

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092116\
 Data File : BF090174.D
 Acq On : 21 Sep 2016 22:12
 Operator : UM/SJ
 Sample : H4856-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

Quant Time: Sep 22 01:56:27 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

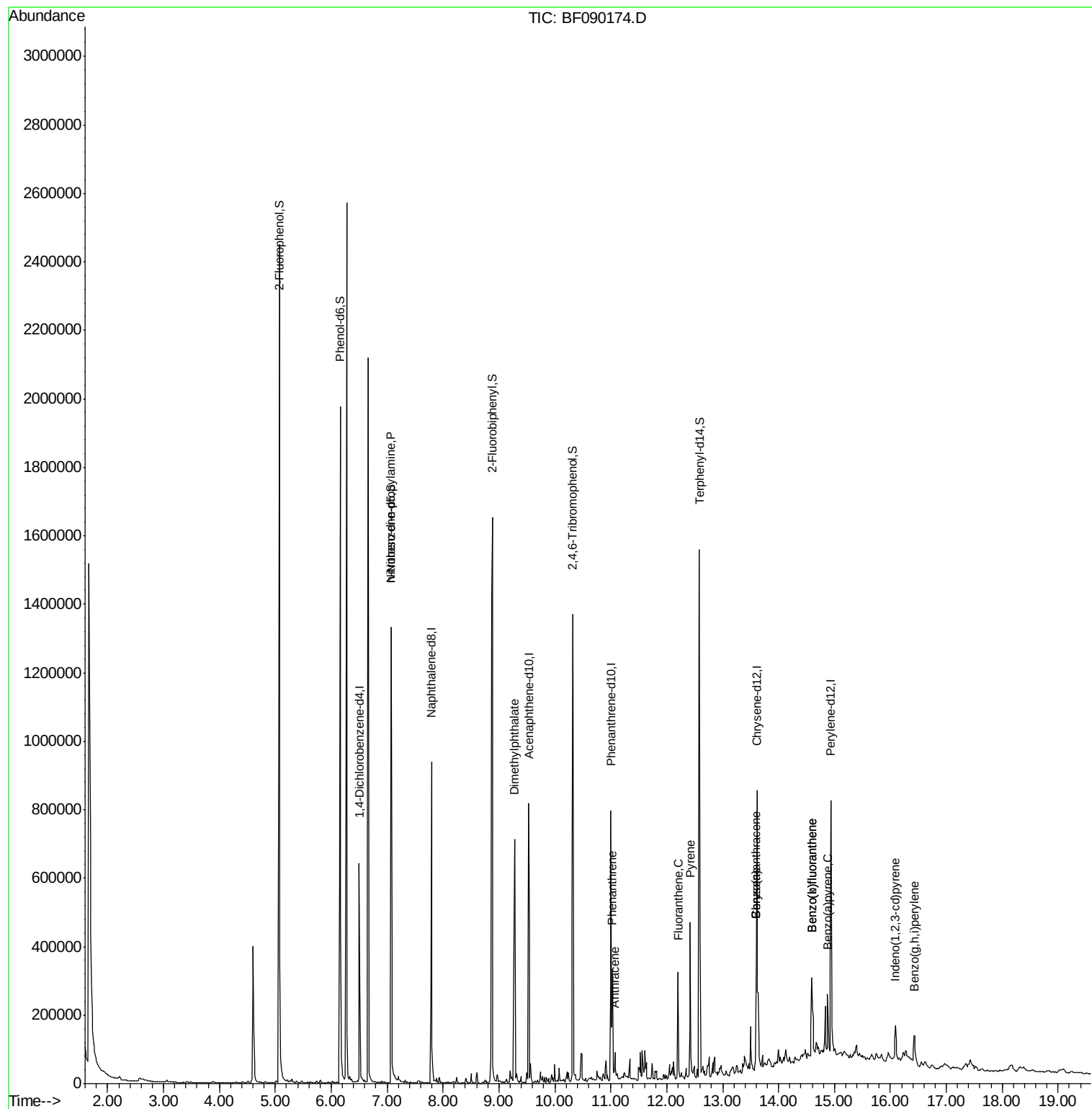
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	119653	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	463179	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	218897	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	322344	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	260034	20.00	ng	-0.02
86) Perylene-d12	14.94	264	298881	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	877574	119.55	ng	0.00
7) Phenol-d6	6.16	99	925110	102.05	ng	-0.01
23) Nitrobenzene-d5	7.07	82	556297	69.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	188050	100.14	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	824481	73.94	ng	-0.01
78) Terphenyl-d14	12.58	244	493830	48.22	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.07	70	61188	11.49	ng	Qvalue # 81
49) Dimethylphthalate	9.28	163	394686	28.31	ng	99
70) Phenanthrene	11.03	178	133805	8.88	ng	97
71) Anthracene	11.07	178	38843	2.46	ng	95
74) Fluoranthene	12.21	202	183499	11.34	ng	91
77) Pyrene	12.42	202	171586	9.64	ng	98
80) Benzo(a)anthracene	13.60	228	90850	6.49	ng	95
82) Chrysene	13.60	228	90850	6.67	ng	98
85) Indeno(1,2,3-cd)pyrene	16.09	276	60324	5.47	ng	95
87) Benzo(b)fluoranthene	14.59	252	142421	8.61	ng	99
88) Benzo(k)fluoranthene	14.59	252	142421	9.17	ng	# 95
89) Benzo(a)pyrene	14.88	252	81338	5.22	ng	# 89
91) Benzo(g,h,i)perylene	16.43	276	57951	4.87	ng	97

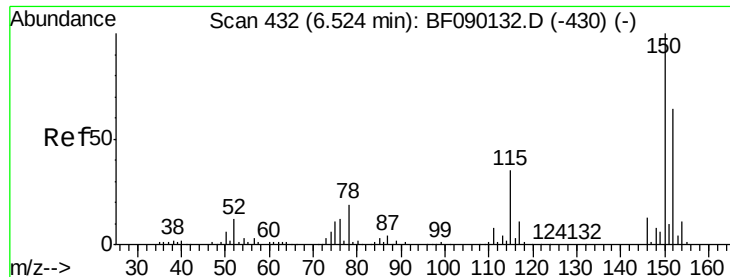
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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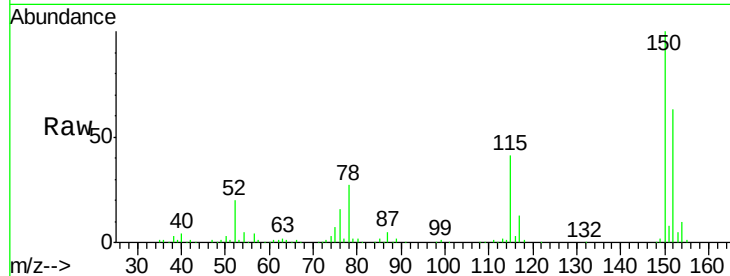


#1

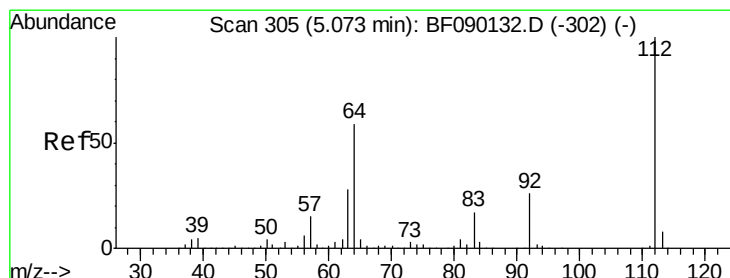
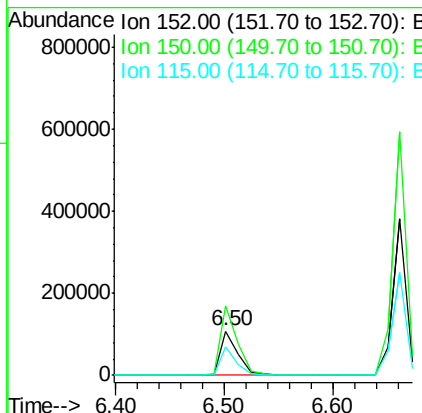
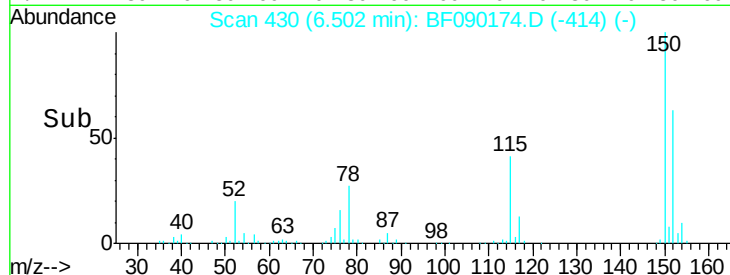
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Instrument :
BNA_F
ClientSampleId :
BH-10-3-4FT

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	128.9	193.3
115	65.5	55.5	83.3



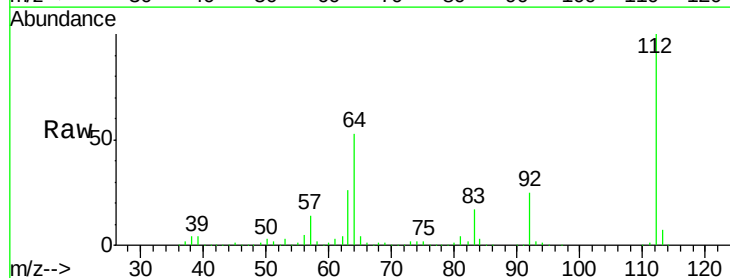
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



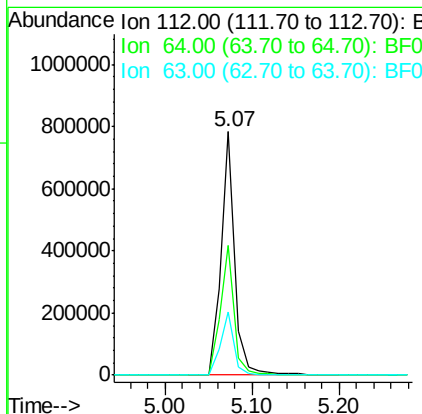
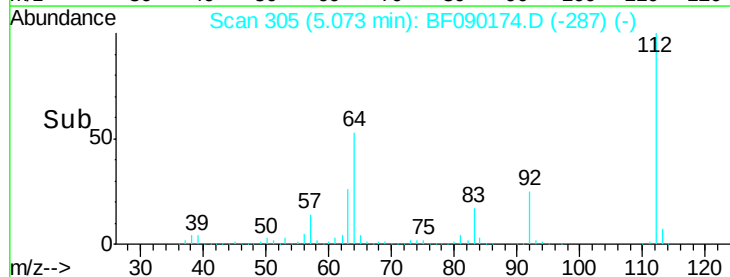
#5

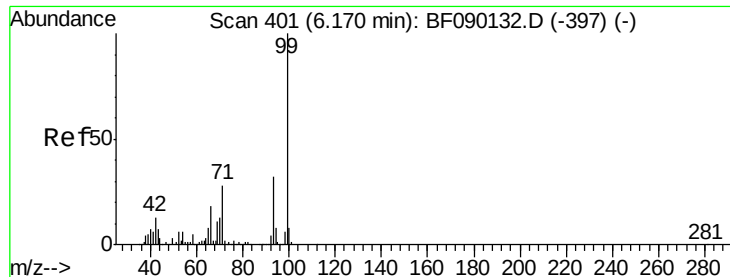
2-Fluorophenol
Concen: 119.55 ng
RT: 5.07 min Scan# 305
Delta R.T. 0.00 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	39.8	59.6
63	26.1	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: 102.05 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampled :

BH-10-3-4FT

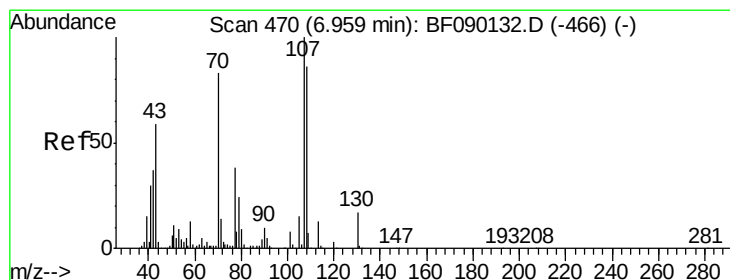
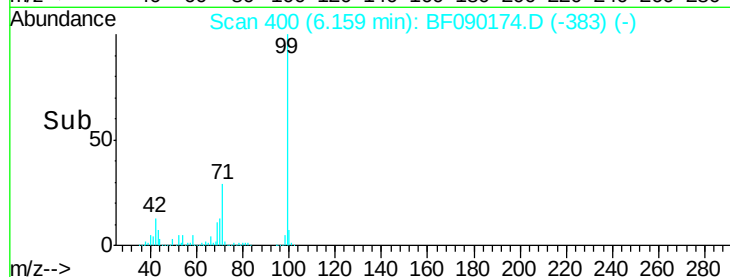
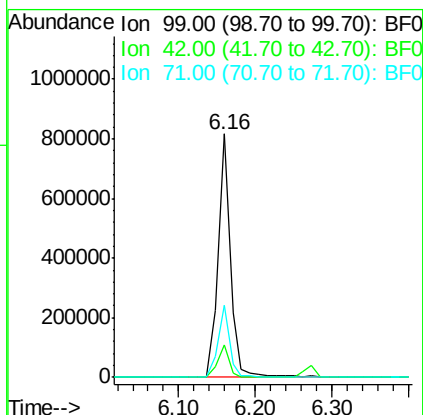
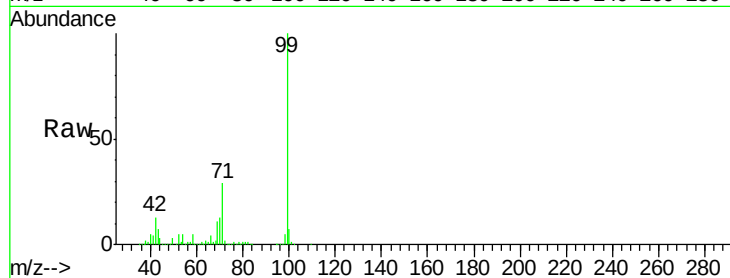
Tgt Ion: 99 Resp: 925110

Ion Ratio Lower Upper

99 100

42 13.1 10.6 15.8

71 29.5 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.49 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Tgt Ion: 70 Resp: 61188

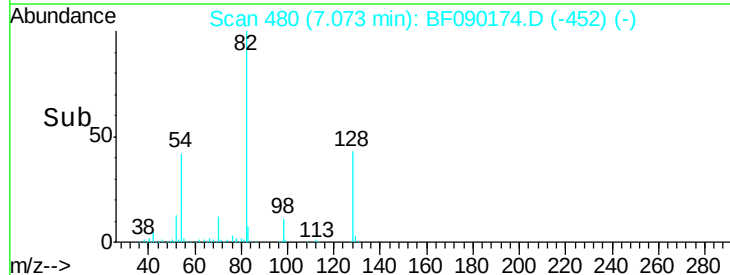
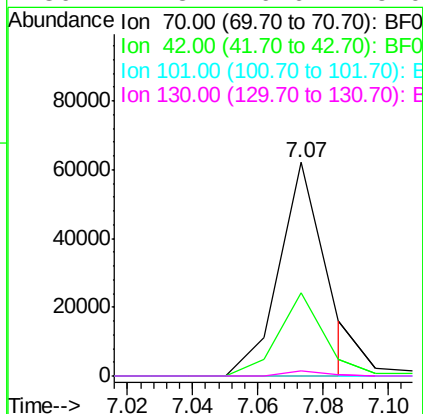
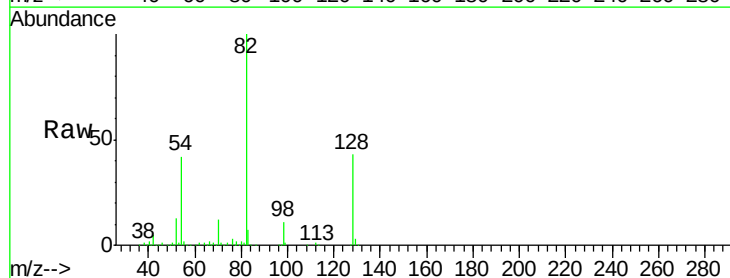
Ion Ratio Lower Upper

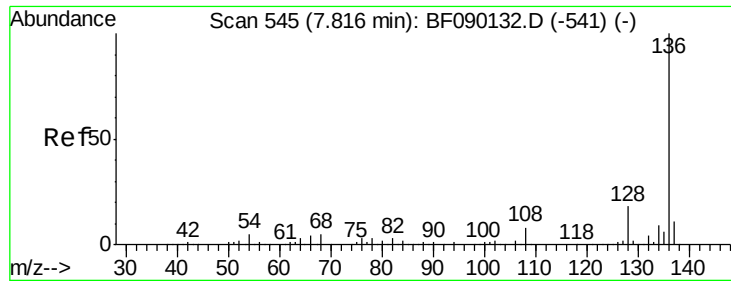
70 100

42 38.8 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

Tgt Ion:136 Resp: 463179

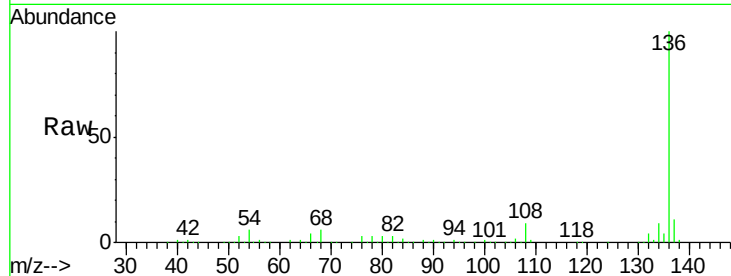
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.2 6.4 9.6#

68 6.2 6.3 9.5#

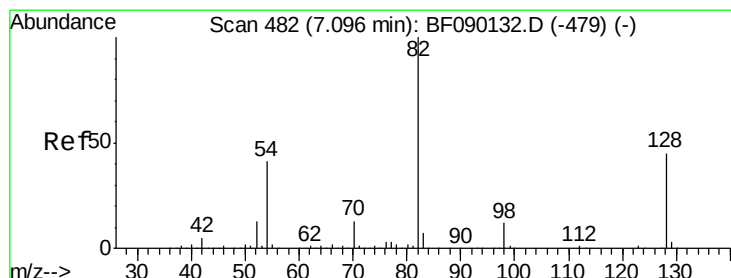
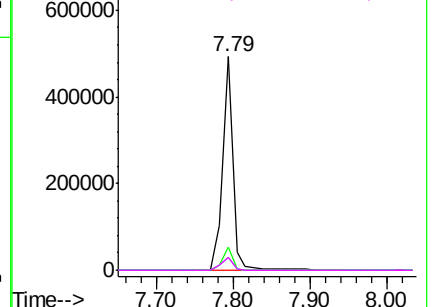
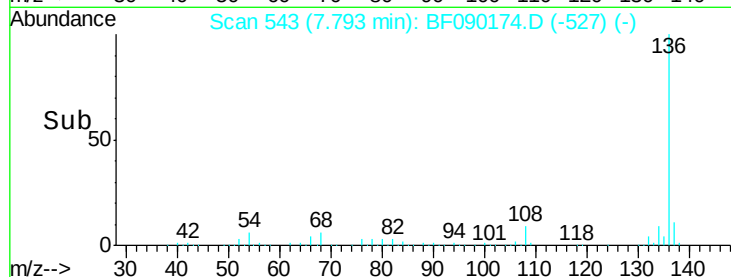


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.62 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

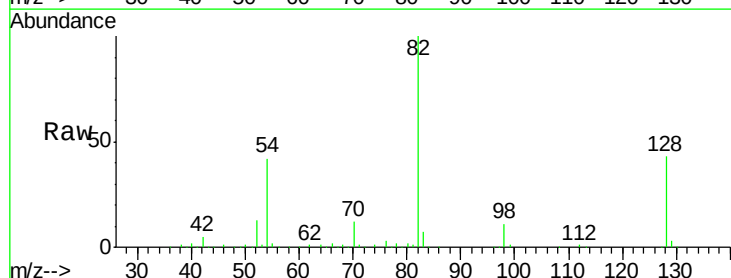
Tgt Ion: 82 Resp: 556297

Ion Ratio Lower Upper

82 100

128 42.9 37.5 56.3

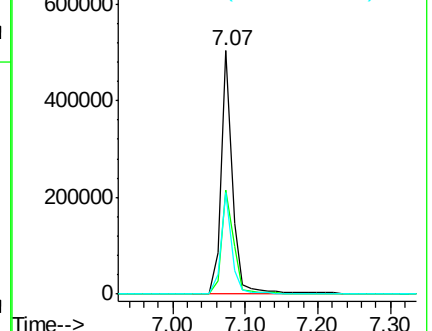
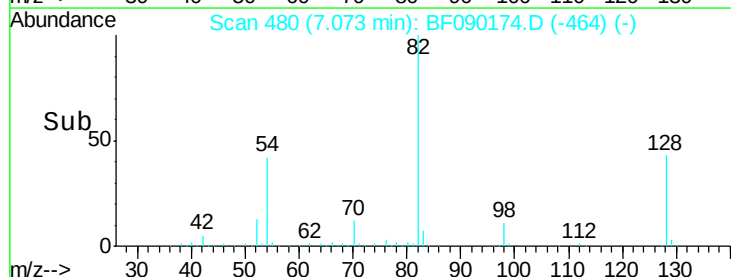
54 41.7 31.9 47.9

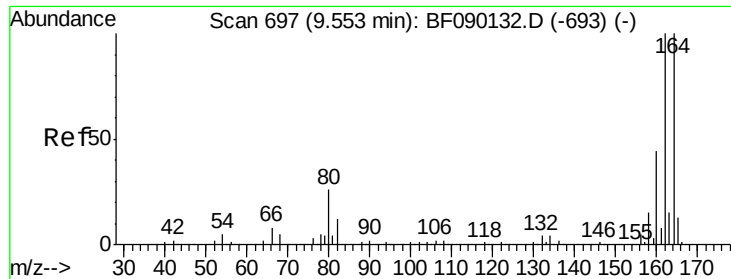


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

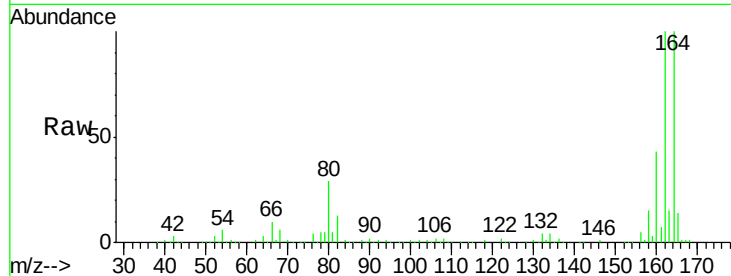




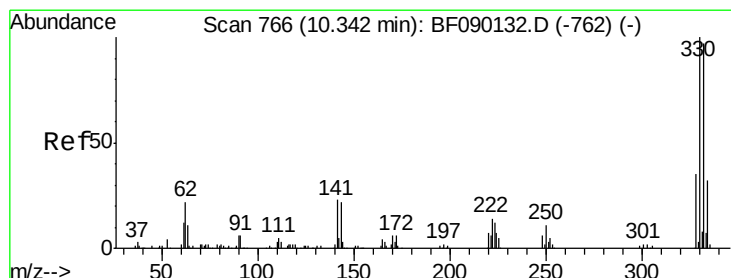
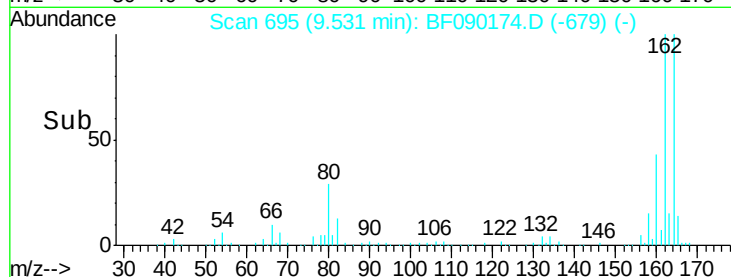
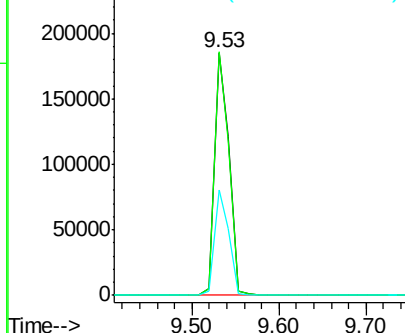
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Instrument :
BNA_F
ClientSampleId :
BH-10-3-4FT

Tgt Ion:164 Resp: 218897
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.2
160 43.6 36.6 54.8

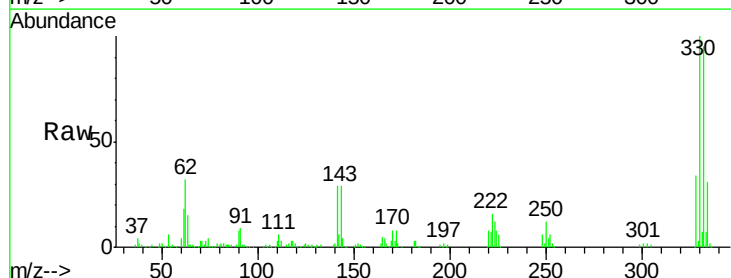


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

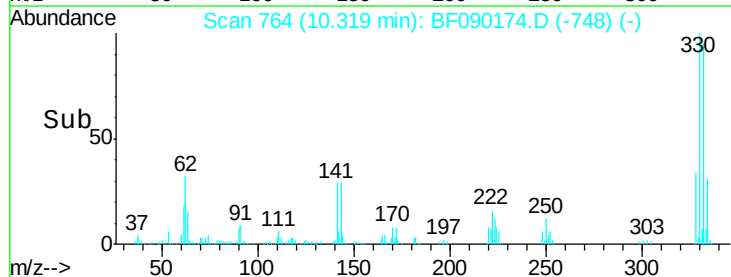
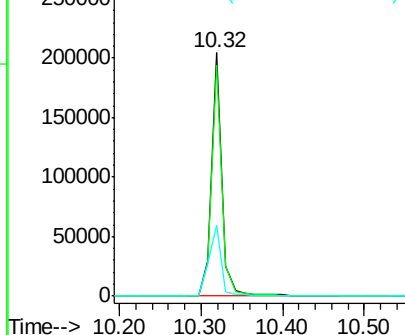


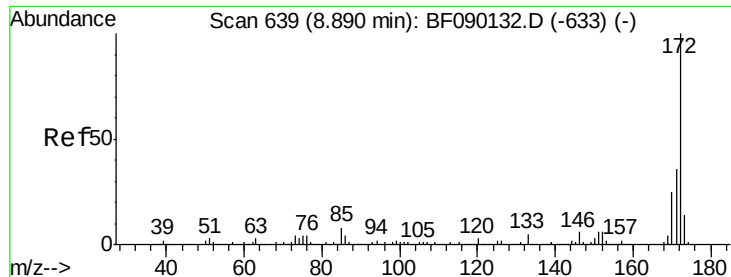
#41
2,4,6-Tribromophenol
Concen: 100.14 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion:330 Resp: 188050
Ion Ratio Lower Upper
330 100
332 94.9 78.1 117.1
141 35.7 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

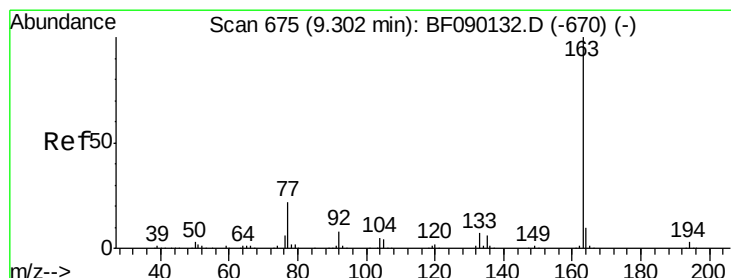
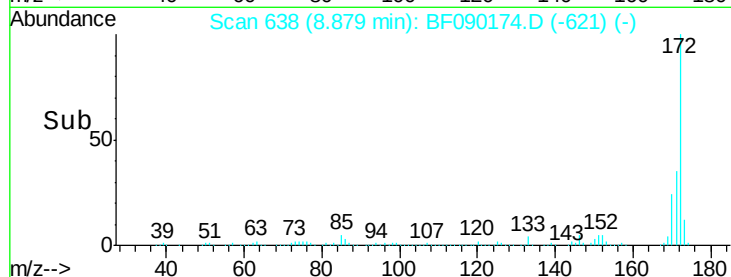
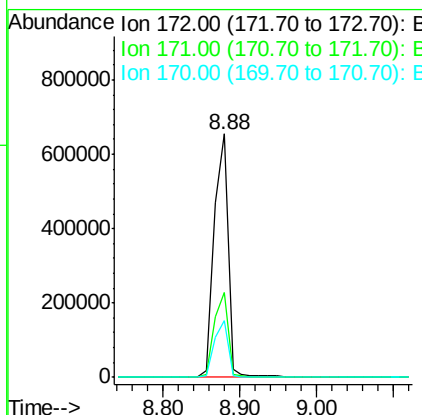
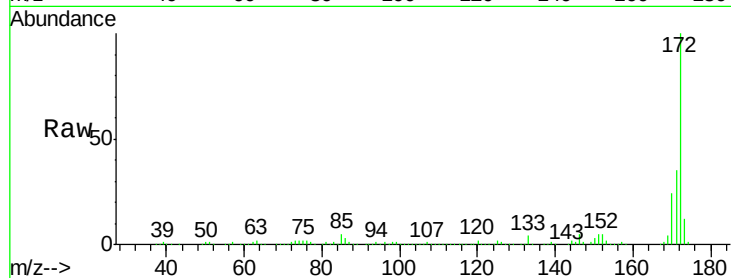




#44
 2-Fluorobiphenyl
 Concen: 73.94 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

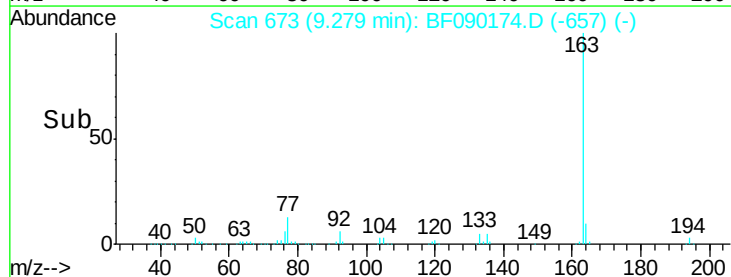
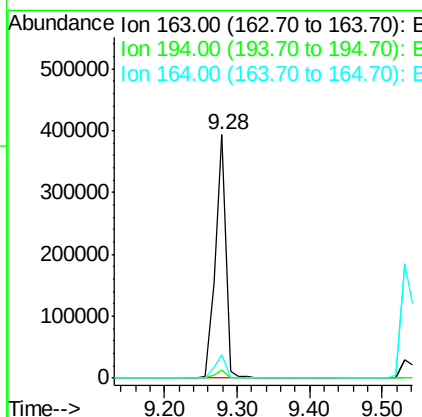
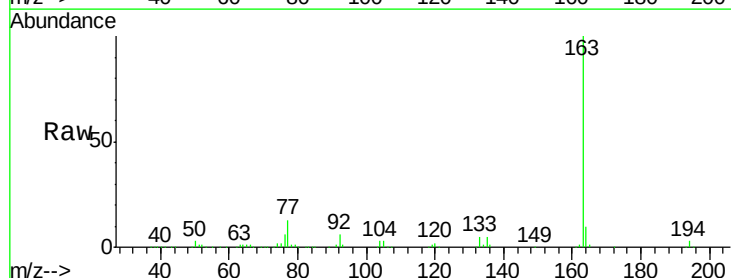
Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

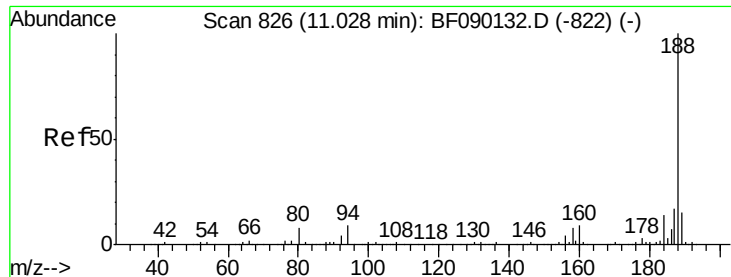
Tgt Ion:172 Resp: 824481
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.2 43.8
 170 23.6 19.8 29.8



#49
 Dimethylphthalate
 Concen: 28.31 ng
 RT: 9.28 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

Tgt Ion:163 Resp: 394686
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.8 8.1 12.1

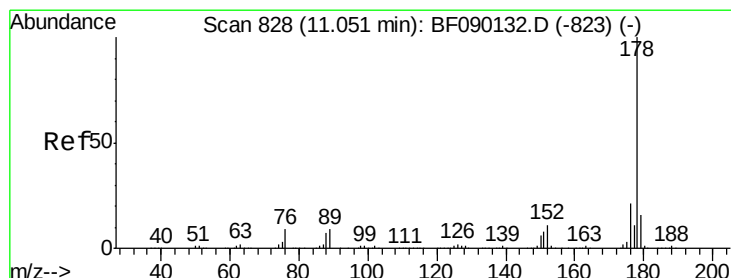
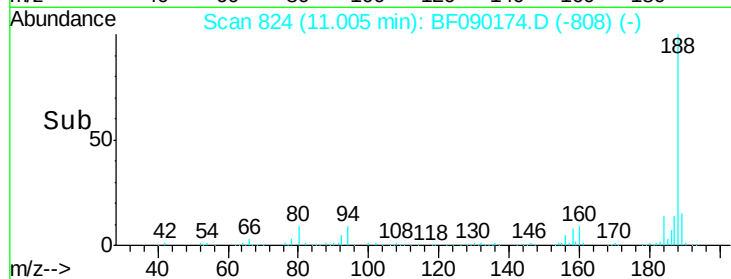
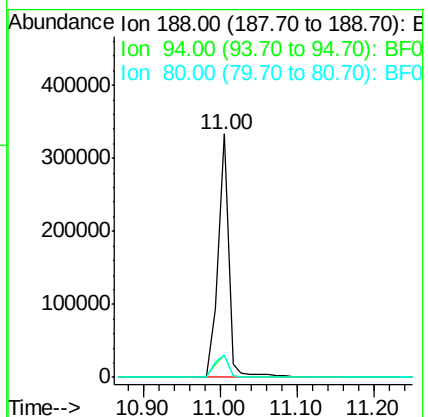
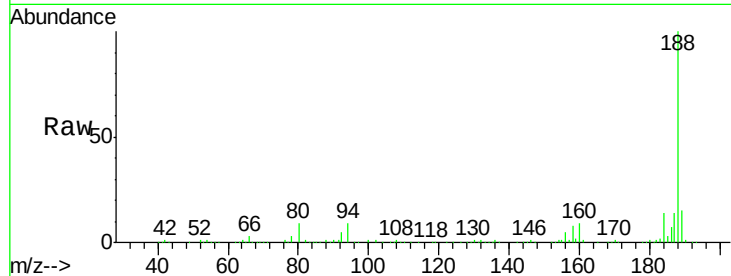




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

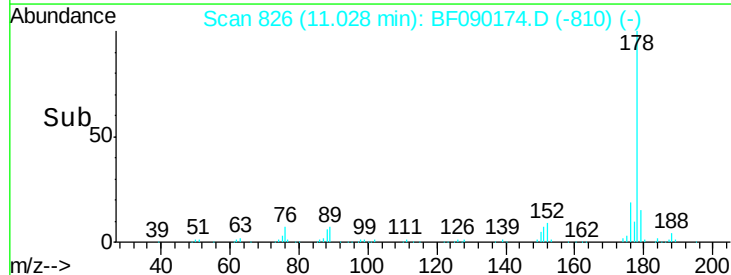
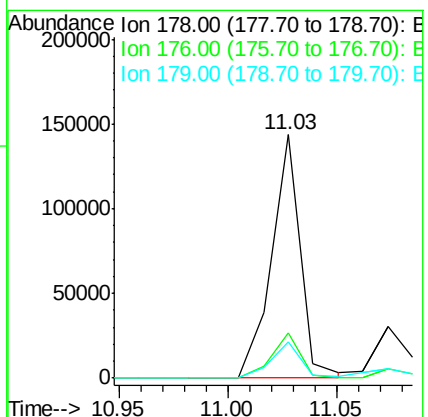
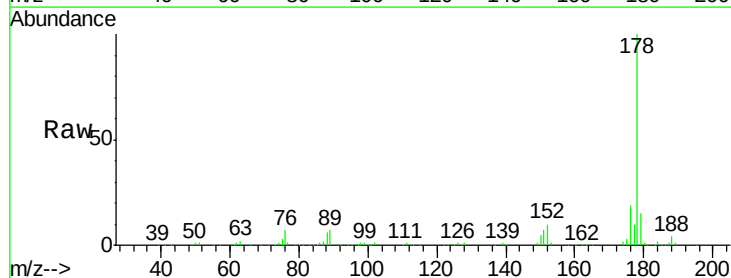
Instrument :
BNA_F
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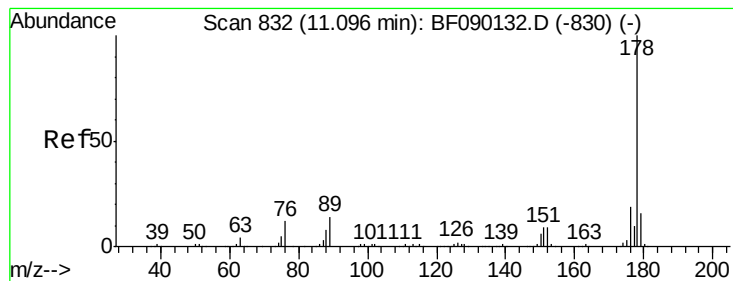
Tgt Ion:188 Resp: 322344
Ion Ratio Lower Upper
188 100
94 9.3 10.5 15.7#
80 9.3 11.2 16.8#



#70
Phenanthrene
Concen: 8.88 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion:178 Resp: 133805
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.7 12.9 19.3





#71

Anthracene

Concen: 2.46 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

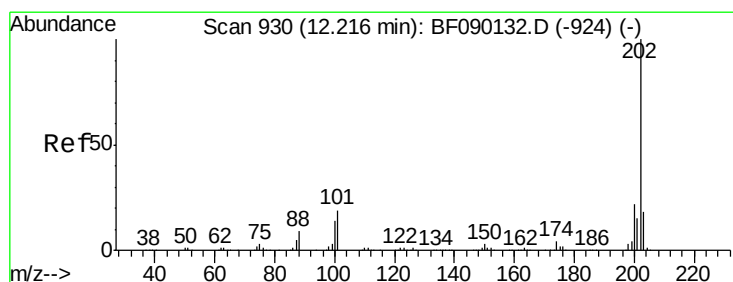
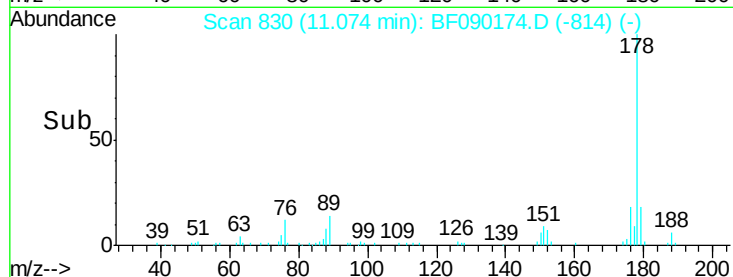
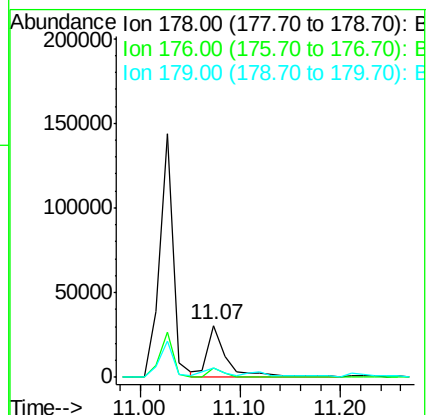
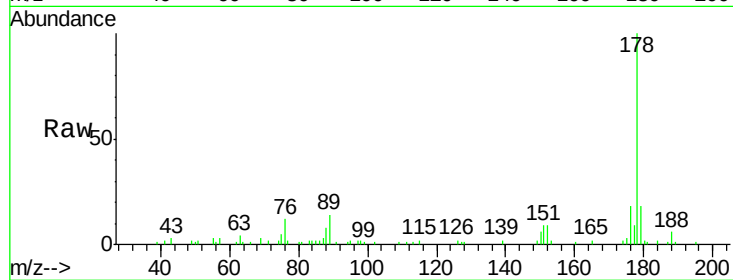
Tgt Ion:178 Resp: 38843

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.6

179 18.0 12.6 19.0



#74

Fluoranthene

Concen: 11.34 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

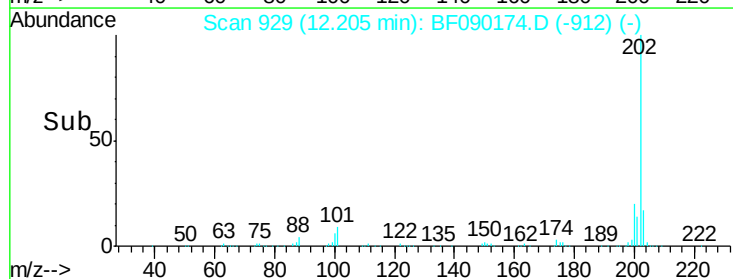
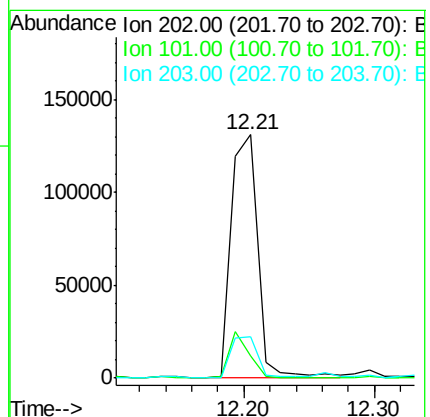
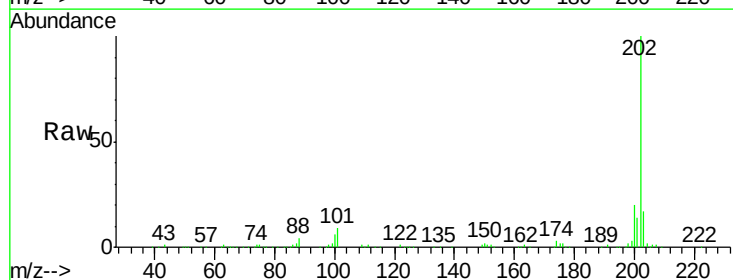
Tgt Ion:202 Resp: 183499

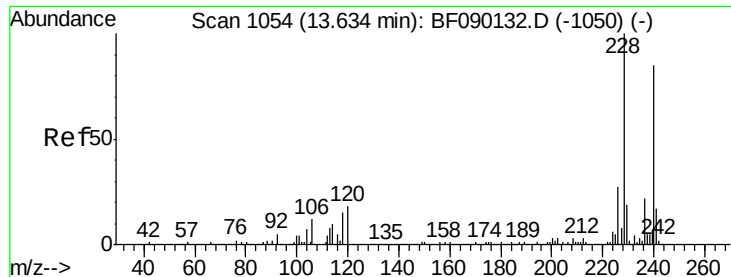
Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.1

203 16.9 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

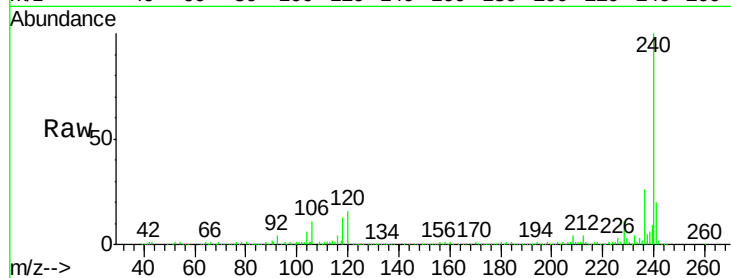
Tgt Ion:240 Resp: 260034

Ion Ratio Lower Upper

240 100

120 15.8 10.6 16.0

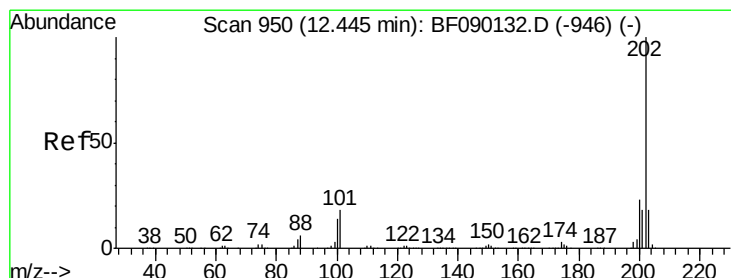
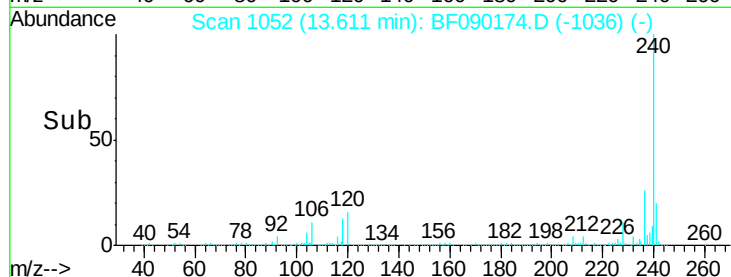
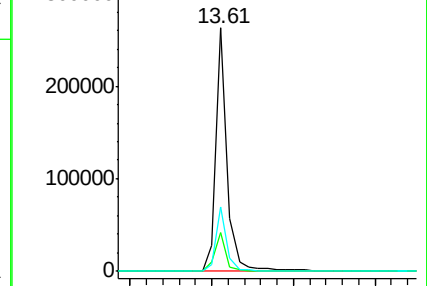
236 26.2 21.6 32.4



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: 9.64 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

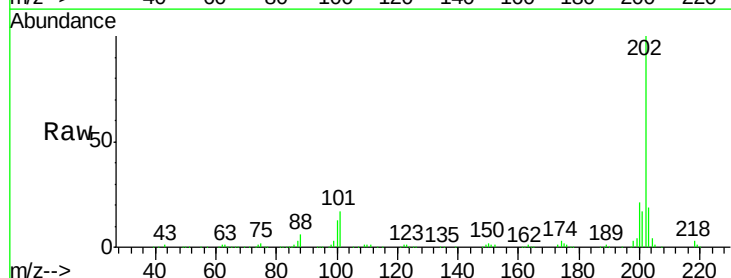
Tgt Ion:202 Resp: 171586

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

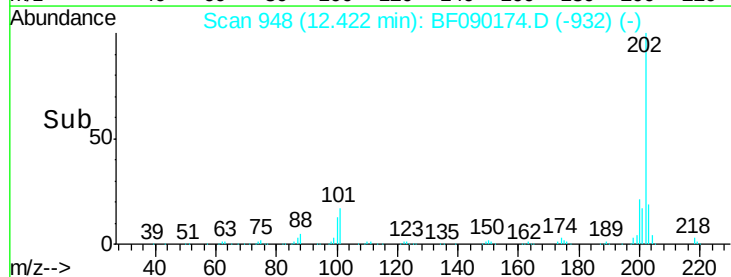
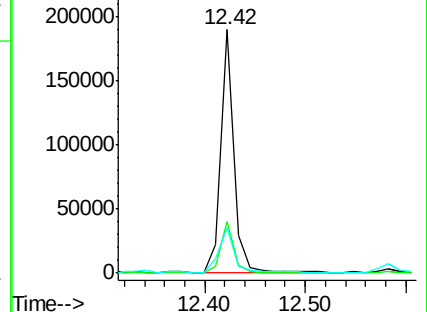
203 18.8 14.2 21.4

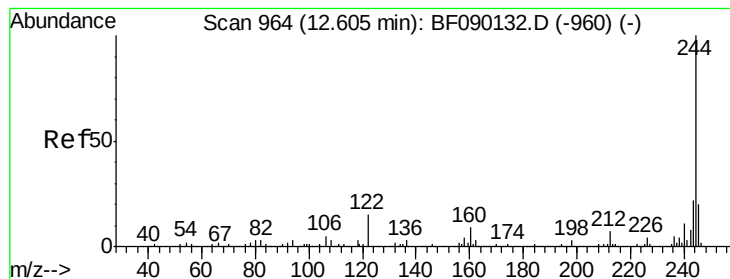


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.22 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

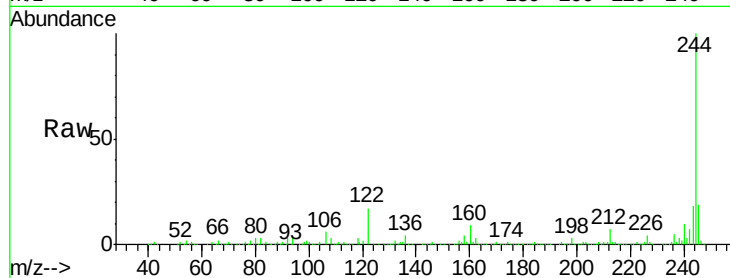
Tgt Ion:244 Resp: 493830

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

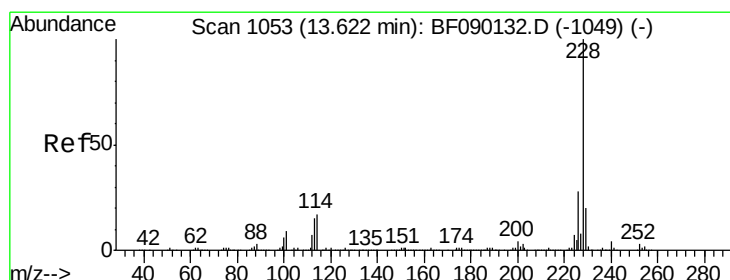
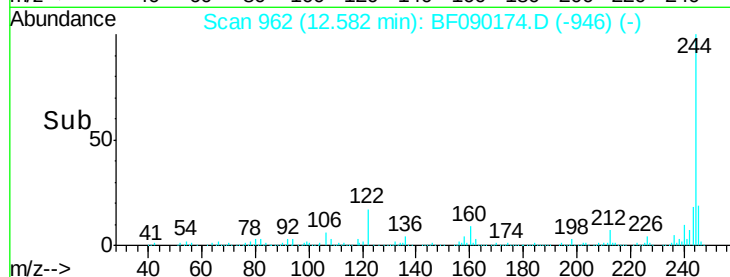
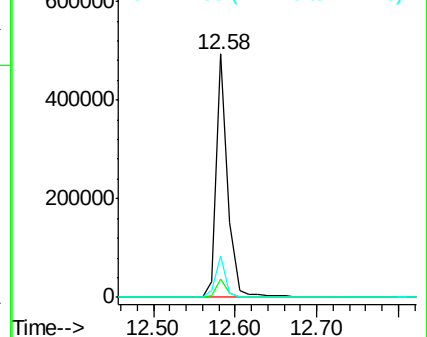
122 17.0 9.4 14.0#



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: 6.49 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

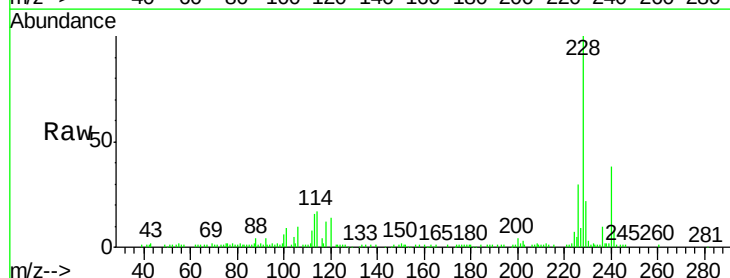
Tgt Ion:228 Resp: 90850

Ion Ratio Lower Upper

228 100

226 30.4 22.0 33.0

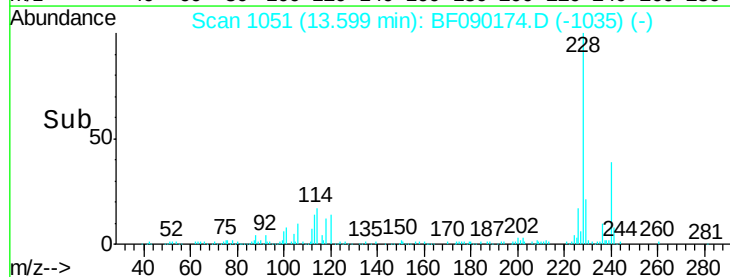
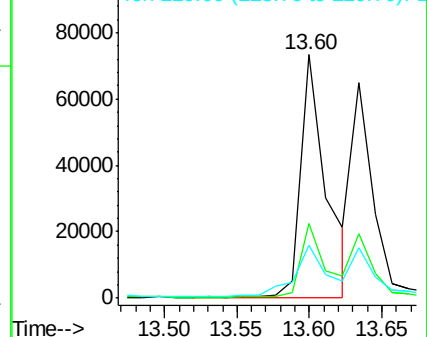
229 21.6 16.2 24.2

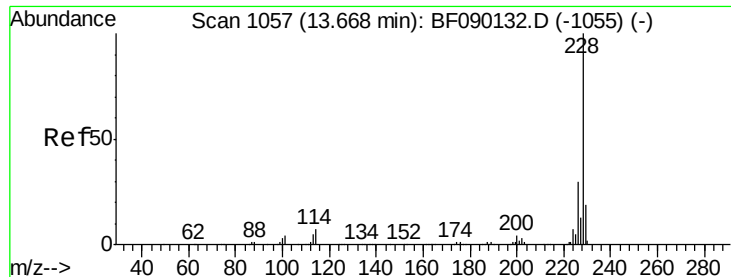


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.67 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

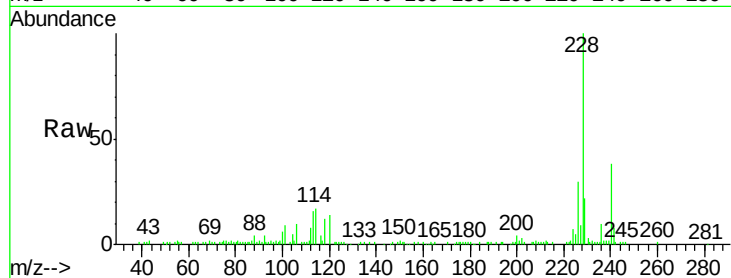
Tgt Ion:228 Resp: 90850

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

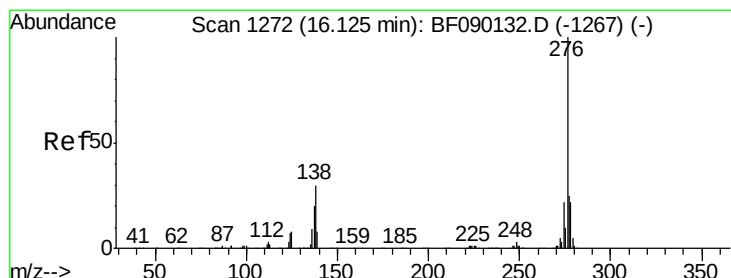
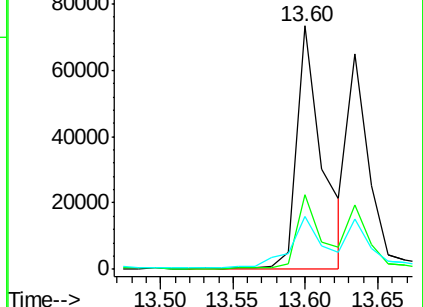
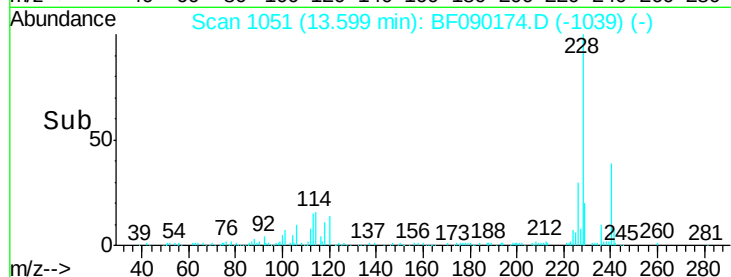
229 21.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.47 ng

RT: 16.09 min Scan# 1269

Delta R.T. -0.03 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

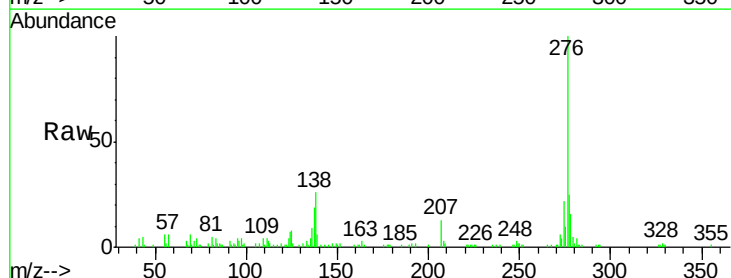
Tgt Ion:276 Resp: 60324

Ion Ratio Lower Upper

276 100

138 28.0 25.9 38.9

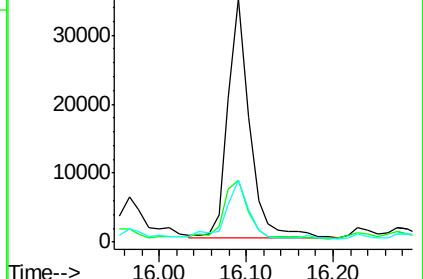
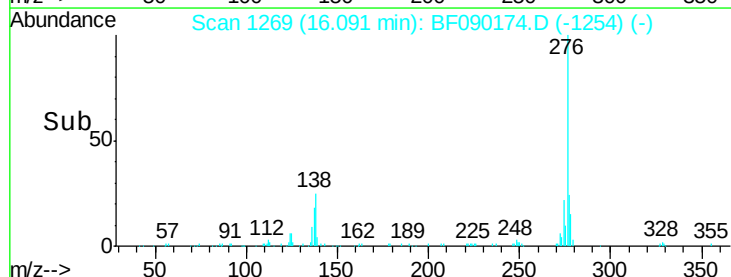
277 25.4 19.9 29.9

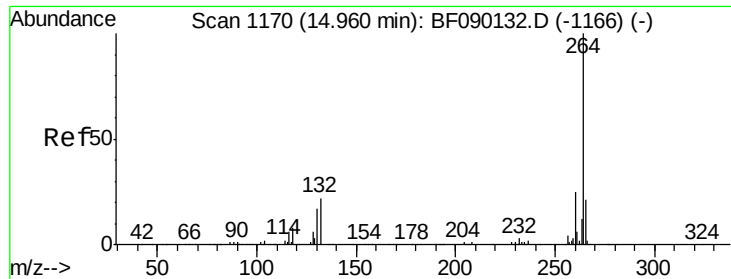


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



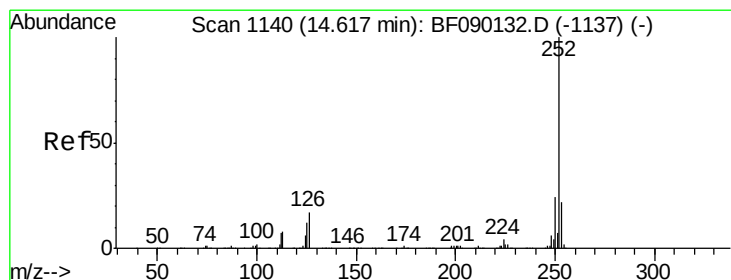
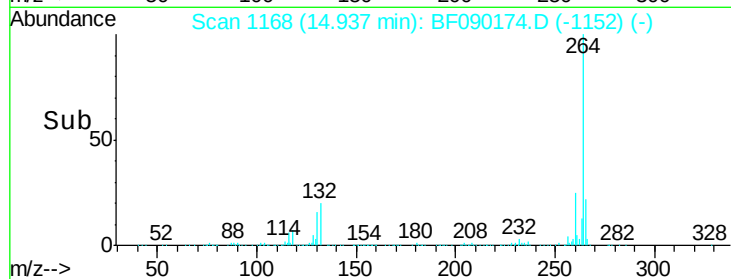
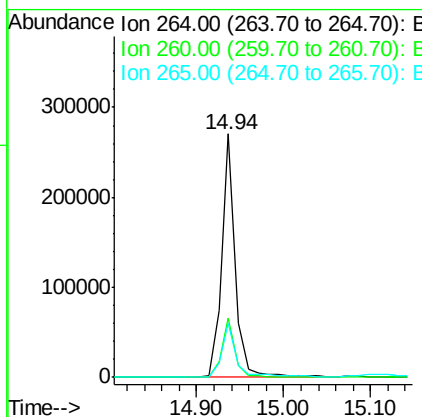
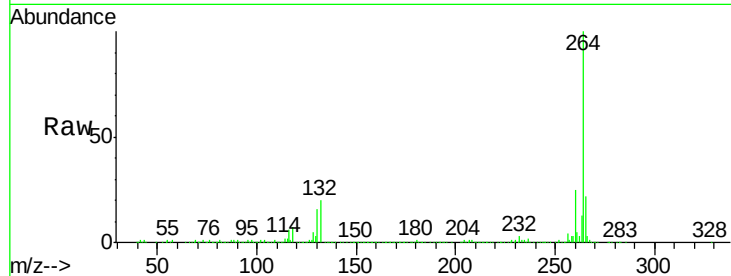


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Instrument :
BNA_F
ClientSampleId :
BH-10-3-4FT

Tgt Ion: 264 Resp: 298881

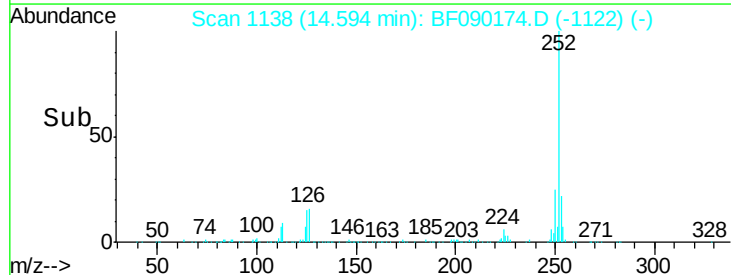
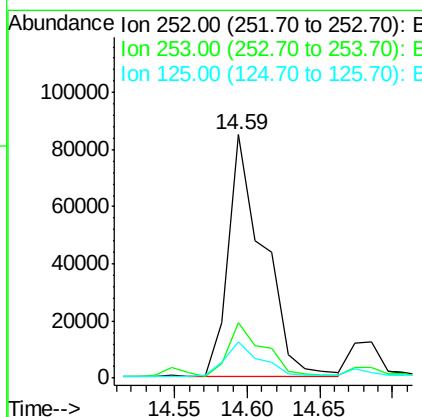
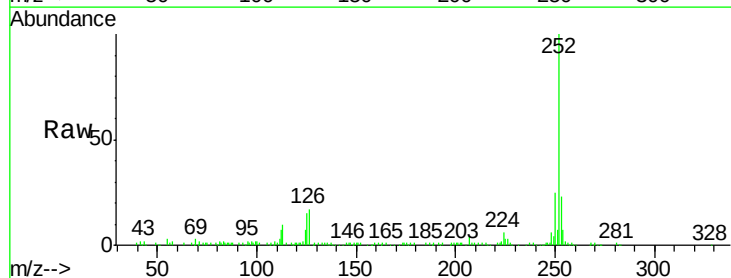
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.0	25.4

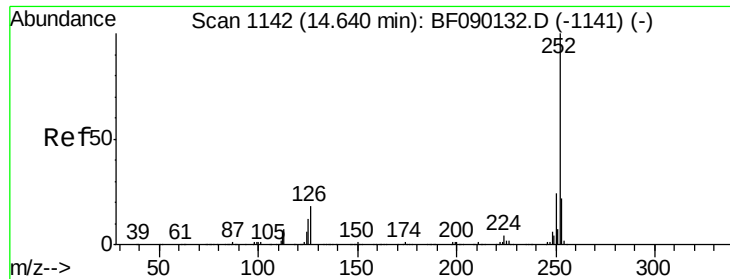


#87
Benzo(b)fluoranthene
Concen: 8.61 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion: 252 Resp: 142421

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	15.1	12.7	19.1

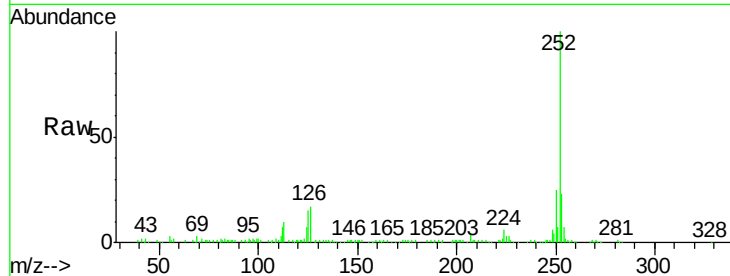




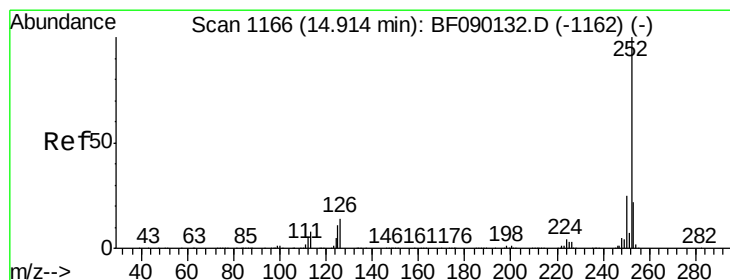
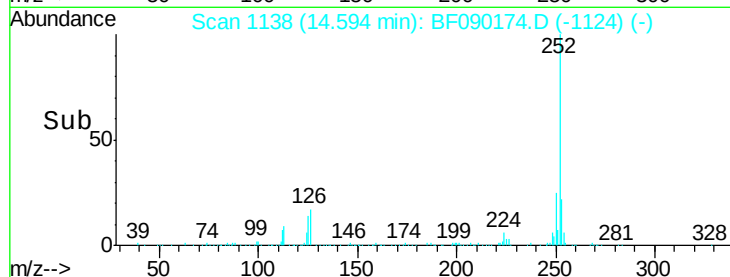
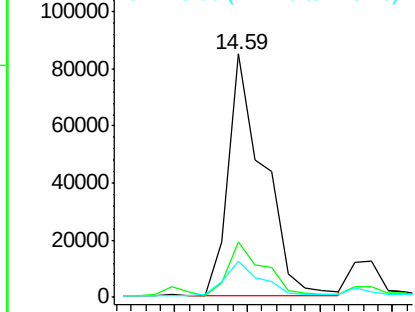
#88
Benzo(k)fluoranthene
Concen: 9.17 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.05 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Instrument :
BNA_F
ClientSampleId :
BH-10-3-4FT

Tgt Ion:252 Resp: 142421
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.1 7.8 11.6#

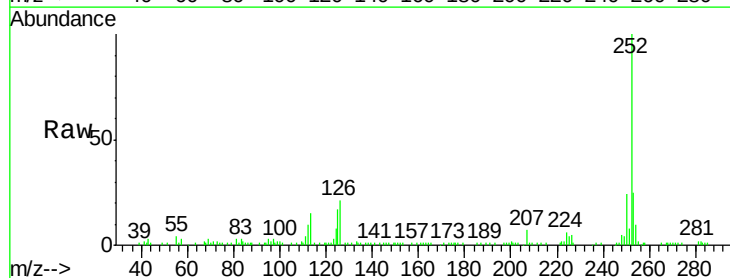


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

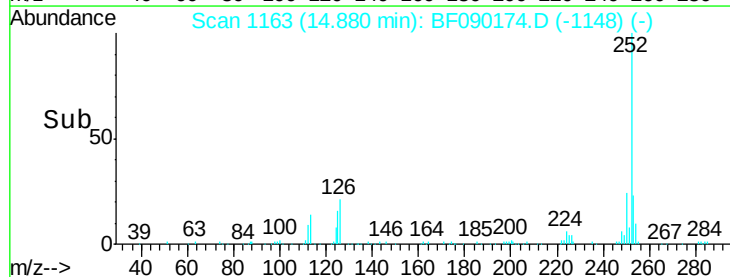
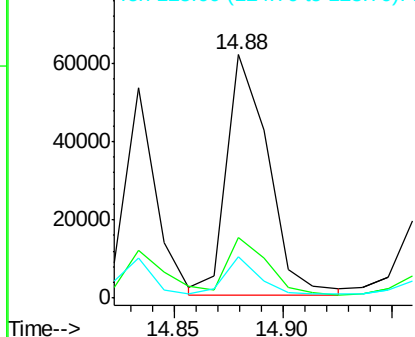


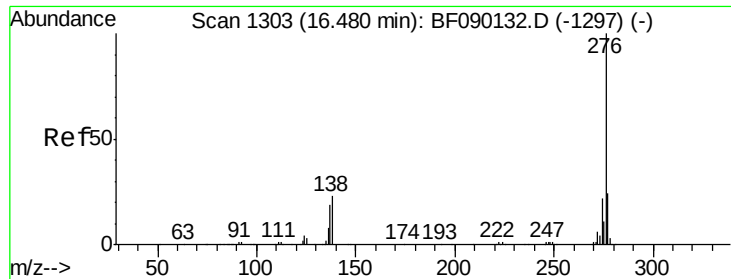
#89
Benzo(a)pyrene
Concen: 5.22 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion:252 Resp: 81338
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 17.0 7.7 11.5#



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





#91

Benzo(g,h,i)perylene

Concen: 4.87 ng

RT: 16.43 min Scan# 1299

Delta R.T. -0.05 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

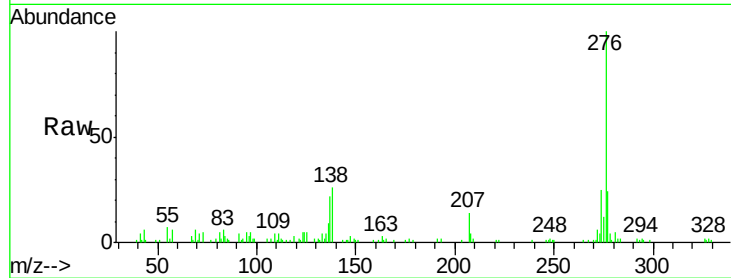
Tgt Ion: 276 Resp: 57951

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 26.5 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

