

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
 Data File : BF107889.D
 Acq On : 1 Aug 2018 15:20
 Operator : JU/SJ
 Sample : J4164-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Quant Time: Aug 01 16:12:07 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	6.97	152	135641	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	516952	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	229531	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	441824	20.00	ng	0.00
75) Chrysene-d12	14.15	240	406840	20.00	ng	0.00
86) Perylene-d12	15.69	264	447481	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	778597	97.56	ng	0.00
7) Phenol-d6	6.60	99	970900	92.30	ng	0.00
23) Nitrobenzene-d5	7.52	82	643744	71.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	275081	88.20	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1136831	69.02	ng	0.00
78) Terphenyl-d14	13.08	244	1050578	56.00	ng	0.00

Target Compounds

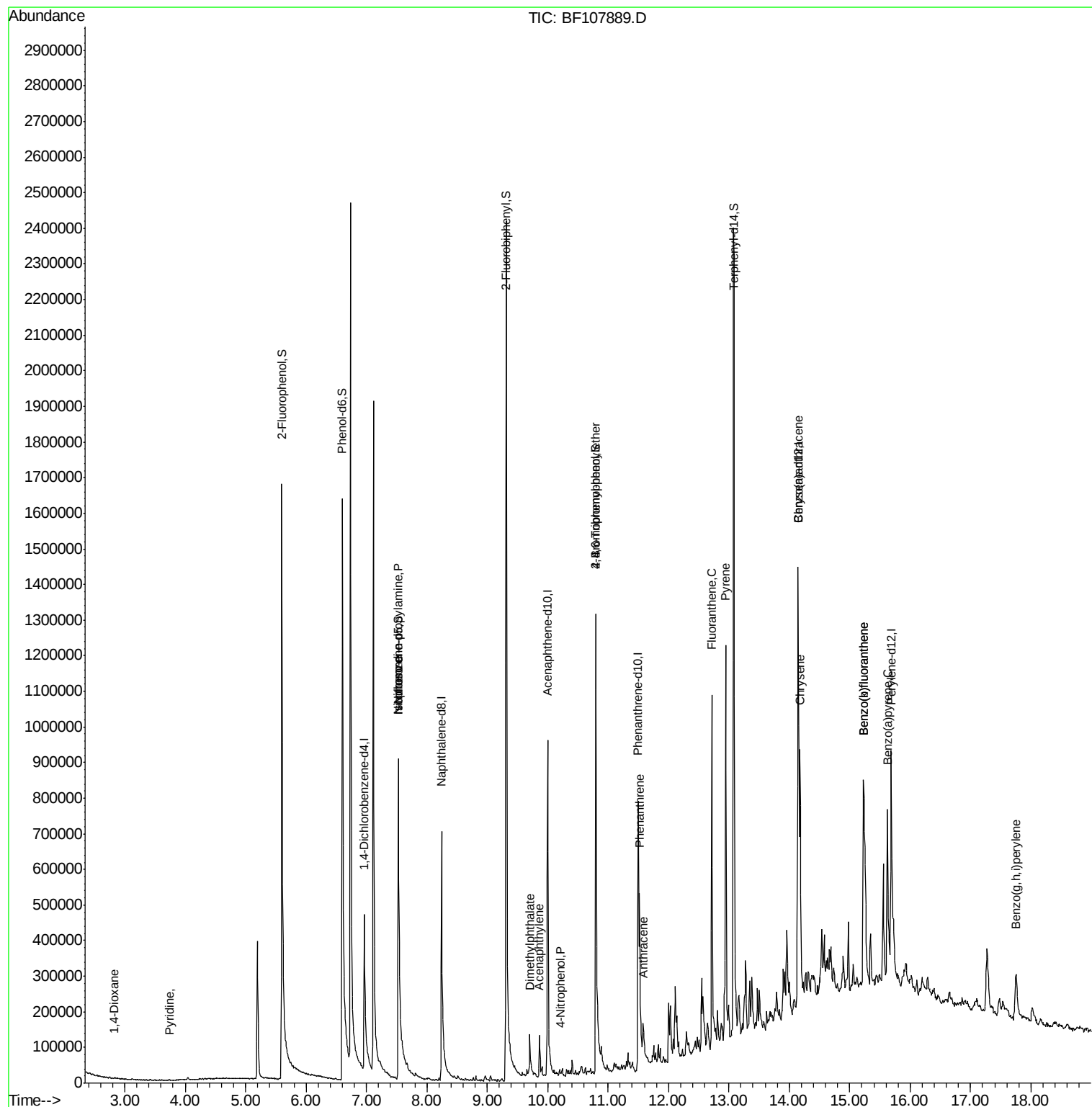
						Qvalue
2) 1,4-Dioxane	2.81	88	110	5.819	ng	# 1
3) Pyridine	3.75	79	296	6.282	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	77896	11.674	ng	# 80
25) Isophorone	7.52	82	643744	43.704	ng	# 64
48) Acenaphthylene	9.87	152	71741	2.938	ng	98
49) Dimethylphthalate	9.71	163	71394	4.142	ng	99
55) 4-Nitrophenol	10.22	139	3260	10.609	ng	# 52
66) 4-Bromophenyl-phenylether	10.80	248	15307	2.972	ng	# 1
70) Phenanthrene	11.52	178	222811	10.621	ng	99
71) Anthracene	11.58	178	109237	4.514	ng	97
74) Fluoranthene	12.72	202	560298	22.734	ng	96
77) Pyrene	12.95	202	571797	19.518	ng	97
80) Benzo(a)anthracene	14.14	228	396197	17.192	ng	93
82) Chrysene	14.18	228	317679	12.780	ng	98
87) Benzo(b)fluoranthene	15.23	252	572721	25.951	ng	97
88) Benzo(k)fluoranthene	15.23	252	572721	21.137	ng	98
89) Benzo(a)pyrene	15.62	252	333763	14.649	ng	98
91) Benzo(g,h,i)perylene	17.75	276	153992	8.008	ng	94

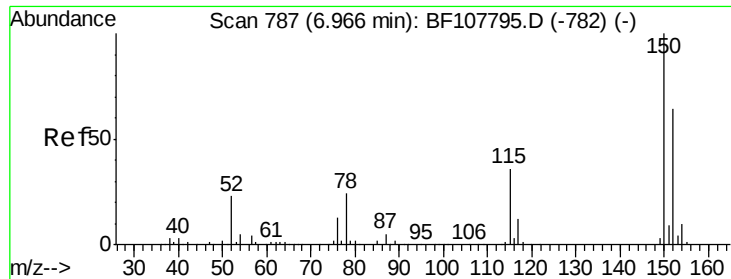
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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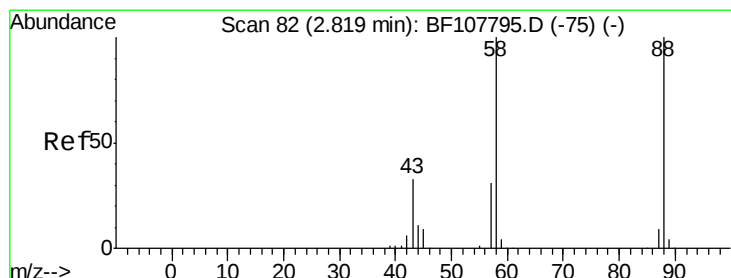
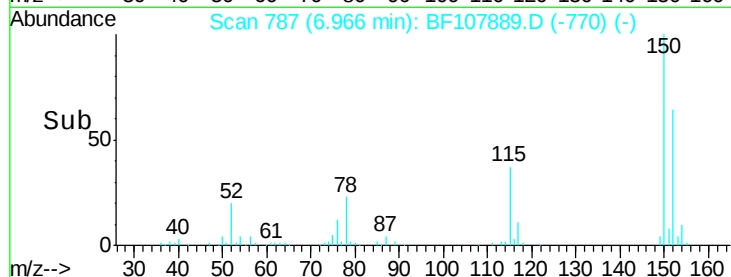
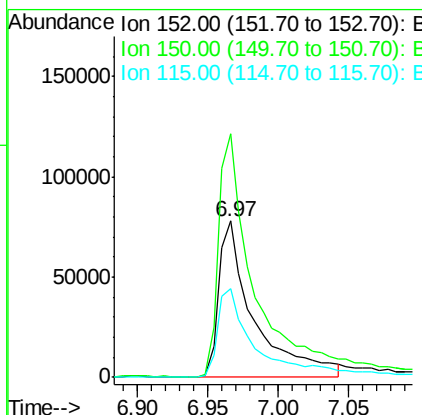
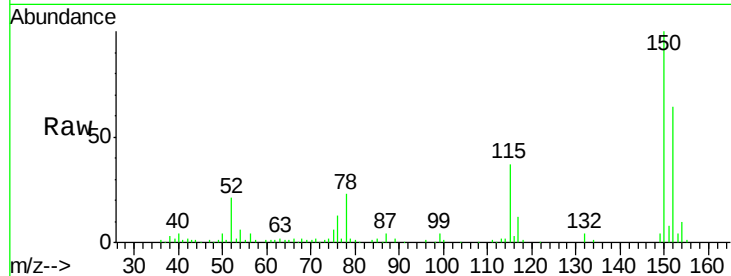




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

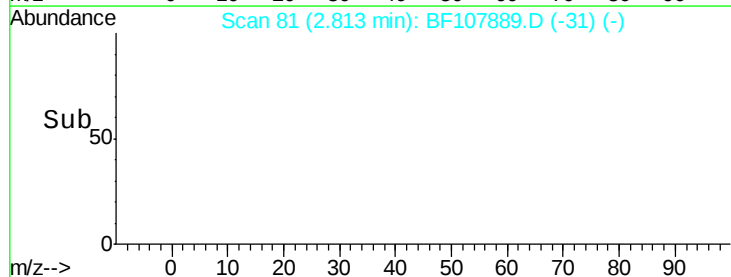
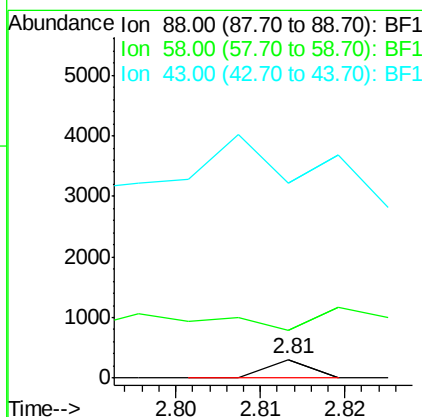
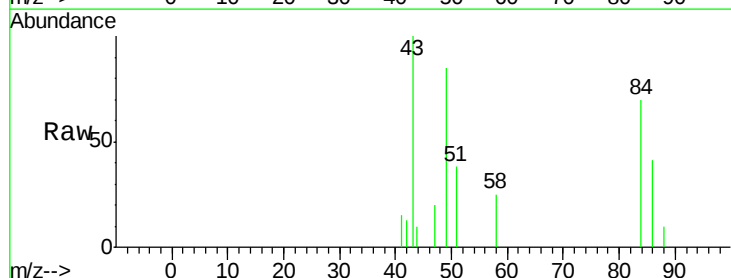
Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

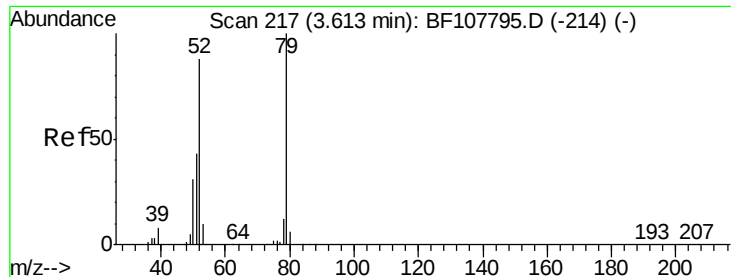
Tgt Ion:152 Resp: 135641
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 57.0 50.1 75.1



#2
 1,4-Dioxane
 Concen: 5.819 ng
 RT: 2.81 min Scan# 81
 Delta R.T. -0.01 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 58 257.3 62.6 93.8#
 43 1062.7 24.6 37.0#





#3

Pyridine

Concen: 6.282 ng

RT: 3.75 min Scan# 240

Delta R.T. 0.14 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

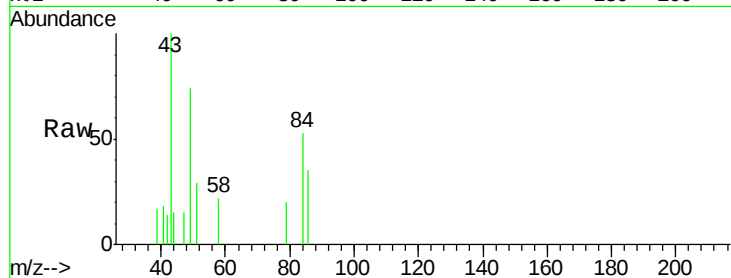
Tgt Ion: 79 Resp: 296

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

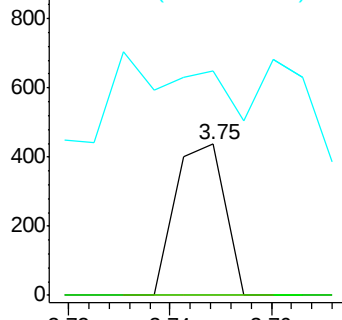
51 148.4 29.8 44.8#



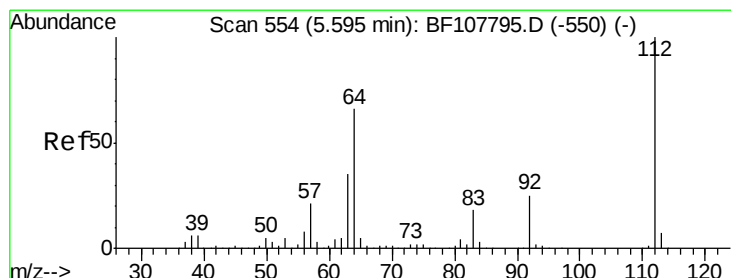
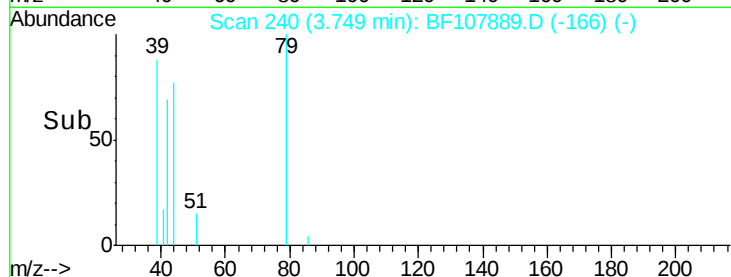
Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time-->



#5

2-Fluorophenol

Concen: 97.556 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

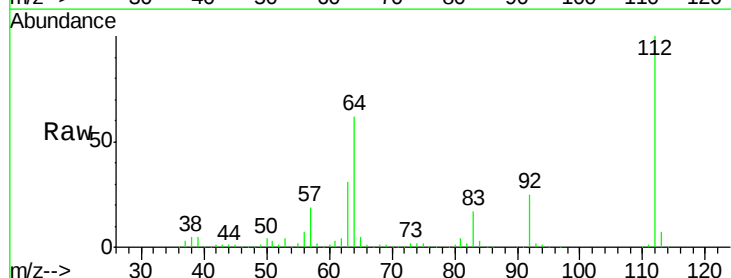
Tgt Ion: 112 Resp: 778597

Ion Ratio Lower Upper

112 100

64 61.6 47.9 71.9

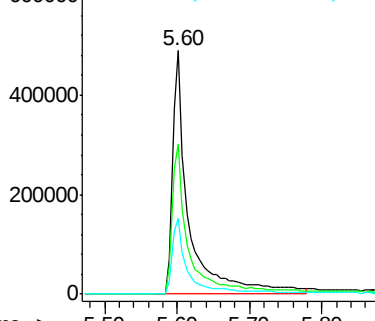
63 31.3 23.7 35.5



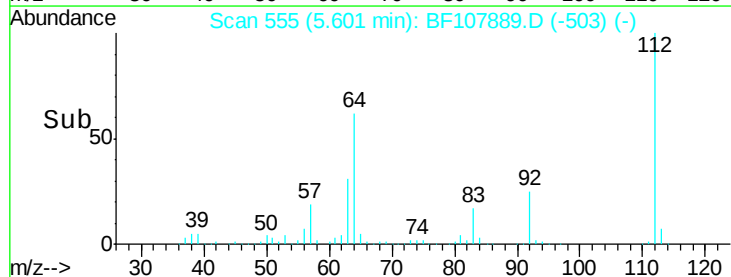
Abundance Ion 112.00 (111.70 to 112.70): E

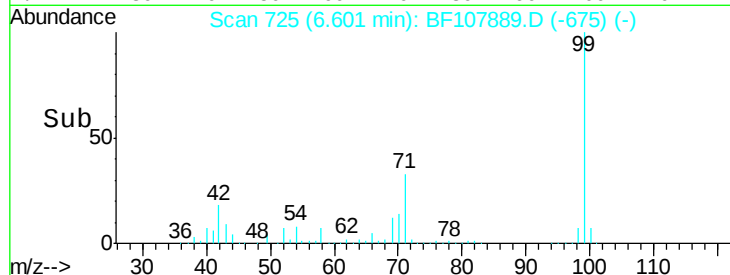
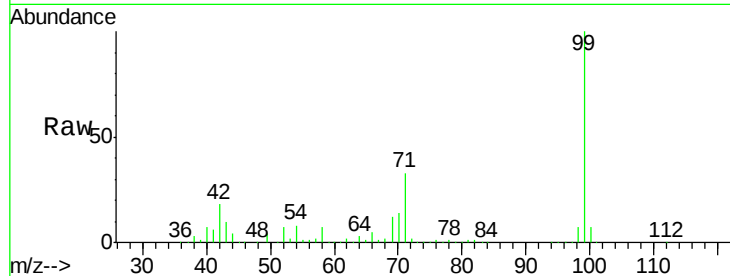
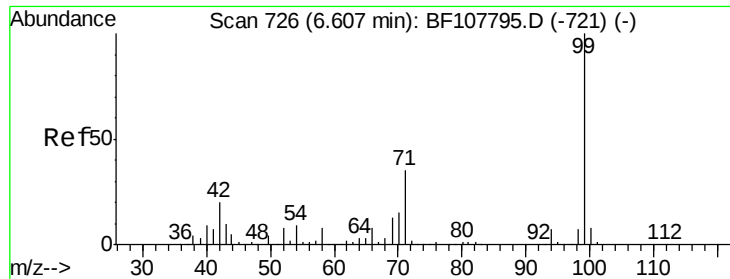
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 92.304 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

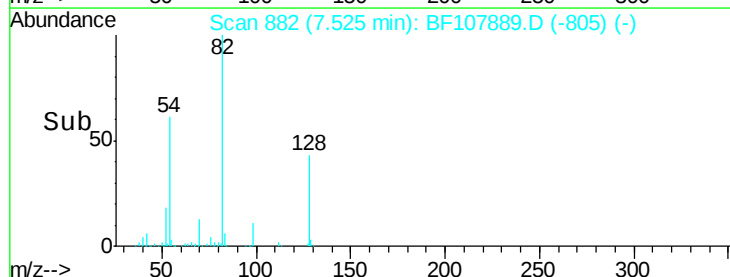
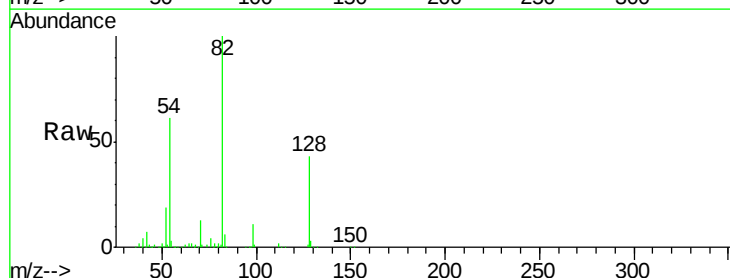
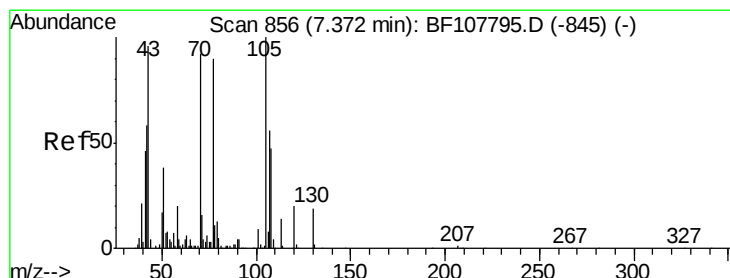
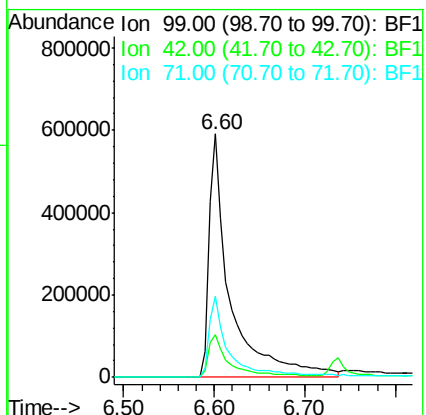
Tgt Ion: 99 Resp: 970900

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.674 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Tgt Ion: 70 Resp: 77896

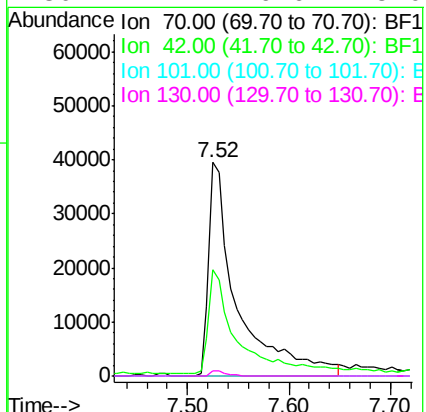
Ion Ratio Lower Upper

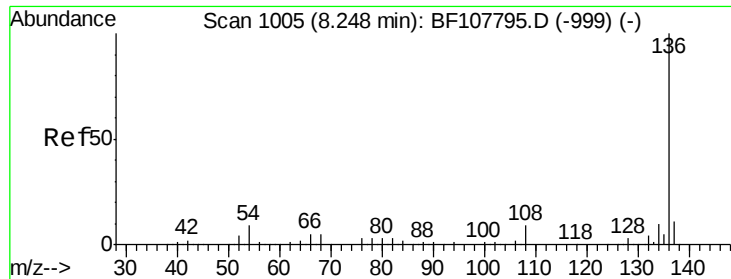
70 100

42 50.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

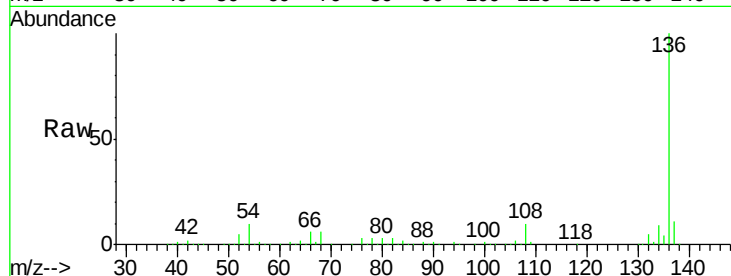




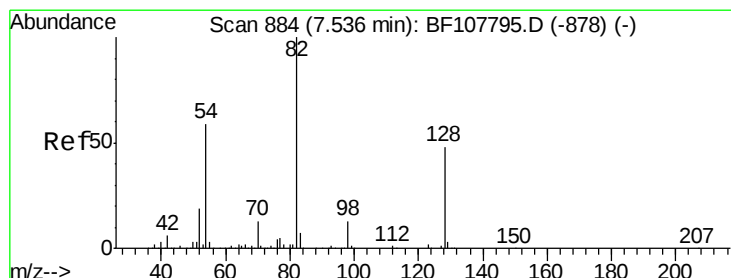
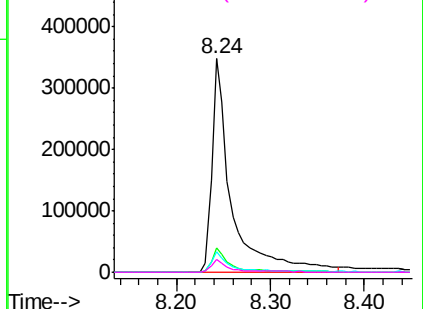
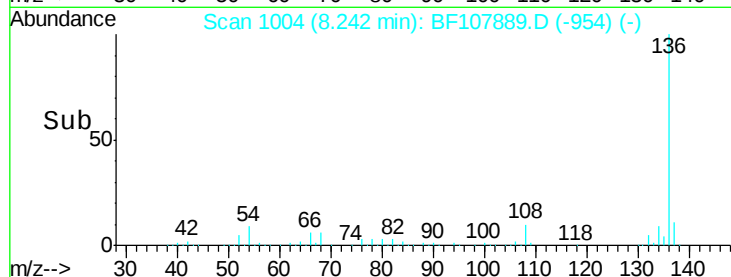
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tgt Ion:	136	Resp:	516952
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.6	6.6	9.8
68	6.2	5.0	7.4

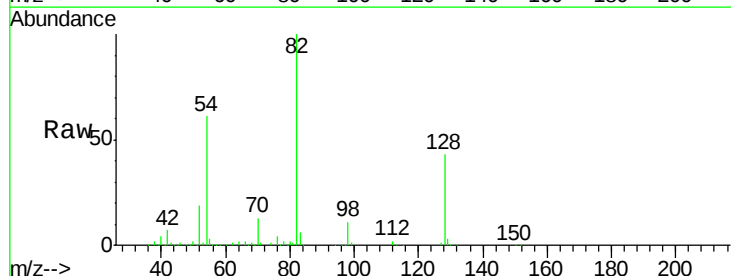


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

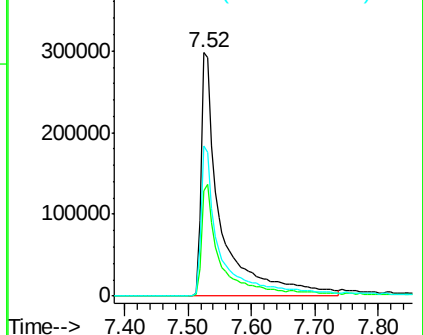
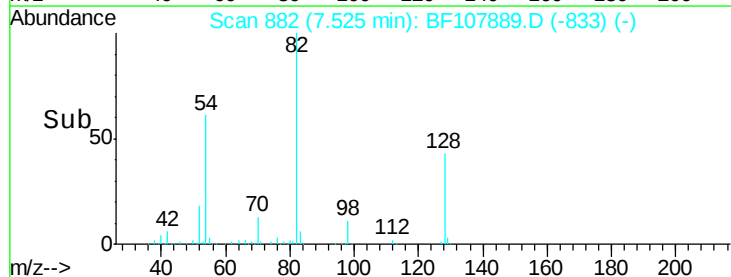


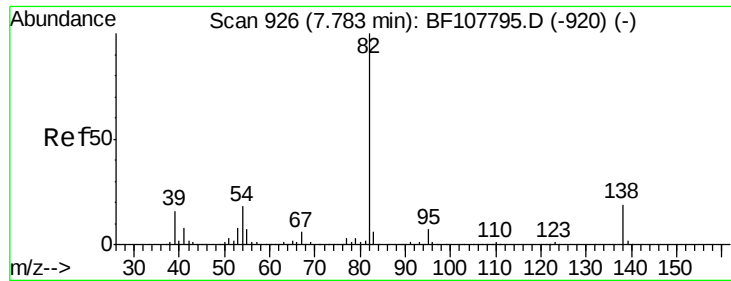
#23
Nitrobenzene-d5
Concen: 71.740 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:	82	Resp:	643744
Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	61.5	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

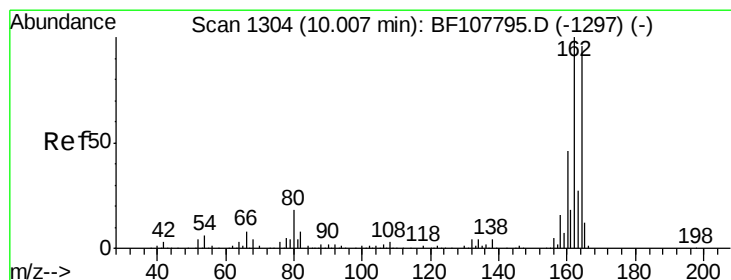
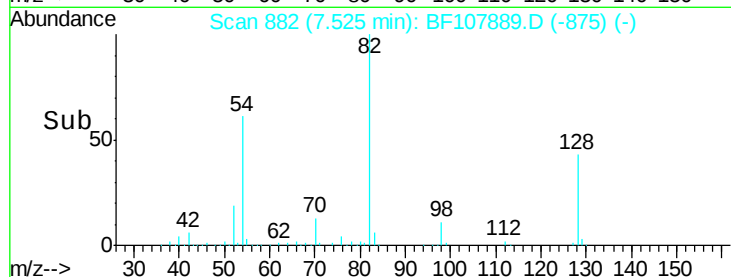
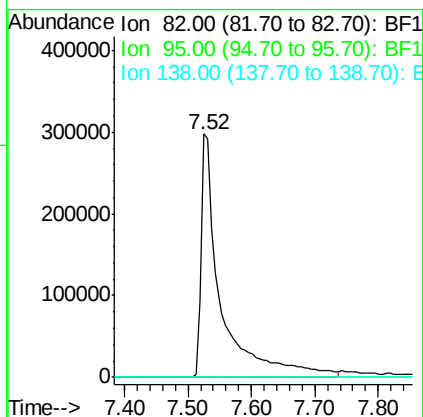
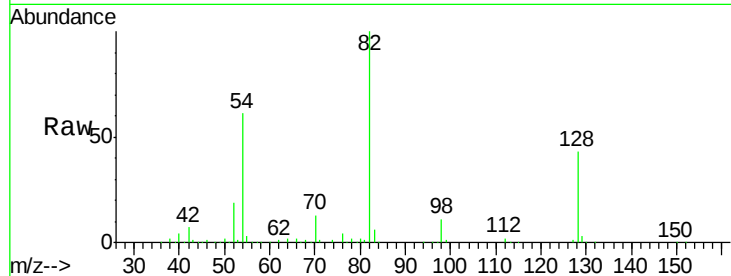




#25
Isophorone
Concen: 43.704 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

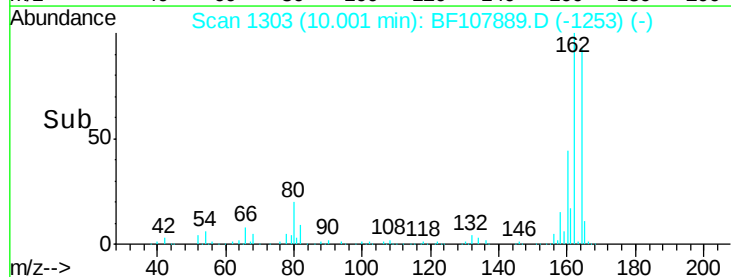
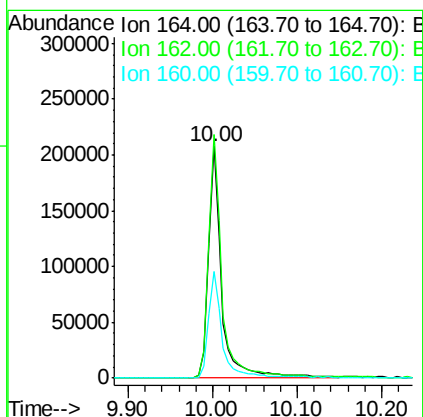
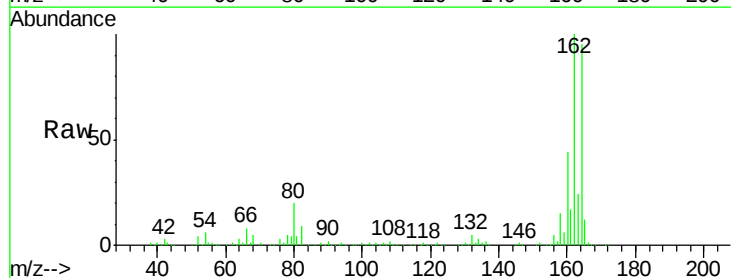
Instrument :
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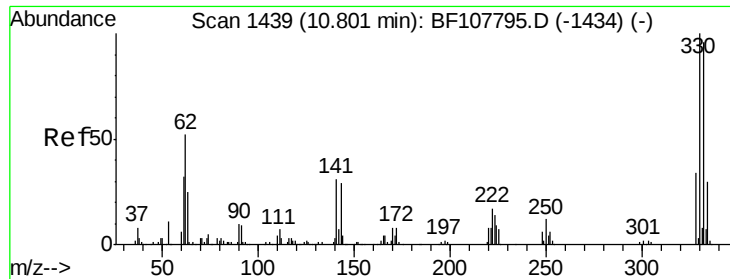
Tgt Ion: 82 Resp: 643744
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion: 164 Resp: 229531
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 46.3 38.3 57.5

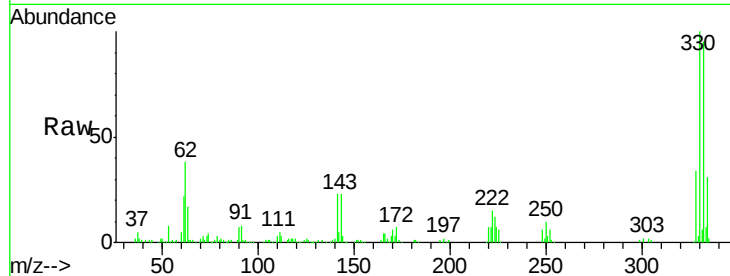




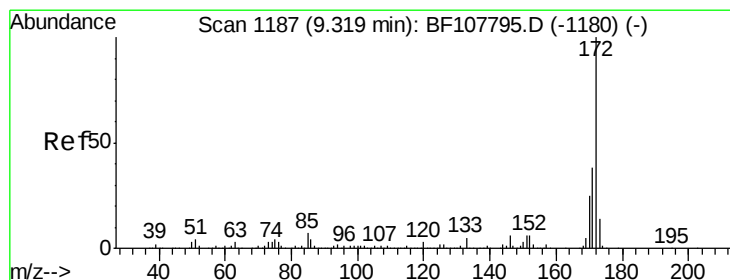
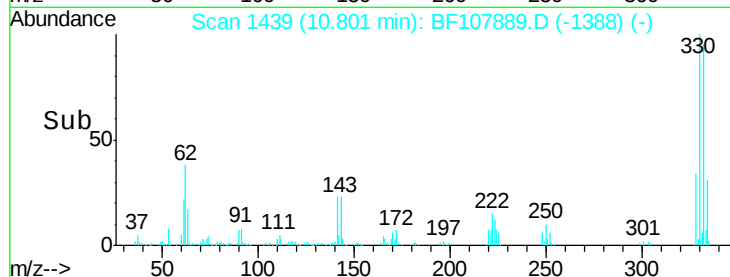
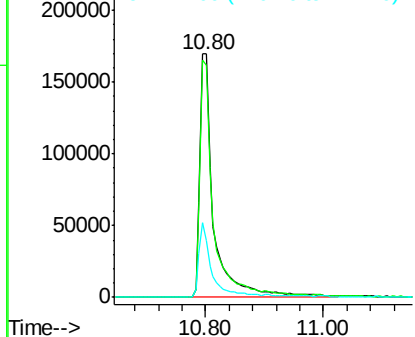
#41
 2,4,6-Tribromophenol
 Concen: 88.199 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Tgt Ion:330 Resp: 275081
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.0 115.6
 141 27.2 29.9 44.9#

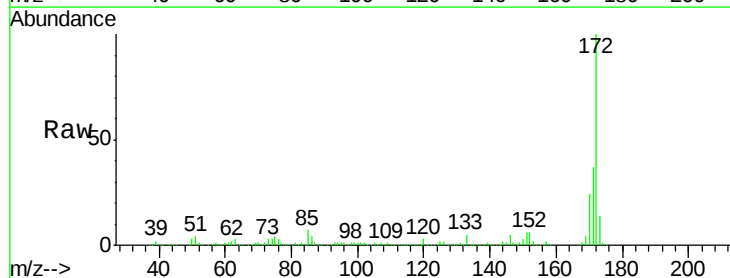


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

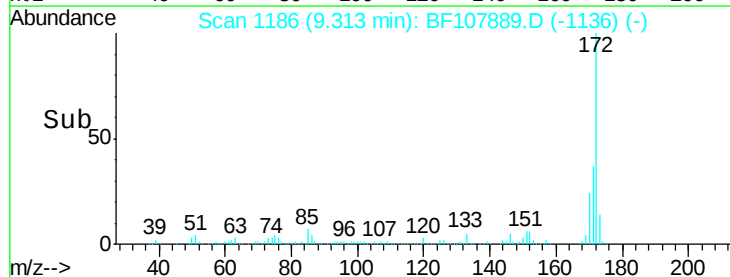
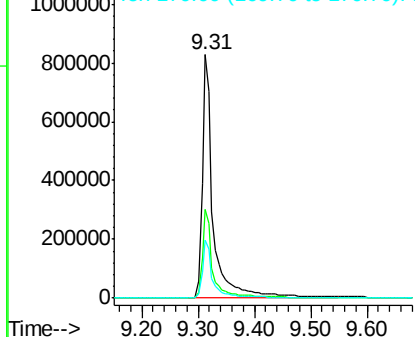


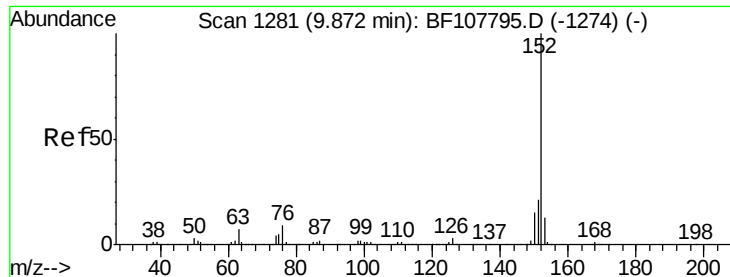
#44
 2-Fluorobiphenyl
 Concen: 69.017 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion:172 Resp: 1136831
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.0 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





#48

Acenaphthylene

Concen: 2.938 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

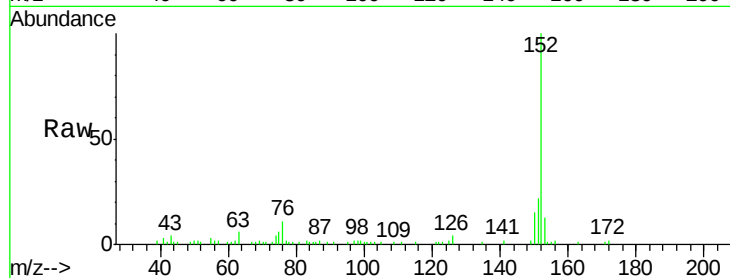
Tgt Ion:152 Resp: 71741

Ion Ratio Lower Upper

152 100

151 21.6 16.3 24.5

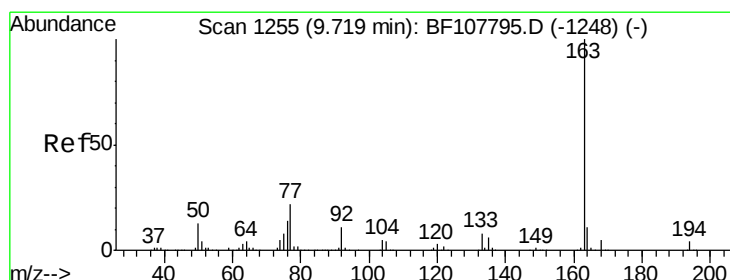
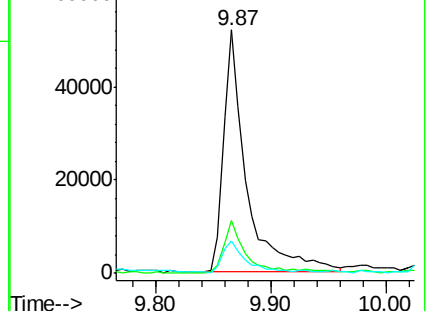
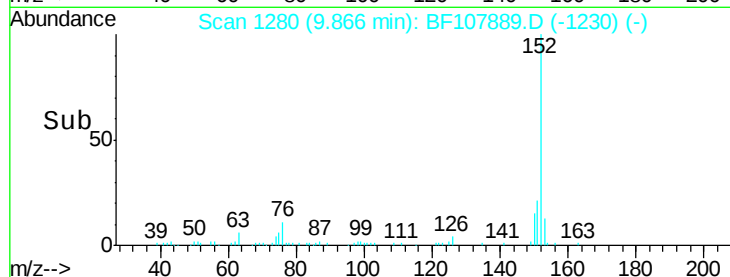
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.142 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

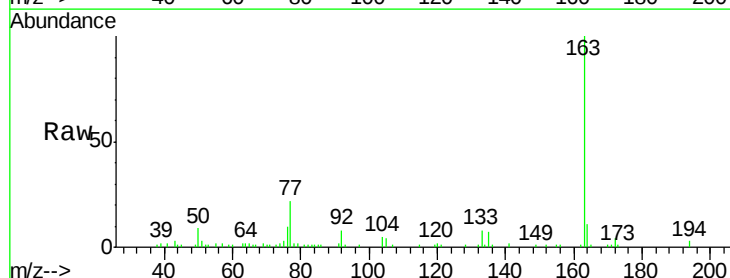
Tgt Ion:163 Resp: 71394

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

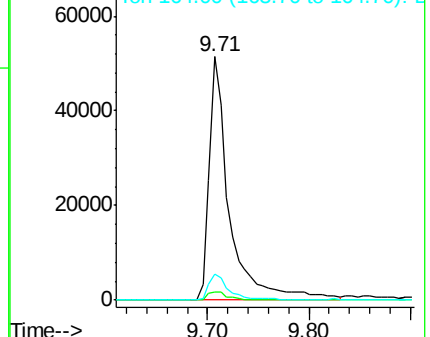
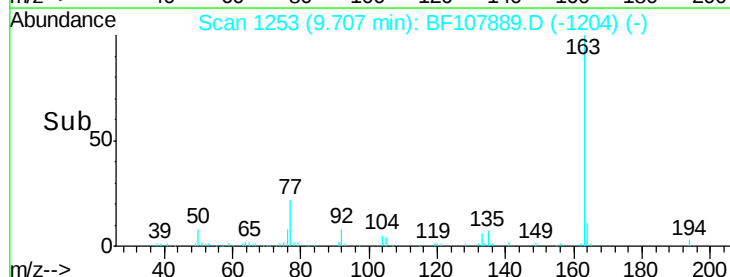
164 10.7 8.2 12.2

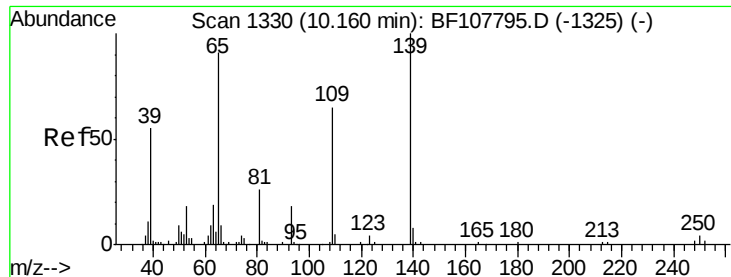


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

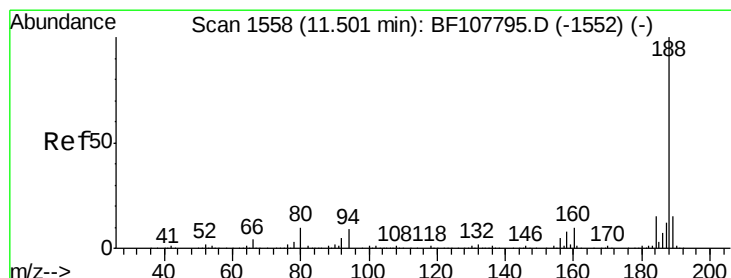
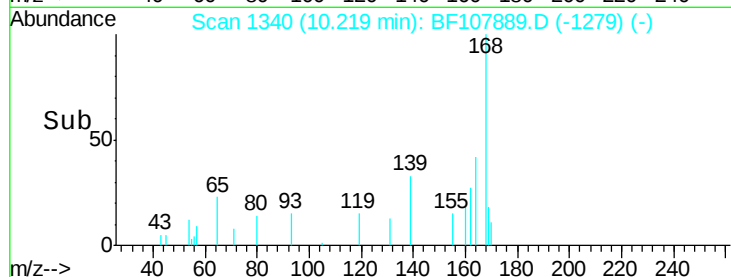
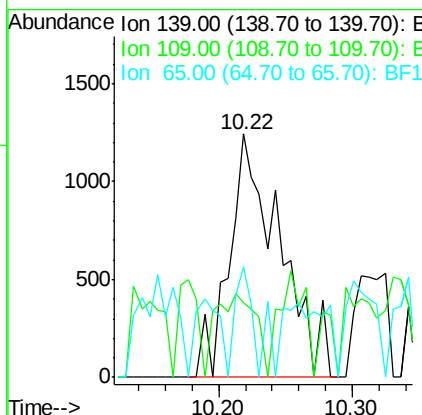
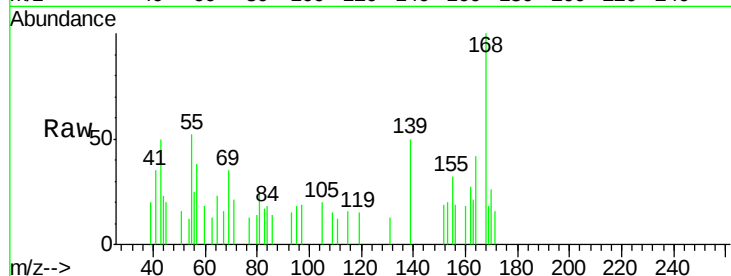




#55
4-Nitrophenol
Concen: 10.609 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

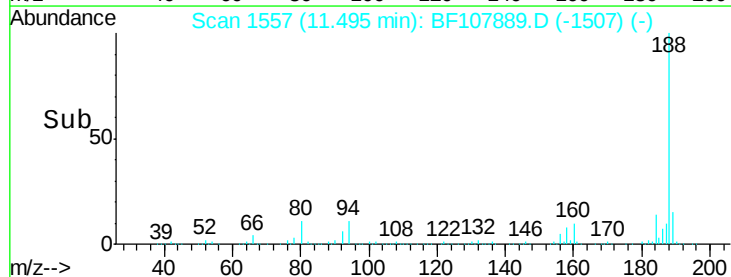
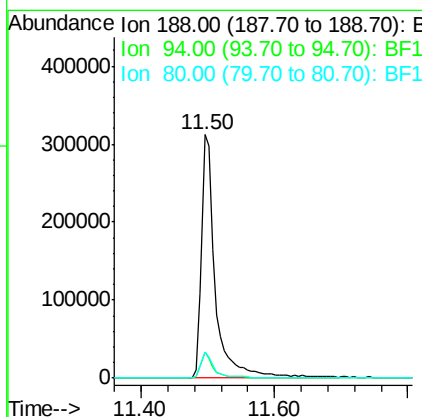
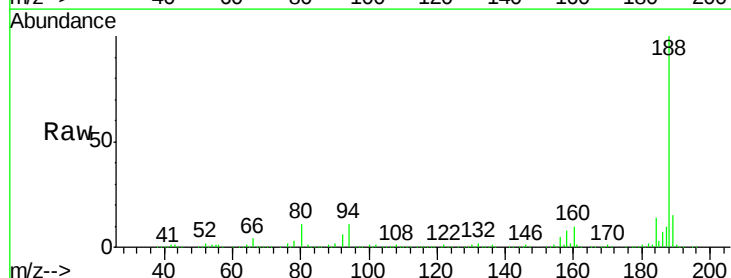
Instrument :
BNA_F
ClientSampleId :
DUP-072518

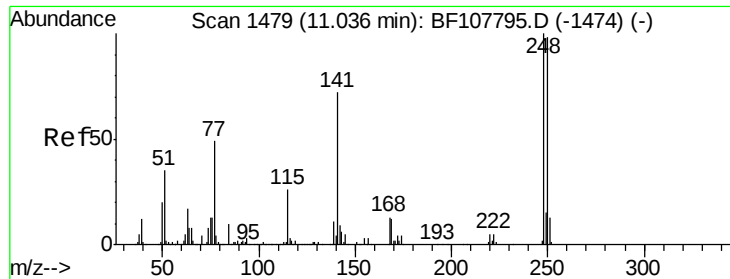
Tgt Ion:139 Resp: 3260
Ion Ratio Lower Upper
139 100
109 30.9 48.4 88.4#
65 45.5 72.6 112.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:188 Resp: 441824
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 10.9 9.2 13.8

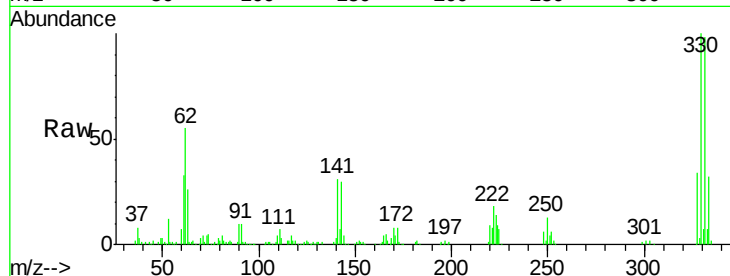




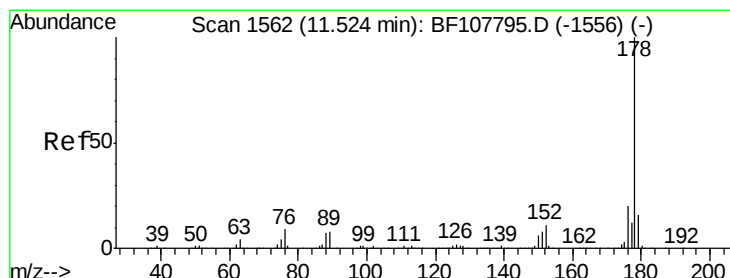
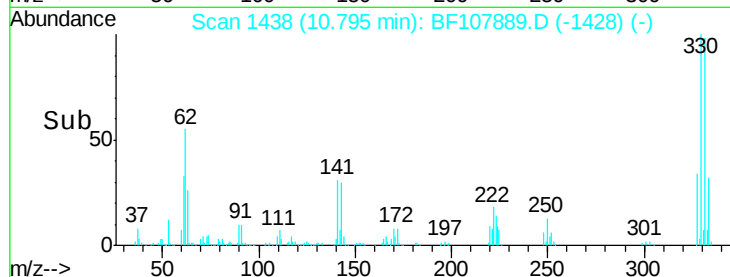
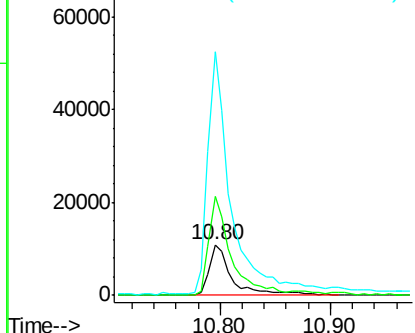
#66
4-Bromophenyl-phenylether
Concen: 2.972 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tgt Ion:248 Resp: 15307
Ion Ratio Lower Upper
248 100
250 196.8 76.9 115.3#
141 481.8 74.4 111.6#

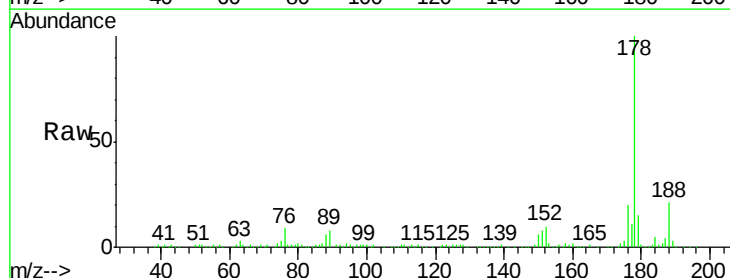


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

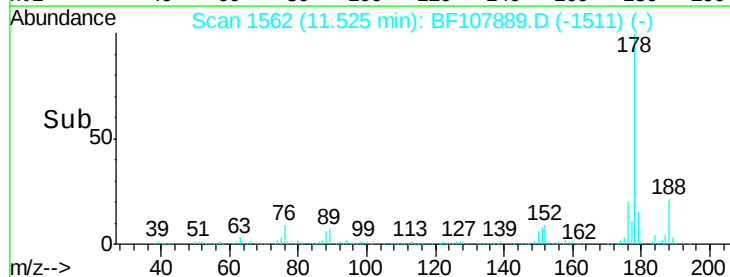
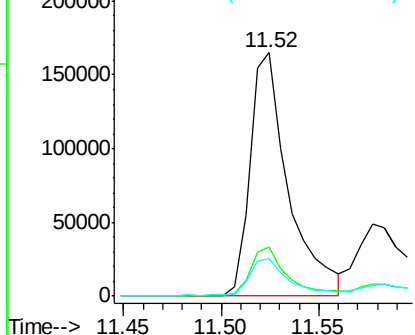


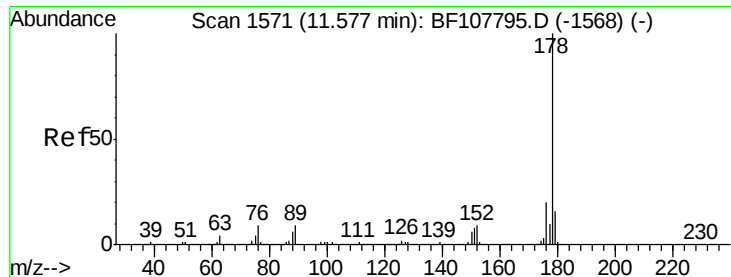
#70
Phenanthrene
Concen: 10.621 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:178 Resp: 222811
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.2 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

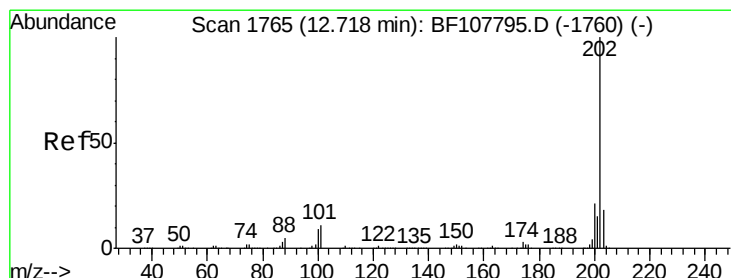
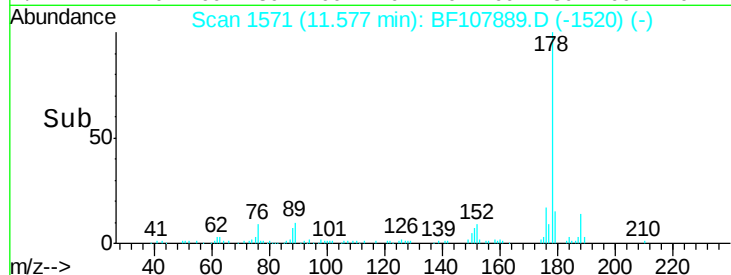
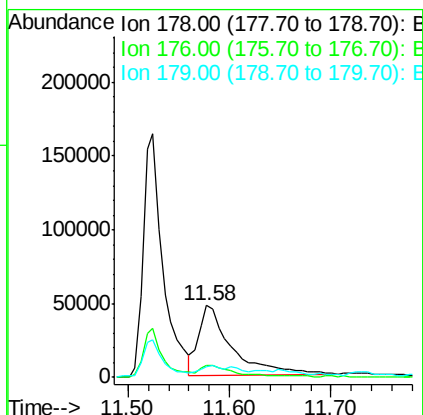
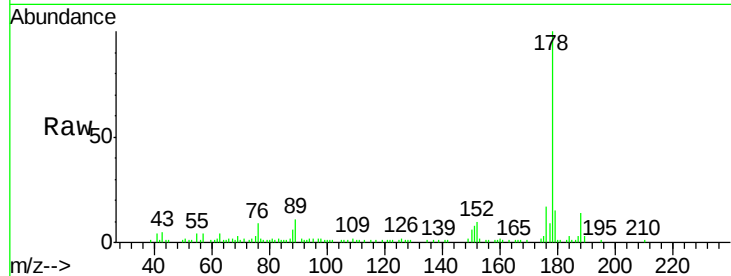




#71
 Anthracene
 Concen: 4.514 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

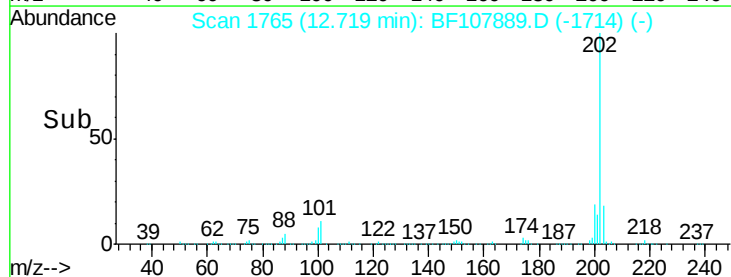
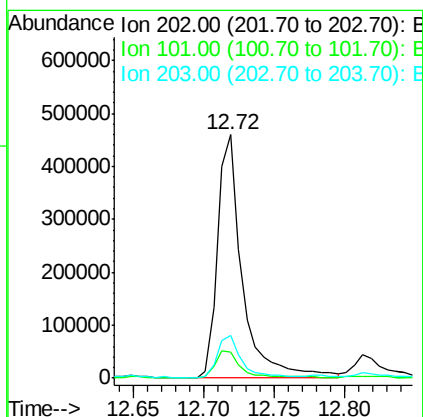
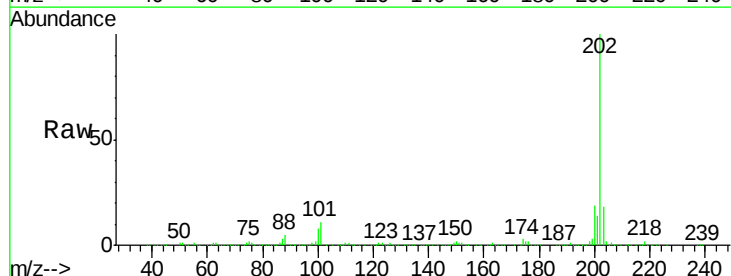
Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

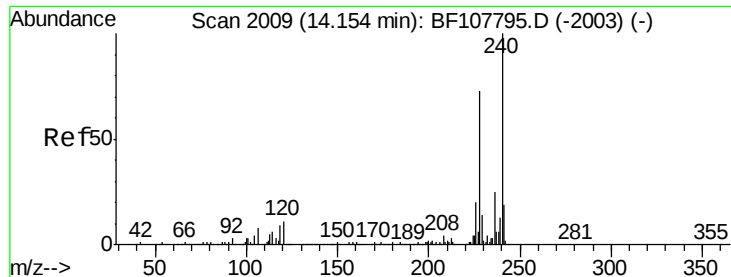
Tgt Ion:178 Resp: 109237
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.2
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 22.734 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion:202 Resp: 560298
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

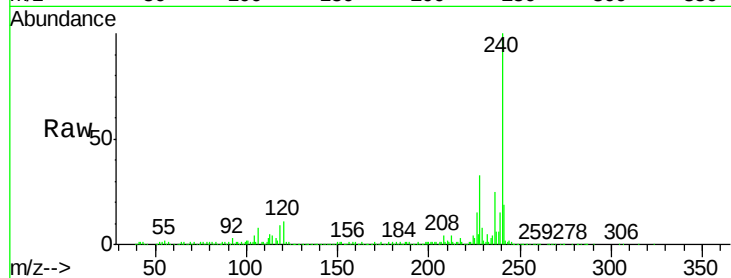
Tgt Ion:240 Resp: 406840

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

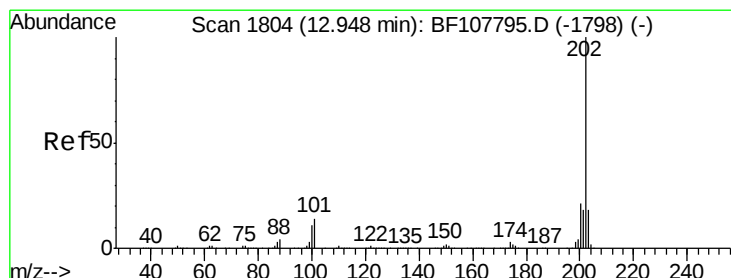
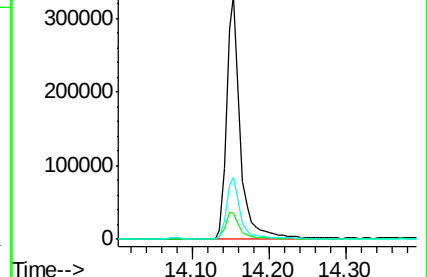
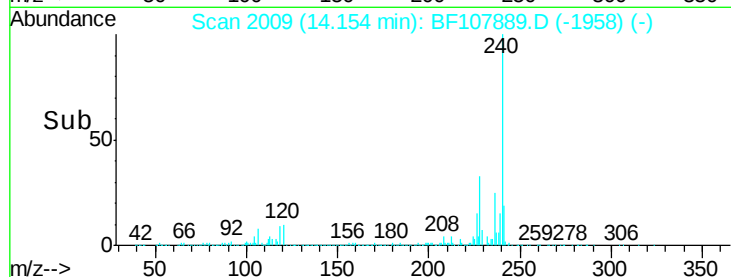
236 25.5 20.7 31.1



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: 19.518 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

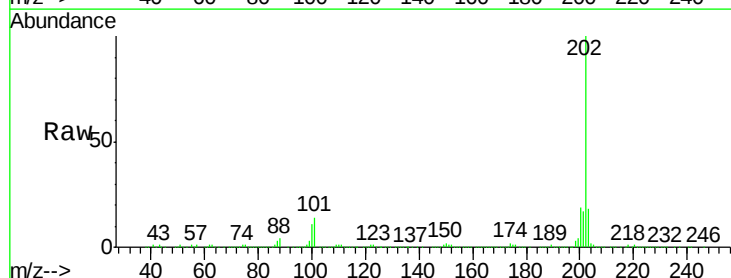
Tgt Ion:202 Resp: 571797

Ion Ratio Lower Upper

202 100

200 19.3 17.4 26.2

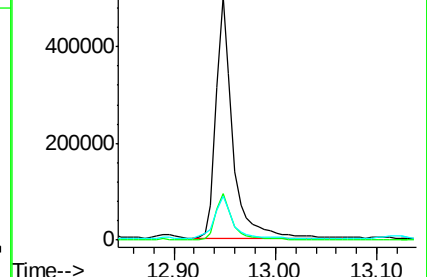
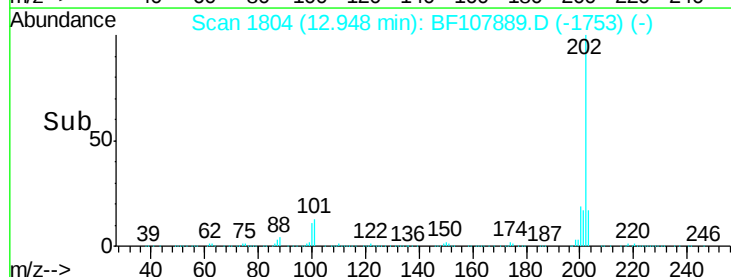
203 18.0 14.3 21.5

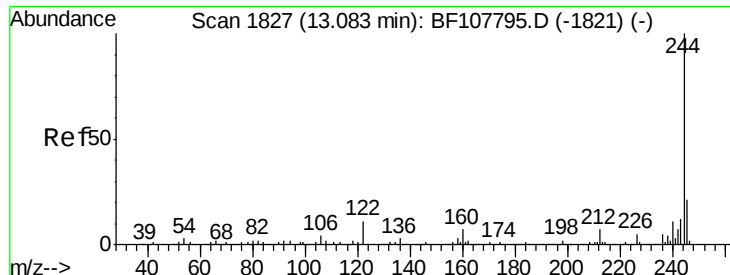


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.995 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

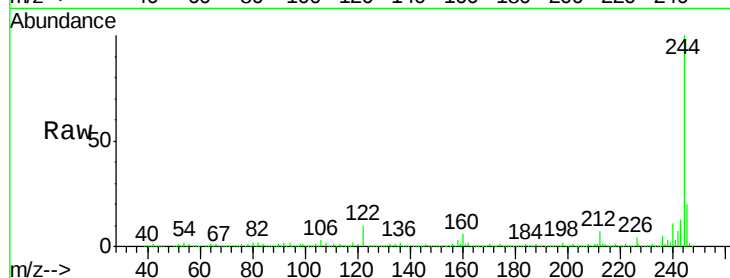
Tgt Ion:244 Resp: 1050578

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

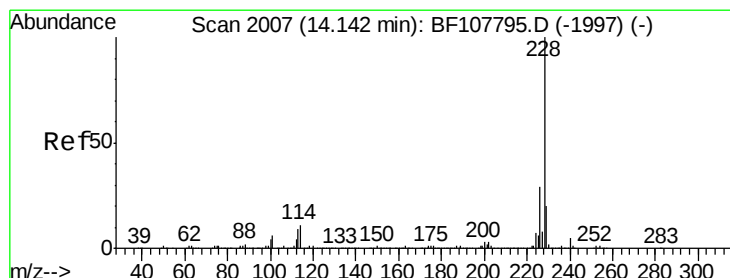
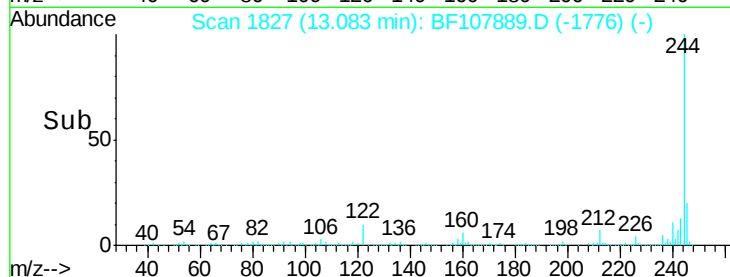
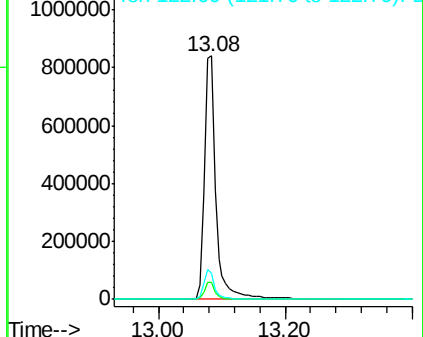
122 10.5 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 17.192 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

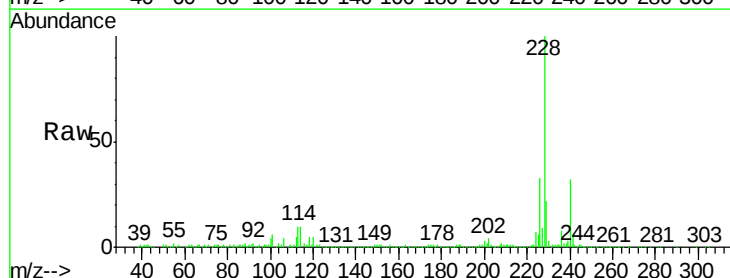
Tgt Ion:228 Resp: 396197

Ion Ratio Lower Upper

228 100

226 32.5 22.6 33.8

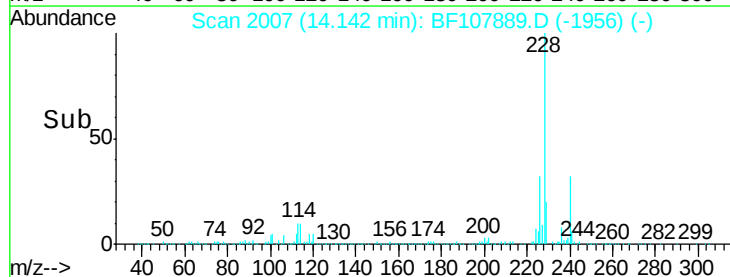
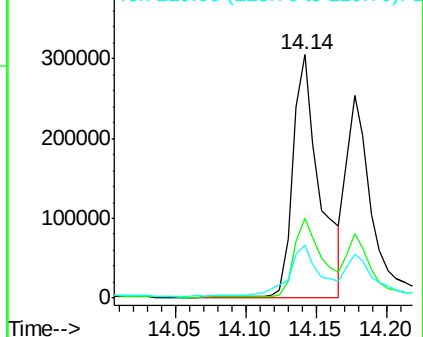
229 21.6 15.8 23.6

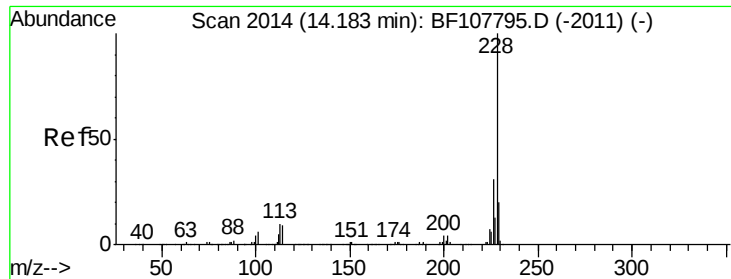


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.780 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

ClientSampleId :

DUP-072518

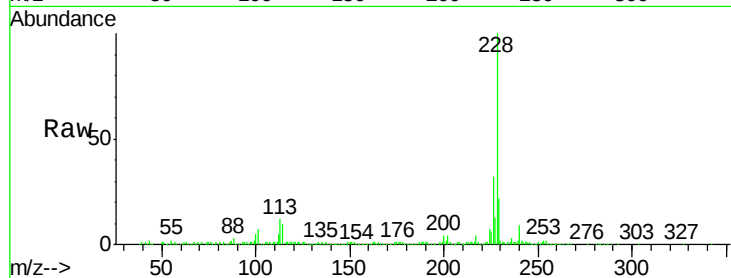
Tgt Ion:228 Resp: 317679

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

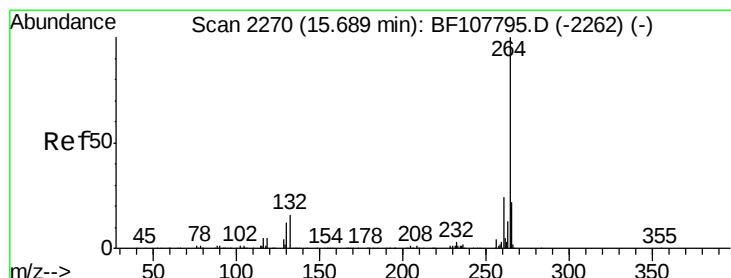
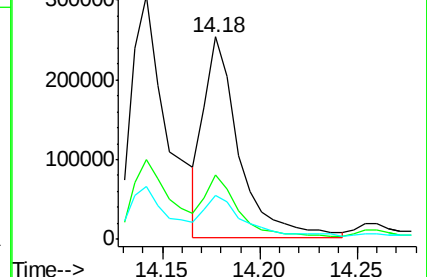
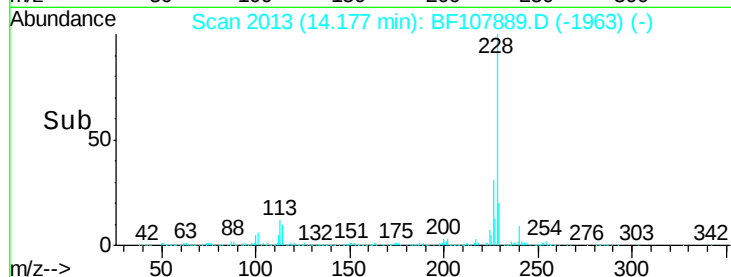
229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

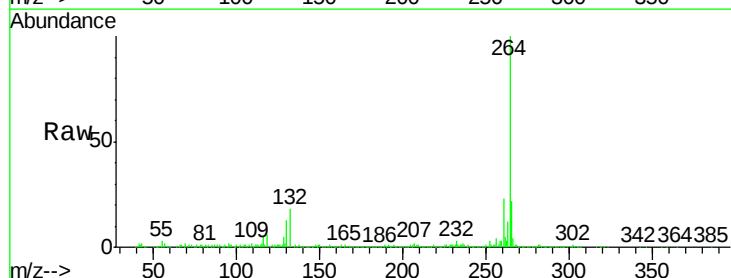
Tgt Ion:264 Resp: 447481

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

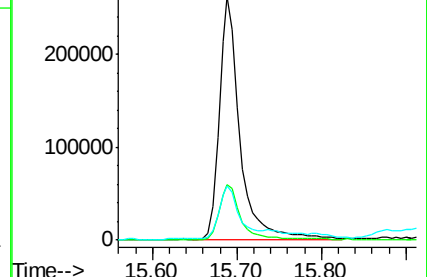
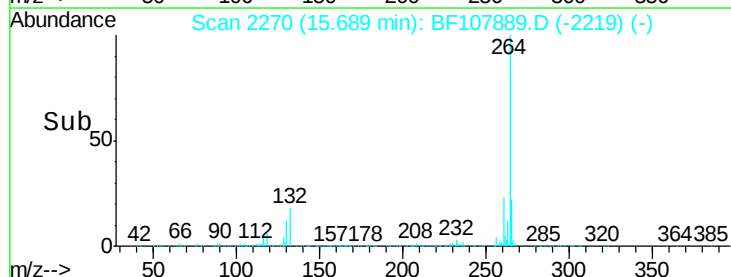
265 22.5 17.5 26.3

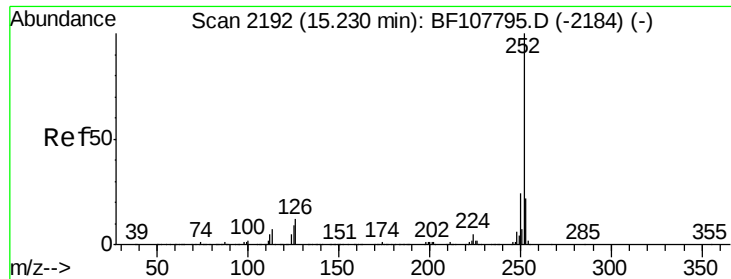


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

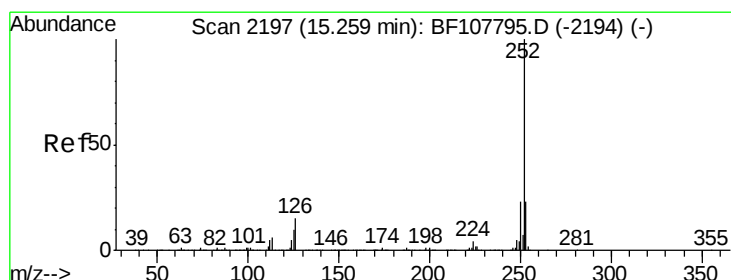
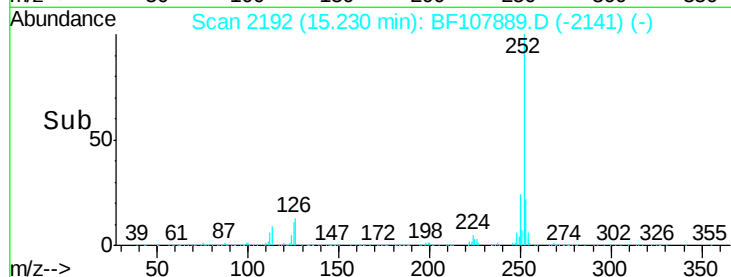
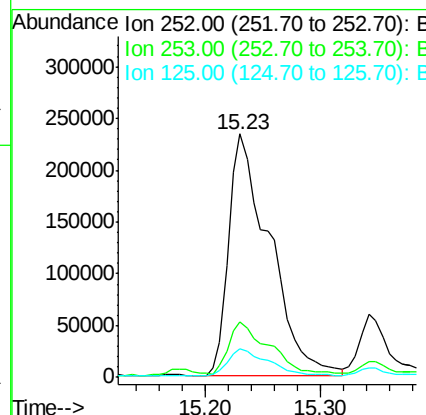
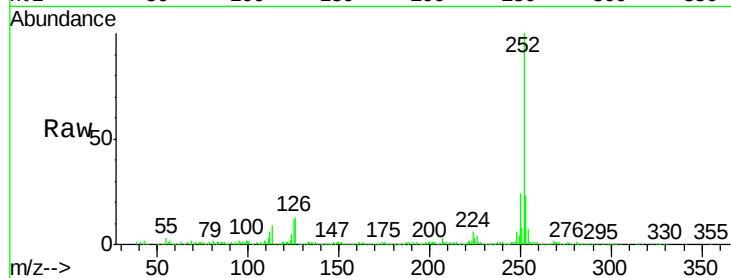




#87
Benzo(b)fluoranthene
Concen: 25.951 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

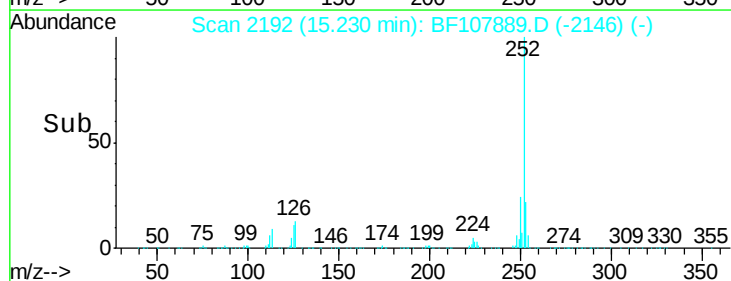
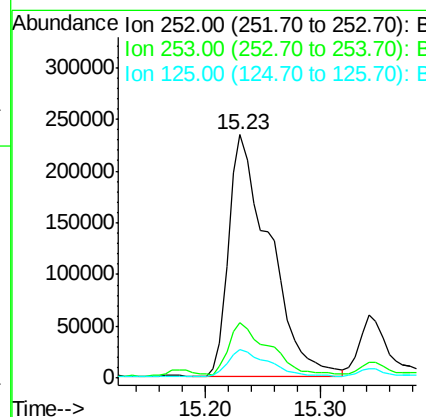
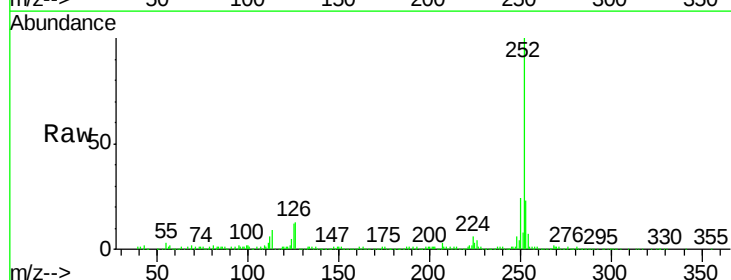
Instrument :
BNA_F
ClientSampleId :
DUP-072518

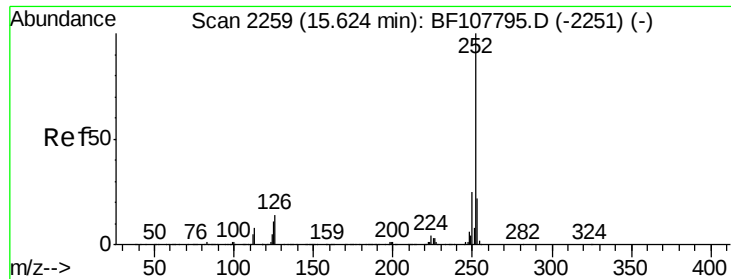
Tgt Ion:252 Resp: 572721
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.5 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 21.137 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:252 Resp: 572721
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.5 10.2 15.2

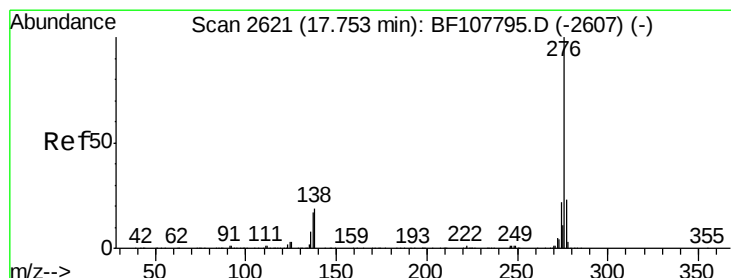
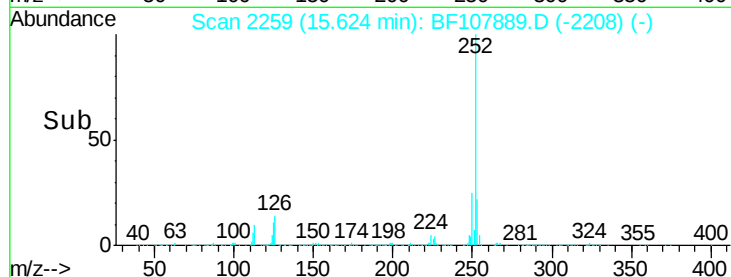
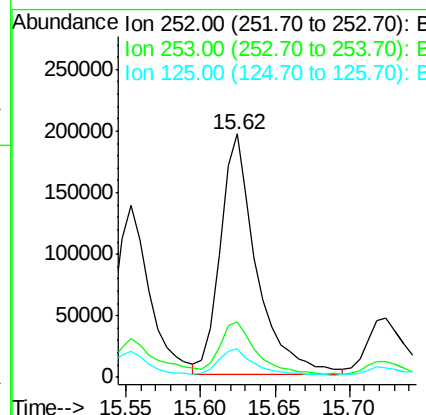
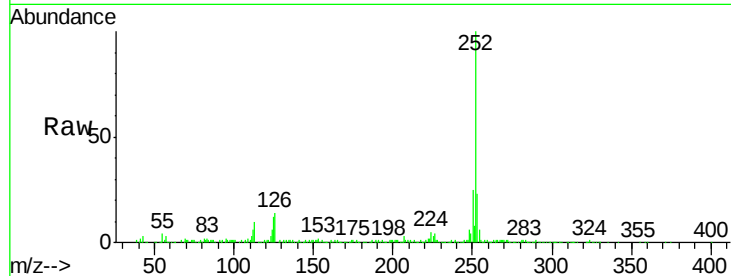




#89
Benzo(a)pyrene
Concen: 14.649 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tgt Ion:252 Resp: 333763
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 11.8 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 8.008 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:276 Resp: 153992
Ion Ratio Lower Upper
276 100
277 23.9 17.9 26.9
138 22.5 21.8 32.8

