

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
 Data File : BF094869.D
 Acq On : 4 May 2017 10:58
 Operator : SJ/MA
 Sample : I2936-11DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Quant Time: May 04 12:05:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

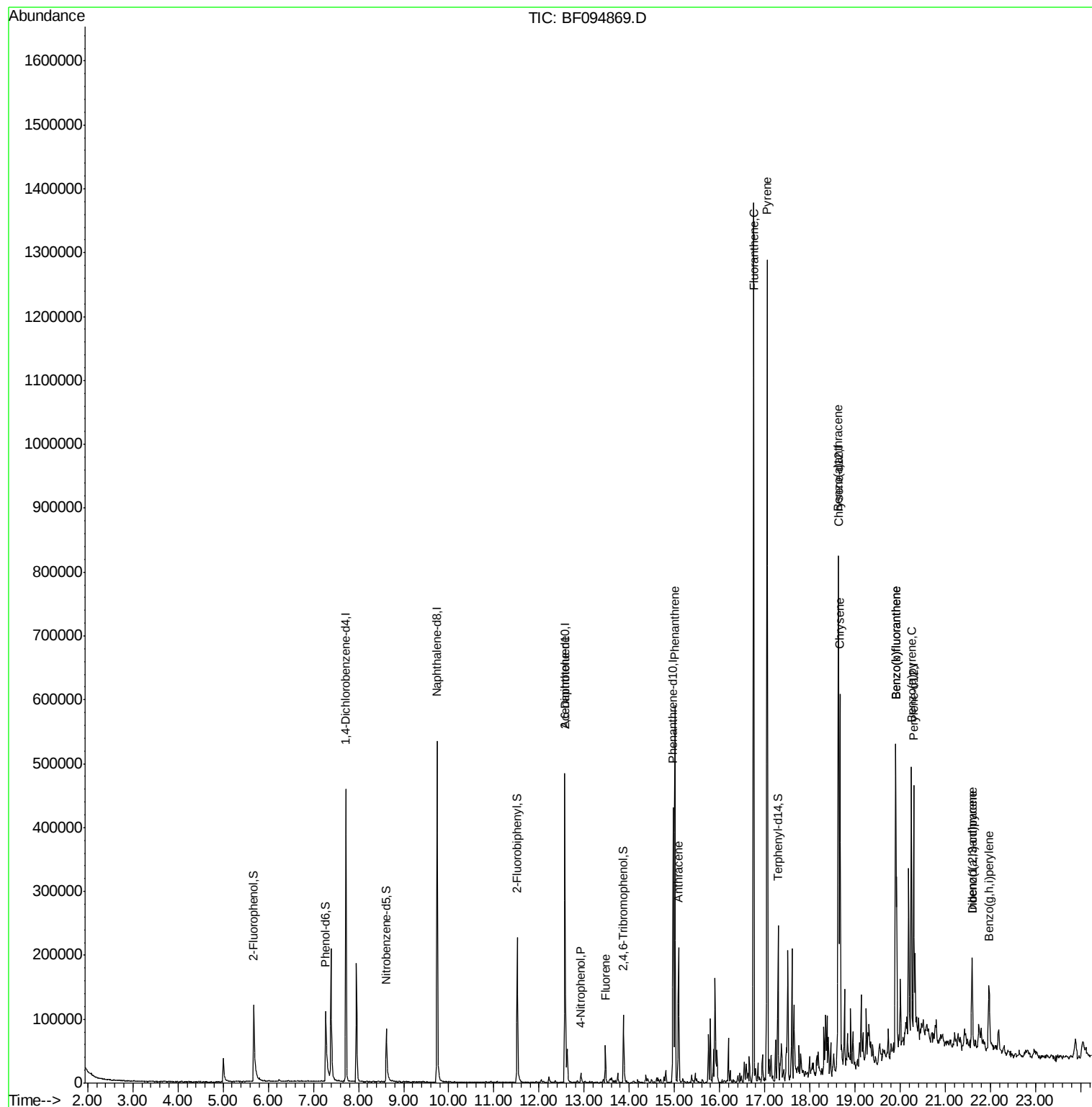
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	94312	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	356431	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	154105	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	212107	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	200515	20.00	ng	-0.01
86) Perylene-d12	20.30	264	149586	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	85034	15.03	ng	0.00
7) Phenol-d6	7.27	99	104026	15.33	ng	0.00
23) Nitrobenzene-d5	8.62	82	55953	9.90	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	17243	13.66	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	117643	10.99	ng	-0.01
78) Terphenyl-d14	17.29	244	78071	8.58	ng	-0.02
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.57	165	14819	5.74	ng	# 31
55) 4-Nitrophenol	12.92	139	4563	2.74	ng	# 25
57) Fluorene	13.47	166	24744	2.10	ng	99
70) Phenanthrene	15.01	178	307701	25.25	ng	98
71) Anthracene	15.09	178	119303	9.58	ng	97
74) Fluoranthene	16.75	202	656107	52.48	ng	98
77) Pyrene	17.05	202	535274	35.69	ng	97
80) Benzo(a)anthracene	18.62	228	288779	24.75	ng	97
82) Chrysene	18.67	228	234029	20.74	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	77179	8.42	ng	96
87) Benzo(b)fluoranthene	19.90	252	344470	37.27	ng	99
88) Benzo(k)fluoranthene	19.90	252	344470	38.64	ng	97
89) Benzo(a)pyrene	20.25	252	176483	20.69	ng	97
90) Dibenzo(a,h)anthracene	21.60	278	21338	3.03	ng	# 88
91) Benzo(g,h,i)perylene	21.97	276	71041	10.28	ng	95

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

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
Data File : BF094869.D
Acq On : 4 May 2017 10:58
Operator : SJ/MA
Sample : I2936-11DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Quant Time: May 04 12:05:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration



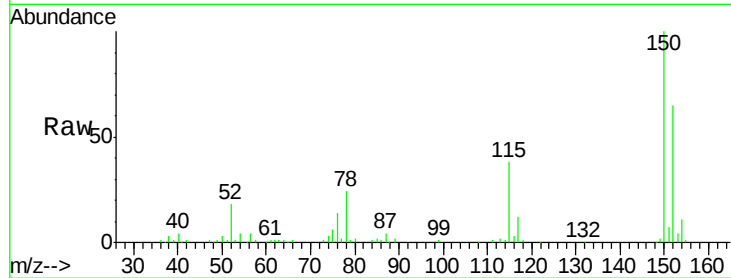


#1

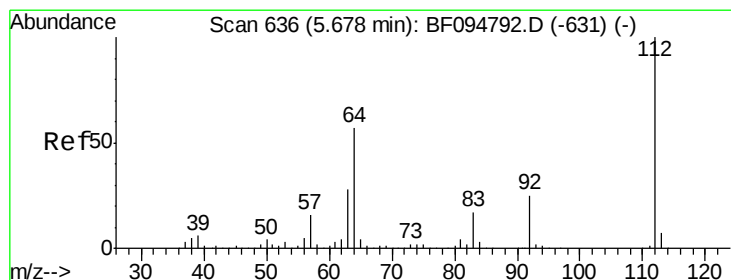
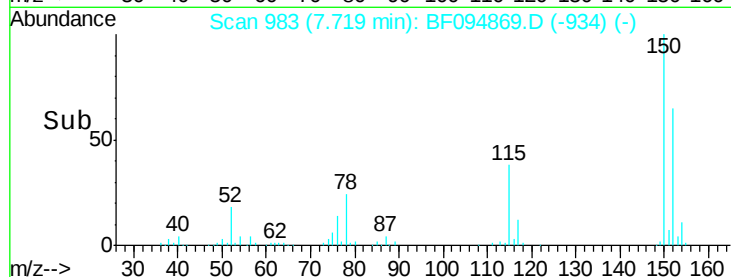
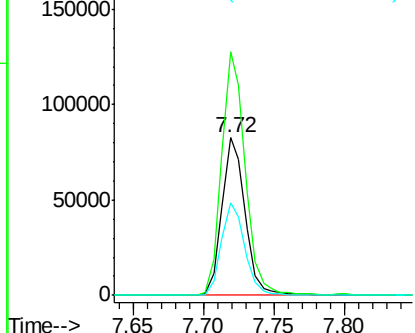
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Tgt Ion:152 Resp: 94312
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 58.5 52.2 78.2



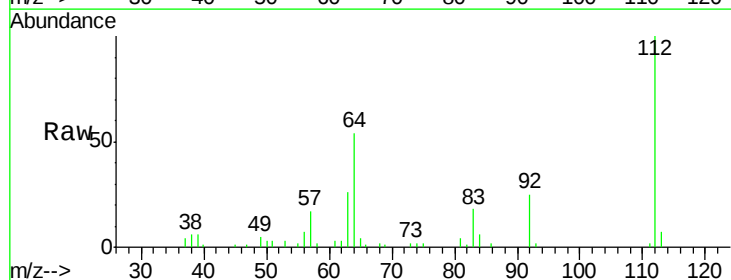
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



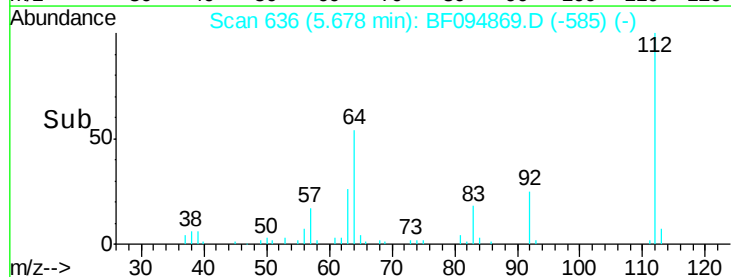
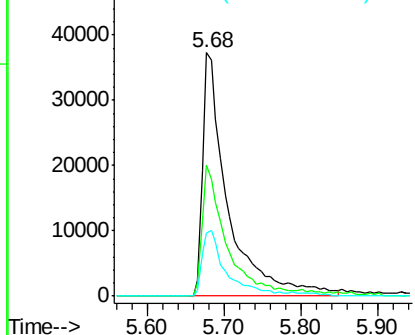
#5

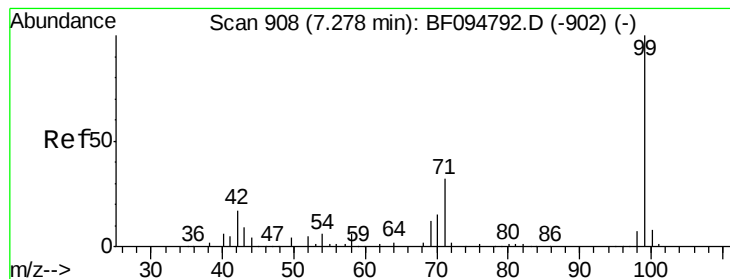
2-Fluorophenol
Concen: 15.03 ng
RT: 5.68 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion:112 Resp: 85034
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 25.8 23.4 35.0



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: 15.33 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

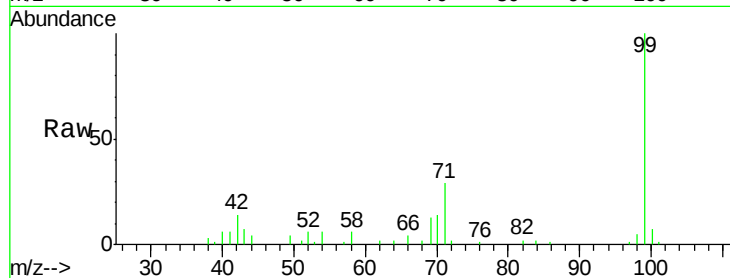
Tgt Ion: 99 Resp: 104026

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

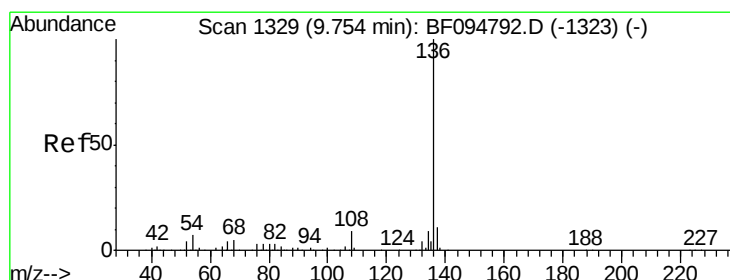
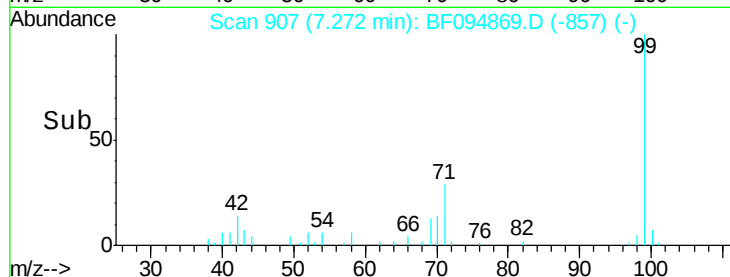
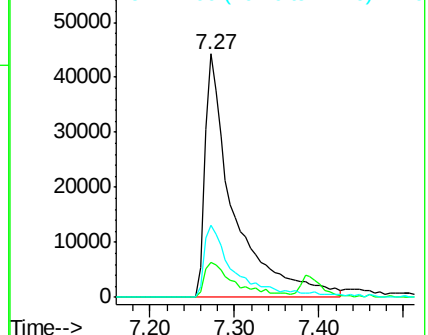
71 29.4 24.5 36.7



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: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Tgt Ion: 136 Resp: 356431

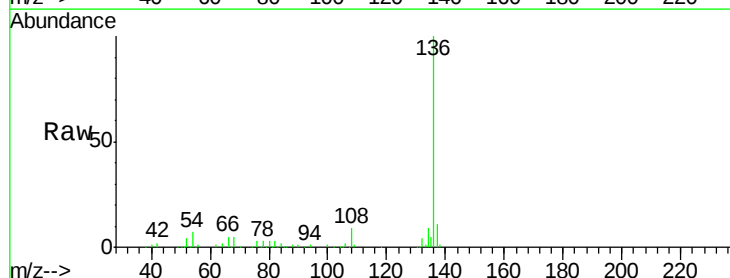
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.7 4.9 7.3

68 5.2 4.1 6.1

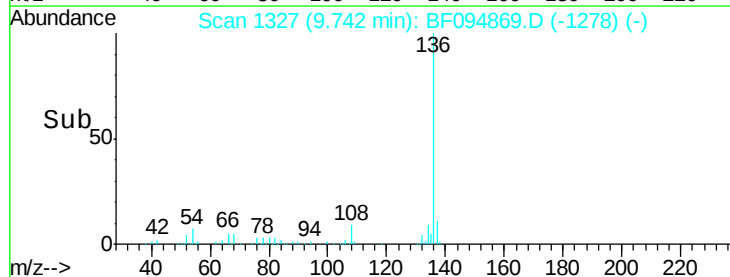
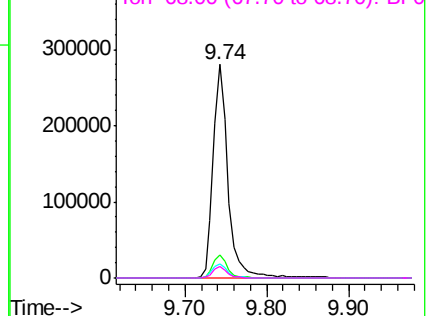


Abundance Ion 136.00 (135.70 to 136.70): E

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

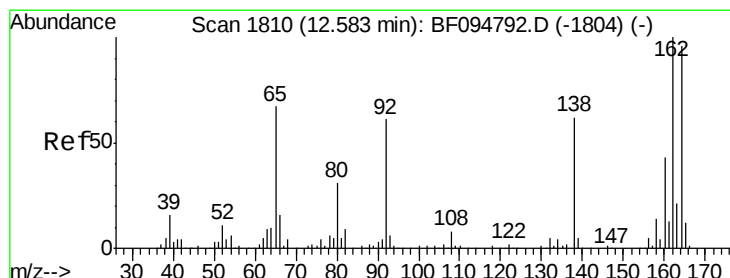
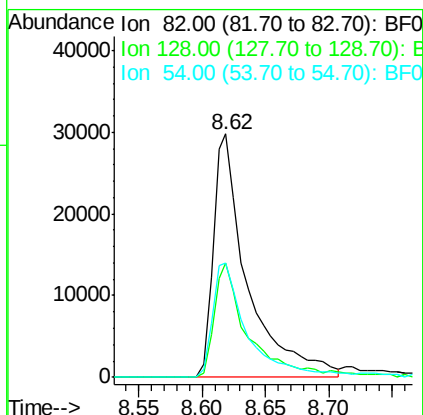
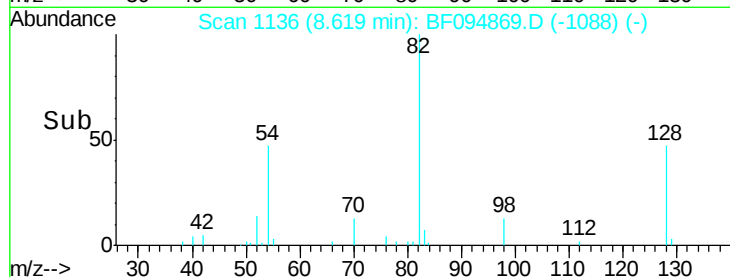
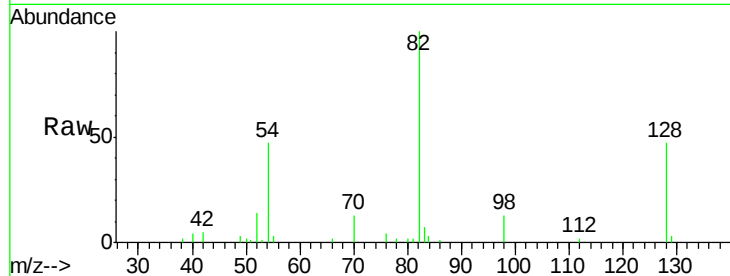




#23
Nitrobenzene-d5
Concen: 9.90 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

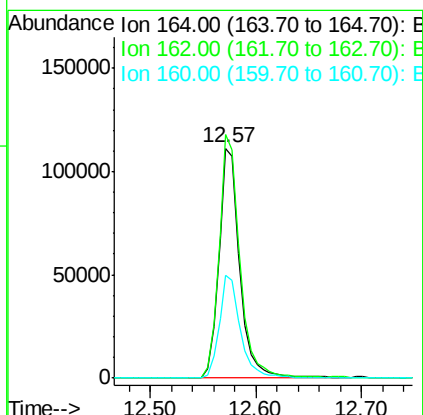
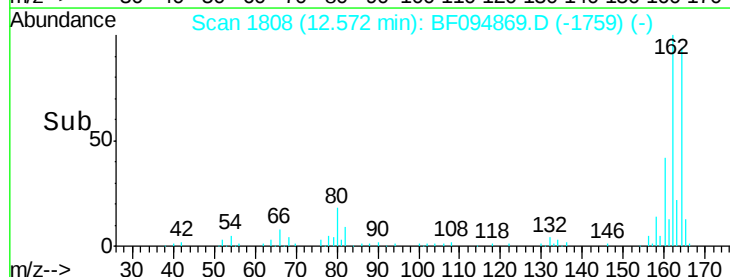
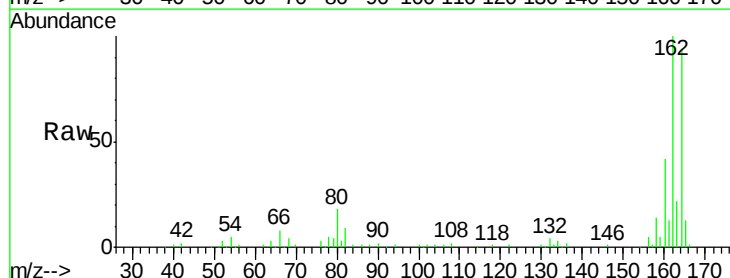
Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

Tgt Ion: 82 Resp: 55953
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 47.0 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion: 164 Resp: 154105
Ion Ratio Lower Upper
164 100
162 106.0 82.6 123.8
160 44.9 36.2 54.2

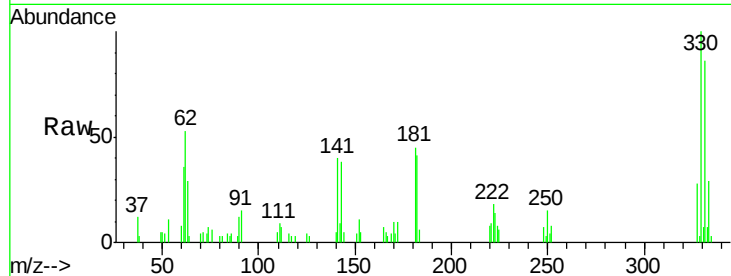




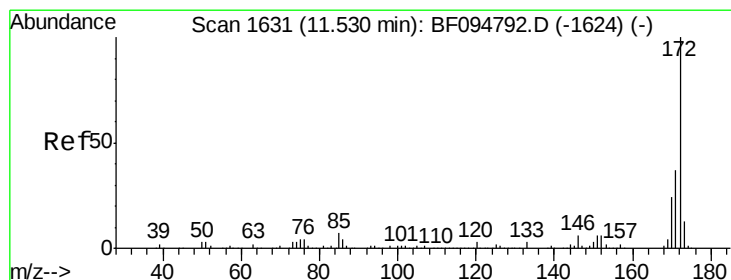
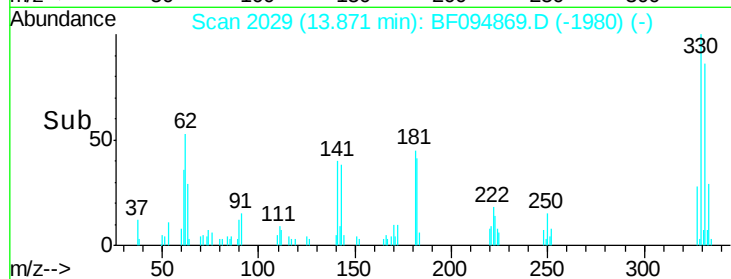
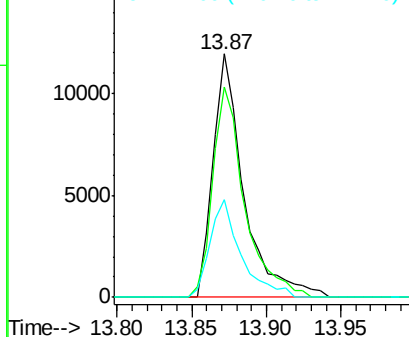
#41
 2,4,6-Tribromophenol
 Concen: 13.66 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion:330 Resp: 17243
 Ion Ratio Lower Upper
 330 100
 332 89.4 76.6 115.0
 141 39.9 31.4 47.2

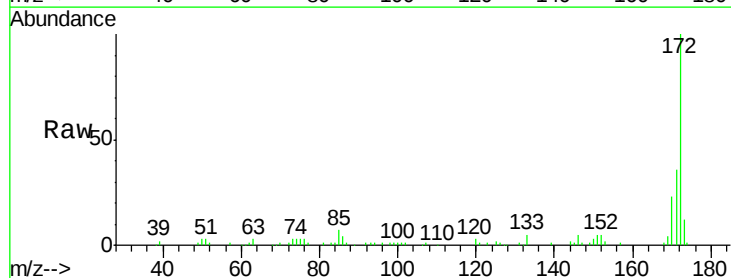


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

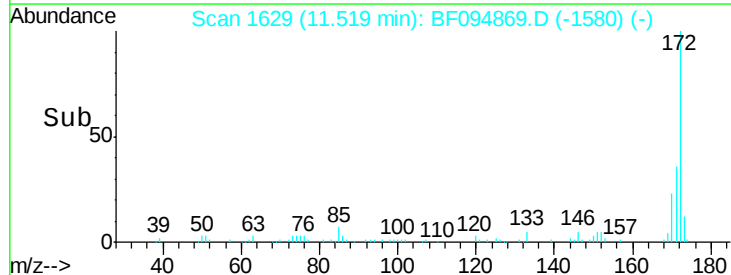
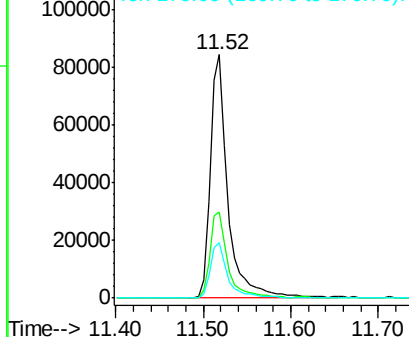


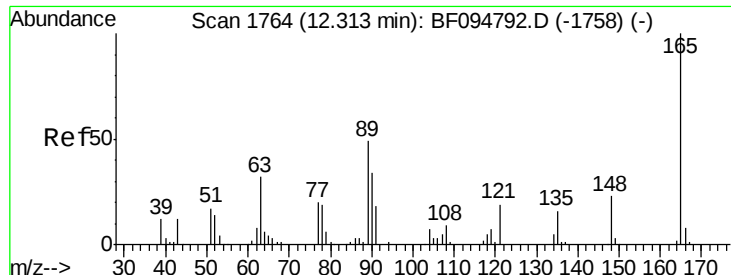
#44
 2-Fluorobiphenyl
 Concen: 10.99 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion:172 Resp: 117643
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 22.7 19.8 29.8



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

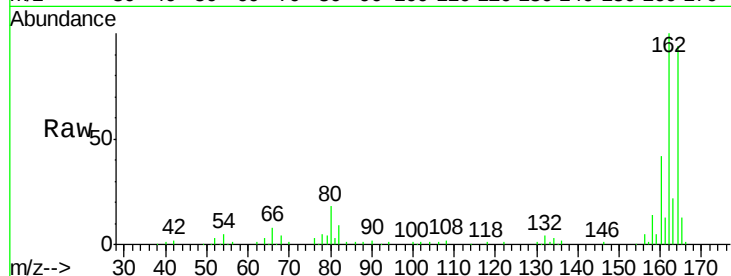




#50
 2,6-Dinitrotoluene
 Concen: 5.74 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. 0.26 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

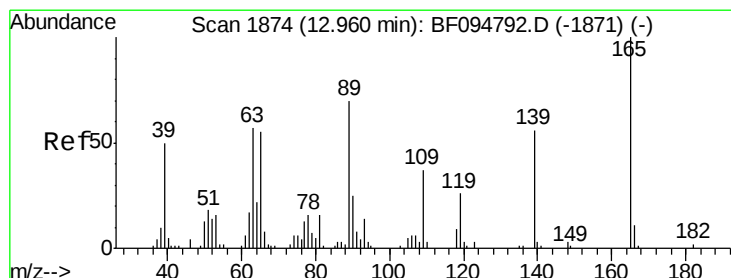
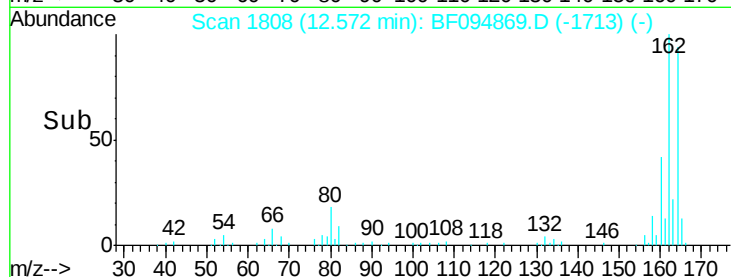
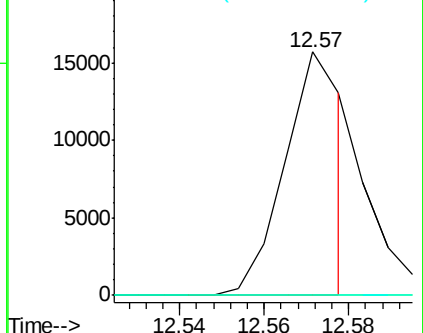
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

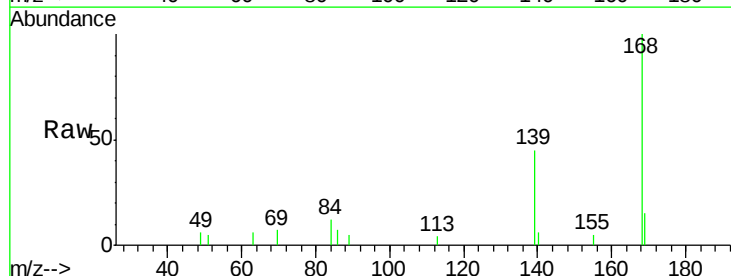
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
 4-Nitrophenol
 Concen: 2.74 ng
 RT: 12.92 min Scan# 1868
 Delta R.T. -0.04 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

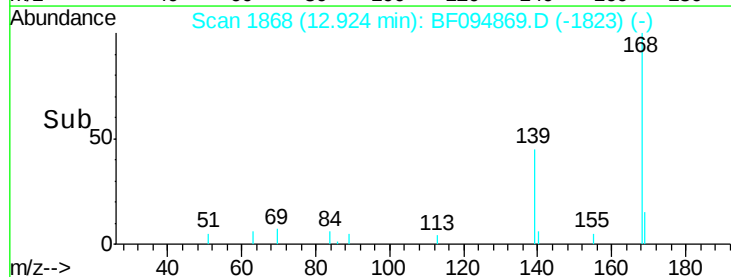
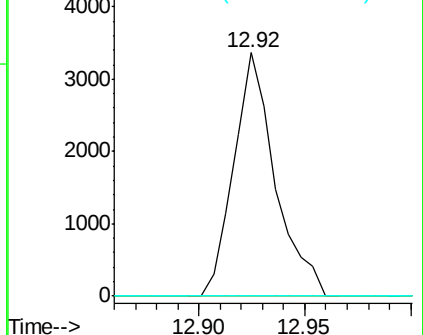
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

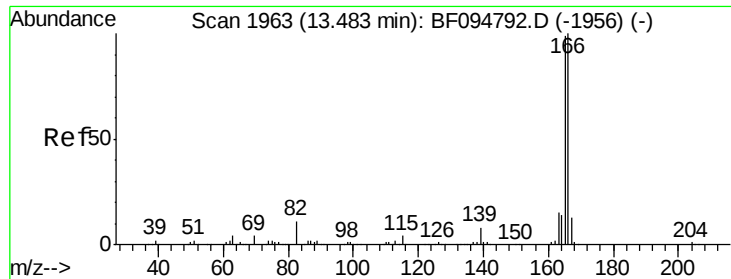


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

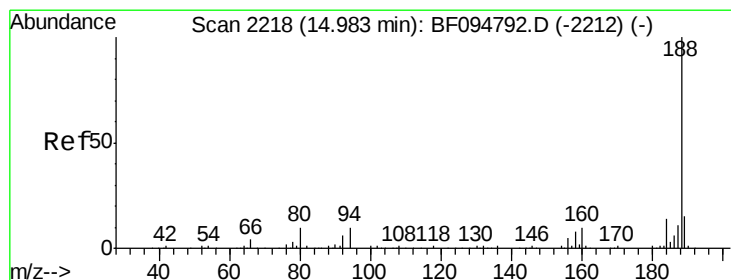
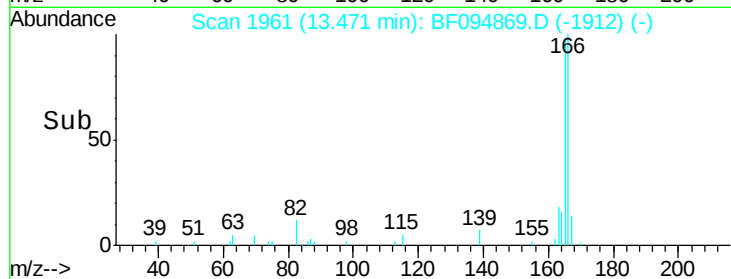
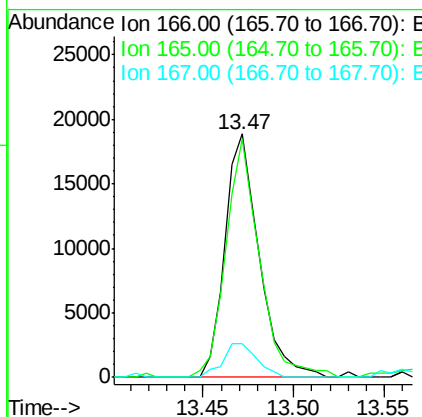
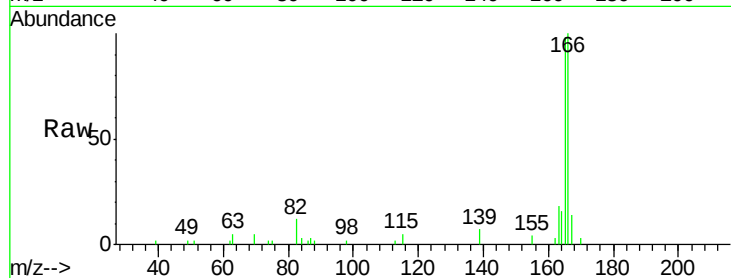




#57
 Fluorene
 Concen: 2.10 ng
 RT: 13.47 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

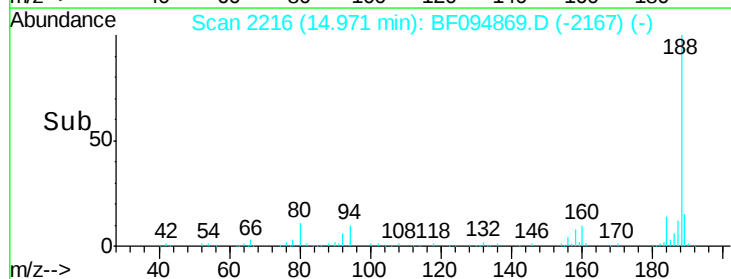
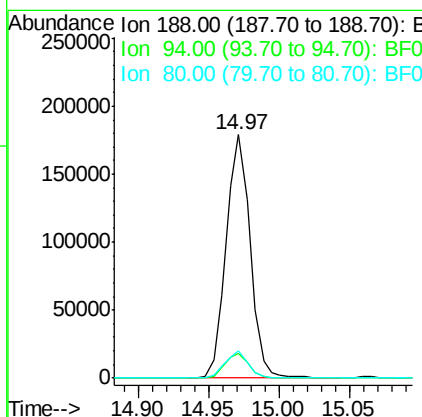
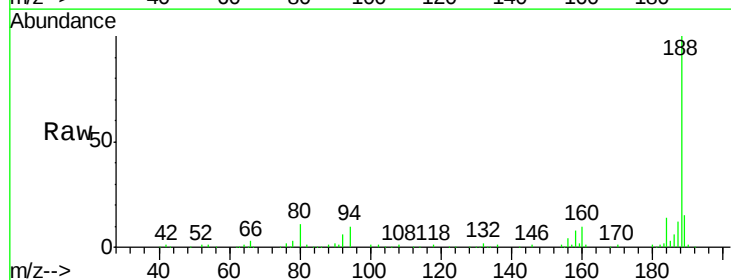
Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

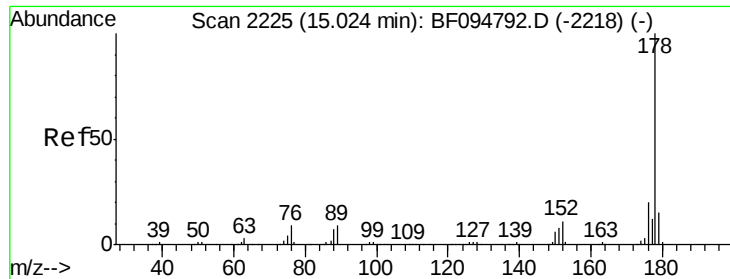
Tgt Ion:166 Resp: 24744
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.8 118.2
 167 13.9 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion:188 Resp: 212107
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 11.1 10.2 15.2

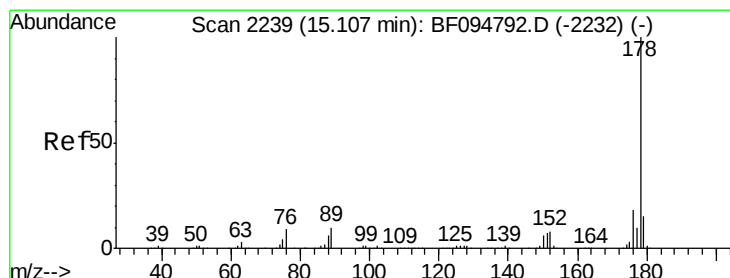
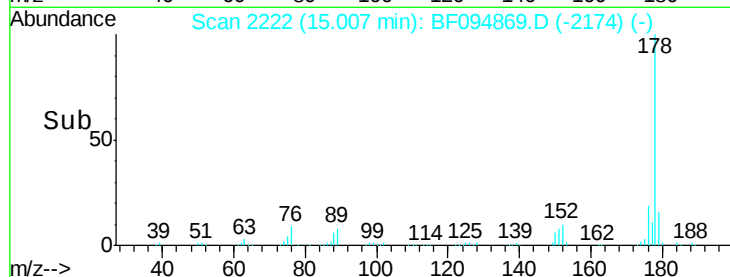
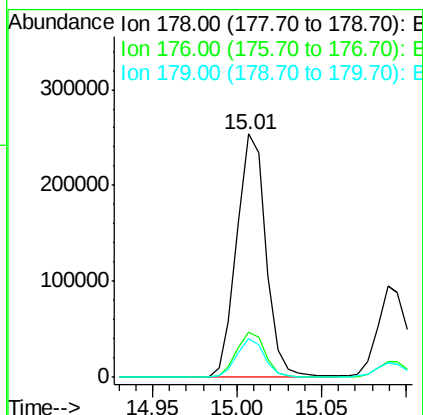
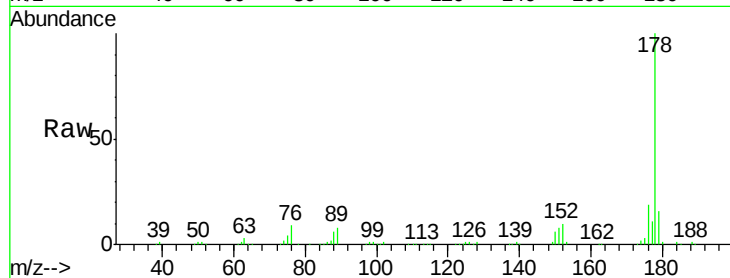




#70
Phenanthrene
Concen: 25.25 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

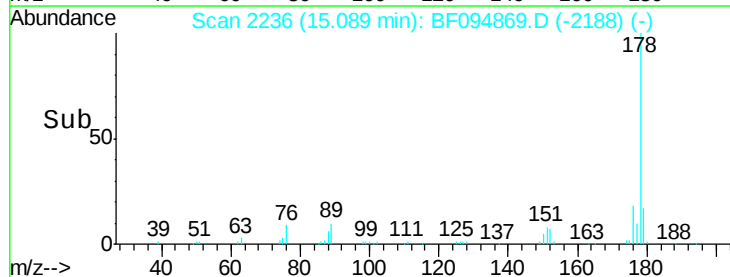
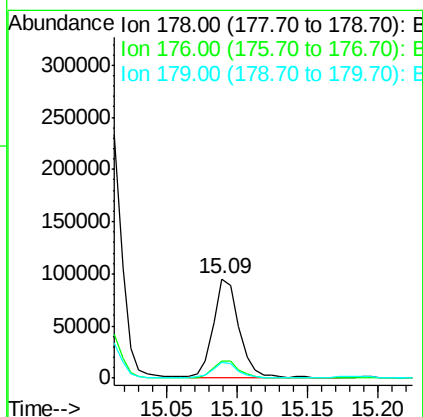
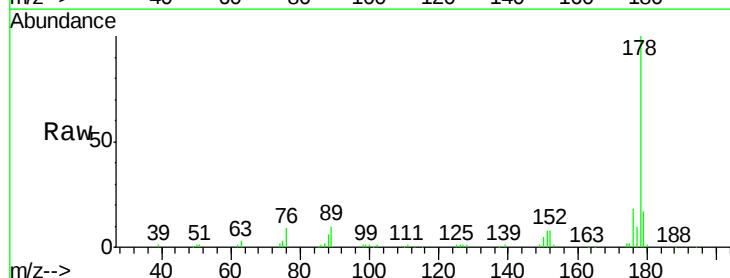
Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)DL

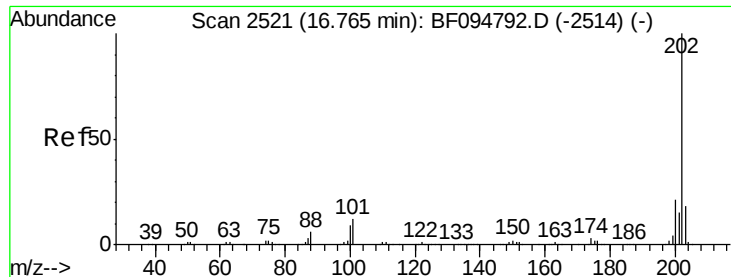
Tgt Ion:178 Resp: 307701
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.8 12.6 19.0



#71
Anthracene
Concen: 9.58 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF094869.D
Acq: 4 May 2017 10:58

Tgt Ion:178 Resp: 119303
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.8
179 16.6 12.7 19.1

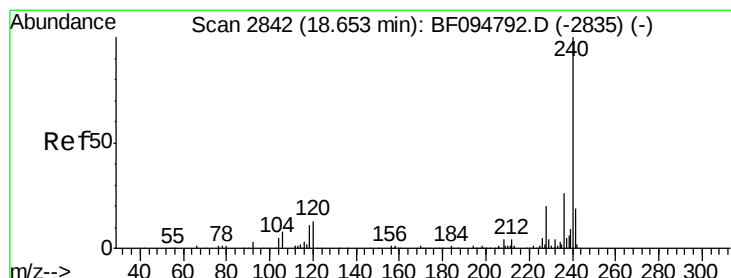
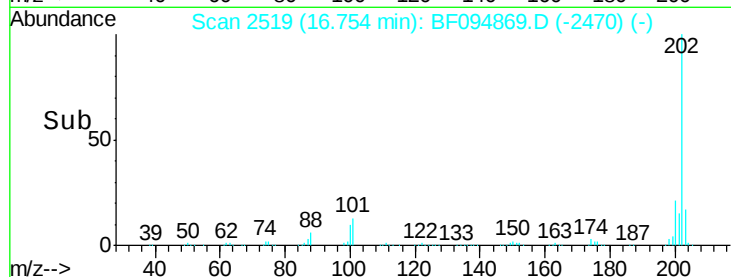
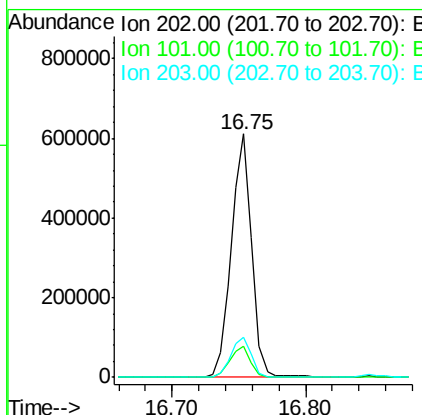
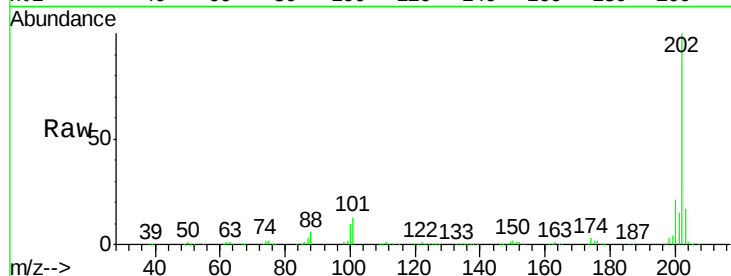




#74
 Fluoranthene
 Concen: 52.48 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

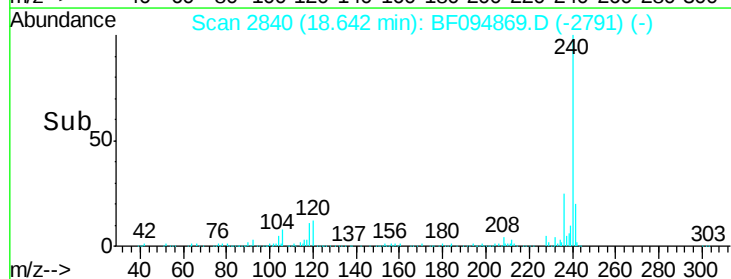
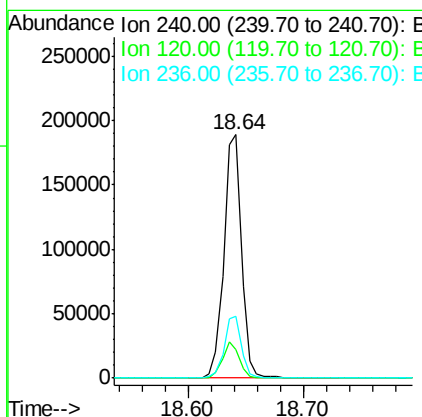
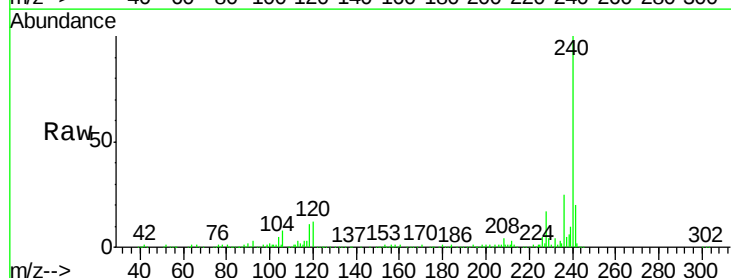
Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

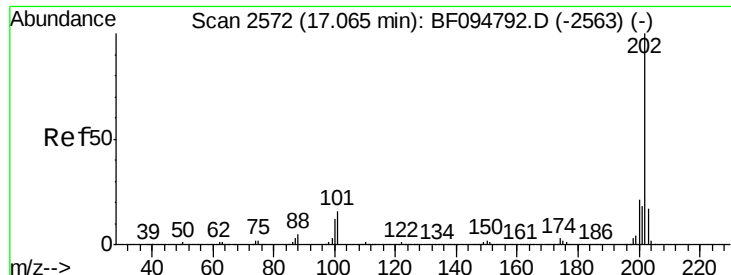
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	656107		
101	12.6		0.0	33.2
203	16.7		0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	200515		
120	11.9		5.8	8.8#
236	25.5		20.5	30.7





#77

Pyrene

Concen: 35.69 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

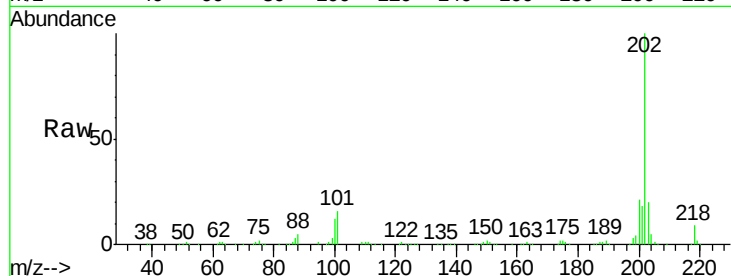
Tgt Ion:202 Resp: 535274

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

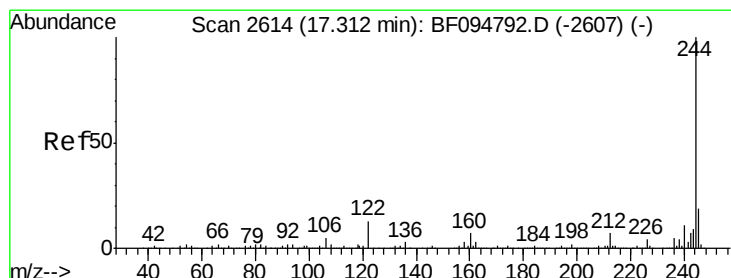
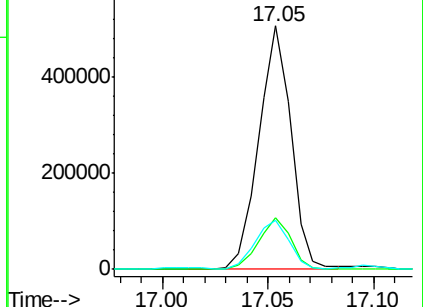
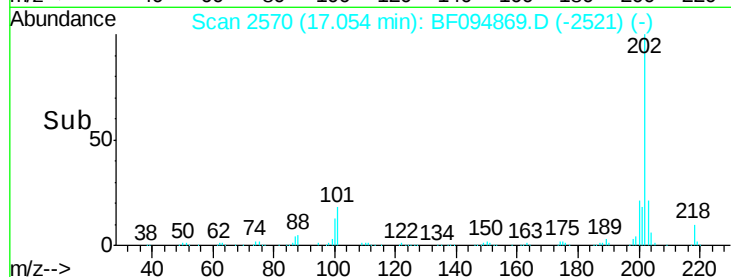
203 20.4 14.4 21.6



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: 8.58 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

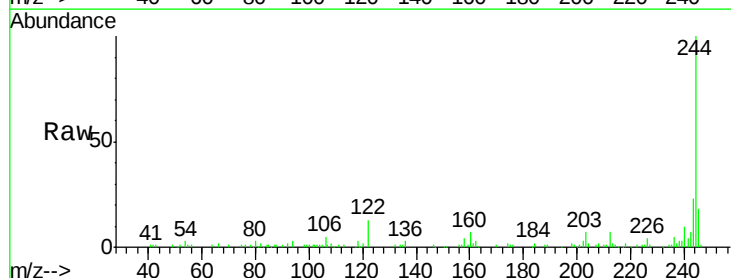
Tgt Ion:244 Resp: 78071

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

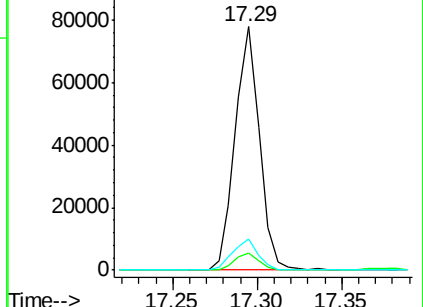
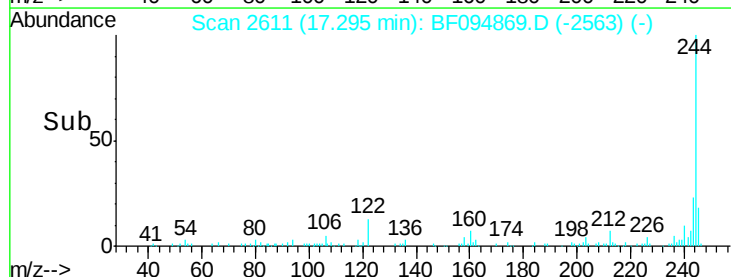
122 13.0 10.3 15.5

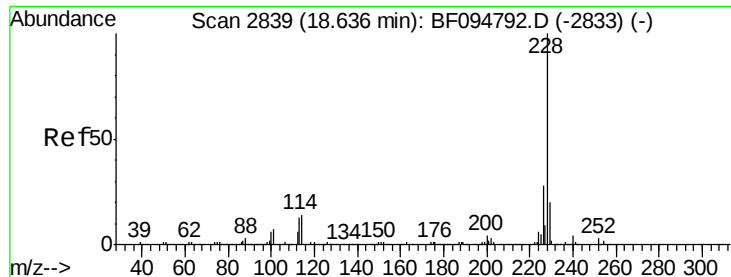


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.75 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

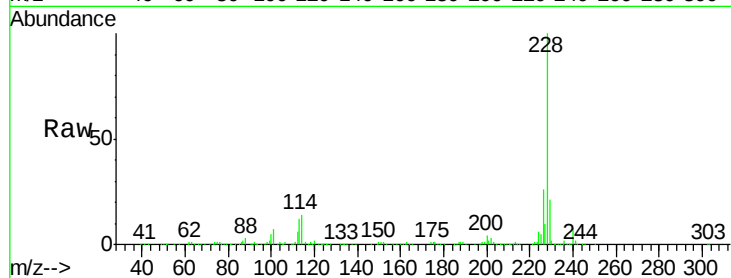
Tgt Ion:228 Resp: 288779

Ion Ratio Lower Upper

228 100

226 26.1 22.6 33.8

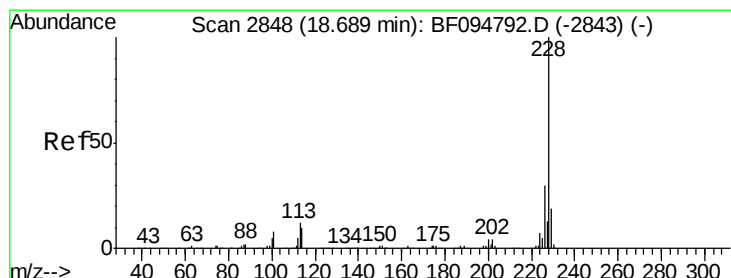
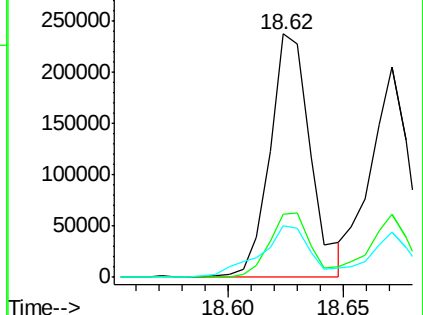
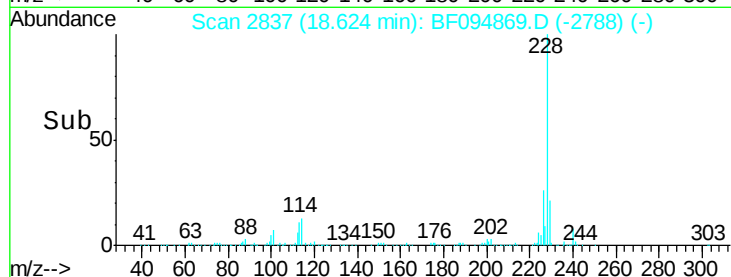
229 21.0 16.3 24.5



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



#82

Chrysene

Concen: 20.74 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

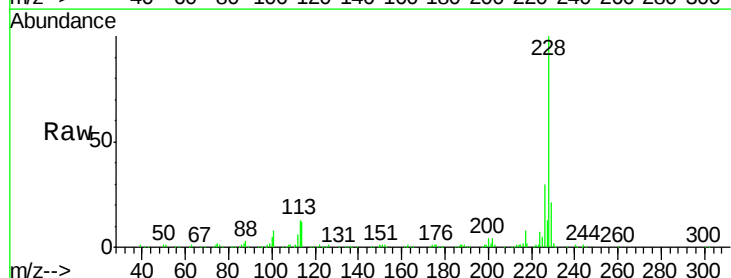
Tgt Ion:228 Resp: 234029

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

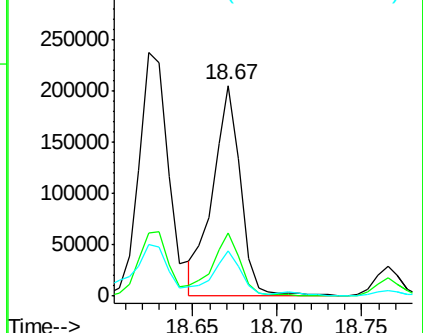
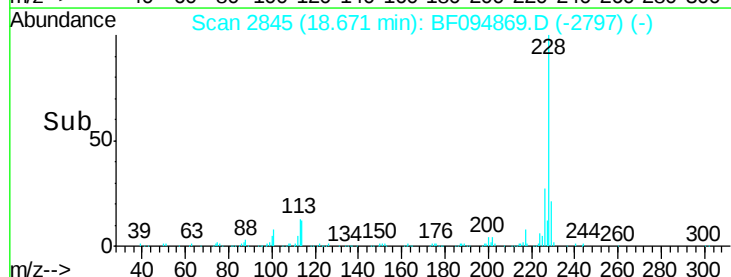
229 21.2 15.8 23.6

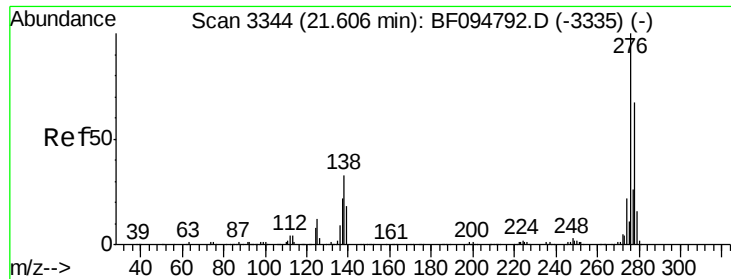


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

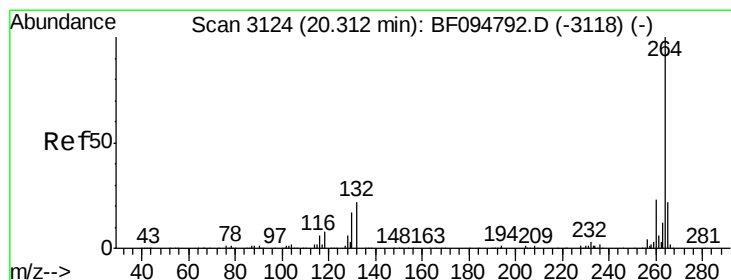
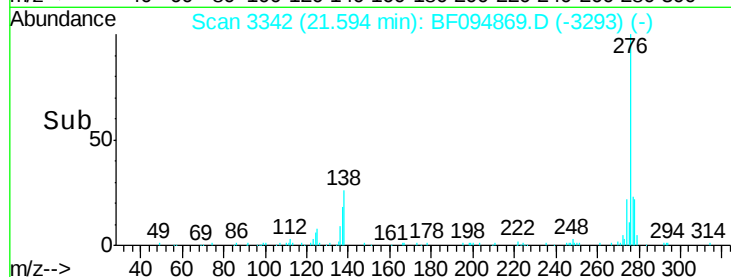
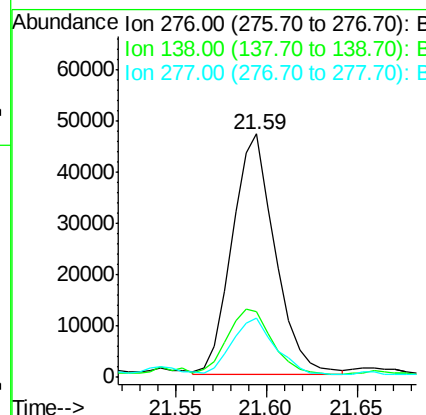
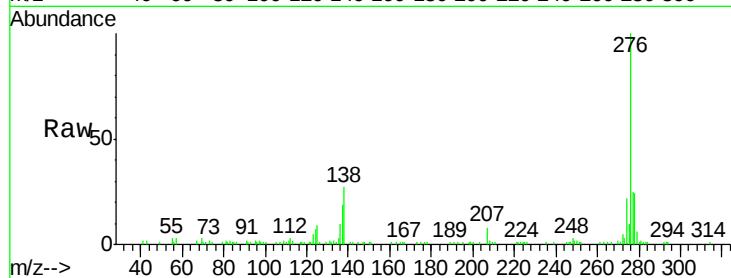




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.42 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

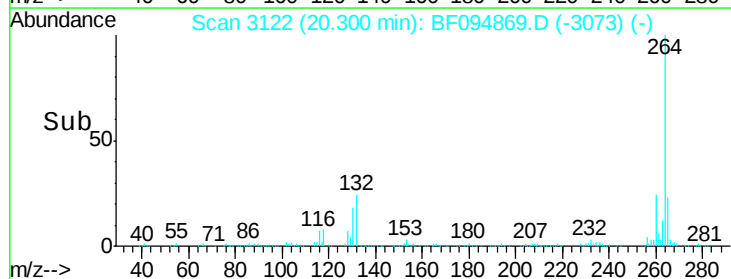
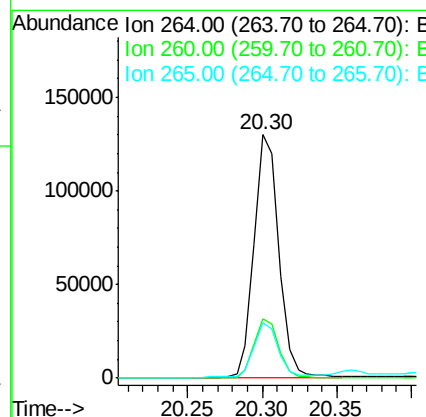
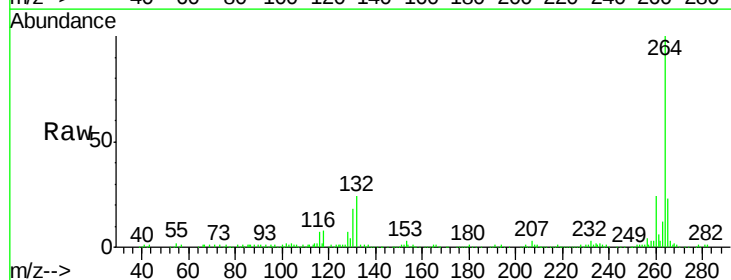
Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

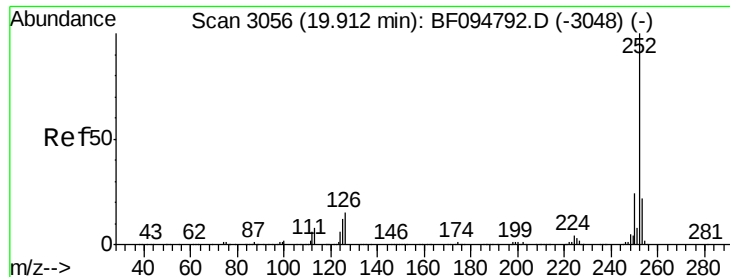
Tgt Ion: 276 Resp: 77179
 Ion Ratio Lower Upper
 276 100
 138 31.8 27.8 41.6
 277 23.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Tgt Ion: 264 Resp: 149586
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 37.27 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

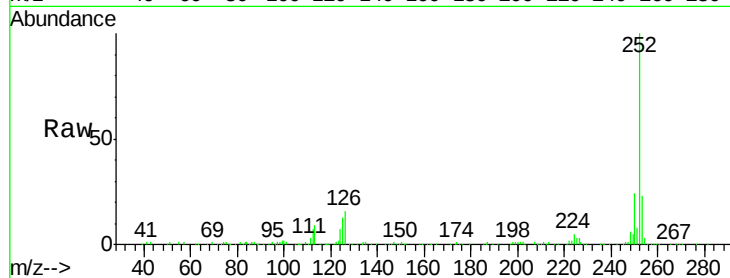
Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

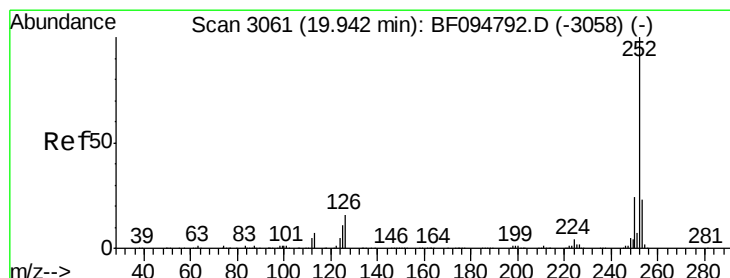
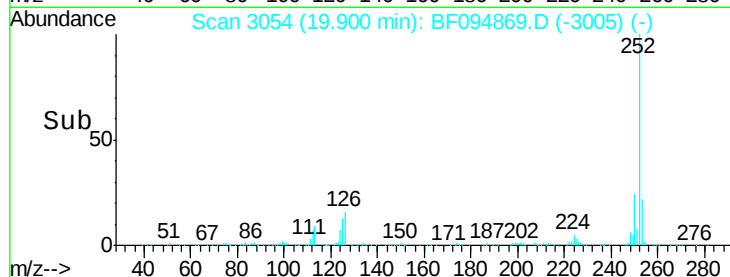
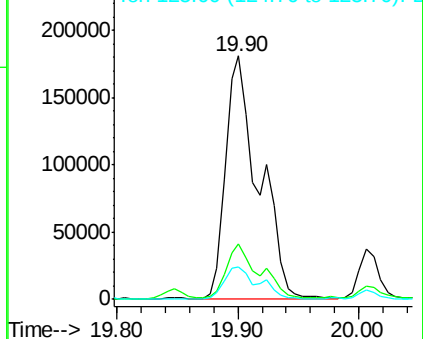
Tgt Ion:	252	Resp:	344470
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	13.4	9.8	14.8



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



#88

Benzo(k)fluoranthene

Concen: 38.64 ng

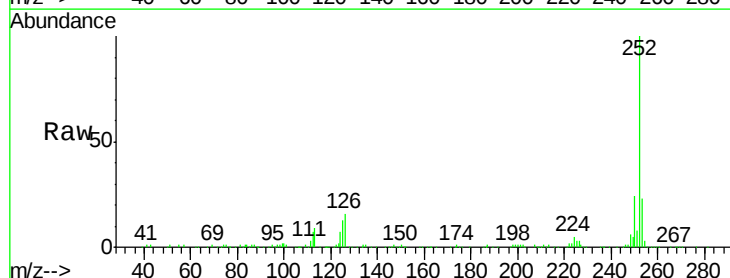
RT: 19.90 min Scan# 3054

Delta R.T. -0.04 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

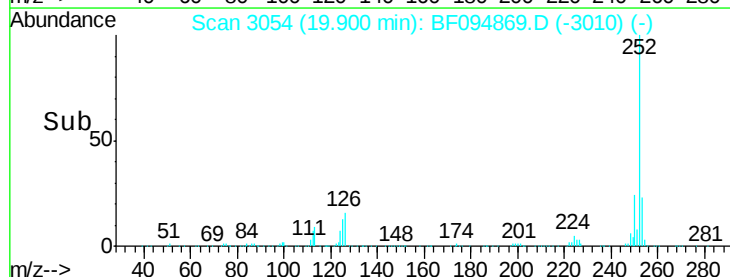
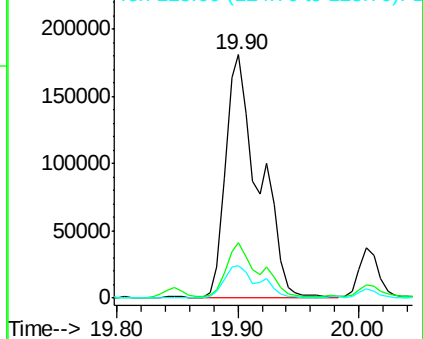
Tgt Ion:	252	Resp:	344470
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.4	27.6
125	13.4	13.1	19.7

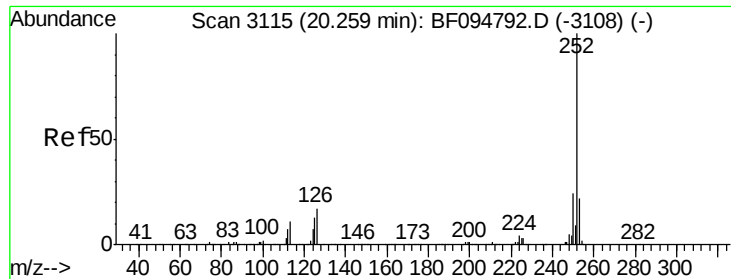


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.69 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)DL

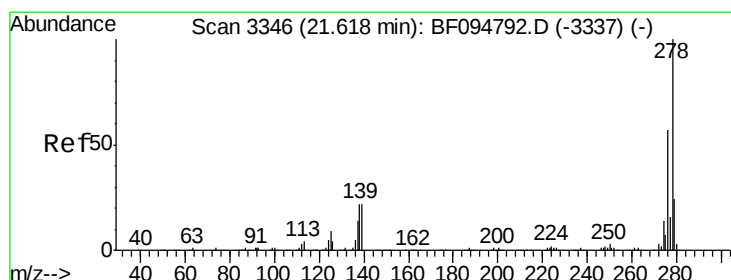
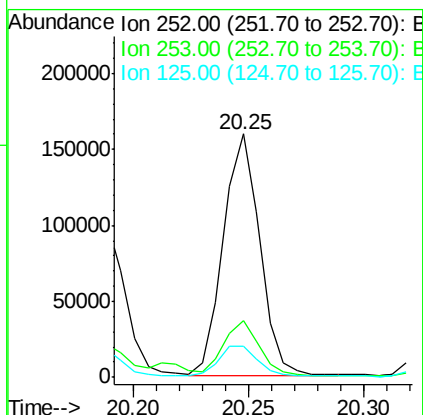
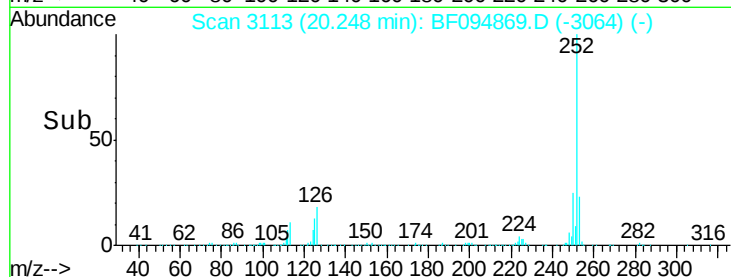
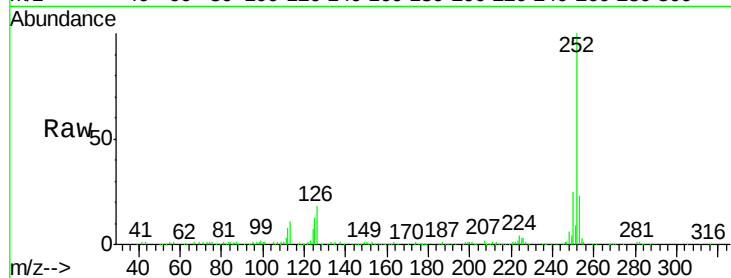
Tgt Ion:252 Resp: 176483

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 13.0 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 3.03 ng

RT: 21.60 min Scan# 3343

Delta R.T. -0.02 min

Lab File: BF094869.D

Acq: 4 May 2017 10:58

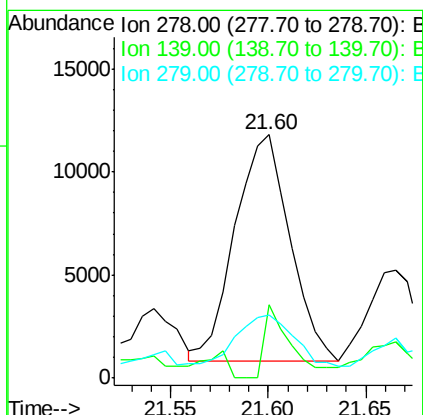
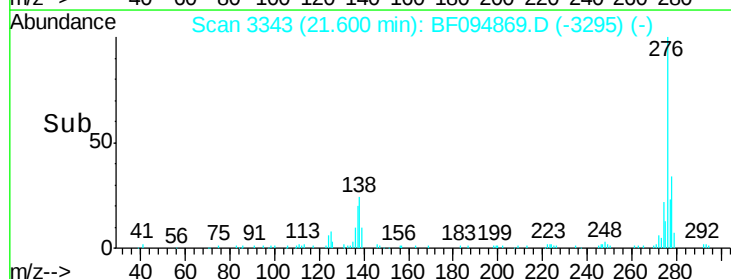
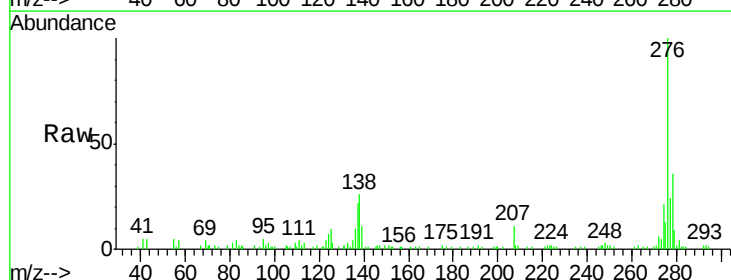
Tgt Ion:278 Resp: 21338

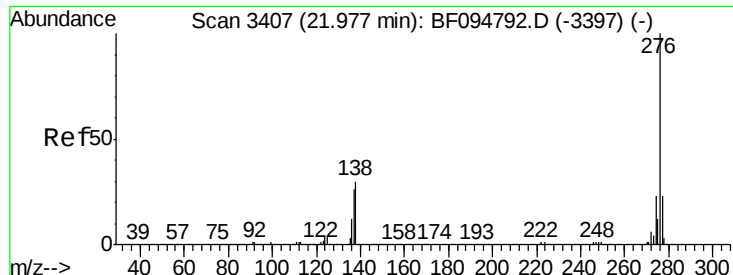
Ion Ratio Lower Upper

278 100

139 30.3 16.6 24.8#

279 26.1 19.3 28.9





#91
 Benzo(g,h,i)perylene
 Concen: 10.28 ng
 RT: 21.97 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: BF094869.D
 Acq: 4 May 2017 10:58

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	28.4	25.4	38.0

