

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107780.D
 Acq On : 28 Jul 2018 7:23
 Operator : JU/SJ
 Sample : J4184-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

Quant Time: Jul 30 01:34:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	153452	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	478576	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	220765	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	402297	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	429169	20.00	ng	-0.02
86) Perylene-d12	15.68	264	337639	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	498822	52.26	ng	-0.01
7) Phenol-d6	6.60	99	379629	33.13	ng	-0.01
23) Nitrobenzene-d5	7.53	82	896929	126.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	349725	139.31	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1652646	167.80	ng	-0.02
78) Terphenyl-d14	13.08	244	1479144	88.23	ng	-0.02

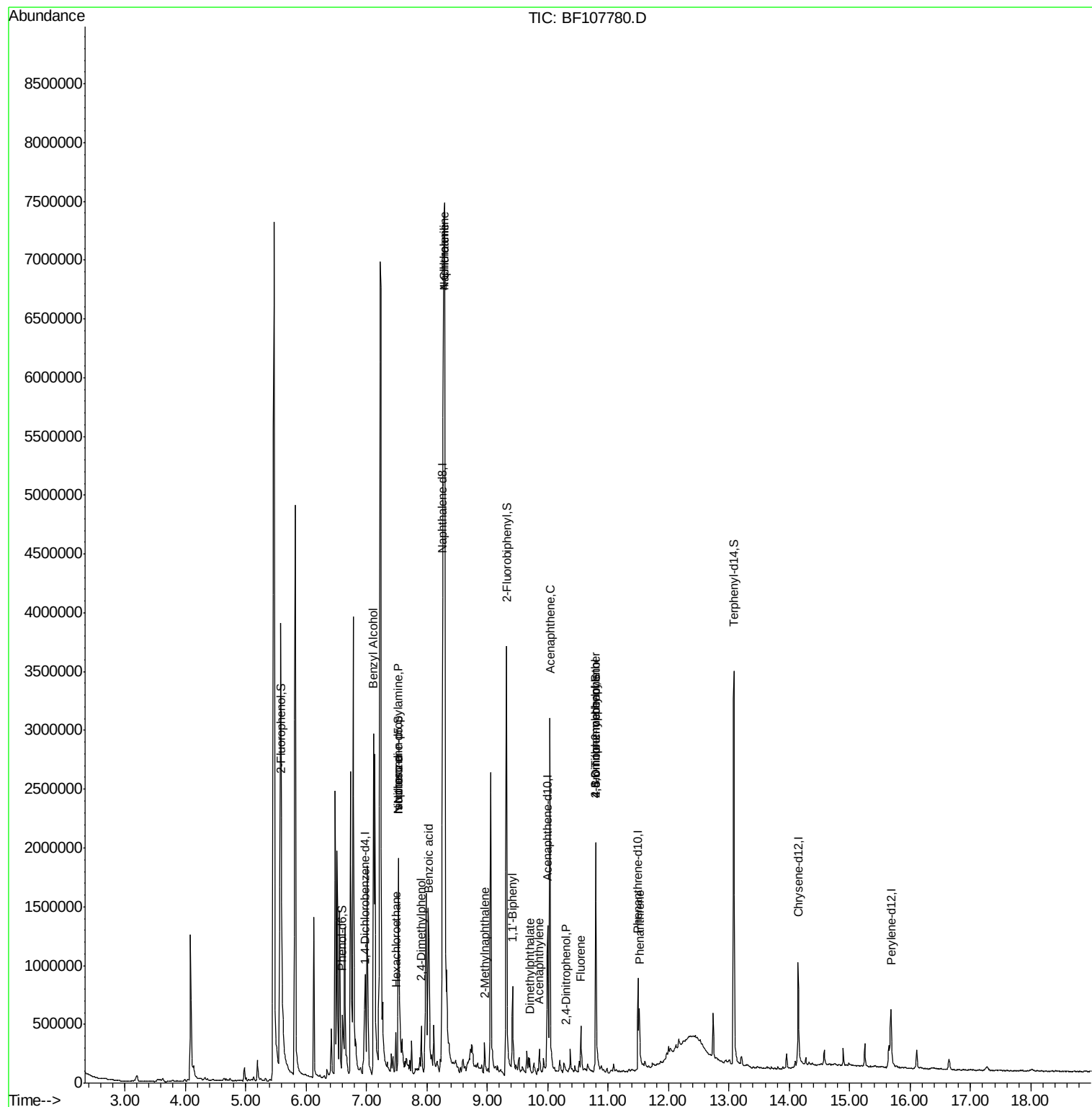
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.12	79	16192	2.073	ng	# 44
18) Hexachloroethane	7.49	117	26018	6.243	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	117865	15.920	ng	# 77
25) Isophorone	7.53	82	896994	59.242	ng	# 64
27) 2,4-Dimethylphenol	7.91	122	29495	4.543	ng	90
31) Naphthalene	8.30	128	8371615	397.796	ng	# 90
32) Benzoic acid	8.04	122	22082	11.970	ng	# 1
33) 4-Chloroaniline	8.29	127	1345306	146.255	ng	# 34
37) 2-Methylnaphthalene	8.95	142	103658	7.108	ng	97
45) 1,1'-Biphenyl	9.42	154	320876	16.685	ng	96
48) Acenaphthylene	9.86	152	109384	4.954	ng	# 93
49) Dimethylphthalate	9.71	163	61914	3.721	ng	98
51) Acenaphthene	10.04	154	721477	52.147	ng	100
53) 2,4-Dinitrophenol	10.31	184	241	8.494	ng	# 1
57) Fluorene	10.55	166	175614	12.085	ng	93
64) 4,6-Dinitro-2-methylphenol	10.80	198	666	8.962	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	20345	4.296	ng	# 1
70) Phenanthrene	11.52	178	226251	11.541	ng	98
73) Di-n-butylphthalate	12.04	149	5383	Below Cal		# 92
81) 3,3'-Dichlorobenzidine	14.08	252	2873	Below Cal		# 27

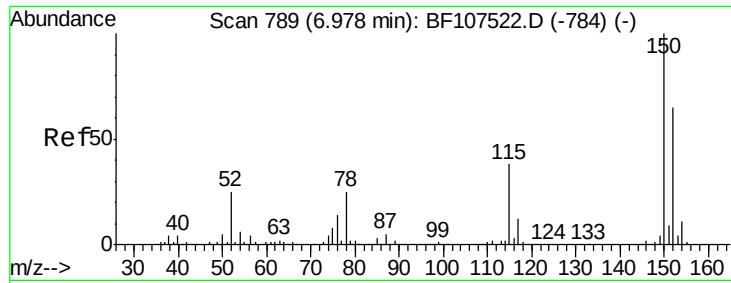
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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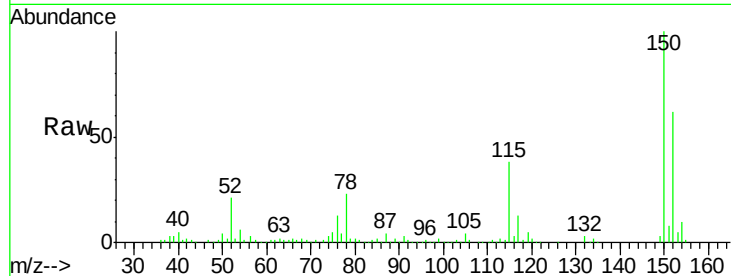


#1

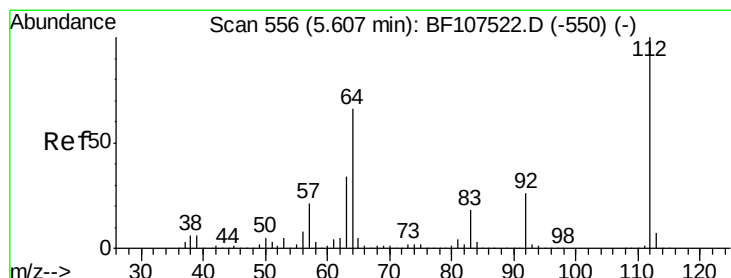
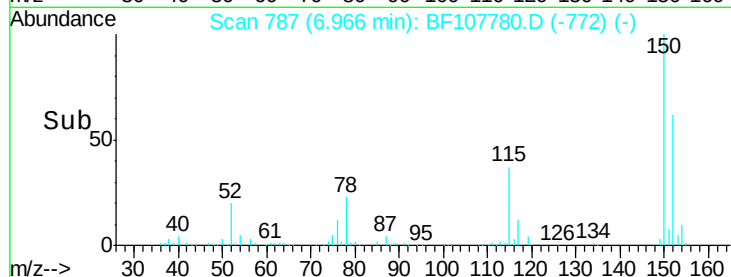
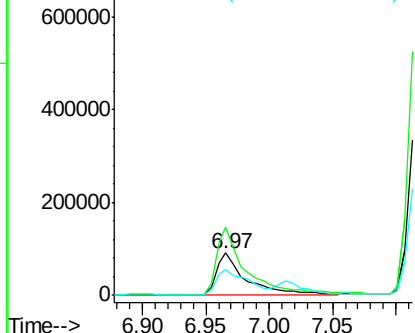
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:152 Resp: 153452
Ion Ratio Lower Upper
152 100
150 161.0 124.6 186.8
115 60.8 50.1 75.1



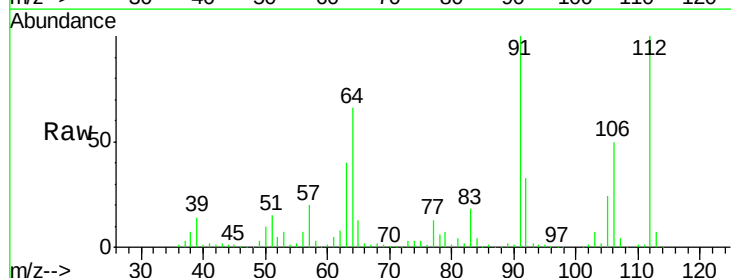
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



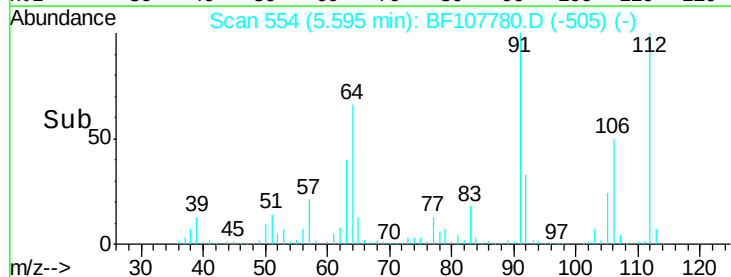
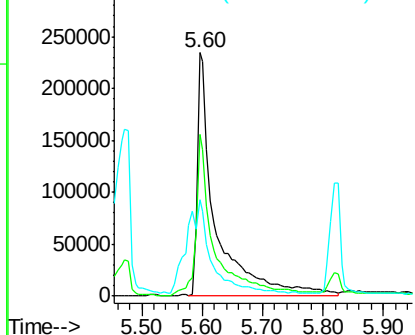
#5

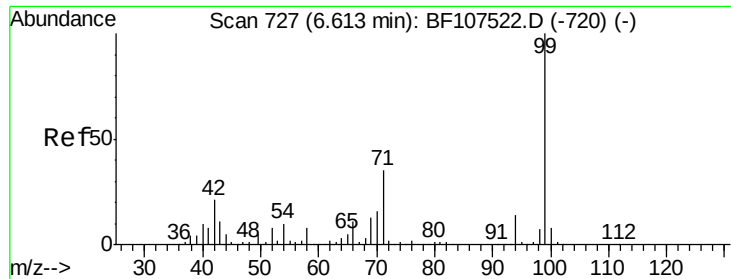
2-Fluorophenol
Concen: 52.265 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:112 Resp: 498822
Ion Ratio Lower Upper
112 100
64 66.4 47.9 71.9
63 39.7 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





#7

Phenol-d6

Concen: 33.126 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

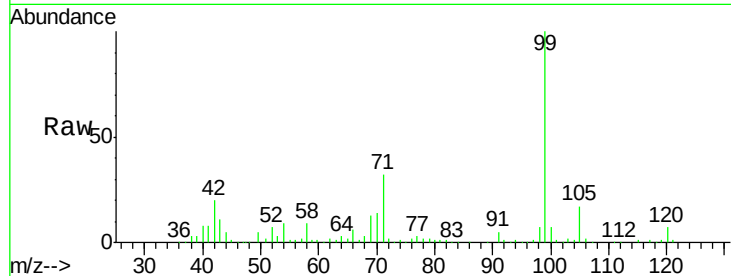
Tgt Ion: 99 Resp: 379629

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

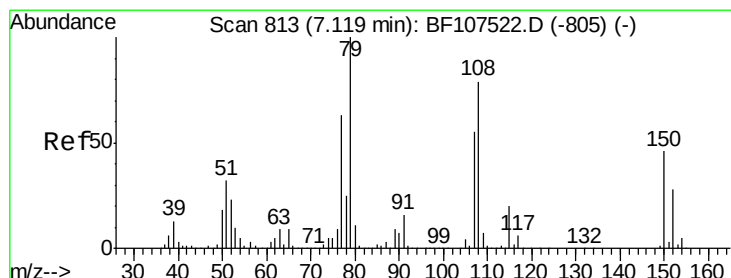
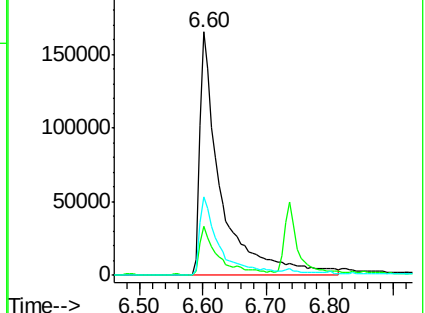
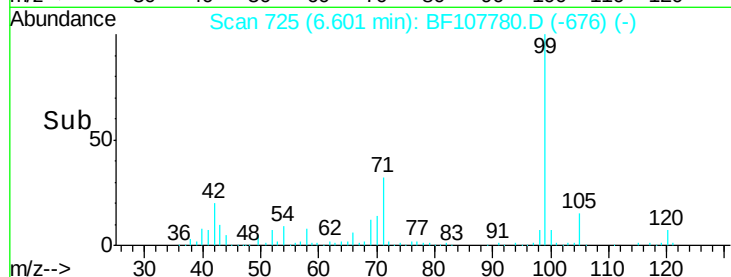
71 32.2 25.4 38.0



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



#15

Benzyl Alcohol

Concen: 2.073 ng

RT: 7.12 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

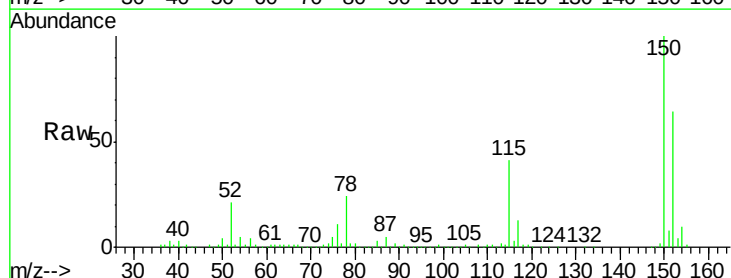
Tgt Ion: 79 Resp: 16192

Ion Ratio Lower Upper

79 100

108 29.0 65.1 97.7#

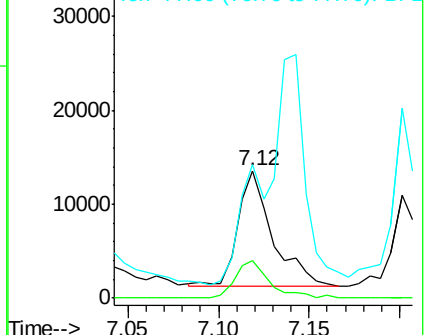
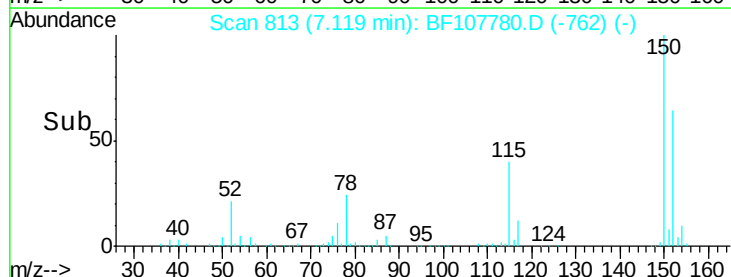
77 104.1 50.6 75.8#

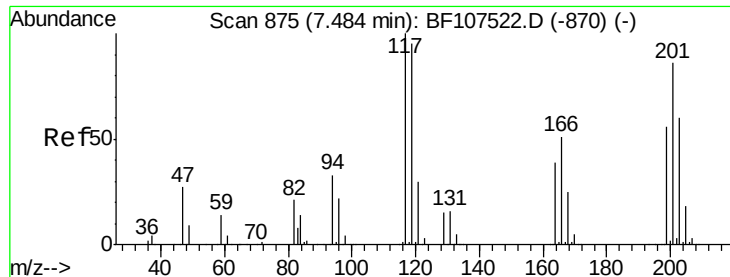


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

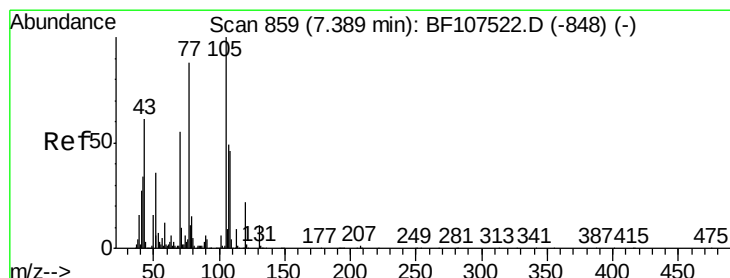
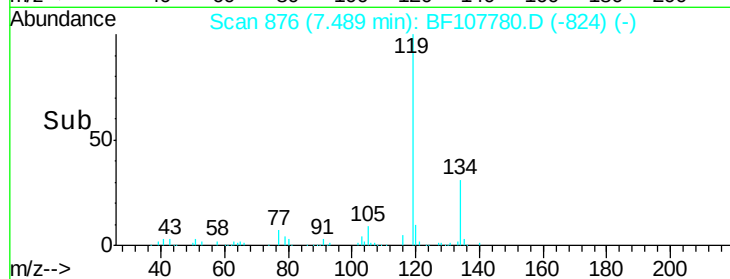
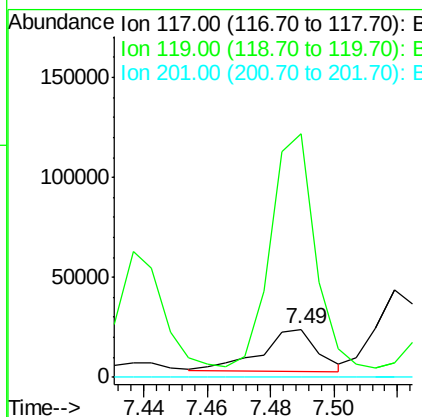
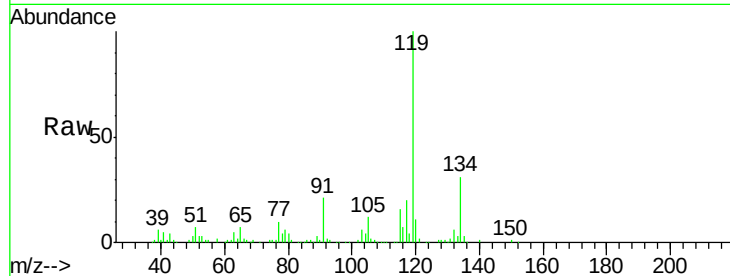




#18
Hexachloroethane
Concen: 6.243 ng
RT: 7.49 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

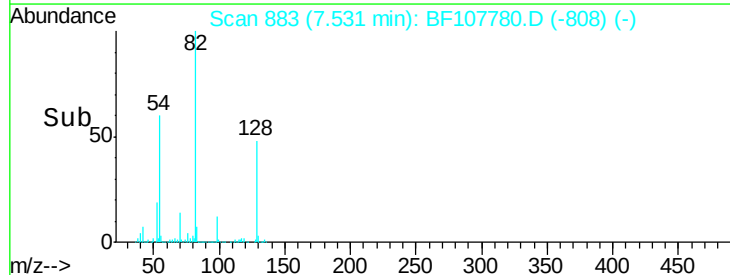
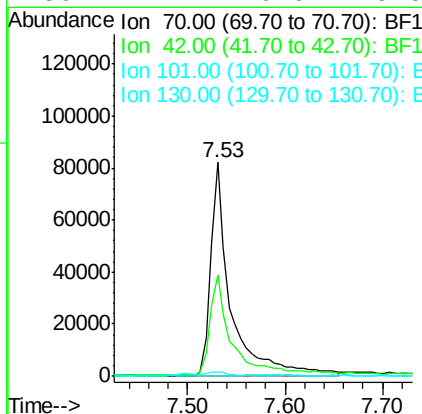
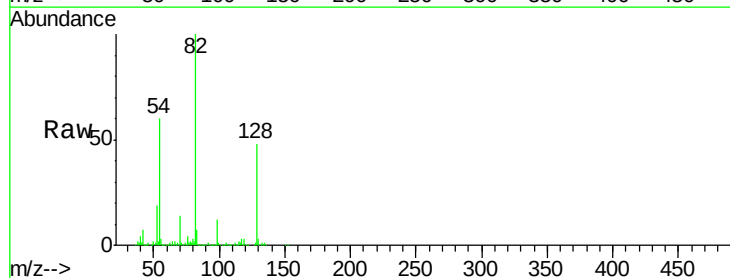
Instrument :
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ClientSampleId :
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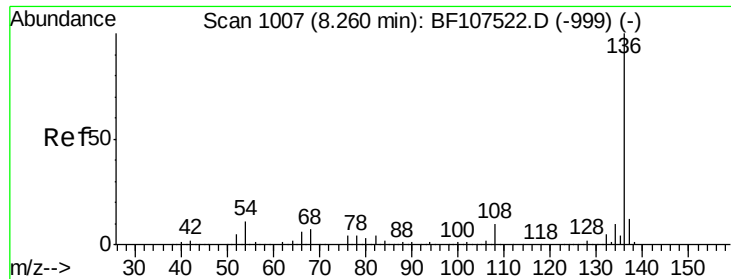
Tgt Ion: 117 Resp: 26018
Ion Ratio Lower Upper
117 100
119 505.6 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.920 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion: 70 Resp: 117865
Ion Ratio Lower Upper
70 100
42 47.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

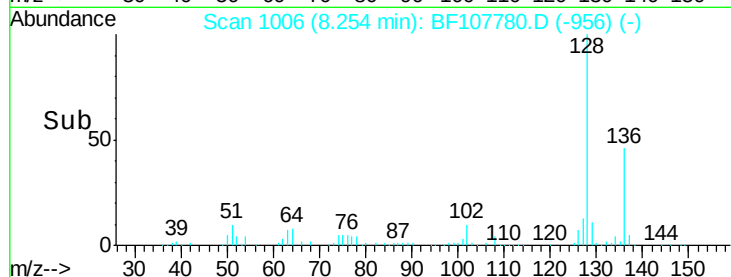
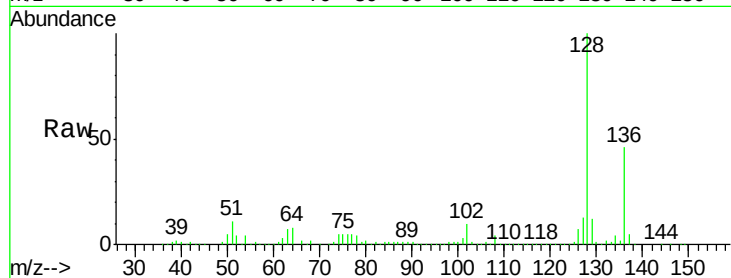




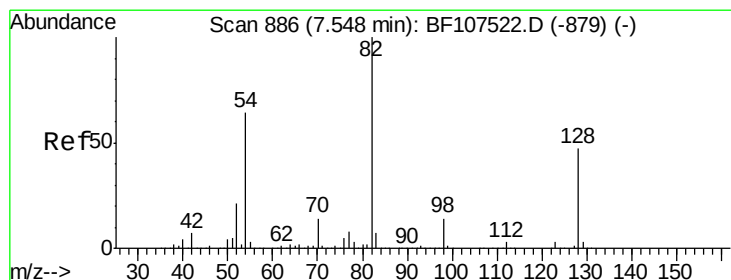
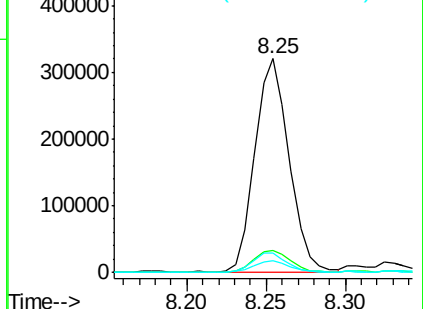
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampled :
MW-3B

Tgt Ion:	136	Resp:	478576
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	9.1	6.6	9.8
68	5.2	5.0	7.4

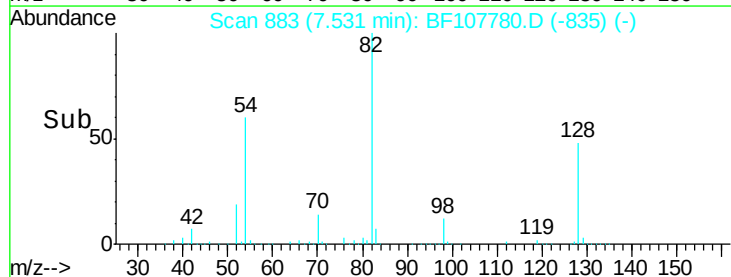
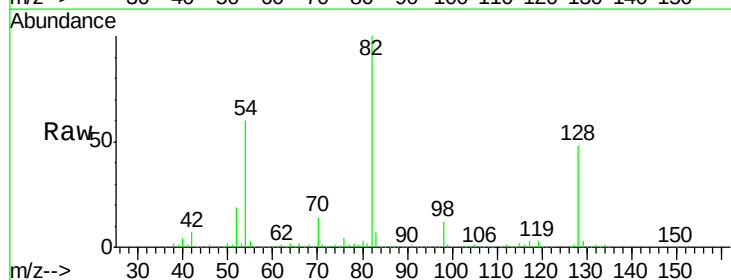


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

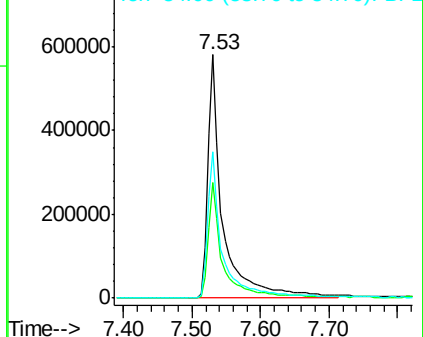


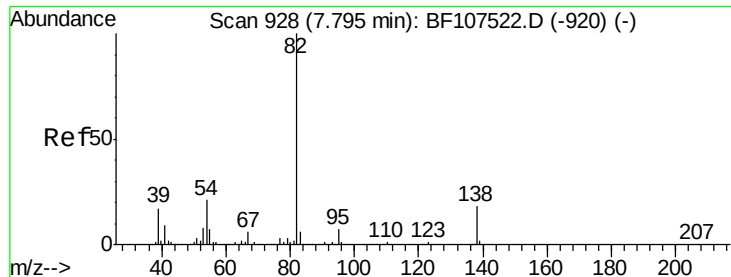
#23
Nitrobenzene-d5
Concen: 126.483 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:	82	Resp:	896929
Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	60.1	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: 59.242 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampled :

MW-3B

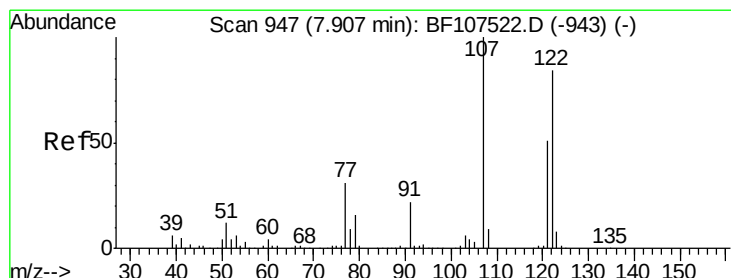
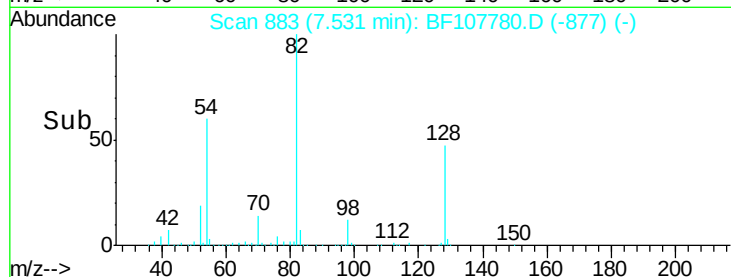
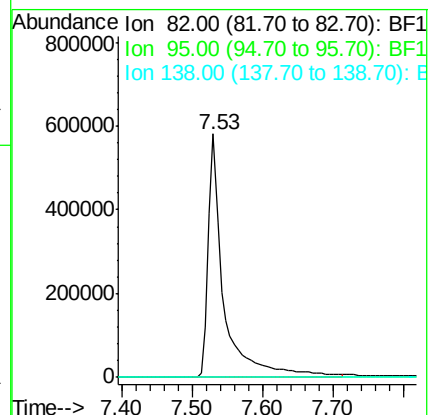
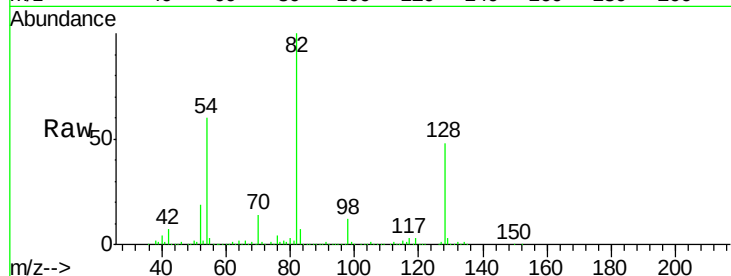
Tgt Ion: 82 Resp: 896994

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 4.543 ng

RT: 7.91 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

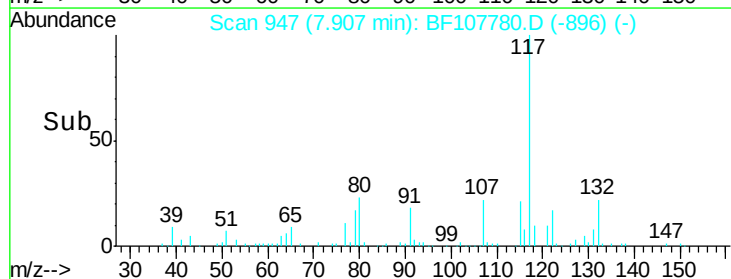
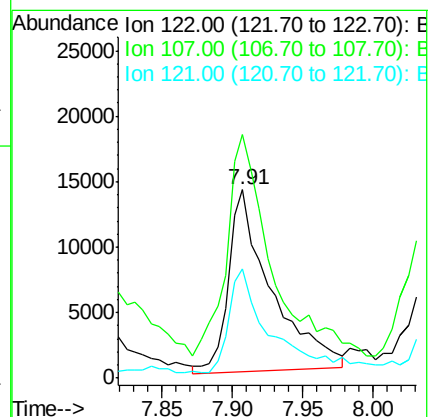
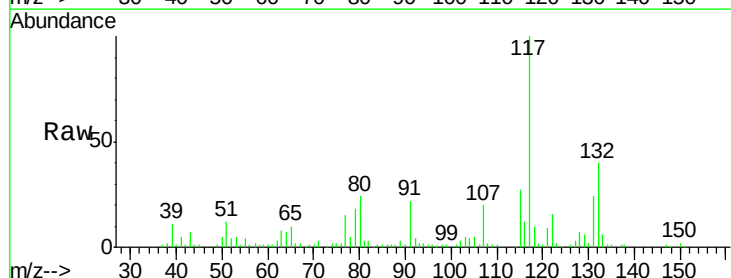
Tgt Ion: 122 Resp: 29495

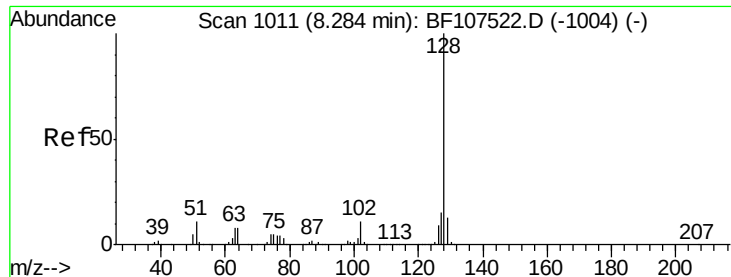
Ion Ratio Lower Upper

122 100

107 129.3 91.2 136.8

121 58.3 47.2 70.8

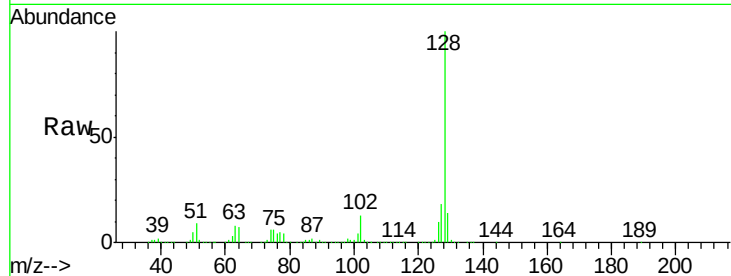




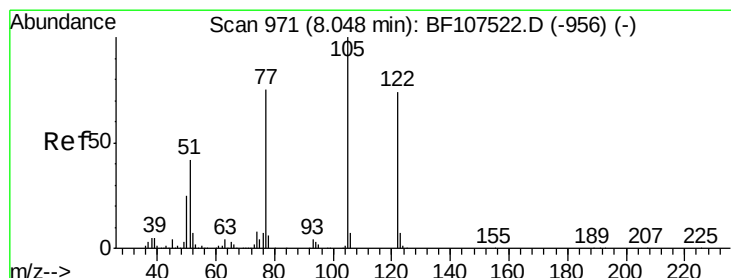
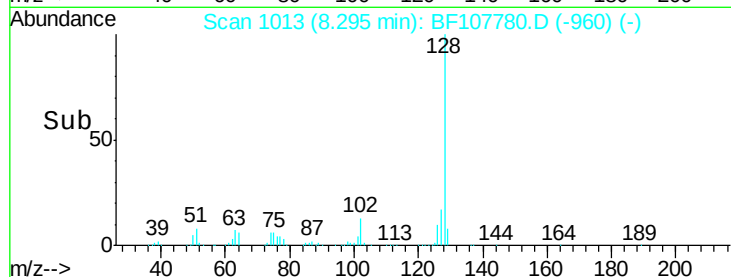
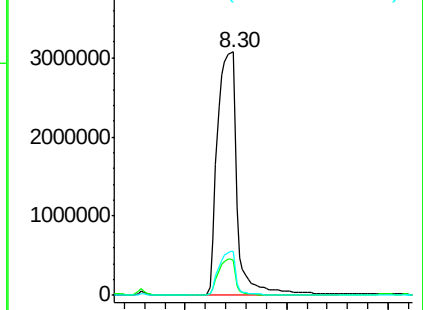
#31
Naphthalene
Concen: 397.796 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:128 Resp: 8371615
Ion Ratio Lower Upper
128 100
129 14.3 8.8 13.2#
127 17.8 10.9 16.3#

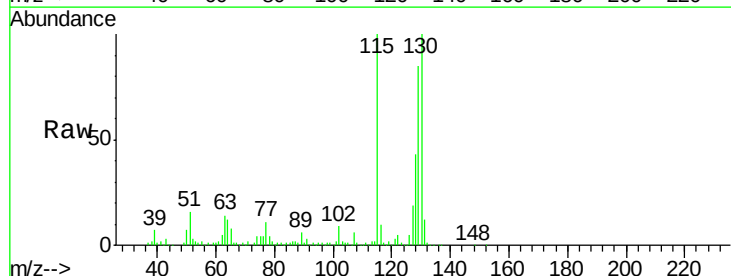


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

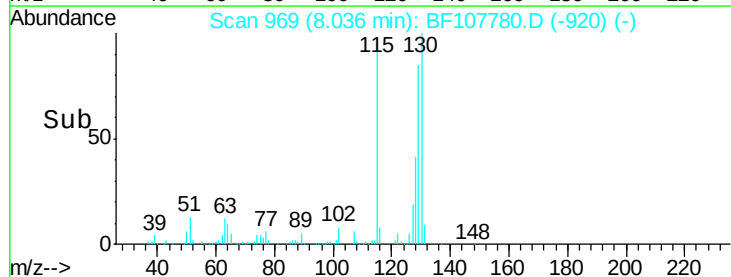
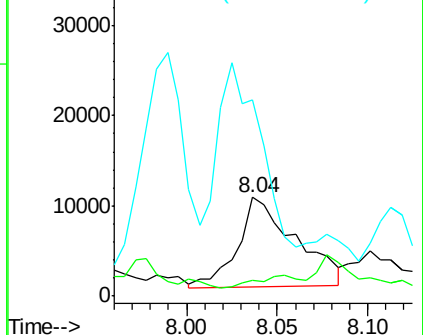


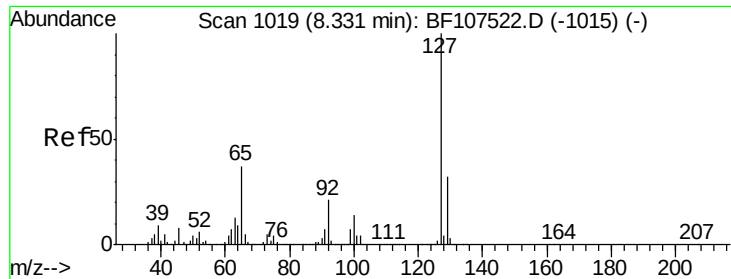
#32
Benzoic acid
Concen: 11.970 ng
RT: 8.04 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:122 Resp: 22082
Ion Ratio Lower Upper
122 100
105 15.5 101.1 141.1#
77 198.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

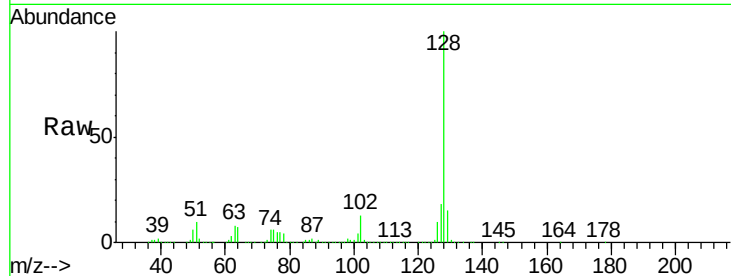




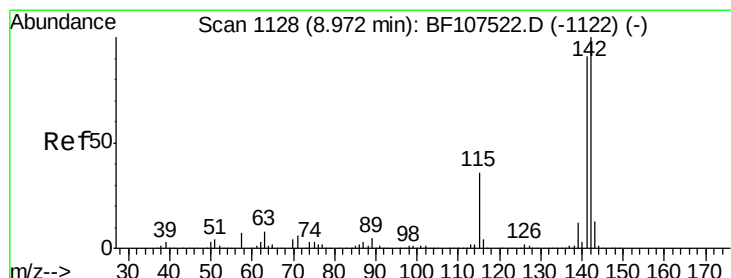
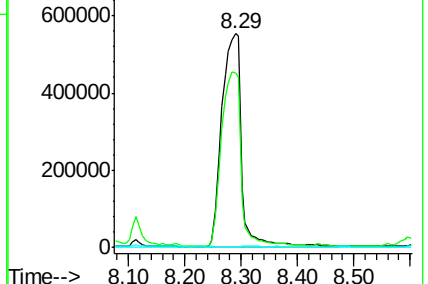
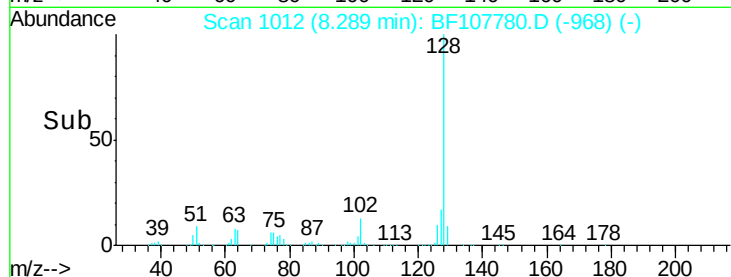
#33
4-Chloroaniline
Concen: 146.255 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.04 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:127 Resp: 1345306
Ion Ratio Lower Upper
127 100
129 81.8 25.9 38.9#
65 0.0 25.0 37.4#
92 0.1 15.2 22.8#

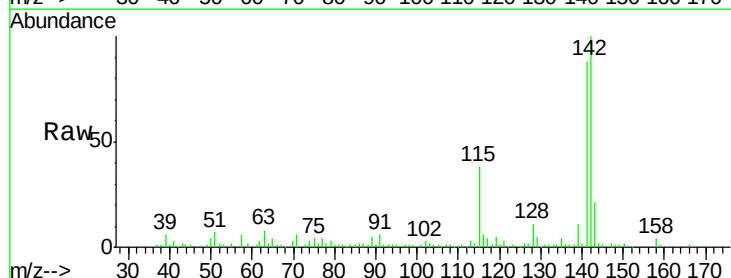


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

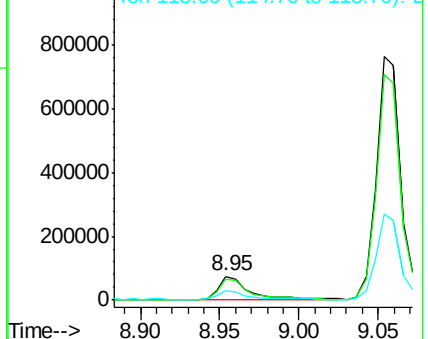
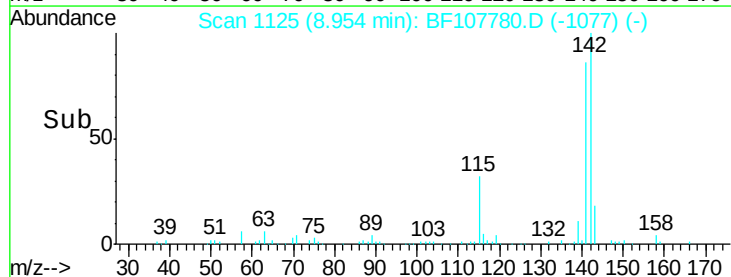


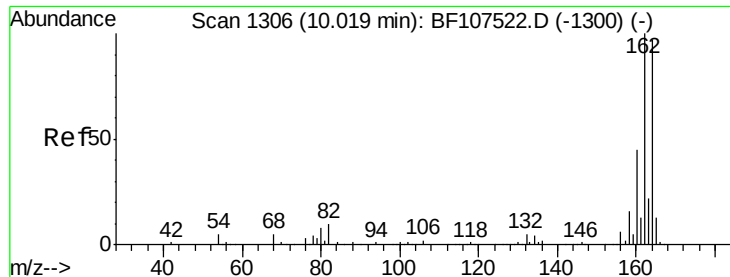
#37
2-Methylnaphthalene
Concen: 7.108 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:142 Resp: 103658
Ion Ratio Lower Upper
142 100
141 88.0 70.8 106.2
115 37.8 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

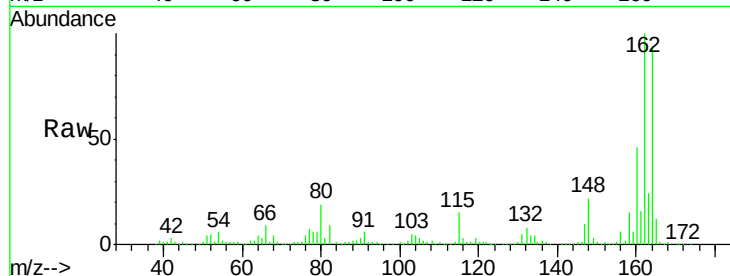




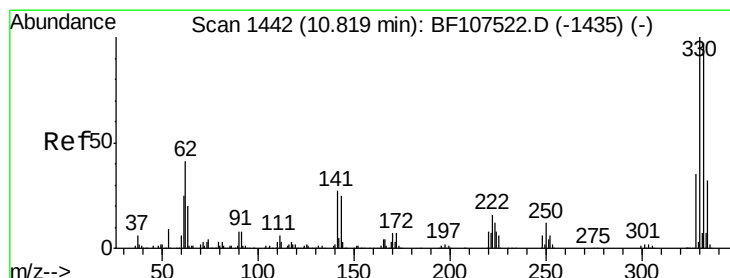
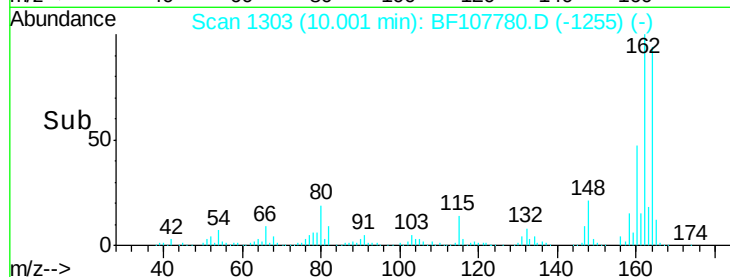
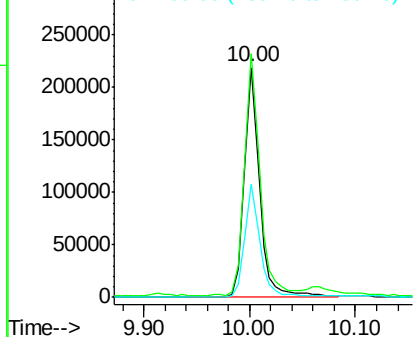
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Instrument :
BNA_F
ClientSampleId :
MW-3B

Tgt Ion:164 Resp: 220765
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 49.3 38.3 57.5

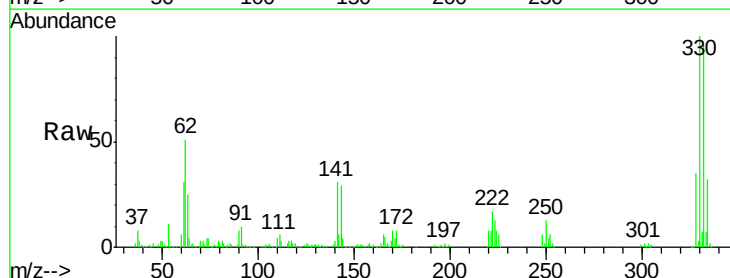


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

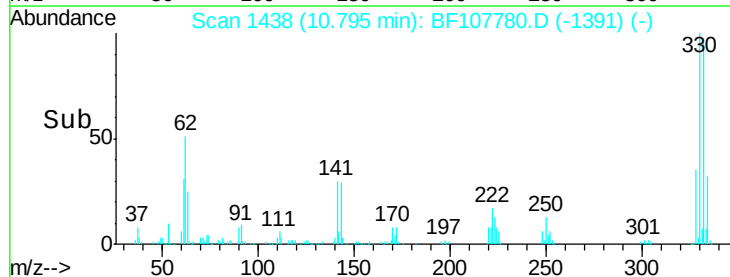
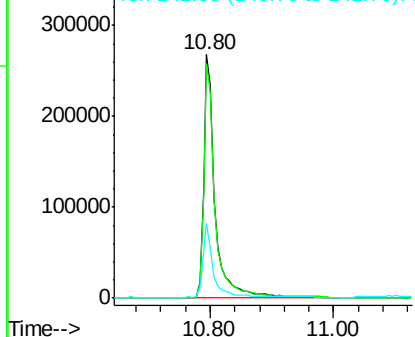


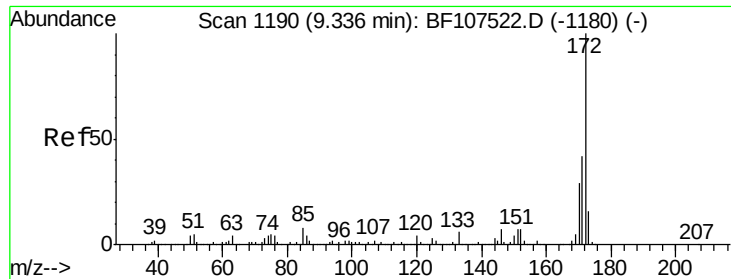
#41
2,4,6-Tribromophenol
Concen: 139.308 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:330 Resp: 349725
Ion Ratio Lower Upper
330 100
332 94.0 77.0 115.6
141 28.8 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

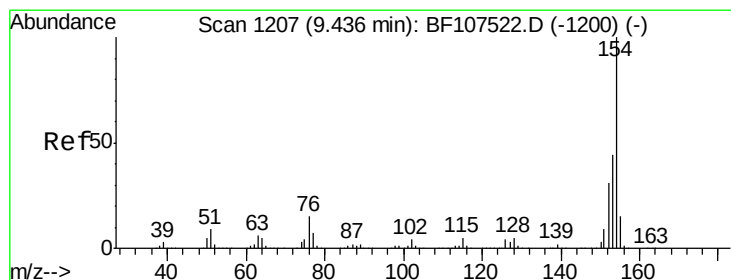
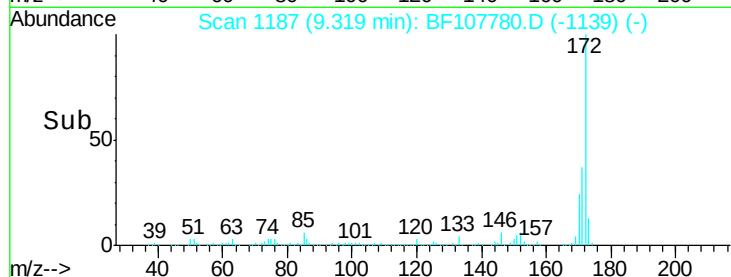
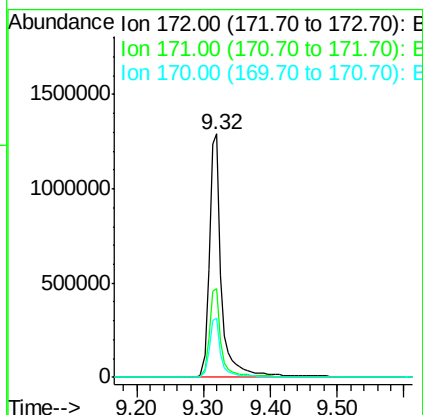
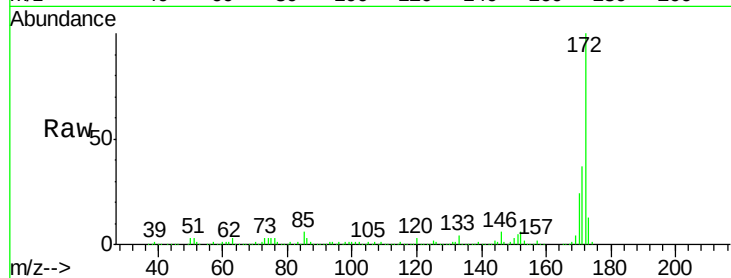




#44
 2-Fluorobiphenyl
 Concen: 167.797 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107780.D
 Acq: 28 Jul 2018 7:23

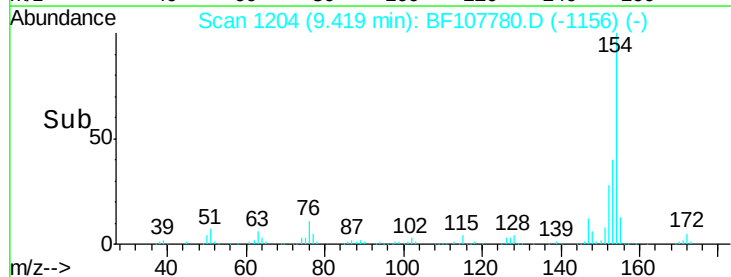
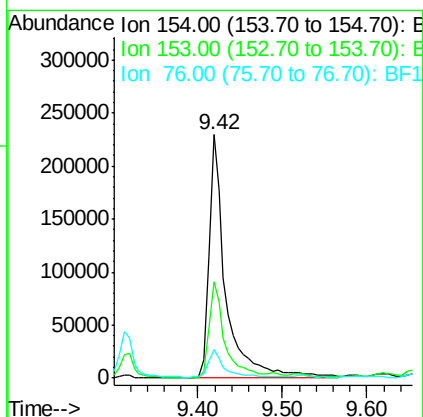
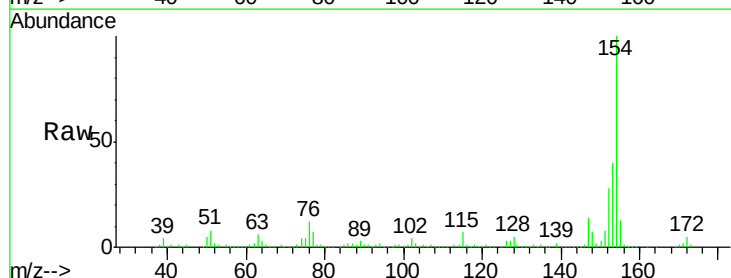
Instrument :
 BNA_F
 ClientSampleId :
 MW-3B

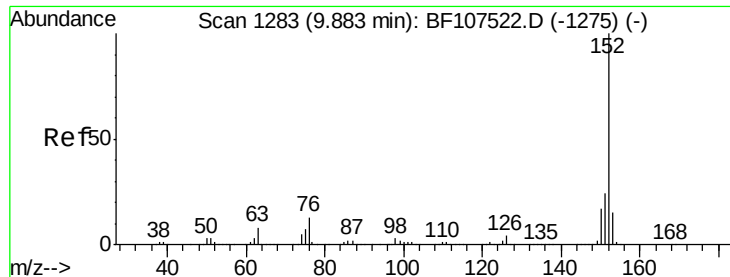
Tgt Ion:172 Resp: 1652646
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.4 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 16.685 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF107780.D
 Acq: 28 Jul 2018 7:23

Tgt Ion:154 Resp: 320876
 Ion Ratio Lower Upper
 154 100
 153 39.5 21.3 61.3
 76 11.6 0.0 34.0





#48

Acenaphthylene

Concen: 4.954 ng

RT: 9.86 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

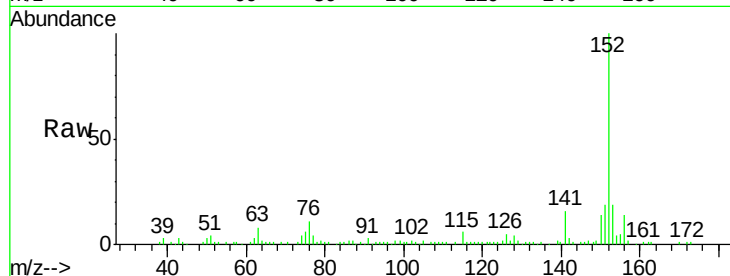
Tgt Ion:152 Resp: 109384

Ion Ratio Lower Upper

152 100

151 19.1 16.3 24.5

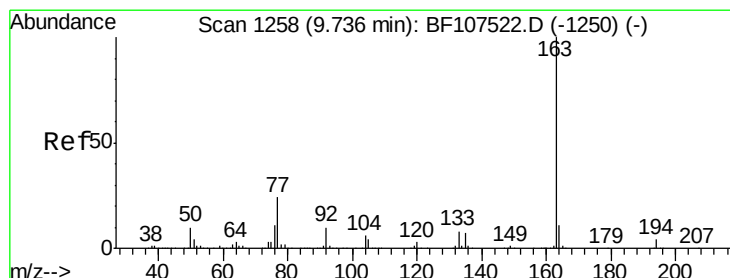
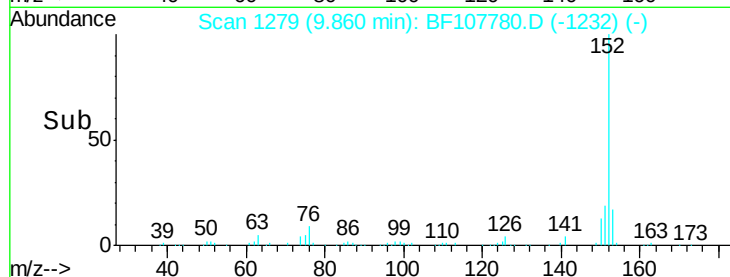
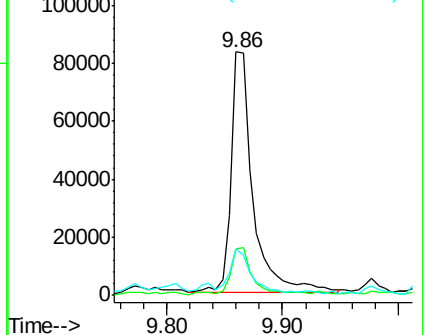
153 19.1 10.7 16.1#



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: 3.721 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

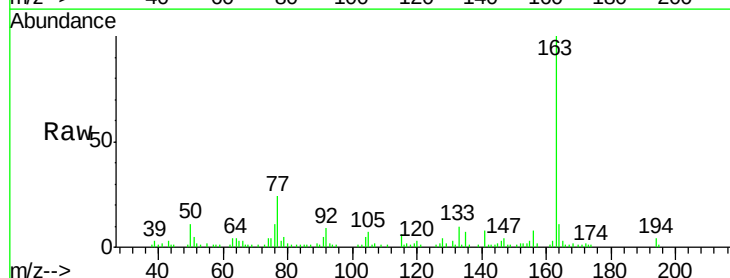
Tgt Ion:163 Resp: 61914

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

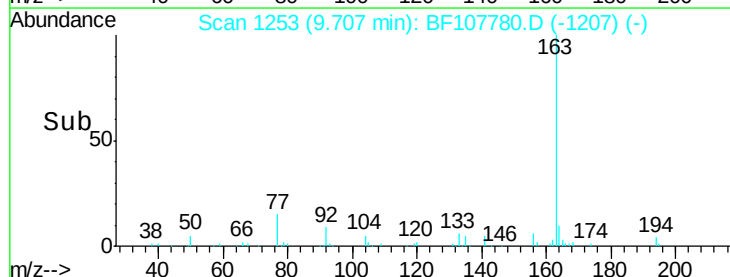
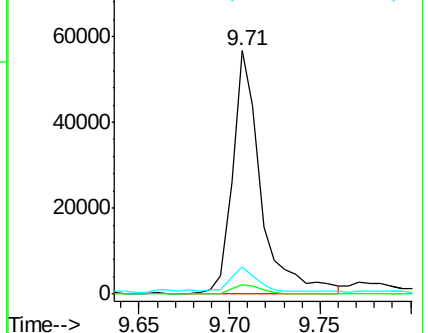
164 11.0 8.2 12.2

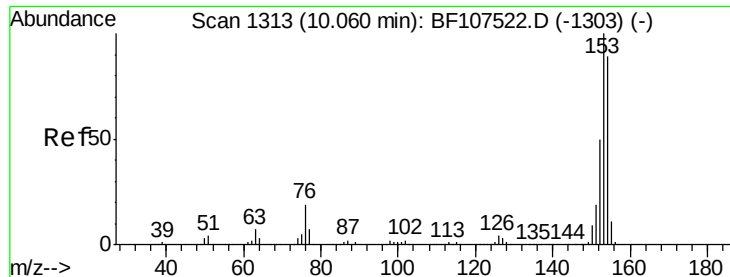


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 52.147 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

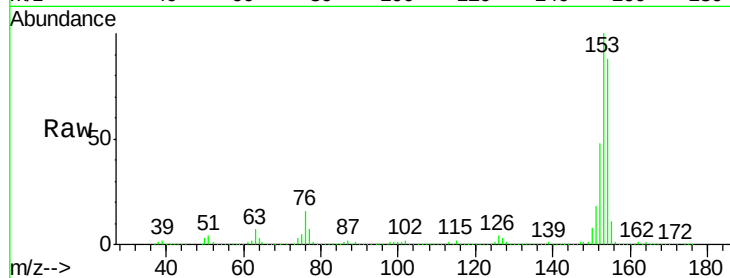
Tgt Ion:154 Resp: 721477

Ion Ratio Lower Upper

154 100

153 114.1 91.2 136.8

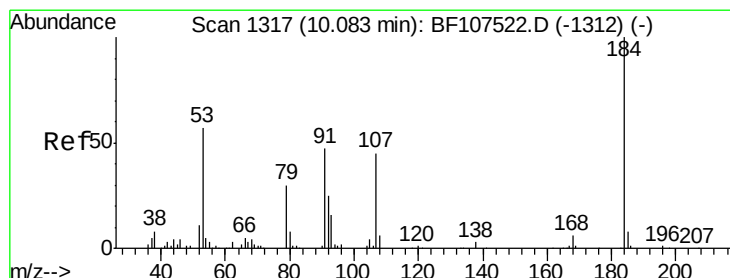
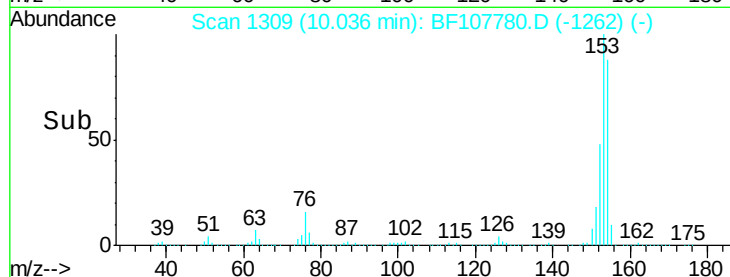
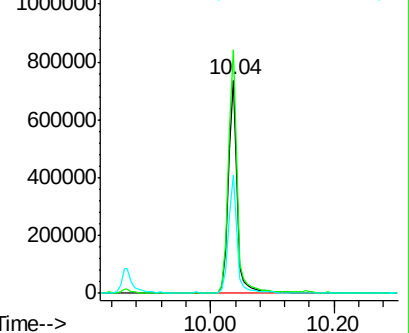
152 55.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.494 ng

RT: 10.31 min Scan# 1355

Delta R.T. 0.22 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

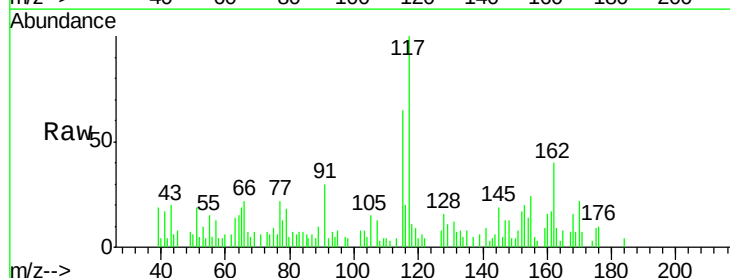
Tgt Ion:184 Resp: 241

Ion Ratio Lower Upper

184 100

63 329.5 54.2 81.2#

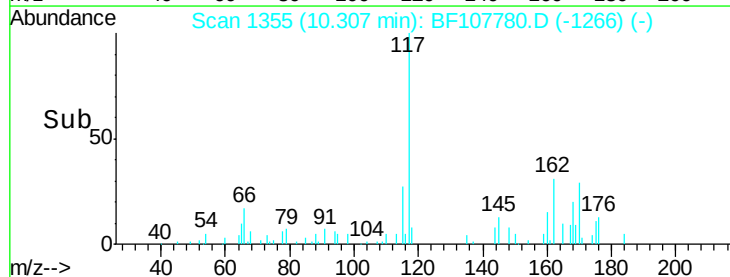
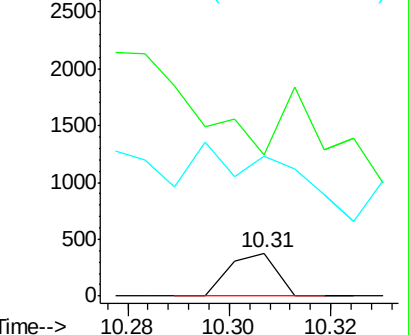
154 328.7 184.0 276.0#

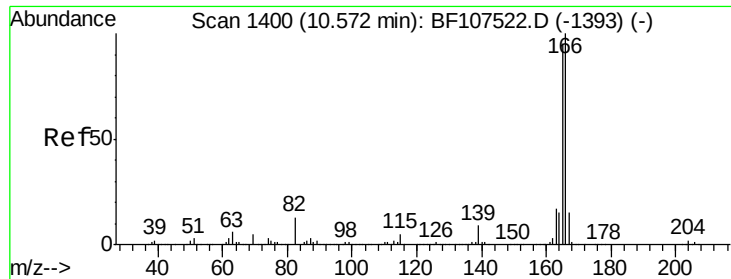


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 12.085 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

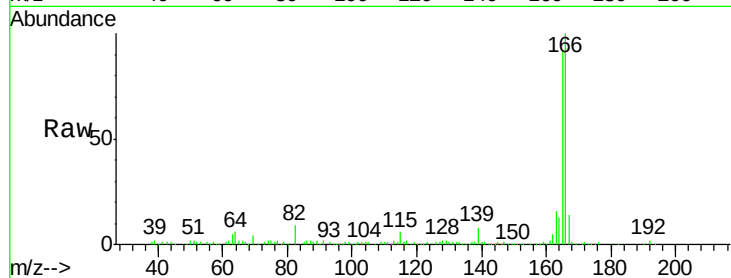
Tgt Ion:166 Resp: 175614

Ion Ratio Lower Upper

166 100

165 92.2 79.8 119.8

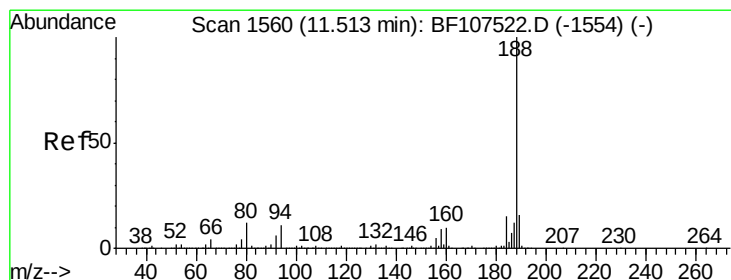
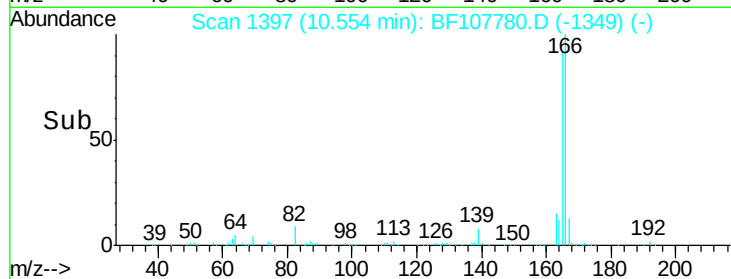
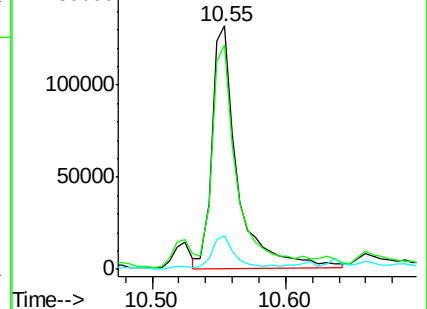
167 13.7 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

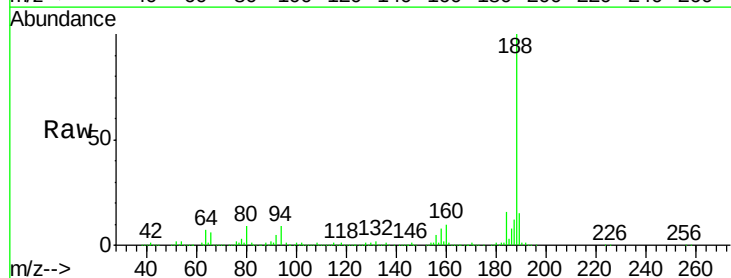
Tgt Ion:188 Resp: 402297

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

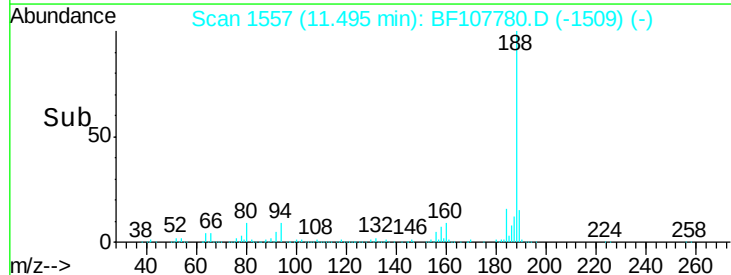
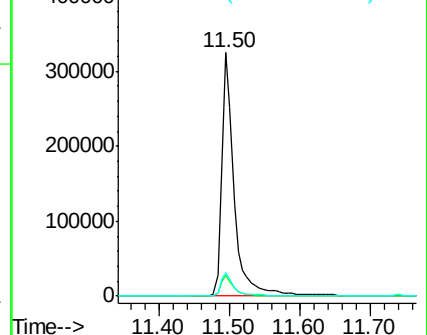
80 9.4 9.2 13.8

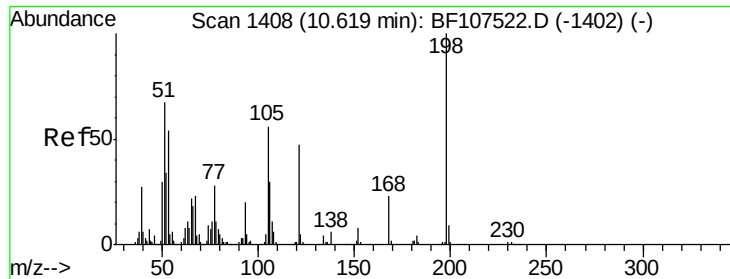


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.962 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

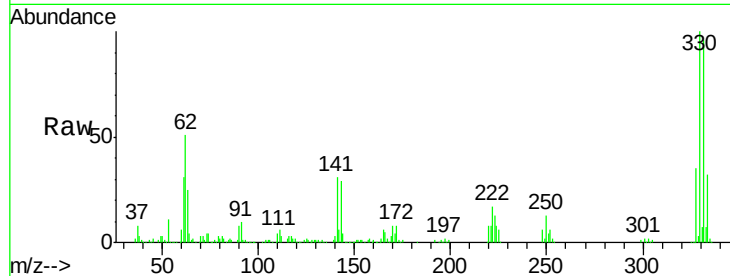
Tgt Ion:198 Resp: 666

Ion Ratio Lower Upper

198 100

51 303.4 37.7 77.7#

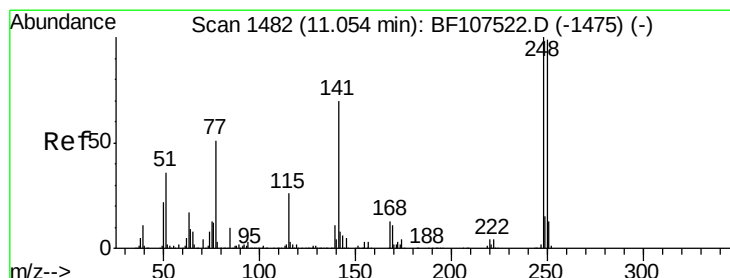
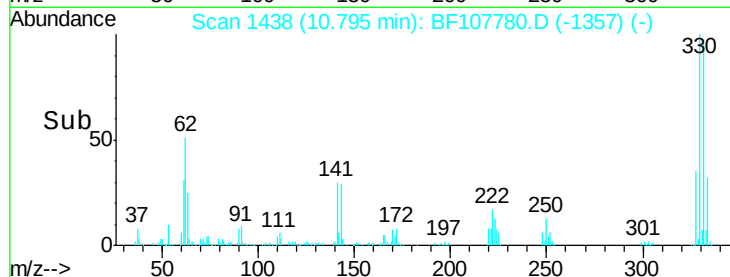
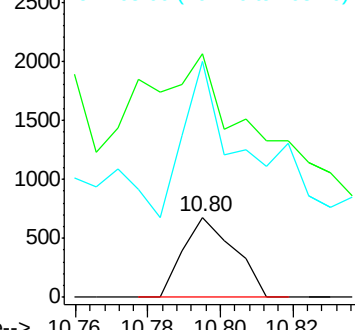
105 293.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.296 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.26 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

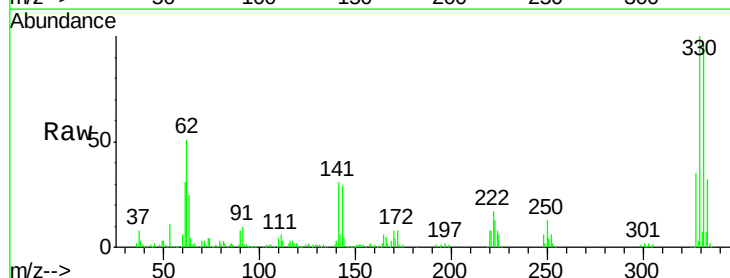
Tgt Ion:248 Resp: 20345

Ion Ratio Lower Upper

248 100

250 199.6 76.9 115.3#

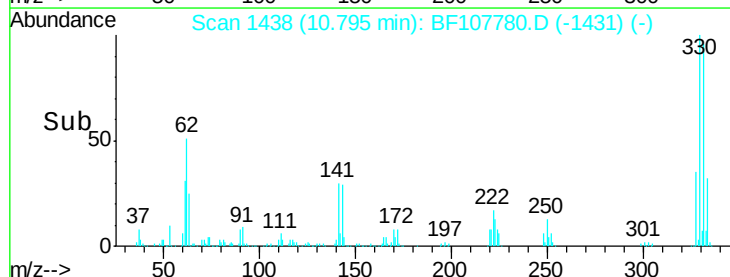
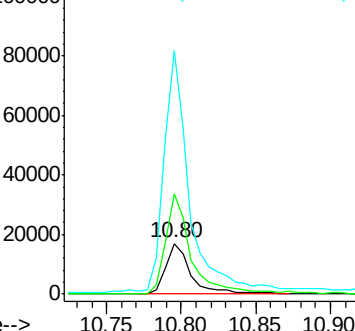
141 482.0 74.4 111.6#

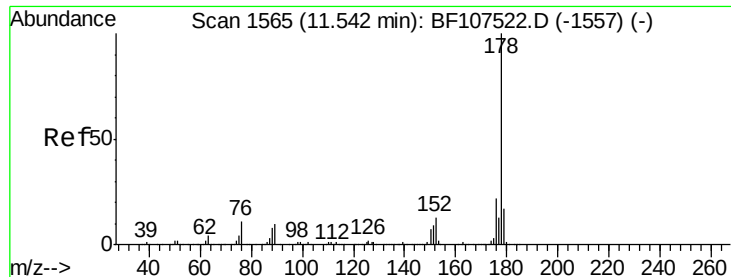


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

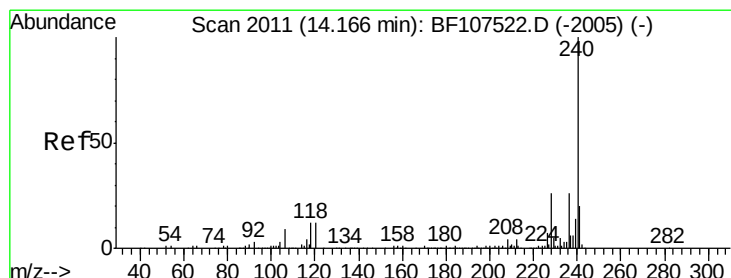
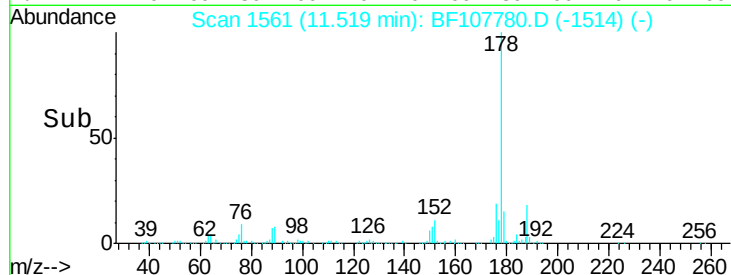
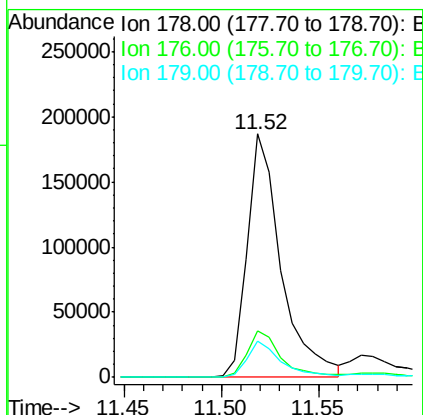
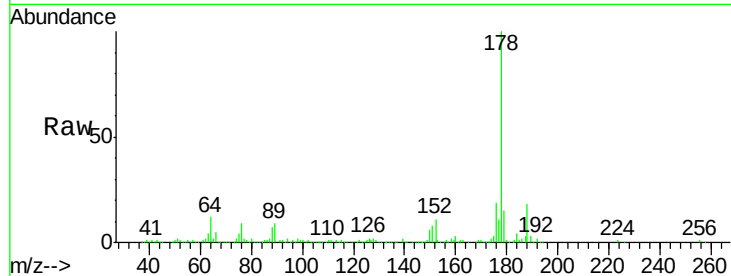




#70
Phenanthrene
Concen: 11.541 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

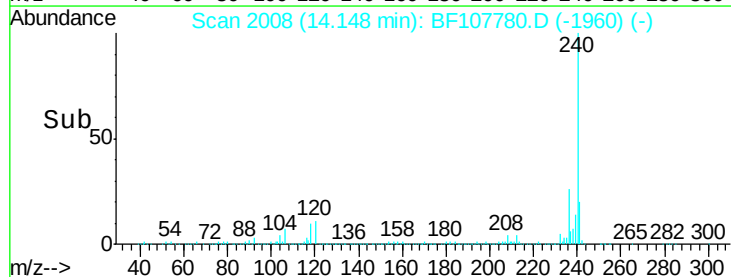
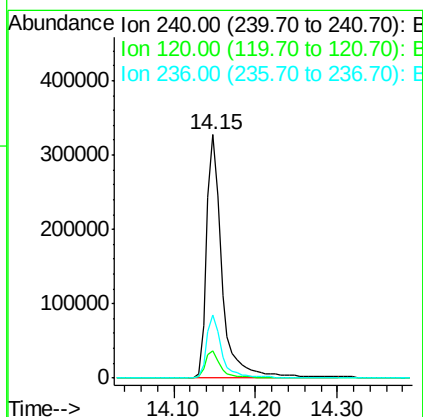
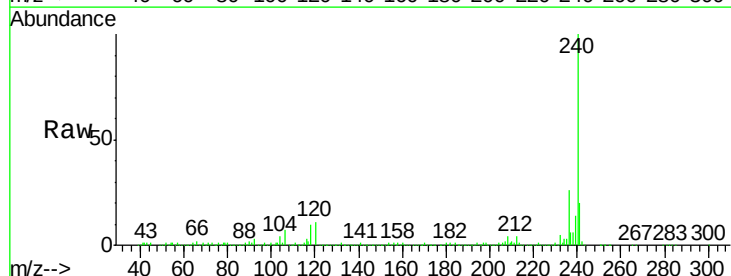
Instrument :
BNA_F
ClientSampleId :
MW-3B

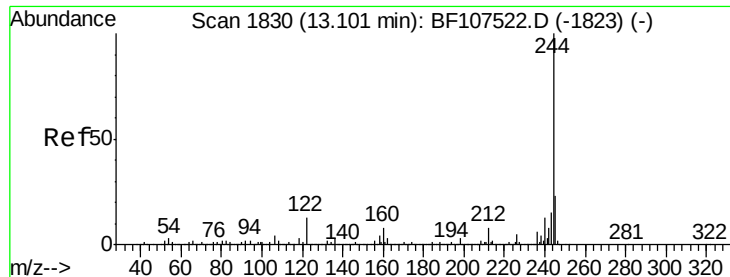
Tgt Ion:178 Resp: 226251
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.1 13.0 19.6



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107780.D
Acq: 28 Jul 2018 7:23

Tgt Ion:240 Resp: 429169
Ion Ratio Lower Upper
240 100
120 11.3 9.5 14.3
236 25.9 20.7 31.1





#78

Terphenyl-d14

Concen: 88.234 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

Instrument :

BNA_F

ClientSampleId :

MW-3B

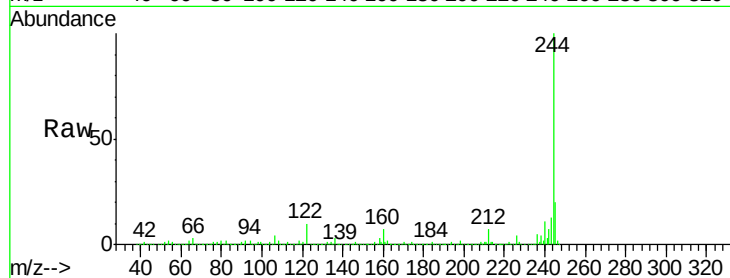
Tgt Ion:244 Resp: 1479144

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

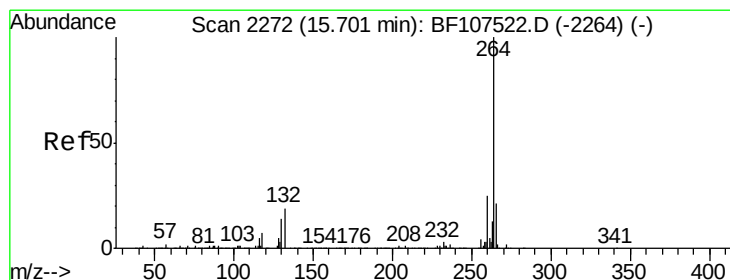
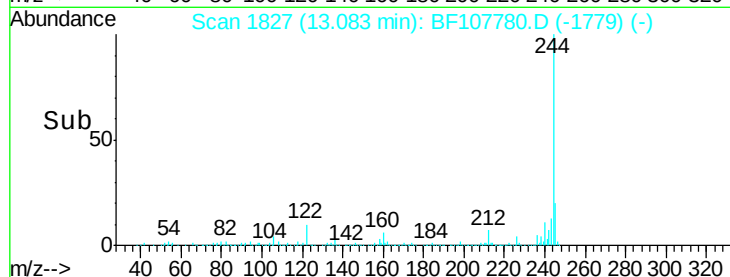
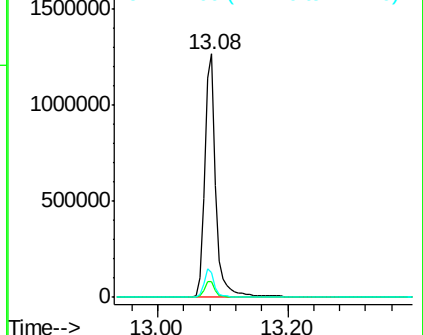
122 10.3 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107780.D

Acq: 28 Jul 2018 7:23

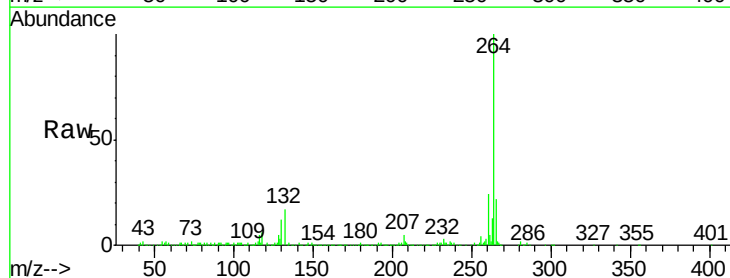
Tgt Ion:264 Resp: 337639

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

