

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
 Data File : BF090170.D
 Acq On : 21 Sep 2016 20:18
 Operator : UM/SJ
 Sample : H4856-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-1-1-2FT

Quant Time: Sep 22 07:13:15 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

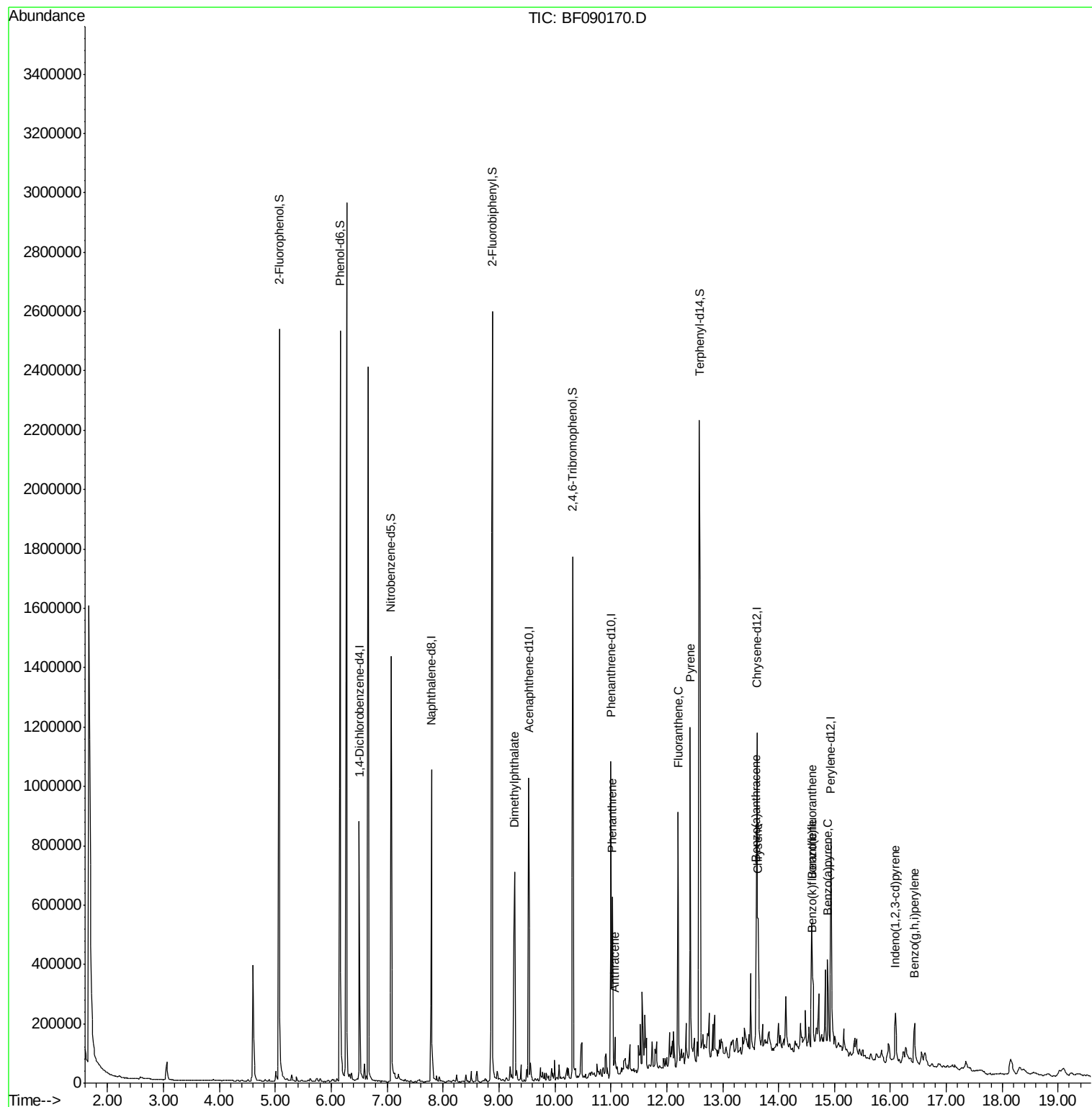
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	151037	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	523697	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	270385	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	451915	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	329721	20.00	ng	-0.02
86) Perylene-d12	14.94	264	297008	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	959439	103.54	ng	0.00
7) Phenol-d6	6.16	99	1176189	102.78	ng	-0.01
23) Nitrobenzene-d5	7.07	82	598417	66.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	243184	104.84	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	1187169	86.20	ng	-0.01
78) Terphenyl-d14	12.58	244	984704	75.82	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	435976	25.32	ng	99
70) Phenanthrene	11.03	178	251160	11.88	ng	98
71) Anthracene	11.07	178	65682	2.96	ng	96
74) Fluoranthene	12.21	202	486883	21.46	ng	92
77) Pyrene	12.42	202	435817	19.32	ng	97
80) Benzo(a)anthracene	13.60	228	190679	10.75	ng	# 92
82) Chrysene	13.63	228	154792m	8.96	ng	
85) Indeno(1,2,3-cd)pyrene	16.09	276	106119	7.60	ng	# 93
87) Benzo(b)fluoranthene	14.59	252	194609m	11.83	ng	
88) Benzo(k)fluoranthene	14.61	252	77274m	5.01	ng	
89) Benzo(a)pyrene	14.88	252	147811	9.55	ng	# 90
91) Benzo(a,h,i)perylene	16.43	276	102406	8.67	ng	96

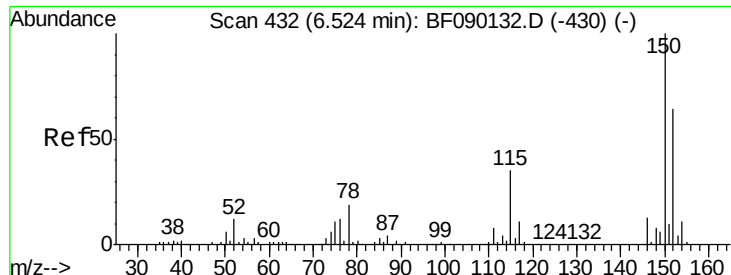
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Sep 22 07:13:15 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
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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: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

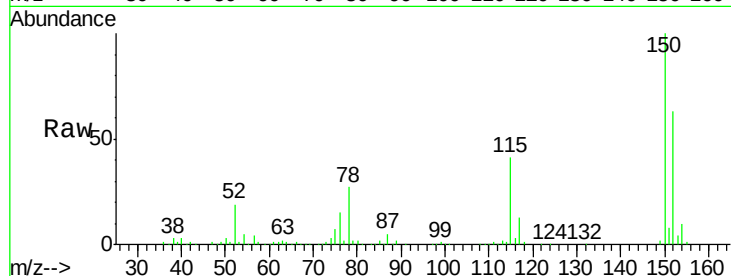
Tot Ion:152 Resp: 151037

Ion Ratio Lower Upper

152 100

150 157.6 128.9 193.3

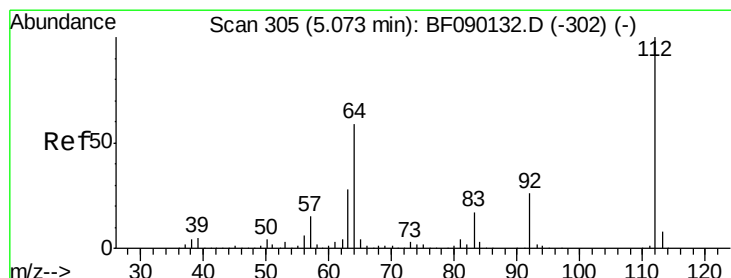
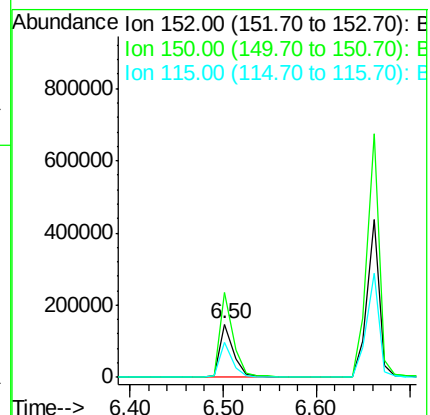
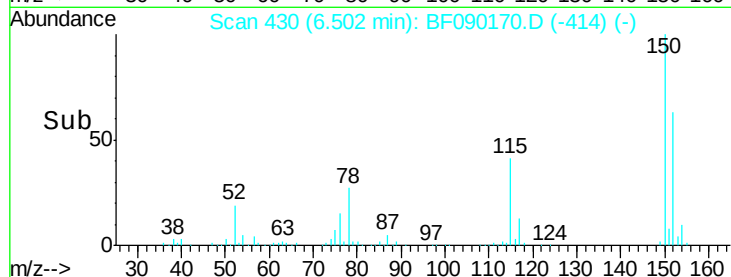
115 64.9 55.5 83.3



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: 103.54 ng

RT: 5.07 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

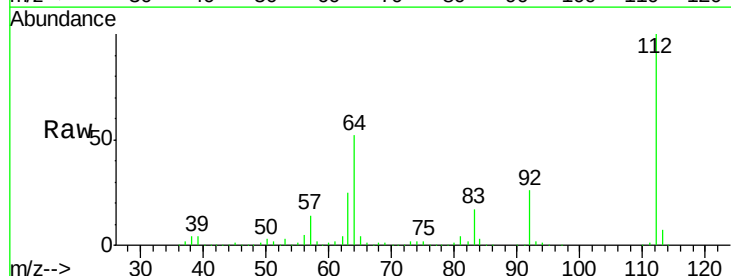
Tgt Ion:112 Resp: 959439

Ion Ratio Lower Upper

112 100

64 51.9 39.8 59.6

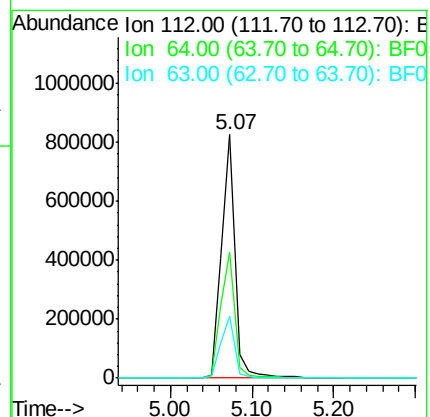
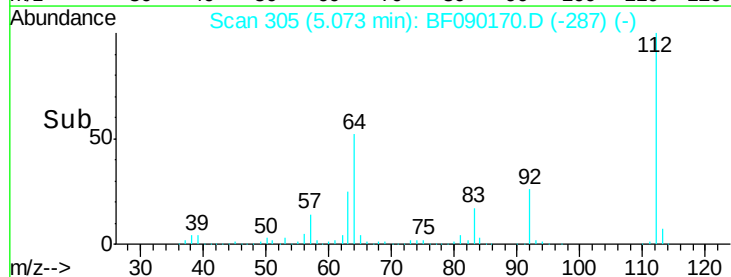
63 25.4 18.9 28.3

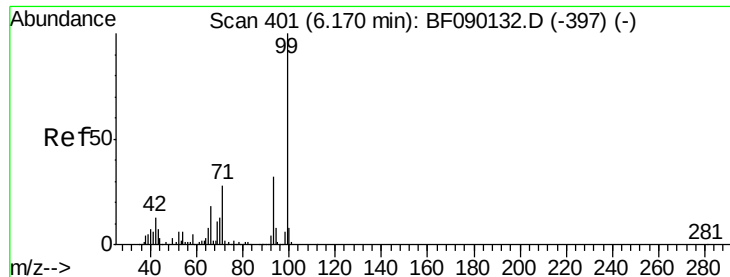


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.78 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

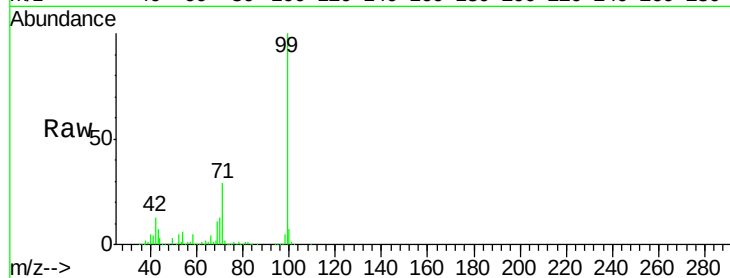
BNA_F

ClientSampled :

BH-1-1-2FT

Tot Ion: 99 Resp: 1176189

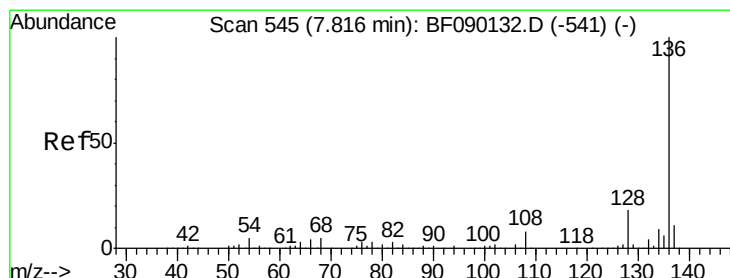
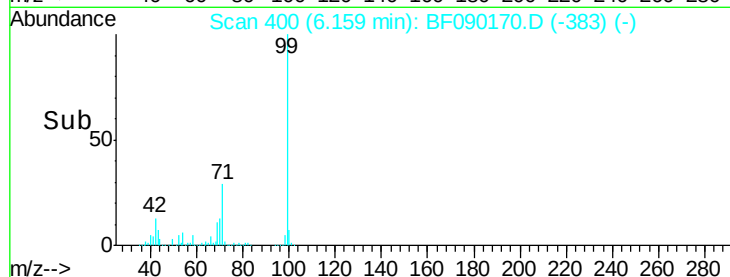
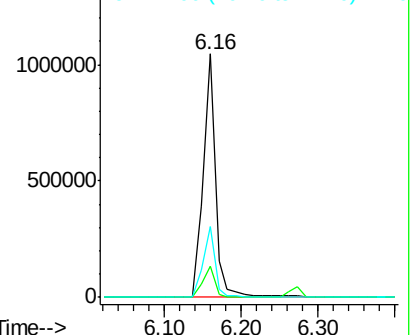
Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.6	15.8
71	29.3	23.0	34.6



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

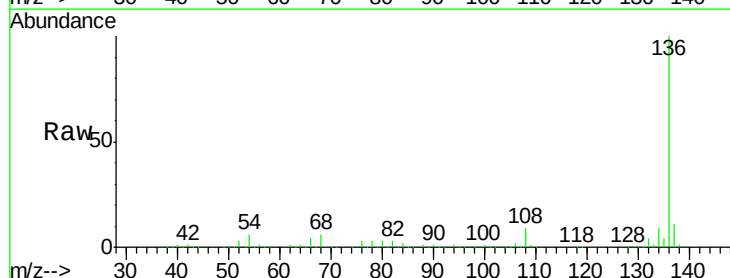
Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Tgt Ion: 136 Resp: 523697

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.2	6.4	9.6#
68	6.2	6.3	9.5#

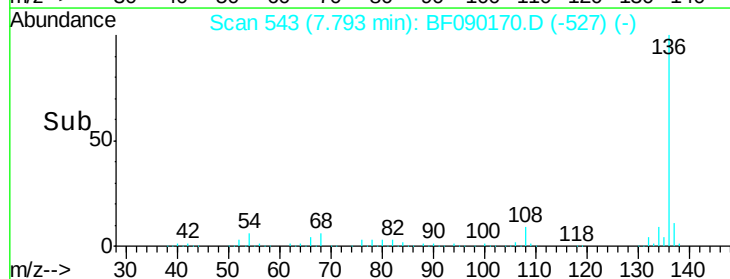
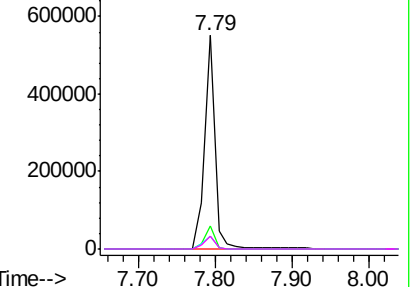


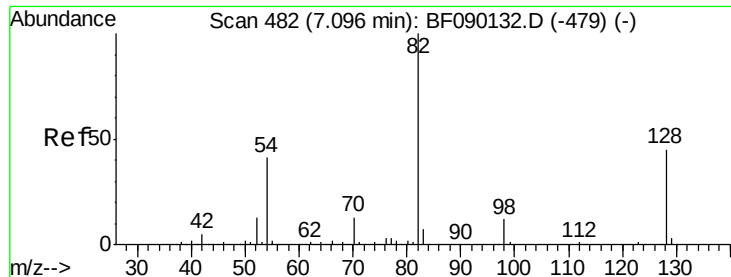
Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.24 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

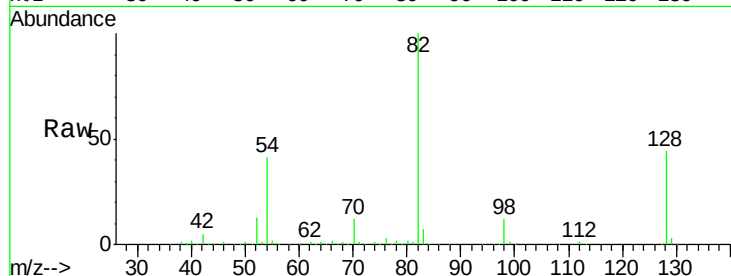
Tot Ion: 82 Resp: 598417

Ion Ratio Lower Upper

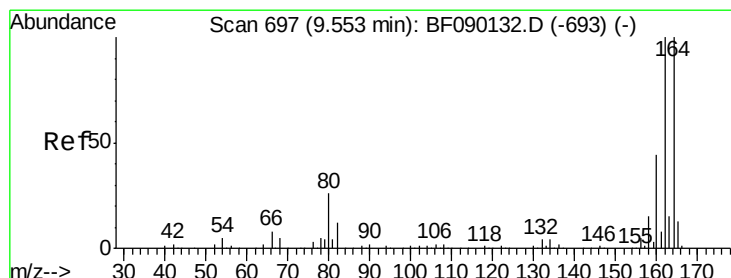
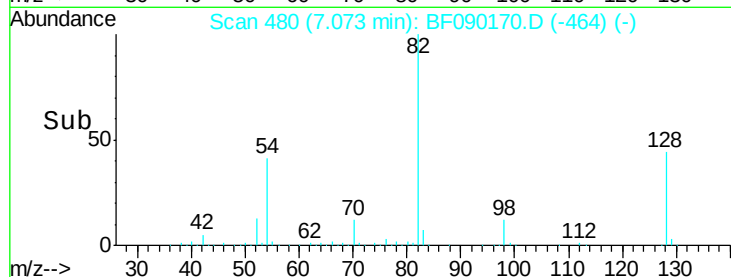
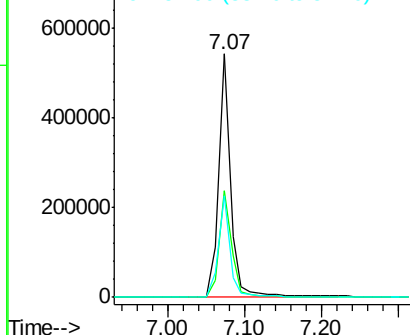
82 100

128 43.6 37.5 56.3

54 41.5 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: 9.53 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

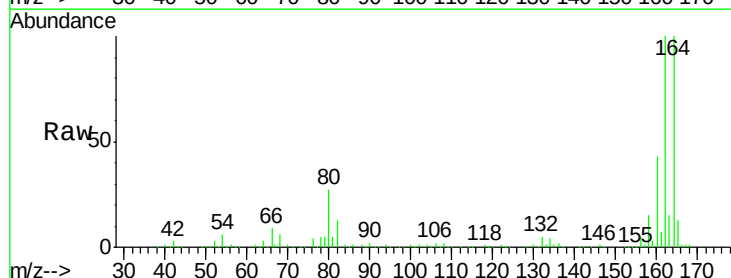
Tgt Ion: 164 Resp: 270385

Ion Ratio Lower Upper

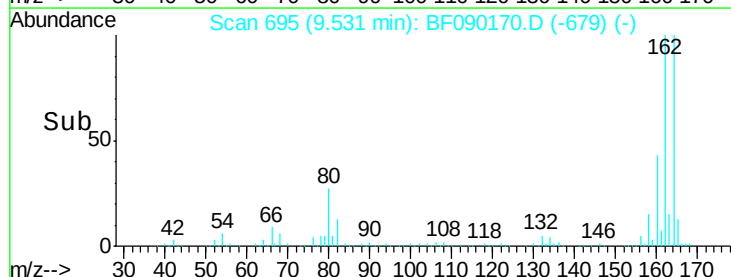
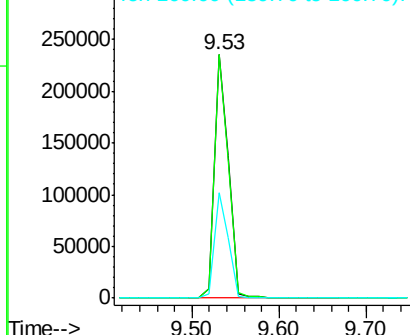
164 100

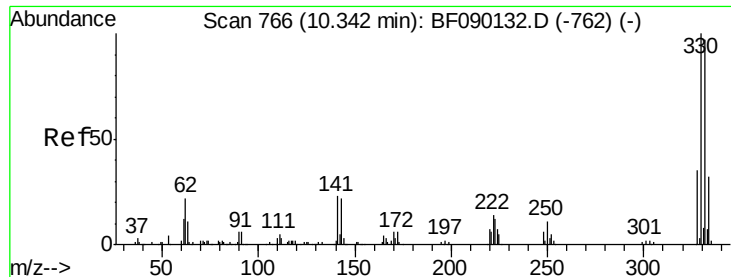
162 100.1 81.4 122.2

160 43.4 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

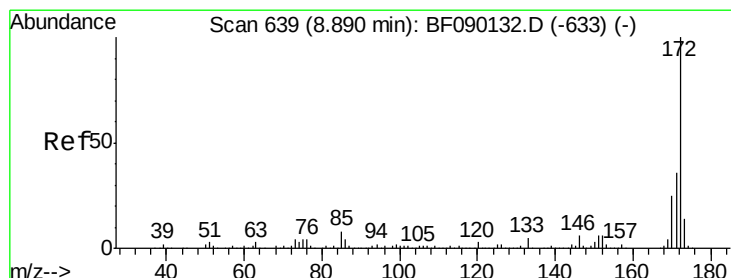
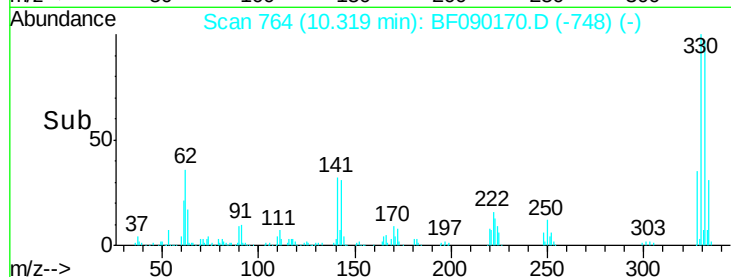
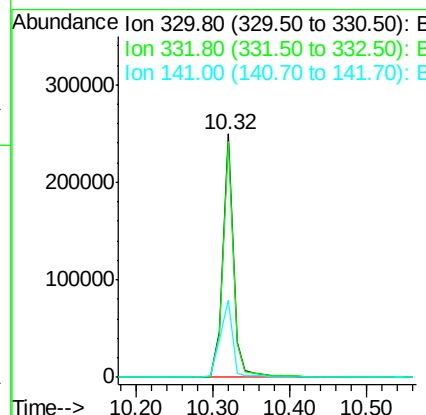
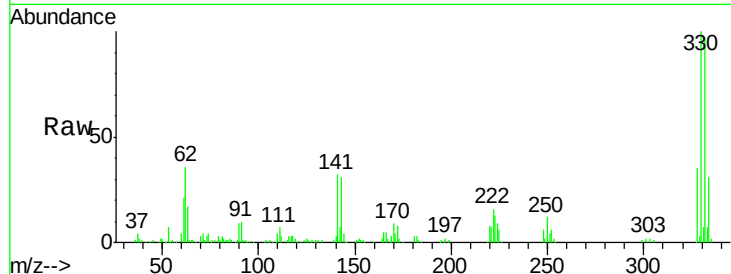




#41
 2,4,6-Tribromophenol
 Concen: 104.84 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090170.D
 Acq: 21 Sep 2016 20:18

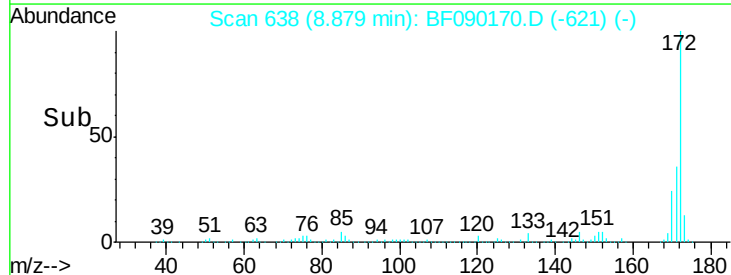
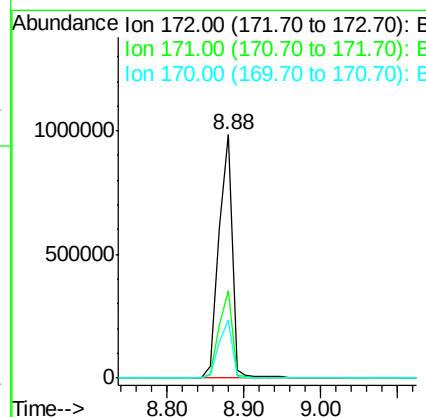
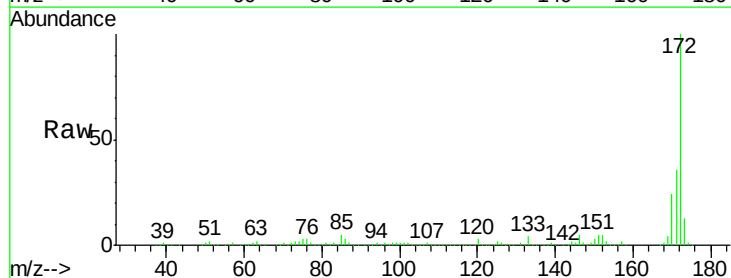
Instrument :
 BNA_F
 ClientSampleId :
 BH-1-1-2FT

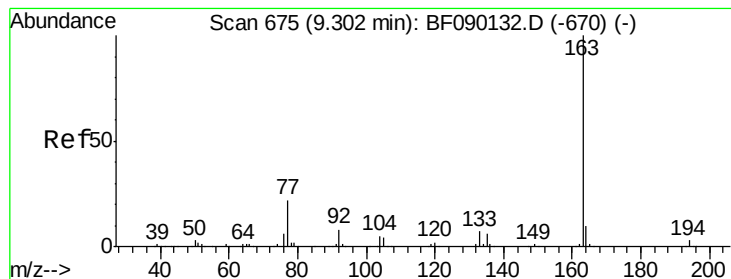
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.1	117.1
141	35.9	23.9	35.9#



#44
 2-Fluorobiphenyl
 Concen: 86.20 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090170.D
 Acq: 21 Sep 2016 20:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.0	19.8	29.8





#49

Dimethylphthalate

Concen: 25.32 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

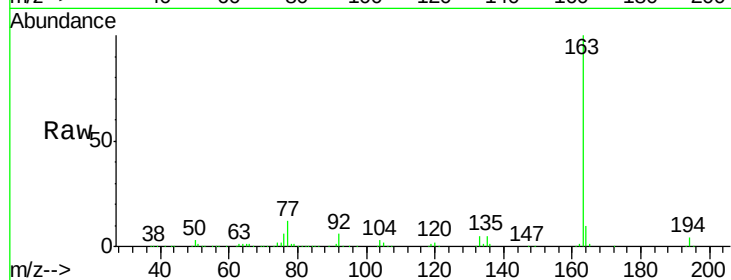
Tot Ion:163 Resp: 435976

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

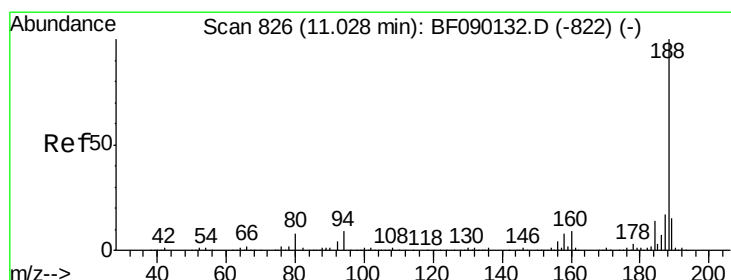
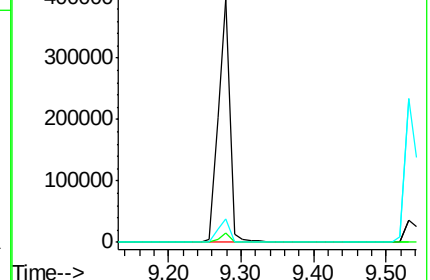
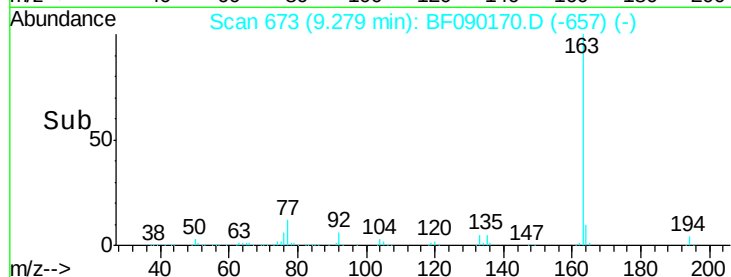
164 9.5 8.1 12.1



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: 11.00 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

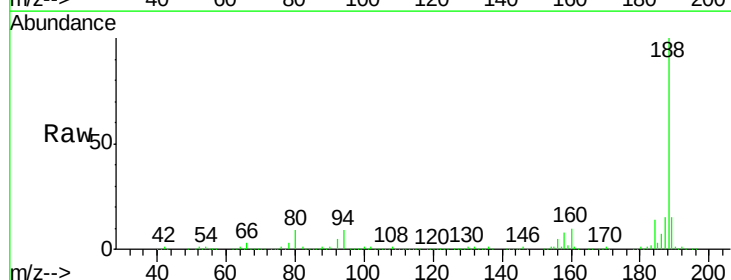
Tgt Ion:188 Resp: 451915

Ion Ratio Lower Upper

188 100

94 9.3 10.5 15.7#

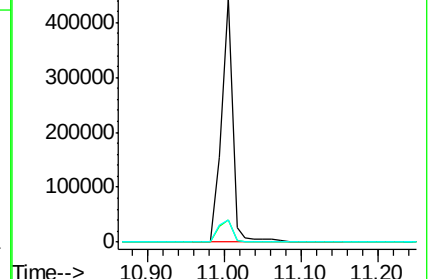
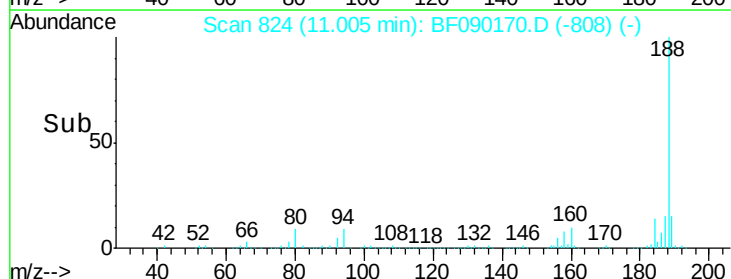
80 9.3 11.2 16.8#

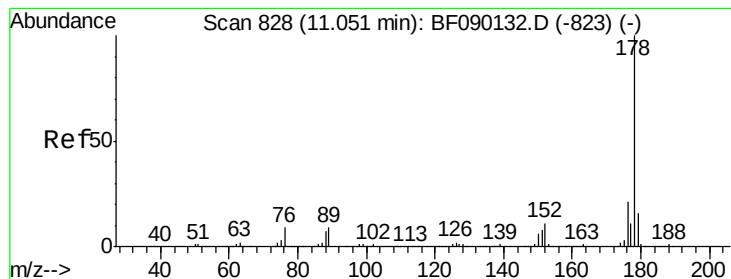


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 11.88 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

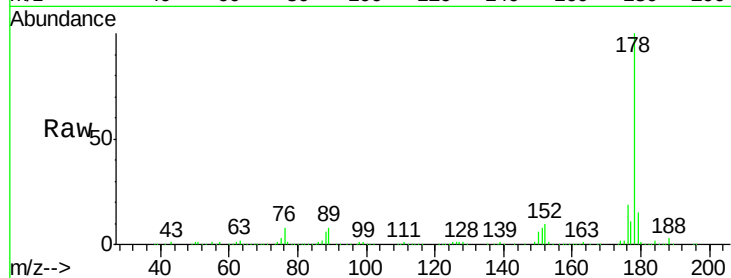
Tot Ion:178 Resp: 251160

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

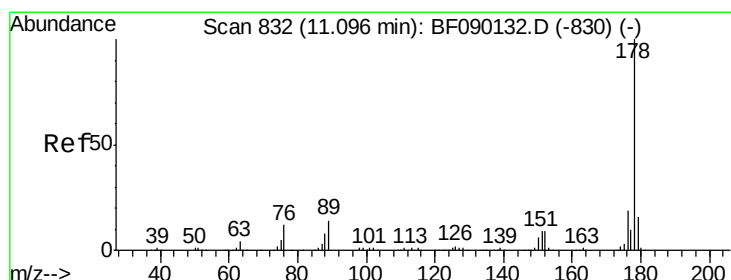
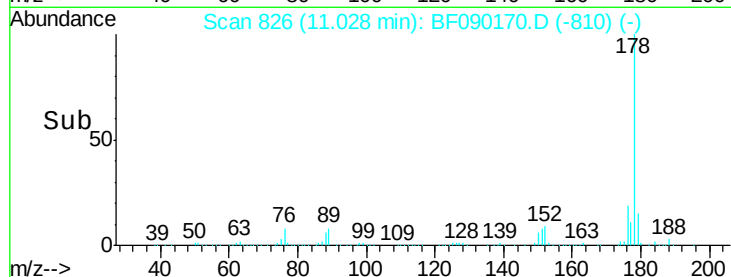
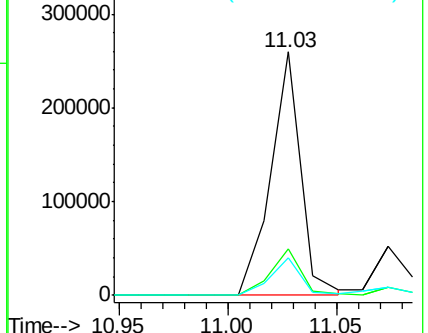
179 15.5 12.9 19.3



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



#71

Anthracene

Concen: 2.96 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

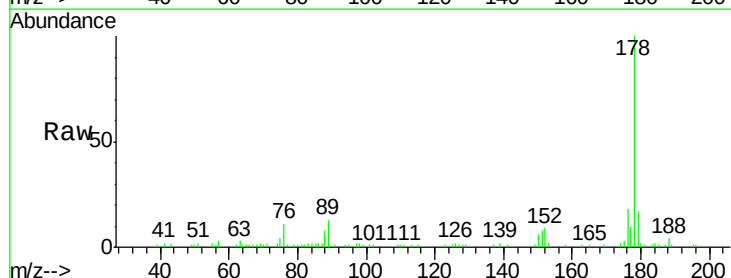
Tgt Ion:178 Resp: 65682

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.6

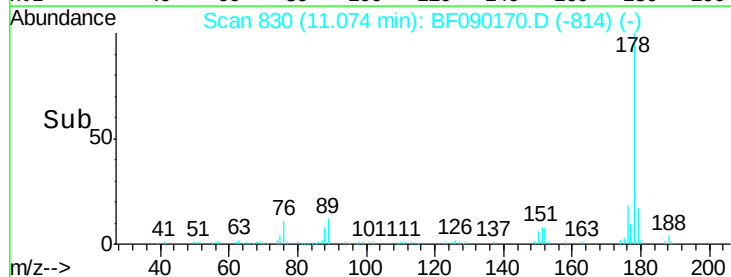
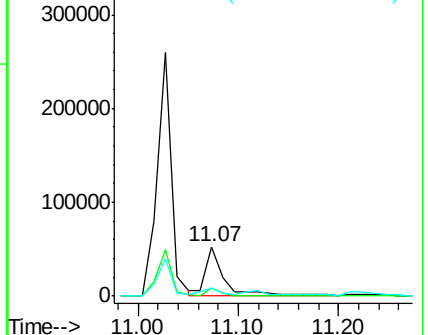
179 17.2 12.6 19.0

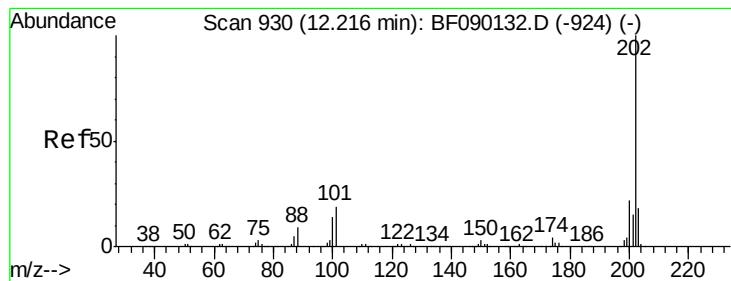


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.46 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampled :

BH-1-1-2FT

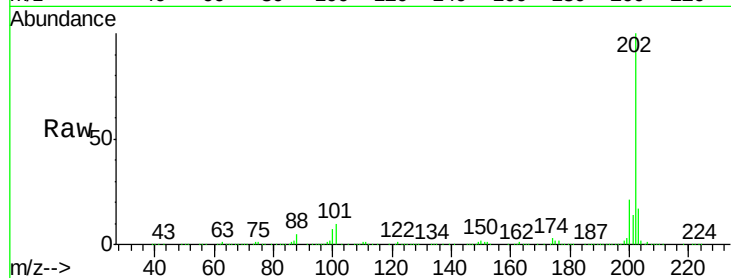
Tot Ion:202 Resp: 486883

Ion Ratio Lower Upper

202 100

101 10.1 0.0 36.1

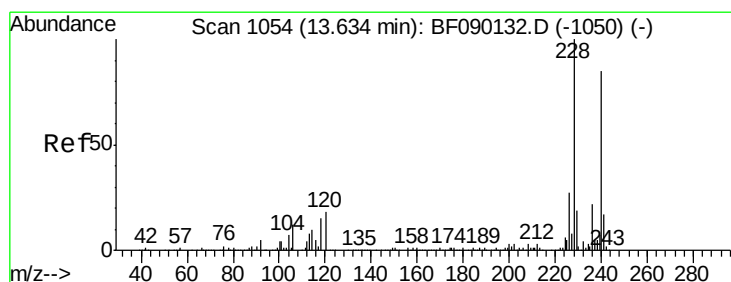
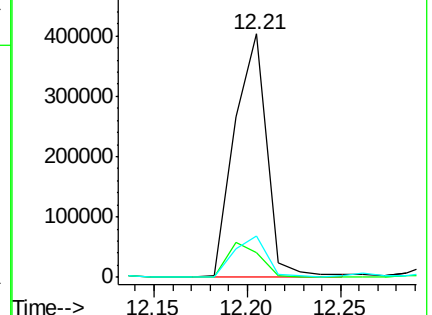
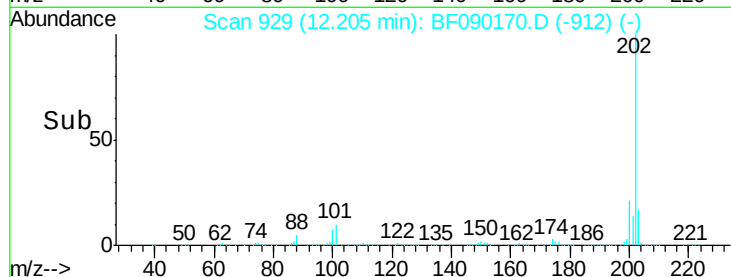
203 17.1 0.0 38.2



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: 13.61 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

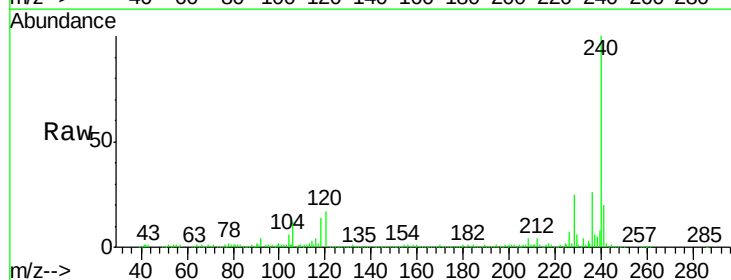
Tgt Ion:240 Resp: 329721

Ion Ratio Lower Upper

240 100

120 17.0 10.6 16.0#

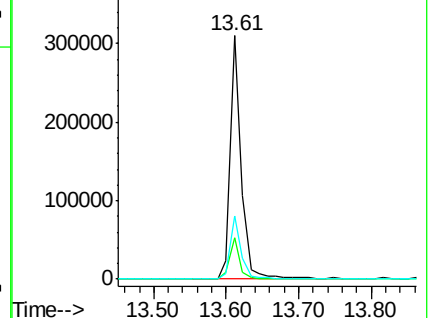
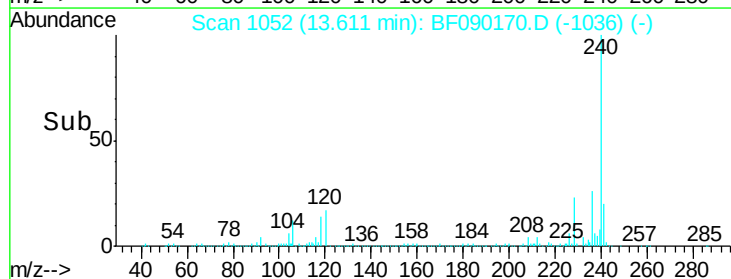
236 25.8 21.6 32.4

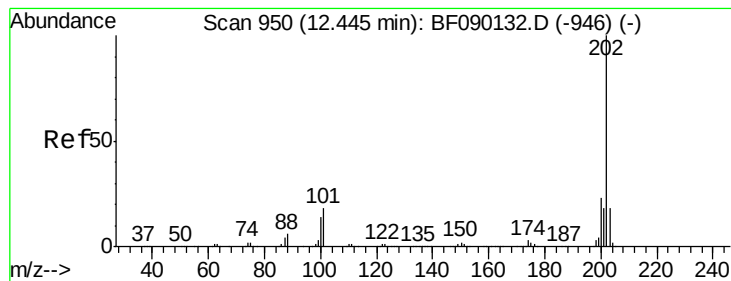


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.32 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

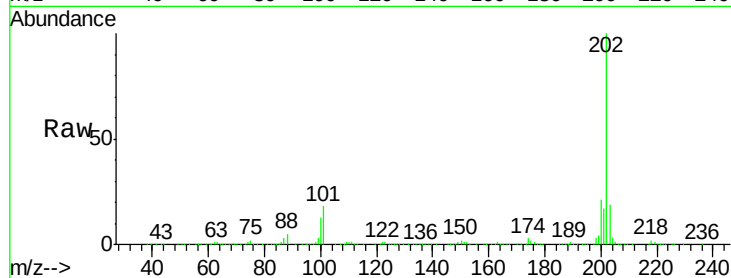
Tot Ion:202 Resp: 435817

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

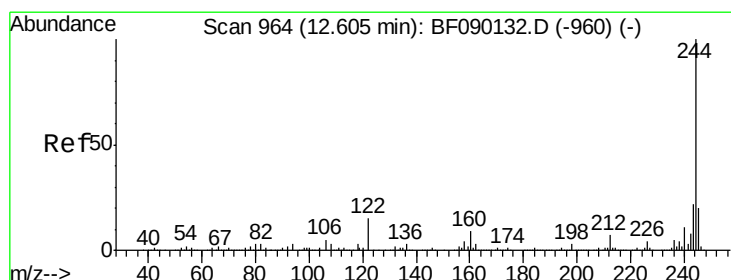
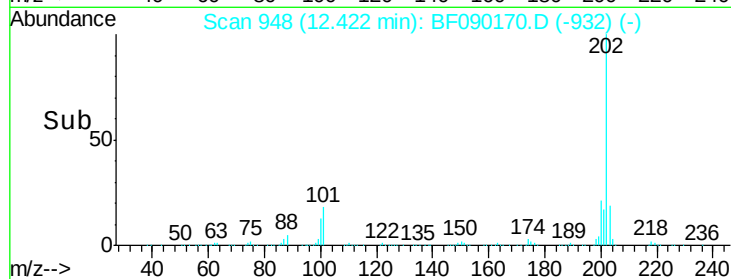
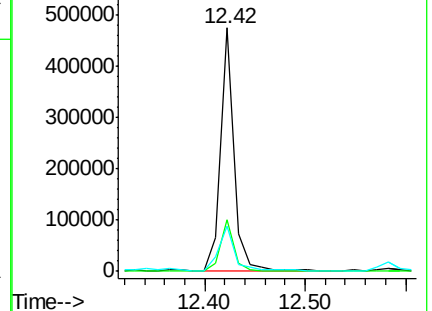
203 18.8 14.2 21.4



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: 75.82 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

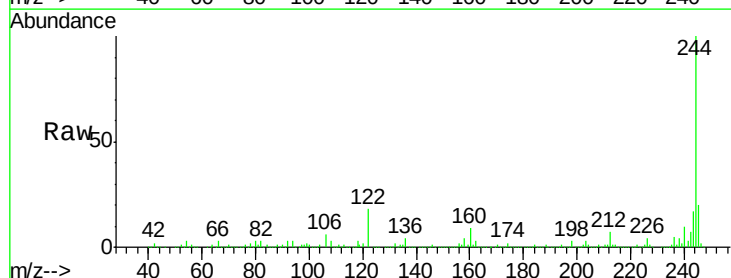
Tgt Ion:244 Resp: 984704

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

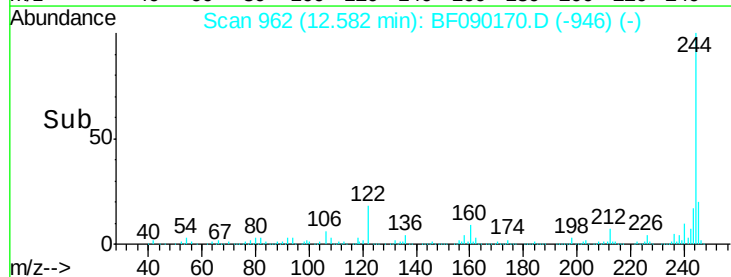
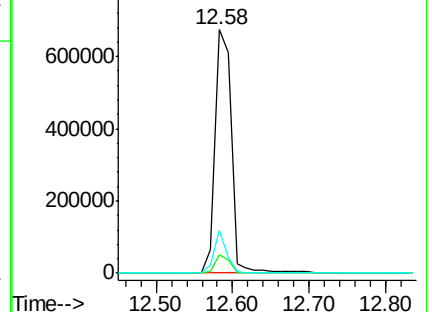
122 17.8 9.4 14.0#

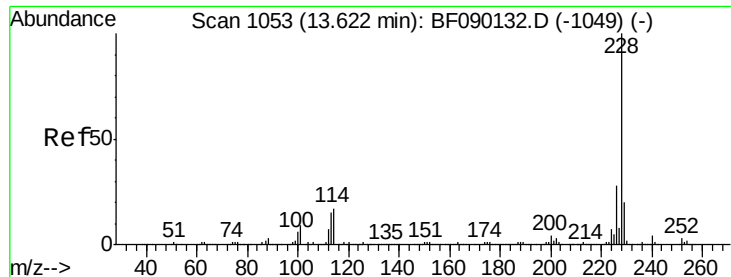


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.75 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

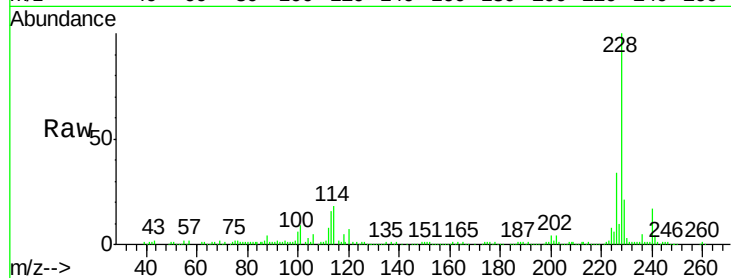
Tot Ion:228 Resp: 190679

Ion Ratio Lower Upper

228 100

226 34.2 22.0 33.0#

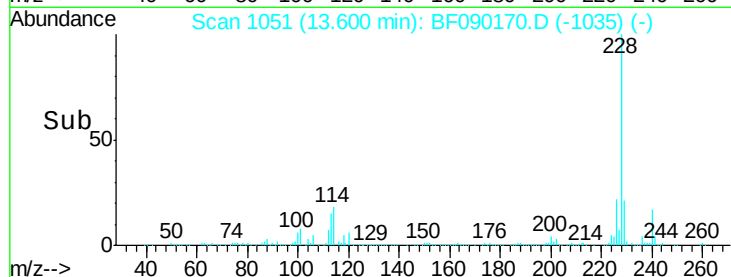
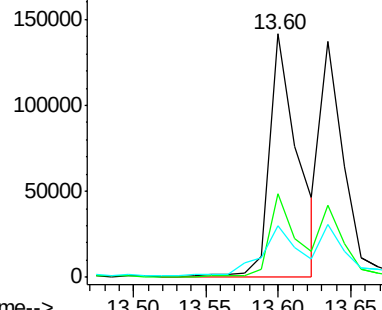
229 21.4 16.2 24.2



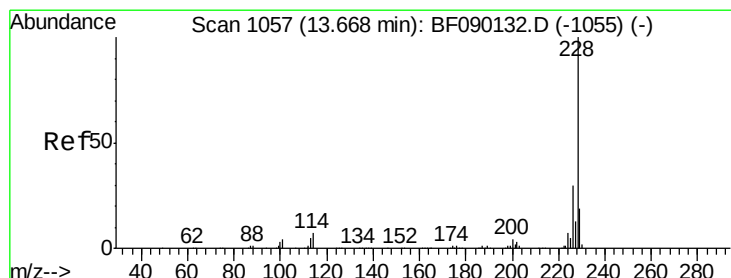
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 8.96 ng m

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

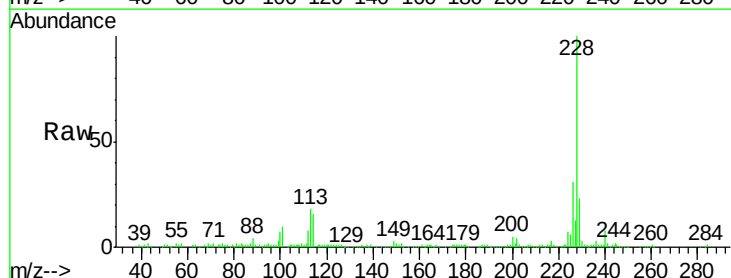
Tgt Ion:228 Resp: 154792

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

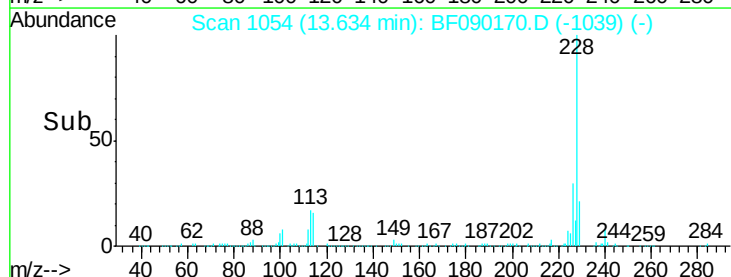
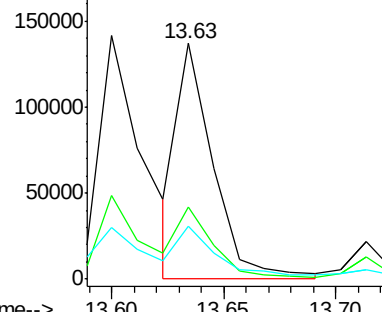
229 22.6 16.2 24.4



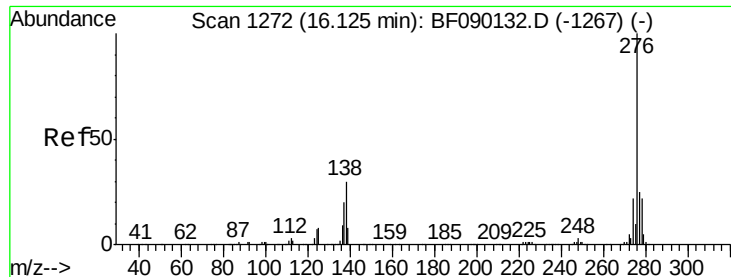
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.60 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.03 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

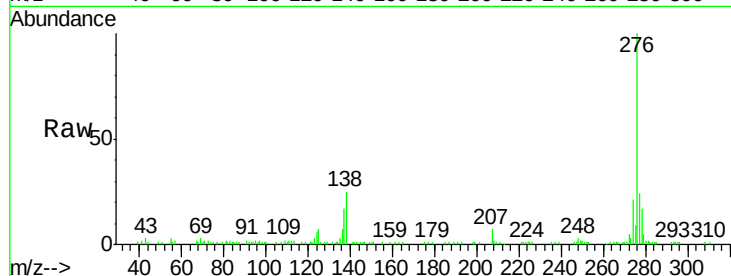
Tot Ion:276 Resp: 106119

Ion Ratio Lower Upper

276 100

138 25.8 25.9 38.9#

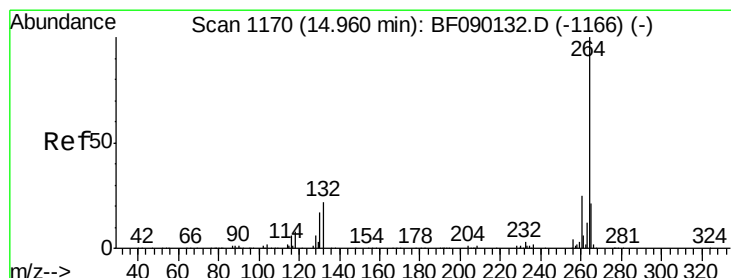
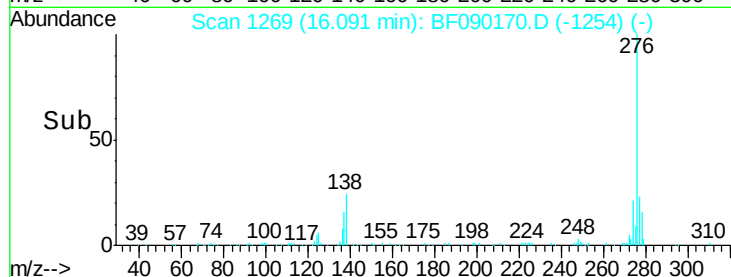
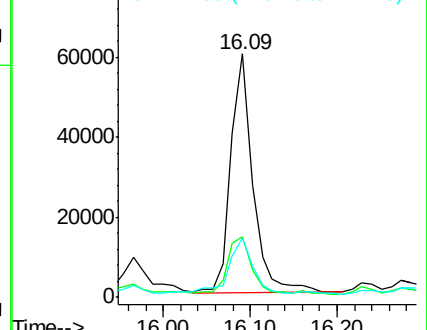
277 25.0 19.9 29.9



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: 14.94 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

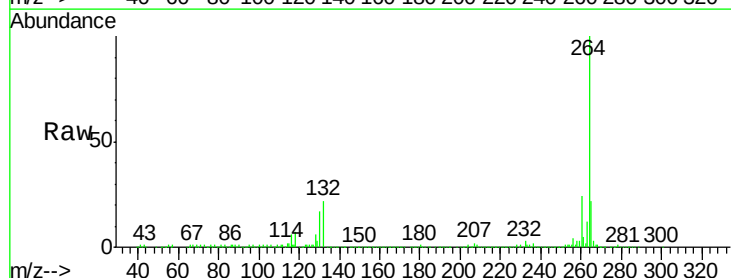
Tgt Ion:264 Resp: 297008

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

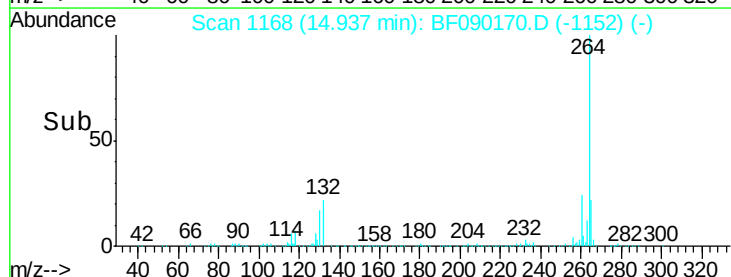
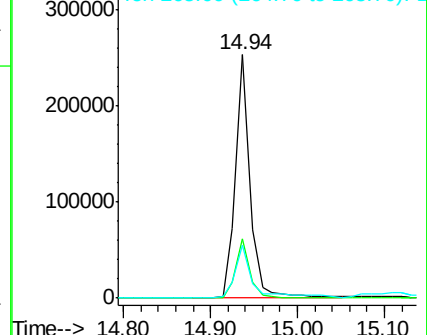
265 22.0 17.0 25.4

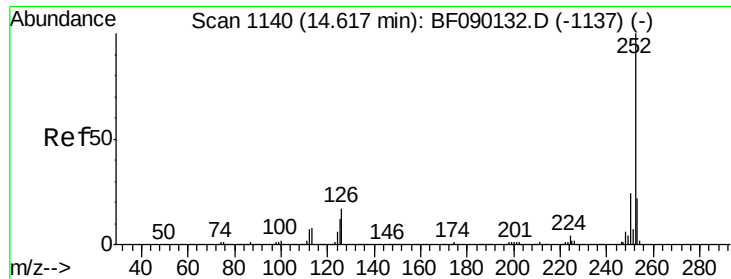


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.83 ng m

RT: 14.59 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

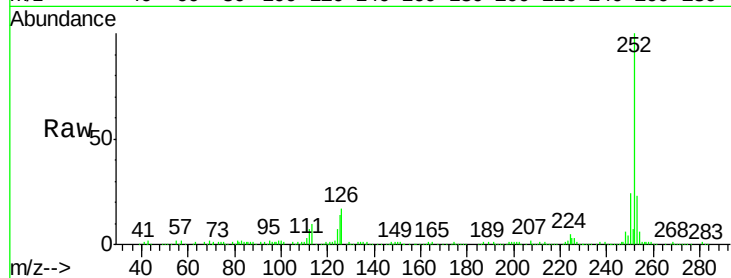
Tot Ion:252 Resp: 194609

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

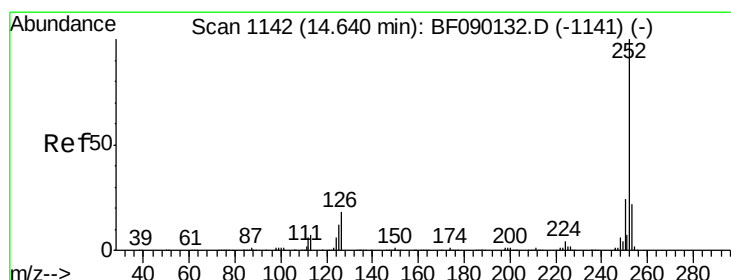
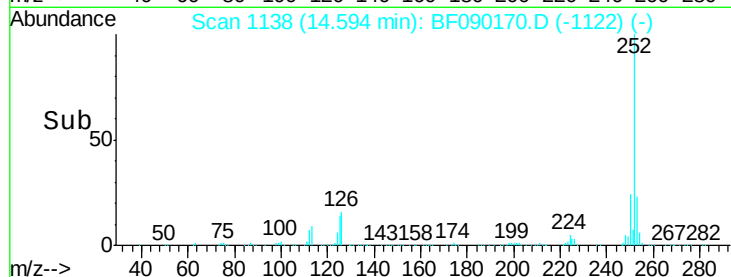
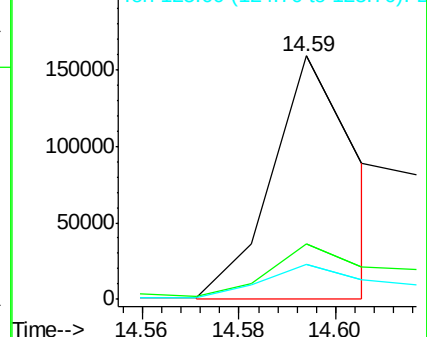
125 14.4 12.7 19.1



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: 5.01 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

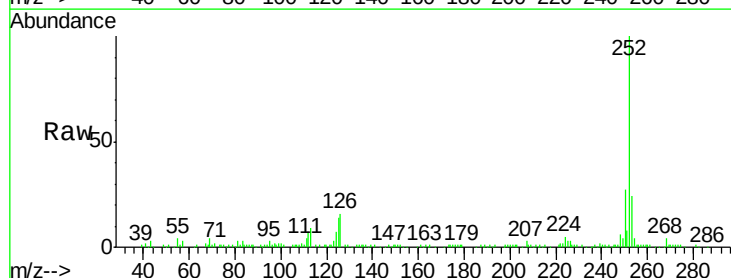
Tgt Ion:252 Resp: 77274

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

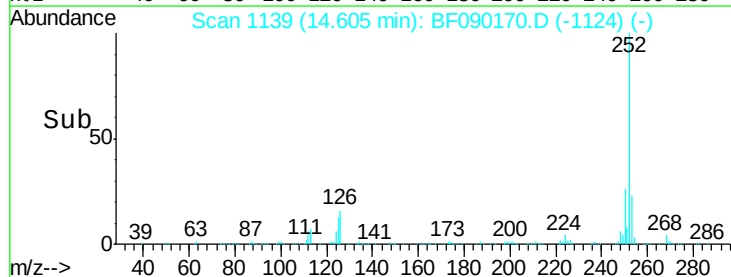
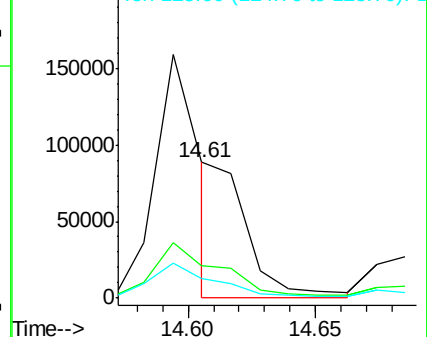
125 14.1 7.8 11.6#

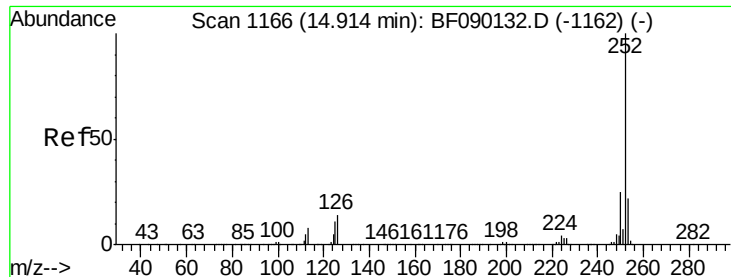


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

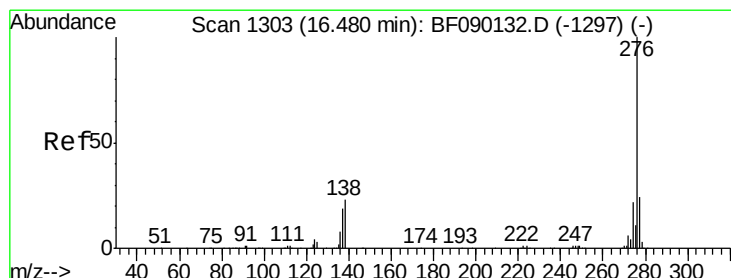
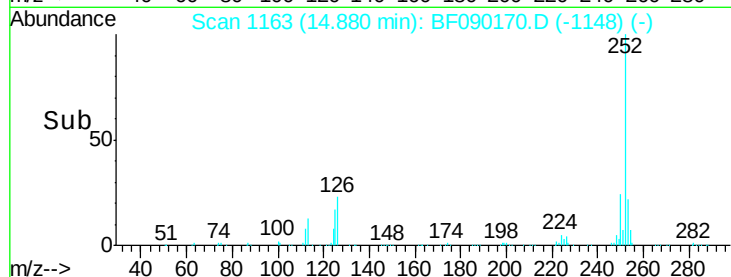
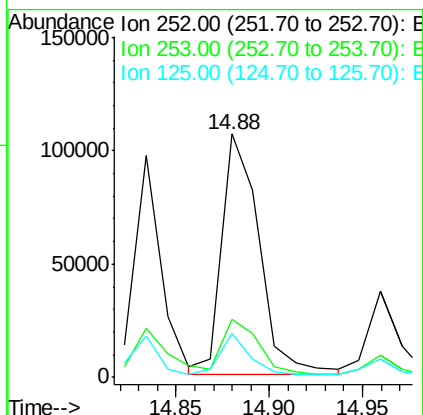
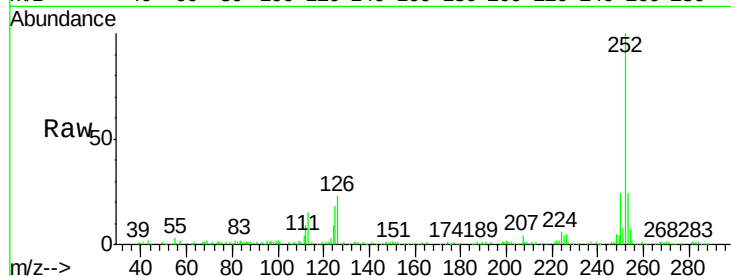




#89
Benzo(a)pyrene
Concen: 9.55 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

Instrument :
BNA_F
ClientSampleId :
BH-1-1-2FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	18.0	7.7	11.5#



#91
Benzo(g,h,i)perylene
Concen: 8.67 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	25.0	23.3	34.9

