

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 01:57:29 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

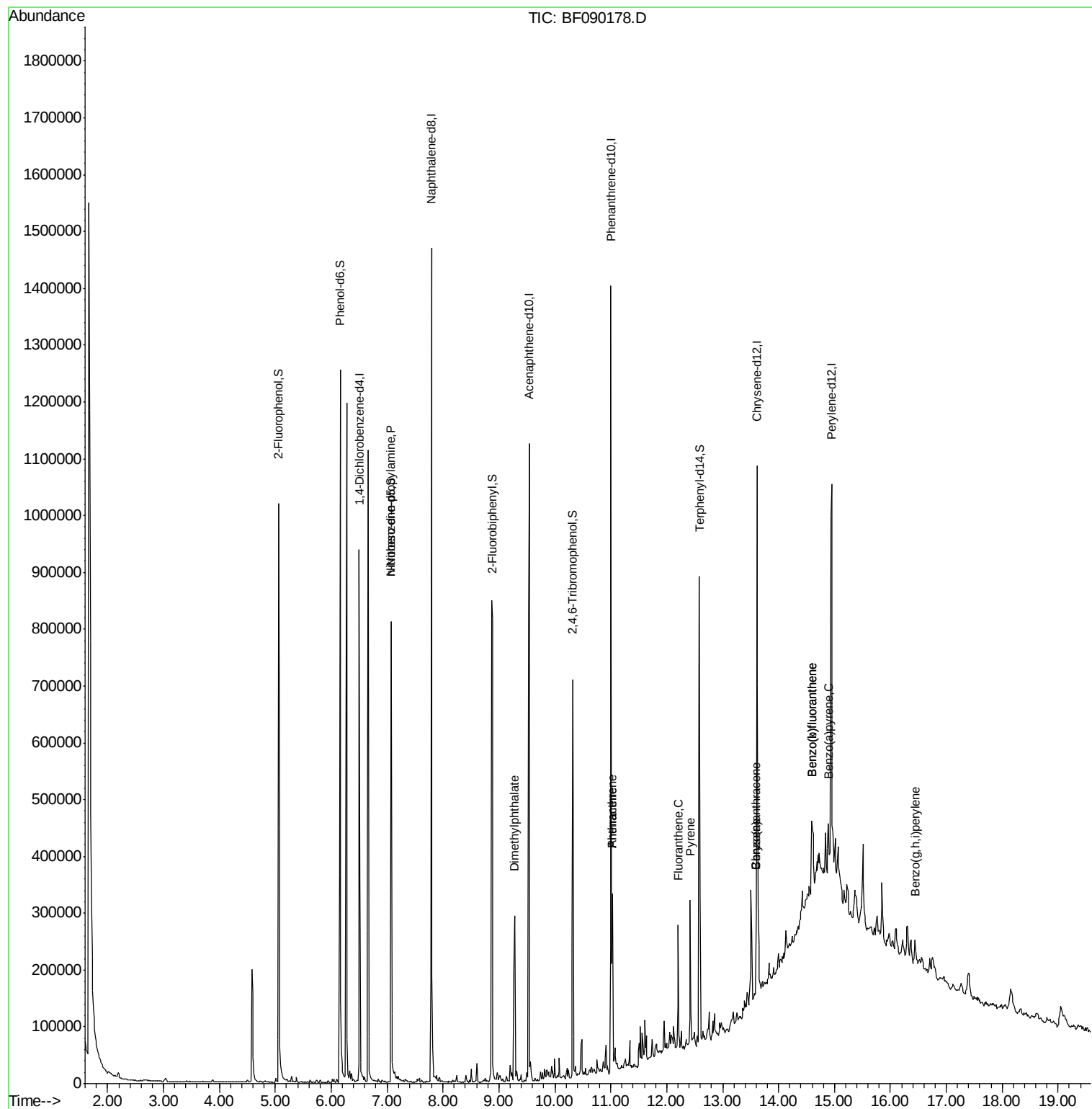
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.07	70	32044	4.22	ng	# 81
49) Dimethylphthalate	9.28	163	174366	8.07	ng	99
70) Phenanthrene	11.03	178	106332	4.59	ng	97
71) Anthracene	11.03	178	106332	4.38	ng	97
74) Fluoranthene	12.21	202	95610	3.85	ng	93
77) Pyrene	12.42	202	99668	3.66	ng	97
80) Benzo(a)anthracene	13.60	228	46743	2.19	ng	# 86
82) Chrysene	13.60	228	46743	2.24	ng	90
87) Benzo(b)fluoranthene	14.59	252	80498	3.71	ng	# 92
88) Benzo(k)fluoranthene	14.59	252	80498	3.95	ng	# 87
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

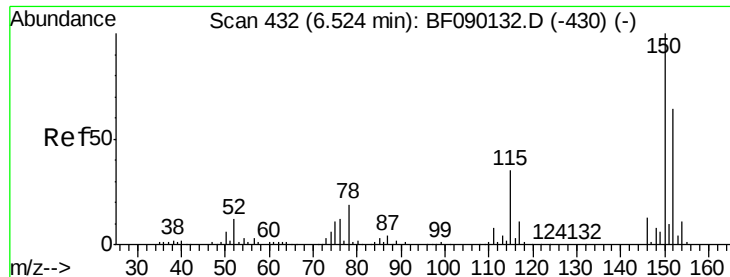
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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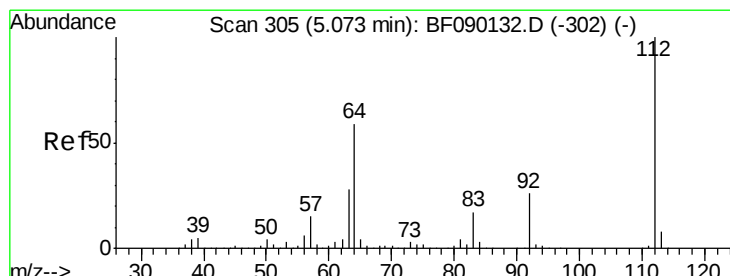
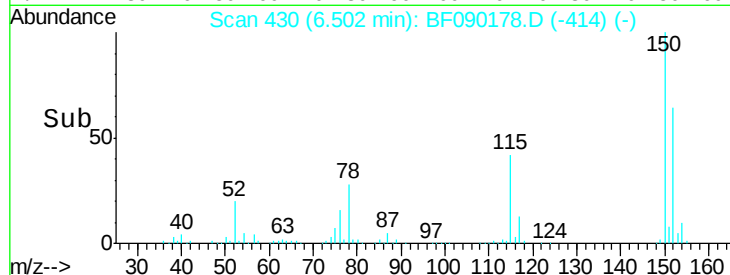
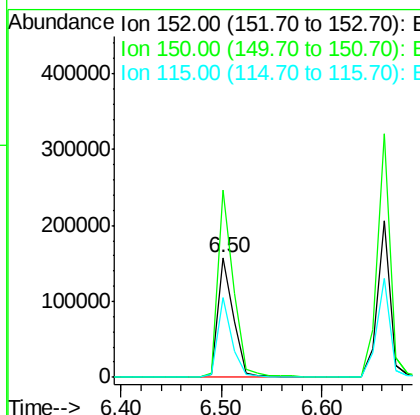
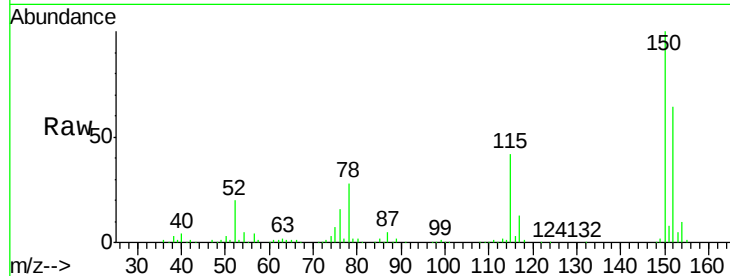




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

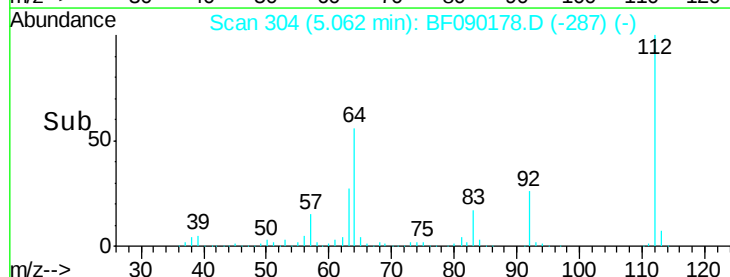
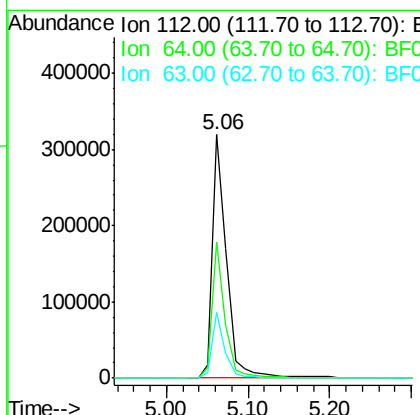
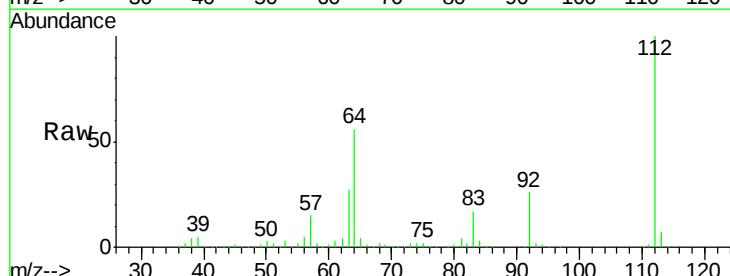
Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

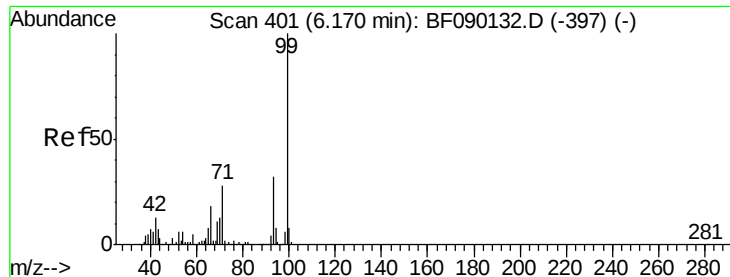
Tgt Ion:152 Resp: 170709
 Ion Ratio Lower Upper
 152 100
 150 156.8 128.9 193.3
 115 66.3 55.5 83.3



#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





#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

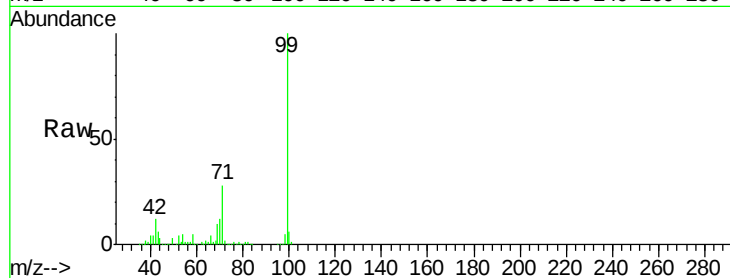
Tgt Ion: 99 Resp: 555767

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

600000

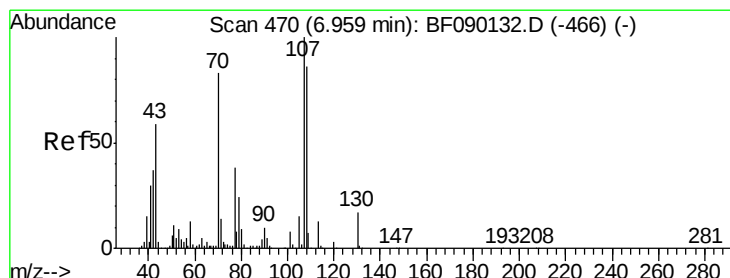
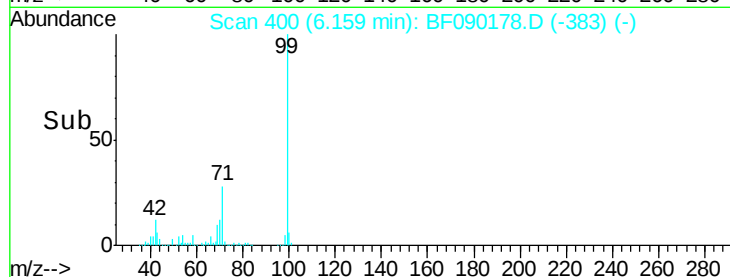
400000

200000

0

6.10 6.20 6.30

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 4.22 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Tgt Ion: 70 Resp: 32044

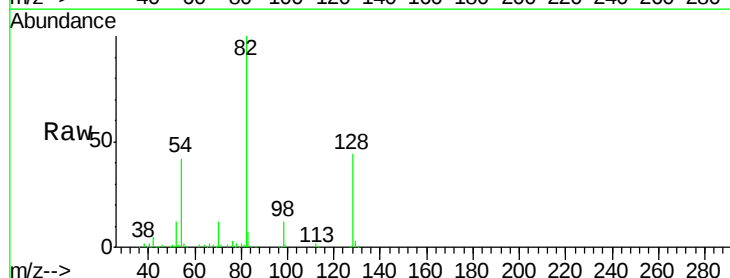
Ion Ratio Lower Upper

70 100

42 38.3 35.1 52.7

101 0.0 7.5 11.3#

130 2.8 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): BF0

Ion 130.00 (129.70 to 130.70): BF0

60000

50000

40000

30000

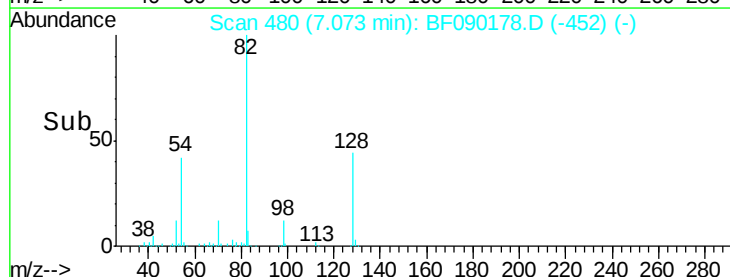
20000

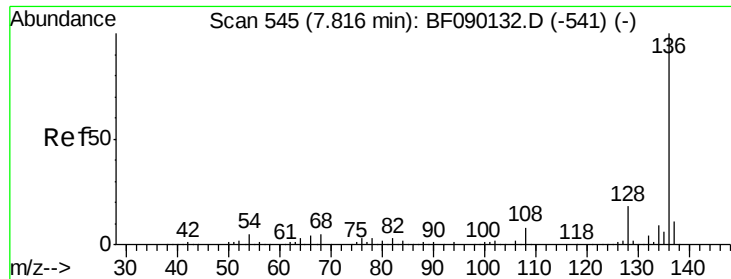
10000

0

7.02 7.04 7.06 7.08 7.10

Time-->

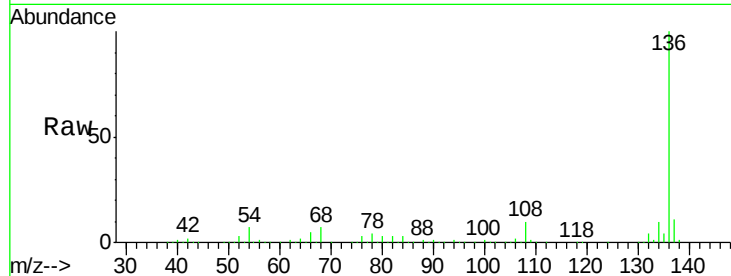




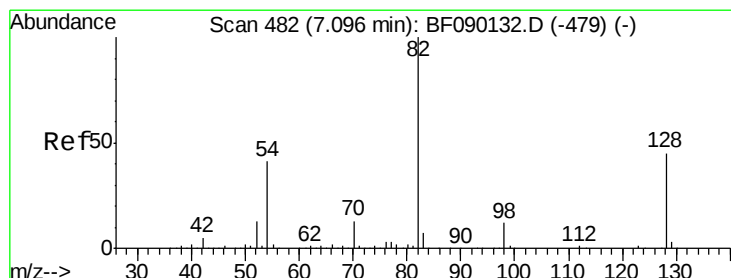
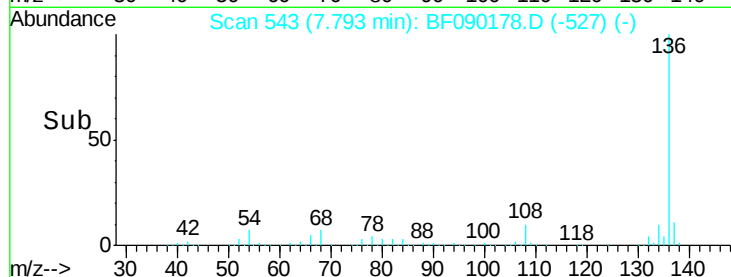
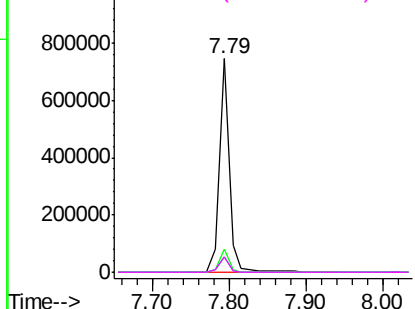
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

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

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

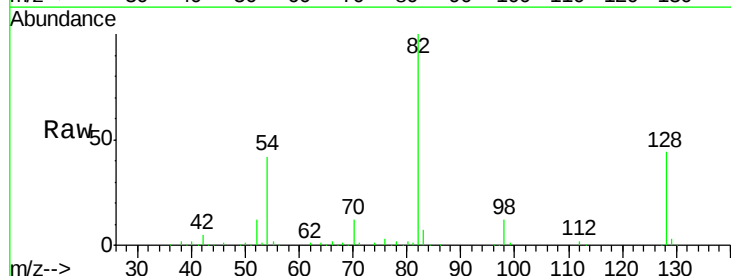


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

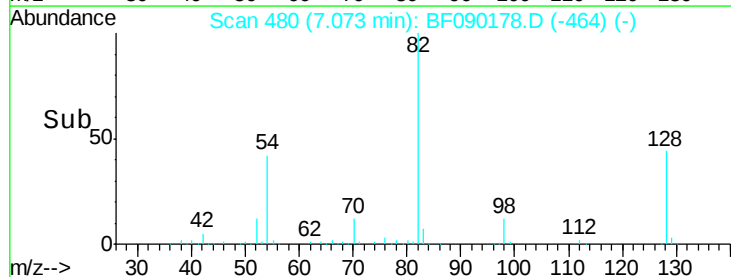
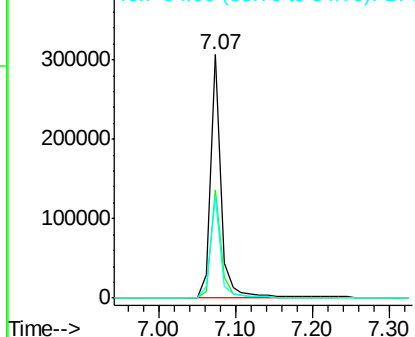


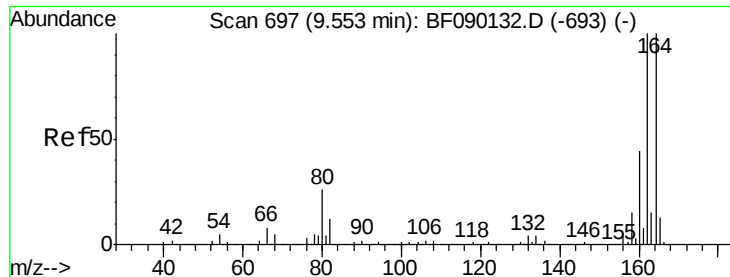
#23
Nitrobenzene-d5
Concen: 25.66 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Tgt Ion:	82	Resp:	293482
Ion	Ratio	Lower	Upper
82	100		
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

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

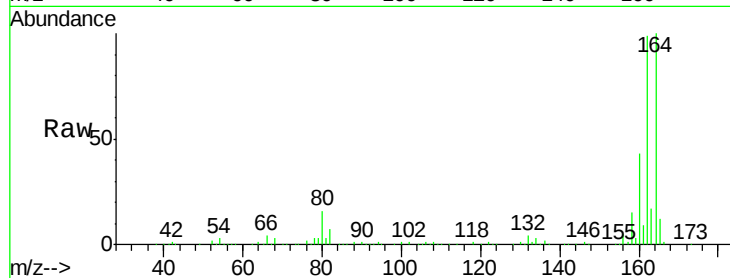
Tgt Ion:164 Resp: 339064

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.2

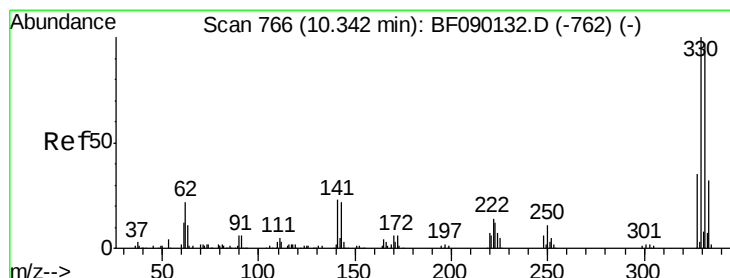
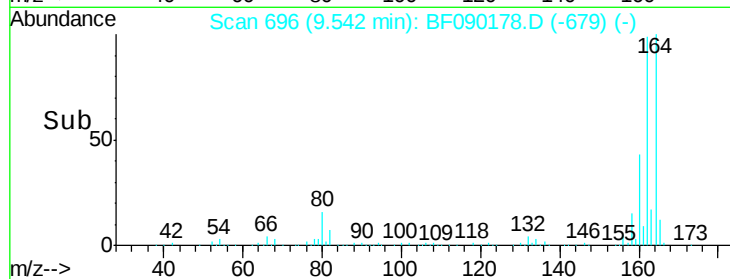
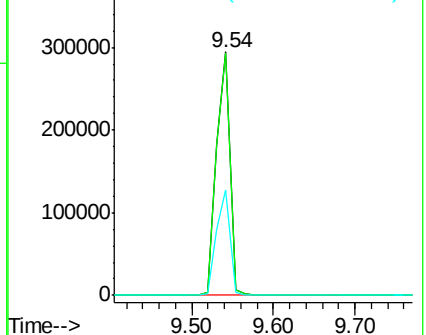
160 43.3 36.6 54.8



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

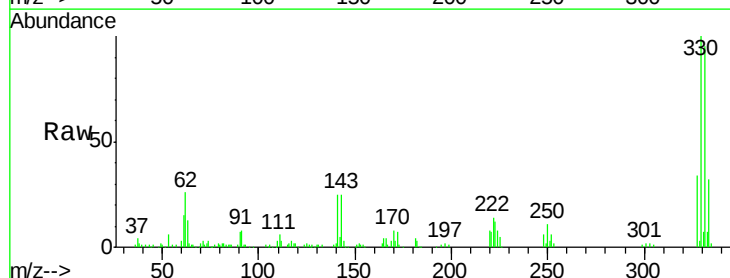
Tgt Ion:330 Resp: 98404

Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

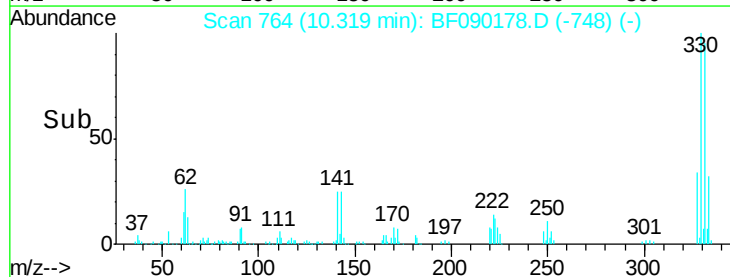
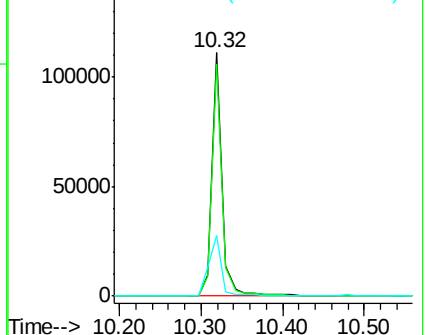
141 33.2 23.9 35.9

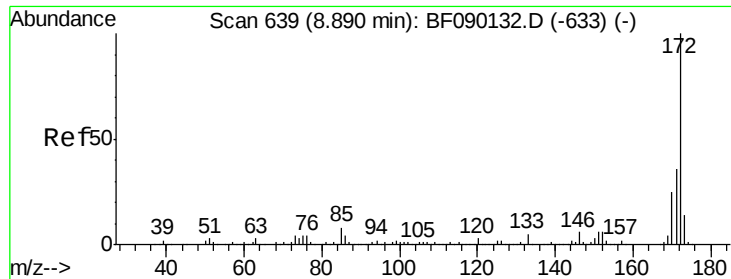


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

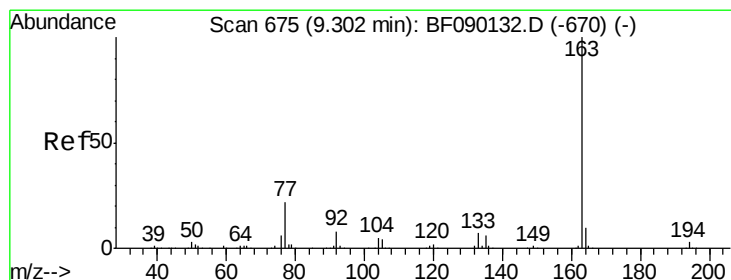
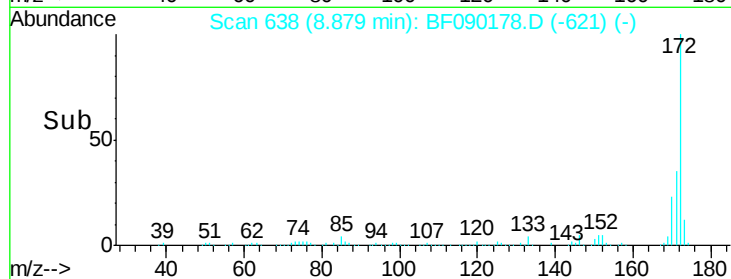
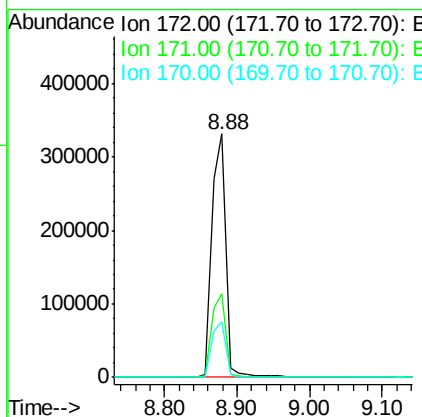
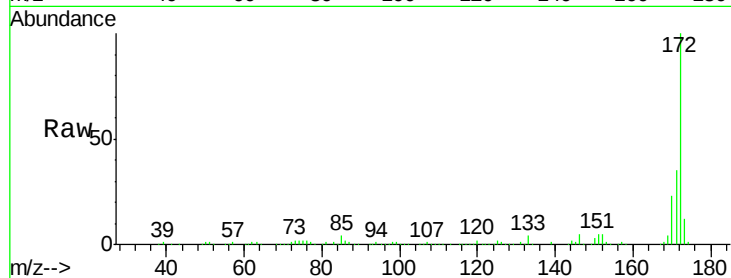




#44
 2-Fluorobiphenyl
 Concen: 25.67 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

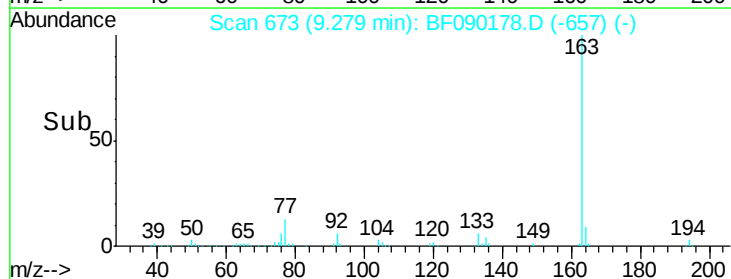
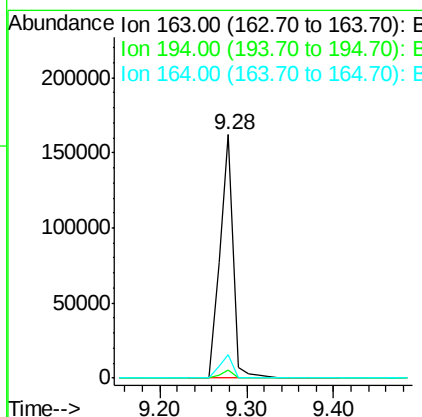
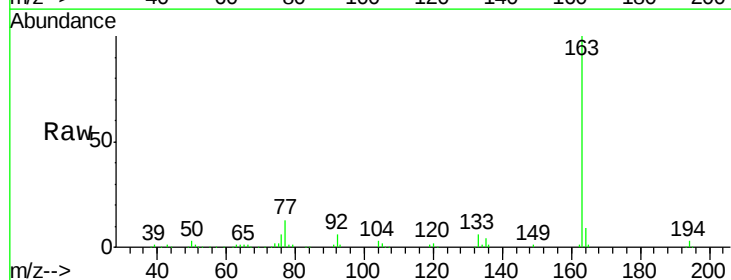
Instrument :
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 BH-3-4-5FT

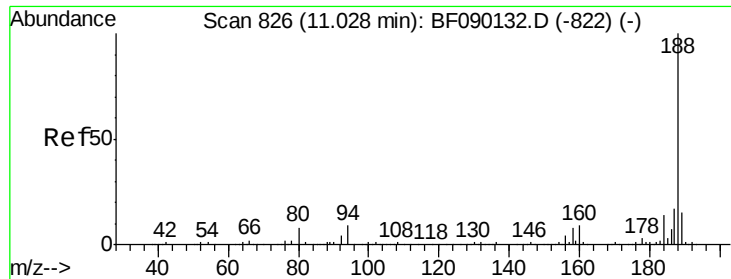
Tgt Ion:172 Resp: 443407
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.2 43.8
 170 23.0 19.8 29.8



#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

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

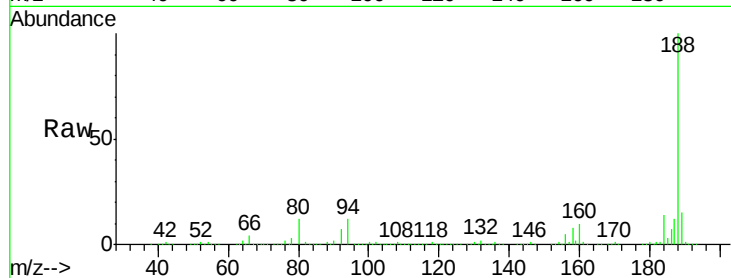




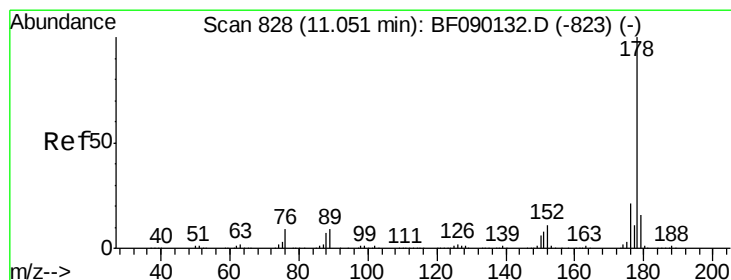
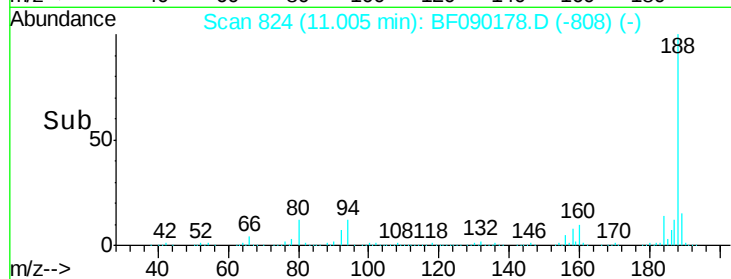
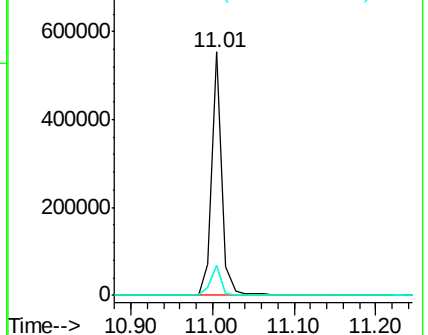
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

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

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

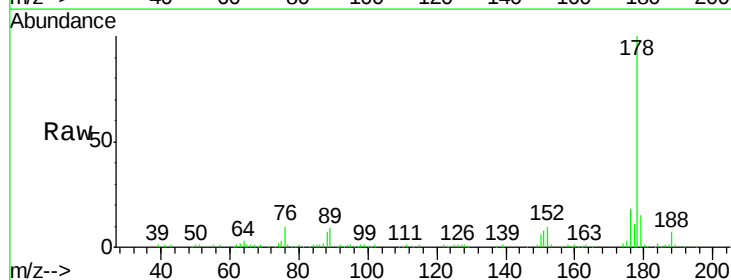


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

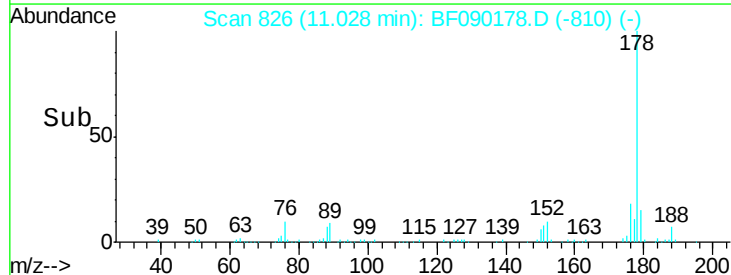
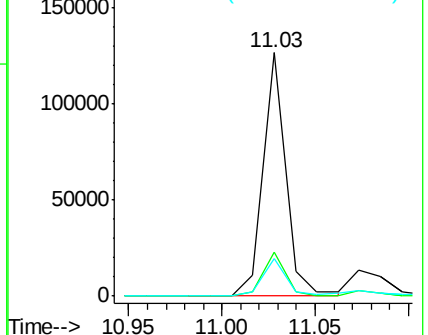


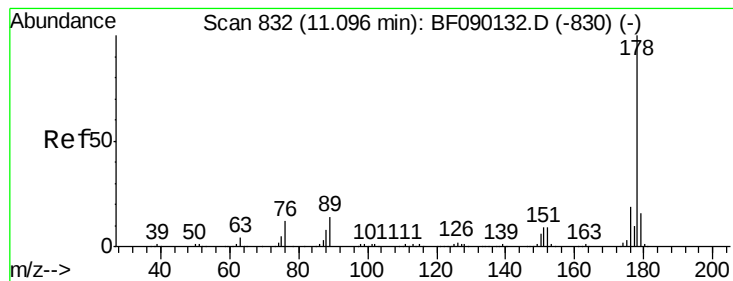
#70
 Phenanthrene
 Concen: 4.59 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

Tgt 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





#71

Anthracene

Concen: 4.38 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.07 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

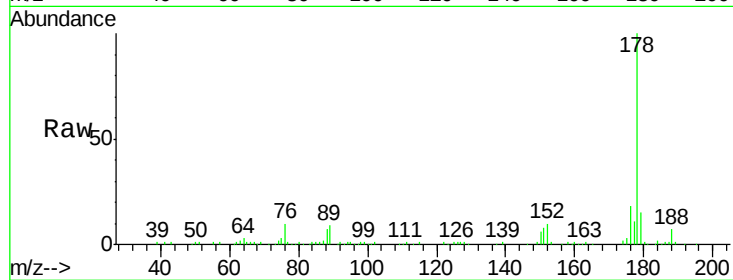
Tgt Ion:178 Resp: 106332

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.6

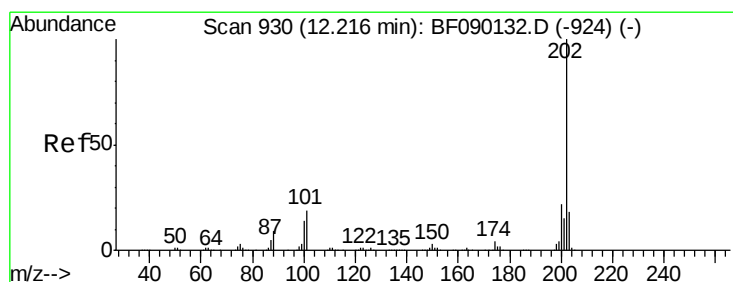
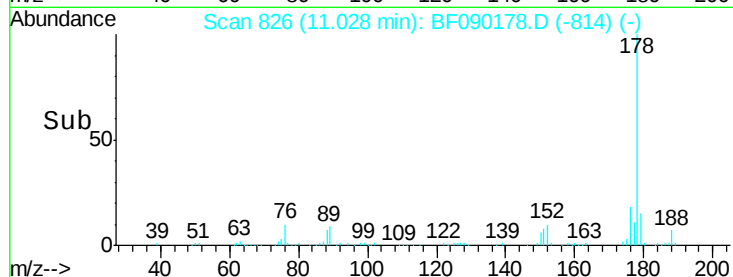
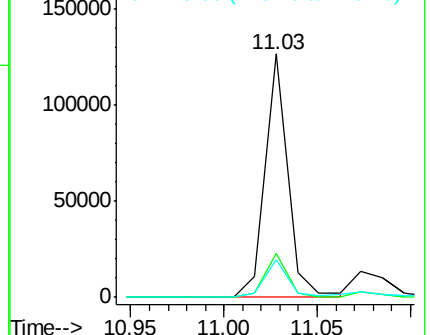
179 15.2 12.6 19.0



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: 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

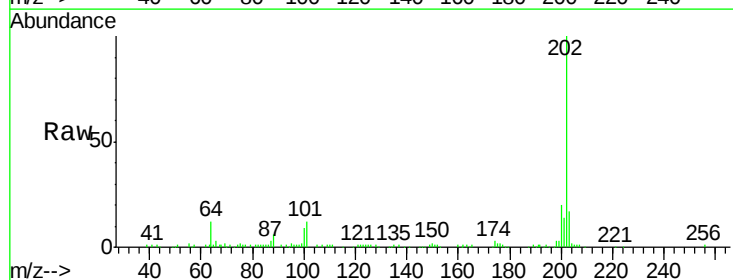
Tgt Ion:202 Resp: 95610

Ion Ratio Lower Upper

202 100

101 11.6 0.0 36.1

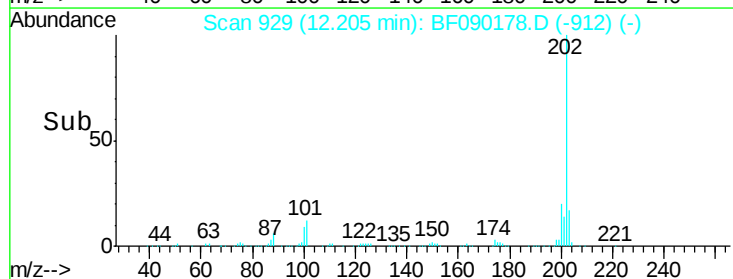
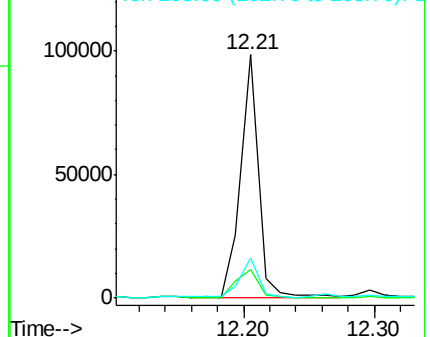
203 16.6 0.0 38.2

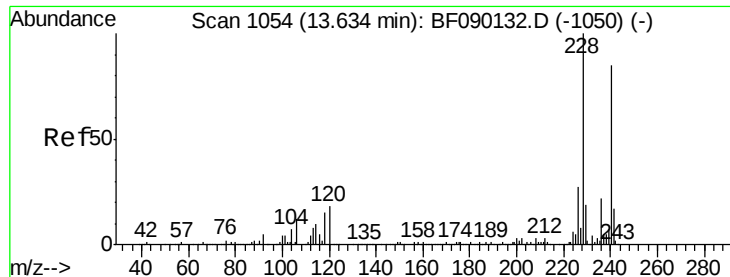


Abundance Ion 202.00 (201.70 to 202.70): E

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

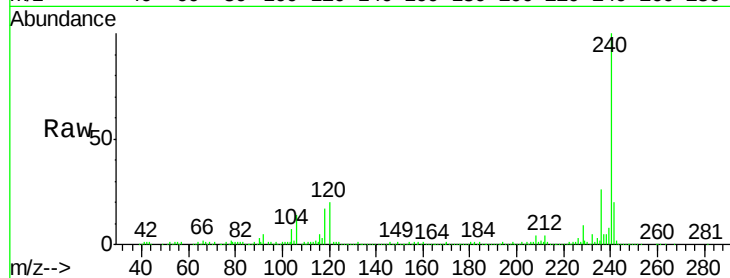
Tgt Ion:240 Resp: 397536

Ion Ratio Lower Upper

240 100

120 20.0 10.6 16.0#

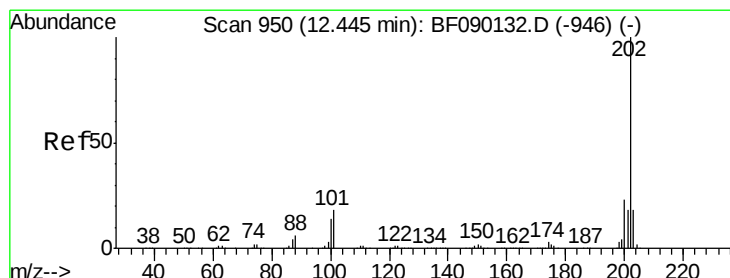
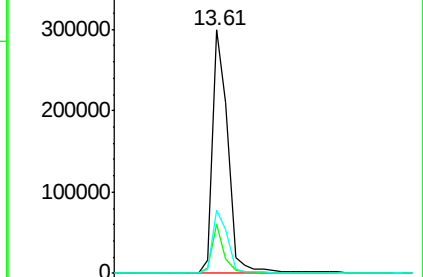
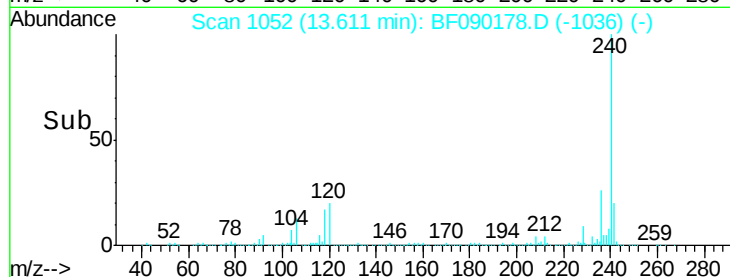
236 26.2 21.6 32.4



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

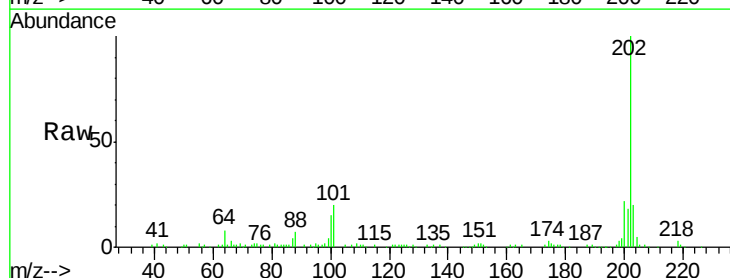
Tgt Ion:202 Resp: 99668

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

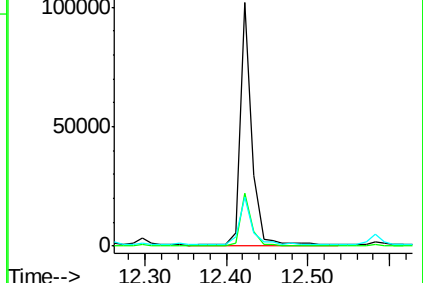
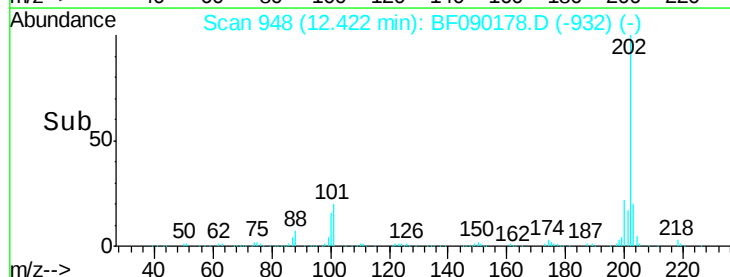
203 20.1 14.2 21.4

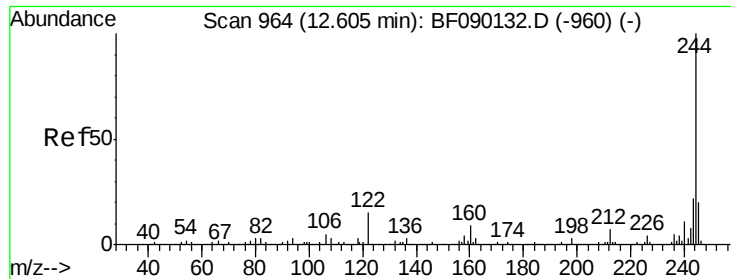


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

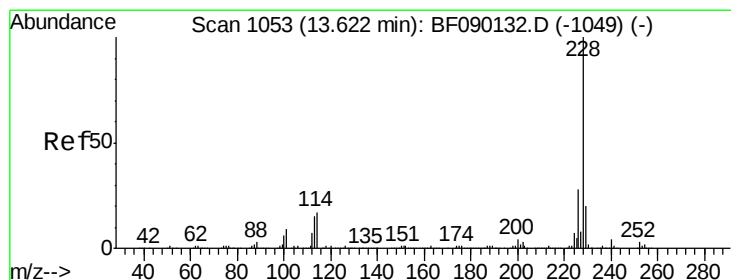
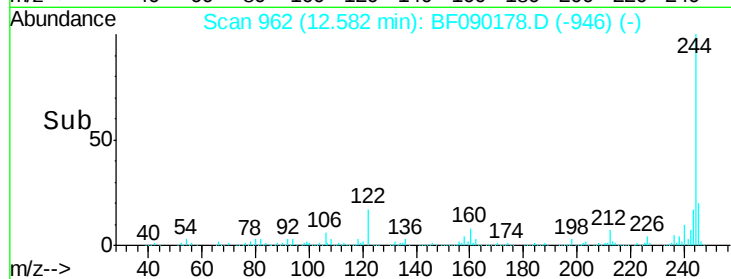
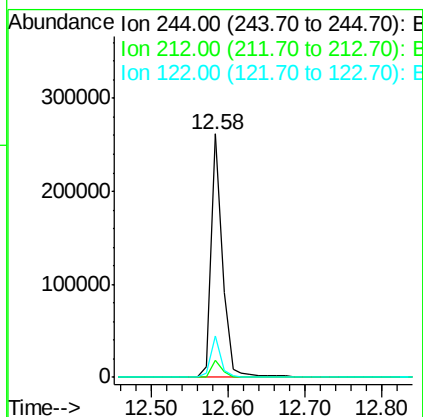
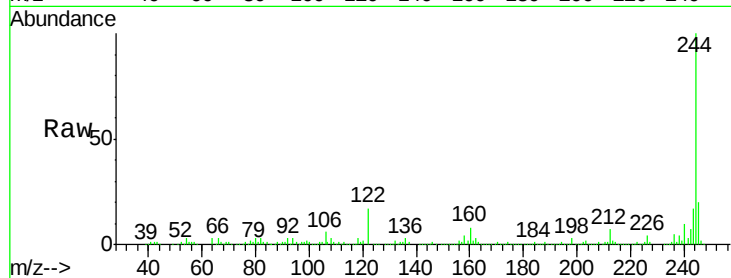




#78
 Terphenyl-d14
 Concen: 17.14 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090178.D
 Acq: 22 Sep 2016 00:06

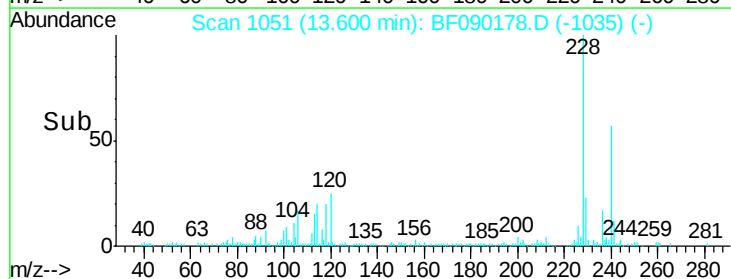
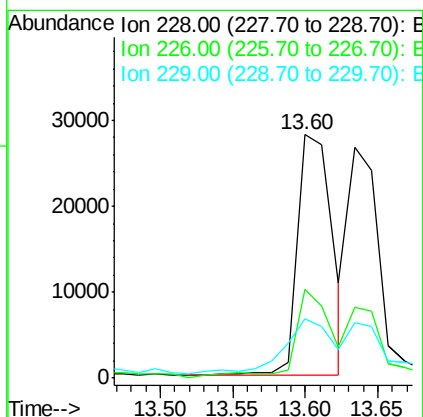
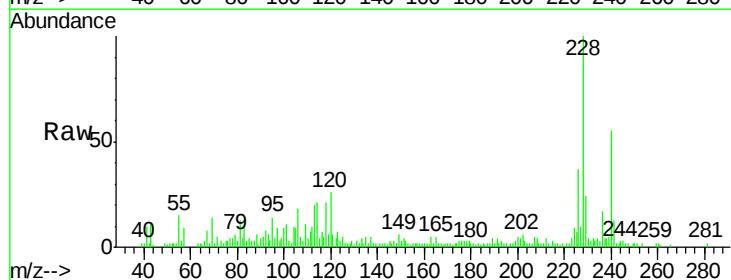
Instrument :
 BNA_F
 ClientSampleId :
 BH-3-4-5FT

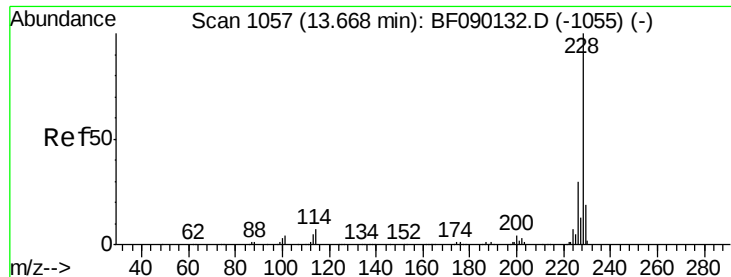
Tgt Ion:244 Resp: 268456
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 17.2 9.4 14.0#



#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





#82

Chrysene

Concen: 2.24 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.07 min

Lab File: BF090178.D

Acq: 22 Sep 2016 00:06

Instrument :

BNA_F

ClientSampleId :

BH-3-4-5FT

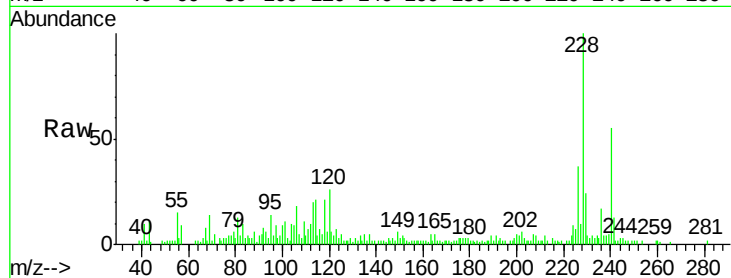
Tgt Ion:228 Resp: 46743

Ion Ratio Lower Upper

228 100

226 36.7 24.6 37.0

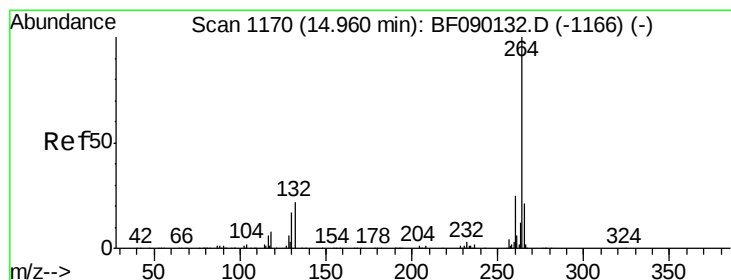
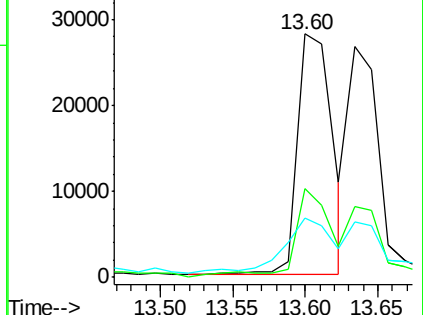
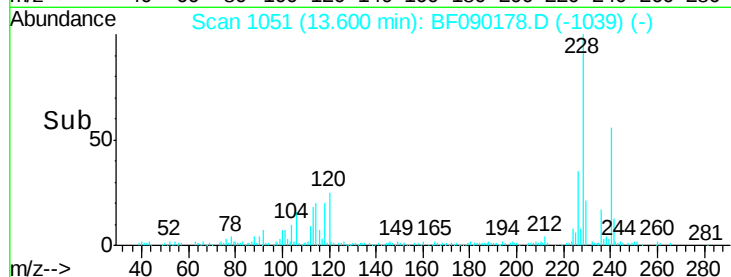
229 24.2 16.2 24.4



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



#86

Perylene-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

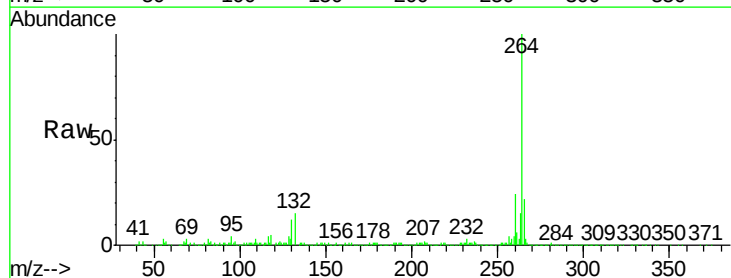
Tgt Ion:264 Resp: 392041

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

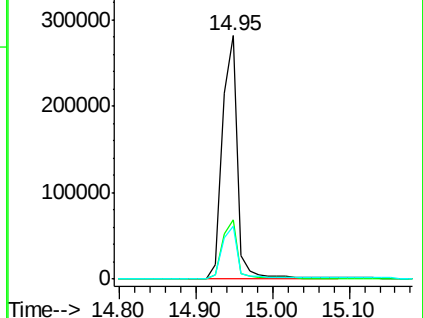
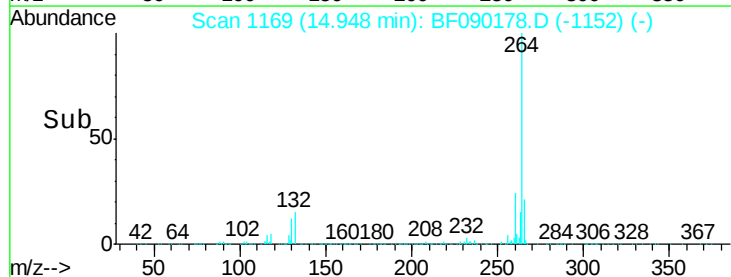
265 21.7 17.0 25.4

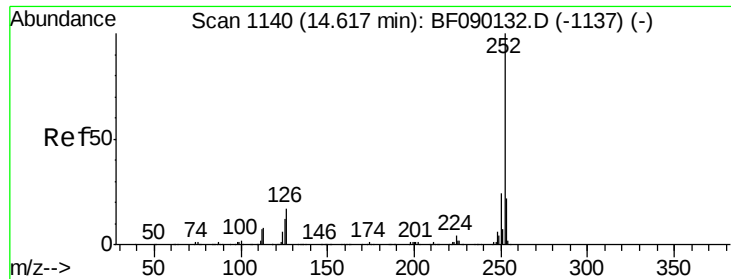


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

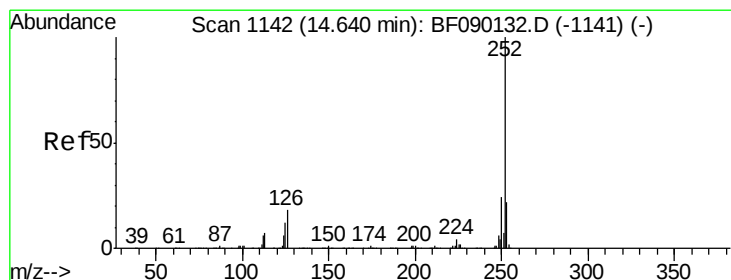
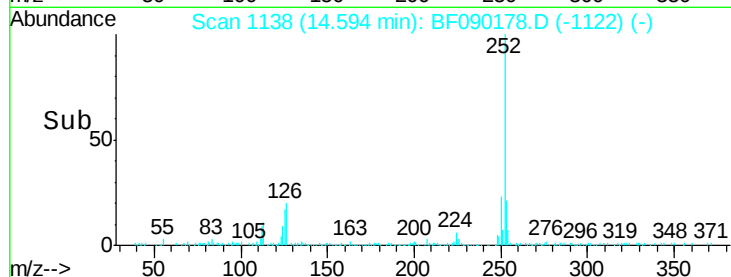
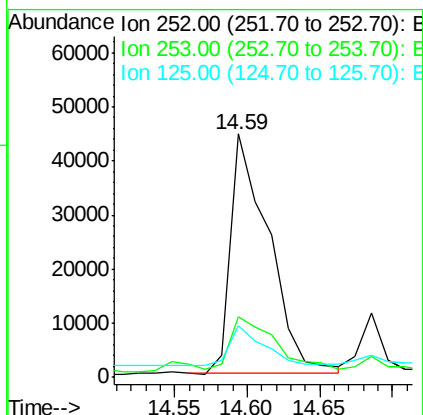
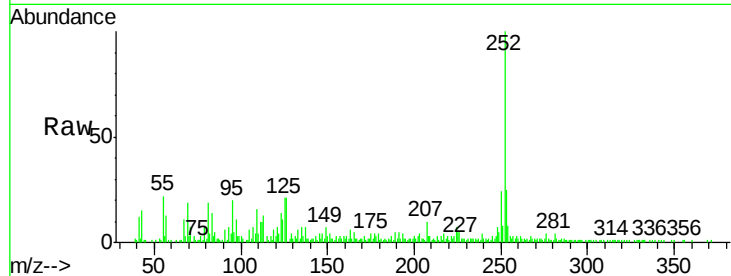




#87
Benzo(b)fluoranthene
Concen: 3.71 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

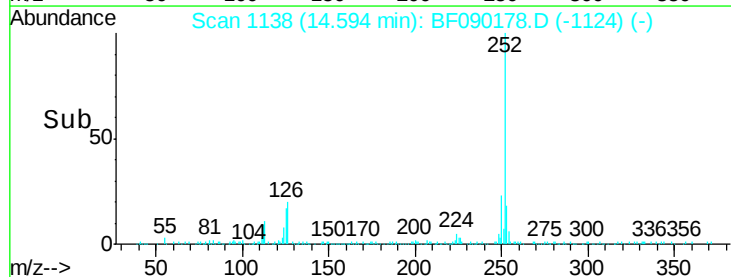
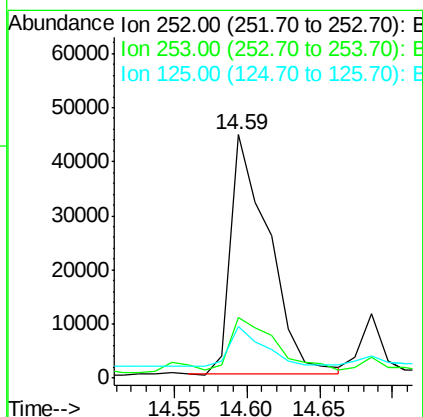
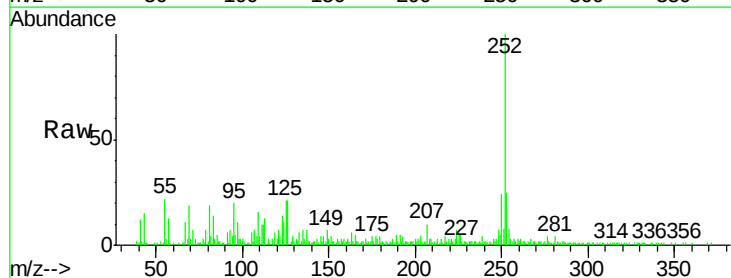
Instrument :
BNA_F
ClientSampleId :
BH-3-4-5FT

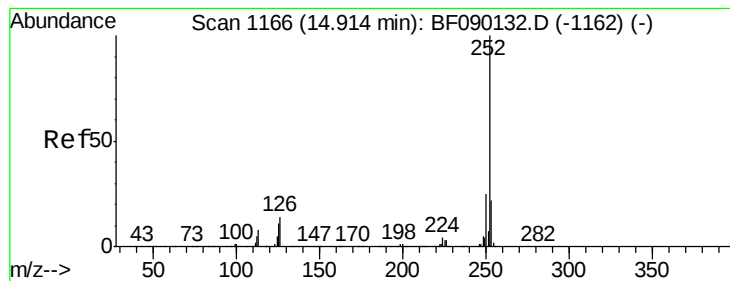
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	21.1	12.7	19.1#



#88
Benzo(k)fluoranthene
Concen: 3.95 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.05 min
Lab File: BF090178.D
Acq: 22 Sep 2016 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	21.1	7.8	11.6#





#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

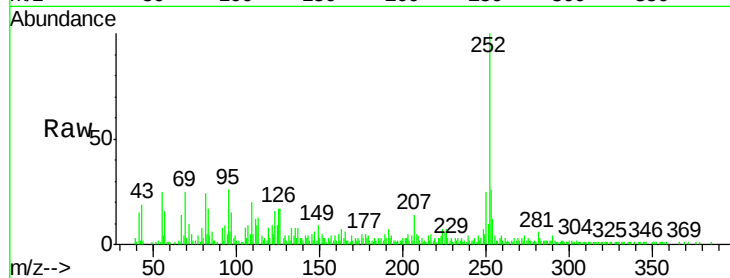
Tgt Ion: 252 Resp: 42206

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

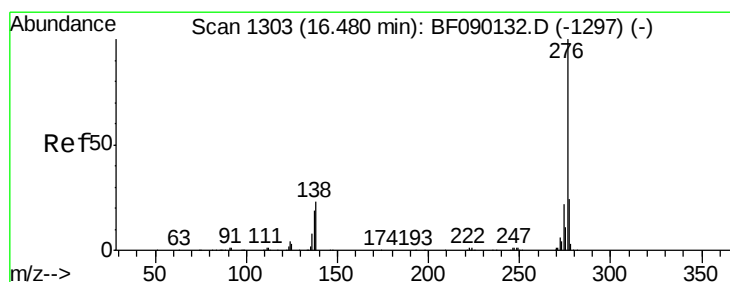
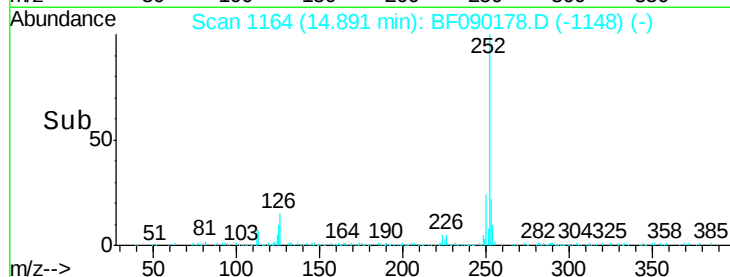
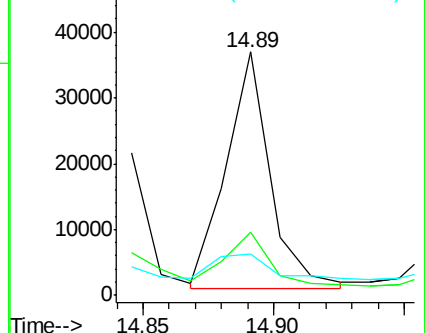
125 16.9 7.7 11.5#



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: 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

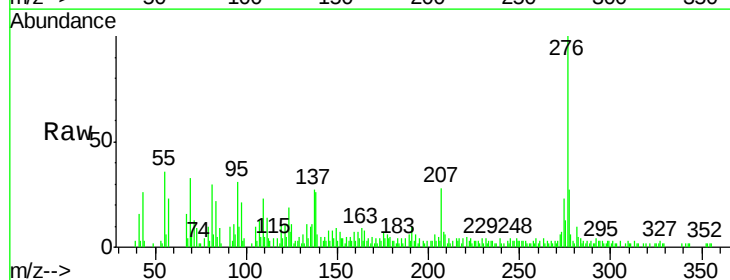
Tgt Ion: 276 Resp: 33431

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 26.4 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

