

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092116\
 Data File : BF090181.D
 Acq On : 22 Sep 2016 1:31
 Operator : UM/SJ
 Sample : H4856-07 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Sep 22 01:58:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

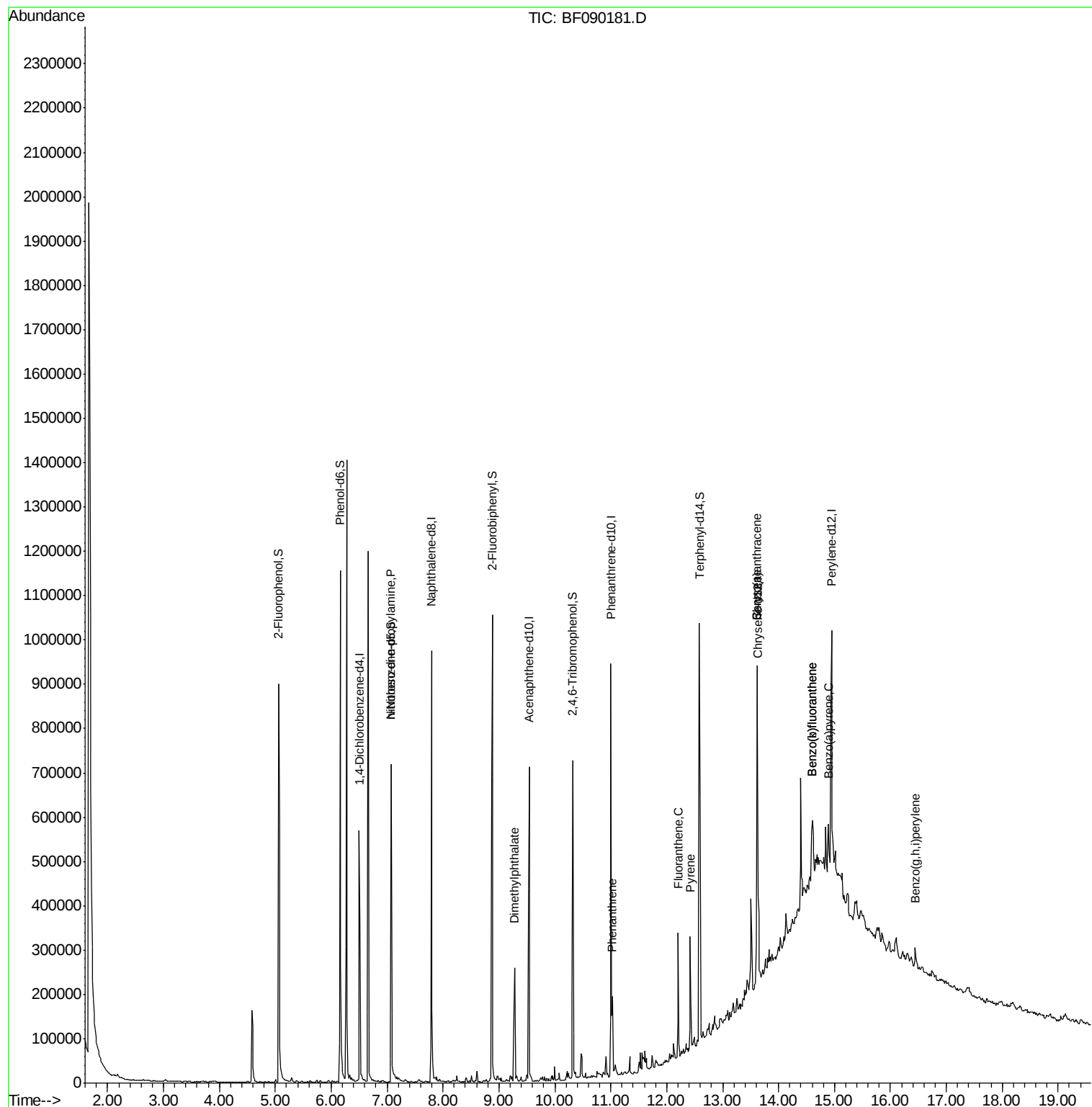
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	124056	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	443282	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	199562	20.00	ng	-0.01
63) Phenanthrene-d10	11.01	188	337244	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	346037	20.00	ng	-0.01
86) Perylene-d12	14.95	264	283300	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	390103	51.26	ng	-0.01
7) Phenol-d6	6.16	99	488338	51.96	ng	-0.01
23) Nitrobenzene-d5	7.07	82	269565	35.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	93286	54.49	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	466212	45.86	ng	-0.01
78) Terphenyl-d14	12.58	244	376313	27.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.07	70	28941	5.24	ng	Qvalue # 80
49) Dimethylphthalate	9.28	163	143418	11.28	ng	99
70) Phenanthrene	11.03	178	59912	3.80	ng	99
74) Fluoranthene	12.21	202	118436	7.00	ng	95
77) Pyrene	12.42	202	105519	4.46	ng	96
80) Benzo(a)anthracene	13.61	228	58573	3.15	ng	95
82) Chrysene	13.61	228	58573	3.23	ng	97
87) Benzo(b)fluoranthene	14.61	252	94635	6.03	ng	# 93
88) Benzo(k)fluoranthene	14.61	252	94635	6.43	ng	# 88
89) Benzo(a)pyrene	14.89	252	43251	2.93	ng	# 86
91) Benzo(g,h,i)perylene	16.45	276	26135	2.32	ng	94

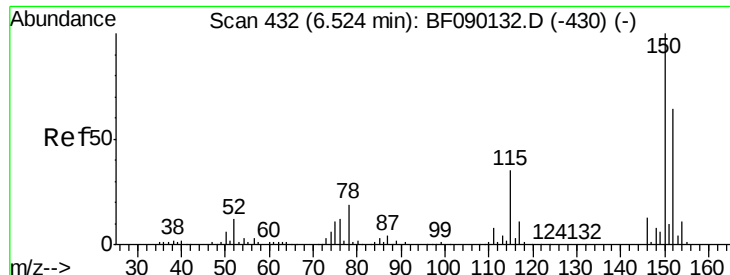
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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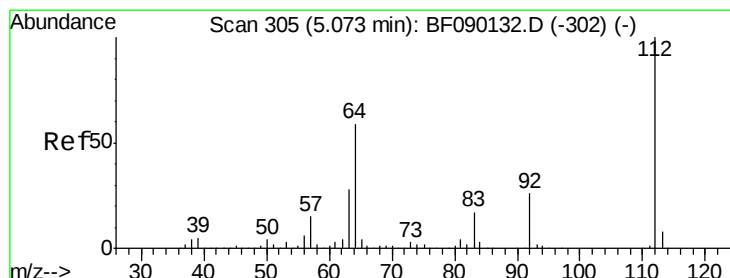
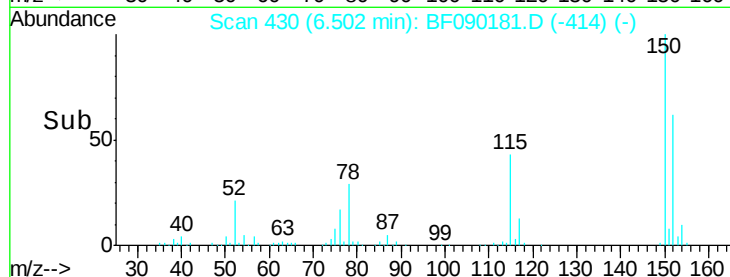
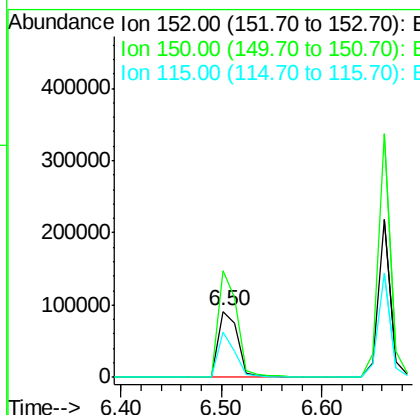
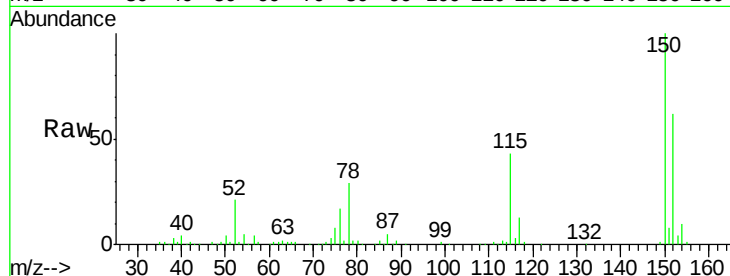




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

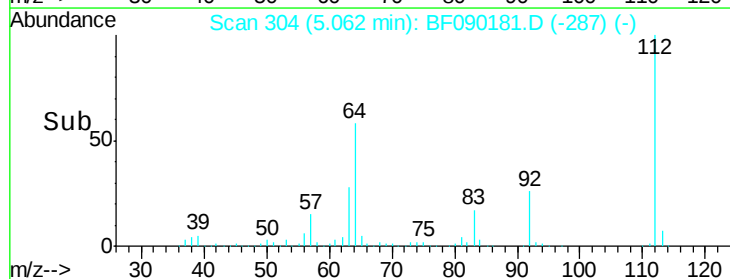
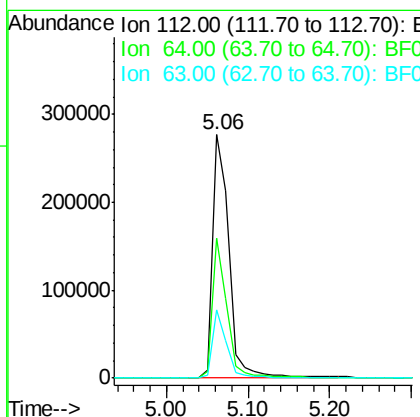
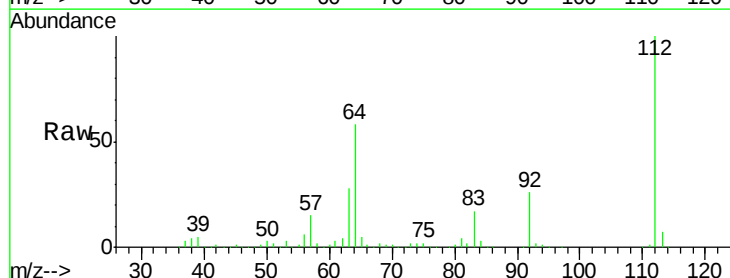
Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tgt Ion:152 Resp: 124056
 Ion Ratio Lower Upper
 152 100
 150 161.4 128.9 193.3
 115 69.6 55.5 83.3



#5
 2-Fluorophenol
 Concen: 51.26 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

Tgt Ion:112 Resp: 390103
 Ion Ratio Lower Upper
 112 100
 64 57.6 39.8 59.6
 63 28.1 18.9 28.3





#7

Phenol-d6

Concen: 51.96 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

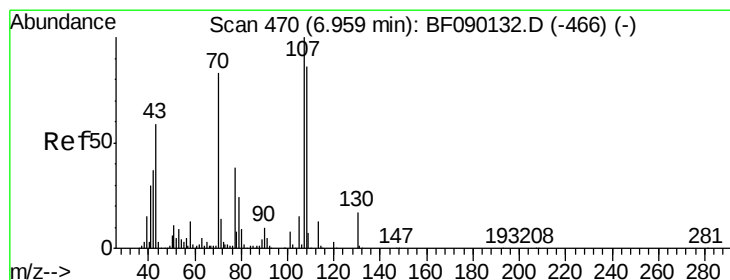
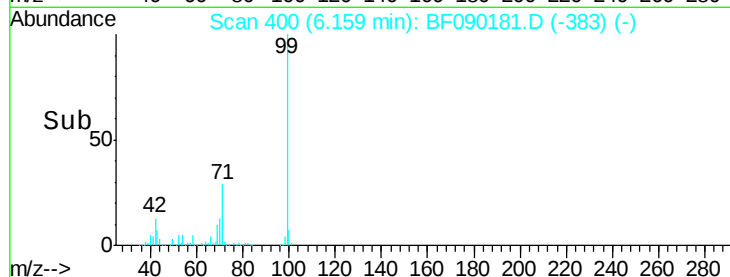
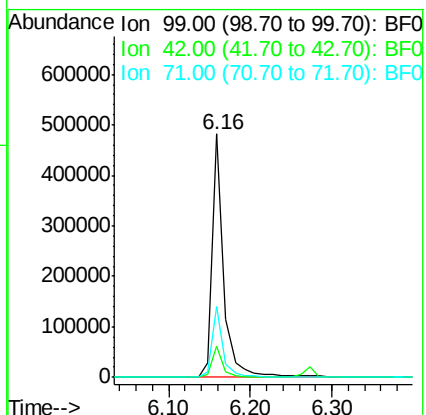
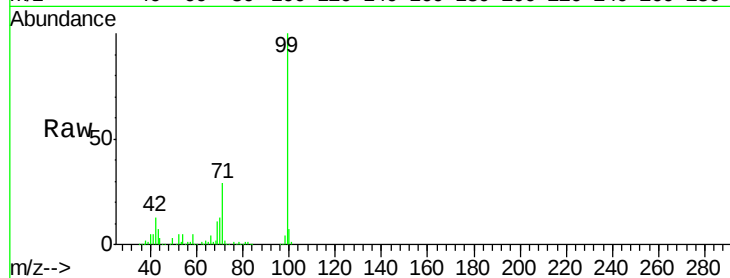
Tgt Ion: 99 Resp: 488338

Ion Ratio Lower Upper

99 100

42 13.0 10.6 15.8

71 29.2 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.24 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Tgt Ion: 70 Resp: 28941

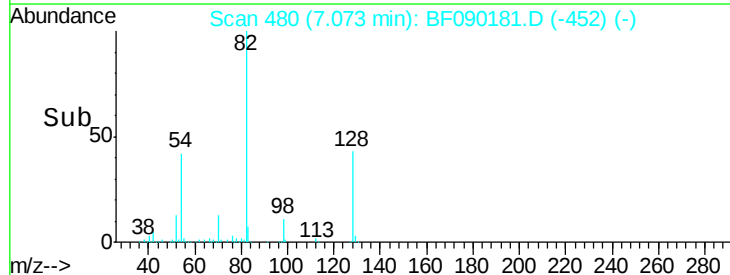
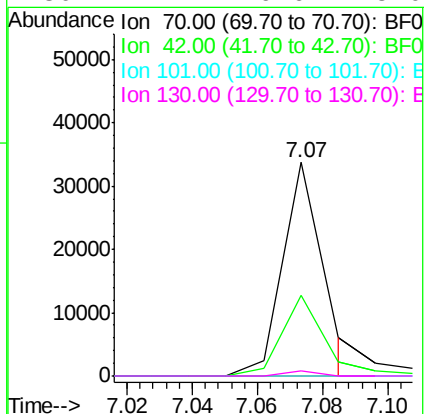
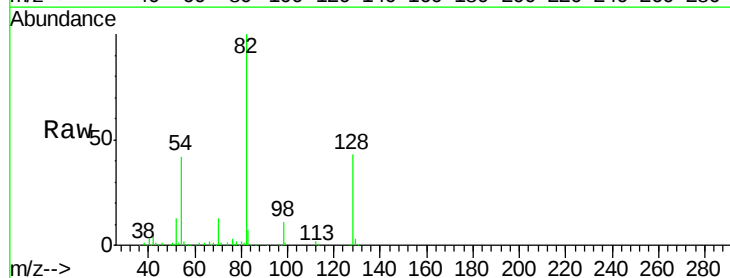
Ion Ratio Lower Upper

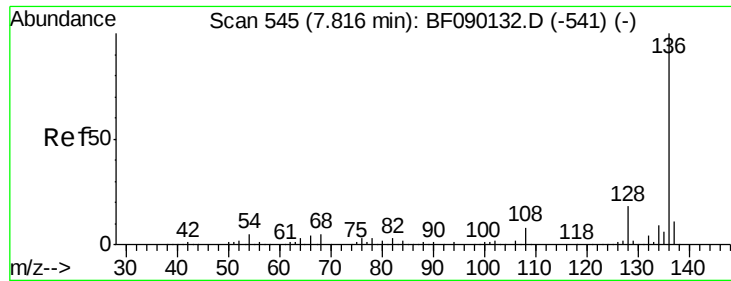
70 100

42 37.7 35.1 52.7

101 0.0 7.5 11.3#

130 2.2 16.6 25.0#

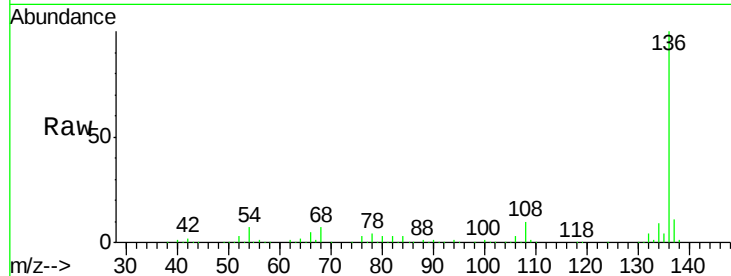




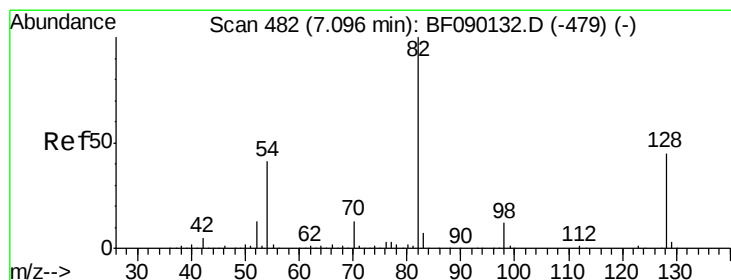
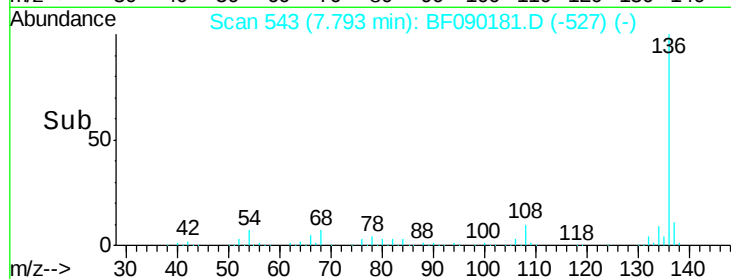
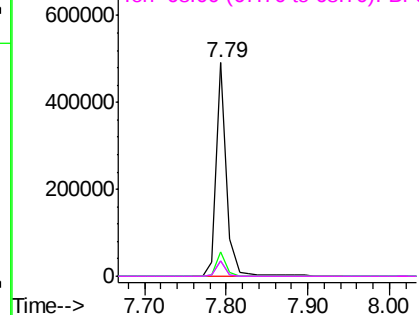
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion:	136	Resp:	443282
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.5	6.4	9.6
68	7.1	6.3	9.5

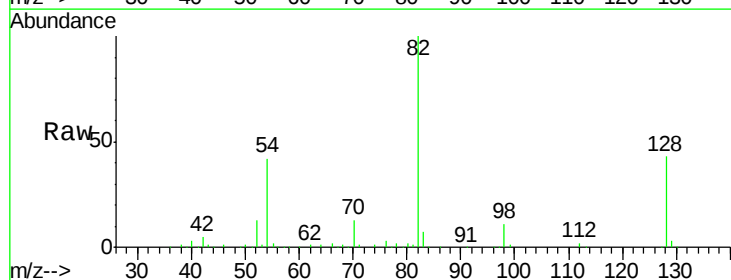


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

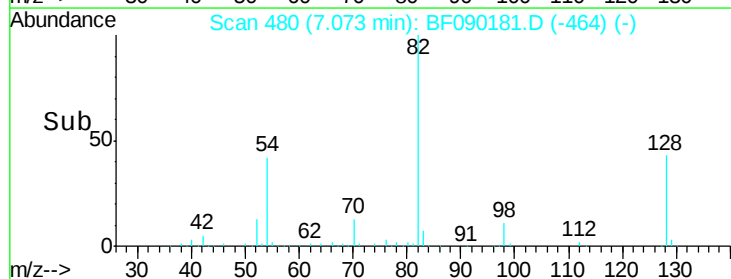
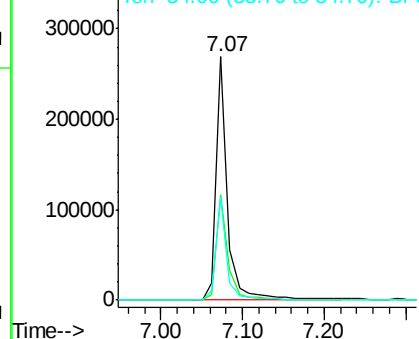


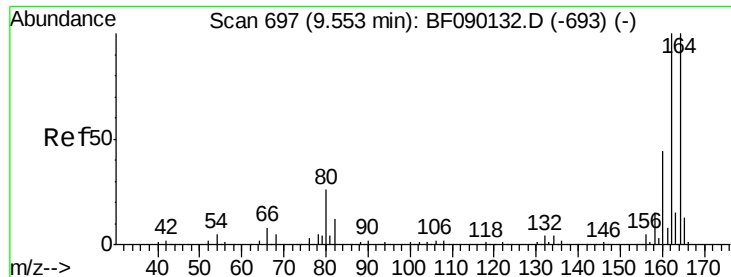
#23
Nitrobenzene-d5
Concen: 35.25 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Tgt Ion:	82	Resp:	269565
Ion	Ratio	Lower	Upper
82	100		
128	43.4	37.5	56.3
54	42.0	31.9	47.9



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: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampled :

DUP

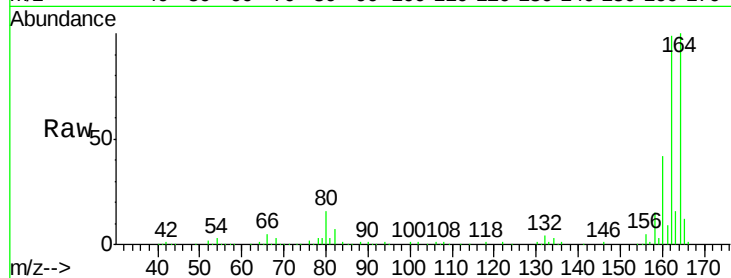
Tgt Ion:164 Resp: 199562

Ion Ratio Lower Upper

164 100

162 99.2 81.4 122.2

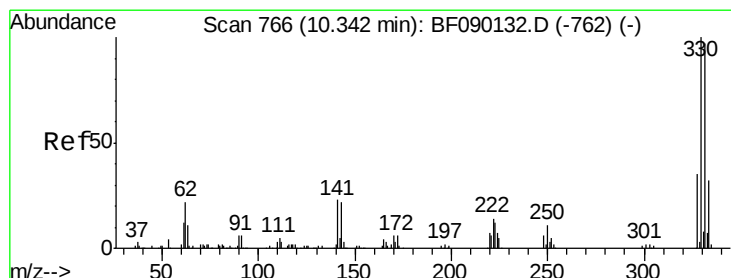
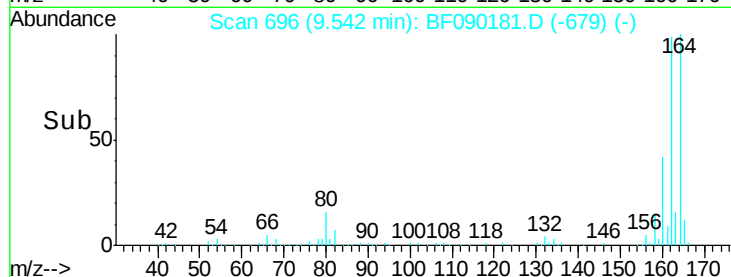
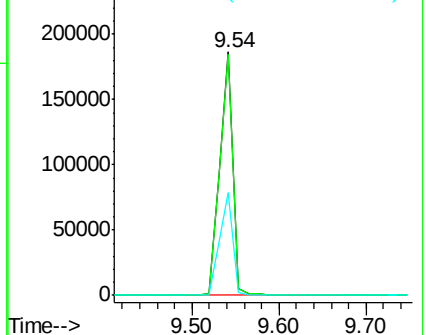
160 42.4 36.6 54.8



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: 54.49 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

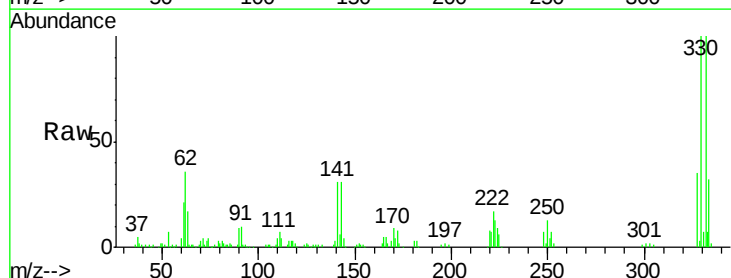
Tgt Ion:330 Resp: 93286

Ion Ratio Lower Upper

330 100

332 99.4 78.1 117.1

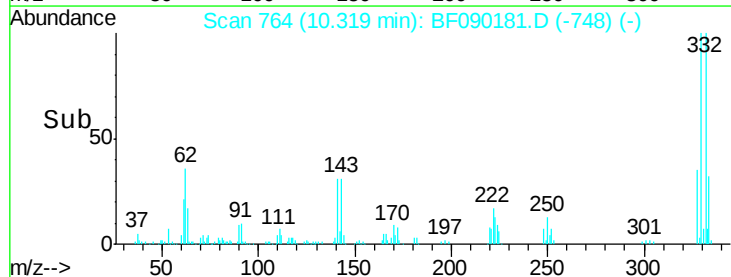
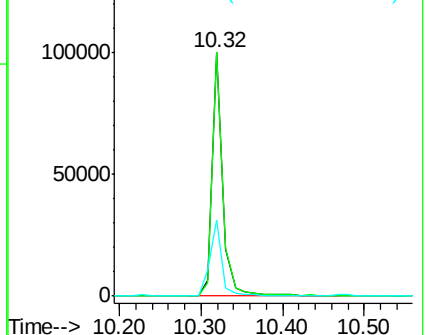
141 36.1 23.9 35.9#



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

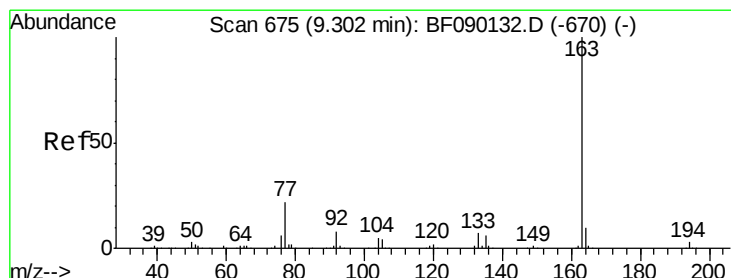
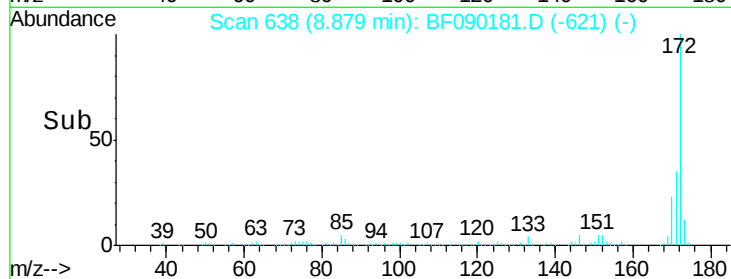
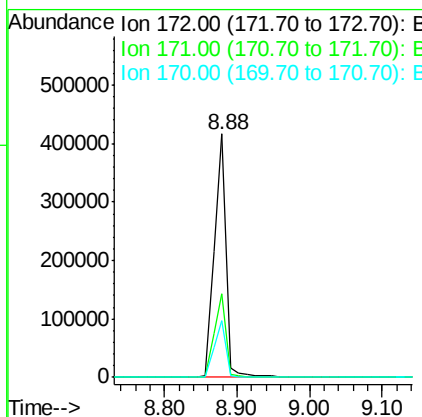
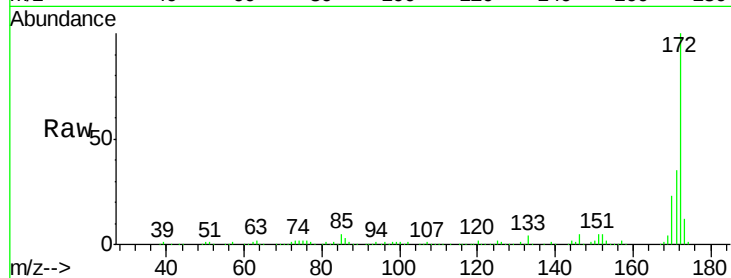




#44
 2-Fluorobiphenyl
 Concen: 45.86 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

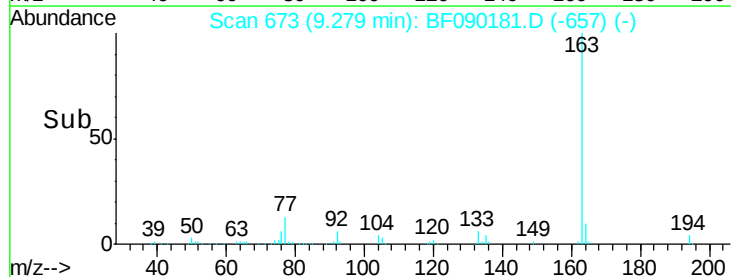
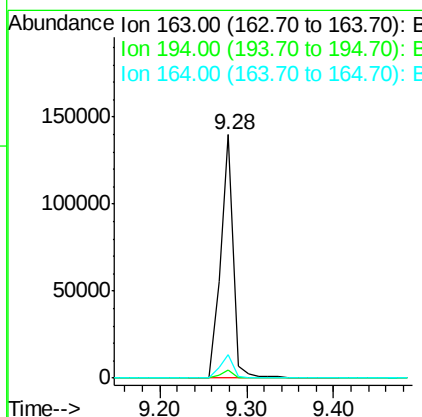
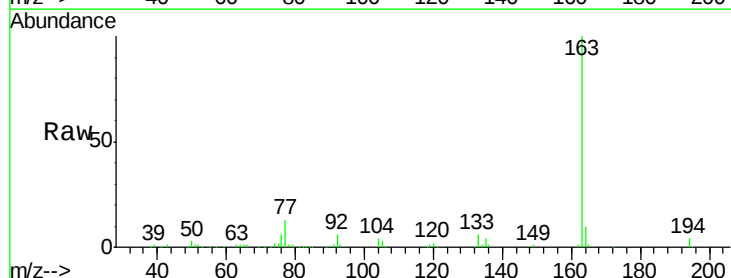
Instrument :
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 DUP

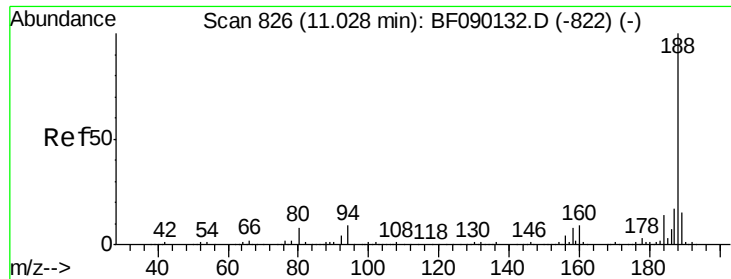
Tgt Ion:172 Resp: 466212
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.2 43.8
 170 23.5 19.8 29.8



#49
 Dimethylphthalate
 Concen: 11.28 ng
 RT: 9.28 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

Tgt Ion:163 Resp: 143418
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.6 8.1 12.1

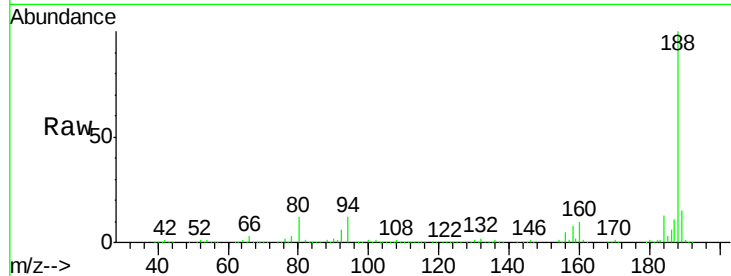




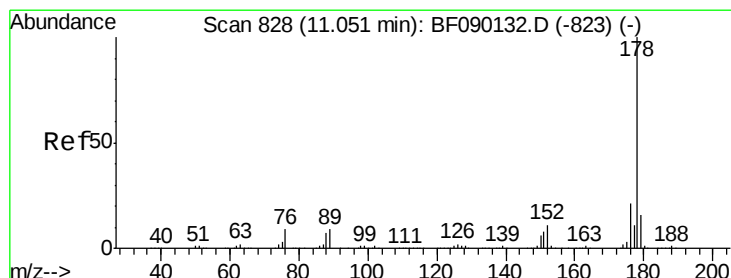
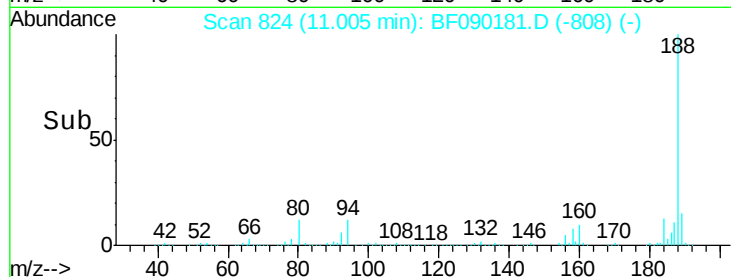
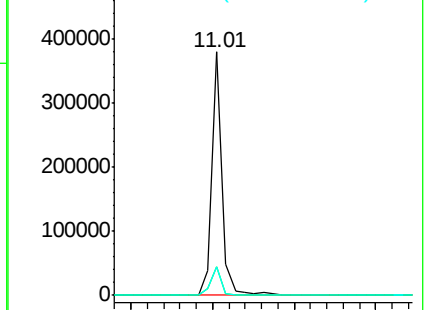
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Instrument :
BNA_F
ClientSampled :
DUP

Tgt Ion:188 Resp: 337244
Ion Ratio Lower Upper
188 100
94 11.6 10.5 15.7
80 11.9 11.2 16.8

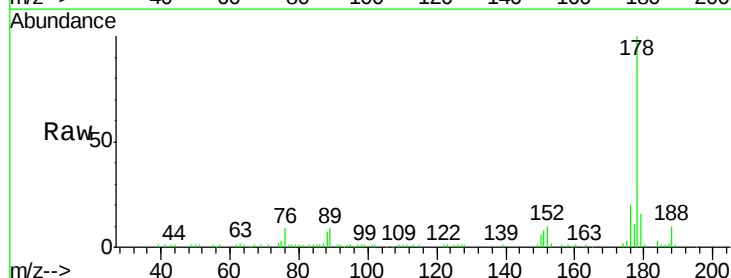


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

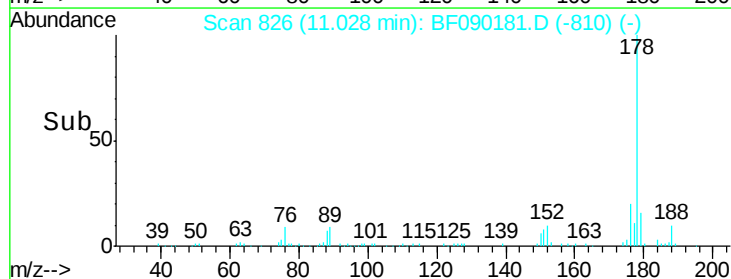
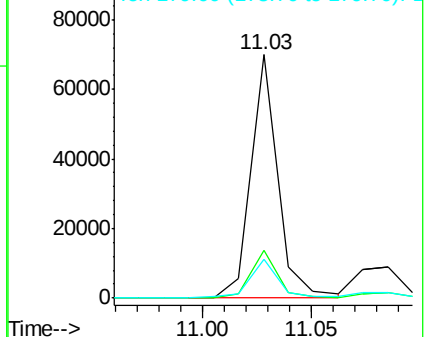


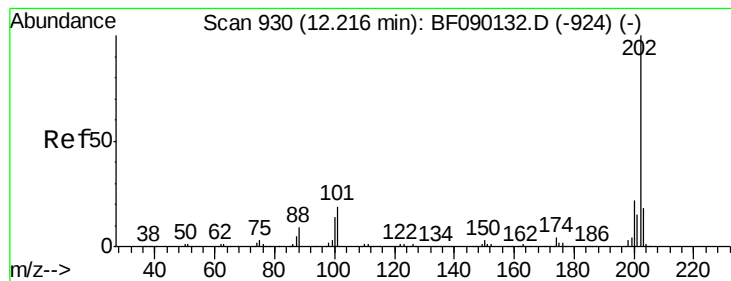
#70
Phenanthrene
Concen: 3.80 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Tgt Ion:178 Resp: 59912
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.8 12.9 19.3



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: 7.00 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

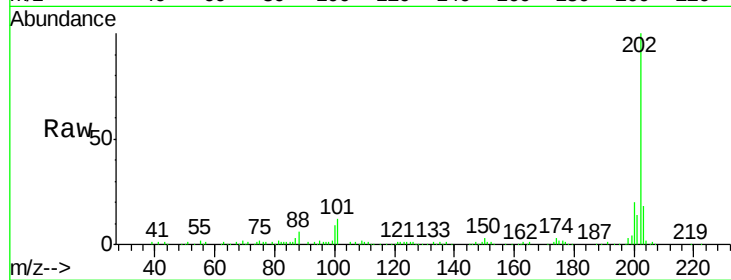
Tgt Ion: 202 Resp: 118436

Ion Ratio Lower Upper

202 100

101 12.1 0.0 36.1

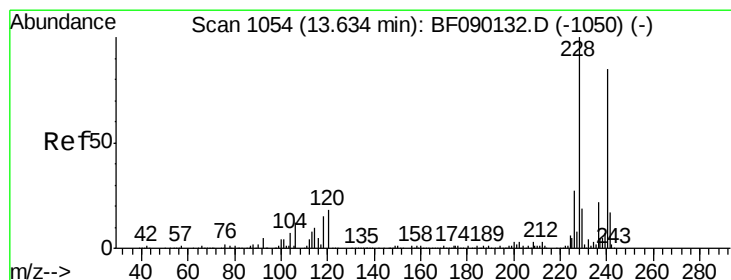
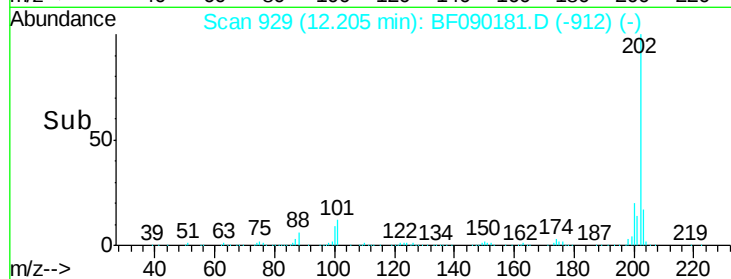
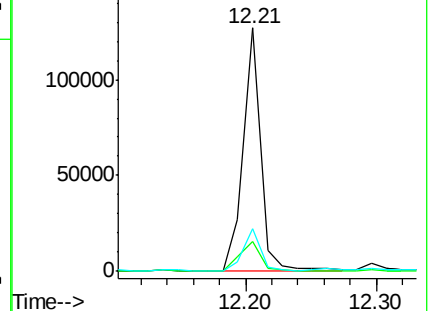
203 17.7 0.0 38.2



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: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

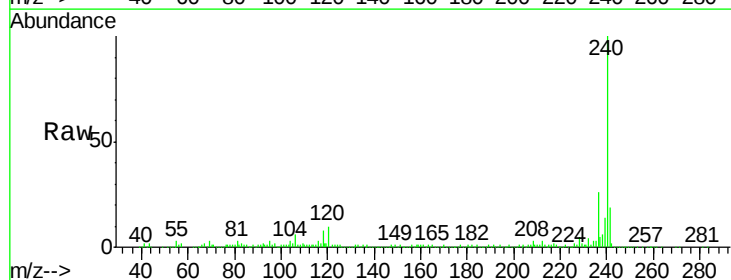
Tgt Ion: 240 Resp: 346037

Ion Ratio Lower Upper

240 100

120 10.0 10.6 16.0#

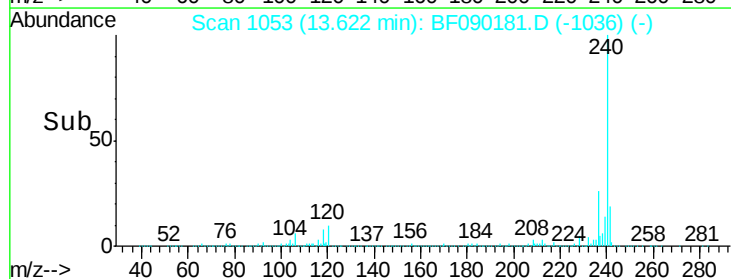
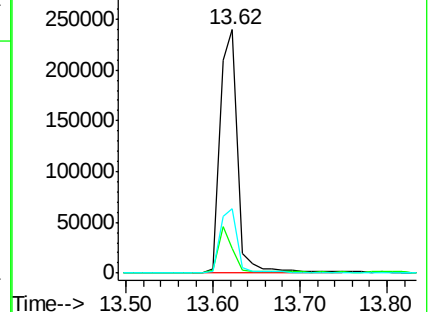
236 26.3 21.6 32.4

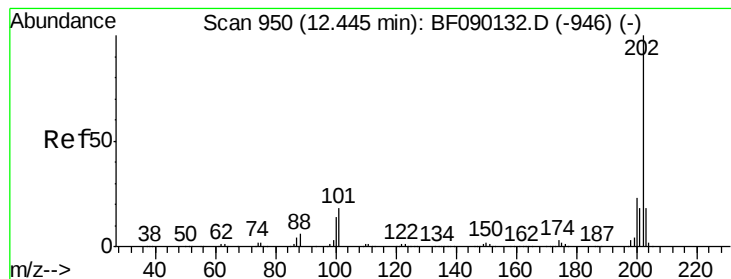


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.46 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

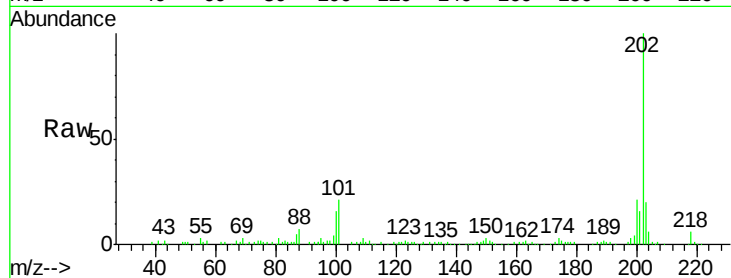
Tgt Ion: 202 Resp: 105519

Ion Ratio Lower Upper

202 100

200 20.5 17.9 26.9

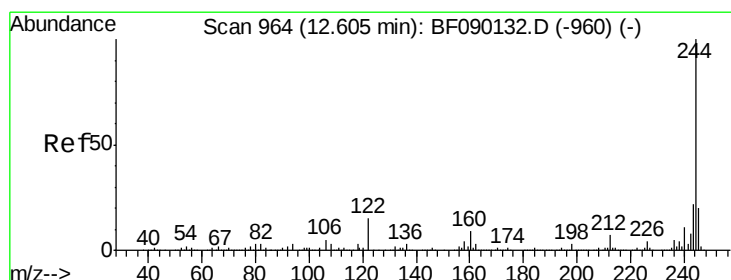
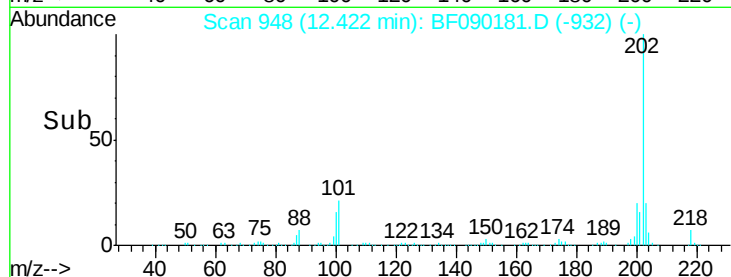
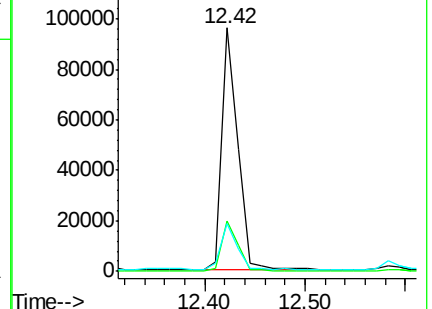
203 19.8 14.2 21.4



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: 27.61 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

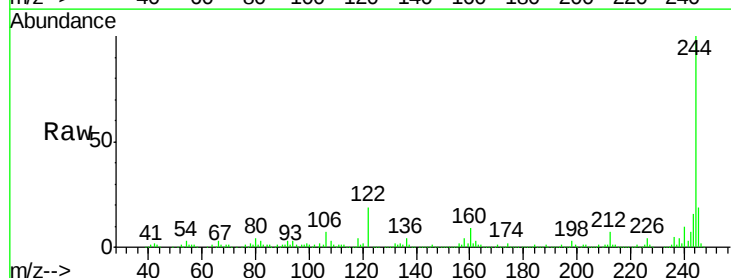
Tgt Ion: 244 Resp: 376313

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

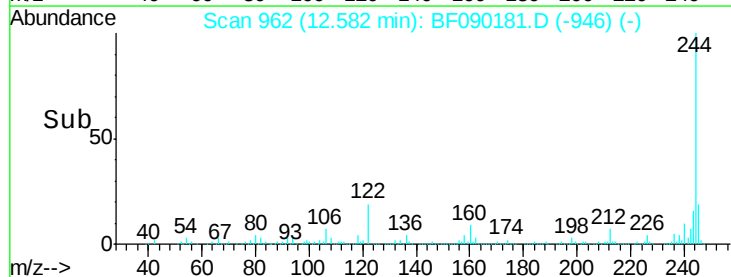
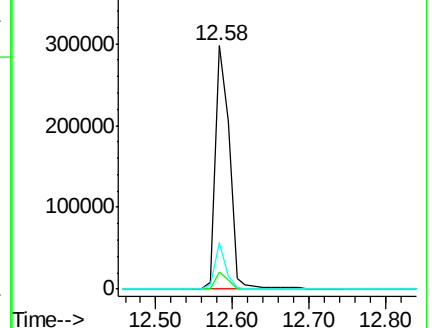
122 19.2 9.4 14.0#

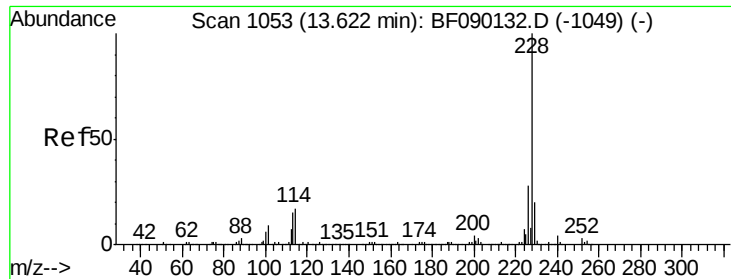


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.15 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

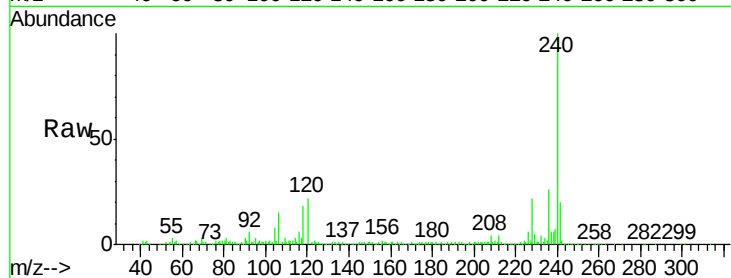
Tgt Ion:228 Resp: 58573

Ion Ratio Lower Upper

228 100

226 29.8 22.0 33.0

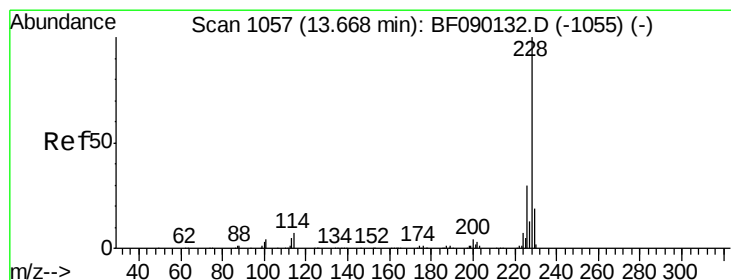
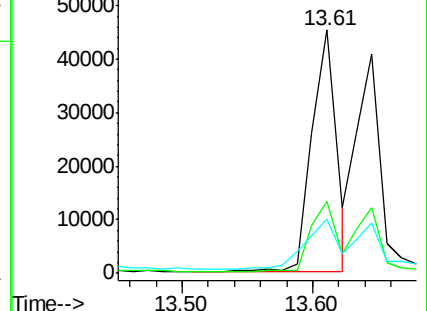
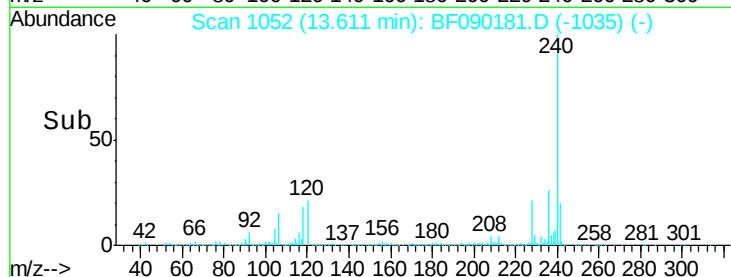
229 22.4 16.2 24.2



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: 3.23 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

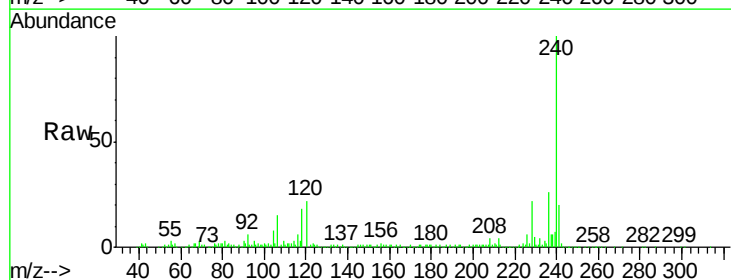
Tgt Ion:228 Resp: 58573

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

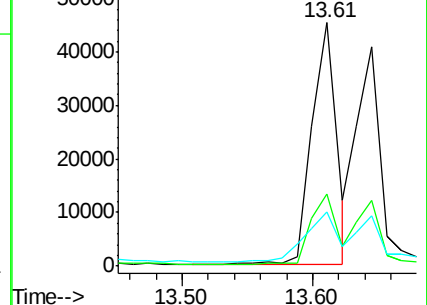
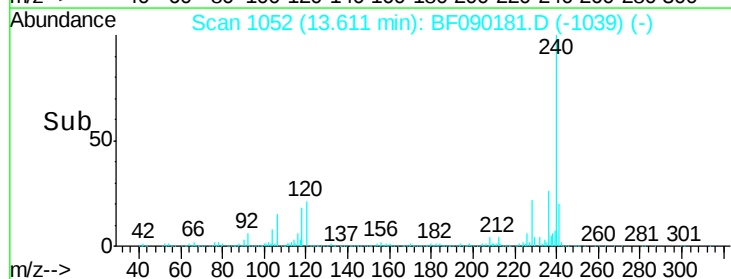
229 22.4 16.2 24.4

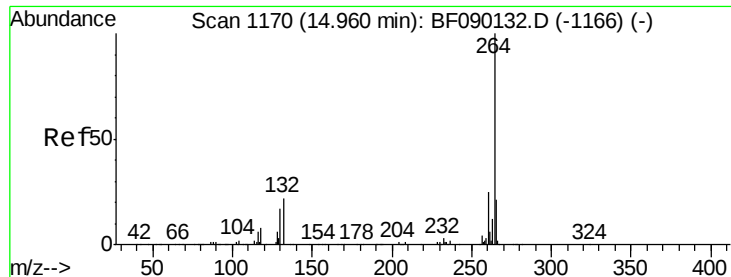


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

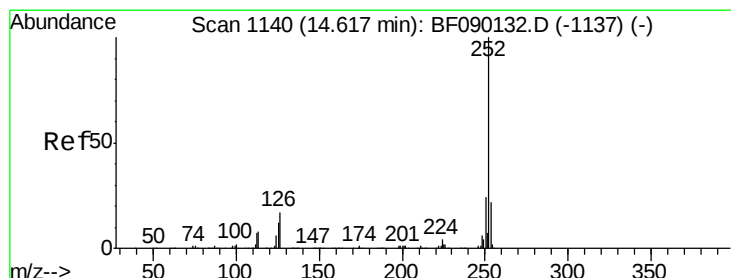
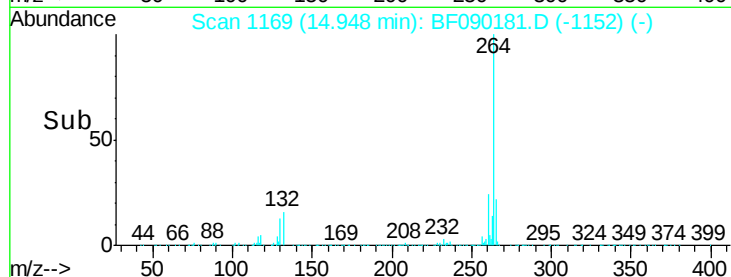
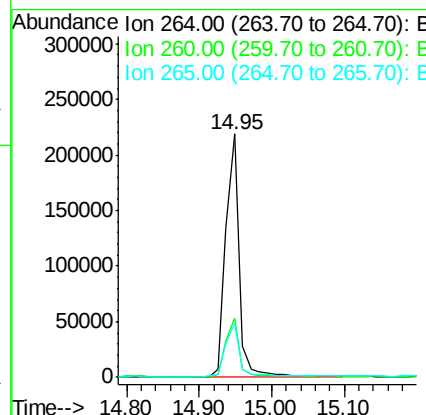
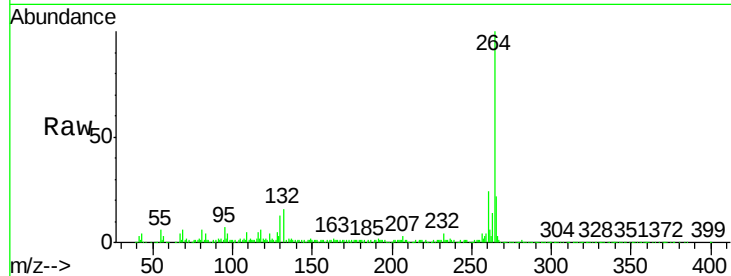




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

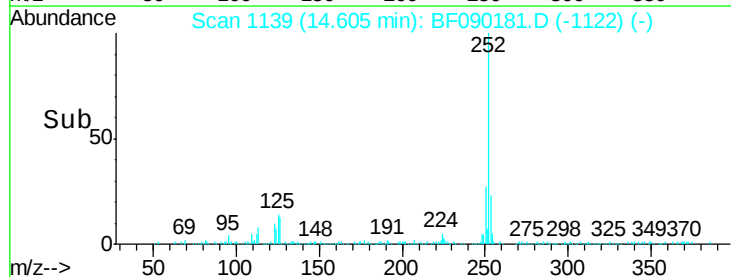
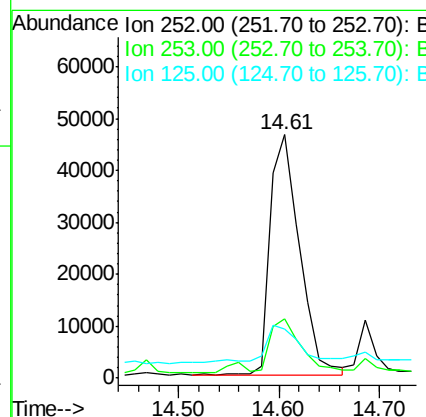
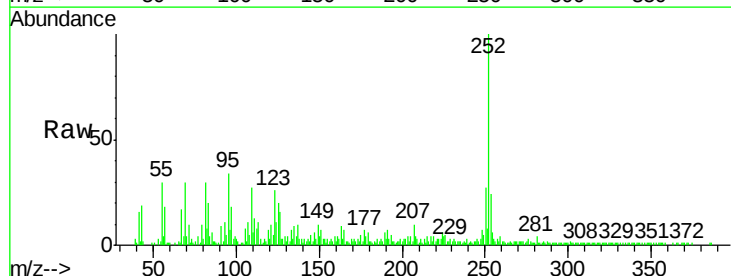
Instrument :
BNA_F
ClientSampleId :
DUP

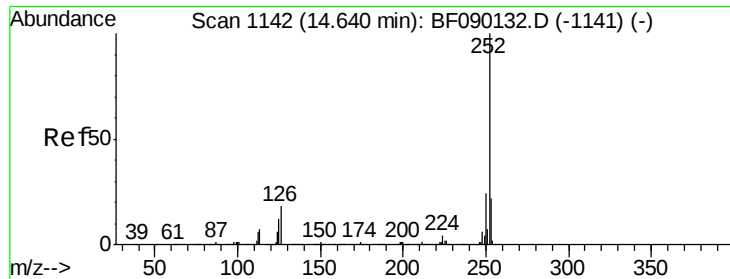
Tgt Ion: 264 Resp: 283300
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.1 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 6.03 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Tgt Ion: 252 Resp: 94635
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 20.4 12.7 19.1#

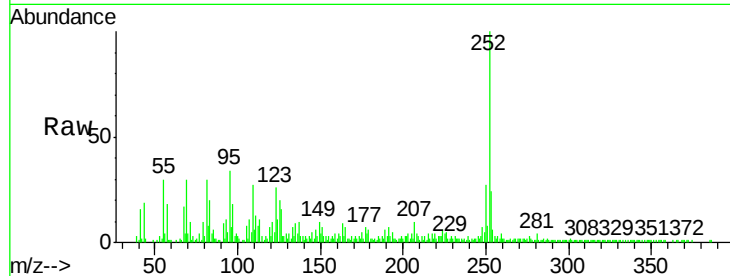




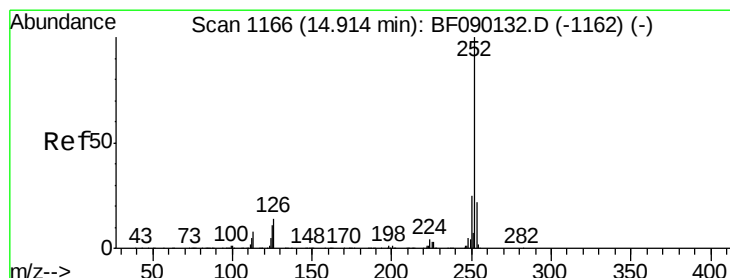
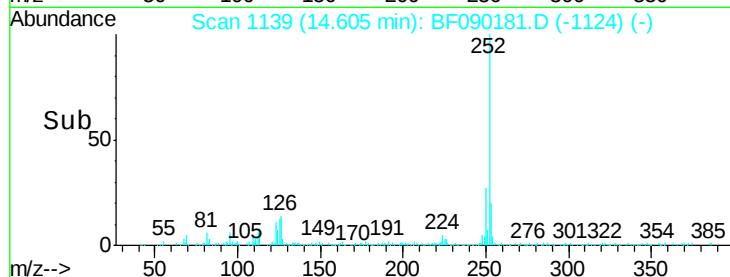
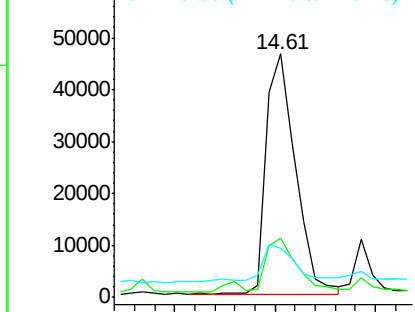
#88
Benzo(k)fluoranthene
Concen: 6.43 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.03 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	20.4	7.8	11.6

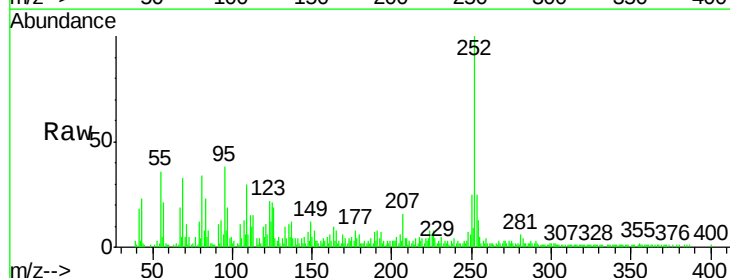


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

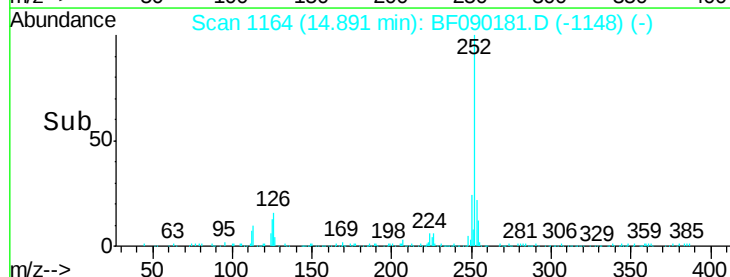
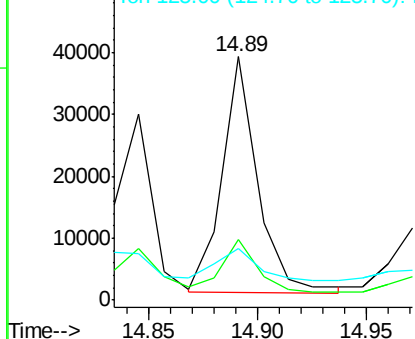


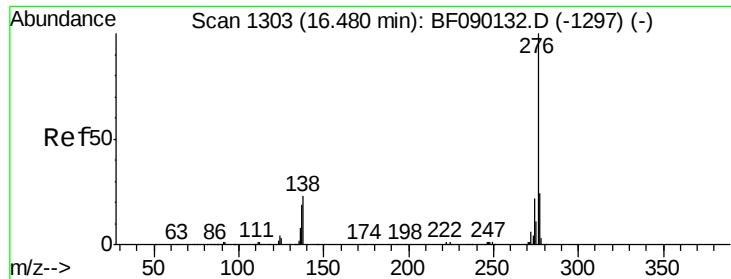
#89
Benzo(a)pyrene
Concen: 2.93 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	21.1	7.7	11.5



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

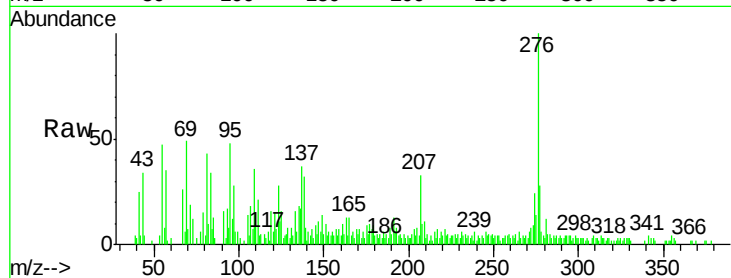




#91
 Benzo(g,h,i)perylene
 Concen: 2.32 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.03 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.9	28.3
138	31.6	23.3	34.9



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

