

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 08:22:53 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

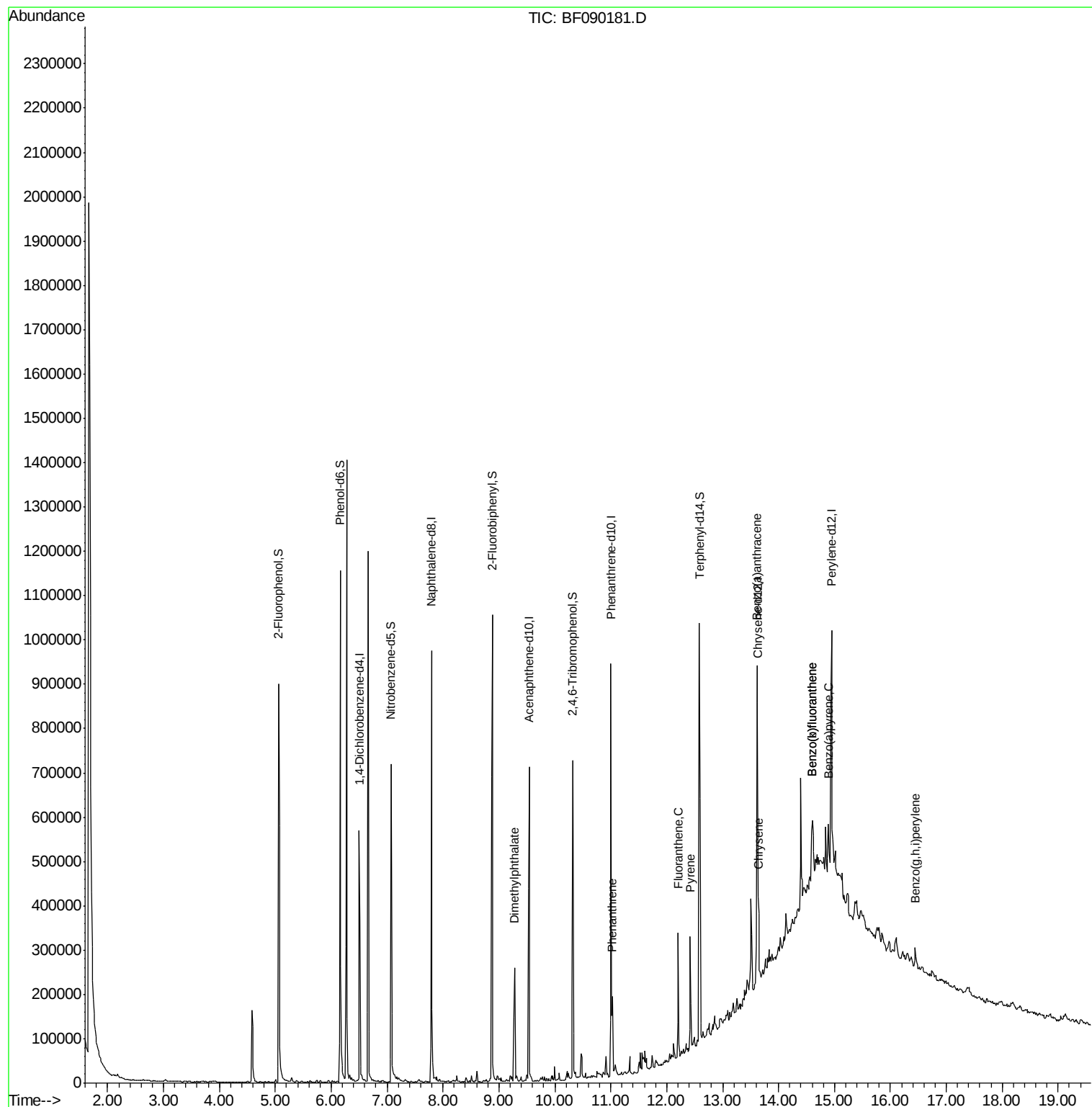
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	124056	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	443282	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	199562	20.00	ng	-0.01
63) Phenanthrene-d10	11.01	188	337244	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	346037	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						Qvalue
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	13.65	228	52117m	2.87	ng	
87) Benzo(b)fluoranthene	14.61	252	60818m	3.88	ng	
88) Benzo(k)fluoranthene	14.61	252	34364m	2.33	ng	
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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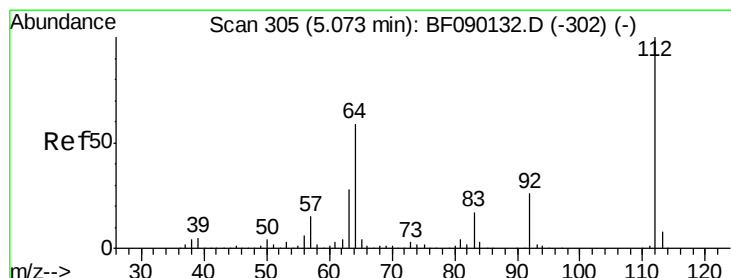
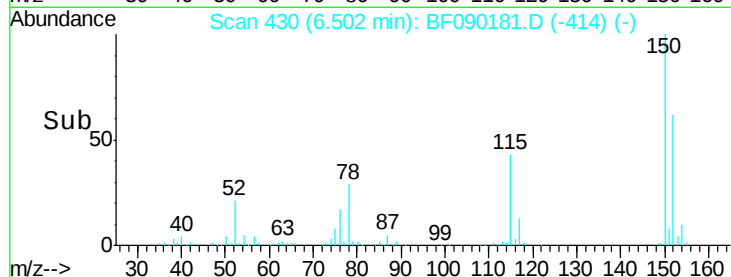
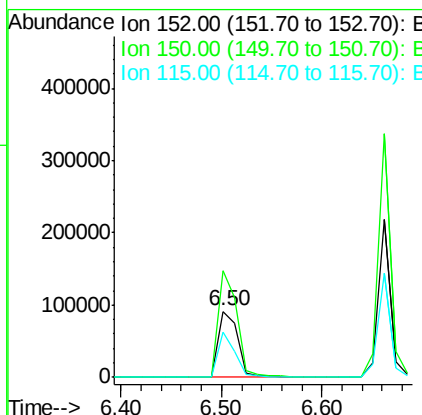
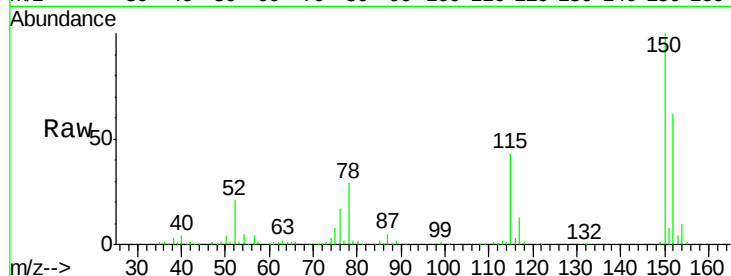




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

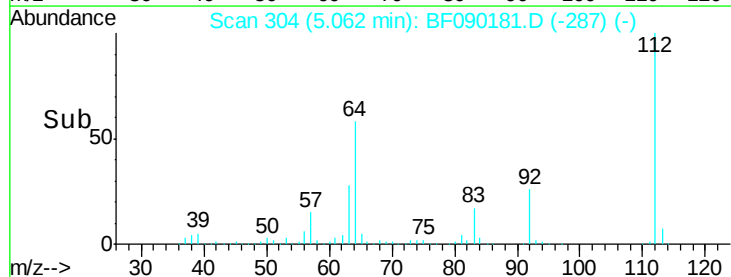
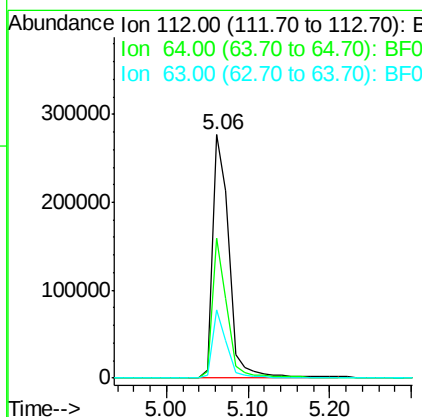
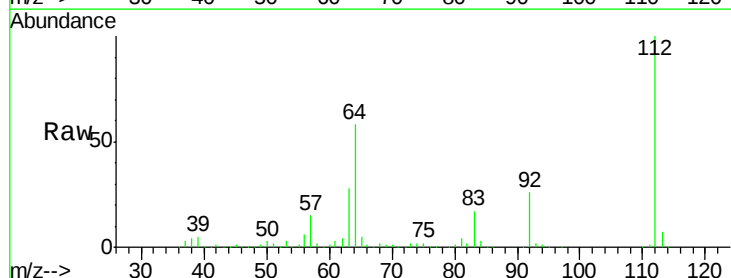
Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tot 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

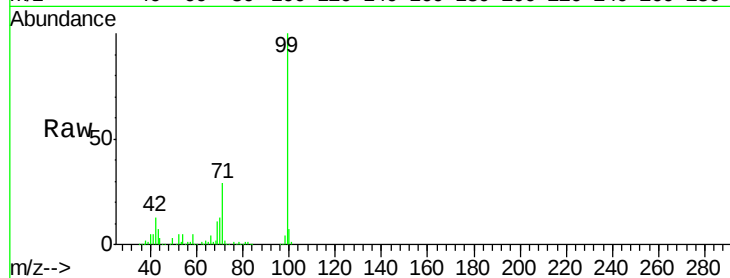
Tot Ion: 99 Resp: 488338

Ion Ratio Lower Upper

99 100

42 13.0 10.6 15.8

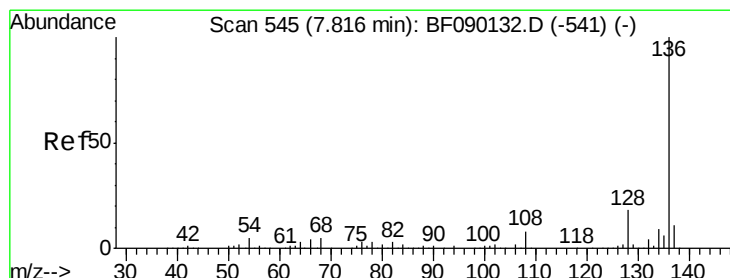
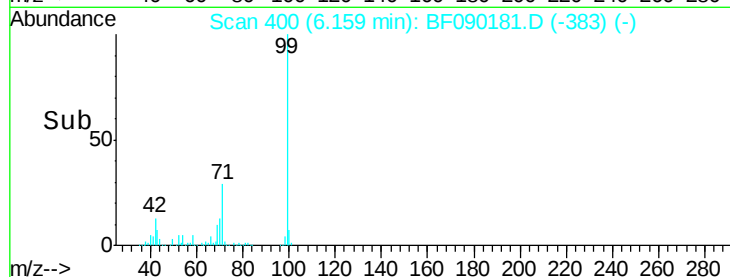
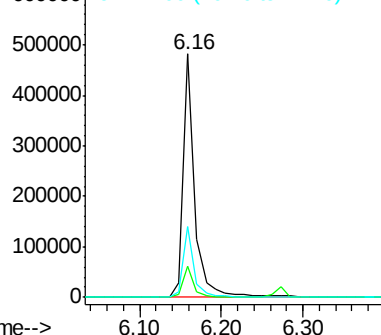
71 29.2 23.0 34.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Tgt Ion: 136 Resp: 443282

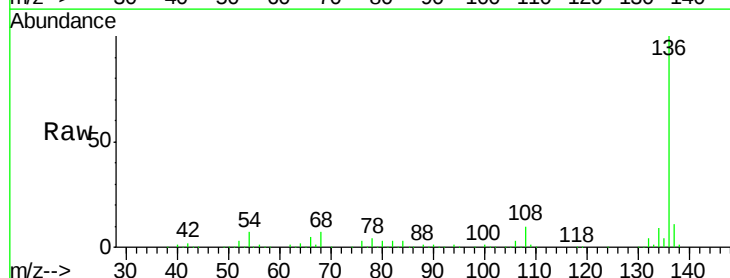
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.5 6.4 9.6

68 7.1 6.3 9.5

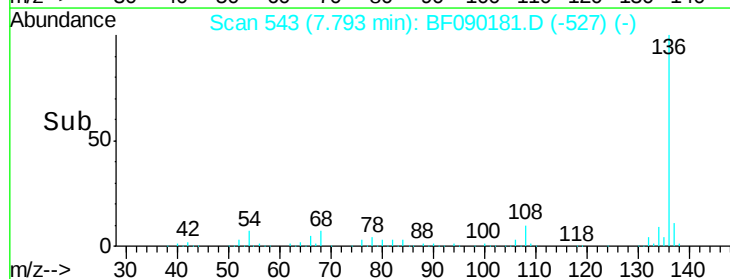
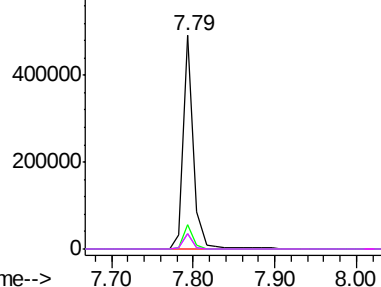


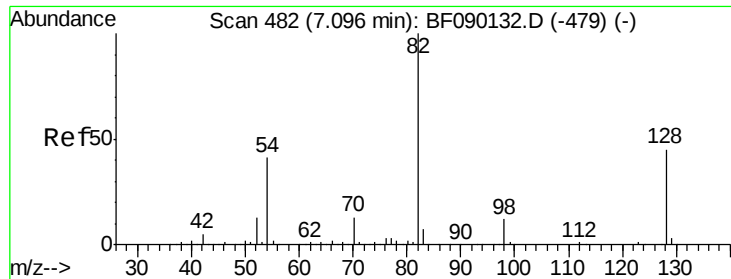
Abundance Ion 136.00 (135.70 to 136.70): E

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

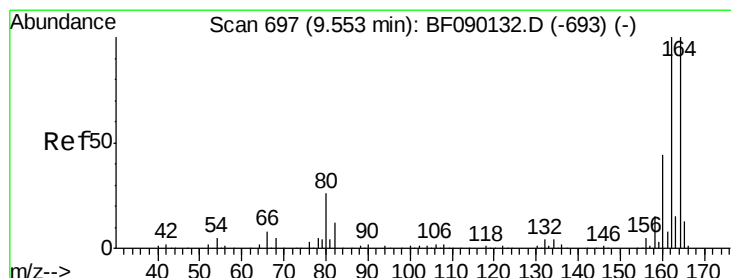
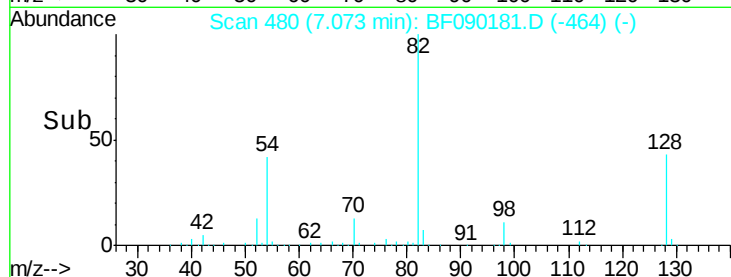
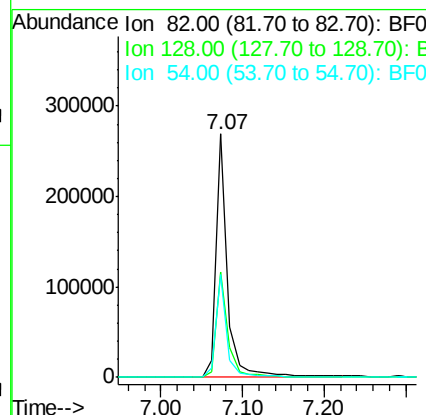
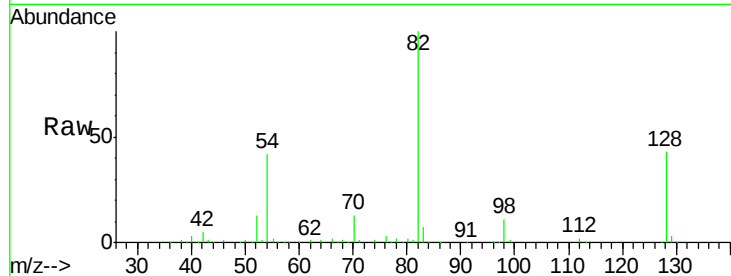




#23
 Nitrobenzene-d5
 Concen: 35.25 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

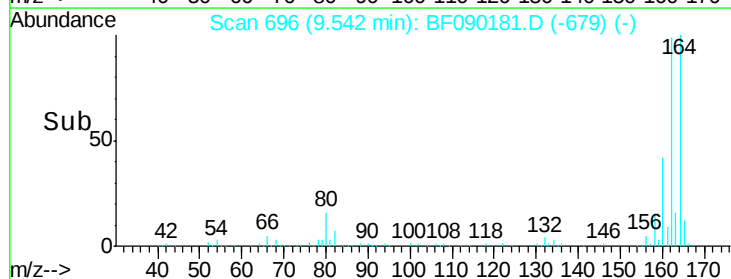
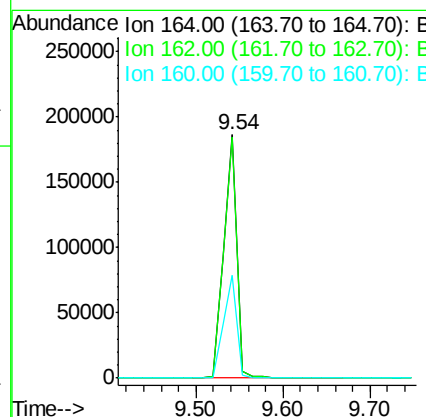
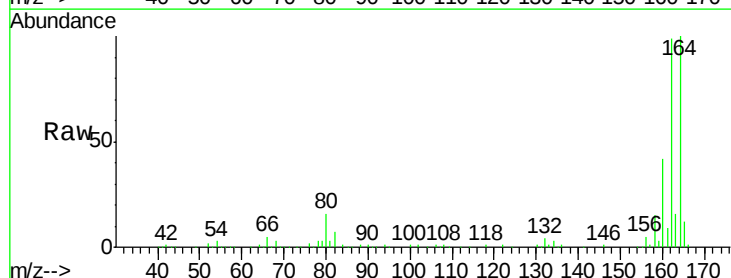
Instrument :
 BNA_F
 ClientSampleId :
 DUP

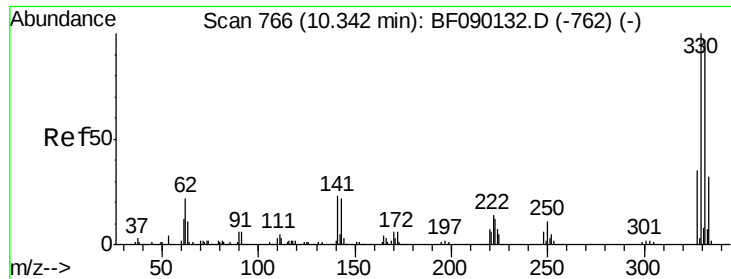
Tot Ion	82	Resp	269565
Ion Ratio	Lower	Upper	
82	100		
128	43.4	37.5	56.3
54	42.0	31.9	47.9



#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

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

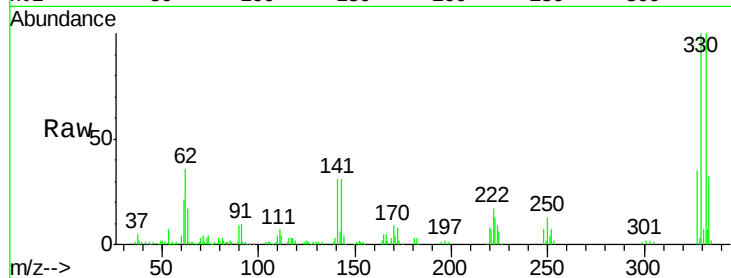




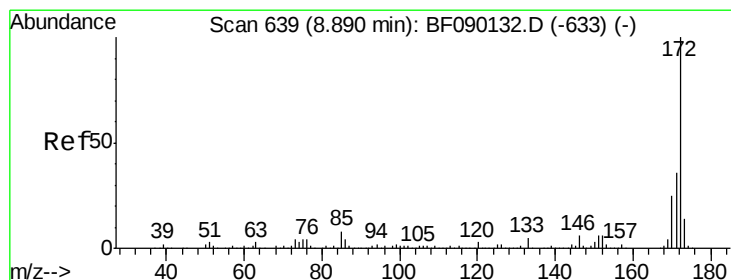
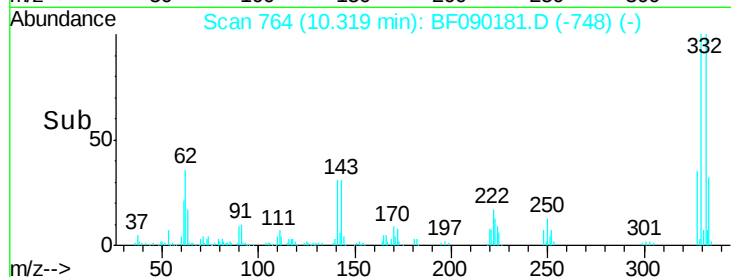
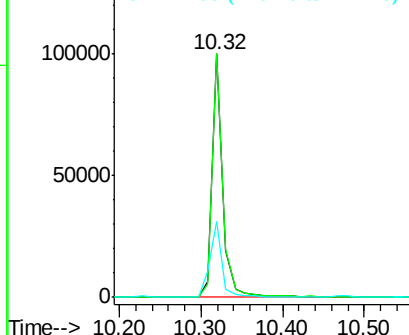
#41
 2,4,6-Tribromophenol
 Concen: 54.49 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	78.1	117.1
141	36.1	23.9	35.9#

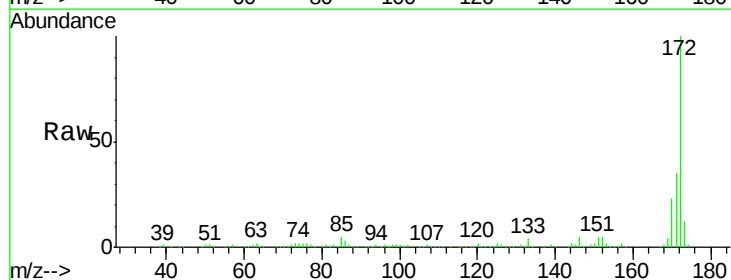


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

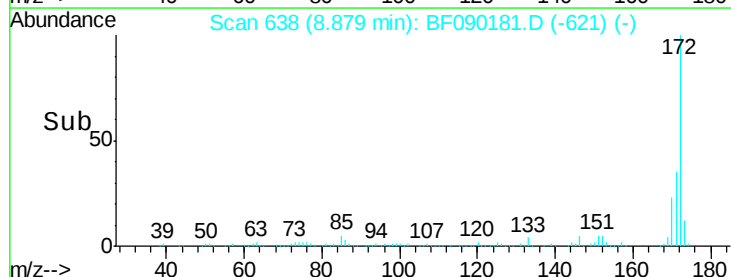
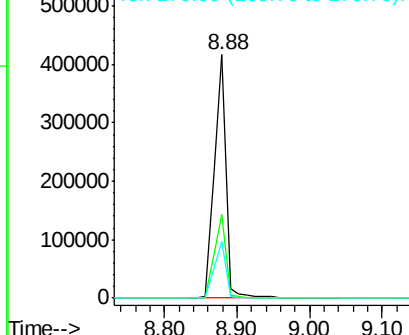


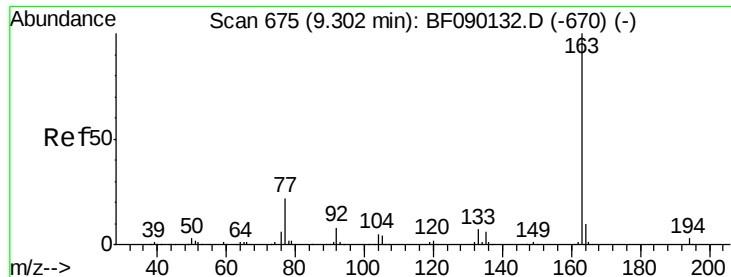
#44
 2-Fluorobiphenyl
 Concen: 45.86 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.2	43.8
170	23.5	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

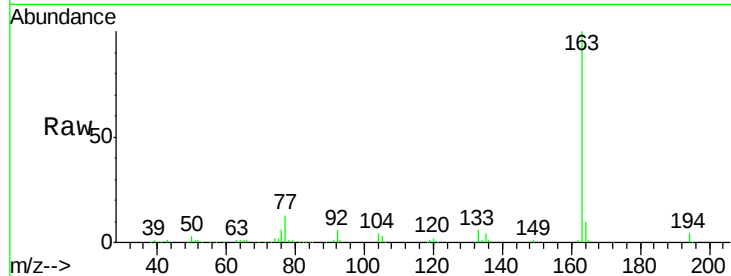




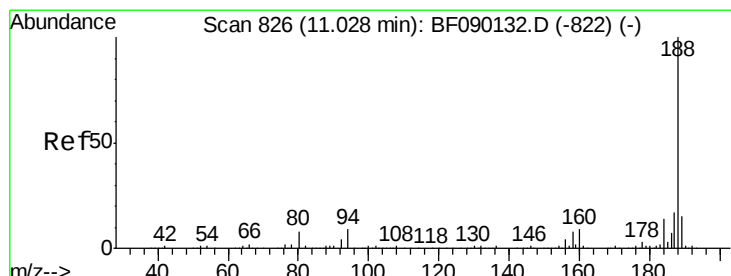
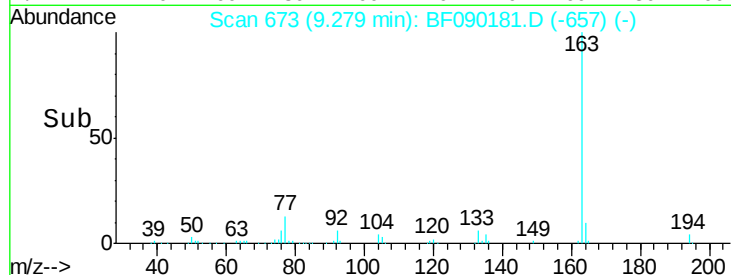
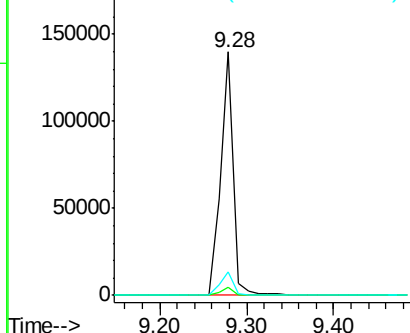
#49
Dimethylphthalate
Concen: 11.28 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Instrument :
BNA_F
ClientSampleId :
DUP

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

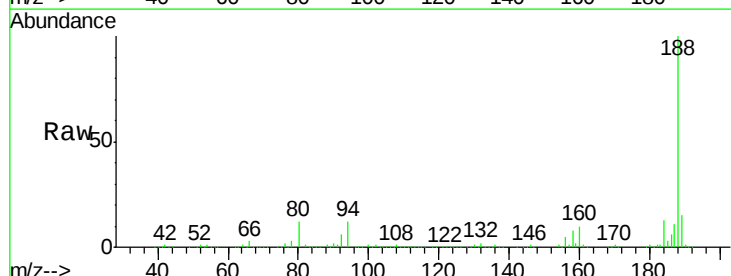


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

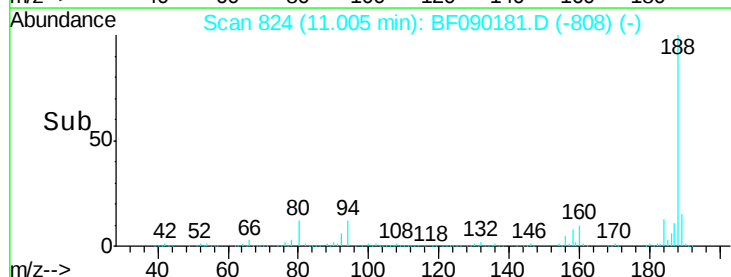
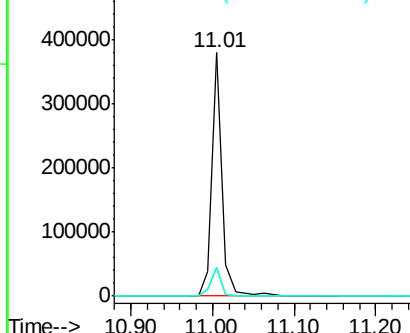


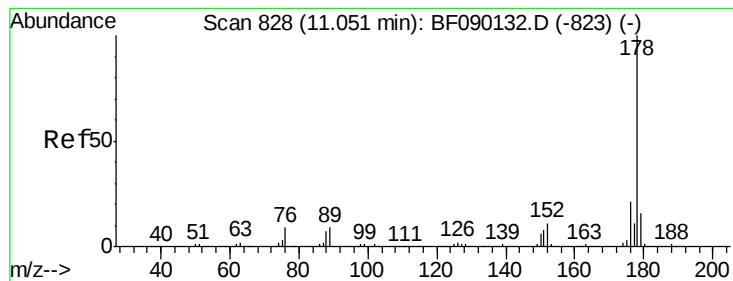
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

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

Instrument :

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ClientSampleId :

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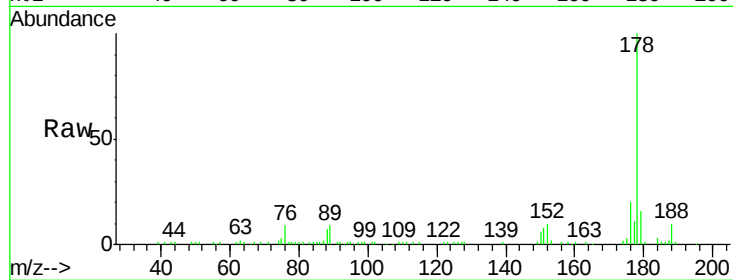
Tot Ion:178 Resp: 59912

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

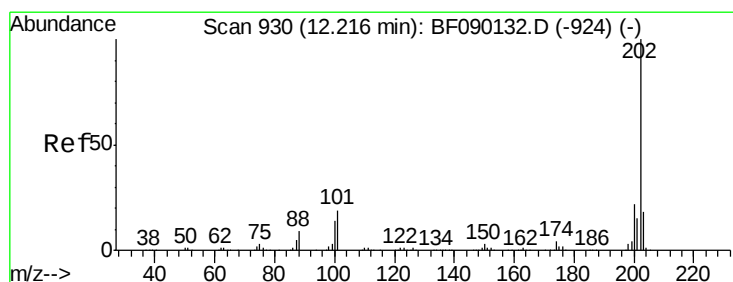
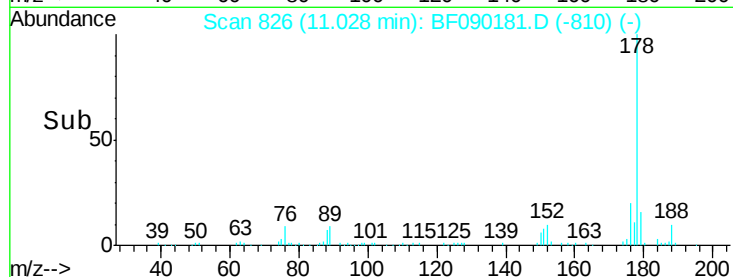
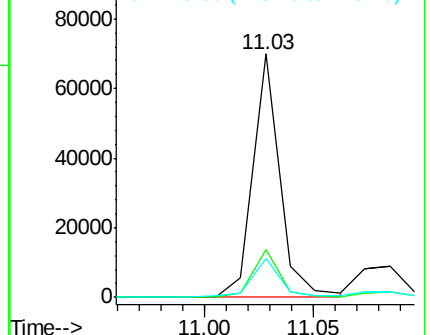
179 15.8 12.9 19.3



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

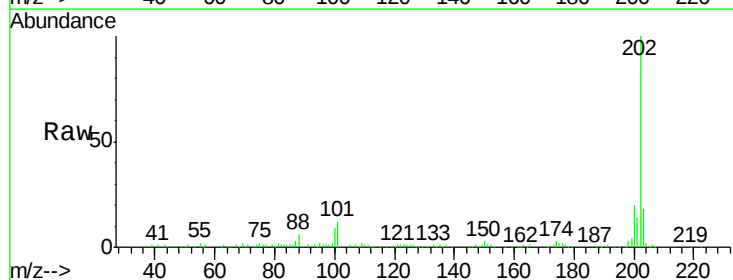
Tgt Ion:202 Resp: 118436

Ion Ratio Lower Upper

202 100

101 12.1 0.0 36.1

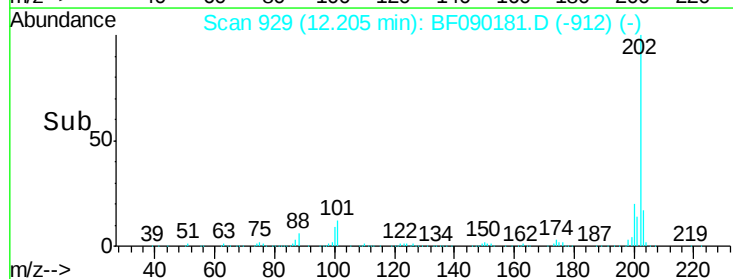
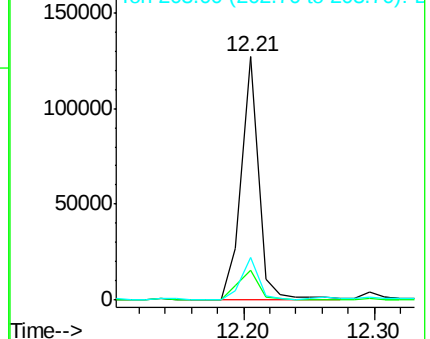
203 17.7 0.0 38.2

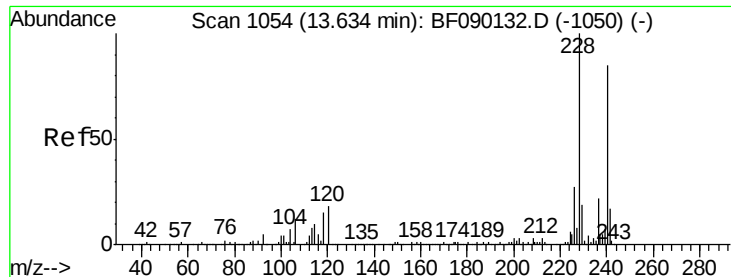


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

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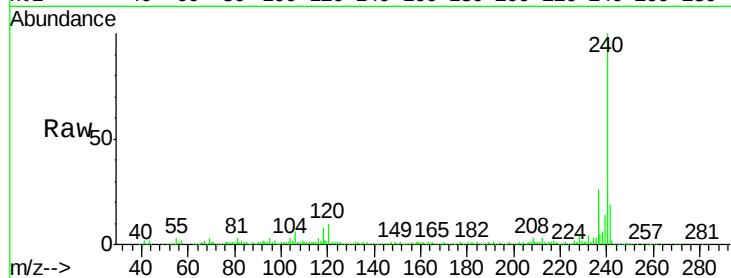
Tot Ion:240 Resp: 346037

Ion Ratio Lower Upper

240 100

120 10.0 10.6 16.0#

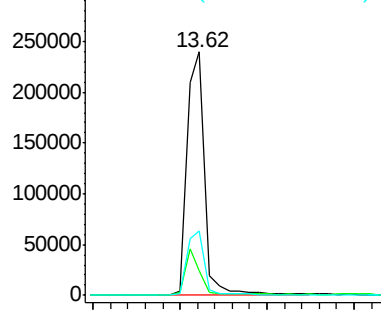
236 26.3 21.6 32.4



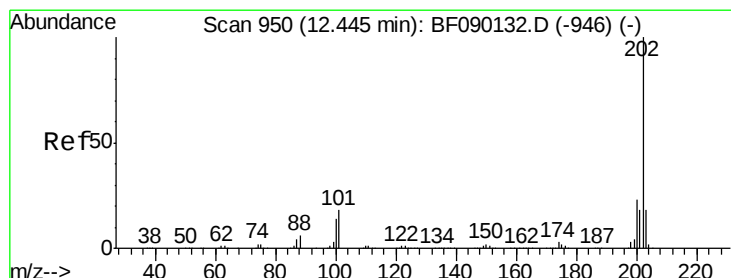
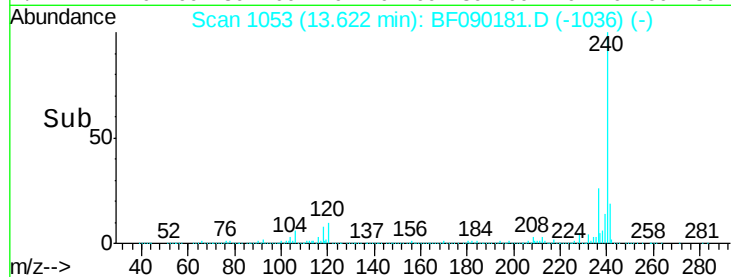
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.50 13.60 13.70 13.80



#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

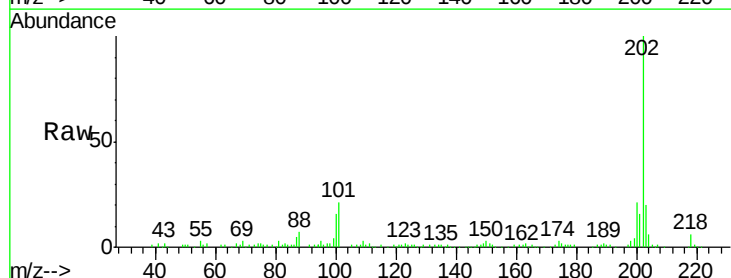
Tgt Ion:202 Resp: 105519

Ion Ratio Lower Upper

202 100

200 20.5 17.9 26.9

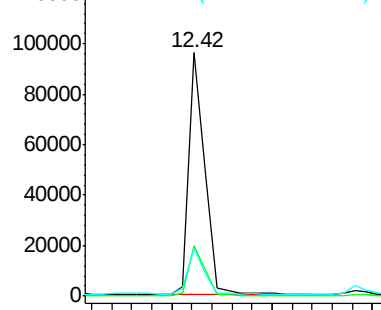
203 19.8 14.2 21.4



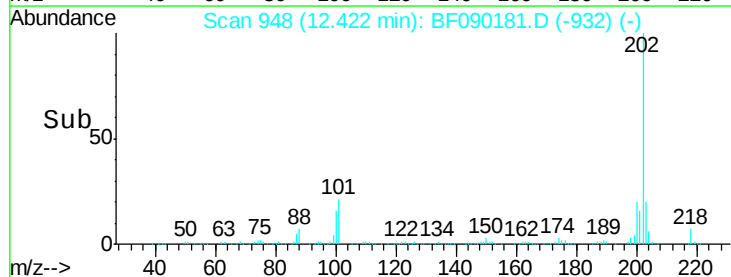
Abundance Ion 202.00 (201.70 to 202.70): E

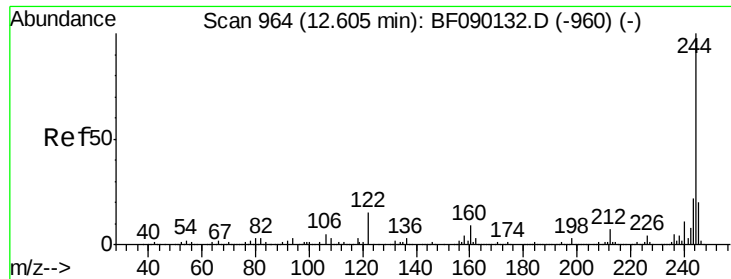
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.40 12.50

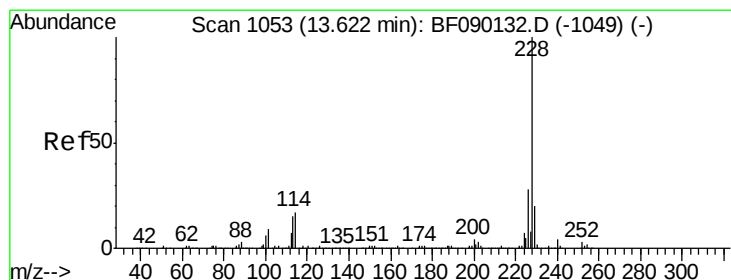
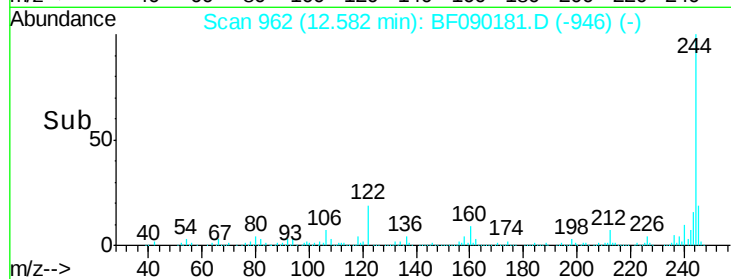
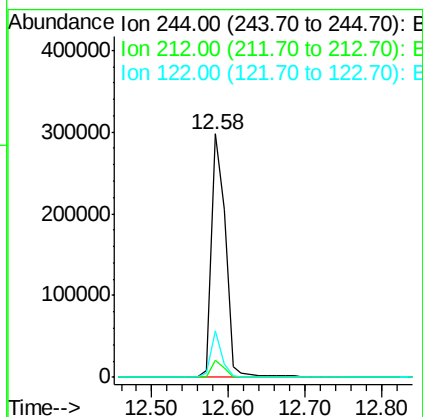
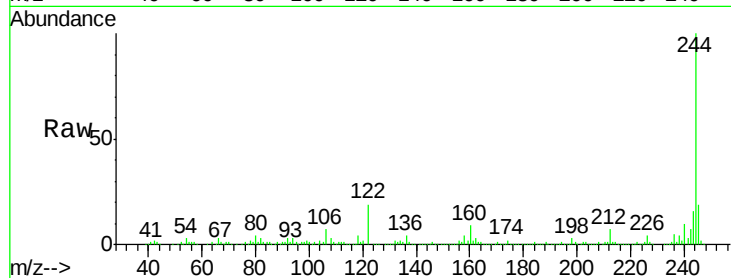




#78
 Terphenyl-d14
 Concen: 27.61 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090181.D
 Acq: 22 Sep 2016 1:31

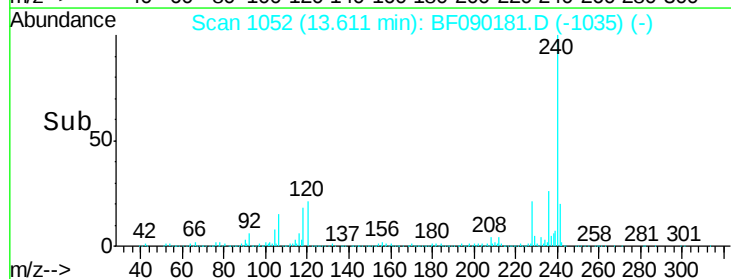
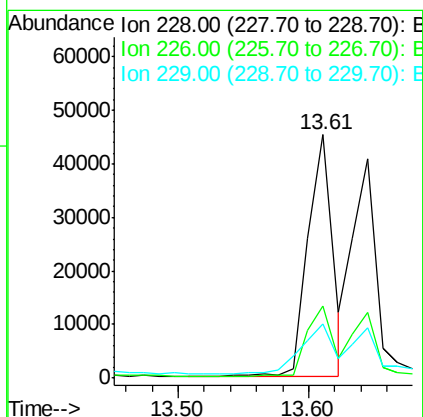
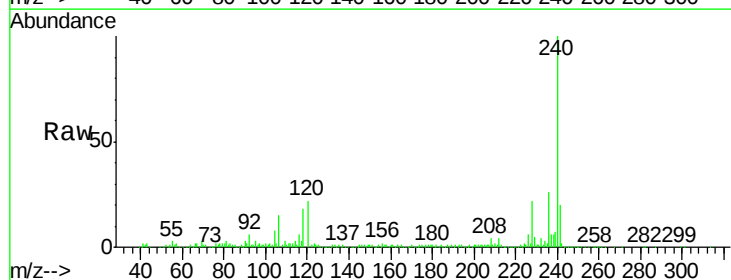
Instrument :
 BNA_F
 ClientSampleId :
 DUP

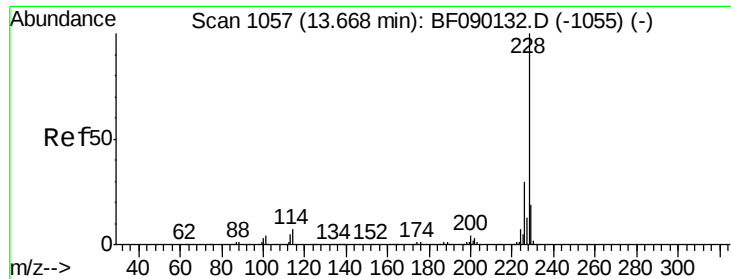
Tot Ion:244 Resp: 376313
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 19.2 9.4 14.0#



#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

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





#82

Chrysene

Concen: 2.87 ng/mL

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

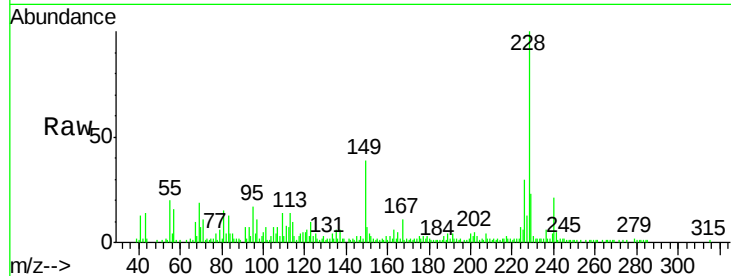
Tot Ion: 228 Resp: 52117

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

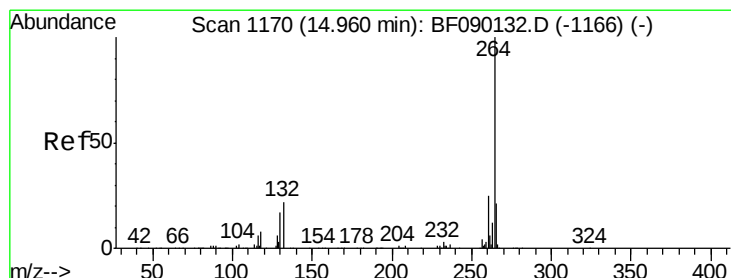
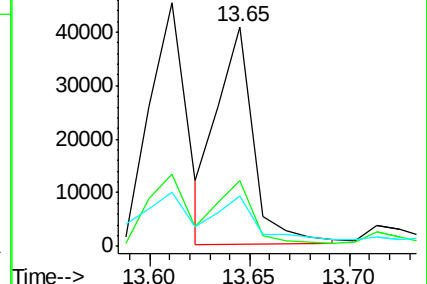
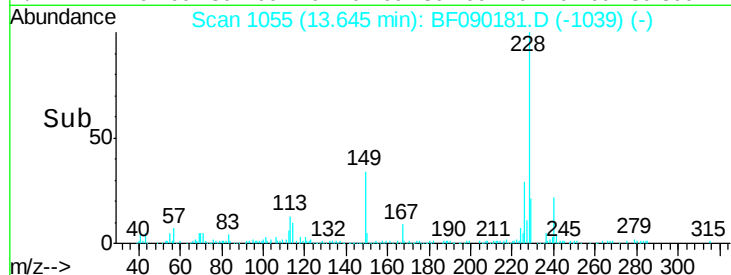
229 23.1 16.2 24.4



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

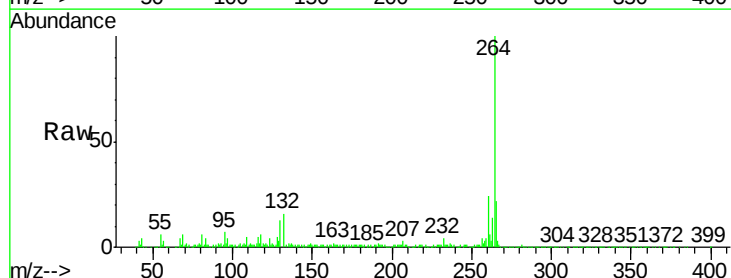
Tgt Ion: 264 Resp: 283300

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

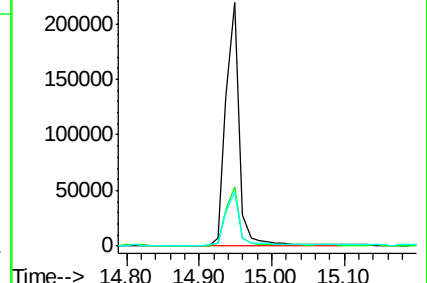
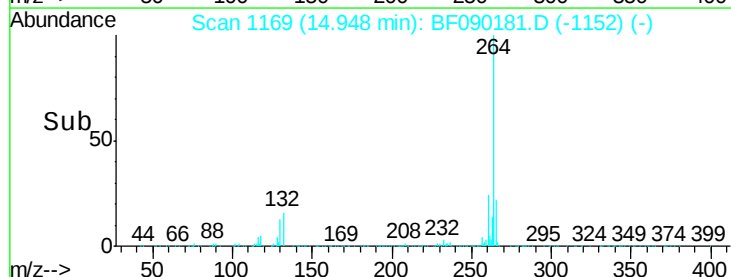
265 22.1 17.0 25.4

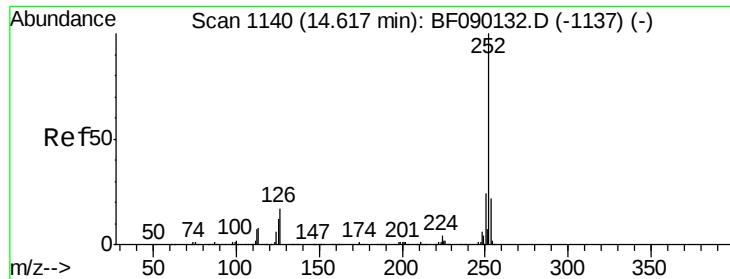


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.88 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

Instrument :

BNA_F

ClientSampleId :

DUP

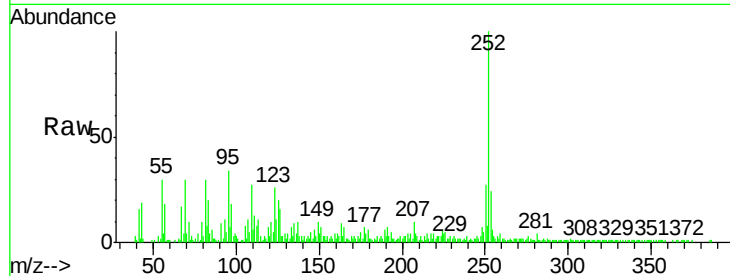
Tot Ion:252 Resp: 60818

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

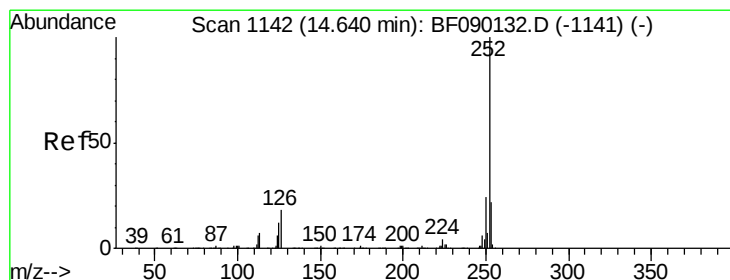
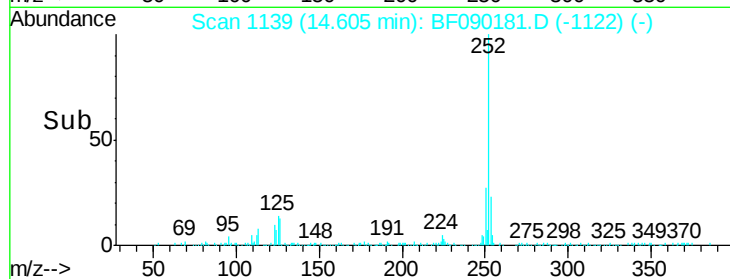
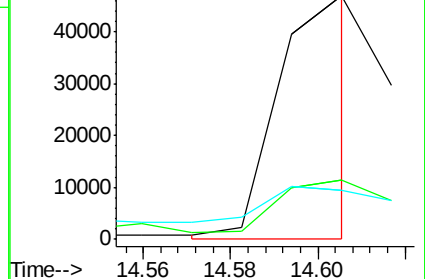
125 20.4 12.7 19.1#



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: 2.33 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF090181.D

Acq: 22 Sep 2016 1:31

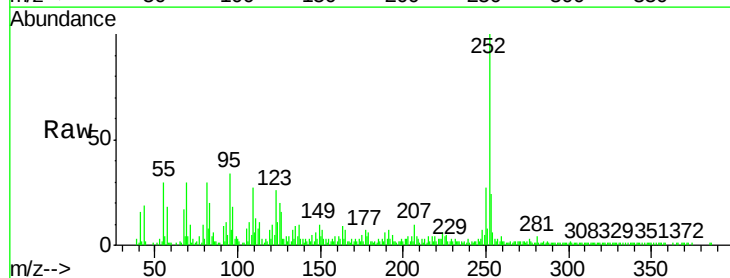
Tgt Ion:252 Resp: 34364

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

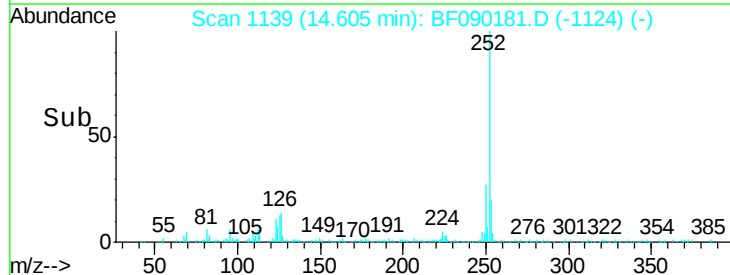
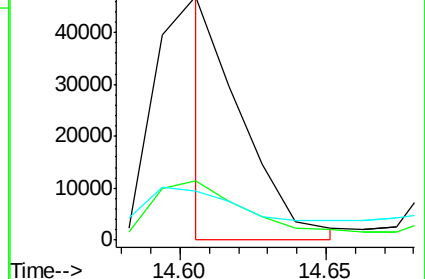
125 20.4 7.8 11.6#

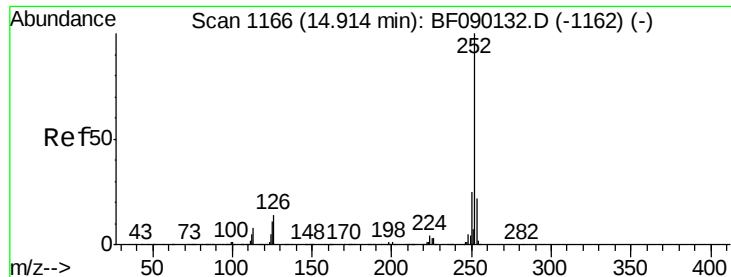


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

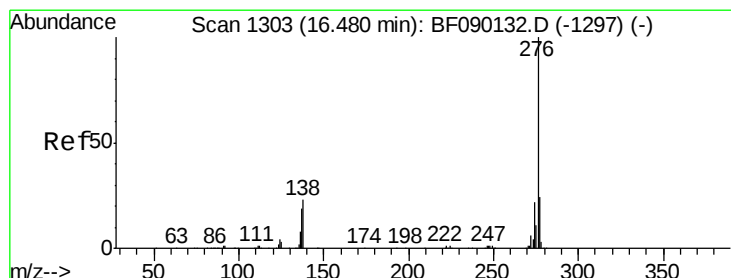
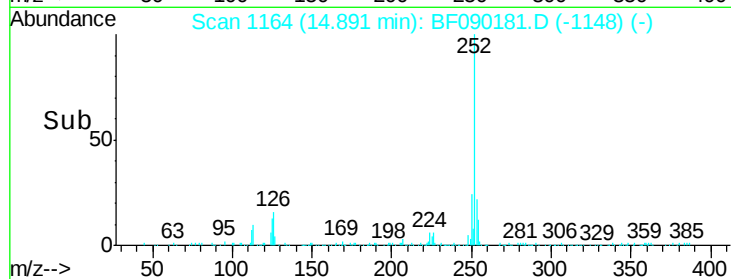
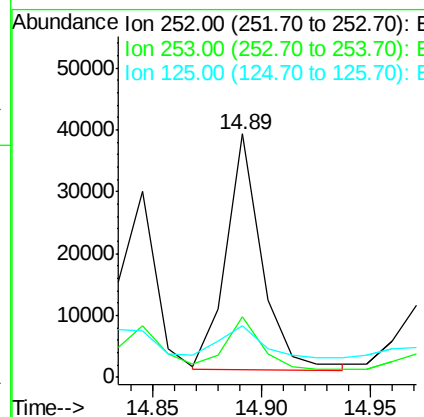
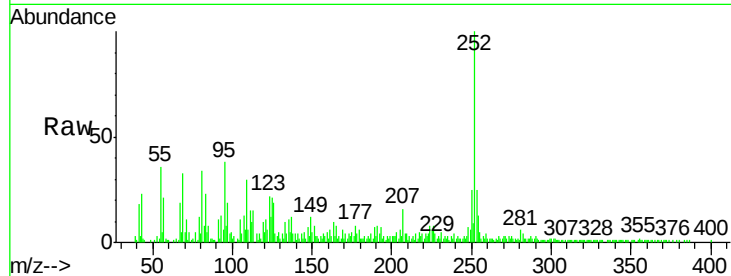




#89
Benzo(a)pyrene
Concen: 2.93 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090181.D
Acq: 22 Sep 2016 1:31

Instrument :
BNA_F
ClientSampled :
DUP

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



#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

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

