

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087810.D
 Acq On : 8 Jun 2016 15:22
 Operator : UM/SJ
 Sample : H3378-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-15

Quant Time: Jun 09 07:05:11 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	100694	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	439061	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	194137	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	315761	20.00	ng	0.00
75) Chrysene-d12	13.99	240	215108	20.00	ng	0.00
86) Perylene-d12	15.42	264	212506	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	580840	98.61	ng	0.00
7) Phenol-d6	6.46	99	655977	91.89	ng	-0.02
23) Nitrobenzene-d5	7.39	82	480123	63.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	177149	86.42	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	871934	69.55	ng	-0.01
78) Terphenyl-d14	12.95	244	587601	62.16	ng	0.00

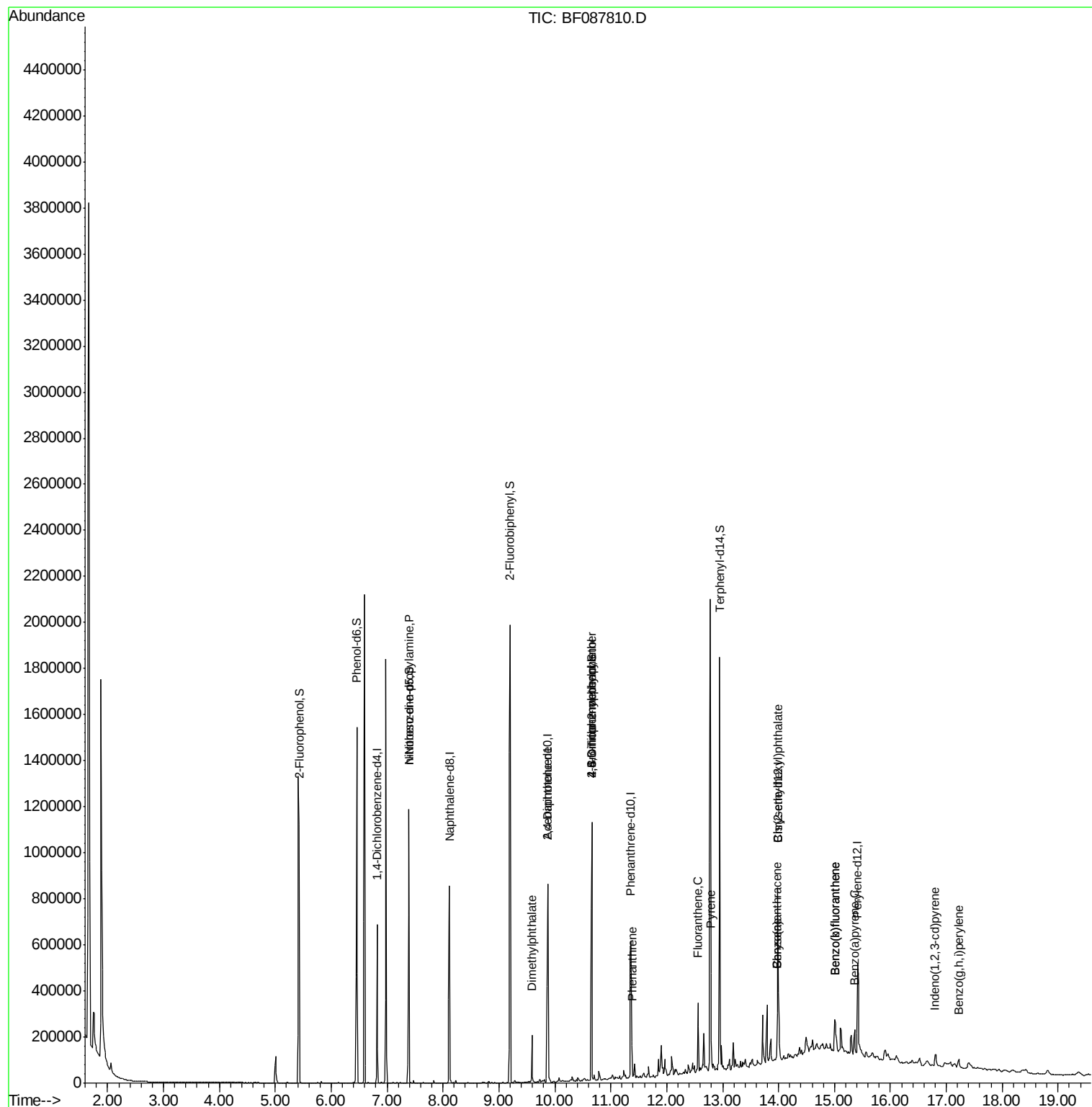
Target Compounds				Qvalue		
10) Phenol	6.47	94	5245	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	61992	13.58	ng	69
45) 1,1'-Biphenyl	9.29	154	745	Below Cal		75
49) Dimethylphthalate	9.59	163	75754	5.39	ng	99
56) 2,4-Dinitrotoluene	9.87	165	25189	6.09	ng	# 38
57) Fluorene	10.41	166	5893	Below Cal		91
64) 4,6-Dinitro-2-methylphenol	10.66	198	213	2.27	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	11274	3.33	ng	# 1
70) Phenanthrene	11.38	178	86638	5.23	ng	98
74) Fluoranthene	12.56	202	151227	8.65	ng	95
77) Pyrene	12.79	202	128631	8.06	ng	97
80) Benzo(a)anthracene	13.98	228	72891	5.95	ng	96
82) Chrysene	13.98	228	72891	6.32	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	22723	2.65	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	36900	3.44	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	110904	7.49	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	110904	9.93	ng	97
89) Benzo(a)pyrene	15.36	252	58924	4.92	ng	96
91) Benzo(g,h,i)perylene	17.22	276	36590	3.20	ng	98

(#) = 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: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

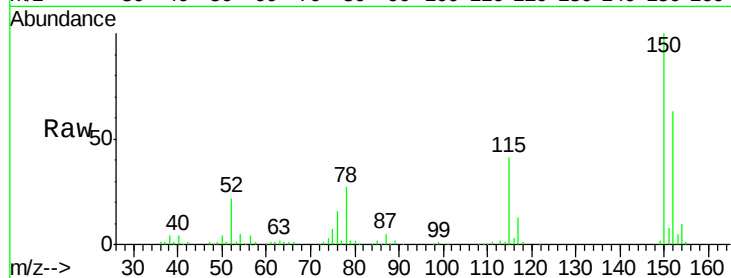
Tgt Ion:152 Resp: 100694

Ion Ratio Lower Upper

152 100

150 159.3 123.8 185.6

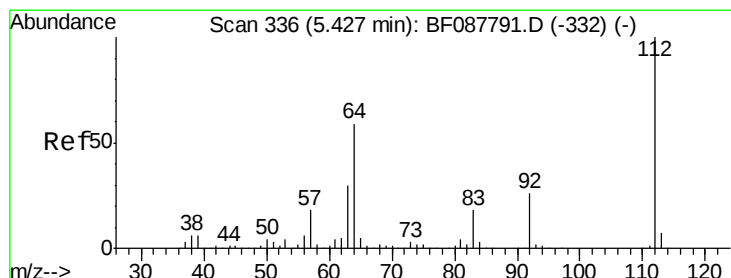
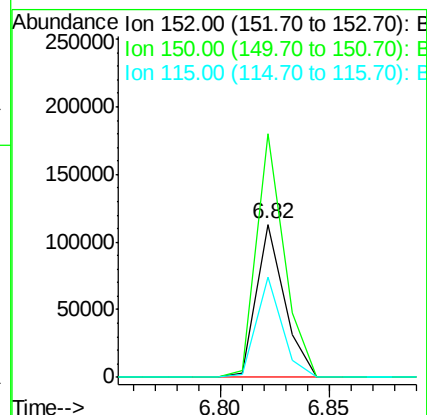
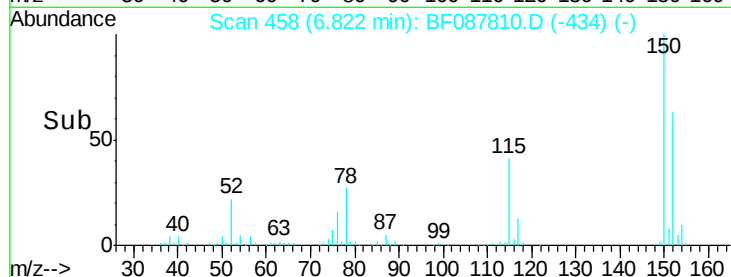
115 65.5 39.6 59.4#



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: 98.61 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.00 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

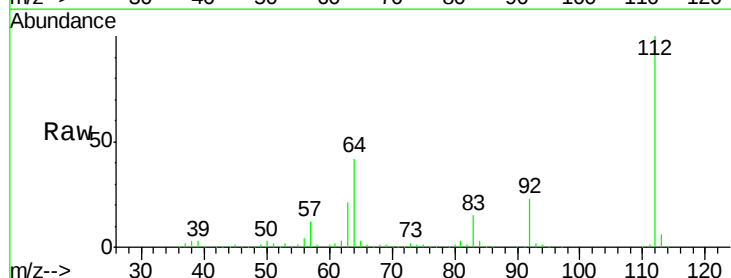
Tgt Ion:112 Resp: 580840

Ion Ratio Lower Upper

112 100

64 41.8 42.2 63.2#

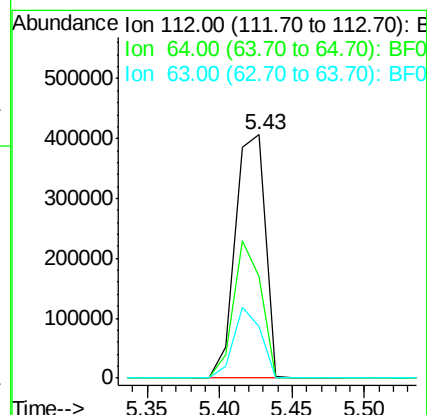
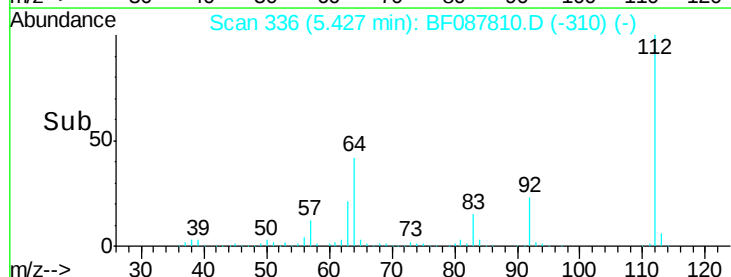
63 21.3 21.8 32.8#



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: 91.89 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

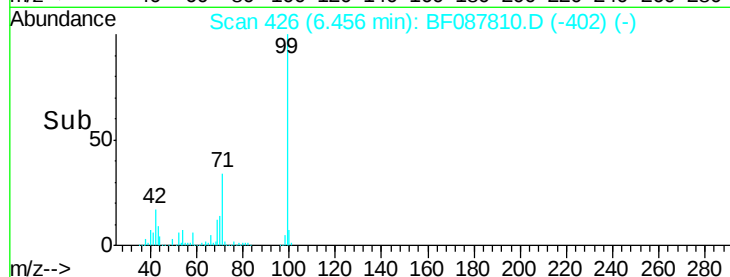
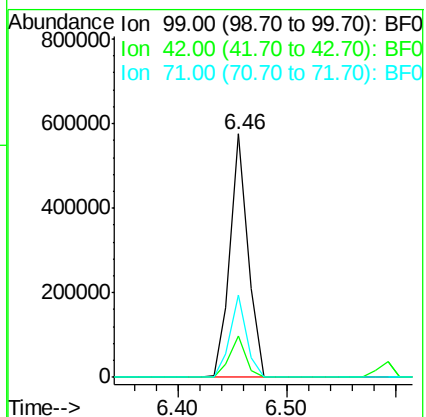
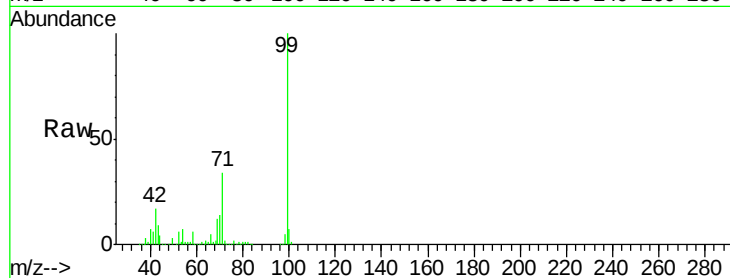
Tgt Ion: 99 Resp: 655977

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

71 33.8 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.58 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Tgt Ion: 70 Resp: 61992

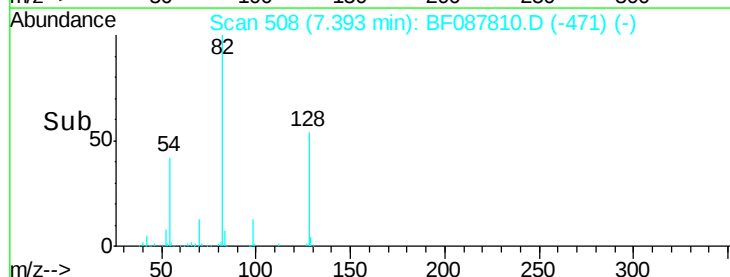
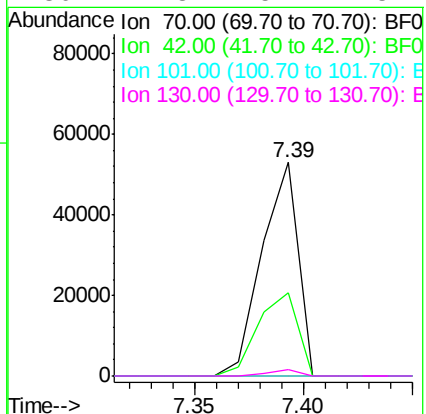
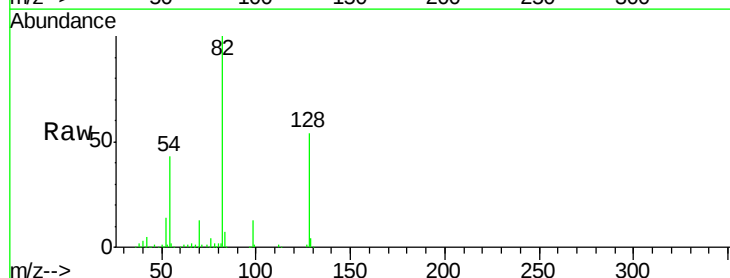
Ion Ratio Lower Upper

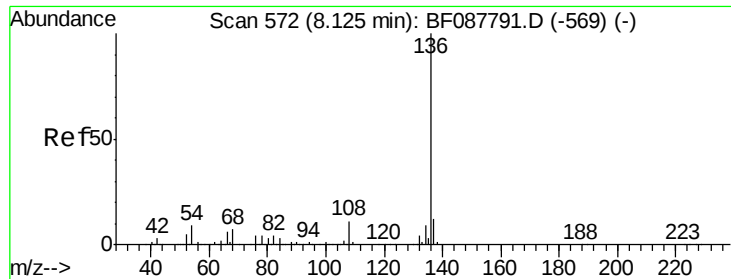
70 100

42 39.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.8 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: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

Tgt Ion: 136 Resp: 439061

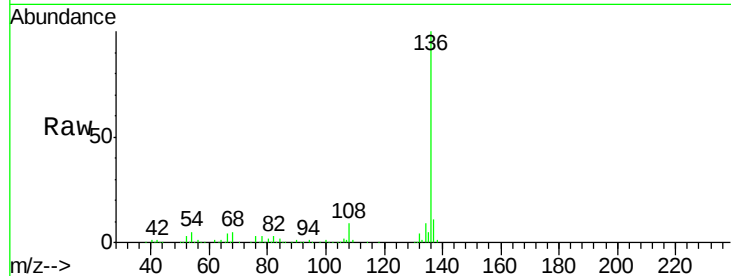
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.3 6.6 10.0#

68 4.6 5.1 7.7#

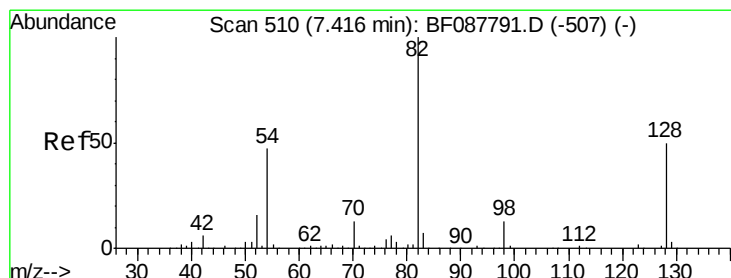
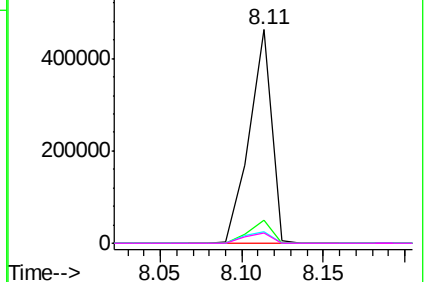
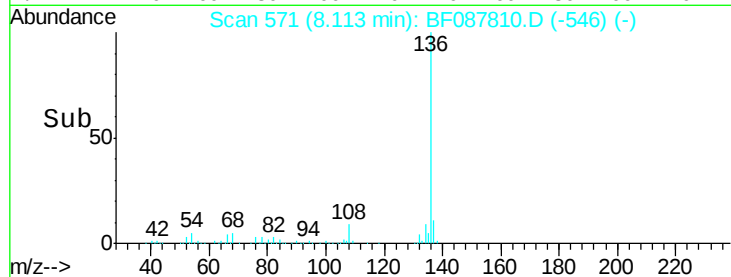


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 63.86 ng

RT: 7.39 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

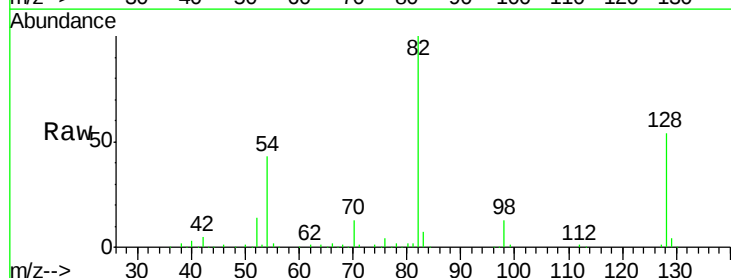
Tgt Ion: 82 Resp: 480123

Ion Ratio Lower Upper

82 100

128 53.9 35.9 53.9#

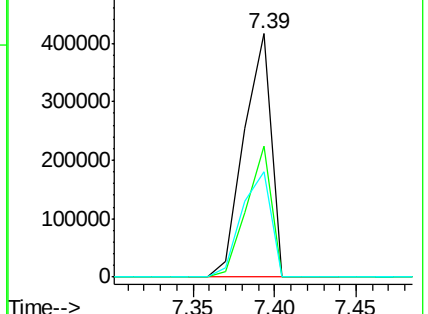
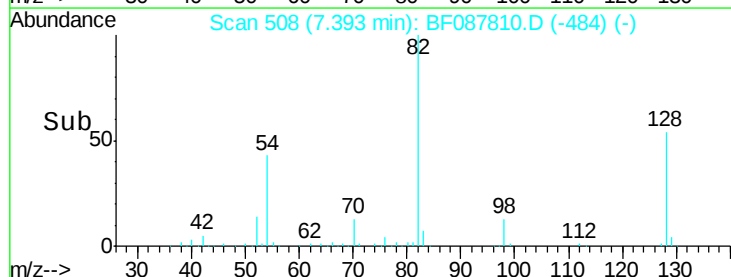
54 43.3 40.9 61.3

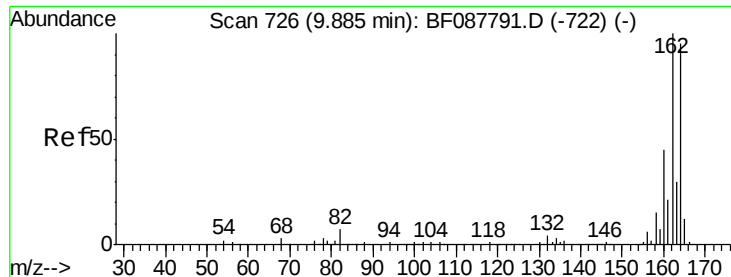


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

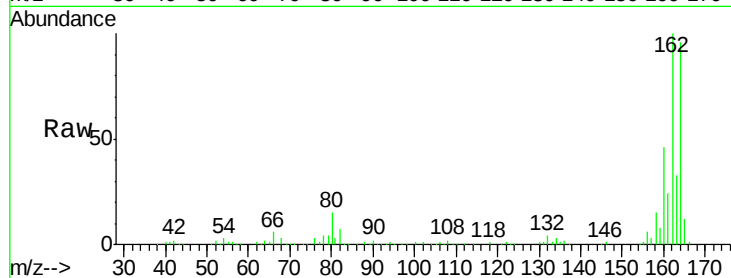
Tgt Ion:164 Resp: 194137

Ion Ratio Lower Upper

164 100

162 104.5 85.4 128.2

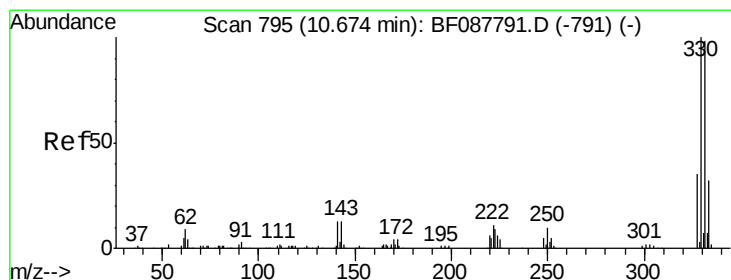
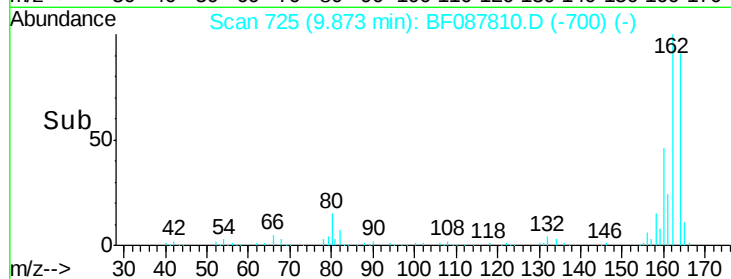
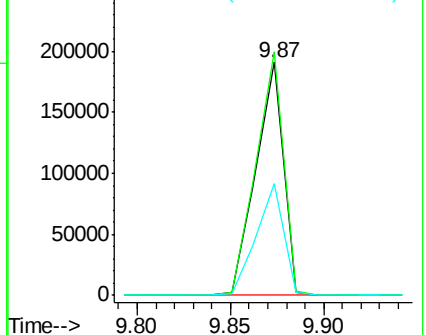
160 48.2 39.5 59.3



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: 86.42 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

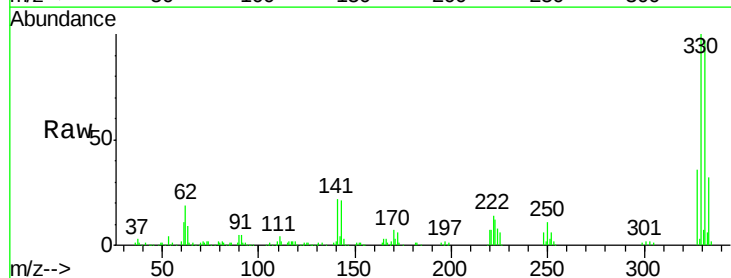
Tgt Ion:330 Resp: 177149

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

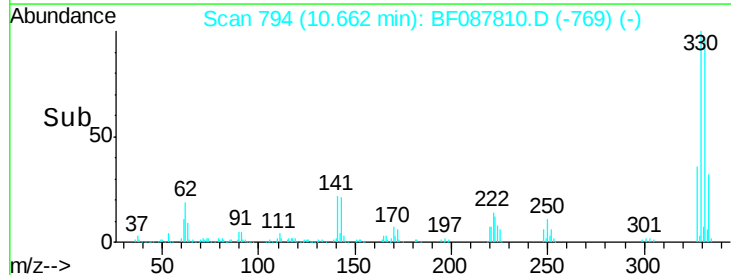
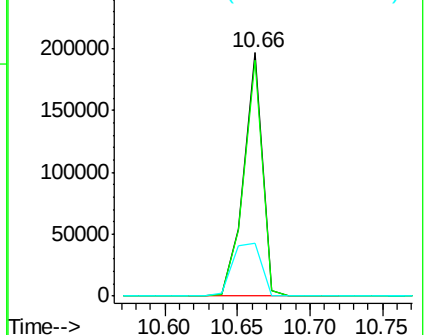
141 33.4 0.0 0.0#

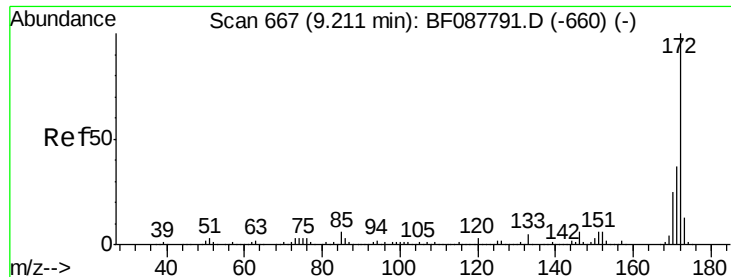


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

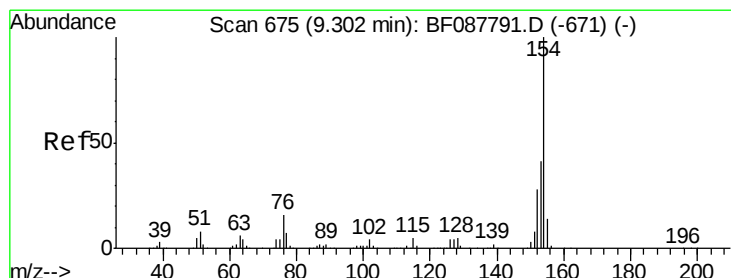
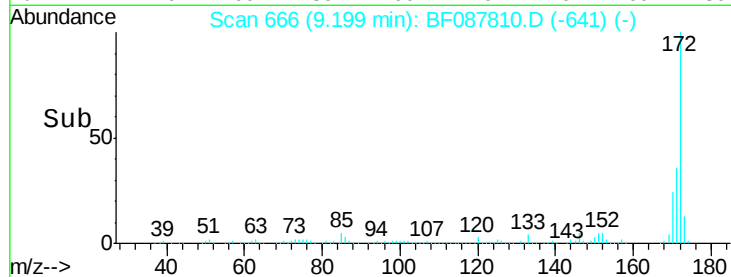
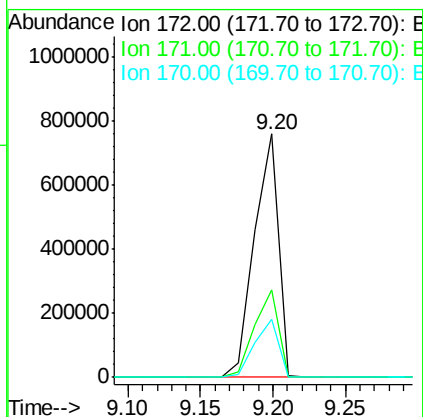
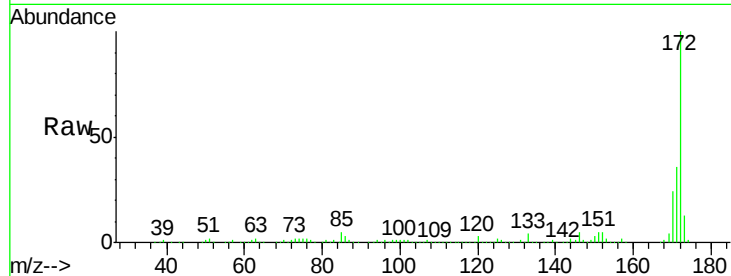




#44
 2-Fluorobiphenyl
 Concen: 69.55 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

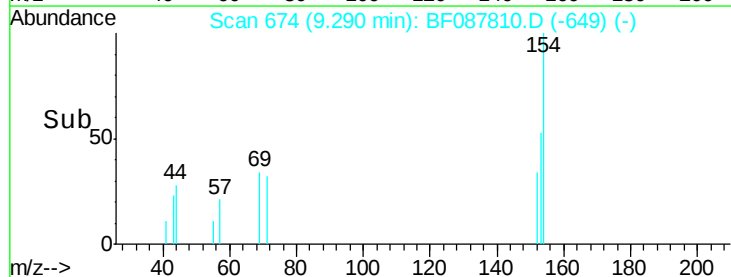
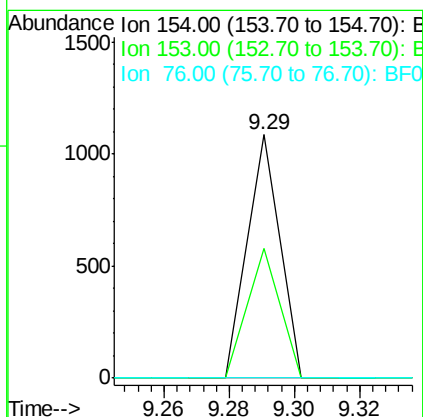
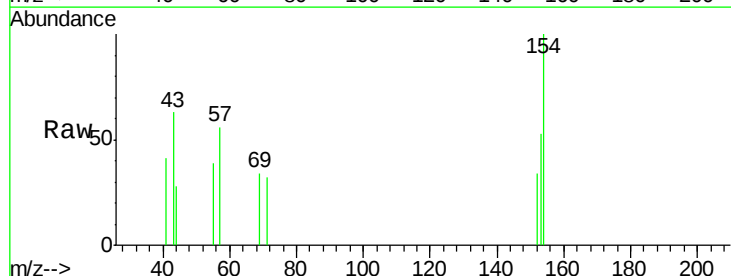
Instrument :
 BNA_F
 ClientSampleId :
 SS-15

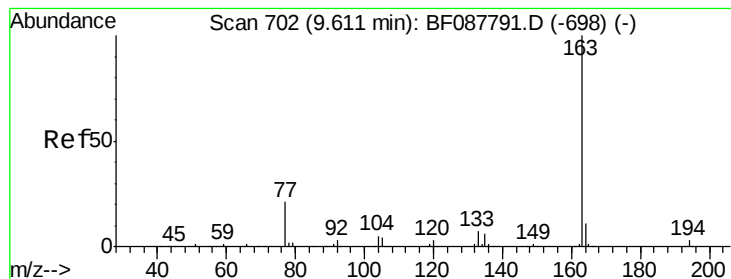
Tgt Ion:172 Resp: 871934
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.7 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion:154 Resp: 745
 Ion Ratio Lower Upper
 154 100
 153 53.4 20.6 60.6
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 5.39 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

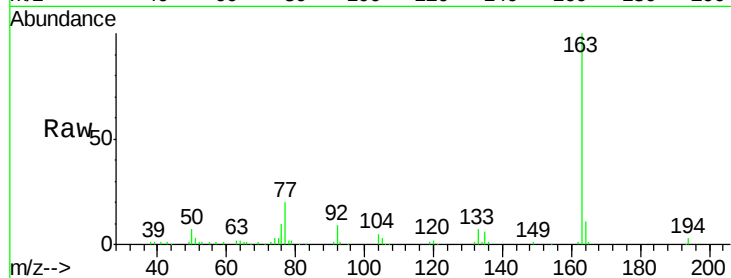
Tgt Ion:163 Resp: 75754

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

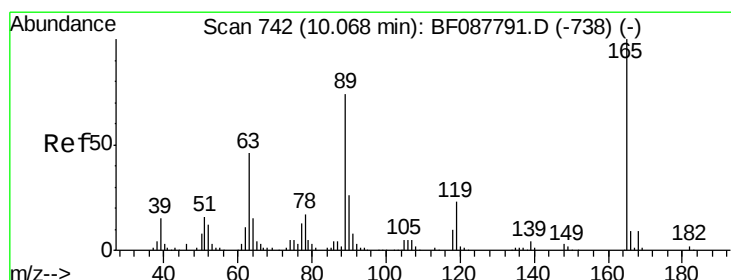
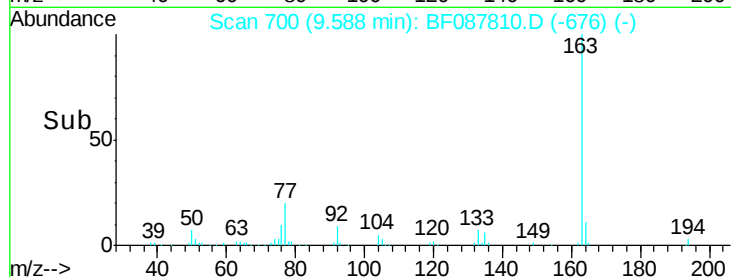
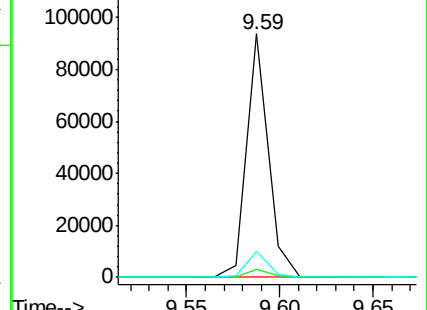
164 10.6 8.3 12.5



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: 6.09 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Tgt Ion:165 Resp: 25189

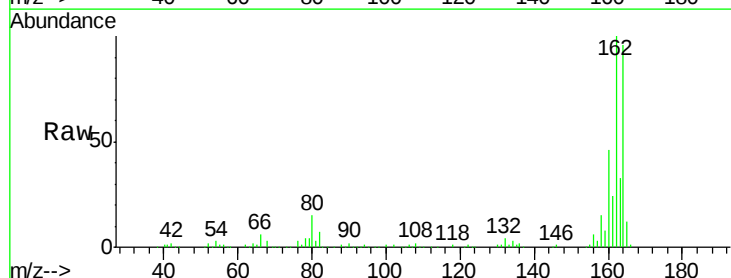
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

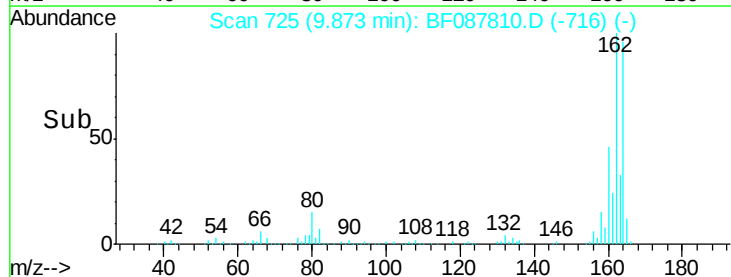
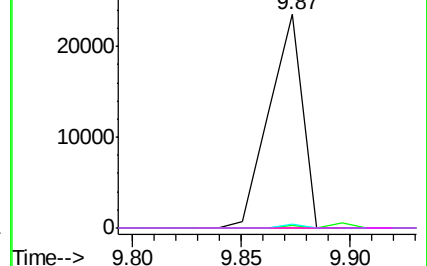


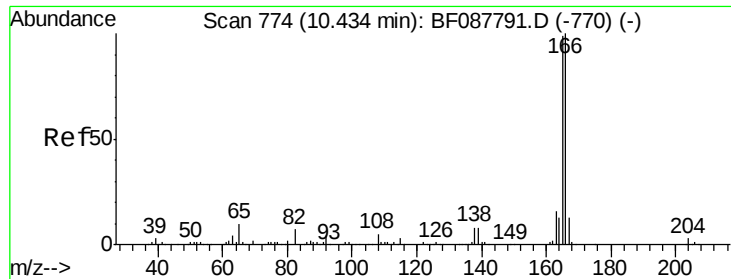
Abundance Ion 165.00 (164.70 to 165.70): E

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

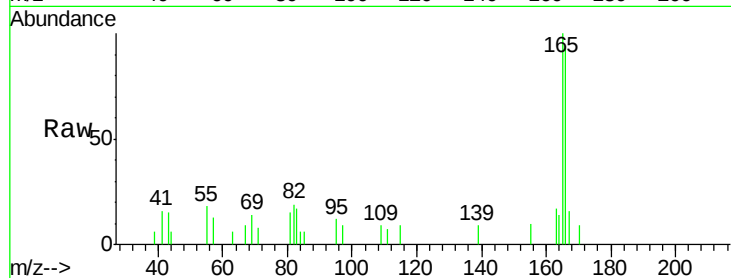




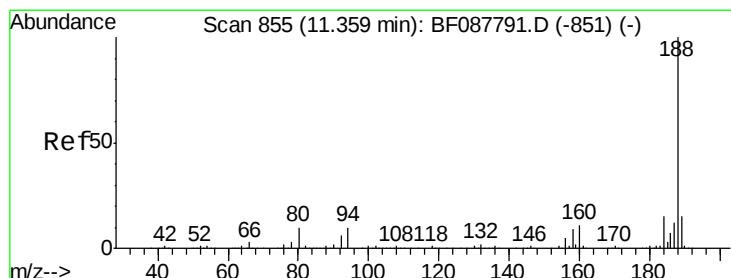
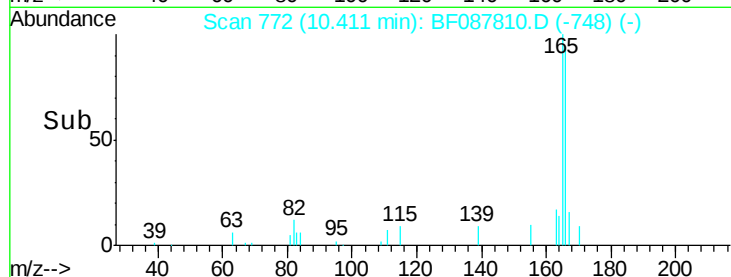
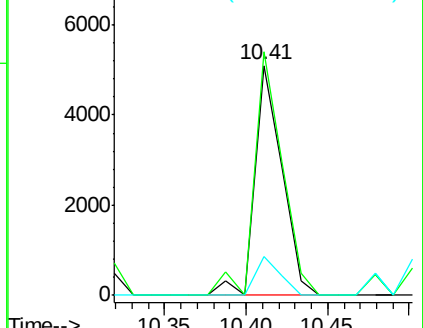
#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-15

Tgt Ion:166 Resp: 5893
 Ion Ratio Lower Upper
 166 100
 165 106.1 77.8 116.8
 167 16.6 11.2 16.8

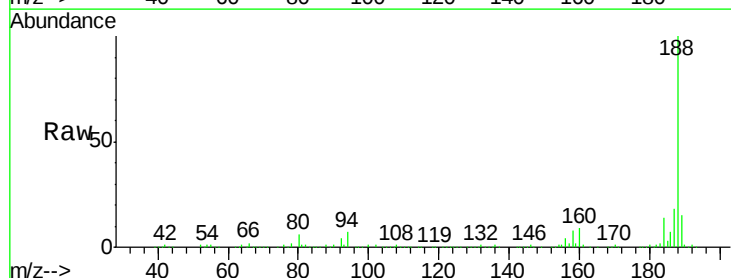


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

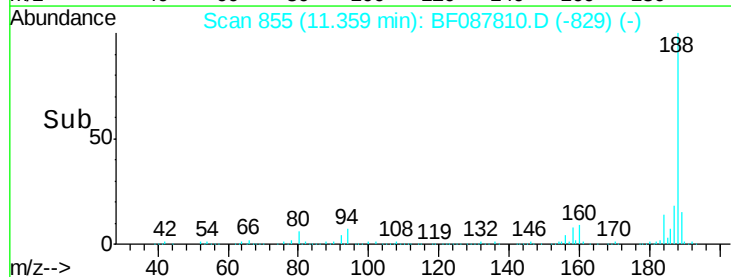
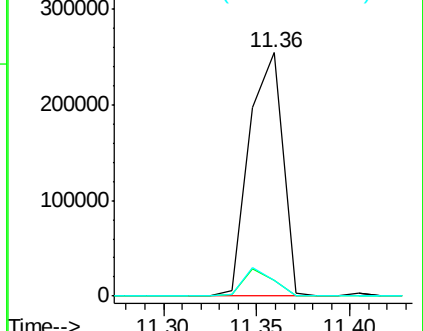


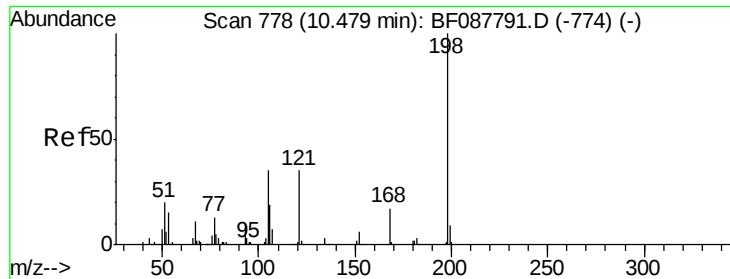
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion:188 Resp: 315761
 Ion Ratio Lower Upper
 188 100
 94 6.6 9.0 13.6#
 80 6.3 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

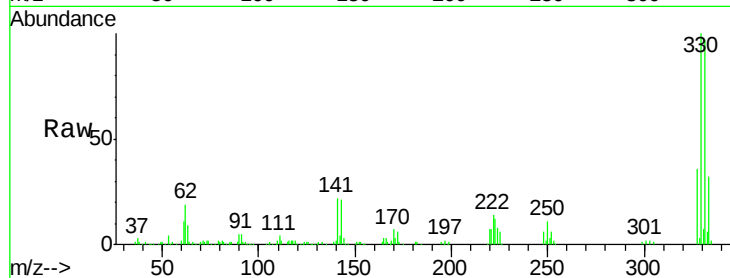




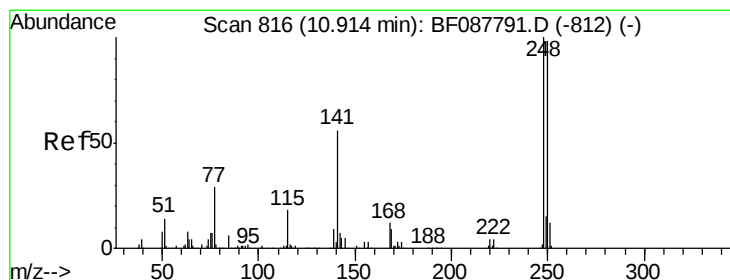
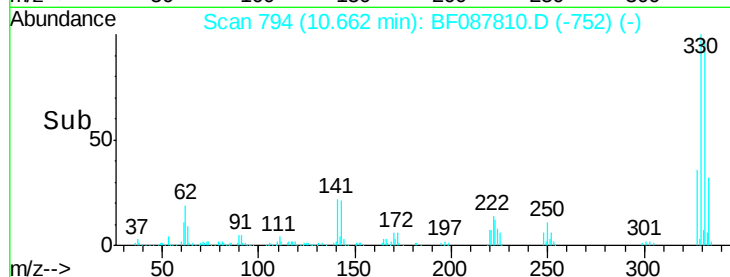
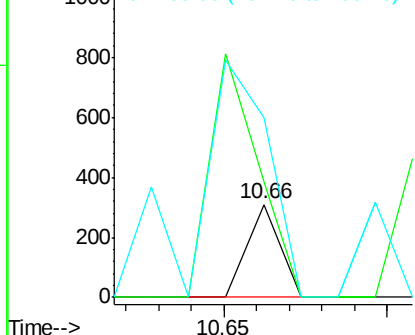
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.27 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.18 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-15

Tgt Ion:198 Resp: 213
 Ion Ratio Lower Upper
 198 100
 51 124.4 39.6 79.6#
 105 193.2 36.6 76.6#

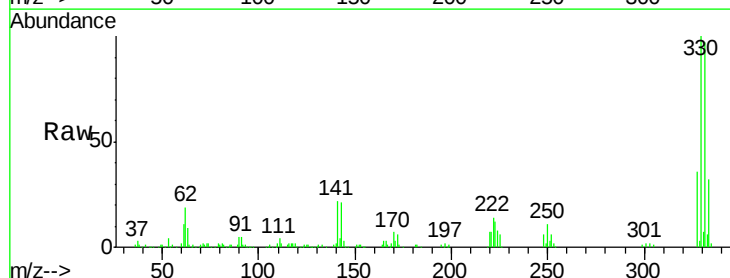


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

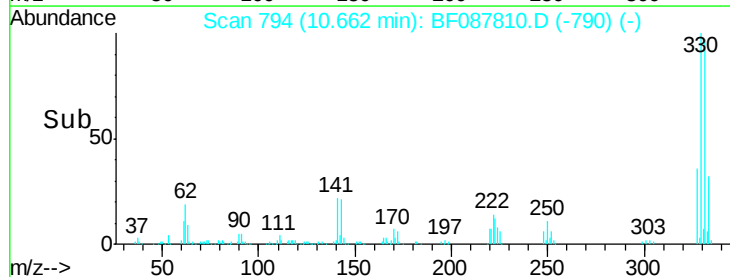
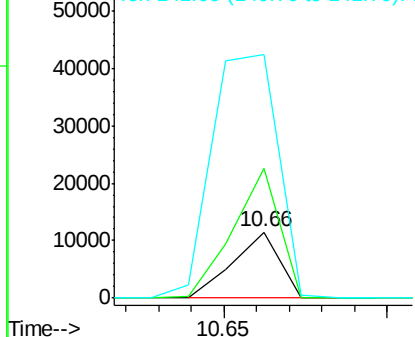


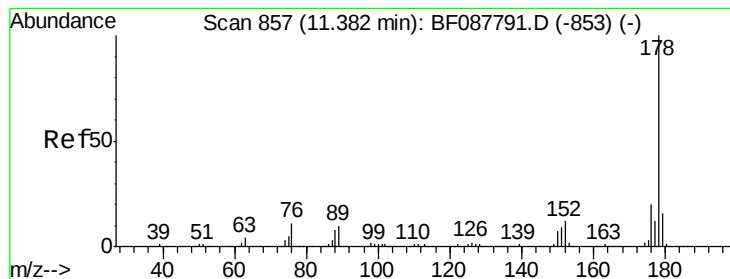
#66
 4-Bromophenyl-phenylether
 Concen: 3.33 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.25 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion:248 Resp: 11274
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.1 115.7#
 141 369.5 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: 5.23 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

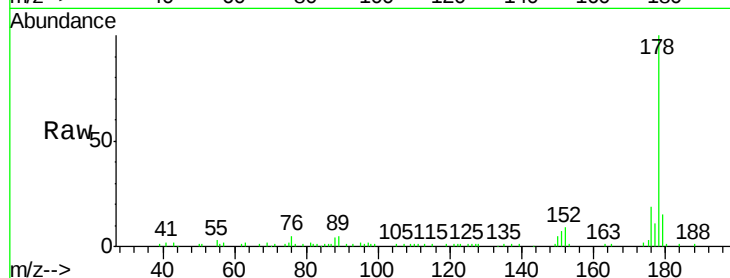
Tgt Ion:178 Resp: 86638

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

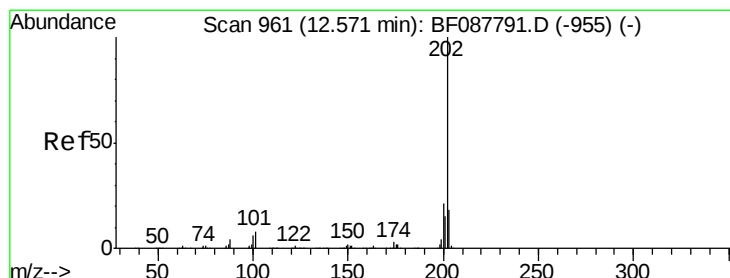
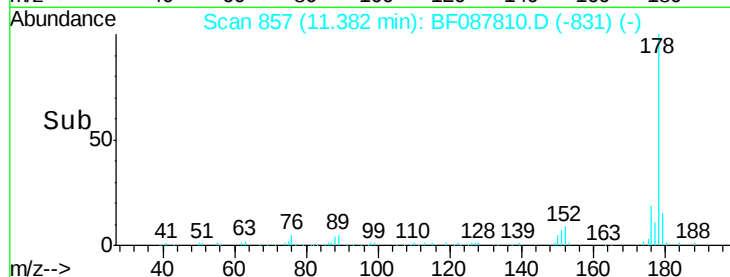
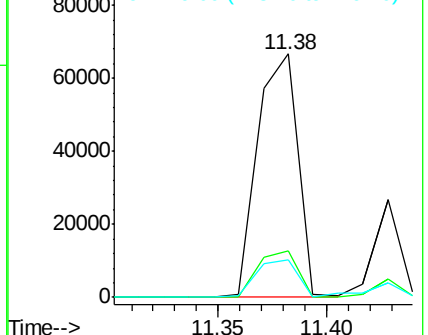
179 15.2 13.0 19.4



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



#74

Fluoranthene

Concen: 8.65 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

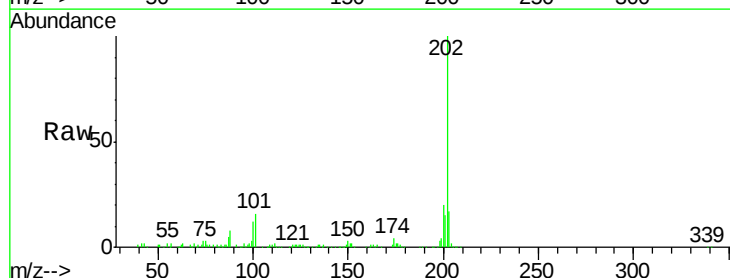
Tgt Ion:202 Resp: 151227

Ion Ratio Lower Upper

202 100

101 16.4 0.0 33.1

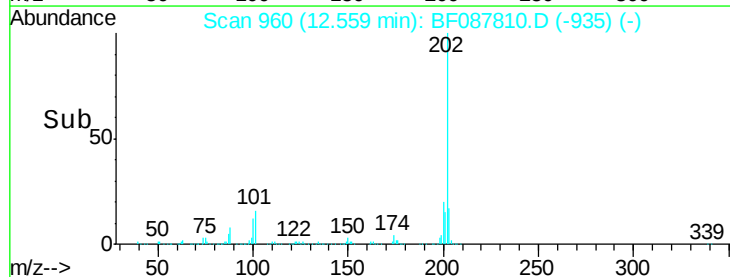
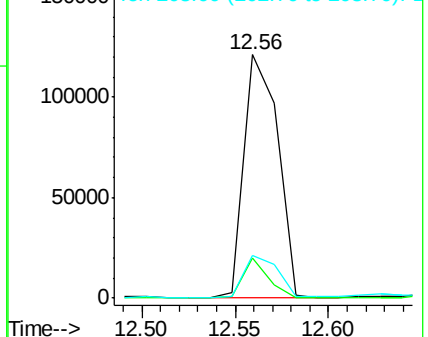
203 17.3 0.0 38.1

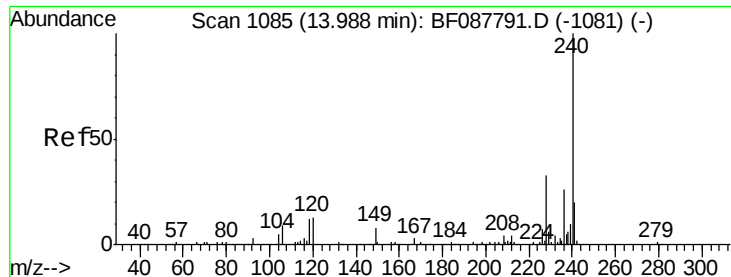


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

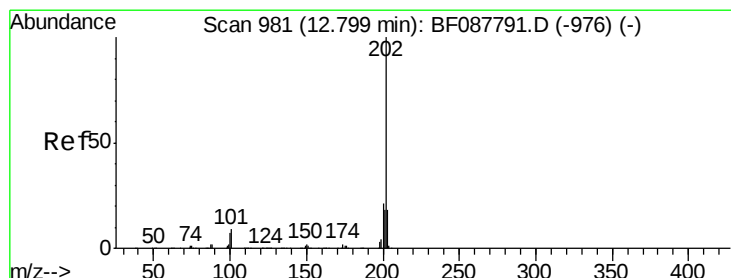
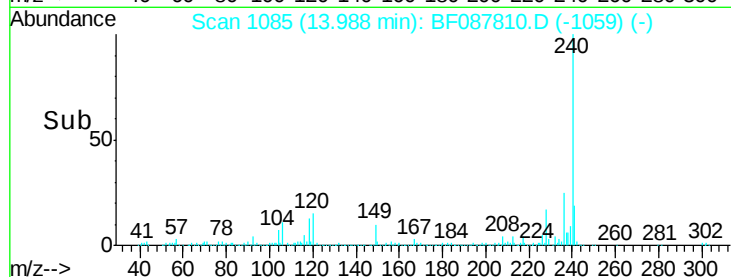
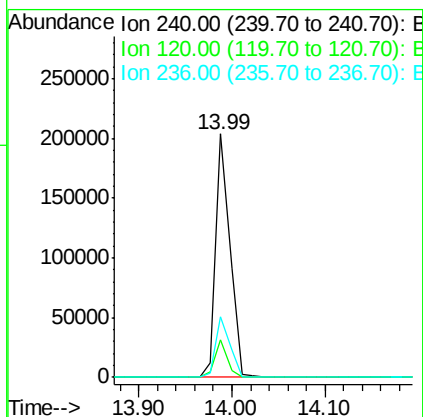
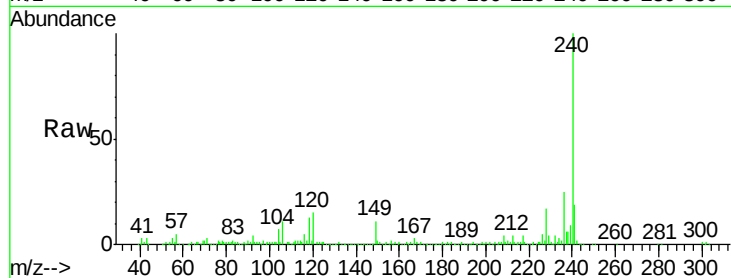




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

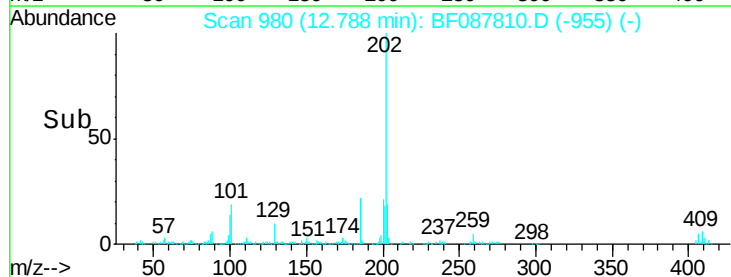
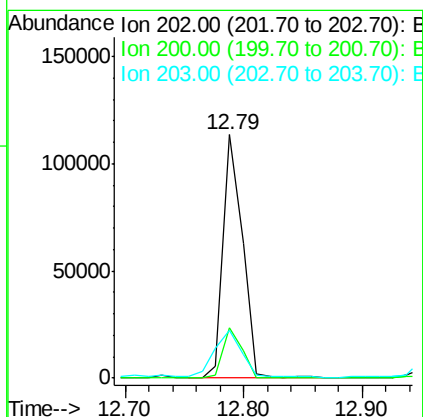
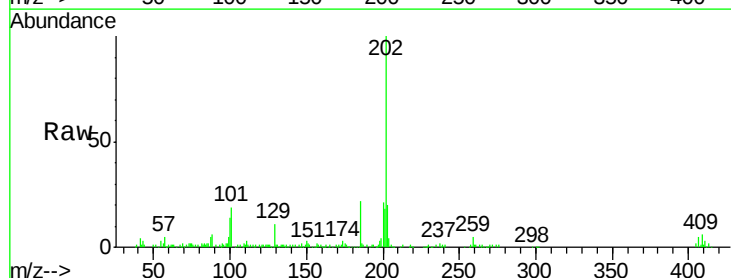
Instrument :
 BNA_F
 ClientSampleId :
 SS-15

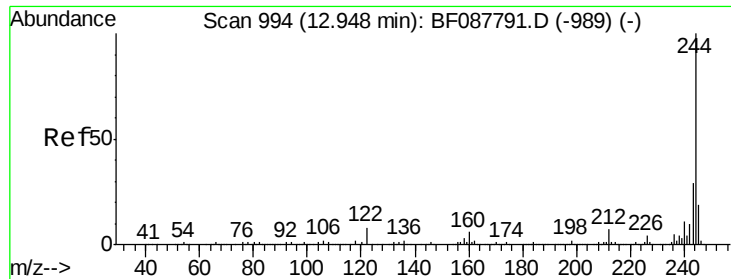
Tgt Ion:240 Resp: 215108
 Ion Ratio Lower Upper
 240 100
 120 15.3 6.8 10.2#
 236 25.1 20.2 30.2



#77
 Pyrene
 Concen: 8.06 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion:202 Resp: 128631
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 19.8 14.5 21.7

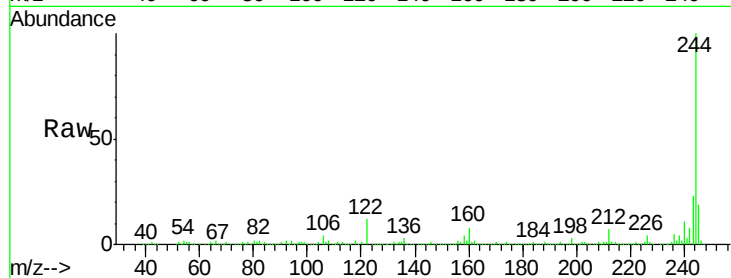




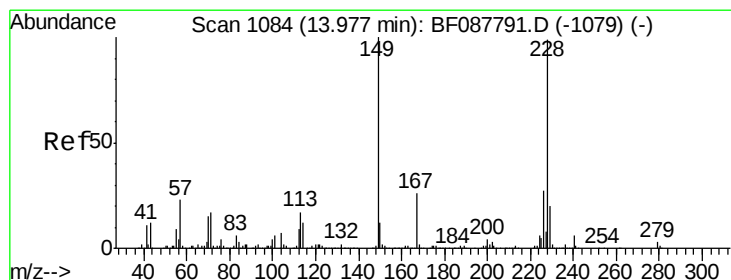
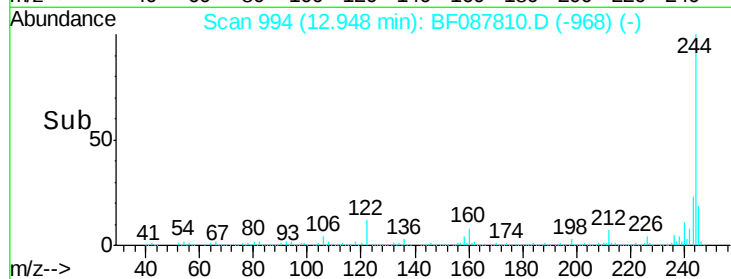
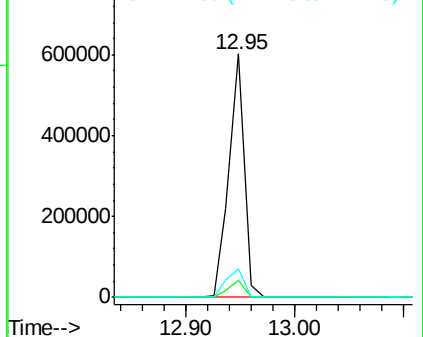
#78
 Terphenyl-d14
 Concen: 62.16 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-15

Tgt Ion:244 Resp: 587601
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 12.0 11.2 16.8

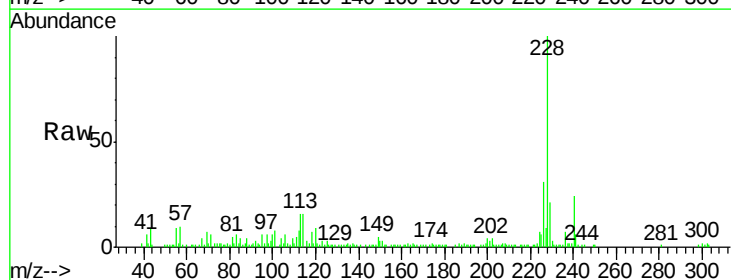


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

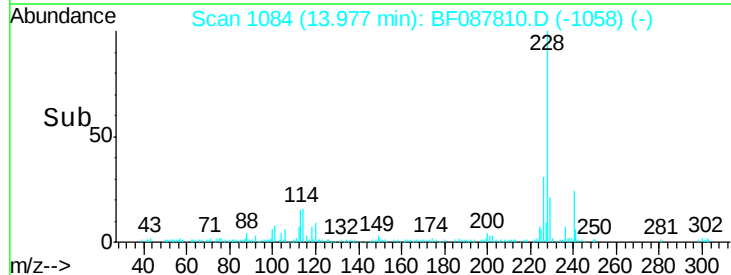
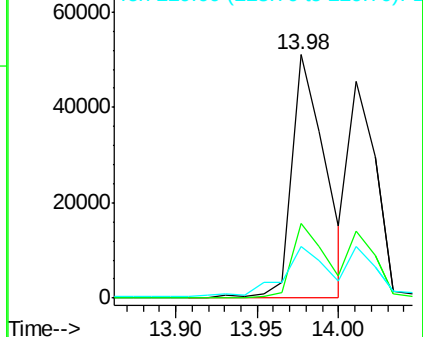


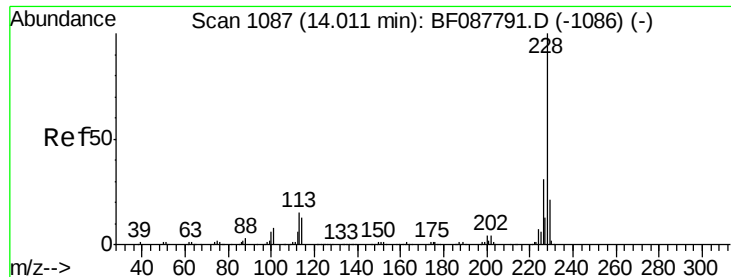
#80
 Benzo(a)anthracene
 Concen: 5.95 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion:228 Resp: 72891
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.3 33.5
 229 21.4 16.0 24.0



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





#82

Chrysene

Concen: 6.32 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

Instrument :

BNA_F

ClientSampleId :

SS-15

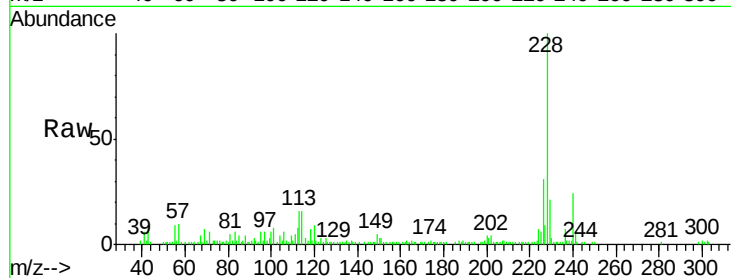
Tgt Ion:228 Resp: 72891

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.2

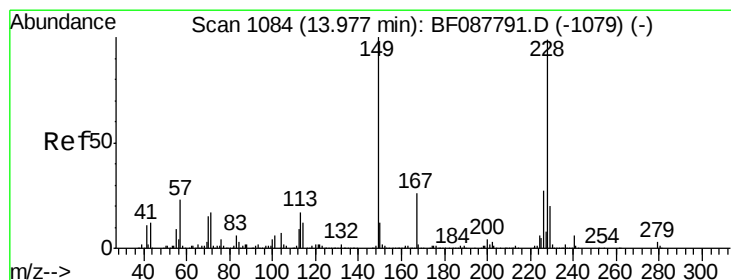
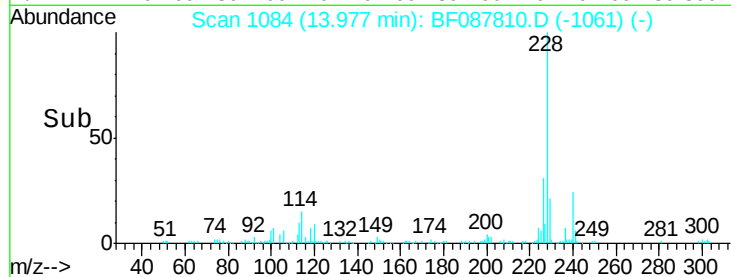
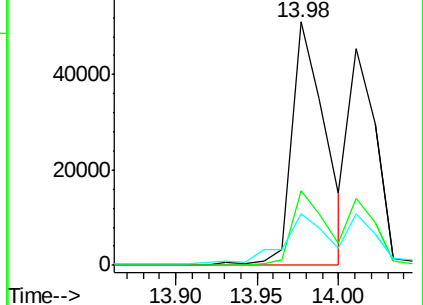
229 21.4 16.3 24.5



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: 2.65 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF087810.D

Acq: 8 Jun 2016 15:22

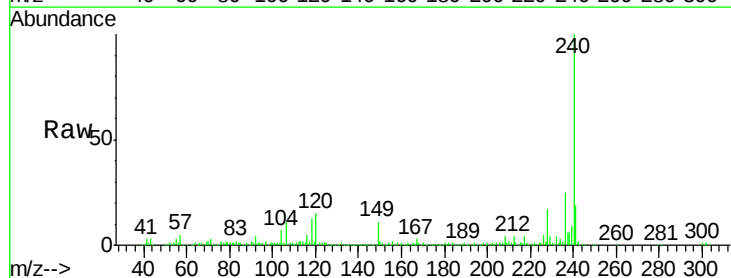
Tgt Ion:149 Resp: 22723

Ion Ratio Lower Upper

149 100

167 26.9 20.5 30.7

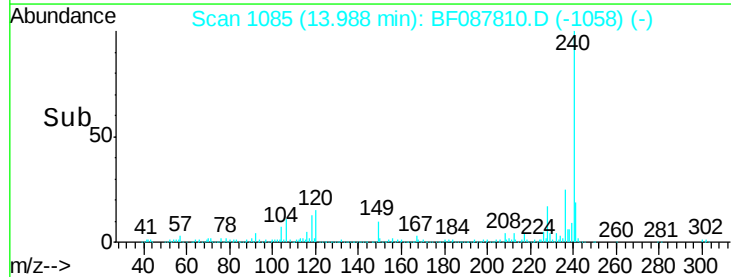
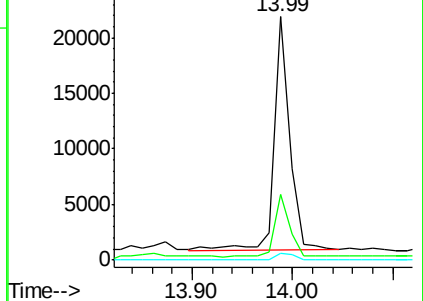
279 2.6 2.0 3.0

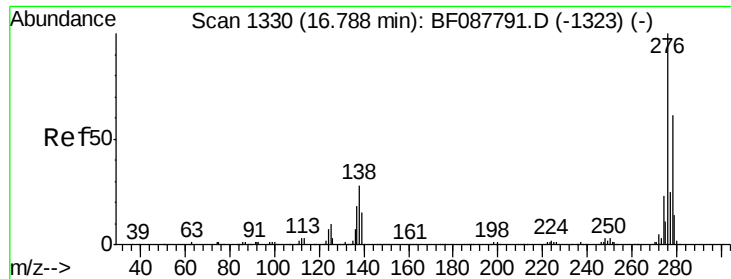


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

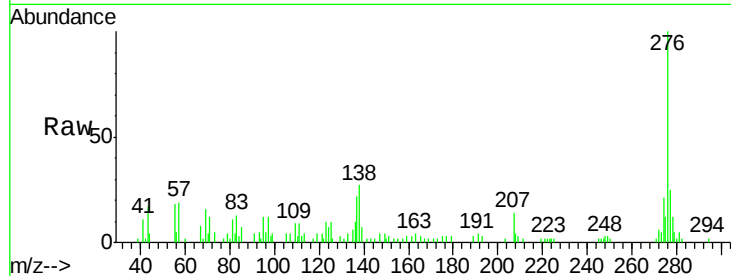




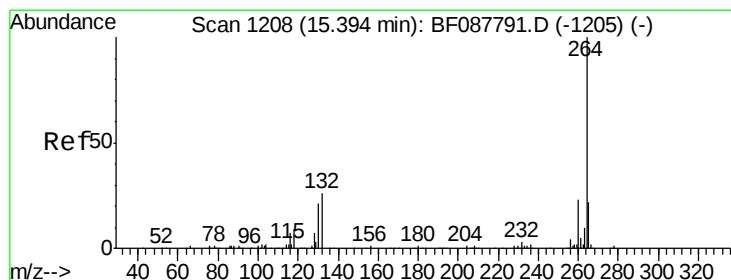
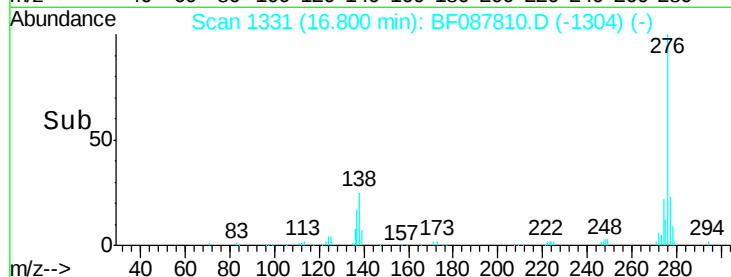
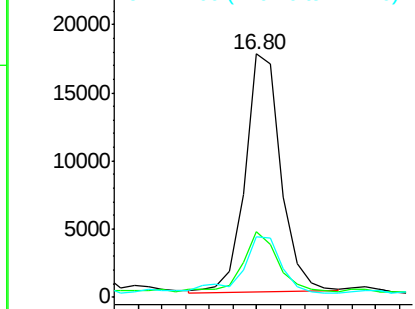
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.44 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-15

Tgt Ion: 276 Resp: 36900
 Ion Ratio Lower Upper
 276 100
 138 24.9 0.0 0.0#
 277 31.0 0.0 0.0#

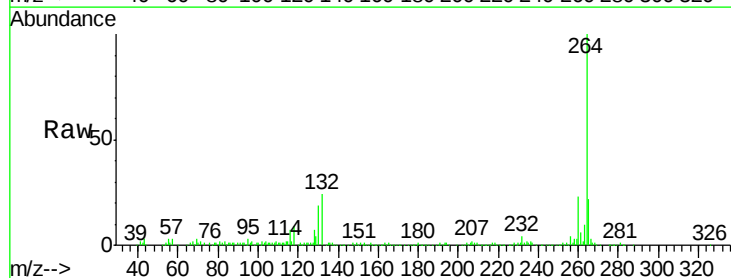


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

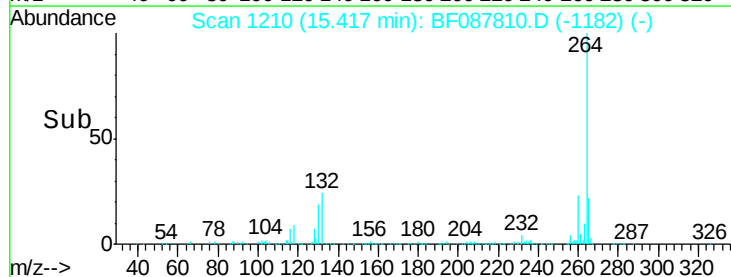
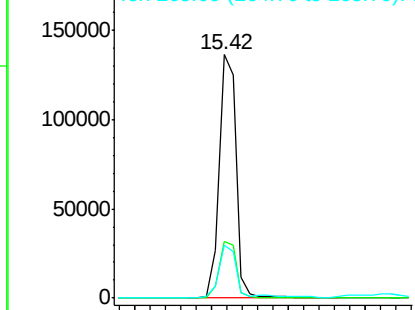


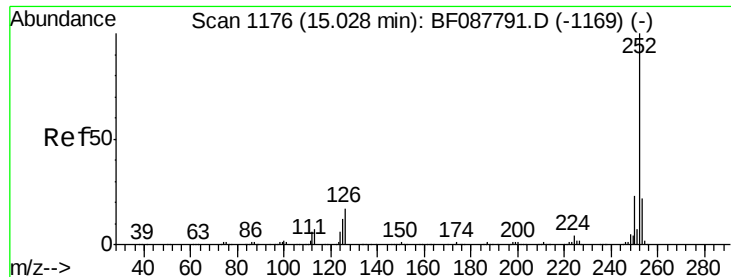
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087810.D
 Acq: 8 Jun 2016 15:22

Tgt Ion: 264 Resp: 212506
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.9 16.9 25.3



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

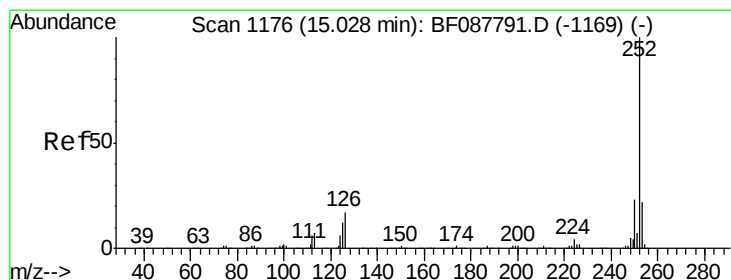
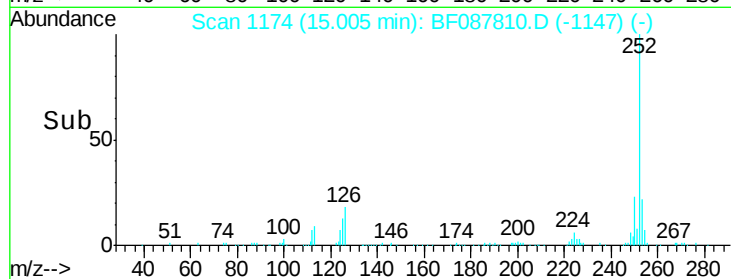
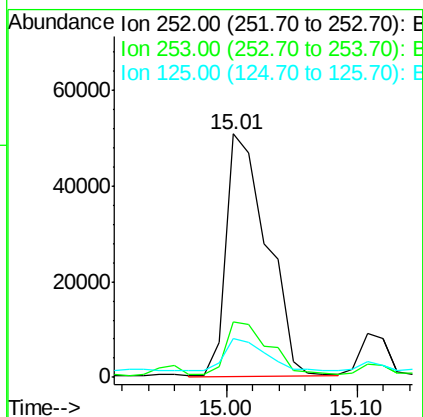
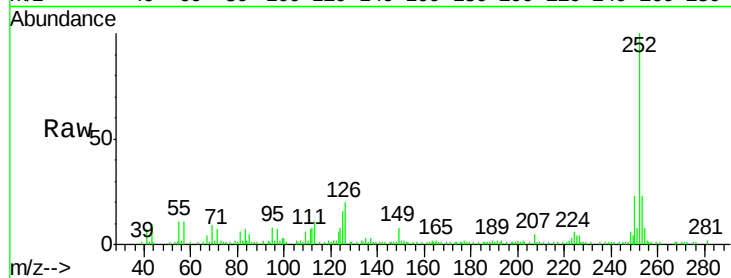




#87
Benzo(b)fluoranthene
Concen: 7.49 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

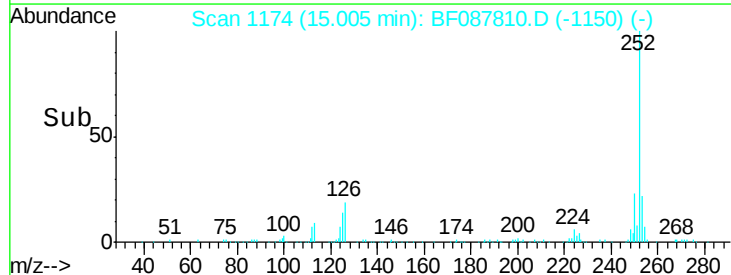
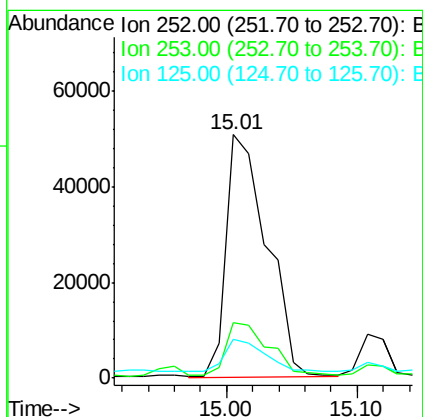
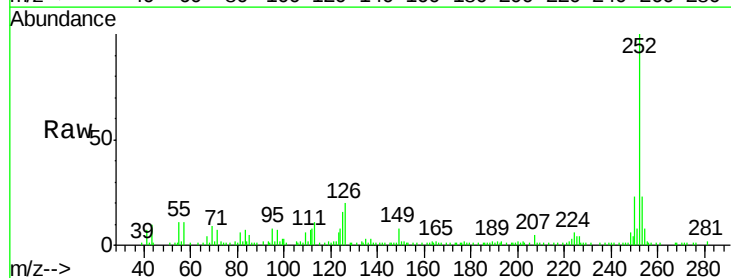
Instrument :
BNA_F
ClientSampleId :
SS-15

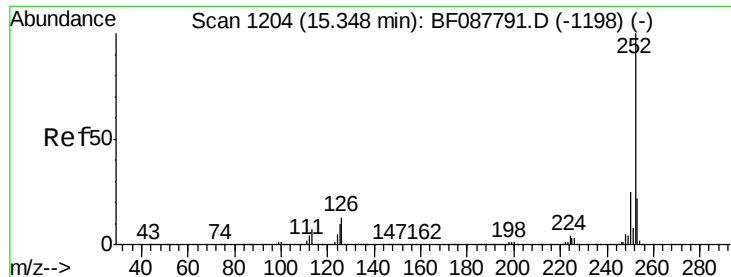
Tgt Ion:252 Resp: 110904
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 16.2 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 9.93 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:252 Resp: 110904
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 16.2 11.2 16.8

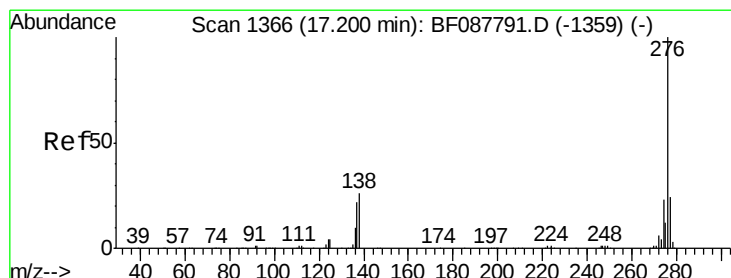
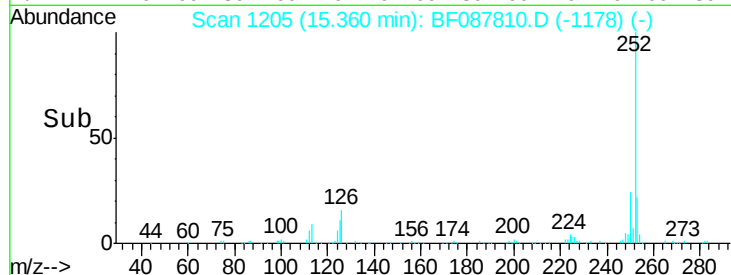
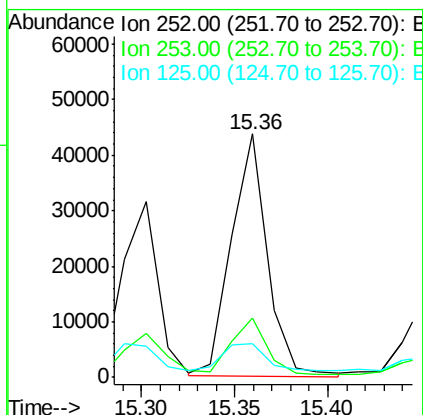
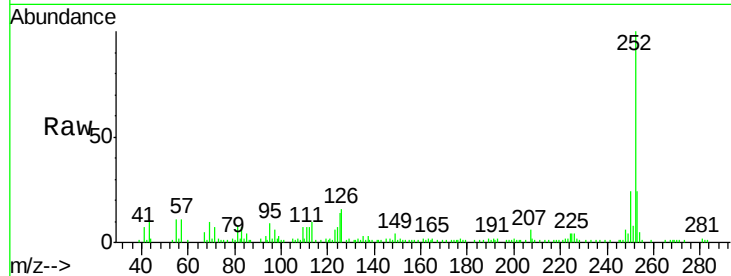




#89
Benzo(a)pyrene
Concen: 4.92 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Instrument :
BNA_F
ClientSampleId :
SS-15

Tgt Ion: 252 Resp: 58924
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 13.8 12.5 18.7



#91
Benzo(g,h,i)perylene
Concen: 3.20 ng
RT: 17.22 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion: 276 Resp: 36590
Ion Ratio Lower Upper
276 100
277 23.3 18.9 28.3
138 25.1 21.4 32.2

