

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
 Data File : BF090171.D
 Acq On : 21 Sep 2016 20:46
 Operator : UM/SJ
 Sample : H4856-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-2-0.5-2FT

Quant Time: Sep 22 03:39:44 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

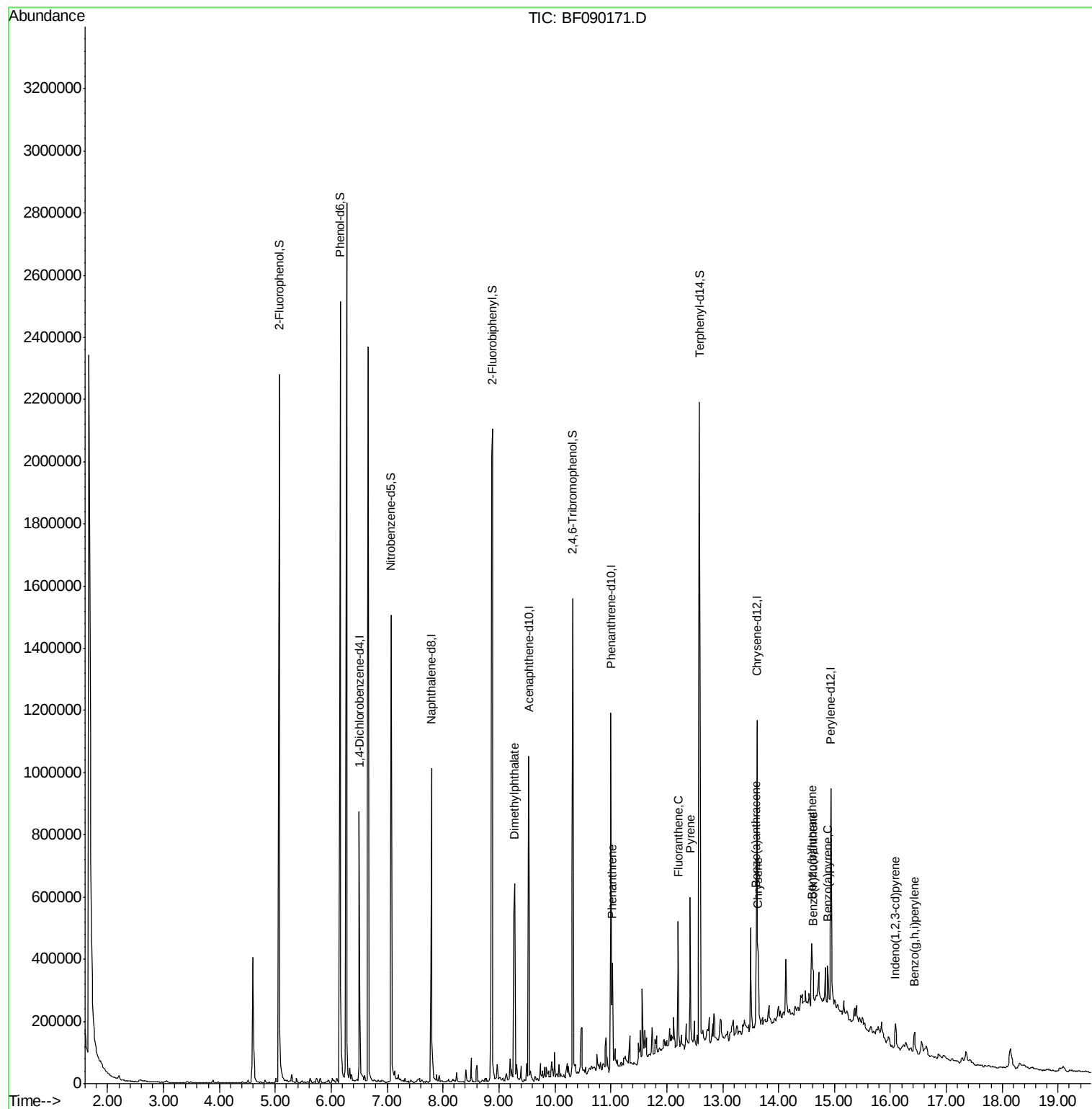
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	148331	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	521224	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	253321	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	479761	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	331717	20.00	ng	-0.02
86) Perylene-d12	14.94	264	296425	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	910914	100.10	ng	0.00
7) Phenol-d6	6.16	99	1130146	100.56	ng	-0.01
23) Nitrobenzene-d5	7.07	82	610990	67.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	218073	100.34	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	1117010	86.57	ng	-0.01
78) Terphenyl-d14	12.58	244	865610	66.25	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	418501	25.94	ng	99
70) Phenanthrene	11.03	178	141254	6.30	ng	97
74) Fluoranthene	12.21	202	212186	8.81	ng	91
77) Pyrene	12.42	202	189403	8.34	ng	98
80) Benzo(a)anthracene	13.60	228	87873	4.92	ng	92
82) Chrysene	13.63	228	72707m	4.18	ng	
85) Indeno(1,2,3-cd)pyrene	16.09	276	47888	3.41	ng	95
87) Benzo(b)fluoranthene	14.59	252	92197m	5.62	ng	
88) Benzo(k)fluoranthene	14.62	252	37709m	2.45	ng	
89) Benzo(a)pyrene	14.88	252	68956	4.47	ng	# 87
91) Benzo(g,h,i)perylene	16.43	276	49554	4.20	ng	94

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

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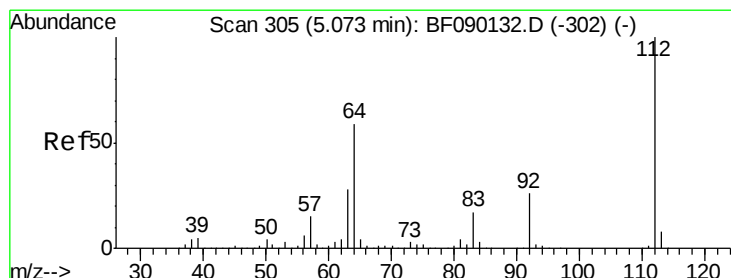
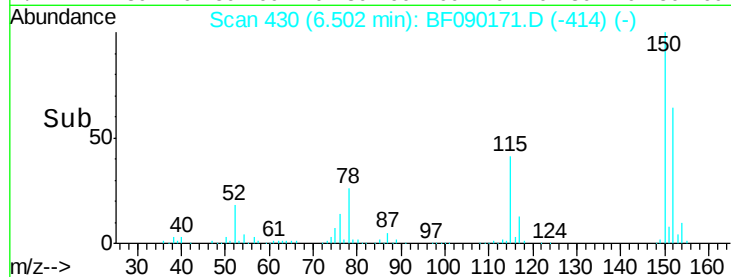
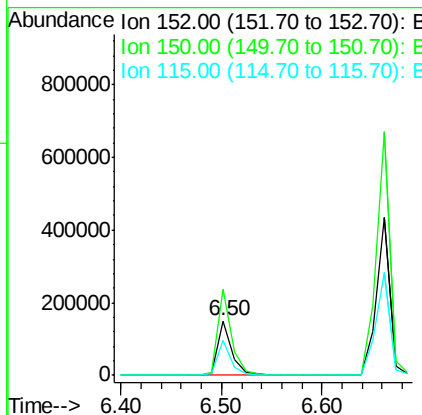
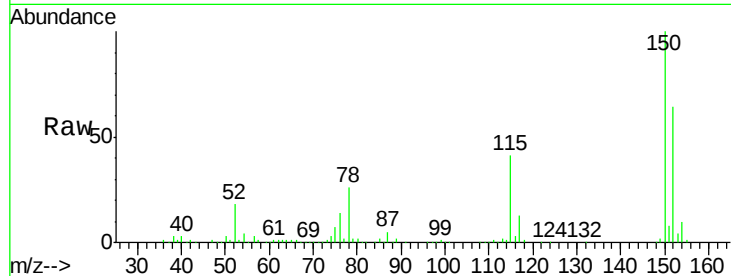


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

Instrument :
BNA_F
ClientSampleId :
BH-2-0.5-2FT

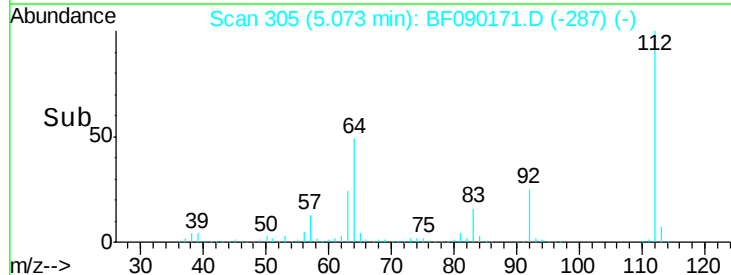
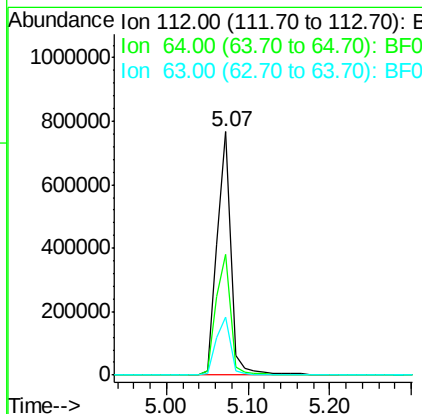
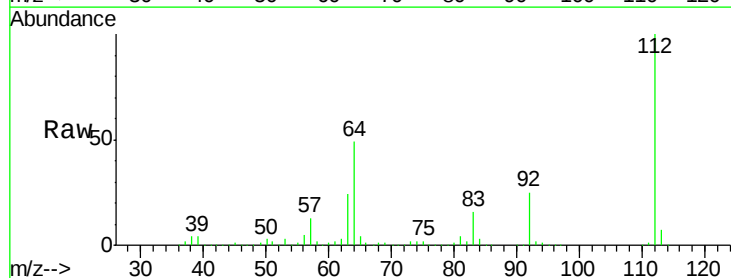
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	128.9	193.3
115	63.8	55.5	83.3



#5

2-Fluorophenol
Concen: 100.10 ng
RT: 5.07 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	39.8	59.6
63	24.0	18.9	28.3





#7

Phenol-d6

Concen: 100.56 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

Instrument :

BNA_F

ClientSampleId :

BH-2-0.5-2FT

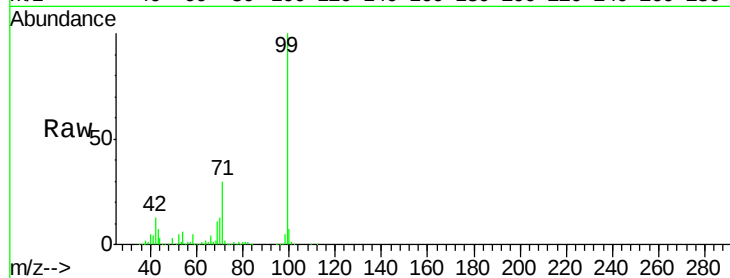
Tot Ion: 99 Resp: 1130146

Ion Ratio Lower Upper

99 100

42 13.0 10.6 15.8

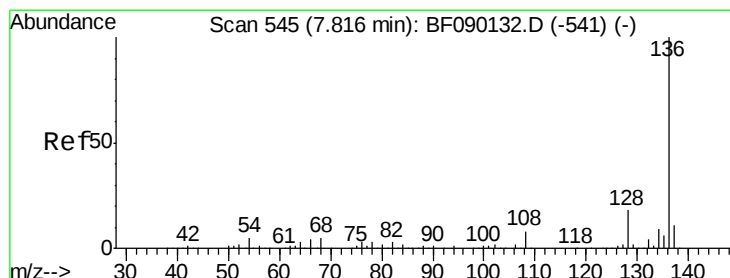
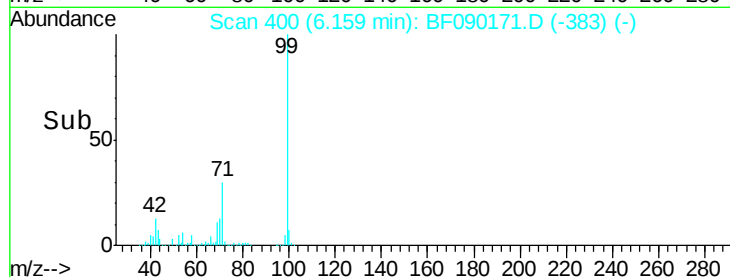
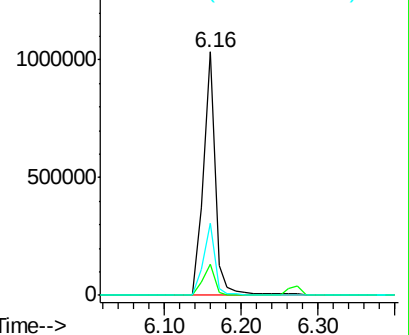
71 29.6 23.0 34.6



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: BF090171.D

Acq: 21 Sep 2016 20:46

Tgt Ion: 136 Resp: 521224

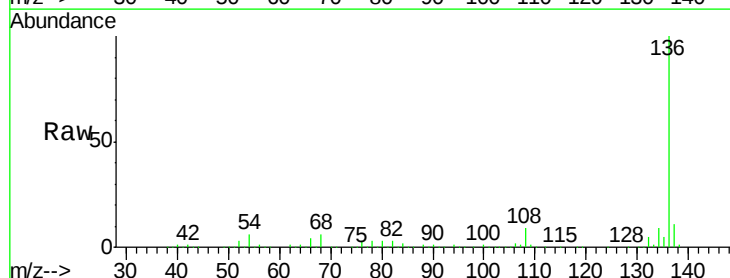
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 5.8 6.4 9.6#

68 5.8 6.3 9.5#

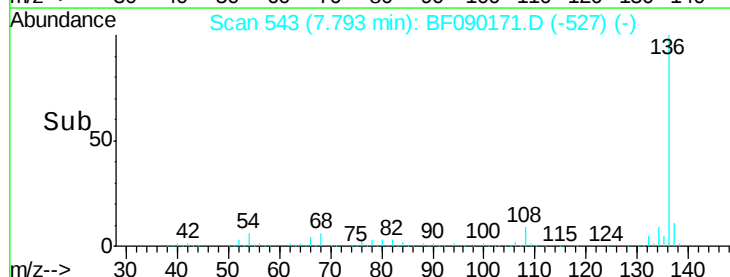
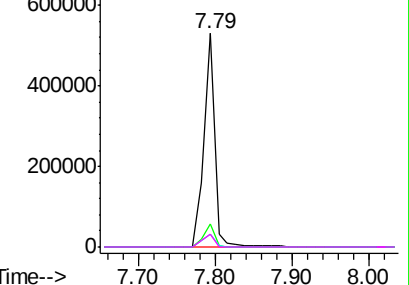


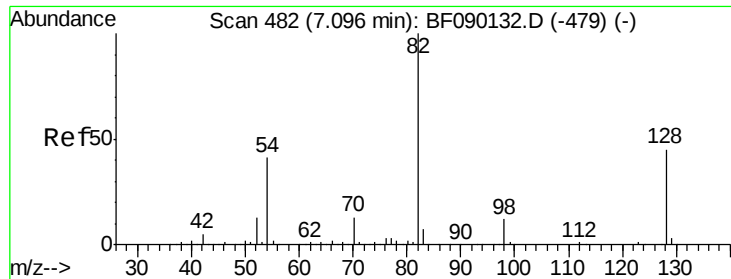
Abundance Ion 136.00 (135.70 to 136.70): E

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

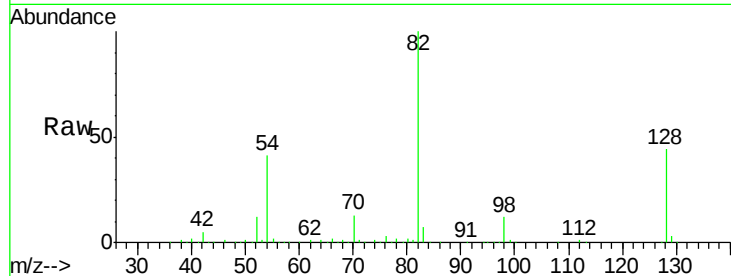




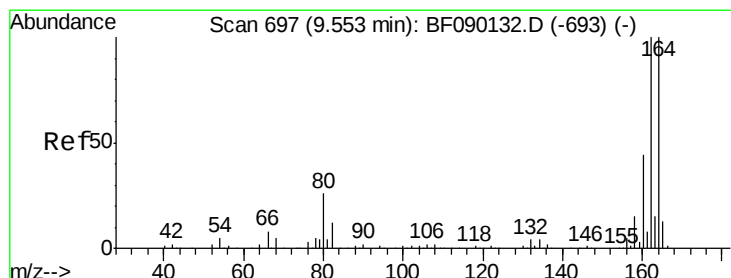
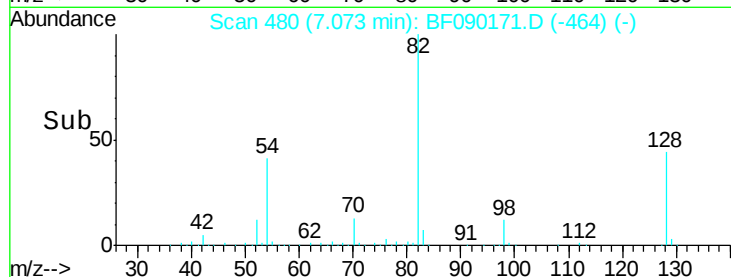
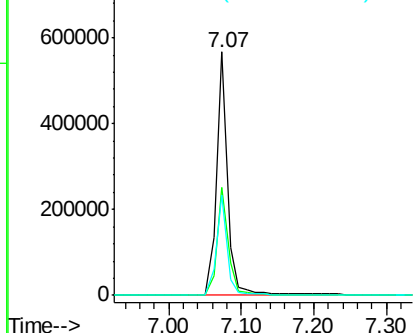
#23
 Nitrobenzene-d5
 Concen: 67.95 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

Instrument :
 BNA_F
 ClientSampleId :
 BH-2-0.5-2FT

Tot Ion: 82 Resp: 610990
 Ion Ratio Lower Upper
 82 100
 128 44.3 37.5 56.3
 54 41.1 31.9 47.9

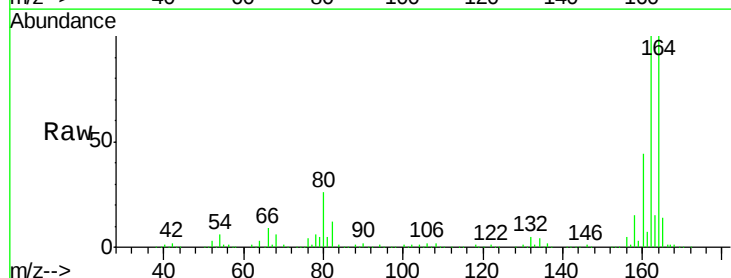


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

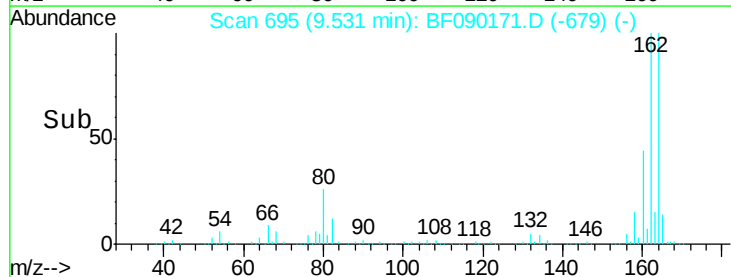
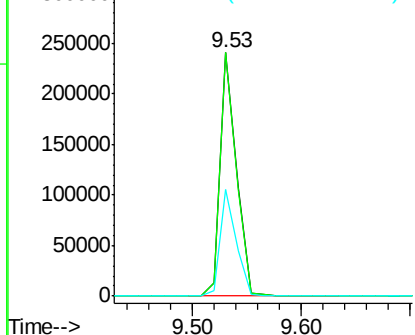


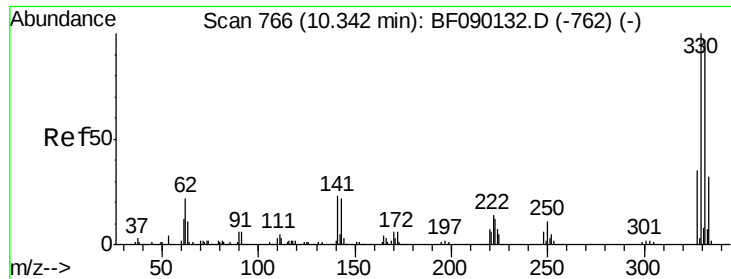
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

Tgt Ion: 164 Resp: 253321
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.2
 160 43.7 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

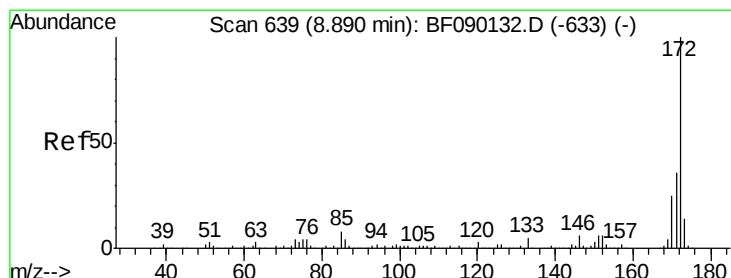
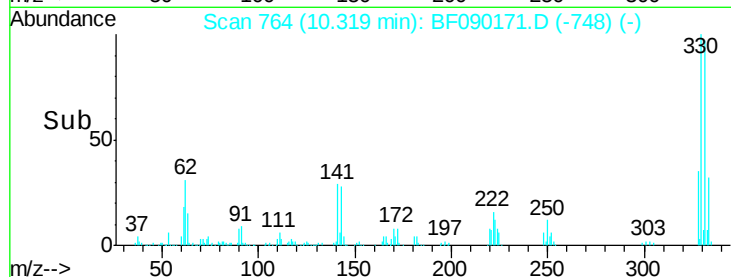
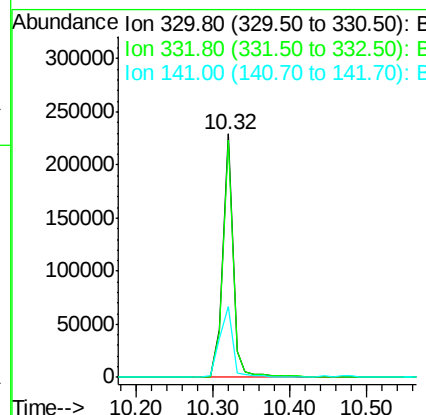
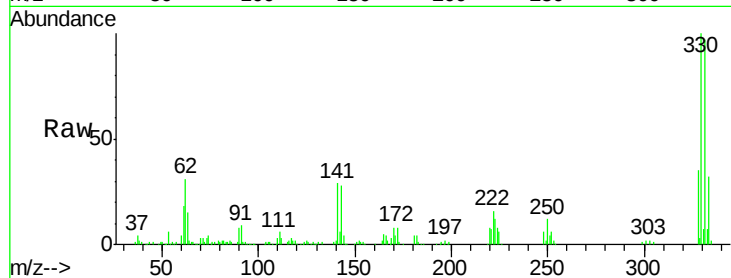




#41
 2,4,6-Tribromophenol
 Concen: 100.34 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

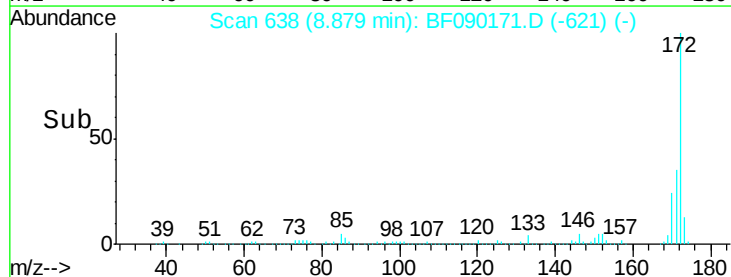
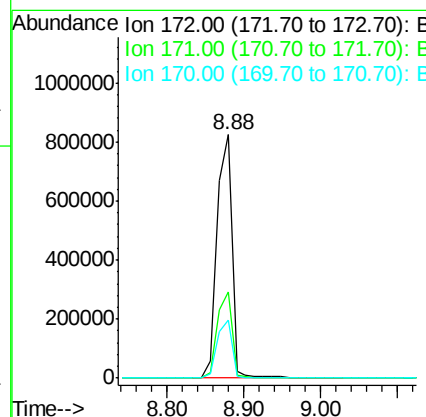
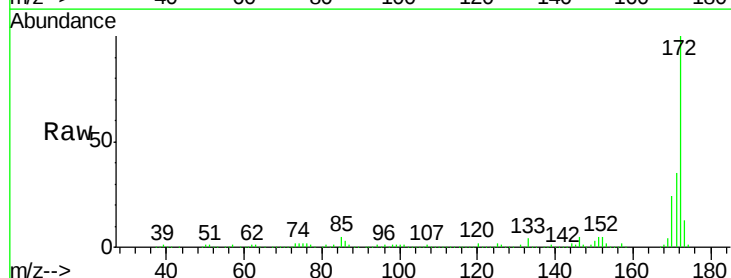
Instrument :
 BNA_F
 ClientSampleId :
 BH-2-0.5-2FT

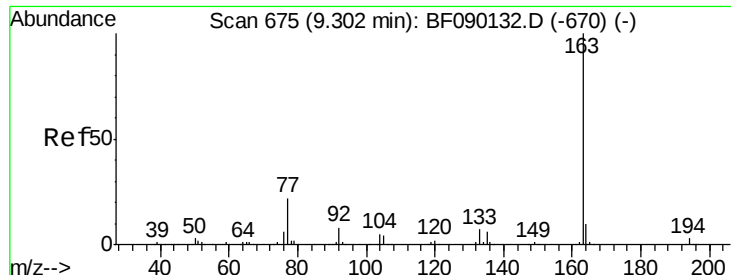
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.1	117.1
141	36.1	23.9	35.9#



#44
 2-Fluorobiphenyl
 Concen: 86.57 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.2	43.8
170	23.7	19.8	29.8

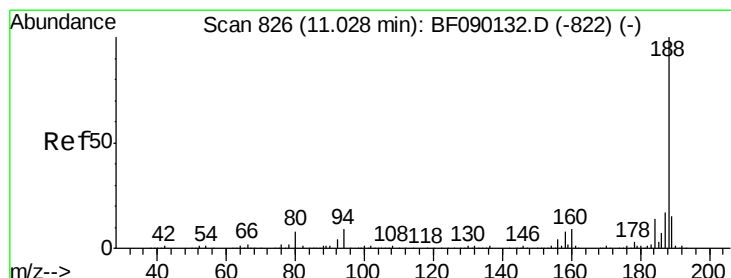
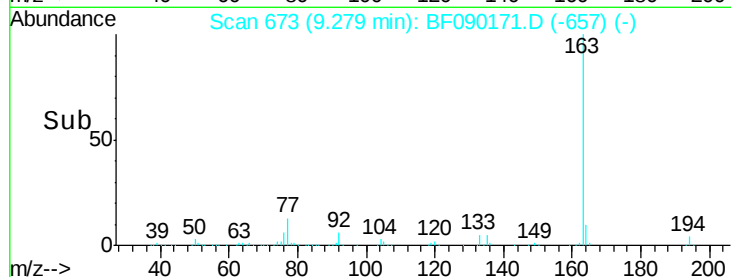
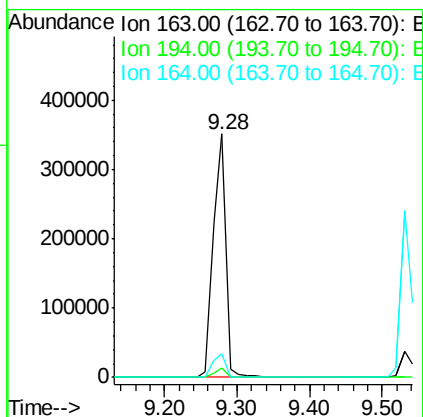
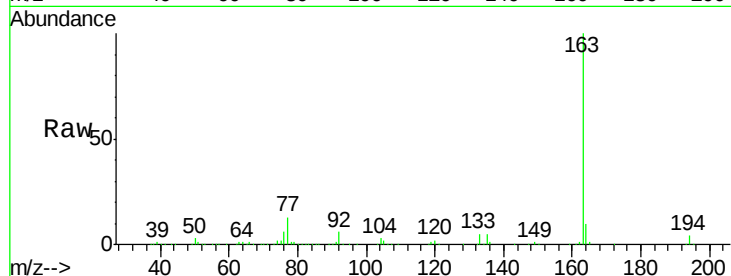




#49
Dimethylphthalate
Concen: 25.94 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

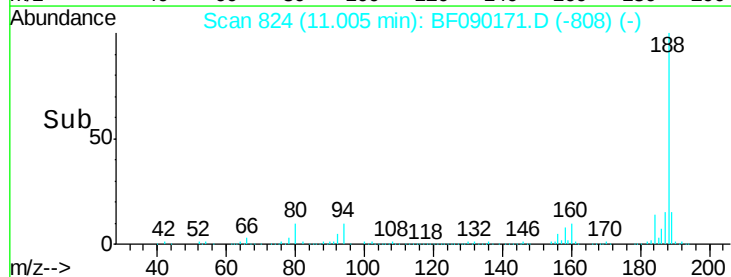
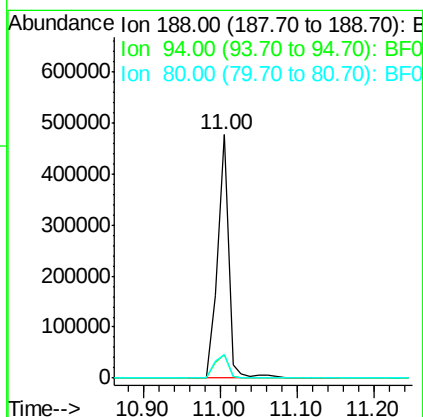
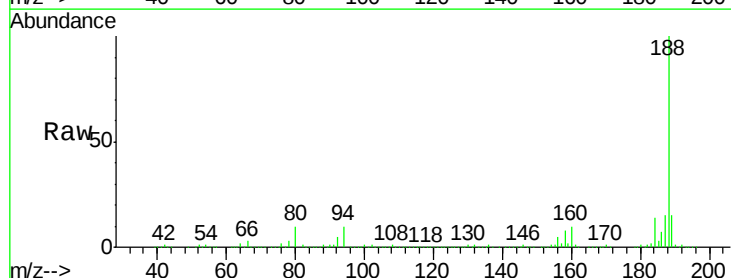
Instrument :
BNA_F
ClientSampleId :
BH-2-0.5-2FT

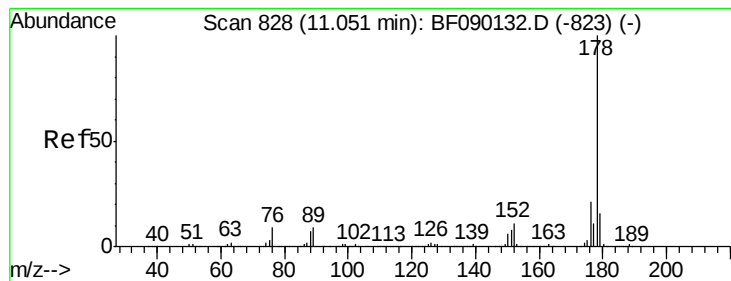
Tot Ion:163 Resp: 418501
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.5 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

Tgt Ion:188 Resp: 479761
Ion Ratio Lower Upper
188 100
94 9.6 10.5 15.7#
80 9.5 11.2 16.8#





#70

Phenanthrene

Concen: 6.30 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

Instrument :

BNA_F

ClientSampleId :

BH-2-0.5-2FT

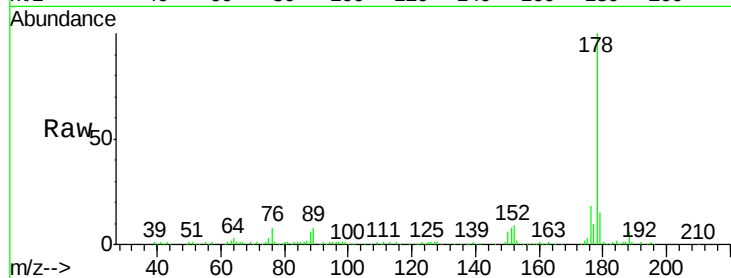
Tot Ion:178 Resp: 141254

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

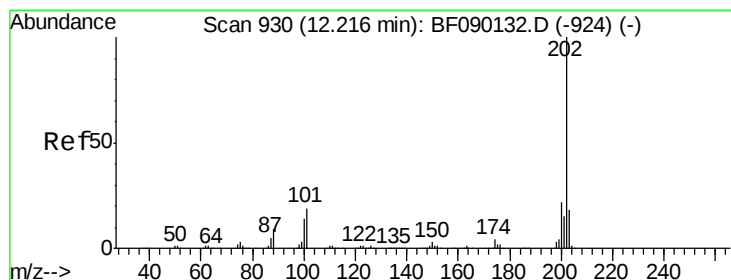
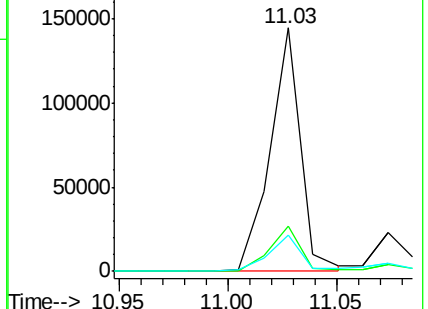
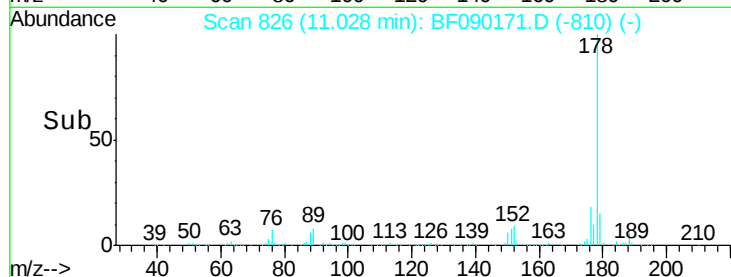
179 14.9 12.9 19.3



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: 8.81 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

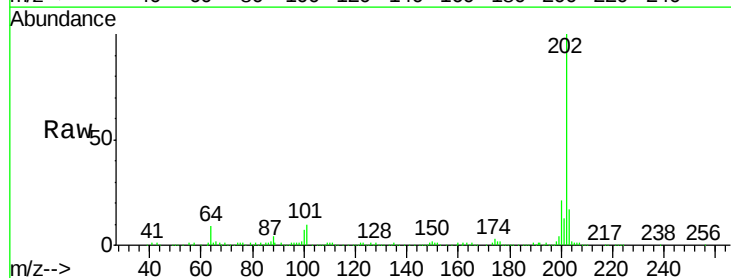
Tgt Ion:202 Resp: 212186

Ion Ratio Lower Upper

202 100

101 9.7 0.0 36.1

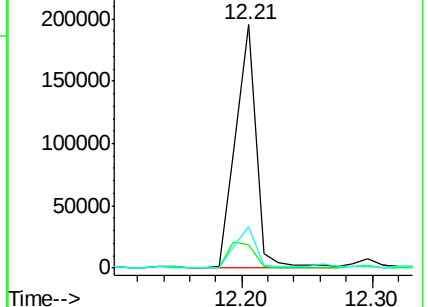
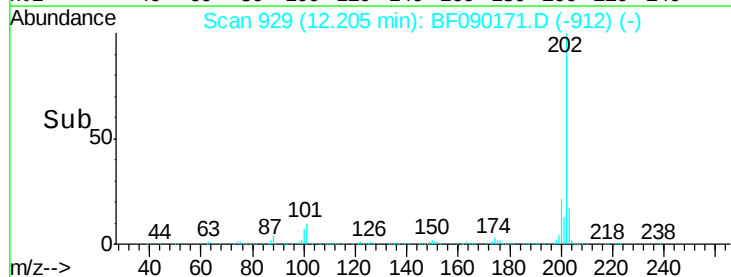
203 16.9 0.0 38.2

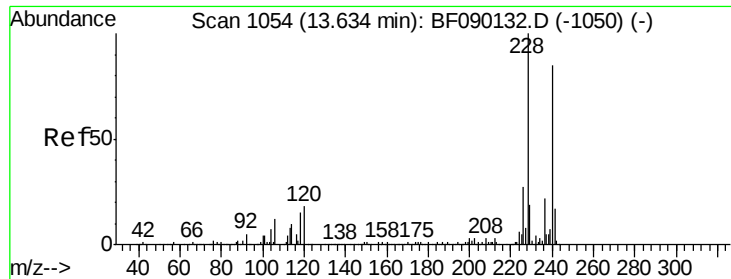


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF090171.D

Acq: 21 Sep 2016 20:46

Instrument :

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ClientSampleId :

BH-2-0.5-2FT

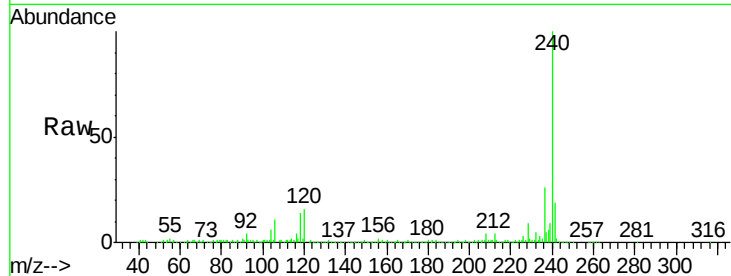
Tot Ion:240 Resp: 331717

Ion Ratio Lower Upper

240 100

120 16.5 10.6 16.0#

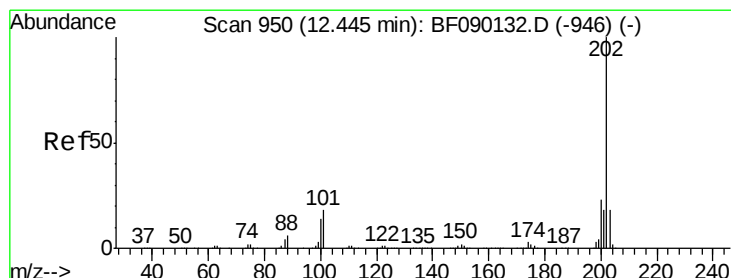
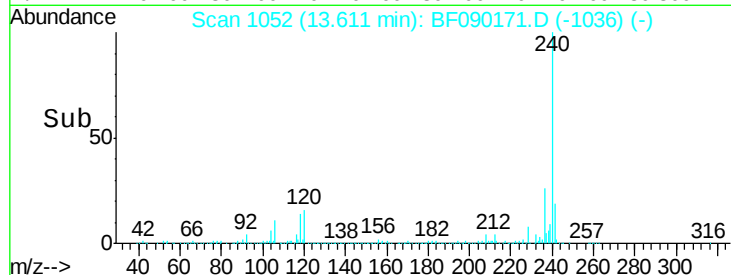
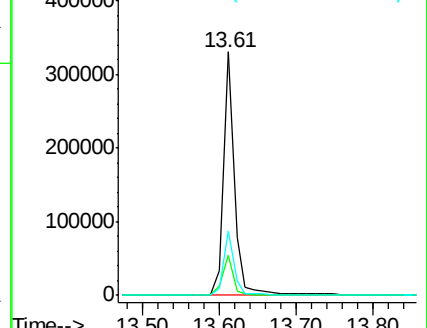
236 26.4 21.6 32.4



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: 8.34 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

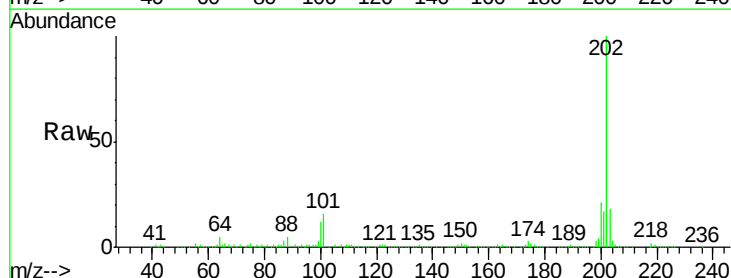
Tgt Ion:202 Resp: 189403

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

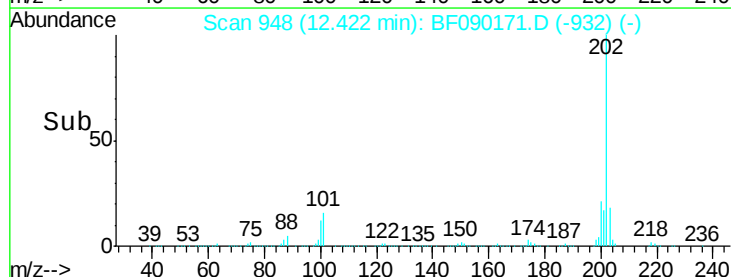
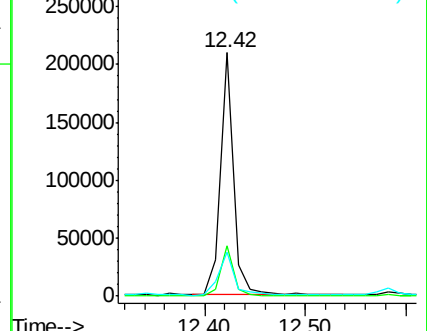
203 18.2 14.2 21.4

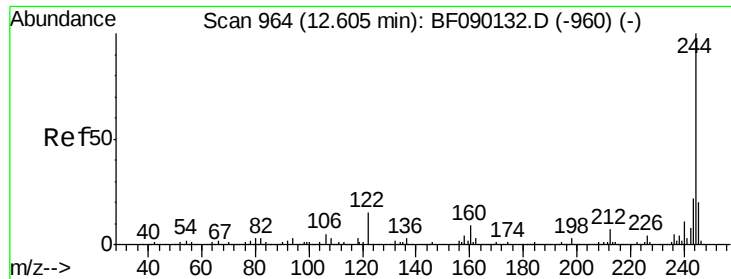


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

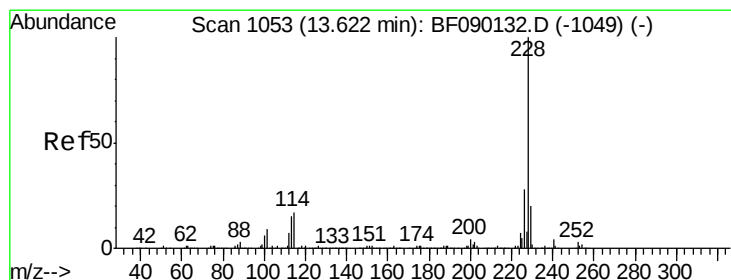
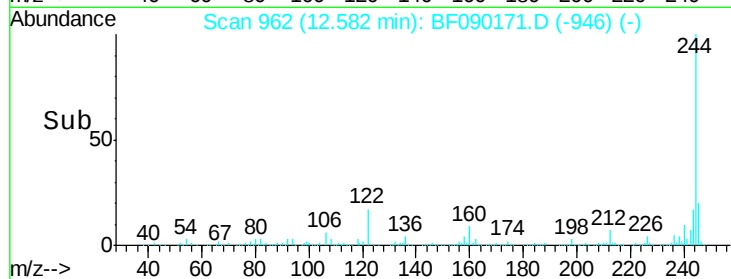
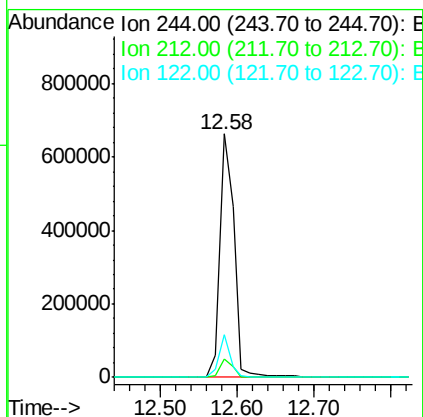
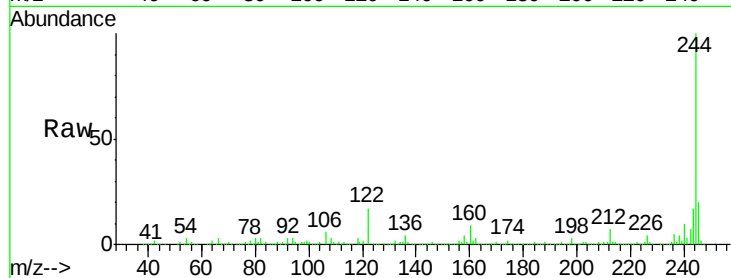




#78
 Terphenyl-d14
 Concen: 66.25 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

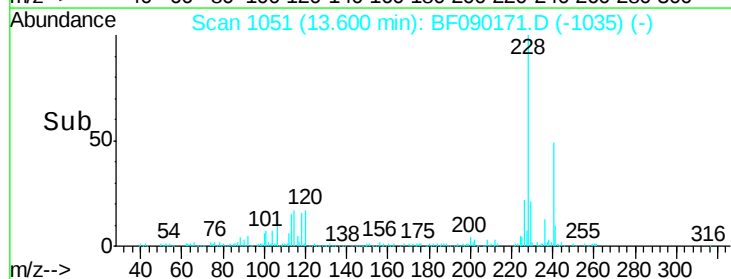
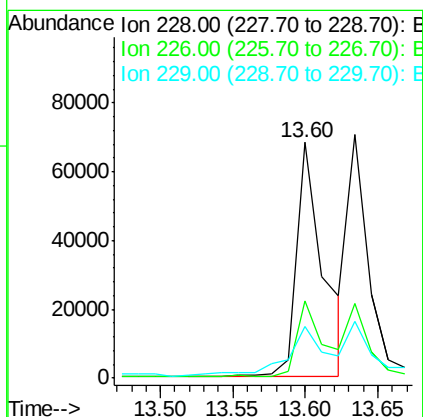
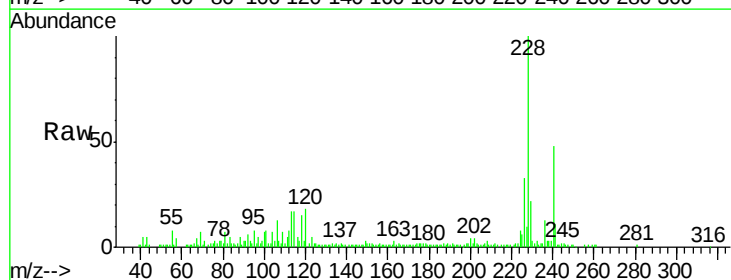
Instrument :
 BNA_F
 ClientSampleId :
 BH-2-0.5-2FT

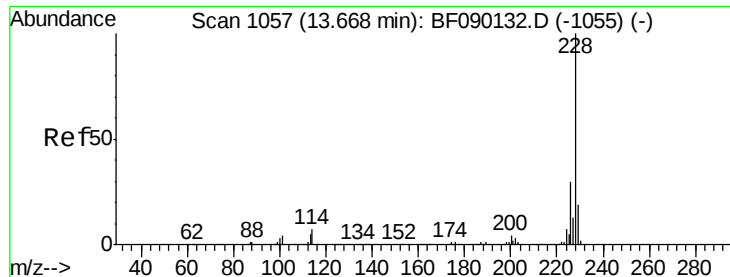
Tot Ion:244 Resp: 865610
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 17.4 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 4.92 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF090171.D
 Acq: 21 Sep 2016 20:46

Tgt Ion:228 Resp: 87873
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.0 33.0
 229 22.0 16.2 24.2





#82

Chrysene

Concen: 4.18 ng/mL

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

Instrument:

BNA_F

ClientSampleID:

BH-2-0.5-2FT

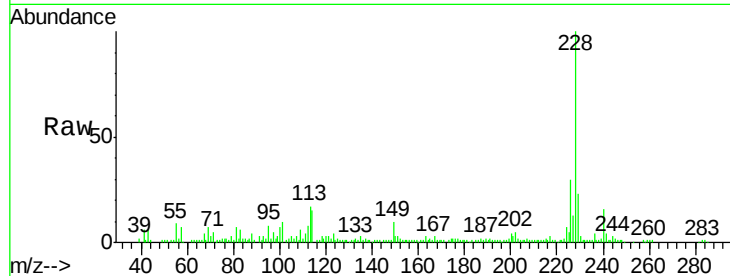
Tot Ion: 228 Resp: 72707

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

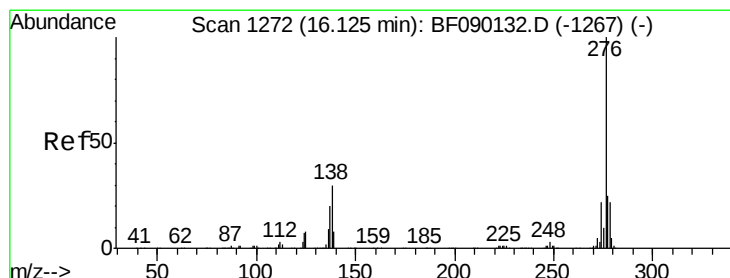
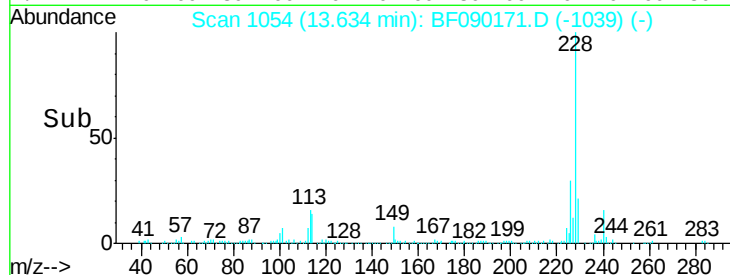
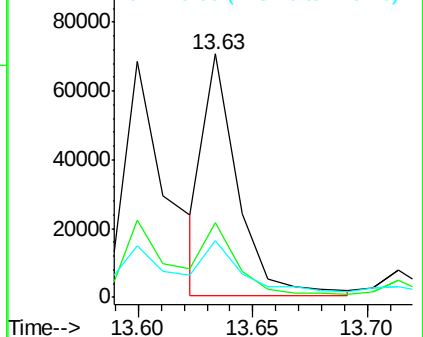
229 23.4 16.2 24.4



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: 3.41 ng/mL

RT: 16.09 min Scan# 1269

Delta R.T. -0.03 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

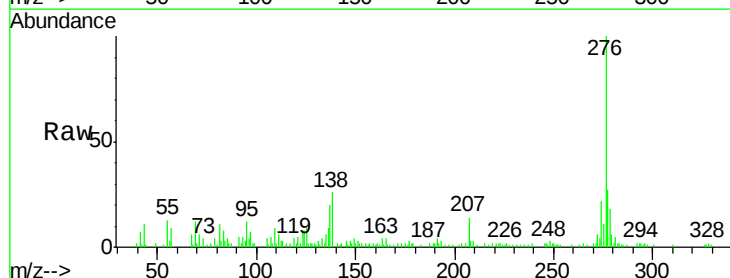
Tgt Ion: 276 Resp: 47888

Ion Ratio Lower Upper

276 100

138 28.1 25.9 38.9

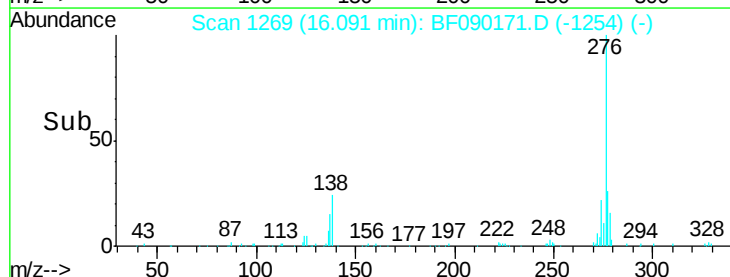
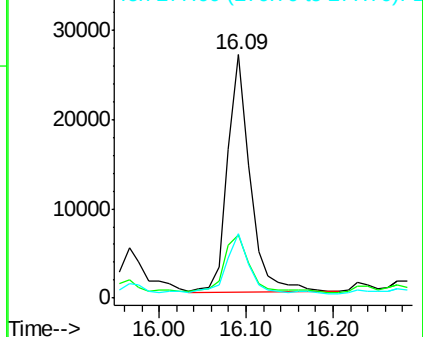
277 24.4 19.9 29.9

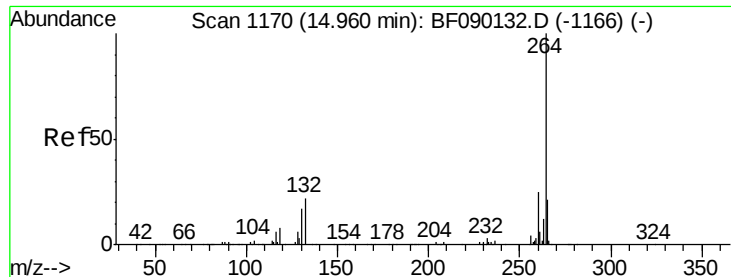


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

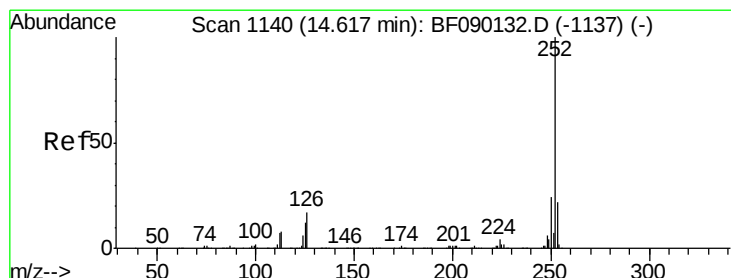
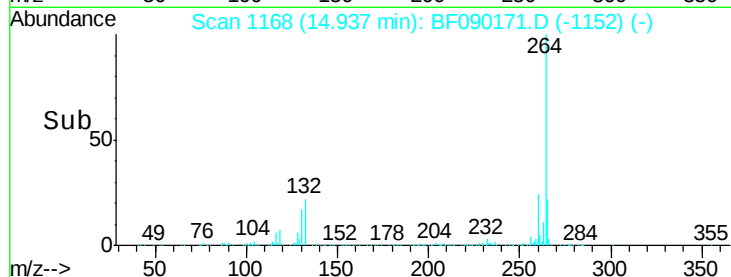
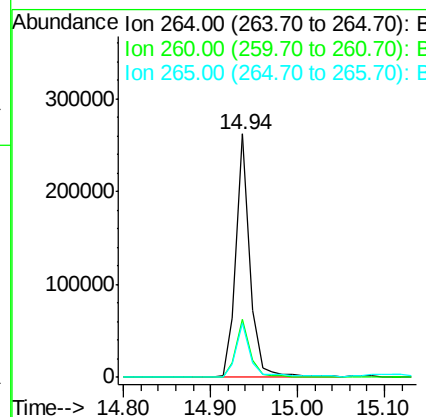
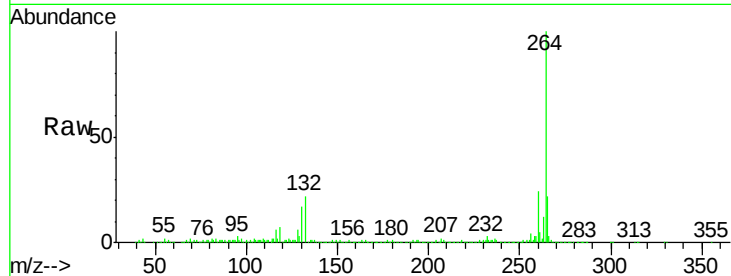




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

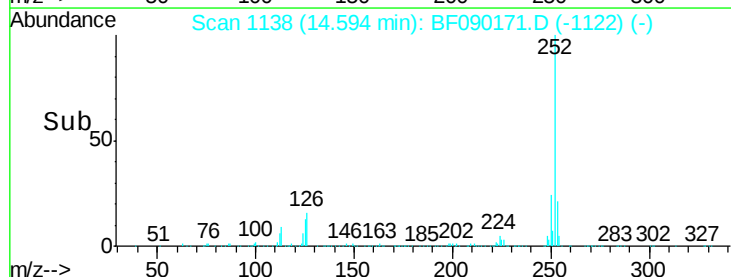
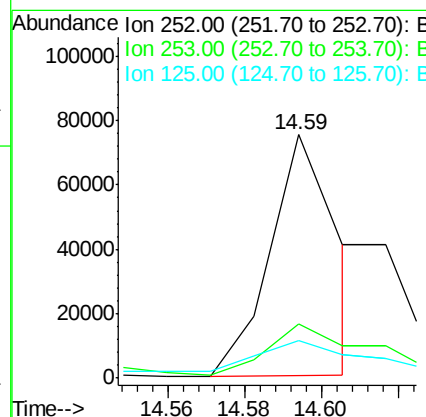
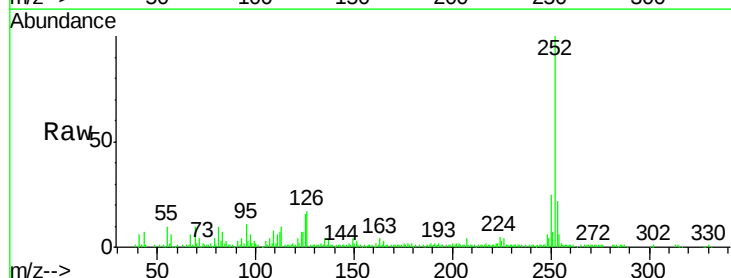
Instrument :
BNA_F
ClientSampleId :
BH-2-0.5-2FT

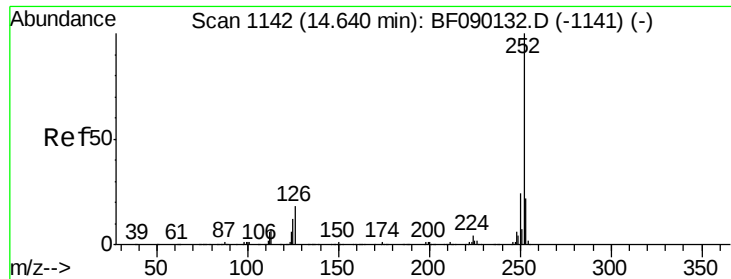
Tot Ion:264 Resp: 296425
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.2 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 5.62 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

Tgt Ion:252 Resp: 92197
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 15.6 12.7 19.1

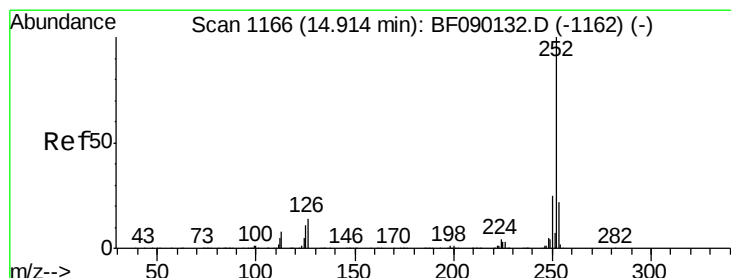
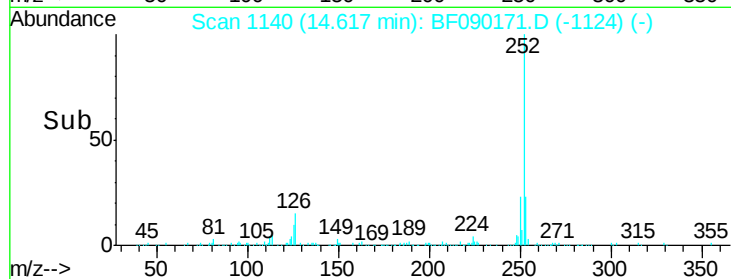
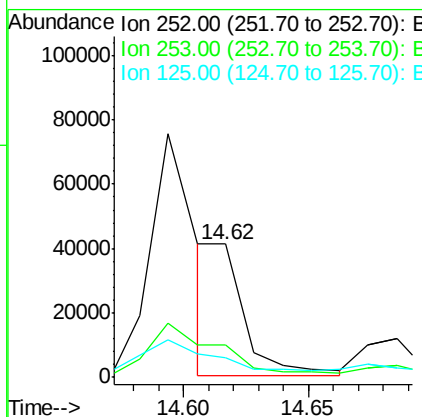
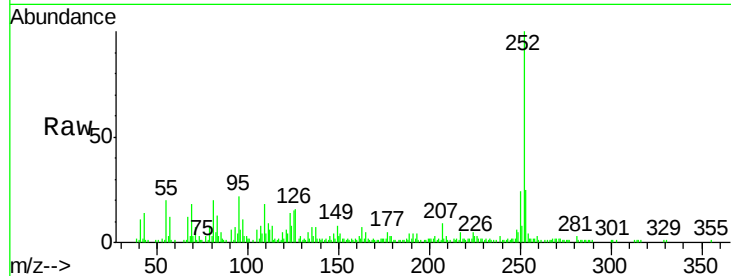




#88
Benzo(k)fluoranthene
Concen: 2.45 ng m
RT: 14.62 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

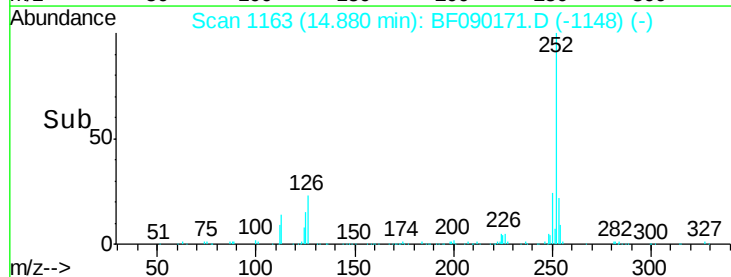
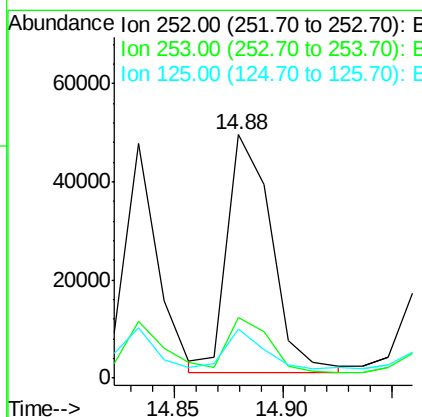
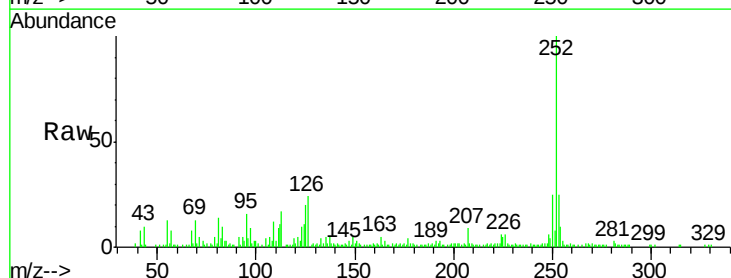
Instrument :
BNA_F
ClientSampleId :
BH-2-0.5-2FT

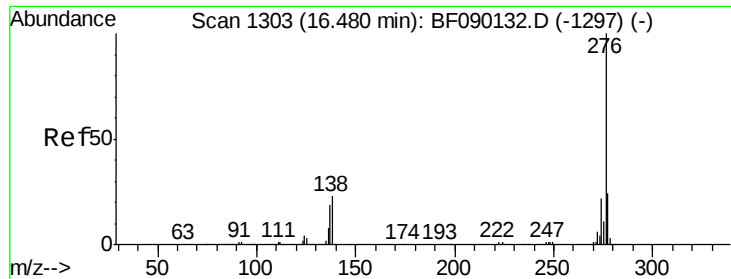
Tot Ion:252 Resp: 37709
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 14.8 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 4.47 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF090171.D
Acq: 21 Sep 2016 20:46

Tgt Ion:252 Resp: 68956
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 20.0 7.7 11.5#





#91

Benzo(a,h,i)perylene

Concen: 4.20 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.05 min

Lab File: BF090171.D

Acq: 21 Sep 2016 20:46

Instrument :

BNA_F

ClientSampleId :

BH-2-0.5-2FT

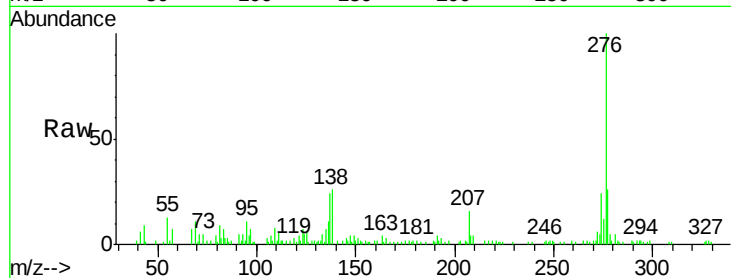
Tot Ion: 276 Resp: 49554

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 25.7 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

