

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101608.D
 Acq On : 21 Dec 2017 15:50
 Operator : SJ/JU
 Sample : I6681-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

Quant Time: Dec 21 18:10:35 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

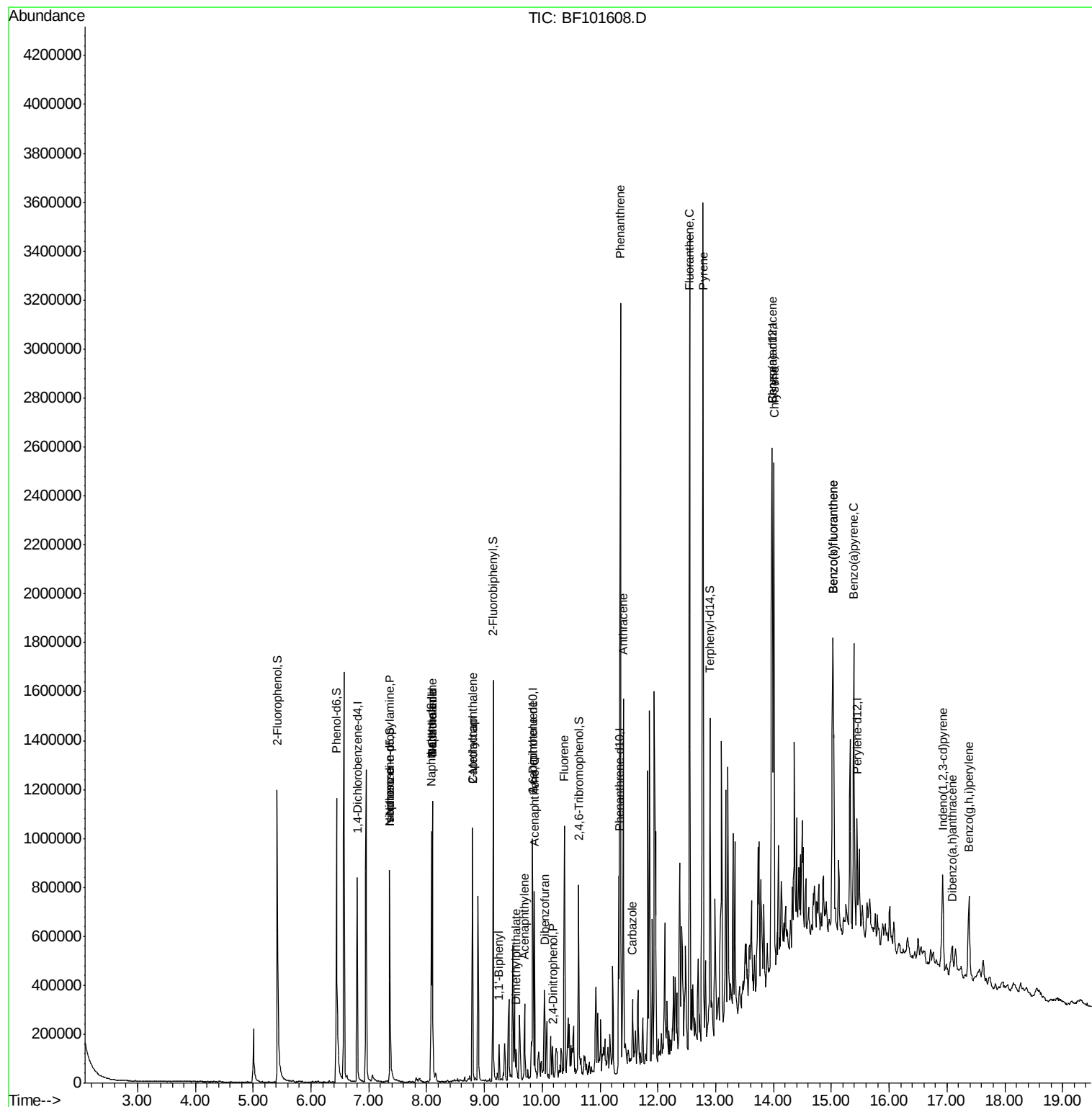
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	130745	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	464312	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	175259	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	295434	20.00	ng	0.00
75) Chrysene-d12	13.98	240	274119	20.00	ng	0.00
86) Perylene-d12	15.44	264	249811	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	462822	52.73	ng	0.00
7) Phenol-d6	6.44	99	538075	49.26	ng	0.00
23) Nitrobenzene-d5	7.36	82	319852	38.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	77085	45.65	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	472907	41.86	ng	0.00
78) Terphenyl-d14	12.90	244	385914	33.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	40827	5.691	ng	Qvalue # 84
25) Isophorone	7.36	82	319852	19.115	ng	# 64
31) Naphthalene	8.10	128	491227	21.015	ng	99
32) Benzoic acid	8.10	122	927	8.131	ng	# 1
33) 4-Chloroaniline	8.10	127	63770	6.277	ng	# 32
35) Caprolactam	8.79	113	5915	2.559	ng	# 1
37) 2-Methylnaphthalene	8.79	142	266101	17.473	ng	99
45) 1,1'-Biphenyl	9.25	154	46072	2.964	ng	98
48) Acenaphthylene	9.70	152	95330	5.075	ng	100
49) Dimethylphthalate	9.55	163	46067	3.268	ng	99
50) 2,6-Dinitrotoluene	9.83	165	30327	10.585	ng	# 27
51) Acenaphthene	9.86	154	160300	14.204	ng	99
53) 2,4-Dinitrophenol	10.19	184	138	10.441	ng	# 57
54) Dibenzofuran	10.04	168	100872	7.033	ng	# 93
57) Fluorene	10.38	166	284426	23.443	ng	99
70) Phenanthrene	11.36	178	1342543	81.715	ng	98
71) Anthracene	11.40	178	554155	33.020	ng	99
72) Carbazole	11.56	167	83124	5.290	ng	99
74) Fluoranthene	12.55	202	1452278	84.214	ng	98
77) Pyrene	12.78	202	1707993	83.023	ng	99
80) Benzo(a)anthracene	13.97	228	975879	53.915	ng	97
82) Chrysene	14.01	228	873364	51.103	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	260625	17.125	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	1017955	66.854	ng	96
88) Benzo(k)fluoranthene	15.03	252	1017955	68.760	ng	99
89) Benzo(a)pyrene	15.39	252	606087	43.179	ng	98
90) Dibenzo(a,h)anthracene	17.09	278	69904	5.800	ng	95
91) Benzo(g,h,i)perylene	17.38	276	283620	23.766	ng	94

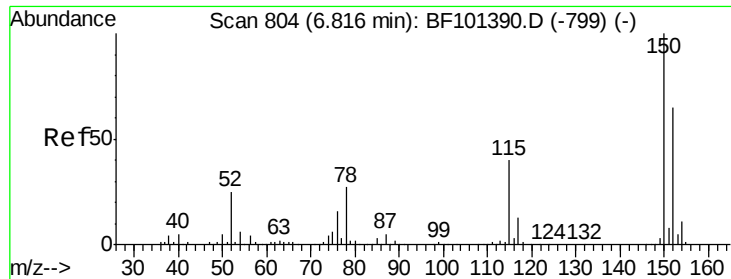
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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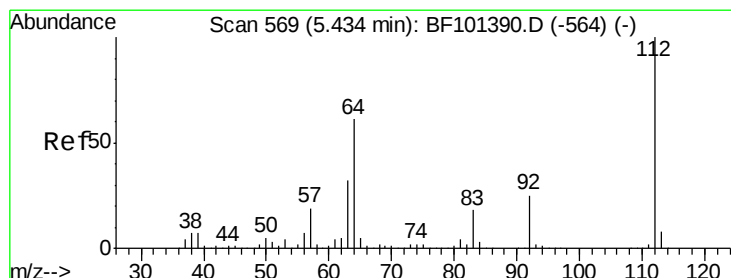
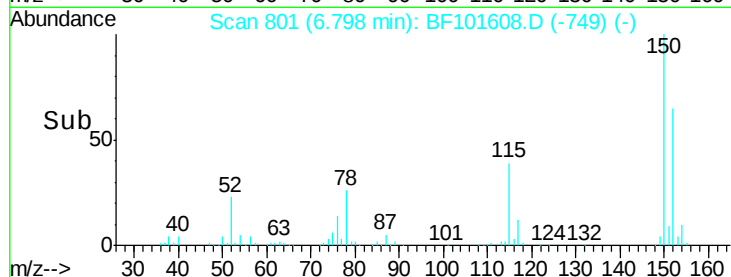
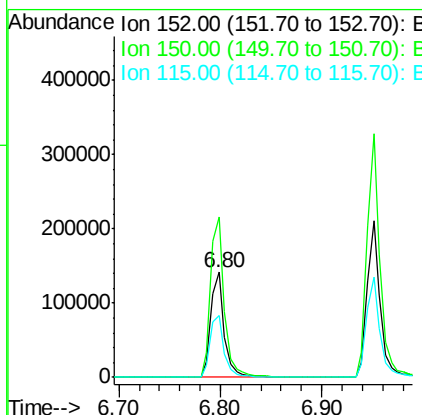
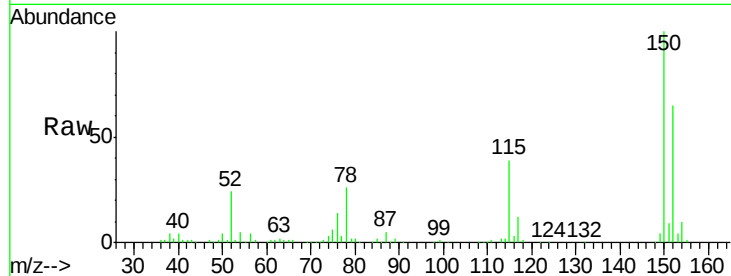




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

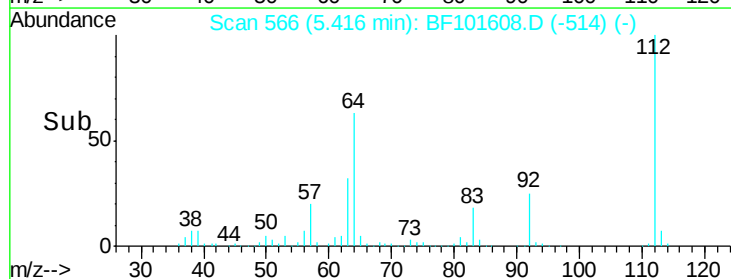
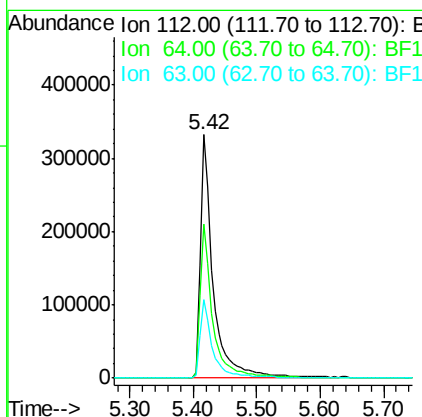
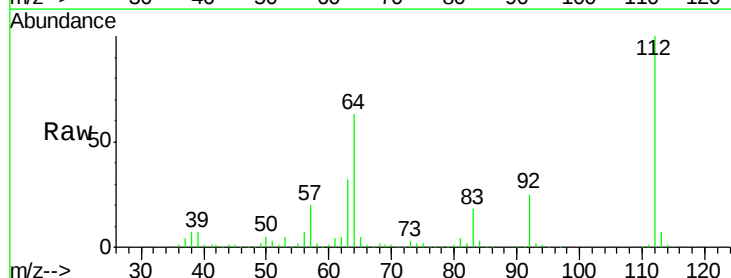
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

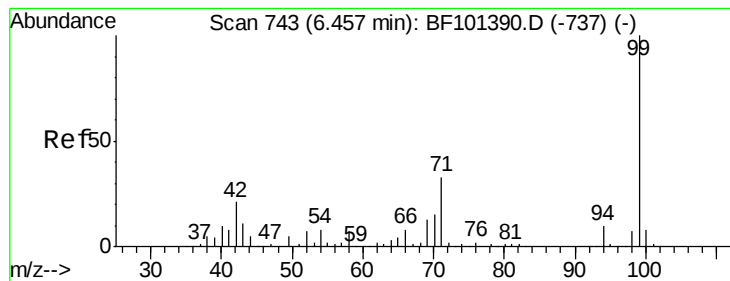
Tgt Ion:152 Resp: 130745
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.6 186.8
 115 59.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 52.729 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:112 Resp: 462822
 Ion Ratio Lower Upper
 112 100
 64 63.5 47.9 71.9
 63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 49.258 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

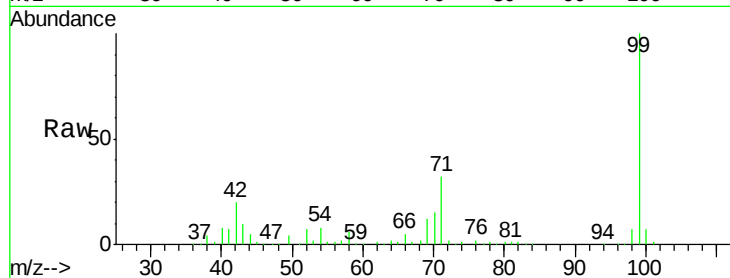
Tgt Ion: 99 Resp: 538075

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

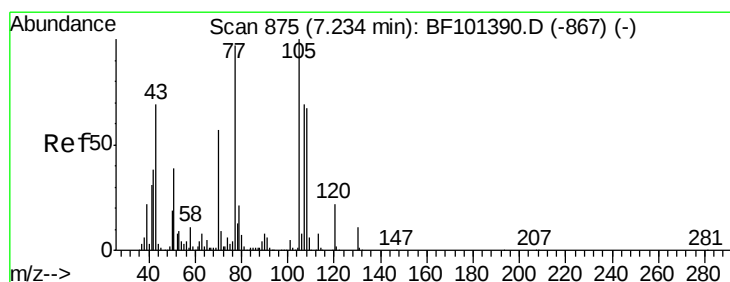
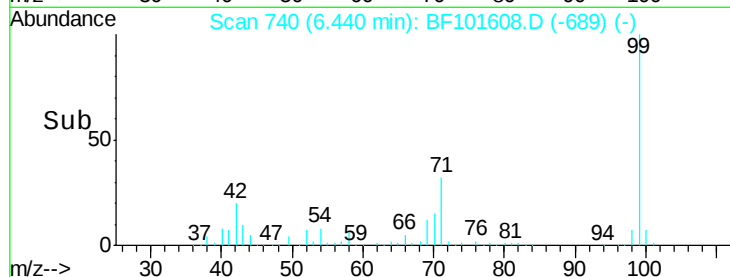
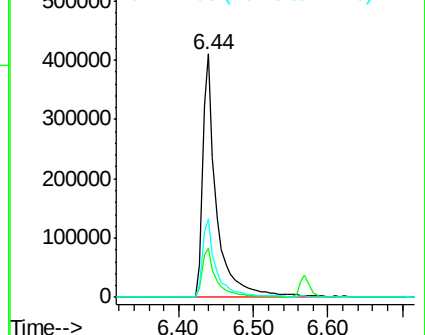
71 32.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.691 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Tgt Ion: 70 Resp: 40827

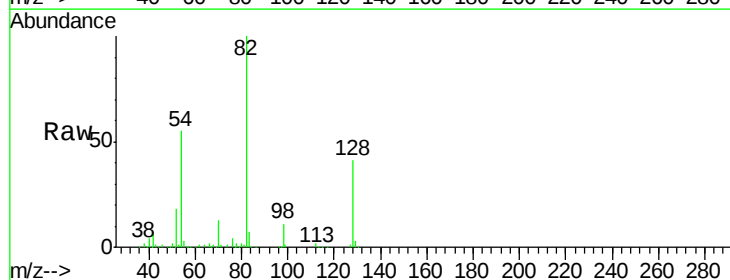
Ion Ratio Lower Upper

70 100

42 54.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

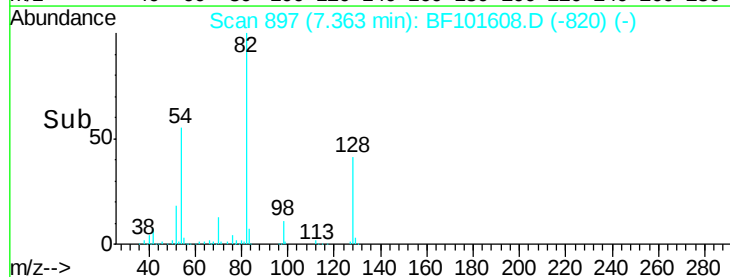
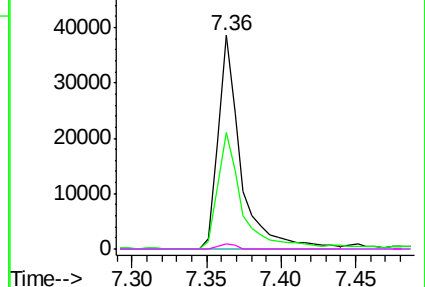


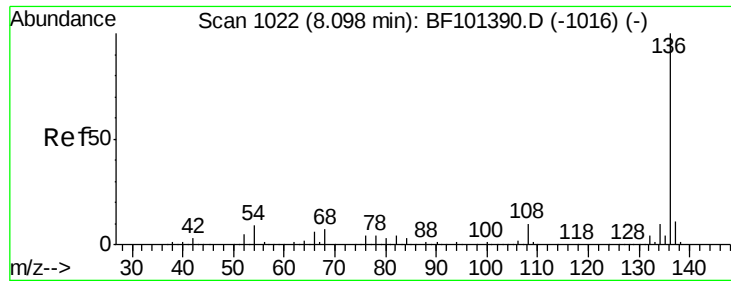
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

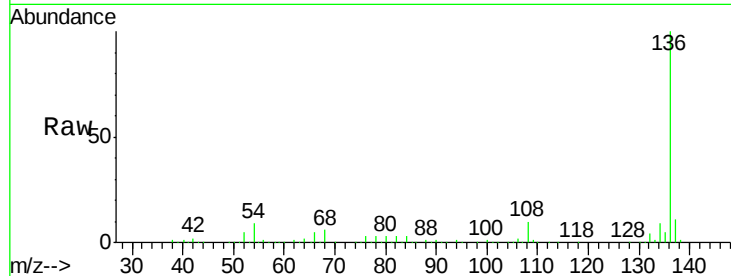




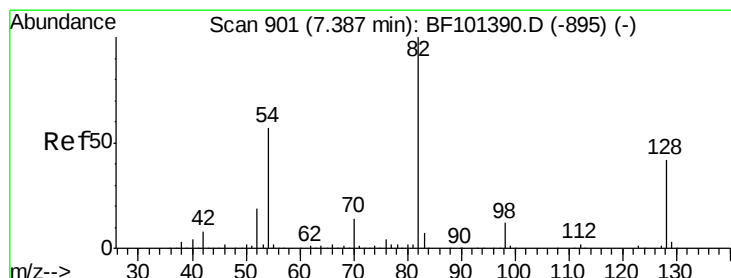
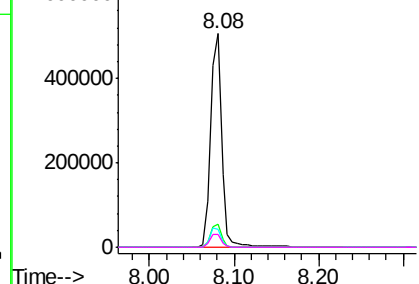
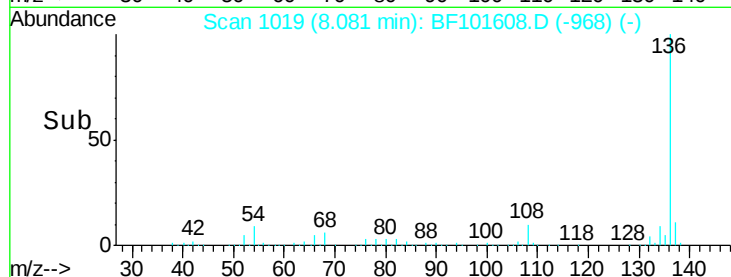
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

Tgt Ion:	136	Resp:	464312
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.5	6.6	9.8
68	6.2	5.0	7.4

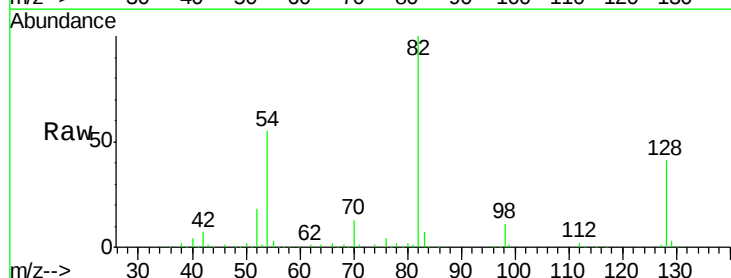


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

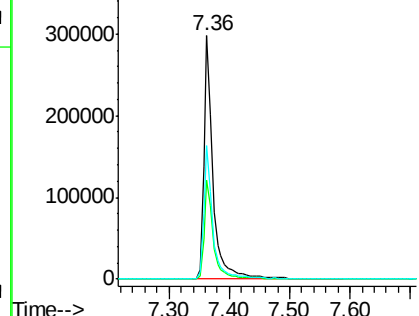
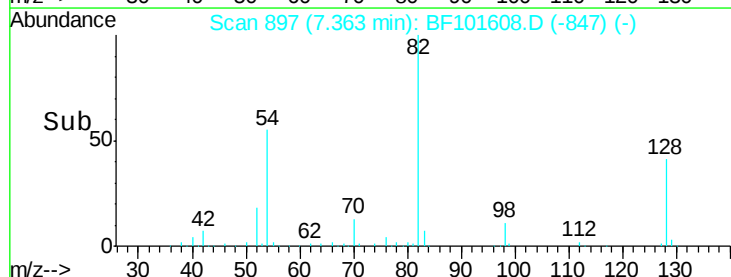


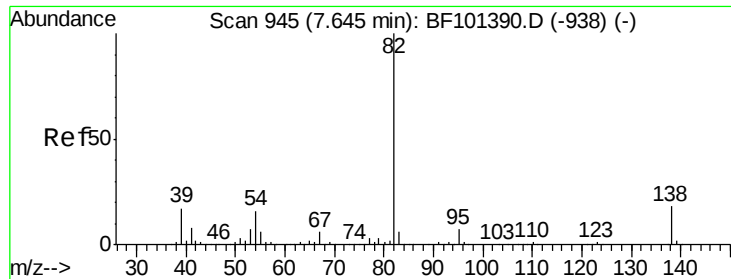
#23
Nitrobenzene-d5
Concen: 38.347 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Tgt Ion:	82	Resp:	319852
Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	54.7	41.4	62.2



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





#25

Isophorone

Concen: 19.115 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

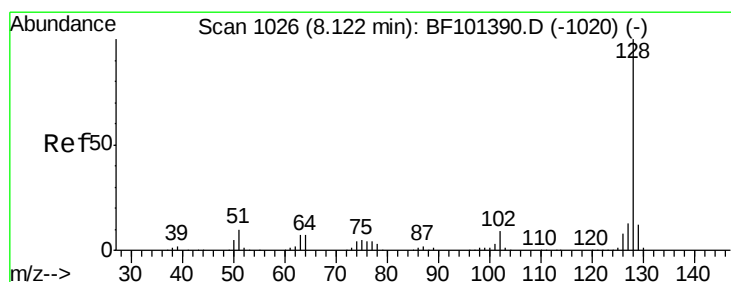
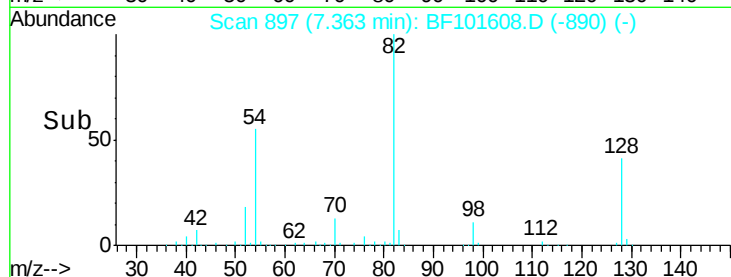
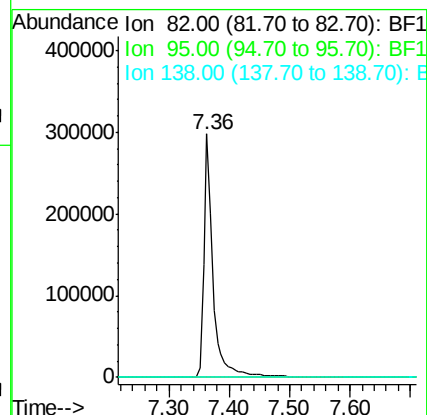
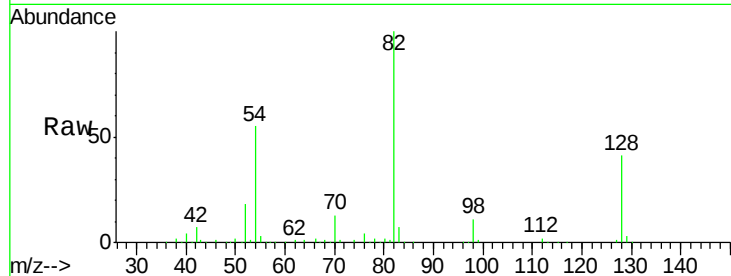
Tgt Ion: 82 Resp: 319852

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 21.015 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

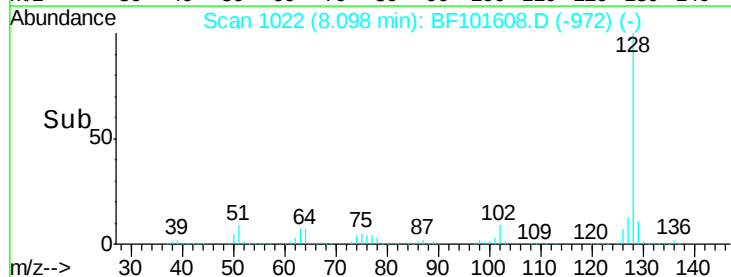
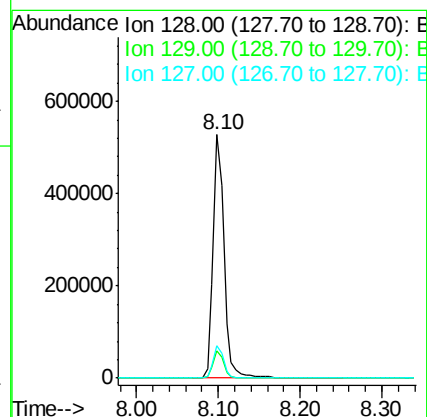
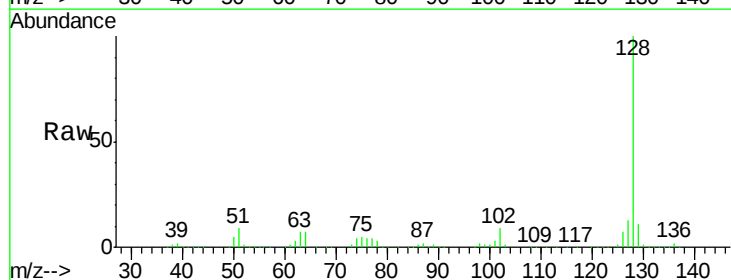
Tgt Ion: 128 Resp: 491227

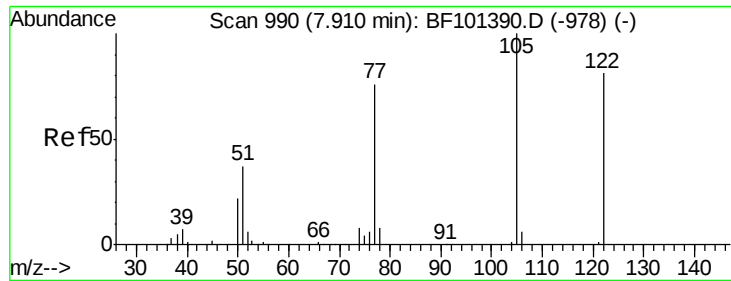
Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.4 10.9 16.3

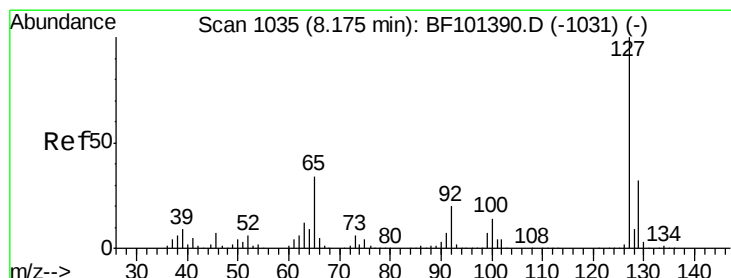
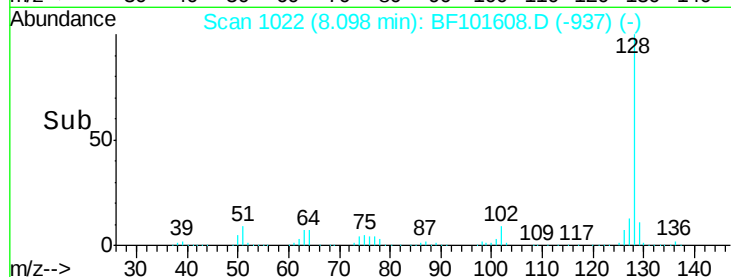
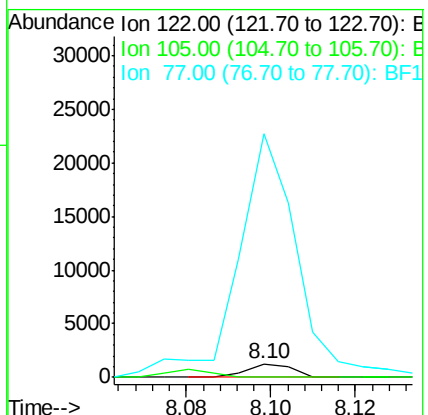
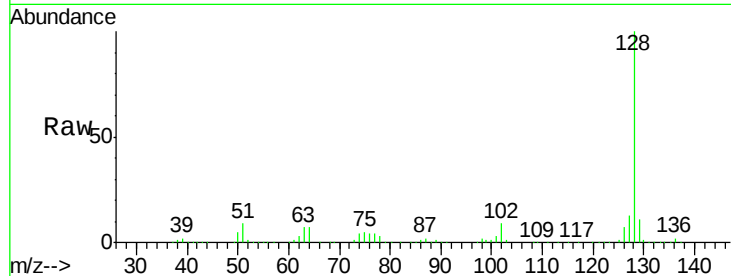




#32
Benzoic acid
Concen: 8.131 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.20 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

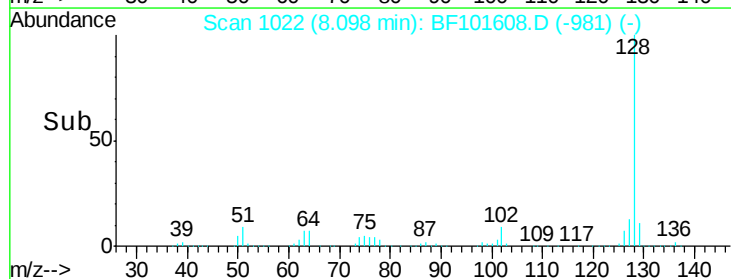
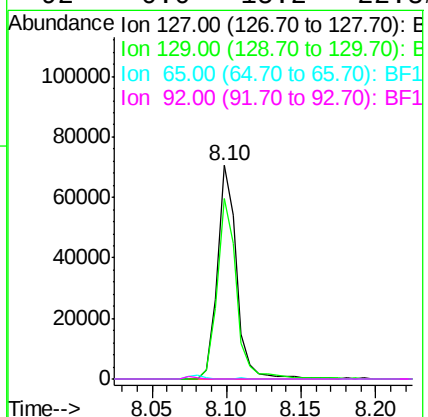
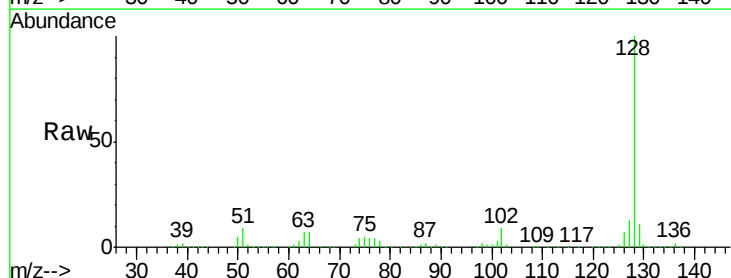
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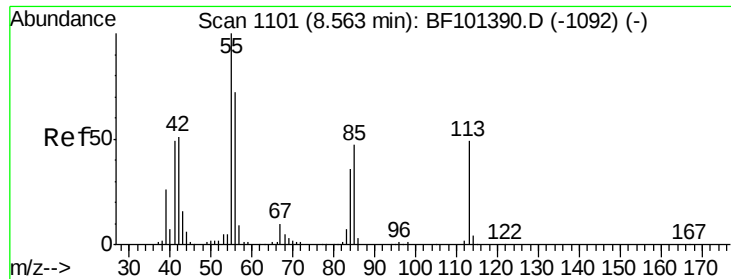
Tgt Ion:122 Resp: 927
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 1810.5 70.7 110.7#



#33
4-Chloroaniline
Concen: 6.277 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Tgt Ion:127 Resp: 63770
Ion Ratio Lower Upper
127 100
129 84.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

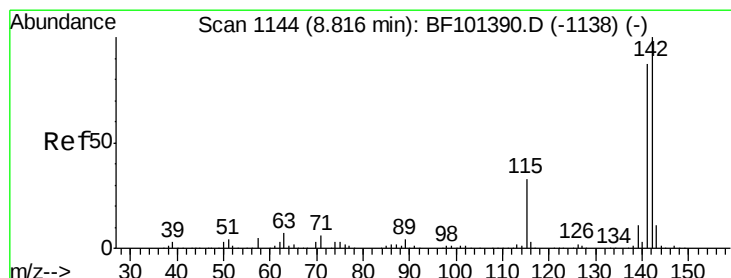
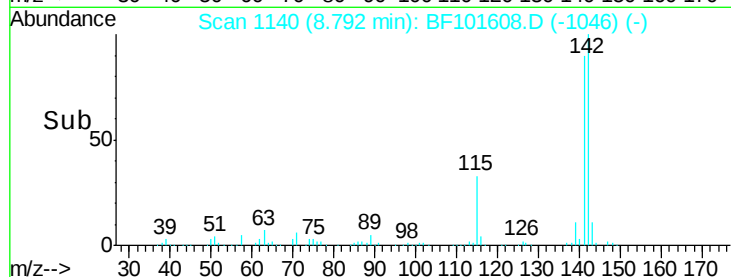
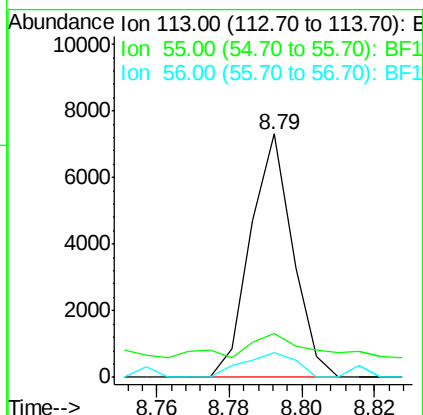
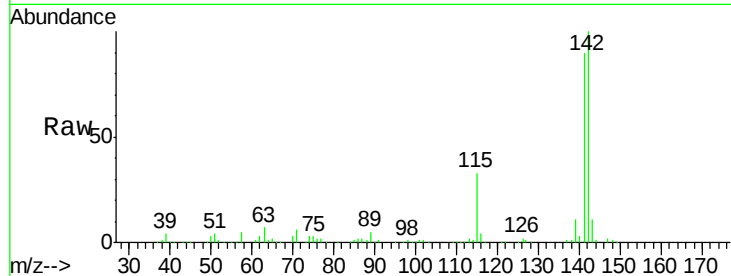




#35
 Caprolactam
 Concen: 2.559 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.25 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

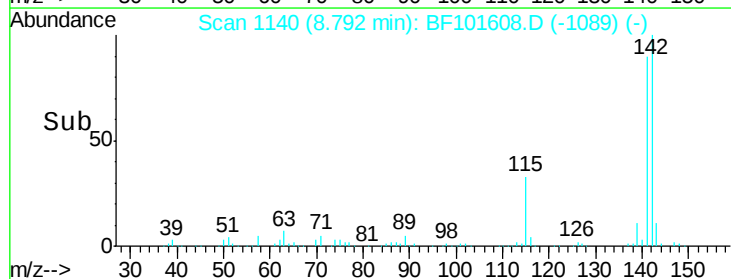
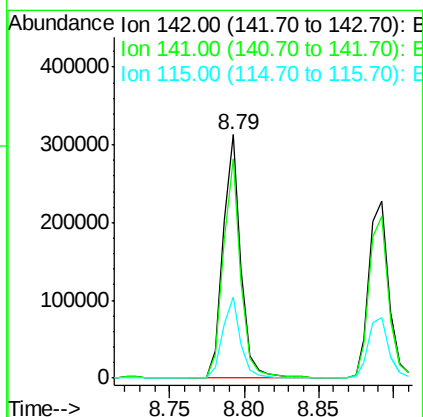
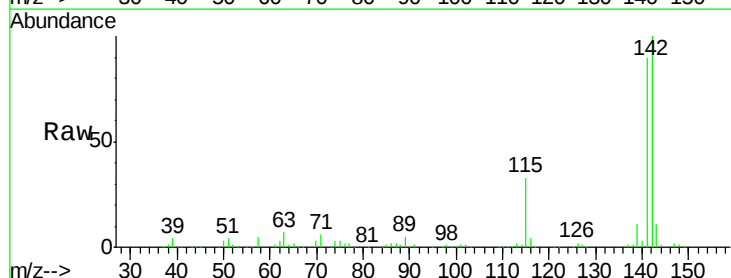
Instrument :
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 PL-01-121917-D

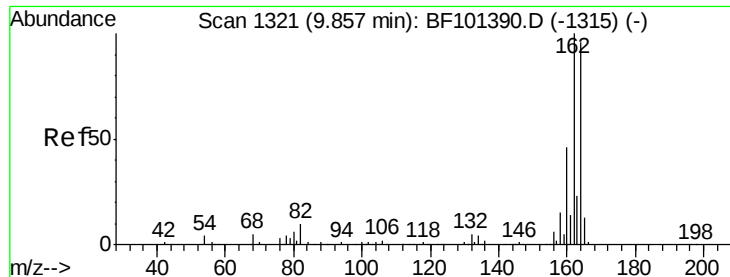
Tgt Ion:113 Resp: 5915
 Ion Ratio Lower Upper
 113 100
 55 17.9 163.3 203.3#
 56 10.4 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 17.473 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:142 Resp: 266101
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.8 106.2
 115 33.4 26.1 39.1

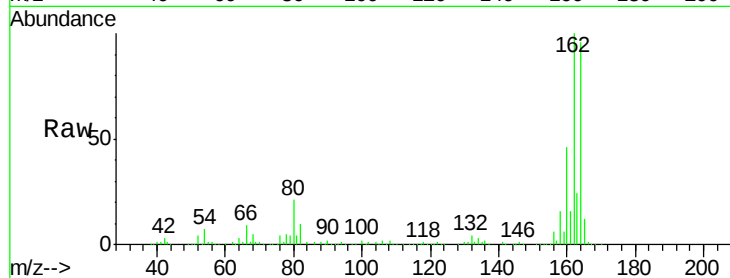




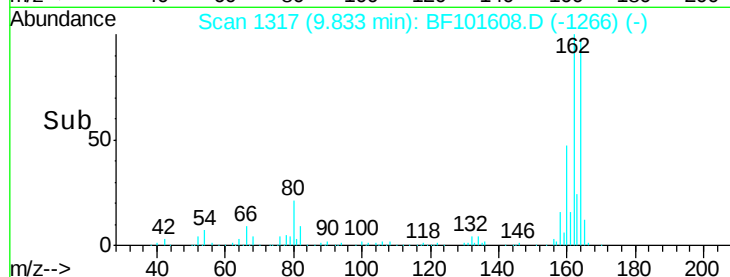
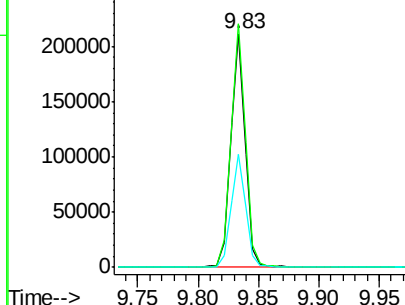
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

Tgt Ion:164 Resp: 175259
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 48.2 38.3 57.5

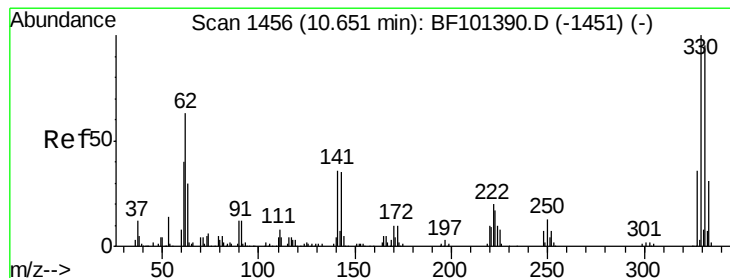


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

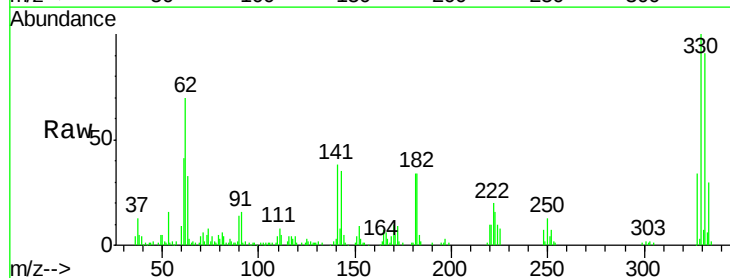
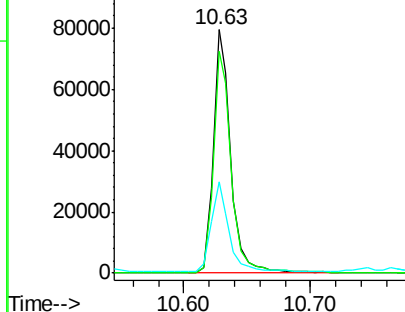


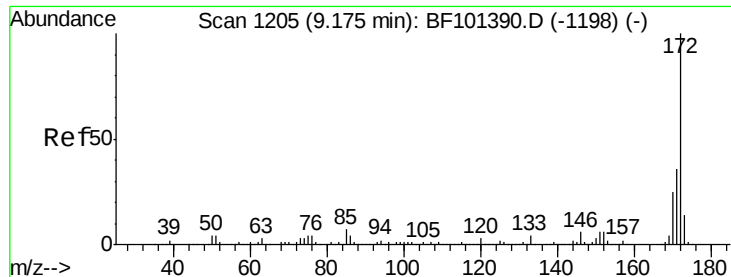
#41
 2,4,6-Tribromophenol
 Concen: 45.646 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:330 Resp: 77085
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.0 115.6
 141 37.8 29.9 44.9



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

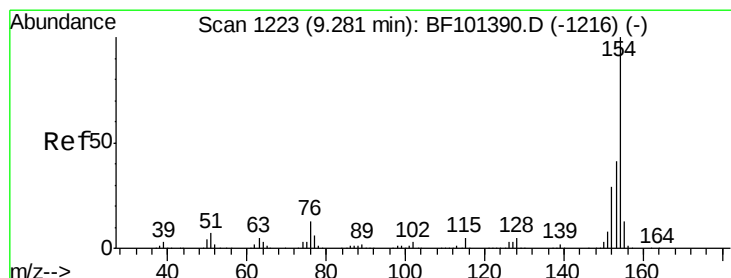
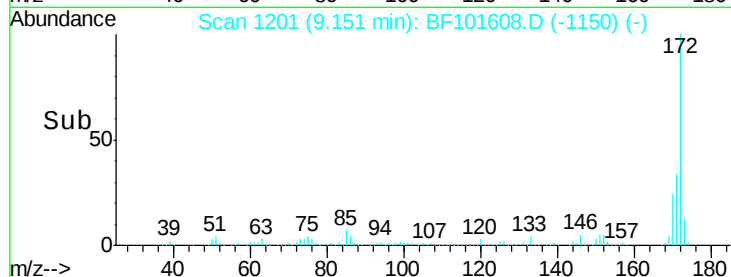
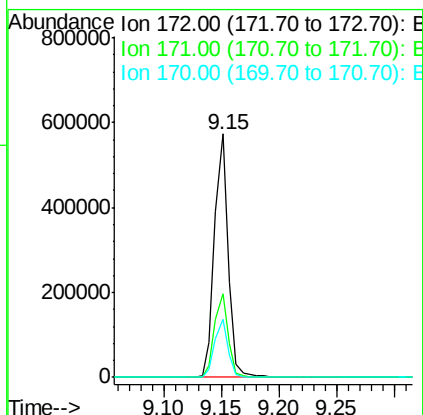
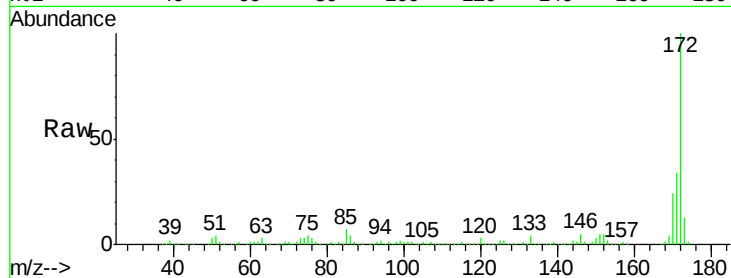




#44
 2-Fluorobiphenyl
 Concen: 41.858 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

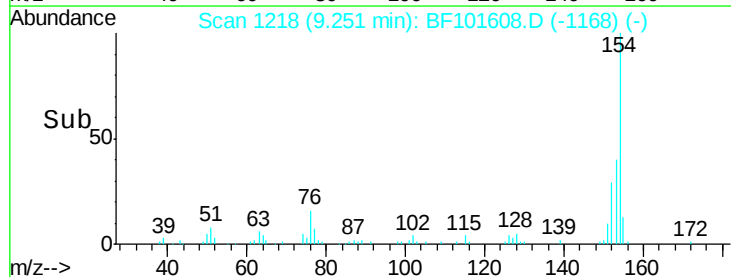
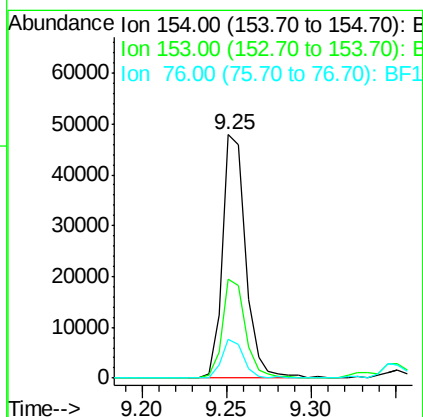
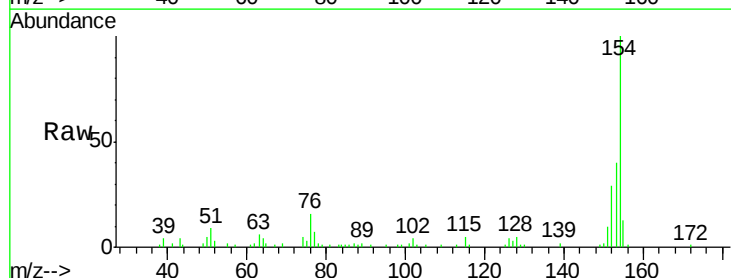
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

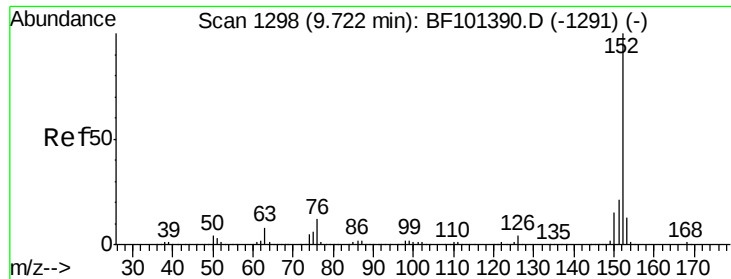
Tgt Ion:172 Resp: 472907
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.8 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 2.964 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:154 Resp: 46072
 Ion Ratio Lower Upper
 154 100
 153 40.4 21.3 61.3
 76 16.1 0.0 34.0

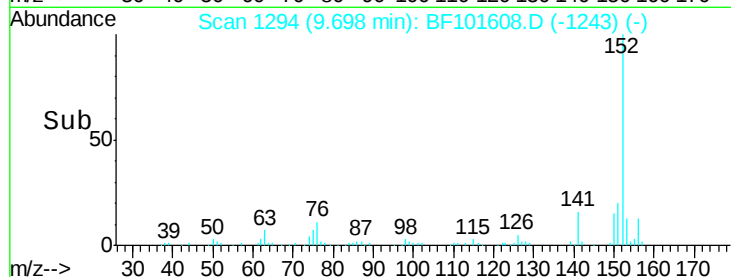
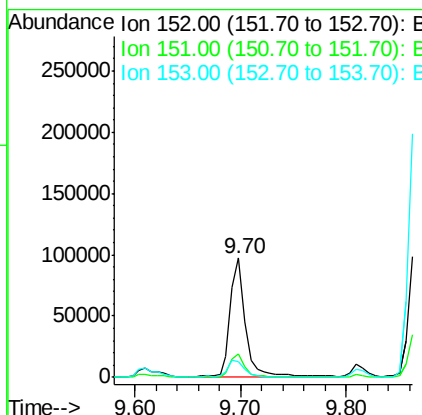
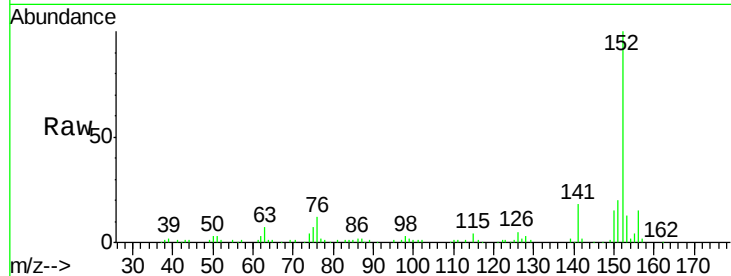




#48
Acenaphthylene
Concen: 5.075 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

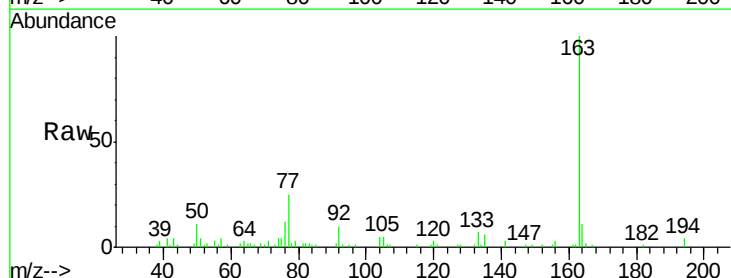
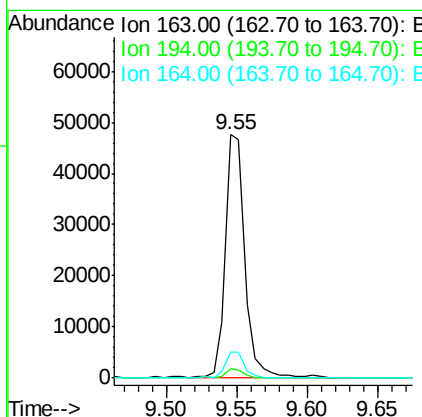
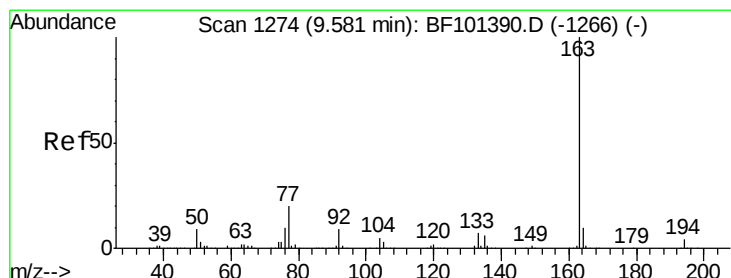
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

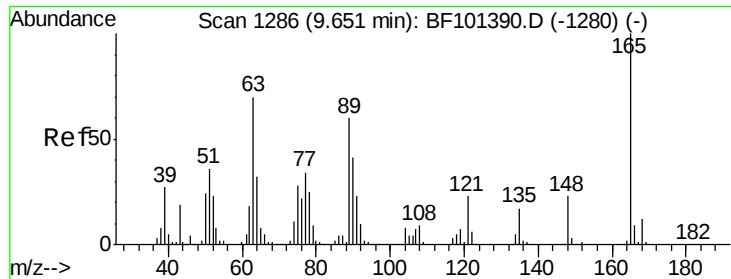
Tgt Ion:152 Resp: 95330
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.5 10.7 16.1



#49
Dimethylphthalate
Concen: 3.268 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Tgt Ion:163 Resp: 46067
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.8 8.2 12.2

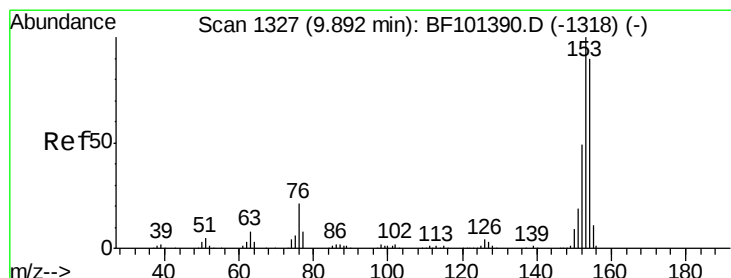
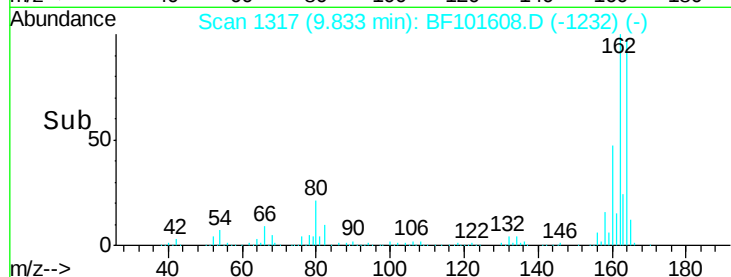
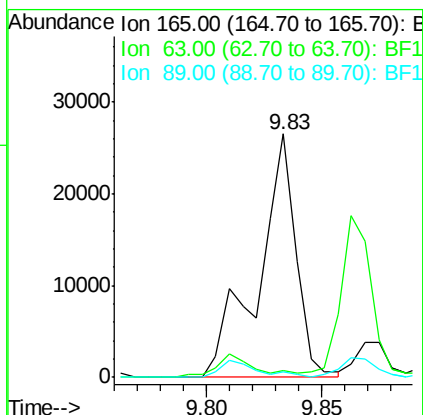
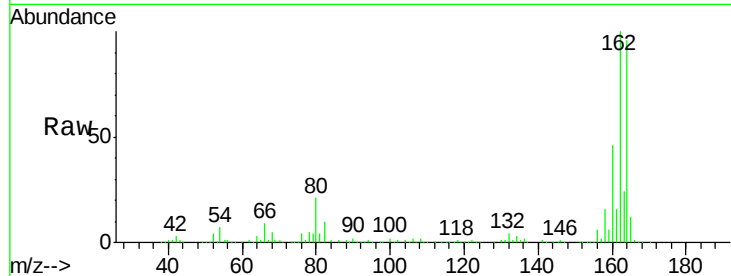




#50
2,6-Dinitrotoluene
Concen: 10.585 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

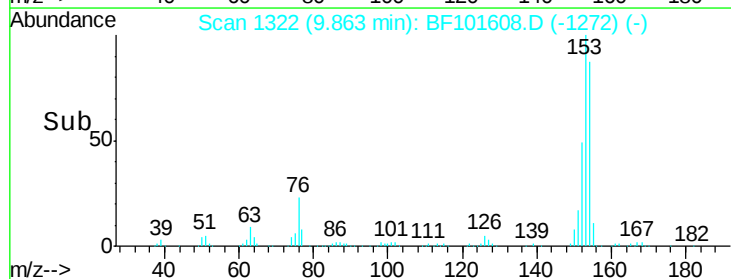
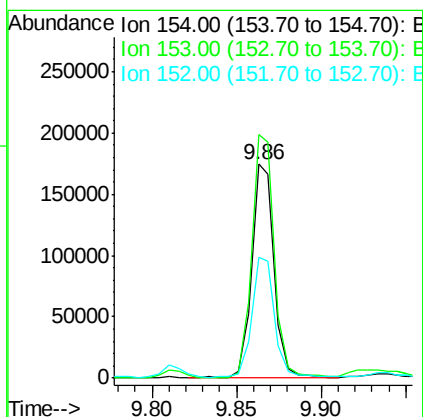
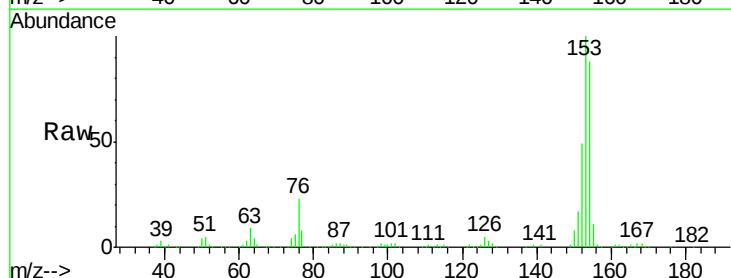
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

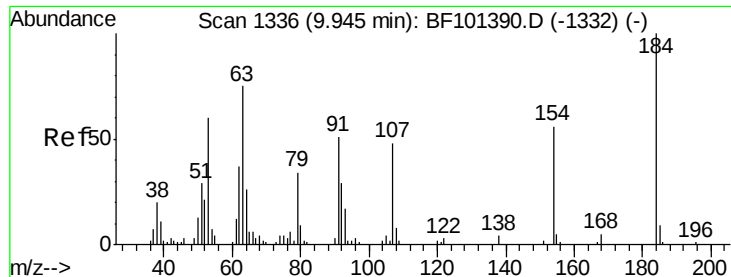
Tgt Ion:165 Resp: 30327
Ion Ratio Lower Upper
165 100
63 2.7 44.7 67.1#
89 2.2 44.0 66.0#



#51
Acenaphthene
Concen: 14.204 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Tgt Ion:154 Resp: 160300
Ion Ratio Lower Upper
154 100
153 113.8 91.2 136.8
152 56.2 43.8 65.8

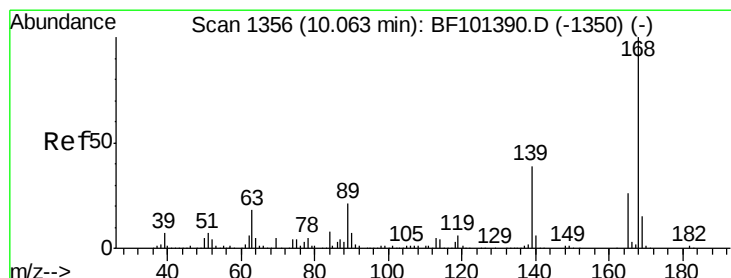
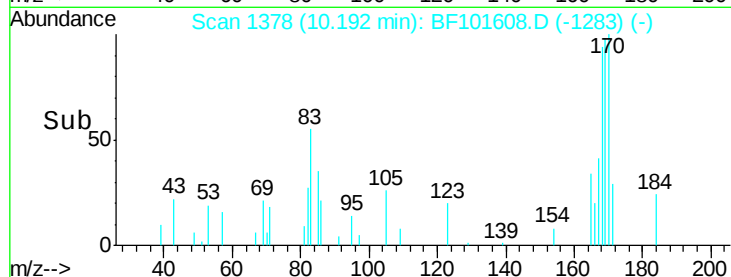
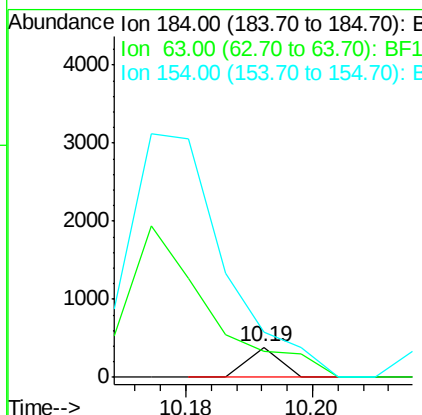
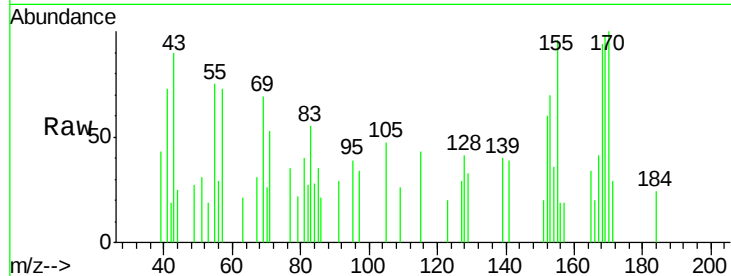




#53
 2,4-Dinitrophenol
 Concen: 10.441 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.26 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

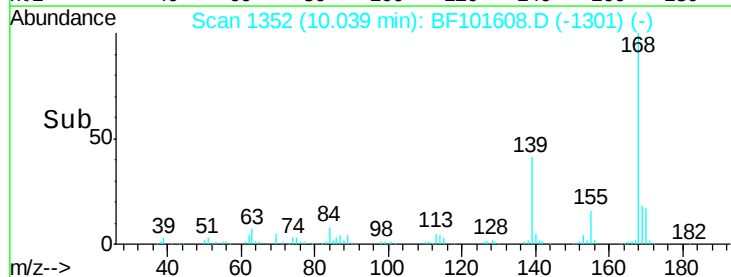
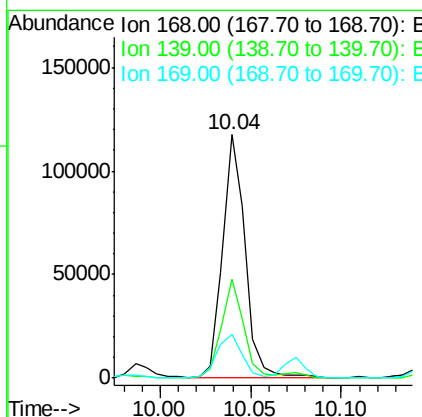
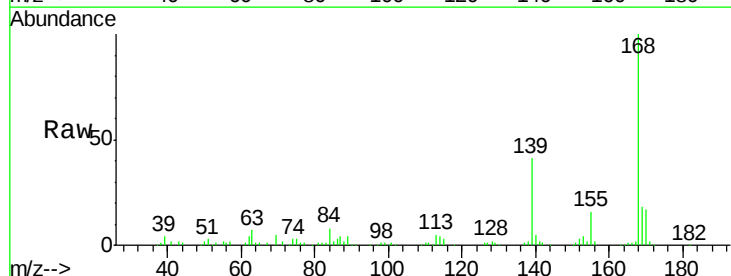
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

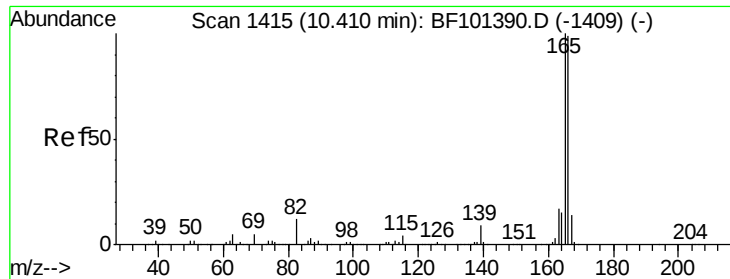
Tgt Ion:184 Resp: 138
 Ion Ratio Lower Upper
 184 100
 63 84.6 54.2 81.2#
 154 148.7 184.0 276.0#



#54
 Dibenzofuran
 Concen: 7.033 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:168 Resp: 100872
 Ion Ratio Lower Upper
 168 100
 139 40.7 30.1 45.1
 169 18.0 10.9 16.3#

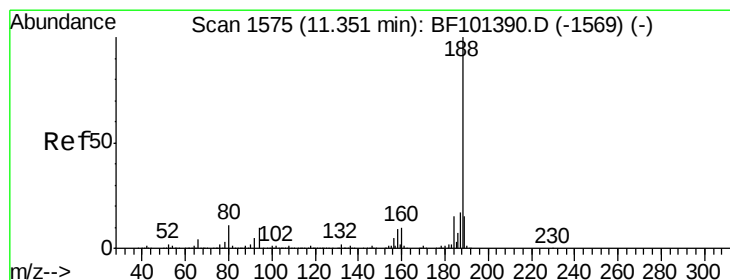
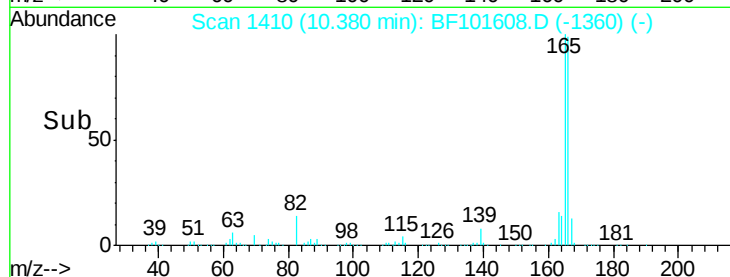
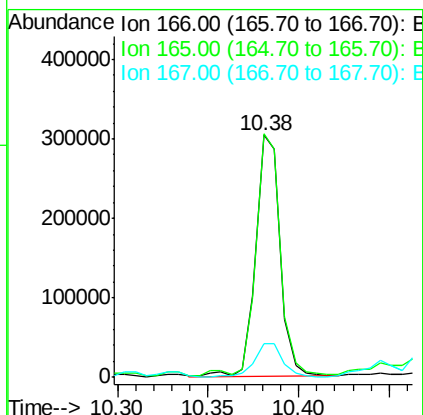
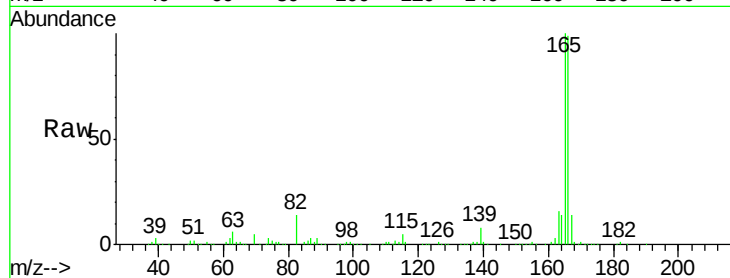




#57
 Fluorene
 Concen: 23.443 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

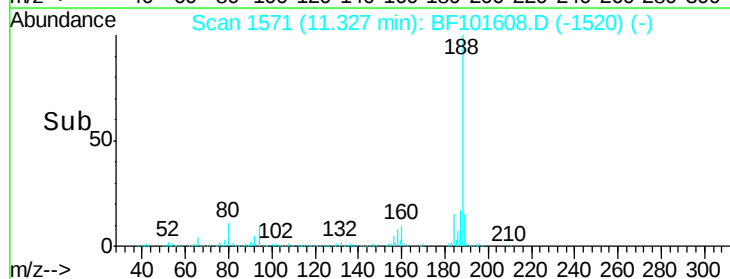
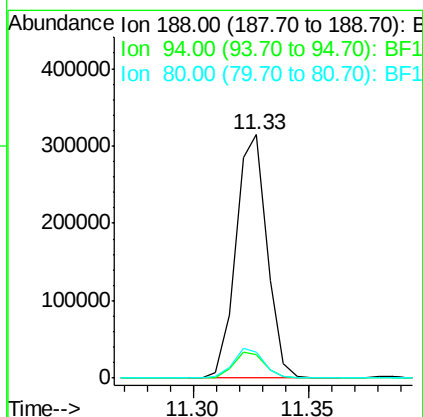
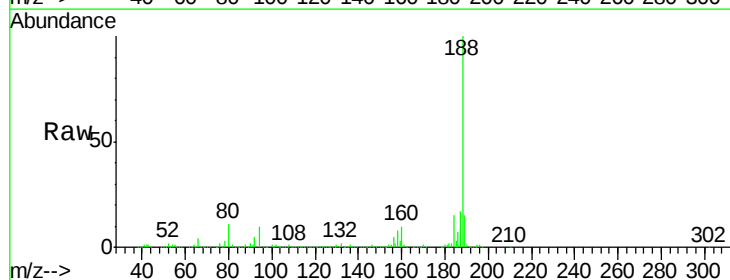
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

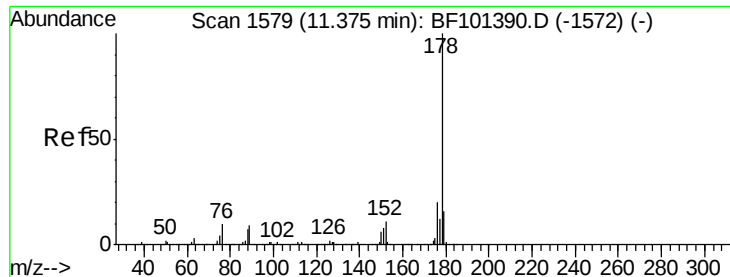
Tgt Ion:166 Resp: 284426
 Ion Ratio Lower Upper
 166 100
 165 100.7 79.8 119.8
 167 13.8 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:188 Resp: 295434
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.9 9.2 13.8





#70

Phenanthrene

Concen: 81.715 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

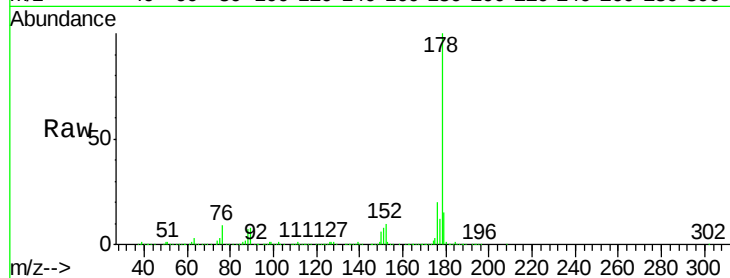
Tgt Ion:178 Resp: 1342543

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

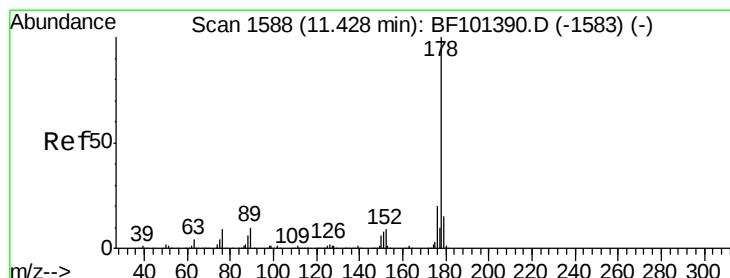
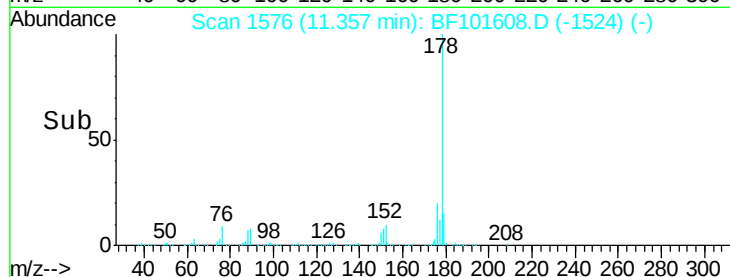
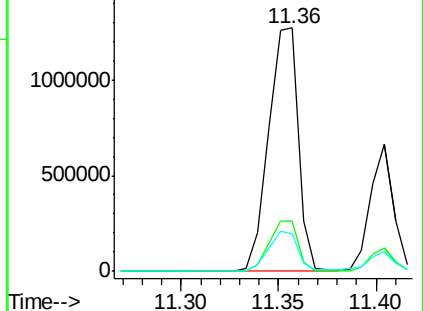
179 15.4 13.0 19.6



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: 33.020 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

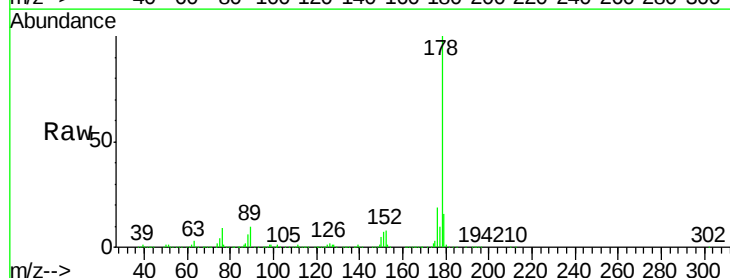
Tgt Ion:178 Resp: 554155

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

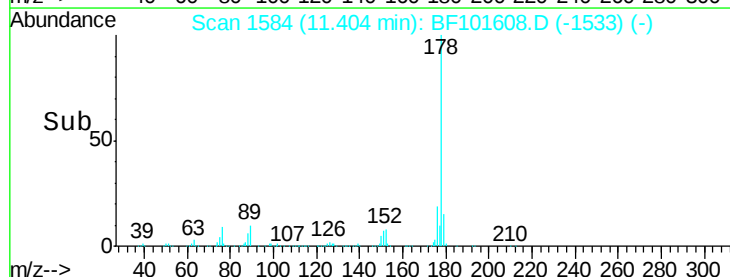
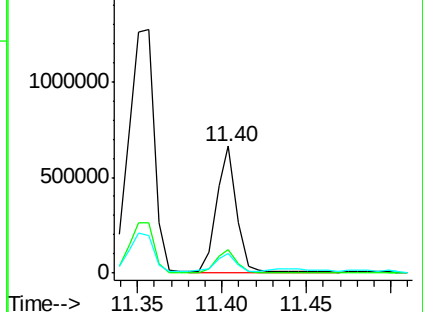
179 15.5 12.6 19.0

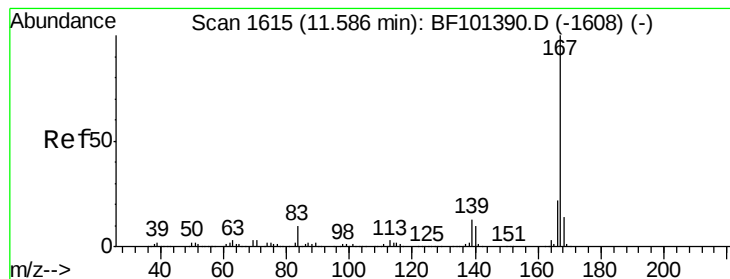


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.290 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

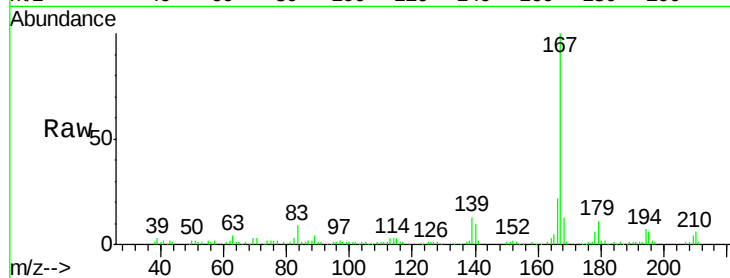
Tgt Ion:167 Resp: 83124

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

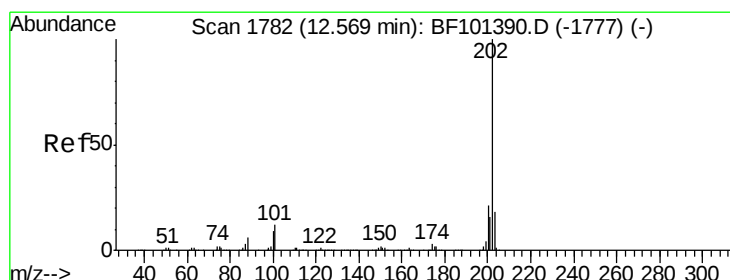
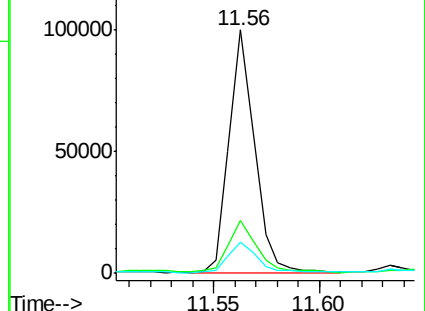
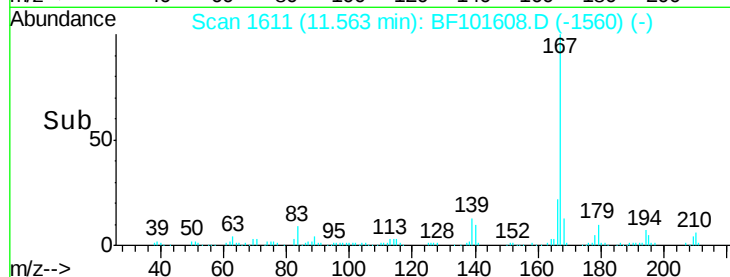
139 12.9 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 84.214 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

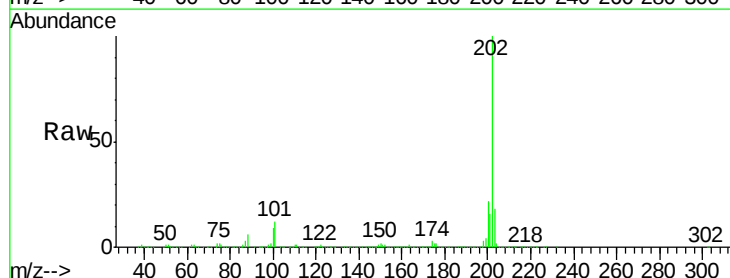
Tgt Ion:202 Resp: 1452278

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

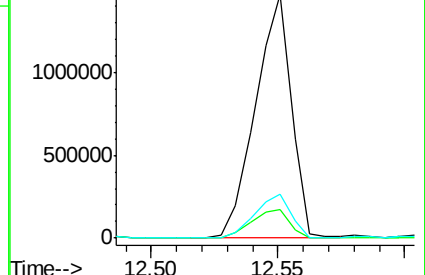
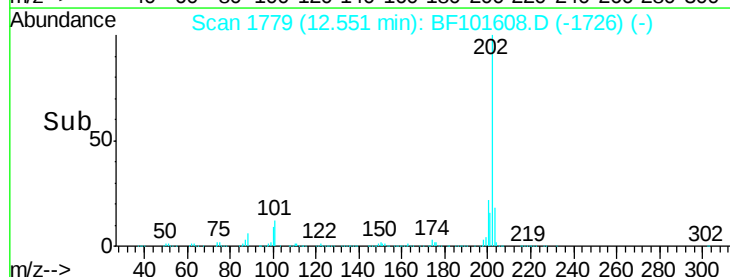
203 18.0 0.0 38.1

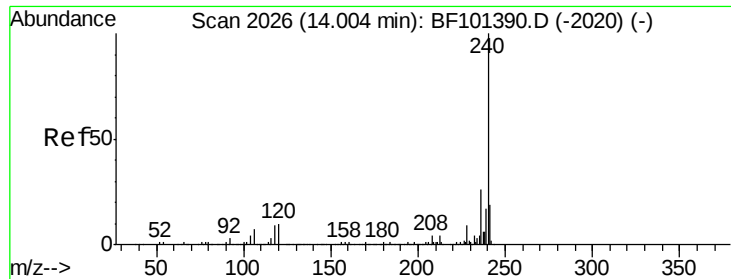


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

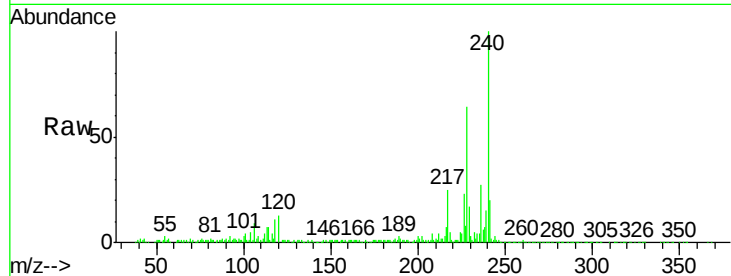
Tgt Ion:240 Resp: 274119

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

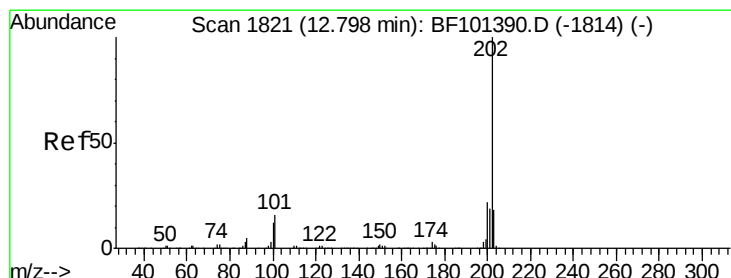
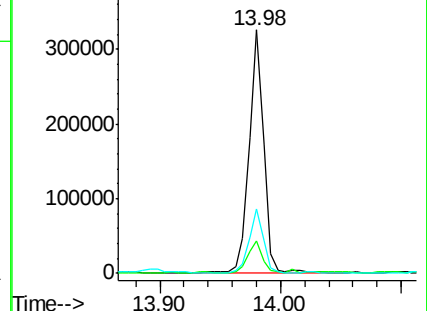
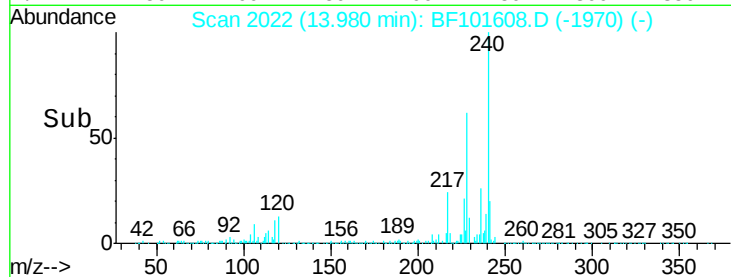
236 26.5 20.7 31.1



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: 83.023 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

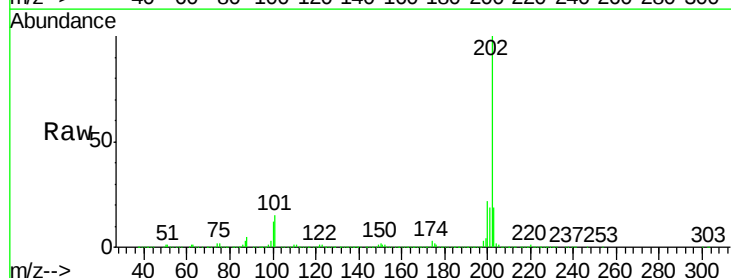
Tgt Ion:202 Resp: 1707993

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

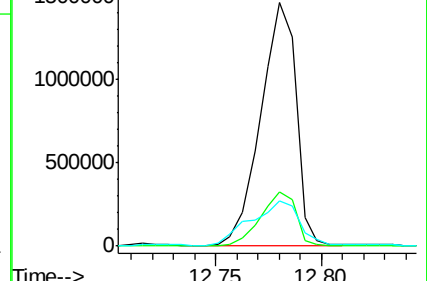
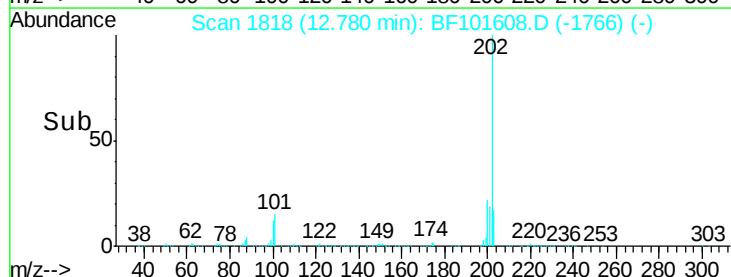
203 18.6 14.3 21.5

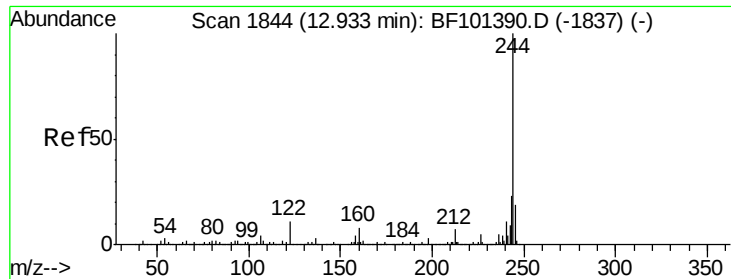


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

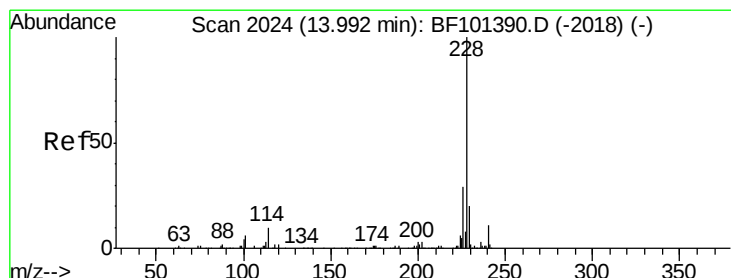
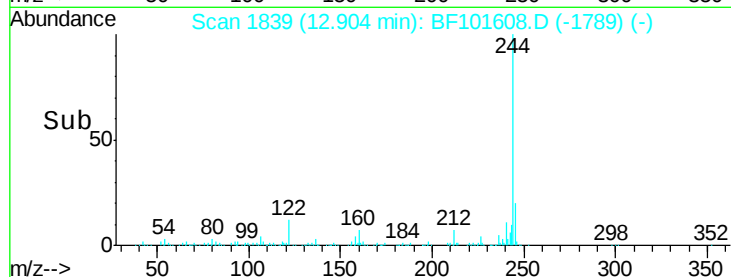
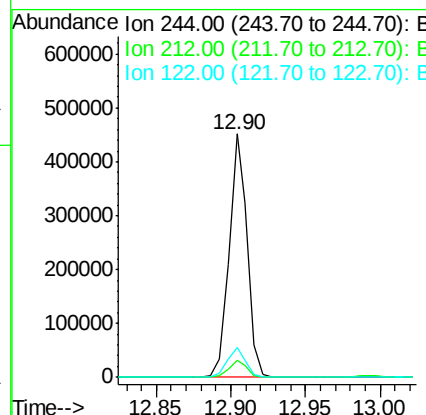
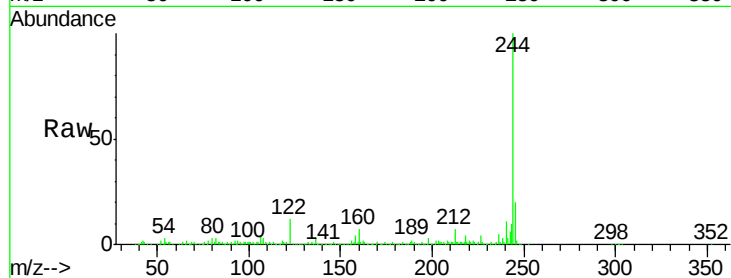




#78
 Terphenyl-d14
 Concen: 33.940 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

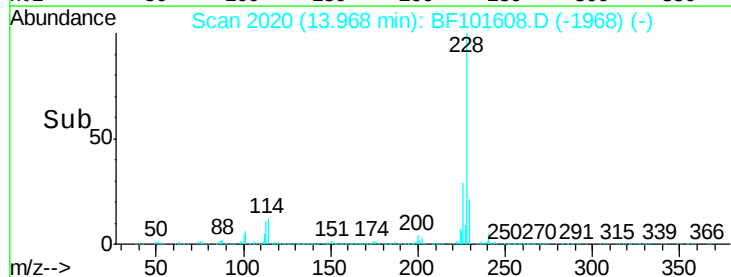
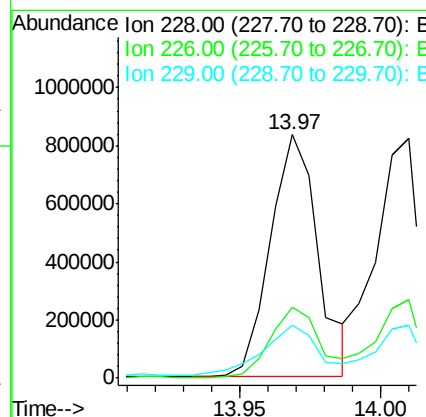
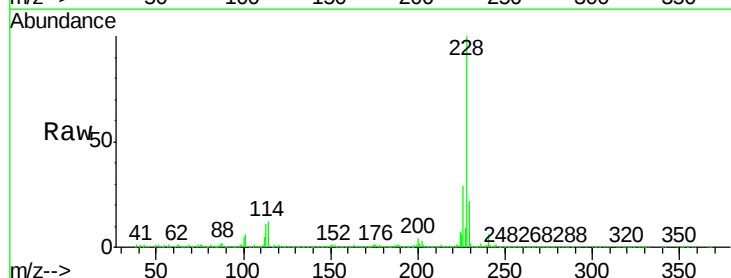
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-D

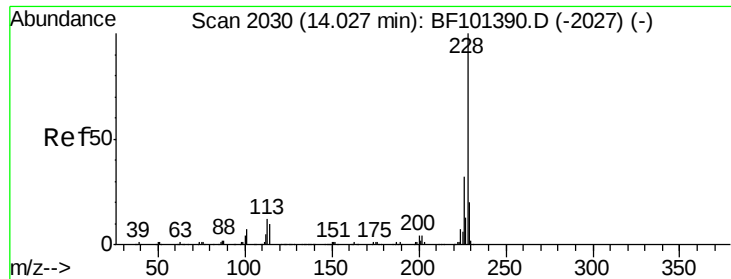
Tgt Ion:244 Resp: 385914
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 53.915 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF101608.D
 Acq: 21 Dec 2017 15:50

Tgt Ion:228 Resp: 975879
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 21.9 15.8 23.6





#82

Chrysene

Concen: 51.103 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

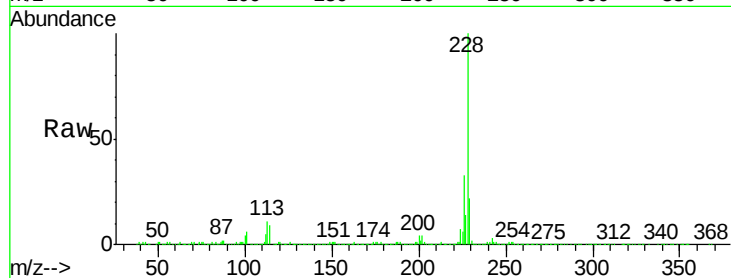
Tgt Ion:228 Resp: 873364

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

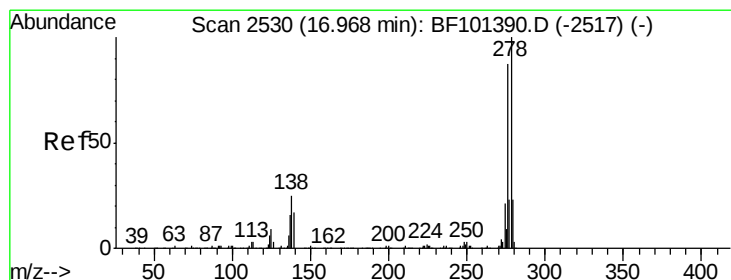
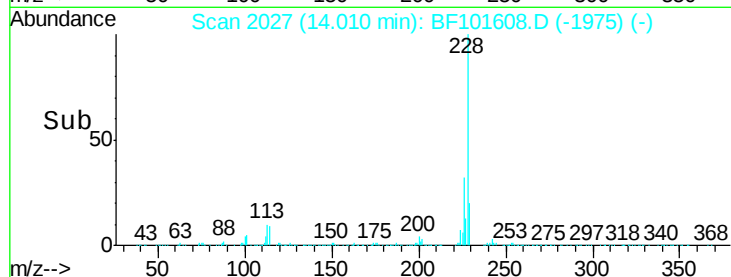
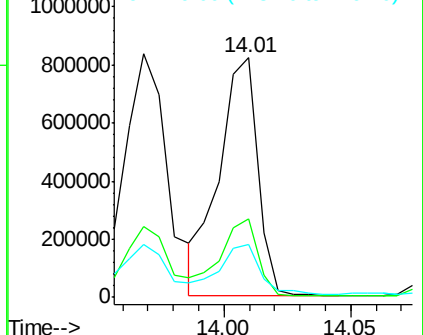
229 22.3 16.2 24.4



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: 17.125 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

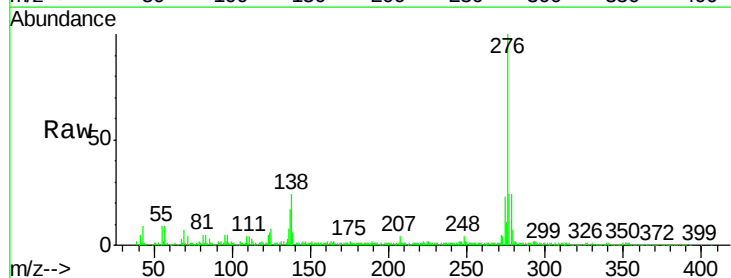
Tgt Ion:276 Resp: 260625

Ion Ratio Lower Upper

276 100

138 24.0 25.0 37.6#

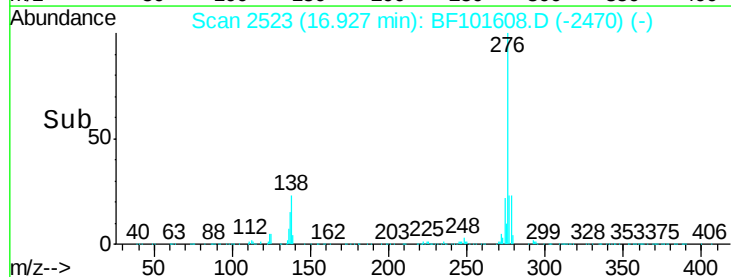
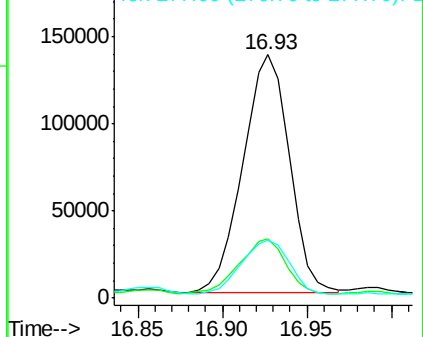
277 24.9 20.1 30.1

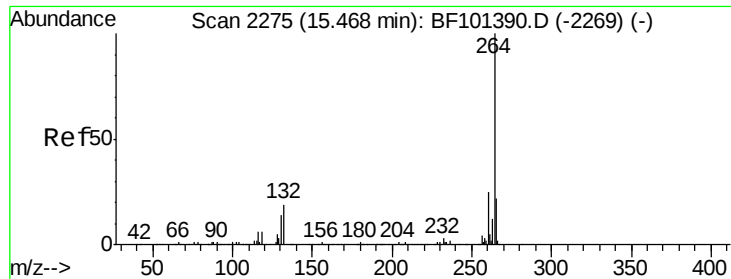


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

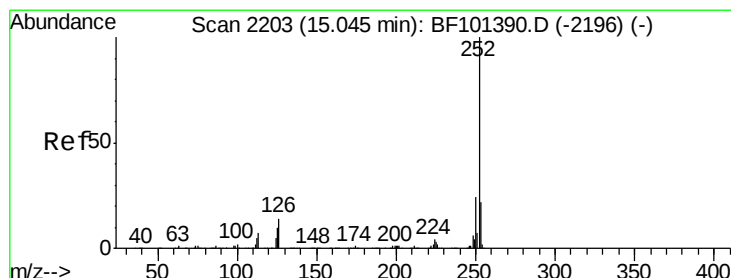
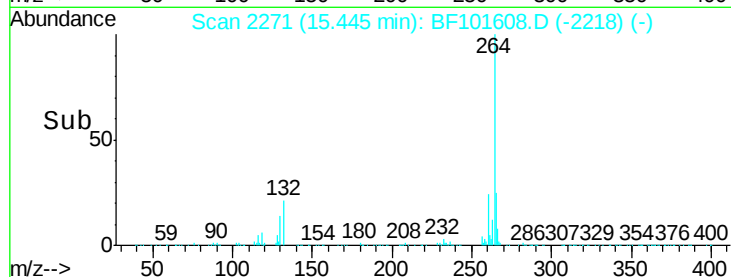
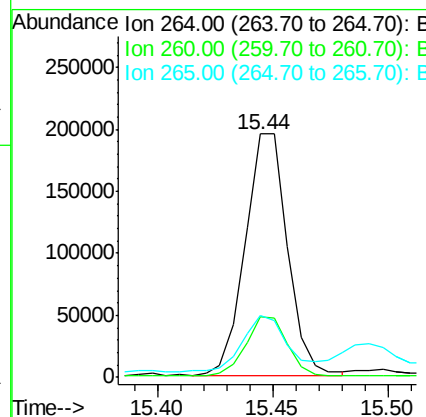
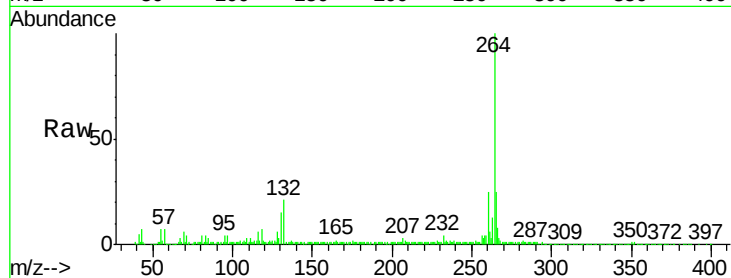




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

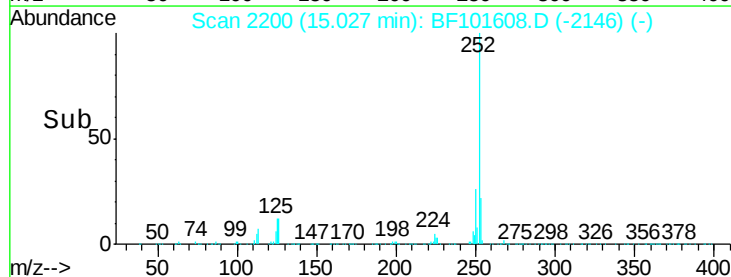
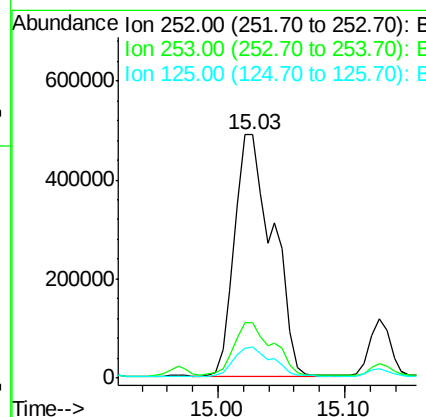
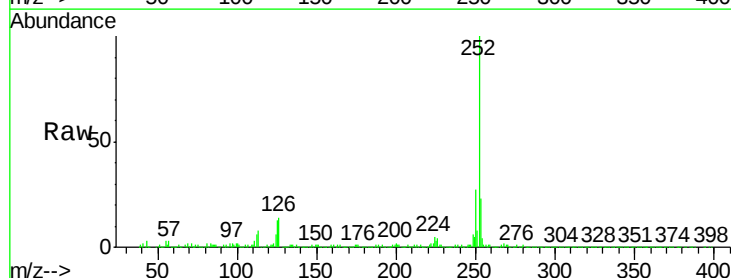
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-D

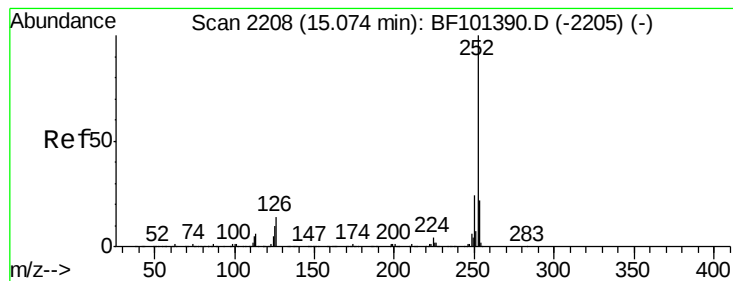
Tgt Ion: 264 Resp: 249811
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 25.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 66.854 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF101608.D
Acq: 21 Dec 2017 15:50

Tgt Ion: 252 Resp: 1017955
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 12.8 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 68.760 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

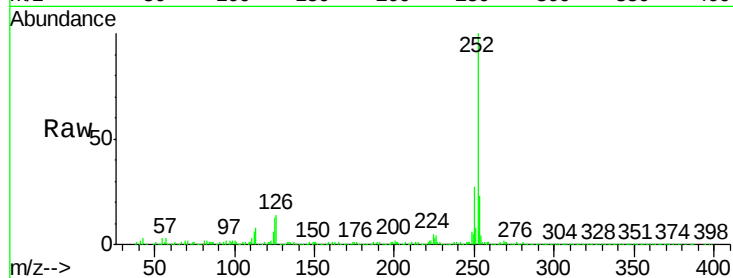
Tgt Ion:252 Resp: 1017955

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

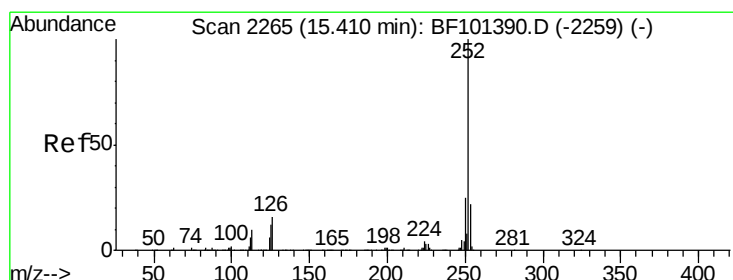
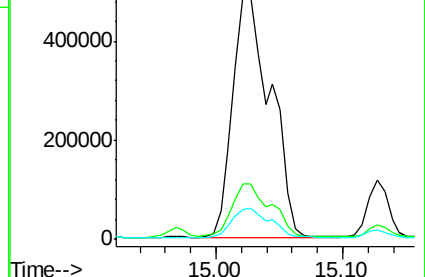
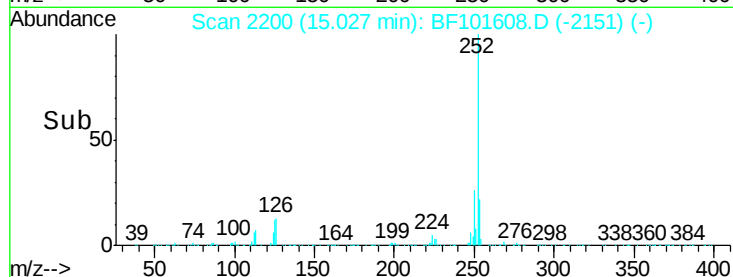
125 12.8 10.2 15.2



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: 43.179 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

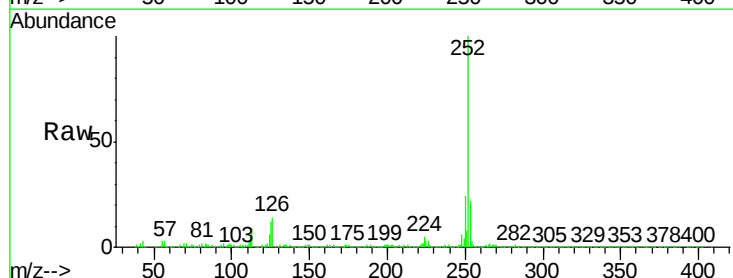
Tgt Ion:252 Resp: 606087

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

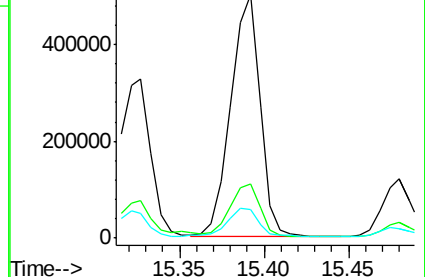
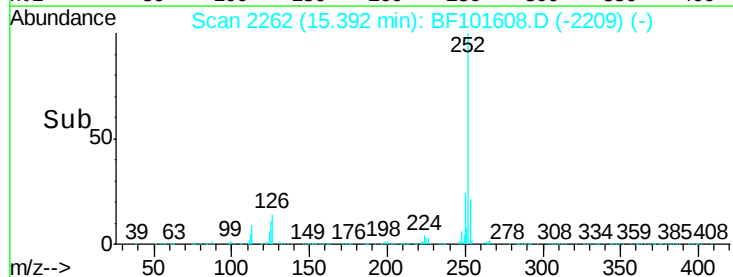
125 11.7 9.8 14.6

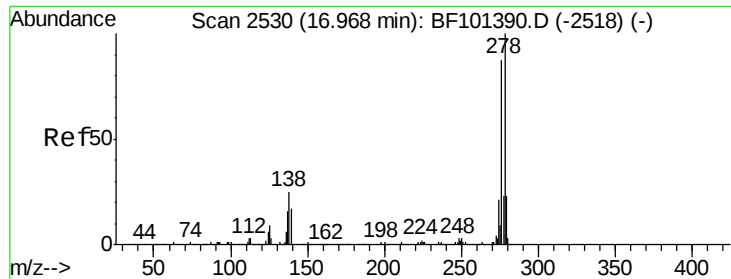


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.800 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.18 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-D

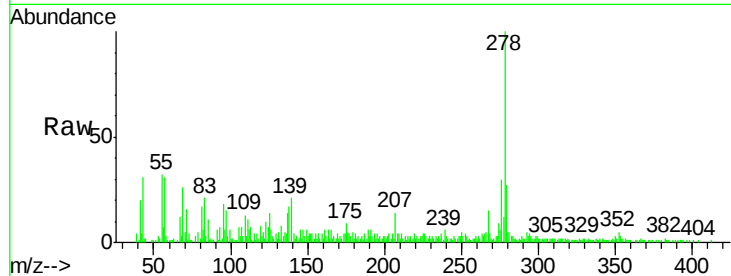
Tgt Ion:278 Resp: 69904

Ion Ratio Lower Upper

278 100

139 21.1 15.9 23.9

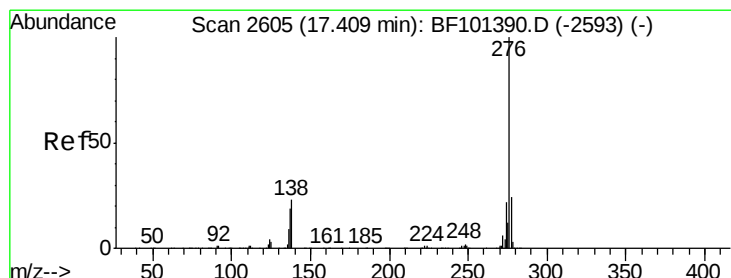
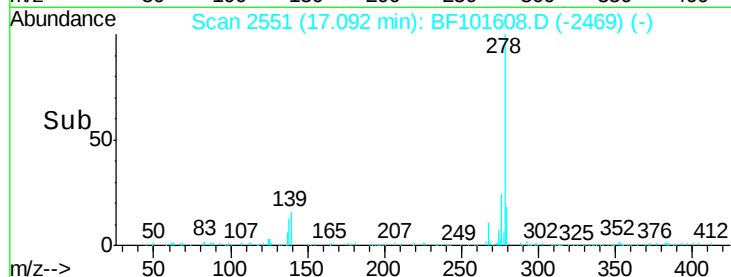
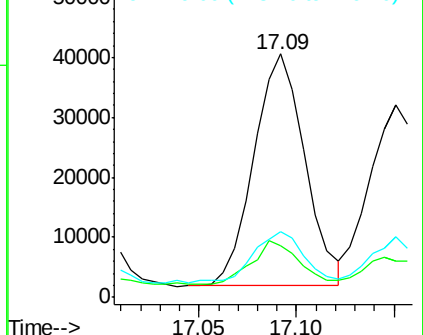
279 27.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.766 ng

RT: 17.38 min Scan# 2600

Delta R.T. 0.03 min

Lab File: BF101608.D

Acq: 21 Dec 2017 15:50

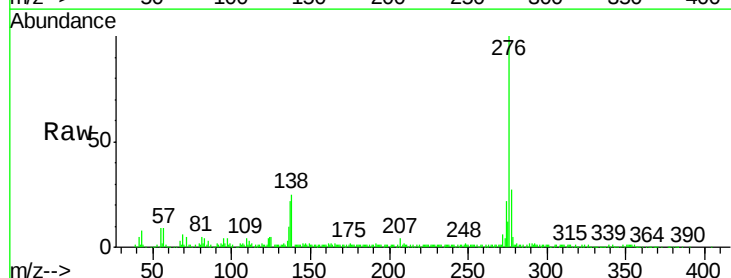
Tgt Ion:276 Resp: 283620

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 25.0 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

