

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101582.D
 Acq On : 20 Dec 2017 21:47
 Operator : SJ/JU
 Sample : I6981-07 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Quant Time: Dec 21 04:09:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142602	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	521409	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	193603	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	300644	20.00	ng	0.00
75) Chrysene-d12	13.97	240	303934	20.00	ng	0.00
86) Perylene-d12	15.44	264	293770	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	533576	55.74	ng	0.00
7) Phenol-d6	6.43	99	637067	53.47	ng	0.00
23) Nitrobenzene-d5	7.36	82	374537	39.99	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	84760	45.44	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	522525	41.87	ng	0.00
78) Terphenyl-d14	12.90	244	395140	31.34	ng	-0.01

Target Compounds

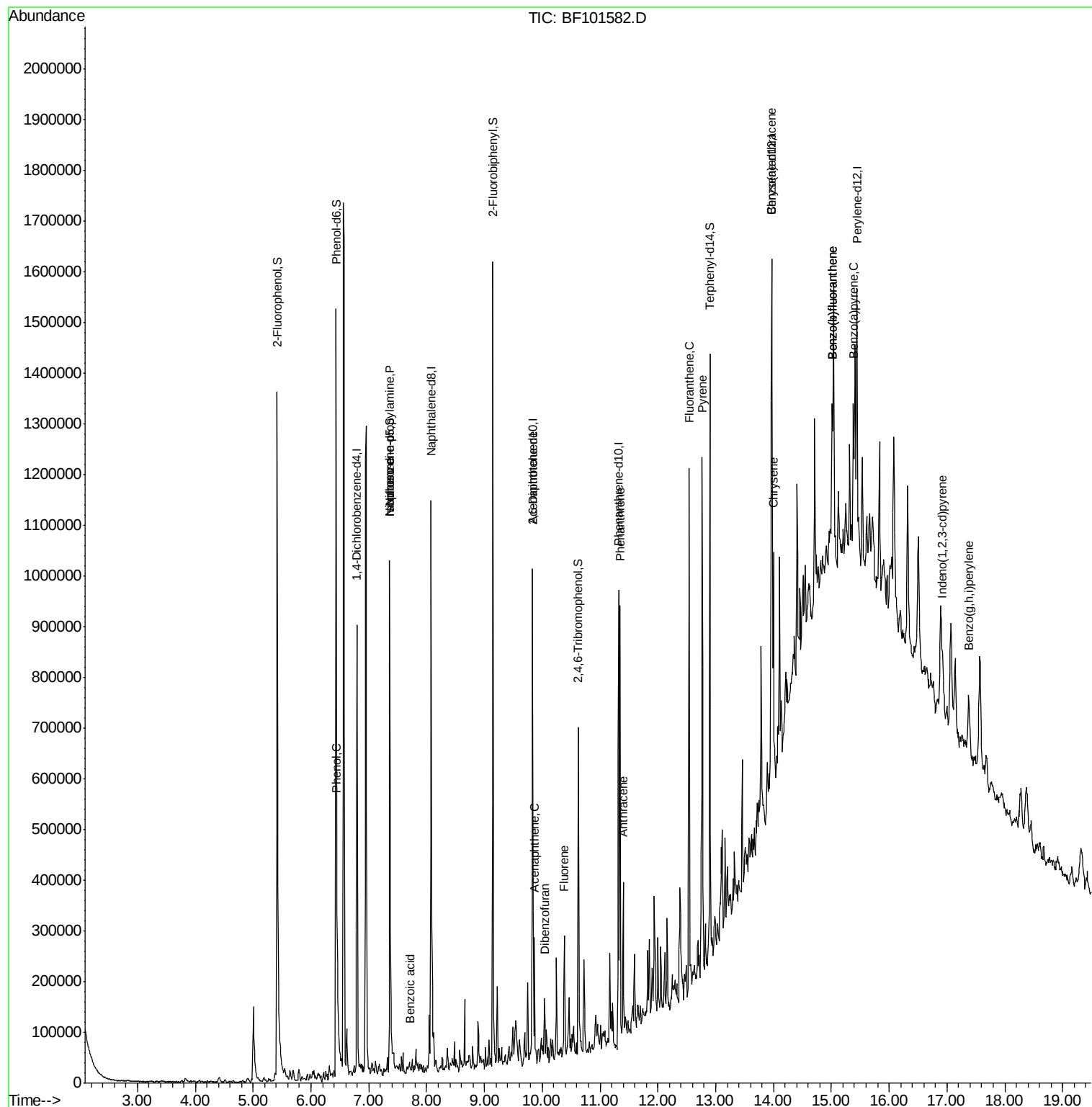
						Qvalue
10) Phenol	6.45	94	29127	2.145	ng	# 69
19) n-Nitroso-di-n-propylamine	7.36	70	51705	6.608	ng	# 82
25) Isophorone	7.36	82	374537	19.932	ng	# 64
32) Benzoic acid	7.72	122	133	7.983	ng	# 16
50) 2,6-Dinitrotoluene	9.83	165	26735	8.447	ng	# 27
51) Acenaphthene	9.86	154	50012	4.012	ng	98
54) Dibenzofuran	10.04	168	37628	2.375	ng	98
57) Fluorene	10.38	166	67837	5.062	ng	99
70) Phenanthrene	11.35	178	288596	17.261	ng	98
71) Anthracene	11.40	178	118532	6.941	ng	97
74) Fluoranthene	12.54	202	403591	22.998	ng	98
77) Pyrene	12.77	202	387707	16.997	ng	100
80) Benzo(a)anthracene	13.96	228	189176	9.426	ng	97
82) Chrysene	14.00	228	180453	9.523	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	77875	4.615	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	254234	14.198	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	254234	14.603	ng	# 91
89) Benzo(a)pyrene	15.38	252	157334	9.532	ng	# 91
91) Benzo(a,h,i)perylene	17.37	276	80568	5.741	ng	# 94

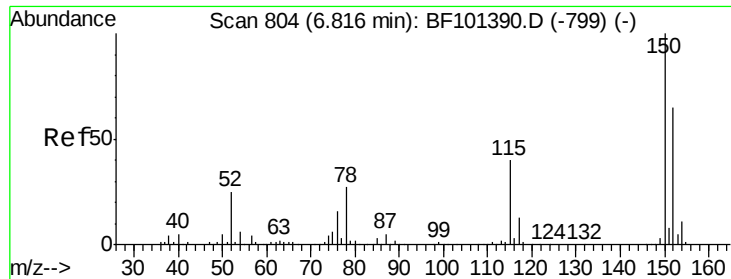
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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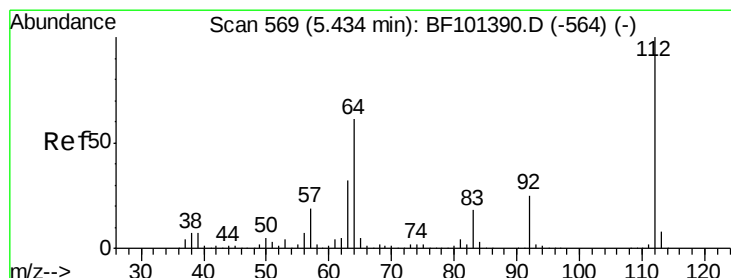
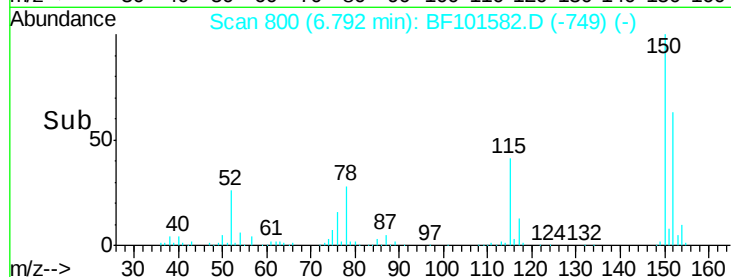
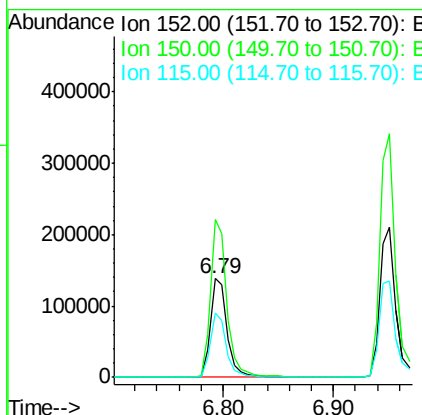
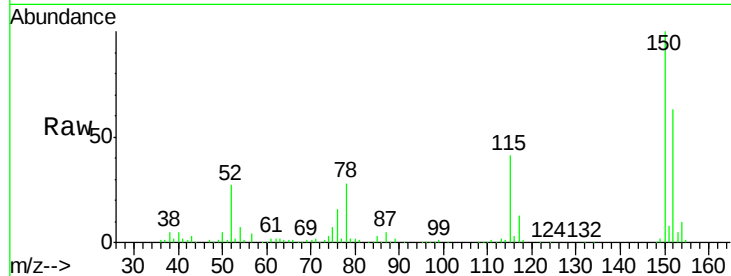


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

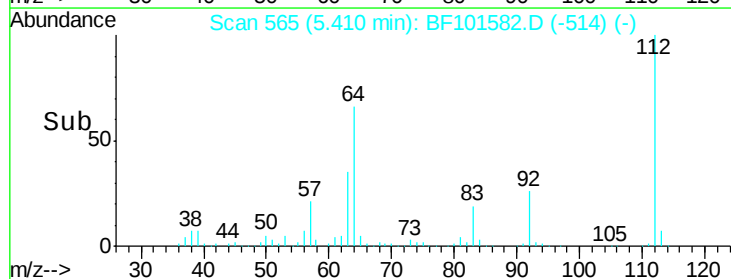
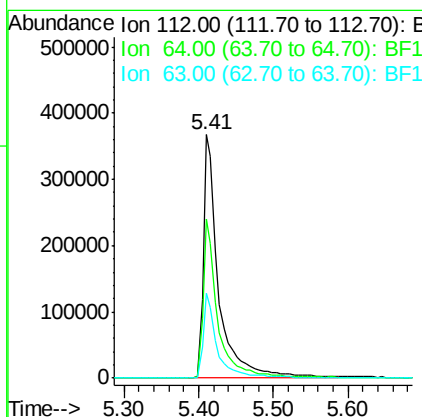
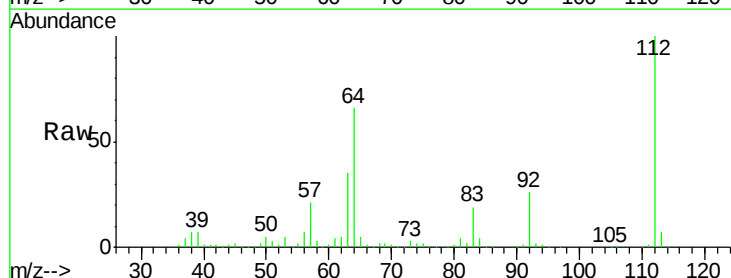
Tot Ion:152 Resp: 142602
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 65.3 50.1 75.1

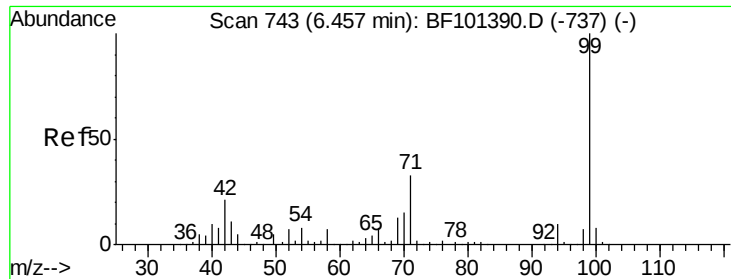


#5

2-Fluorophenol
Concen: 55.736 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion:112 Resp: 533576
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 34.6 23.7 35.5





#7

Phenol-d6

Concen: 53.471 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

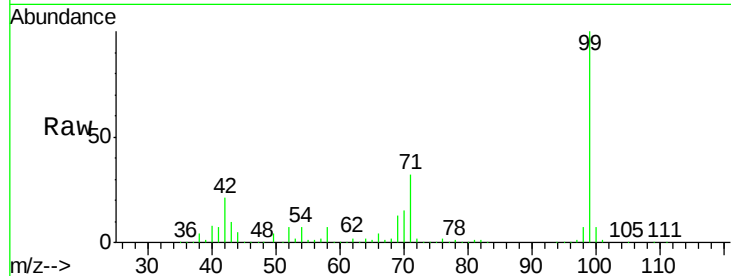
Tot Ion: 99 Resp: 637067

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

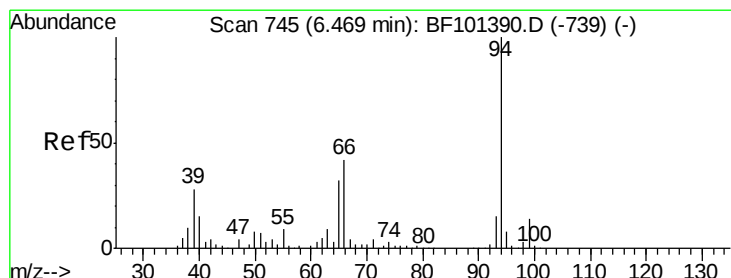
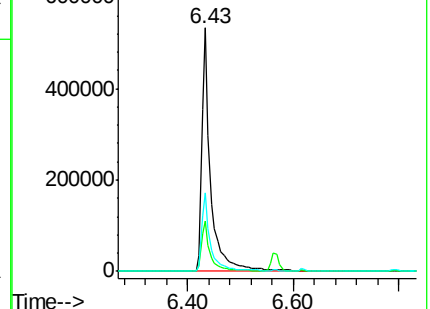
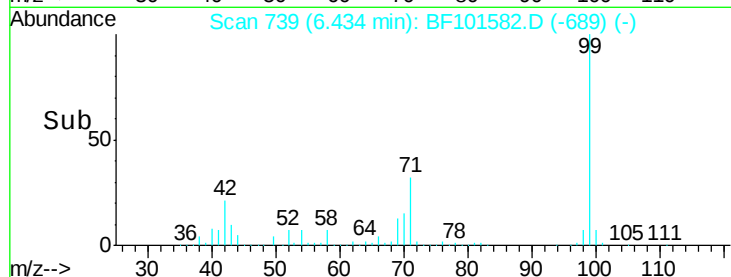
71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.145 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

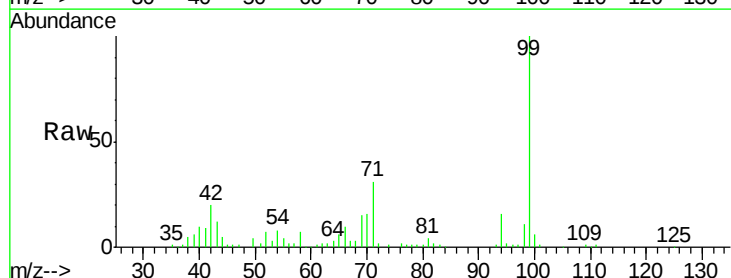
Tgt Ion: 94 Resp: 29127

Ion Ratio Lower Upper

94 100

65 34.3 7.9 47.9

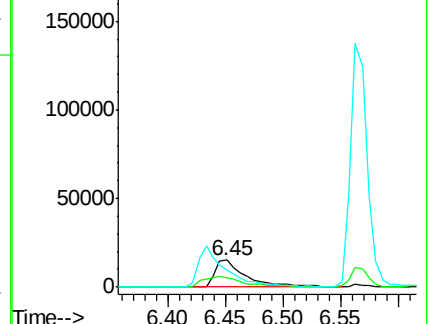
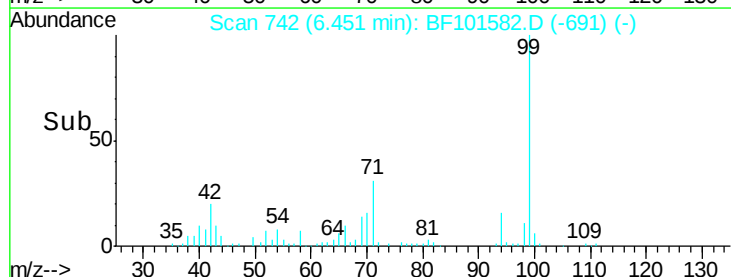
66 62.9 16.2 56.2#

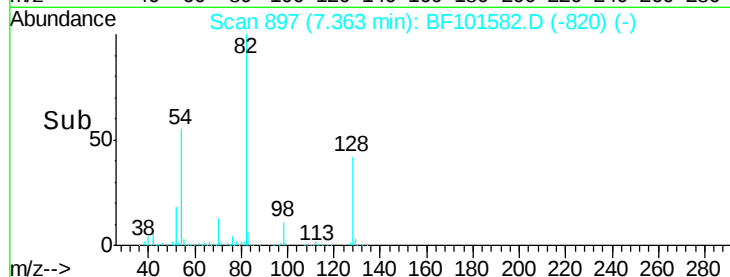
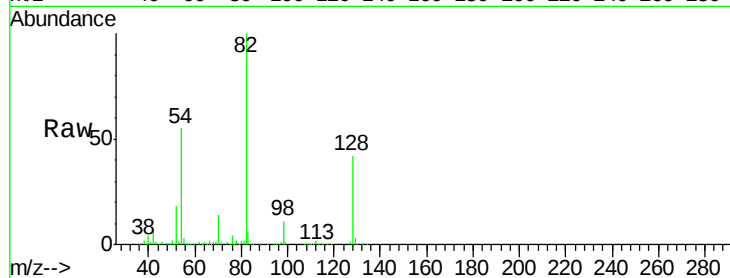
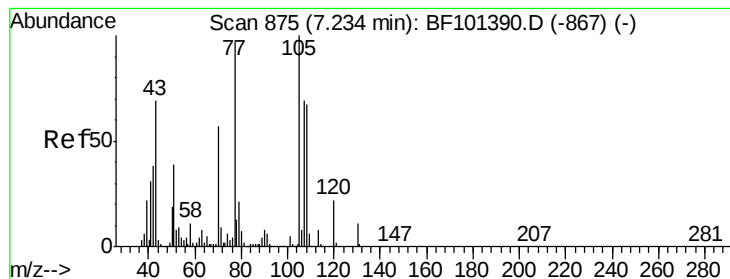


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 6.608 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

Tot Ion: 70 Resp: 51705

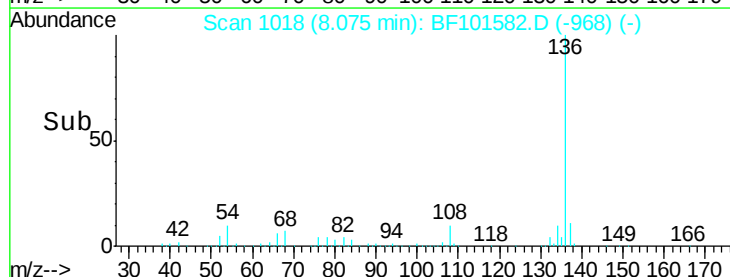
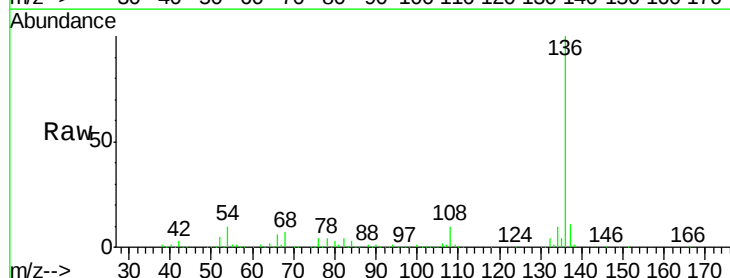
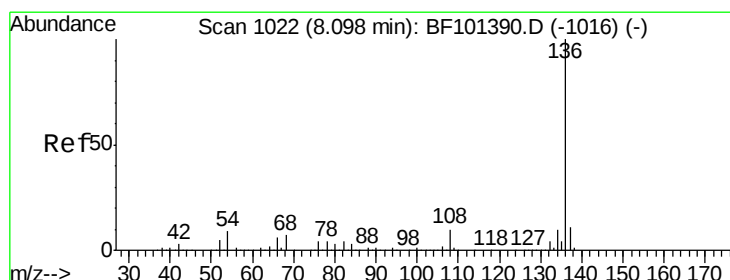
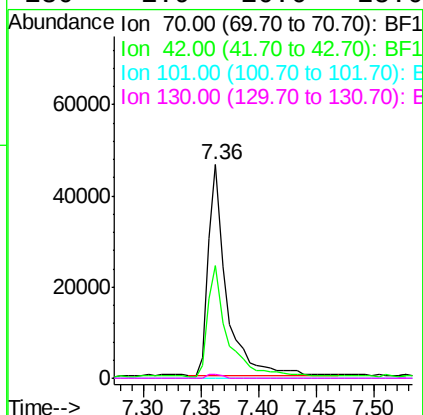
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Tgt Ion: 136 Resp: 521409

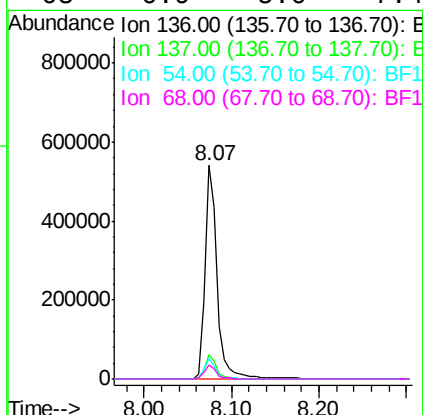
Ion Ratio Lower Upper

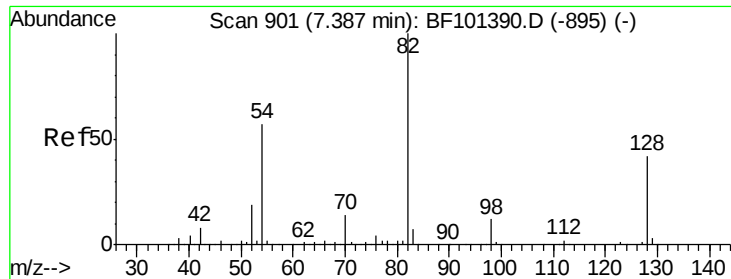
136 100

137 11.3 8.9 13.3

54 9.5 6.6 9.8

68 6.9 5.0 7.4

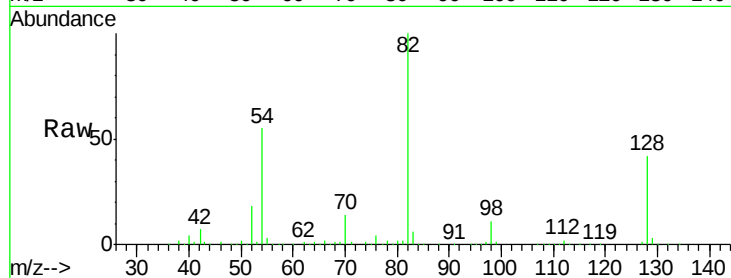




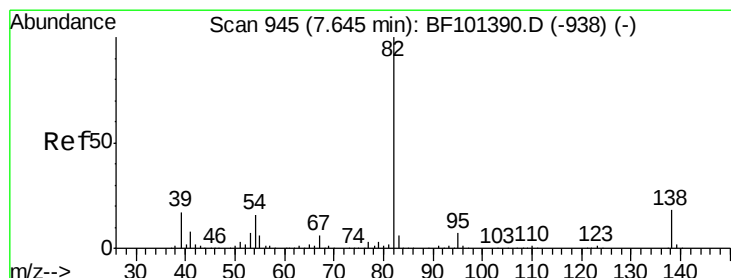
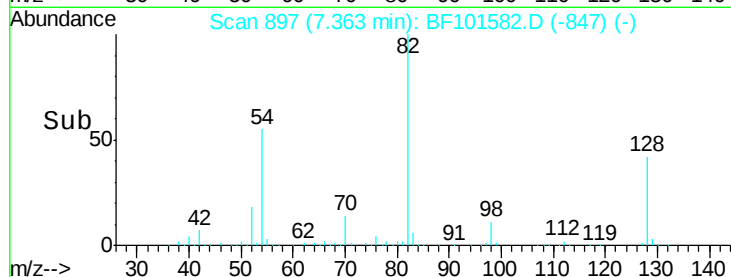
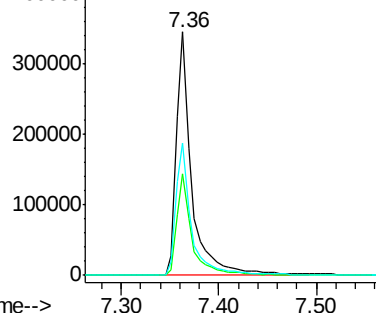
#23
 Nitrobenzene-d5
 Concen: 39.986 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	54.5	41.4	62.2

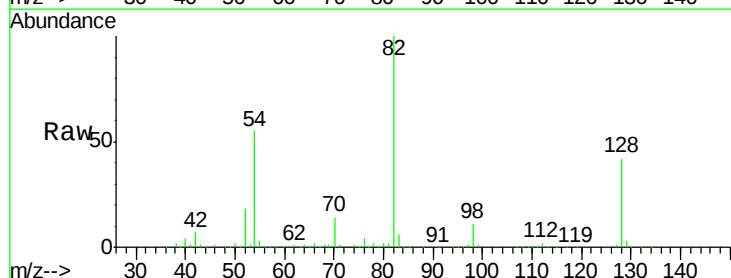


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

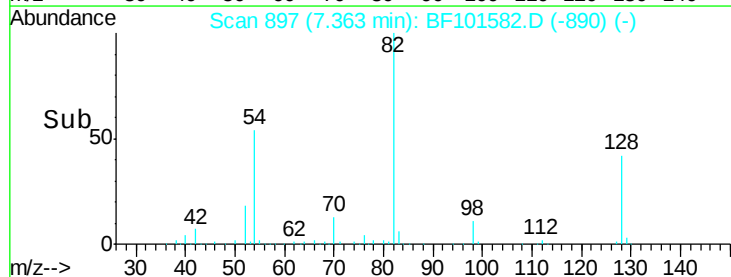
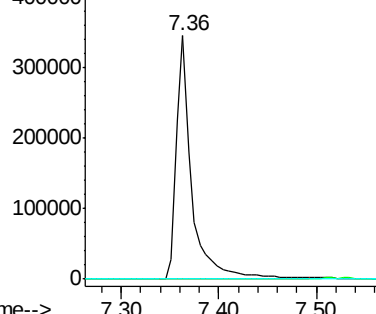


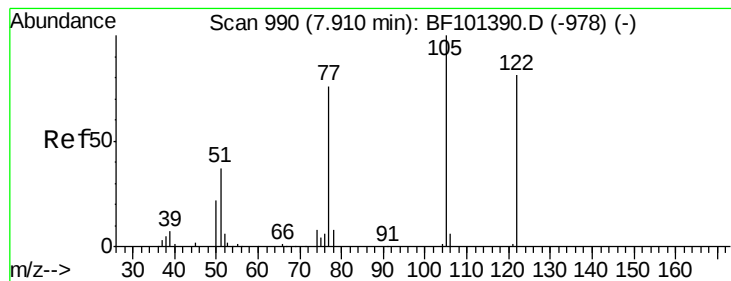
#25
 Isophorone
 Concen: 19.932 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 7.983 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.18 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

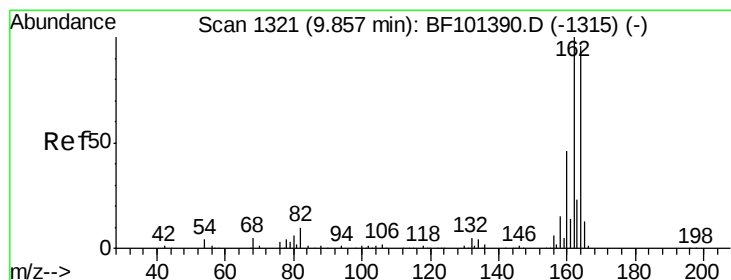
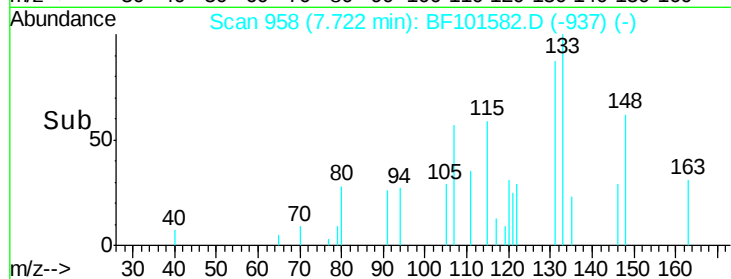
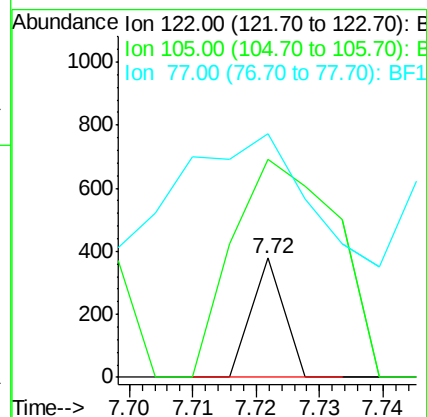
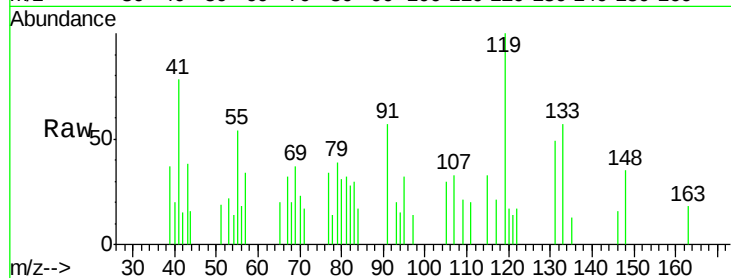
Tot Ion:122 Resp: 133

Ion Ratio Lower Upper

122 100

105 183.8 101.1 141.1#

77 204.8 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

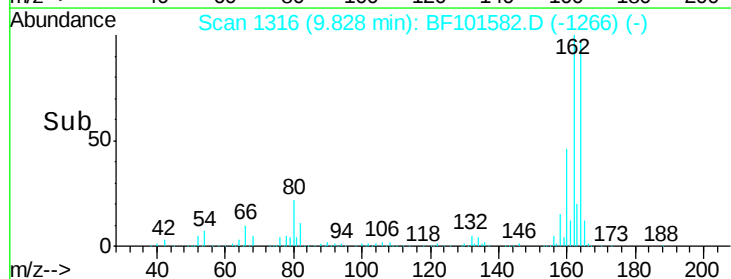
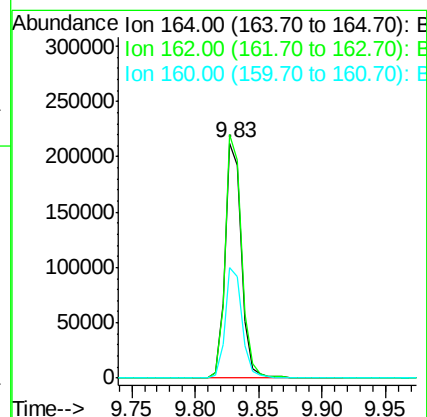
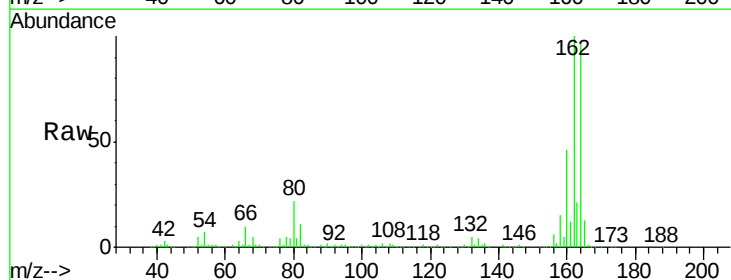
Tgt Ion:164 Resp: 193603

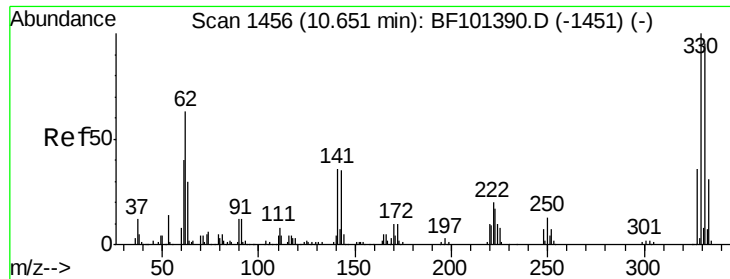
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 47.2 38.3 57.5

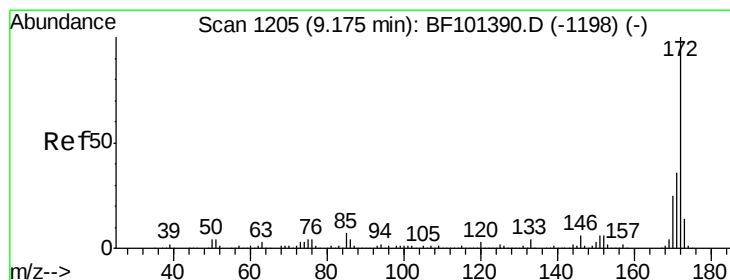
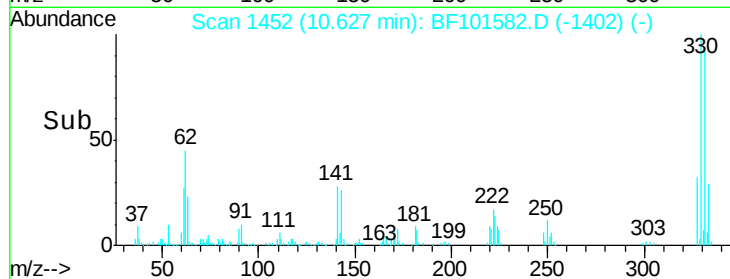
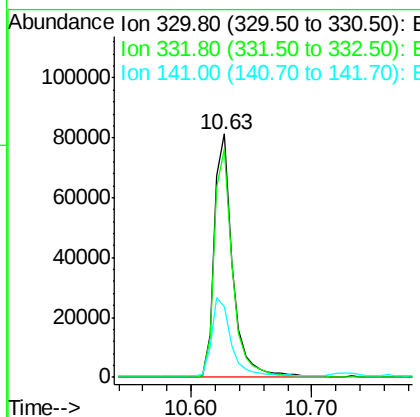
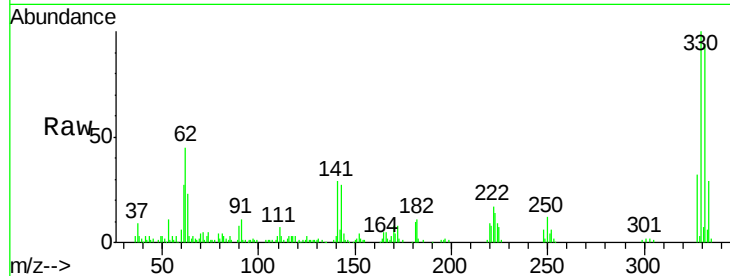




#41
 2,4,6-Tribromophenol
 Concen: 45.435 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

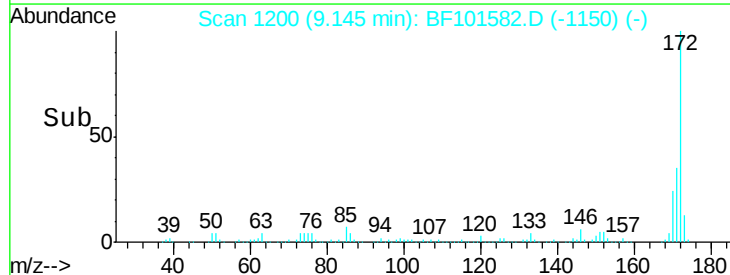
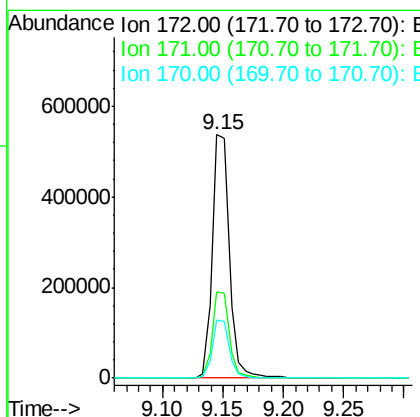
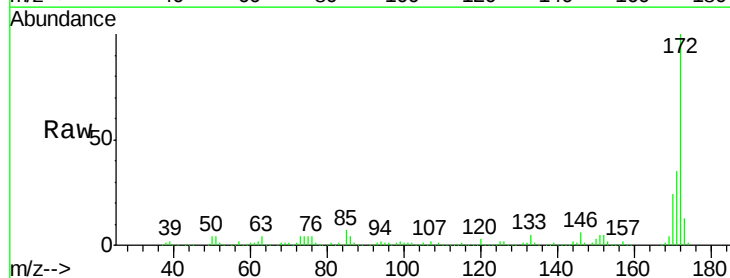
Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

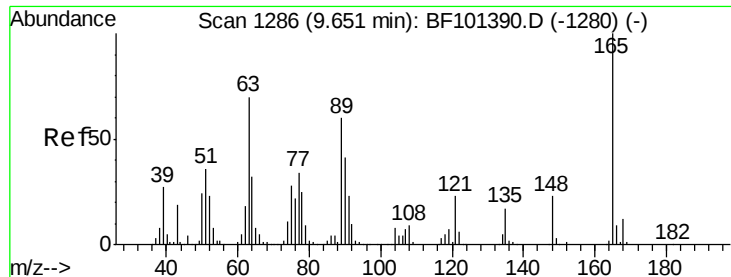
Tot Ion:330 Resp: 84760
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 34.4 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 41.867 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Tgt Ion:172 Resp: 522525
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.0 19.6 29.4

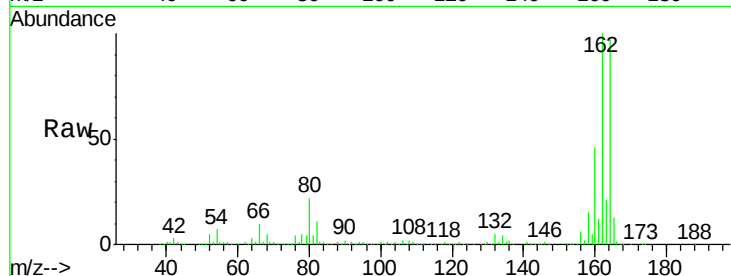




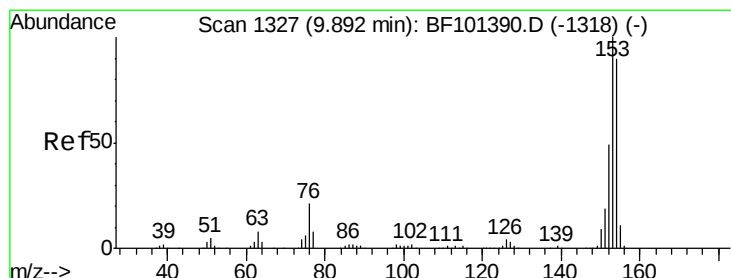
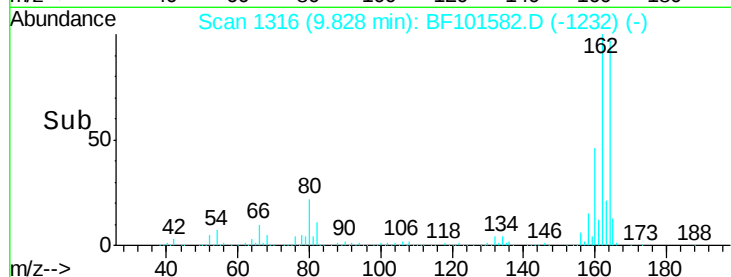
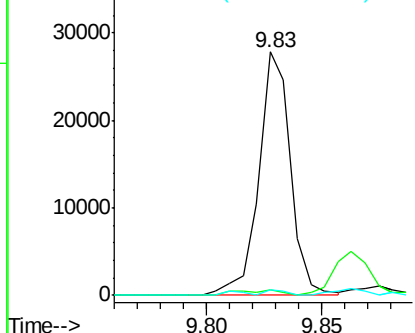
#50
2,6-Dinitrotoluene
Concen: 8.447 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tot Ion:165 Resp: 26735
Ion Ratio Lower Upper
165 100
63 2.2 44.7 67.1#
89 2.2 44.0 66.0#

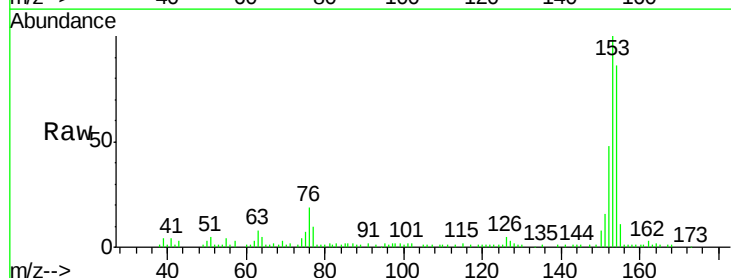


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

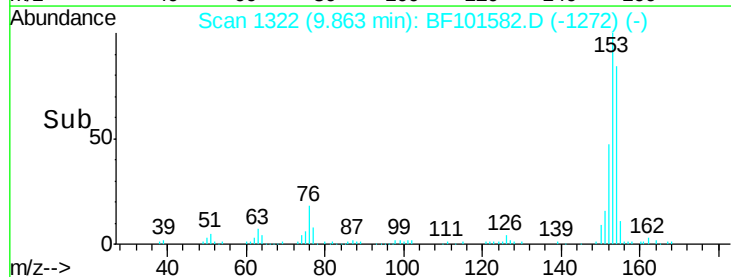
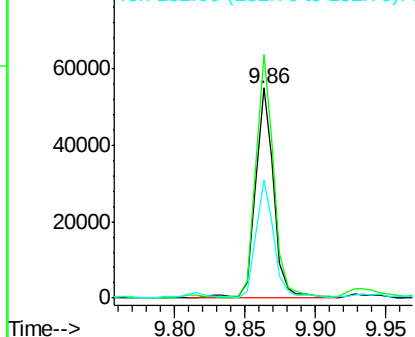


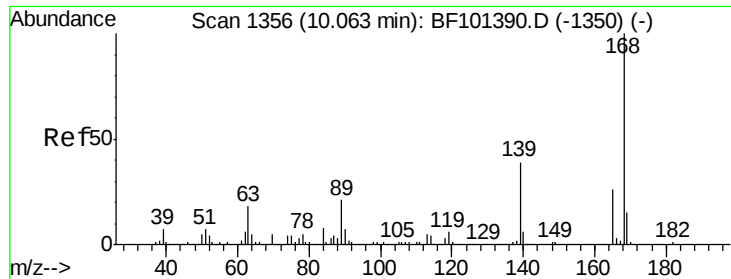
#51
Acenaphthene
Concen: 4.012 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion:154 Resp: 50012
Ion Ratio Lower Upper
154 100
153 116.0 91.2 136.8
152 56.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 2.375 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

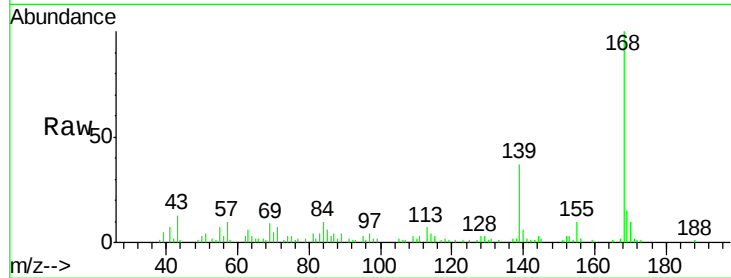
Tot Ion:168 Resp: 37628

Ion Ratio Lower Upper

168 100

139 36.6 30.1 45.1

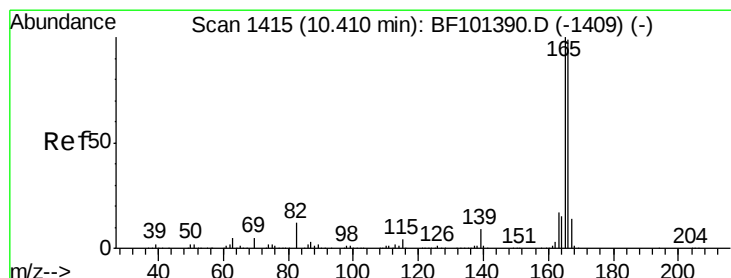
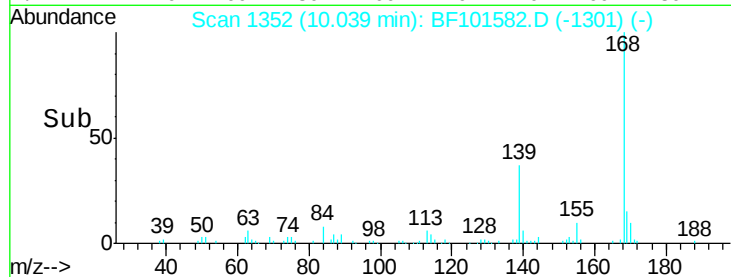
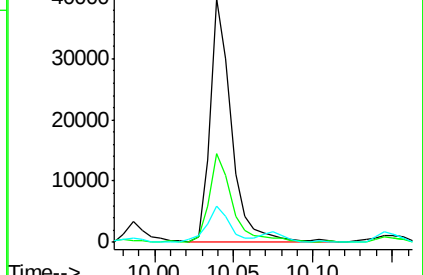
169 15.1 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 5.062 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

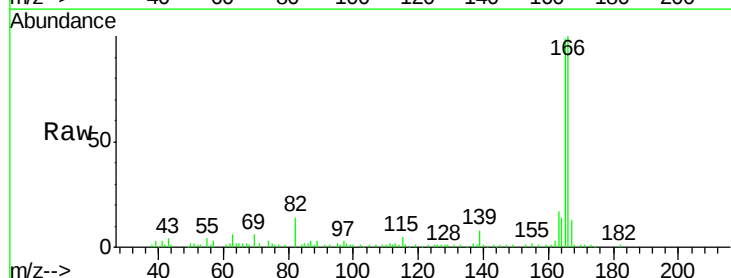
Tgt Ion:166 Resp: 67837

Ion Ratio Lower Upper

166 100

165 98.7 79.8 119.8

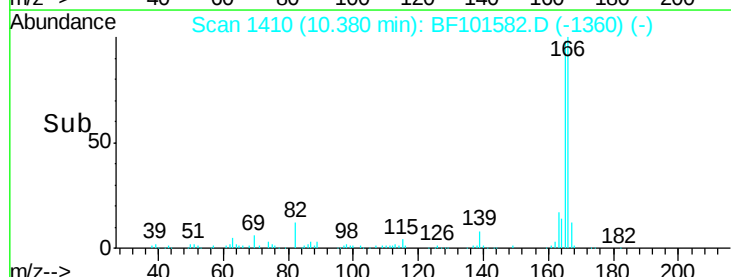
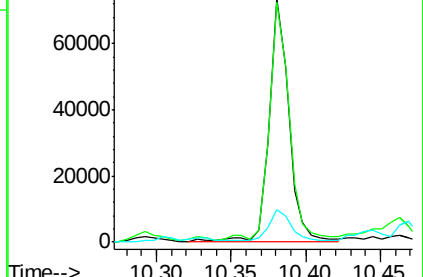
167 13.1 10.6 16.0

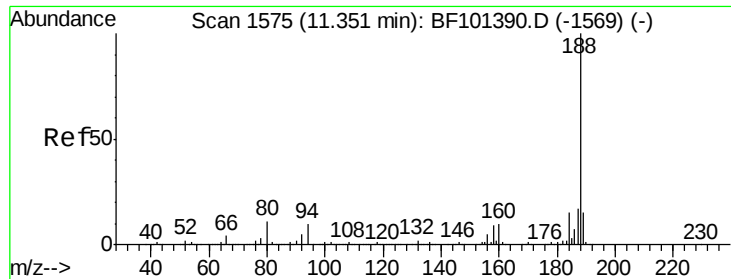


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

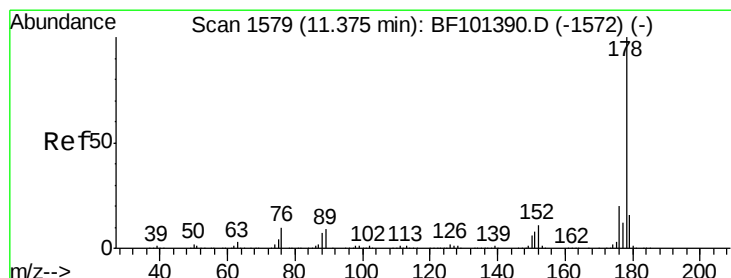
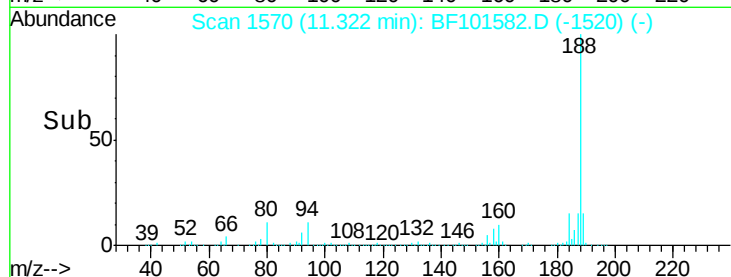
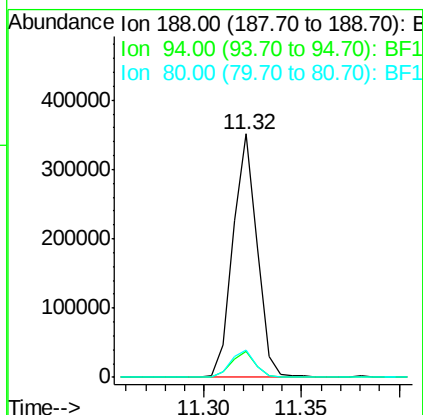
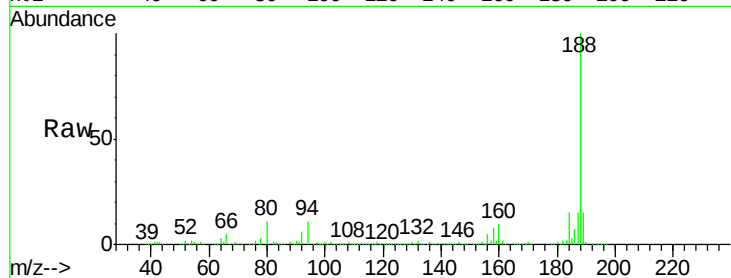




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

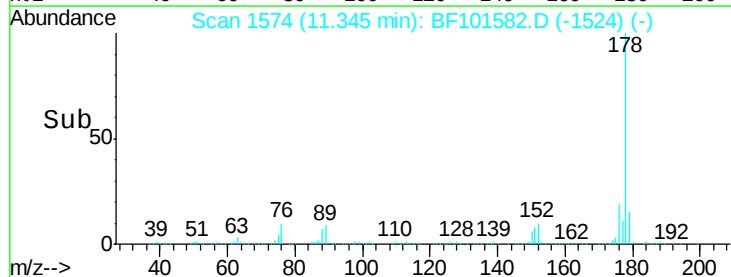
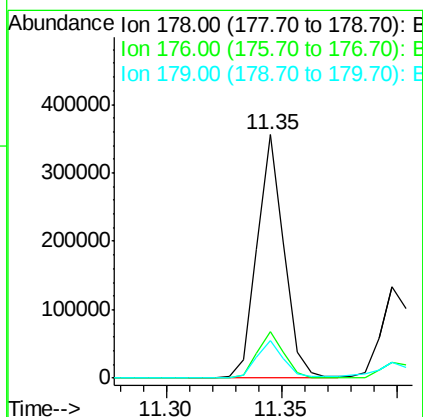
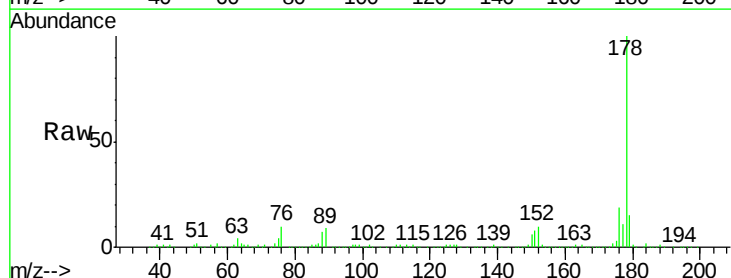
Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

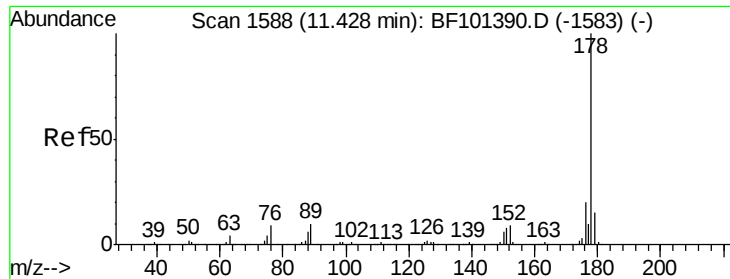
Tot Ion:188 Resp: 300644
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.4 9.2 13.8



#70
Phenanthrene
Concen: 17.261 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion:178 Resp: 288596
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 13.0 19.6

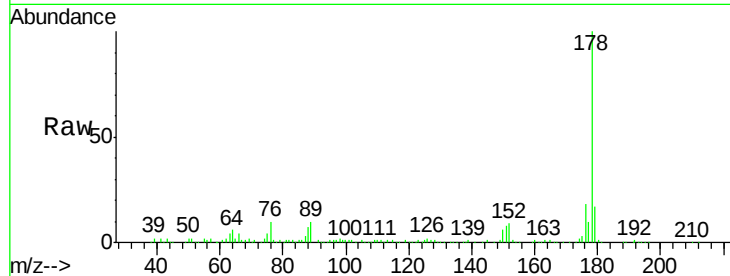




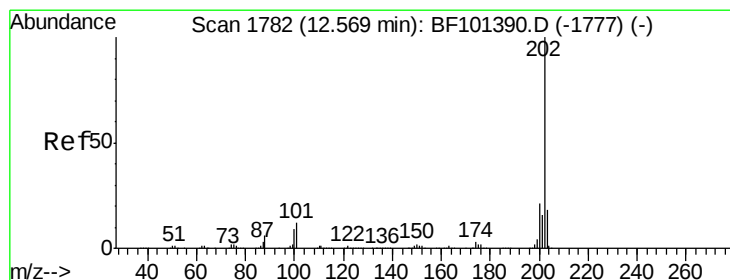
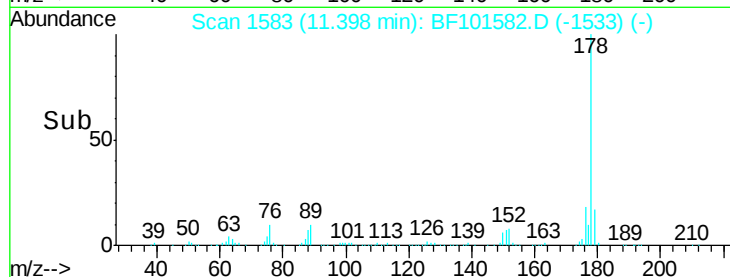
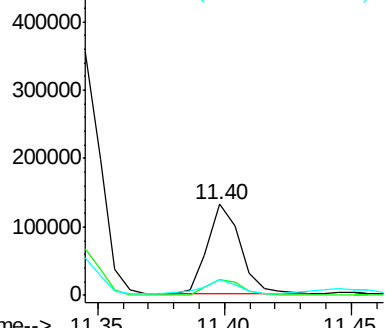
#71
 Anthracene
 Concen: 6.941 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tot Ion:178 Resp: 118532
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 16.8 12.6 19.0

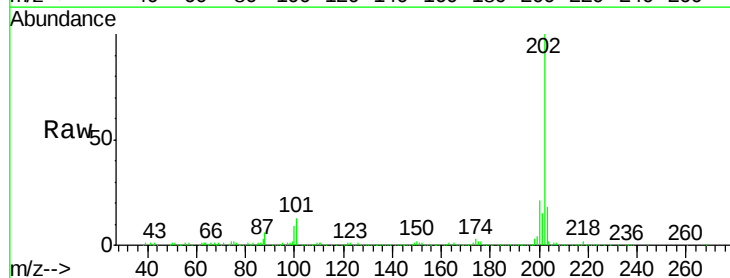


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

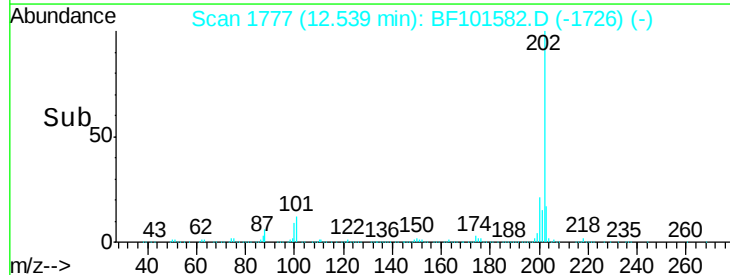
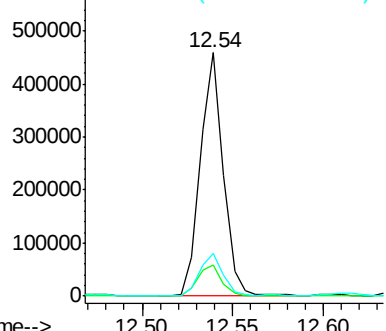


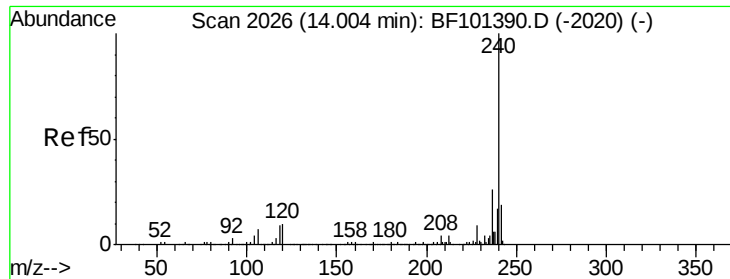
#74
 Fluoranthene
 Concen: 22.998 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Tgt Ion:202 Resp: 403591
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 17.6 0.0 38.1



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

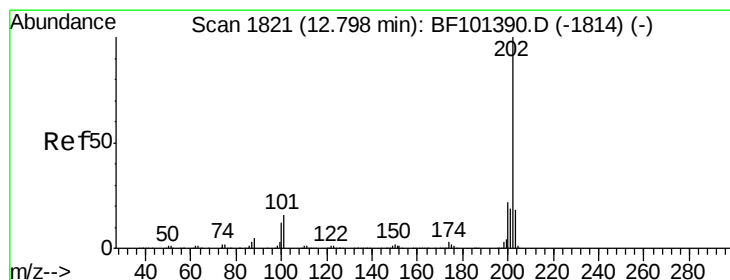
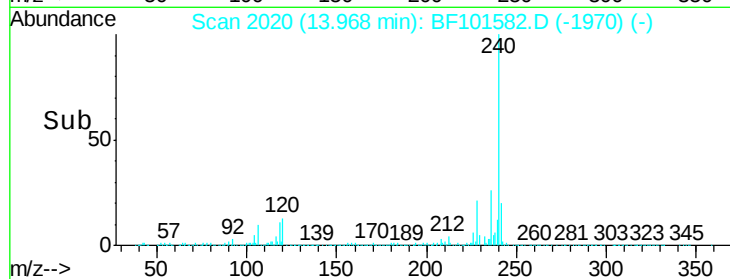
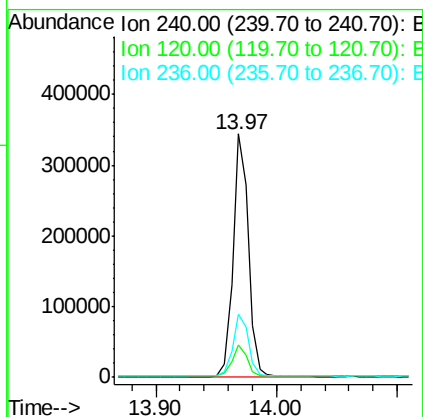
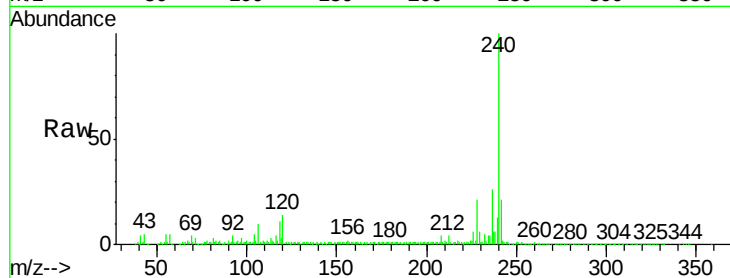




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

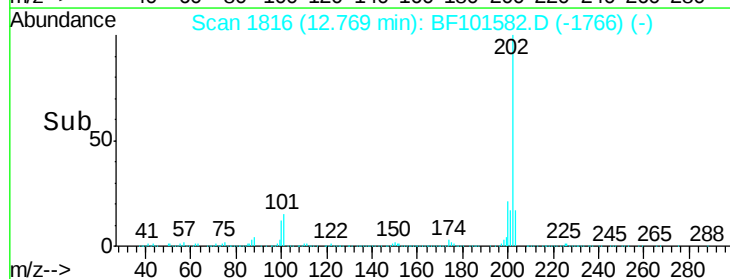
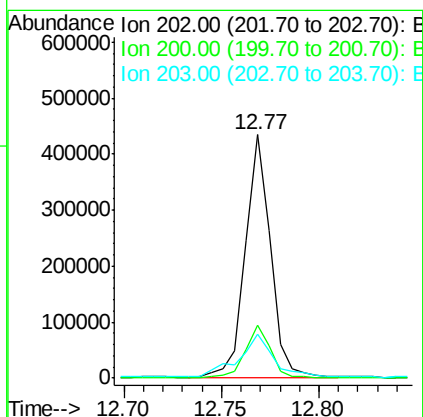
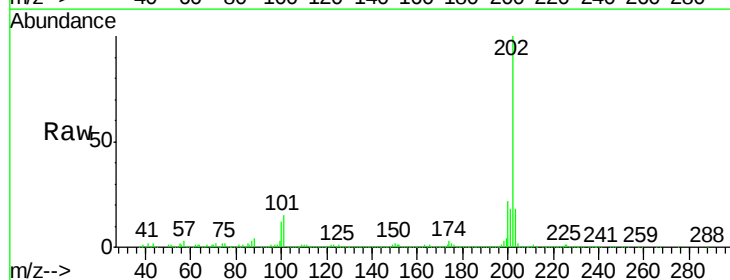
Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

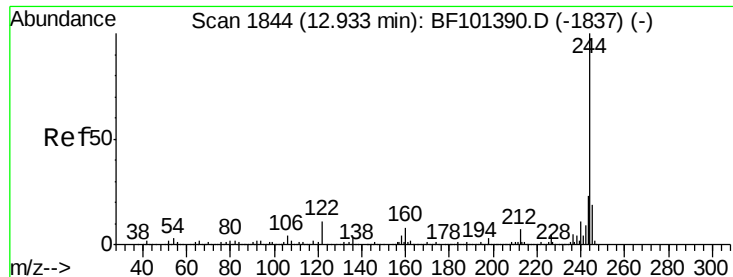
Tot Ion:240 Resp: 303934
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.5 14.3
 236 25.9 20.7 31.1



#77
 Pyrene
 Concen: 16.997 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Tgt Ion:202 Resp: 387707
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 17.9 14.3 21.5

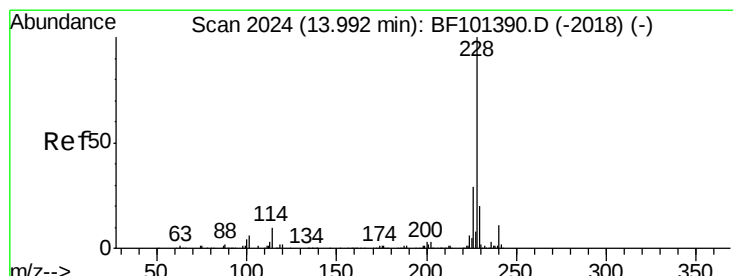
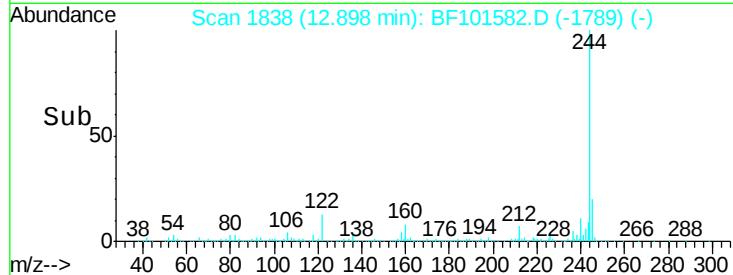
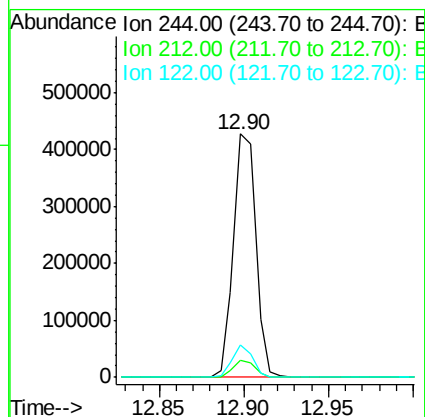
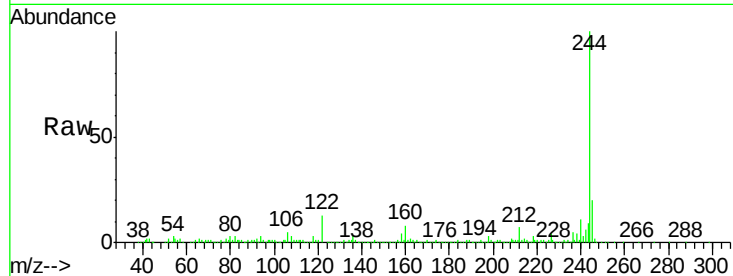




#78
 Terphenyl-d14
 Concen: 31.342 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

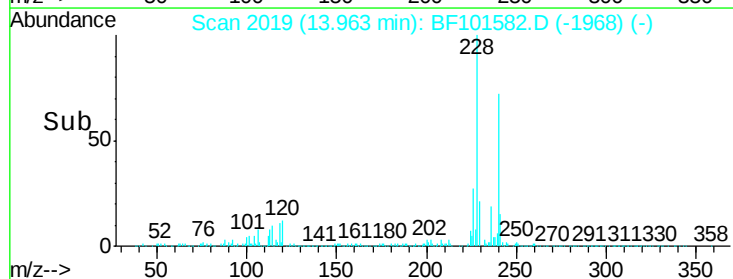
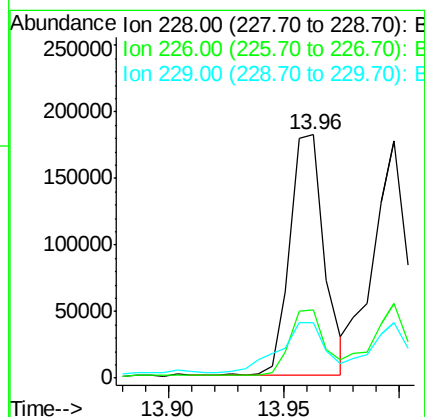
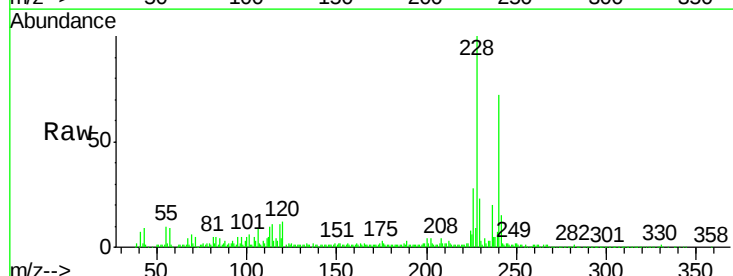
Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

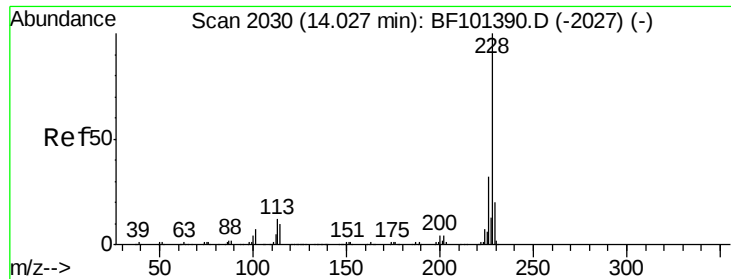
Tot Ion:244 Resp: 395140
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 9.426 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF101582.D
 Acq: 20 Dec 2017 21:47

Tgt Ion:228 Resp: 189176
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.6 33.8
 229 22.9 15.8 23.6





#82

Chrysene

Concen: 9.523 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

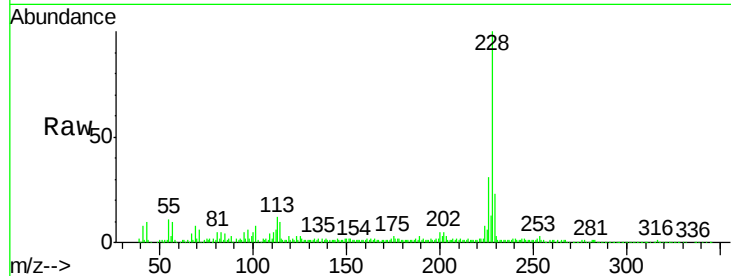
Tot Ion:228 Resp: 180453

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

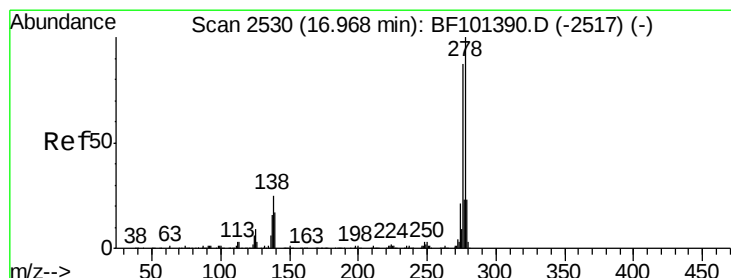
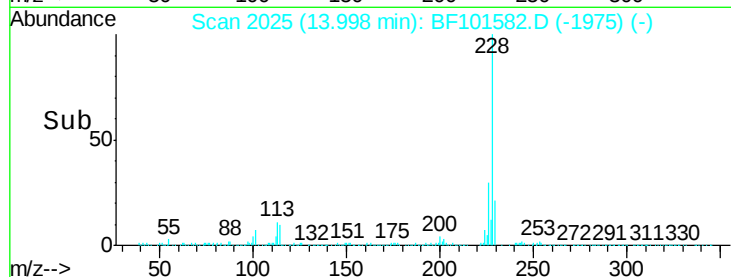
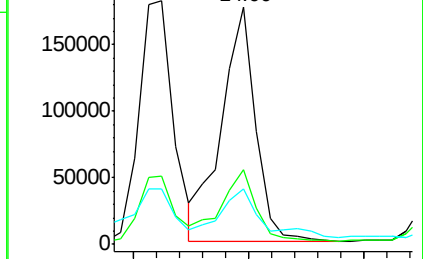
229 23.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.615 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.01 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

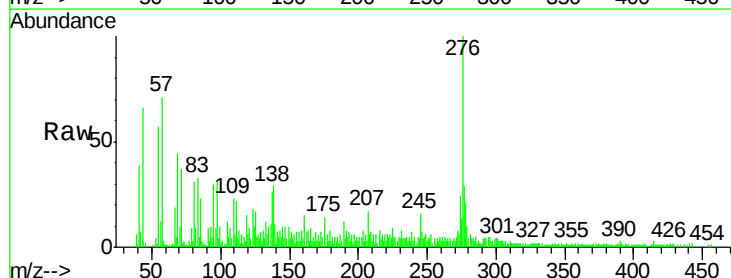
Tgt Ion:276 Resp: 77875

Ion Ratio Lower Upper

276 100

138 24.1 25.0 37.6#

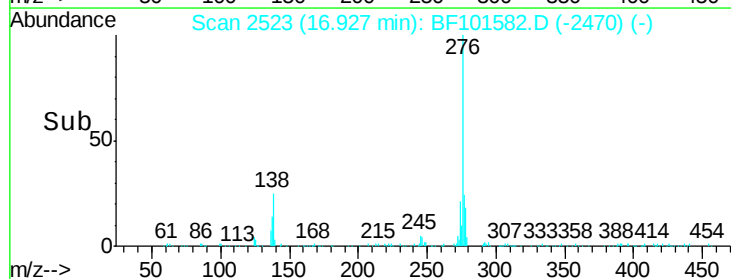
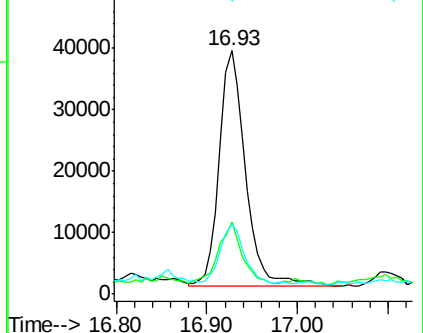
277 23.4 20.1 30.1

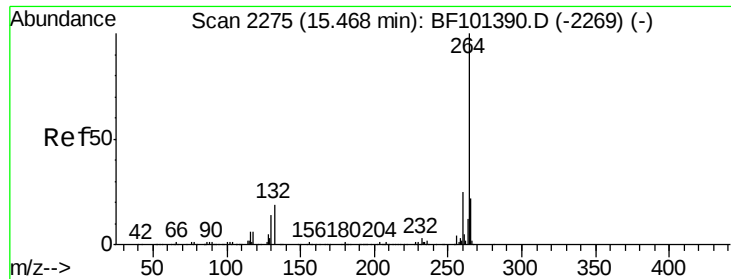


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

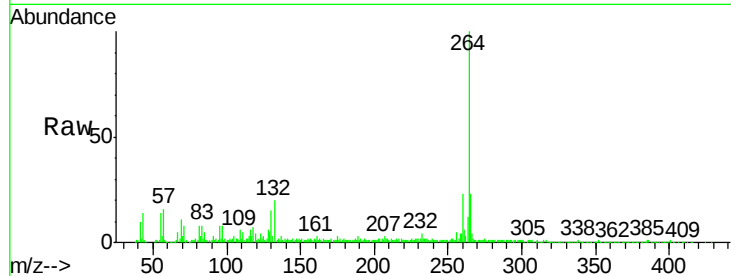




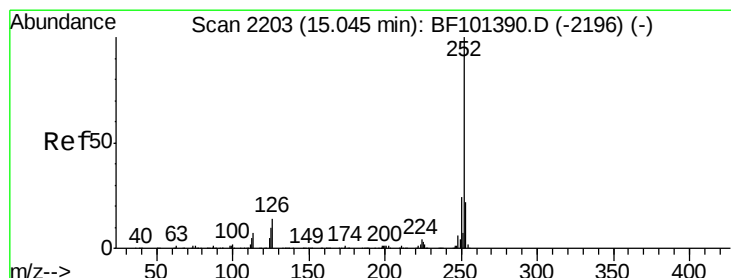
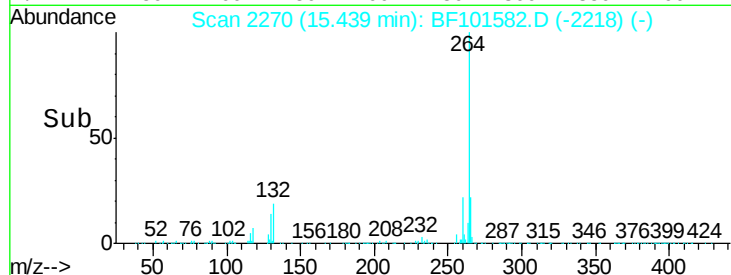
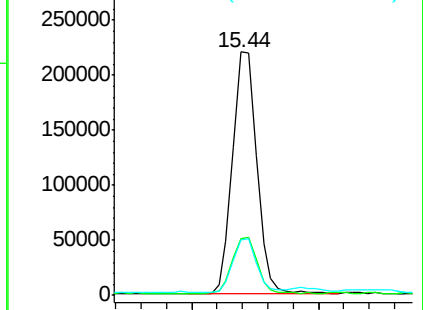
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.7	17.5	26.3

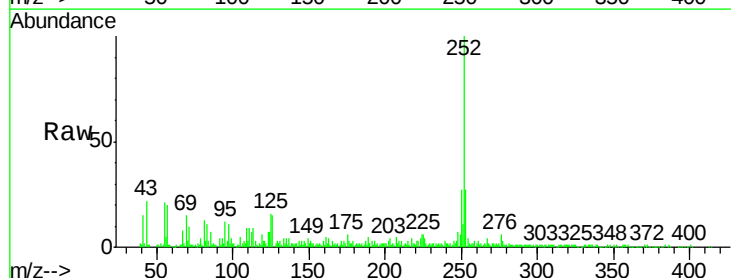


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

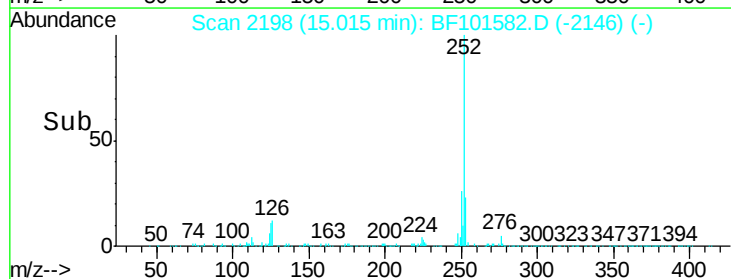
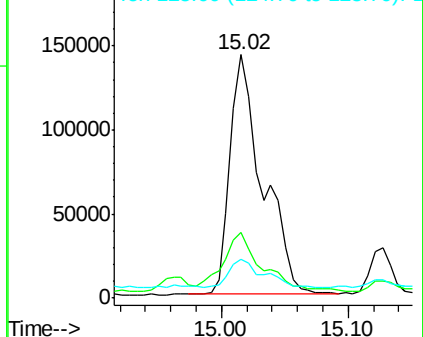


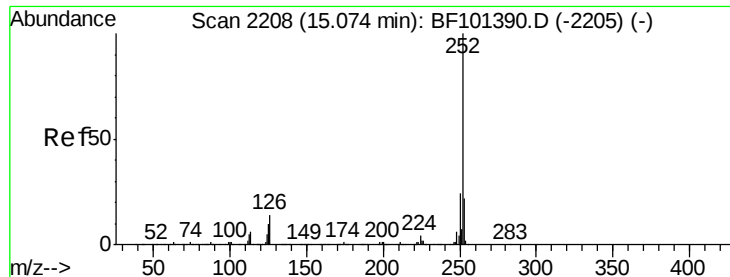
#87
Benzo(b)fluoranthene
Concen: 14.198 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.6#
125	16.2	9.0	13.6#



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

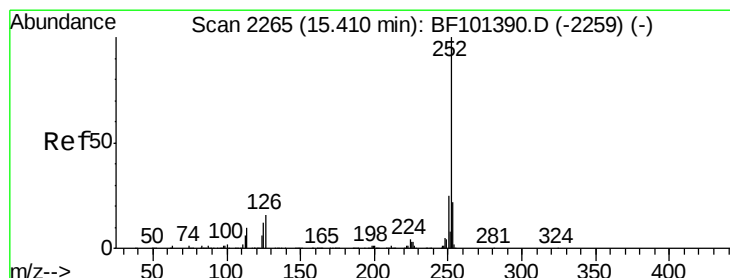
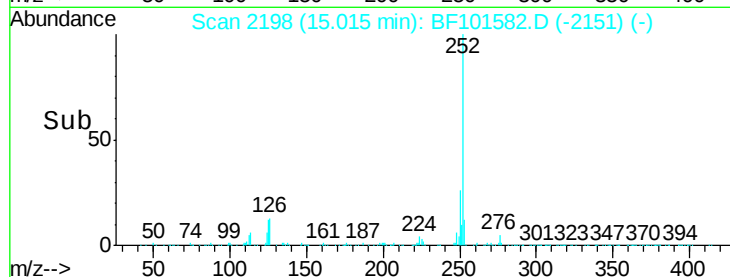
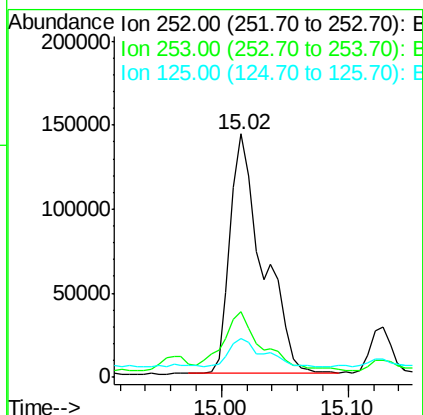
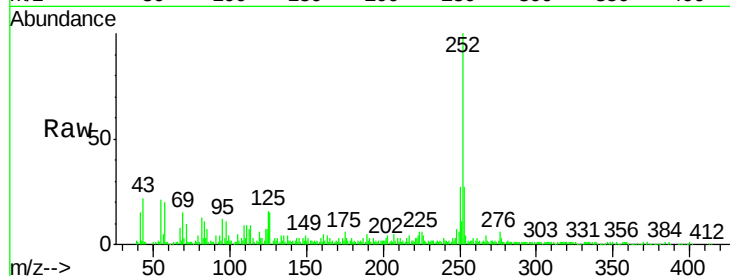




#88
Benzo(k)fluoranthene
Concen: 14.603 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

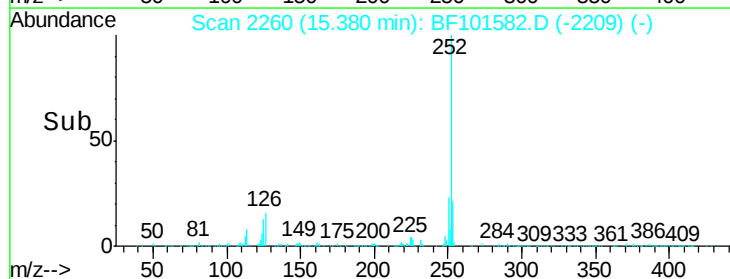
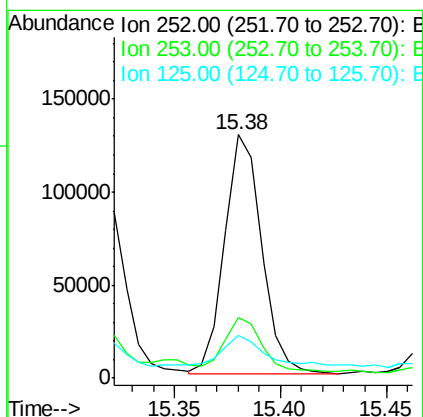
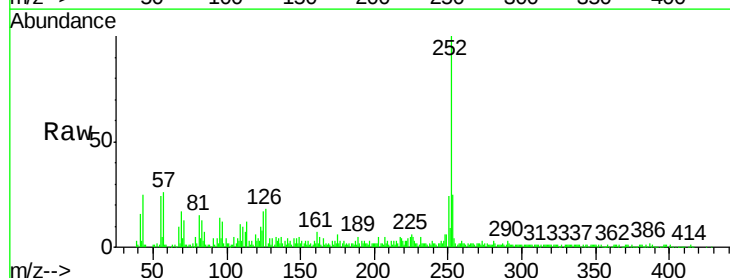
Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

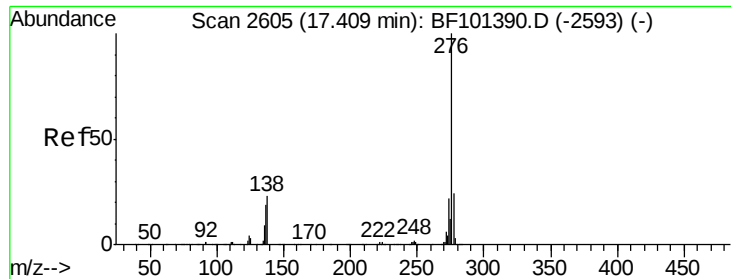
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	16.2	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 9.532 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF101582.D
Acq: 20 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	17.4	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.741 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF101582.D

Acq: 20 Dec 2017 21:47

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

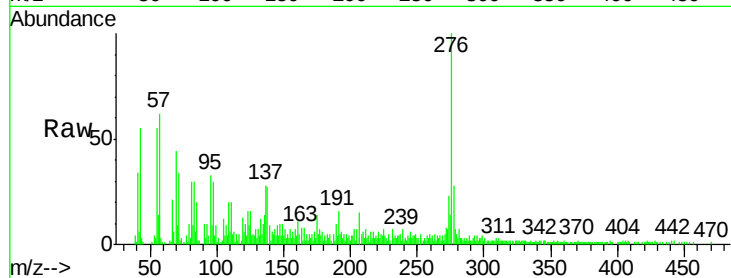
Tot Ion: 276 Resp: 80568

Ion Ratio Lower Upper

276 100

277 28.4 17.9 26.9#

138 27.3 21.8 32.8



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

