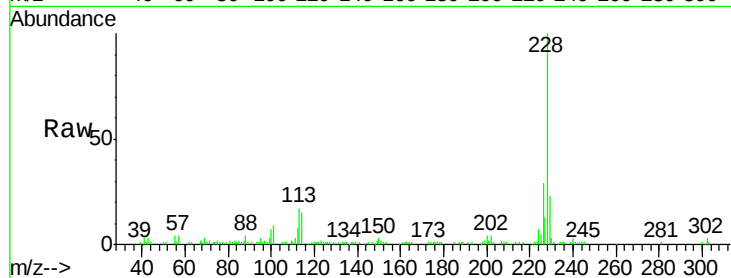
Tgt Ion:228 Resp: 78690

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.2

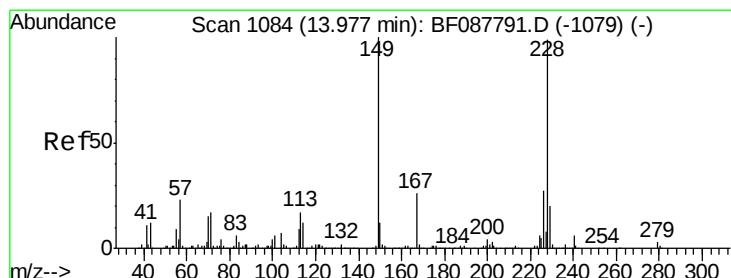
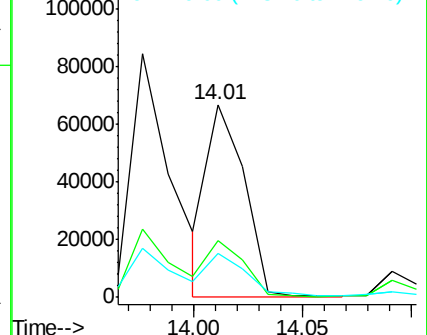
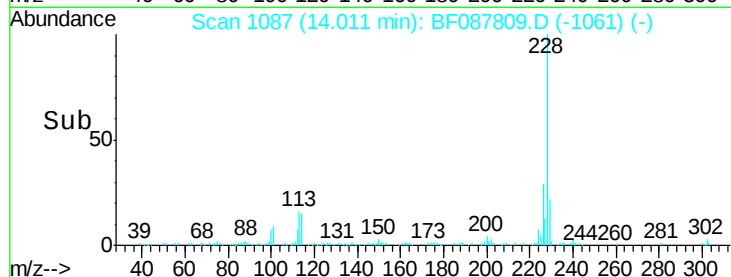
229 22.8 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.89 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

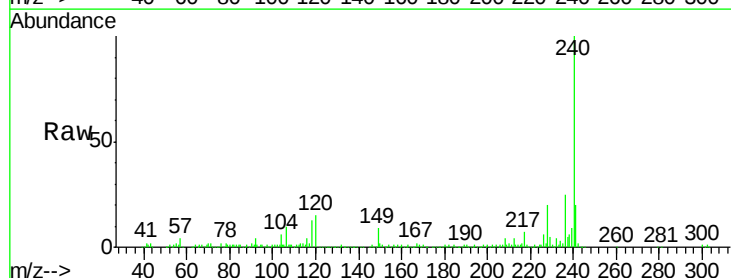
Tgt Ion:149 Resp: 23854

Ion Ratio Lower Upper

149 100

167 27.0 20.5 30.7

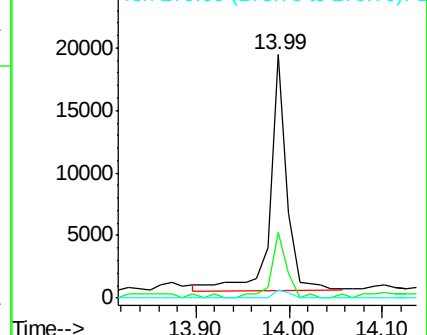
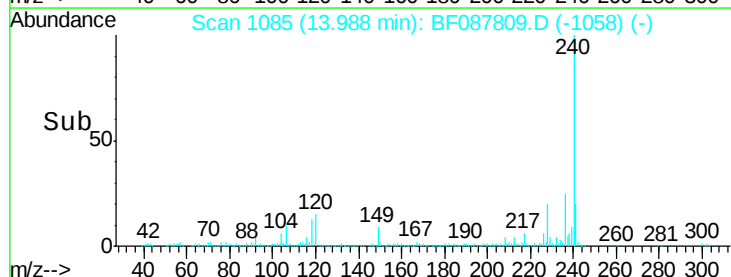
279 3.1 2.0 3.0#

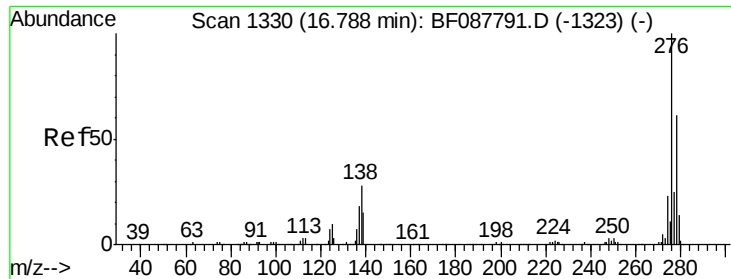


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

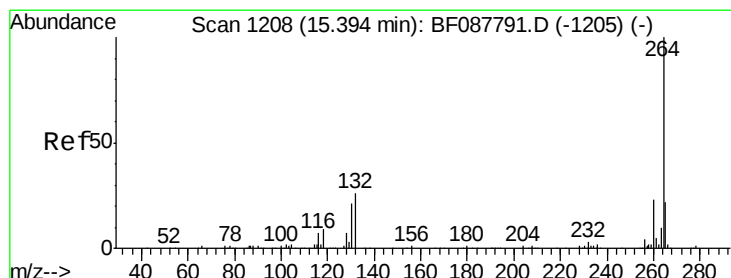
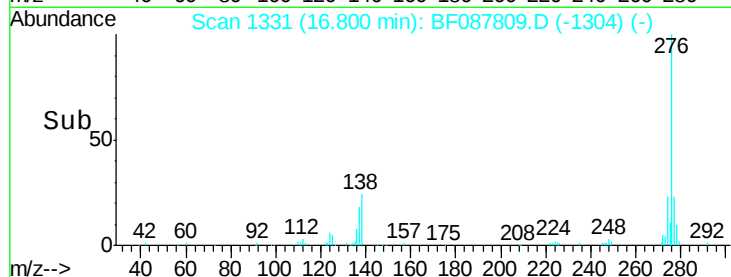
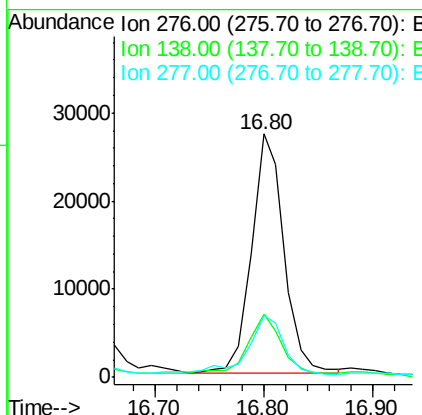
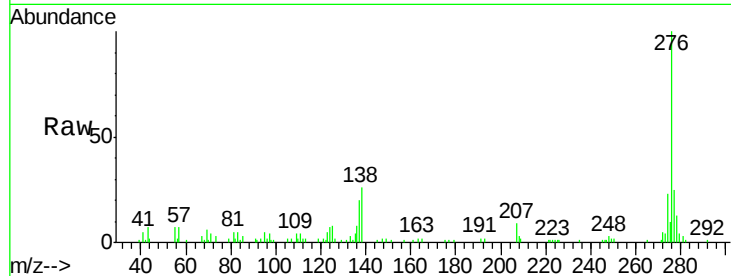




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.46 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

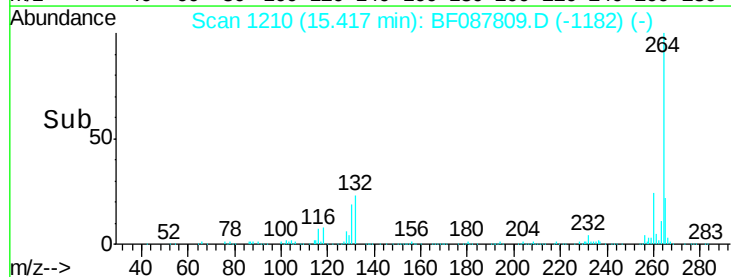
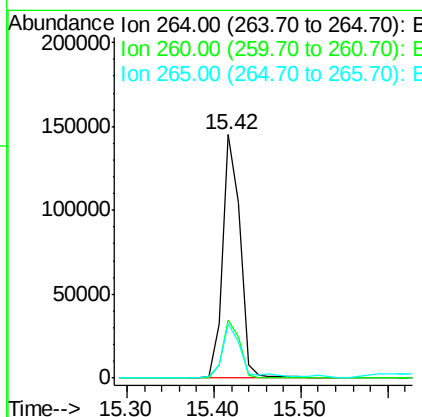
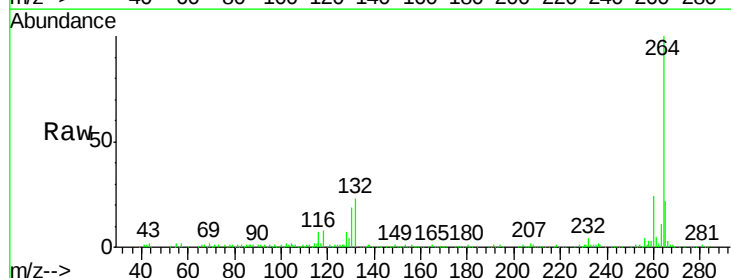
Instrument :
 BNA_F
 ClientSampleId :
 SS-13

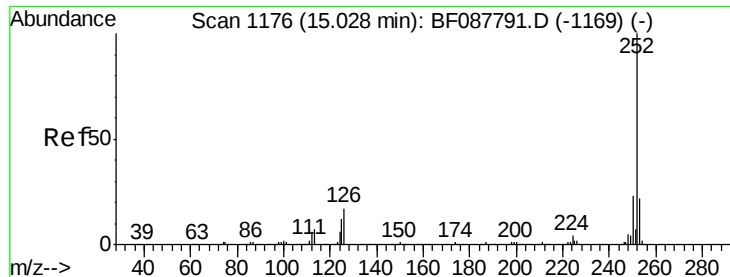
Tgt Ion: 276 Resp: 56234
 Ion Ratio Lower Upper
 276 100
 138 25.8 0.0 0.0#
 277 29.2 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion: 264 Resp: 205137
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.4 16.9 25.3

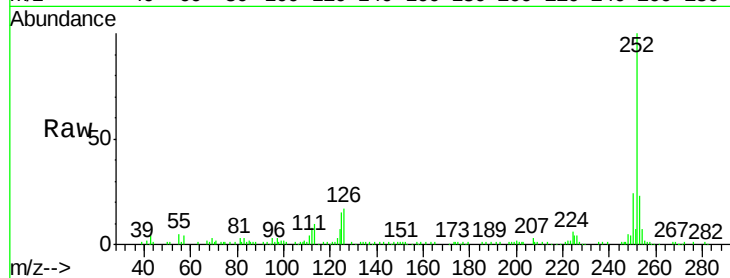




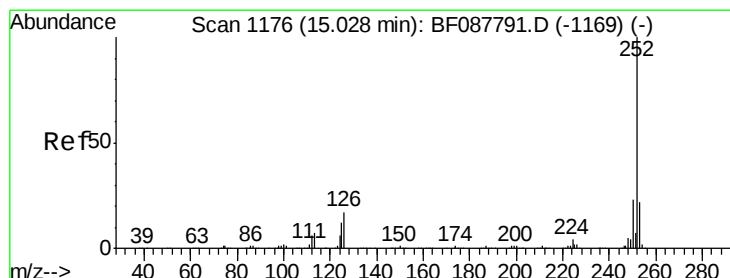
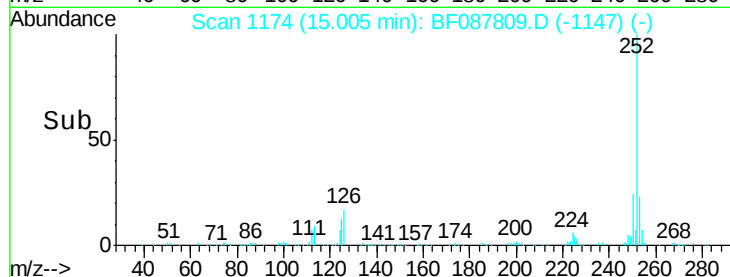
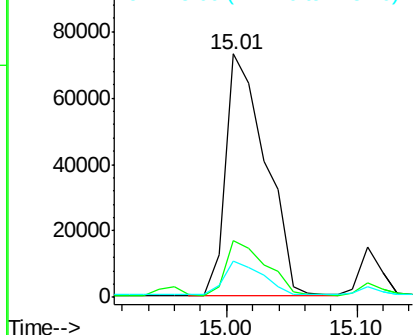
#87
Benzo(b)fluoranthene
Concen: 10.92 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

Tgt Ion:252 Resp: 156150
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 14.7 7.1 10.7#

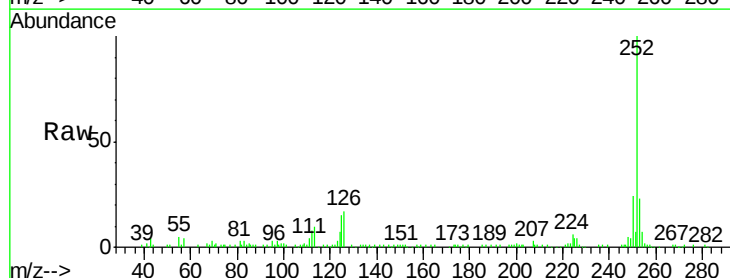


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

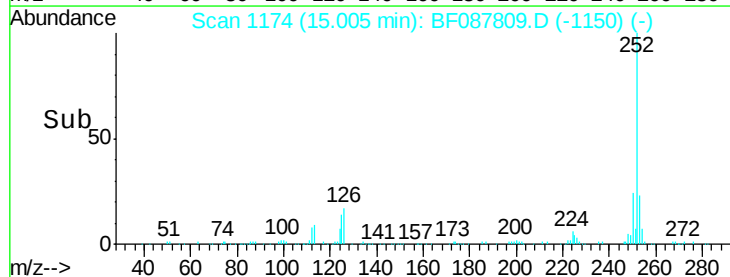
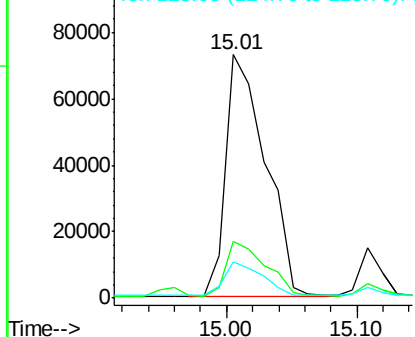


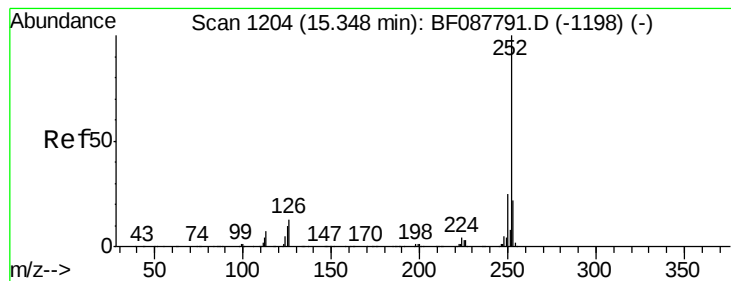
#88
Benzo(k)fluoranthene
Concen: 14.48 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion:252 Resp: 156150
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 14.7 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.16 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.05 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

ClientSampleId :

SS-13

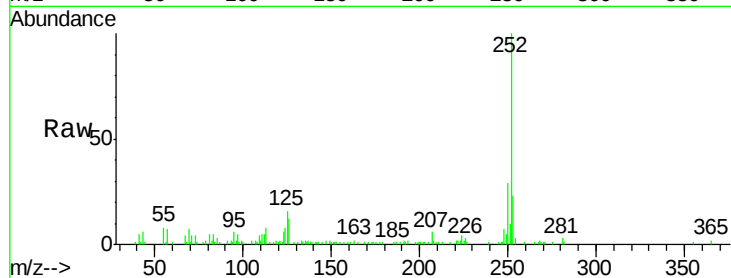
Tgt Ion:252 Resp: 59721

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

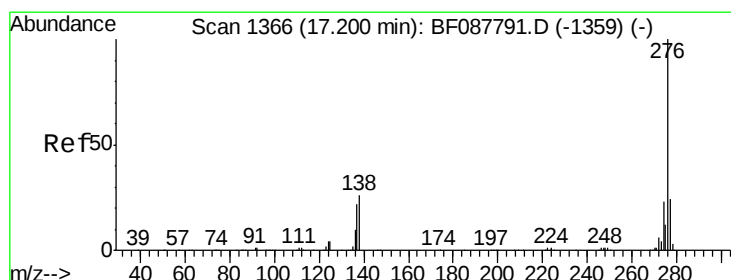
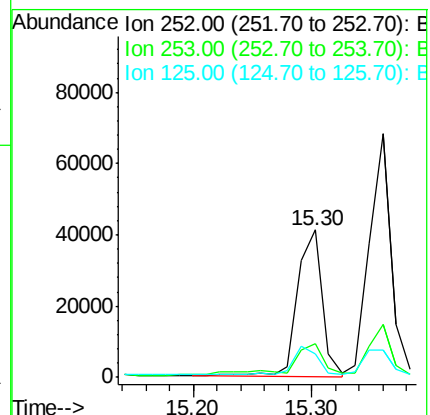
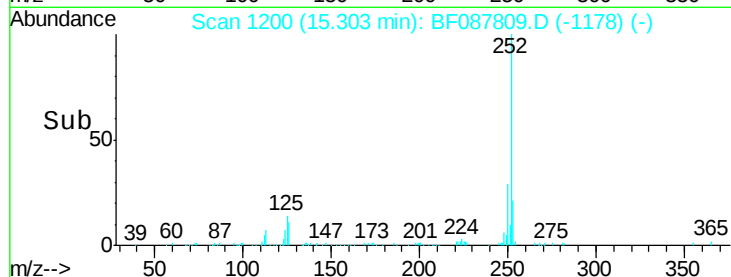
125 15.6 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.10 ng

RT: 17.22 min Scan# 1368

Delta R.T. 0.02 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

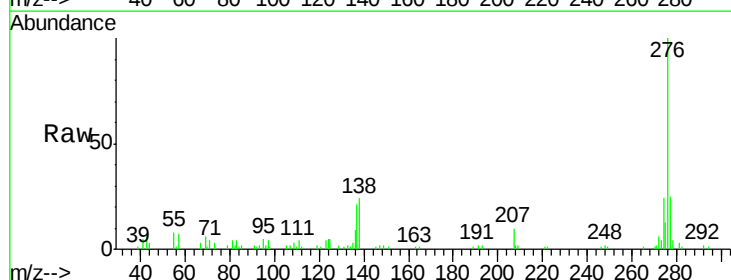
Tgt Ion:276 Resp: 56363

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 23.8 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

