

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107959.D
 Acq On : 4 Aug 2018 00:58
 Operator : JU/SJ
 Sample : J4313-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 04:09:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

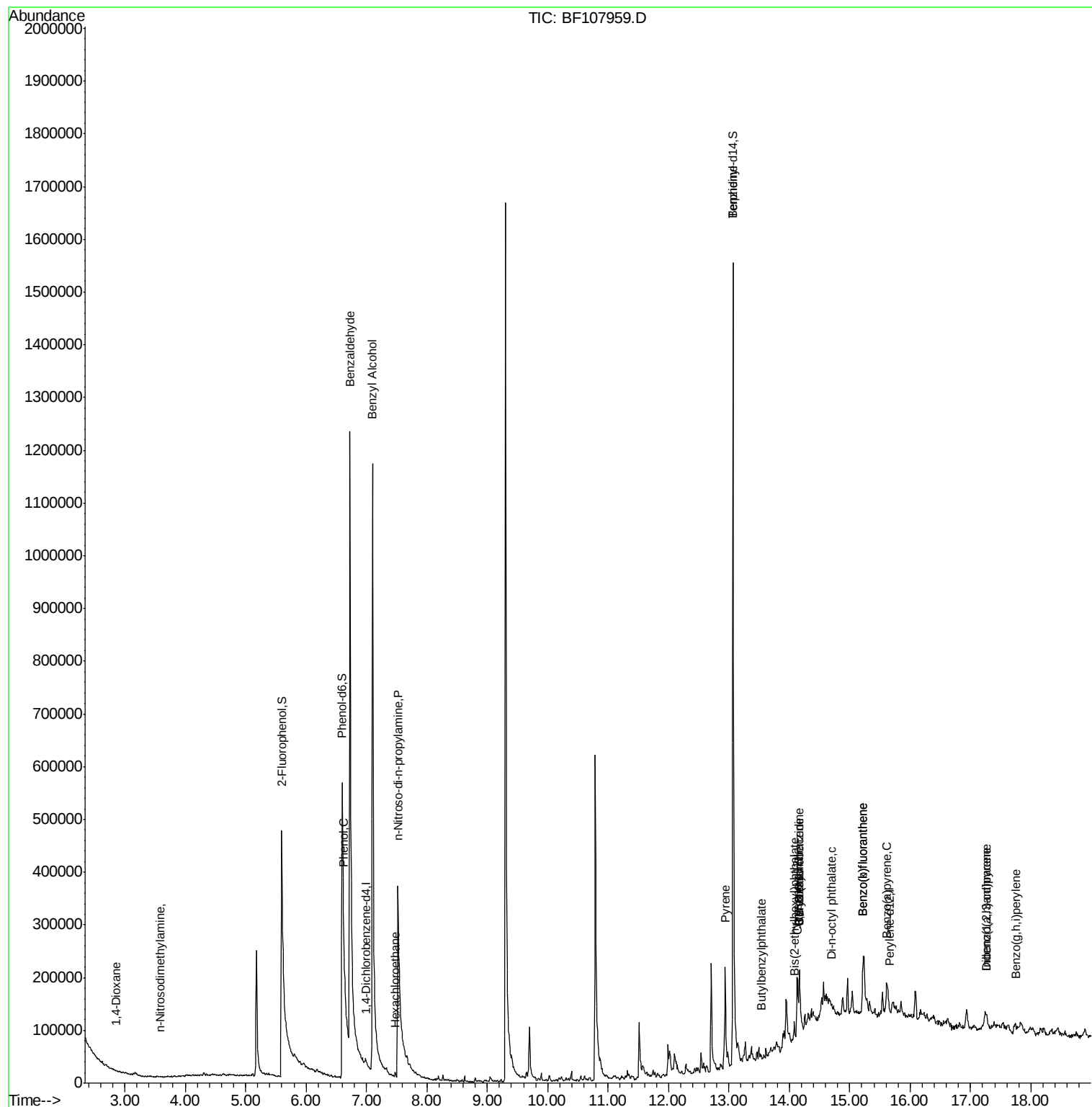
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	3190	20.00	ng	0.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.25
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-10.01
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.50
75) Chrysene-d12	14.14	240	412	20.00	ng	-0.01
86) Perylene-d12	15.67	264	644	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	482694	2571.66	ng	0.00
7) Phenol-d6	6.60	99	725931	2934.55	ng	-0.01
23) Nitrobenzene-d5	7.52	82	404680	0.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	158148	0.00	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	875575	0.00	ng	-0.02
78) Terphenyl-d14	13.07	244	773921	40732.86	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.86	88	439	10.177	ng	# 1
4) n-Nitrosodimethylamine	3.58	42	535	5.602	ng	# 1
9) Benzaldehyde	6.72	77	12376	82.921	ng	85
10) Phenol	6.62	94	6772	22.956	ng	# 1
15) Benzyl Alcohol	7.10	79	7120	46.307	ng	# 50
18) Hexachloroethane	7.48	117	5449	55.072	ng	# 8
19) n-Nitroso-di-n-propylamine	7.52	70	46661	297.350	ng	# 83
76) Benzidine	13.07	184	8914	669.169	ng	# 91
77) Pyrene	12.94	202	120159	4050.204	ng	97
79) Butylbenzylphthalate	13.54	149	541	41.642	ng	# 87
80) Benzo(a)anthracene	14.17	228	74599	3196.411	ng	98
81) 3,3'-Dichlorobenzidine	14.17	252	828	91.522	ng	# 41
82) Chrysene	14.17	228	74599	2963.487	ng	96
83) Bis(2-ethylhexyl)phthalate	14.08	149	6850	419.411	ng	# 94
84) Di-n-octyl phthalate	14.70	149	1972	75.223	ng	# 23
85) Indeno(1,2,3-cd)pyrene	17.27	276	21263	1110.509	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	100548	3165.669	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	100548	2578.436	ng	98
89) Benzo(a)pyrene	15.61	252	47504	1448.757	ng	# 90
90) Dibenzo(a,h)anthracene	17.27	278	4329	151.354	ng	# 45
91) Benzo(g,h,i)perylene	17.74	276	19523	705.437	ng	97

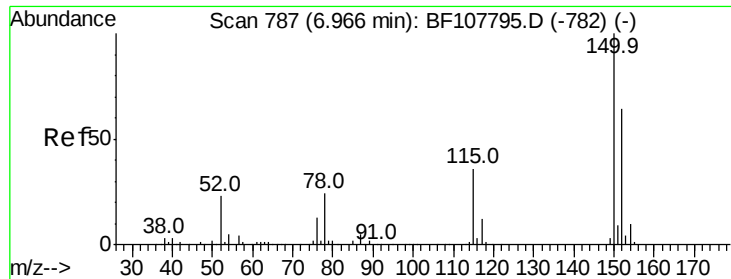
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107959.D
Acq On : 4 Aug 2018 00:58
Operator : JU/SJ
Sample : J4313-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 04 04:09:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration



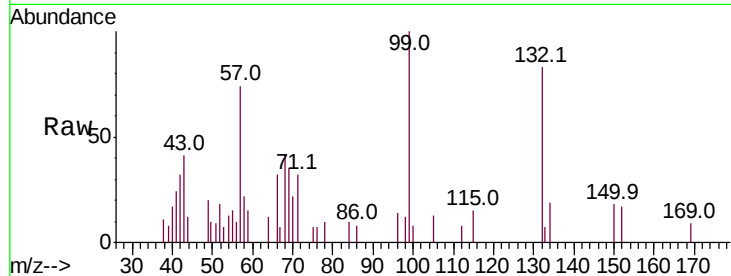


#1

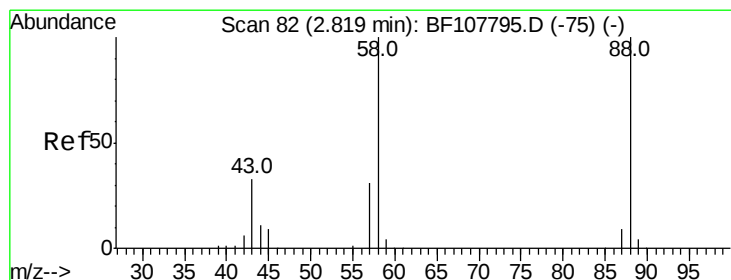
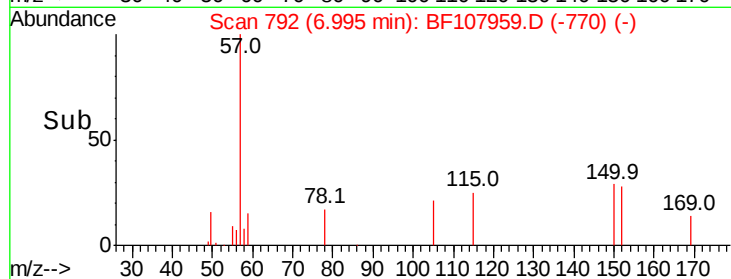
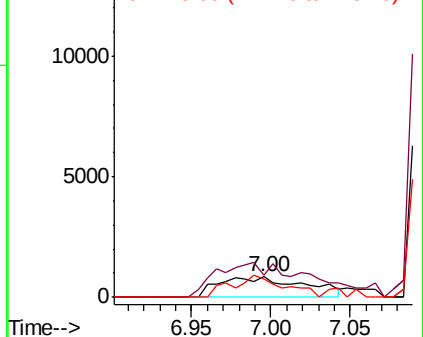
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. 0.03 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 3190
Ion Ratio Lower Upper
152 100
150 106.1 124.6 186.8#
115 88.8 50.1 75.1#



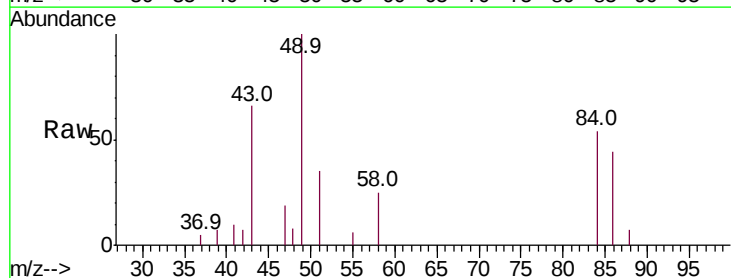
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



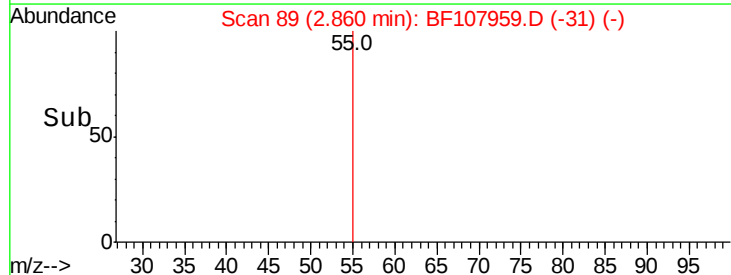
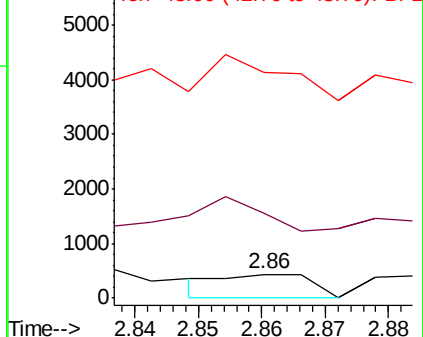
#2

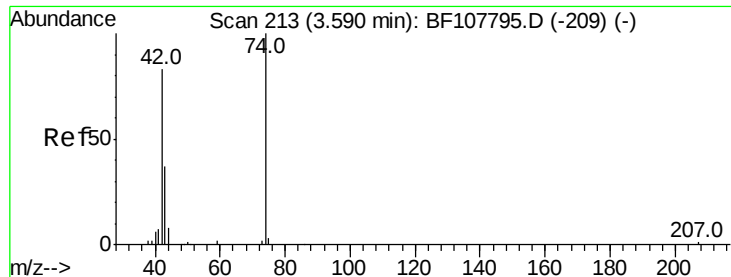
1,4-Dioxane
Concen: 10.177 ng
RT: 2.86 min Scan# 89
Delta R.T. 0.04 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

Tgt Ion: 88 Resp: 439
Ion Ratio Lower Upper
88 100
58 236.4 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1



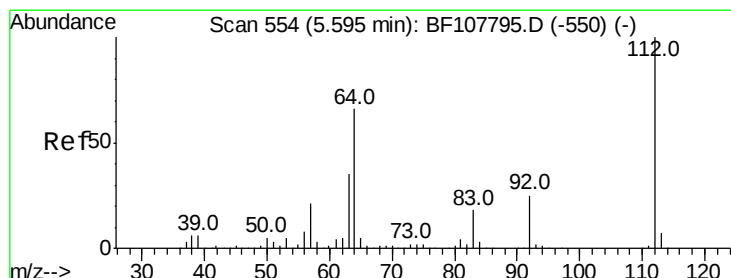
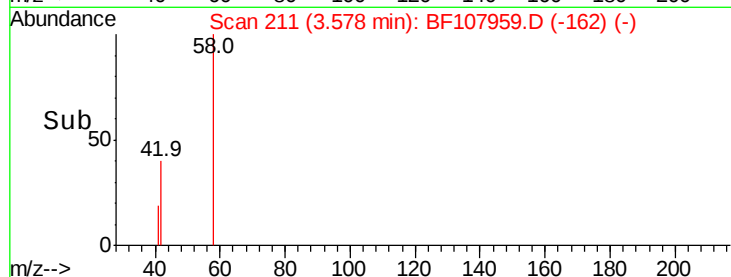
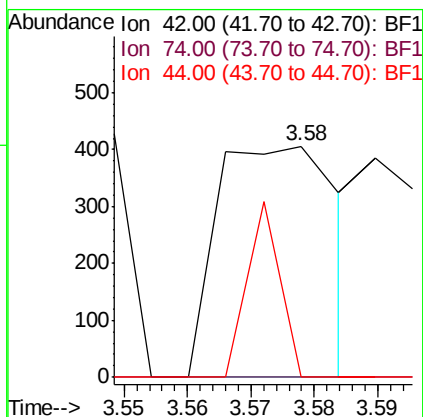
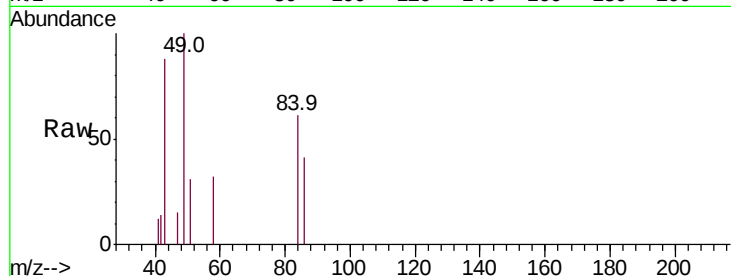


#4

n-Nitrosodimethylamine
 Concen: 5.602 ng
 RT: 3.58 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Instrument :
 BNA_F
 ClientSampled :

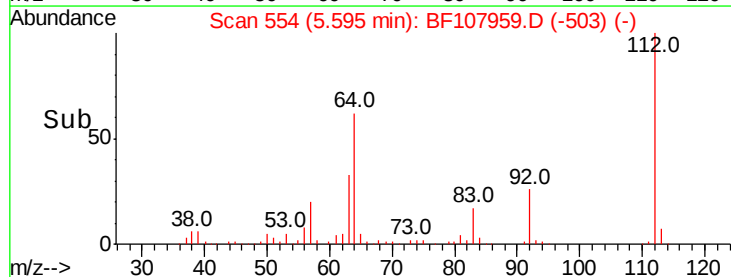
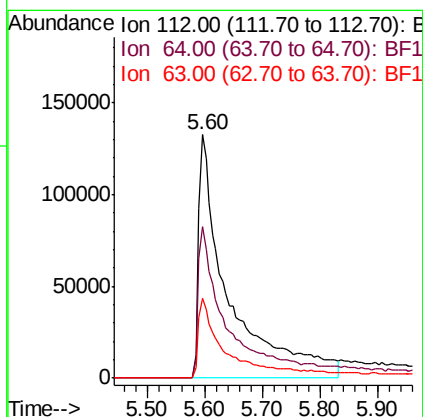
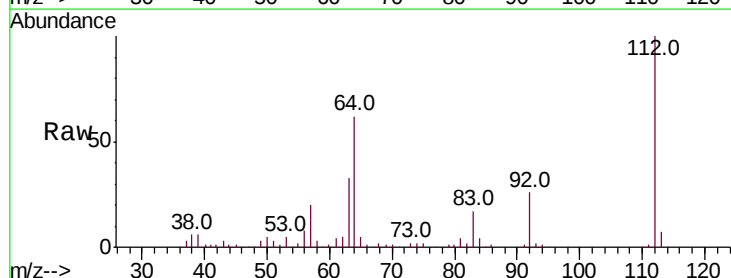
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	104.9	157.3#
44	0.0	6.9	10.3#

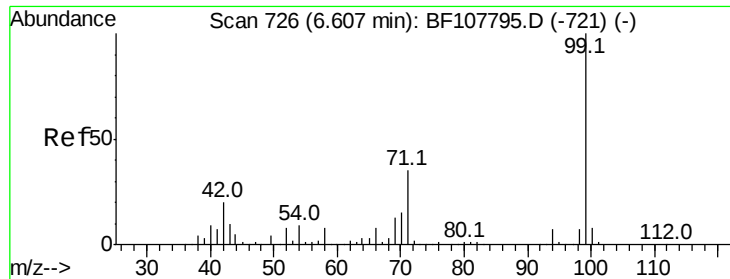


#5

2-Fluorophenol
 Concen: 2571.664 ng
 RT: 5.60 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 2934.549 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

Instrument :

BNA_F

ClientSampleId :

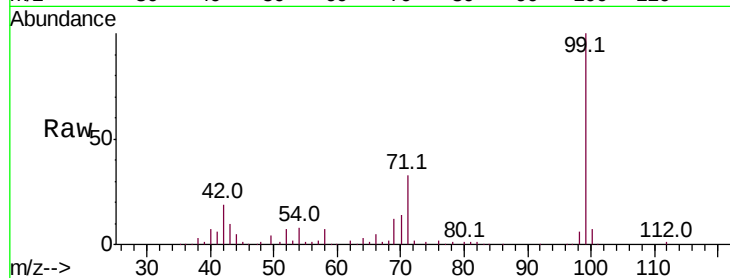
Tot Ion: 99 Resp: 725931

Ion Ratio Lower Upper

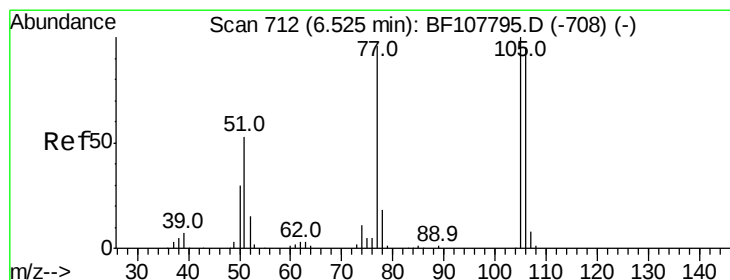
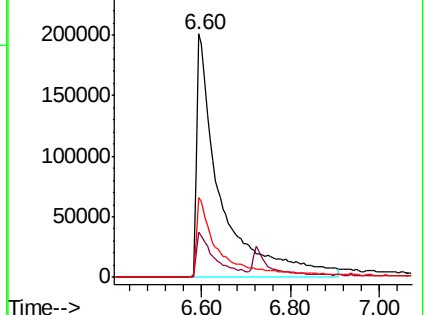
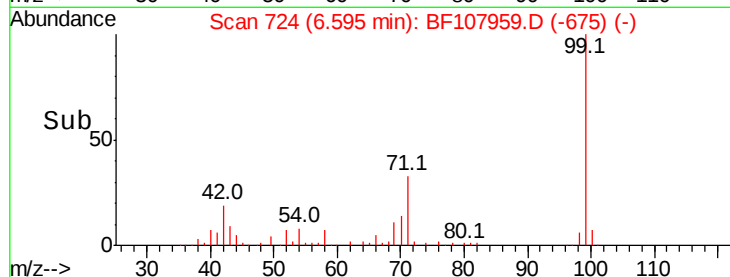
99 100

42 18.8 14.5 21.7

71 32.9 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



#9

Benzaldehyde

Concen: 82.921 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.20 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

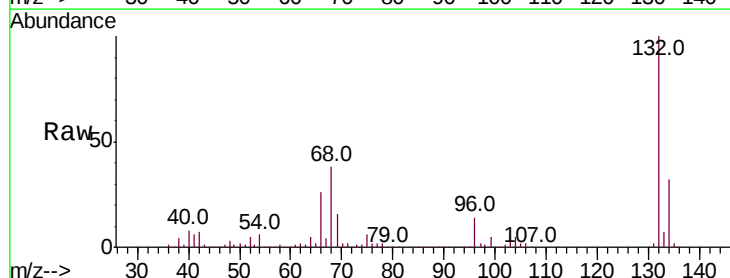
Tgt Ion: 77 Resp: 12376

Ion Ratio Lower Upper

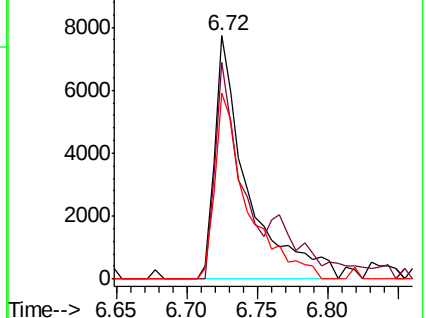
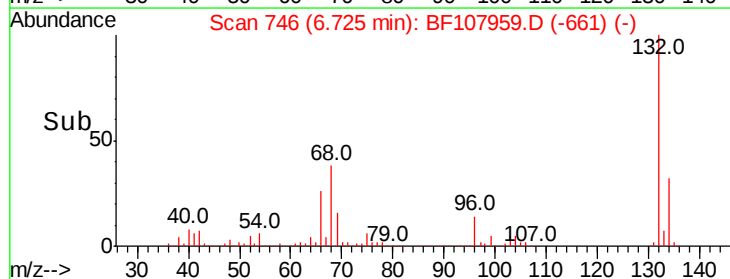
77 100

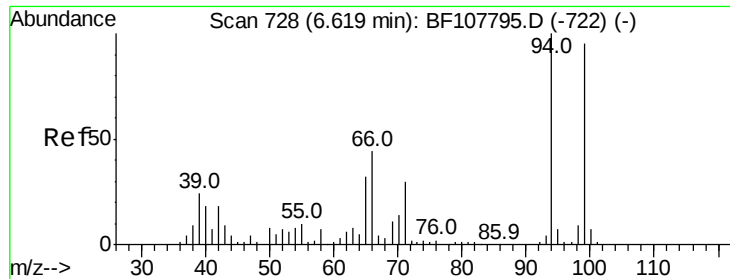
105 88.8 81.1 121.1

106 76.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

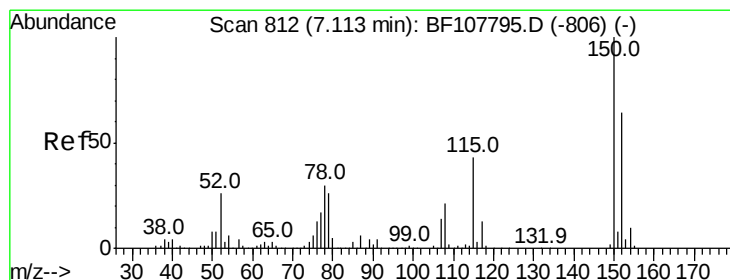
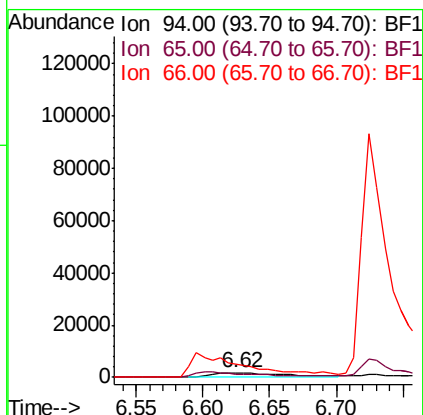
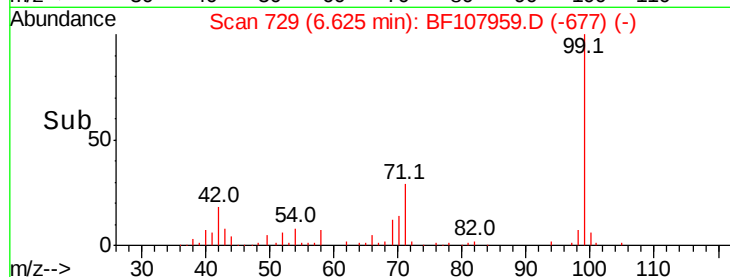
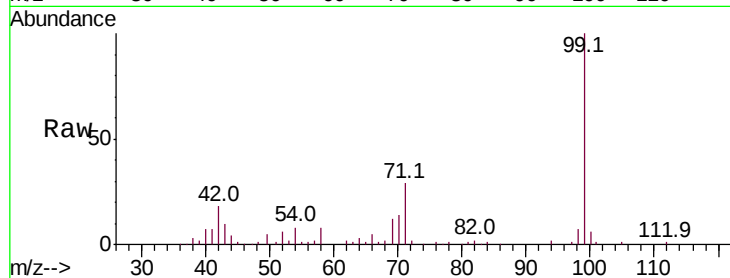




#10
Phenol
Concen: 22.956 ng
RT: 6.62 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

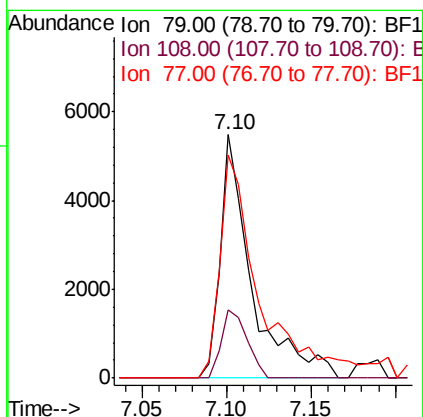
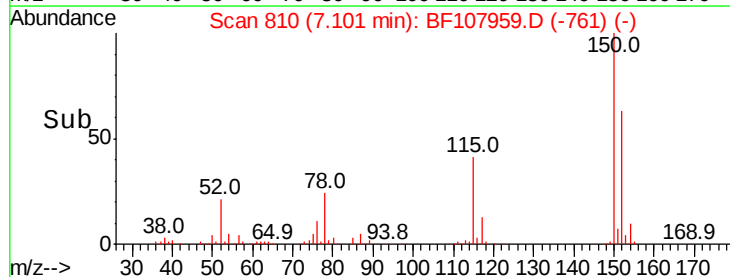
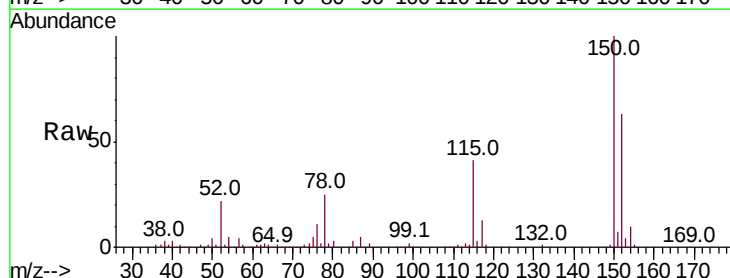
Instrument :
BNA_F
ClientSampled :

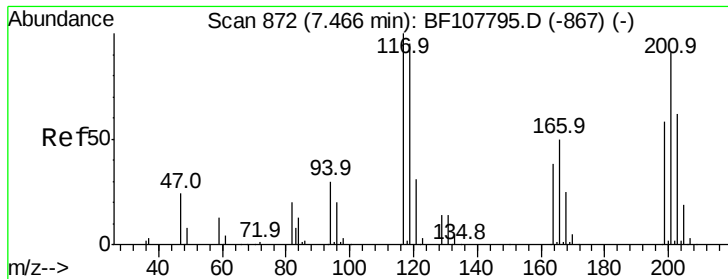
Tot Ion: 94 Resp: 6772
Ion Ratio Lower Upper
94 100
65 73.5 7.9 47.9#
66 280.1 16.2 56.2#



#15
Benzyl Alcohol
Concen: 46.307 ng
RT: 7.10 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

Tgt Ion: 79 Resp: 7120
Ion Ratio Lower Upper
79 100
108 28.1 65.1 97.7#
77 91.9 50.6 75.8#

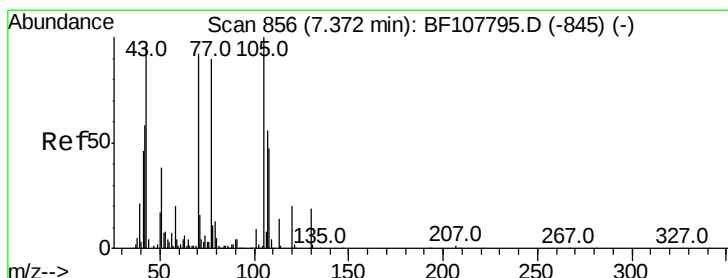
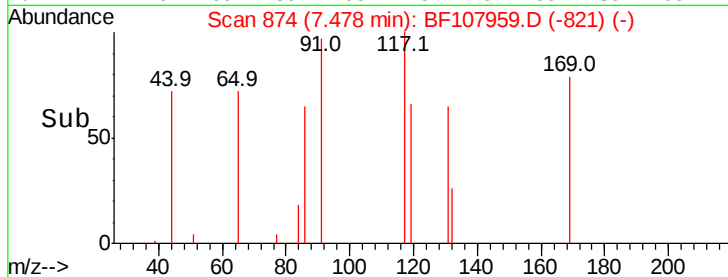
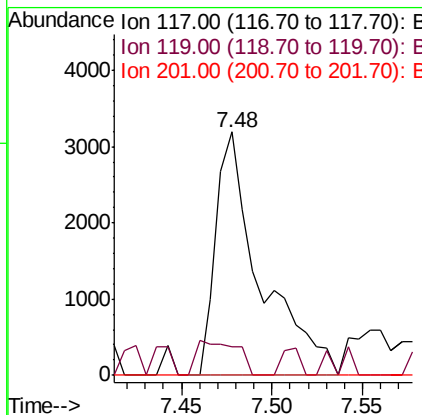
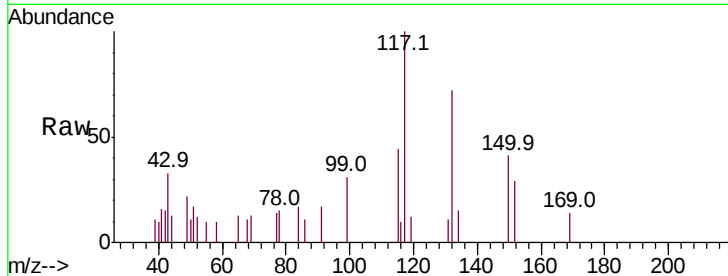




#18
Hexachloroethane
Concen: 55.072 ng
RT: 7.48 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

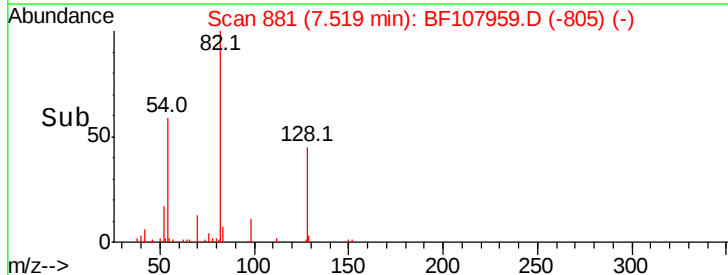
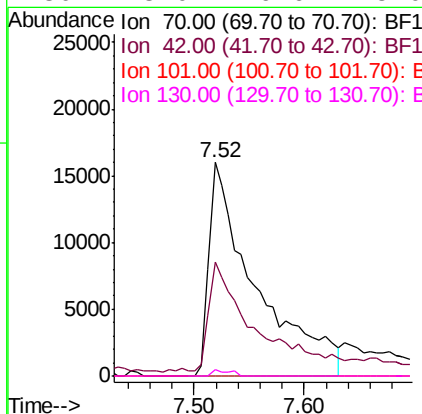
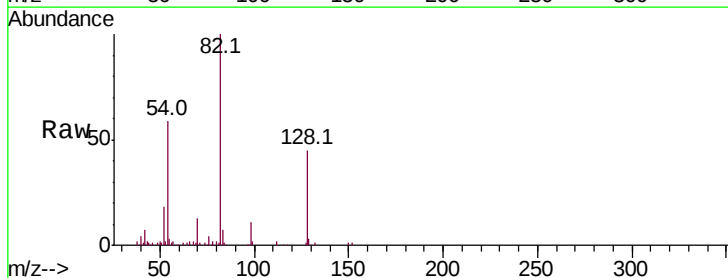
Instrument :
BNA_F
ClientSampleId :

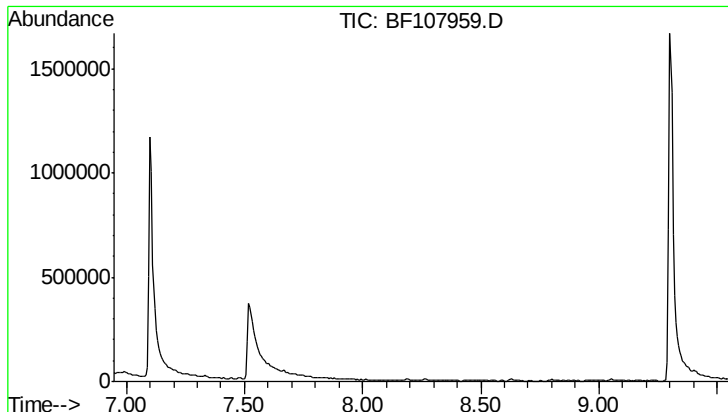
Tot Ion:117 Resp: 5449
Ion Ratio Lower Upper
117 100
119 11.6 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 297.350 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.15 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

Tgt Ion: 70 Resp: 46661
Ion Ratio Lower Upper
70 100
42 53.2 47.5 71.3
101 0.0 7.4 11.2#
130 3.0 16.6 25.0#

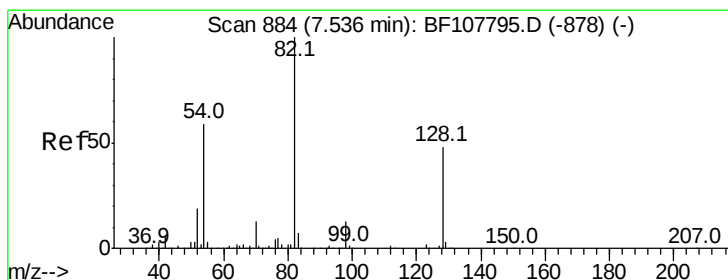
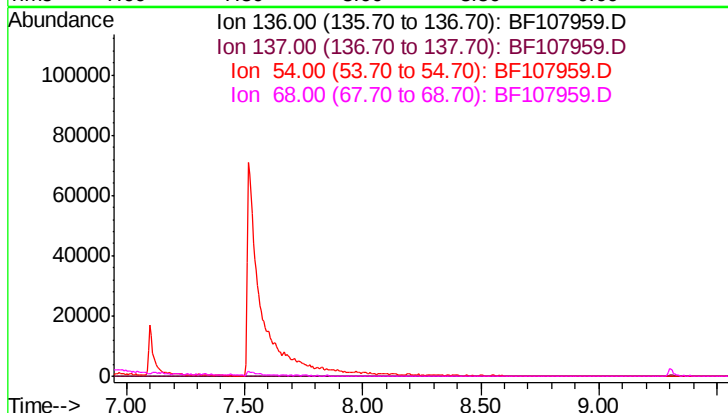




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.25 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

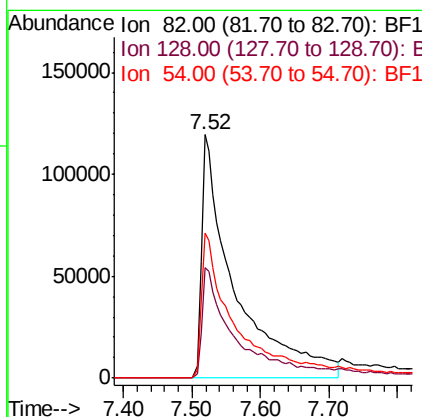
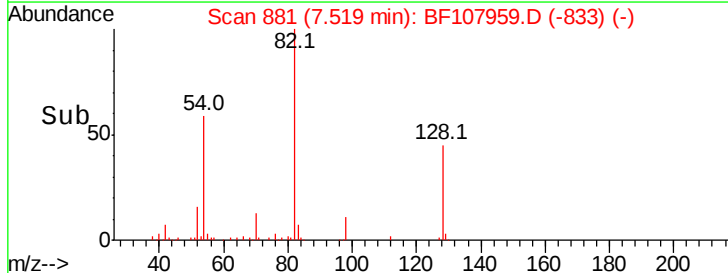
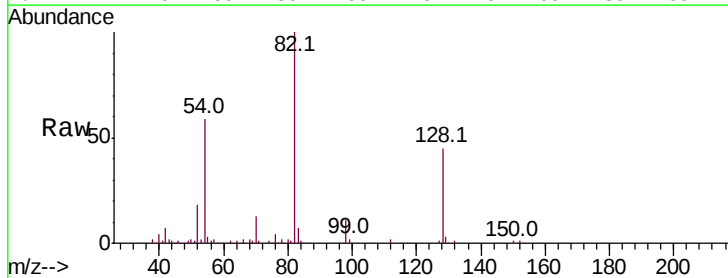
Instrument :
BNA_F
ClientSampleId :

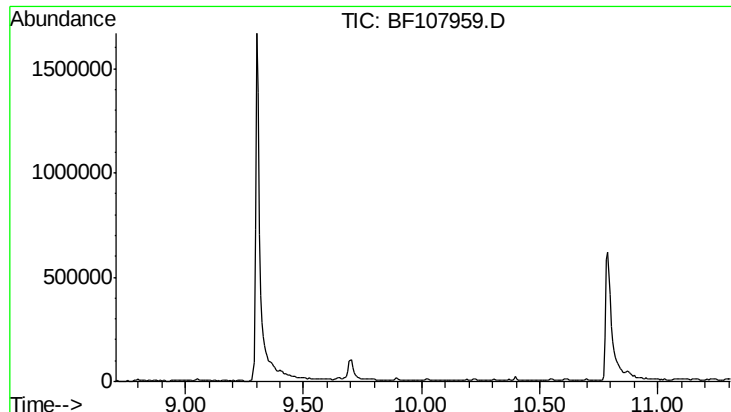
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 8.2
68 6.2



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107959.D
Acq: 4 Aug 2018 00:58

Tgt Ion: 82 Resp: 404680
Ion Ratio Lower Upper
82 100
128 45.3 36.1 54.1
54 59.3 41.4 62.2

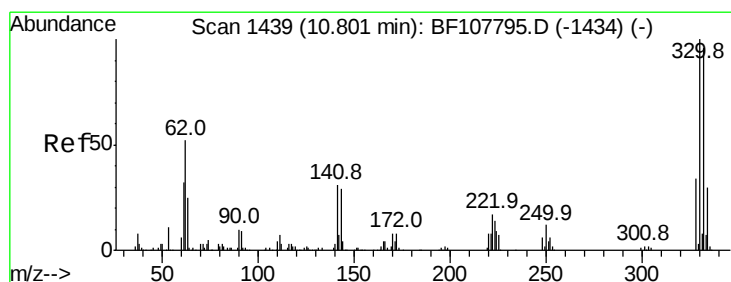
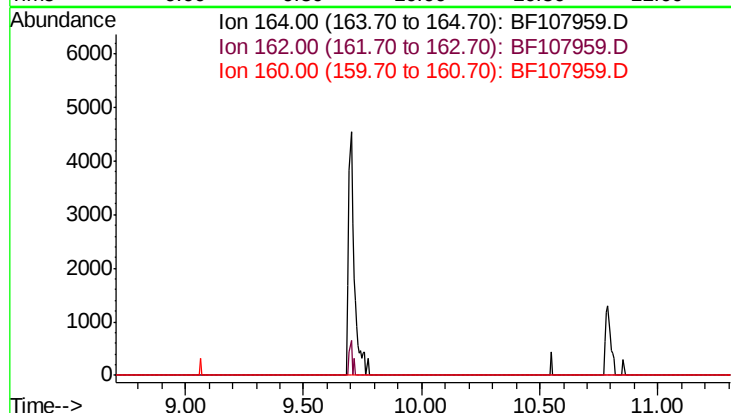




#38
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 10.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

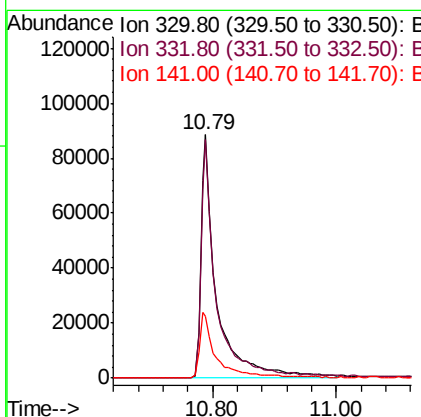
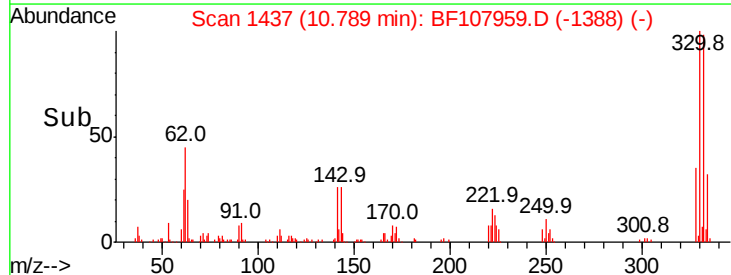
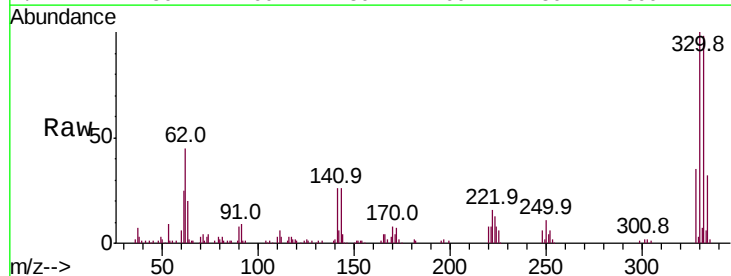
Instrument :
 BNA_F
 ClientSampleId :

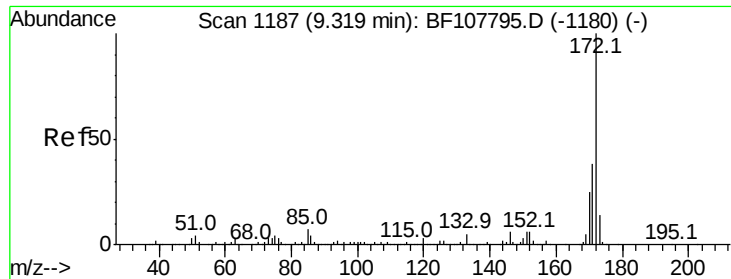
Tot Ion: 164
 Sig Exp Ratio
 164 100
 162 107.6
 160 47.9



#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion: 330 Resp: 158148
 Ion Ratio Lower Upper
 330 100
 332 92.7 77.0 115.6
 141 27.6 29.9 44.9#

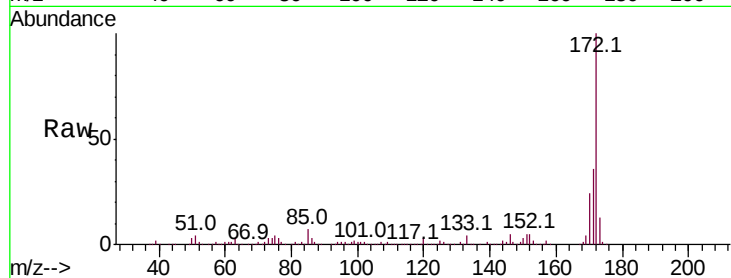




#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4

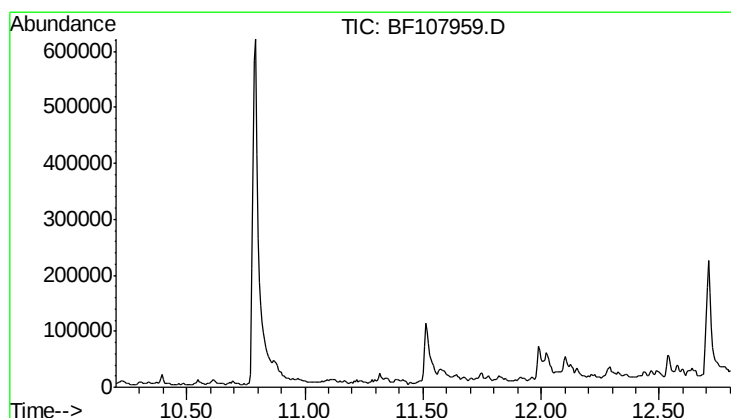
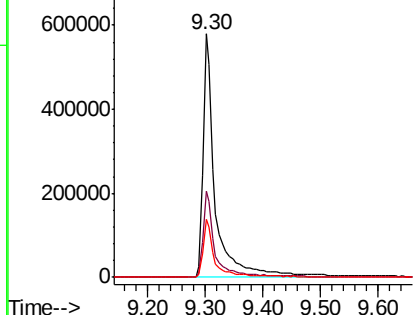
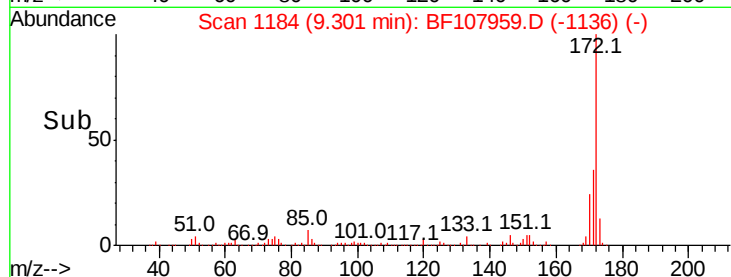


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

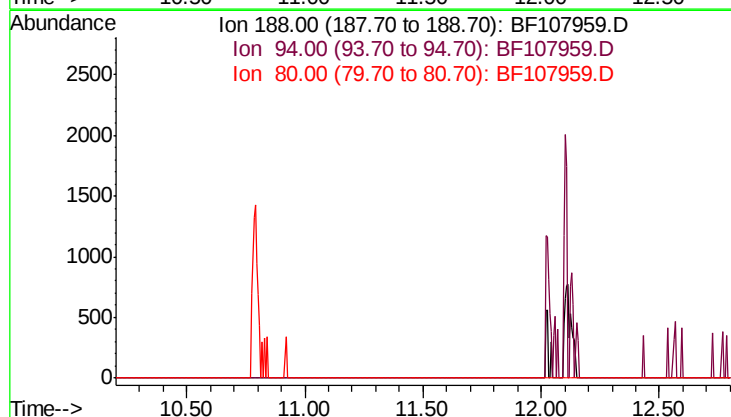
Ion 170.00 (169.70 to 170.70): E

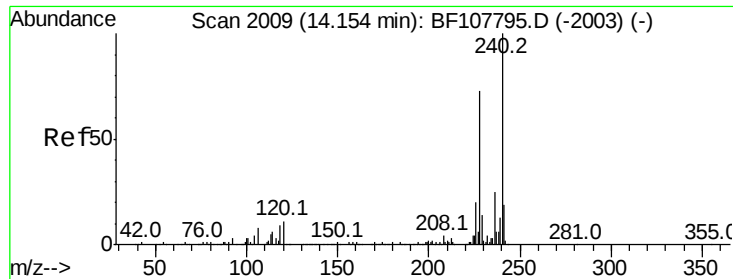


#63
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.50 min

Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion	Sig	Exp Ratio
188	100	
94	10.6	
80	11.5	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

Instrument :

BNA_F

ClientSampled :

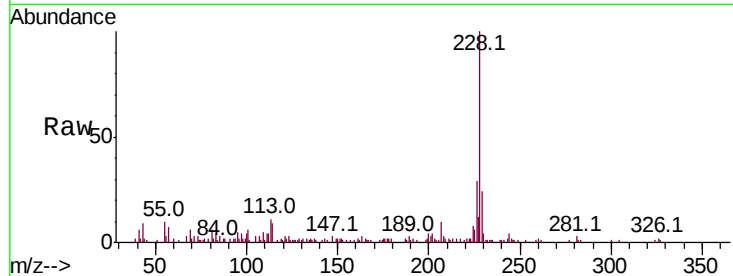
Tot Ion:240 Resp: 412

Ion Ratio Lower Upper

240 100

120 99.8 9.5 14.3#

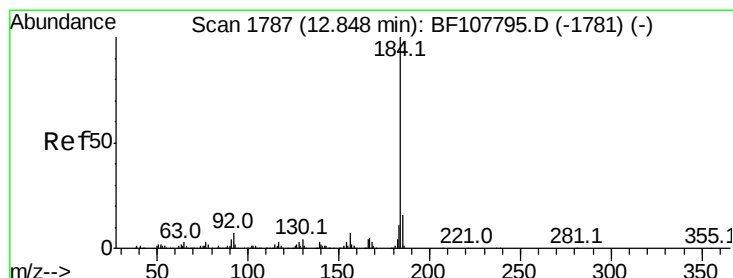
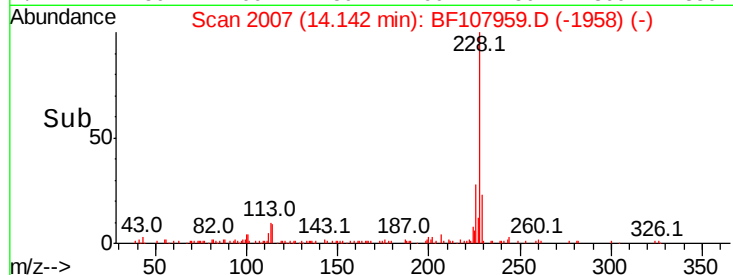
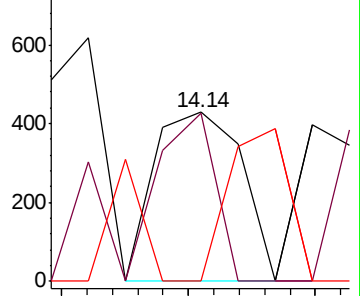
236 0.0 20.7 31.1#



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



#76

Benzidine

Concen: 669.169 ng

RT: 13.07 min Scan# 1825

Delta R.T. 0.22 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

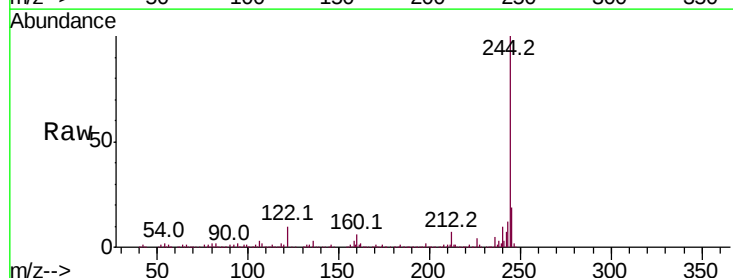
Tgt Ion:184 Resp: 8914

Ion Ratio Lower Upper

184 100

185 19.5 12.6 18.8#

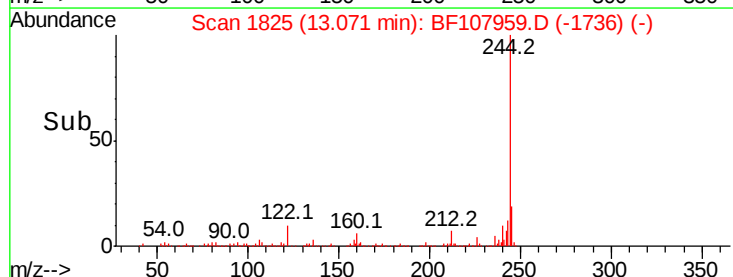
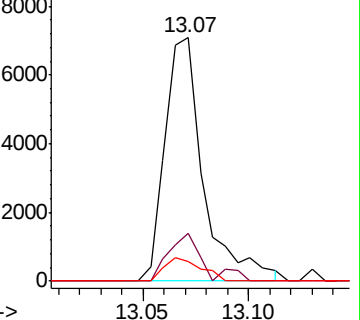
183 8.0 9.3 13.9#

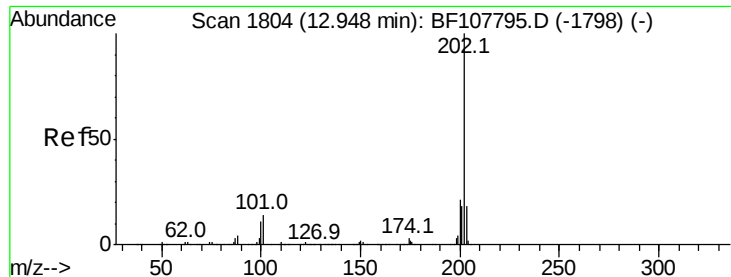


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 4050.204 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

Instrument :

BNA_F

ClientSampled :

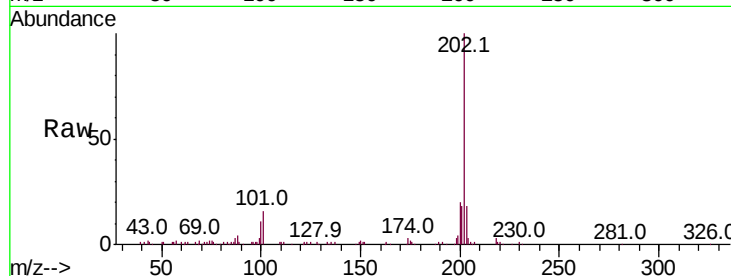
Tot Ion:202 Resp: 120159

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

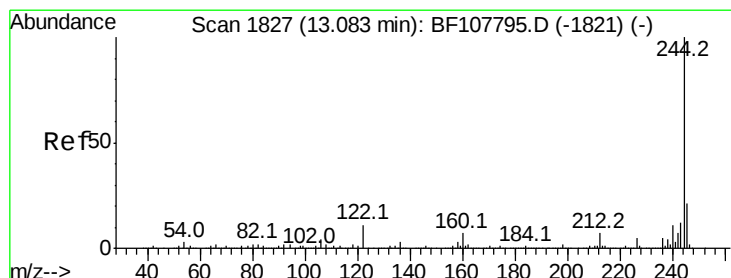
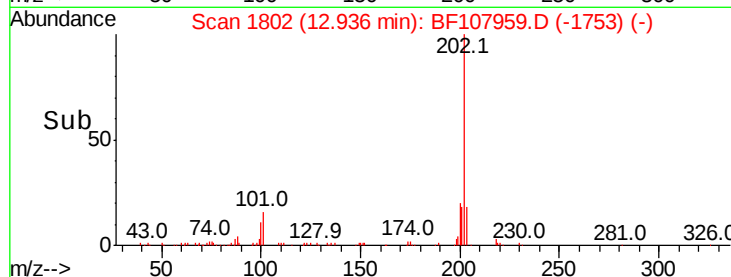
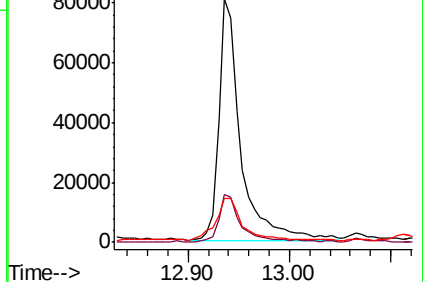
203 18.2 14.3 21.5



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: 40732.862 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

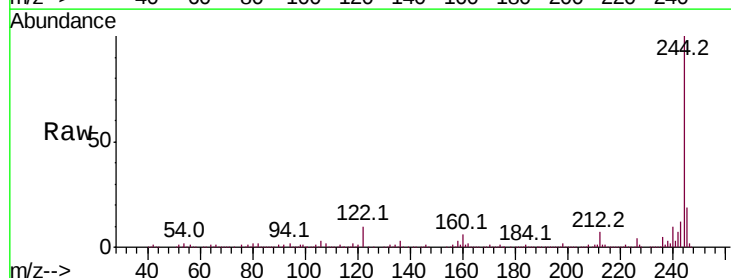
Tgt Ion:244 Resp: 773921

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

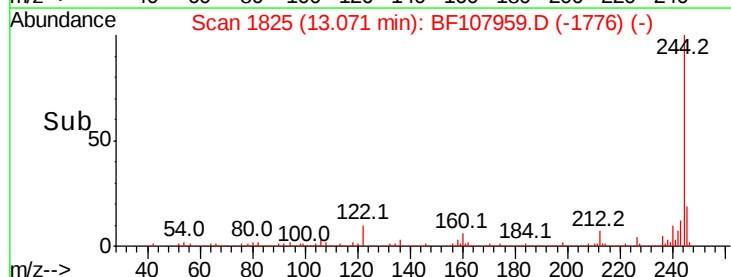
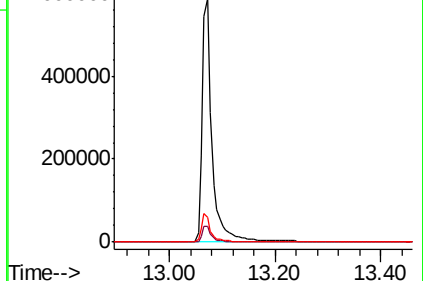
122 10.3 11.0 16.4#

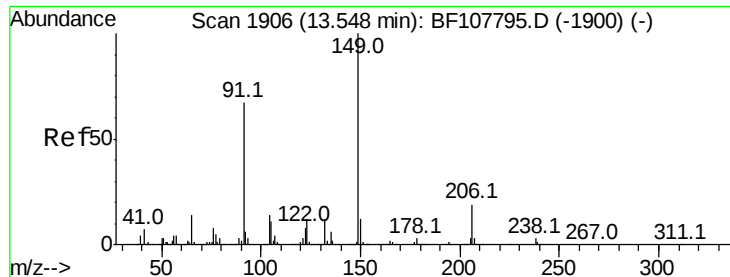


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

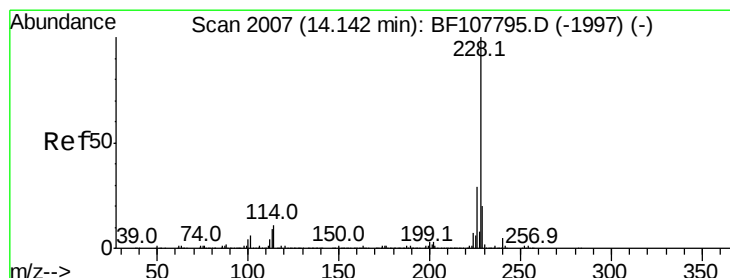
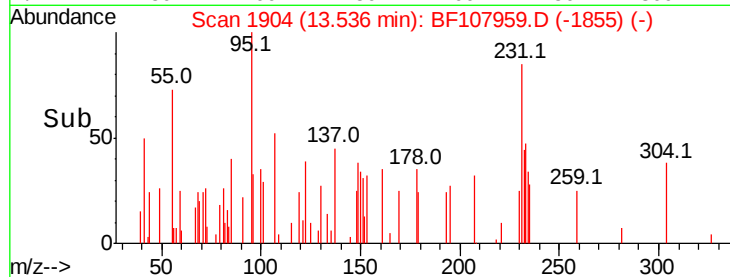
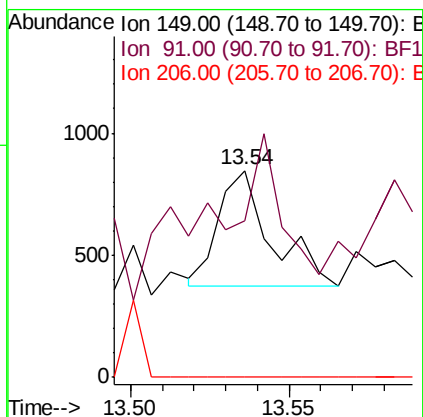
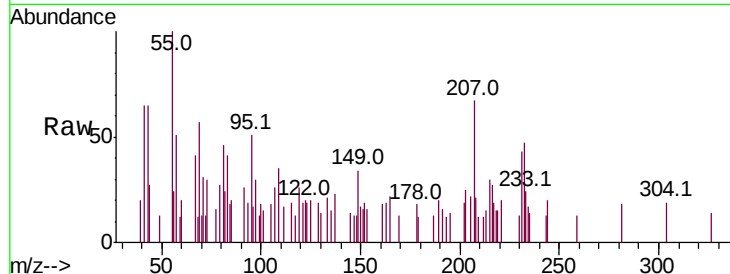




#79
 Butylbenzylphthalate
 Concen: 41.642 ng
 RT: 13.54 min Scan# 1904
 Delta R.T. -0.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

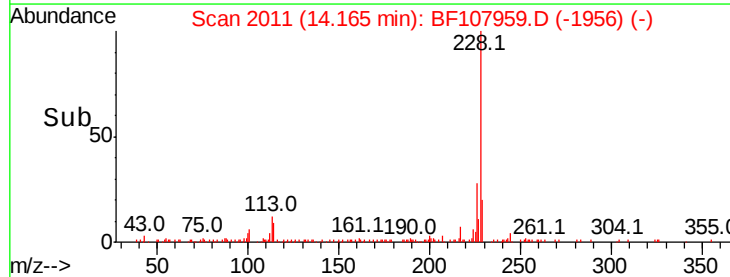
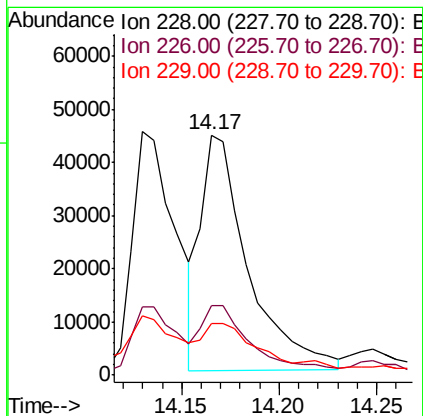
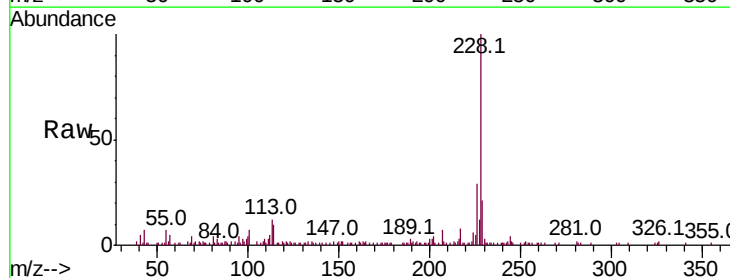
Instrument :
 BNA_F
 ClientSampled :

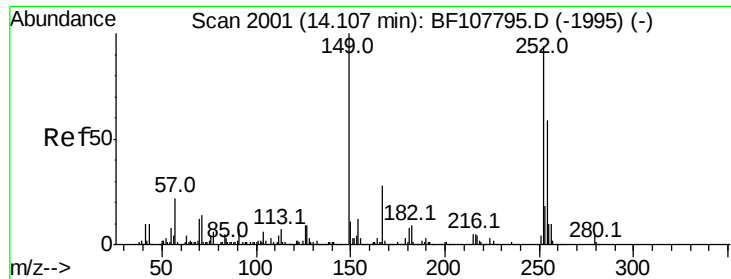
Tot Ion:149 Resp: 541
 Ion Ratio Lower Upper
 149 100
 91 76.0 56.8 85.2
 206 0.0 14.1 21.1#



#80
 Benzo(a)anthracene
 Concen: 3196.411 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. 0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion:228 Resp: 74599
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 21.4 15.8 23.6

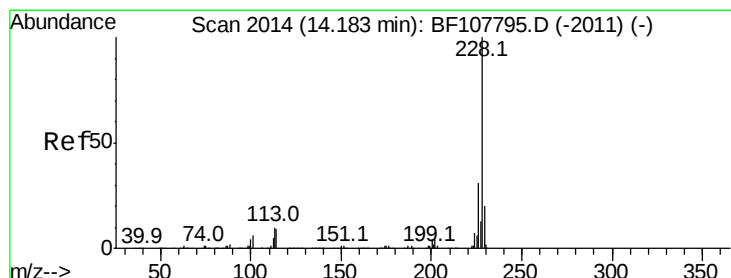
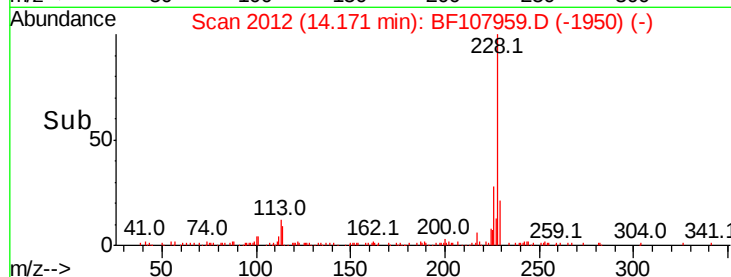
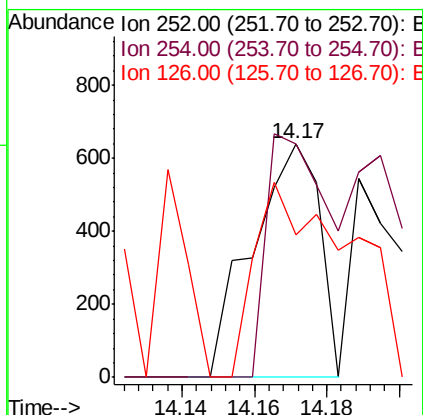
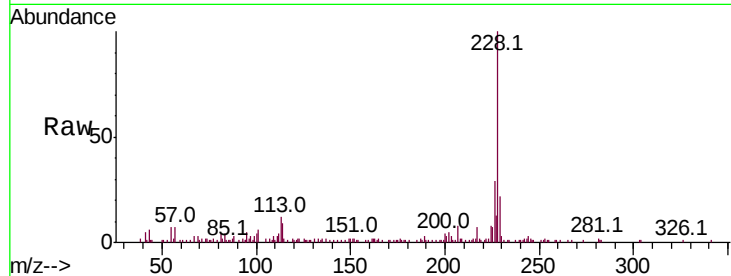




#81
 3,3'-Dichlorobenzidine
 Concen: 91.522 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. 0.06 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

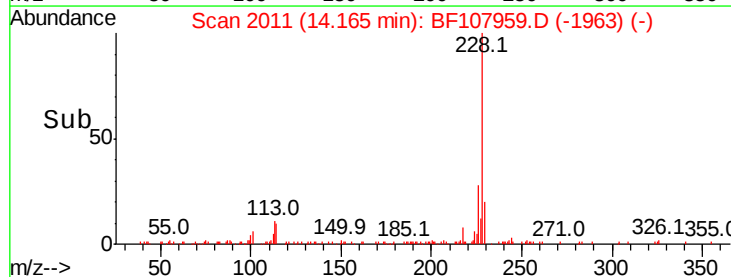
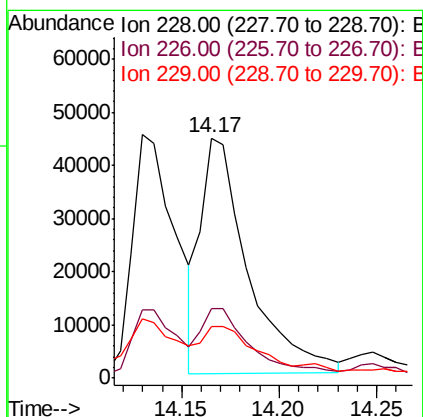
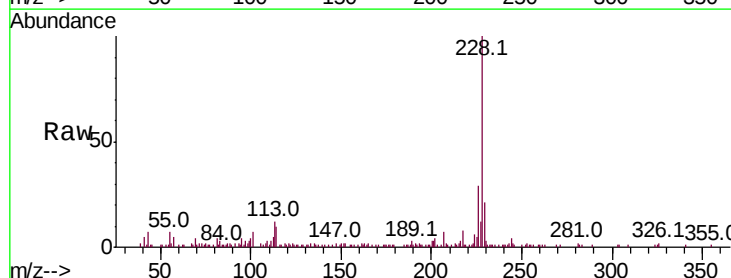
Instrument :
 BNA_F
 ClientSampleId :

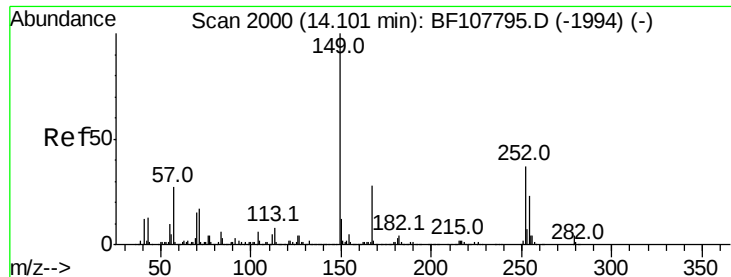
Tot Ion:252 Resp: 828
 Ion Ratio Lower Upper
 252 100
 254 99.5 50.4 75.6#
 126 60.8 11.3 16.9#



#82
 Chrysene
 Concen: 2963.487 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion:228 Resp: 74599
 Ion Ratio Lower Upper
 228 100
 226 28.7 25.0 37.6
 229 21.4 16.2 24.4

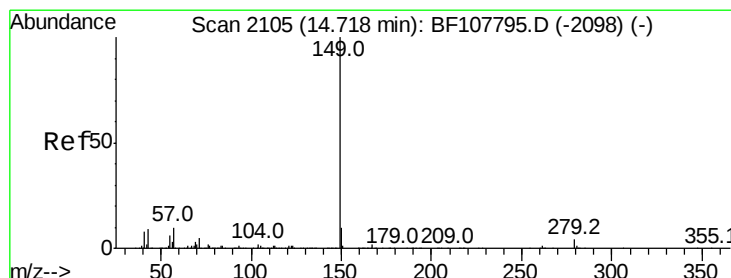
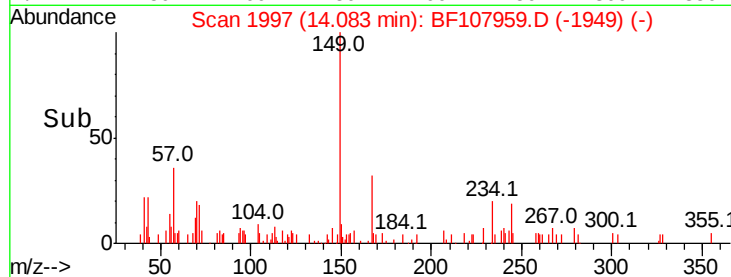
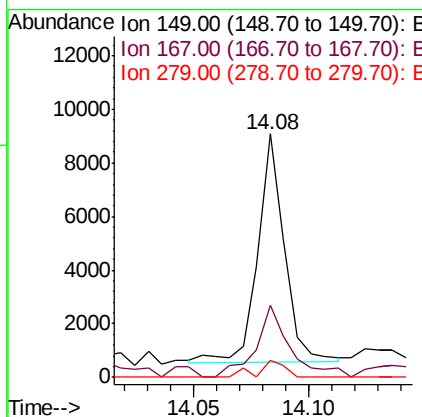
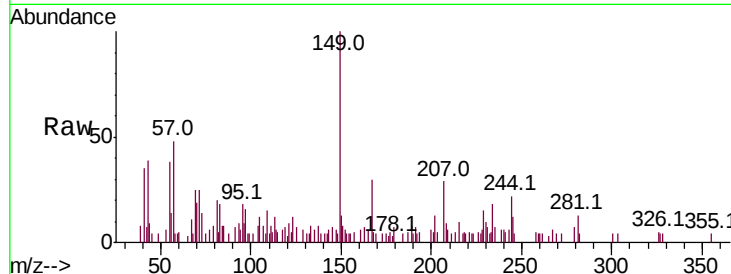




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 419.411 ng
 RT: 14.08 min Scan# 1997
 Delta R.T. -0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

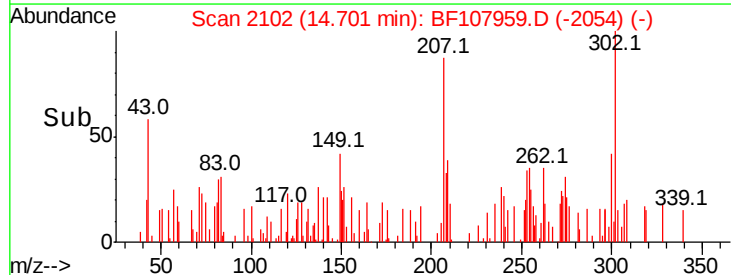
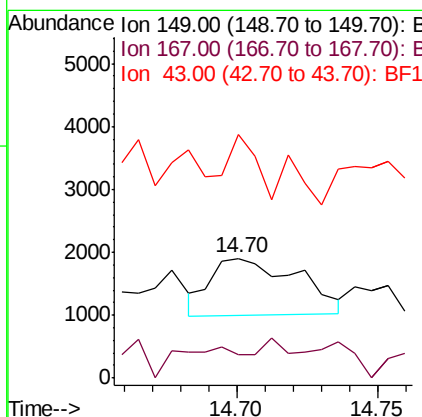
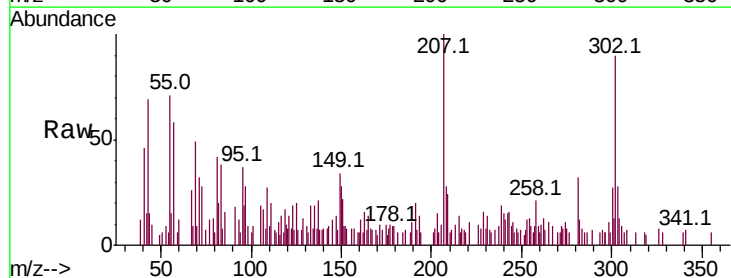
Instrument :
 BNA_F
 ClientSampleId :

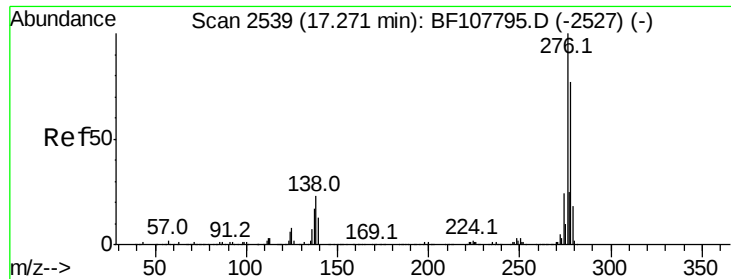
Tot Ion:149 Resp: 6850
 Ion Ratio Lower Upper
 149 100
 167 29.7 21.3 31.9
 279 6.8 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 75.223 ng
 RT: 14.70 min Scan# 2102
 Delta R.T. -0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion:149 Resp: 1972
 Ion Ratio Lower Upper
 149 100
 167 38.0 1.2 1.8#
 43 38.5 8.4 12.6#

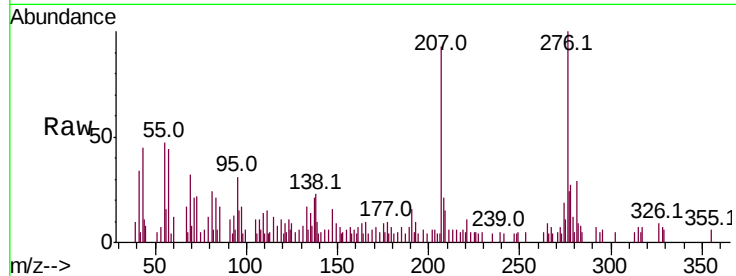




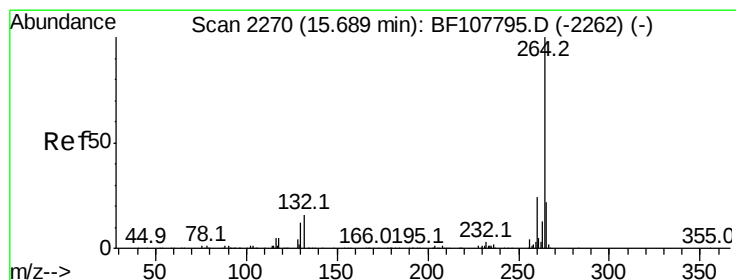
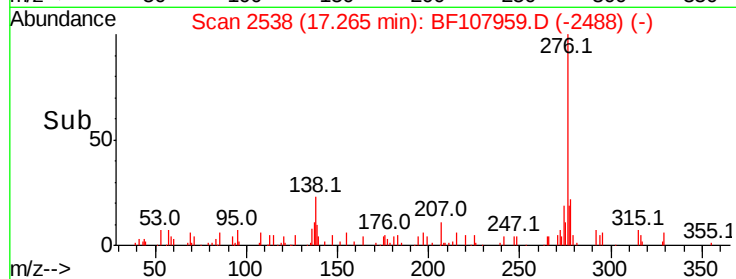
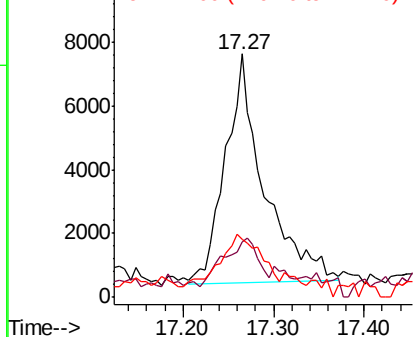
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 1110.509 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	23.6	20.1	30.1

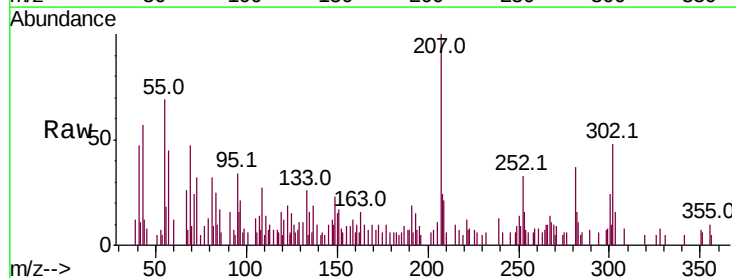


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

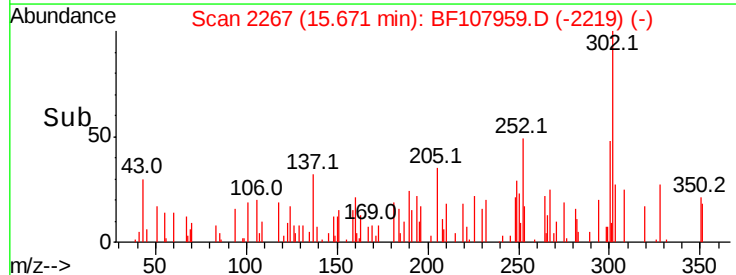
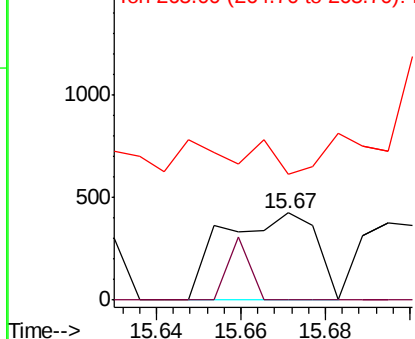


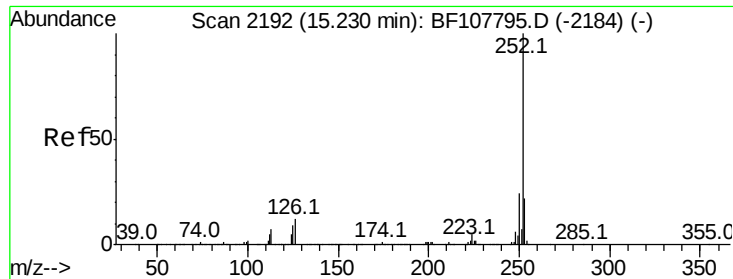
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	0.0	19.2	28.8#
265	144.8	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: 3165.669 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

Instrument :

BNA_F

ClientSampleId :

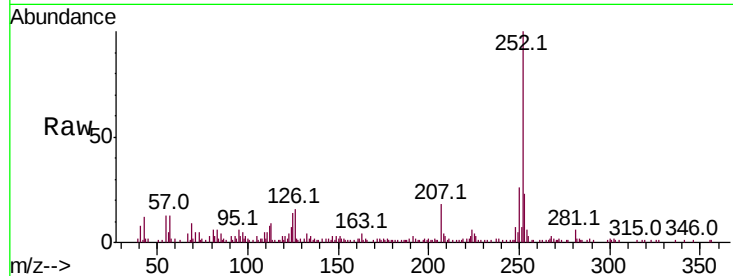
Tot Ion:252 Resp: 100548

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

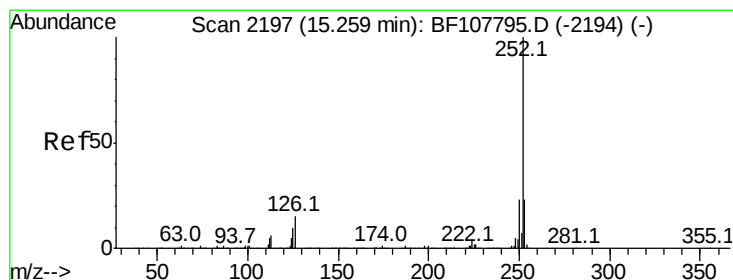
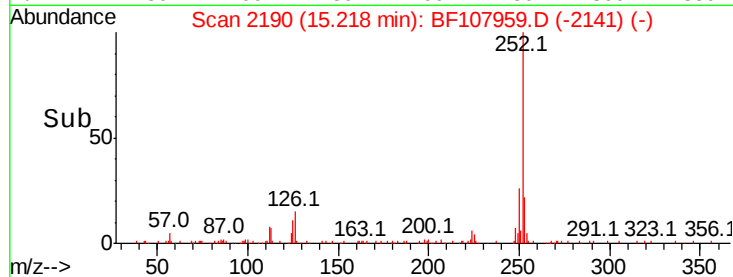
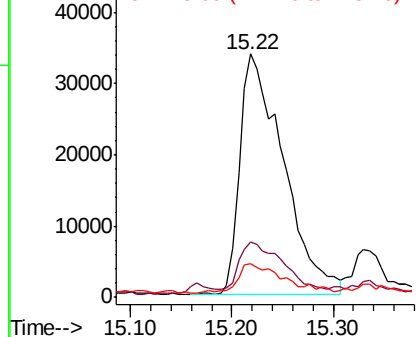
125 14.0 9.0 13.6#



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: 2578.436 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

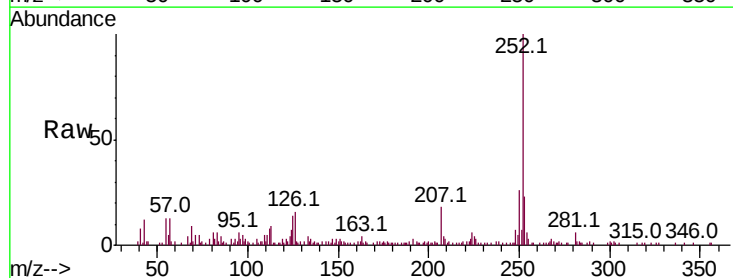
Tgt Ion:252 Resp: 100548

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

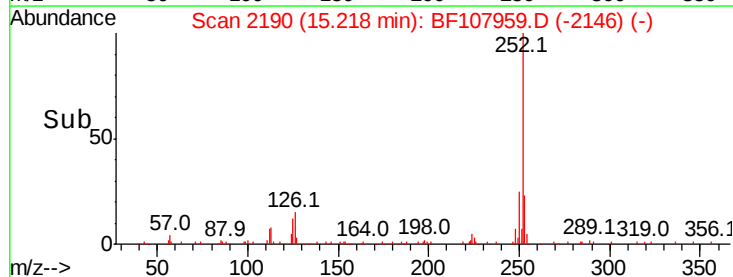
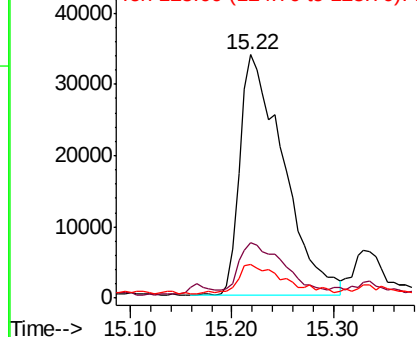
125 14.0 10.2 15.2

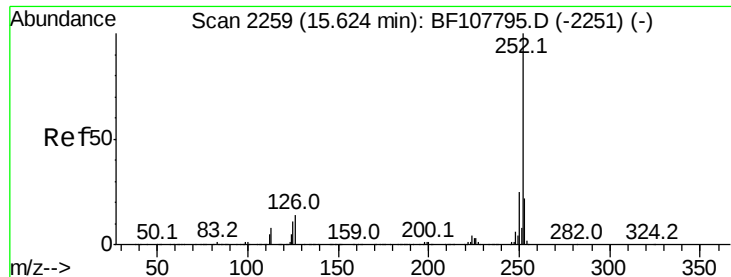


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 1448.757 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

Instrument :

BNA_F

ClientSampleId :

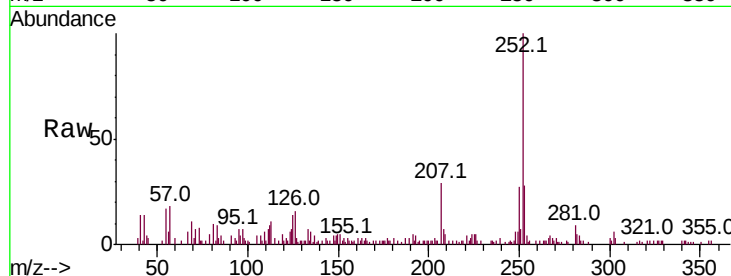
Tot Ion:252 Resp: 47504

Ion Ratio Lower Upper

252 100

253 27.8 17.1 25.7#

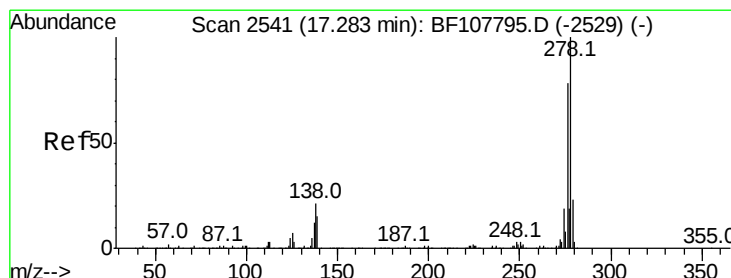
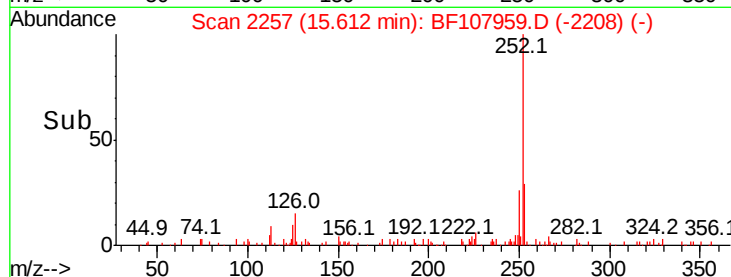
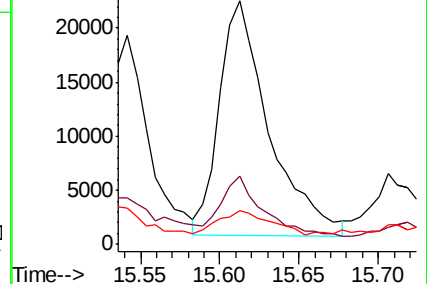
125 13.7 9.8 14.6



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: 151.354 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF107959.D

Acq: 4 Aug 2018 00:58

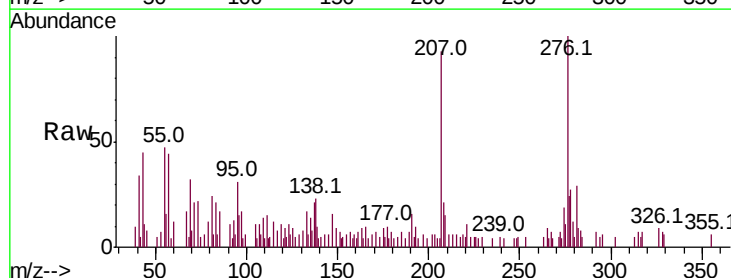
Tgt Ion:278 Resp: 4329

Ion Ratio Lower Upper

278 100

139 51.2 15.9 23.9#

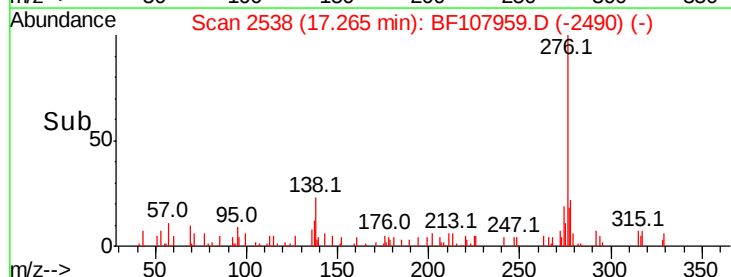
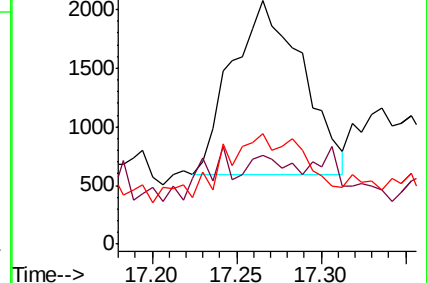
279 45.3 19.0 28.4#

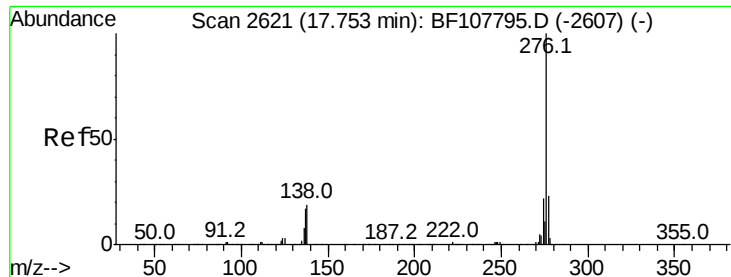


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 705.437 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BF107959.D
 Acq: 4 Aug 2018 00:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.1	17.9	26.9	
138	26.6	21.8	32.8	

