

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107829.D
 Acq On : 31 Jul 2018 4:51
 Operator : JU/SJ
 Sample : J4184-02DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-7BDDL

Quant Time: Jul 31 06:59:57 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	164160	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	500123	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	265535	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	472151	20.00	ng	0.00
75) Chrysene-d12	14.15	240	477787	20.00	ng	0.00
86) Perylene-d12	15.69	264	388750	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	97978	10.14	ng	0.01
7) Phenol-d6	6.62	99	87991	6.91	ng	0.01
23) Nitrobenzene-d5	7.53	82	257842	29.70	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	82812	22.95	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	509419	26.73	ng	0.00
78) Terphenyl-d14	13.08	244	469405	21.30	ng	0.00

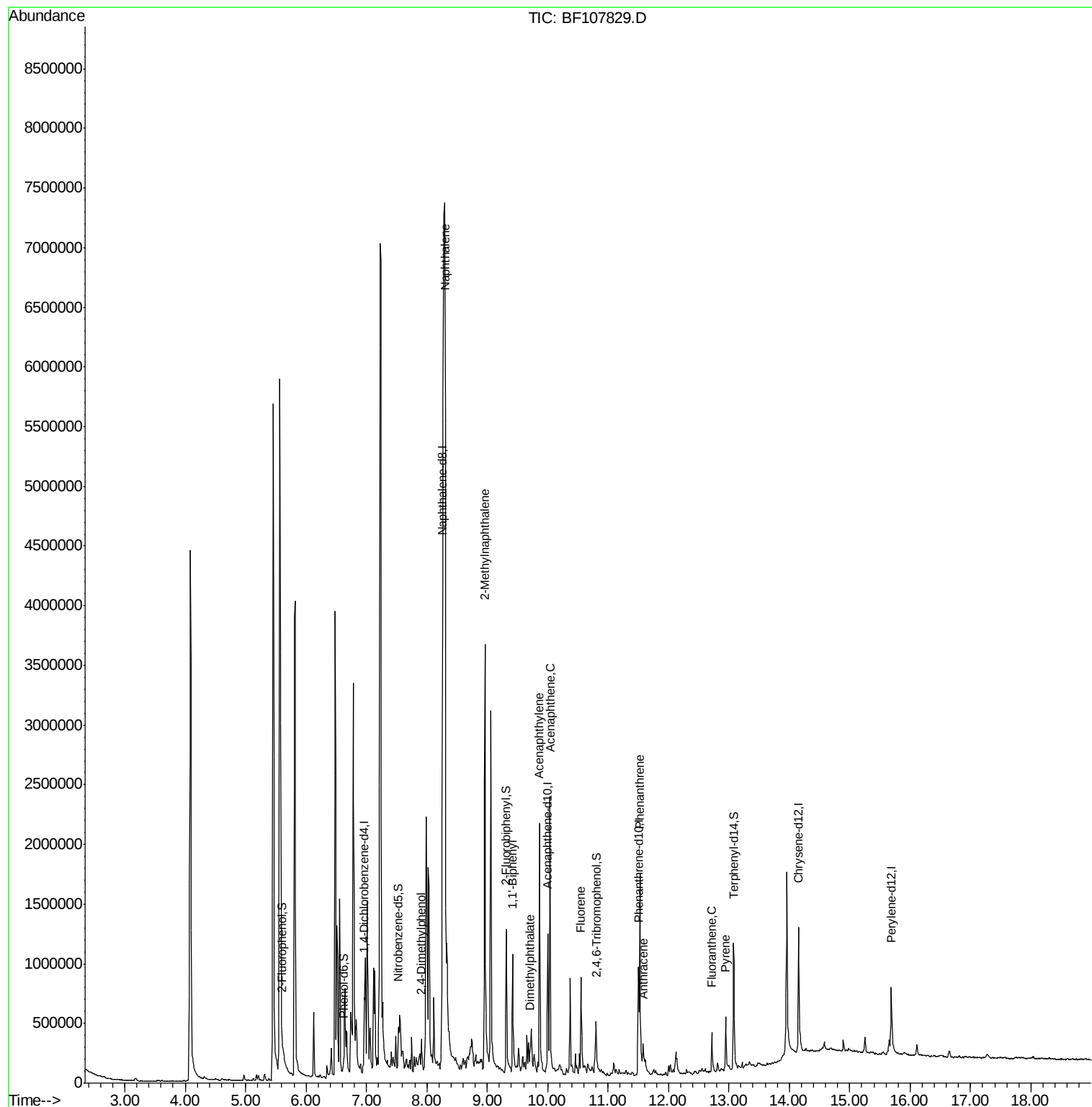
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) 2,4-Dimethylphenol	7.91	122	46571	7.614	ng	90
31) Naphthalene	8.29	128	10357514	445.526	ng	# 90
37) 2-Methylnaphthalene	8.96	142	1299149	88.964	ng	98
45) 1,1'-Biphenyl	9.42	154	499565	20.673	ng	96
48) Acenaphthylene	9.87	152	1019323	36.081	ng	98
49) Dimethylphthalate	9.71	163	61134	3.066	ng	98
51) Acenaphthene	10.04	154	564552	34.401	ng	99
57) Fluorene	10.55	166	334460	16.967	ng	95
70) Phenanthrene	11.52	178	758401	33.828	ng	98
71) Anthracene	11.58	178	223277	8.634	ng	97
74) Fluoranthene	12.72	202	176201	6.690	ng	97
77) Pvrene	12.95	202	239535	6.962	ng	96

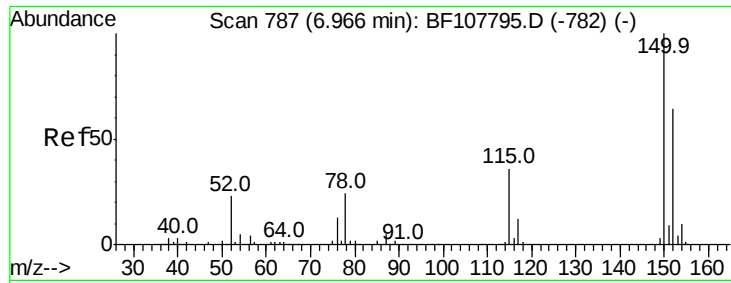
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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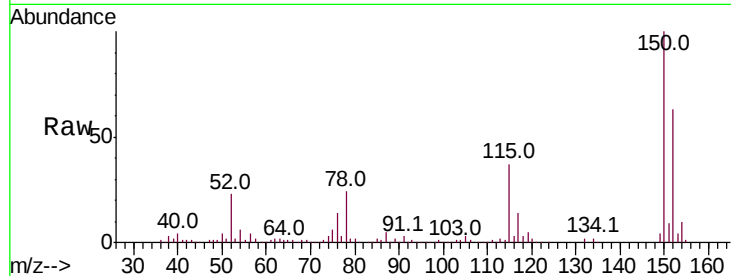


#1

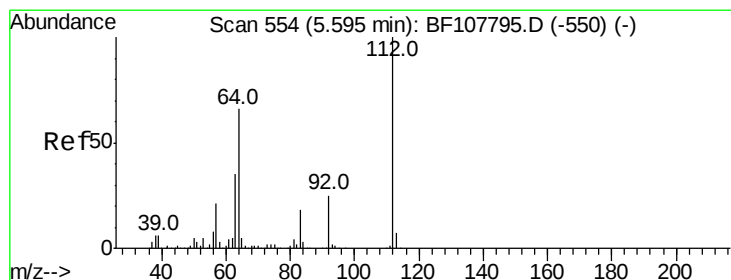
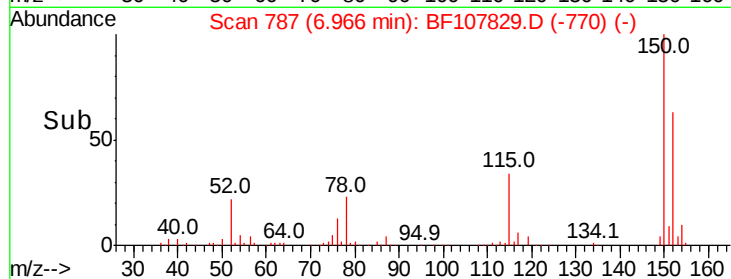
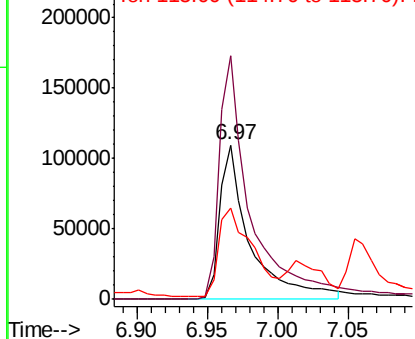
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

Tot Ion:152 Resp: 164160
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 59.1 50.1 75.1



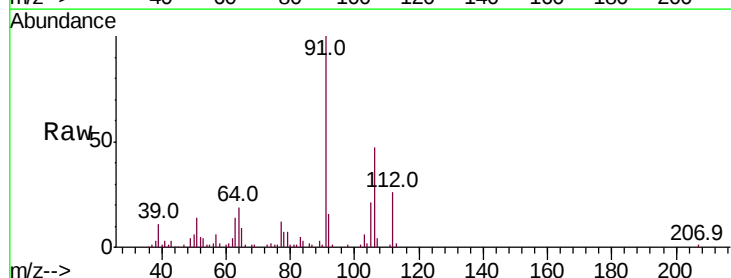
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



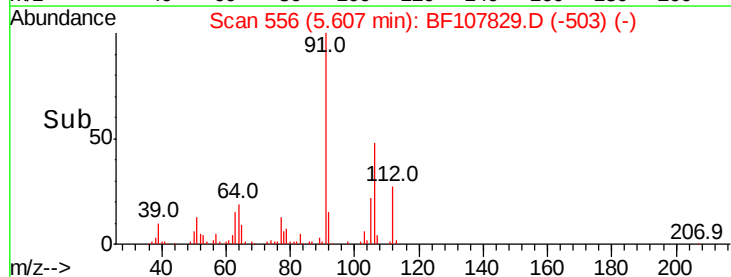
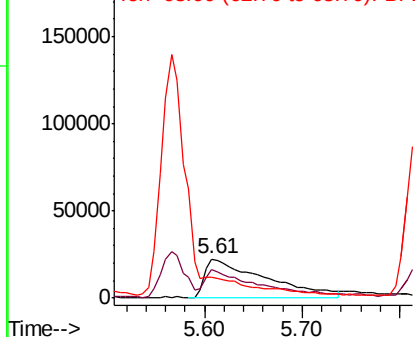
#5

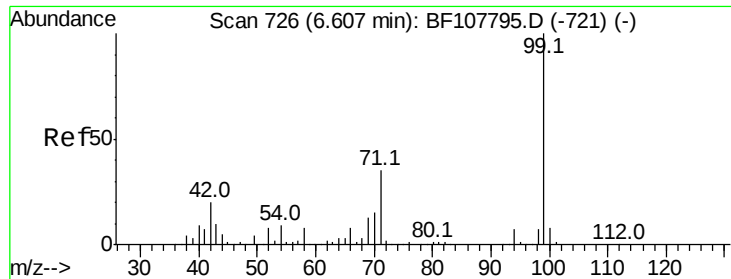
2-Fluorophenol
Concen: 10.144 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:112 Resp: 97978
Ion Ratio Lower Upper
112 100
64 72.0 47.9 71.9#
63 55.1 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: 6.912 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

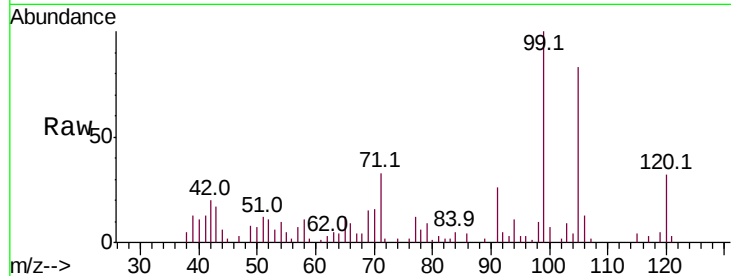
Tot Ion: 99 Resp: 87991

Ion Ratio Lower Upper

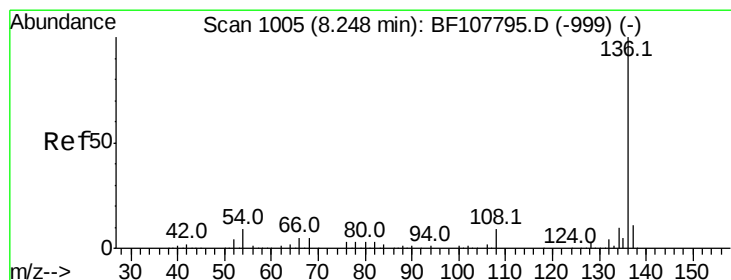
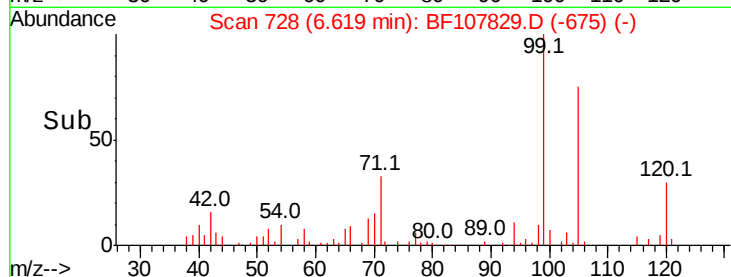
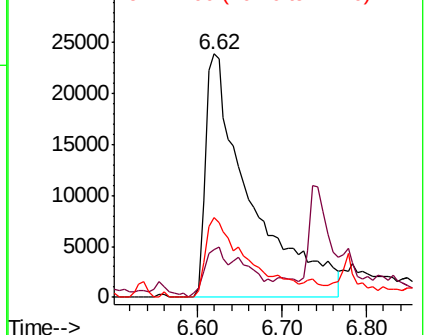
99 100

42 19.7 14.5 21.7

71 32.8 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# 1006

Delta R.T. 0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Tgt Ion: 136 Resp: 500123

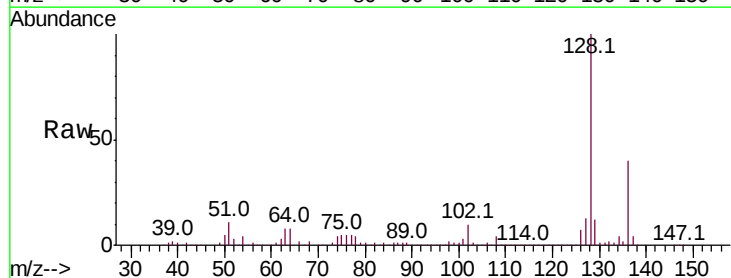
Ion Ratio Lower Upper

136 100

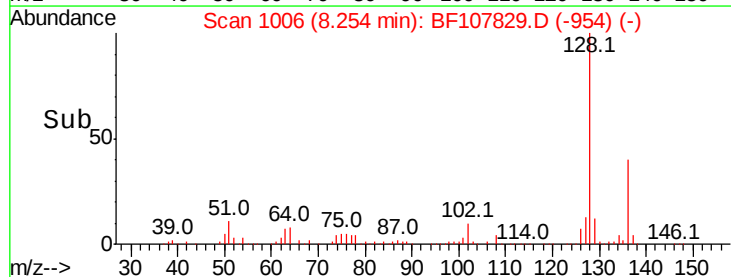
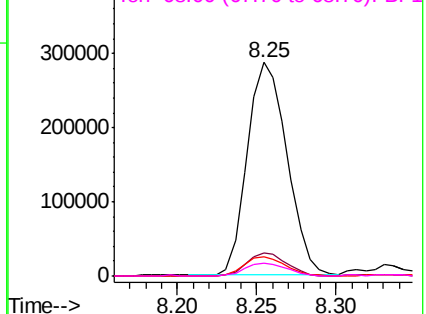
137 10.7 8.9 13.3

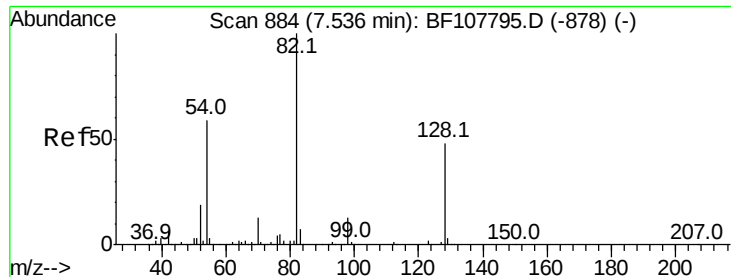
54 9.0 6.6 9.8

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

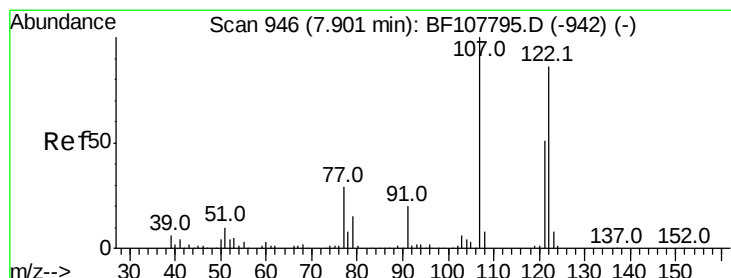
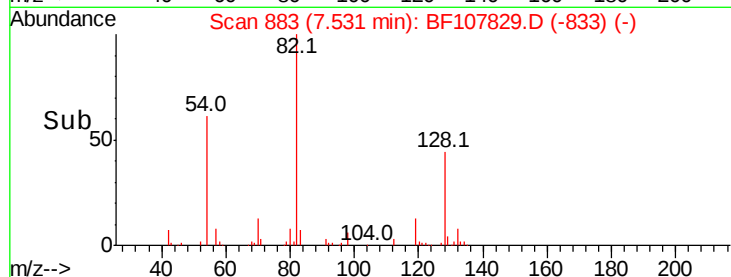
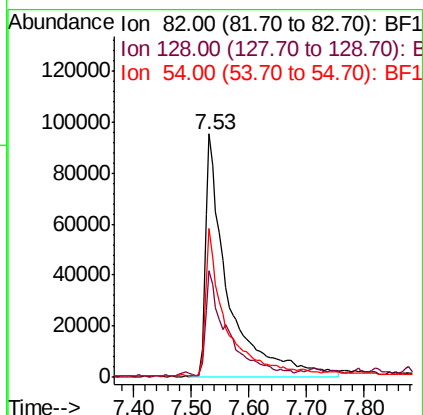
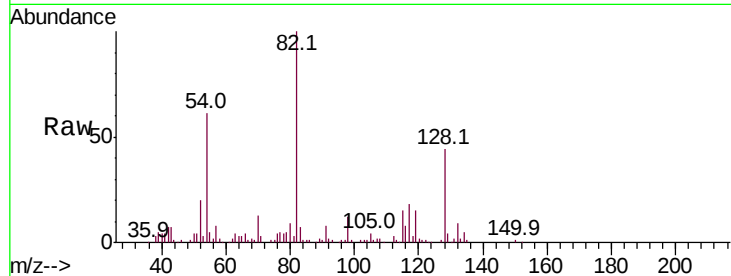




#23
 Nitrobenzene-d5
 Concen: 29.701 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF107829.D
 Acq: 31 Jul 2018 4:51

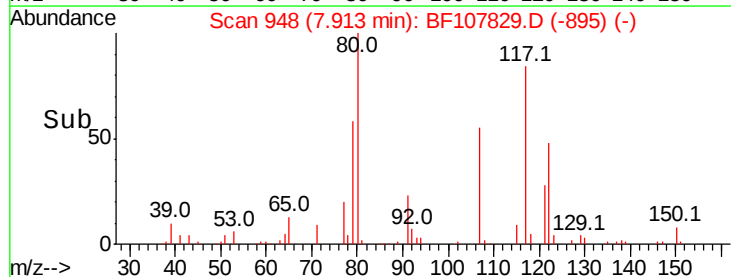
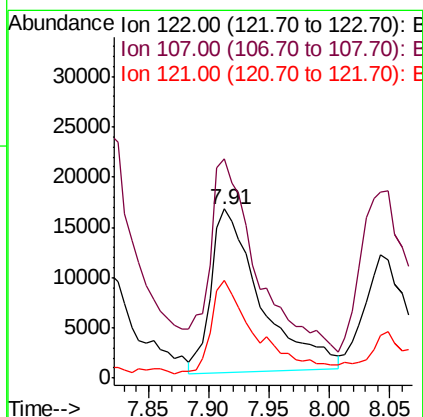
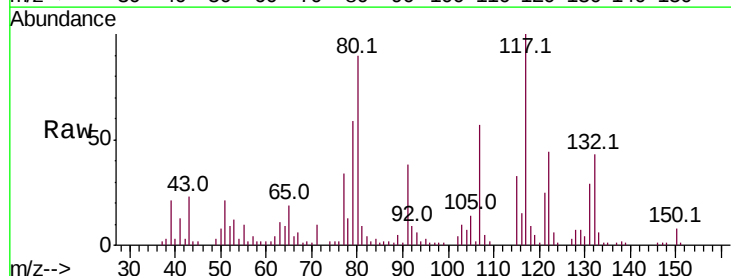
Instrument :
 BNA_F
 ClientSampleId :
 MW-7BDDL

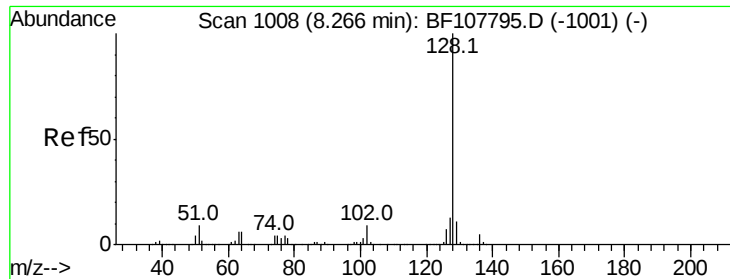
Tot Ion: 82 Resp: 257842
 Ion Ratio Lower Upper
 82 100
 128 44.0 36.1 54.1
 54 61.0 41.4 62.2



#27
 2,4-Dimethylphenol
 Concen: 7.614 ng
 RT: 7.91 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: BF107829.D
 Acq: 31 Jul 2018 4:51

Tgt Ion:122 Resp: 46571
 Ion Ratio Lower Upper
 122 100
 107 129.4 91.2 136.8
 121 57.8 47.2 70.8

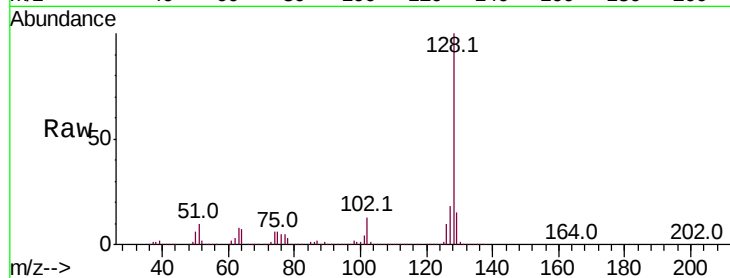




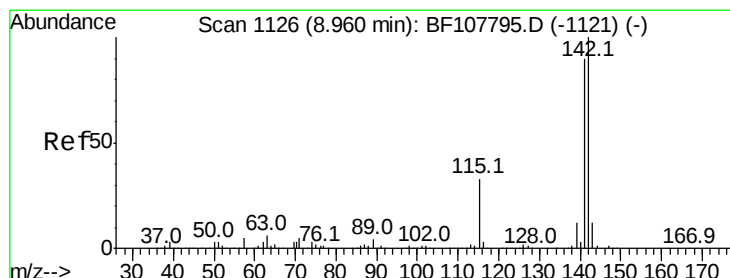
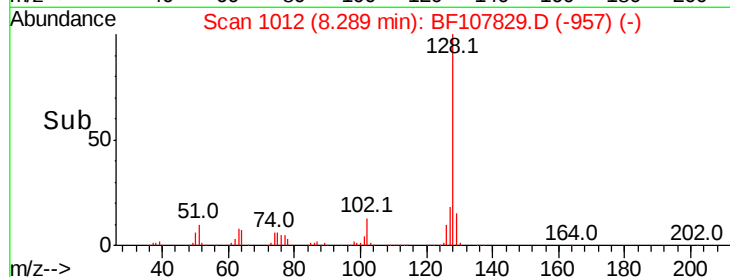
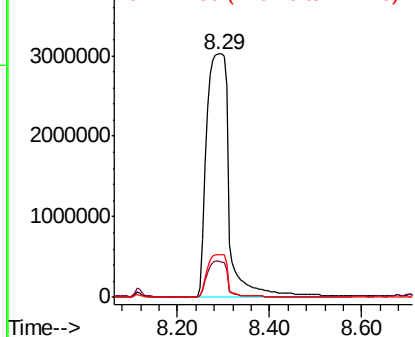
#31
Naphthalene
Concen: 445.526 ng
RT: 8.29 min Scan# 1012
Delta R.T. 0.02 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

Tot Ion:128 Resp:10357514
Ion Ratio Lower Upper
128 100
129 15.0 8.8 13.2#
127 17.7 10.9 16.3#

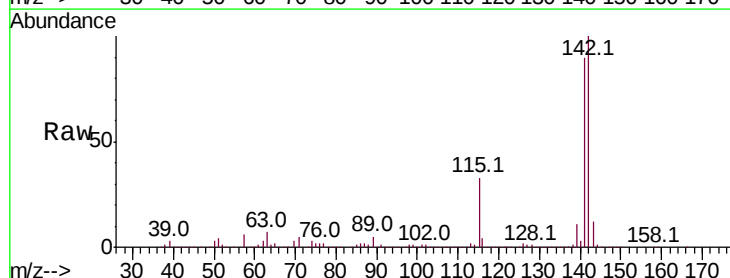


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

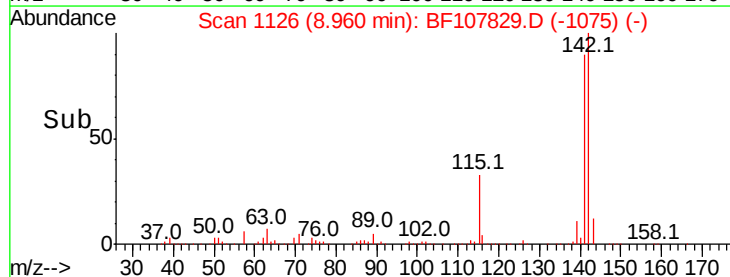
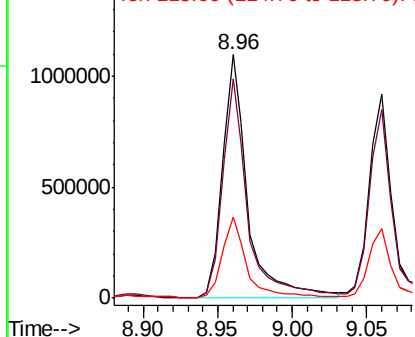


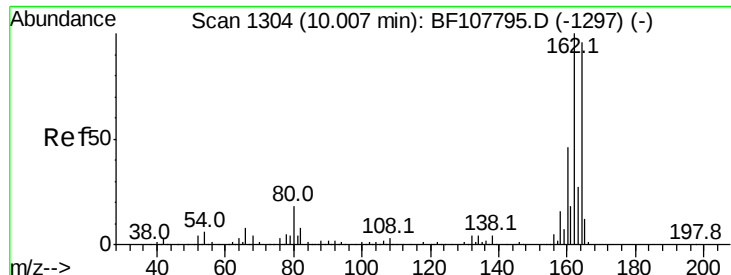
#37
2-Methylnaphthalene
Concen: 88.964 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:142 Resp: 1299149
Ion Ratio Lower Upper
142 100
141 90.3 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

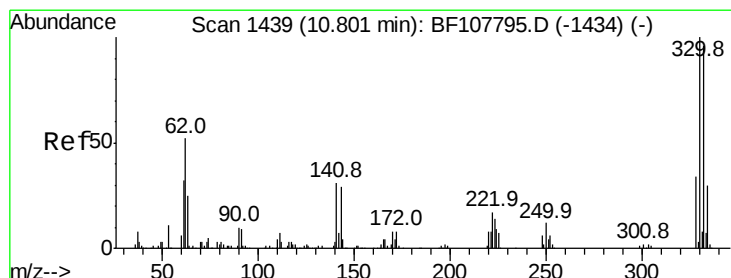
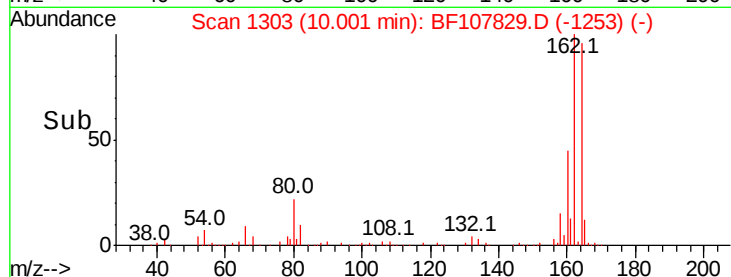
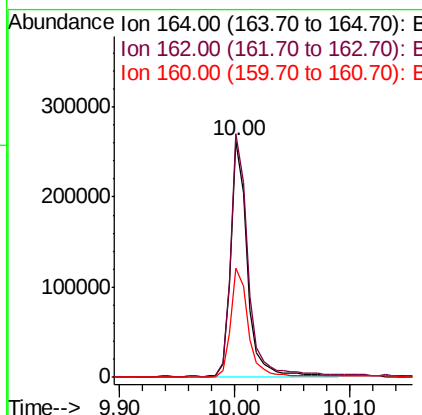
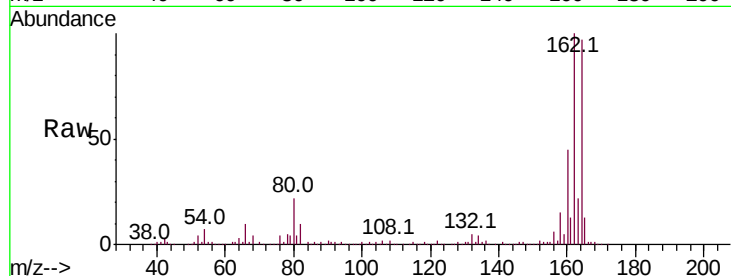




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

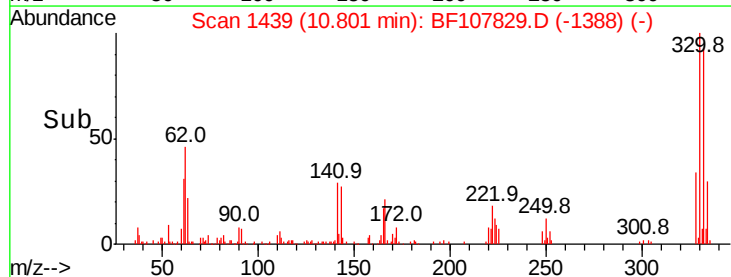
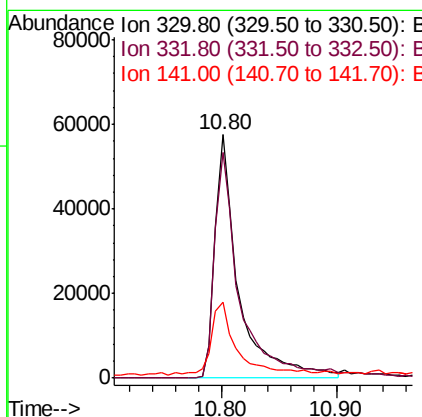
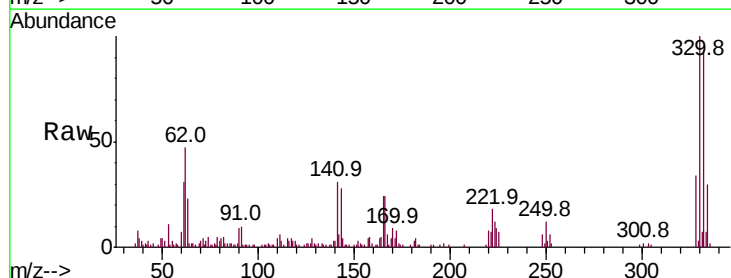
Instrument :
BNA_F
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MW-7BDDL

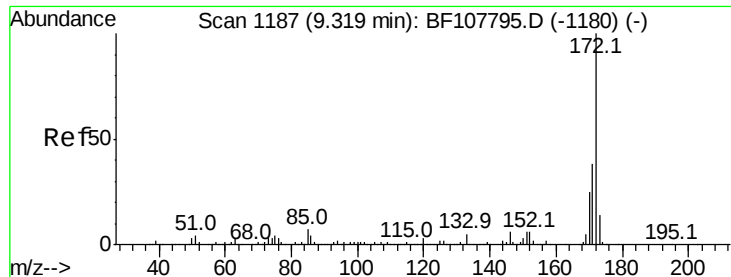
Tot Ion:164 Resp: 265535
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 46.5 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 22.952 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:330 Resp: 82812
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.6
141 31.7 29.9 44.9

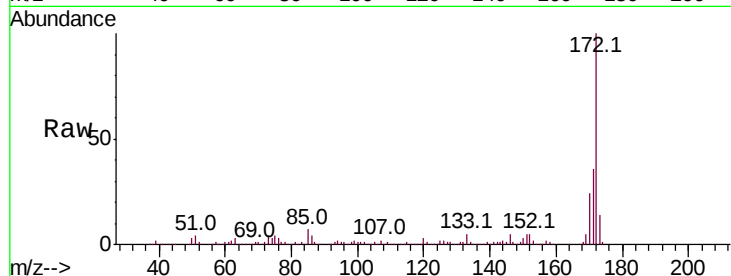




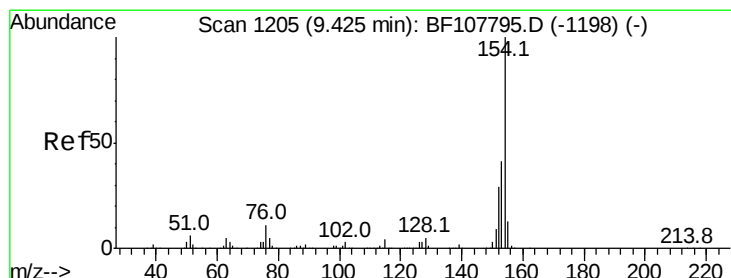
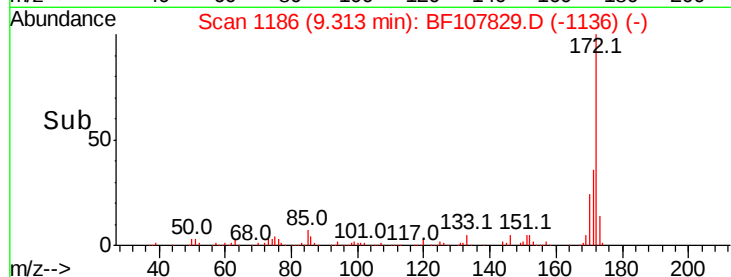
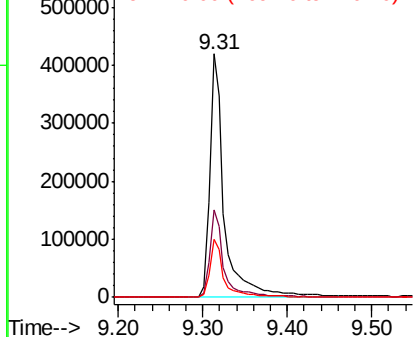
#44
2-Fluorobiphenyl
Concen: 26.734 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampled :
MW-7BDDL

Tot Ion:172 Resp: 509419
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.7 19.6 29.4

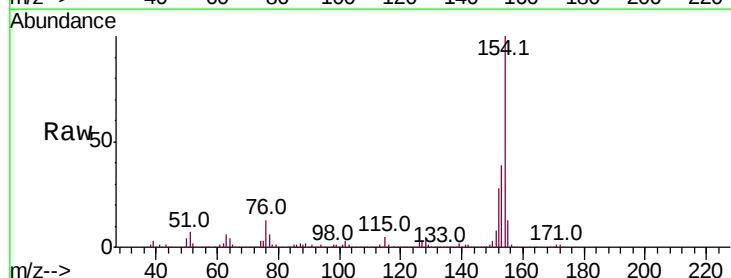


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

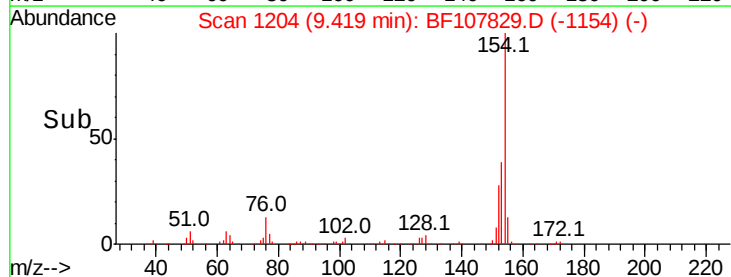
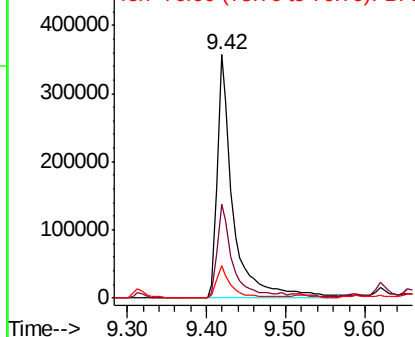


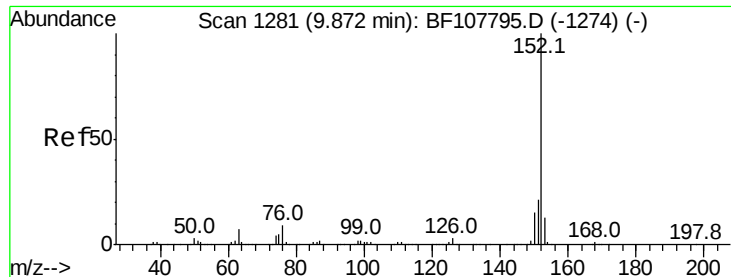
#45
1,1'-Biphenyl
Concen: 20.673 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:154 Resp: 499565
Ion Ratio Lower Upper
154 100
153 38.8 21.3 61.3
76 13.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 36.081 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

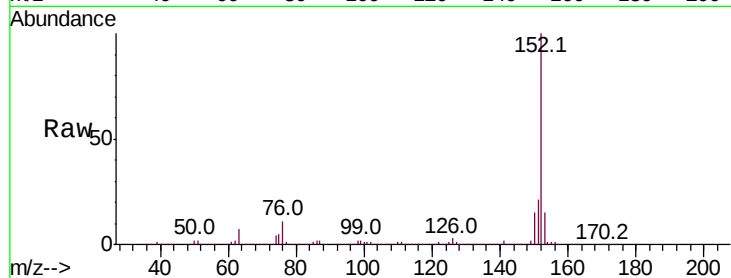
Tot Ion:152 Resp: 1019323

Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

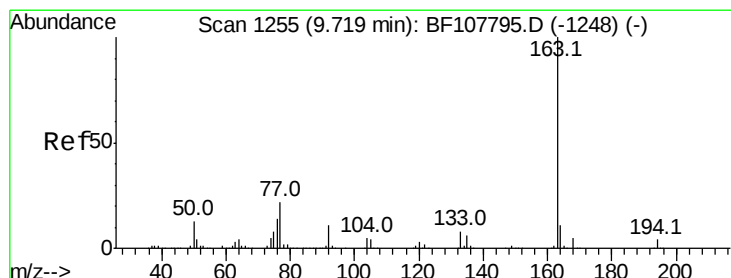
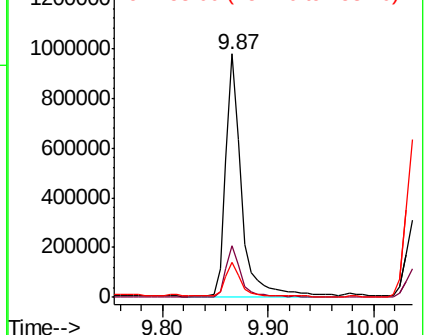
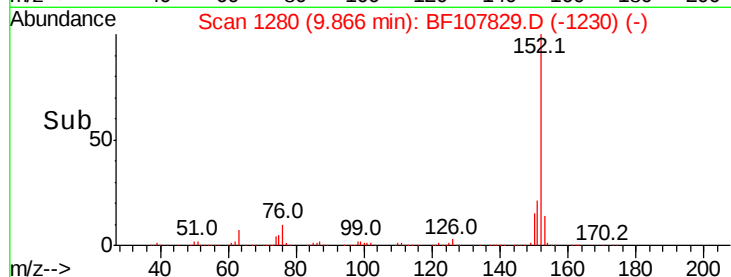
153 14.5 10.7 16.1



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: 3.066 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

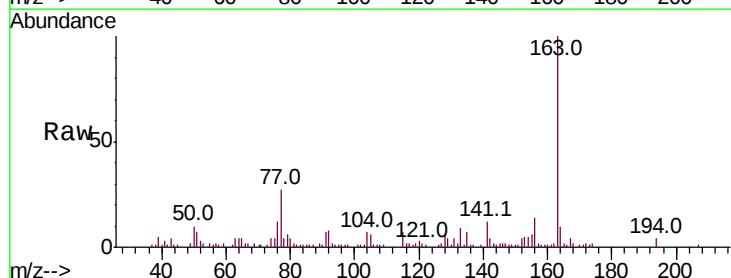
Tgt Ion:163 Resp: 61134

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

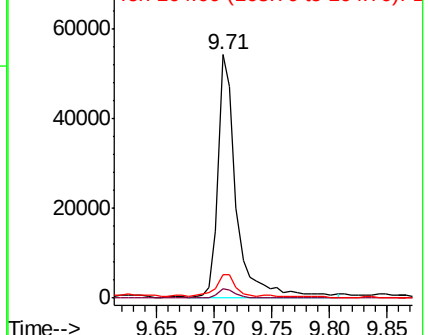
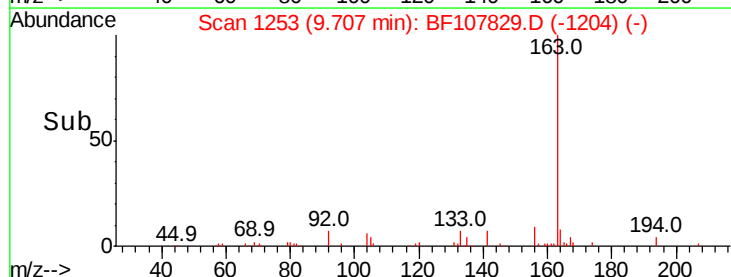
164 9.6 8.2 12.2

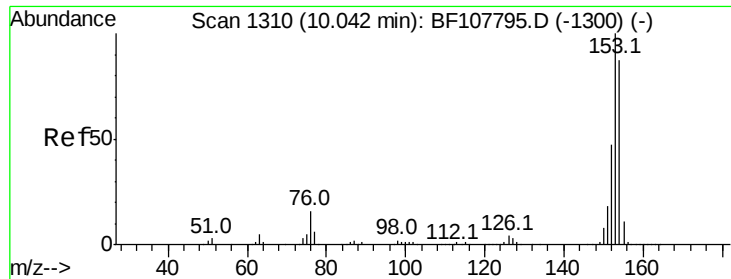


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 34.401 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

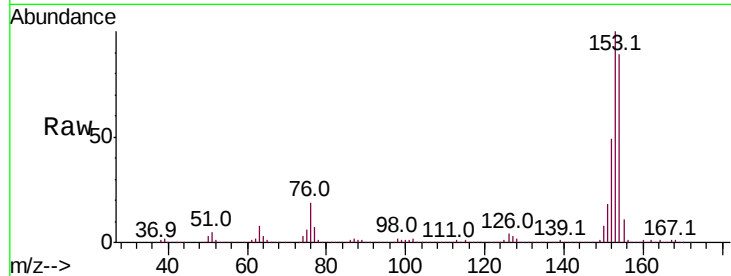
Tot Ion:154 Resp: 564552

Ion Ratio Lower Upper

154 100

153 112.8 91.2 136.8

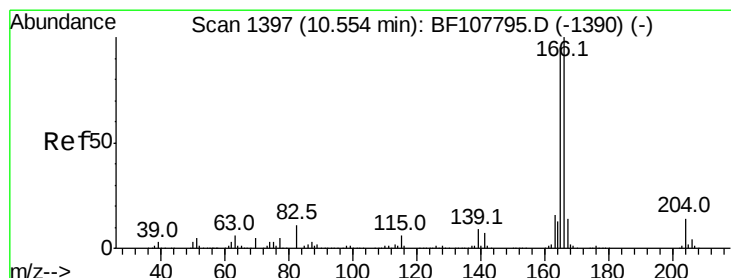
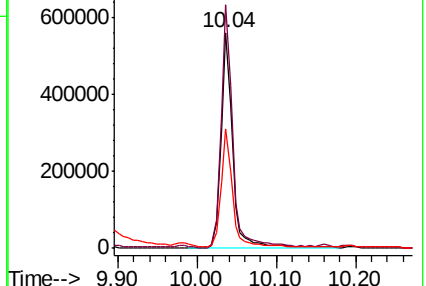
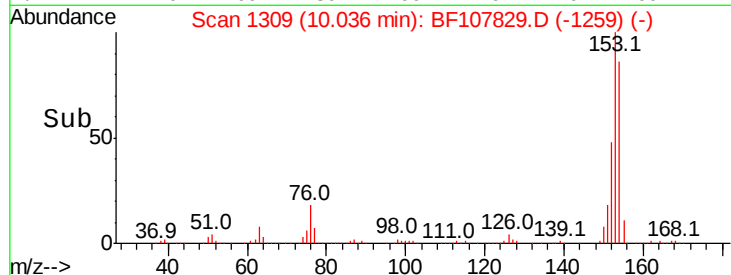
152 55.2 43.8 65.8



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



#57

Fluorene

Concen: 16.967 ng

RT: 10.55 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

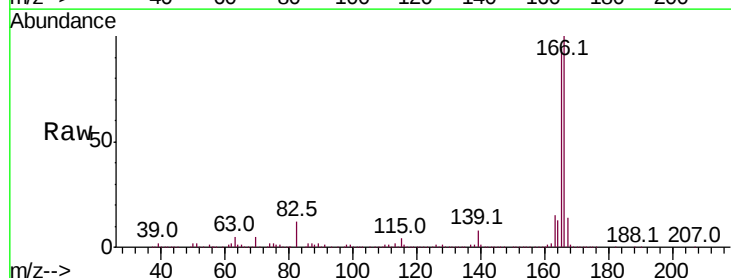
Tgt Ion:166 Resp: 334460

Ion Ratio Lower Upper

166 100

165 94.3 79.8 119.8

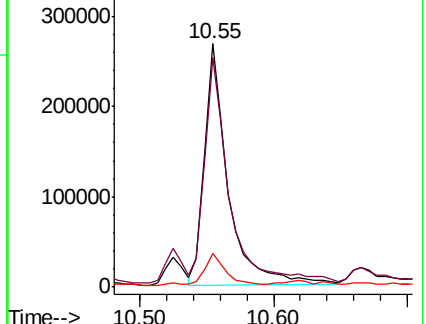
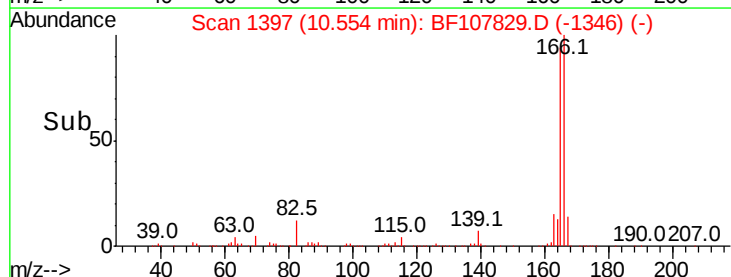
167 14.0 10.6 16.0

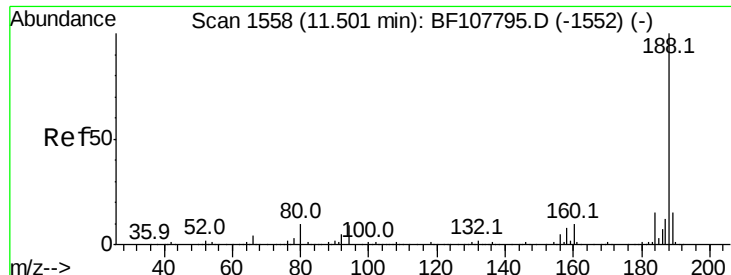


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

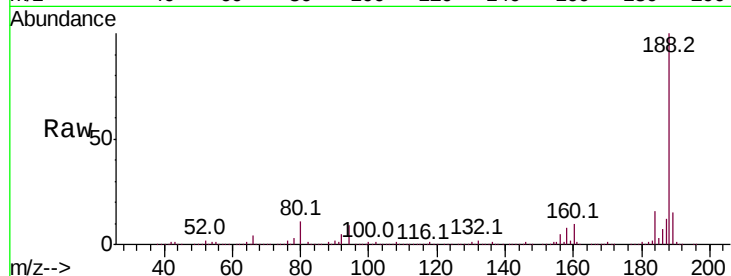




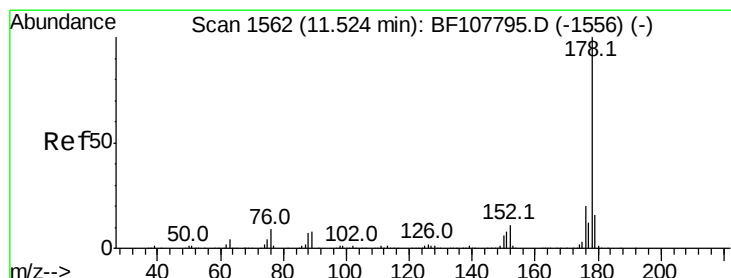
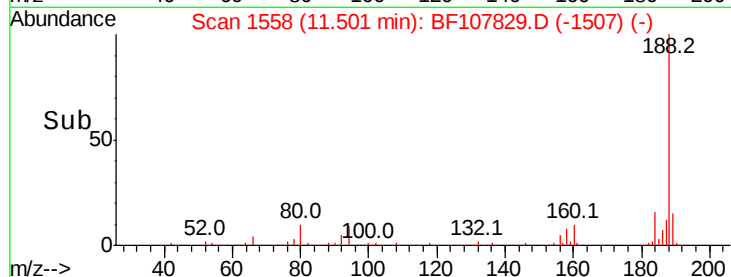
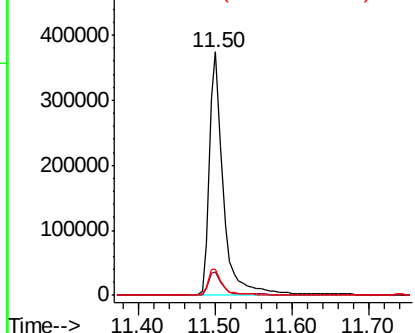
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :
MW-7BDDL

Tot Ion:188 Resp: 472151
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.7 9.2 13.8

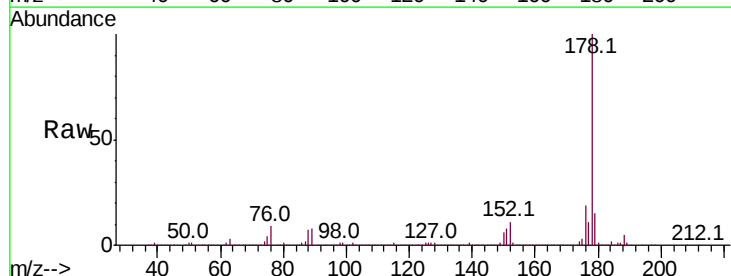


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

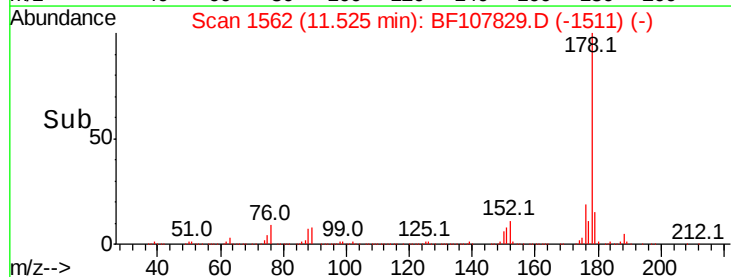
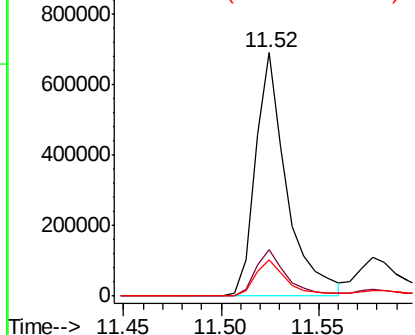


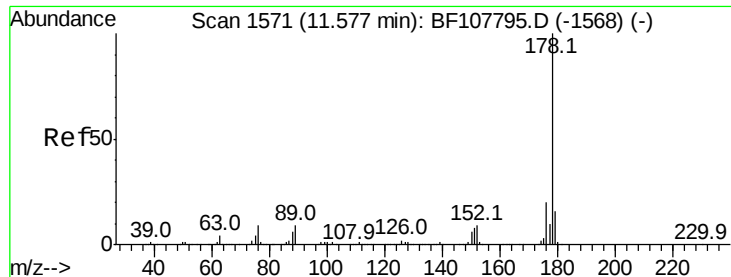
#70
Phenanthrene
Concen: 33.828 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:178 Resp: 758401
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.1 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: 8.634 ng

RT: 11.58 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

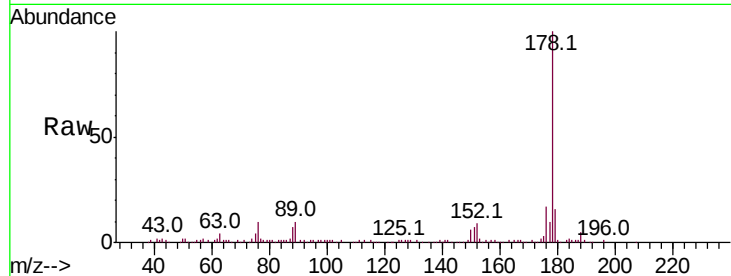
Tot Ion:178 Resp: 223277

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

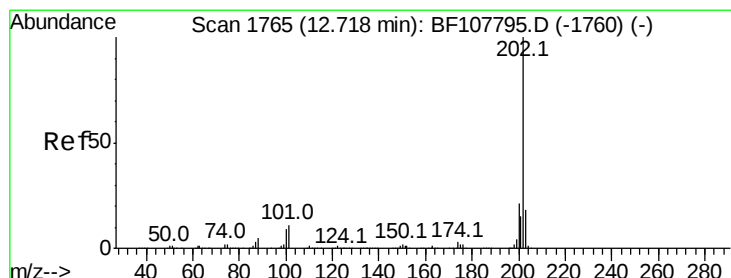
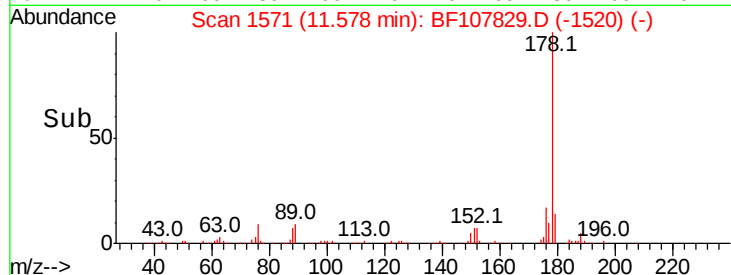
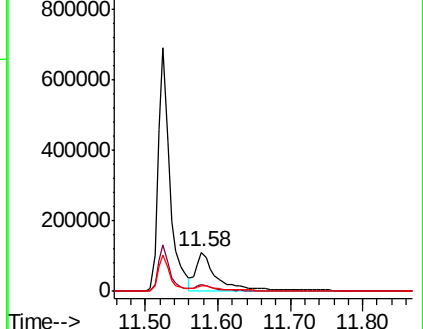
179 15.6 12.6 19.0



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



#74

Fluoranthene

Concen: 6.690 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

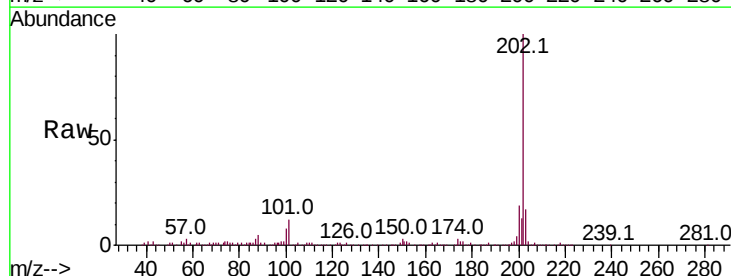
Tgt Ion:202 Resp: 176201

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

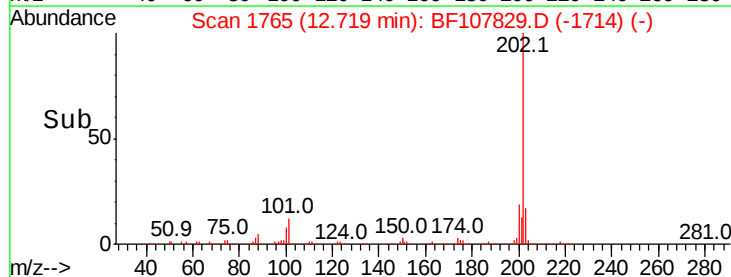
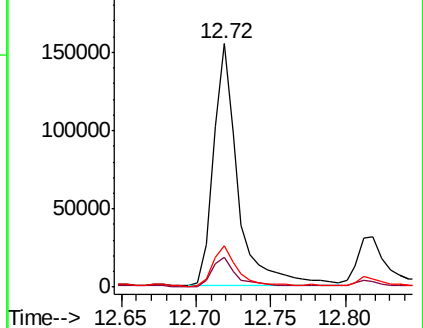
203 17.0 0.0 38.1

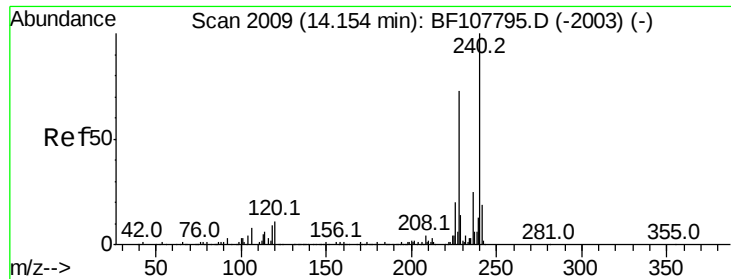


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

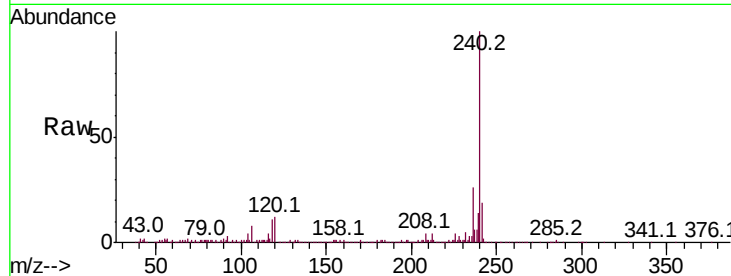
Tot Ion:240 Resp: 477787

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

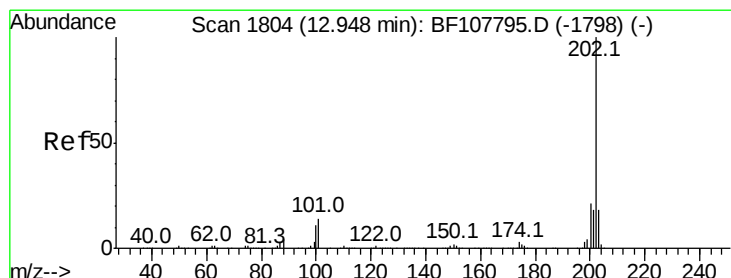
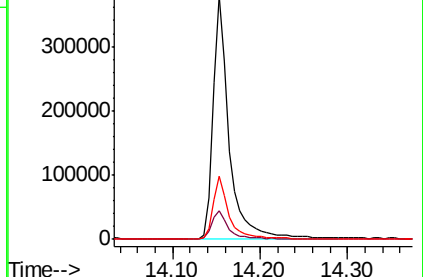
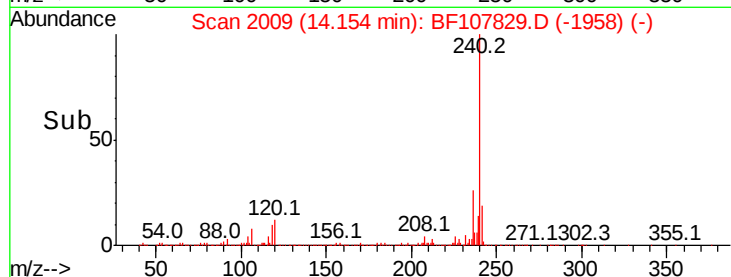
236 25.9 20.7 31.1



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: 6.962 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

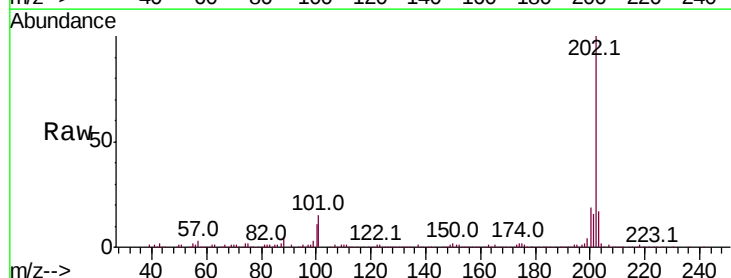
Tgt Ion:202 Resp: 239535

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

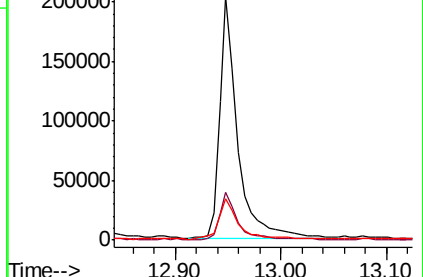
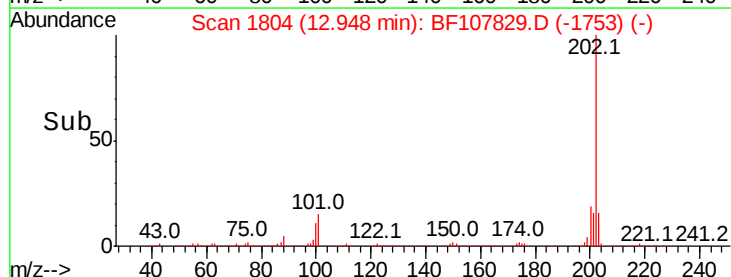
203 17.0 14.3 21.5

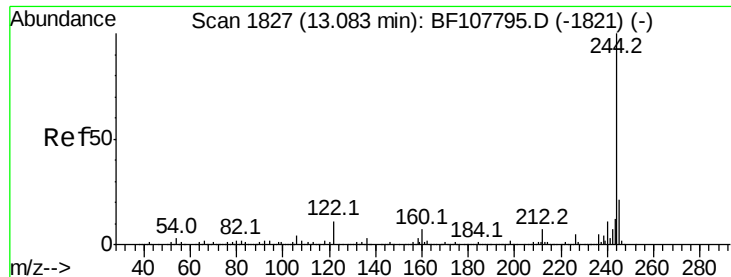


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.304 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107829.D

Acq: 31 Jul 2018 4:51

Instrument :

BNA_F

ClientSampleId :

MW-7BDDL

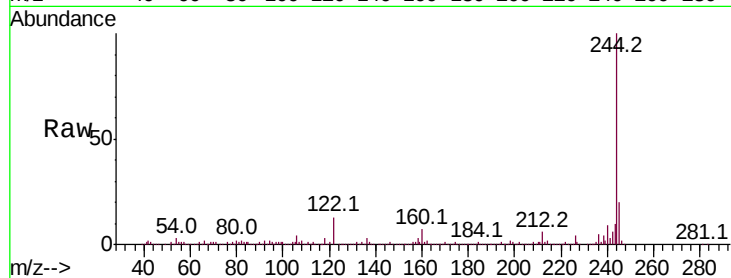
Tot Ion:244 Resp: 469405

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

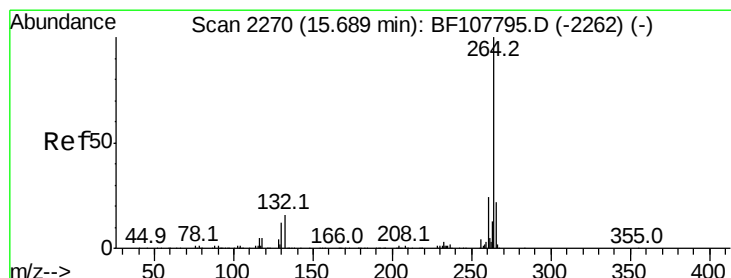
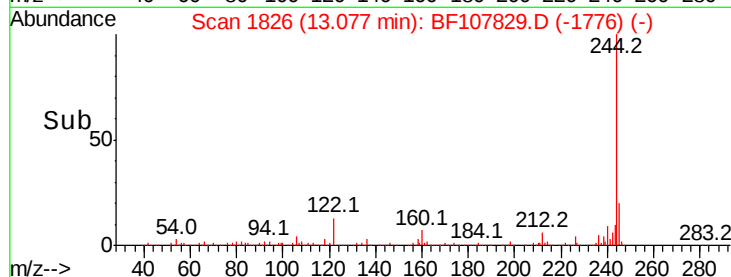
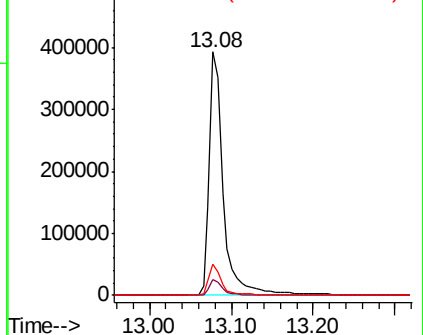
122 12.7 11.0 16.4



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: BF107829.D

Acq: 31 Jul 2018 4:51

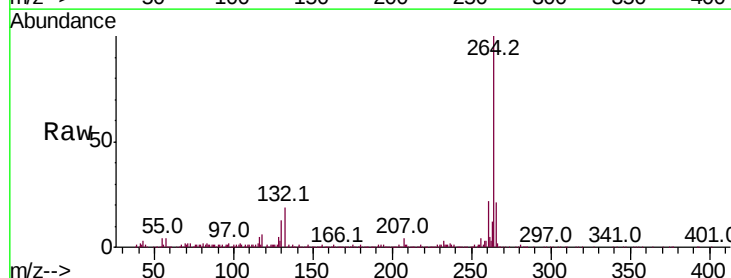
Tgt Ion:264 Resp: 388750

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 20.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

