

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088402.D
 Acq On : 26 Jun 2016 5:33
 Operator : UM/SJ
 Sample : H3599-20DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)DL

Quant Time: Jun 26 06:36:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

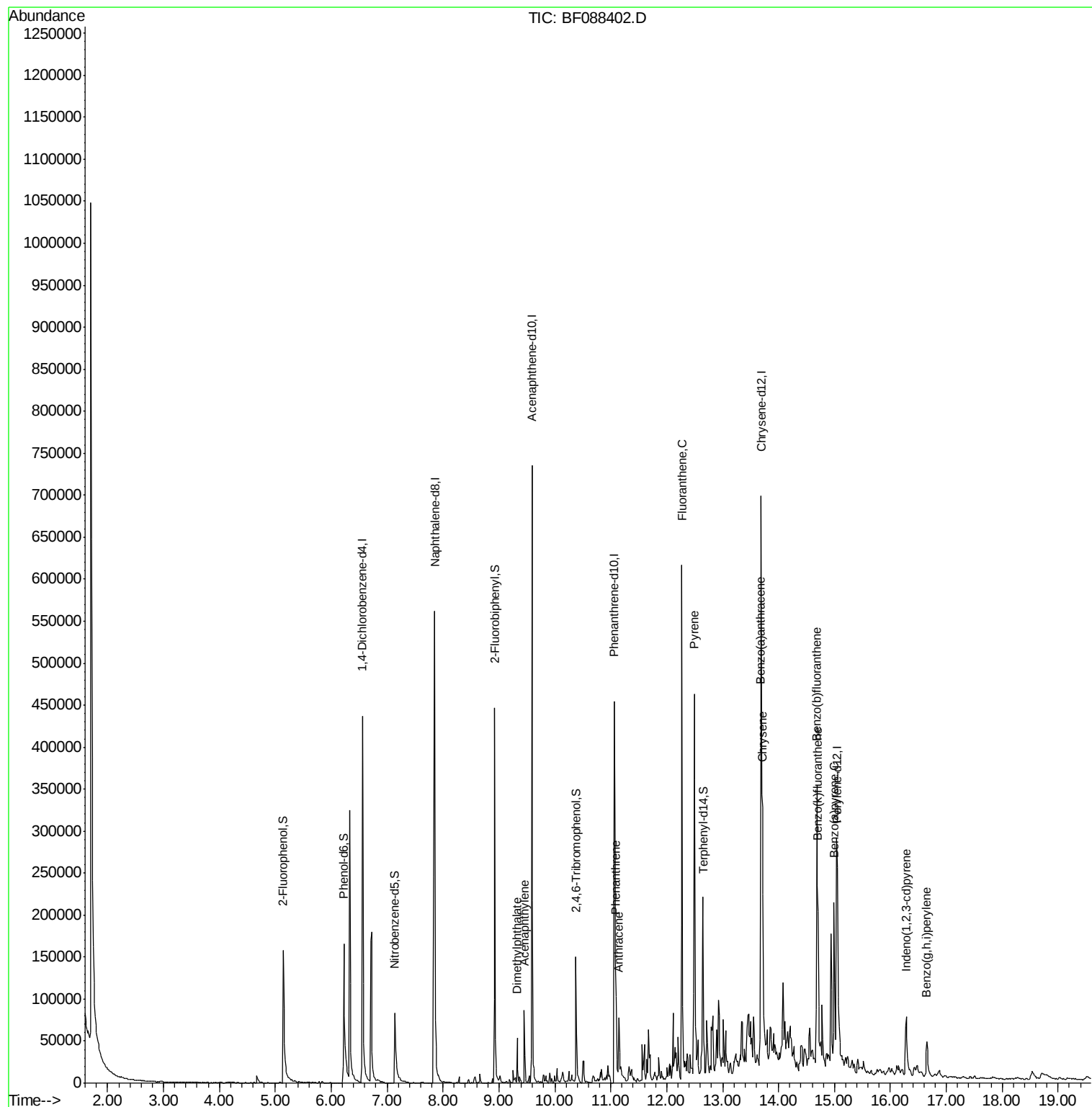
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	89445m	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	365488	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	155788	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	230881	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	195720	20.00	ng	-0.06
86) Perylene-d12	15.05	264	157207	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	104619	20.00	ng	-0.03
7) Phenol-d6	6.23	99	129133	20.37	ng	-0.03
23) Nitrobenzene-d5	7.13	82	80731	12.90	ng	-0.05
41) 2,4,6-Tribromophenol	10.38	330	21502	13.07	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	174799	12.93	ng	-0.05
78) Terphenyl-d14	12.65	244	102199	11.88	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.45	152	49704	3.10	ng	100
49) Dimethylphthalate	9.32	163	22815	2.02	ng	99
70) Phenanthrene	11.08	178	67848	5.60	ng	97
71) Anthracene	11.14	178	48129	3.94	ng	98
74) Fluoranthene	12.27	202	278070	21.75	ng	96
77) Pyrene	12.49	202	265433	18.28	ng	97
80) Benzo(a)anthracene	13.68	228	173415	15.55	ng	97
82) Chrysene	13.71	228	132512m	12.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	47691	4.89	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	154544m	14.10	ng	
88) Benzo(k)fluoranthene	14.70	252	76349m	9.24	ng	
89) Benzo(a)pyrene	14.99	252	96323	10.87	ng	98
91) Benzo(a,h,i)perylene	16.65	276	38285	4.52	ng	98

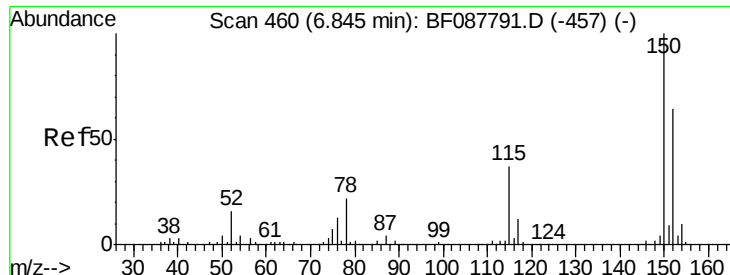
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

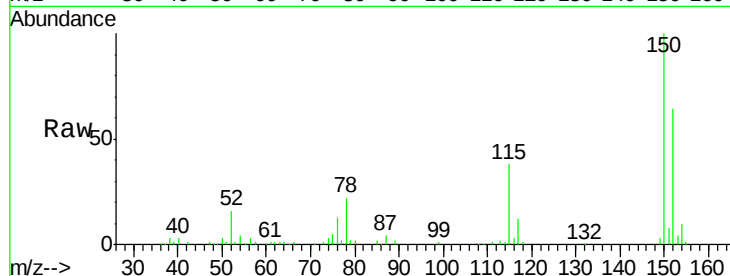
Tot Ion:152 Resp: 89445

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

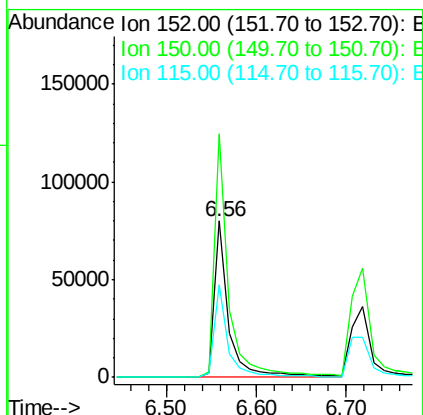
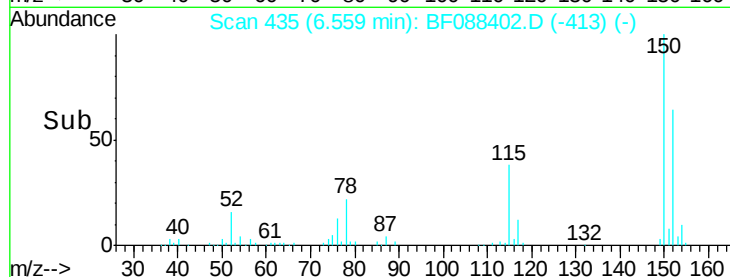
115 59.5 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 20.00 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

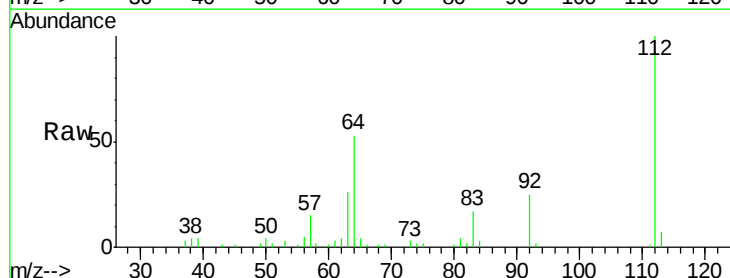
Tgt Ion:112 Resp: 104619

Ion Ratio Lower Upper

112 100

64 52.8 42.2 63.2

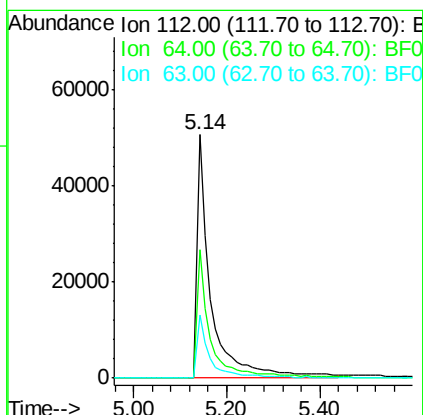
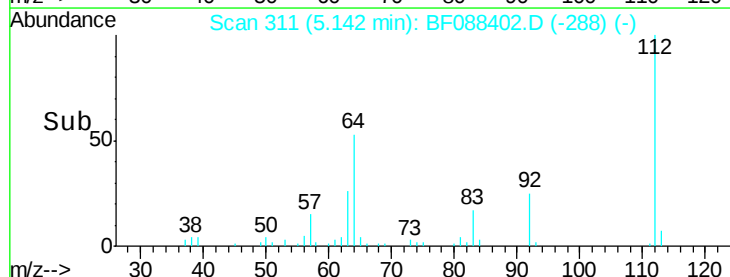
63 26.0 21.8 32.8



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: 20.37 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

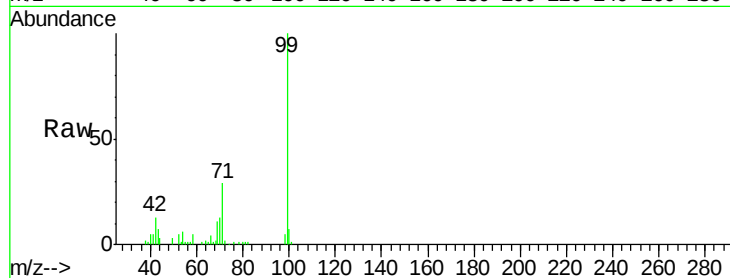
Tot Ion: 99 Resp: 129133

Ion Ratio Lower Upper

99 100

42 12.8 12.2 18.2

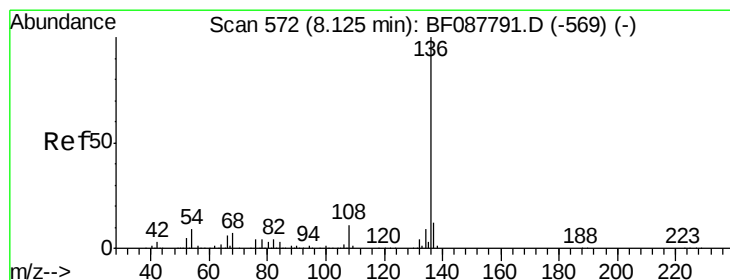
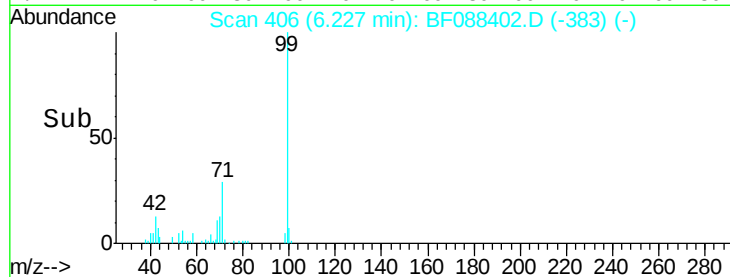
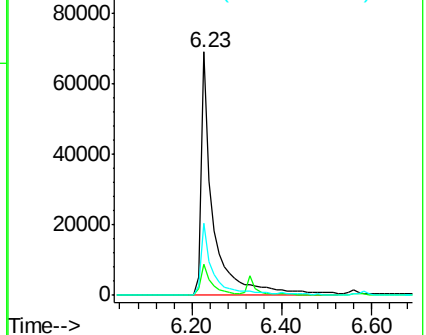
71 29.4 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Tgt Ion: 136 Resp: 365488

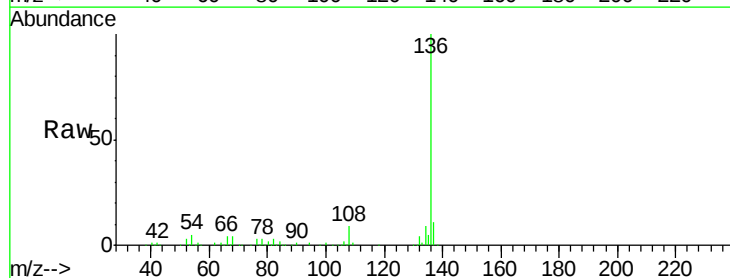
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.1 6.6 10.0#

68 4.3 5.1 7.7#

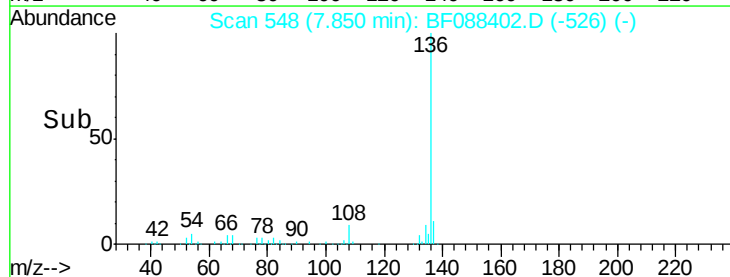
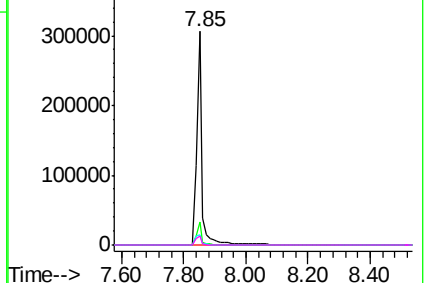


Abundance Ion 136.00 (135.70 to 136.70): E

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

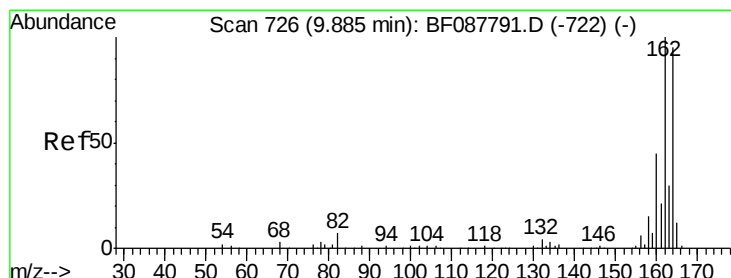
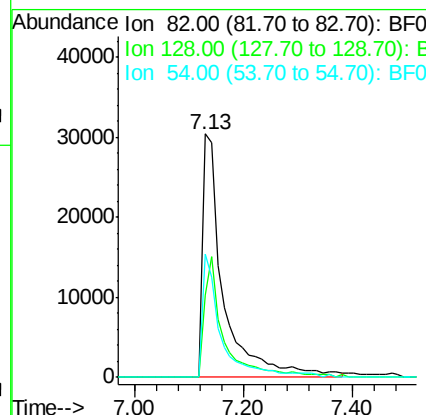
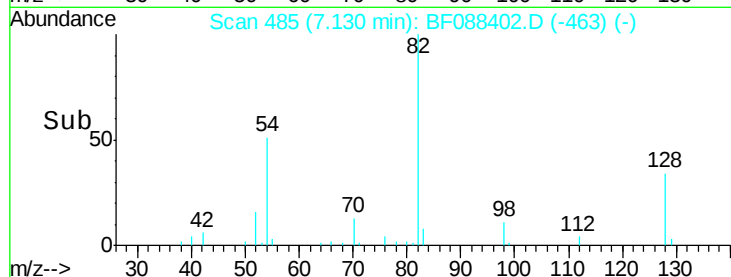
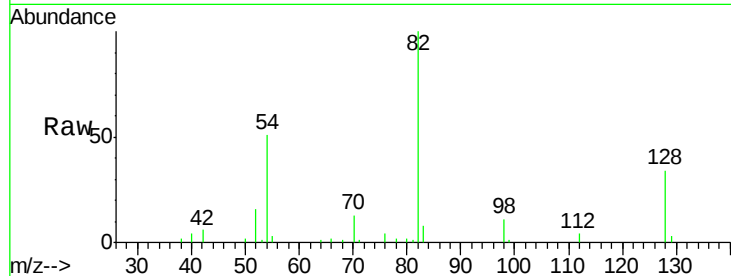




#23
 Nitrobenzene-d5
 Concen: 12.90 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.05 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

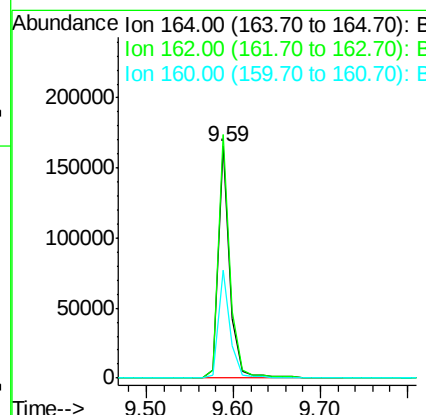
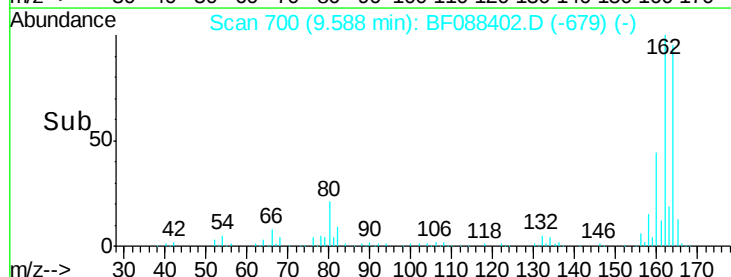
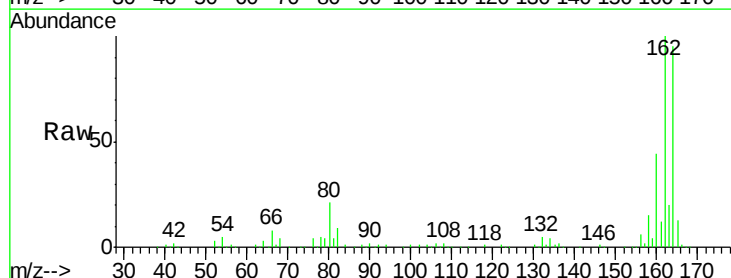
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)DL

Tot Ion: 82 Resp: 80731
 Ion Ratio Lower Upper
 82 100
 128 33.8 35.9 53.9#
 54 50.9 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Tgt Ion:164 Resp: 155788
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.4 128.2
 160 46.7 39.5 59.3

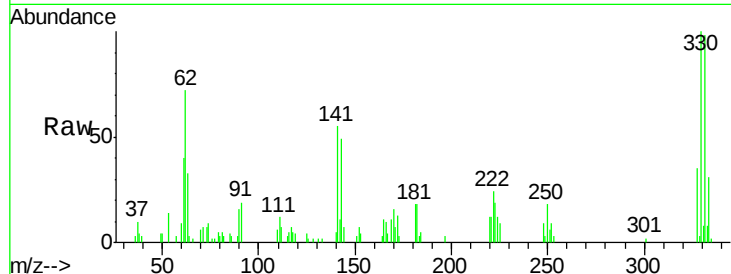




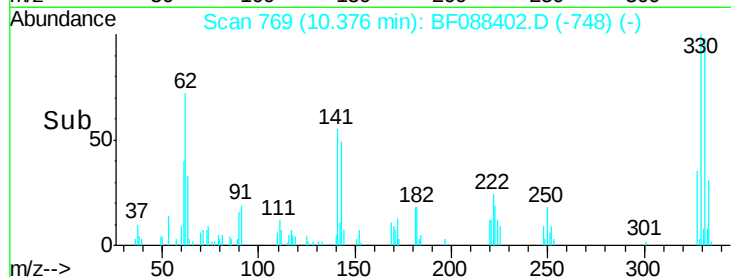
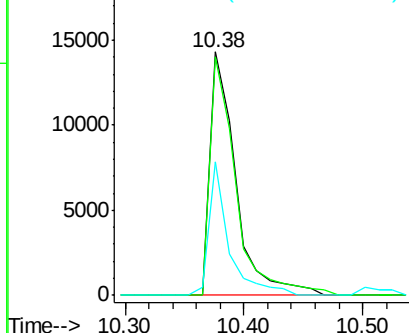
#41
 2,4,6-Tribromophenol
 Concen: 13.07 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	0.0	0.0#
141	42.3	0.0	0.0#

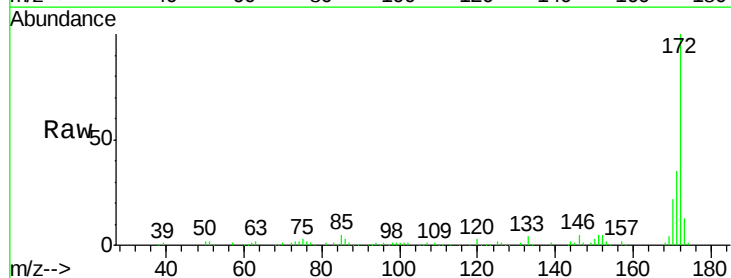


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

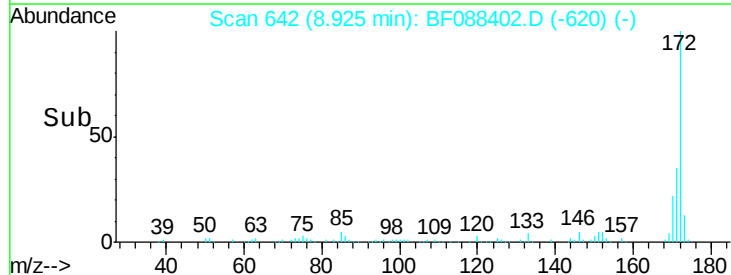
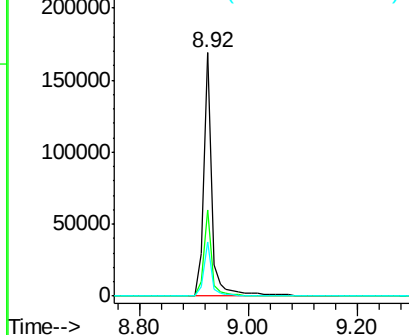


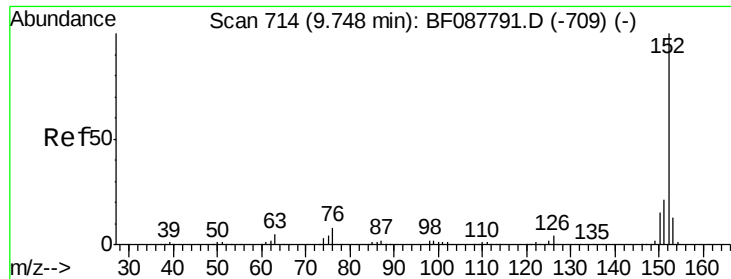
#44
 2-Fluorobiphenyl
 Concen: 12.93 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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





#48

Acenaphthylene

Concen: 3.10 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

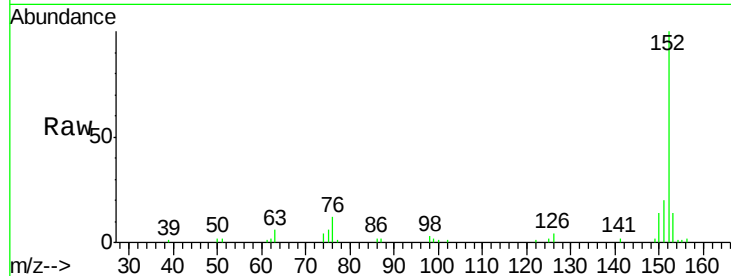
Tot Ion:152 Resp: 49704

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

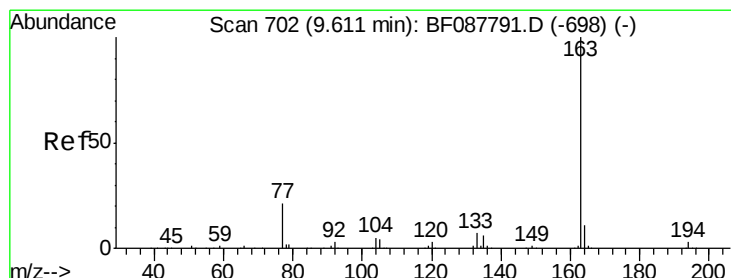
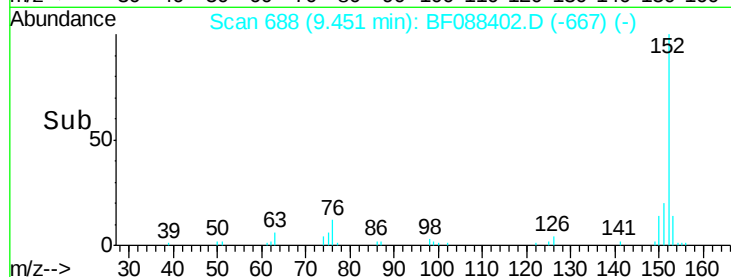
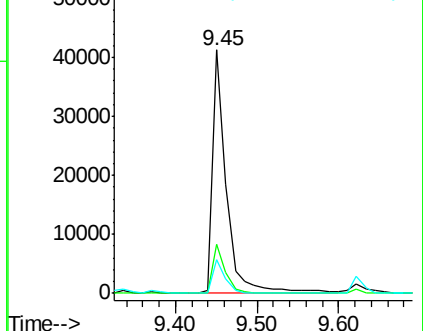
153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.02 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

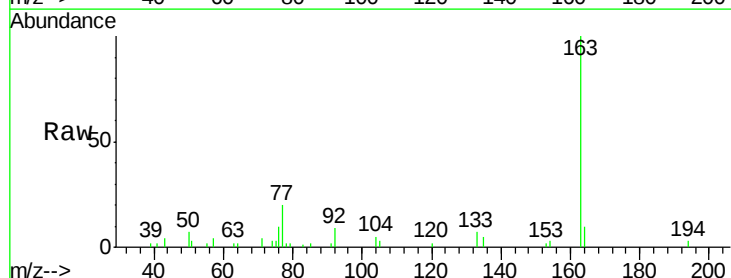
Tgt Ion:163 Resp: 22815

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

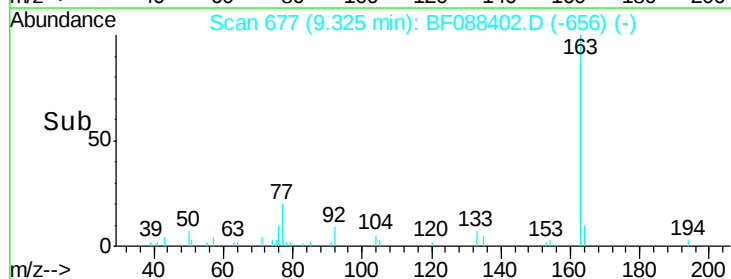
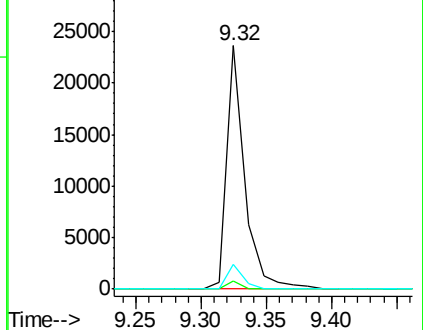
164 10.0 8.3 12.5

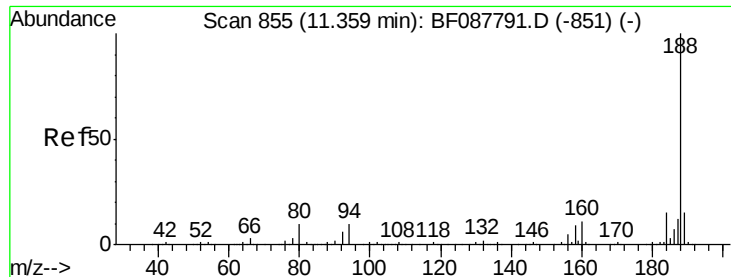


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

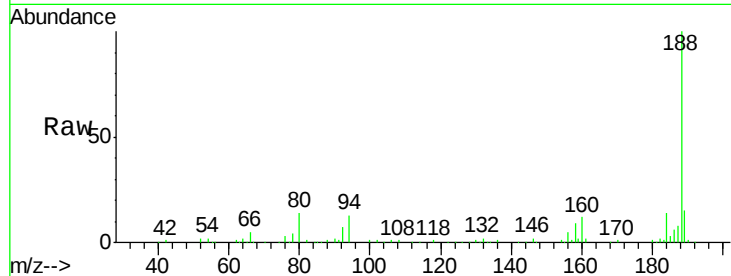




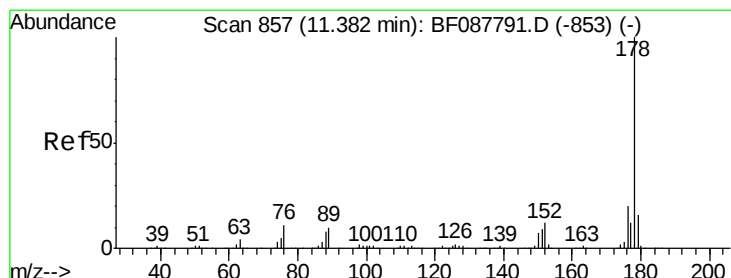
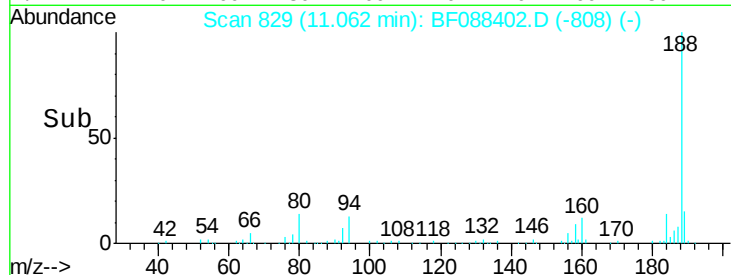
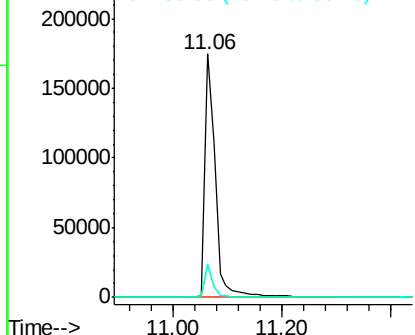
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088402.D
Acq: 26 Jun 2016 5:33

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)DL

Tot Ion:188 Resp: 230881
Ion Ratio Lower Upper
188 100
94 13.2 9.0 13.6
80 13.7 10.0 15.0

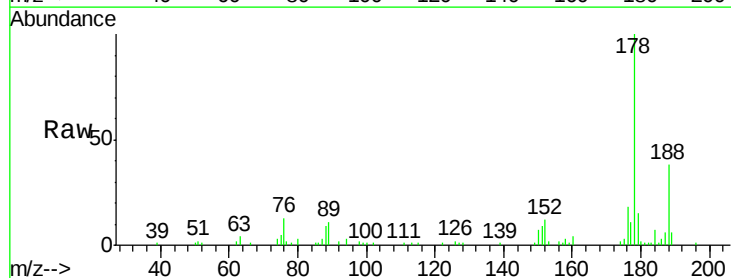


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

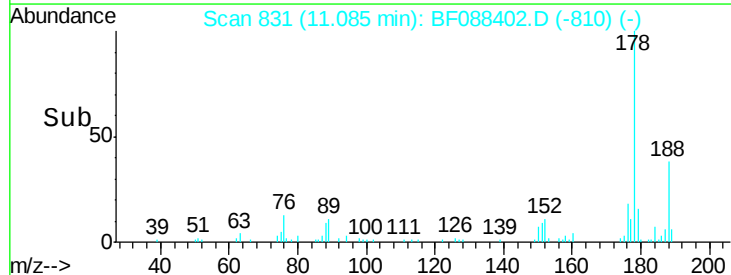
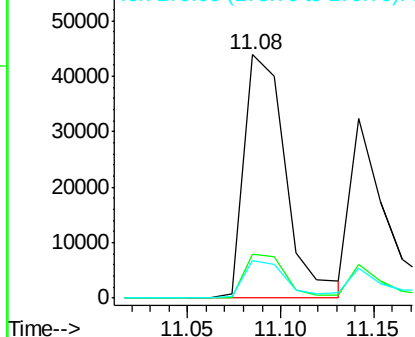


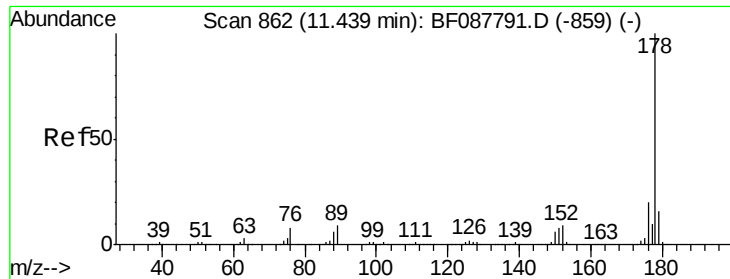
#70
Phenanthrene
Concen: 5.60 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088402.D
Acq: 26 Jun 2016 5:33

Tgt Ion:178 Resp: 67848
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.6
179 15.3 13.0 19.4



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

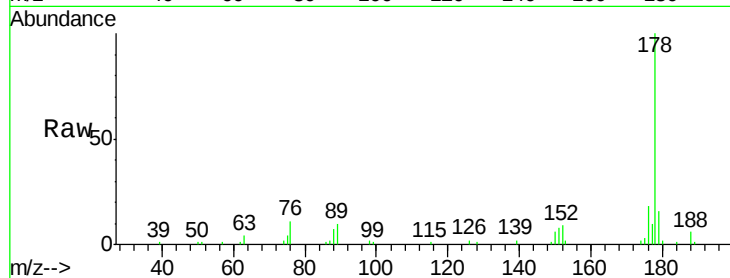




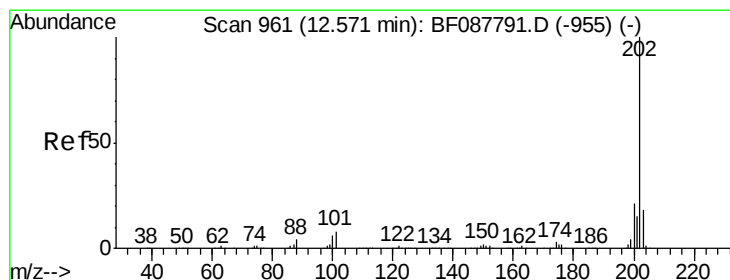
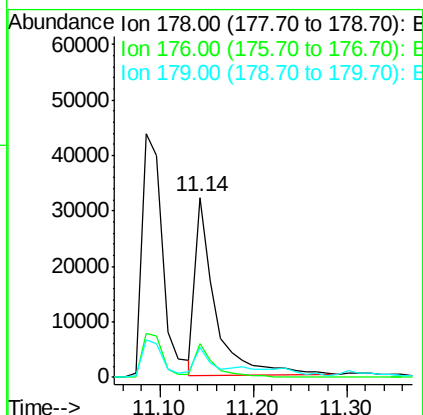
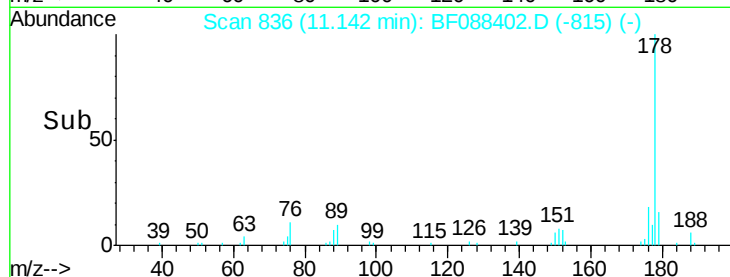
#71
 Anthracene
 Concen: 3.94 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.06 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)DL

Tot Ion:178 Resp: 48129
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 16.2 12.8 19.2

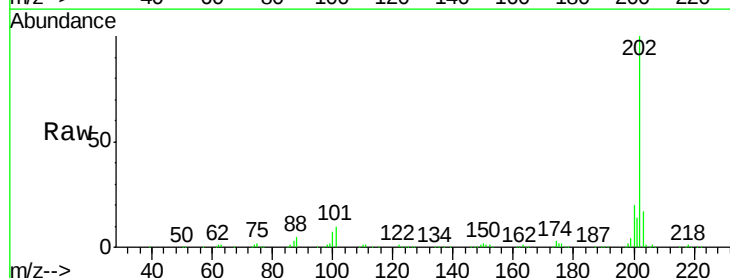


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

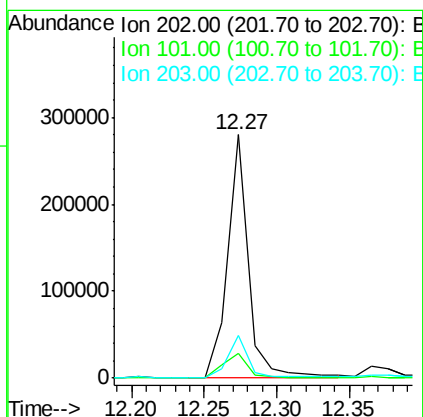
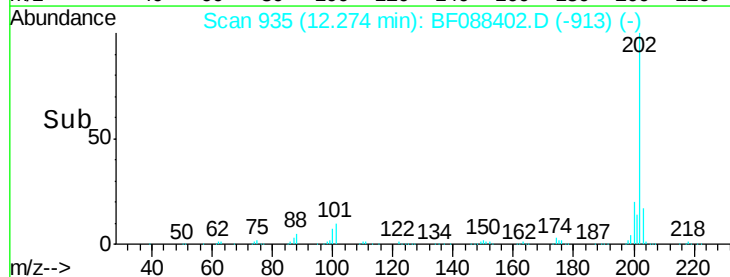


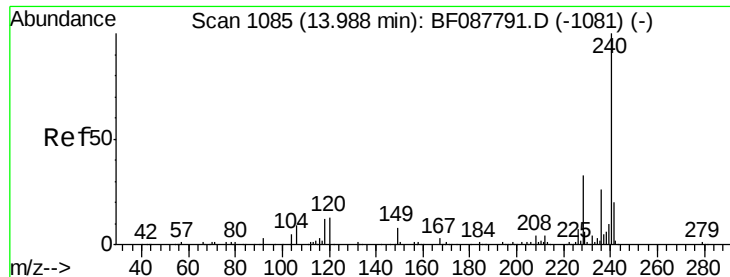
#74
 Fluoranthene
 Concen: 21.75 ng
 RT: 12.27 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Tgt Ion:202 Resp: 278070
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 33.1
 203 17.4 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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

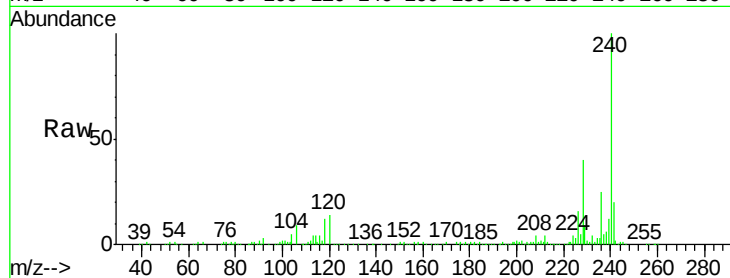
Tot Ion:240 Resp: 195720

Ion Ratio Lower Upper

240 100

120 14.2 6.8 10.2#

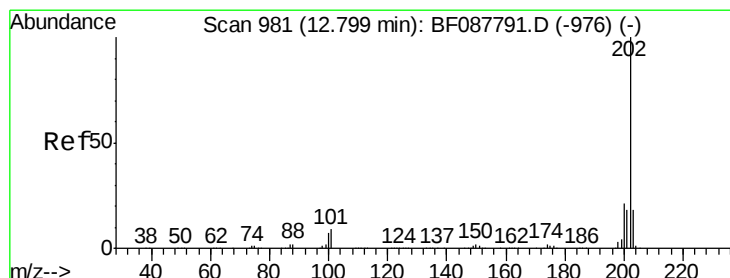
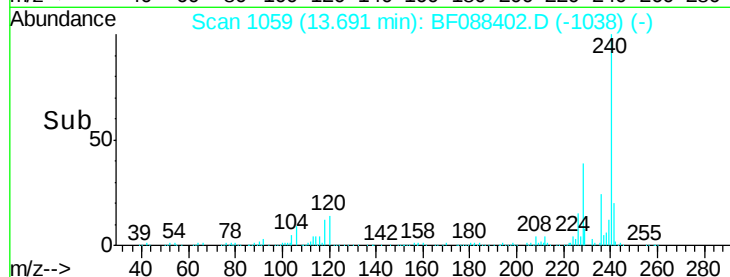
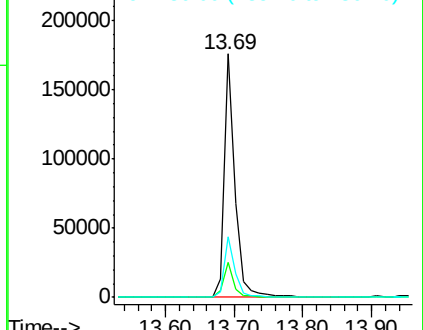
236 24.8 20.2 30.2



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: 18.28 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

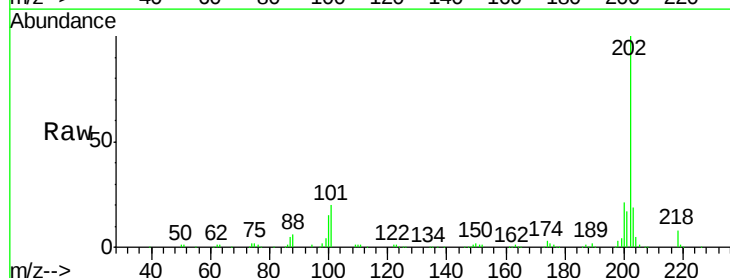
Tgt Ion:202 Resp: 265433

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

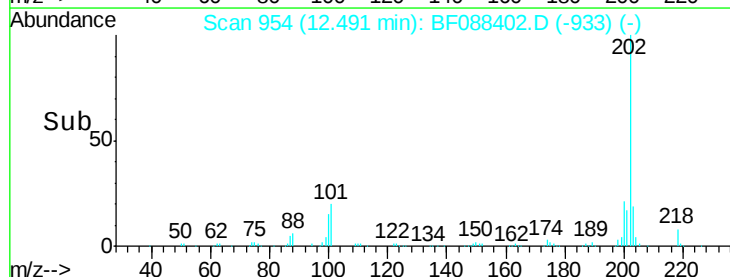
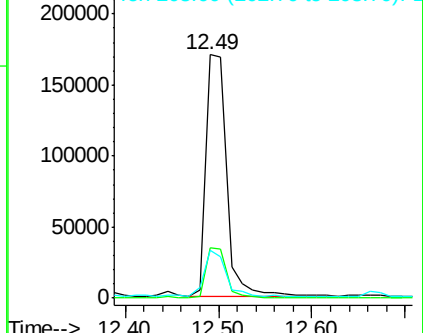
203 19.5 14.5 21.7

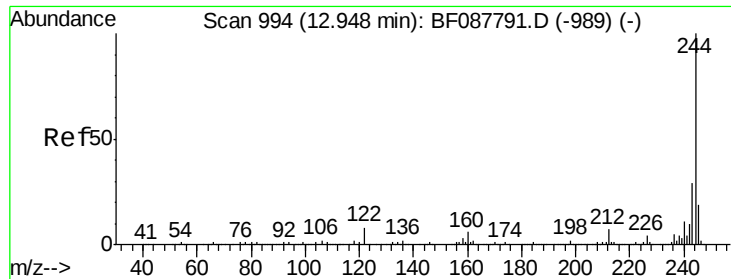


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

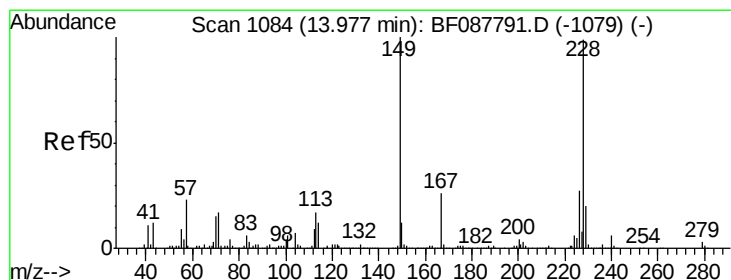
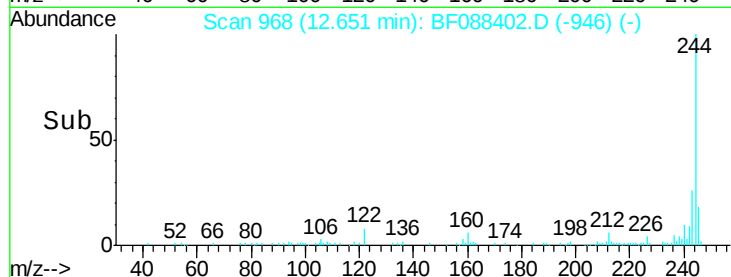
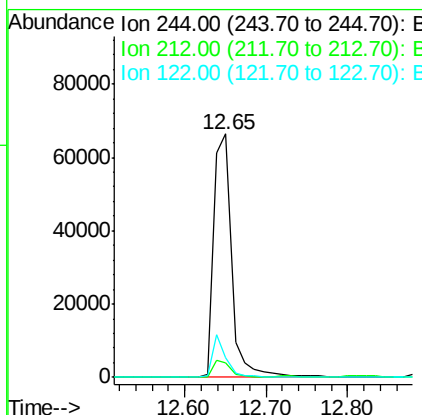
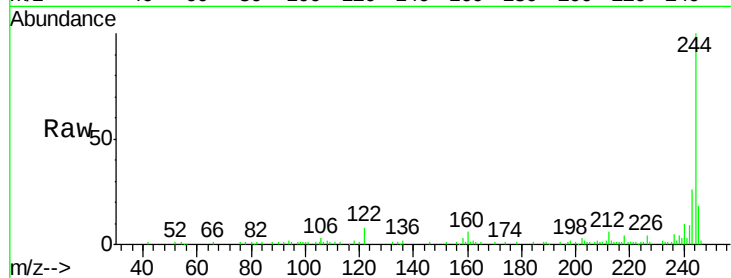




#78
 Terphenyl-d14
 Concen: 11.88 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

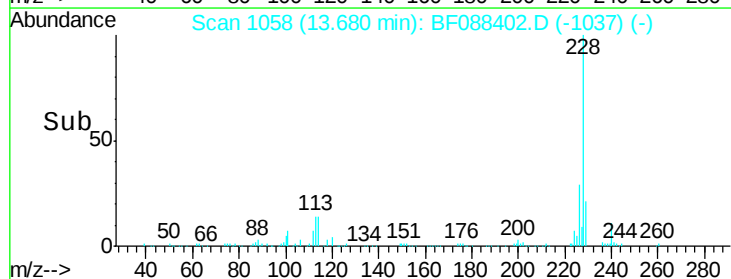
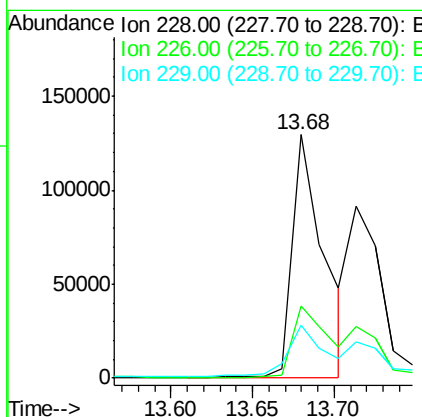
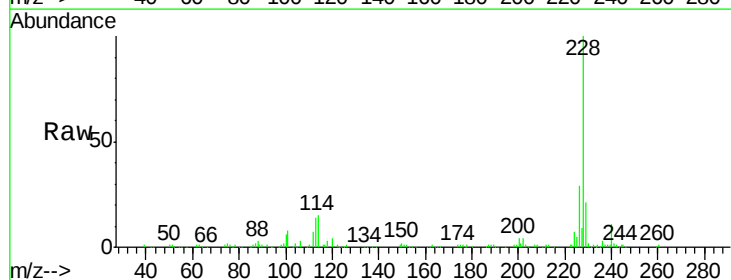
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)DL

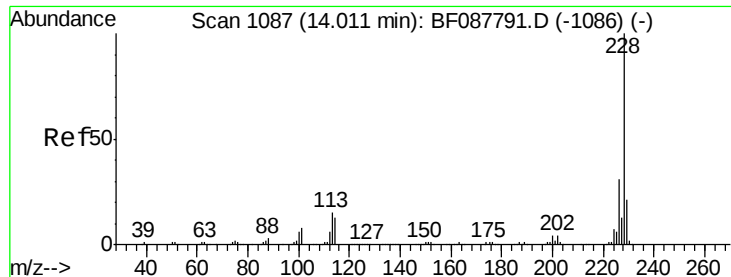
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	8.2	11.2	16.8#



#80
 Benzo(a)anthracene
 Concen: 15.55 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088402.D
 Acq: 26 Jun 2016 5:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.3	33.5
229	21.5	16.0	24.0





#82

Chrysene

Concen: 12.63 ng/mL

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

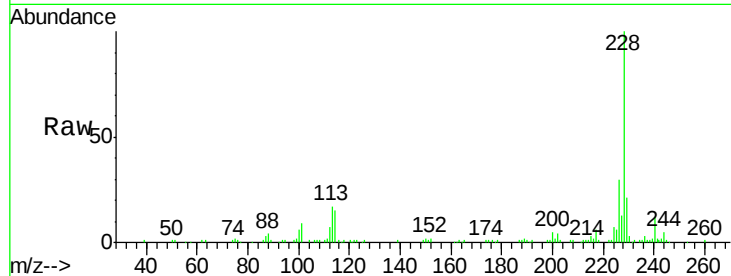
Tot Ion:228 Resp: 132512

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

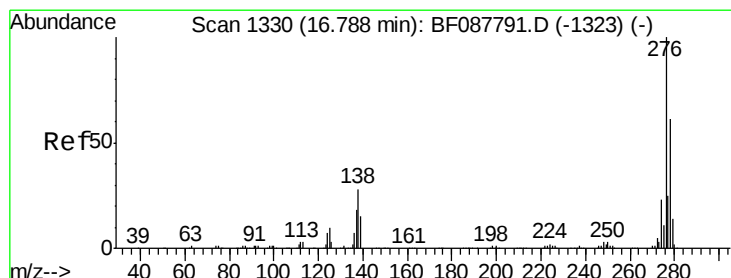
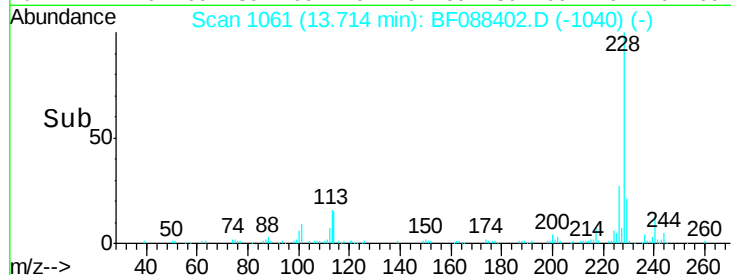
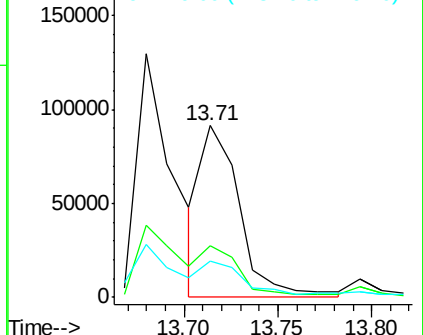
229 21.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.89 ng/mL

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

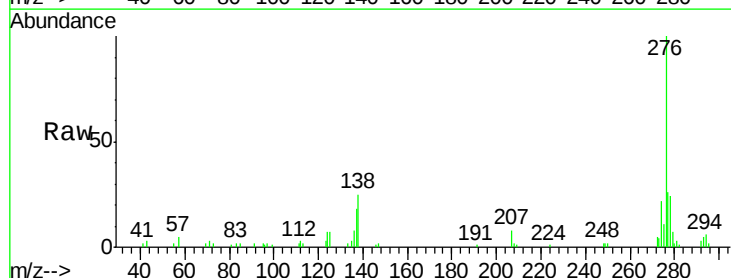
Tgt Ion:276 Resp: 47691

Ion Ratio Lower Upper

276 100

138 31.7 0.0 0.0#

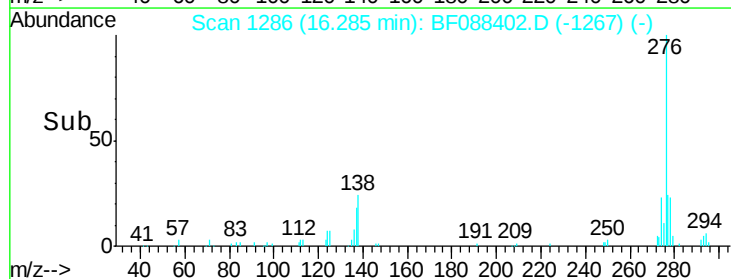
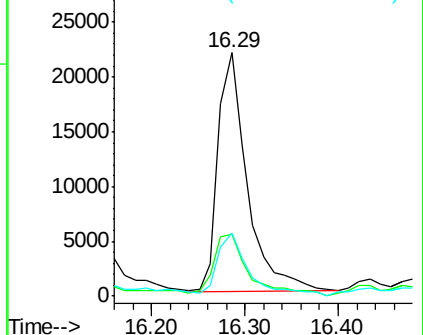
277 28.7 0.0 0.0#

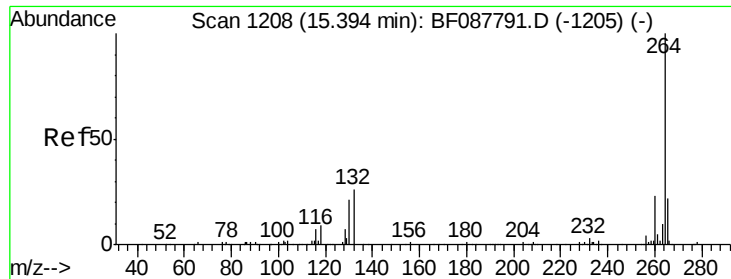


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

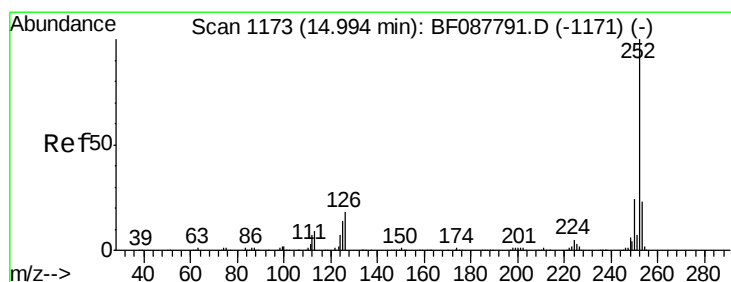
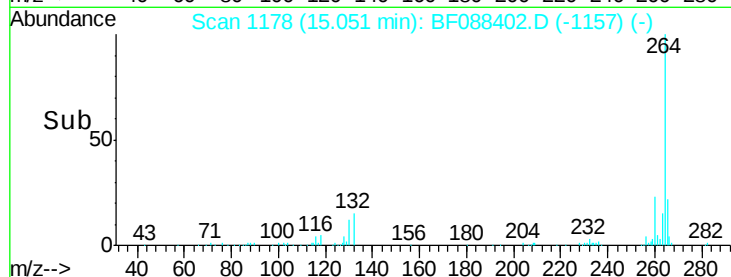
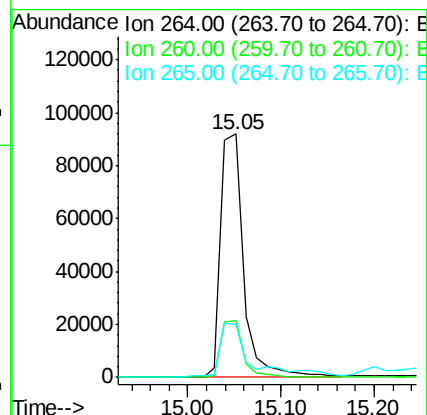
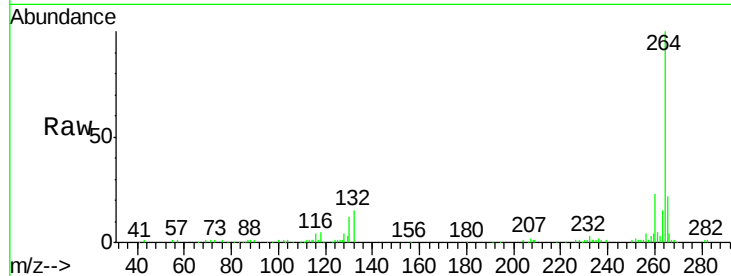




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088402.D
Acq: 26 Jun 2016 5:33

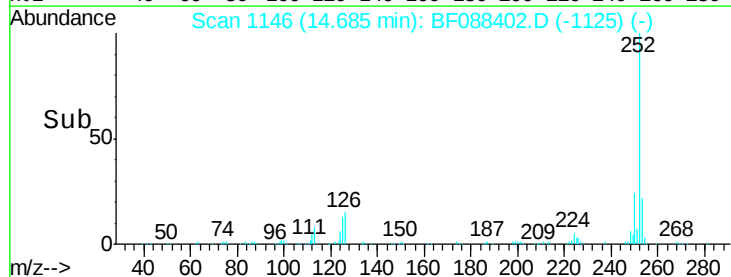
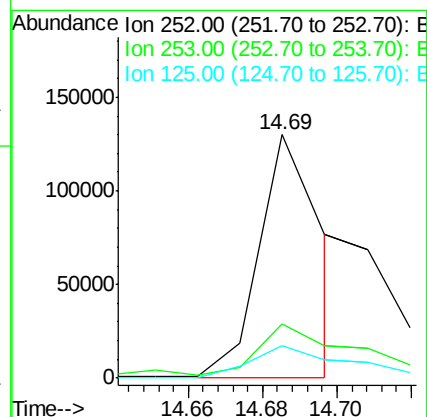
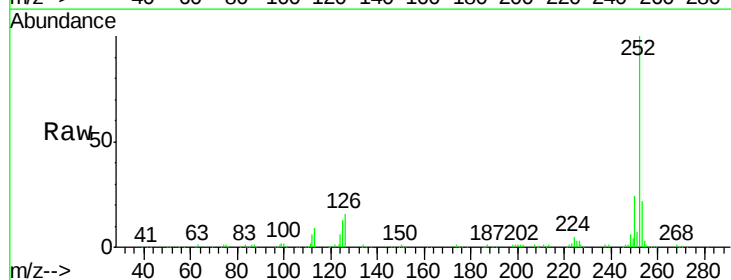
Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)DL

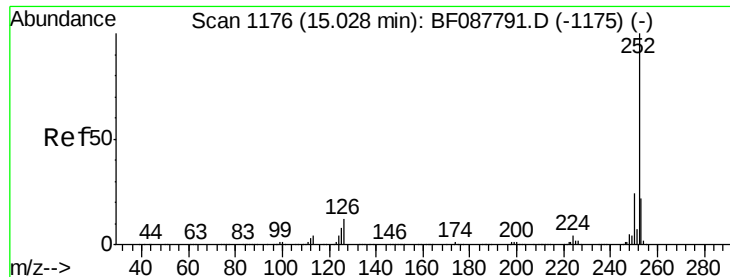
Tot Ion:264 Resp: 157207
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.8 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 14.10 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088402.D
Acq: 26 Jun 2016 5:33

Tgt Ion:252 Resp: 154544
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 13.1 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 9.24 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.07 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

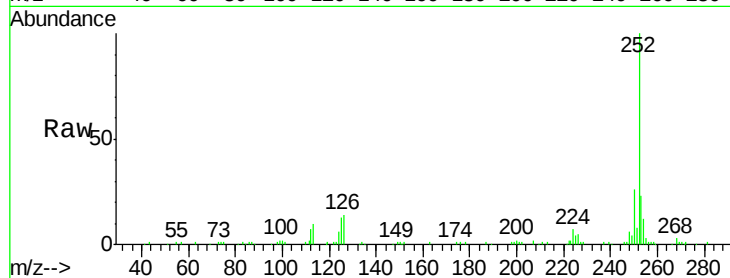
Tot Ion:252 Resp: 76349

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

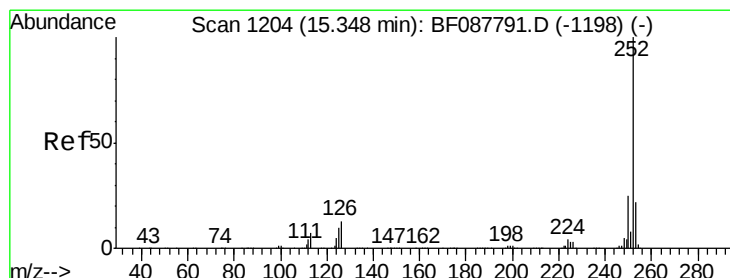
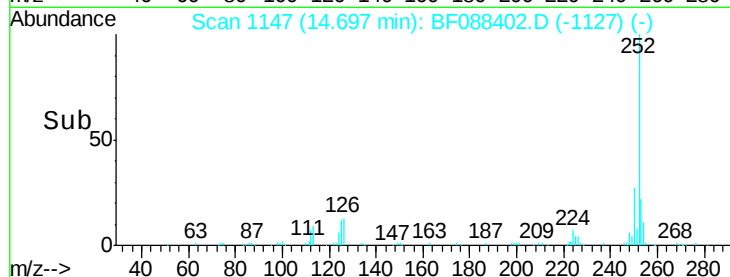
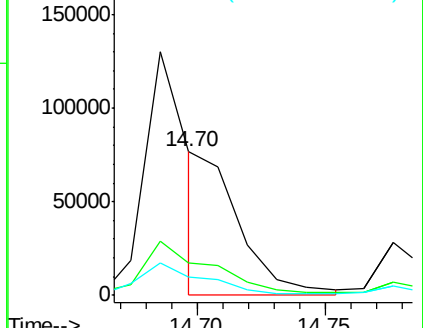
125 12.7 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.87 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.06 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

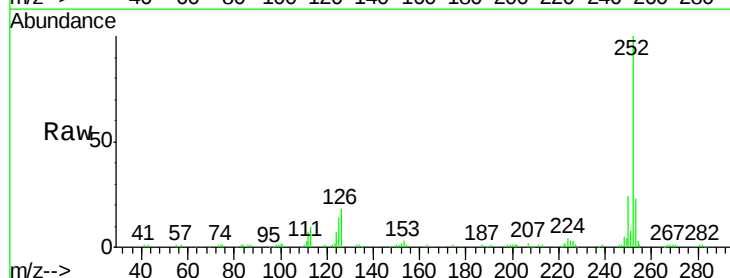
Tgt Ion:252 Resp: 96323

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

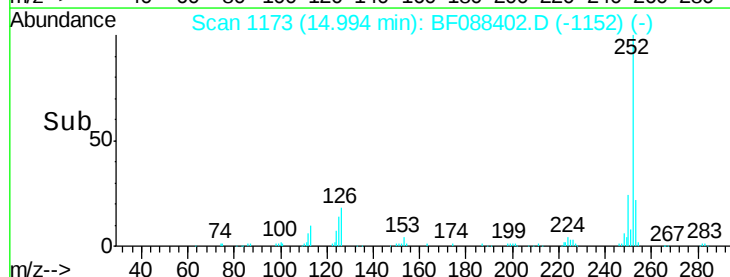
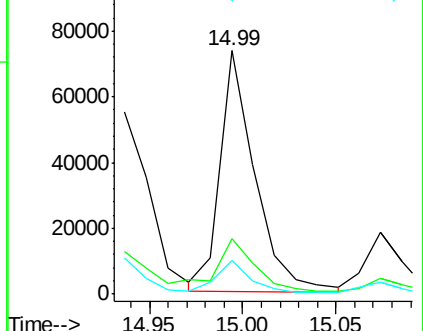
125 13.9 12.5 18.7

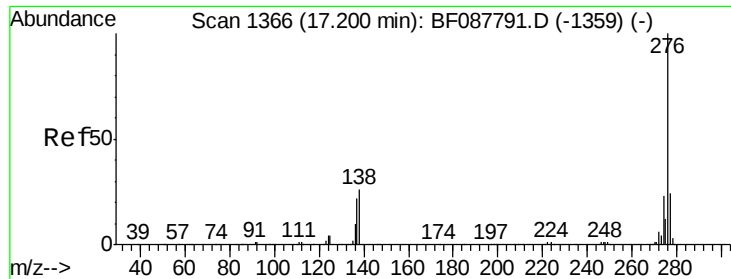


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.52 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088402.D

Acq: 26 Jun 2016 5:33

Instrument :

BNA_F

ClientSampleId :

PM-STA-1436(0-4)DL

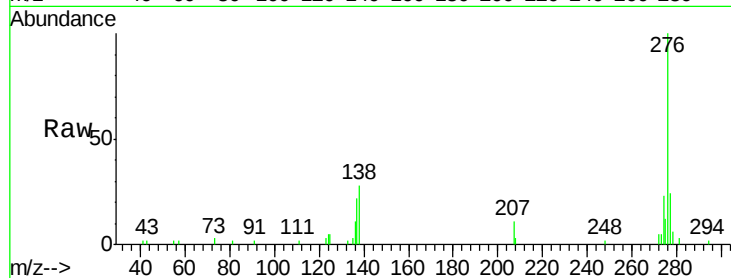
Tot Ion: 276 Resp: 38285

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 28.1 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

