

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

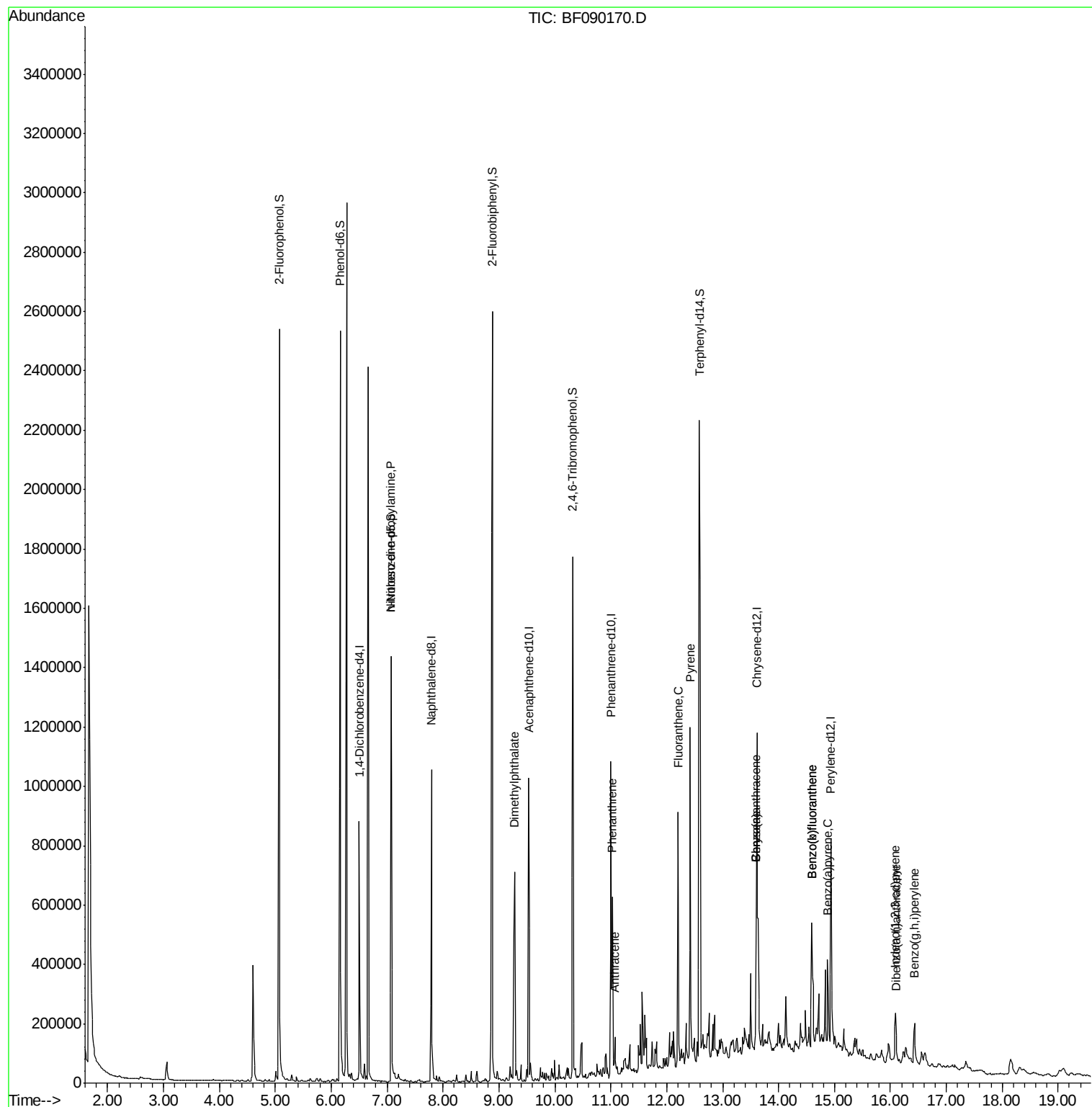
Quant Time: Sep 22 01:55:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

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
19) n-Nitroso-di-n-propylamine	7.07	70	66550	9.90	ng	# 81
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	13.60	228	190679	11.03	ng	95
85) Indeno(1,2,3-cd)pyrene	16.09	276	106119	7.60	ng	# 93
87) Benzo(b)fluoranthene	14.59	252	269984	16.42	ng	98
88) Benzo(k)fluoranthene	14.59	252	269984	17.49	ng	# 95
89) Benzo(a)pyrene	14.88	252	147811	9.55	ng	# 90
90) Dibenzo(a,h)anthracene	16.10	278	25519	2.11	ng	# 89
91) Benzo(g,h,i)perylene	16.43	276	102406	8.67	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration





#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

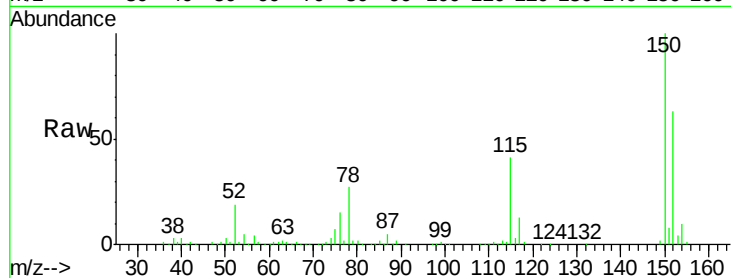
Tgt Ion:152 Resp: 151037

Ion Ratio Lower Upper

152 100

150 157.6 128.9 193.3

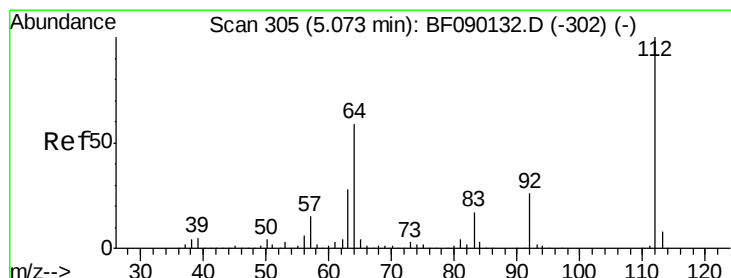
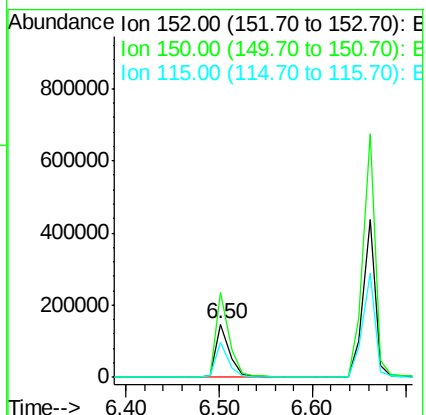
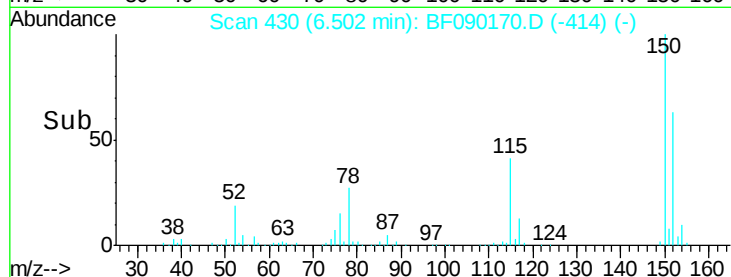
115 64.9 55.5 83.3



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

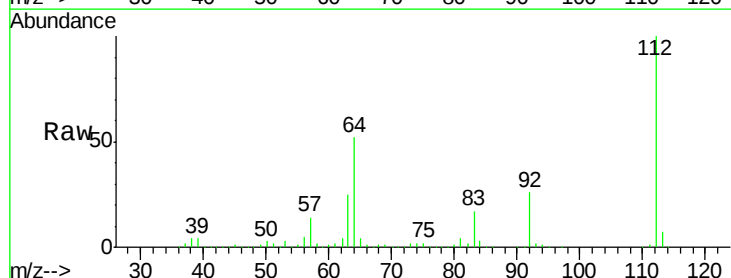
Tgt Ion:112 Resp: 959439

Ion Ratio Lower Upper

112 100

64 51.9 39.8 59.6

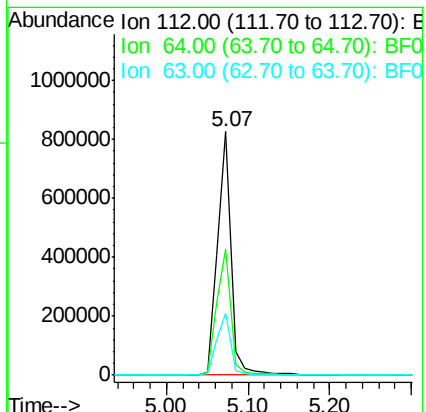
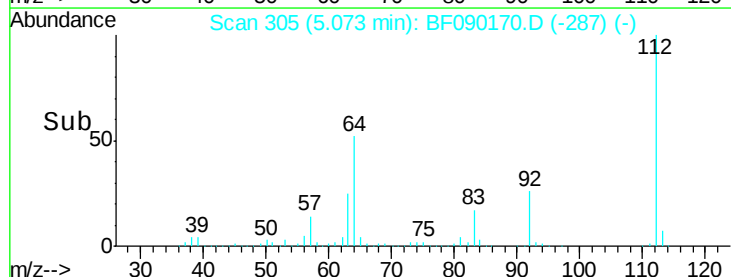
63 25.4 18.9 28.3



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

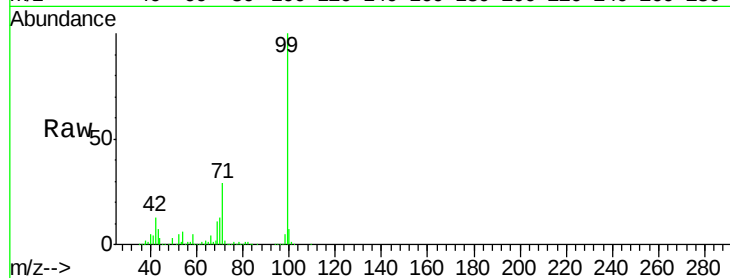
Tgt Ion: 99 Resp: 1176189

Ion Ratio Lower Upper

99 100

42 12.9 10.6 15.8

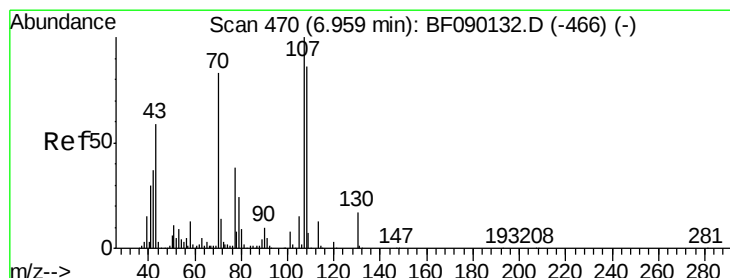
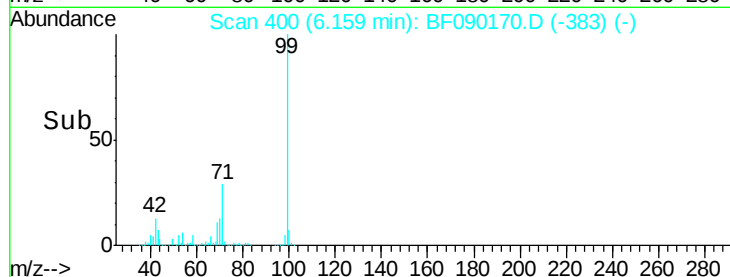
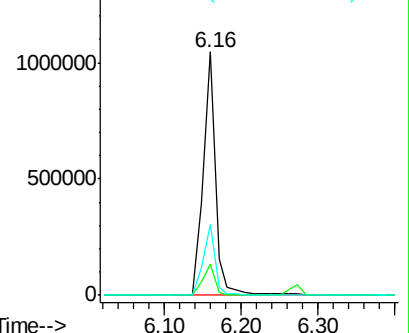
71 29.3 23.0 34.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.90 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Tgt Ion: 70 Resp: 66550

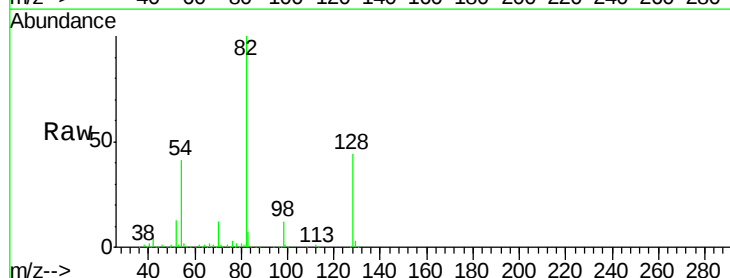
Ion Ratio Lower Upper

70 100

42 38.9 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#

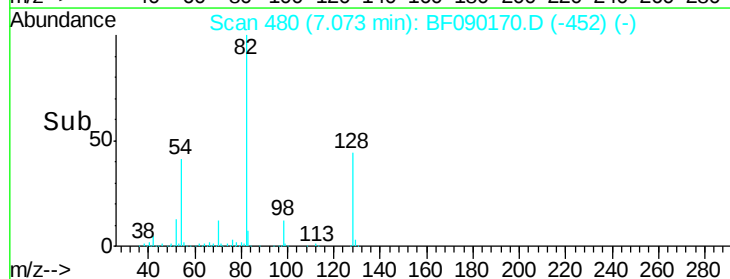
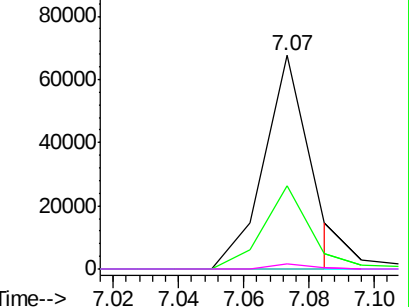


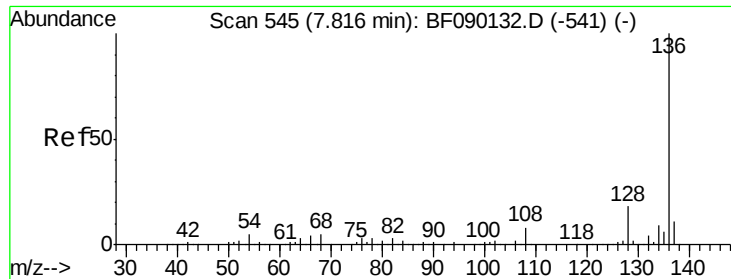
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

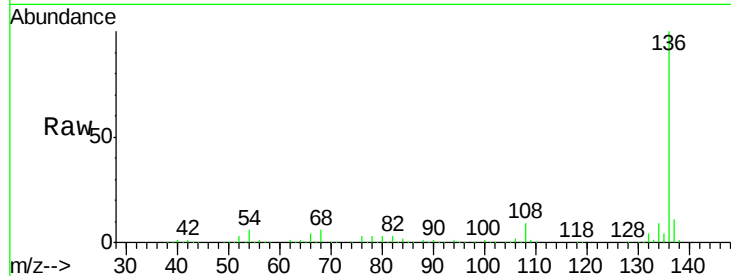




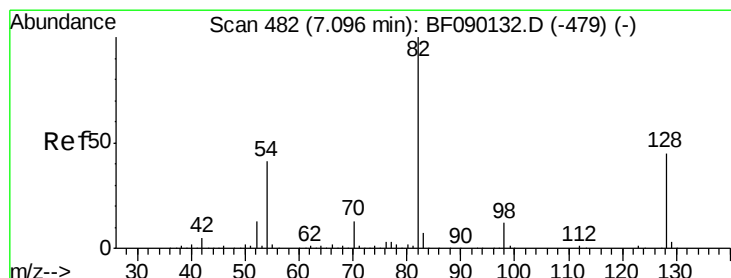
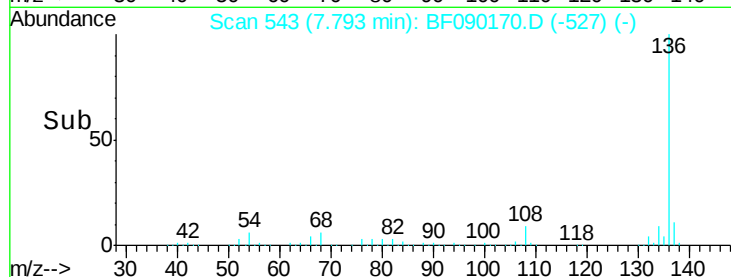
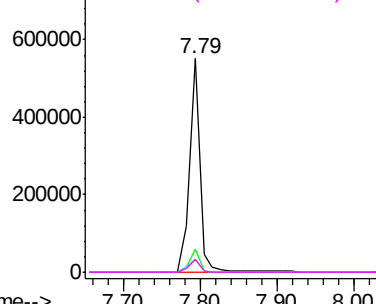
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

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

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#

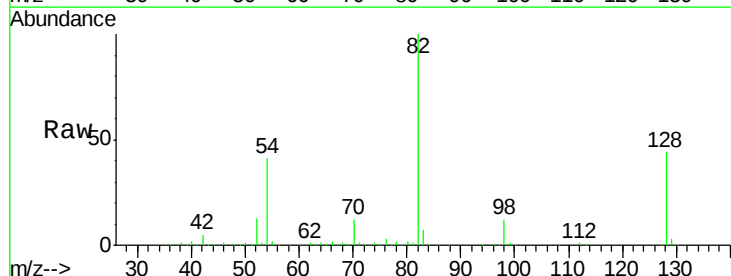


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

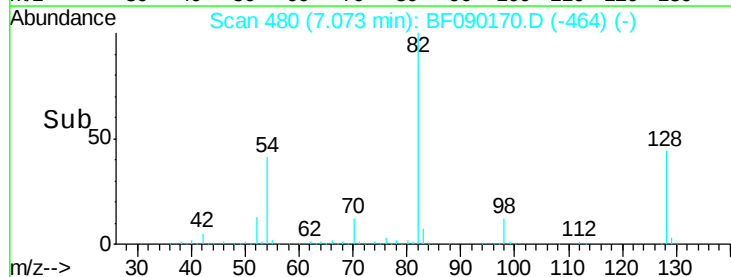
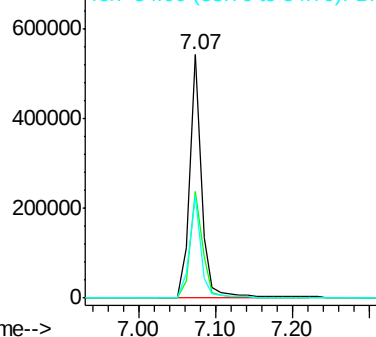


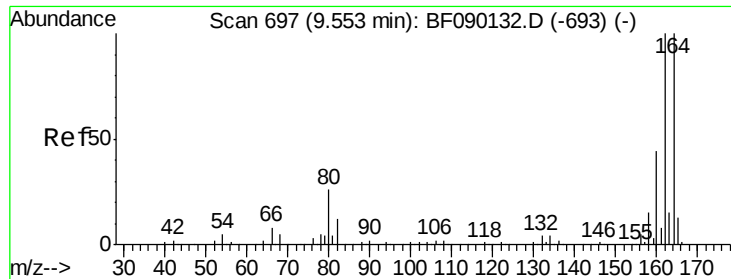
#23
Nitrobenzene-d5
Concen: 66.24 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

Tgt 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

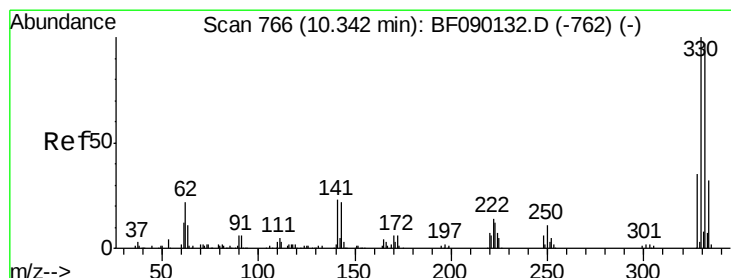
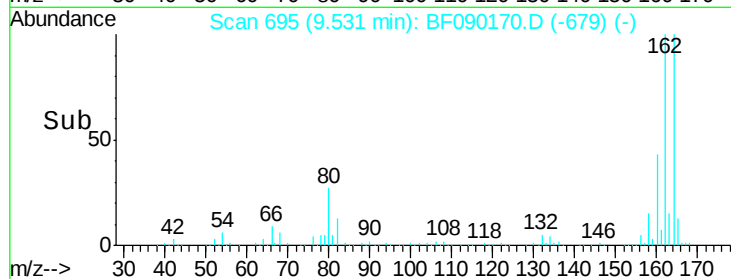
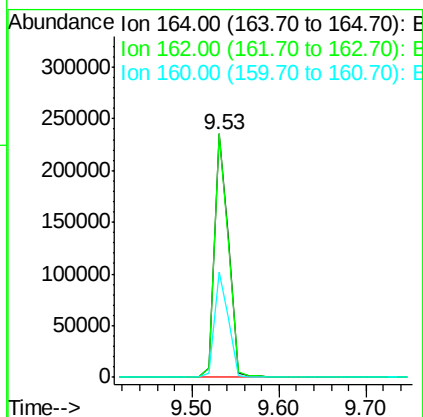
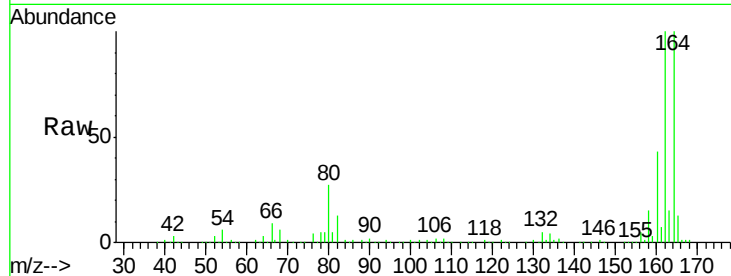




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090170.D
 Acq: 21 Sep 2016 20:18

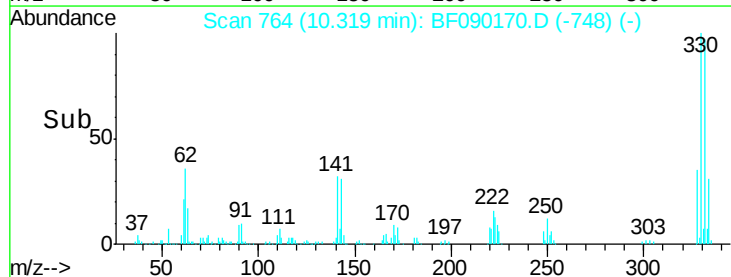
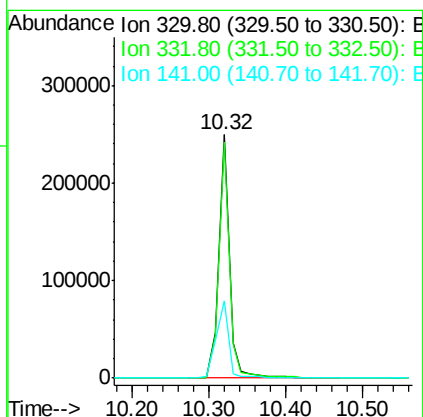
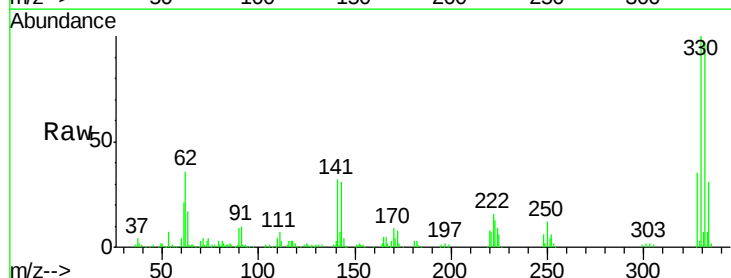
Instrument :
 BNA_F
 ClientSampleId :
 BH-1-1-2FT

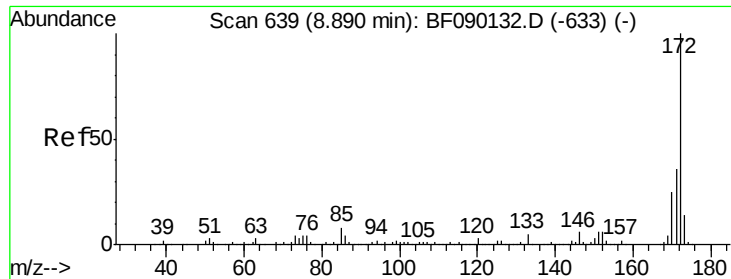
Tgt Ion:164 Resp: 270385
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.2
 160 43.4 36.6 54.8



#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

Tgt Ion:330 Resp: 243184
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.1 117.1
 141 35.9 23.9 35.9#

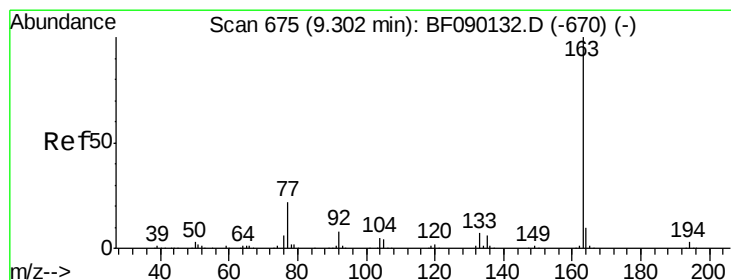
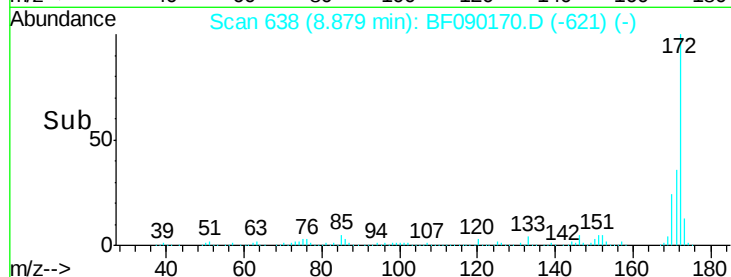
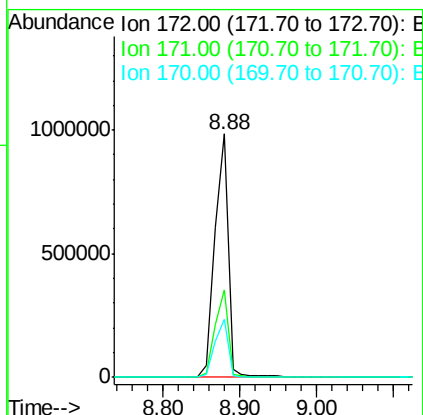
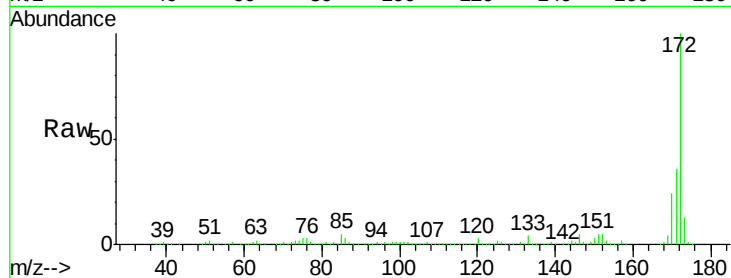




#44
 2-Fluorobiphenyl
 Concen: 86.20 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090170.D
 Acq: 21 Sep 2016 20:18

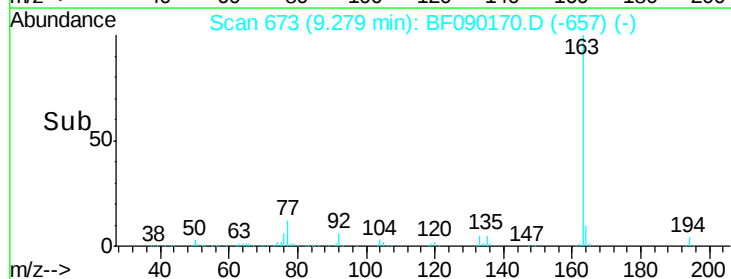
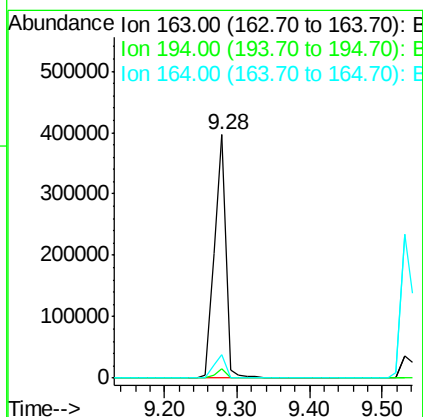
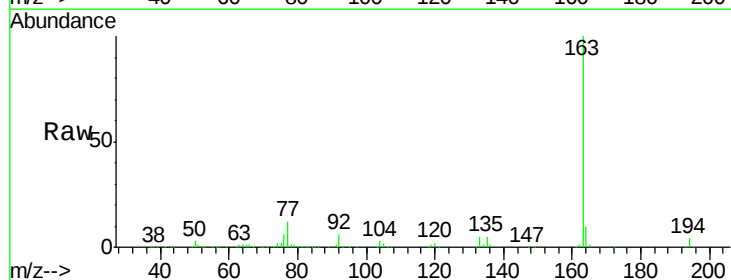
Instrument :
 BNA_F
 ClientSampleId :
 BH-1-1-2FT

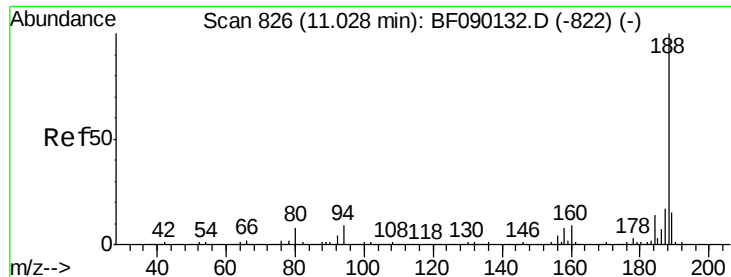
Tgt Ion:172 Resp: 1187169
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.0 19.8 29.8



#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

Tgt Ion:163 Resp: 435976
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.8 4.2
 164 9.5 8.1 12.1

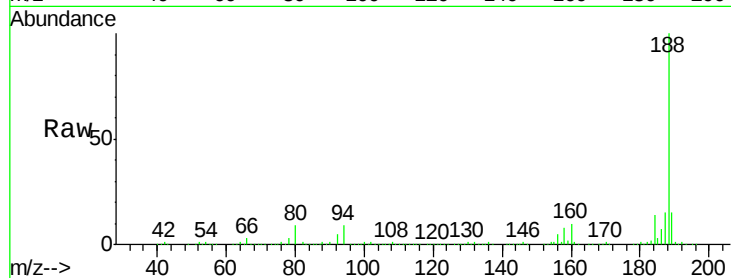




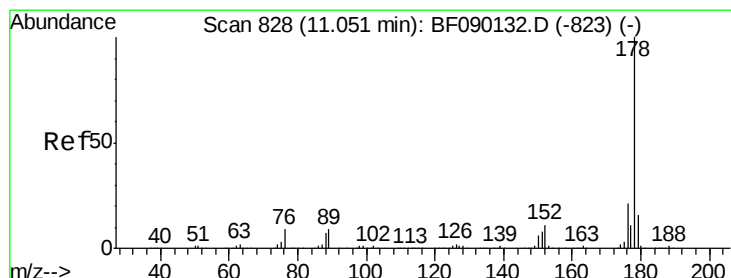
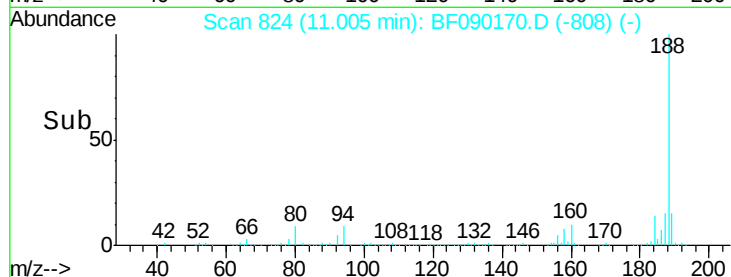
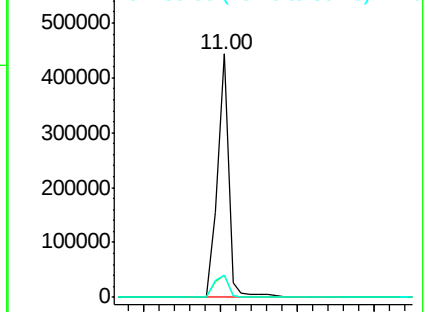
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

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

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#

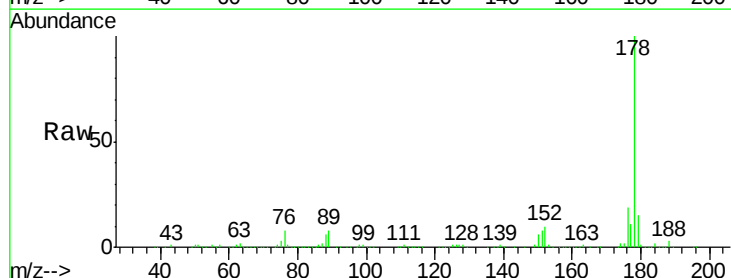


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

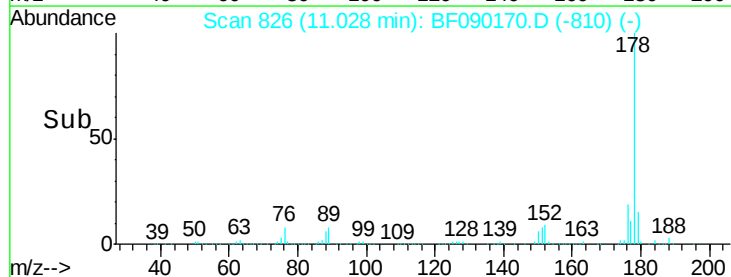
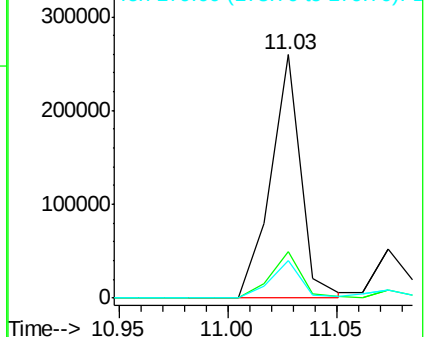


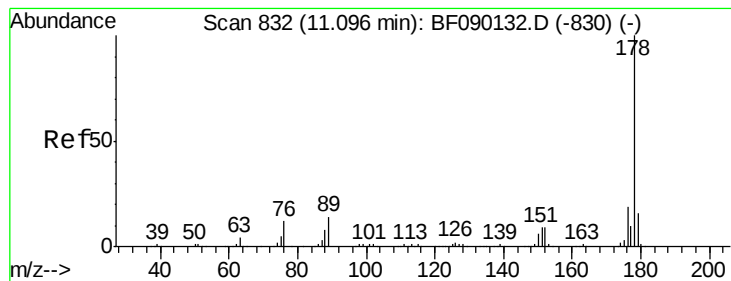
#70
Phenanthrene
Concen: 11.88 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

Tgt 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

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

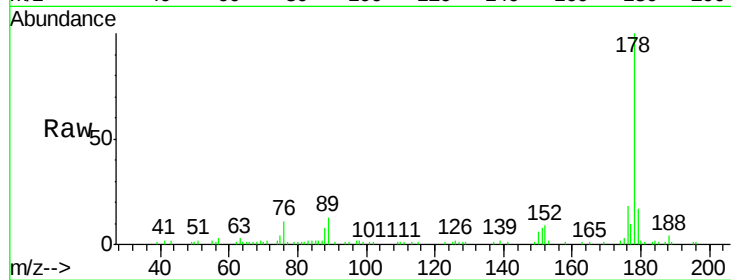
Tgt Ion:178 Resp: 65682

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.6

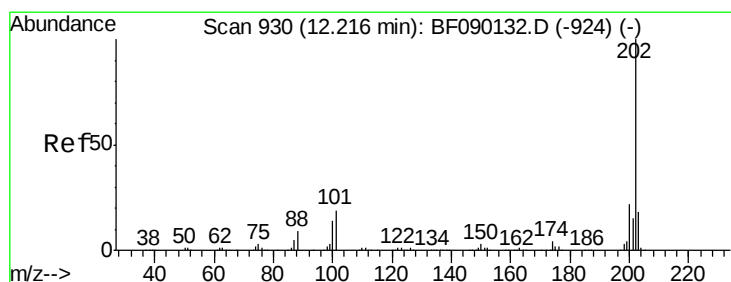
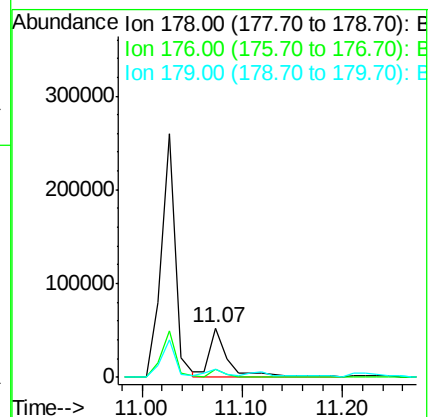
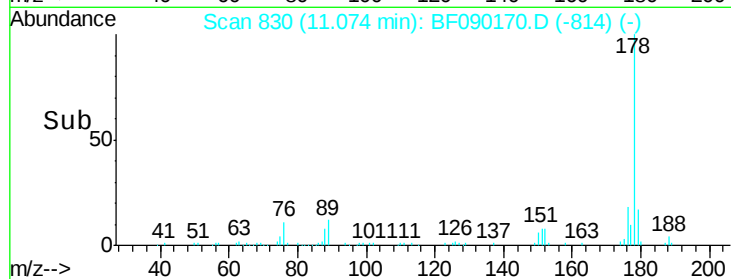
179 17.2 12.6 19.0



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

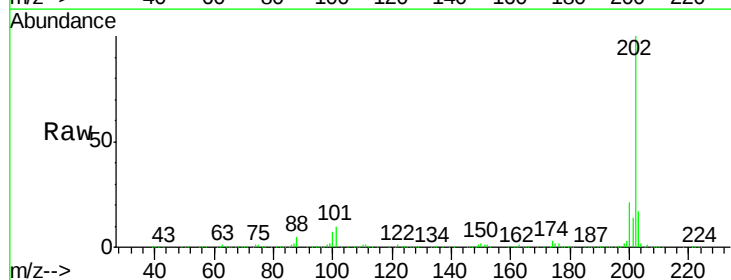
Tgt Ion:202 Resp: 486883

Ion Ratio Lower Upper

202 100

101 10.1 0.0 36.1

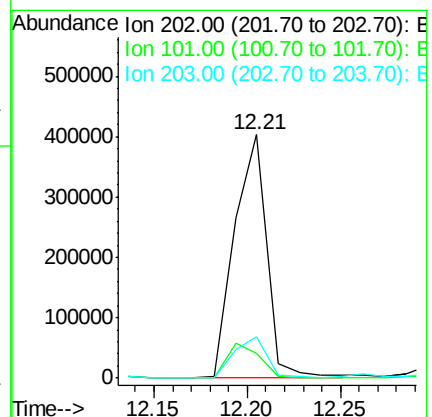
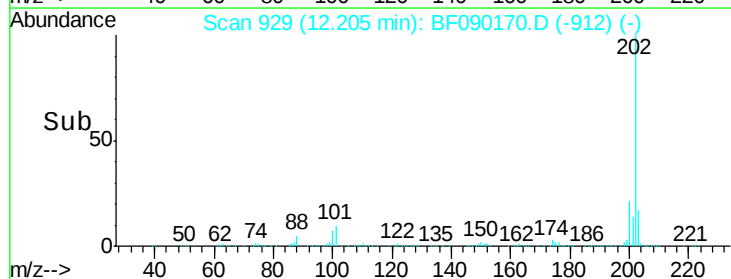
203 17.1 0.0 38.2

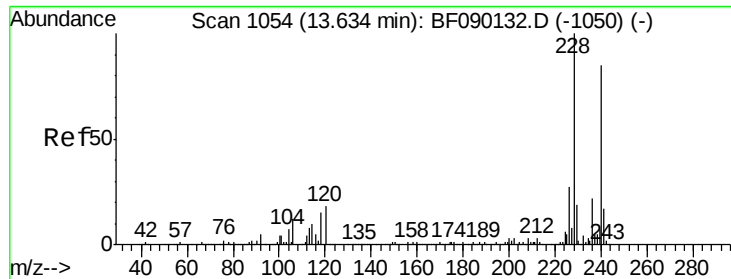


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

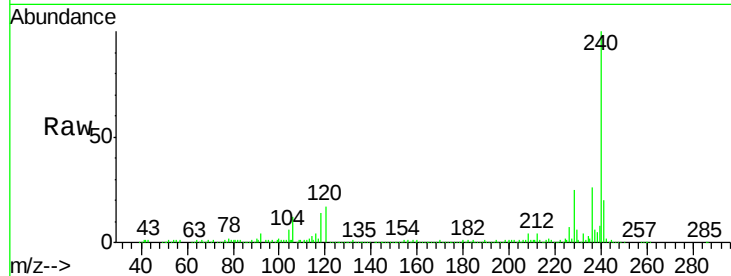
Tgt Ion:240 Resp: 329721

Ion Ratio Lower Upper

240 100

120 17.0 10.6 16.0#

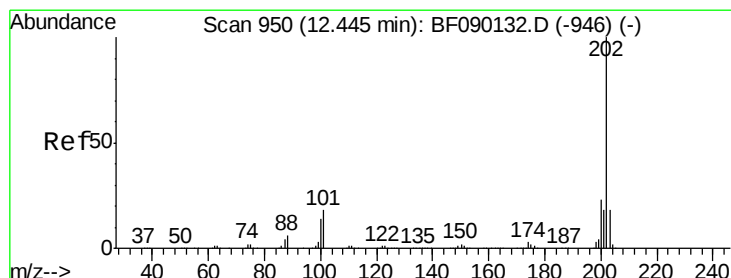
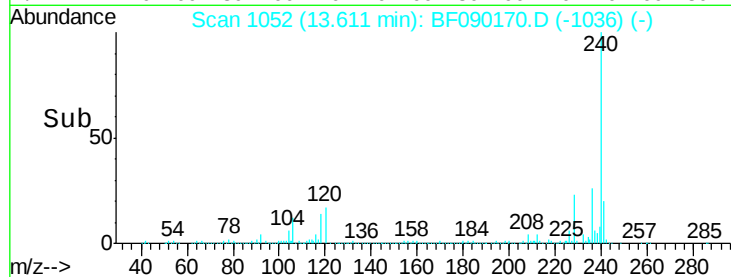
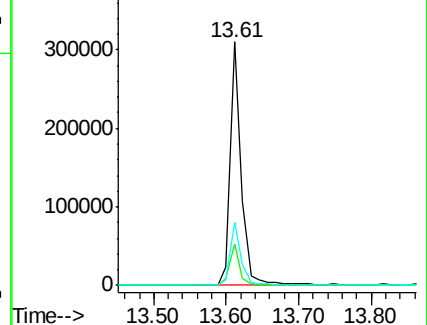
236 25.8 21.6 32.4



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

Pyrene

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

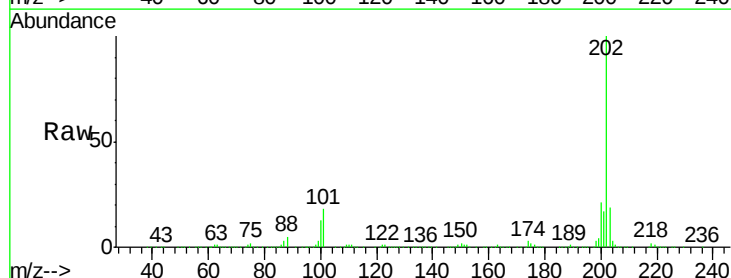
Tgt Ion:202 Resp: 435817

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

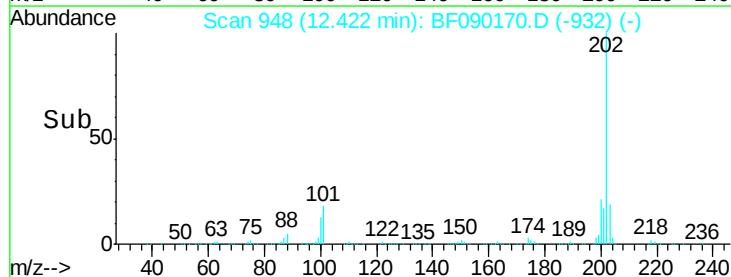
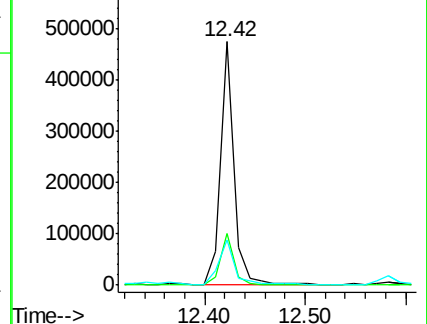
203 18.8 14.2 21.4

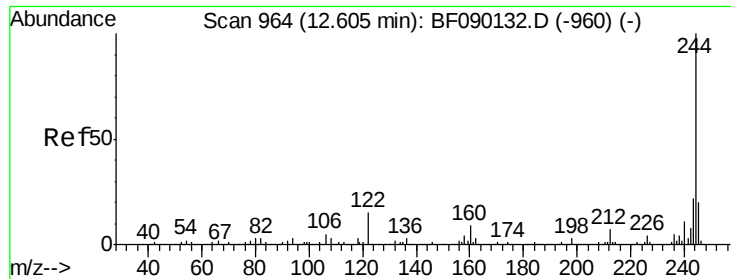


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

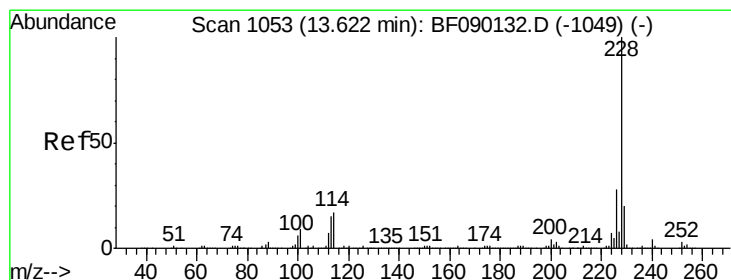
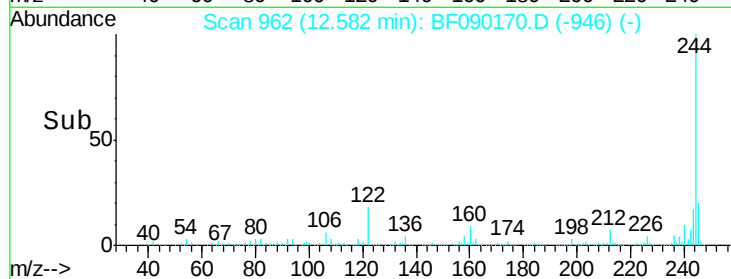
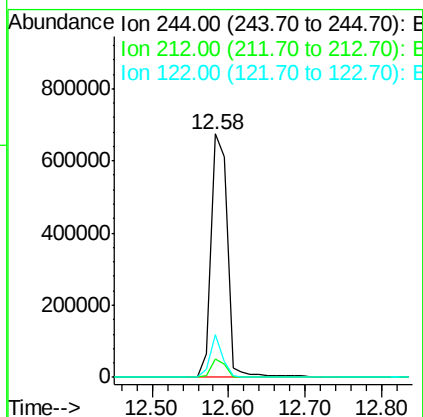
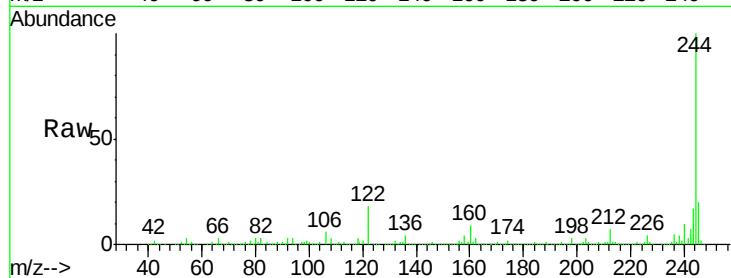




#78
 Terphenyl-d14
 Concen: 75.82 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090170.D
 Acq: 21 Sep 2016 20:18

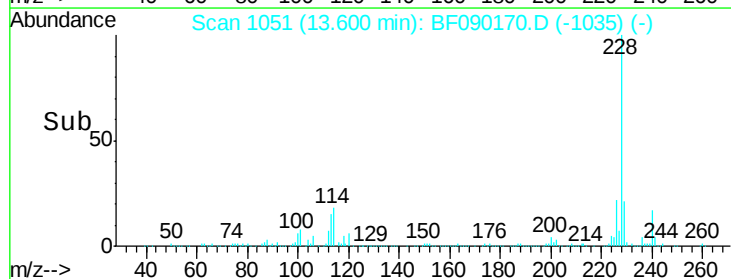
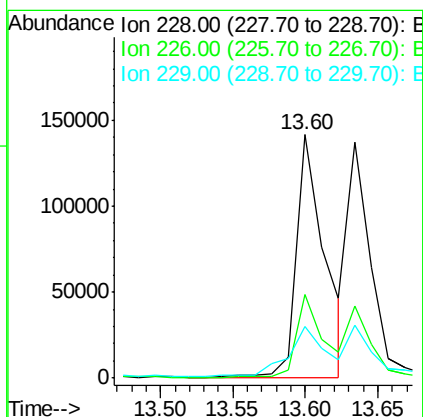
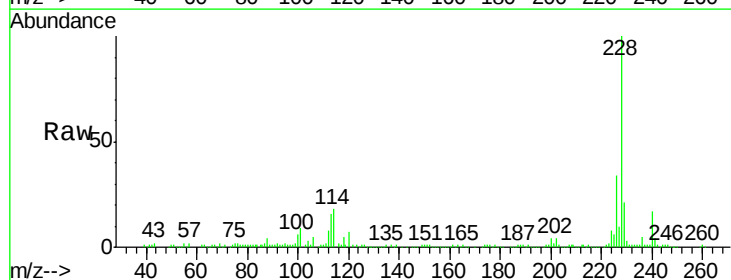
Instrument :
 BNA_F
 ClientSampleId :
 BH-1-1-2FT

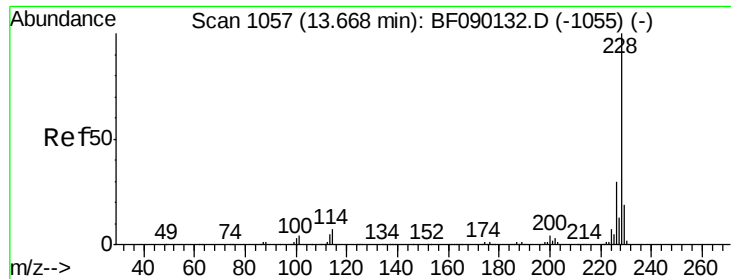
Tgt Ion:244 Resp: 984704
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 17.8 9.4 14.0#



#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

Tgt Ion:228 Resp: 190679
 Ion Ratio Lower Upper
 228 100
 226 34.2 22.0 33.0#
 229 21.4 16.2 24.2





#82

Chrysene

Concen: 11.03 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

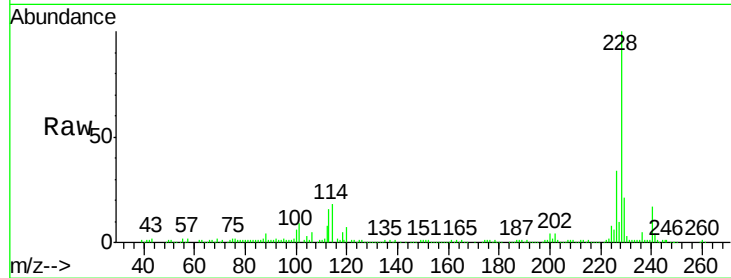
Tgt Ion:228 Resp: 190679

Ion Ratio Lower Upper

228 100

226 34.2 24.6 37.0

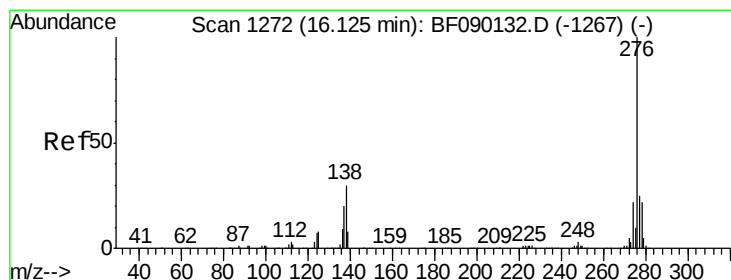
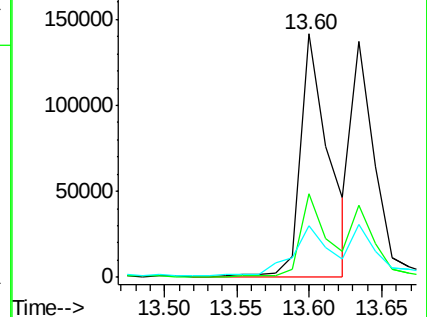
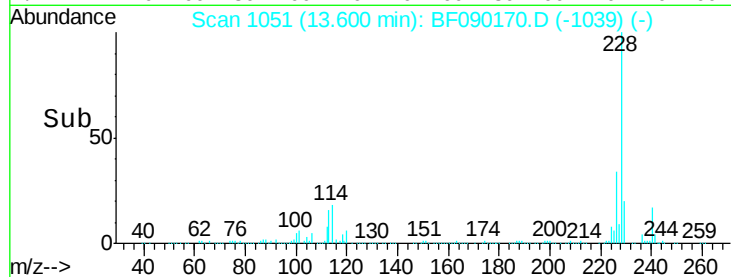
229 21.4 16.2 24.4



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



#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

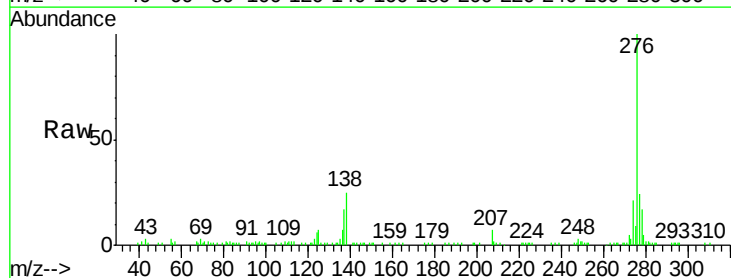
Tgt Ion:276 Resp: 106119

Ion Ratio Lower Upper

276 100

138 25.8 25.9 38.9#

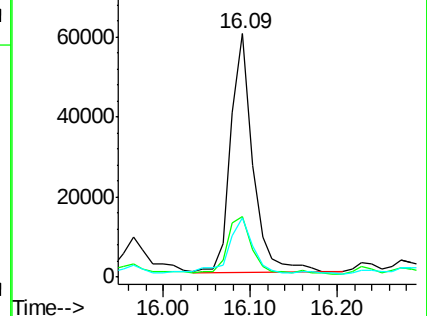
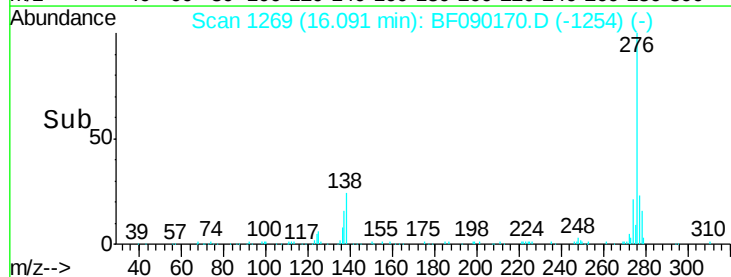
277 25.0 19.9 29.9

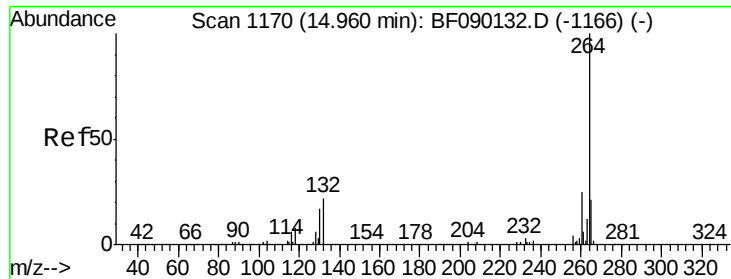


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

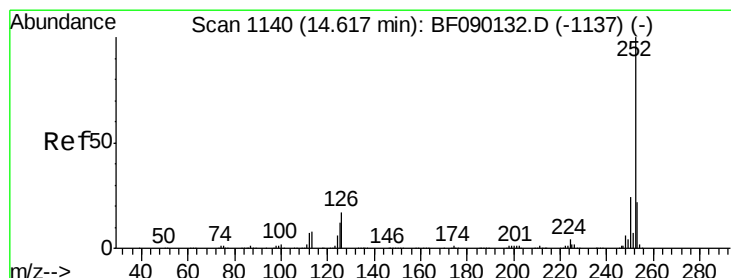
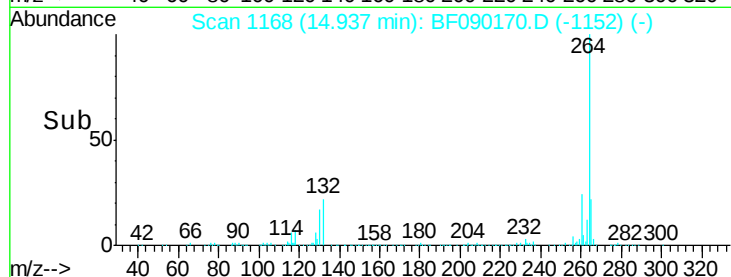
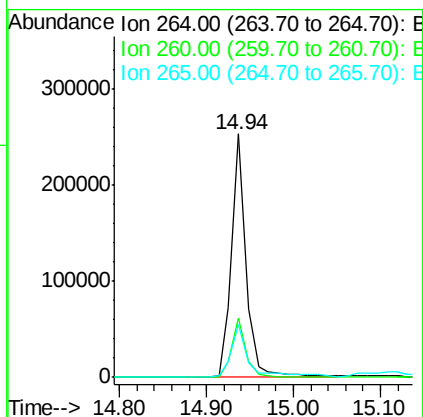
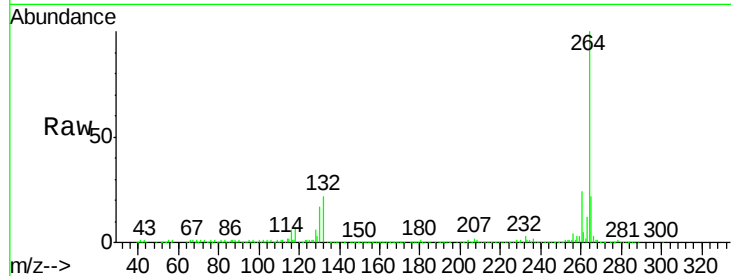




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

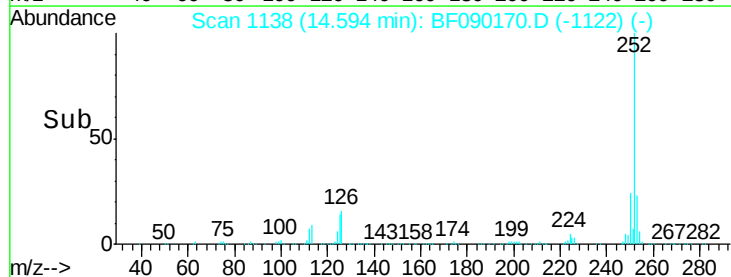
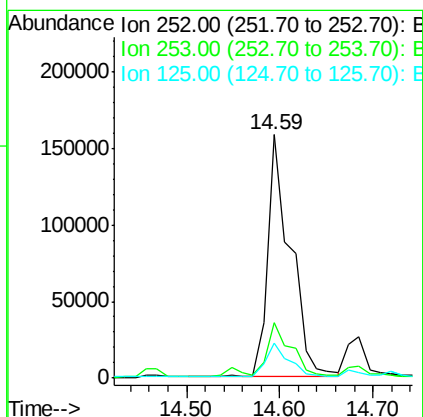
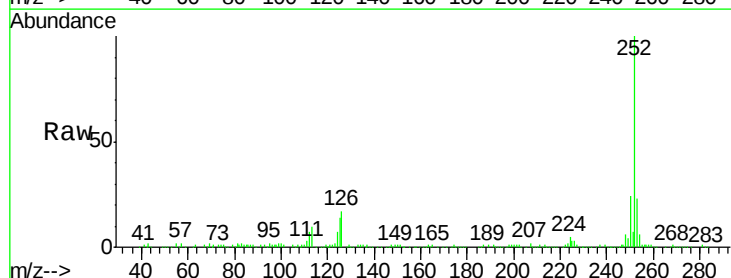
Instrument :
BNA_F
ClientSampleId :
BH-1-1-2FT

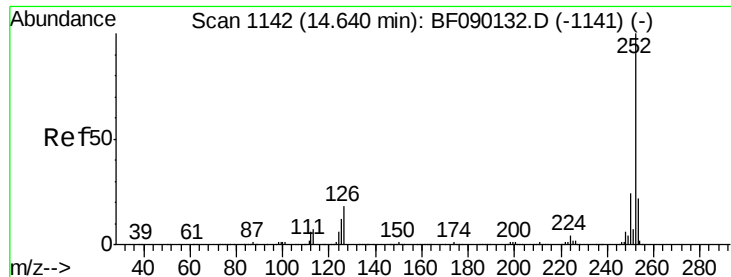
Tgt Ion: 264 Resp: 297008
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.0 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 16.42 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

Tgt Ion: 252 Resp: 269984
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 14.4 12.7 19.1

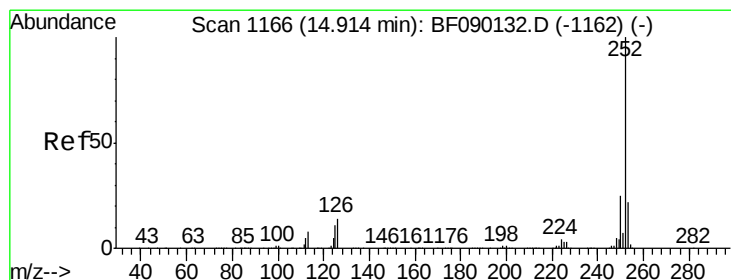
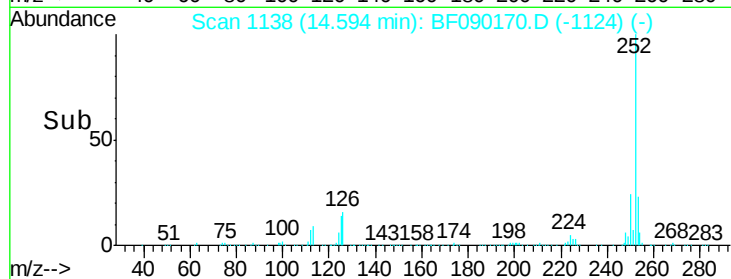
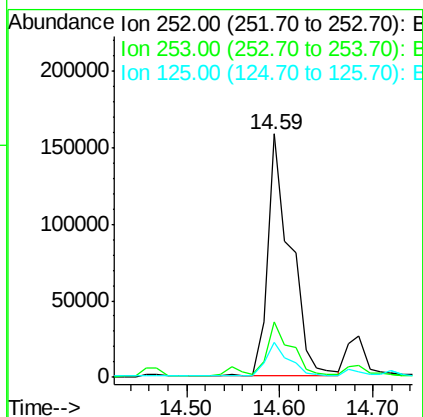
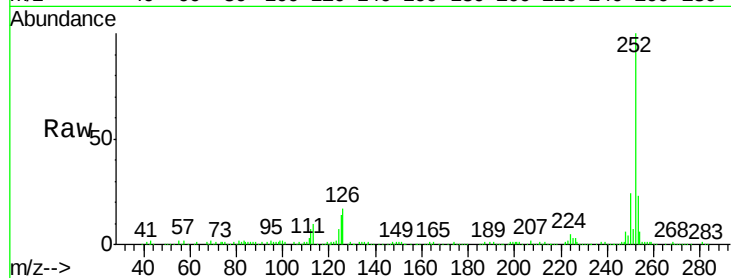




#88
Benzo(k)fluoranthene
Concen: 17.49 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.05 min
Lab File: BF090170.D
Acq: 21 Sep 2016 20:18

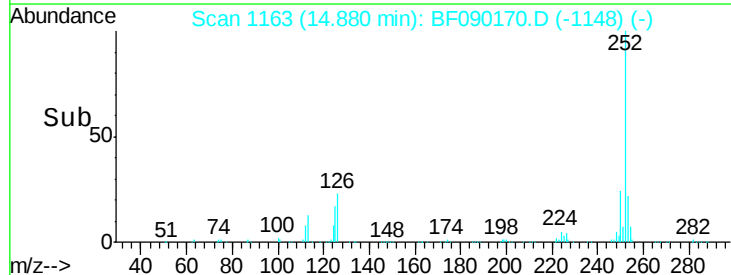
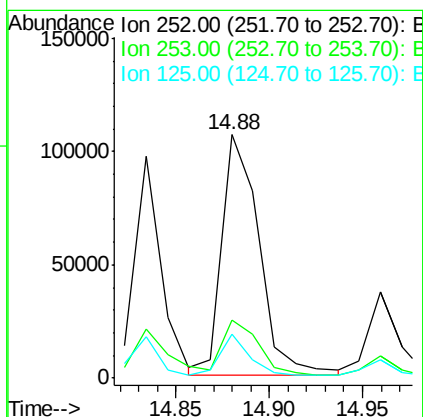
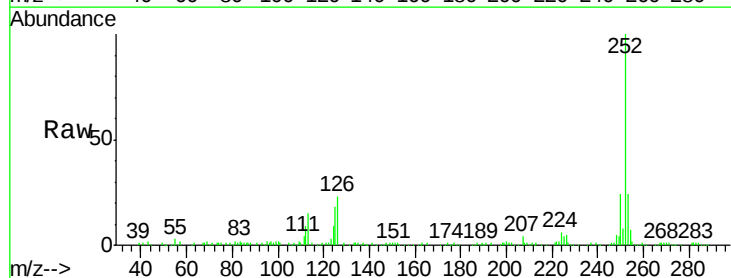
Instrument :
BNA_F
ClientSampleId :
BH-1-1-2FT

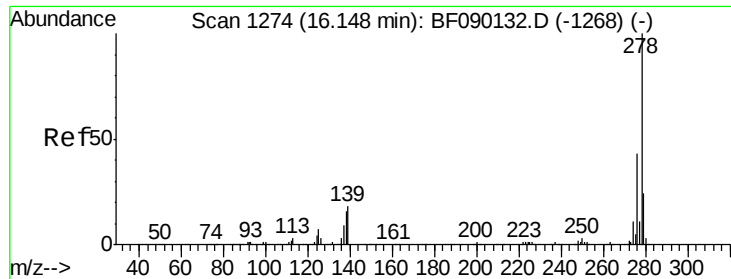
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.4	7.8	11.6



#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

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





#90

Dibenzo(a,h)anthracene

Concen: 2.11 ng

RT: 16.10 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF090170.D

Acq: 21 Sep 2016 20:18

Instrument :

BNA_F

ClientSampleId :

BH-1-1-2FT

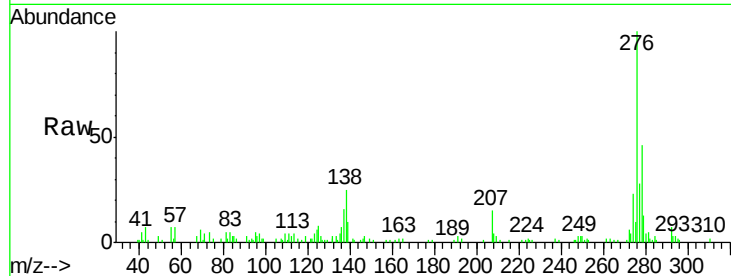
Tgt Ion:278 Resp: 25519

Ion Ratio Lower Upper

278 100

139 22.8 14.6 21.8#

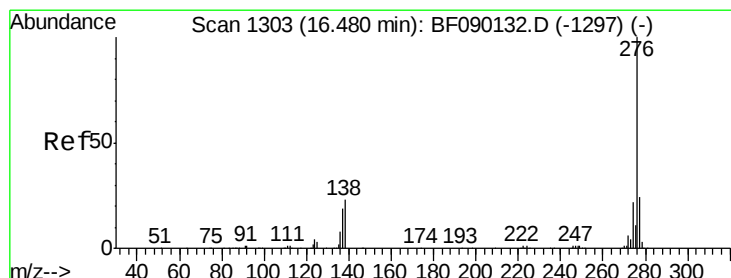
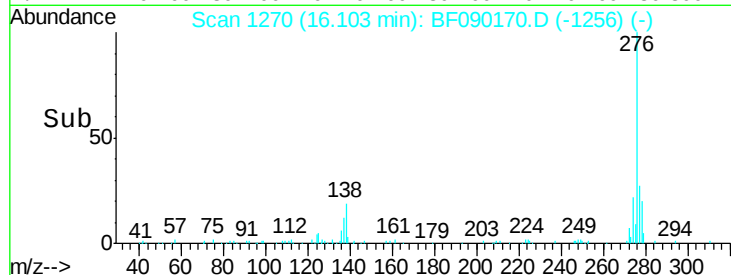
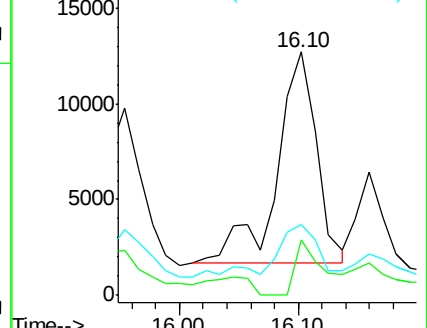
279 29.1 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#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

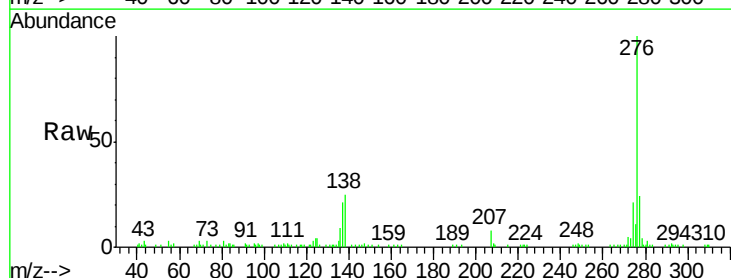
Tgt Ion:276 Resp: 102406

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 25.0 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

