

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090596.D
 Acq On : 15 Oct 2016 9:23
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: Oct 17 00:47:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

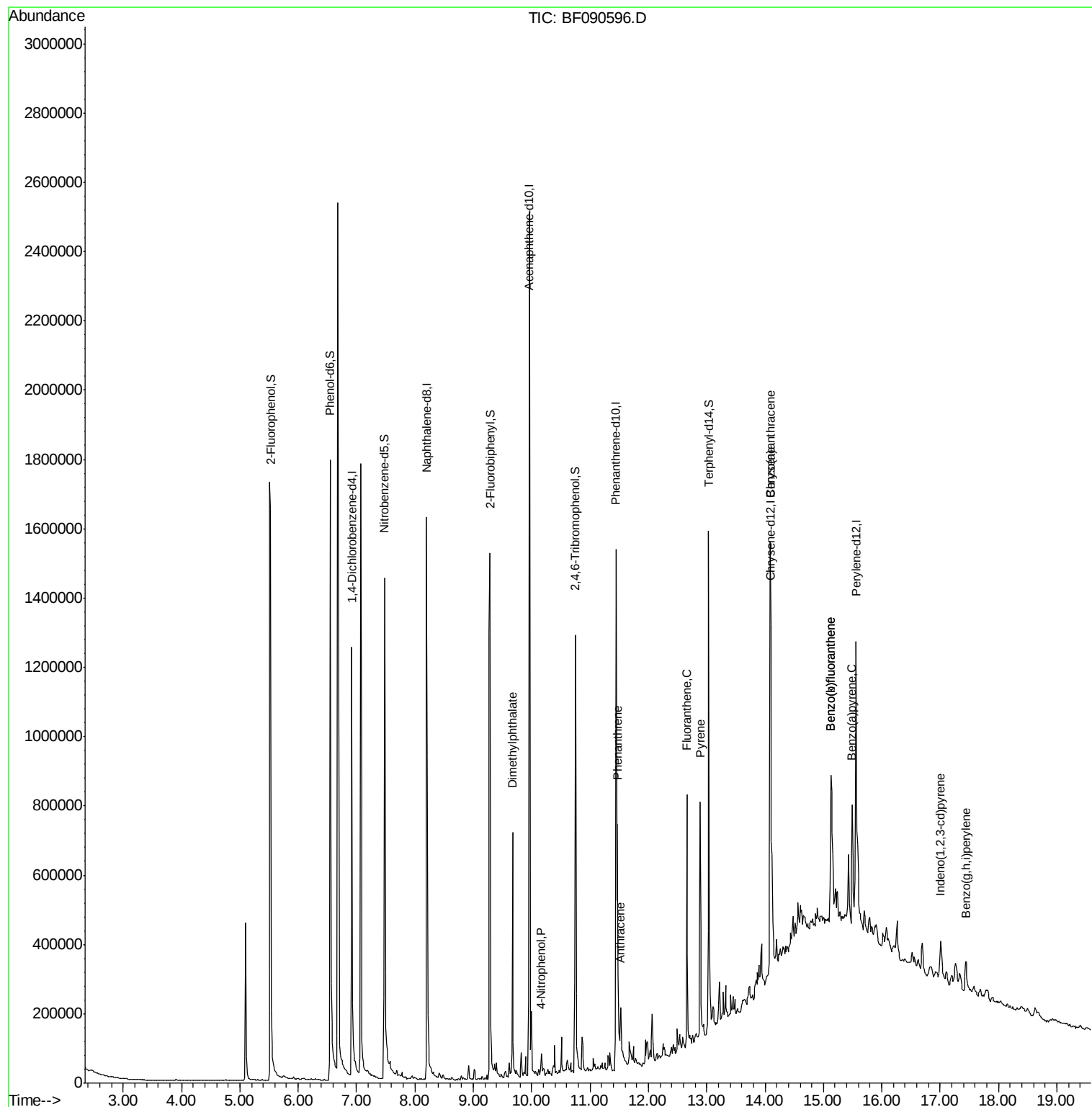
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	237302	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	955493	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	470972	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	603223	20.00	ng	-0.01
75) Chrysene-d12	14.10	240	519141	20.00	ng	0.00
86) Perylene-d12	15.56	264	463201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	770580	59.53	ng	0.00
7) Phenol-d6	6.54	99	1012367	52.63	ng	-0.01
23) Nitrobenzene-d5	7.48	82	644035	37.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	133795	31.86	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	728345	25.48	ng	0.00
78) Terphenyl-d14	13.04	244	487805	21.88	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.67	163	254128	8.32	ng	98
55) 4-Nitrophenol	10.17	139	11111	2.20	ng	# 8
70) Phenanthrene	11.47	178	242351	7.53	ng	100
71) Anthracene	11.53	178	103213	2.98	ng	98
74) Fluoranthene	12.66	202	311284	9.61	ng	92
77) Pyrene	12.89	202	310861	9.04	ng	99
80) Benzo(a)anthracene	14.09	228	343091	11.61	ng	92
82) Chrysene	14.09	228	343091	12.05	ng	94
85) Indeno(1,2,3-cd)pyrene	17.00	276	95018	5.77	ng	96
87) Benzo(b)fluoranthene	15.13	252	356346	11.76	ng	94
88) Benzo(k)fluoranthene	15.13	252	356346	10.93	ng	# 92
89) Benzo(a)pyrene	15.49	252	192707	6.94	ng	96
91) Benzo(g,h,i)perylene	17.45	276	85760	4.25	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: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampled :

1

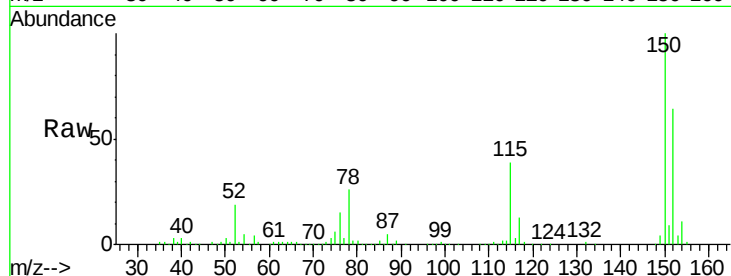
Tgt Ion:152 Resp: 237302

Ion Ratio Lower Upper

152 100

150 157.1 127.2 190.8

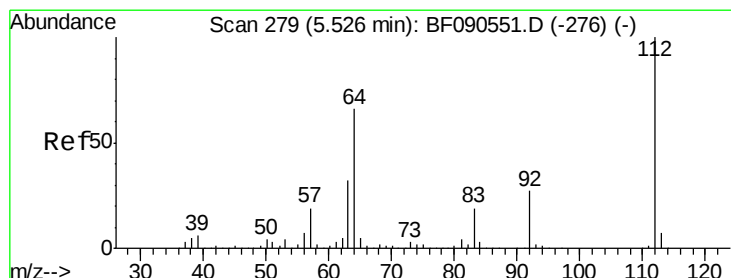
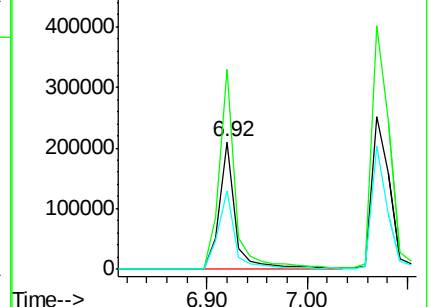
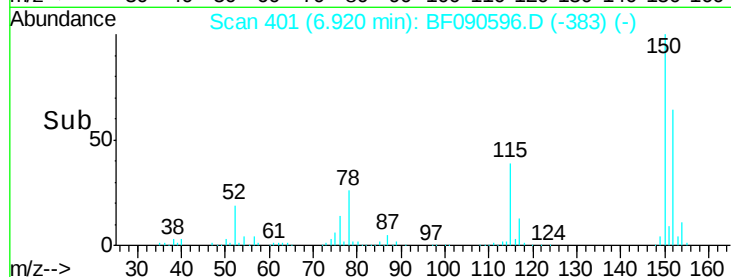
115 61.1 58.6 88.0



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



#5

2-Fluorophenol

Concen: 59.53 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

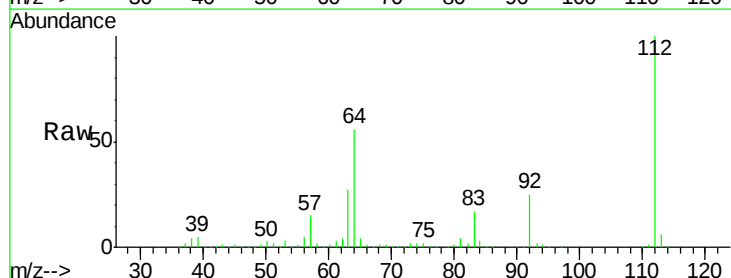
Tgt Ion:112 Resp: 770580

Ion Ratio Lower Upper

112 100

64 56.3 52.6 78.8

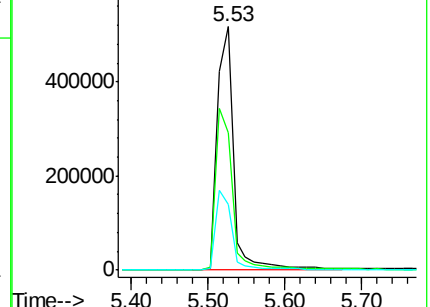
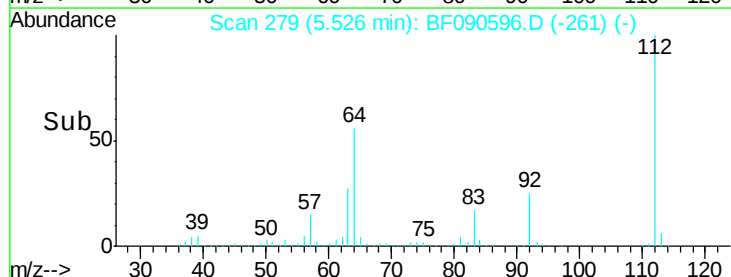
63 27.0 26.0 39.0

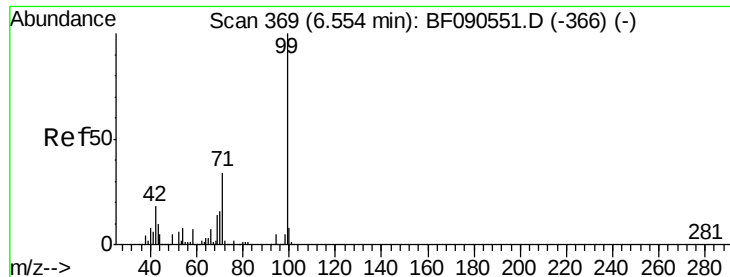


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.63 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1

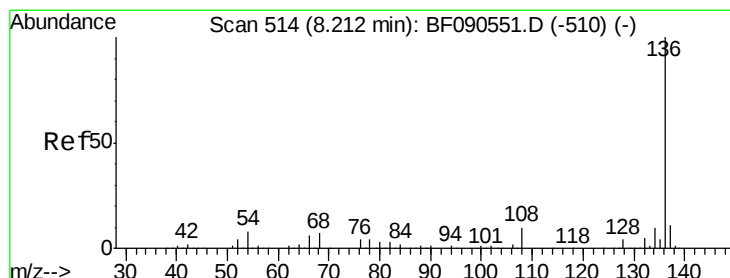
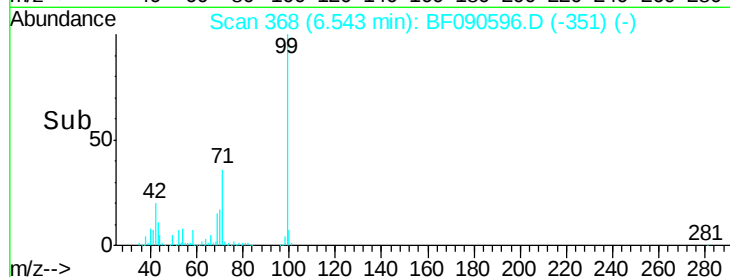
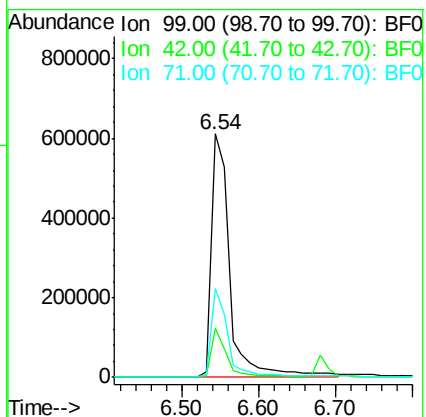
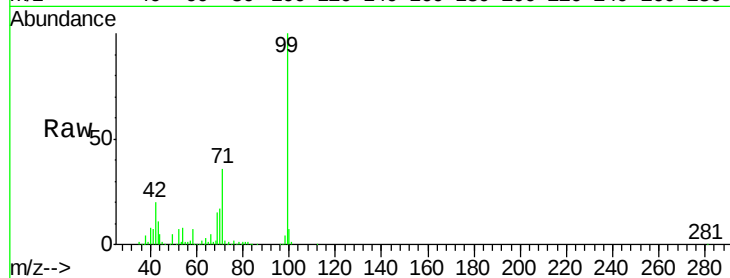
Tgt Ion: 99 Resp: 1012367

Ion Ratio Lower Upper

99 100

42 20.4 14.7 22.1

71 36.3 27.6 41.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Tgt Ion: 136 Resp: 955493

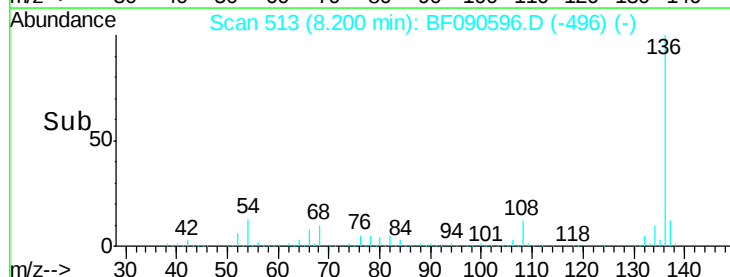
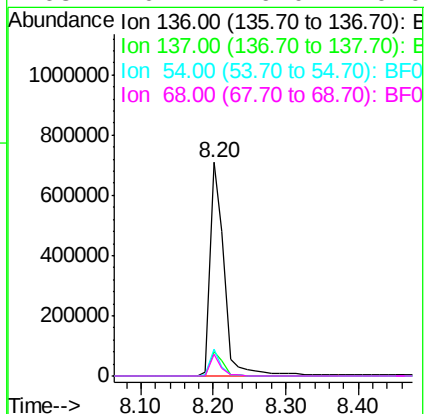
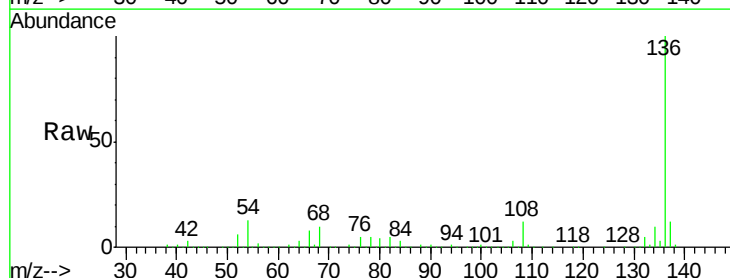
Ion Ratio Lower Upper

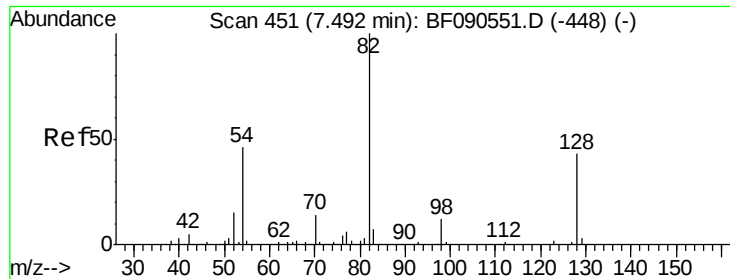
136 100

137 11.6 8.8 13.2

54 12.8 6.8 10.2#

68 10.4 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 37.44 ng

RT: 7.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1

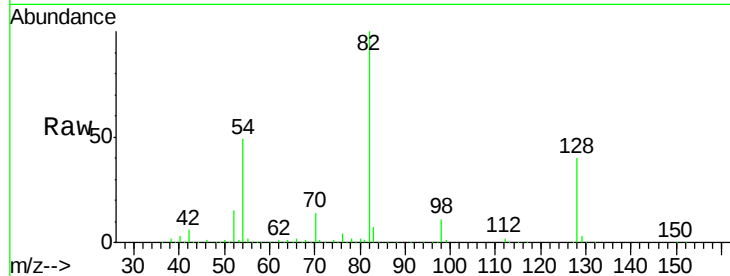
Tgt Ion: 82 Resp: 644035

Ion Ratio Lower Upper

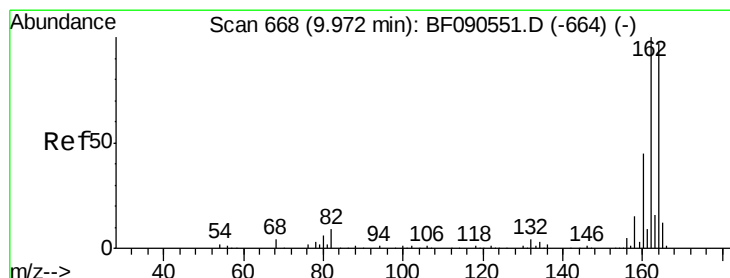
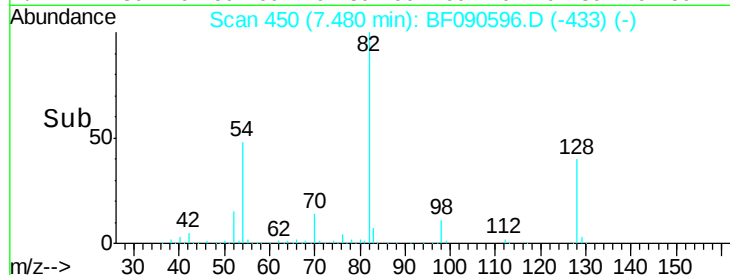
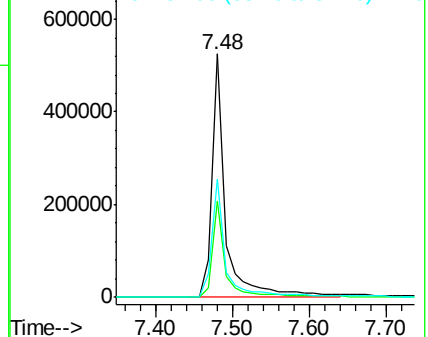
82 100

128 39.8 34.3 51.5

54 48.5 37.0 55.6



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

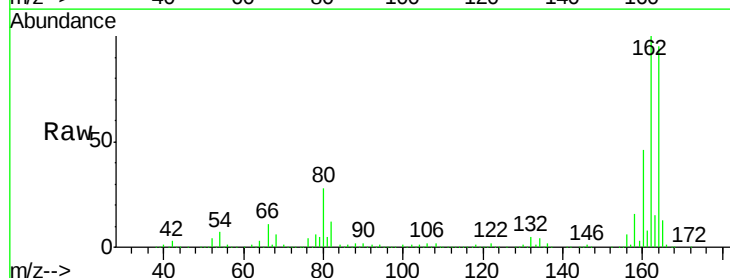
Tgt Ion: 164 Resp: 470972

Ion Ratio Lower Upper

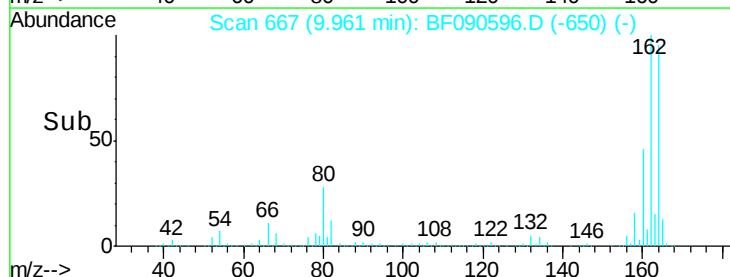
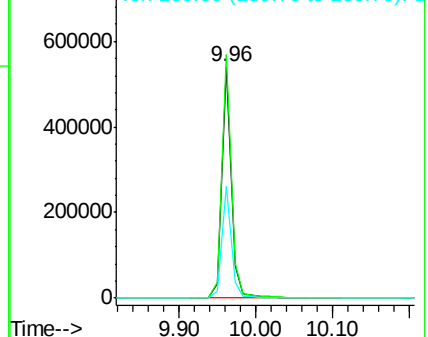
164 100

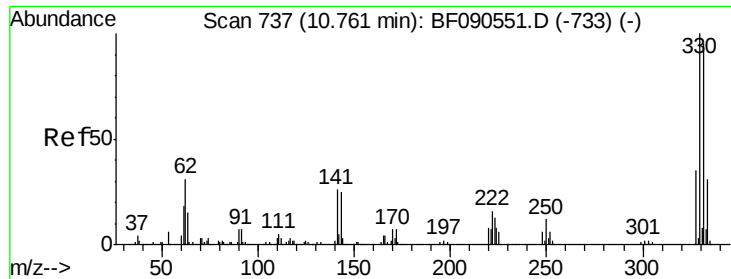
162 105.3 82.2 123.4

160 48.3 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

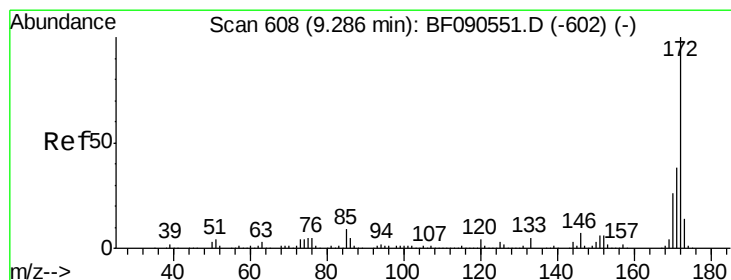
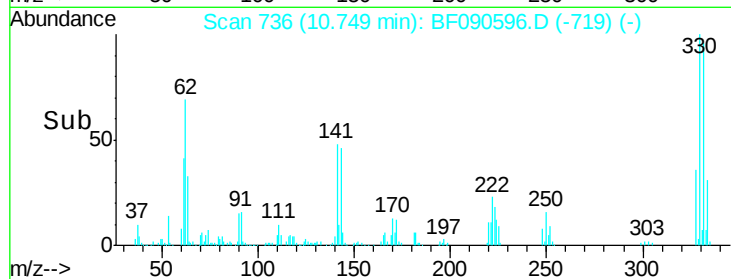
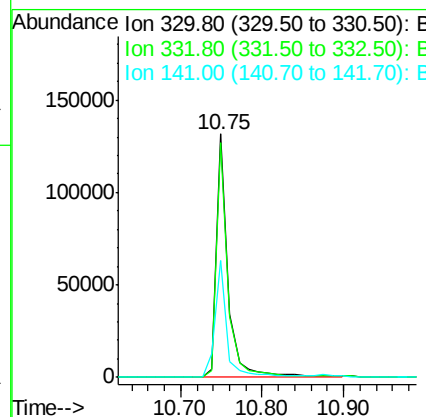
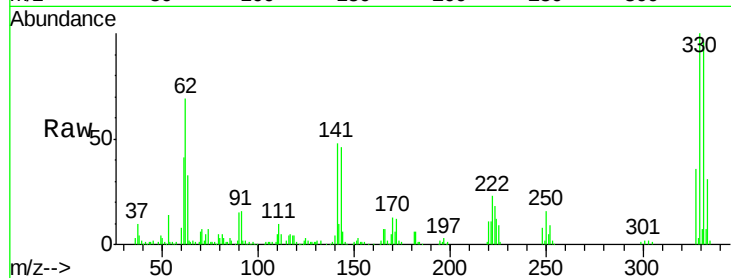




#41
 2,4,6-Tribromophenol
 Concen: 31.86 ng
 RT: 10.75 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF090596.D
 Acq: 15 Oct 2016 9:23

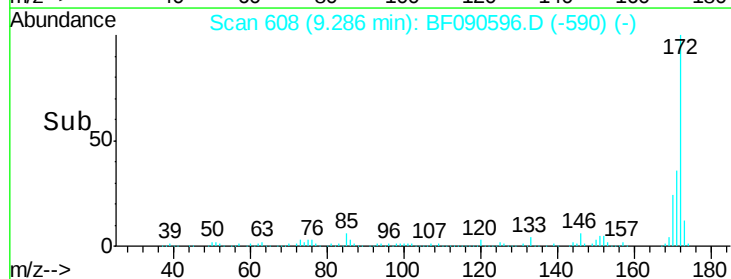
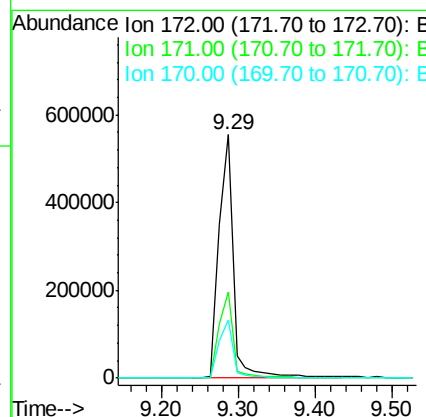
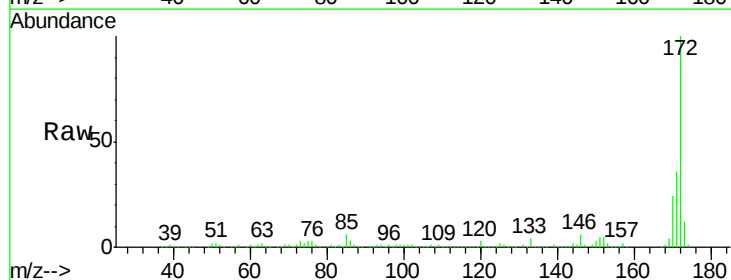
Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.2
141	49.7	31.4	47.2#



#44
 2-Fluorobiphenyl
 Concen: 25.48 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090596.D
 Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.1	45.1
170	23.7	20.6	30.8

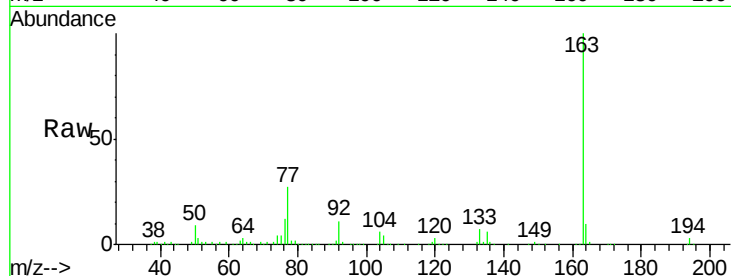




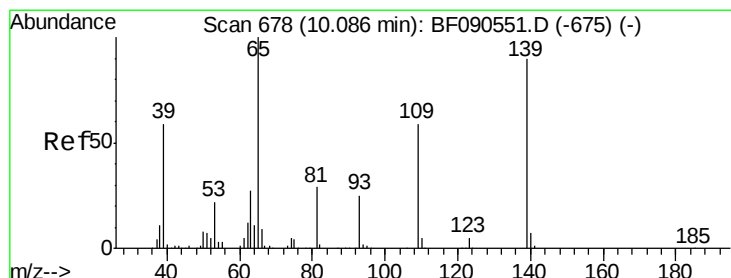
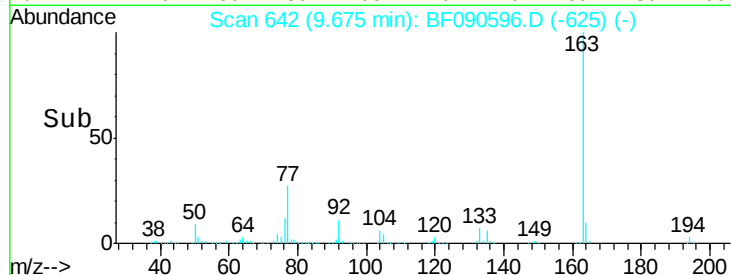
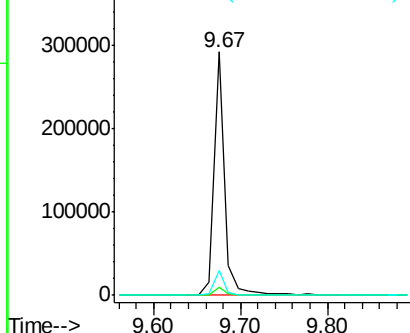
#49
Dimethylphthalate
Concen: 8.32 ng
RT: 9.67 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:163 Resp: 254128
Ion Ratio Lower Upper
163 100
194 3.2 2.3 3.5
164 10.1 8.6 13.0

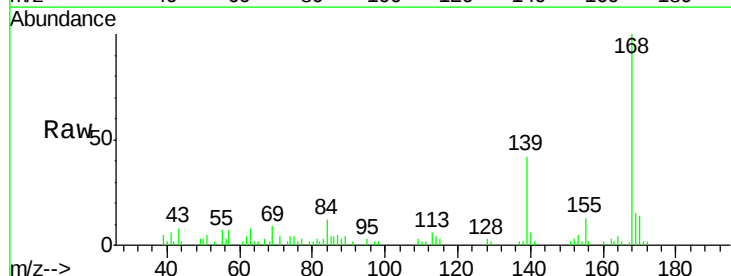


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

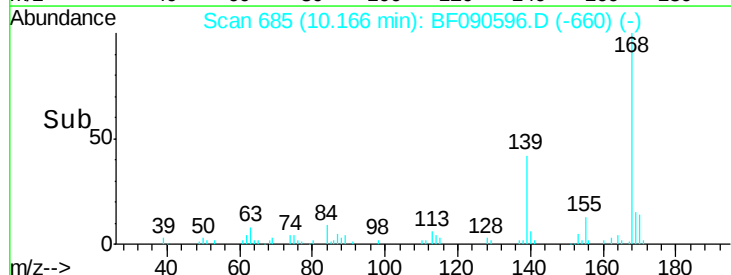
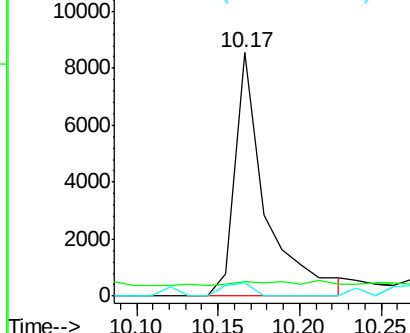


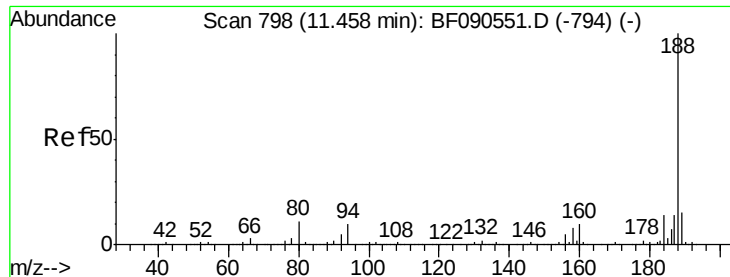
#55
4-Nitrophenol
Concen: 2.20 ng
RT: 10.17 min Scan# 685
Delta R.T. 0.08 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion:139 Resp: 11111
Ion Ratio Lower Upper
139 100
109 6.1 45.9 85.9#
65 5.3 95.8 135.8#



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

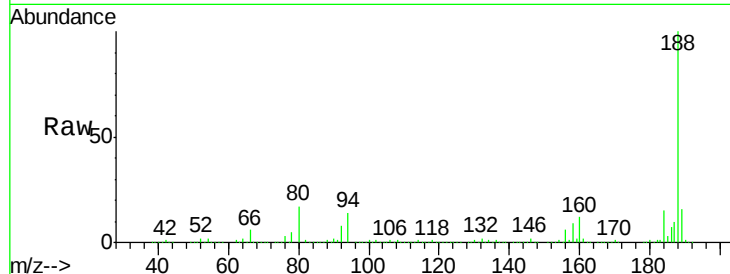




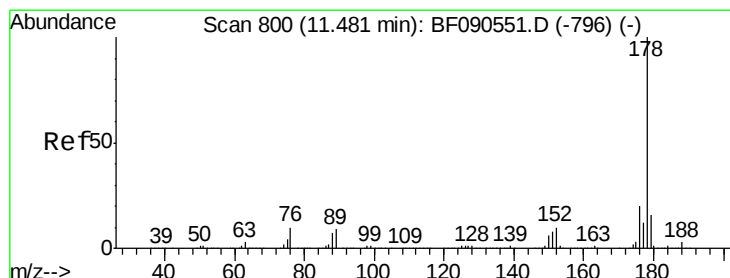
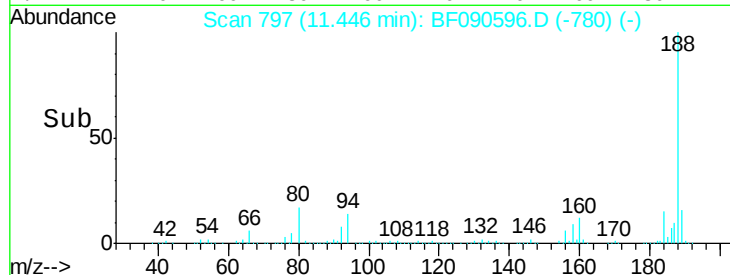
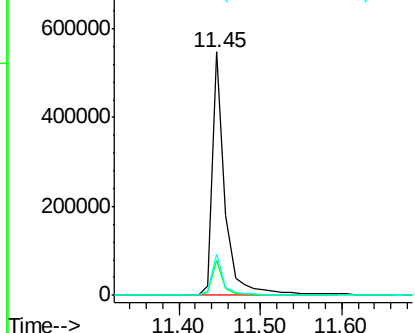
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:188 Resp: 603223
Ion Ratio Lower Upper
188 100
94 14.3 7.7 11.5#
80 17.1 8.6 12.8#

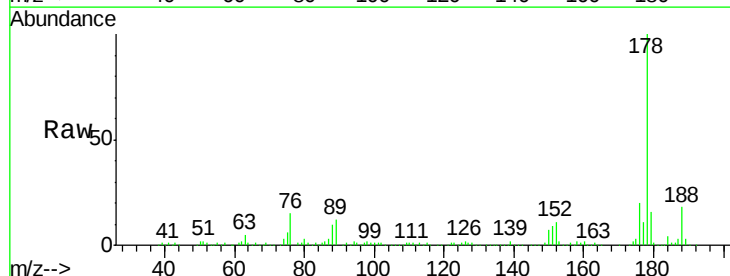


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

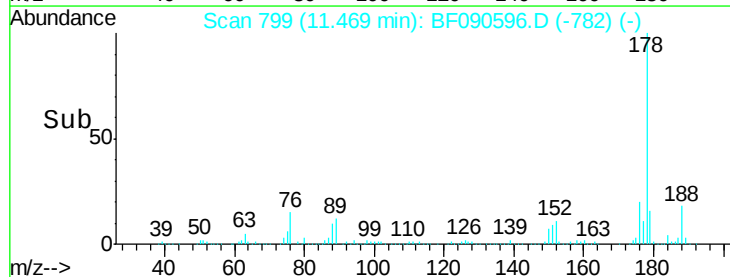
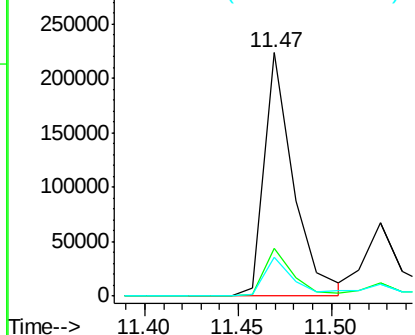


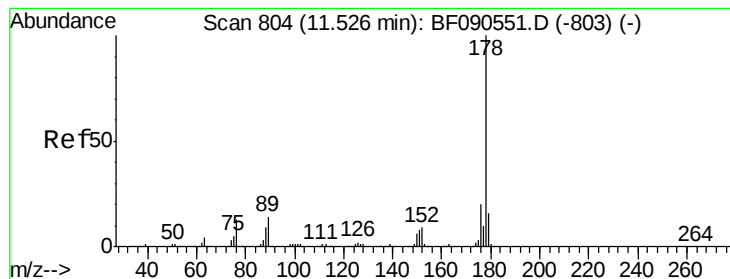
#70
Phenanthrene
Concen: 7.53 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion:178 Resp: 242351
Ion Ratio Lower Upper
178 100
176 19.9 16.1 24.1
179 15.9 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





#71

Anthracene

Concen: 2.98 ng

RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1

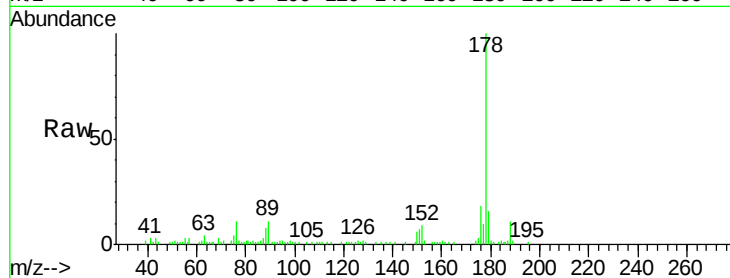
Tgt Ion:178 Resp: 103213

Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

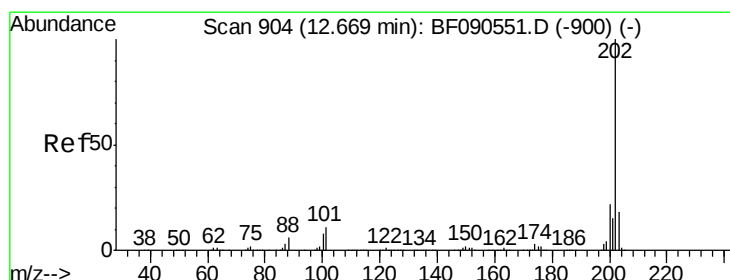
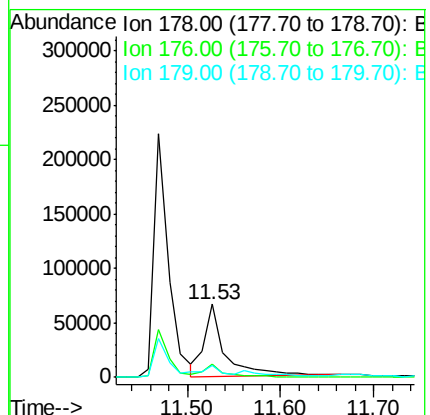
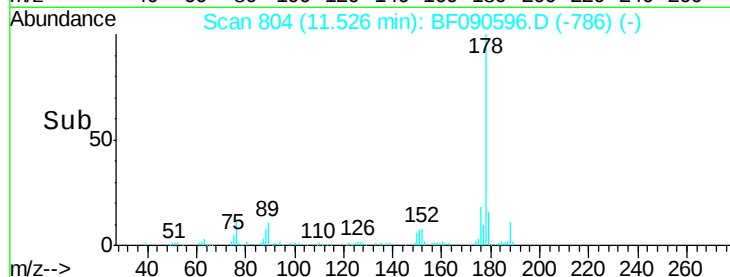
179 16.1 13.0 19.4



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



#74

Fluoranthene

Concen: 9.61 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

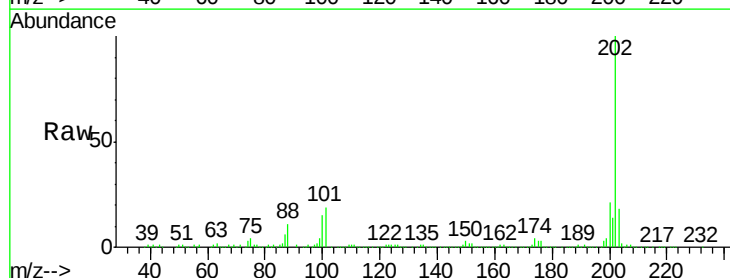
Tgt Ion:202 Resp: 311284

Ion Ratio Lower Upper

202 100

101 19.4 0.0 31.1

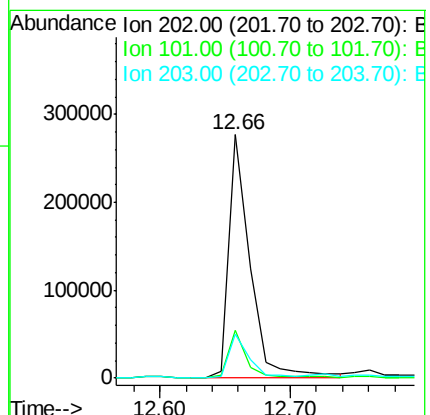
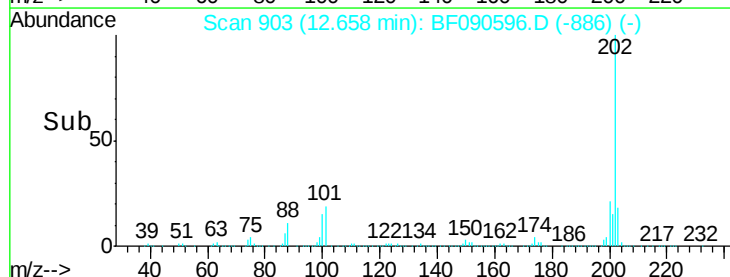
203 18.0 0.0 38.0

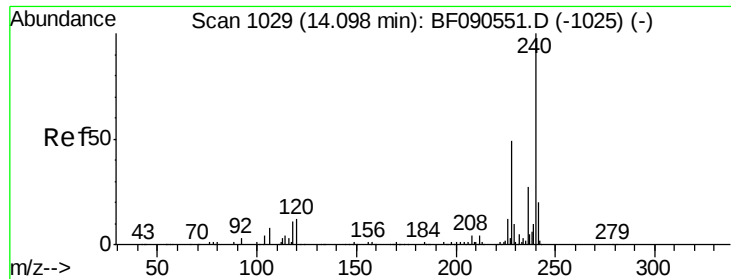


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.10 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1

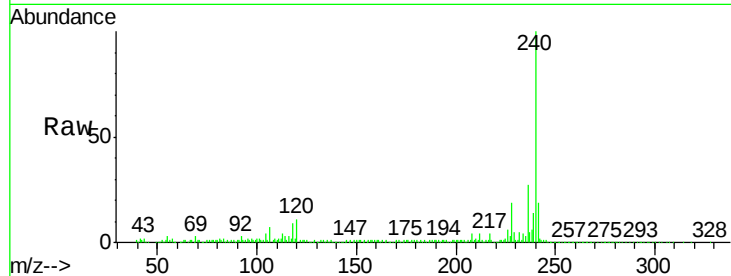
Tgt Ion:240 Resp: 519141

Ion Ratio Lower Upper

240 100

120 10.9 9.8 14.8

236 26.9 21.7 32.5

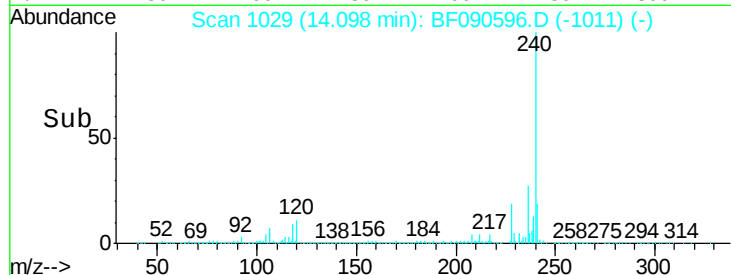


Abundance Ion 240.00 (239.70 to 240.70): E

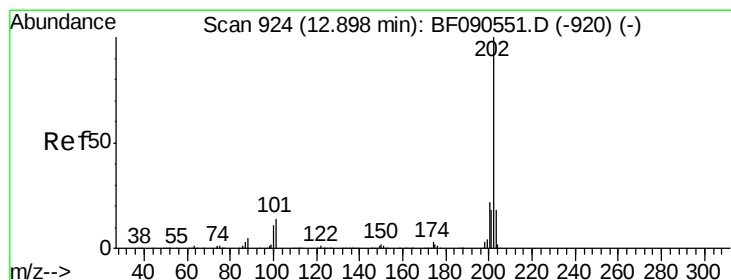
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 9.04 ng

RT: 12.89 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

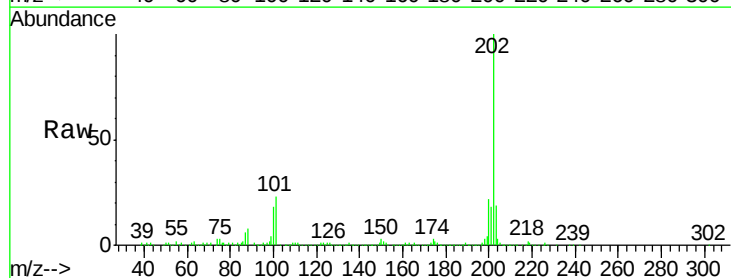
Tgt Ion:202 Resp: 310861

Ion Ratio Lower Upper

202 100

200 22.0 17.8 26.6

203 19.3 14.6 21.8

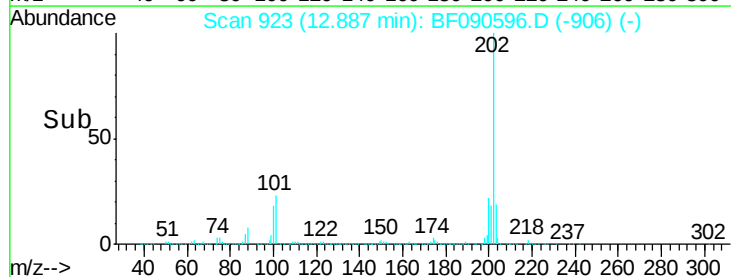


Abundance Ion 202.00 (201.70 to 202.70): E

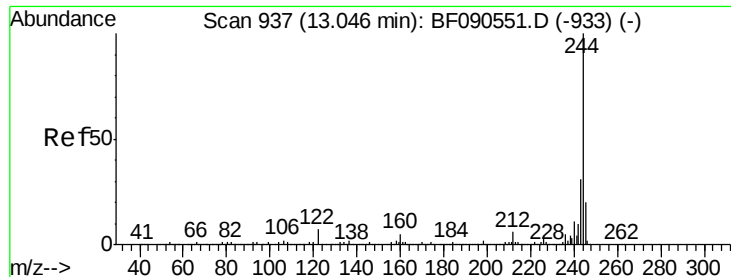
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 21.88 ng

RT: 13.04 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampleId :

1

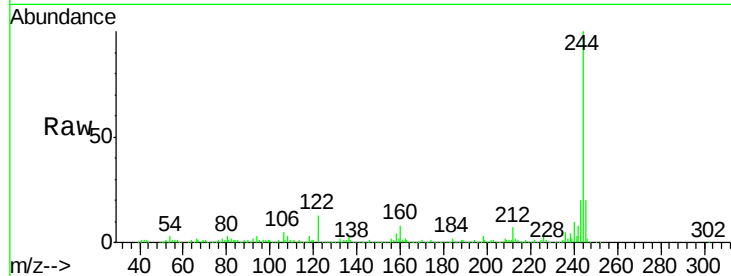
Tgt Ion:244 Resp: 487805

Ion Ratio Lower Upper

244 100

212 7.3 5.0 7.4

122 13.4 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

600000

500000

400000

300000

200000

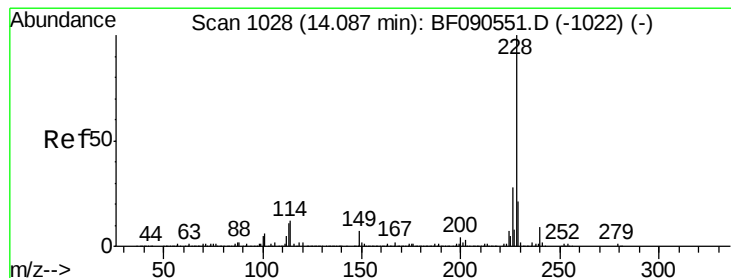
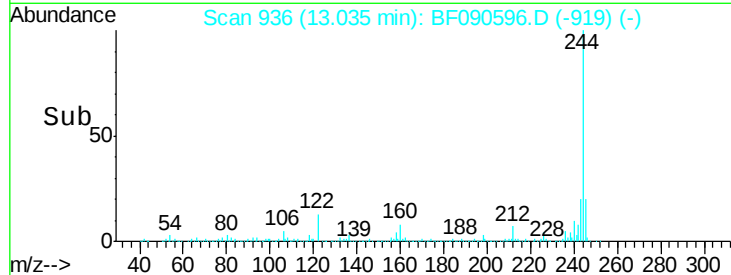
100000

0

13.04

12.90 13.00 13.10 13.20

Time-->



#80

Benzo(a)anthracene

Concen: 11.61 ng

RT: 14.09 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

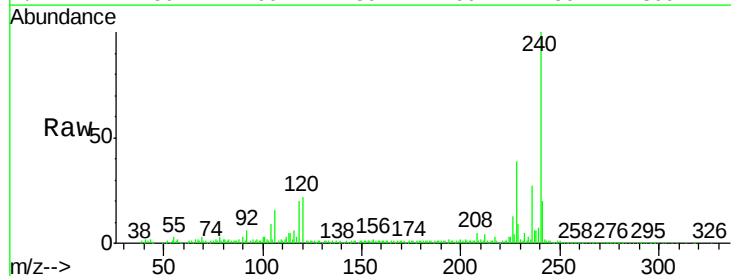
Tgt Ion:228 Resp: 343091

Ion Ratio Lower Upper

228 100

226 33.6 22.8 34.2

229 23.9 16.6 25.0



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

150000

100000

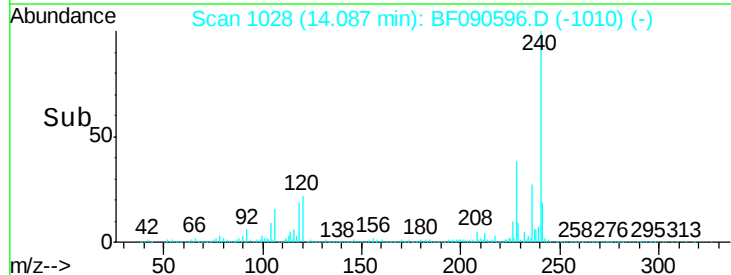
50000

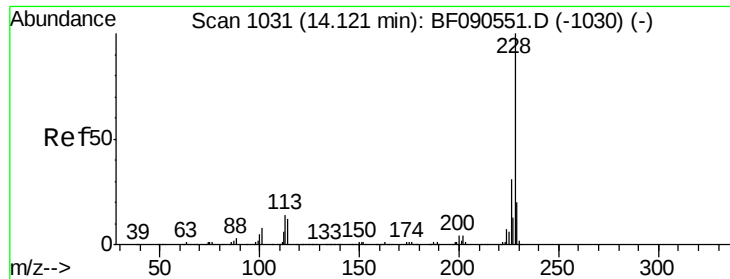
0

14.09

13.90 14.00 14.10 14.20

Time-->





#82

Chrysene

Concen: 12.05 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

Instrument :

BNA_F

ClientSampled :

1

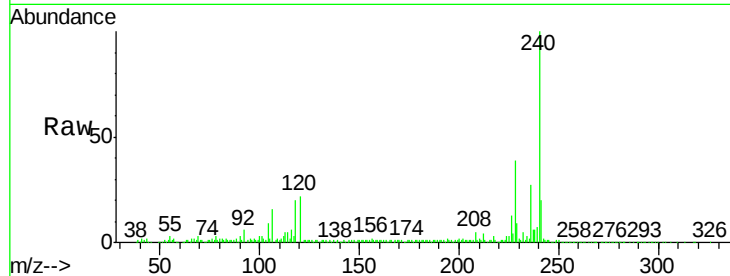
Tgt Ion:228 Resp: 343091

Ion Ratio Lower Upper

228 100

226 33.6 24.8 37.2

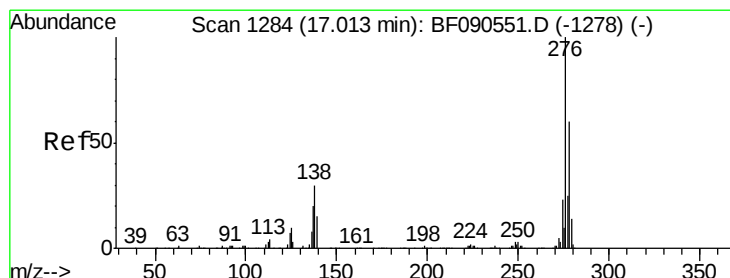
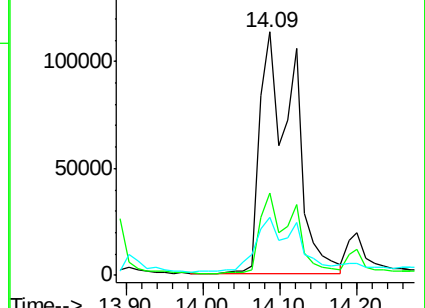
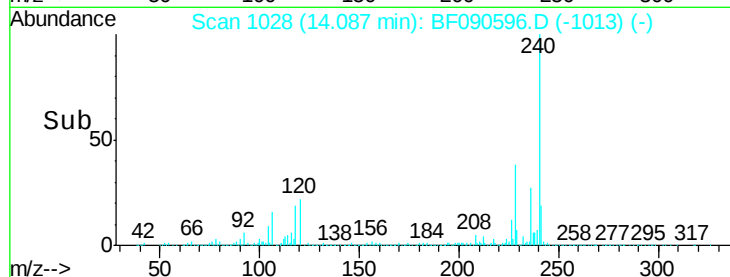
229 23.9 16.2 24.4



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: 5.77 ng

RT: 17.00 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF090596.D

Acq: 15 Oct 2016 9:23

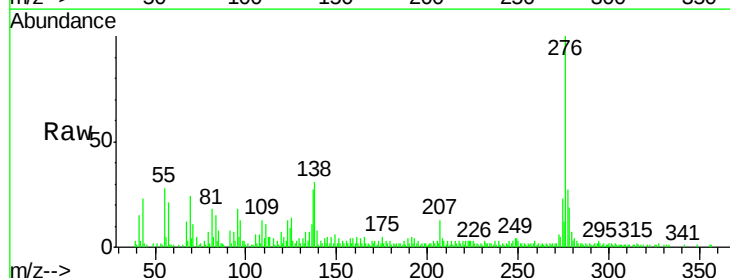
Tgt Ion:276 Resp: 95018

Ion Ratio Lower Upper

276 100

138 33.1 25.8 38.6

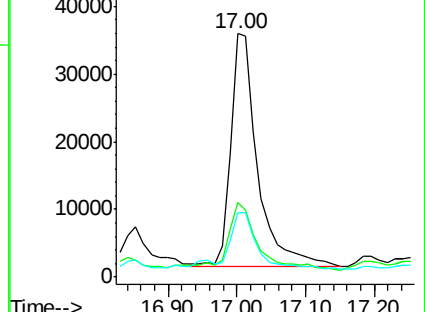
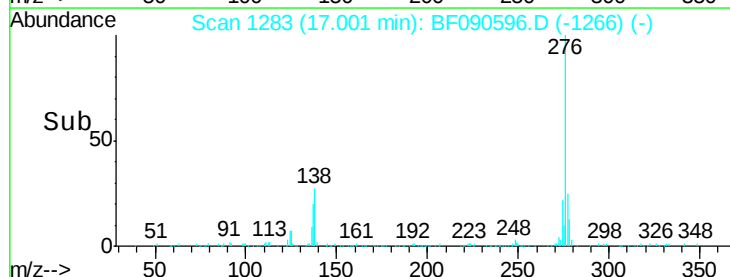
277 28.5 20.1 30.1

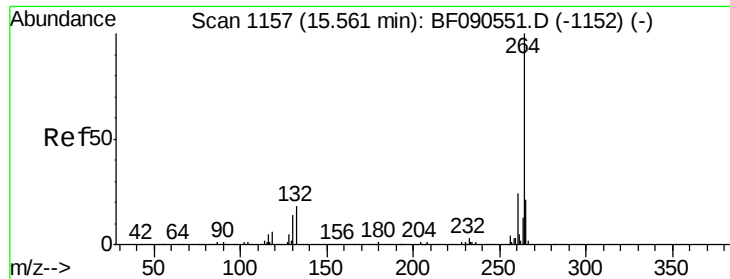


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



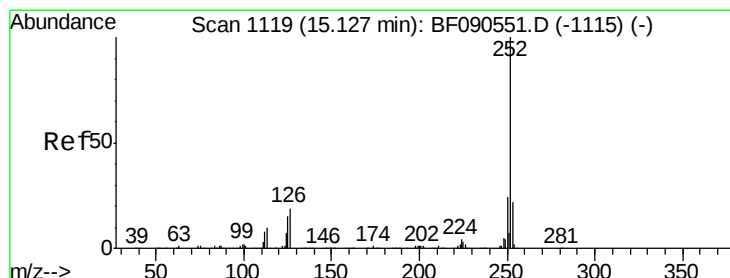
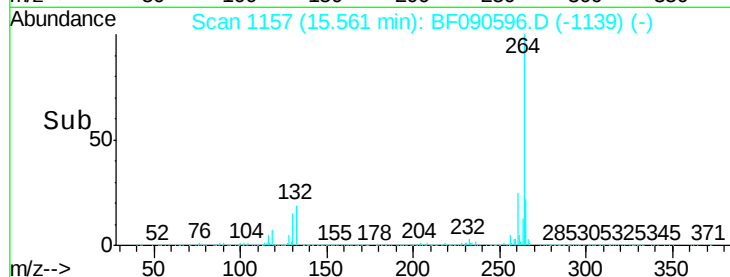
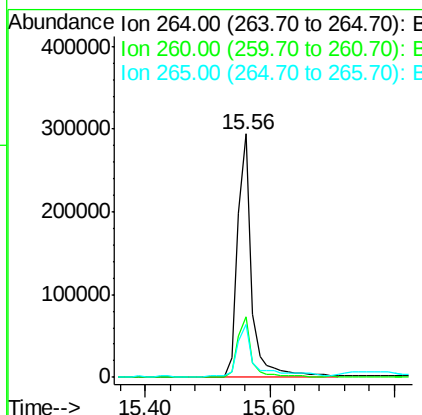
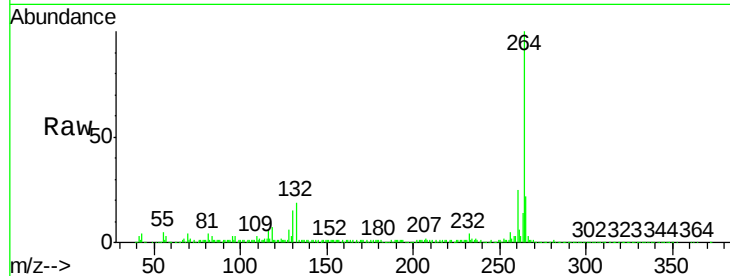


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion: 264 Resp: 463201

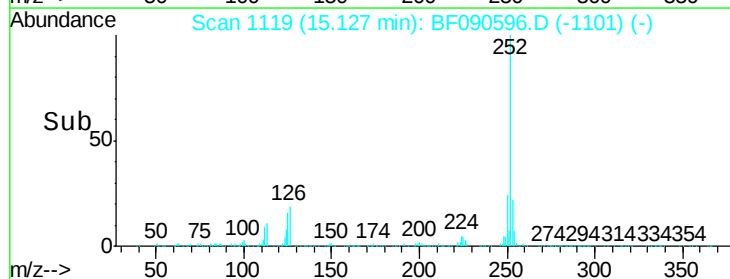
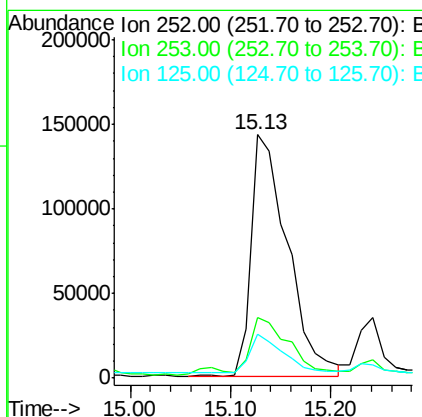
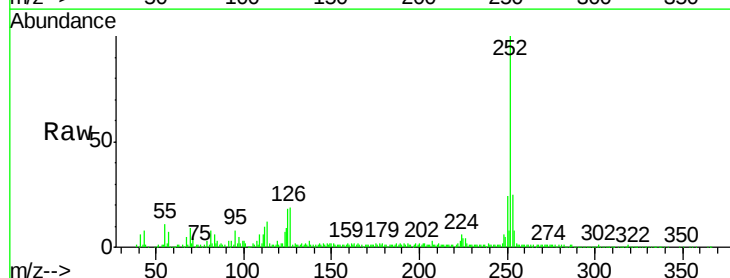
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	21.9	16.7	25.1

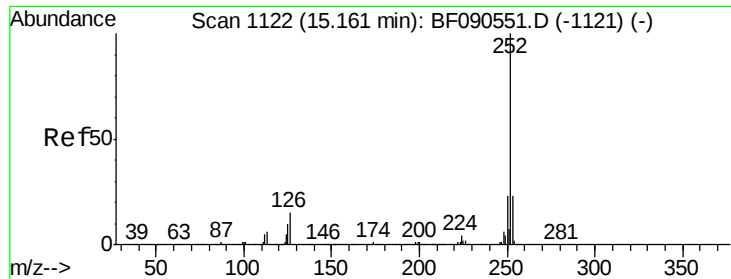


#87
Benzo(b)fluoranthene
Concen: 11.76 ng
RT: 15.13 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion: 252 Resp: 356346

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	18.0	12.0	18.0

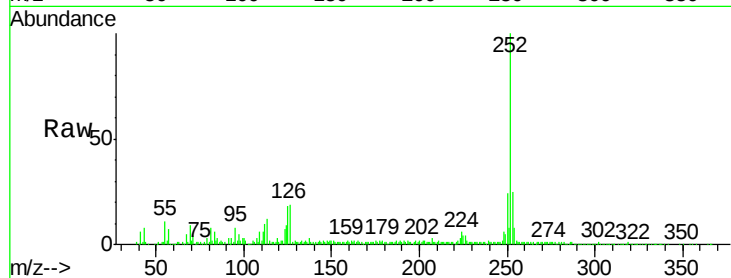




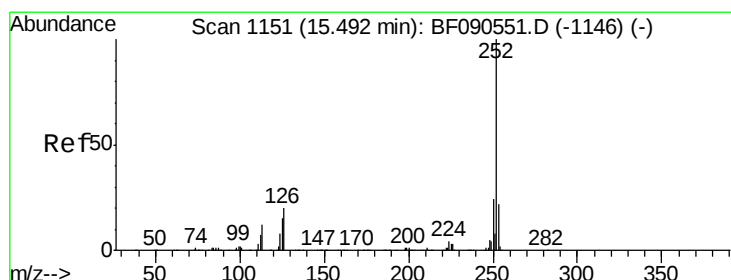
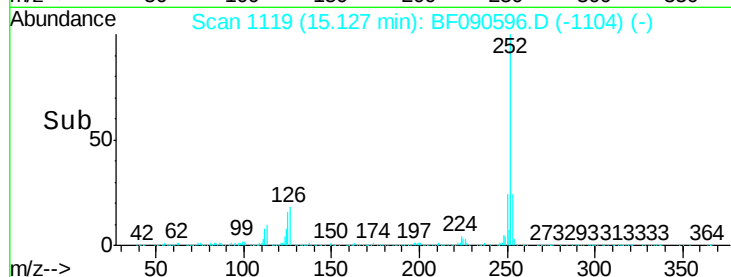
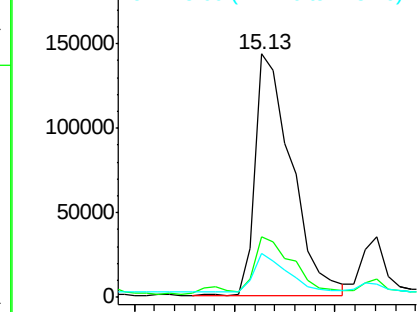
#88
Benzo(k)fluoranthene
Concen: 10.93 ng
RT: 15.13 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	18.0	10.0	15.0

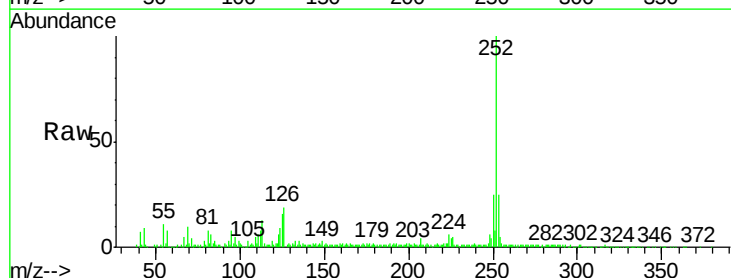


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

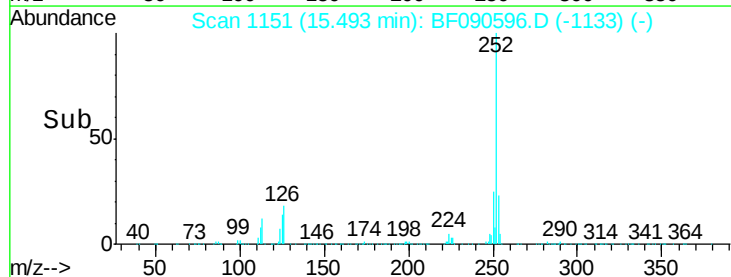
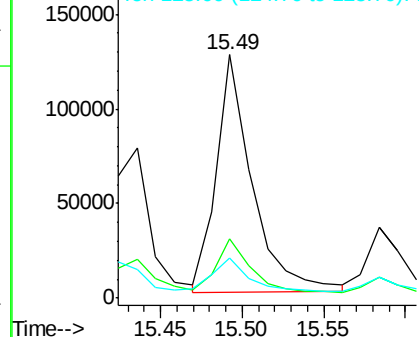


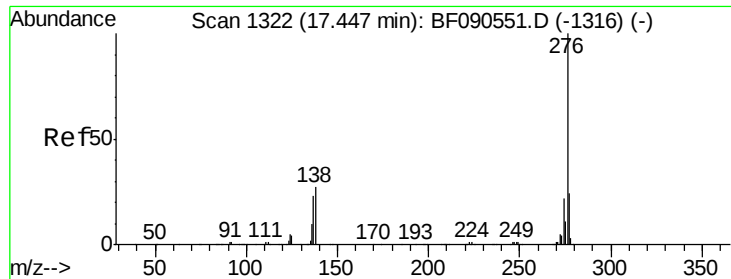
#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090596.D
Acq: 15 Oct 2016 9:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	16.5	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: 4.25 ng
 RT: 17.45 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF090596.D
 Acq: 15 Oct 2016 9:23

Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	29.1	21.8	32.8

