

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
 Data File : BF090178.D
 Acq On : 22 Sep 2016 00:06
 Operator : UM/SJ
 Sample : H4856-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

Quant Time: Sep 22 04:00:12 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

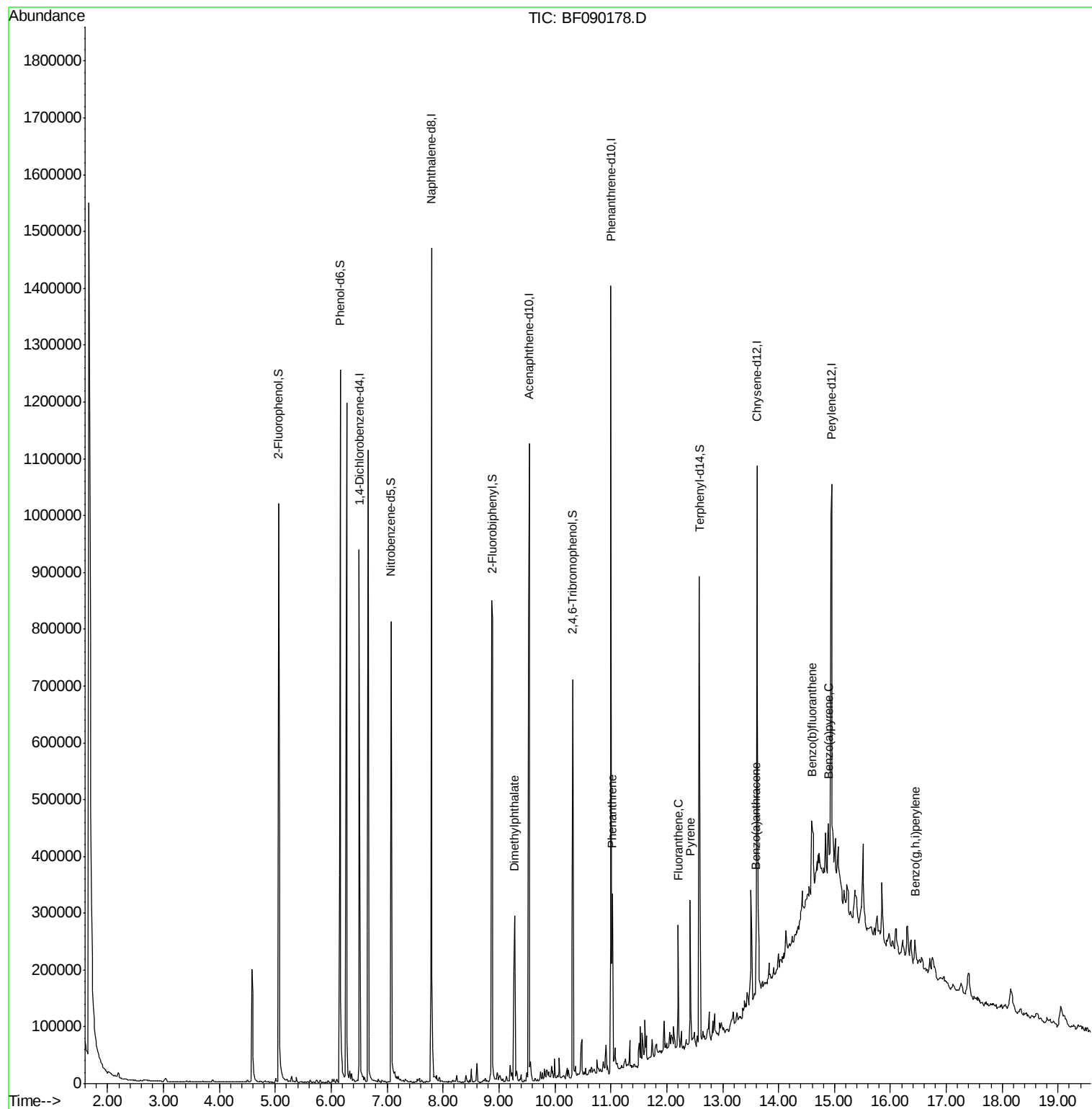
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	170709	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	663028	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	339064	20.00	ng	-0.01
63) Phenanthrene-d10	11.01	188	495157	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	397536	20.00	ng	-0.02
86) Perylene-d12	14.95	264	392041	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	392604	37.49	ng	-0.01
7) Phenol-d6	6.16	99	555767	42.97	ng	-0.01
23) Nitrobenzene-d5	7.07	82	293482	25.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	98404	33.83	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	443407	25.67	ng	-0.01
78) Terphenyl-d14	12.58	244	268456	17.14	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	174366	8.07	ng	99
70) Phenanthrene	11.03	178	106332	4.59	ng	97
74) Fluoranthene	12.21	202	95610	3.85	ng	93
77) Pyrene	12.42	202	99668	3.66	ng	97
80) Benzo(a)anthracene	13.60	228	46743	2.19	ng	# 86
87) Benzo(b)fluoranthene	14.59	252	55261m	2.55	ng	
89) Benzo(a)pyrene	14.89	252	42206	2.07	ng	# 88
91) Benzo(g,h,i)perylene	16.45	276	33431	2.14	ng	94

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

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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: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

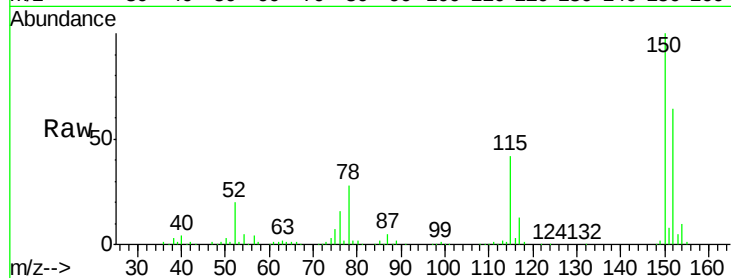
Tot Ion:152 Resp: 170709

Ion Ratio Lower Upper

152 100

150 156.8 128.9 193.3

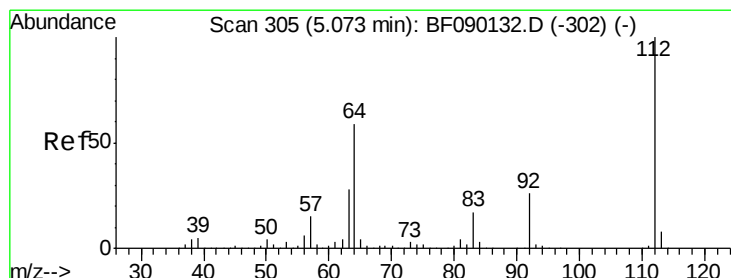
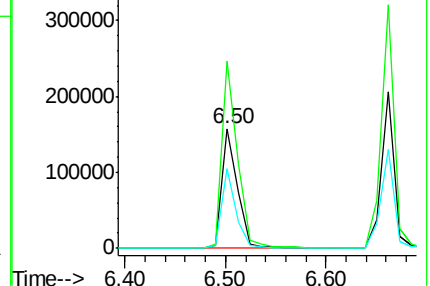
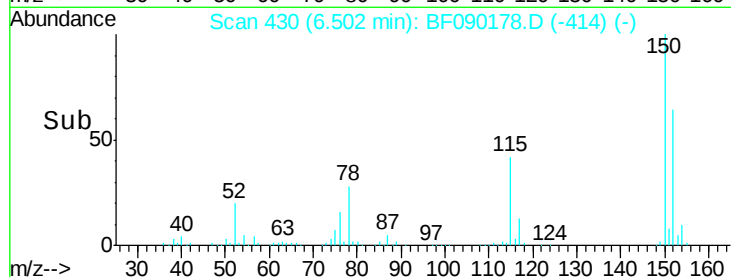
115 66.3 55.5 83.3



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: 37.49 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

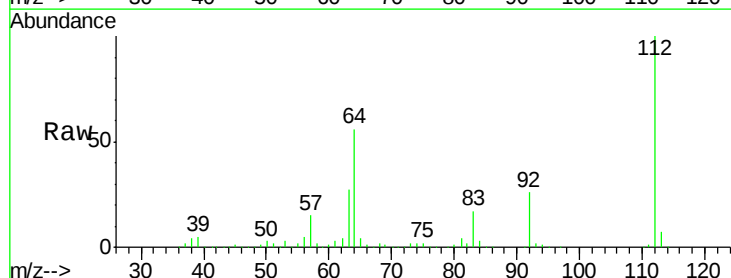
Tgt Ion:112 Resp: 392604

Ion Ratio Lower Upper

112 100

64 55.9 39.8 59.6

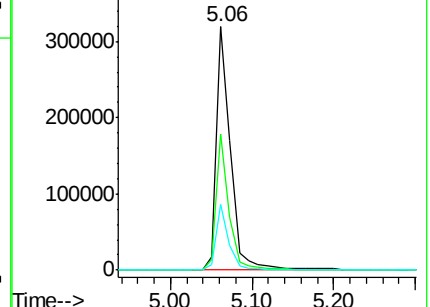
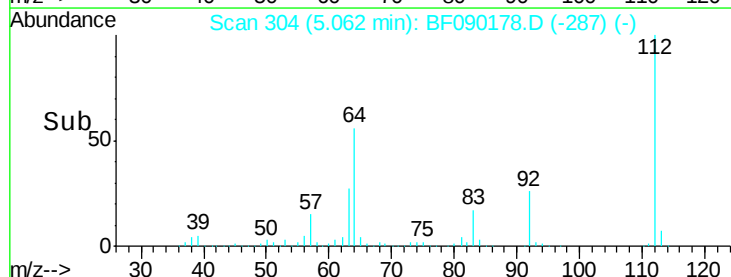
63 27.0 18.9 28.3



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: 42.97 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

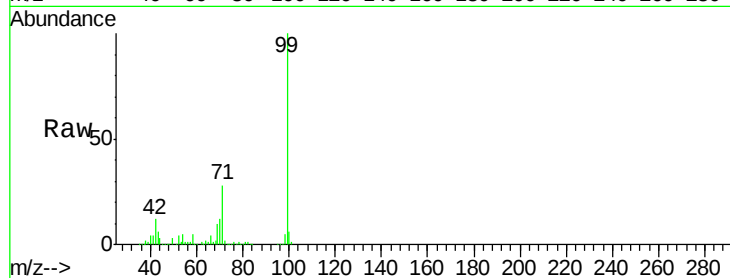
Tot Ion: 99 Resp: 555767

Ion Ratio Lower Upper

99 100

42 11.5 10.6 15.8

71 27.7 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

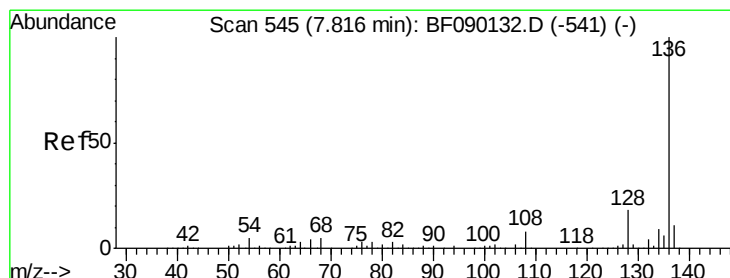
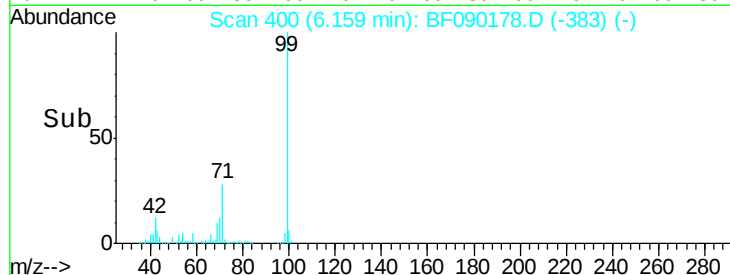
6.16

400000

200000

0

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Tgt Ion: 136 Resp: 663028

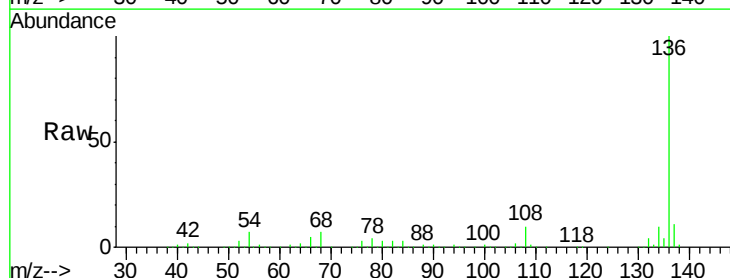
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.3 6.4 9.6

68 7.0 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

7.79

1000000

800000

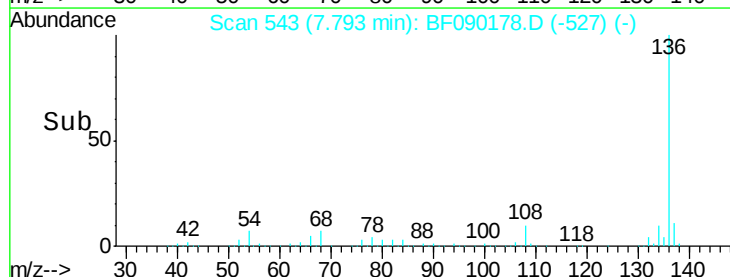
600000

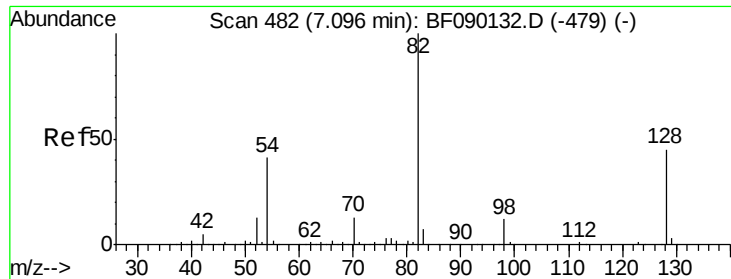
400000

200000

0

Time-->

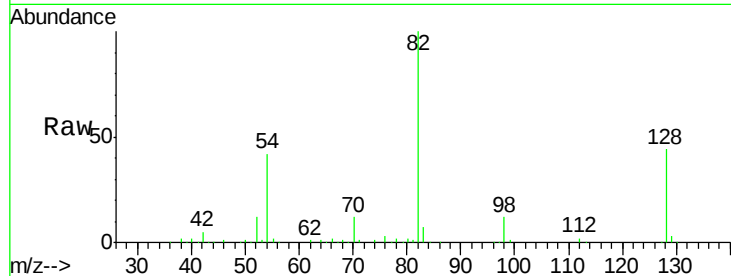




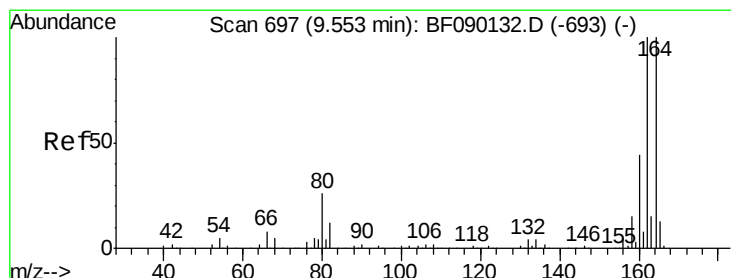
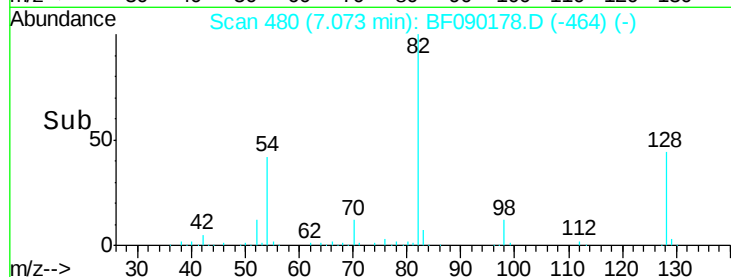
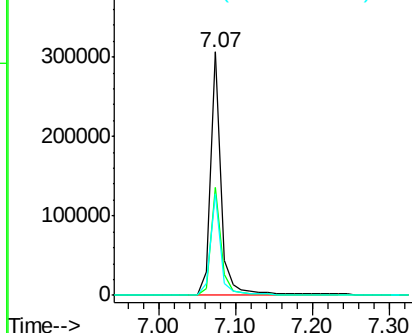
#23
 Nitrobenzene-d5
 Concen: 25.66 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

Tot Ion	82	Resp	293482
Ion Ratio	100	Lower	Upper
128	44.2	37.5	56.3
54	41.5	31.9	47.9

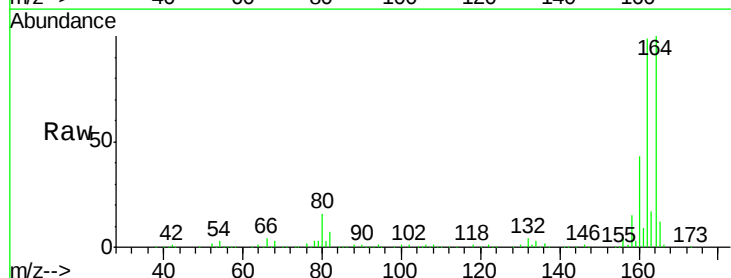


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

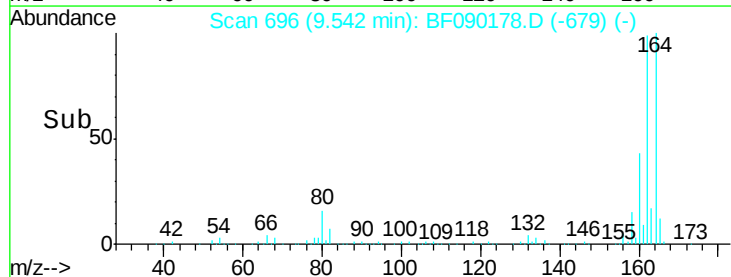
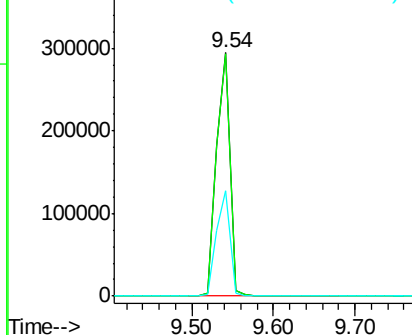


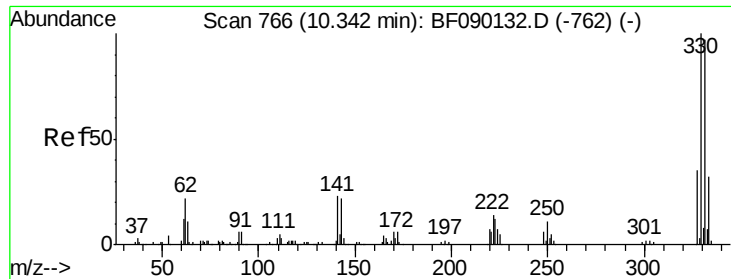
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Tgt Ion	164	Resp	339064
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	99.3	81.4	122.2
160	43.3	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

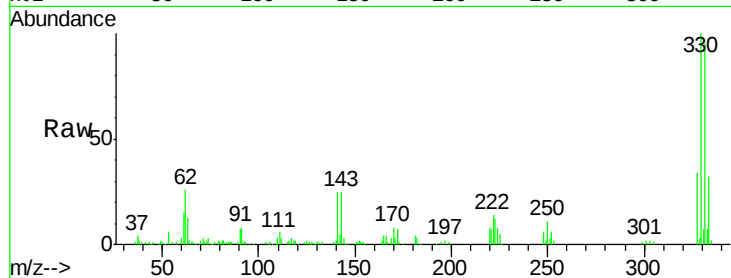




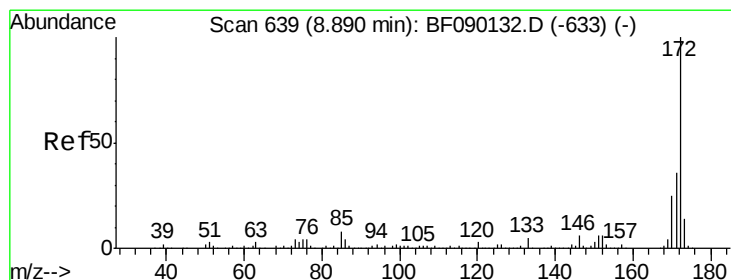
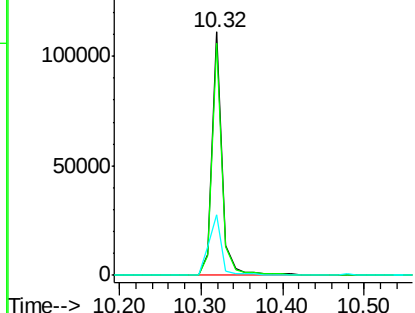
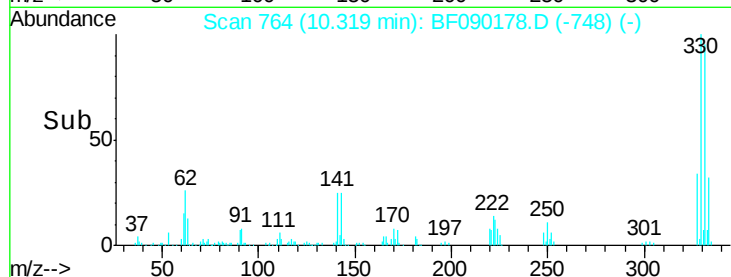
#41
 2,4,6-Tribromophenol
 Concen: 33.83 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

Tot Ion:330 Resp: 98404
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.1 117.1
 141 33.2 23.9 35.9

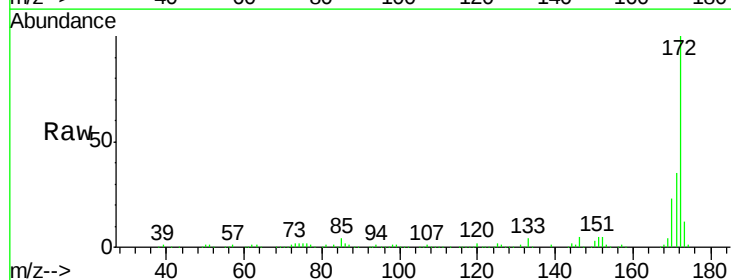


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

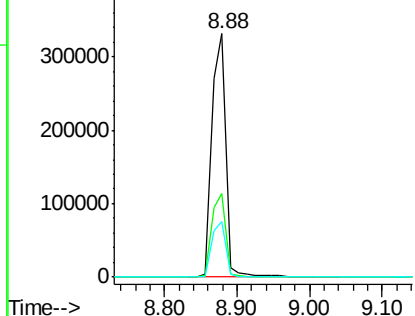
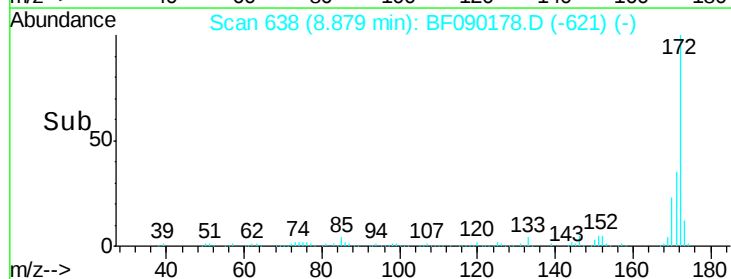


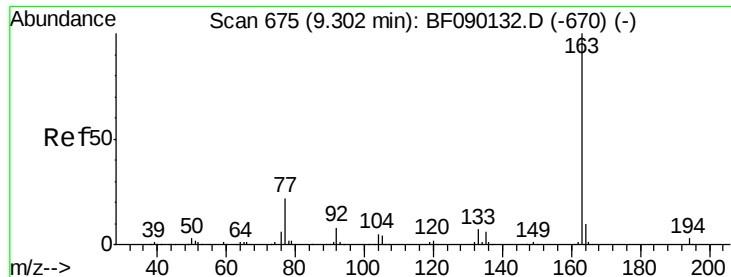
#44
 2-Fluorobiphenyl
 Concen: 25.67 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Tgt Ion:172 Resp: 443407
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.2 43.8
 170 23.0 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

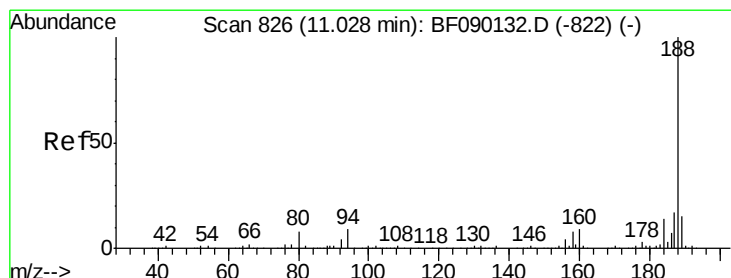
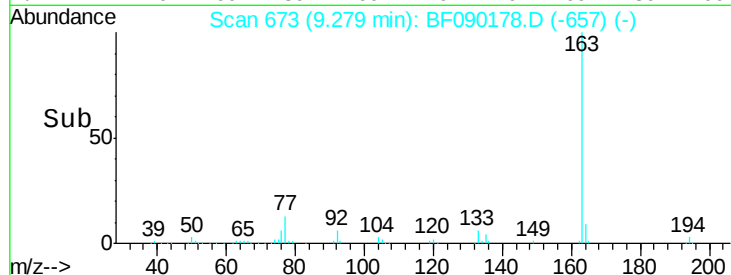
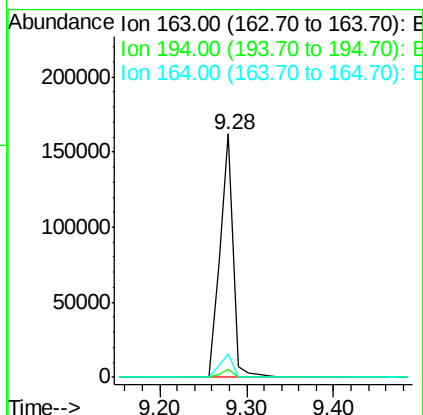
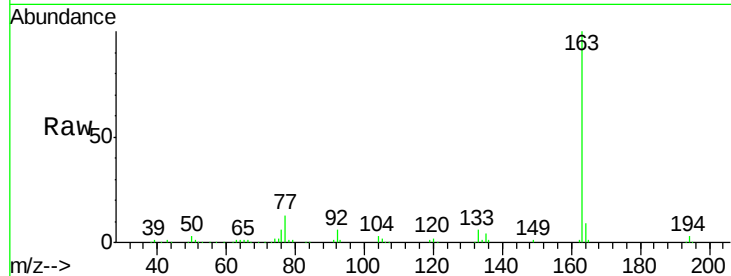




#49
Dimethylphthalate
Concen: 8.07 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

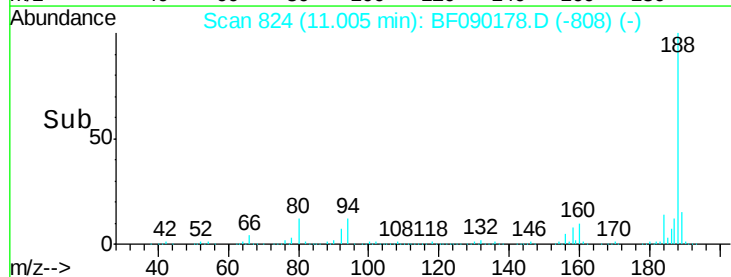
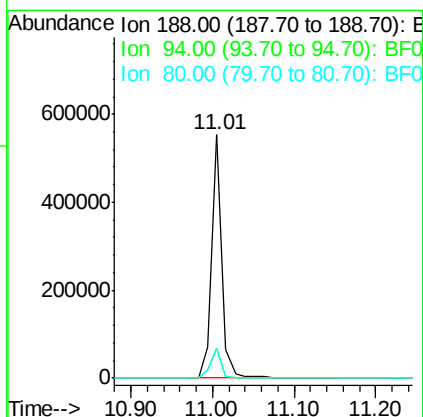
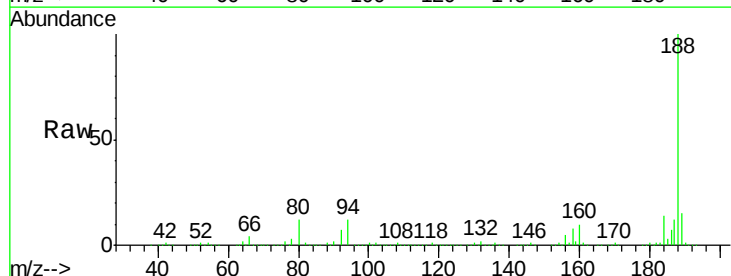
Instrument :
BNA_F
ClientSampleId :
BH-3-4-5FT

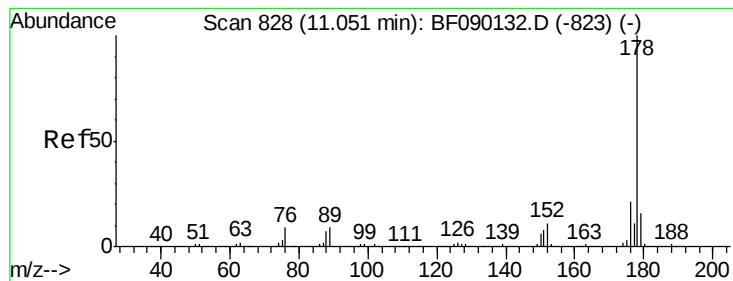
Tot Ion:163 Resp: 174366
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.4 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Tgt Ion:188 Resp: 495157
Ion Ratio Lower Upper
188 100
94 12.2 10.5 15.7
80 12.5 11.2 16.8





#70

Phenanthrene

Concen: 4.59 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

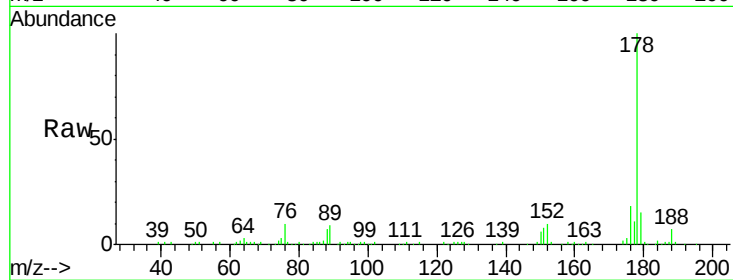
Tot Ion:178 Resp: 106332

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

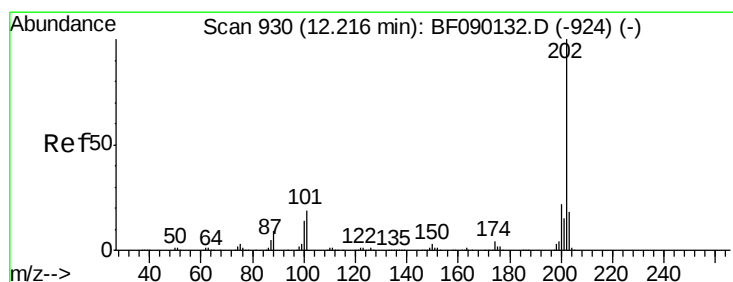
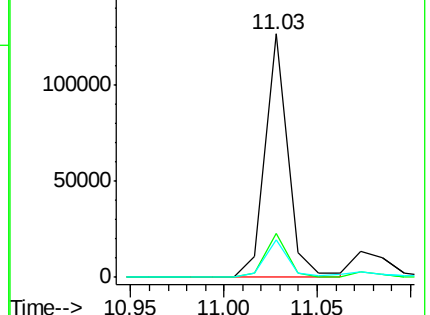
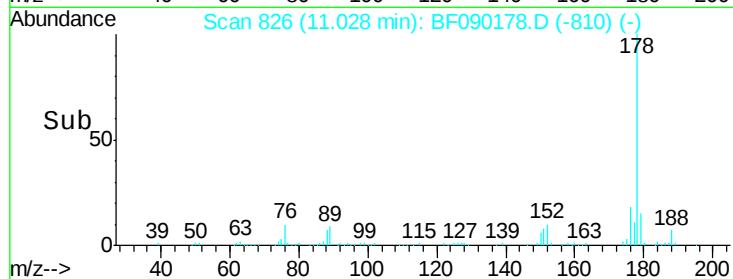
179 15.2 12.9 19.3



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: 3.85 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

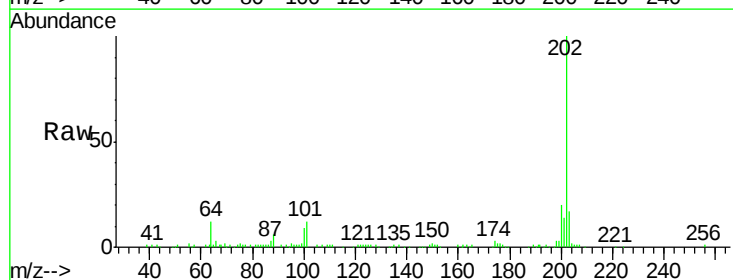
Tgt Ion:202 Resp: 95610

Ion Ratio Lower Upper

202 100

101 11.6 0.0 36.1

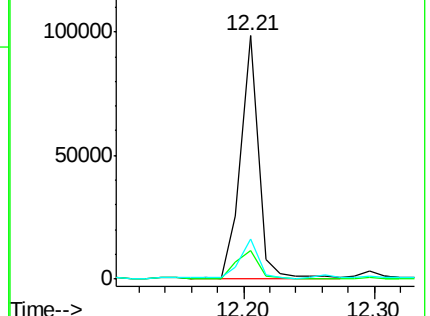
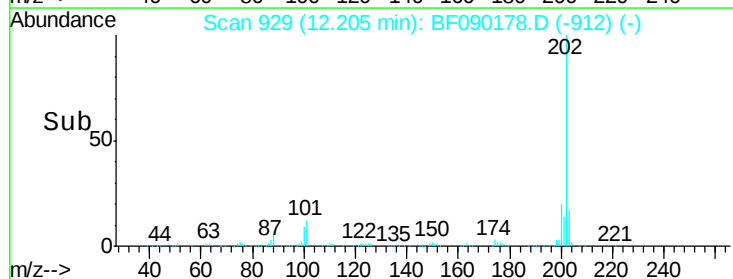
203 16.6 0.0 38.2

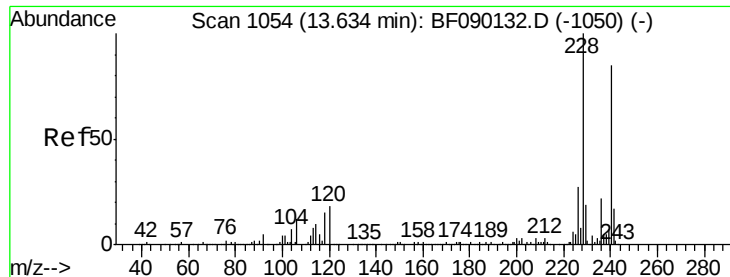


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

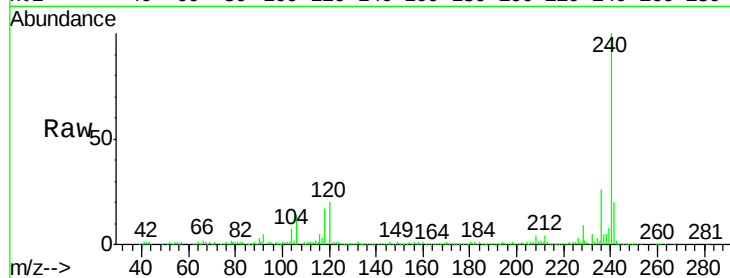
Tot Ion:240 Resp: 397536

Ion Ratio Lower Upper

240 100

120 20.0 10.6 16.0#

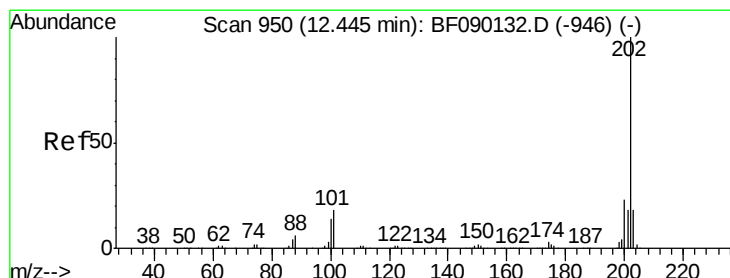
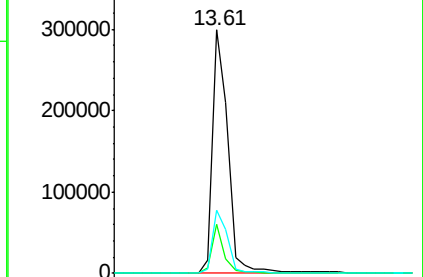
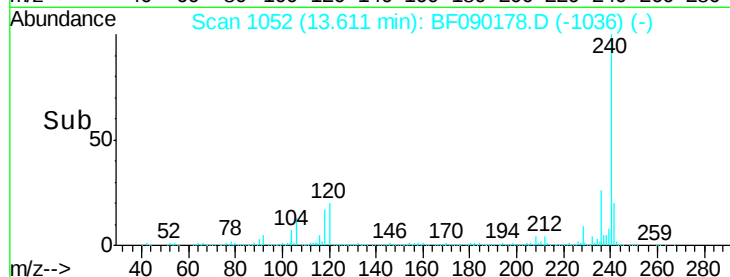
236 26.2 21.6 32.4



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: 3.66 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

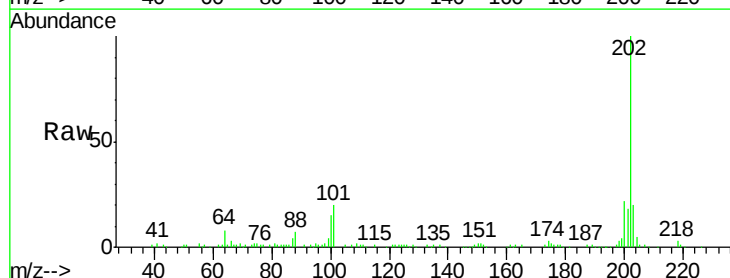
Tgt Ion:202 Resp: 99668

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

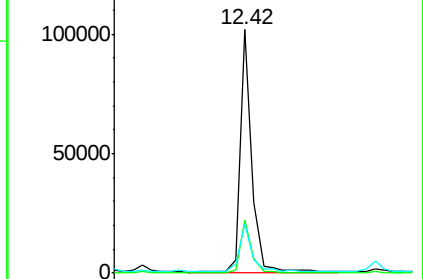
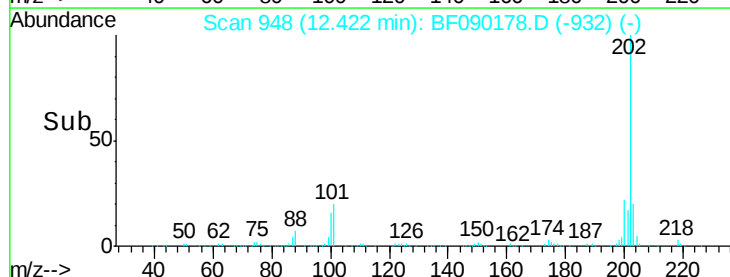
203 20.1 14.2 21.4

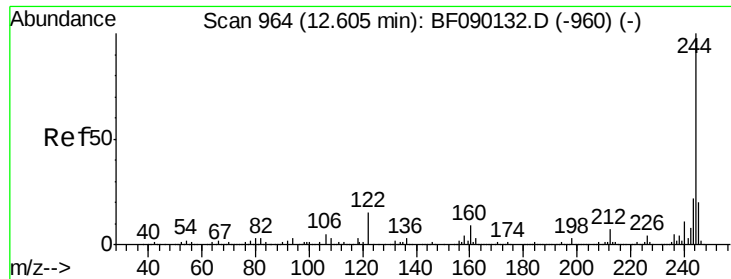


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

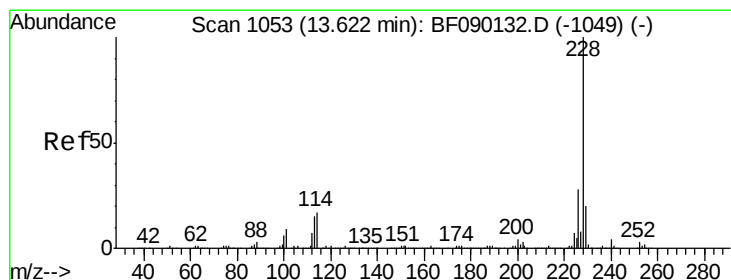
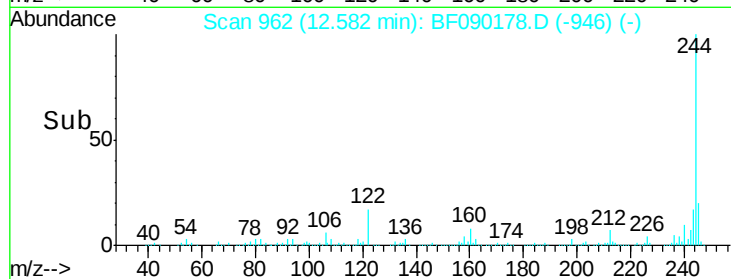
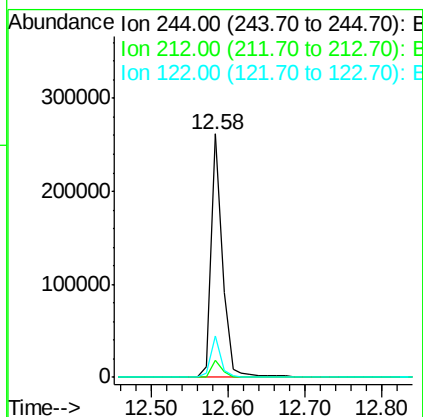
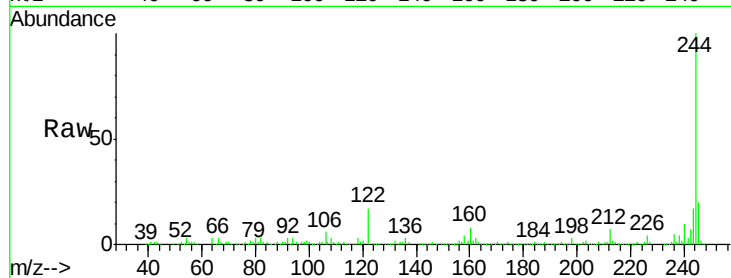




#78
 Terphenyl-d14
 Concen: 17.14 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

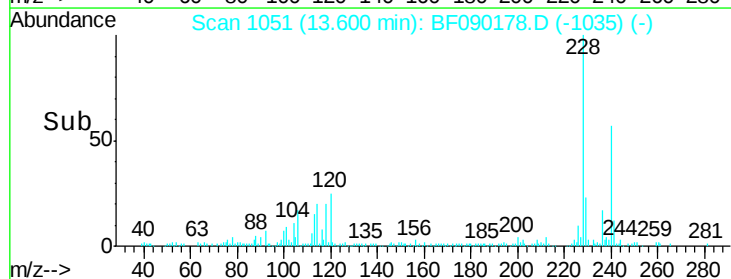
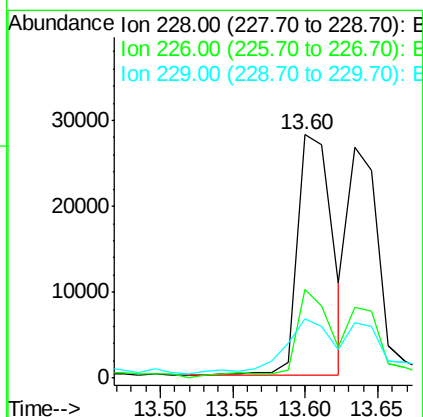
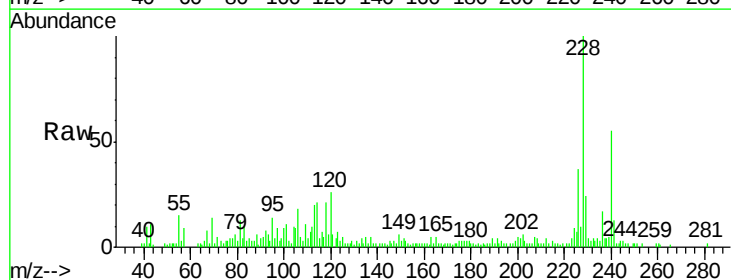
Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

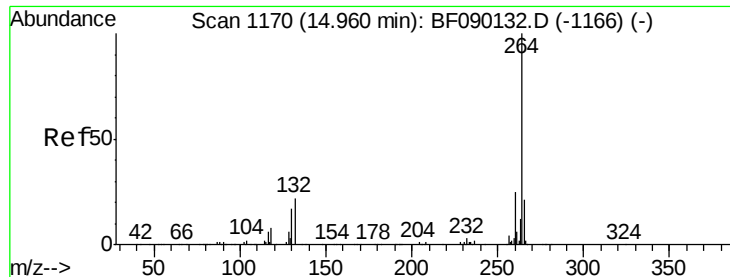
Tot Ion:244 Resp: 268456
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 17.2 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 2.19 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Tgt Ion:228 Resp: 46743
 Ion Ratio Lower Upper
 228 100
 226 36.7 22.0 33.0#
 229 24.2 16.2 24.2

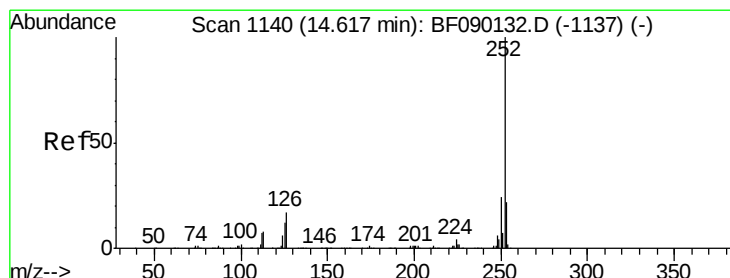
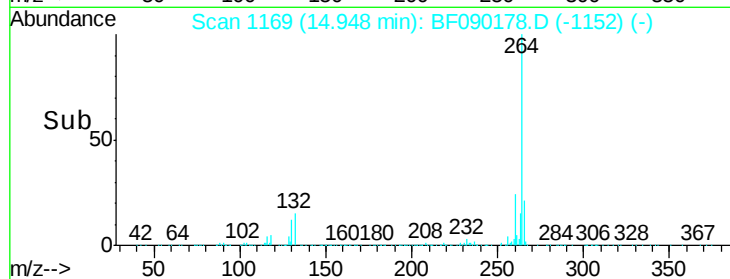
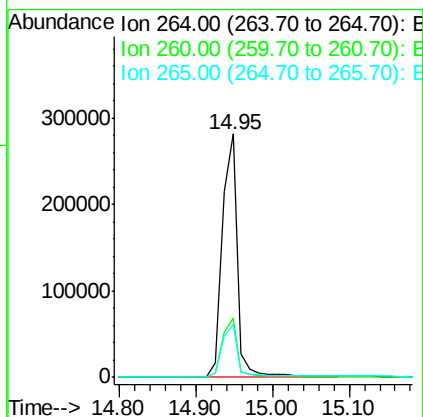
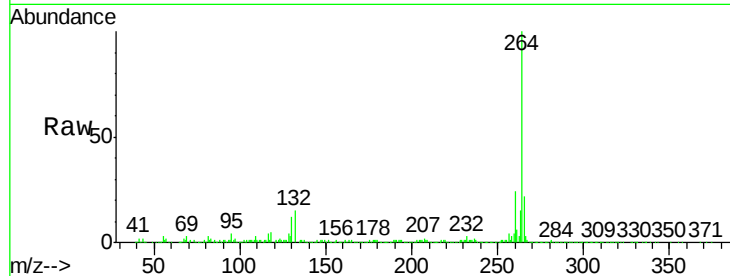




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

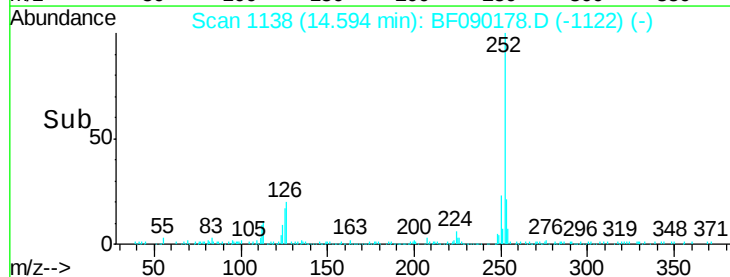
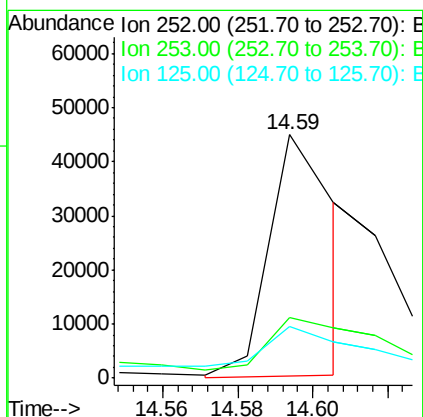
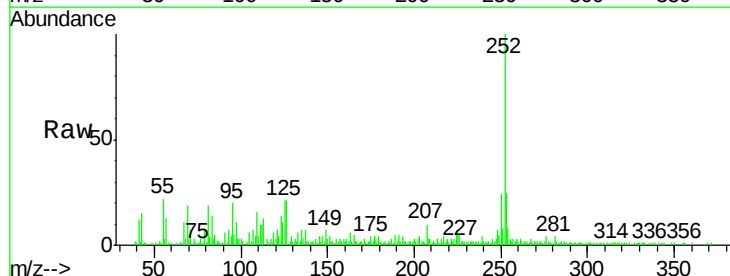
Instrument :
BNA_F
ClientSampleId :
BH-3-4-5FT

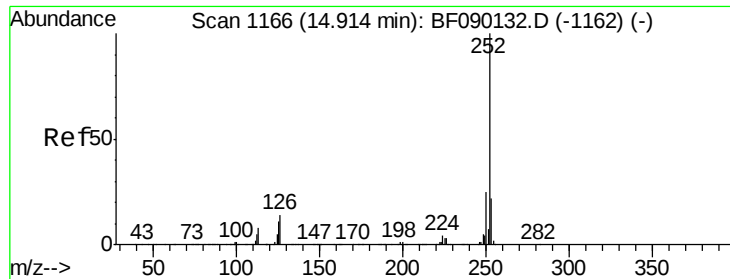
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 2.55 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	21.1	12.7	19.1

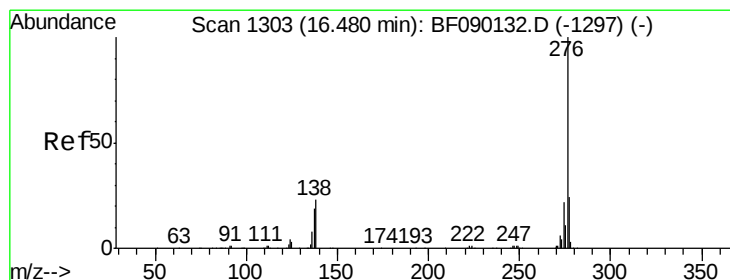
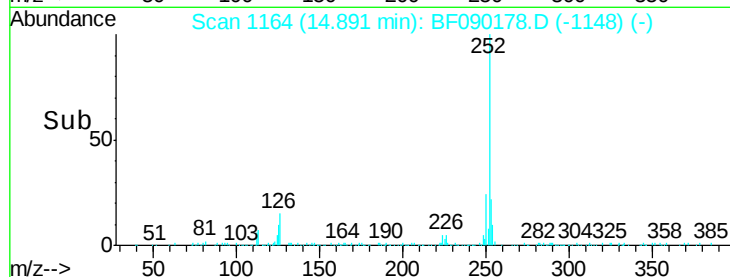
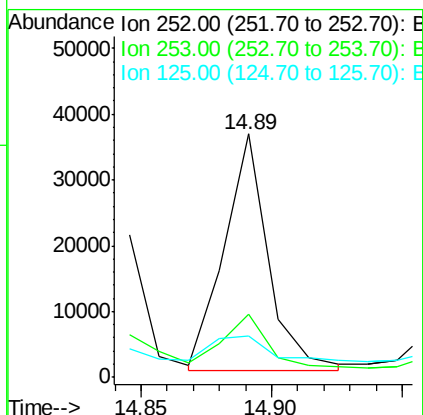
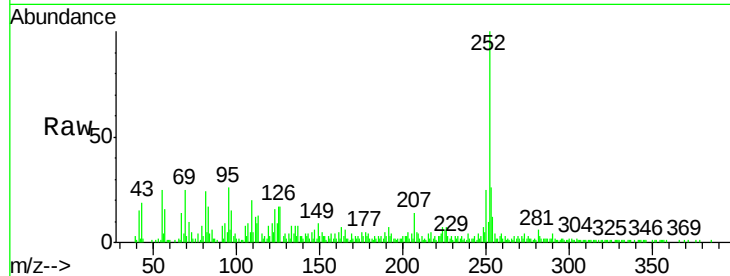




#89
Benzo(a)pyrene
Concen: 2.07 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Instrument :
BNA_F
ClientSampleId :
BH-3-4-5FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.0#
125	16.9	7.7	11.5#



#91
Benzo(g,h,i)perylene
Concen: 2.14 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.03 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.9	28.3
138	26.4	23.3	34.9

