

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
 Data File : BF090617.D
 Acq On : 17 Oct 2016 19:39
 Operator : UM/SJ
 Sample : H5227-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

Quant Time: Oct 18 01:14:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

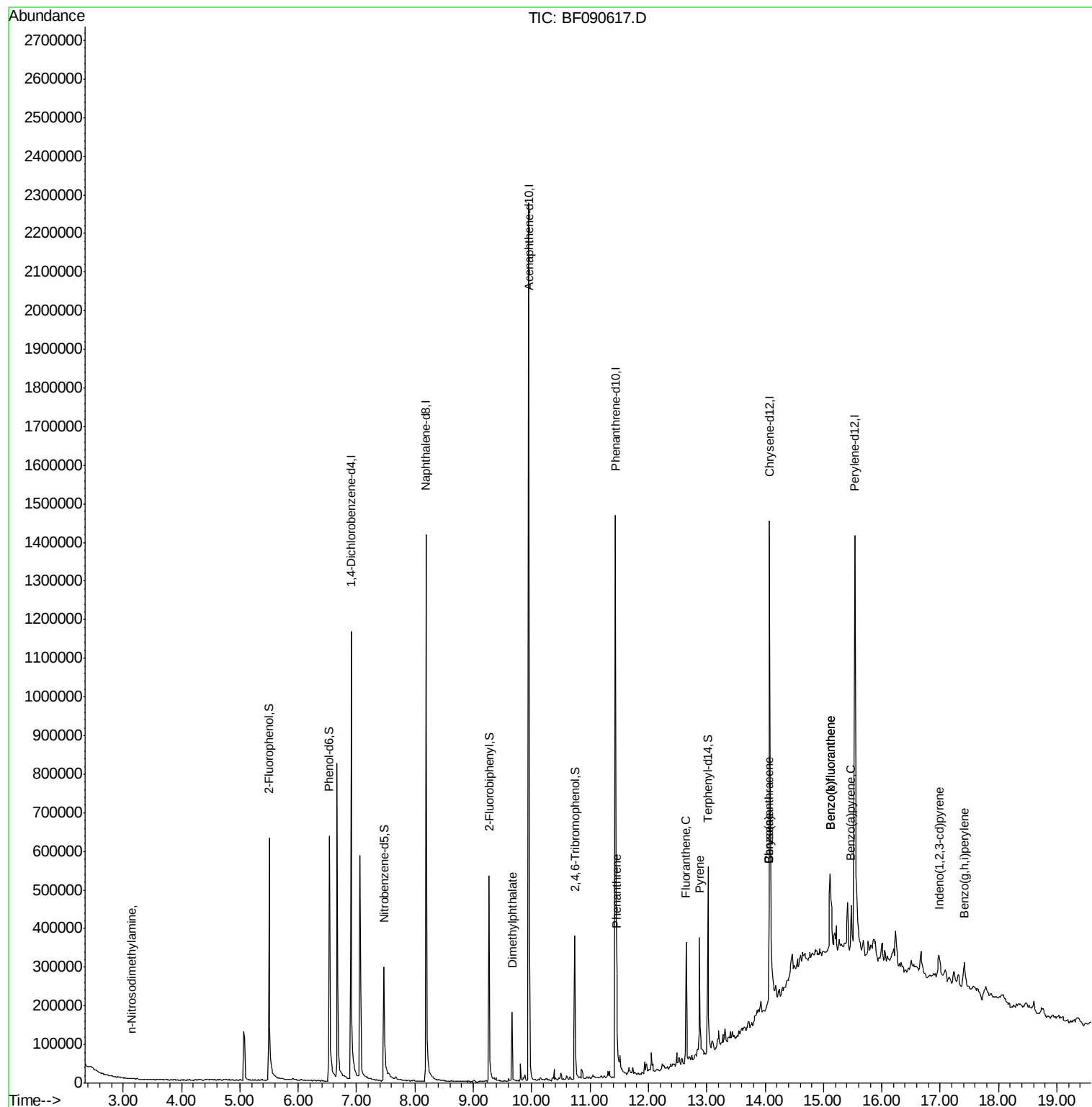
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	213964	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	866662	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	438552	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	584539	20.00	ng	-0.01
75) Chrysene-d12	14.08	240	506625	20.00	ng	-0.01
86) Perylene-d12	15.54	264	538568	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	213965	18.33	ng	-0.01
7) Phenol-d6	6.53	99	295401	17.03	ng	-0.01
23) Nitrobenzene-d5	7.47	82	172228	11.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	42846	10.96	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	258258	9.70	ng	0.00
78) Terphenyl-d14	13.02	244	191696	8.81	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.15	42	457	7.24	ng	# 1
49) Dimethylphthalate	9.66	163	65949	2.32	ng	99
70) Phenanthrene	11.46	178	77086	2.47	ng	99
74) Fluoranthene	12.65	202	132924	4.24	ng	94
77) Pyrene	12.87	202	125271	3.73	ng	98
80) Benzo(a)anthracene	14.06	228	82557	2.86	ng	92
82) Chrysene	14.06	228	82557	2.97	ng	95
85) Indeno(1,2,3-cd)pyrene	16.98	276	52839	3.29	ng	95
87) Benzo(b)fluoranthene	15.12	252	158867	4.51	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	158867	4.19	ng	# 92
89) Benzo(a)pyrene	15.47	252	86943	2.69	ng	# 92
91) Benzo(g,h,i)perylene	17.41	276	52400	2.23	ng	97

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

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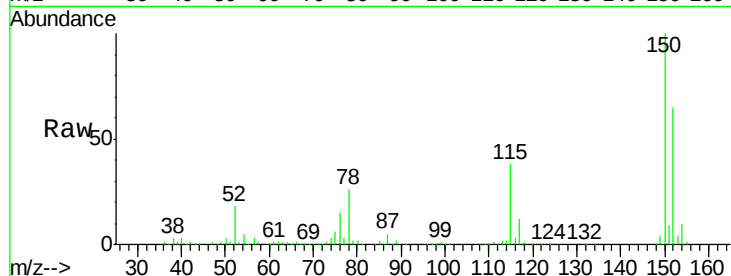


#1

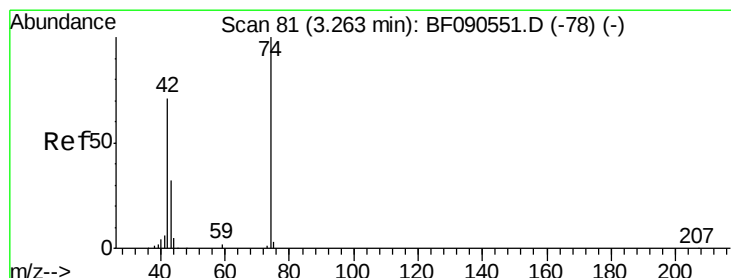
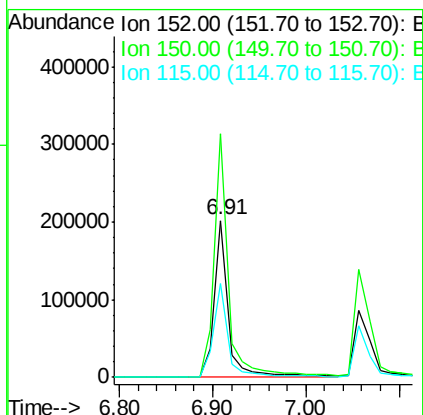
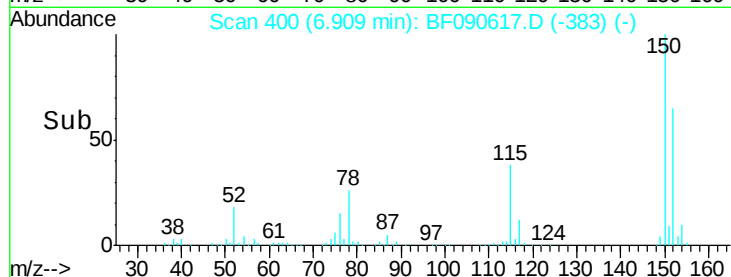
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tgt Ion: 152 Resp: 213964
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 59.6 58.6 88.0



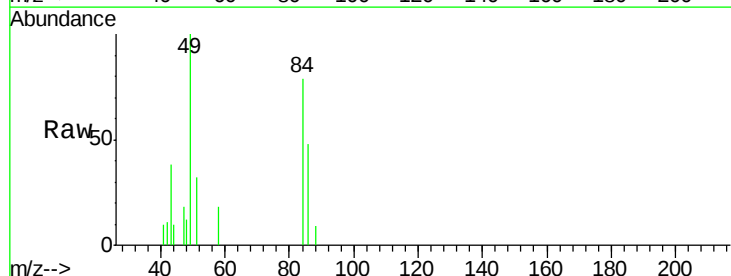
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



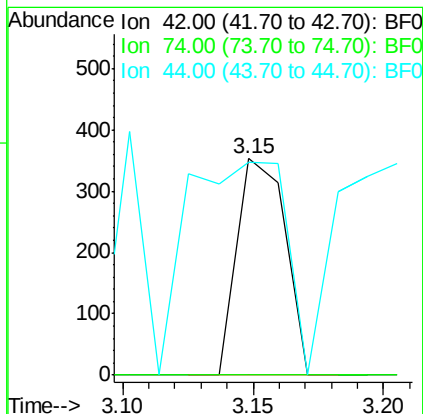
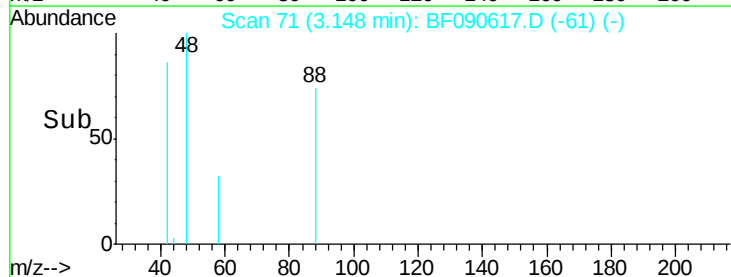
#4

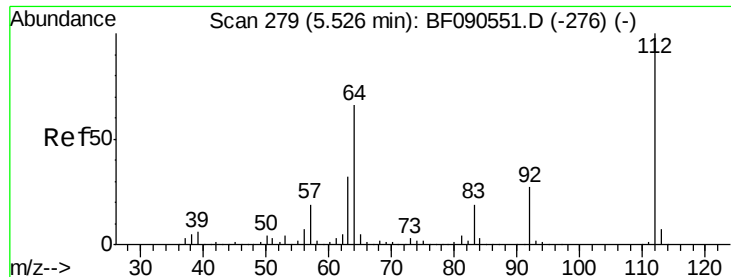
n-Nitrosodimethylamine
Concen: 7.24 ng
RT: 3.15 min Scan# 71
Delta R.T. -0.08 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion: 42 Resp: 457
Ion Ratio Lower Upper
42 100
74 0.0 113.3 169.9#
44 98.6 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 18.33 ng

RT: 5.50 min Scan# 277

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

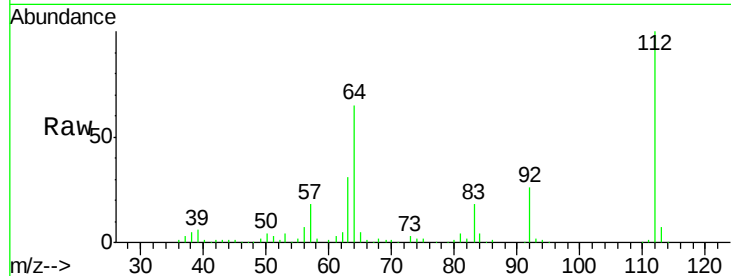
Instrument :

BNA_F

ClientSampleId :

3

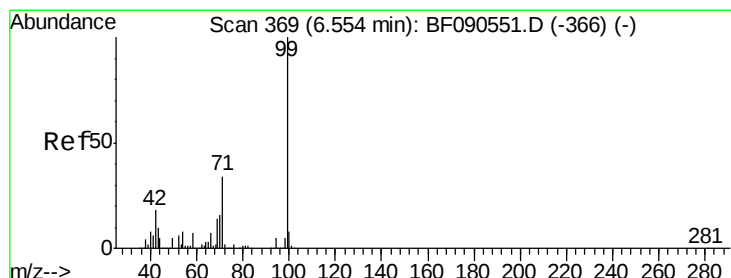
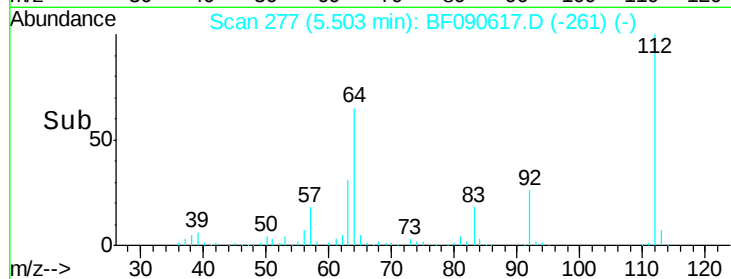
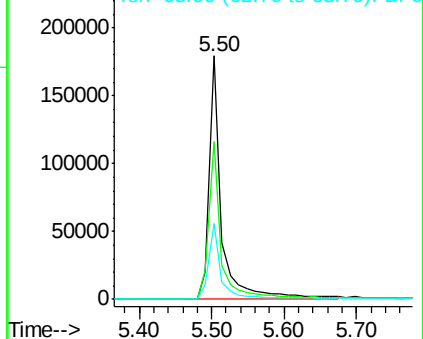
Tgt Ion:	112	Resp:	213965
Ion Ratio	Lower	Upper	
112	100		
64	64.6	52.6	78.8
63	31.4	26.0	39.0



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: 17.03 ng

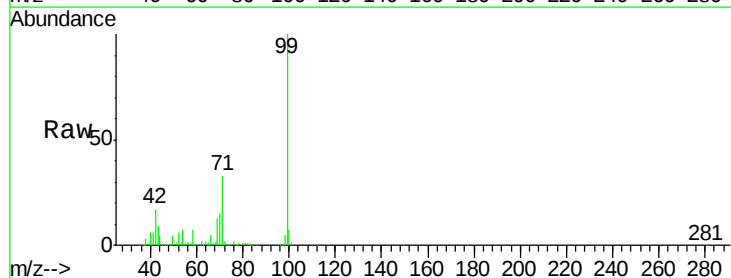
RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

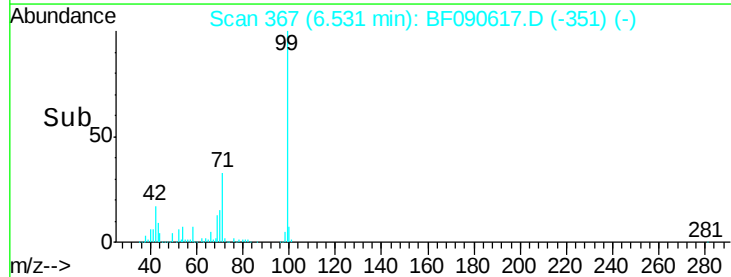
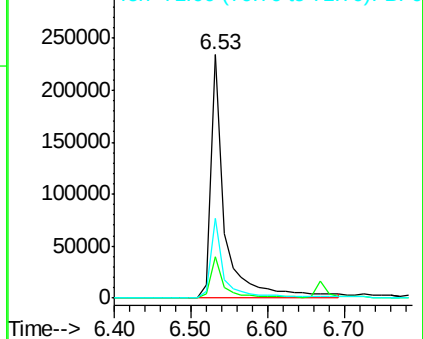
Tgt Ion:	99	Resp:	295401
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.7	22.1
71	32.9	27.6	41.4

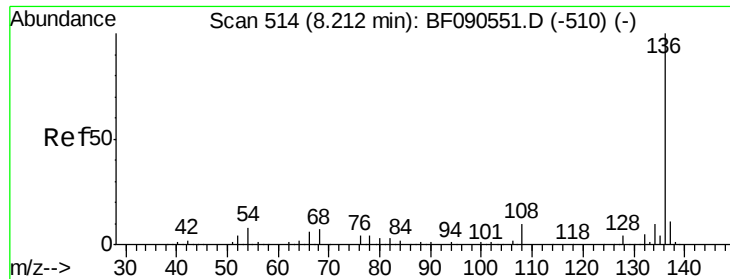


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

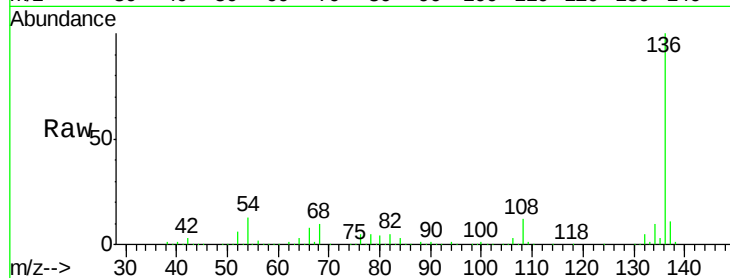




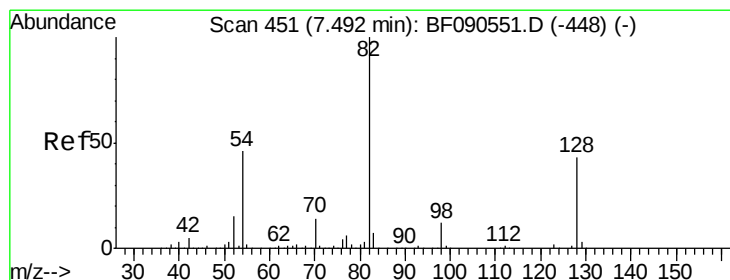
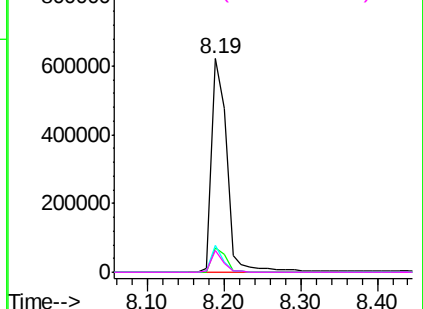
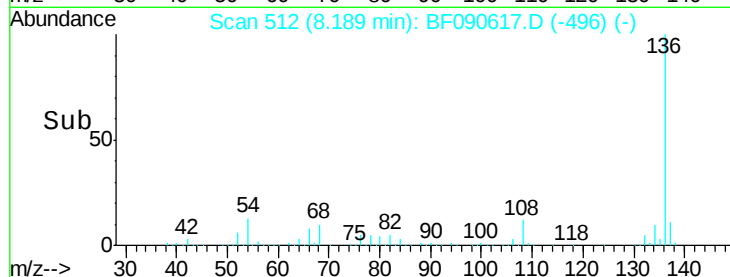
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampled :
3

Tgt Ion:	136	Resp:	866662
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	12.8	6.8	10.2#
68	10.3	6.0	9.0#

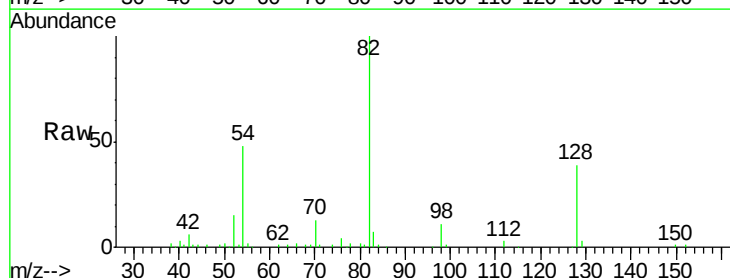


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

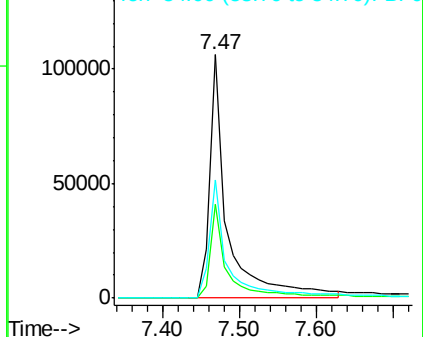
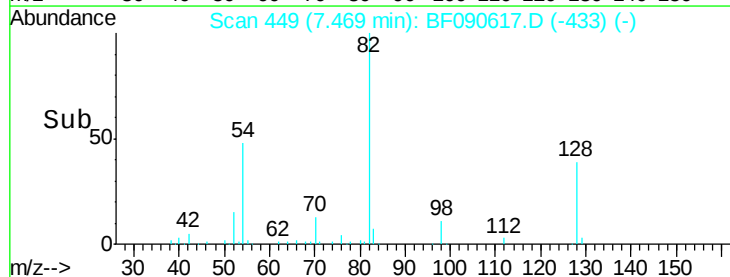


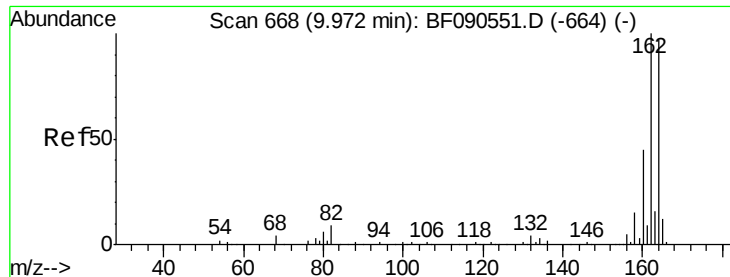
#23
Nitrobenzene-d5
Concen: 11.04 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion:	82	Resp:	172228
Ion	Ratio	Lower	Upper
82	100		
128	38.7	34.3	51.5
54	48.4	37.0	55.6



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: 9.95 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Instrument :

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ClientSampleId :

3

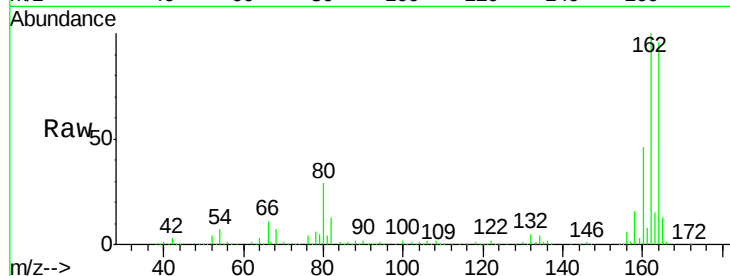
Tgt Ion:164 Resp: 438552

Ion Ratio Lower Upper

164 100

162 104.0 82.2 123.4

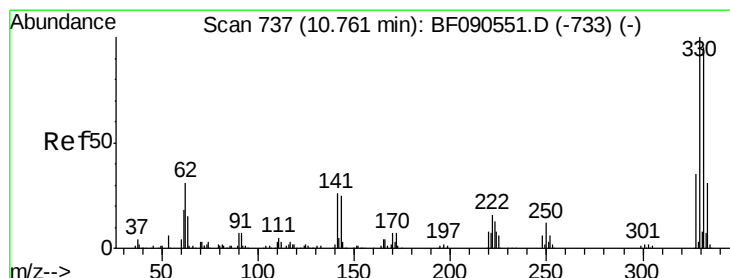
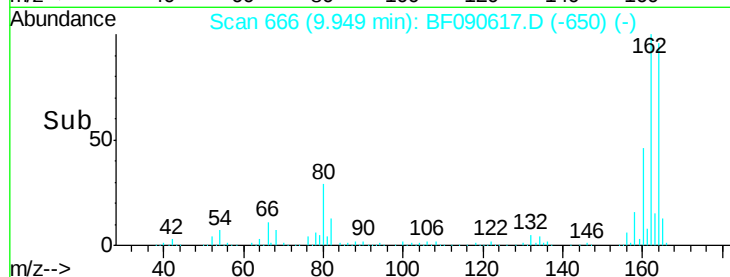
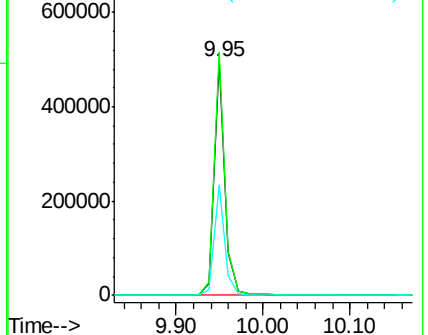
160 47.4 36.6 55.0



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: 10.96 ng

RT: 10.74 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

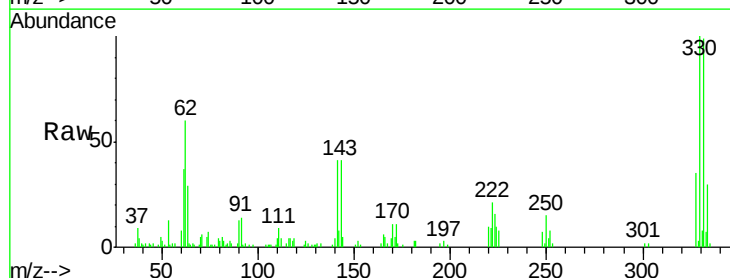
Tgt Ion:330 Resp: 42846

Ion Ratio Lower Upper

330 100

332 99.4 76.2 114.2

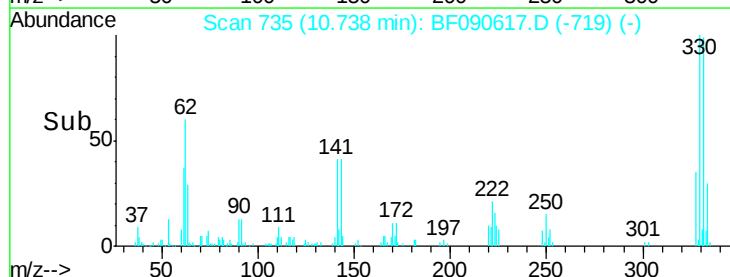
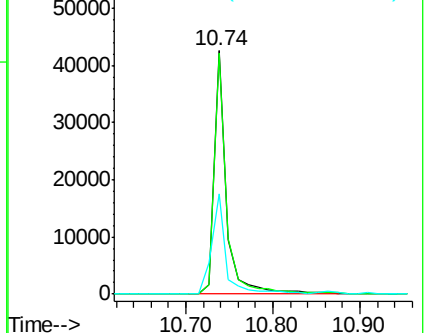
141 47.9 31.4 47.2#

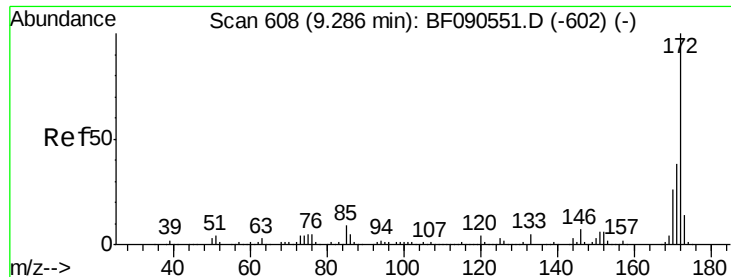


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

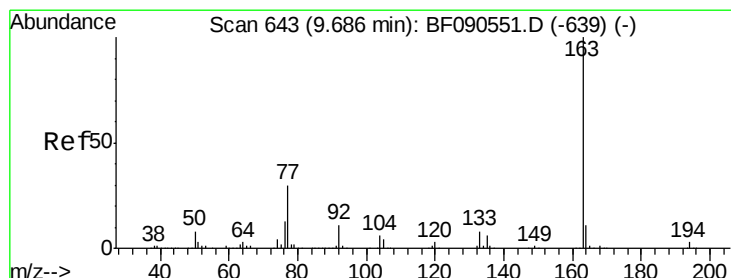
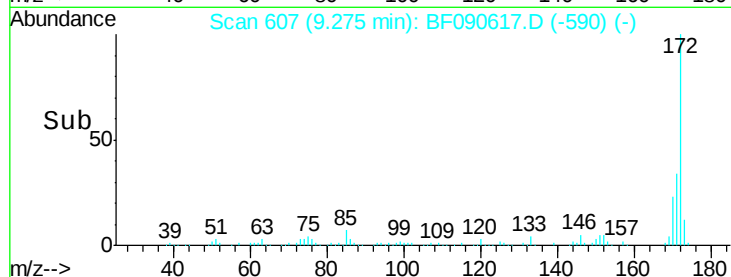
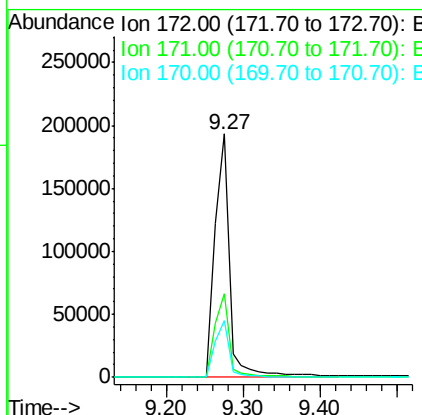
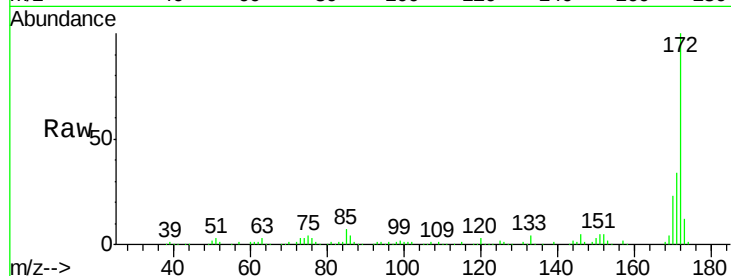




#44
 2-Fluorobiphenyl
 Concen: 9.70 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

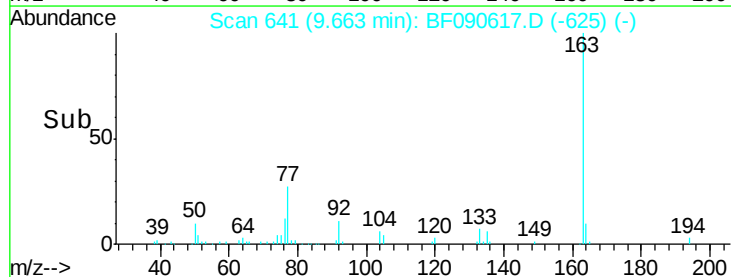
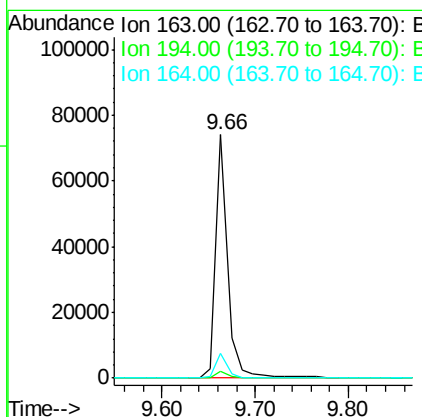
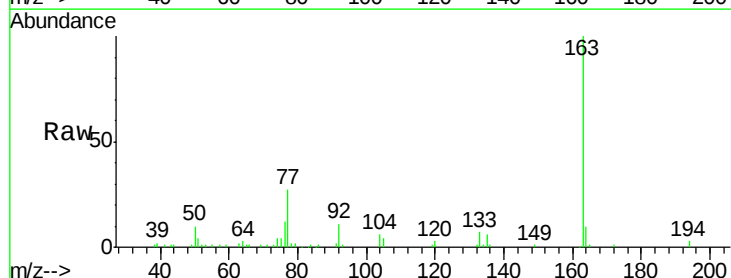
Instrument :
 BNA_F
 ClientSampled :
 3

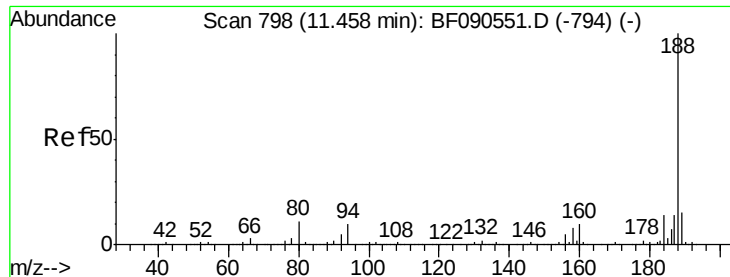
Tgt Ion:172 Resp: 258258
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.1 45.1
 170 23.4 20.6 30.8



#49
 Dimethylphthalate
 Concen: 2.32 ng
 RT: 9.66 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Tgt Ion:163 Resp: 65949
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.3 3.5
 164 10.2 8.6 13.0

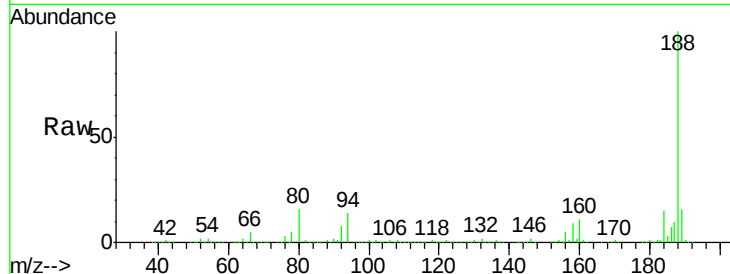




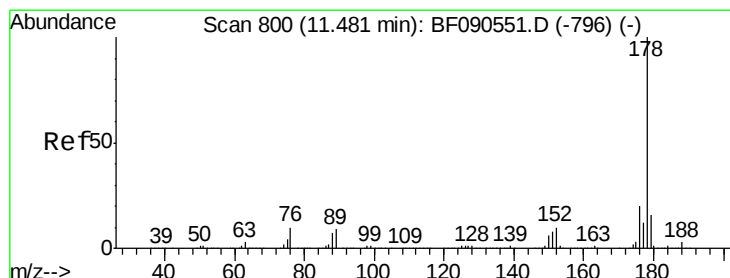
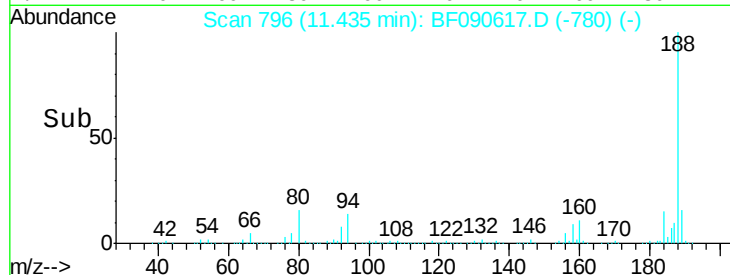
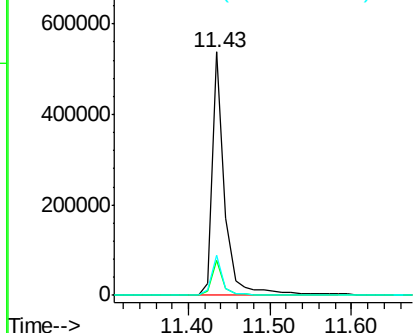
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Instrument :
BNA_F
ClientSampleId :
3

Tgt Ion:188 Resp: 584539
Ion Ratio Lower Upper
188 100
94 14.1 7.7 11.5#
80 16.4 8.6 12.8#

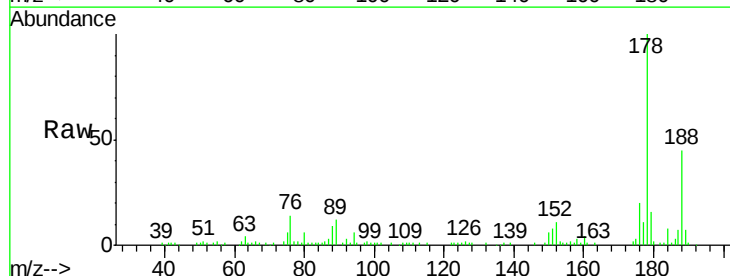


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

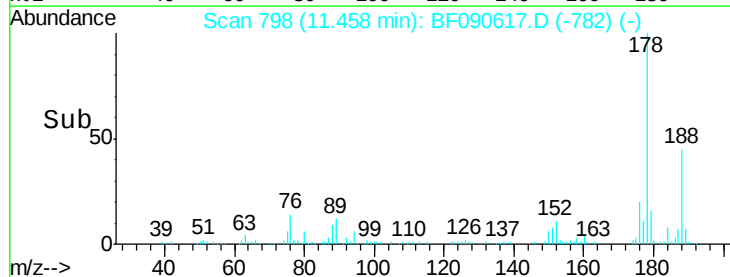
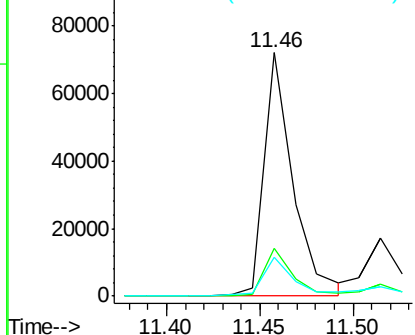


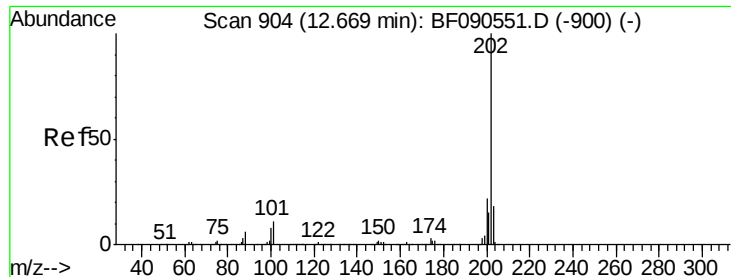
#70
Phenanthrene
Concen: 2.47 ng
RT: 11.46 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF090617.D
Acq: 17 Oct 2016 19:39

Tgt Ion:178 Resp: 77086
Ion Ratio Lower Upper
178 100
176 19.7 16.1 24.1
179 15.7 12.6 19.0



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: 4.24 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

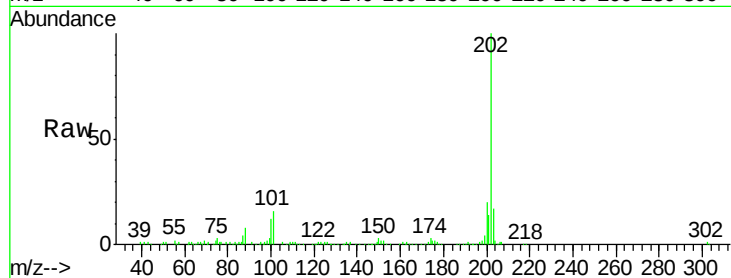
Instrument :

BNA_F

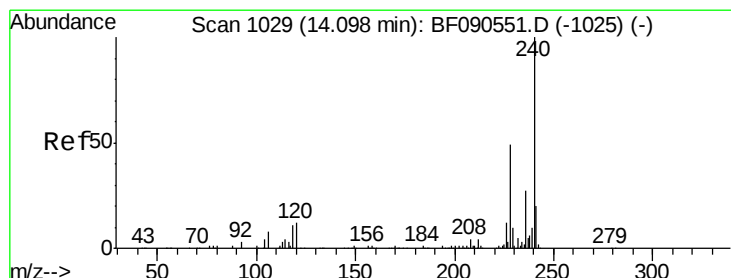
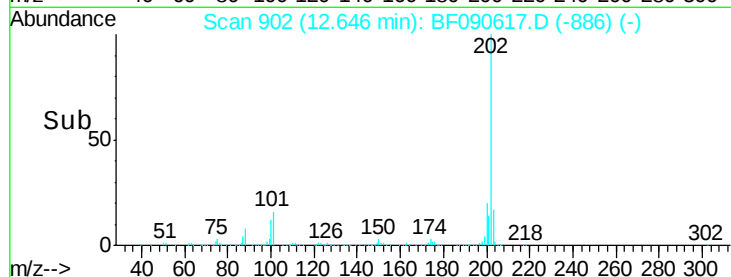
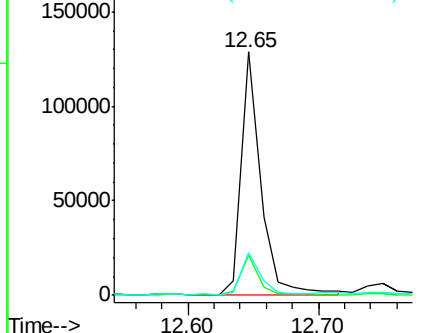
ClientSampleId :

3

Tgt Ion:	202	Resp:	132924
Ion Ratio	Lower	Upper	
202	100		
101	16.3	0.0	31.1
203	17.4	0.0	38.0



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

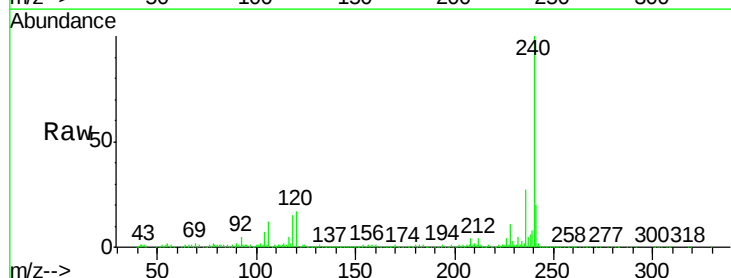
RT: 14.08 min Scan# 1027

Delta R.T. -0.01 min

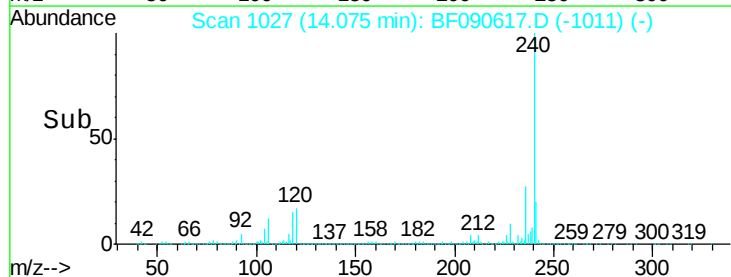
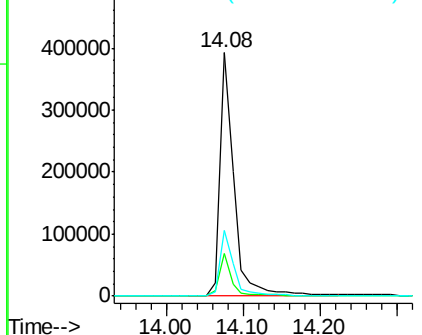
Lab File: BF090617.D

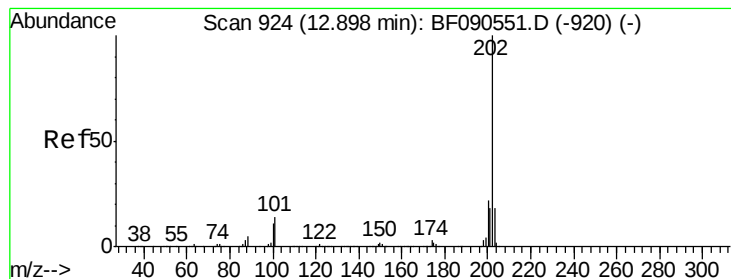
Acq: 17 Oct 2016 19:39

Tgt Ion:	240	Resp:	506625
Ion Ratio	Lower	Upper	
240	100		
120	17.4	9.8	14.8#
236	26.8	21.7	32.5



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: 3.73 ng

RT: 12.87 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Instrument :

BNA_F

ClientSampleId :

3

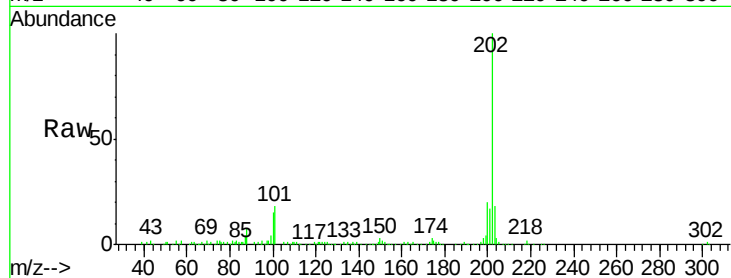
Tgt Ion:202 Resp: 125271

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

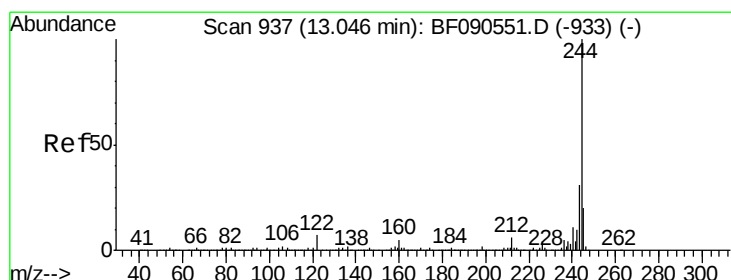
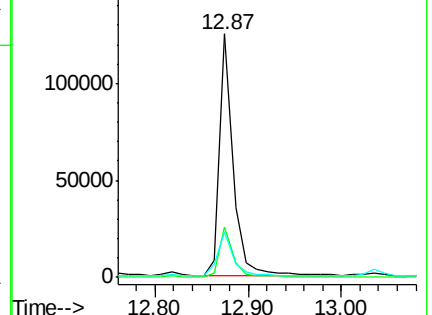
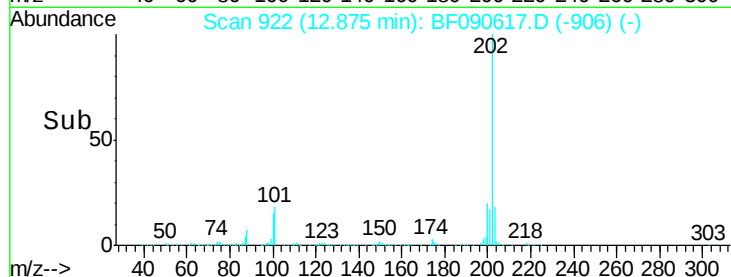
203 18.4 14.6 21.8



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: 8.81 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

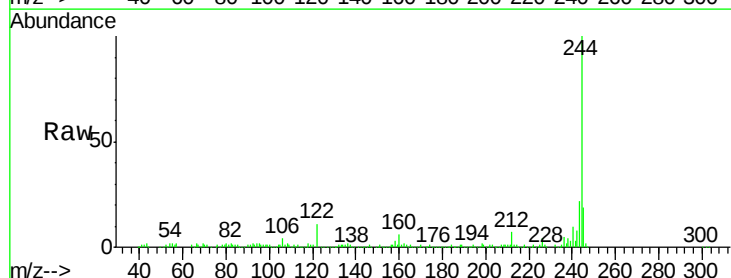
Tgt Ion:244 Resp: 191696

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

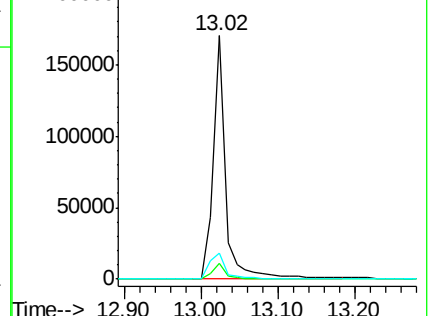
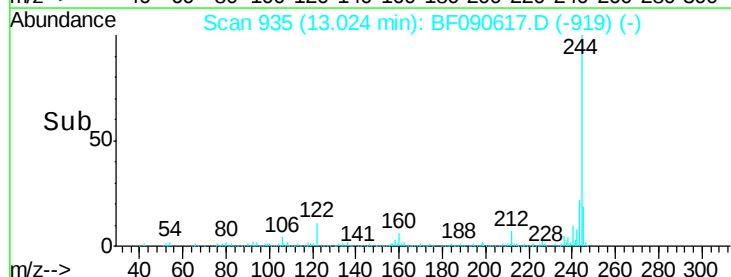
122 10.7 5.6 8.4#

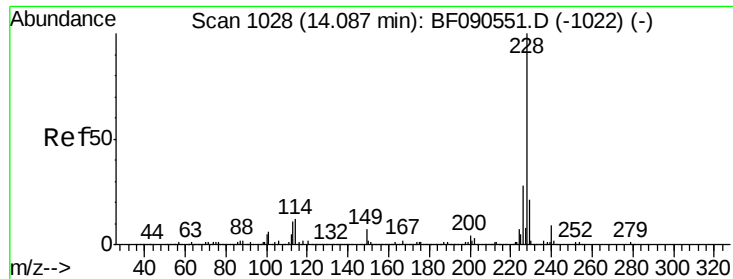


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.86 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

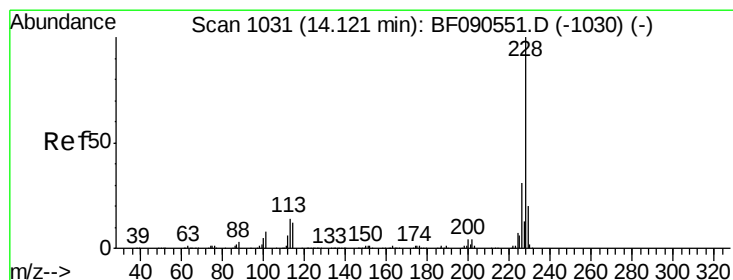
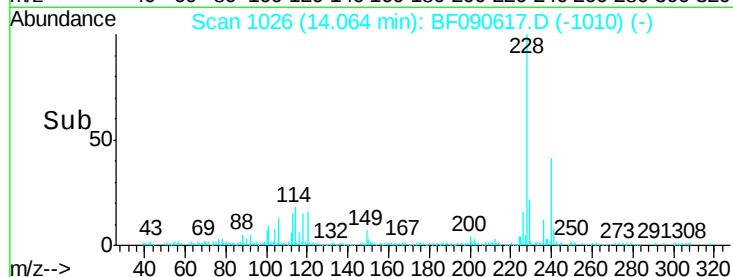
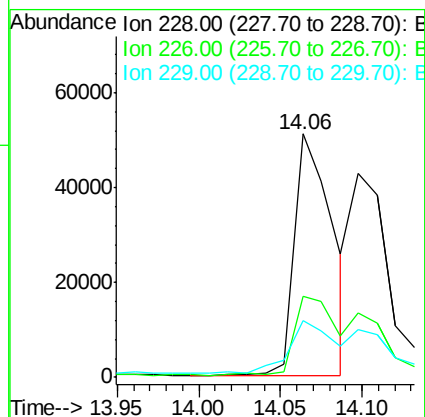
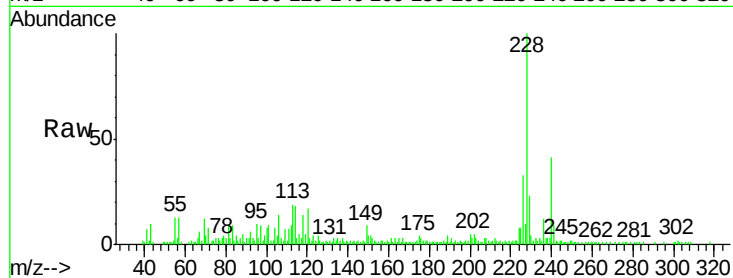
Instrument :

BNA_F

ClientSampleId :

3

Tgt Ion:	228	Resp:	82557
Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.8	34.2
229	23.4	16.6	25.0



#82

Chrysene

Concen: 2.97 ng

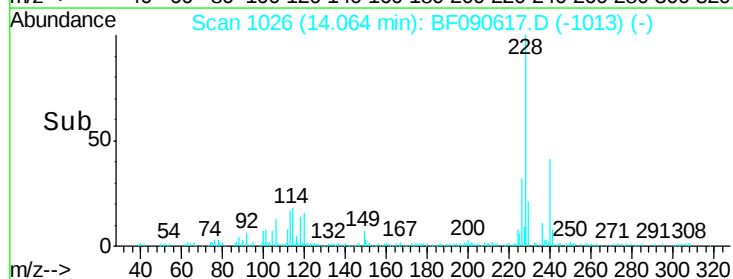
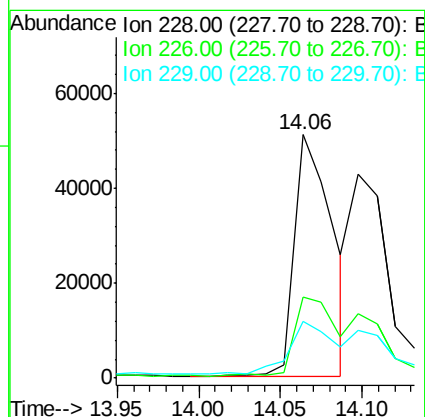
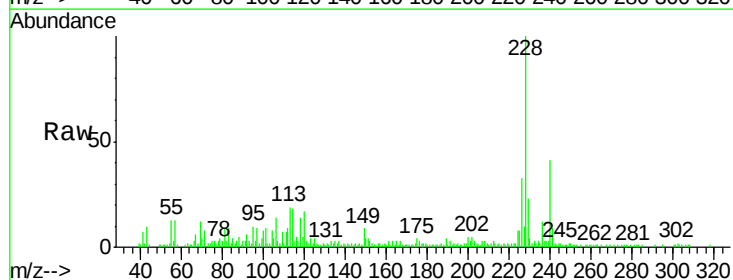
RT: 14.06 min Scan# 1026

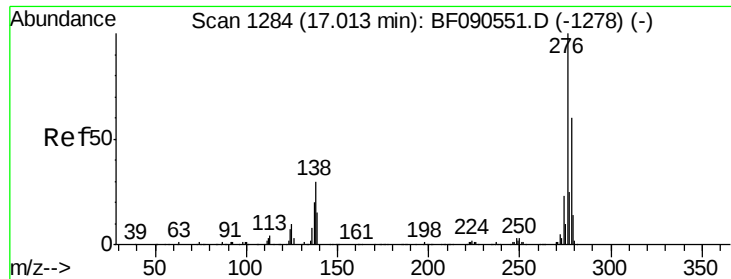
Delta R.T. -0.05 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Tgt Ion:	228	Resp:	82557
Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.8	37.2
229	23.4	16.2	24.4

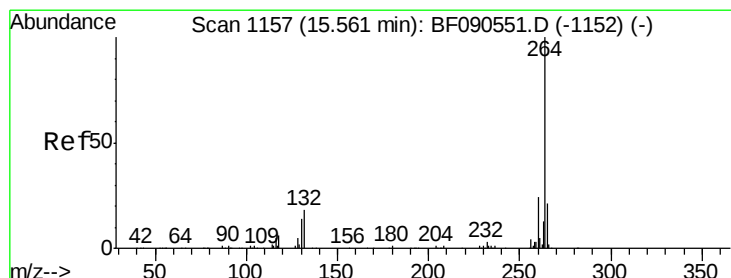
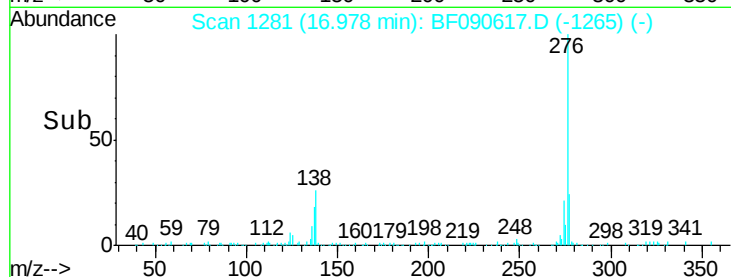
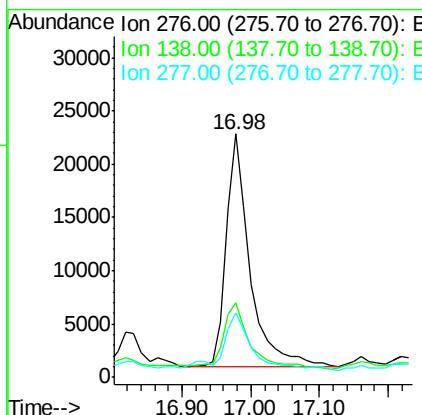
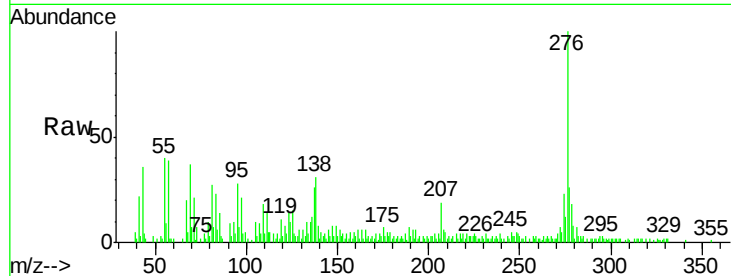




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.29 ng
 RT: 16.98 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

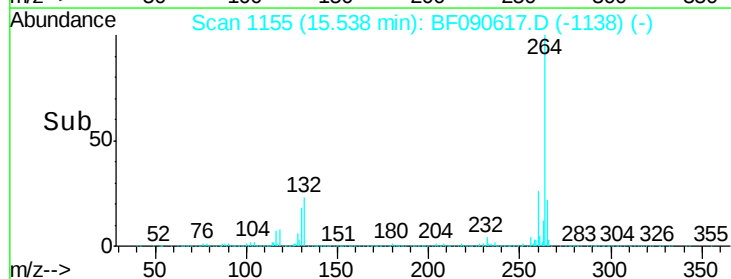
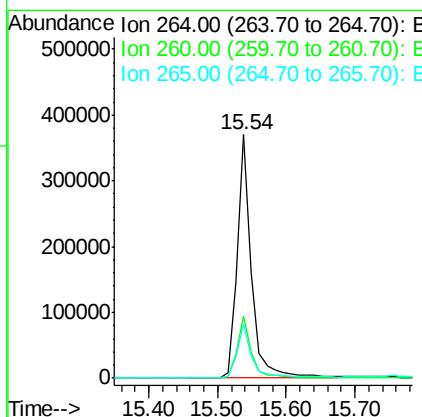
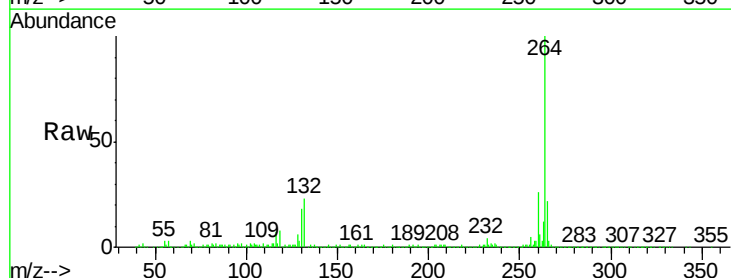
Instrument :
 BNA_F
 ClientSampleId :
 3

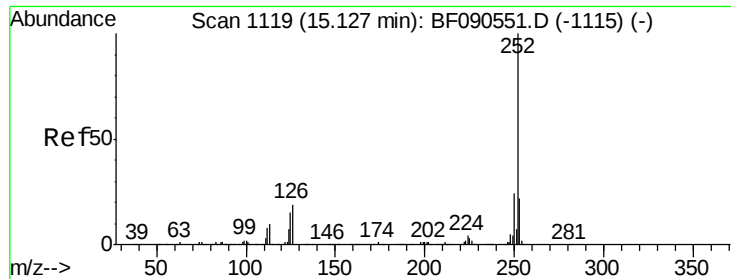
Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	25.8	38.6
277	29.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BF090617.D
 Acq: 17 Oct 2016 19:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.3	28.9
265	22.3	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 4.51 ng

RT: 15.12 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

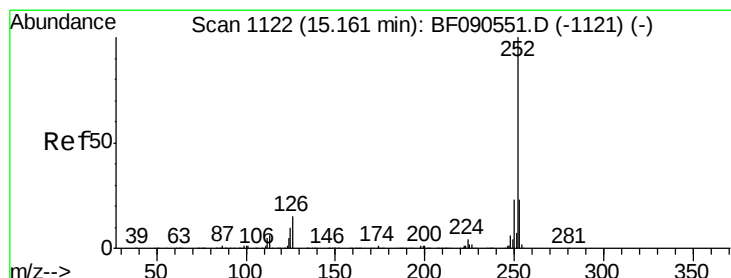
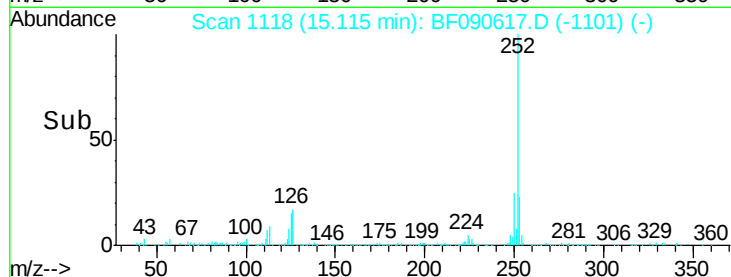
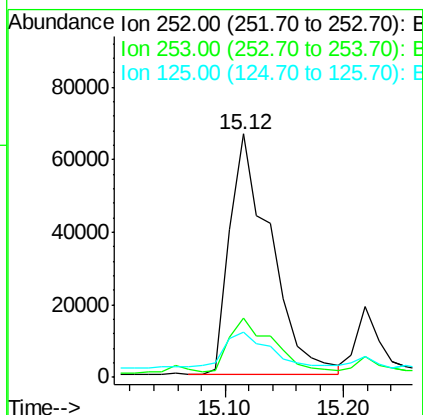
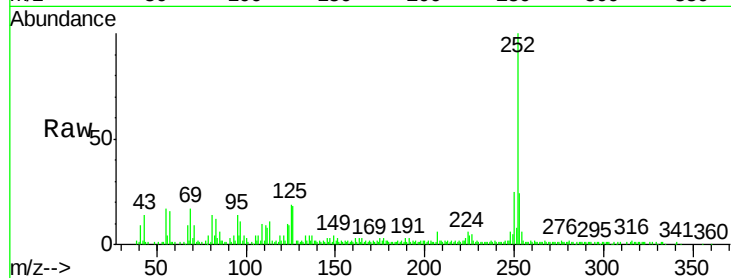
Instrument :

BNA_F

ClientSampleId :

3

Tgt Ion:	252	Resp:	158867
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.8	26.8
125	18.6	12.0	18.0#



#88

Benzo(k)fluoranthene

Concen: 4.19 ng

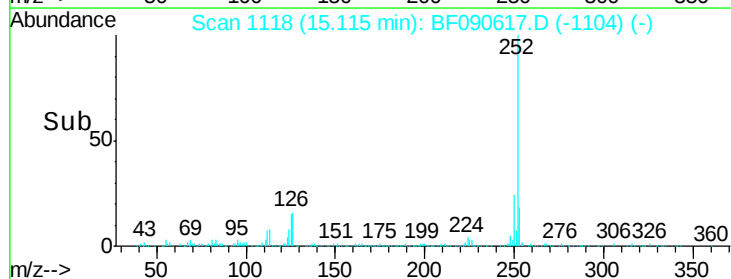
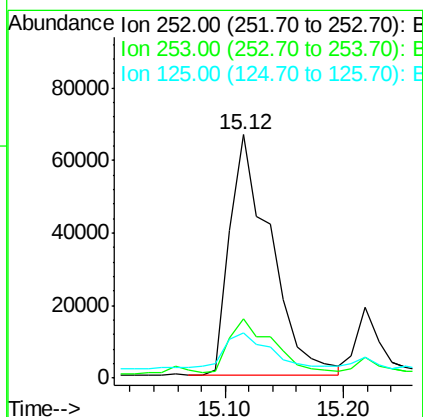
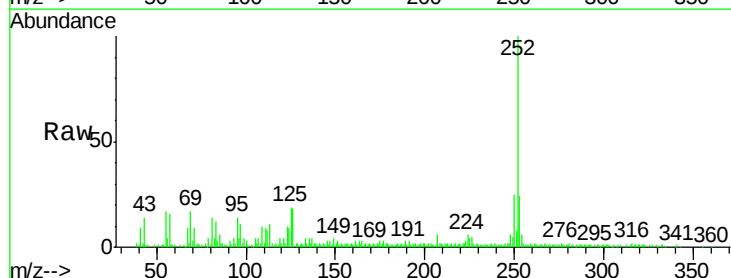
RT: 15.12 min Scan# 1118

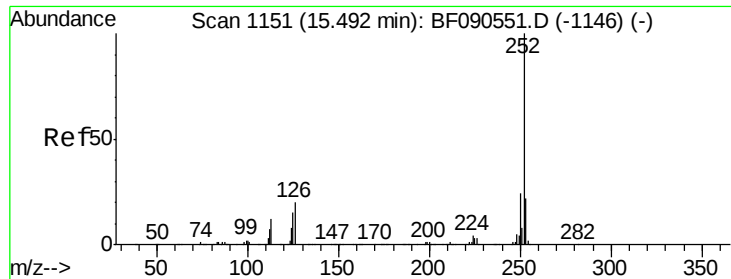
Delta R.T. -0.03 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Tgt Ion:	252	Resp:	158867
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	18.6	10.0	15.0#





#89

Benzo(a)pyrene

Concen: 2.69 ng

RT: 15.47 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

Instrument :

BNA_F

ClientSampleId :

3

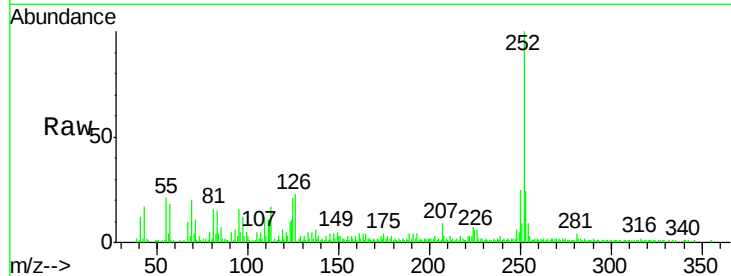
Tgt Ion:252 Resp: 86943

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

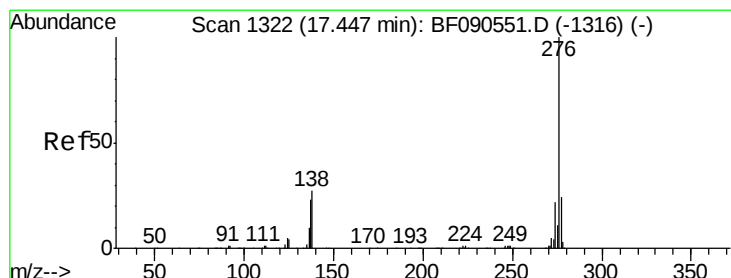
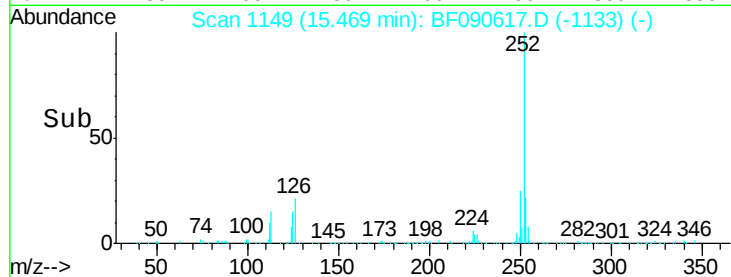
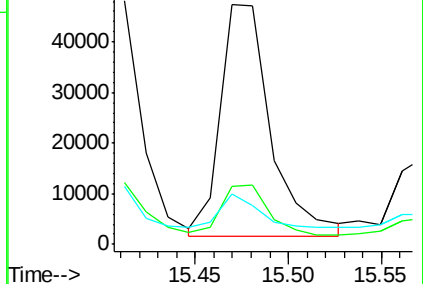
125 20.9 12.3 18.5#



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: 2.23 ng

RT: 17.41 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF090617.D

Acq: 17 Oct 2016 19:39

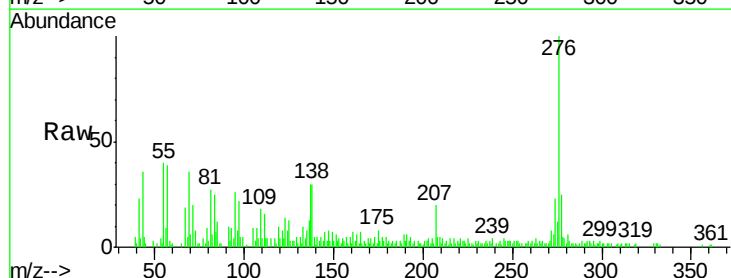
Tgt Ion:276 Resp: 52400

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 29.6 21.8 32.8



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

