

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087872.D
 Acq On : 10 Jun 2016 14:03
 Operator : UM/SJ
 Sample : H3426-05 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-51

Quant Time: Jun 10 15:44:03 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

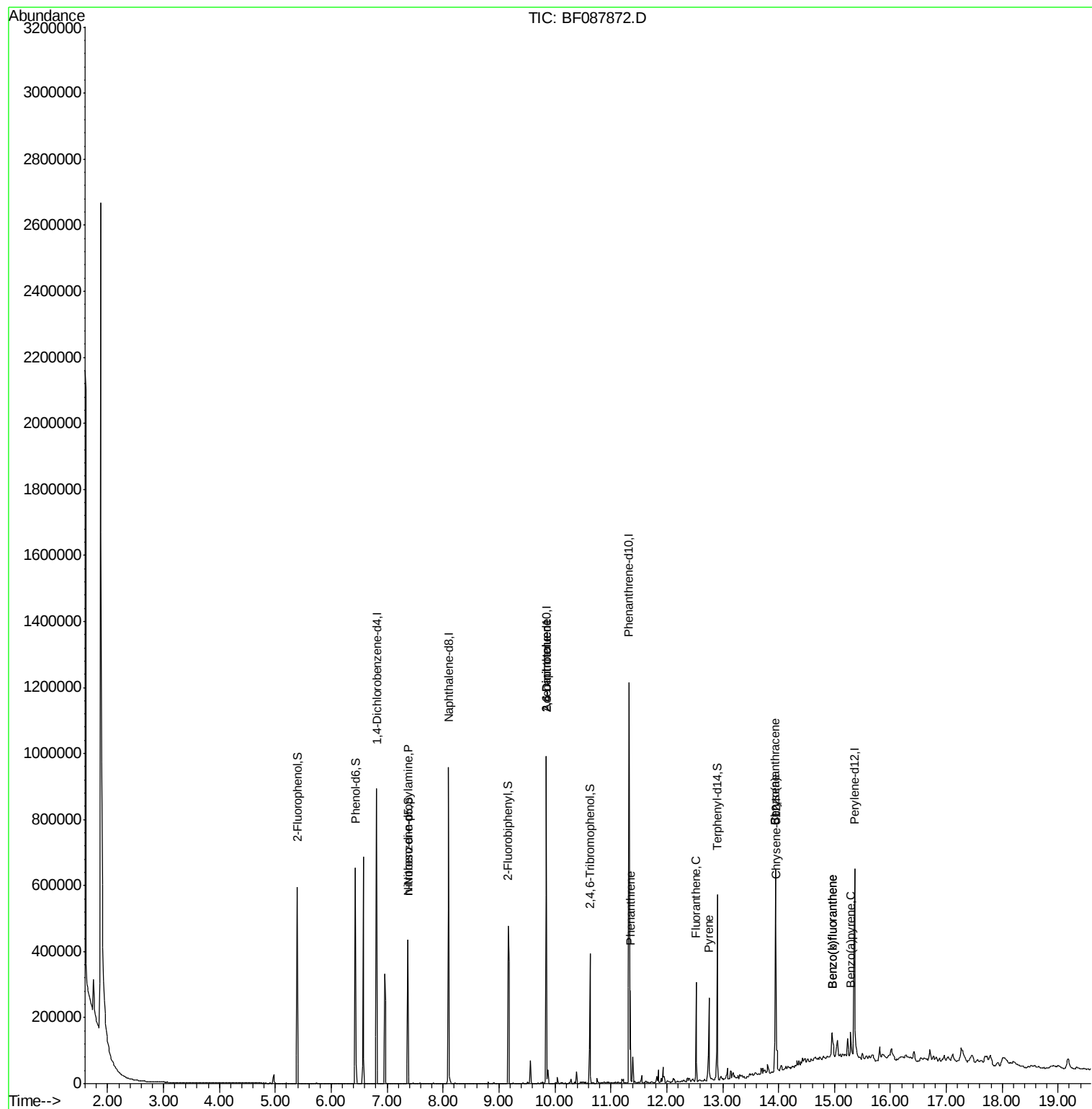
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	130406	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	535532	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	233639	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	422269	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	238771	20.00	ng	-0.03
86) Perylene-d12	15.36	264	257357	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	157476	20.64	ng	-0.03
7) Phenol-d6	6.43	99	199710	21.60	ng	-0.05
23) Nitrobenzene-d5	7.37	82	123482	13.46	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	44438	18.01	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	211302	9.27	ng	-0.05
78) Terphenyl-d14	12.90	244	157336	14.99	ng	-0.05
Target Compounds						
10) Phenol	6.44	94	1850	Below Cal	#	57
19) n-Nitroso-di-n-propylamine	7.37	70	16002	2.71 ng	#	73
45) 1,1'-Biphenyl	9.27	154	721	Below Cal		88
50) 2,6-Dinitrotoluene	9.85	165	29418	7.59 ng	#	39
56) 2,4-Dinitrotoluene	9.85	165	29418	5.91 ng	#	38
57) Fluorene	10.39	166	9907	Below Cal		96
70) Phenanthrene	11.35	178	105816	4.78 ng		98
74) Fluoranthene	12.53	202	111479	4.77 ng		98
77) Pyrene	12.75	202	96784	5.46 ng		98
80) Benzo(a)anthracene	13.94	228	39684	2.92 ng		98
82) Chrysene	13.94	228	39684	3.10 ng		94
87) Benzo(b)fluoranthene	14.96	252	59840	3.34 ng	#	91
88) Benzo(k)fluoranthene	14.96	252	59840	4.42 ng		97
89) Benzo(a)pyrene	15.29	252	33015	2.27 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: 6.81 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SS-51

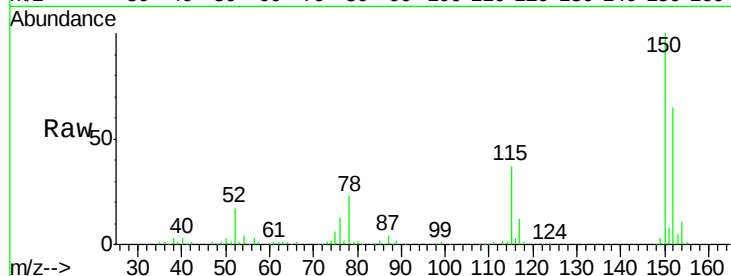
Tgt Ion:152 Resp: 130406

Ion Ratio Lower Upper

152 100

150 153.6 123.8 185.6

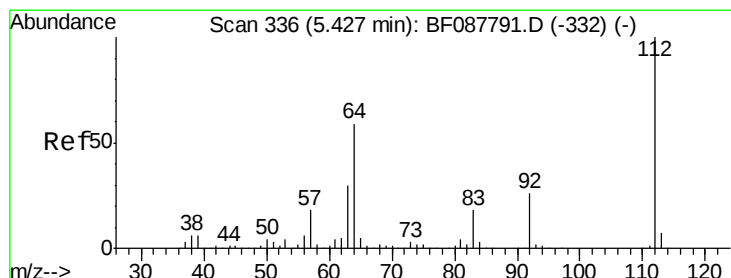
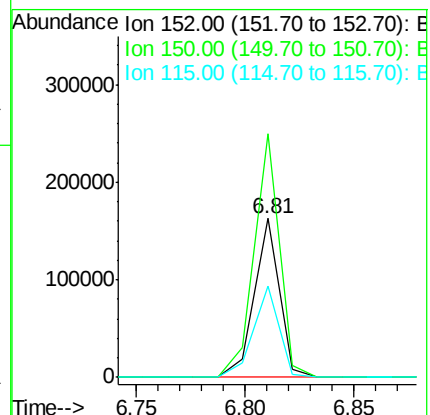
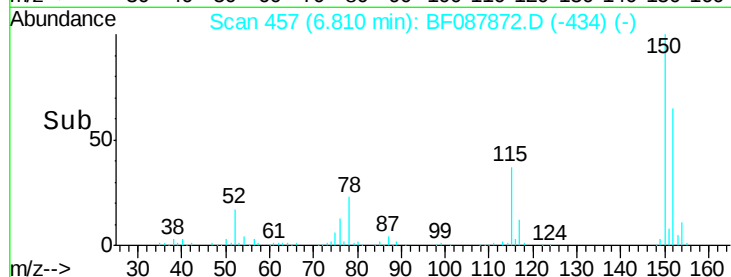
115 57.4 39.6 59.4



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: 20.64 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

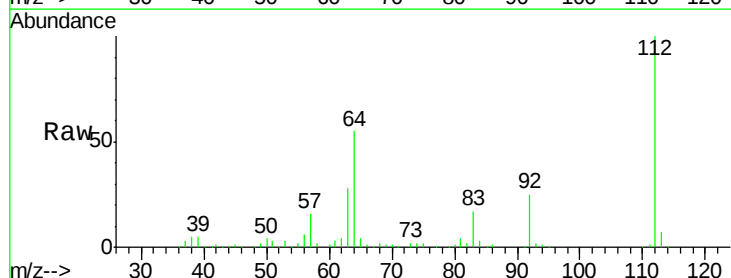
Tgt Ion:112 Resp: 157476

Ion Ratio Lower Upper

112 100

64 54.6 42.2 63.2

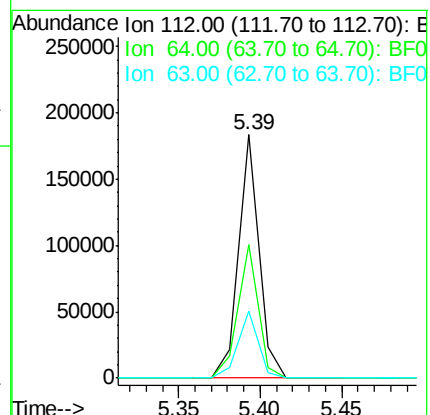
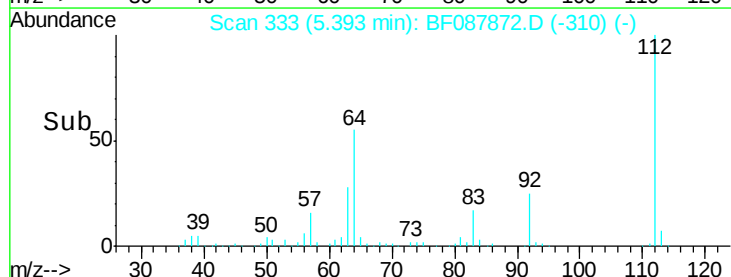
63 27.7 21.8 32.8



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: 21.60 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SS-51

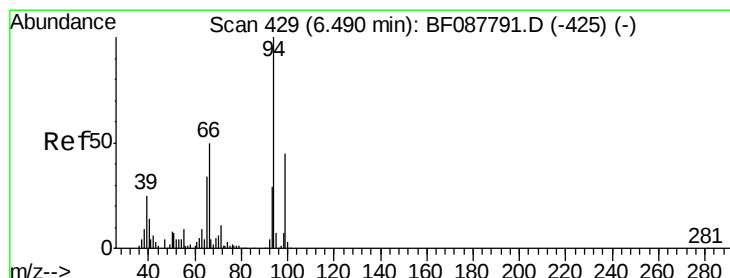
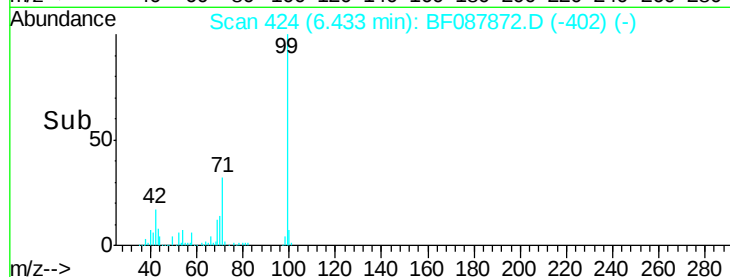
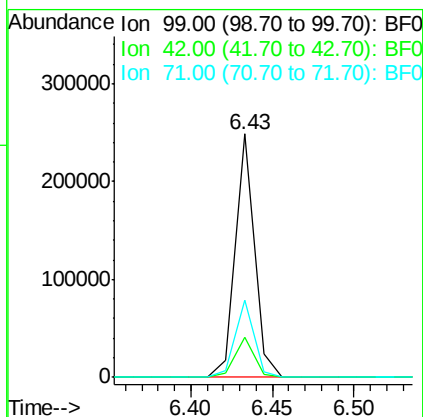
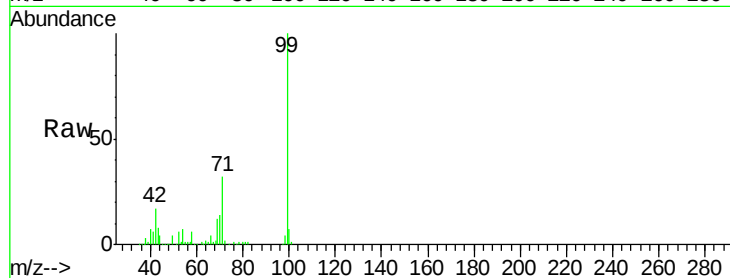
Tgt Ion: 99 Resp: 199710

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

71 31.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

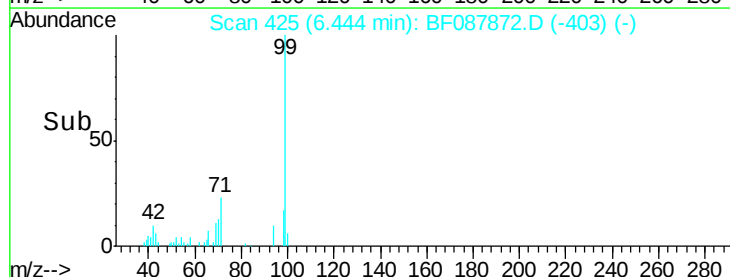
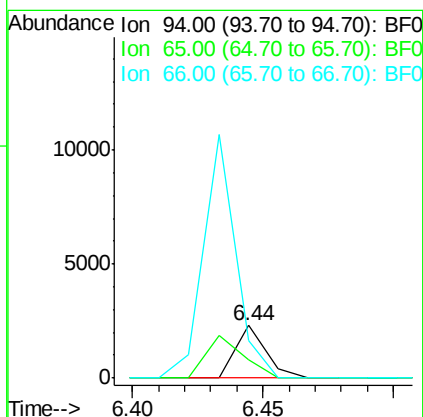
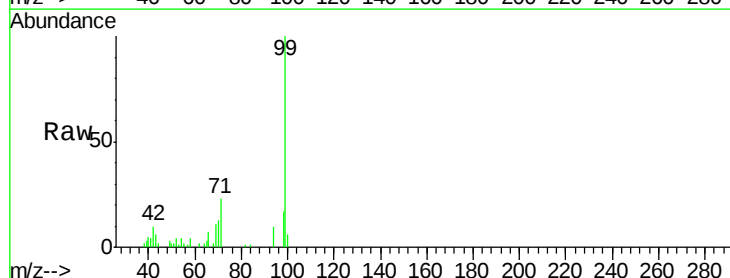
Tgt Ion: 94 Resp: 1850

Ion Ratio Lower Upper

94 100

65 34.7 5.9 45.9

66 70.0 14.0 54.0#

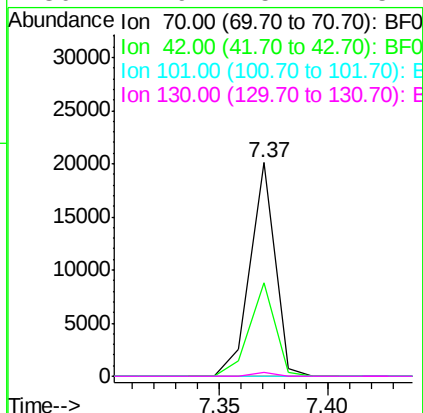
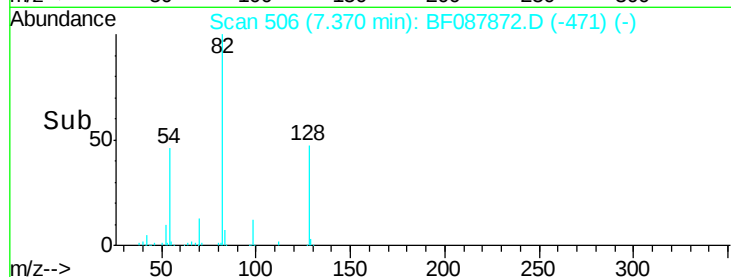
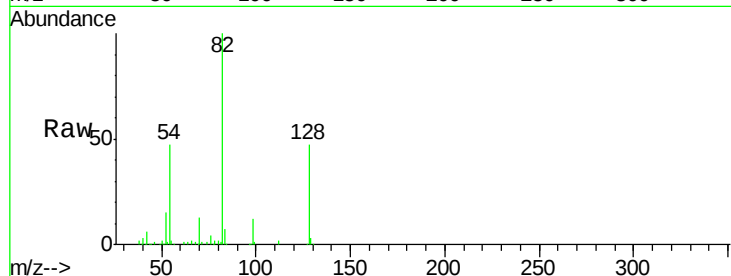




#19
n-Nitroso-di-n-propylamine
Concen: 2.71 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

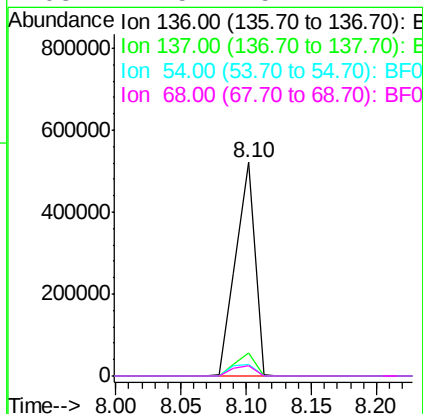
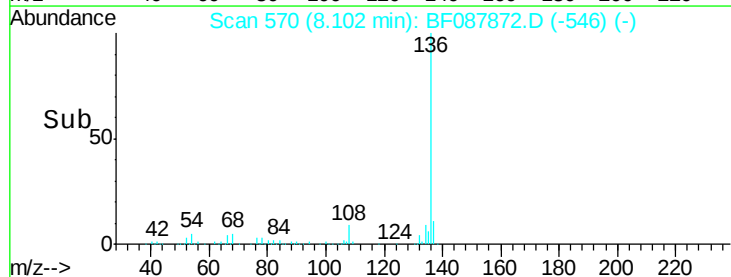
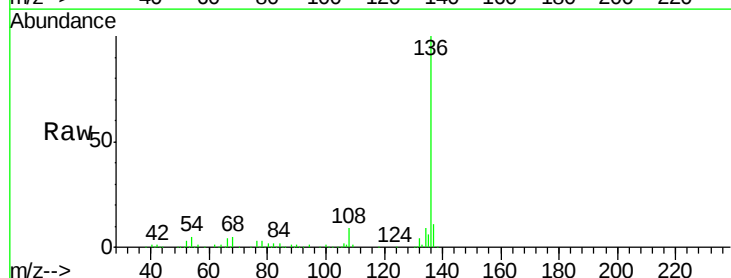
Instrument :
BNA_F
ClientSampleId :
SS-51

Tgt Ion: 70 Resp: 16002
Ion Ratio Lower Upper
70 100
42 43.8 49.6 74.4#
101 0.0 7.1 10.7#
130 1.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

Tgt Ion: 136 Resp: 535532
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.3 6.6 10.0#
68 4.5 5.1 7.7#

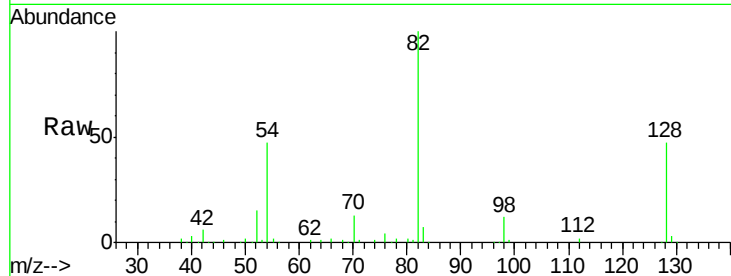




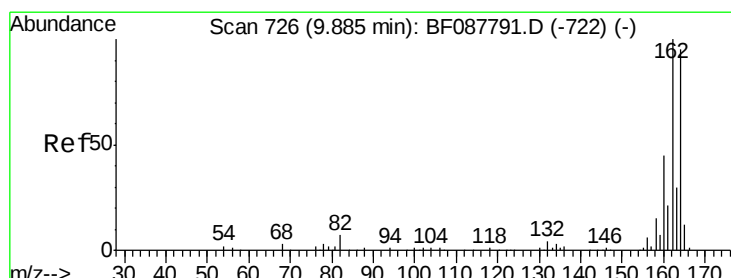
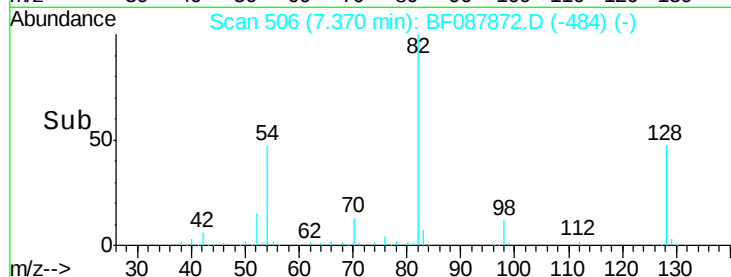
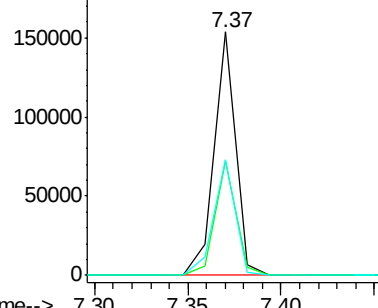
#23
 Nitrobenzene-d5
 Concen: 13.46 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SS-51

Tgt Ion: 82 Resp: 123482
 Ion Ratio Lower Upper
 82 100
 128 46.7 35.9 53.9
 54 47.3 40.9 61.3

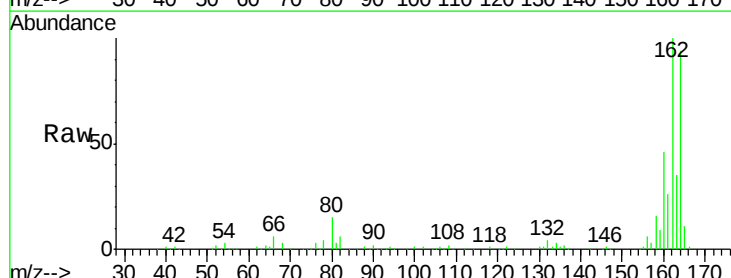


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

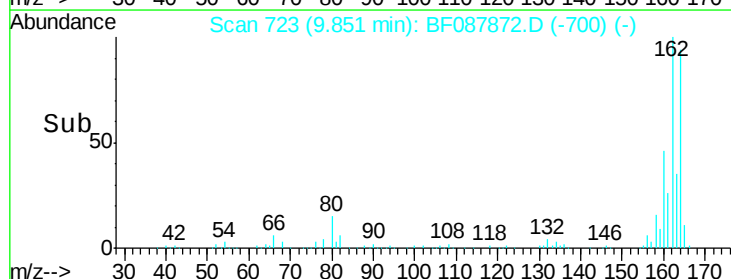
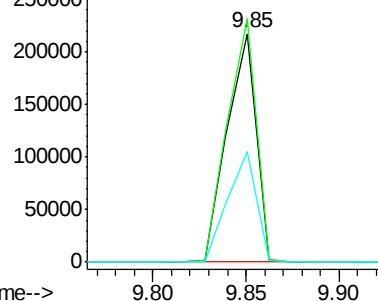


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

Tgt Ion: 164 Resp: 233639
 Ion Ratio Lower Upper
 164 100
 162 106.4 85.4 128.2
 160 48.4 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

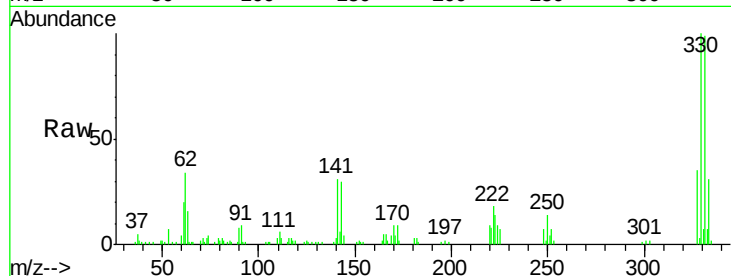




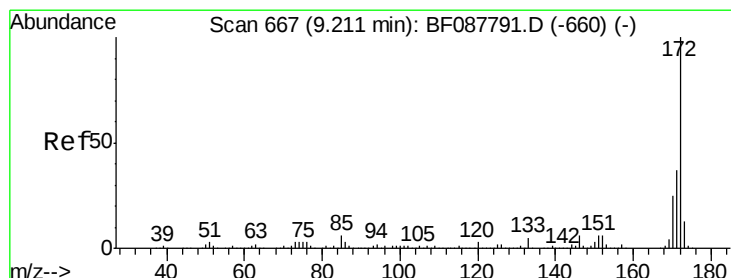
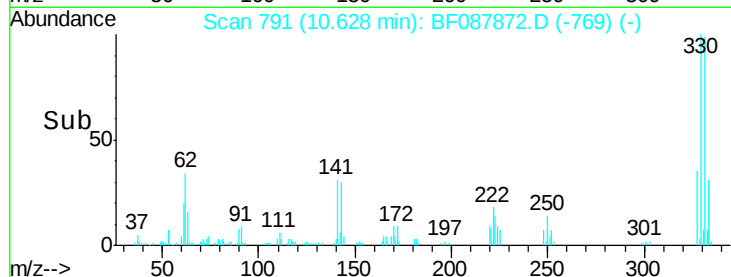
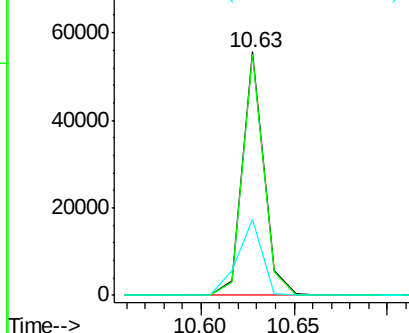
#41
 2,4,6-Tribromophenol
 Concen: 18.01 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 SS-51

Tgt Ion:330 Resp: 44438
 Ion Ratio Lower Upper
 330 100
 332 97.9 0.0 0.0#
 141 36.3 0.0 0.0#

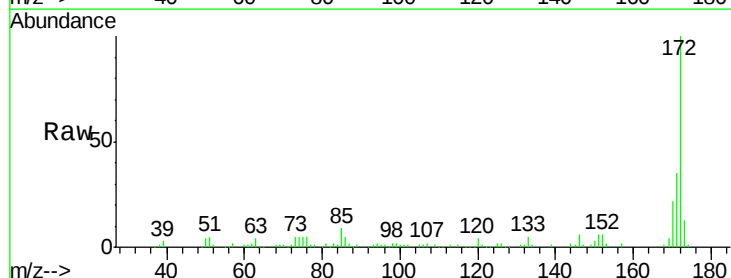


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

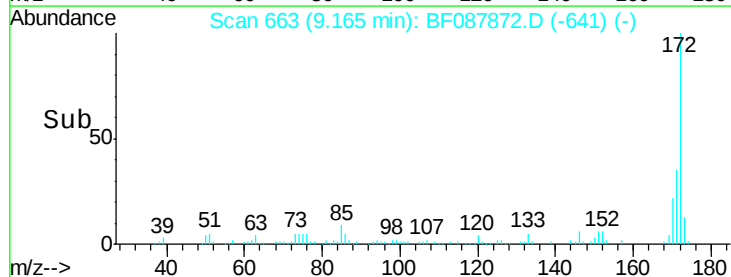
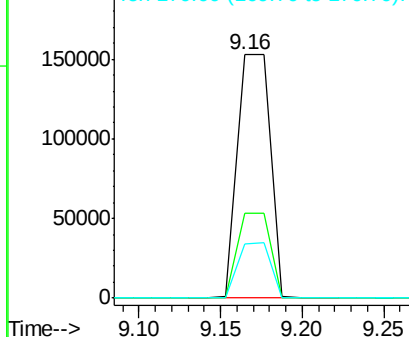


#44
 2-Fluorobiphenyl
 Concen: 9.27 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

Tgt Ion:172 Resp: 211302
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 22.4 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: 9.27 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampled :

SS-51

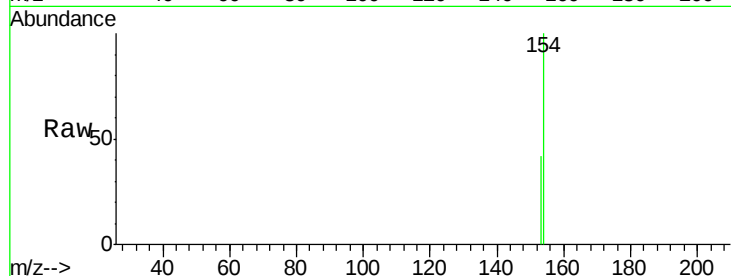
Tgt Ion:154 Resp: 721

Ion Ratio Lower Upper

154 100

153 42.3 20.6 60.6

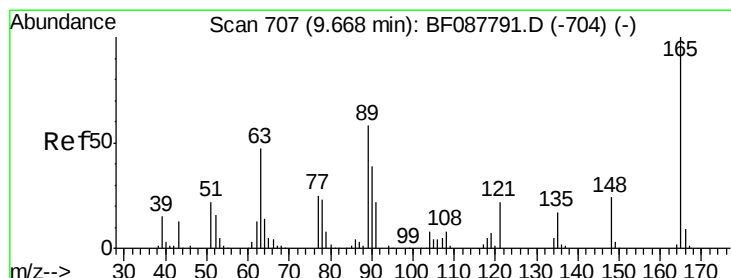
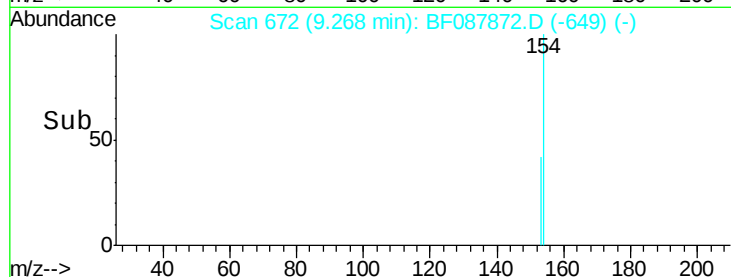
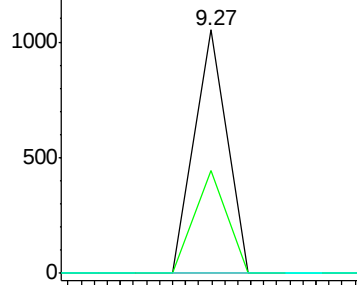
76 0.0 0.0 35.1



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



#50

2,6-Dinitrotoluene

Concen: 7.59 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

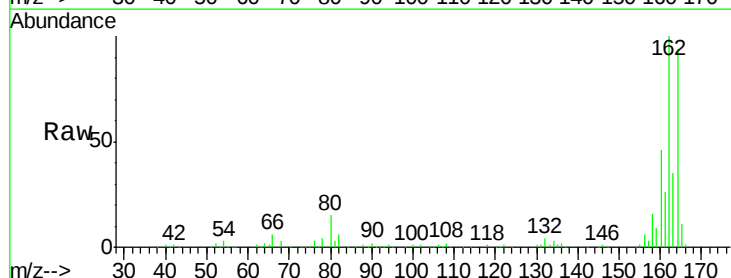
Tgt Ion:165 Resp: 29418

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

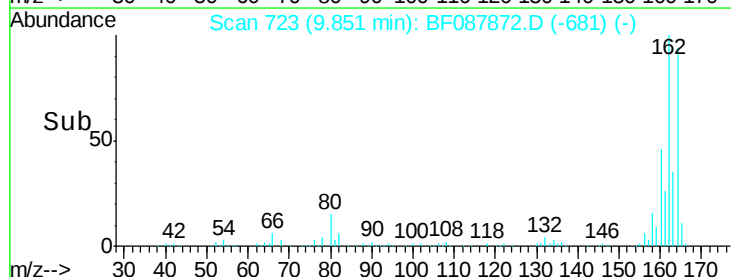
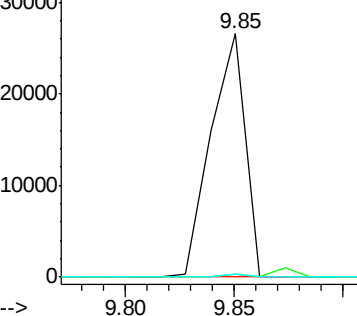
89 1.5 32.2 48.2#



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

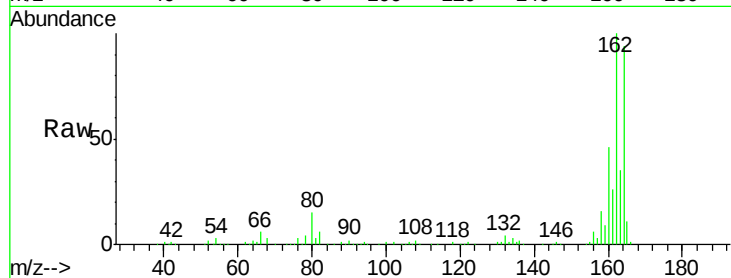




#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

Instrument :
BNA_F
ClientSampleId :
SS-51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#

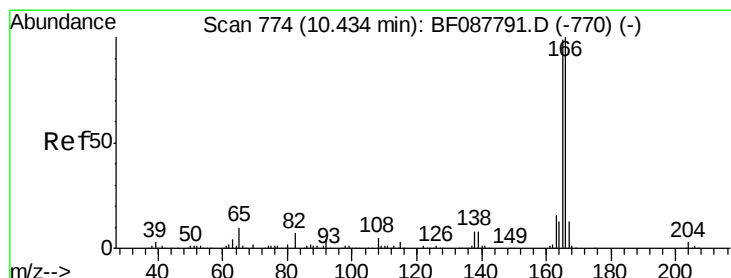
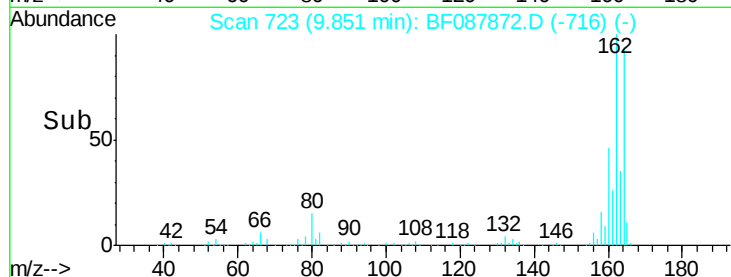
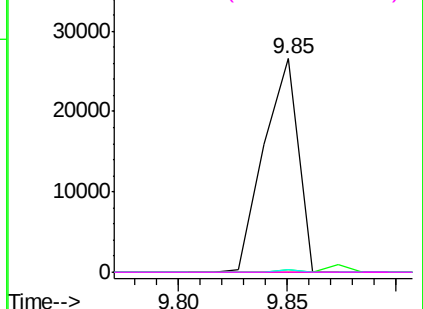


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

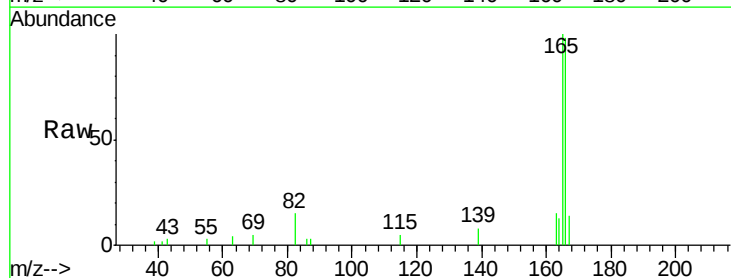
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

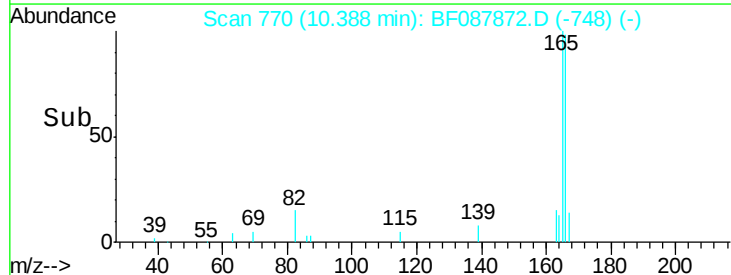
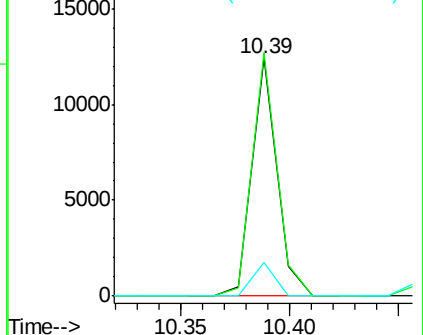
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	77.8	116.8
167	14.0	11.2	16.8

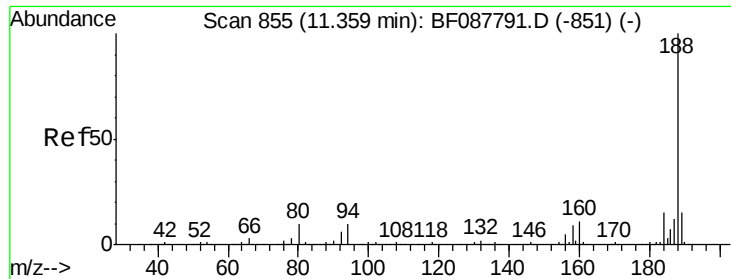


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

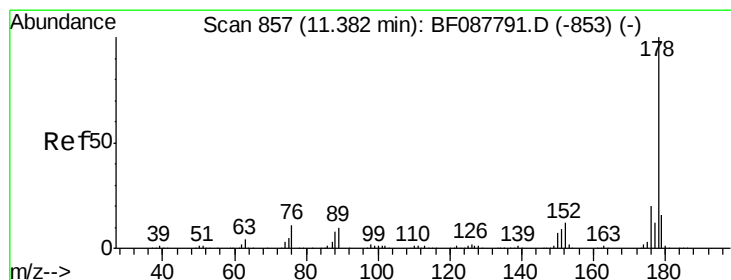
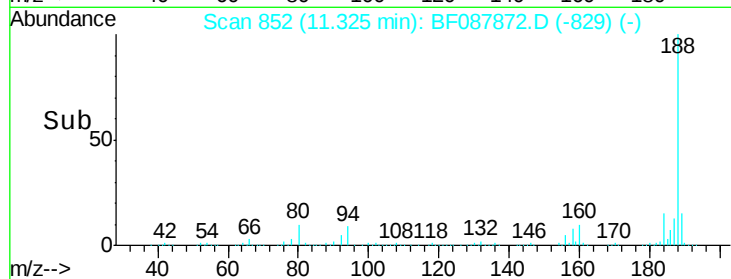
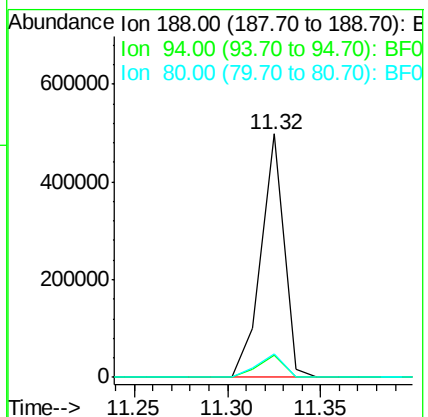
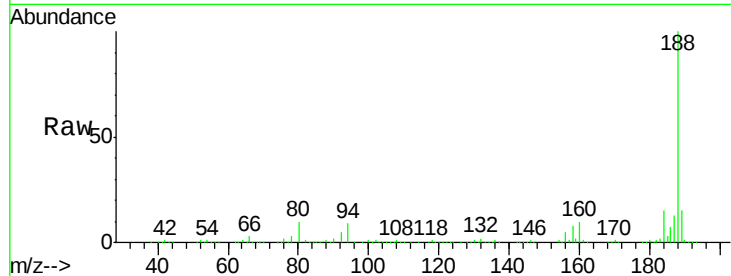




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

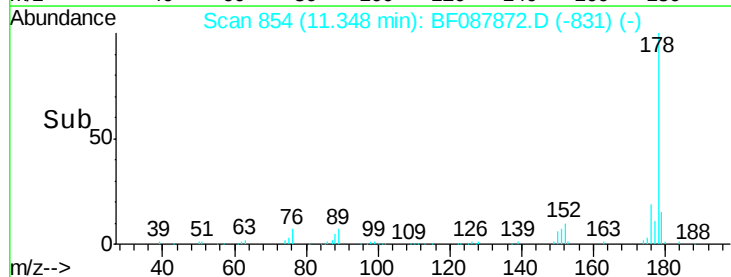
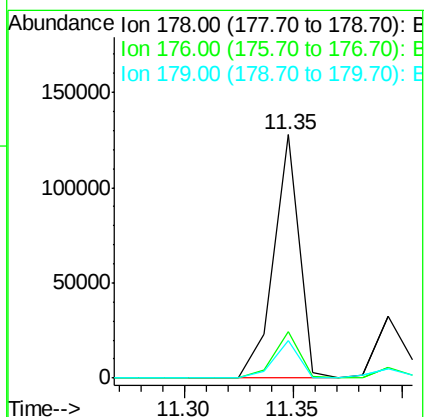
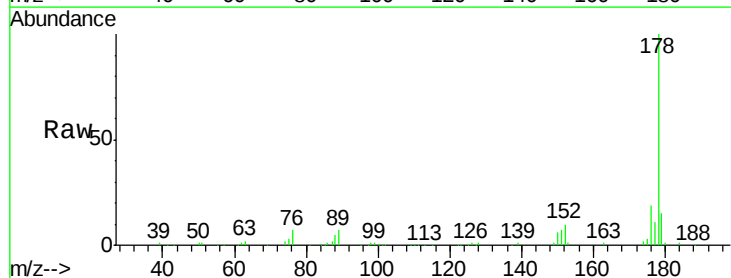
Instrument :
BNA_F
ClientSampleId :
SS-51

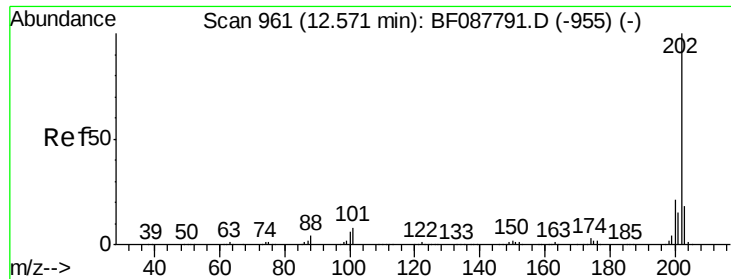
Tgt Ion:188 Resp: 422269
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.6
80 9.5 10.0 15.0#



#70
Phenanthrene
Concen: 4.78 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

Tgt Ion:178 Resp: 105816
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 13.0 19.4

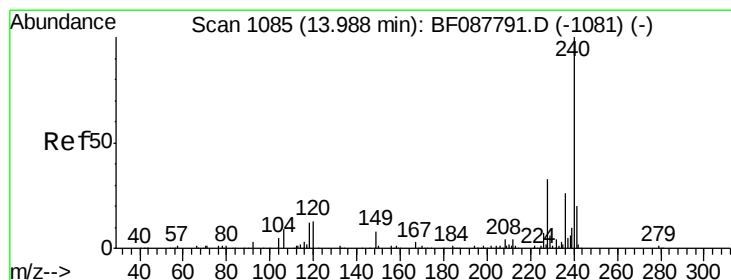
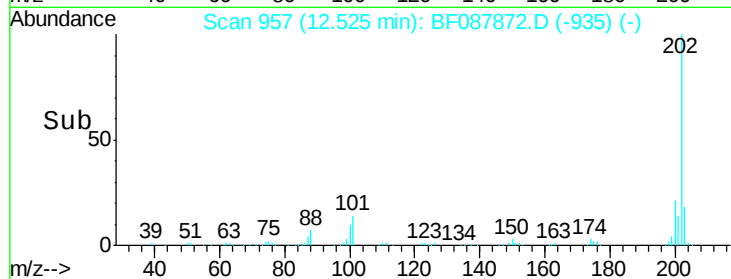
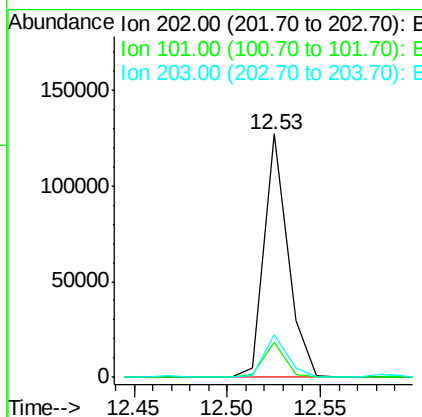
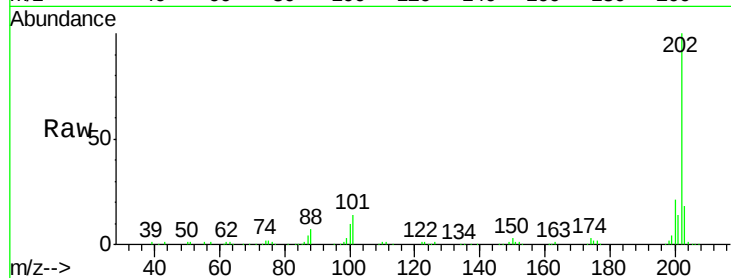




#74
 Fluoranthene
 Concen: 4.77 ng
 RT: 12.53 min Scan# 957
 Delta R.T. -0.05 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

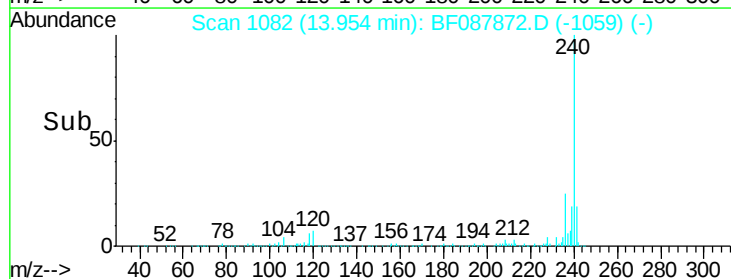
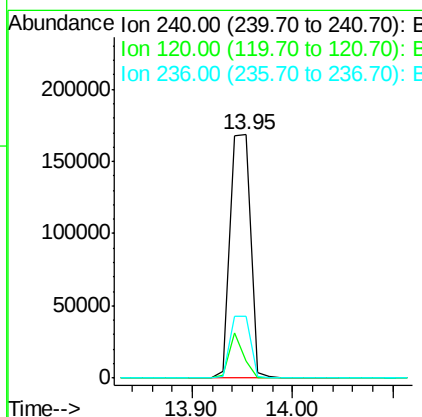
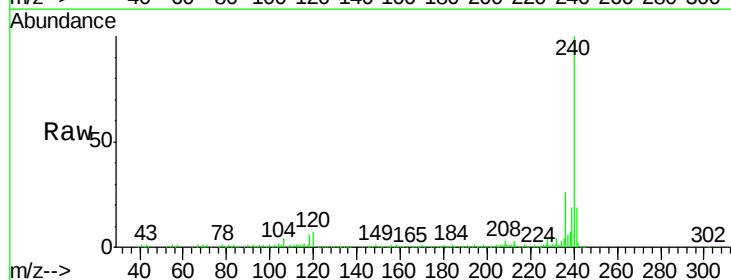
Instrument :
 BNA_F
 ClientSampleId :
 SS-51

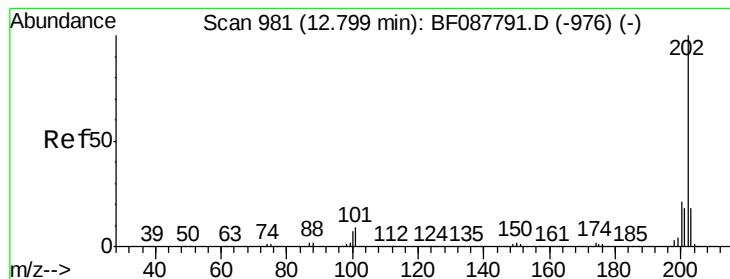
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. -0.03 min
 Lab File: BF087872.D
 Acq: 10 Jun 2016 14:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.8	10.2
236	25.6	20.2	30.2





#77

Pyrene

Concen: 5.46 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SS-51

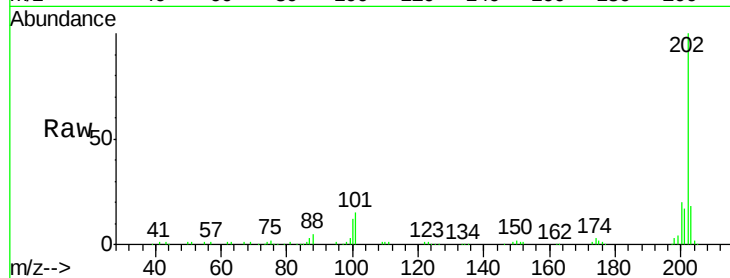
Tgt Ion:202 Resp: 96784

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

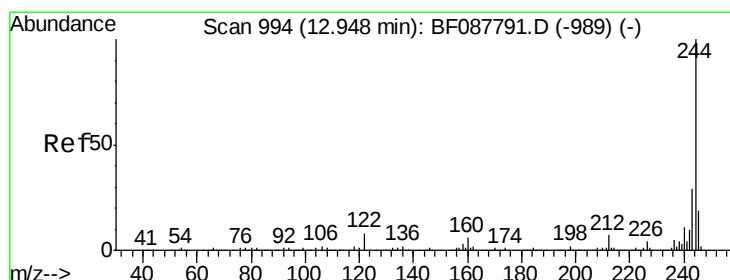
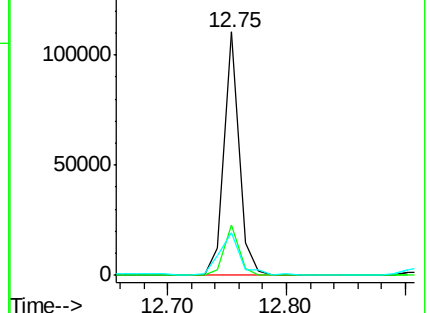
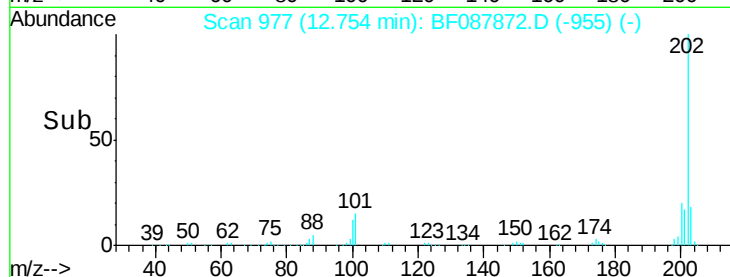
203 17.7 14.5 21.7



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: 14.99 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.05 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

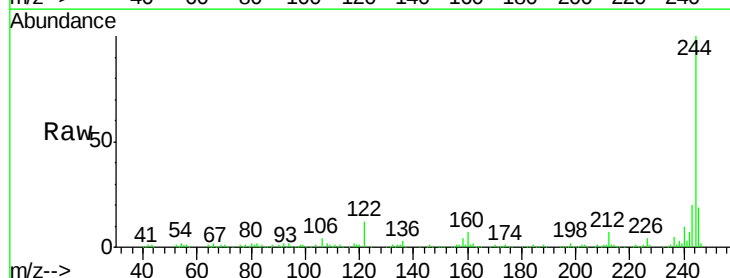
Tgt Ion:244 Resp: 157336

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

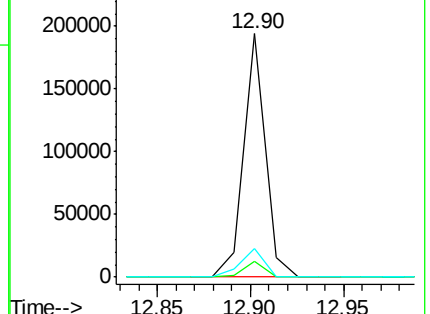
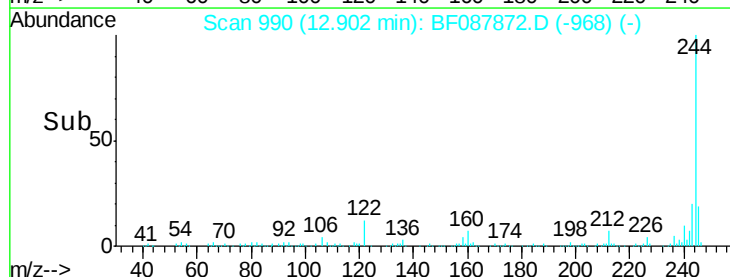
122 11.8 11.2 16.8

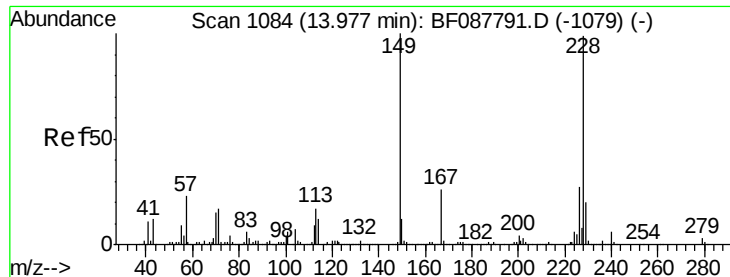


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.92 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SS-51

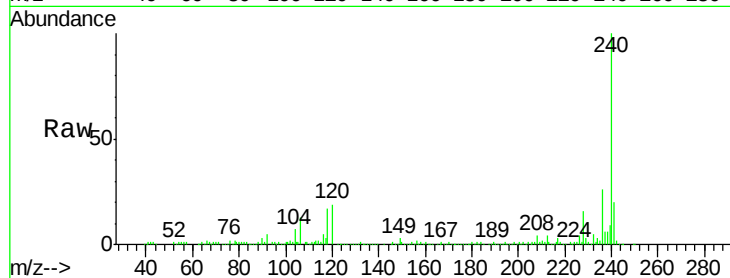
Tgt Ion:228 Resp: 39684

Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

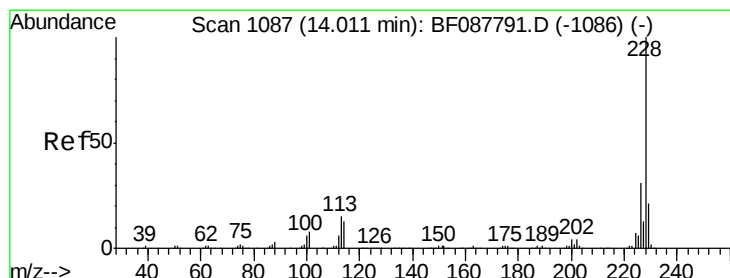
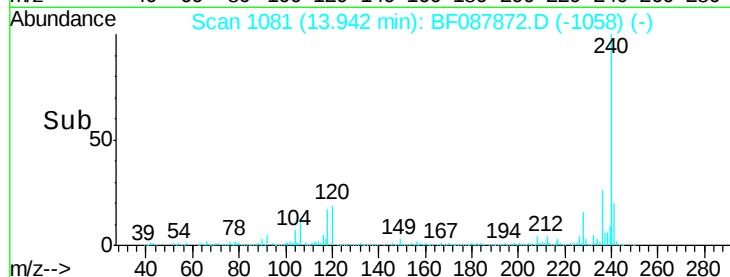
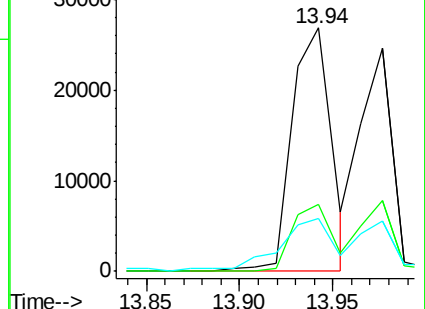
229 21.8 16.0 24.0



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: 3.10 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

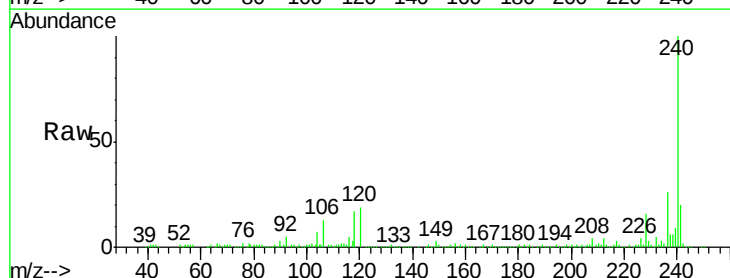
Tgt Ion:228 Resp: 39684

Ion Ratio Lower Upper

228 100

226 27.3 25.4 38.2

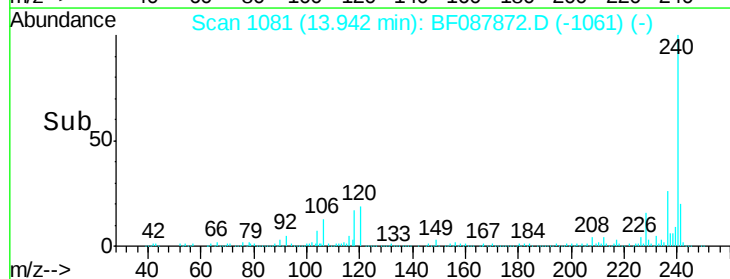
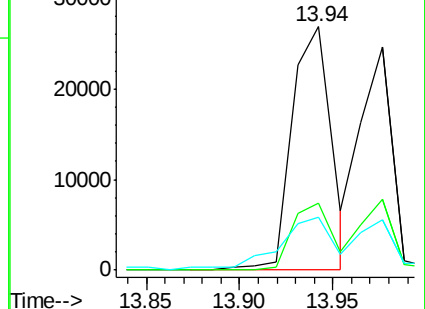
229 21.8 16.3 24.5

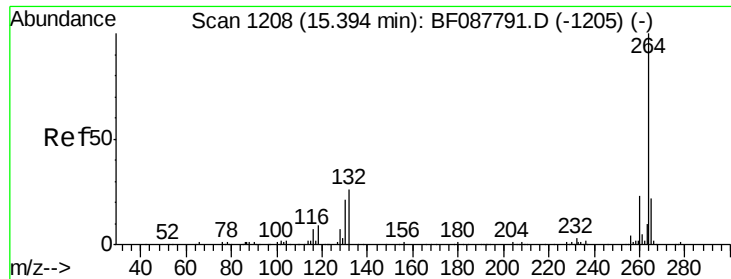


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



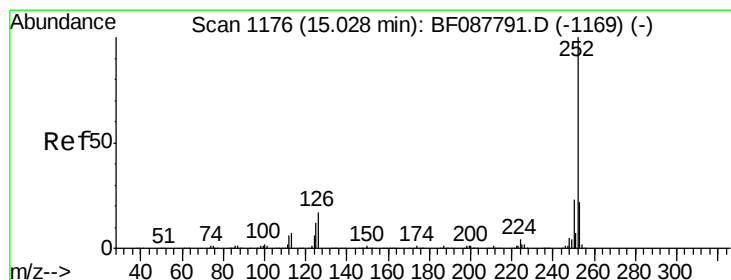
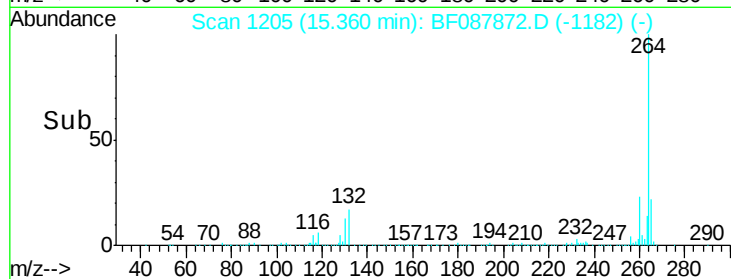
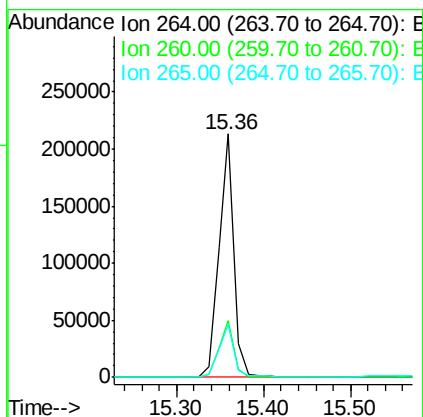
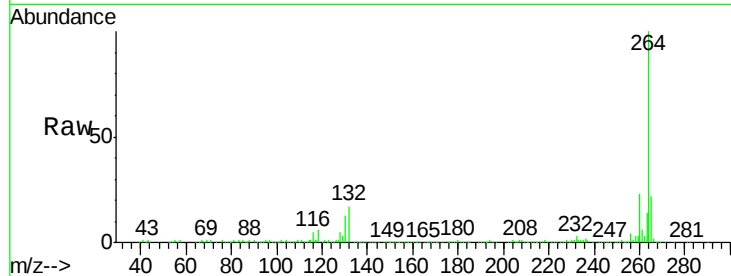


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

Instrument :
BNA_F
ClientSampleID :
SS-51

Tgt Ion: 264 Resp: 257357

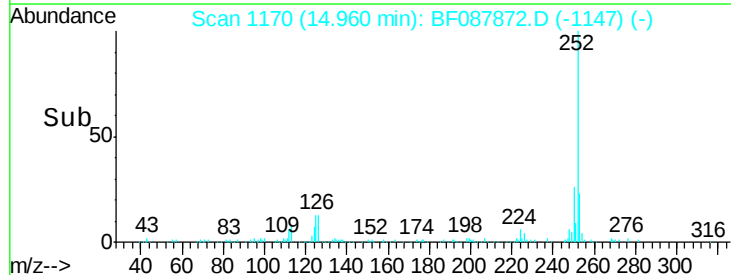
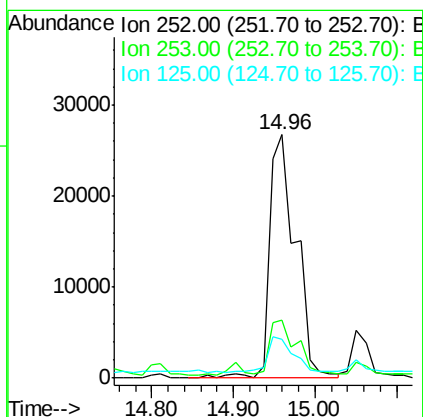
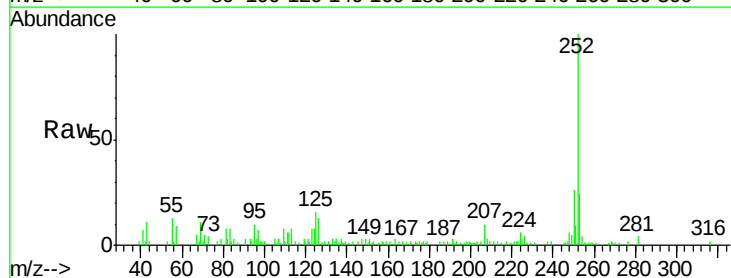
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	16.9	25.3

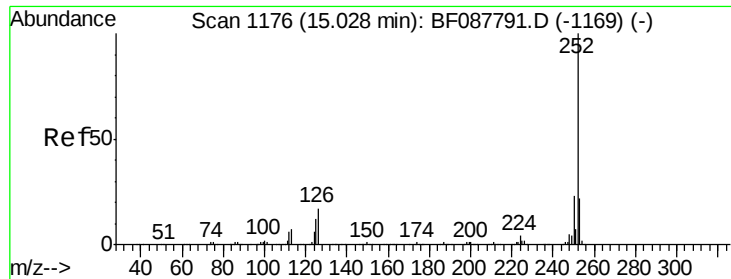


#87
Benzo(b)fluoranthene
Concen: 3.34 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087872.D
Acq: 10 Jun 2016 14:03

Tgt Ion: 252 Resp: 59840

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.2
125	15.8	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 4.42 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.07 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

Instrument :

BNA_F

ClientSampleId :

SS-51

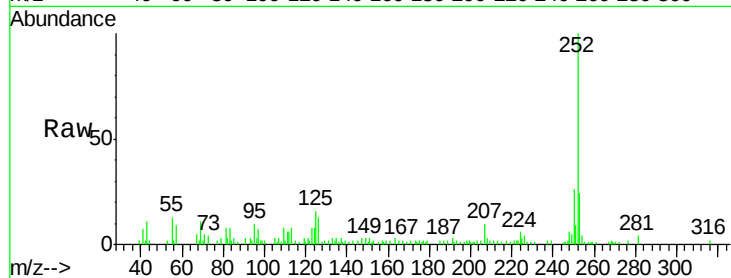
Tgt Ion:252 Resp: 59840

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

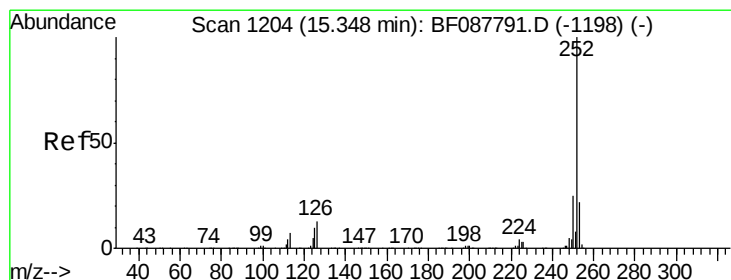
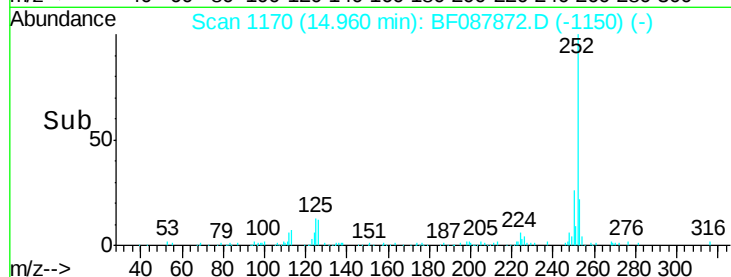
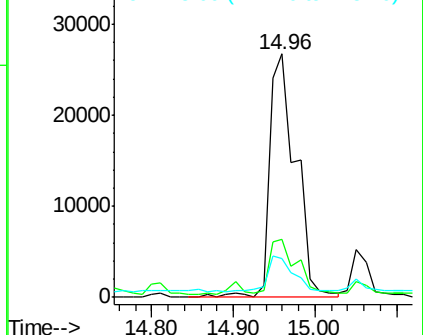
125 15.8 11.2 16.8



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: 2.27 ng

RT: 15.29 min Scan# 1199

Delta R.T. -0.06 min

Lab File: BF087872.D

Acq: 10 Jun 2016 14:03

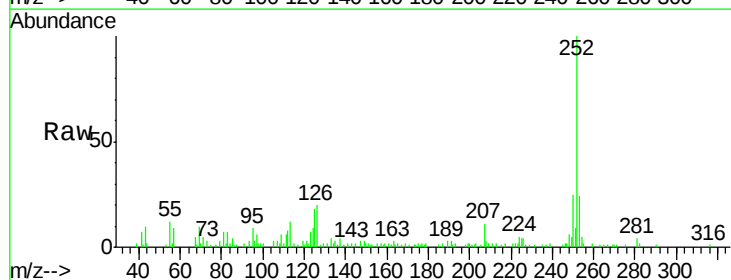
Tgt Ion:252 Resp: 33015

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 17.6 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

