

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
 Data File : BF107840.D
 Acq On : 31 Jul 2018 9:44
 Operator : JU/SJ
 Sample : J4184-01DL2 20X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3BDL

Quant Time: Jul 31 10:49:33 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	6.96	152	143814	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	667958	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	272650	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	455380	20.00	ng	0.00
75) Chrysene-d12	14.15	240	441078	20.00	ng	0.00
86) Perylene-d12	15.69	264	394692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	6277	0.74	ng	0.06
7) Phenol-d6	6.66	99	3313	0.30	ng	0.05
23) Nitrobenzene-d5	7.56	82	55486	4.79	ng	0.02
41) 2,4,6-Tribromophenol	10.80	330	20959	5.66	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	144810	7.40	ng	0.00
78) Terphenyl-d14	13.08	244	114068	5.61	ng	0.00

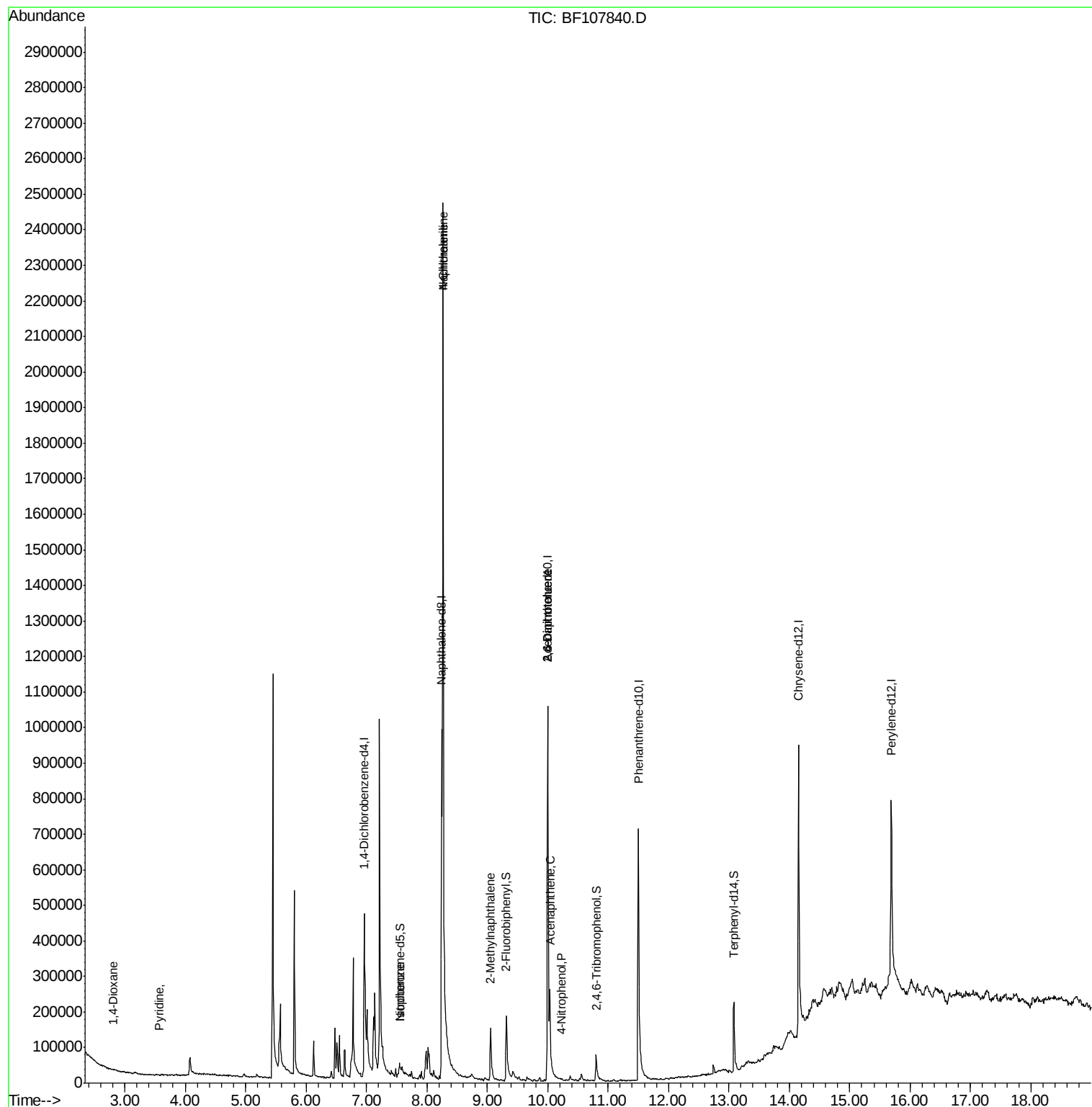
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	529	5.911	ng	# 1
3) Pyridine	3.57	79	279	6.279	ng	# 1
25) Isophorone	7.56	82	55486	2.915	ng	# 64
31) Naphthalene	8.27	128	1512290	48.706	ng	# 99
33) 4-Chloroaniline	8.27	127	201092	15.162	ng	# 33
37) 2-Methylnaphthalene	9.05	142	67678	3.470	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	32821	7.376	ng	# 26
51) Acenaphthene	10.04	154	56223	3.337	ng	# 97
55) 4-Nitrophenol	10.22	139	125	9.354	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	33433	5.716	ng	# 24

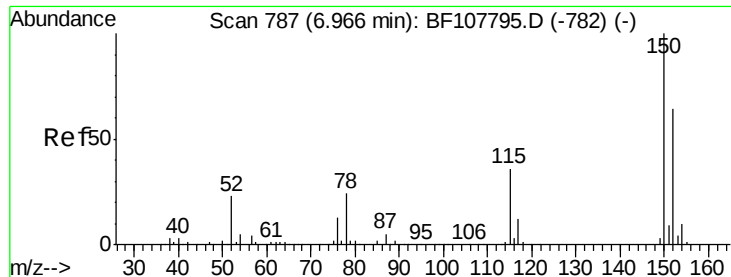
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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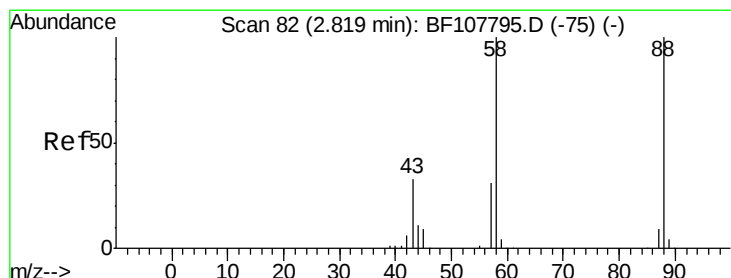
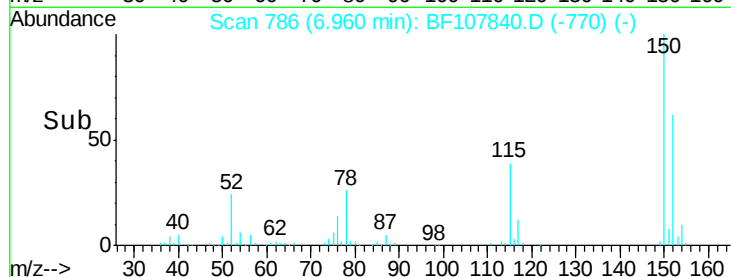
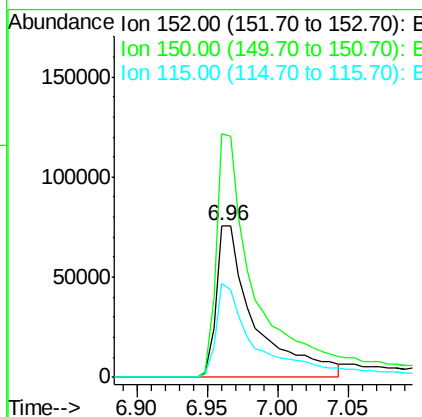
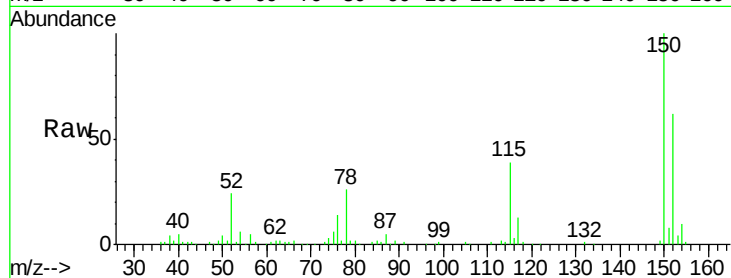


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Instrument :
BNA_F
ClientSampleId :
MW-3BDL

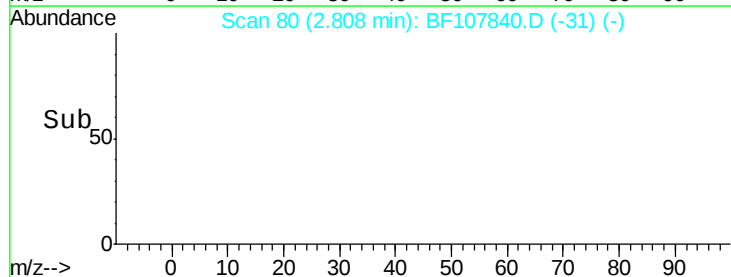
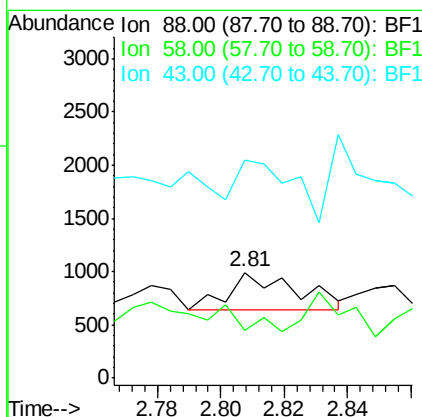
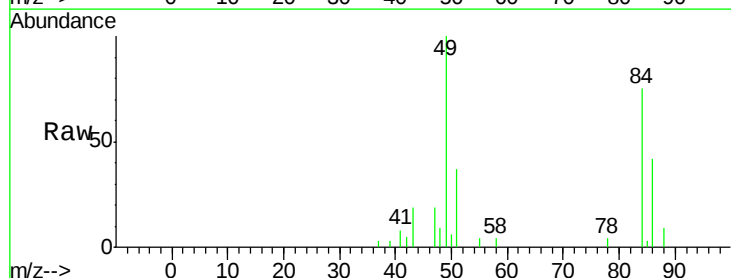
Tgt Ion:152 Resp: 143814
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 62.0 50.1 75.1

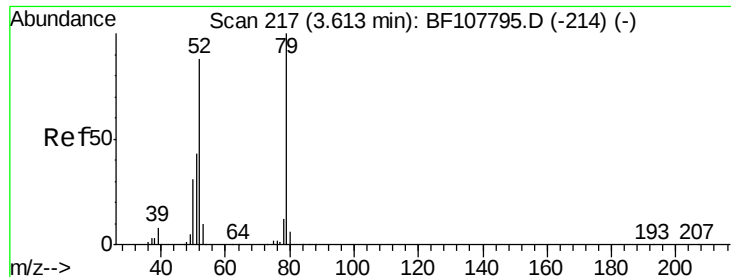


#2

1,4-Dioxane
Concen: 5.911 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Tgt Ion: 88 Resp: 529
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 130.4 24.6 37.0#





#3

Pyridine

Concen: 6.279 ng

RT: 3.57 min Scan# 209

Delta R.T. -0.05 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Instrument :

BNA_F

ClientSampleId :

MW-3BDL

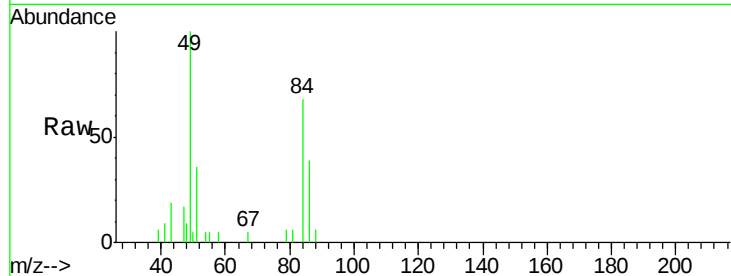
Tgt Ion: 79 Resp: 279

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

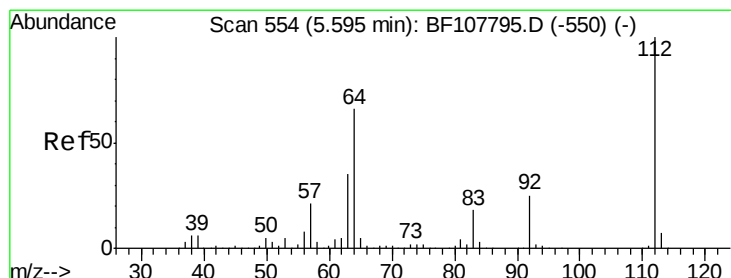
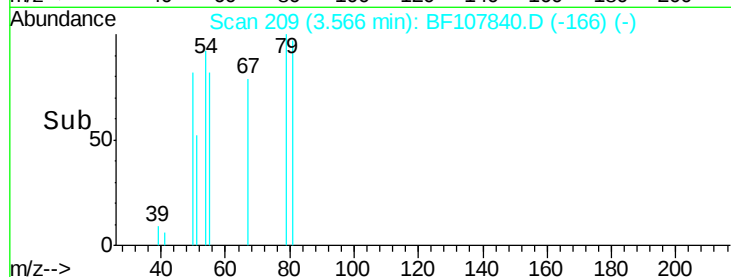
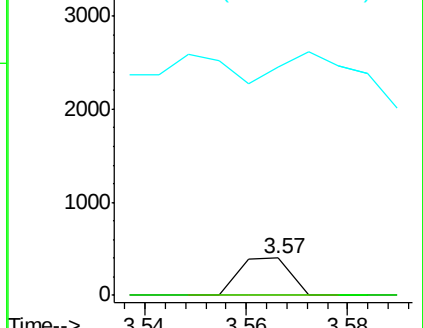
51 616.0 29.8 44.8#



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



#5

2-Fluorophenol

Concen: 0.742 ng

RT: 5.65 min Scan# 564

Delta R.T. 0.06 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

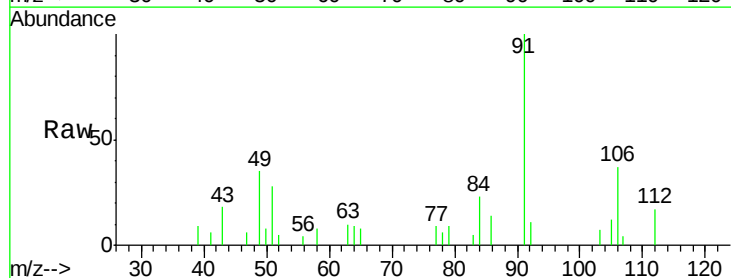
Tgt Ion: 112 Resp: 6277

Ion Ratio Lower Upper

112 100

64 54.3 47.9 71.9

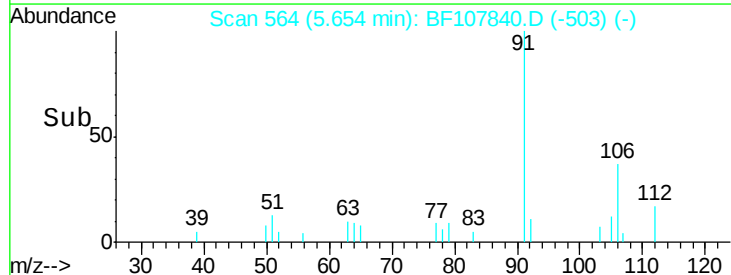
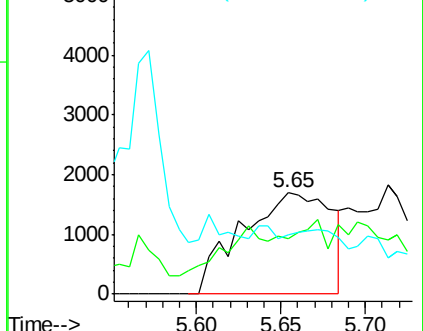
63 58.1 23.7 35.5#

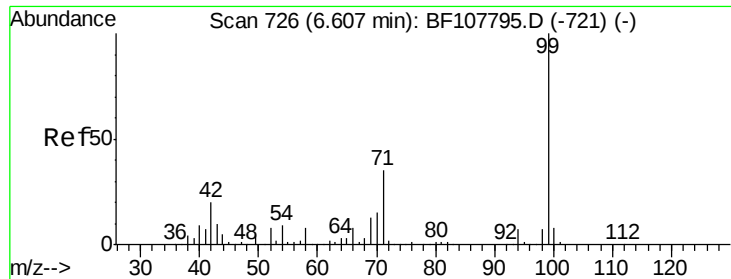


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.297 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.05 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Instrument :

BNA_F

ClientSampleId :

MW-3BDL

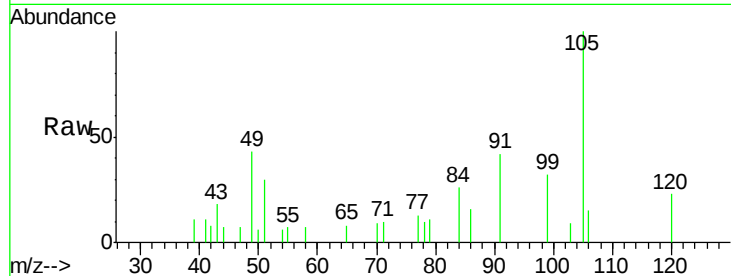
Tgt Ion: 99 Resp: 3313

Ion Ratio Lower Upper

99 100

42 25.0 14.5 21.7#

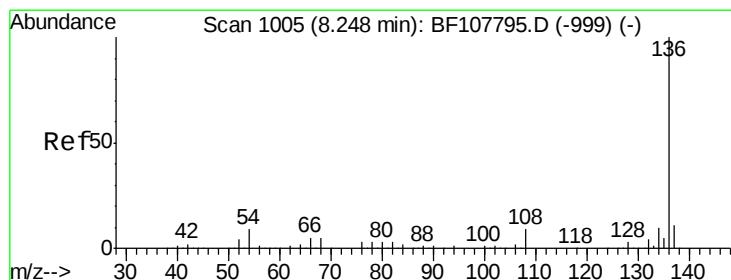
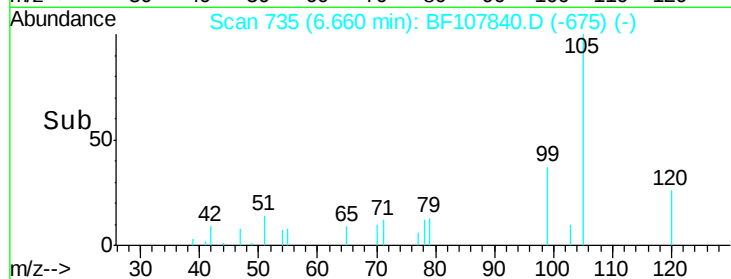
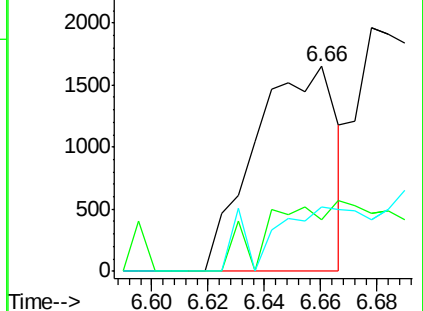
71 31.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Tgt Ion: 136 Resp: 667958

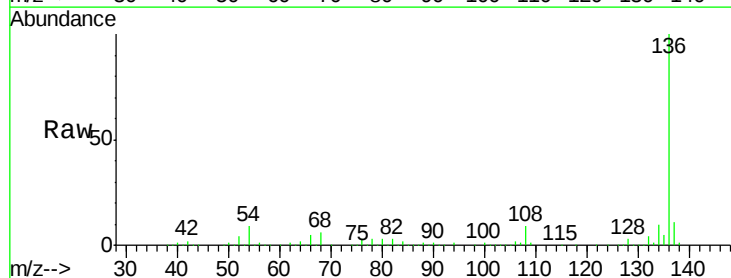
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.6 6.6 9.8

68 5.9 5.0 7.4

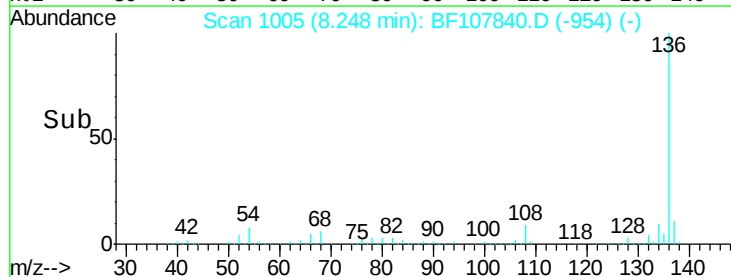
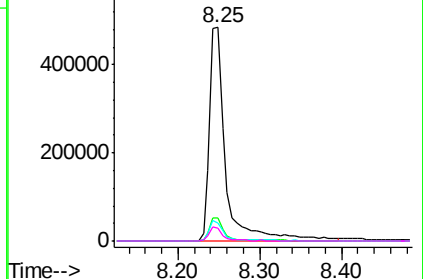


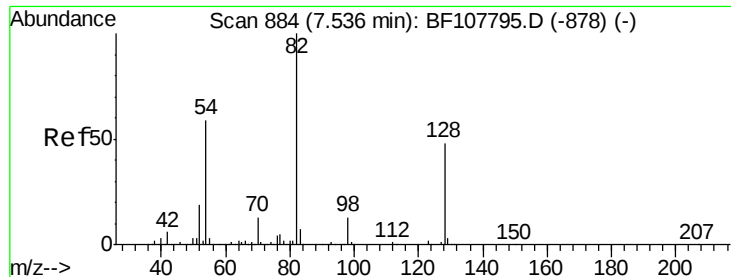
Abundance Ion 136.00 (135.70 to 136.70): E

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

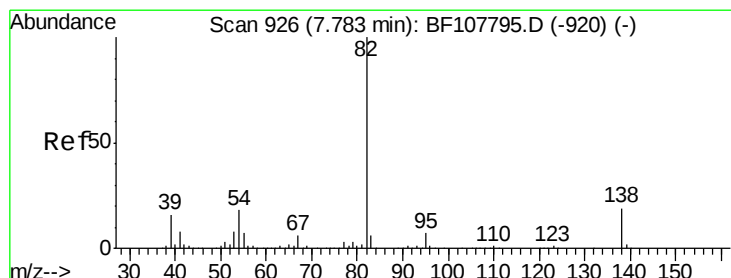
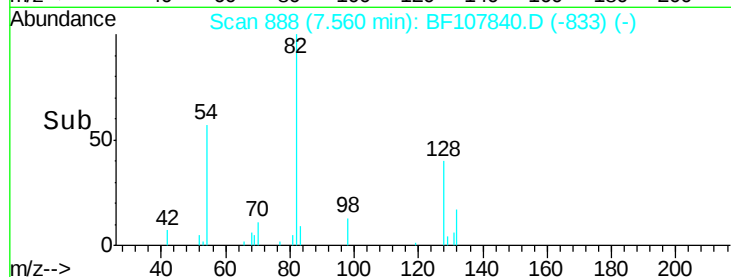
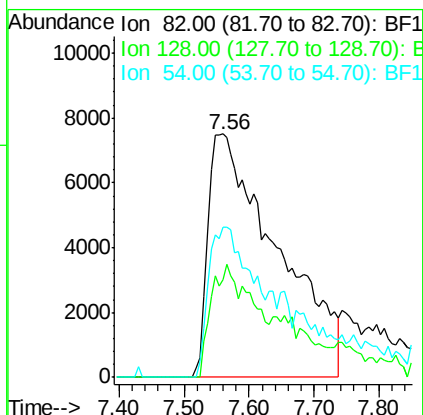
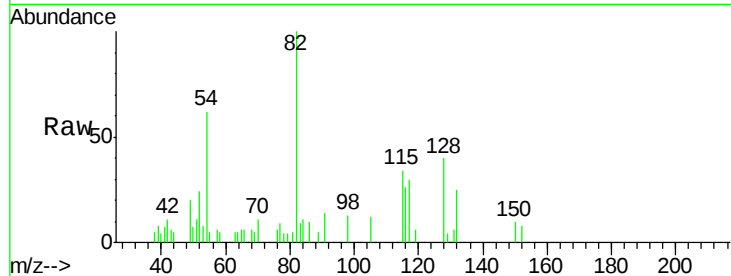




#23
 Nitrobenzene-d5
 Concen: 4.786 ng
 RT: 7.56 min Scan# 888
 Delta R.T. 0.02 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

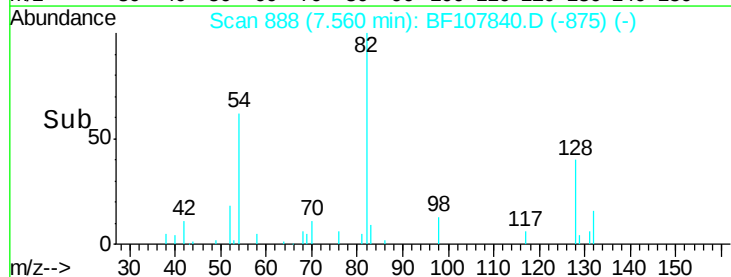
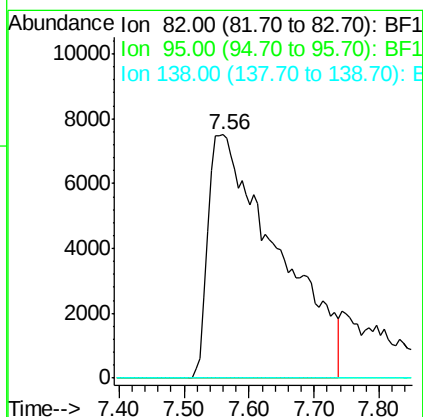
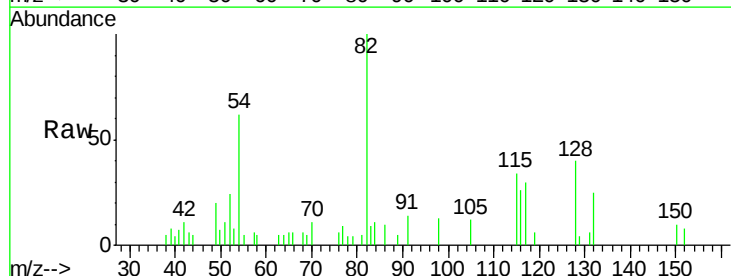
Instrument :
 BNA_F
 ClientSampleId :
 MW-3BDL

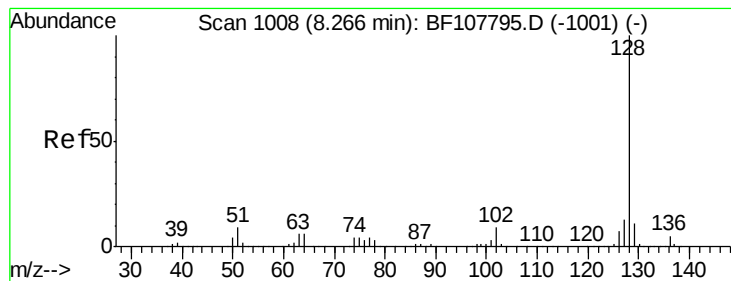
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.2	36.1	54.1
54	61.7	41.4	62.2



#25
 Isophorone
 Concen: 2.915 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.22 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

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





#31

Naphthalene

Concen: 48.706 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Instrument :

BNA_F

ClientSampleId :

MW-3BDL

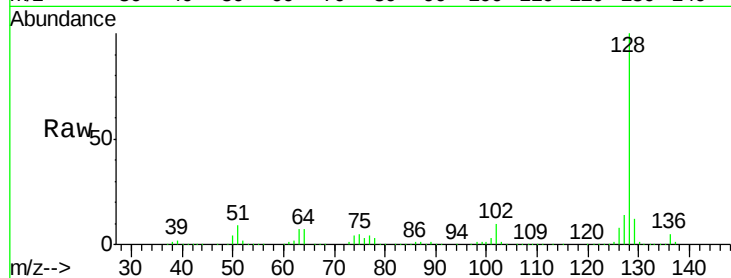
Tgt Ion:128 Resp: 1512290

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

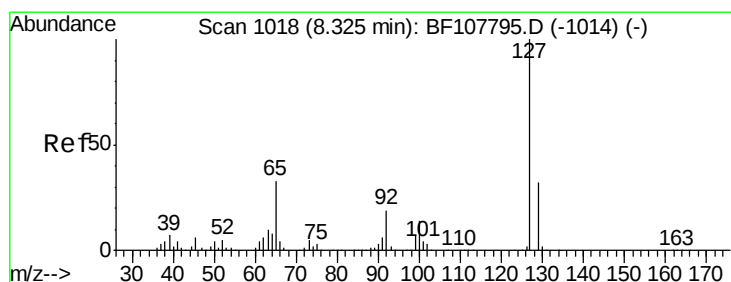
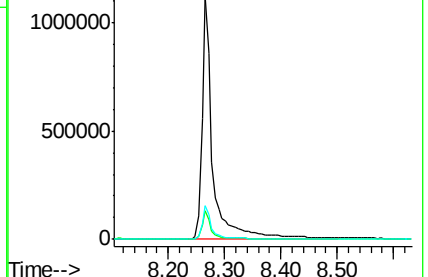
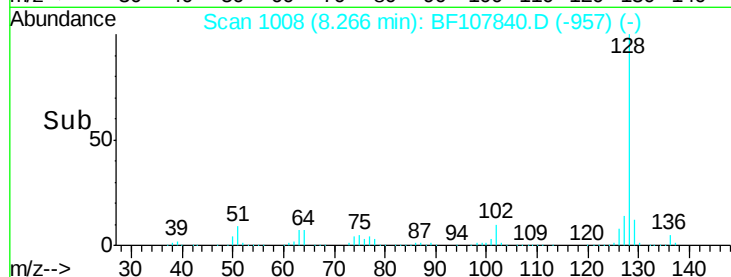
127 13.9 10.9 16.3



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



#33

4-Chloroaniline

Concen: 15.162 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.06 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Tgt Ion:127 Resp: 201092

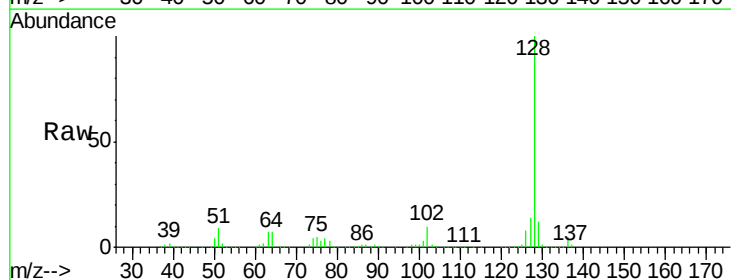
Ion Ratio Lower Upper

127 100

129 84.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

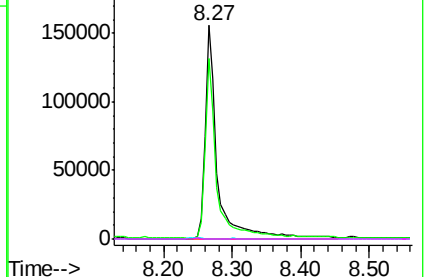
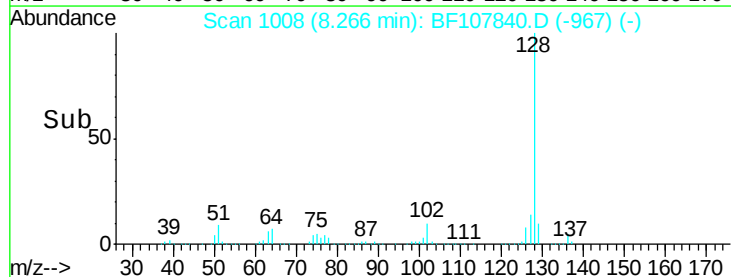


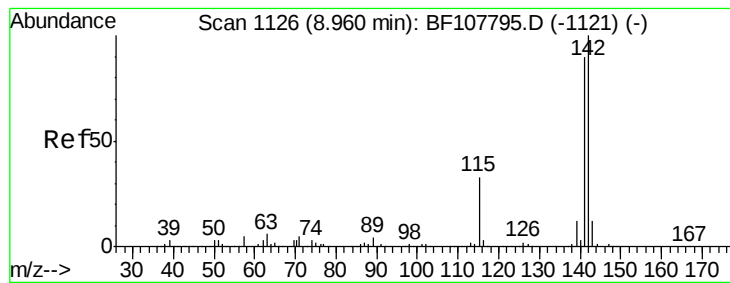
Abundance Ion 127.00 (126.70 to 127.70): E

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: 3.470 ng

RT: 9.05 min Scan# 1142

Delta R.T. 0.09 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

Instrument :

BNA_F

ClientSampleId :

MW-3BDL

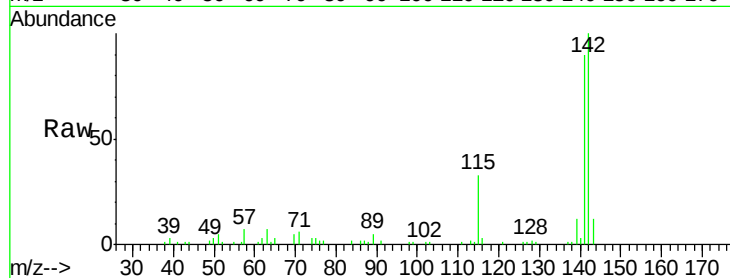
Tgt Ion:142 Resp: 67678

Ion Ratio Lower Upper

142 100

141 89.6 70.8 106.2

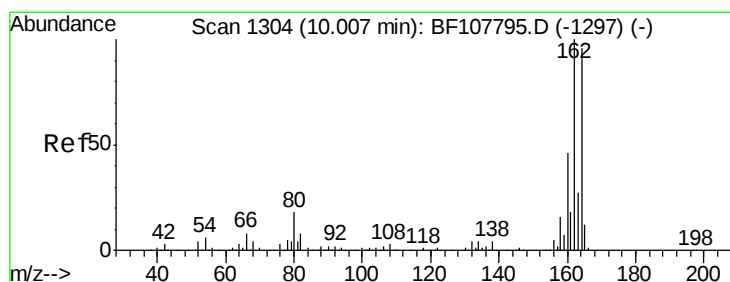
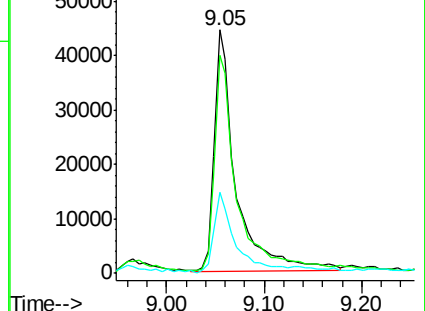
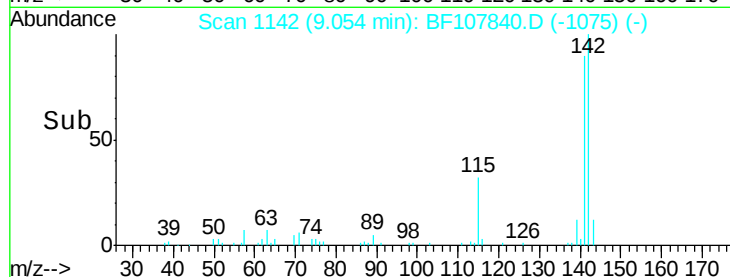
115 33.2 26.1 39.1



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. -0.01 min

Lab File: BF107840.D

Acq: 31 Jul 2018 9:44

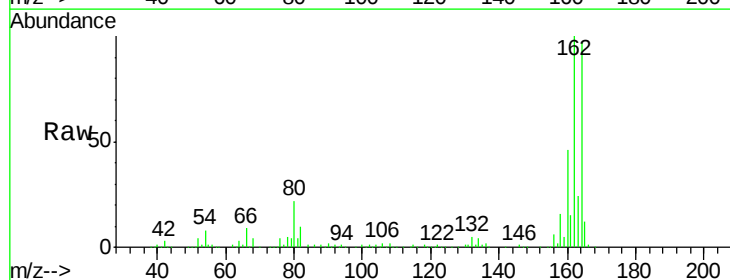
Tgt Ion:164 Resp: 272650

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

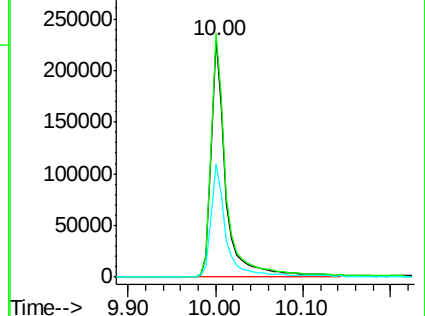
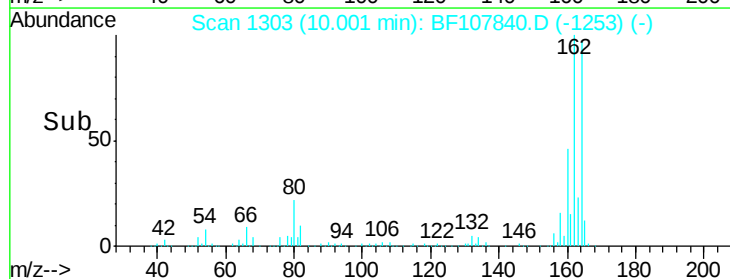
160 47.5 38.3 57.5

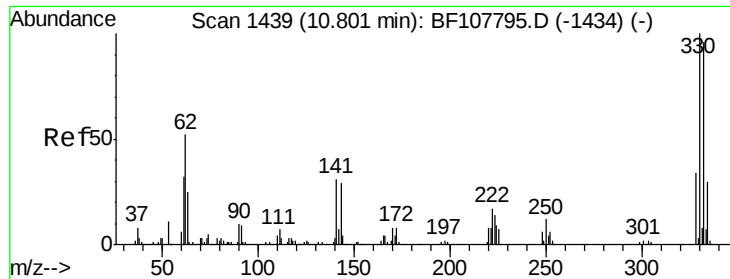


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

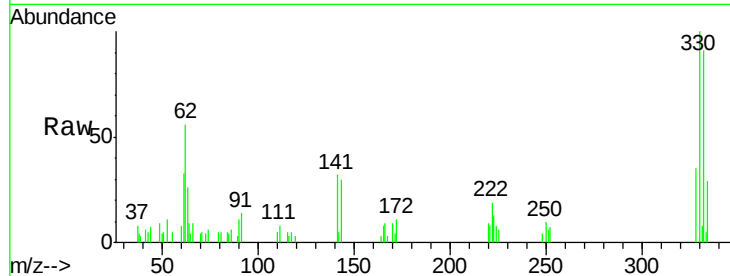




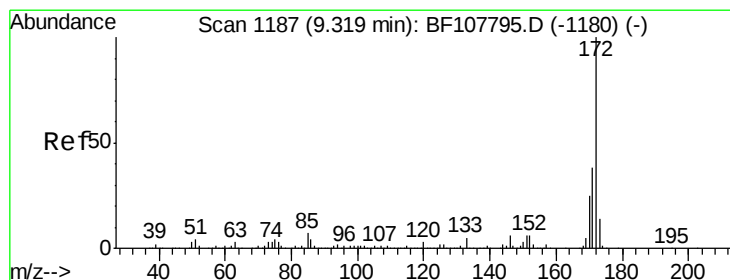
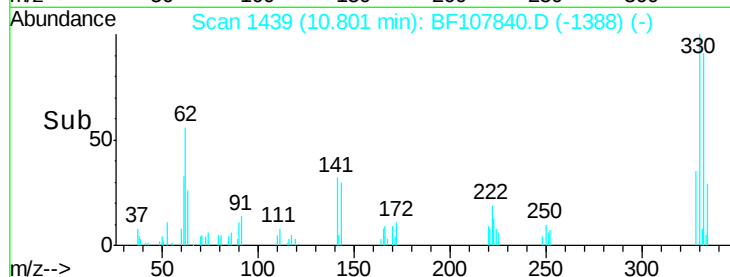
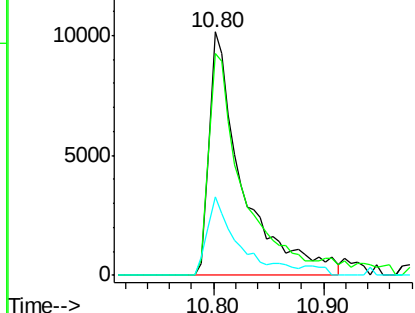
#41
 2,4,6-Tribromophenol
 Concen: 5.657 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

Instrument :
 BNA_F
 ClientSampleId :
 MW-3BDL

Tgt Ion: 330 Resp: 20959
 Ion Ratio Lower Upper
 330 100
 332 92.8 77.0 115.6
 141 26.7 29.9 44.9#

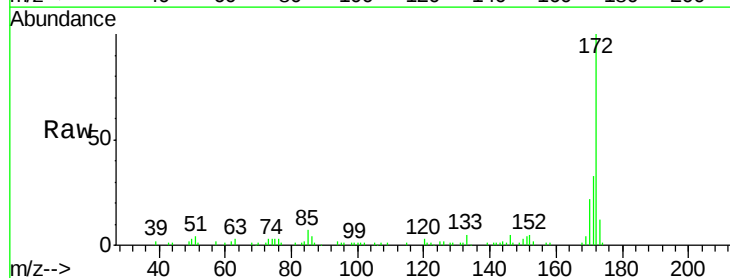


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

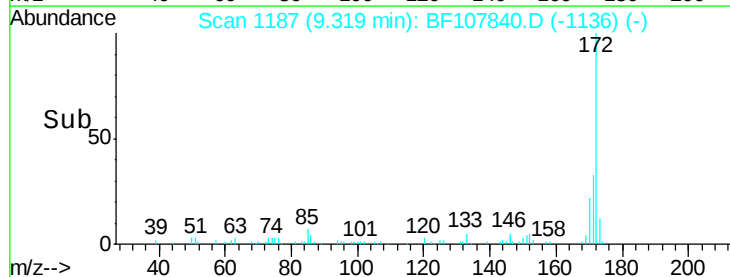
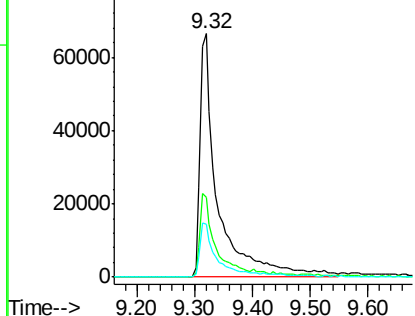


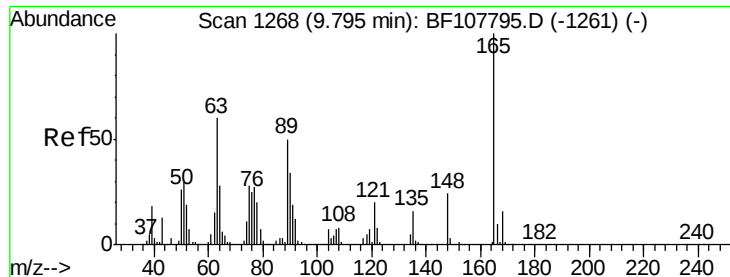
#44
 2-Fluorobiphenyl
 Concen: 7.401 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

Tgt Ion: 172 Resp: 144810
 Ion Ratio Lower Upper
 172 100
 171 32.7 29.7 44.5
 170 21.8 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

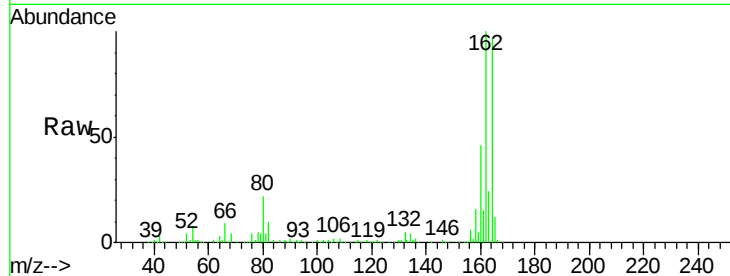




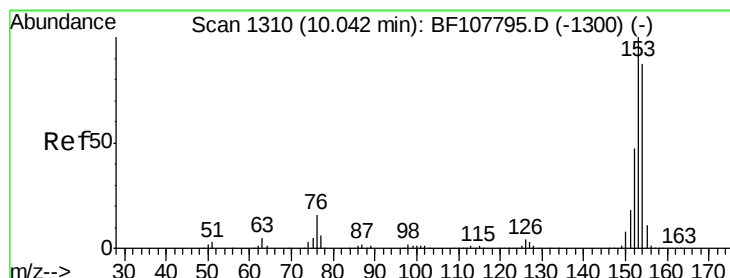
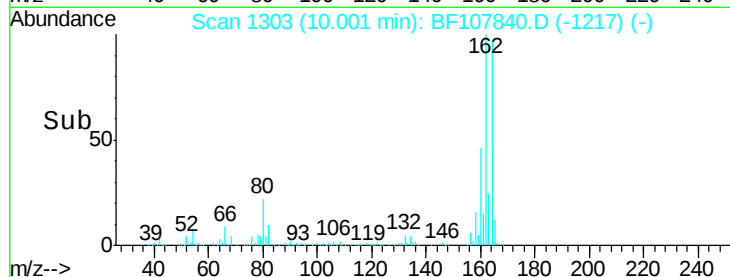
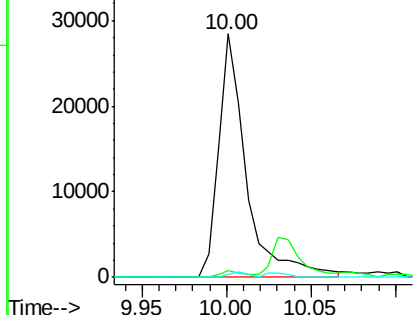
#50
2,6-Dinitrotoluene
Concen: 7.376 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Instrument :
BNA_F
ClientSampleId :
MW-3BDL

Tgt Ion:165 Resp: 32821
Ion Ratio Lower Upper
165 100
63 2.6 44.7 67.1#
89 1.3 44.0 66.0#

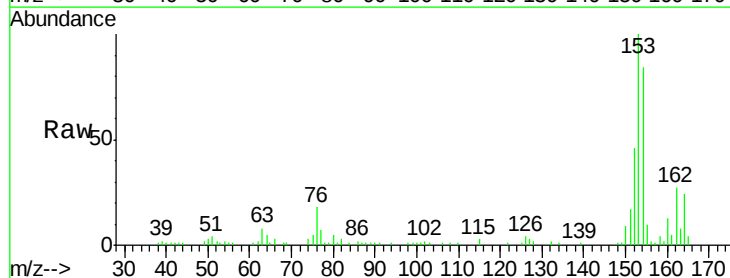


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

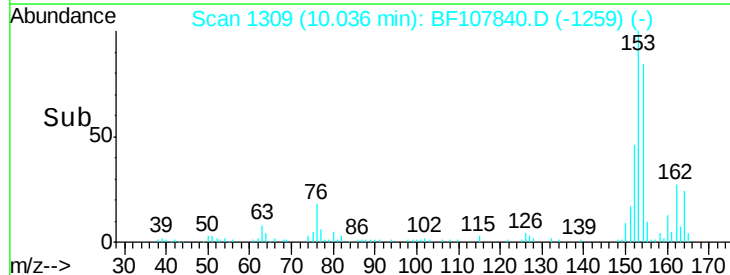
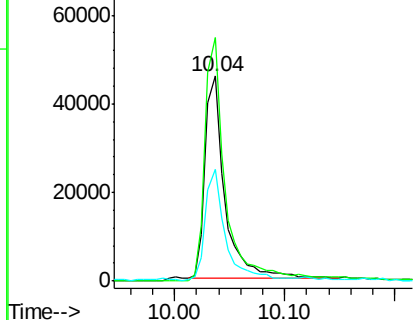


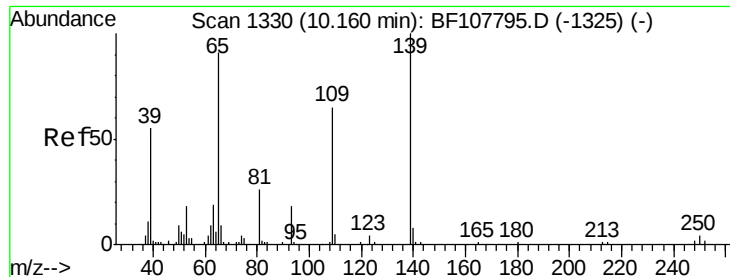
#51
Acenaphthene
Concen: 3.337 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Tgt Ion:154 Resp: 56223
Ion Ratio Lower Upper
154 100
153 118.9 91.2 136.8
152 54.9 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

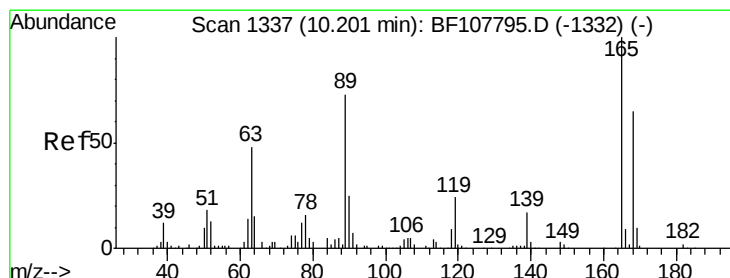
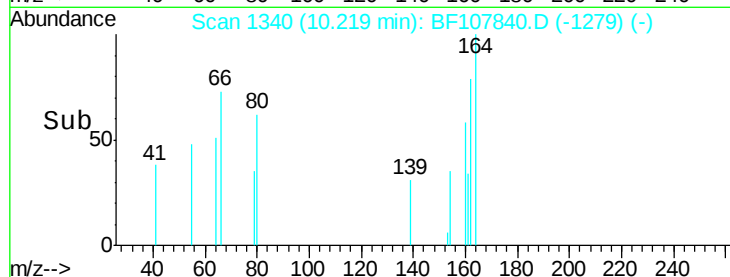
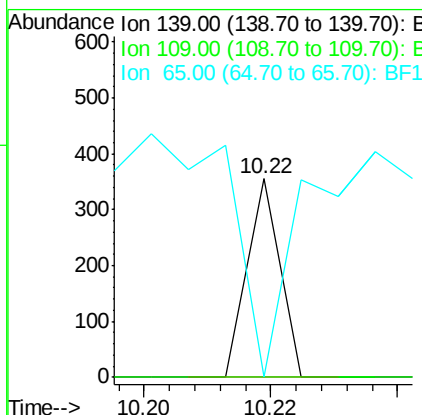
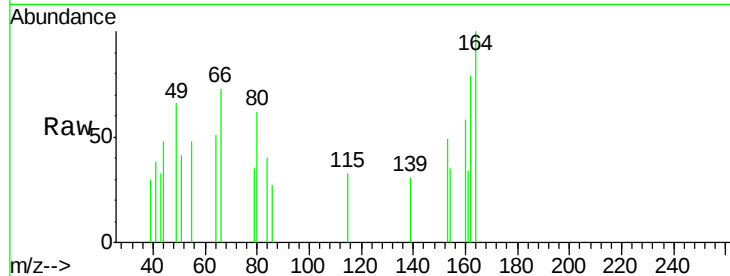




#55
4-Nitrophenol
Concen: 9.354 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

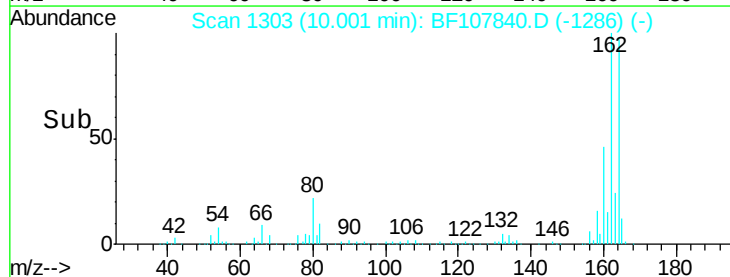
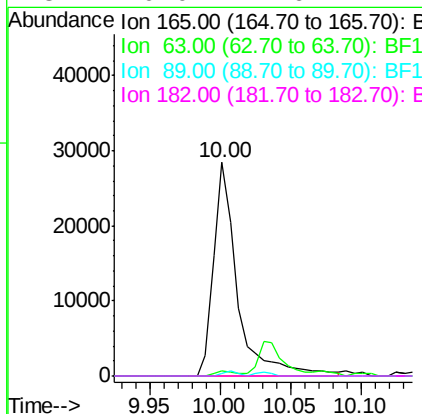
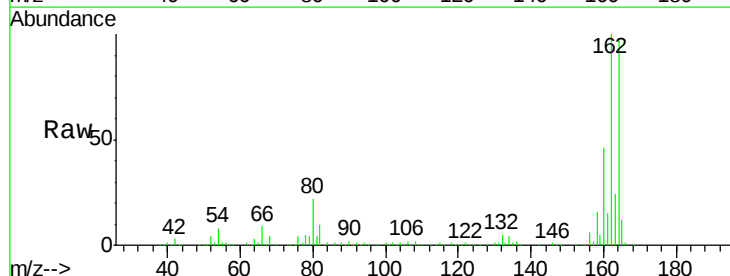
Instrument :
BNA_F
ClientSampleId :
MW-3BDL

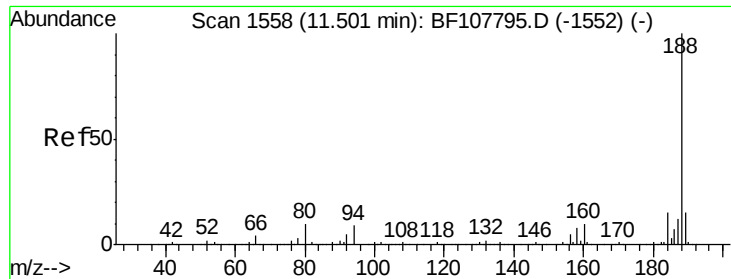
Tgt Ion:139 Resp: 125
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.716 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Tgt Ion:165 Resp: 33433
Ion Ratio Lower Upper
165 100
63 2.6 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#

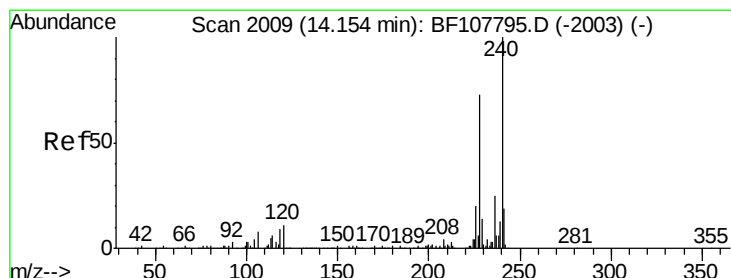
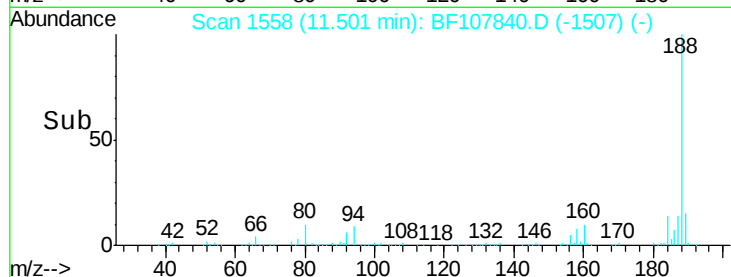
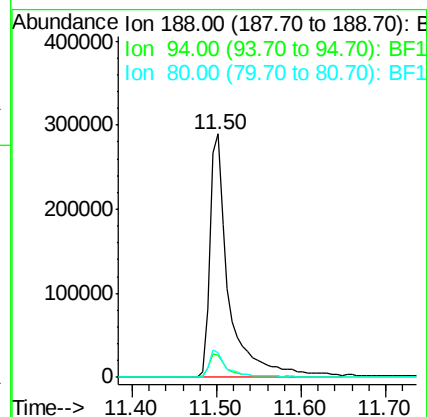
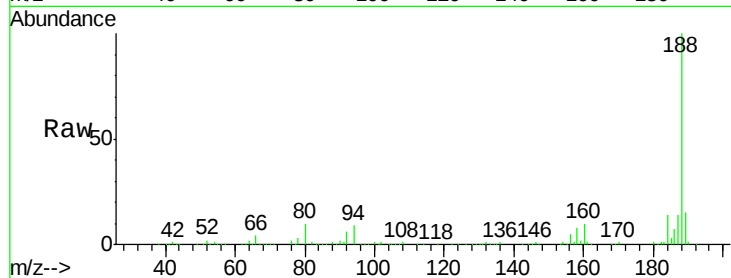




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

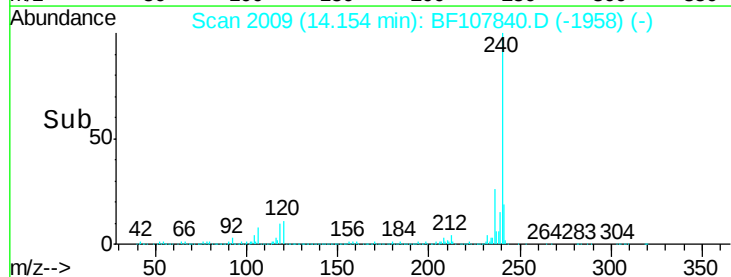
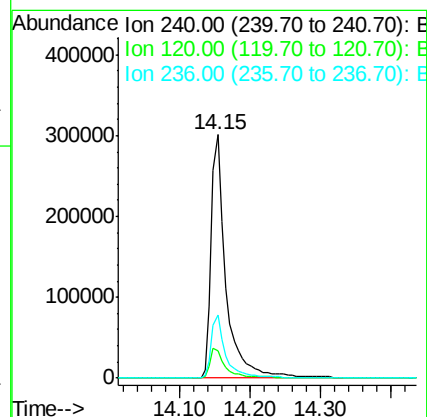
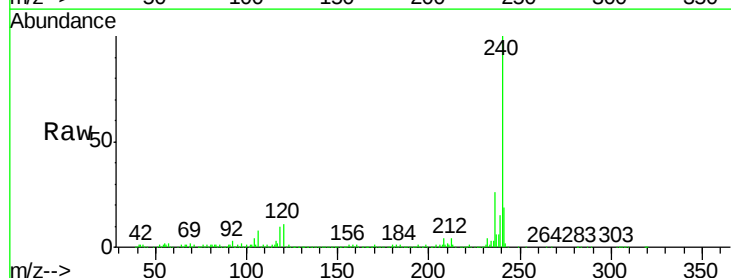
Instrument :
BNA_F
ClientSampleId :
MW-3BDL

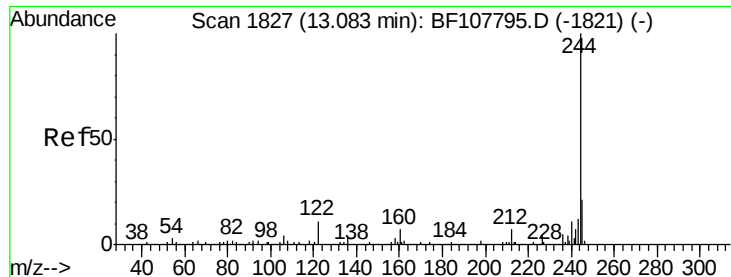
Tgt Ion:188 Resp: 455380
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.2 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107840.D
Acq: 31 Jul 2018 9:44

Tgt Ion:240 Resp: 441078
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 26.1 20.7 31.1

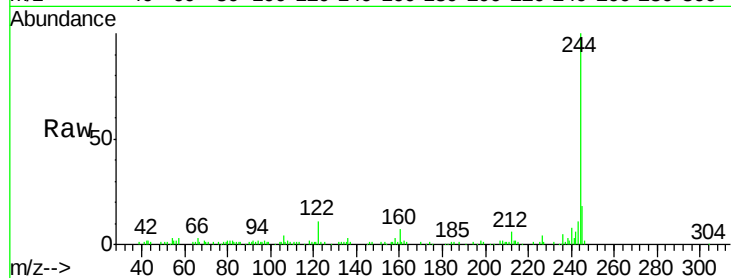




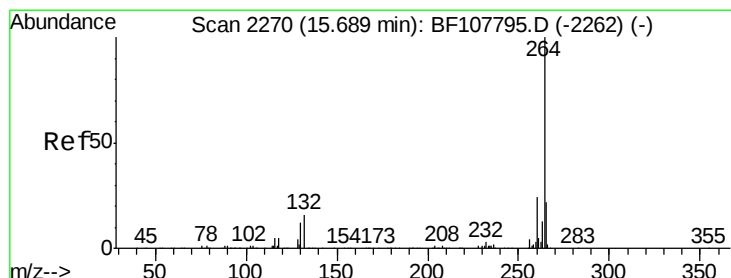
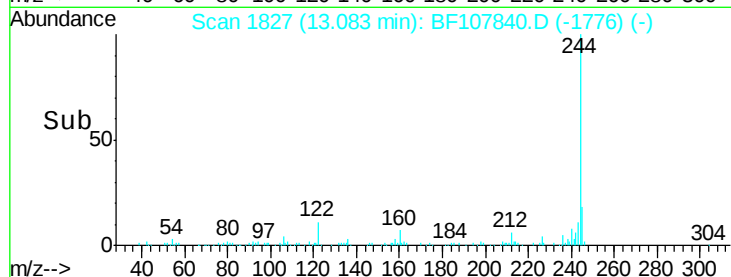
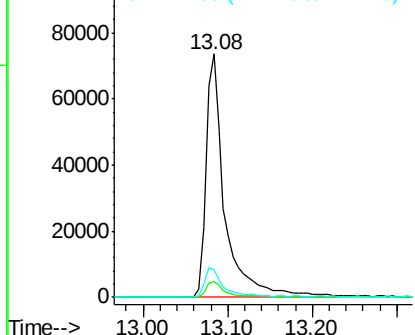
#78
 Terphenyl-d14
 Concen: 5.608 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

Instrument :
 BNA_F
 ClientSampleId :
 MW-3BDL

Tgt Ion:244 Resp: 114068
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.4 11.0 16.4

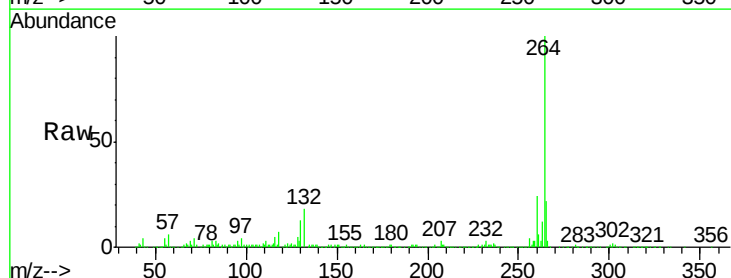


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF107840.D
 Acq: 31 Jul 2018 9:44

Tgt Ion:264 Resp: 394692
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.1 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

