

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087873.D
 Acq On : 10 Jun 2016 14:32
 Operator : UM/SJ
 Sample : H3426-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

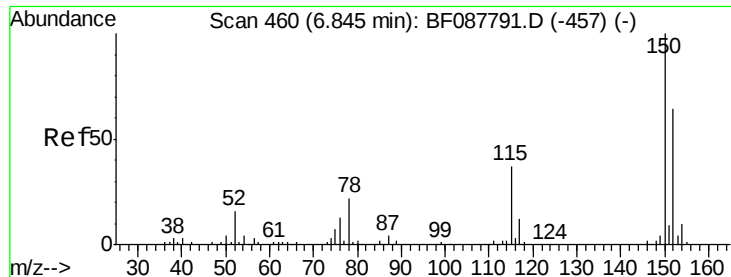
Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Quant Time: Jun 10 15:42:08 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	6.97	152	159765	20.00	ng	0.13
21) Naphthalene-d8	8.10	136	539797	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	227618	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	416615	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	290258	20.00	ng	-0.03
86) Perylene-d12	15.36	264	292998	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	301225	32.23	ng	-0.03
7) Phenol-d6	6.44	99	435526	38.45	ng	-0.03
23) Nitrobenzene-d5	7.37	82	225222	24.36	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	80263	33.40	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	495280	30.64	ng	-0.03
78) Terphenyl-d14	12.90	244	331252	25.97	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	2532	Below Cal		Qvalue 99
19) n-Nitroso-di-n-propylamine	7.37	70	29232	4.03 ng	#	75
45) 1,1'-Biphenyl	9.27	154	2048	Below Cal		86
49) Dimethylphthalate	9.56	163	43547	2.64 ng		100
50) 2,6-Dinitrotoluene	9.85	165	29929	7.93 ng	#	40
56) 2,4-Dinitrotoluene	9.85	165	29929	6.17 ng	#	38
57) Fluorene	10.39	166	18445	Below Cal		98
70) Phenanthrene	11.35	178	252861	11.57 ng		98
71) Anthracene	11.39	178	62048	2.81 ng		98
74) Fluoranthene	12.52	202	303446	13.15 ng		96
77) Pyrene	12.75	202	278080	12.91 ng		99
80) Benzo(a)anthracene	13.94	228	147905	8.94 ng		99
82) Chrysene	13.94	228	147905	9.50 ng		96
85) Indeno(1,2,3-cd)pyrene	16.71	276	67852	4.69 ng	#	100
87) Benzo(b)fluoranthene	14.96	252	227644	11.15 ng	#	94
88) Benzo(k)fluoranthene	14.96	252	227644	14.78 ng		99
89) Benzo(a)pyrene	15.25	252	84366	5.11 ng		95
91) Benzo(g,h,i)perylene	17.12	276	60721	3.85 ng		99

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

```
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Sample    : H3426-06 2X  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.13 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

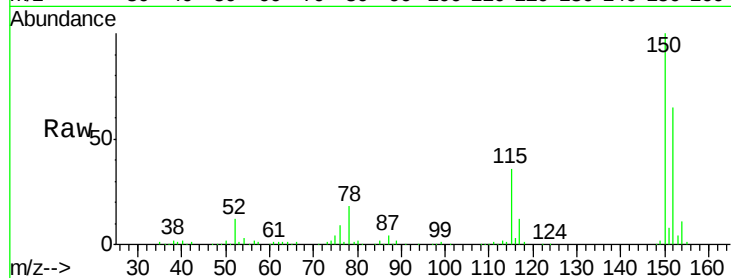
Tgt Ion:152 Resp: 159765

Ion Ratio Lower Upper

152 100

150 153.0 123.8 185.6

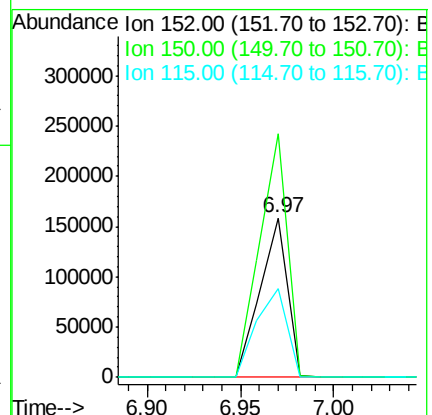
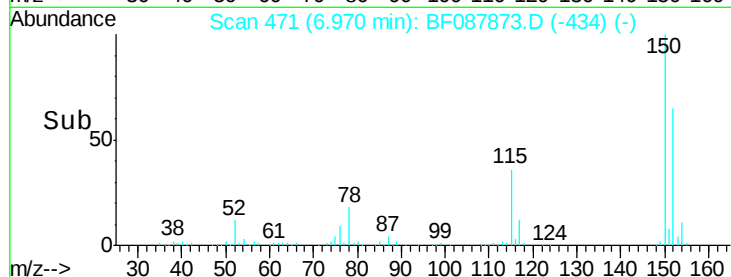
115 55.6 39.6 59.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 32.23 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

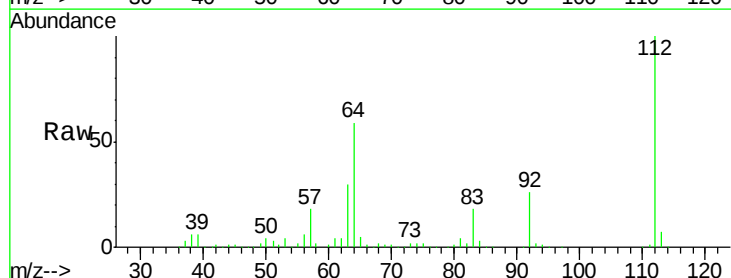
Tgt Ion:112 Resp: 301225

Ion Ratio Lower Upper

112 100

64 59.0 42.2 63.2

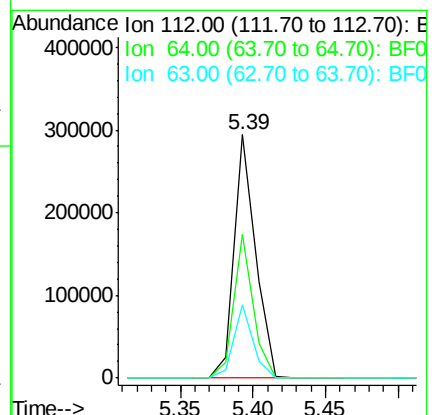
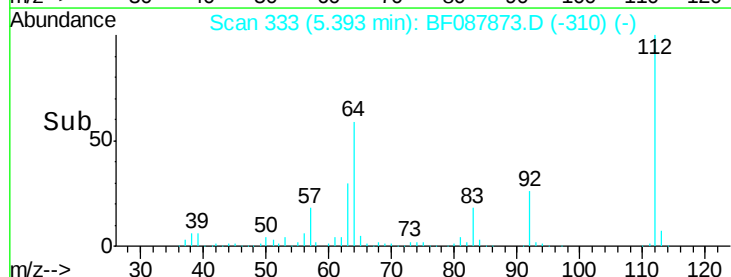
63 30.2 21.8 32.8



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: 38.45 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

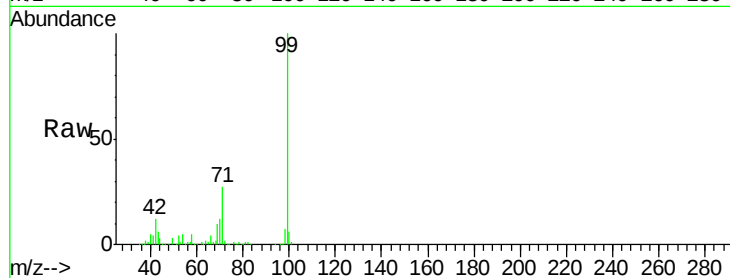
Tgt Ion: 99 Resp: 43526

Ion Ratio Lower Upper

99 100

42 11.8 12.2 18.2#

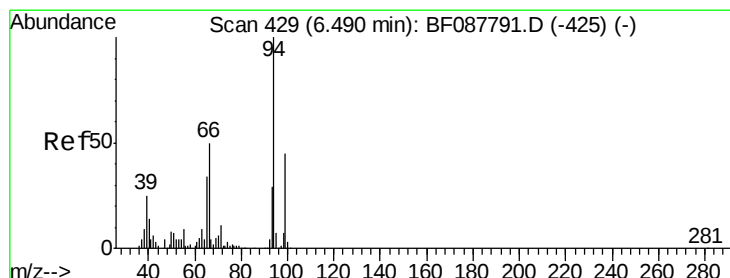
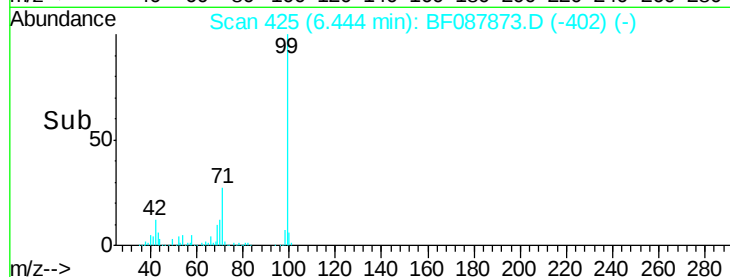
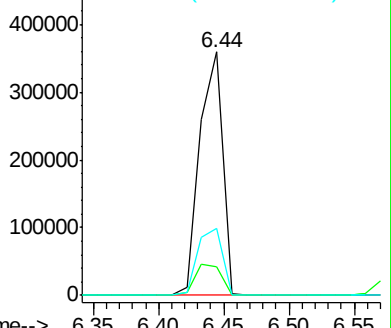
71 27.3 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

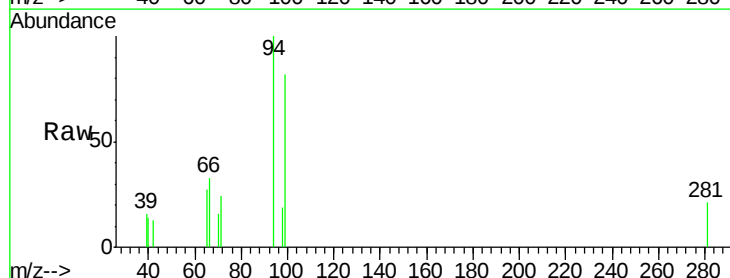
Tgt Ion: 94 Resp: 2532

Ion Ratio Lower Upper

94 100

65 26.5 5.9 45.9

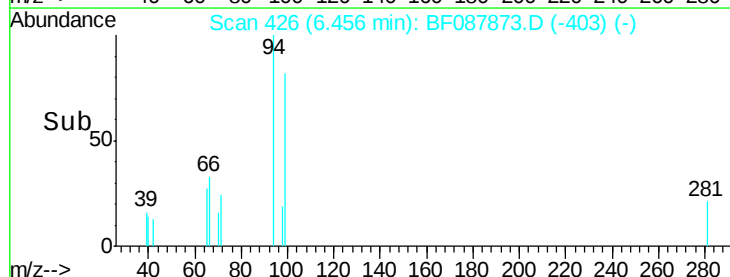
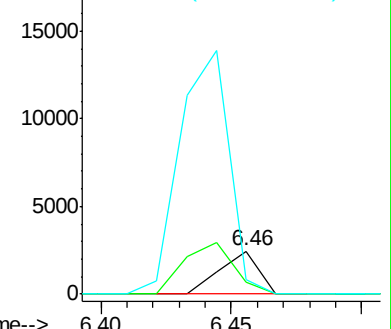
66 33.2 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

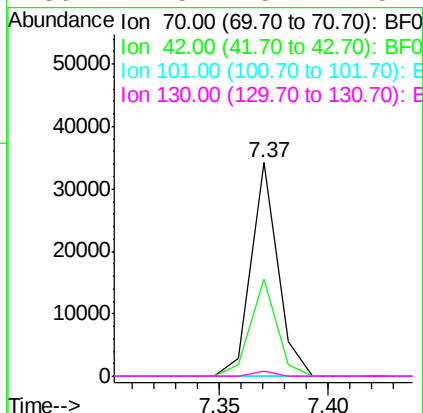
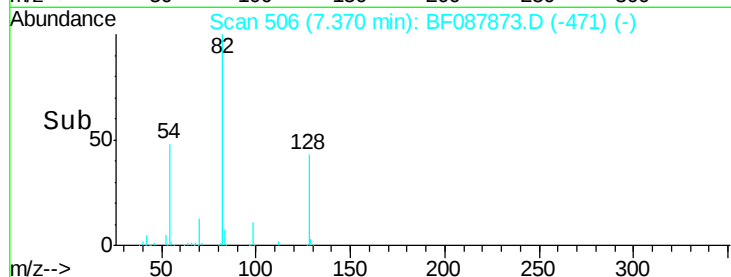
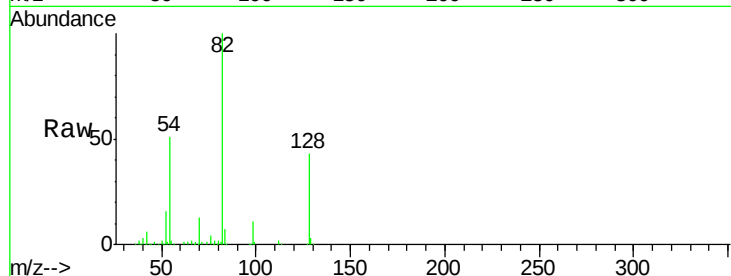




#19
n-Nitroso-di-n-propylamine
Concen: 4.03 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

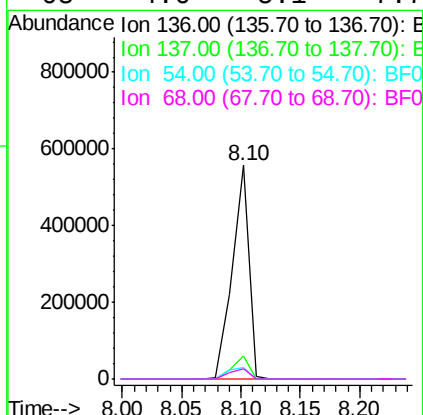
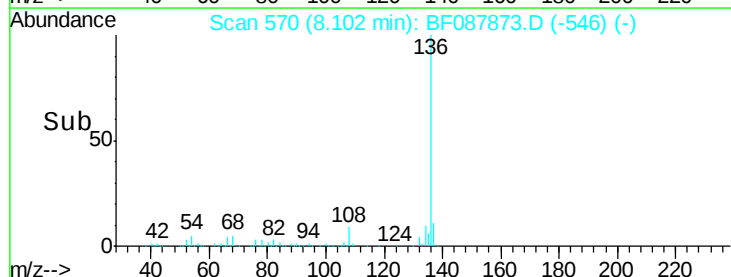
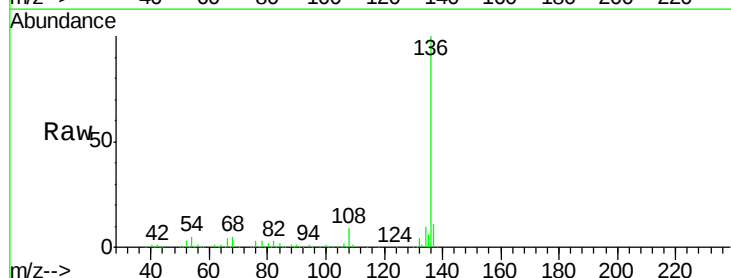
Instrument :
BNA_F
ClientSampled :
SS-52

Tgt Ion:	70	Resp:	29232
Ion	Ratio	Lower	Upper
70	100		
42	45.6	49.6	74.4#
101	0.0	7.1	10.7#
130	2.5	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: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion:	136	Resp:	539797
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.3	6.6	10.0#
68	4.6	5.1	7.7#

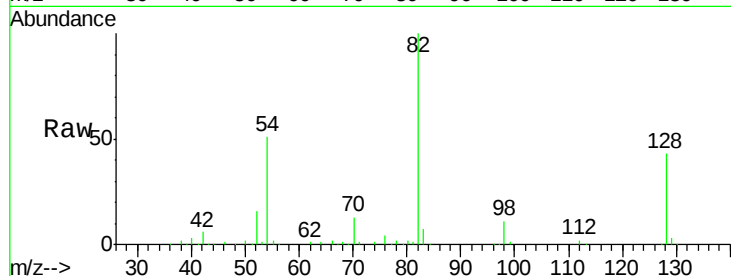




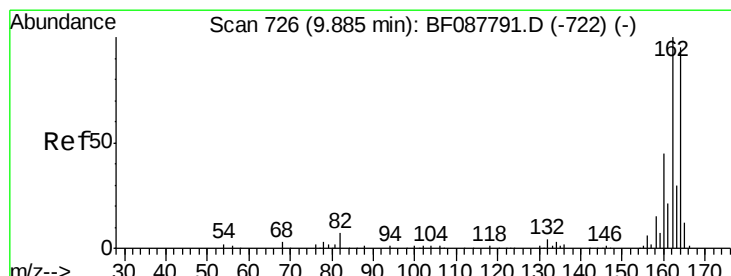
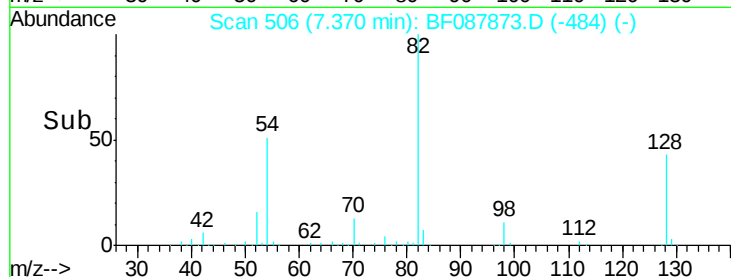
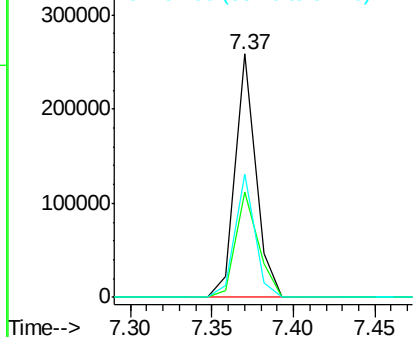
#23
 Nitrobenzene-d5
 Concen: 24.36 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Tgt Ion: 82 Resp: 225222
 Ion Ratio Lower Upper
 82 100
 128 43.4 35.9 53.9
 54 50.7 40.9 61.3

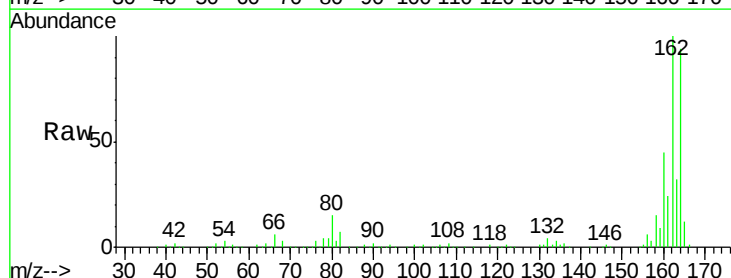


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

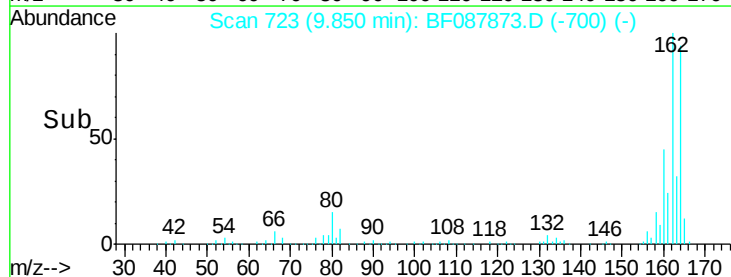
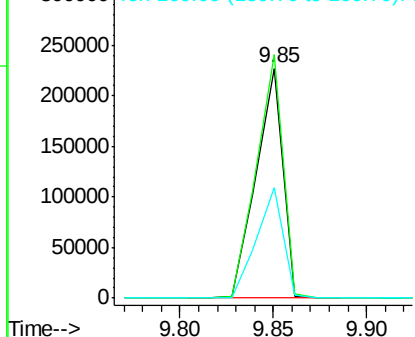


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion: 164 Resp: 227618
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 48.1 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

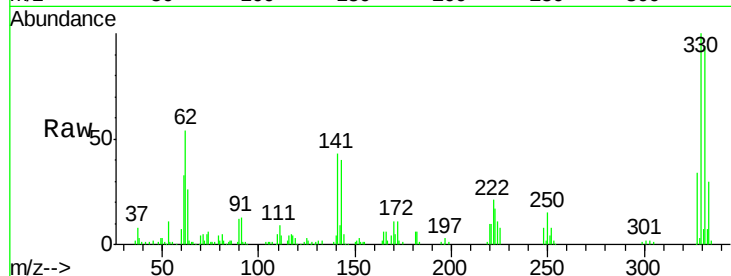




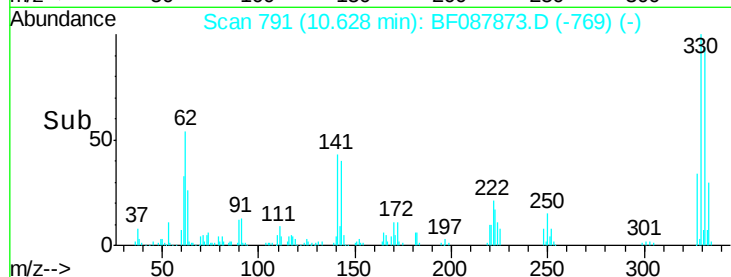
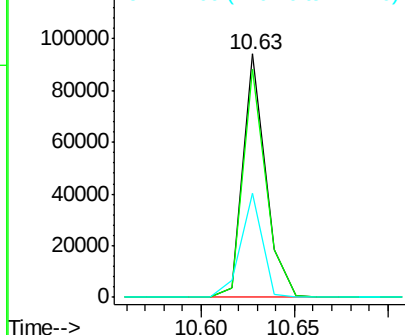
#41
 2,4,6-Tribromophenol
 Concen: 33.40 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Tgt Ion:330 Resp: 80263
 Ion Ratio Lower Upper
 330 100
 332 94.8 0.0 0.0#
 141 41.1 0.0 0.0#

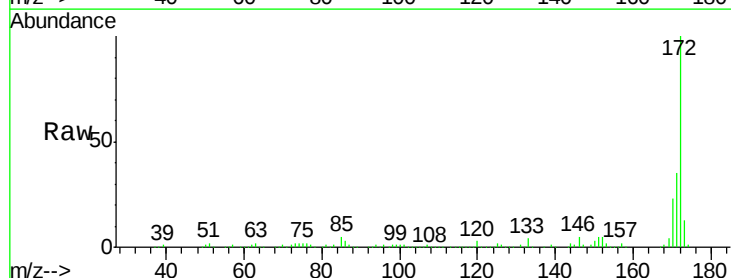


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

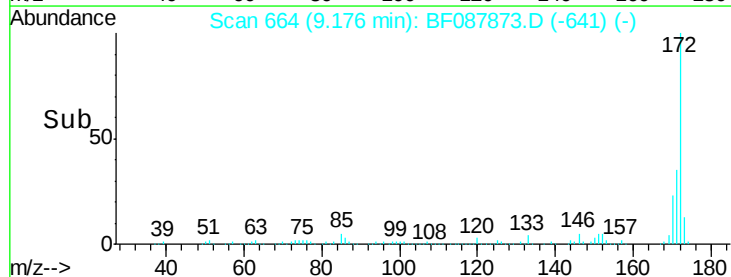
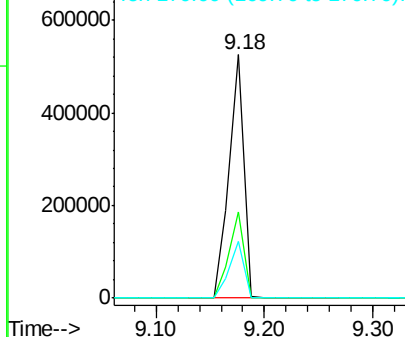


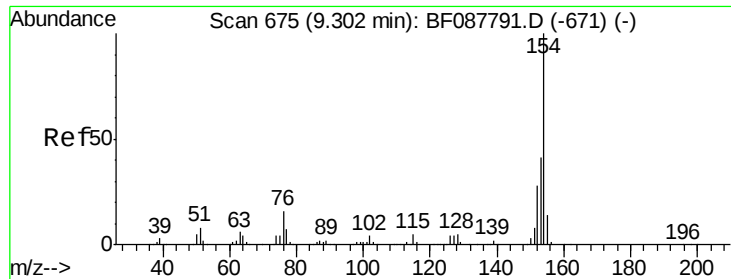
#44
 2-Fluorobiphenyl
 Concen: 30.64 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion:172 Resp: 495280
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.4 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

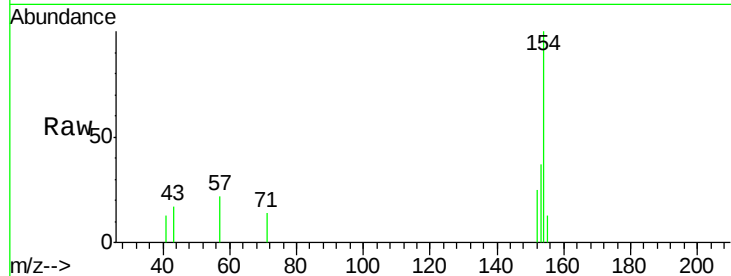




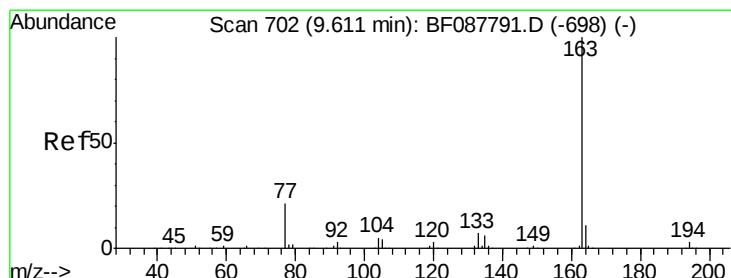
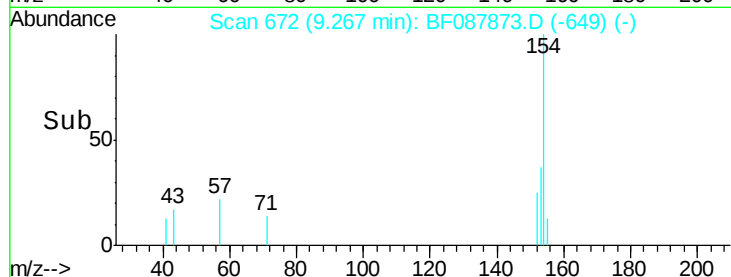
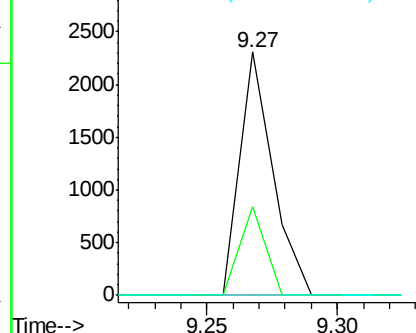
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Instrument :
 BNA_F
 ClientSampleId :
 SS-52

Tgt Ion:154 Resp: 2048
 Ion Ratio Lower Upper
 154 100
 153 36.7 20.6 60.6
 76 0.0 0.0 35.1

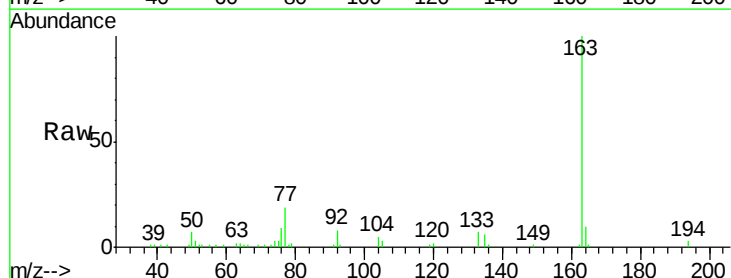


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

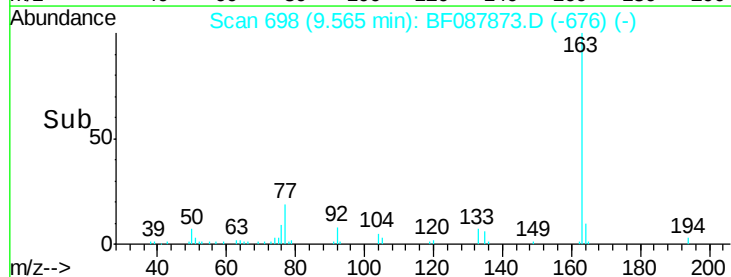
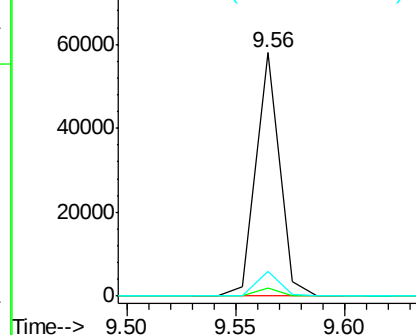


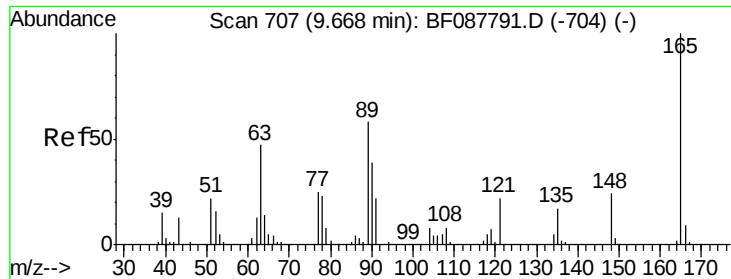
#49
 Dimethylphthalate
 Concen: 2.64 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion:163 Resp: 43547
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.8 4.2
 164 10.3 8.3 12.5



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





#50

2,6-Dinitrotoluene

Concen: 7.93 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.18 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

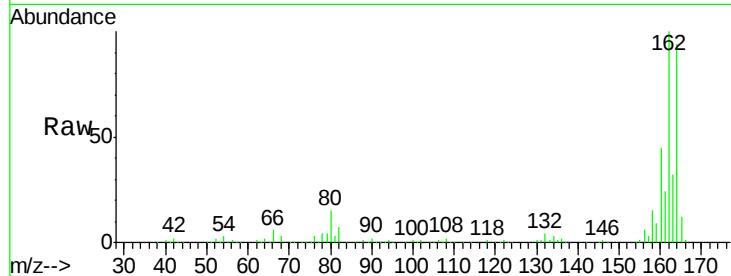
Tgt Ion:165 Resp: 29929

Ion Ratio Lower Upper

165 100

63 1.4 28.1 42.1#

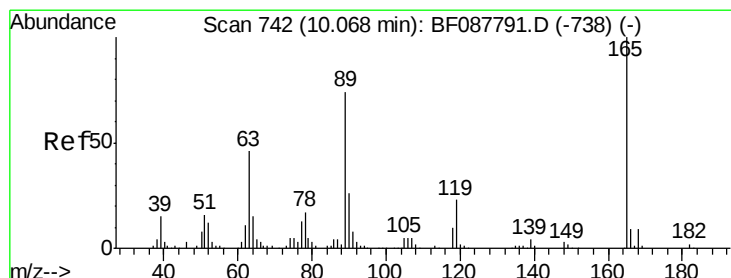
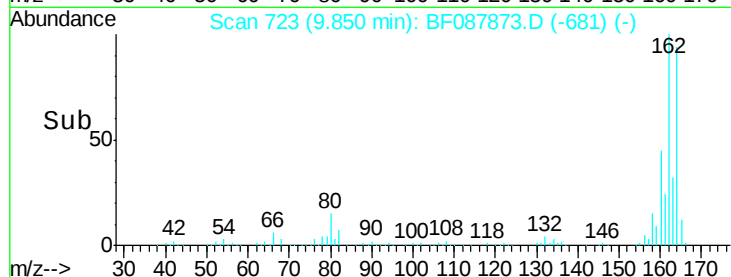
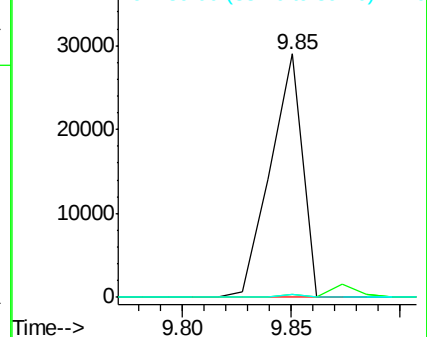
89 1.4 32.2 48.2#



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: 6.17 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Tgt Ion:165 Resp: 29929

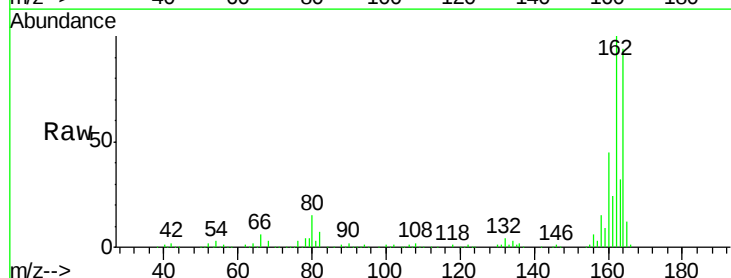
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

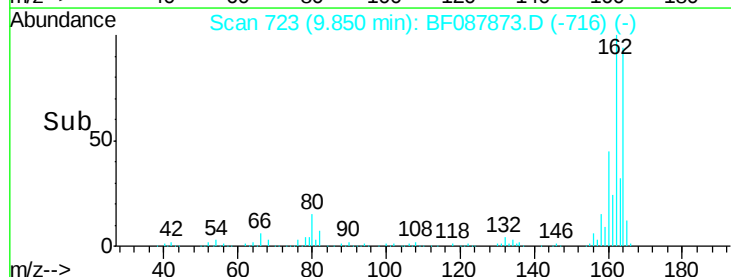
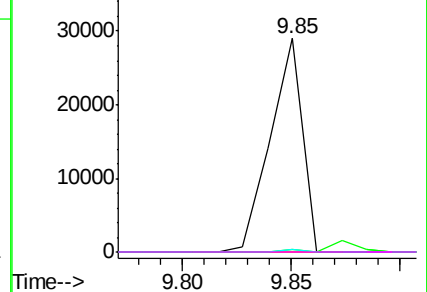


Abundance Ion 165.00 (164.70 to 165.70): E

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

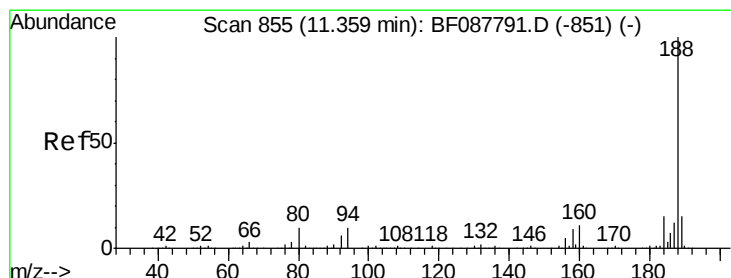
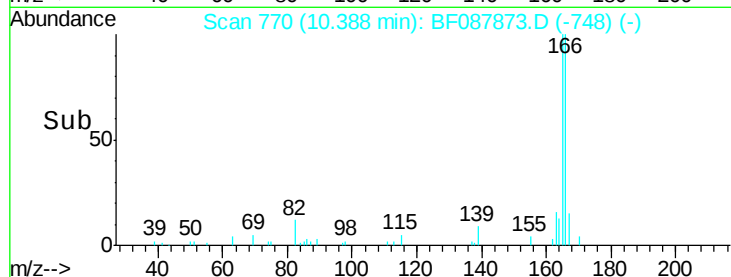
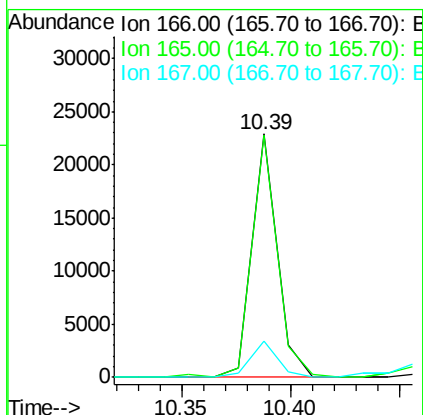
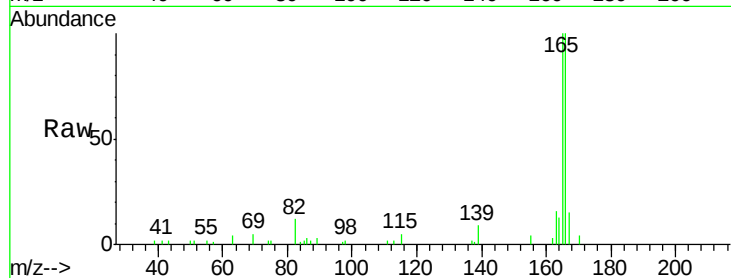




#57
 Fluorene
 Concen: Below Cal
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

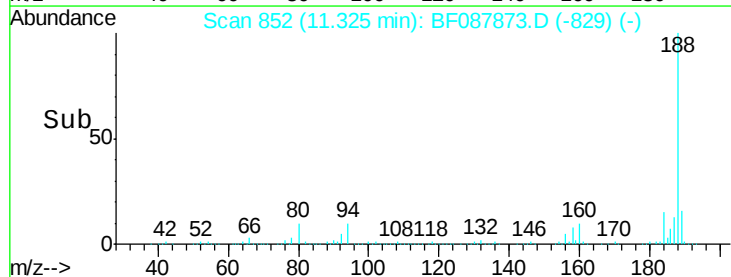
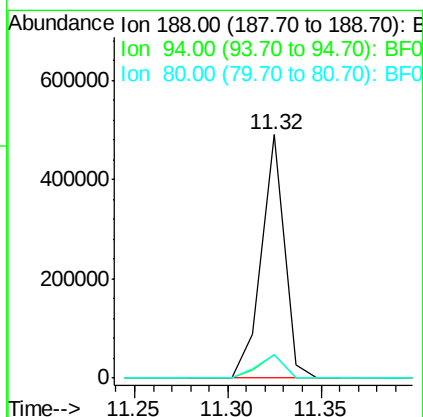
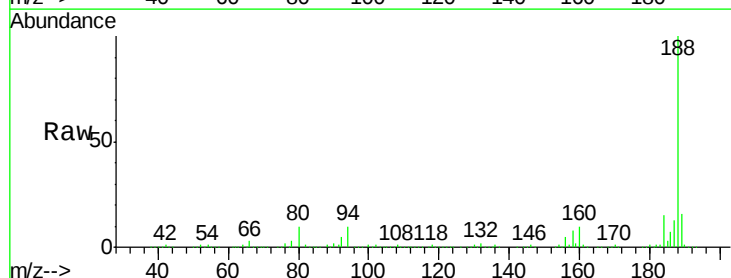
Instrument :
 BNA_F
 ClientSampleId :
 SS-52

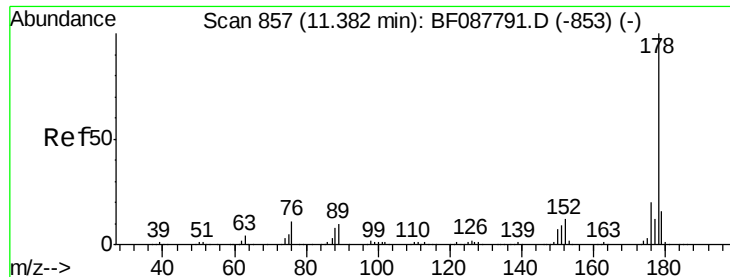
Tgt Ion:166 Resp: 18445
 Ion Ratio Lower Upper
 166 100
 165 99.5 77.8 116.8
 167 14.9 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion:188 Resp: 416615
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.0 13.6
 80 9.8 10.0 15.0#

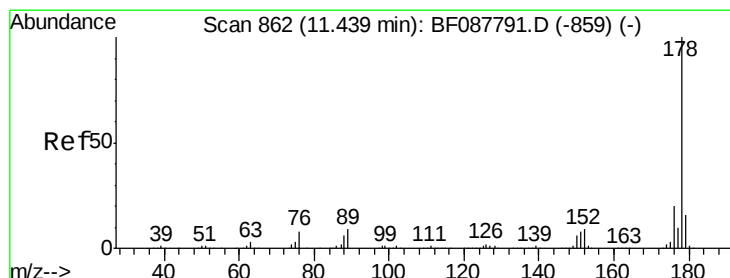
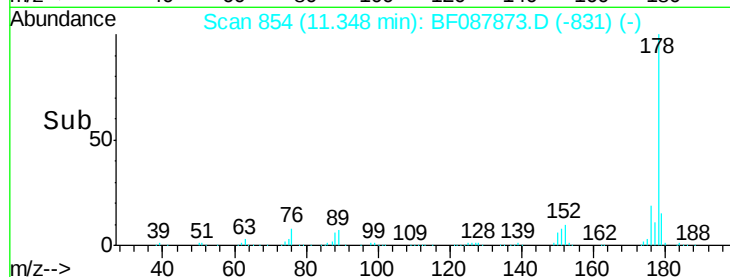
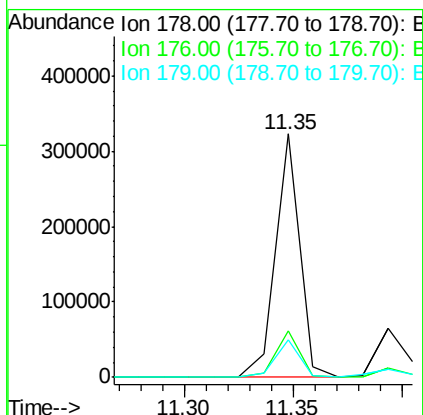
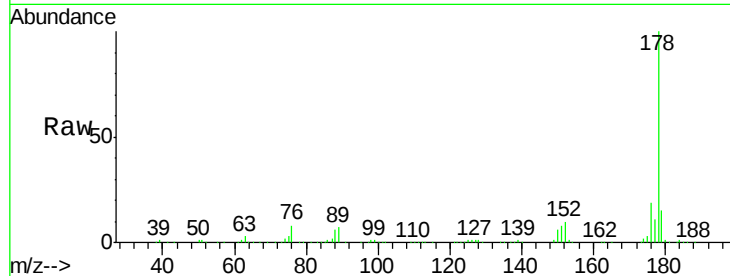




#70
Phenanthrene
Concen: 11.57 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

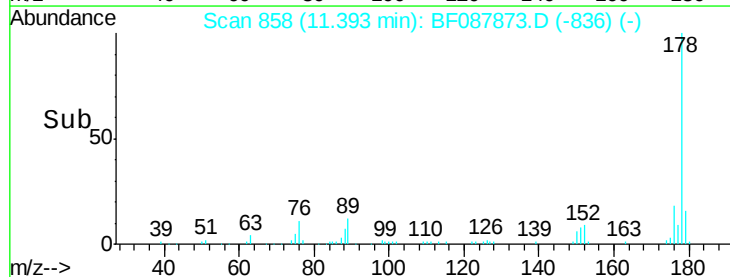
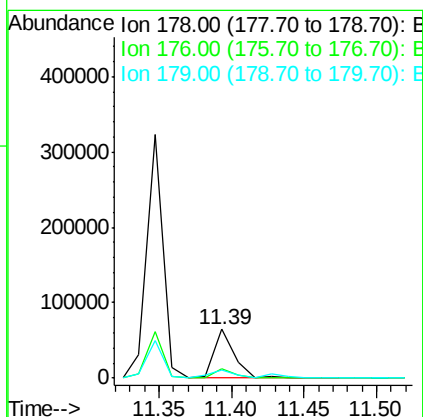
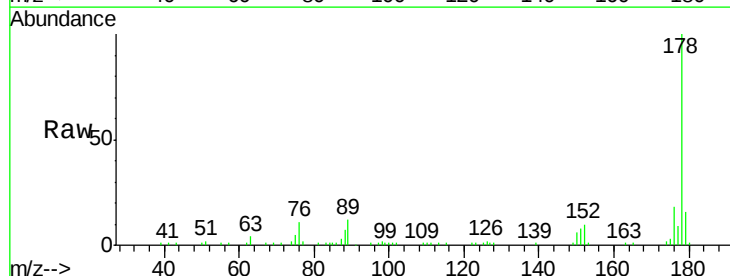
Instrument :
BNA_F
ClientSampleId :
SS-52

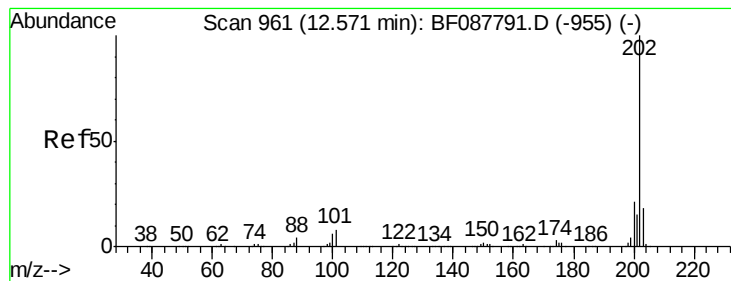
Tgt Ion:178 Resp: 252861
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.3 13.0 19.4



#71
Anthracene
Concen: 2.81 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087873.D
Acq: 10 Jun 2016 14:32

Tgt Ion:178 Resp: 62048
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.7 12.8 19.2





#74

Fluoranthene

Concen: 13.15 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

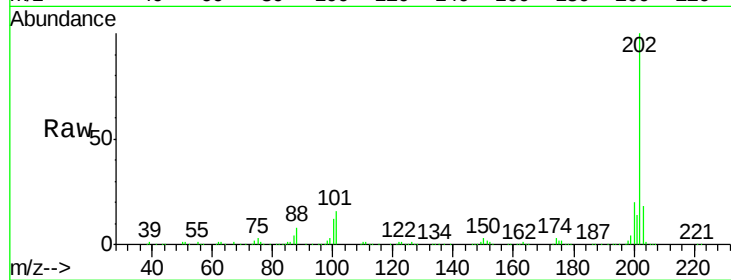
Tgt Ion:202 Resp: 303446

Ion Ratio Lower Upper

202 100

101 16.3 0.0 33.1

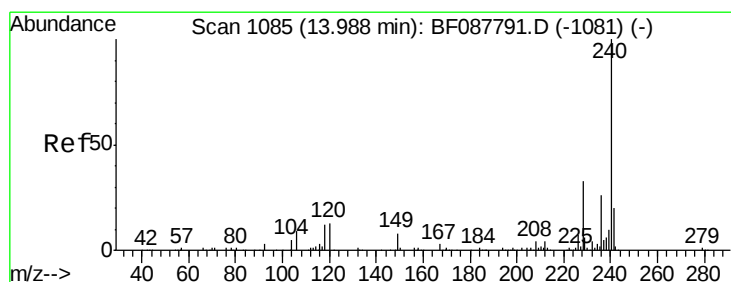
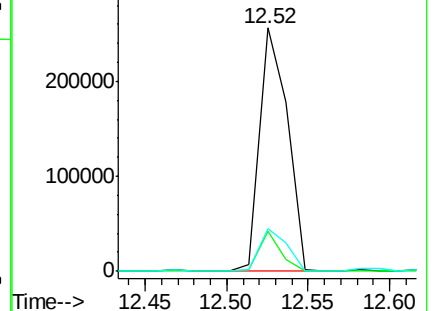
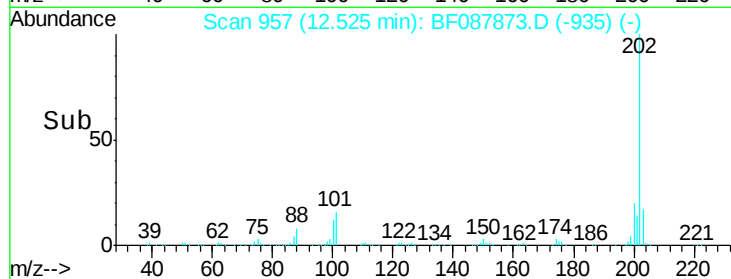
203 17.6 0.0 38.1



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

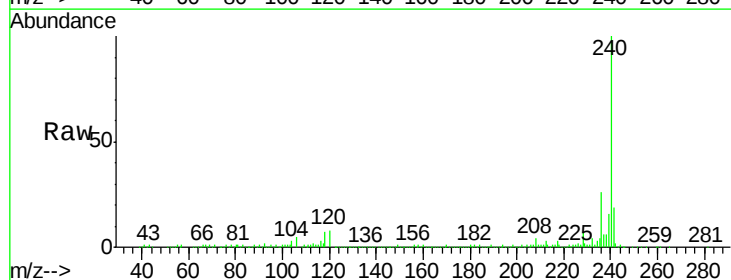
Tgt Ion:240 Resp: 290258

Ion Ratio Lower Upper

240 100

120 8.1 6.8 10.2

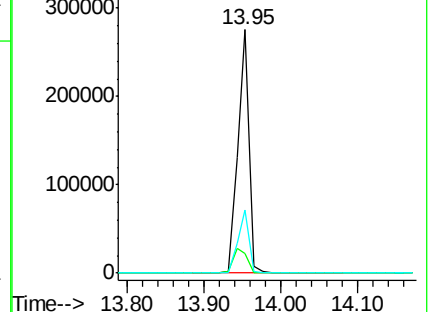
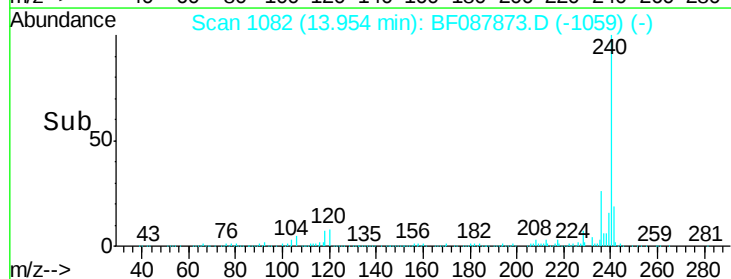
236 25.8 20.2 30.2

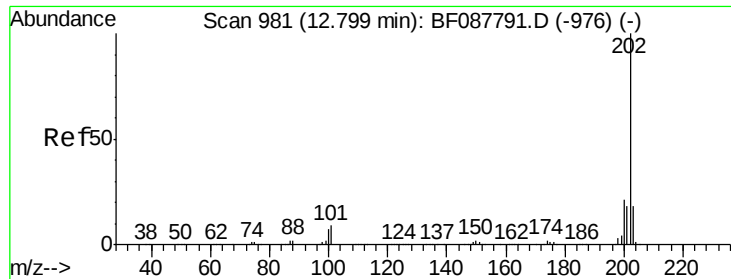


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

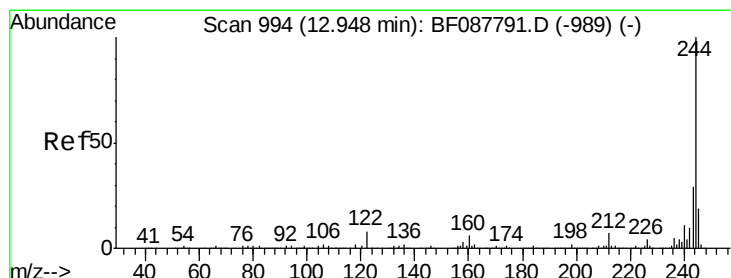
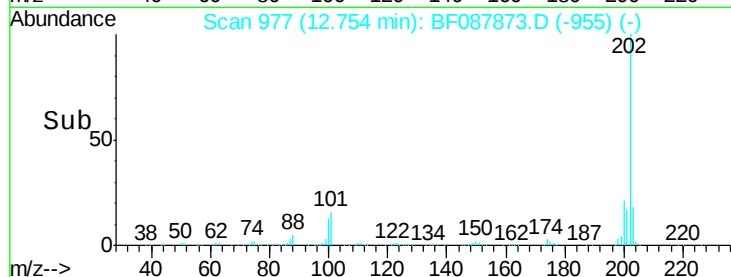
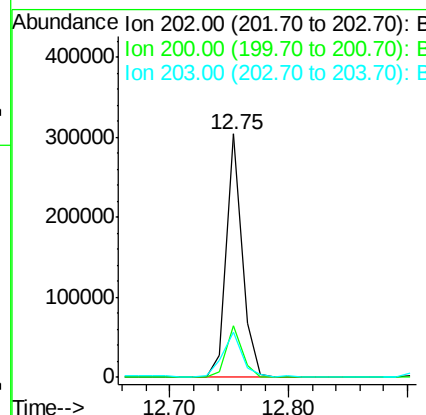
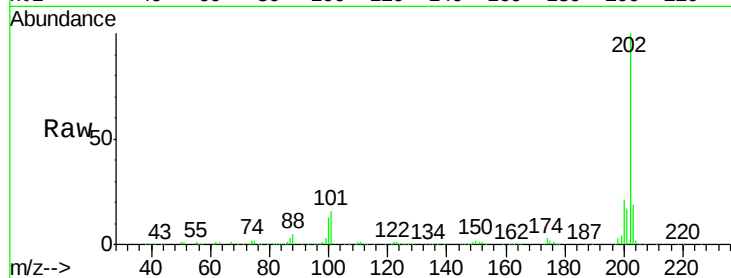




#77
 Pyrene
 Concen: 12.91 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

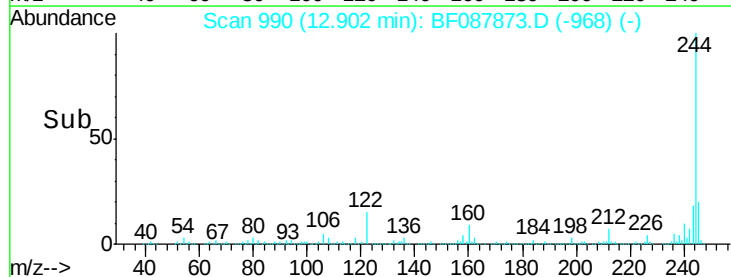
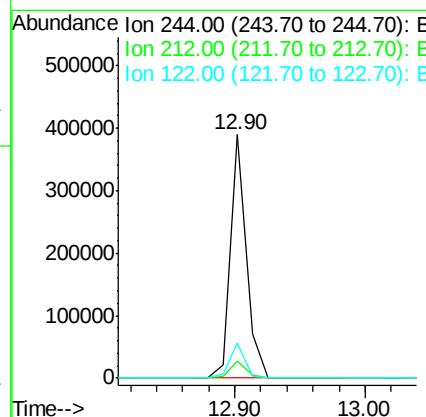
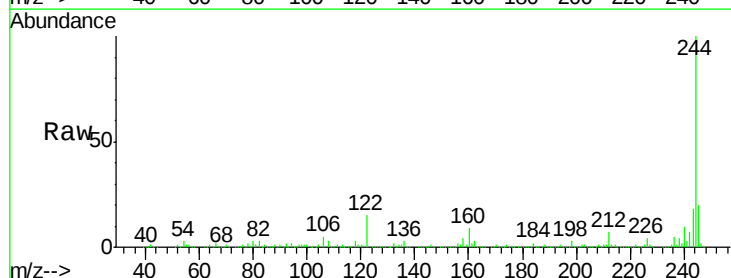
Instrument :
 BNA_F
 ClientSampleId :
 SS-52

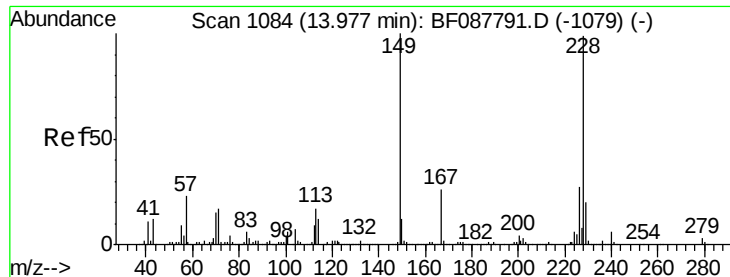
Tgt Ion: 202 Resp: 278080
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 18.5 14.5 21.7



#78
 Terphenyl-d14
 Concen: 25.97 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion: 244 Resp: 331252
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.6 11.2 16.8





#80

Benzo(a)anthracene

Concen: 8.94 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

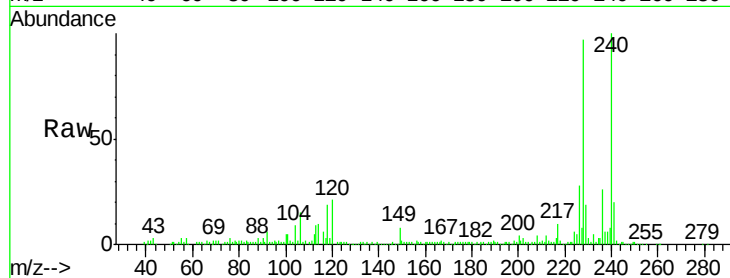
Tgt Ion:228 Resp: 147905

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

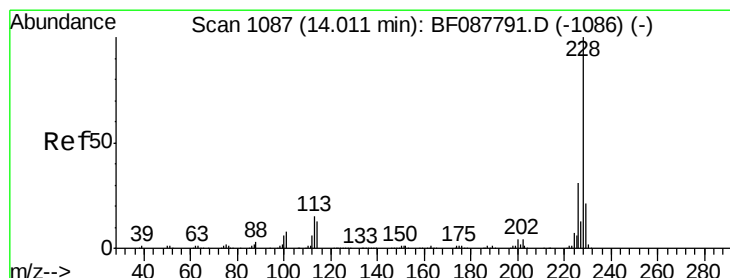
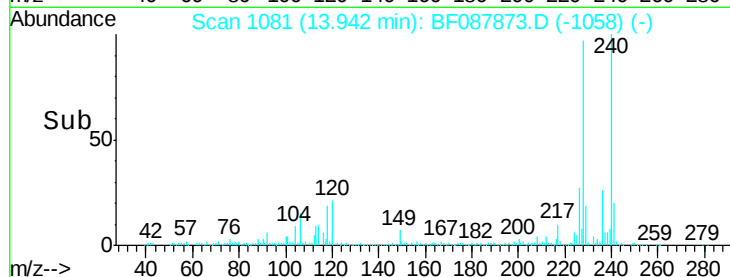
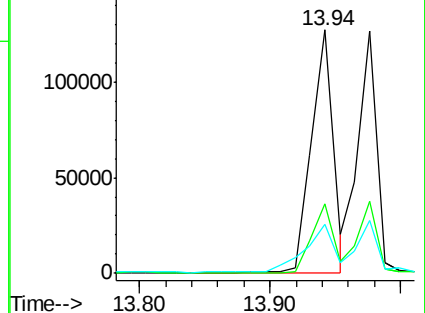
229 20.0 16.0 24.0



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: 9.50 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.07 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

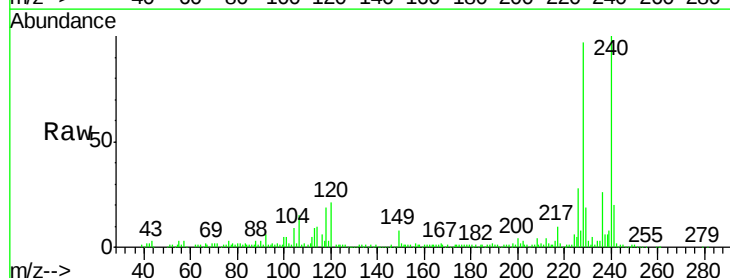
Tgt Ion:228 Resp: 147905

Ion Ratio Lower Upper

228 100

226 28.6 25.4 38.2

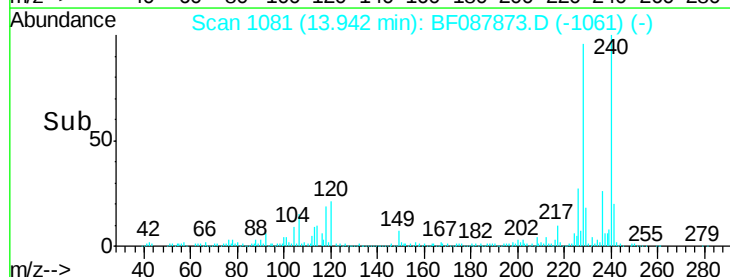
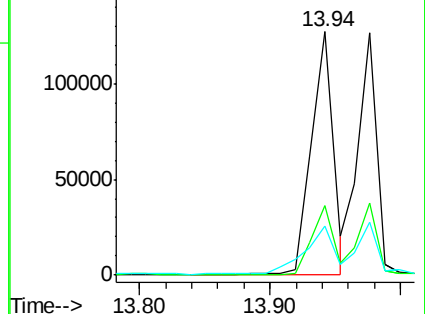
229 20.0 16.3 24.5

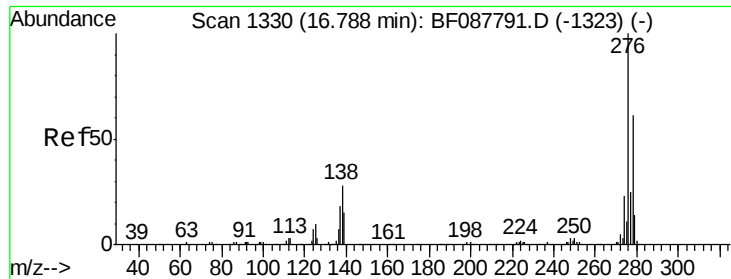


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

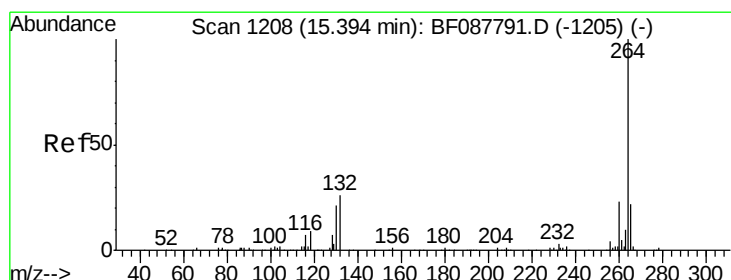
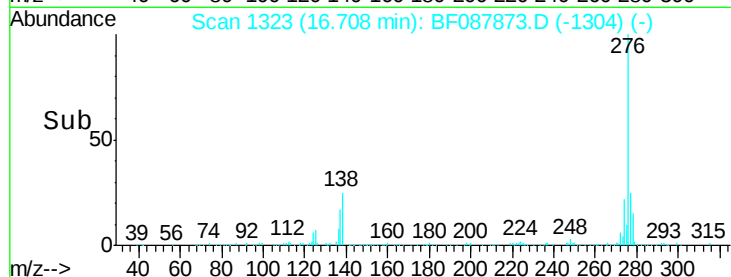
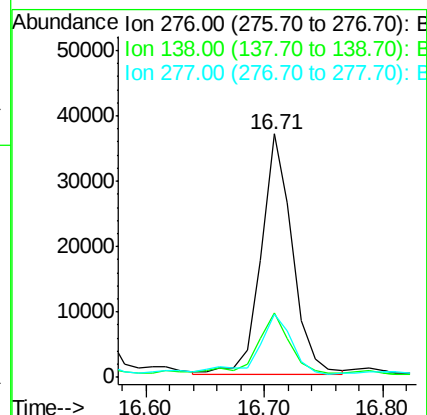
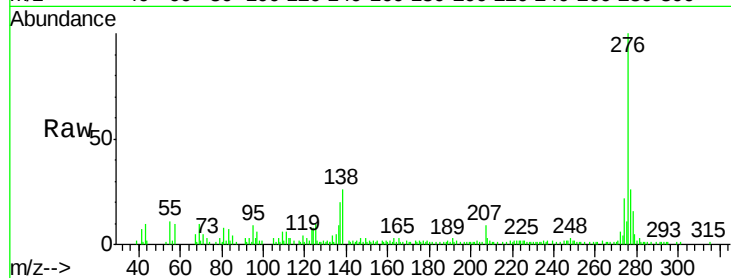




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.69 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

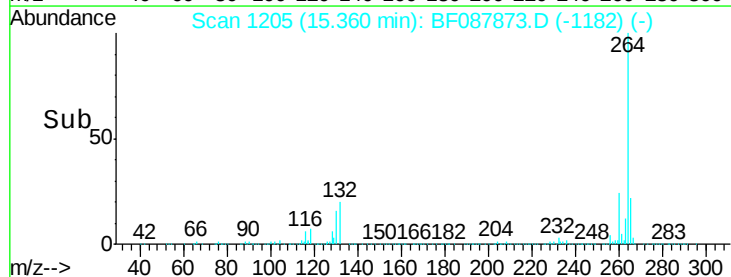
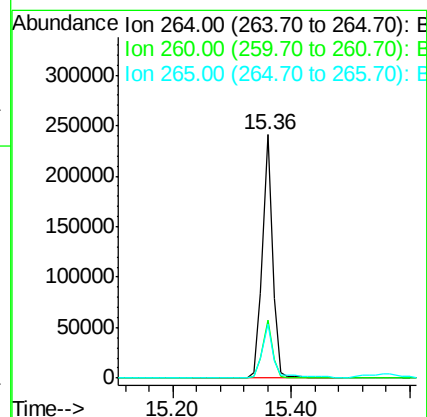
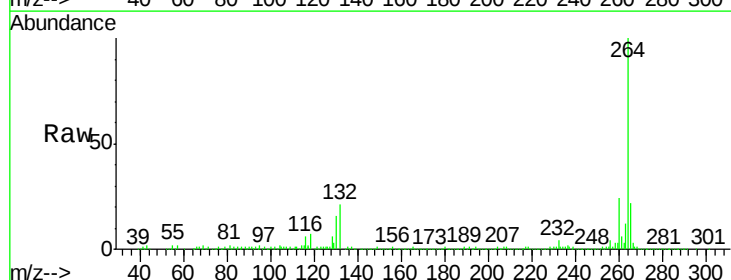
Instrument :
 BNA_F
 ClientSampleId :
 SS-52

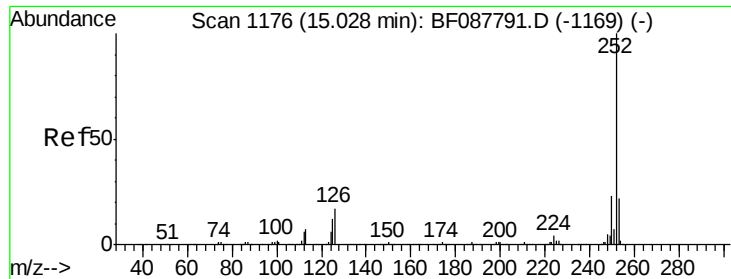
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	0.0	0.0#
277	29.2	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087873.D
 Acq: 10 Jun 2016 14:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 11.15 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

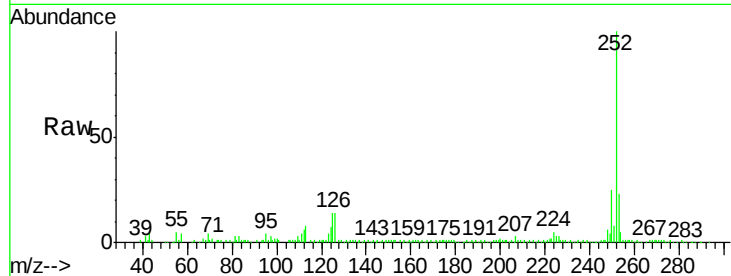
Tgt Ion:252 Resp: 227644

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

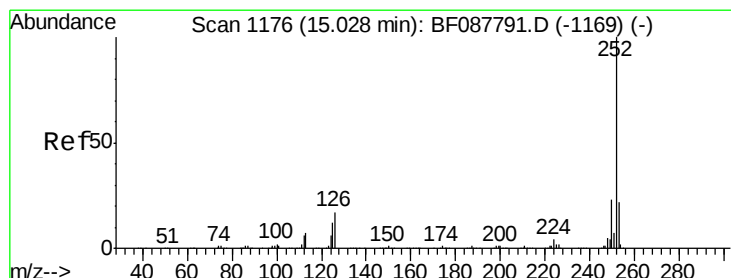
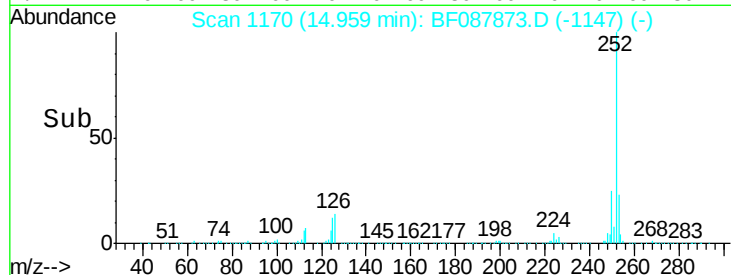
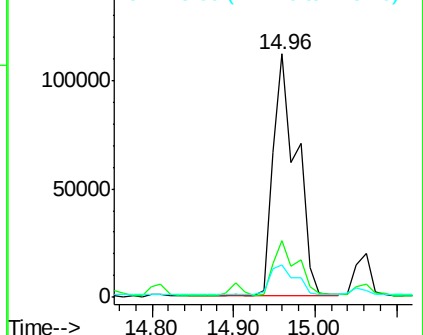
125 13.5 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 14.78 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.07 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

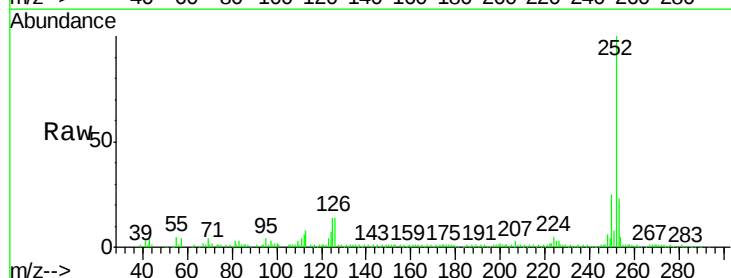
Tgt Ion:252 Resp: 227644

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

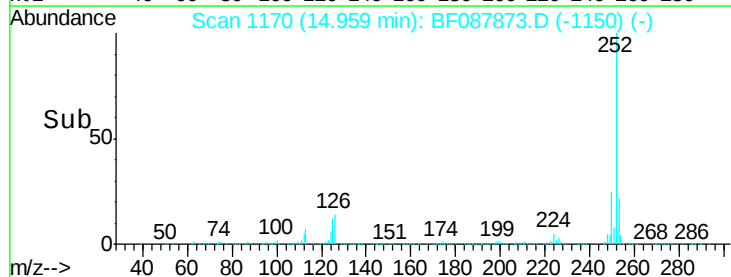
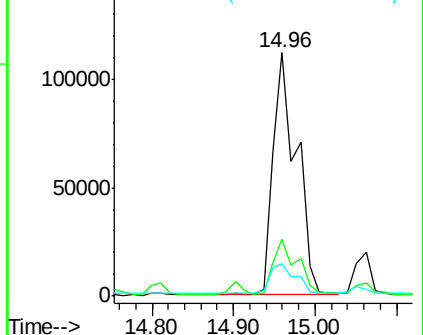
125 13.5 11.2 16.8

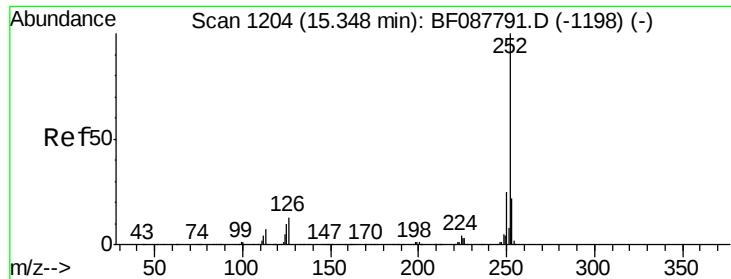


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.11 ng

RT: 15.25 min Scan# 1195

Delta R.T. -0.10 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

Instrument :

BNA_F

ClientSampleId :

SS-52

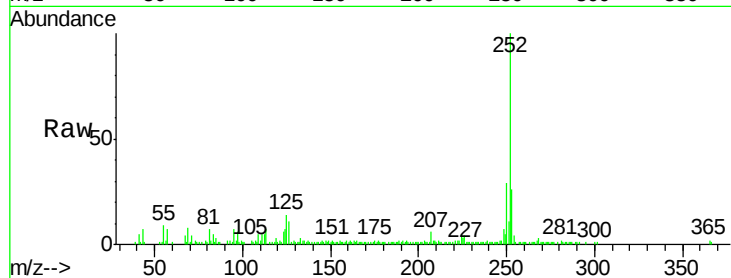
Tgt Ion:252 Resp: 84366

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

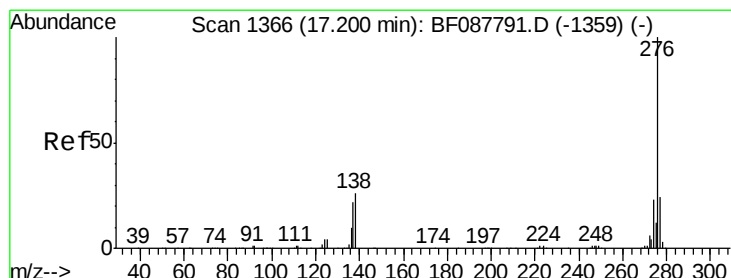
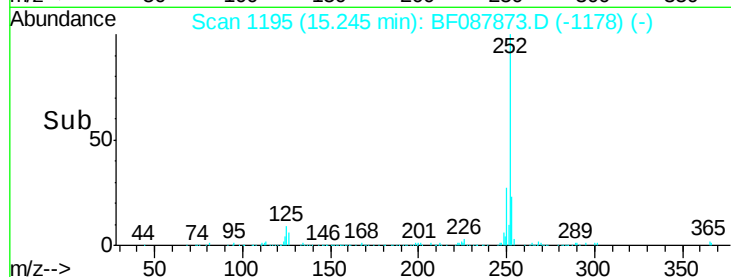
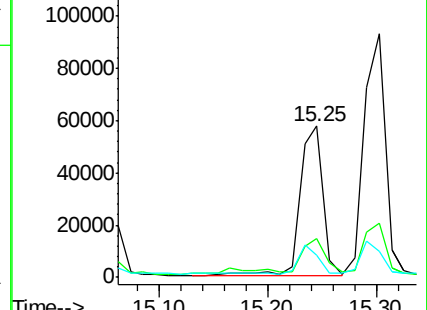
125 14.4 12.5 18.7



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: 3.85 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087873.D

Acq: 10 Jun 2016 14:32

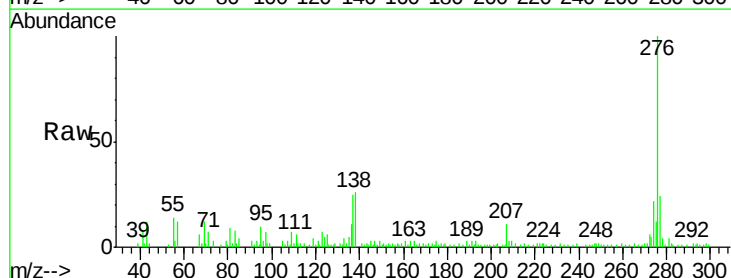
Tgt Ion:276 Resp: 60721

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 25.7 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

