

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060716\
 Data File : BF087801.D
 Acq On : 7 Jun 2016 22:20
 Operator : UM/SJ
 Sample : H3379-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-3

Quant Time: Jun 08 04:56:41 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

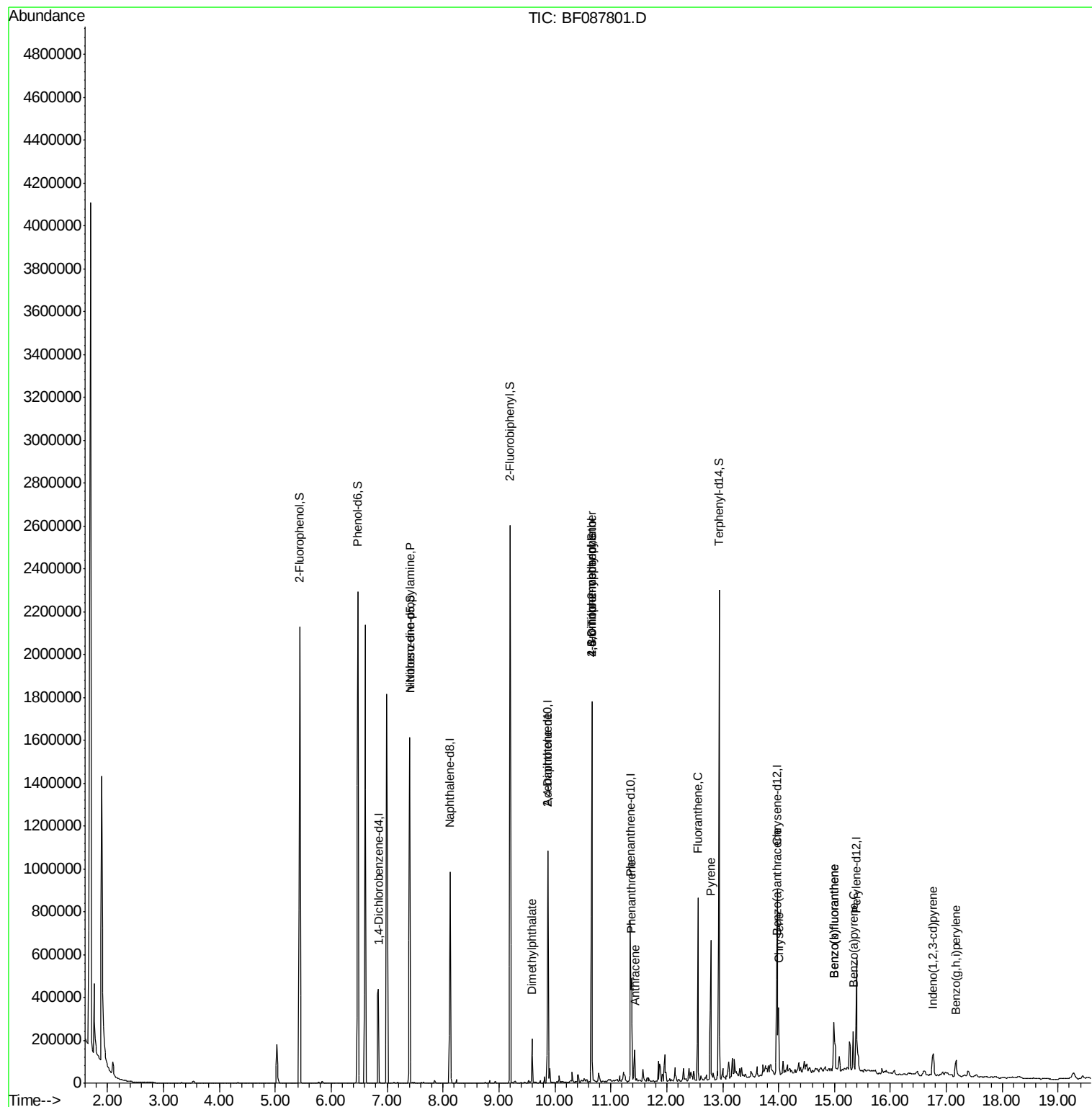
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	103189	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	440902	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	202732	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	329329	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	226560	20.00	ng	-0.01
86) Perylene-d12	15.39	264	220537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	708567	117.39	ng	0.01
7) Phenol-d6	6.48	99	1023654	139.93	ng	0.00
23) Nitrobenzene-d5	7.40	82	576791	76.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	229425	107.18	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	911595	69.64	ng	-0.01
78) Terphenyl-d14	12.94	244	688918	69.19	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	7333	Below Cal		Qvalue 94
19) n-Nitroso-di-n-propylamine	7.40	70	77357	16.53 ng	#	73
45) 1,1'-Biphenyl	9.30	154	1415	Below Cal		80
49) Dimethylphthalate	9.59	163	110842	7.55 ng		99
56) 2,4-Dinitrotoluene	9.87	165	26213	6.06 ng	#	38
57) Fluorene	10.42	166	15088	Below Cal		98
64) 4,6-Dinitro-2-methylphenol	10.66	198	357	2.33 ng	#	1
66) 4-Bromophenyl-phenylether	10.66	248	14193	4.02 ng	#	1
70) Phenanthrene	11.37	178	222678	12.89 ng		98
71) Anthracene	11.43	178	65008	3.73 ng		97
74) Fluoranthene	12.56	202	315309	17.29 ng		98
77) Pyrene	12.79	202	293750	17.47 ng		99
80) Benzo(a)anthracene	13.97	228	141287	10.94 ng		99
82) Chrysene	14.00	228	96615	7.95 ng		96
85) Indeno(1,2,3-cd)pyrene	16.77	276	68056	6.03 ng	#	100
87) Benzo(b)fluoranthene	14.99	252	193223	12.57 ng	#	96
88) Benzo(k)fluoranthene	14.99	252	193223	16.66 ng		99
89) Benzo(a)pyrene	15.34	252	109072	8.77 ng	#	94
91) Benzo(g,h,i)perylene	17.18	276	67336	5.67 ng		97

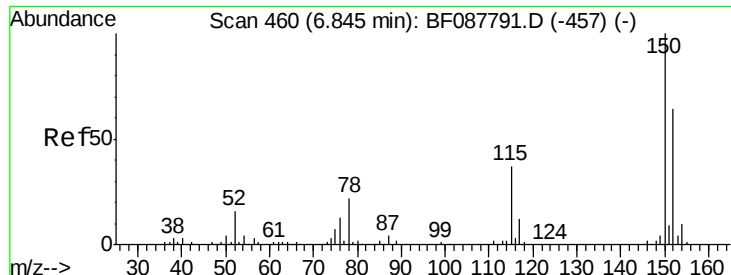
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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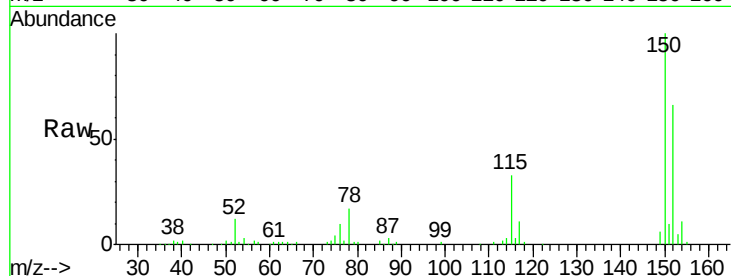




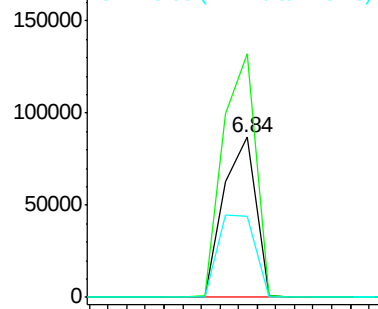
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-3

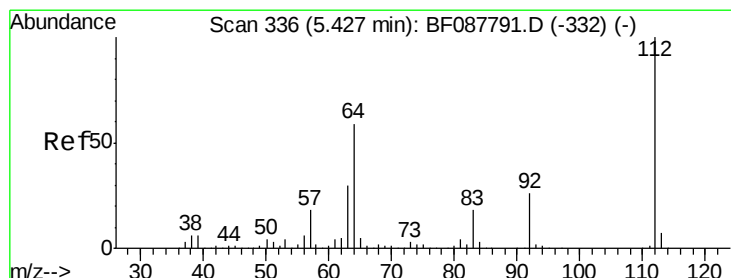
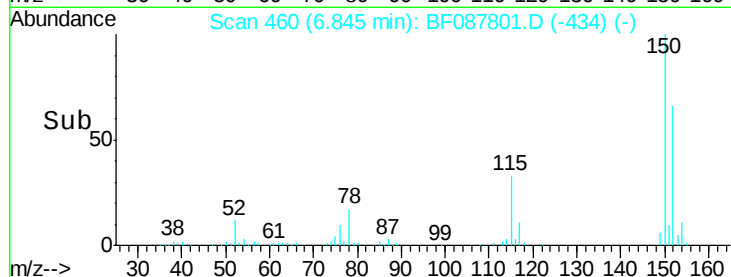
Tgt Ion:152 Resp: 103189
 Ion Ratio Lower Upper
 152 100
 150 152.0 123.8 185.6
 115 50.5 39.6 59.4



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

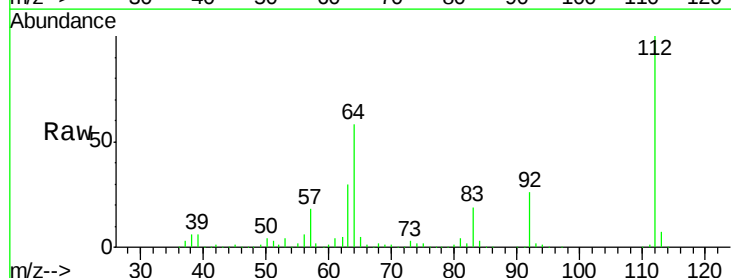


Time-->

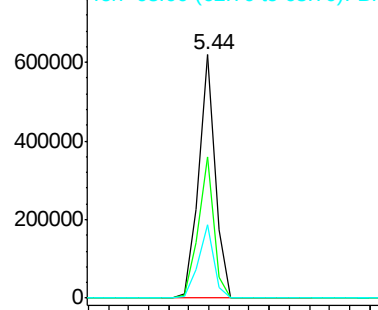


#5
 2-Fluorophenol
 Concen: 117.39 ng
 RT: 5.44 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

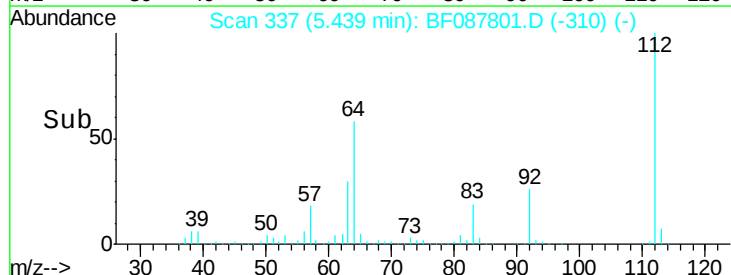
Tgt Ion:112 Resp: 708567
 Ion Ratio Lower Upper
 112 100
 64 58.0 42.2 63.2
 63 30.3 21.8 32.8

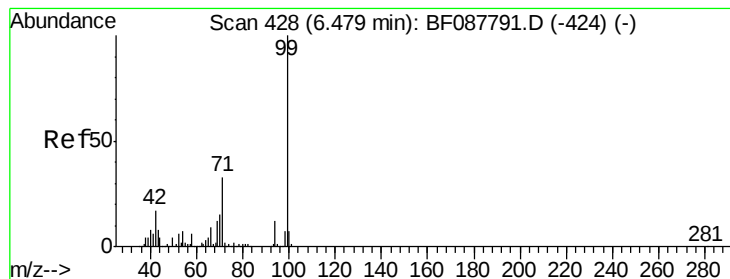


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 139.93 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampled :

SS-3

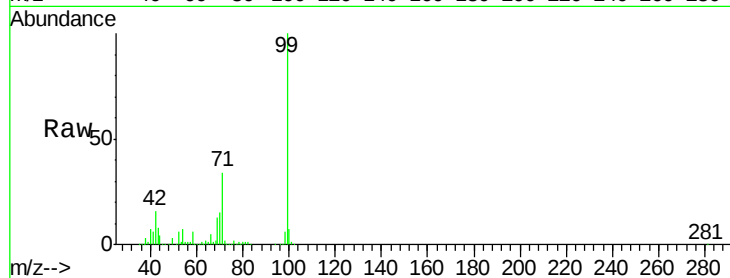
Tgt Ion: 99 Resp: 1023654

Ion Ratio Lower Upper

99 100

42 16.5 12.2 18.2

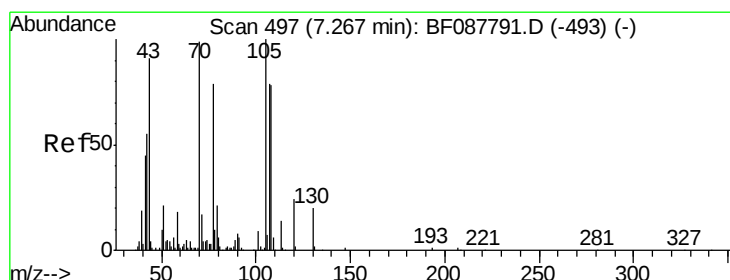
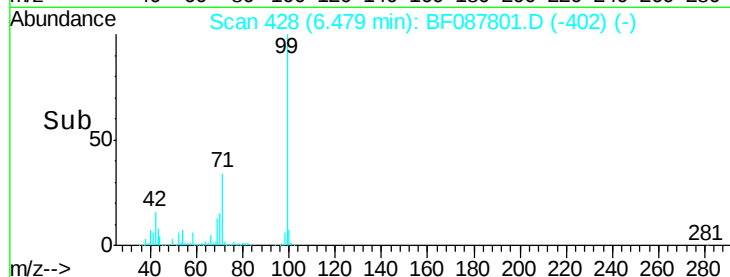
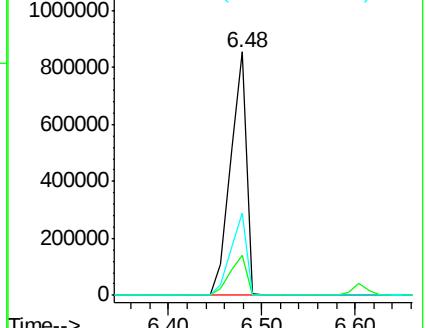
71 33.9 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.53 ng

RT: 7.40 min Scan# 509

Delta R.T. 0.14 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Tgt Ion: 70 Resp: 77357

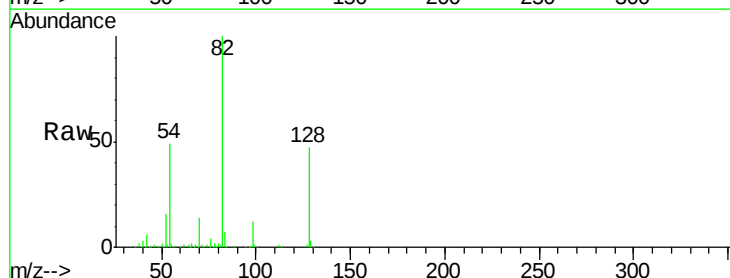
Ion Ratio Lower Upper

70 100

42 43.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

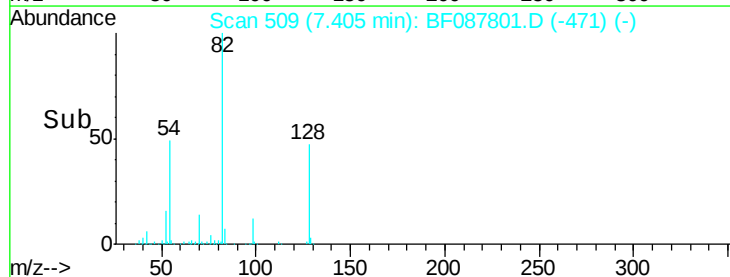
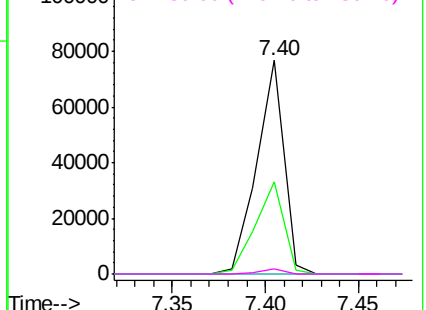


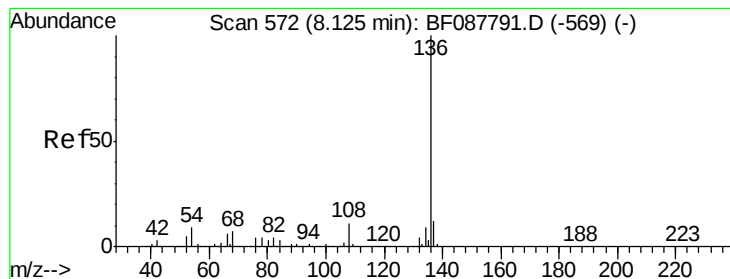
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 572

Delta R.T. 0.00 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

Tgt Ion:136 Resp: 440902

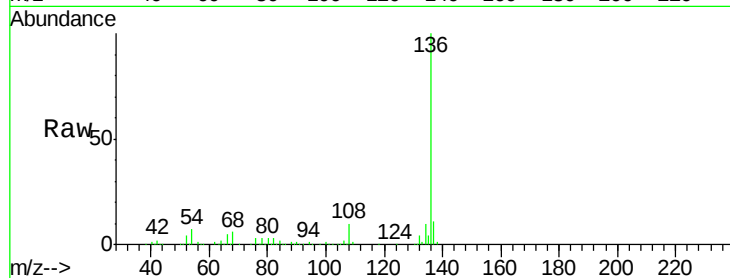
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.8 6.6 10.0

68 5.5 5.1 7.7

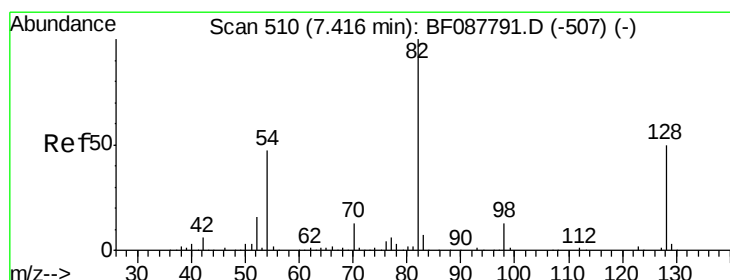
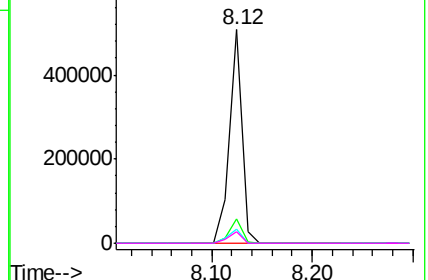
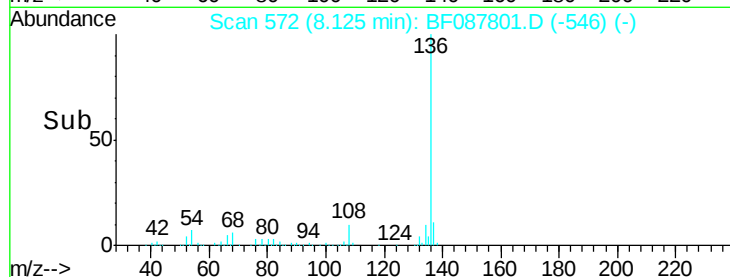


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.39 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

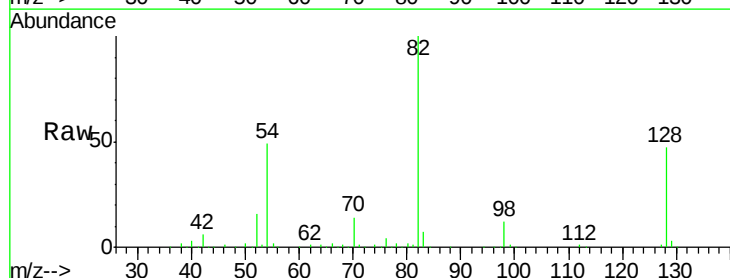
Tgt Ion: 82 Resp: 576791

Ion Ratio Lower Upper

82 100

128 46.6 35.9 53.9

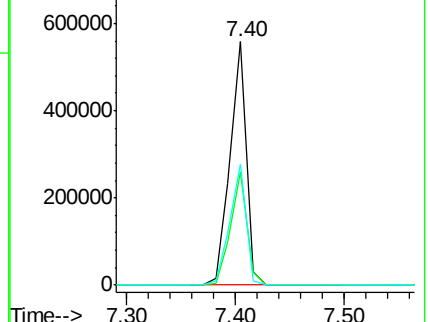
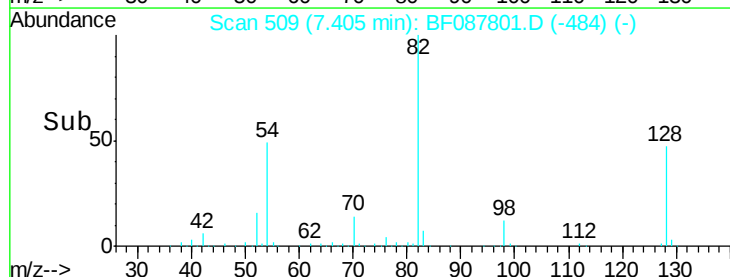
54 49.4 40.9 61.3

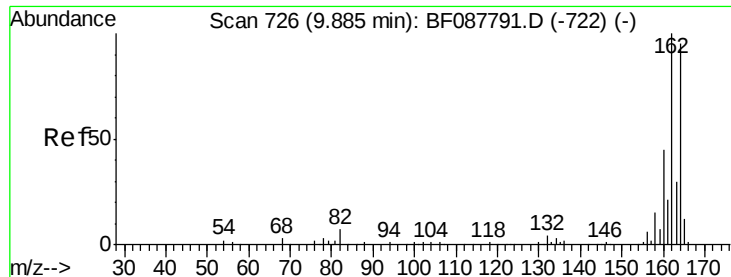


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

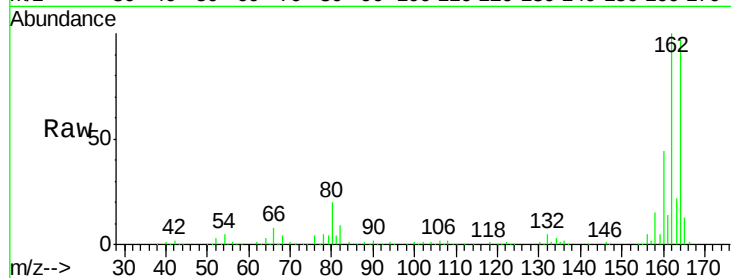
Tgt Ion:164 Resp: 202732

Ion Ratio Lower Upper

164 100

162 103.0 85.4 128.2

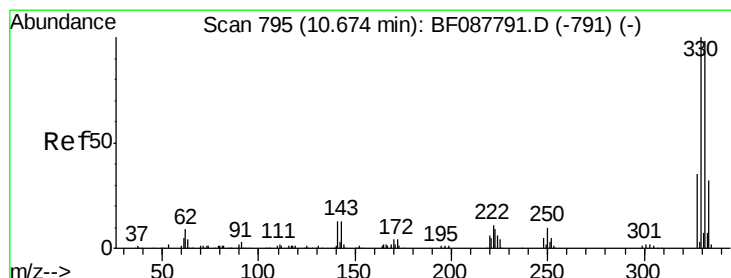
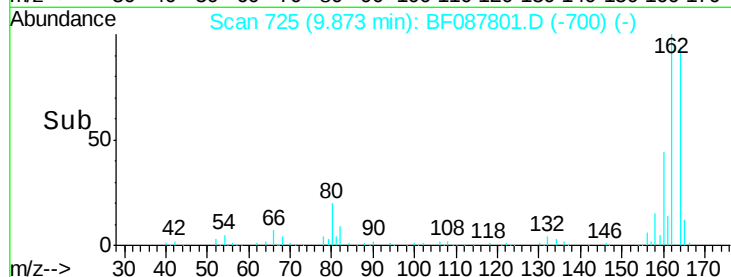
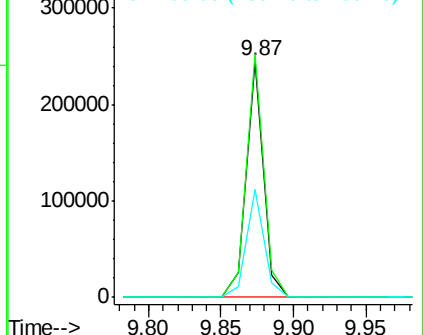
160 45.6 39.5 59.3



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: 107.18 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

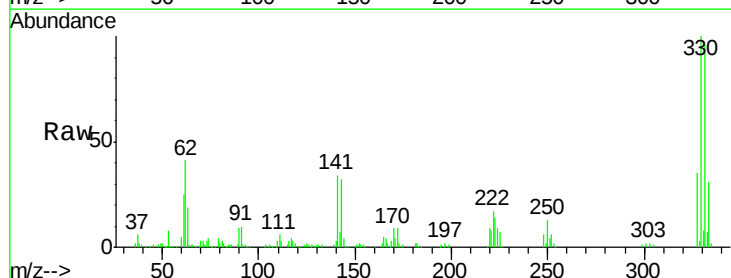
Tgt Ion:330 Resp: 229425

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

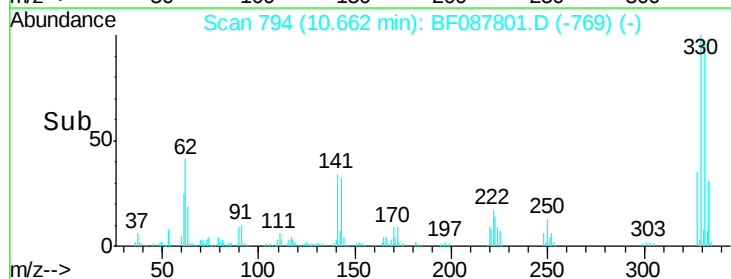
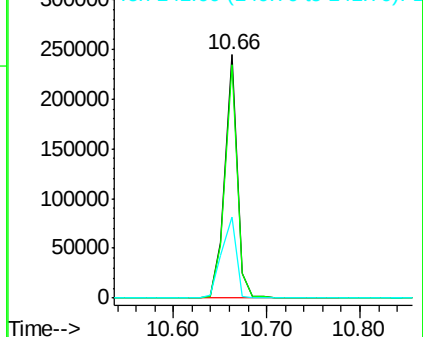
141 39.1 0.0 0.0#

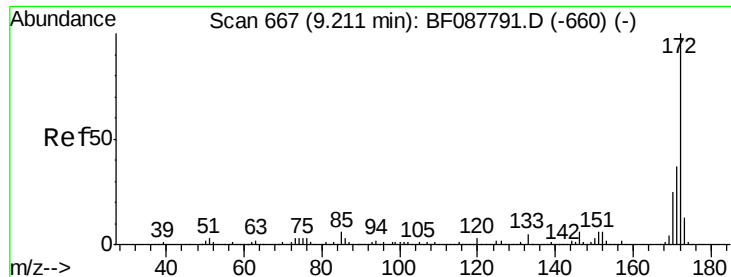


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

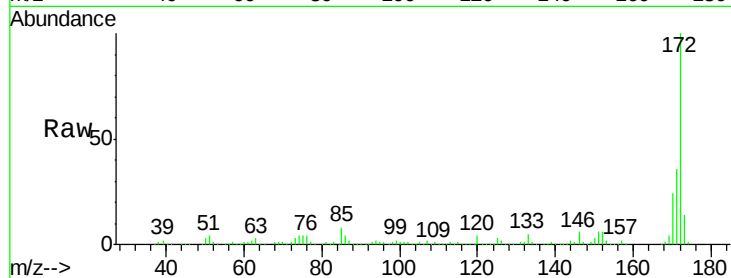




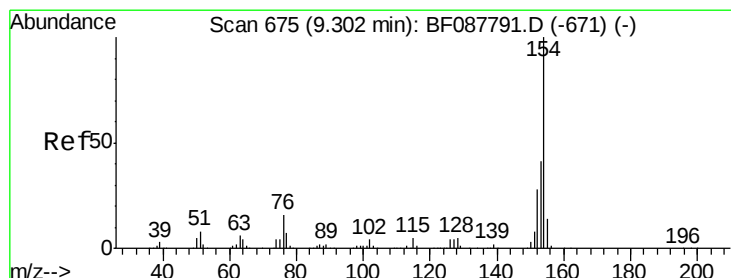
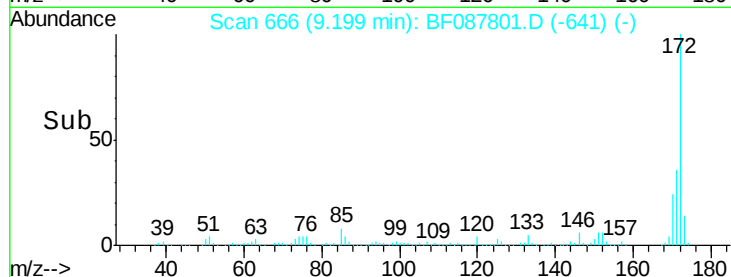
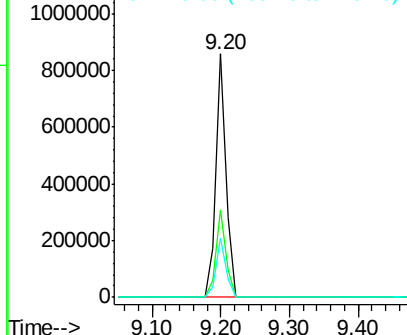
#44
 2-Fluorobiphenyl
 Concen: 69.64 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-3

Tgt Ion:172 Resp: 911595
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.1 19.2 28.8

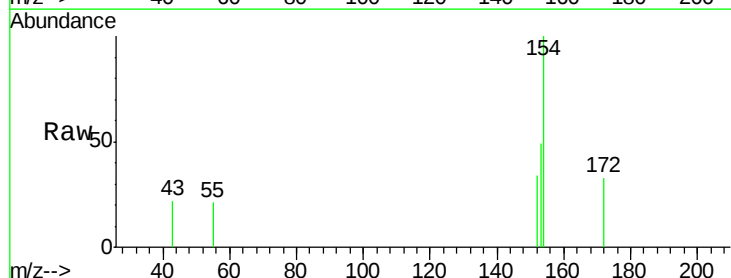


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

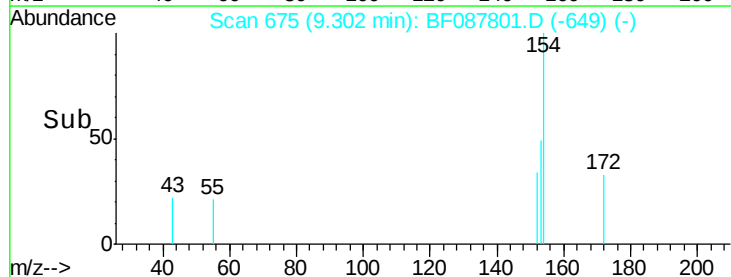
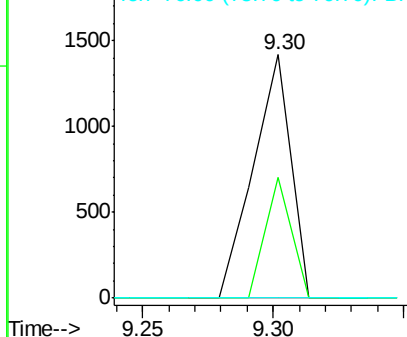


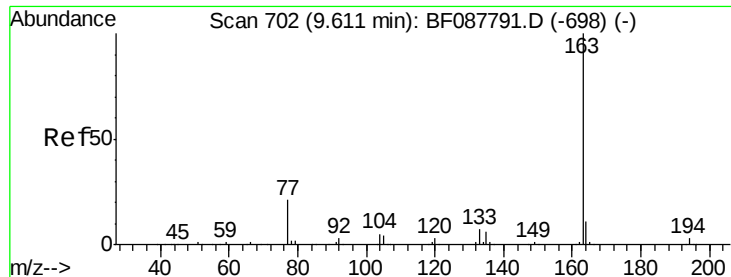
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.30 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Tgt Ion:154 Resp: 1415
 Ion Ratio Lower Upper
 154 100
 153 49.5 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 7.55 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

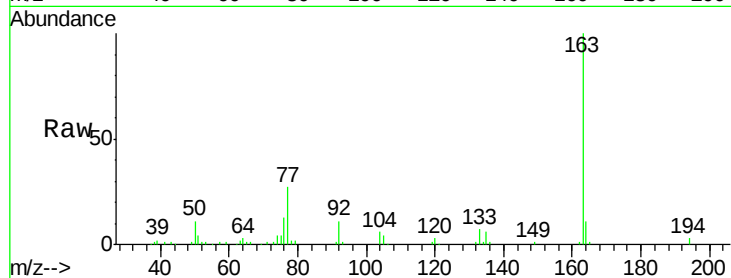
Tgt Ion:163 Resp: 110842

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

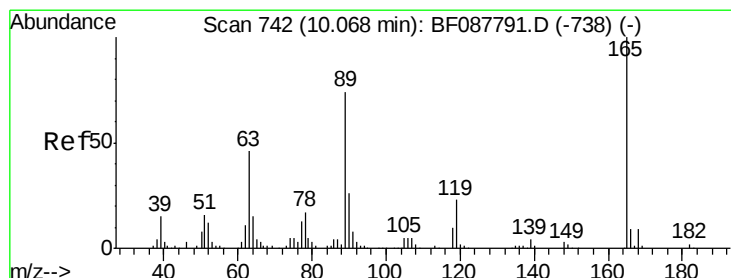
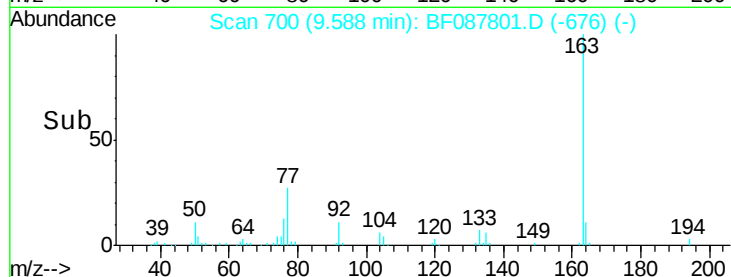
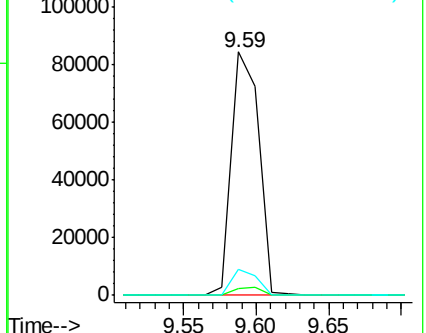
164 10.6 8.3 12.5



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: 6.06 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Tgt Ion:165 Resp: 26213

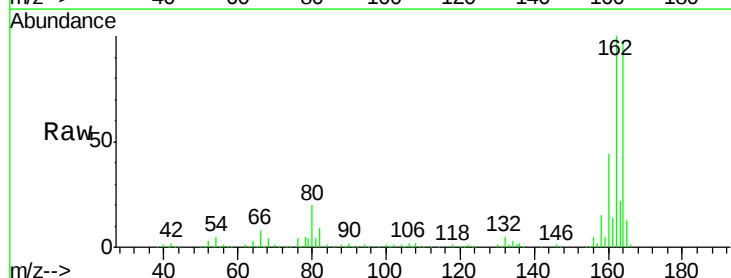
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

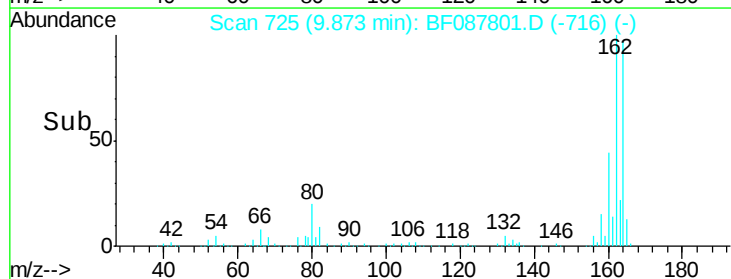
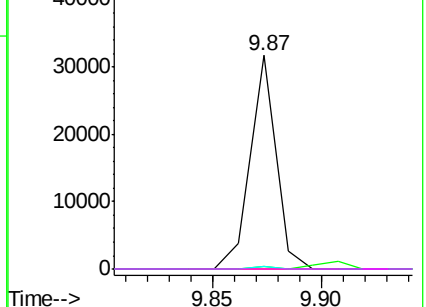


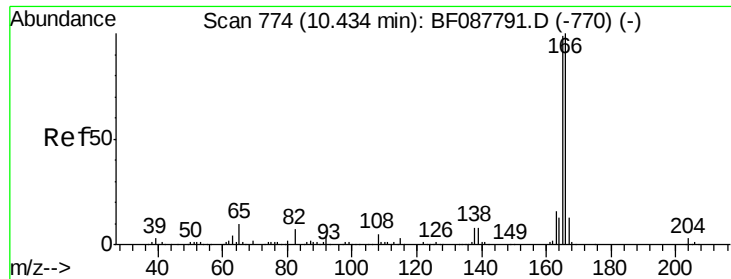
Abundance Ion 165.00 (164.70 to 165.70): E

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

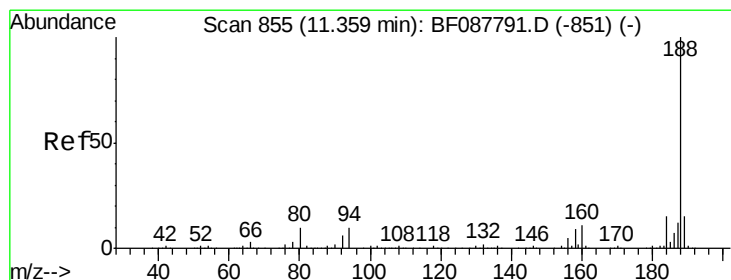
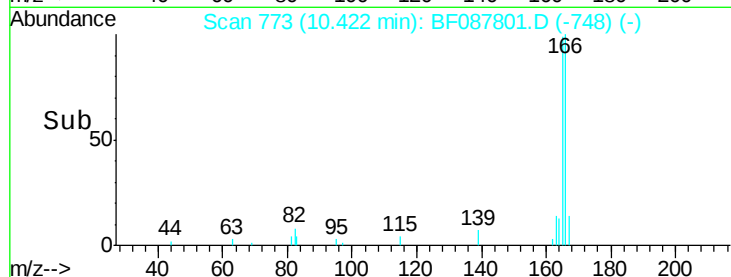
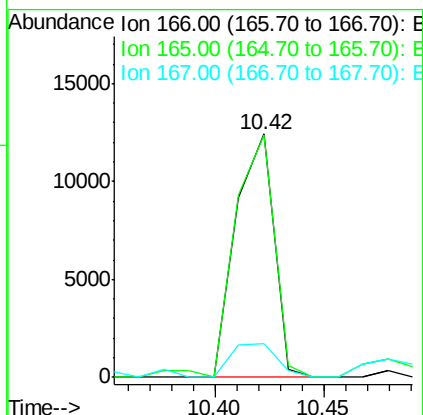
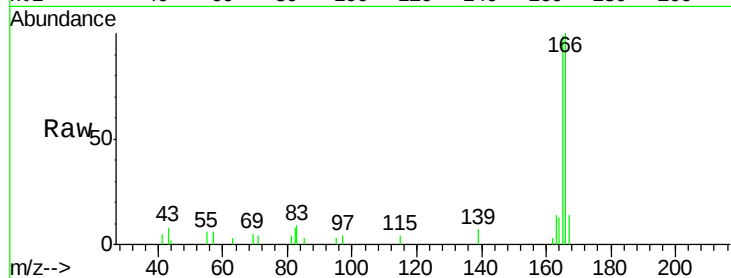




#57
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

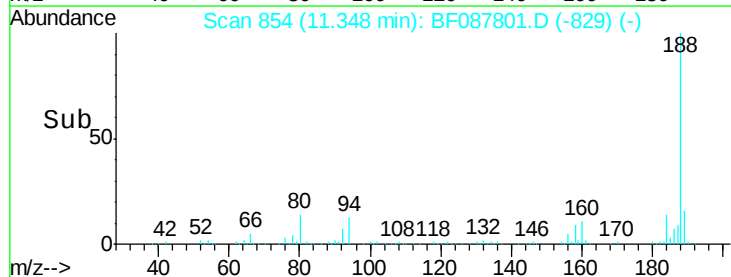
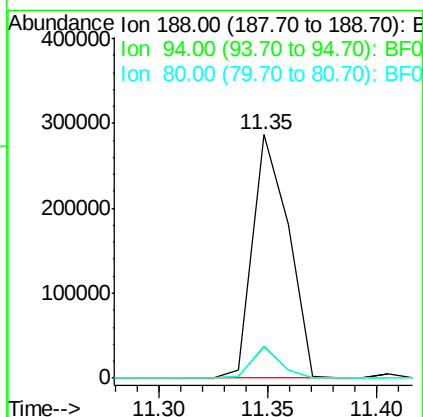
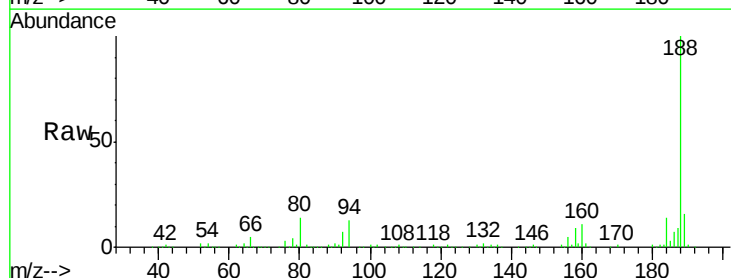
Instrument :
 BNA_F
 ClientSampleId :
 SS-3

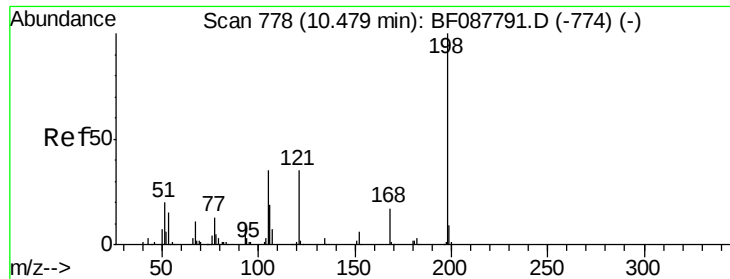
Tgt Ion:166 Resp: 15088
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.8 116.8
 167 13.6 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Tgt Ion:188 Resp: 329329
 Ion Ratio Lower Upper
 188 100
 94 12.6 9.0 13.6
 80 13.5 10.0 15.0

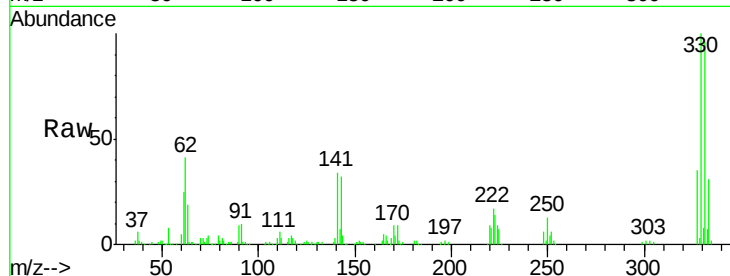




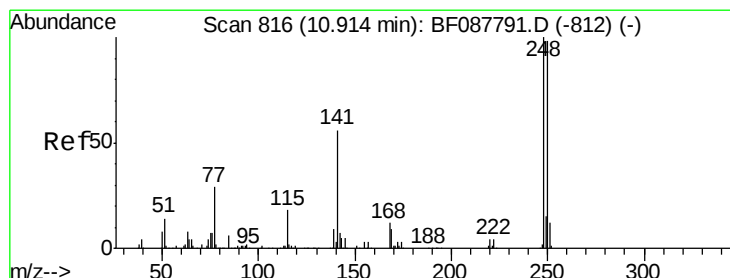
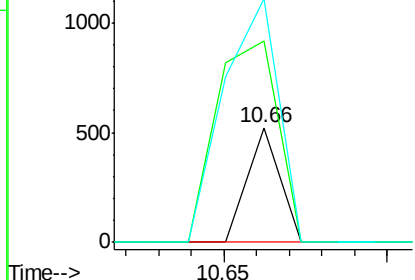
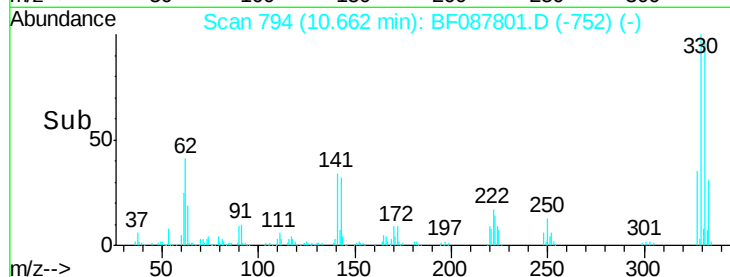
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.33 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.18 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Instrument :
 BNA_F
 ClientSampled :
 SS-3

Tgt Ion:198 Resp: 357
 Ion Ratio Lower Upper
 198 100
 51 175.8 39.6 79.6#
 105 212.9 36.6 76.6#

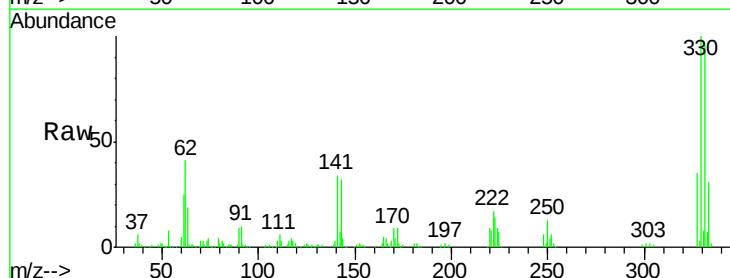


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

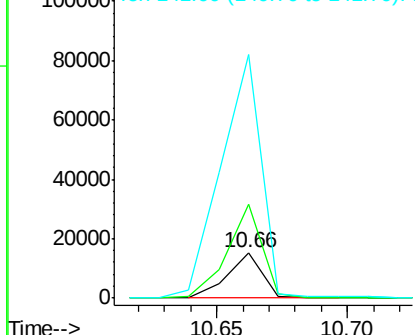
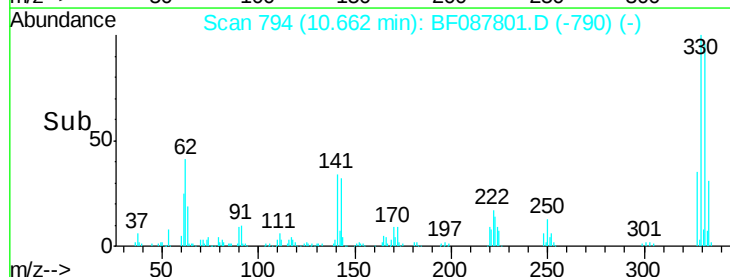


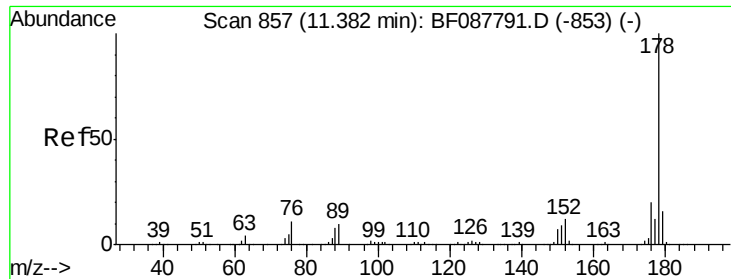
#66
 4-Bromophenyl-phenylether
 Concen: 4.02 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.25 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Tgt Ion:248 Resp: 14193
 Ion Ratio Lower Upper
 248 100
 250 206.2 77.1 115.7#
 141 538.1 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

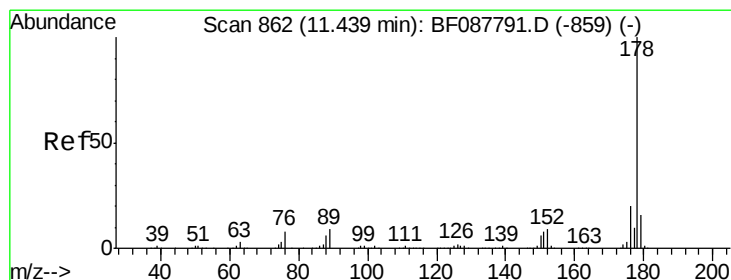
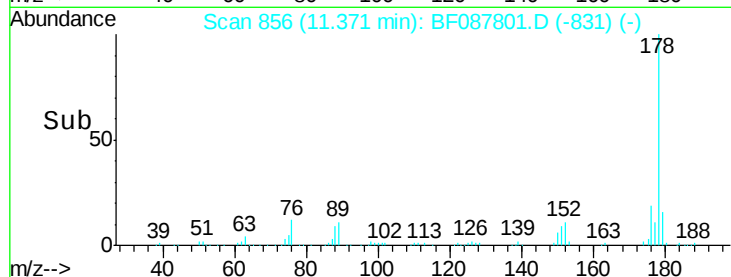
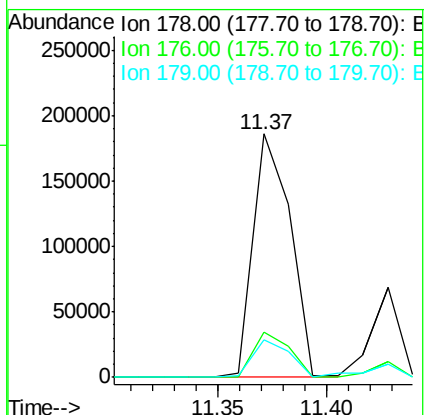
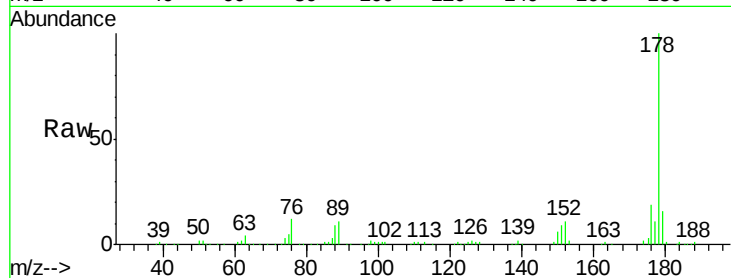




#70
Phenanthrene
Concen: 12.89 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087801.D
Acq: 7 Jun 2016 22:20

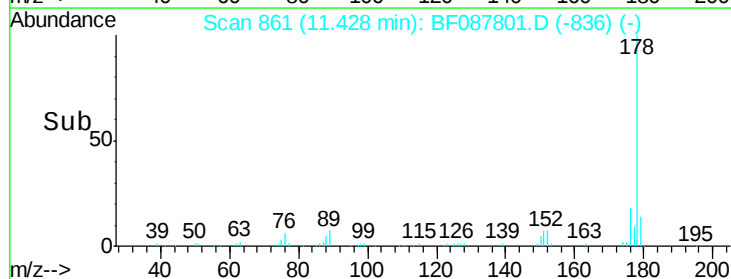
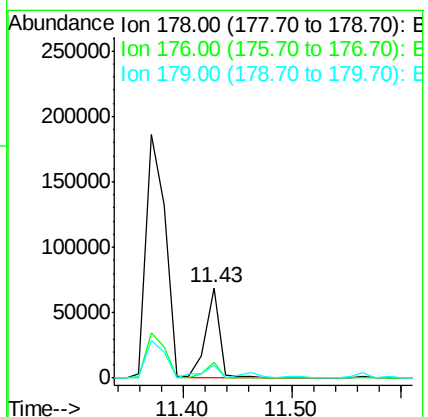
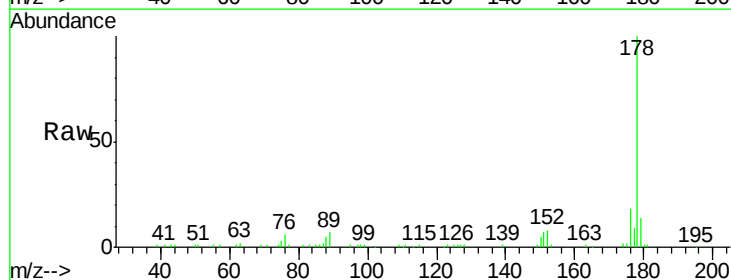
Instrument :
BNA_F
ClientSampleId :
SS-3

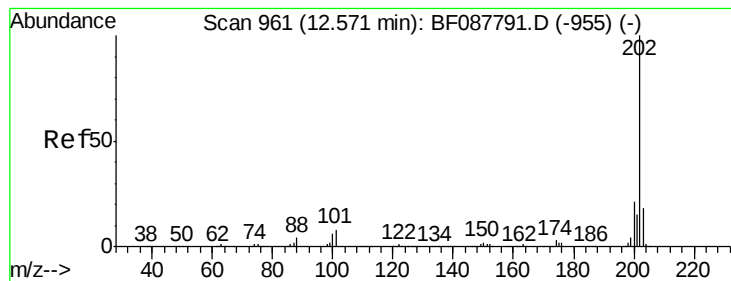
Tgt Ion:178 Resp: 222678
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.5 13.0 19.4



#71
Anthracene
Concen: 3.73 ng
RT: 11.43 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF087801.D
Acq: 7 Jun 2016 22:20

Tgt Ion:178 Resp: 65008
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 14.5 12.8 19.2





#74

Fluoranthene

Concen: 17.29 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

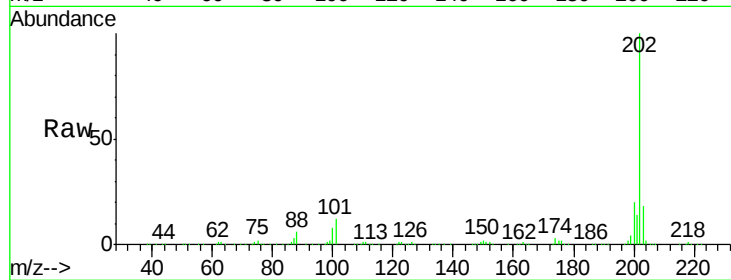
Tgt Ion:202 Resp: 315309

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.1

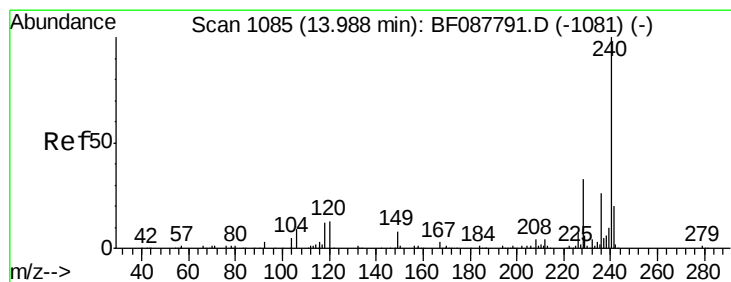
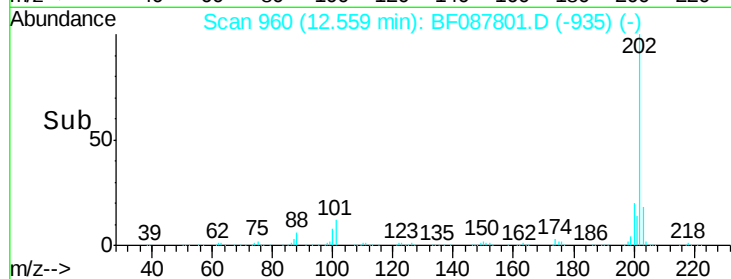
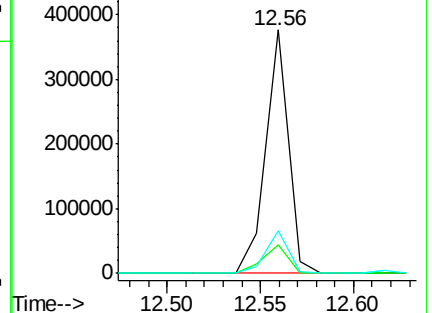
203 17.6 0.0 38.1



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: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

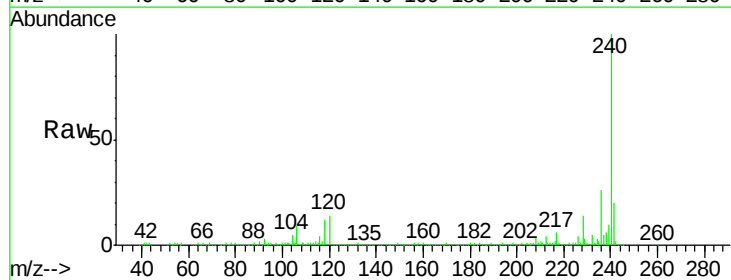
Tgt Ion:240 Resp: 226560

Ion Ratio Lower Upper

240 100

120 14.0 6.8 10.2#

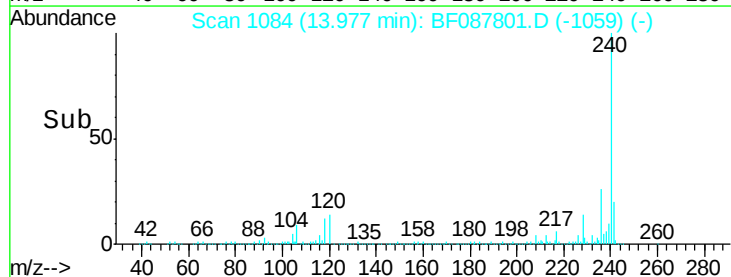
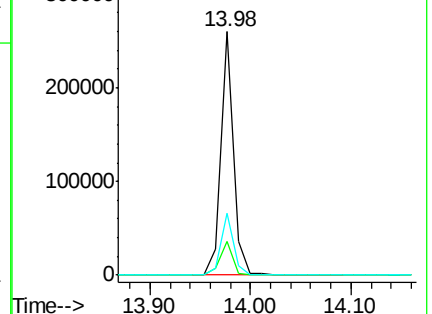
236 25.5 20.2 30.2

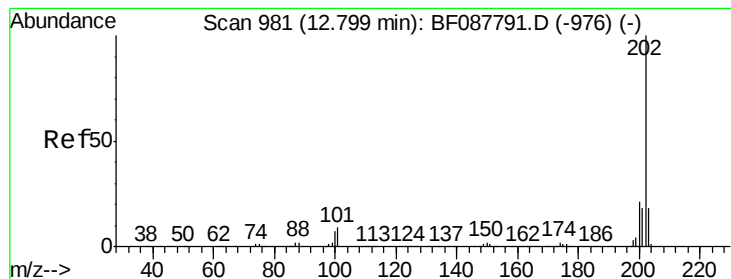


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 17.47 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

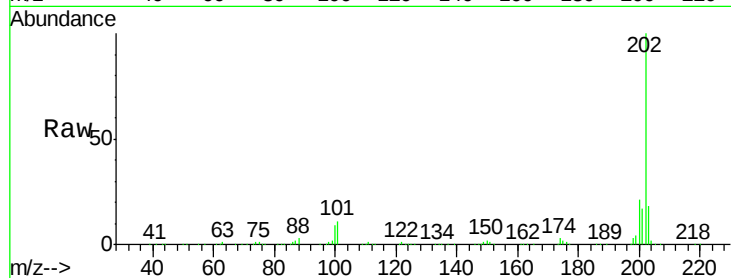
Tgt Ion:202 Resp: 293750

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

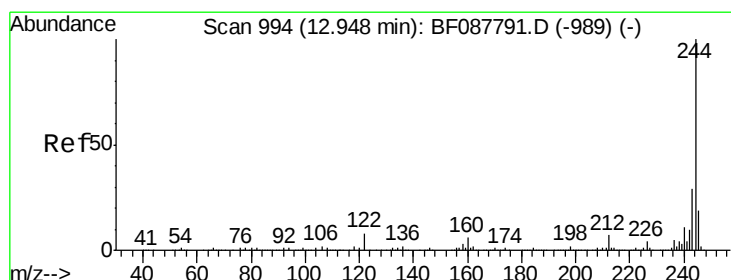
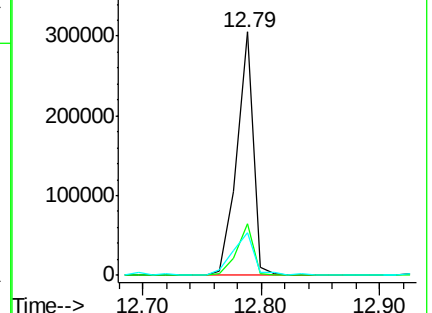
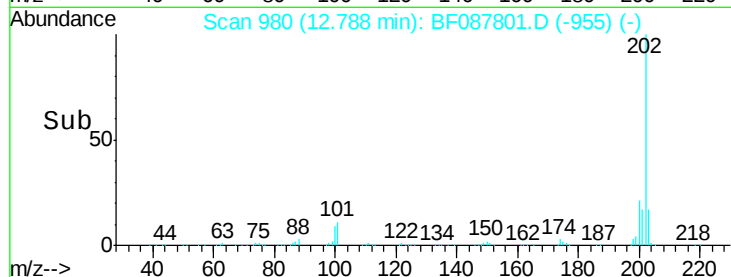
203 17.7 14.5 21.7



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: 69.19 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

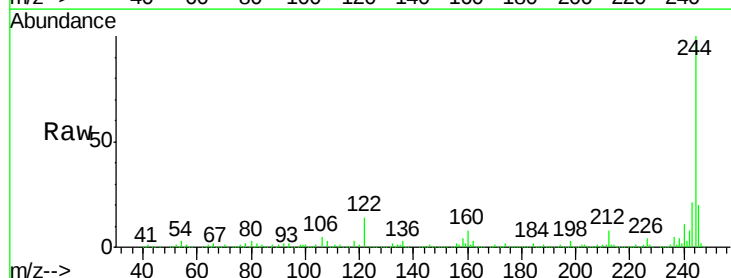
Tgt Ion:244 Resp: 688918

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

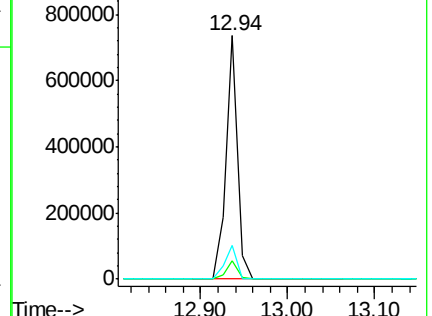
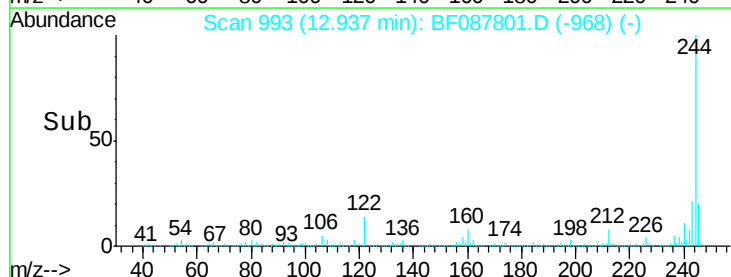
122 13.6 11.2 16.8

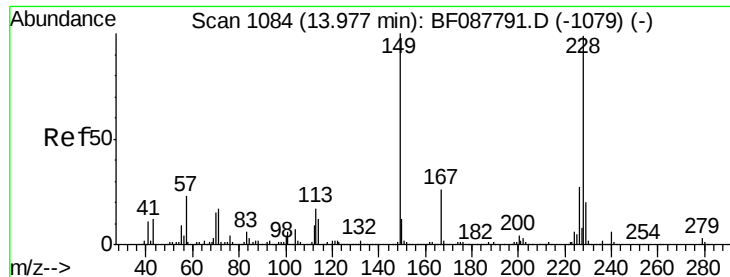


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.94 ng

RT: 13.97 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampleId :

SS-3

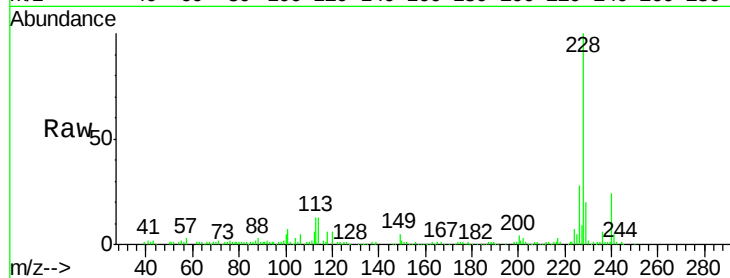
Tgt Ion:228 Resp: 141287

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

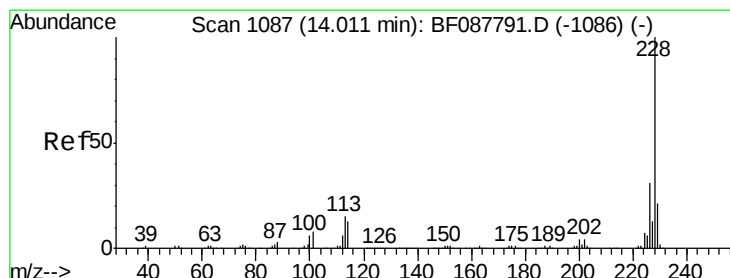
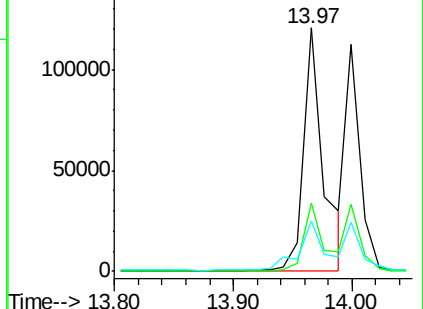
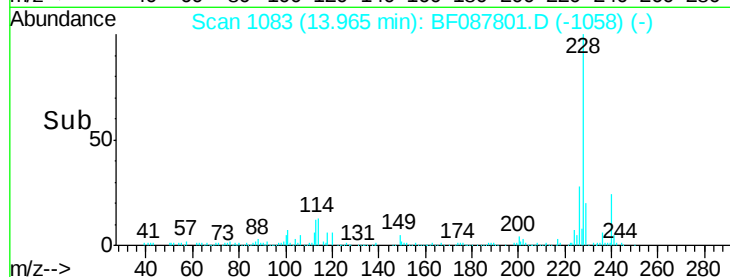
229 20.5 16.0 24.0



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: 7.95 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

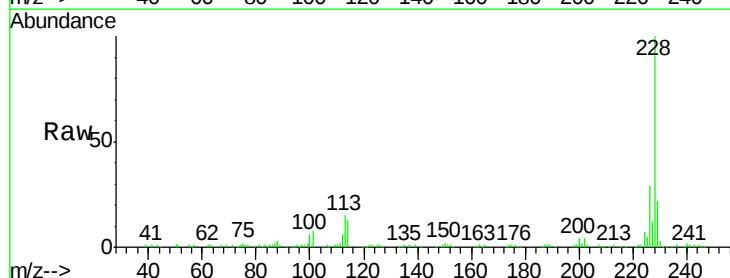
Tgt Ion:228 Resp: 96615

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.2

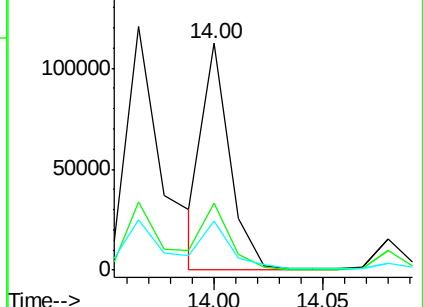
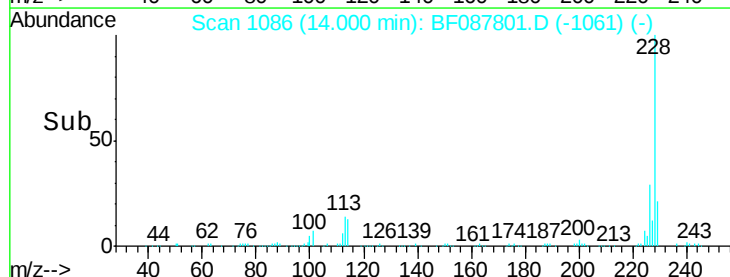
229 21.9 16.3 24.5

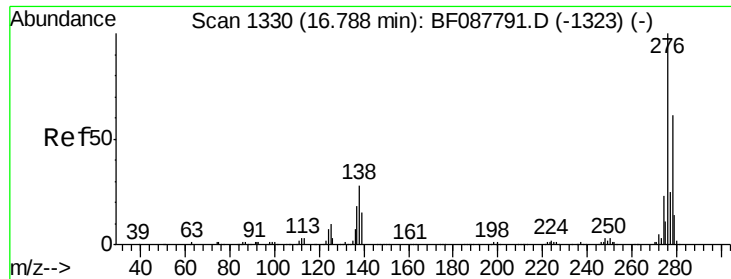


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

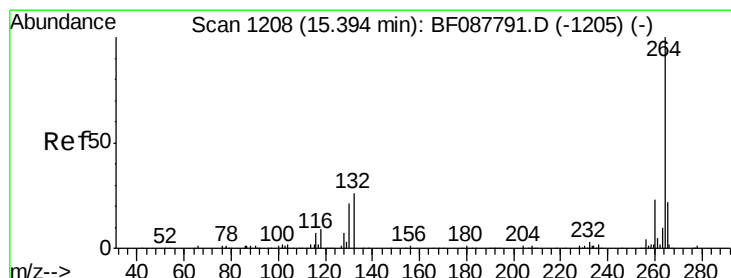
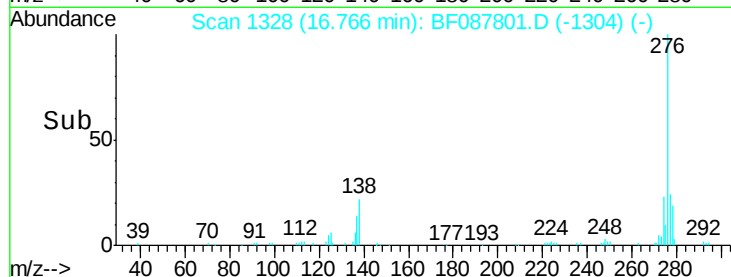
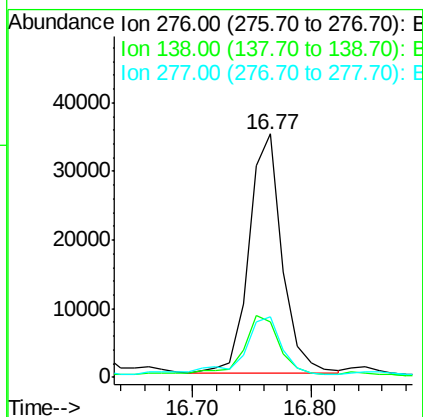
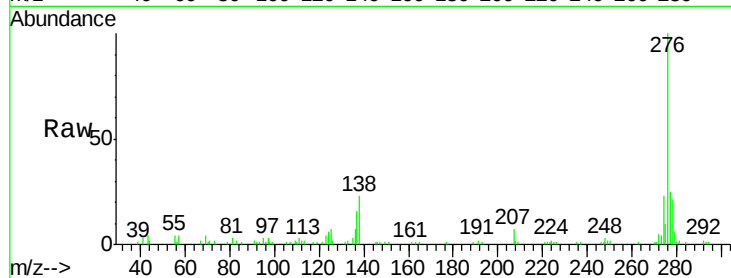




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.03 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

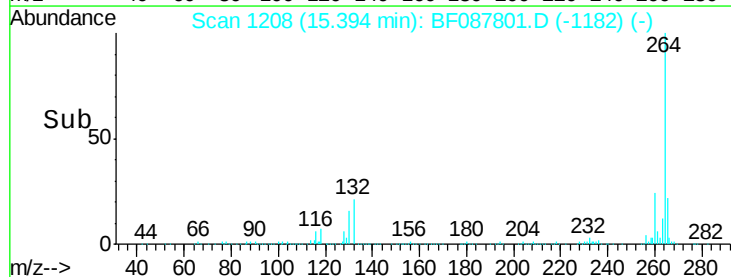
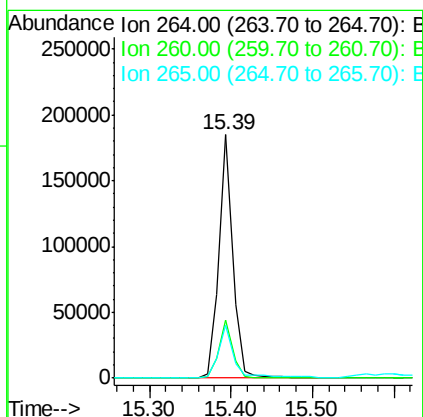
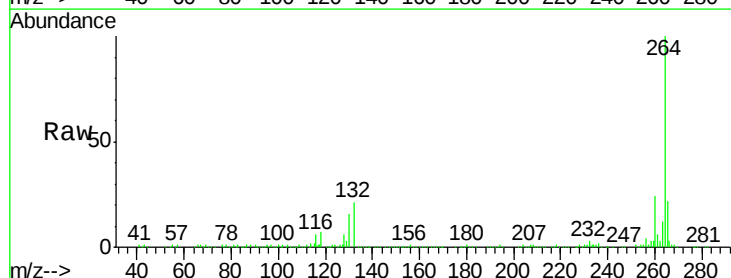
Instrument :
 BNA_F
 ClientSampleId :
 SS-3

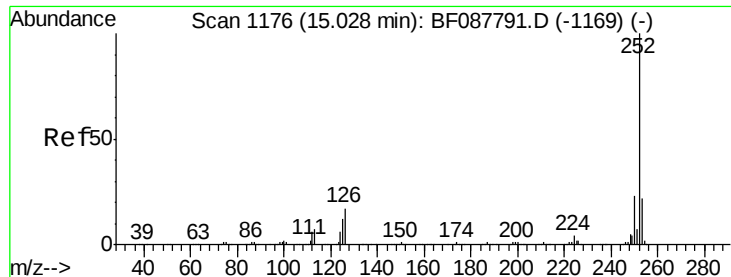
Tgt Ion: 276 Resp: 68056
 Ion Ratio Lower Upper
 276 100
 138 28.7 0.0 0.0#
 277 31.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF087801.D
 Acq: 7 Jun 2016 22:20

Tgt Ion: 264 Resp: 220537
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.9 16.9 25.3

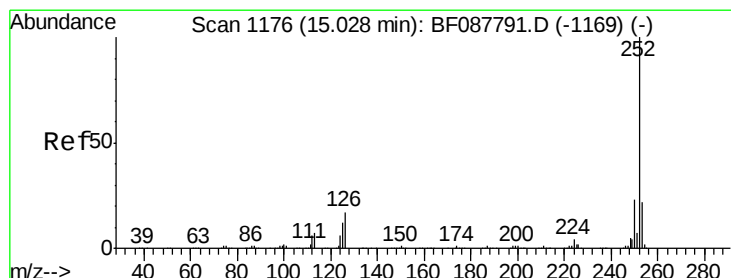
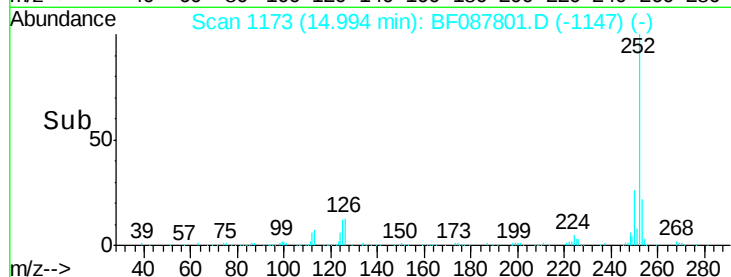
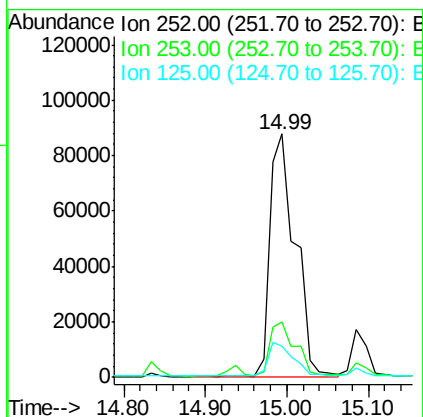
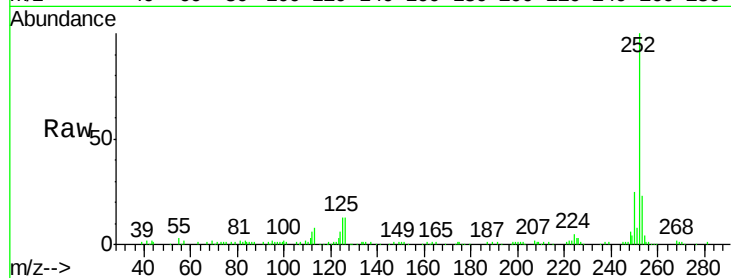




#87
Benzo(b)fluoranthene
Concen: 12.57 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF087801.D
Acq: 7 Jun 2016 22:20

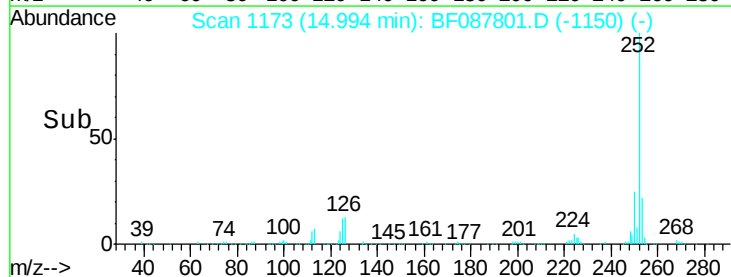
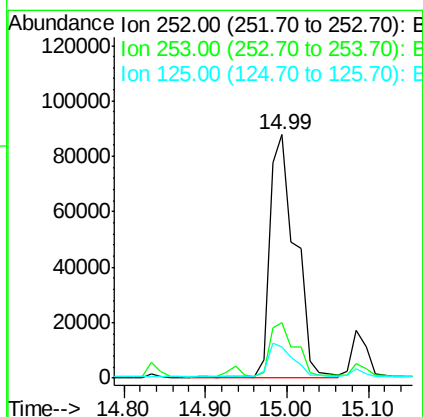
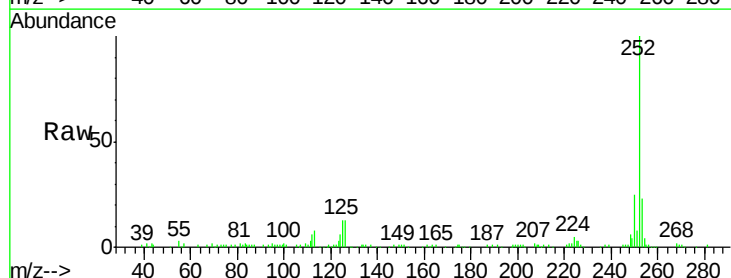
Instrument :
BNA_F
ClientSampleId :
SS-3

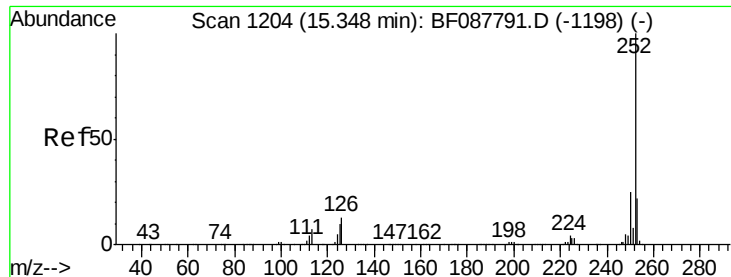
Tgt Ion:252 Resp: 193223
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 13.0 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 16.66 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF087801.D
Acq: 7 Jun 2016 22:20

Tgt Ion:252 Resp: 193223
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 13.0 11.2 16.8





#89

Benzo(a)pyrene

Concen: 8.77 ng

RT: 15.34 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

Instrument :

BNA_F

ClientSampled :

SS-3

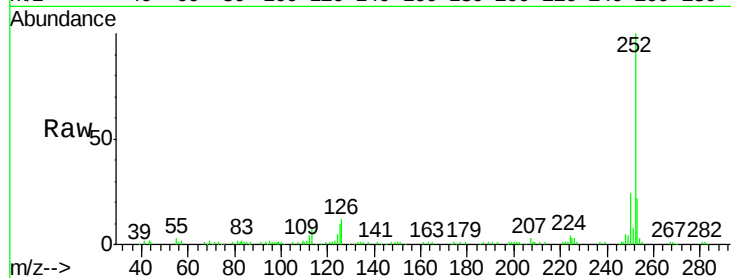
Tgt Ion:252 Resp: 109072

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

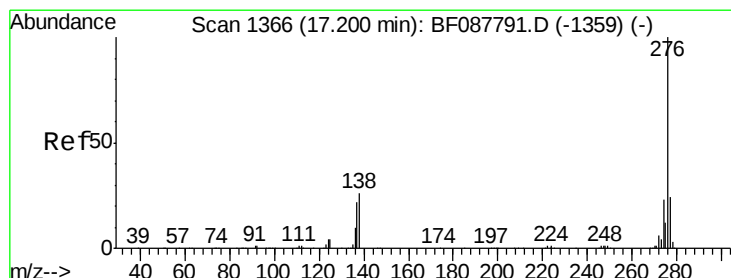
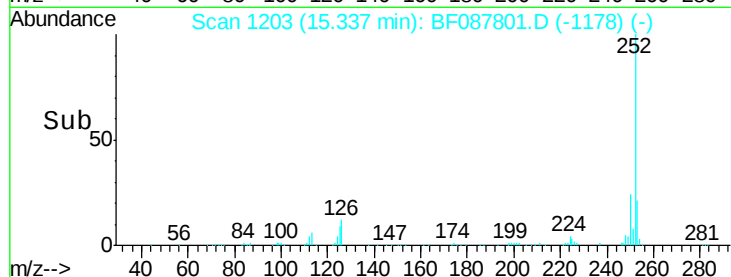
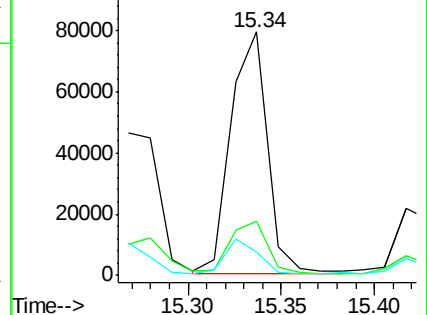
125 9.8 12.5 18.7#



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: 5.67 ng

RT: 17.18 min Scan# 1364

Delta R.T. -0.02 min

Lab File: BF087801.D

Acq: 7 Jun 2016 22:20

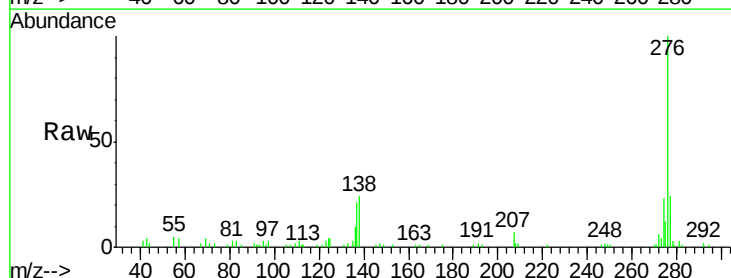
Tgt Ion:276 Resp: 67336

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 23.7 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

