

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
 Data File : BF107842.D
 Acq On : 31 Jul 2018 10:37
 Operator : JU/SJ
 Sample : J4184-07DL2 100X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL2

Quant Time: Jul 31 11:57:58 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	118152	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	616326	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	252004	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	418127	20.00	ng	0.00
75) Chrysene-d12	14.15	240	395719	20.00	ng	0.00
86) Perylene-d12	15.69	264	333778	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.76	99	129	0.01	ng	0.15
23) Nitrobenzene-d5	7.57	82	1520	0.14	ng	0.04
41) 2,4,6-Tribromophenol	10.81	330	2125	0.62	ng	0.01
44) 2-Fluorobiphenyl	9.32	172	21583	1.19	ng	0.00
78) Terphenyl-d14	13.08	244	19408	1.06	ng	0.00

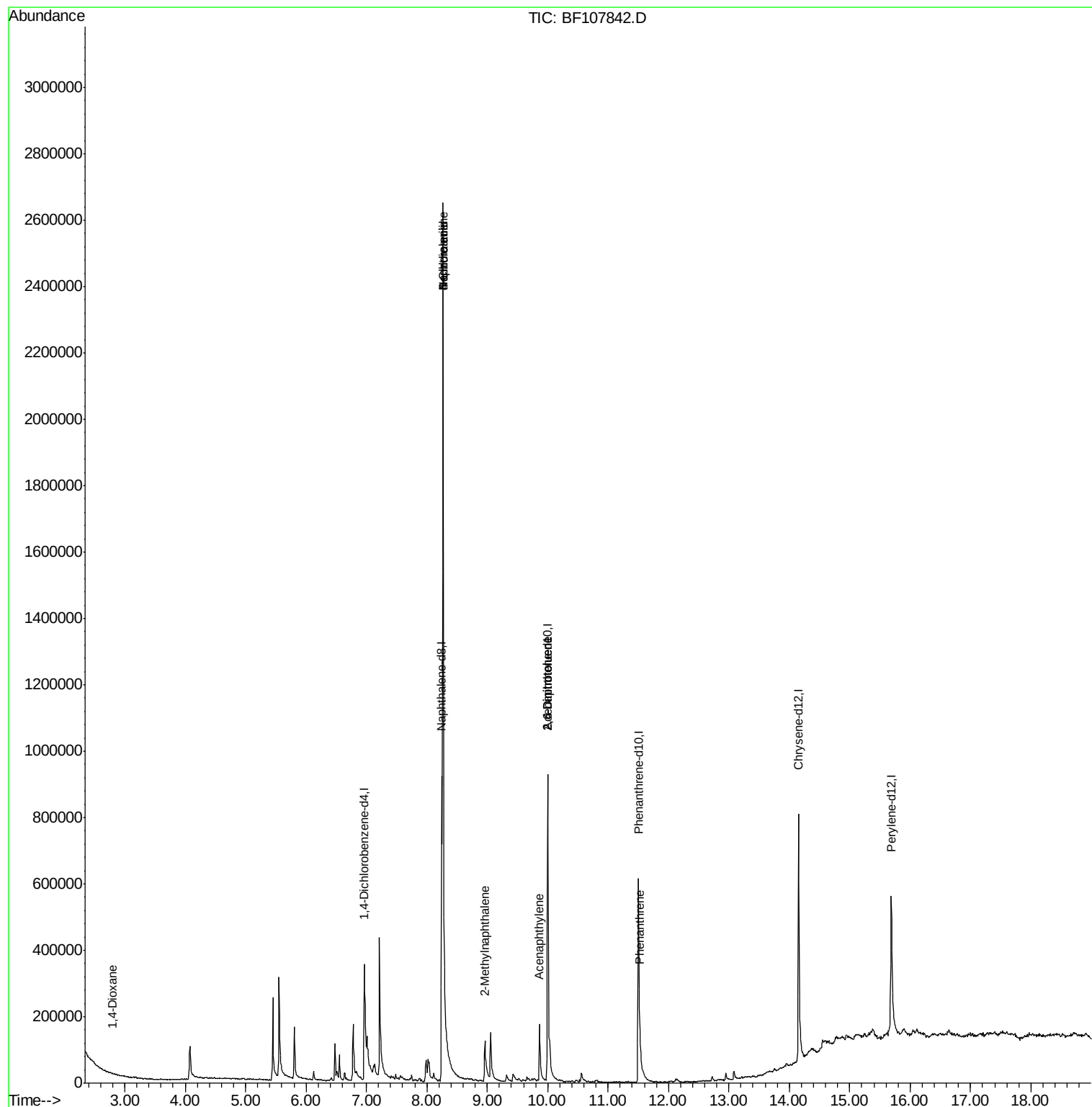
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.80	88	152	5.834	ng	# 1
31) Naphthalene	8.27	128	1641526	57.297	ng	99
32) Benzoic acid	8.27	122	3450	2.171	ng	# 1
33) 4-Chloroaniline	8.27	127	212997	17.406	ng	# 33
37) 2-Methylnaphthalene	8.96	142	76724	4.263	ng	99
48) Acenaphthylene	9.87	152	125443	4.679	ng	98
50) 2,6-Dinitrotoluene	10.00	165	30338	7.376	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	33287	6.158	ng	# 24
70) Phenanthrene	11.52	178	45441	2.289	ng	99

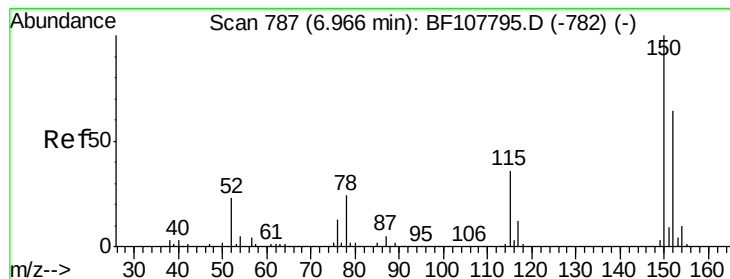
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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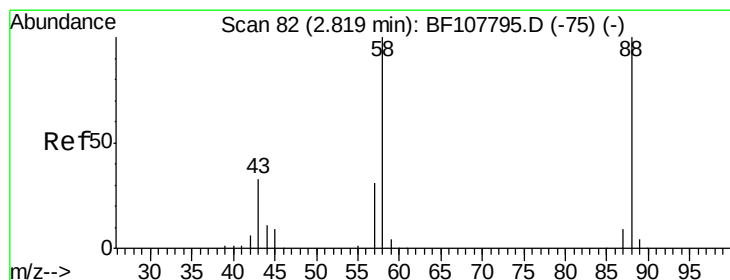
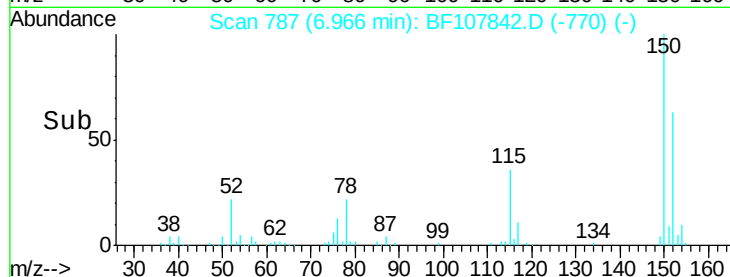
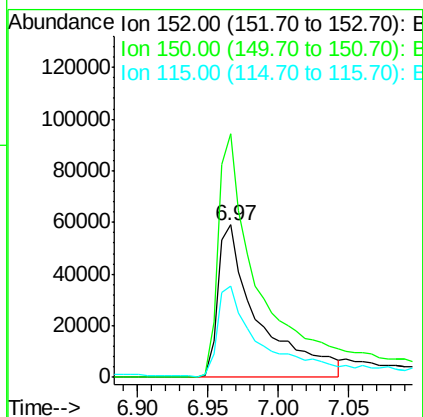
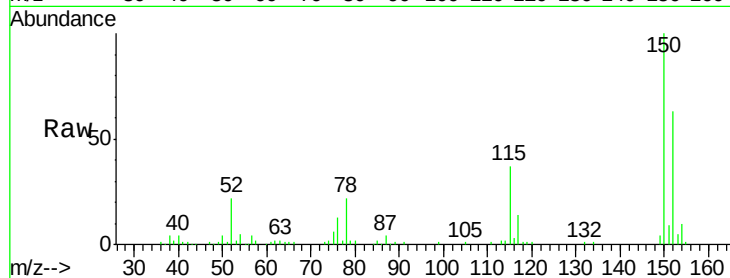


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

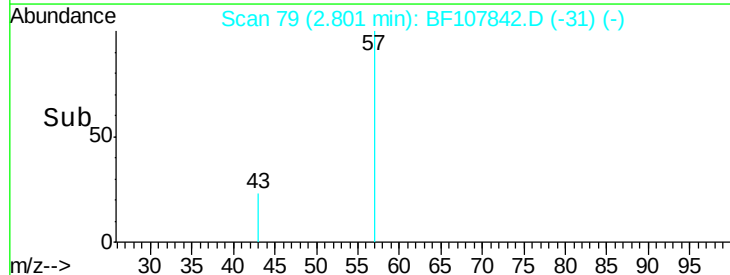
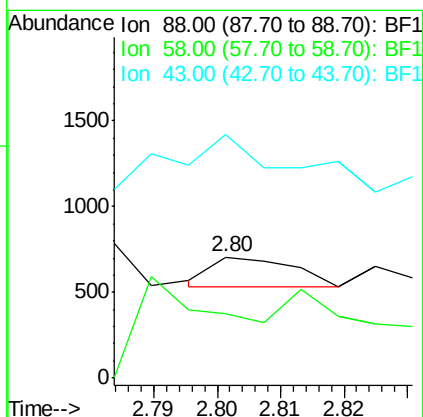
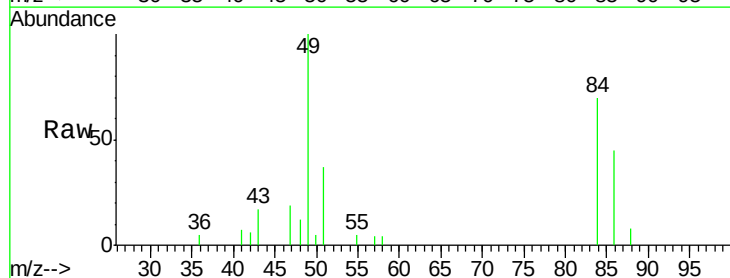
Tgt Ion:152 Resp: 118152
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 59.5 50.1 75.1

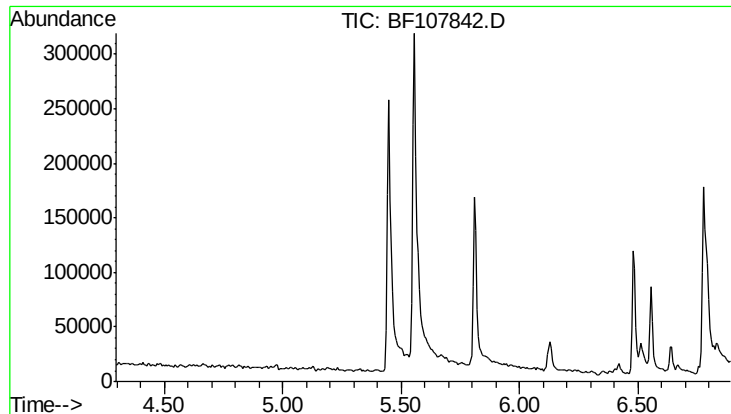


#2

1,4-Dioxane
Concen: 5.834 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 522.4 24.6 37.0#





#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.59 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

Instrument :

BNA_F

ClientSampleId :

MW-2BDL2

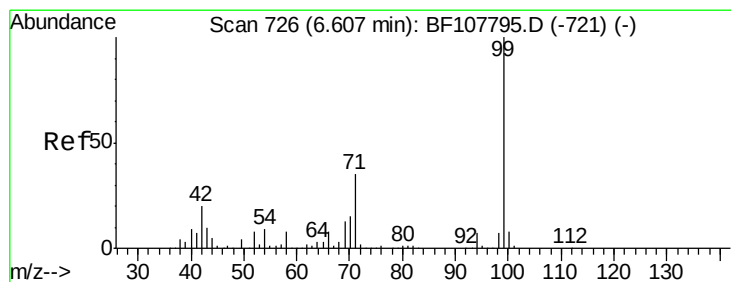
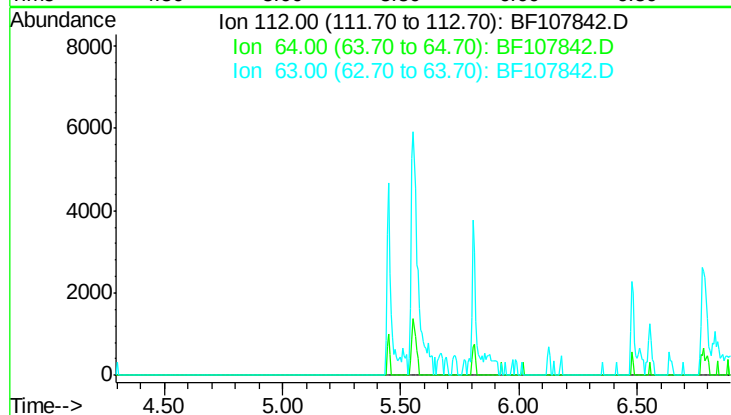
Tgt Ion: 112

Sig Exp Ratio

112 100

64 59.9

63 29.6



#7

Phenol-d6

Concen: 0.014 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

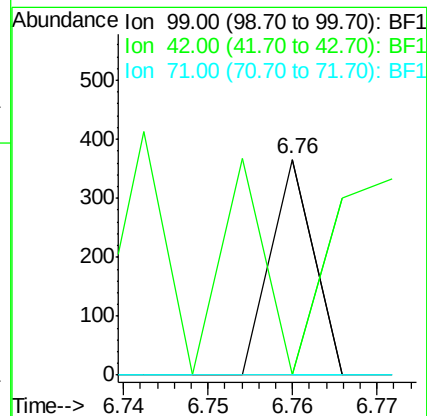
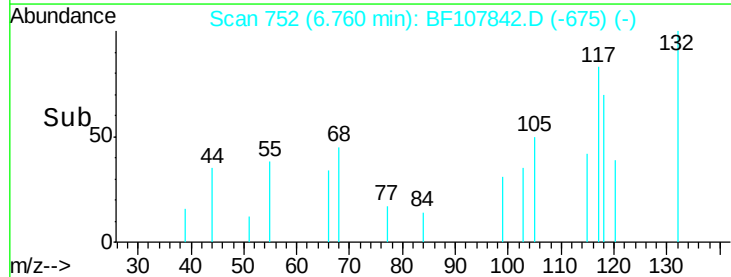
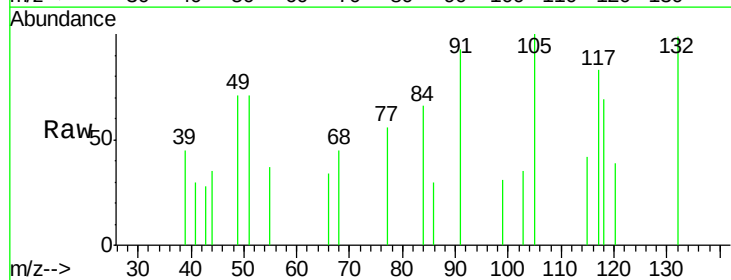
Tgt Ion: 99 Resp: 129

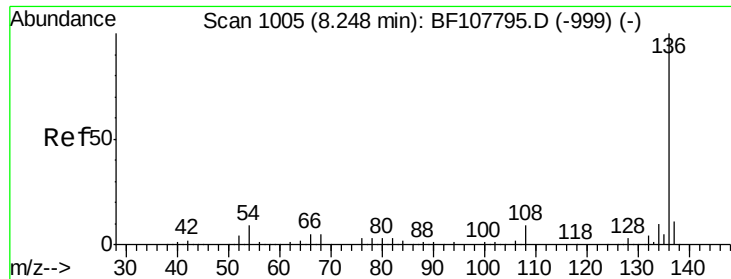
Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

71 0.0 25.4 38.0#

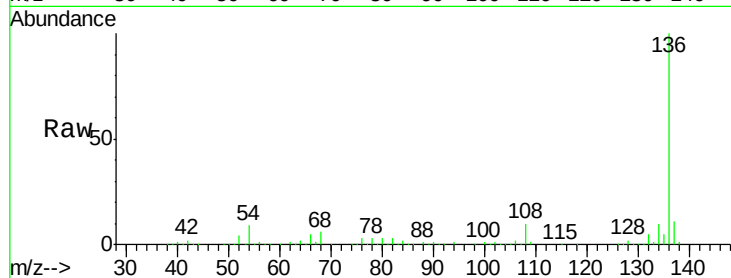




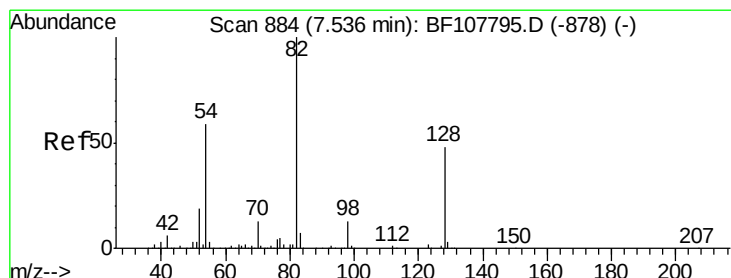
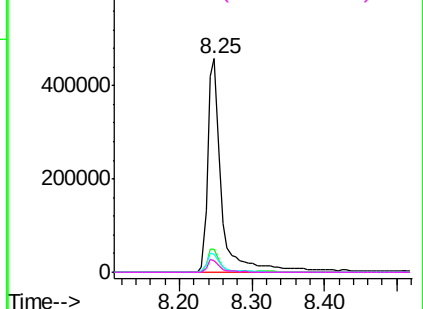
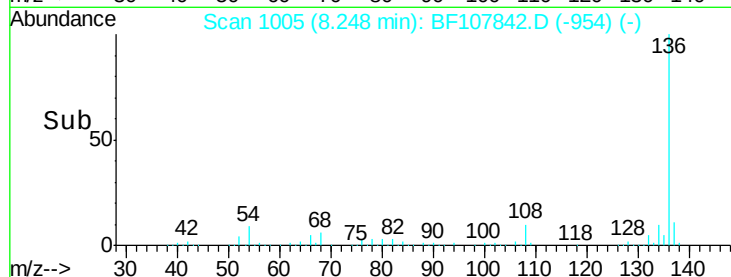
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

Tgt Ion:	136	Resp:	616326
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	6.6	9.8
68	5.7	5.0	7.4

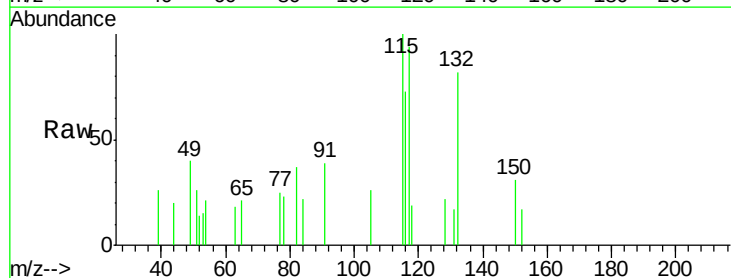


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

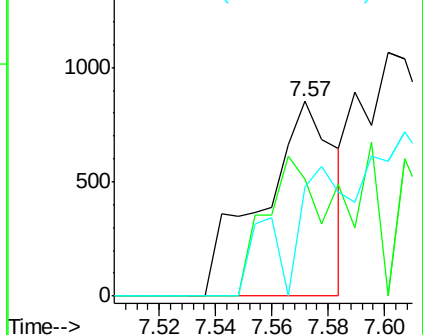
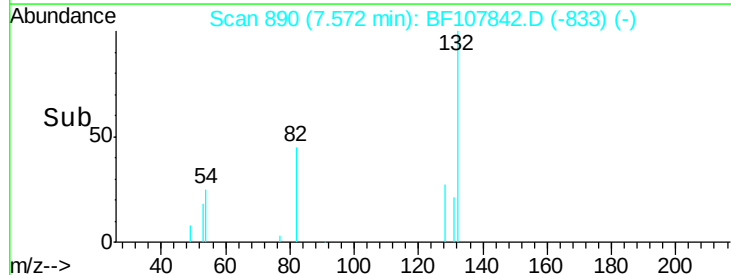


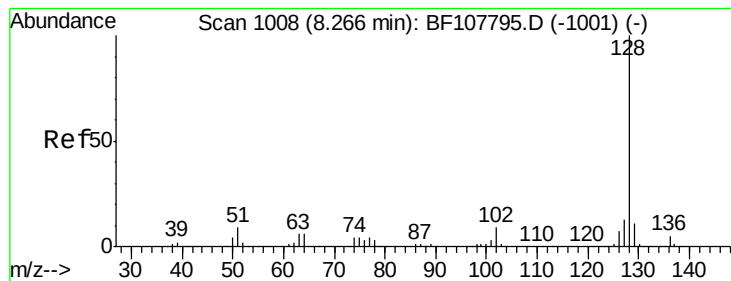
#23
Nitrobenzene-d5
Concen: 0.142 ng
RT: 7.57 min Scan# 890
Delta R.T. 0.04 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Tgt Ion:	82	Resp:	1520
Ion	Ratio	Lower	Upper
82	100		
128	59.9	36.1	54.1#
54	56.2	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





#31

Naphthalene

Concen: 57.297 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

Instrument :

BNA_F

ClientSampleId :

MW-2BDL2

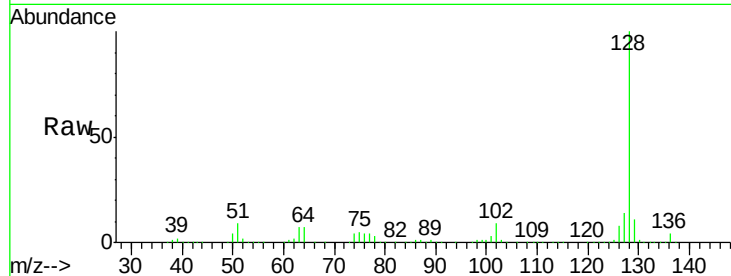
Tgt Ion:128 Resp: 1641526

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

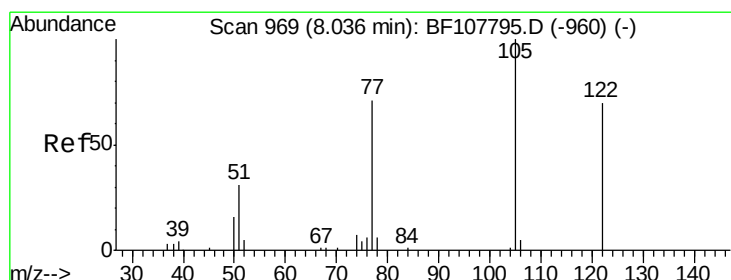
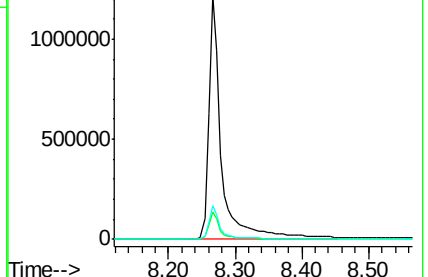
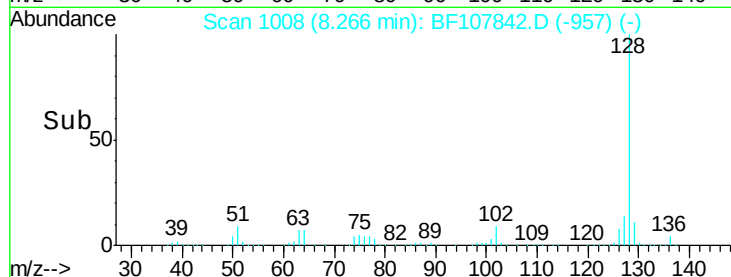
127 13.6 10.9 16.3



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: 2.171 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.23 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

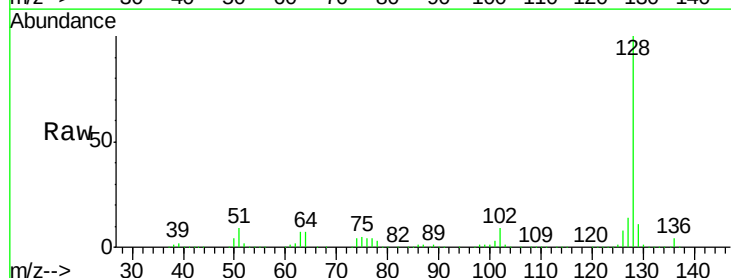
Tgt Ion:122 Resp: 3450

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

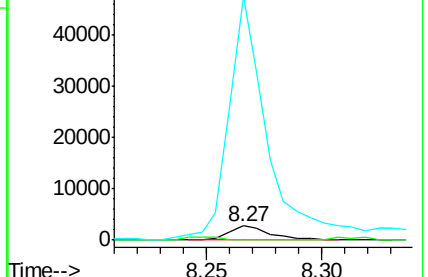
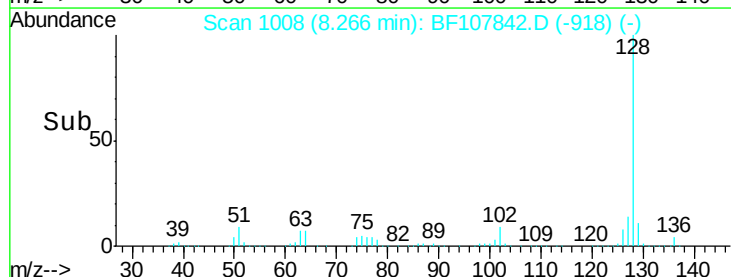
77 1746.2 70.7 110.7#

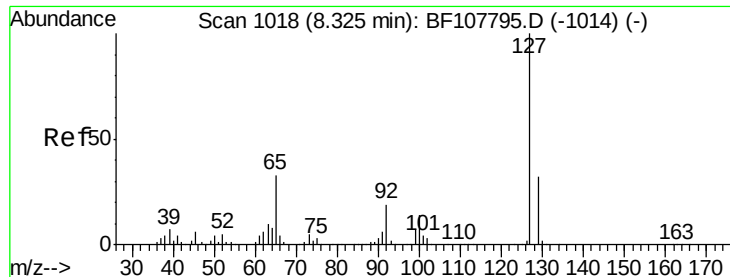


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

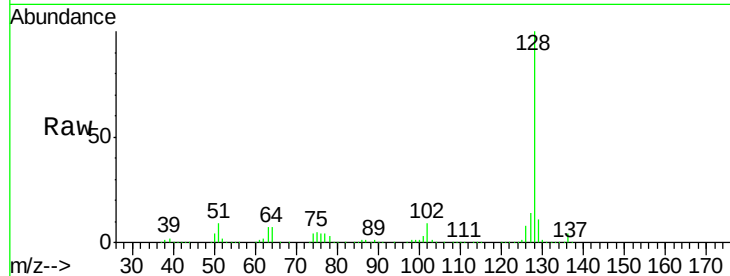




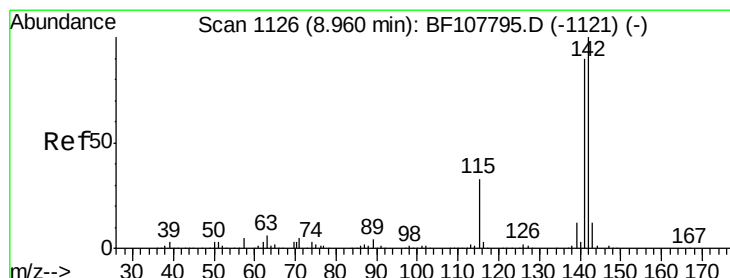
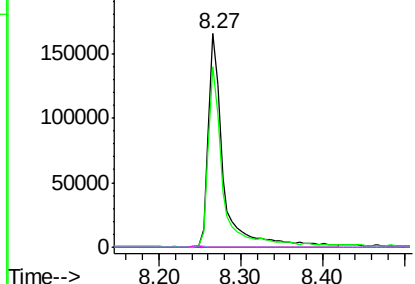
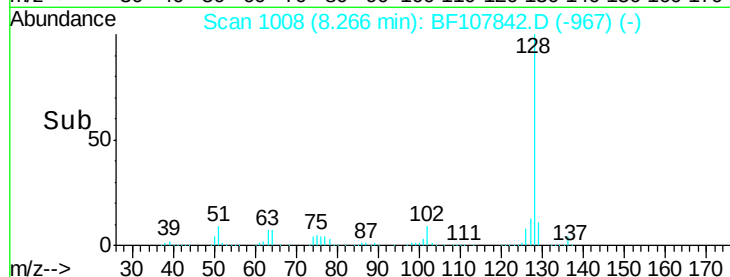
#33
4-Chloroaniline
Concen: 17.406 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

Tgt Ion:	127	Resp:	212997
Ion	Ratio	Lower	Upper
127	100		
129	84.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

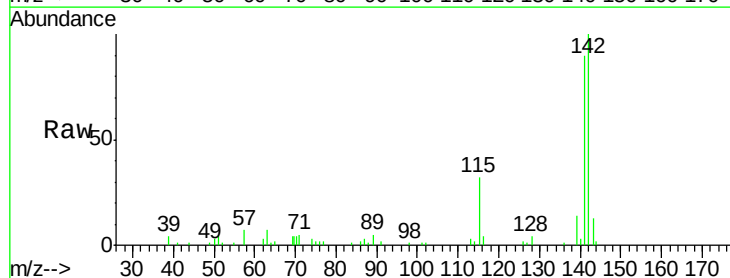


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

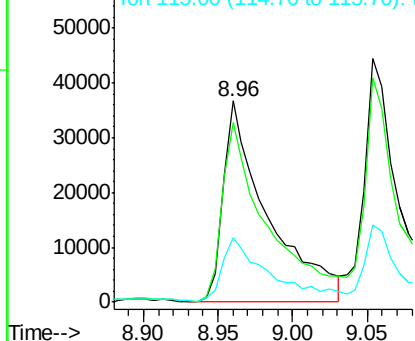
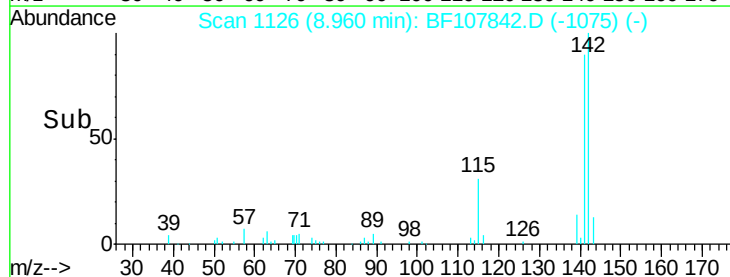


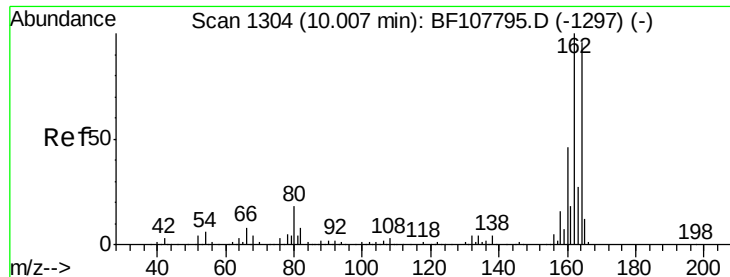
#37
2-Methylnaphthalene
Concen: 4.263 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Tgt Ion:	142	Resp:	76724
Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	32.0	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: BF107842.D

Acq: 31 Jul 2018 10:37

Instrument :

BNA_F

ClientSampleId :

MW-2BDL2

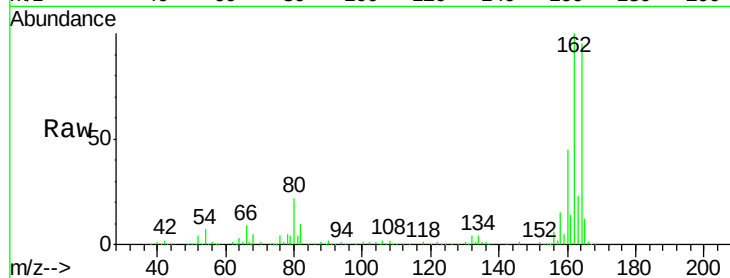
Tgt Ion:164 Resp: 252004

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

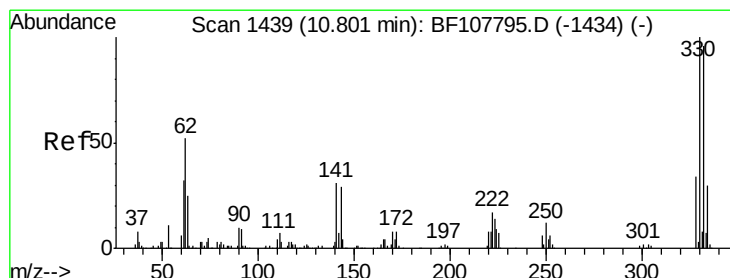
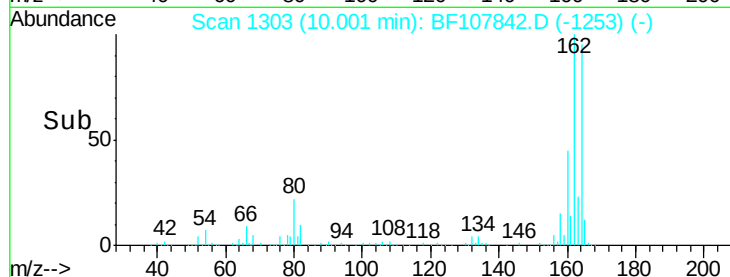
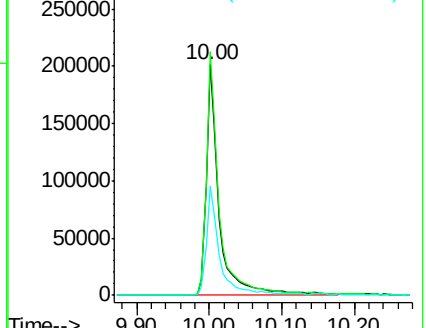
160 47.6 38.3 57.5



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: 0.621 ng

RT: 10.81 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

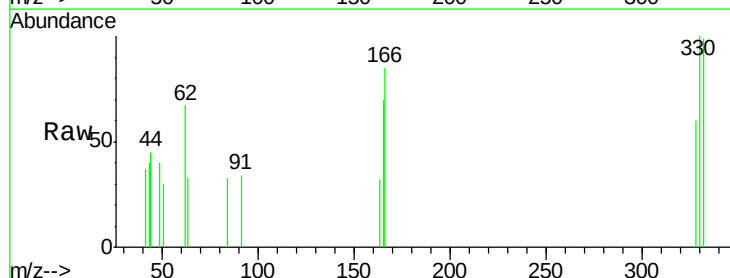
Tgt Ion:330 Resp: 2125

Ion Ratio Lower Upper

330 100

332 75.4 77.0 115.6#

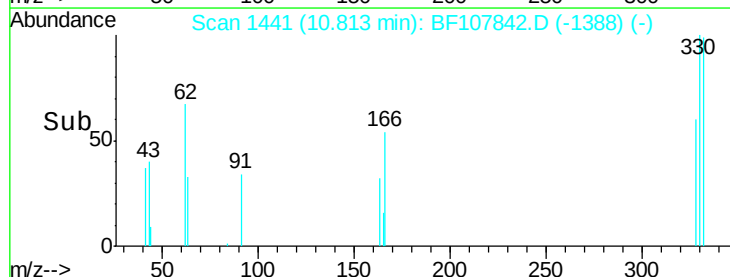
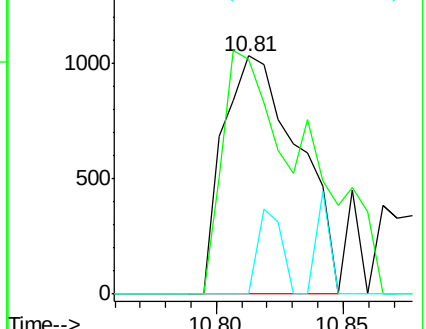
141 11.3 29.9 44.9#

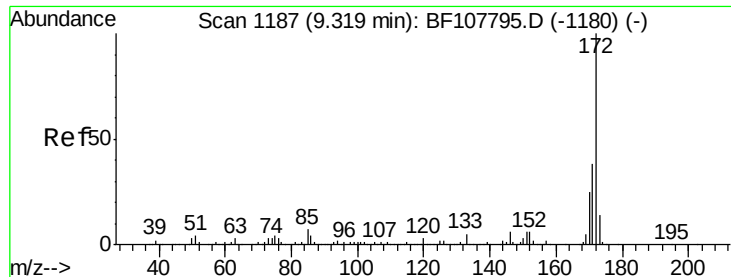


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

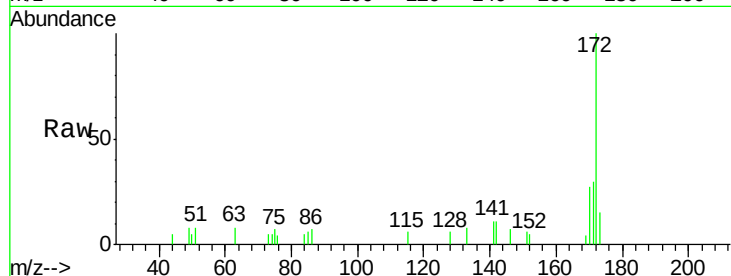




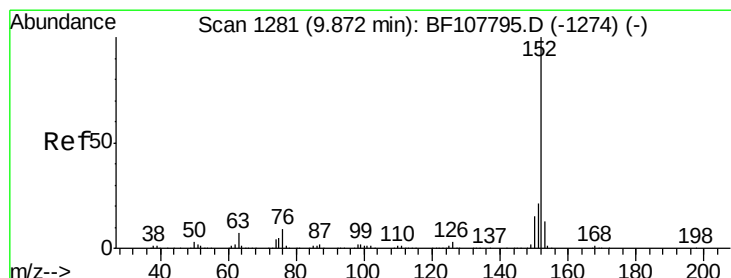
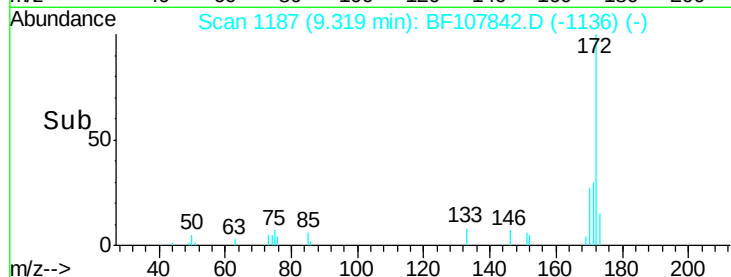
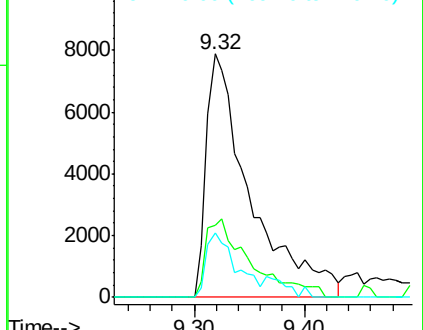
#44
2-Fluorobiphenyl
Concen: 1.193 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

Tgt Ion:172 Resp: 21583
Ion Ratio Lower Upper
172 100
171 29.7 29.7 44.5
170 26.6 19.6 29.4

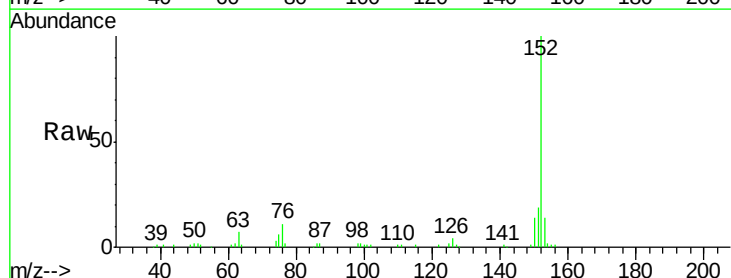


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

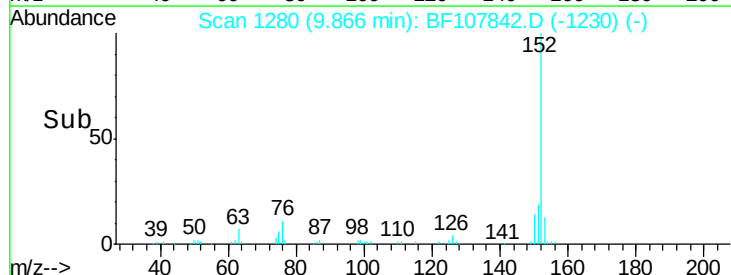
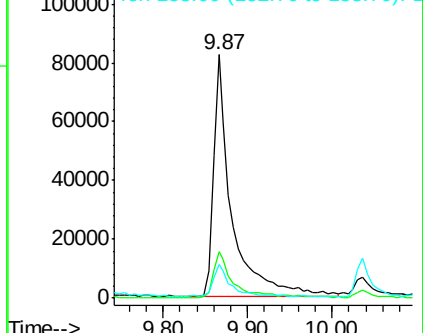


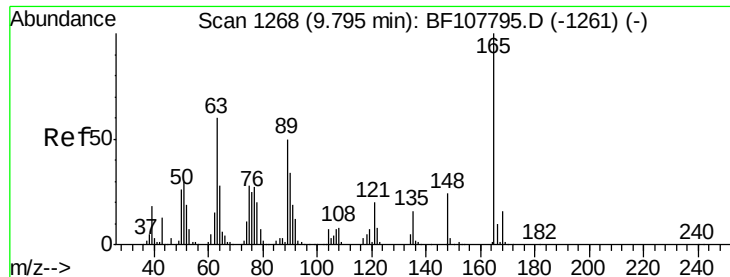
#48
Acenaphthylene
Concen: 4.679 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Tgt Ion:152 Resp: 125443
Ion Ratio Lower Upper
152 100
151 19.2 16.3 24.5
153 13.9 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

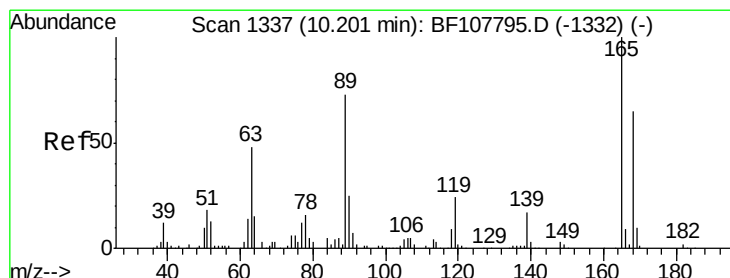
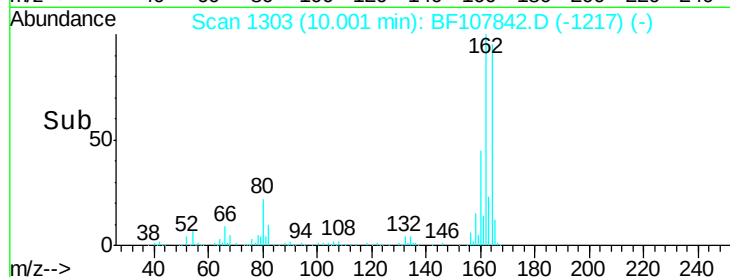
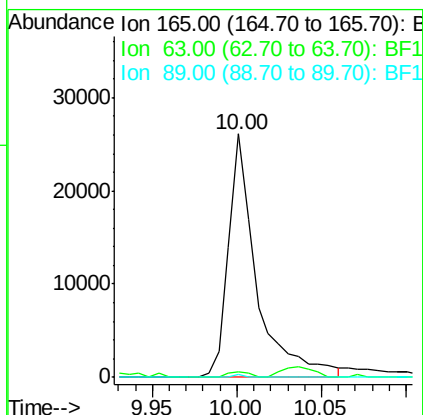
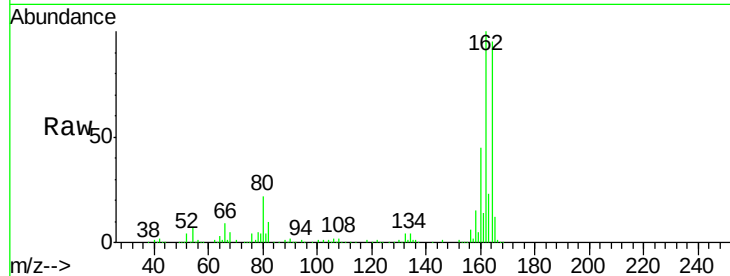




#50
 2,6-Dinitrotoluene
 Concen: 7.376 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107842.D
 Acq: 31 Jul 2018 10:37

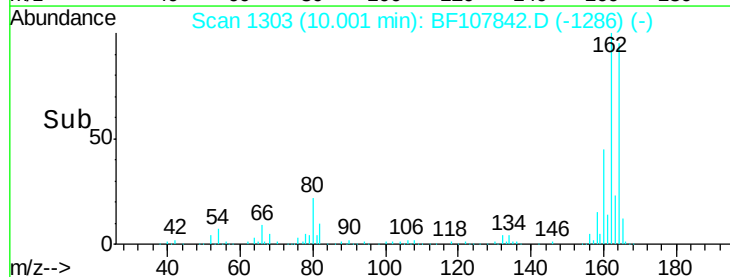
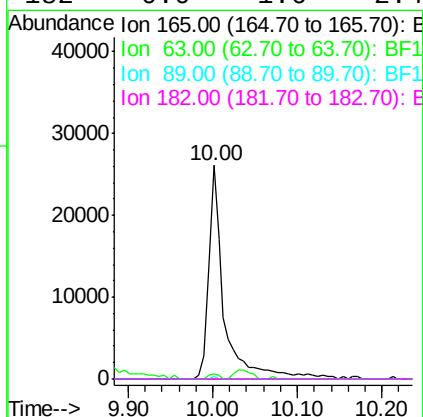
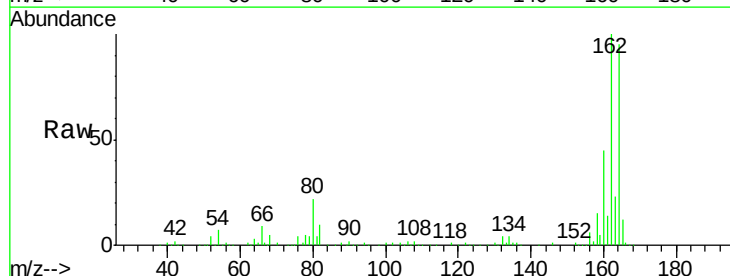
Instrument :
 BNA_F
 ClientSampleId :
 MW-2BDL2

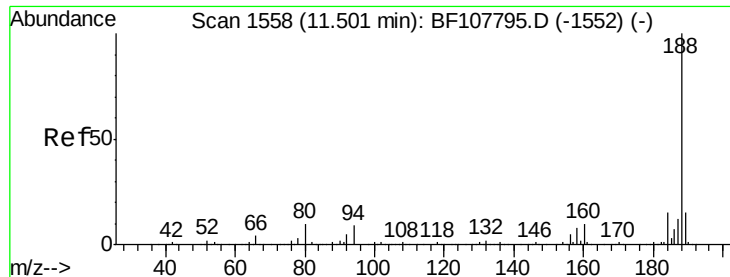
Tgt Ion:165 Resp: 30338
 Ion Ratio Lower Upper
 165 100
 63 2.2 44.7 67.1#
 89 1.3 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.158 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107842.D
 Acq: 31 Jul 2018 10:37

Tgt Ion:165 Resp: 33287
 Ion Ratio Lower Upper
 165 100
 63 2.2 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

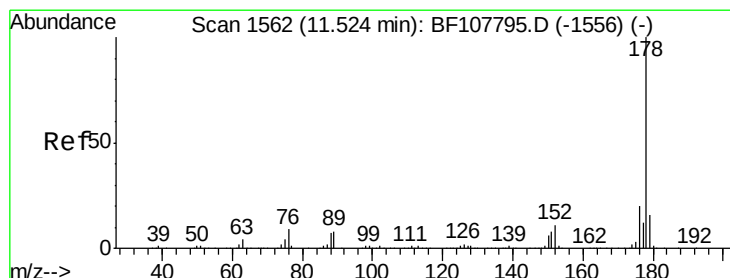
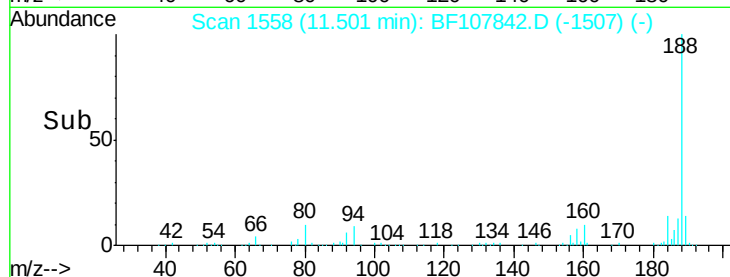
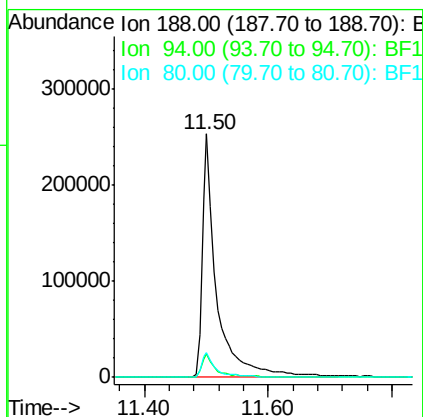
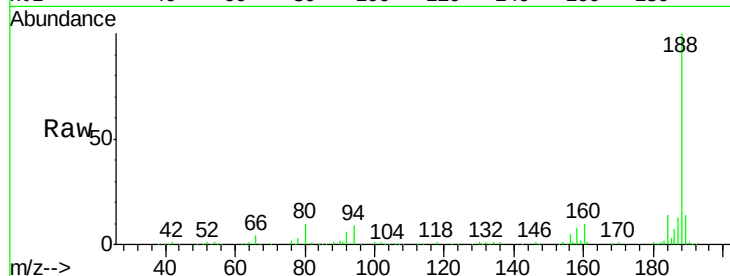




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

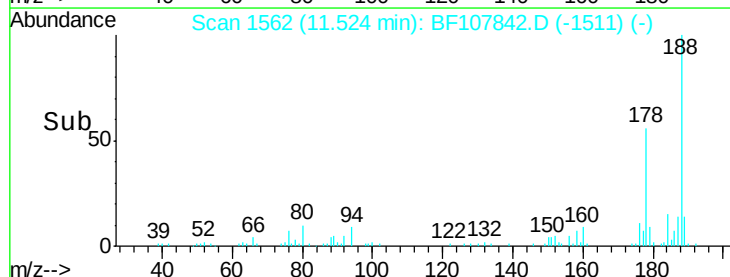
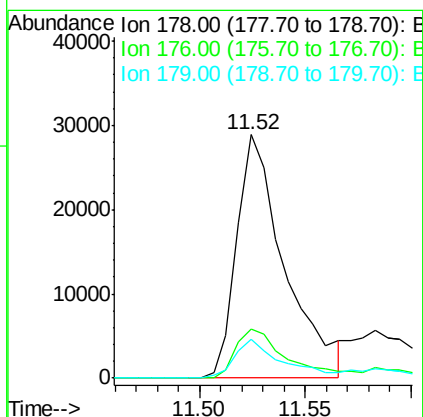
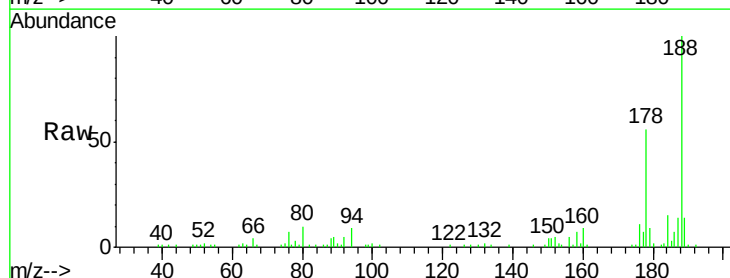
Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

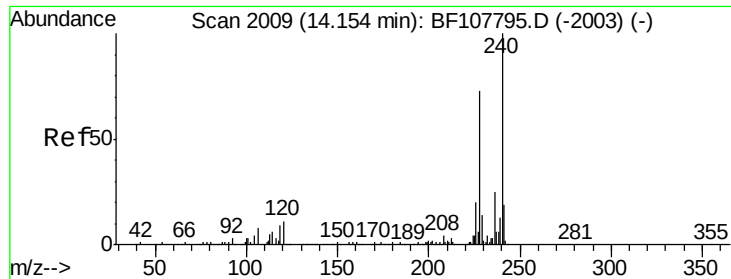
Tgt Ion:188 Resp: 418127
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#70
Phenanthrene
Concen: 2.289 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Tgt Ion:178 Resp: 45441
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.7 13.0 19.6





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

Instrument :

BNA_F

ClientSampleId :

MW-2BDL2

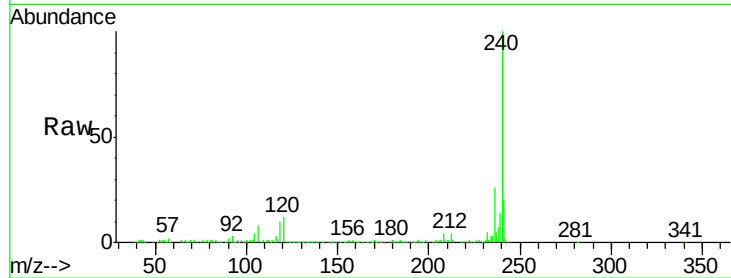
Tgt Ion:240 Resp: 395719

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

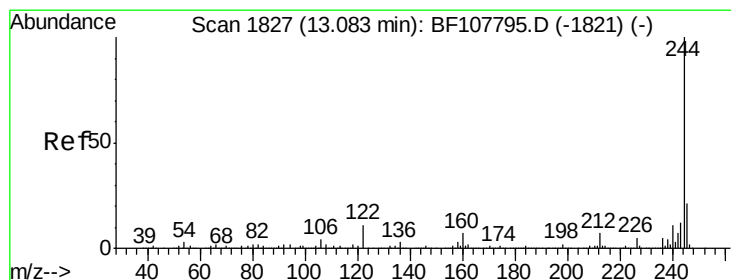
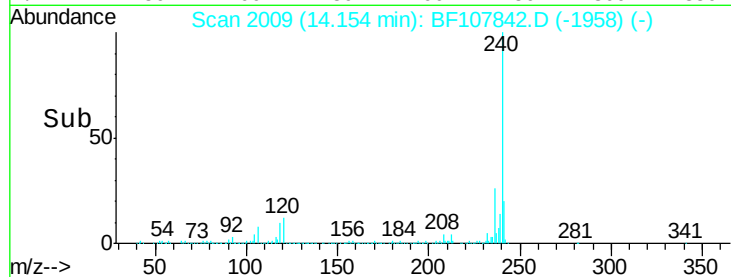
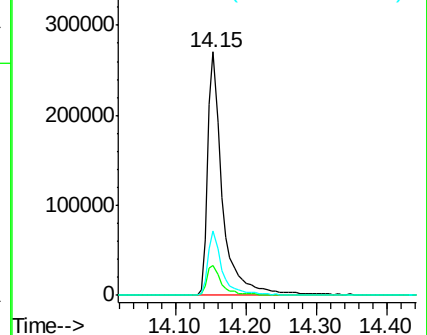
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 1.064 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF107842.D

Acq: 31 Jul 2018 10:37

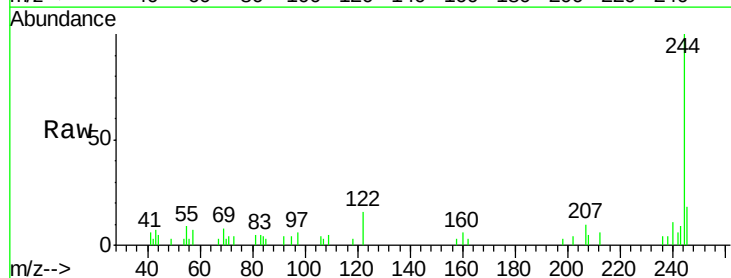
Tgt Ion:244 Resp: 19408

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

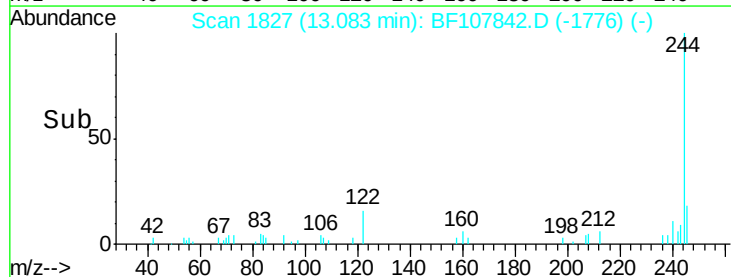
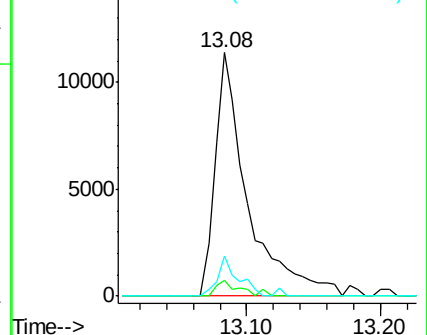
122 16.5 11.0 16.4#

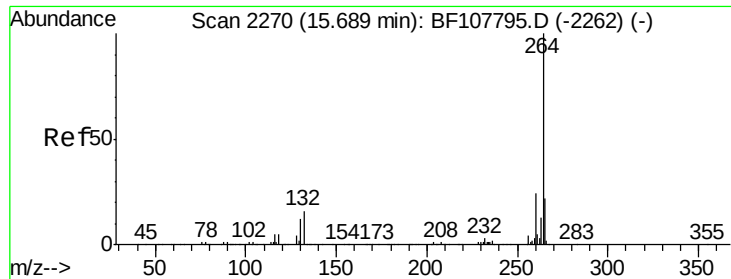


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107842.D
Acq: 31 Jul 2018 10:37

Instrument :
BNA_F
ClientSampleId :
MW-2BDL2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3

