

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107969.D
 Acq On : 4 Aug 2018 5:54
 Operator : JU/SJ
 Sample : J4297-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 06 04:06:37 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

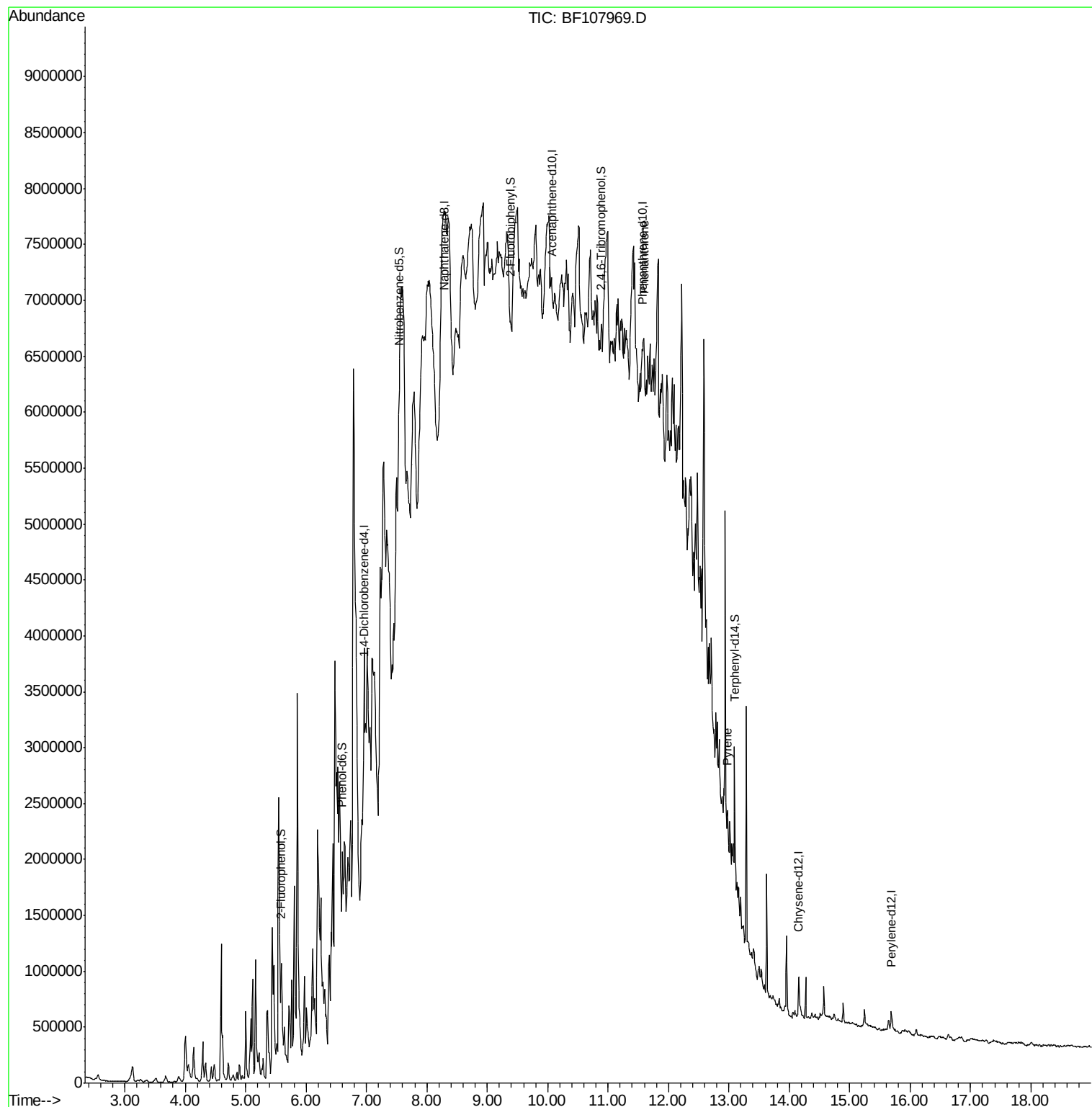
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	57245	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	22756	20.00	ng	0.03
38) Acenaphthene-d10	10.08	164	87832	20.00	ng	0.08
63) Phenanthrene-d10	11.57	188	78979	20.00	ng	0.06
75) Chrysene-d12	14.16	240	194557	20.00	ng	0.00
86) Perylene-d12	15.69	264	141286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	501119	148.78	ng	0.00
7) Phenol-d6	6.60	99	529291	119.23	ng	0.00
23) Nitrobenzene-d5	7.54	82	159985	405.03	ng	0.00
41) 2,4,6-Tribromophenol	10.88	330	58892	49.35	ng	0.08
44) 2-Fluorobiphenyl	9.38	172	252511	40.06	ng	0.06
78) Terphenyl-d14	13.09	244	573857	63.96	ng	0.01
Target Compounds						
70) Phenanthrene	11.59	178	903505	240.924	ng	# 90
77) Pyrene	12.98	202	61599	4.397	ng	# 57

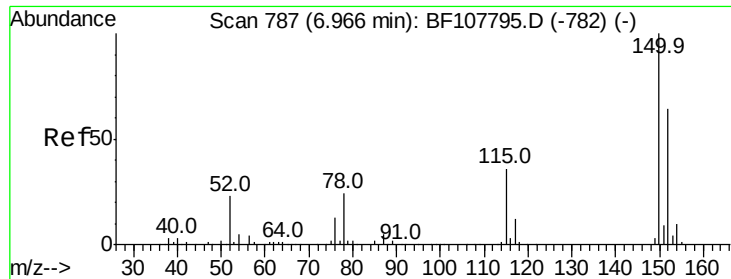
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.97 min Scan# 788

Delta R.T. 0.01 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Instrument :

BNA_F

ClientSampleId :

TP-3

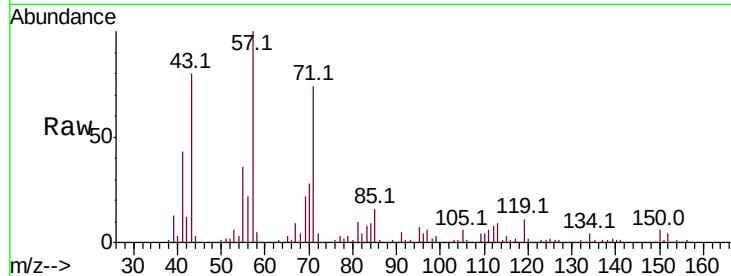
Tot Ion:152 Resp: 57245

Ion Ratio Lower Upper

152 100

150 142.2 124.6 186.8

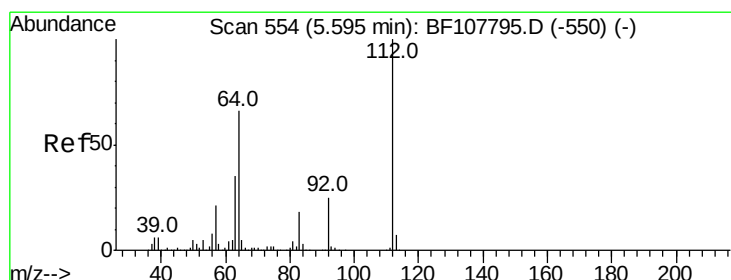
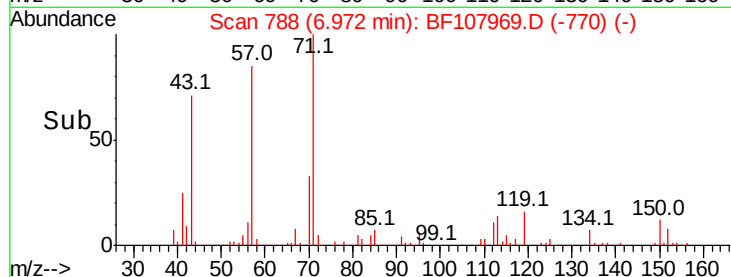
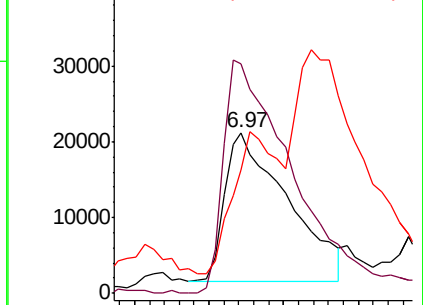
115 76.9 50.1 75.1#



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: 148.777 ng

RT: 5.59 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

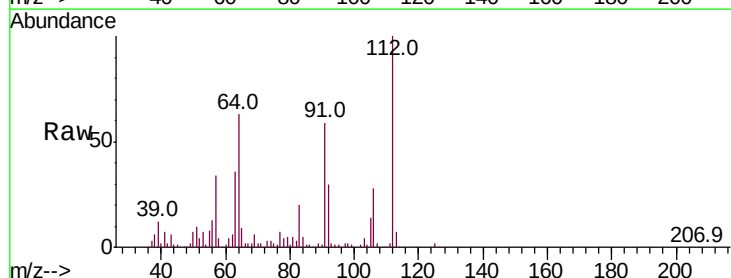
Tgt Ion:112 Resp: 501119

Ion Ratio Lower Upper

112 100

64 63.0 47.9 71.9

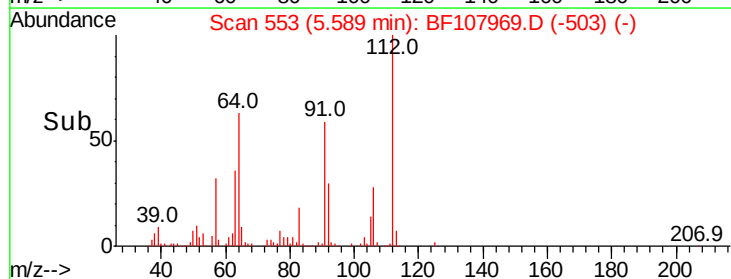
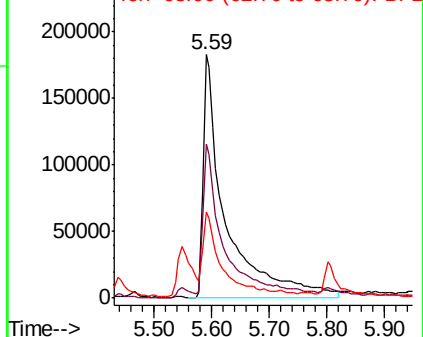
63 35.6 23.7 35.5#

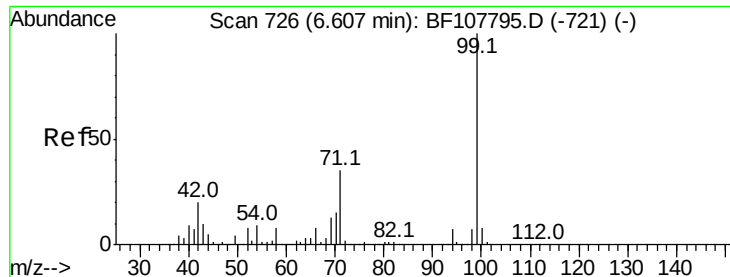


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 119.232 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Instrument :

BNA_F

ClientSampleId :

TP-3

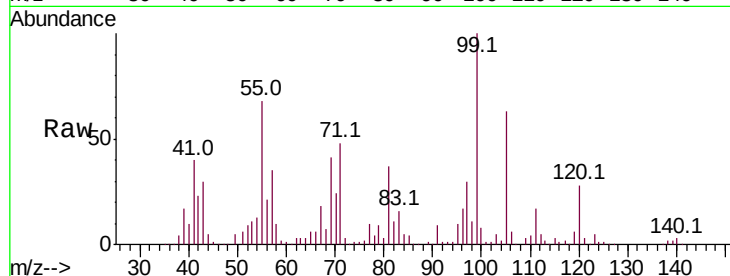
Tot Ion: 99 Resp: 529291

Ion Ratio Lower Upper

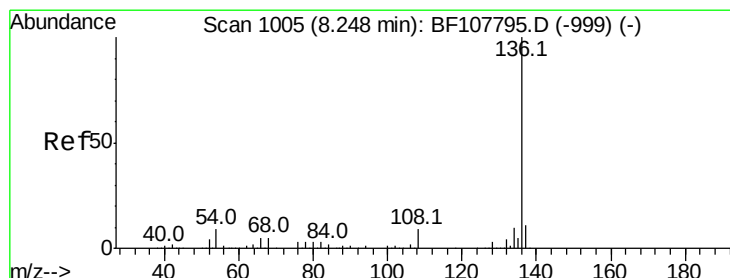
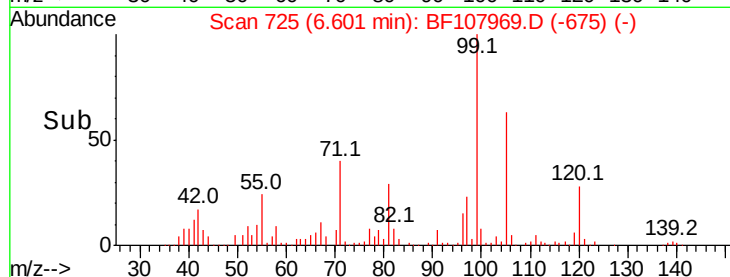
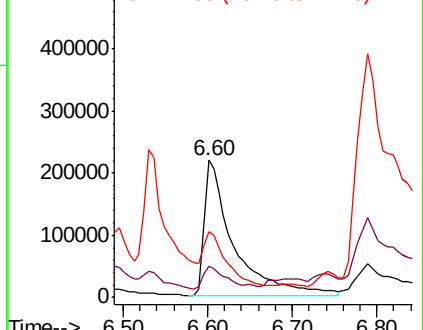
99 100

42 23.0 14.5 21.7#

71 48.3 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: 8.28 min Scan# 1010

Delta R.T. 0.03 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Tgt Ion: 136 Resp: 22756

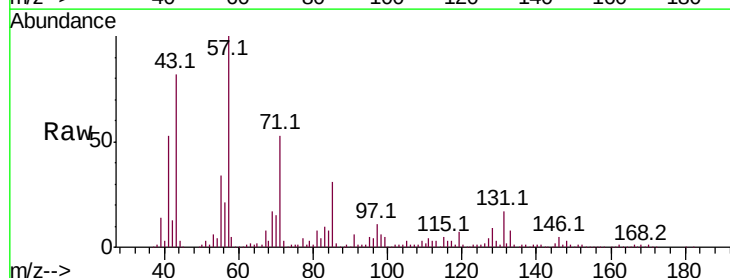
Ion Ratio Lower Upper

136 100

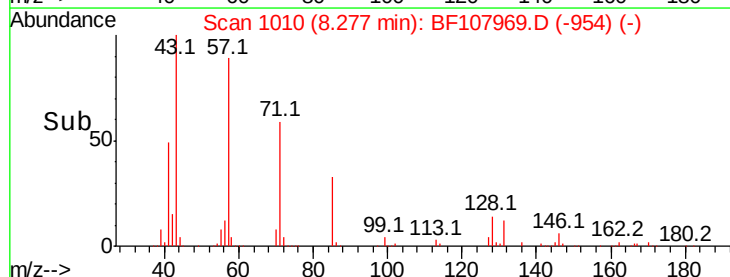
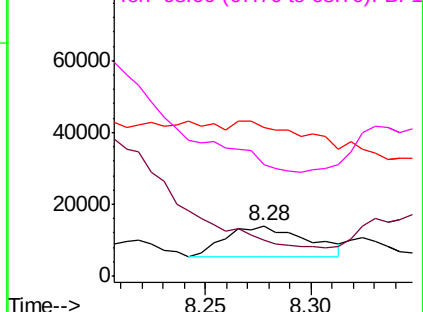
137 71.0 8.9 13.3#

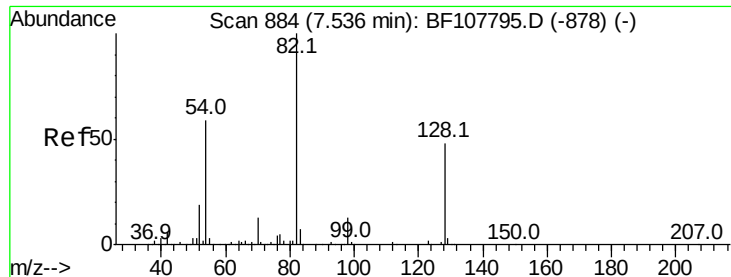
54 296.1 6.6 9.8#

68 221.2 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: 405.027 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Instrument :

BNA_F

ClientSampled :

TP-3

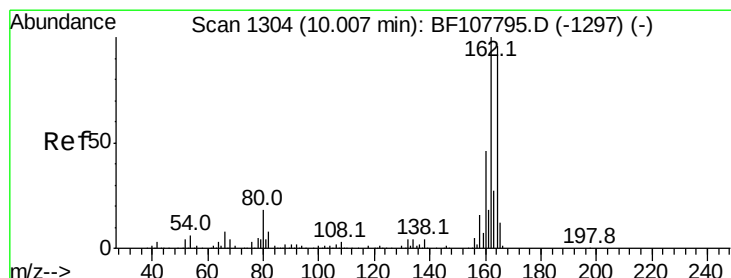
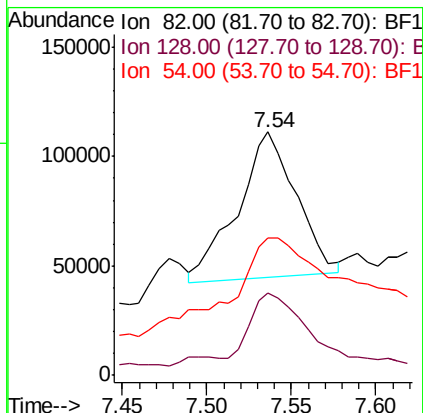
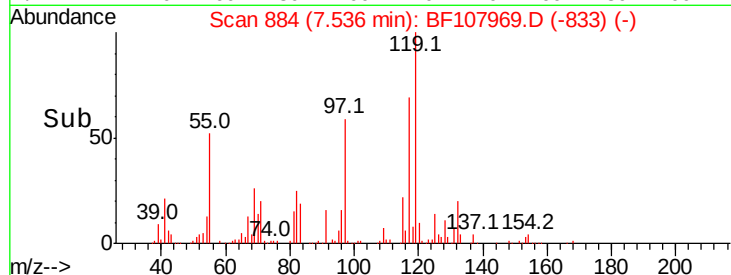
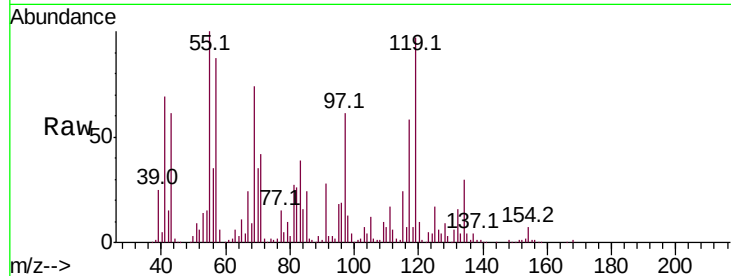
Tot Ion: 82 Resp: 159985

Ion Ratio Lower Upper

82 100

128 33.8 36.1 54.1#

54 56.5 41.4 62.2



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.08 min Scan# 1317

Delta R.T. 0.08 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

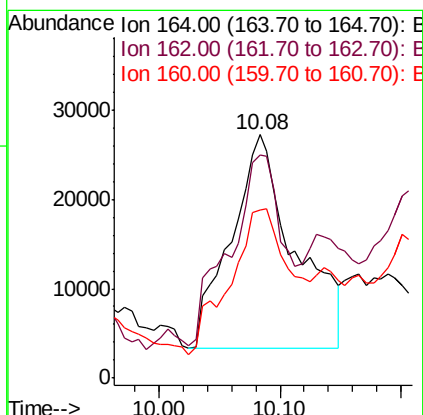
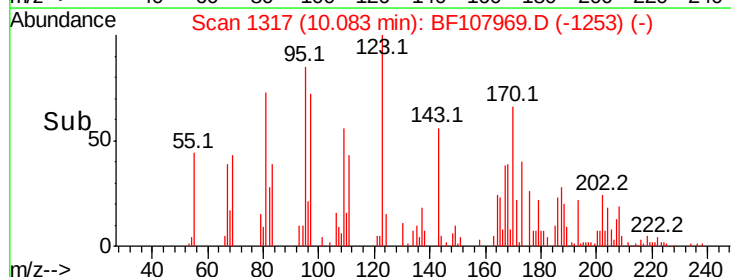
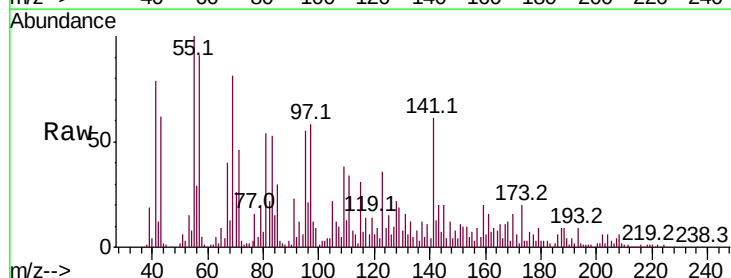
Tgt Ion:164 Resp: 87832

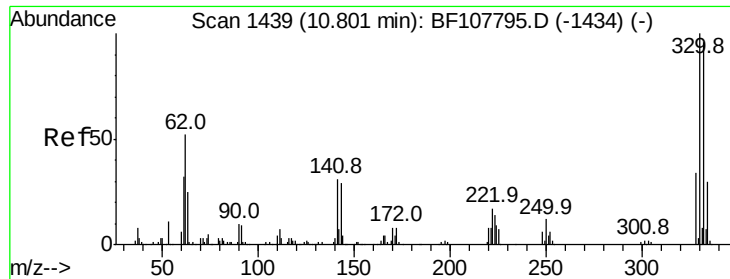
Ion Ratio Lower Upper

164 100

162 91.7 86.1 129.1

160 68.9 38.3 57.5#

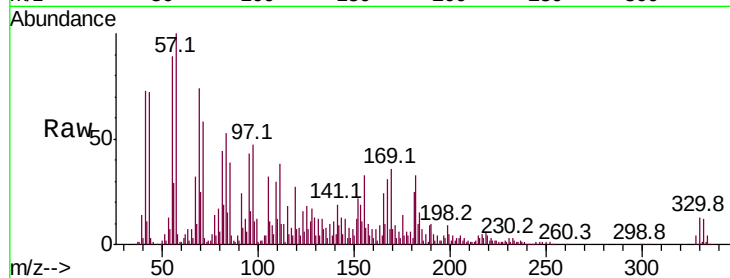




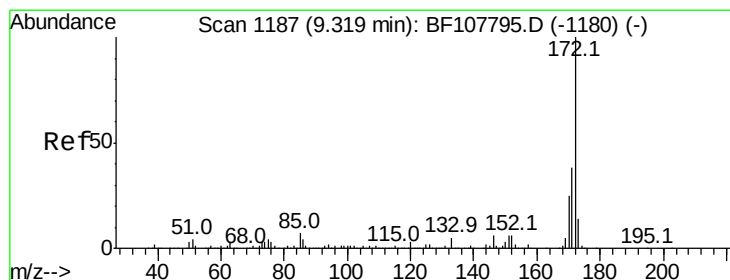
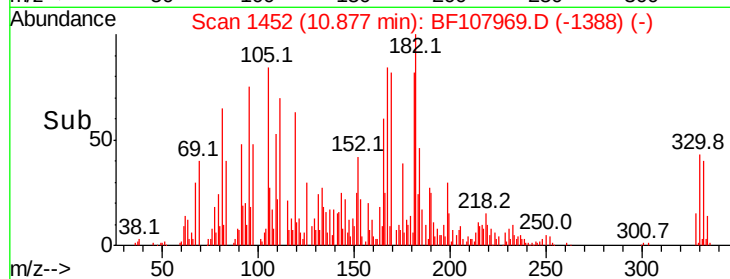
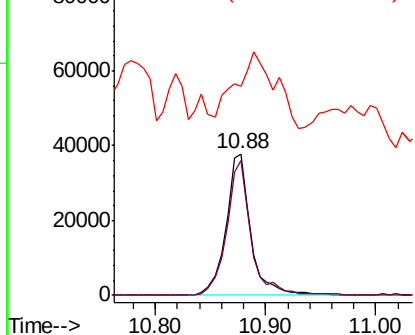
#41
 2,4,6-Tribromophenol
 Concen: 49.346 ng
 RT: 10.88 min Scan# 1452
 Delta R.T. 0.08 min
 Lab File: BF107969.D
 Acq: 4 Aug 2018 5:54

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	88.0	29.9	44.9#

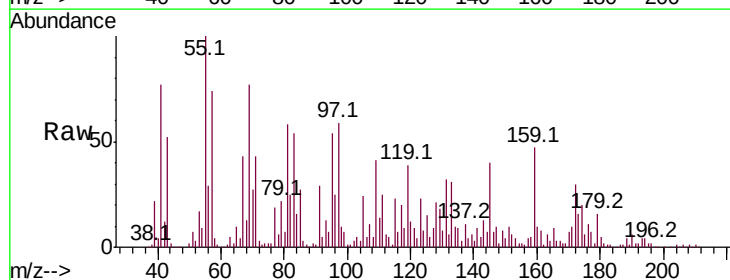


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

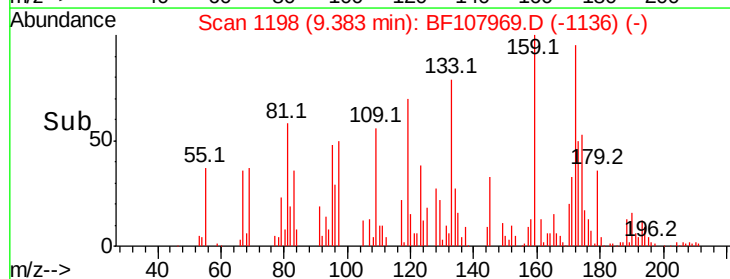
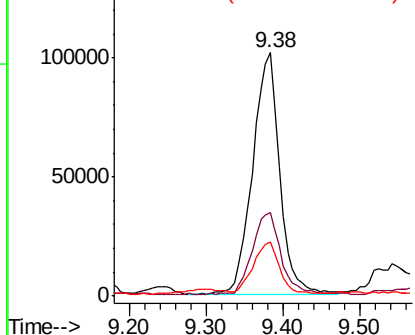


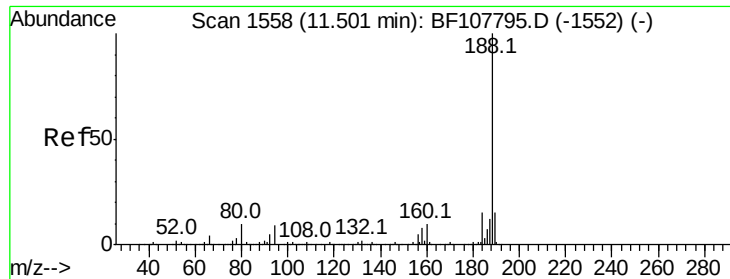
#44
 2-Fluorobiphenyl
 Concen: 40.062 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.06 min
 Lab File: BF107969.D
 Acq: 4 Aug 2018 5:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	22.1	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.57 min Scan# 1569

Delta R.T. 0.06 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Instrument :

BNA_F

ClientSampled :

TP-3

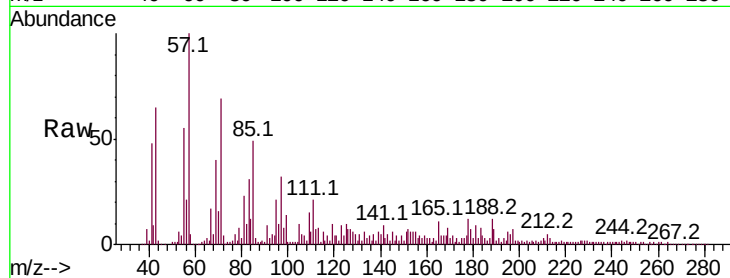
Tot Ion:188 Resp: 78979

Ion Ratio Lower Upper

188 100

94 30.9 8.5 12.7#

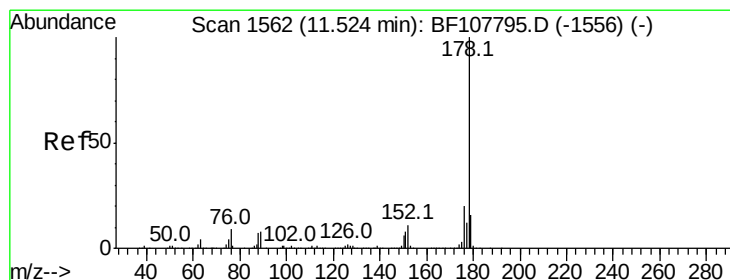
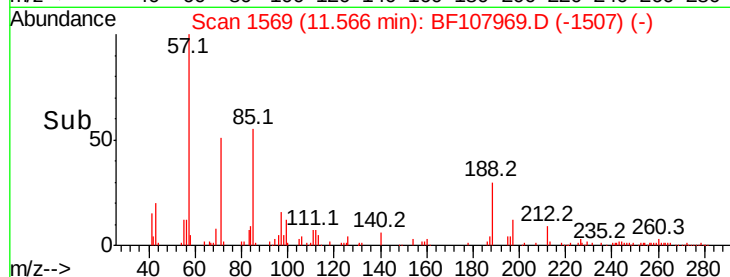
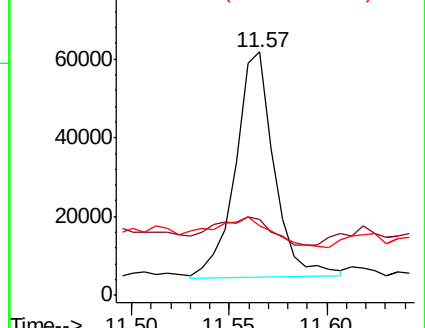
80 28.8 9.2 13.8#



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: 240.924 ng

RT: 11.59 min Scan# 1574

Delta R.T. 0.07 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

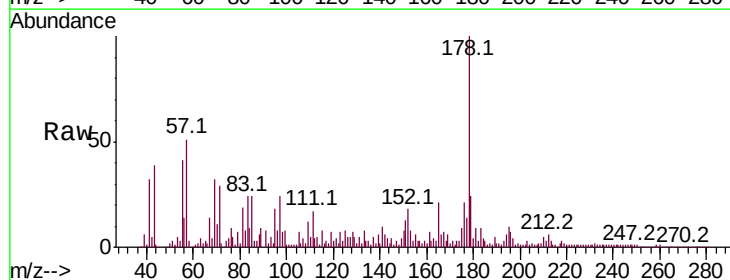
Tgt Ion:178 Resp: 903505

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

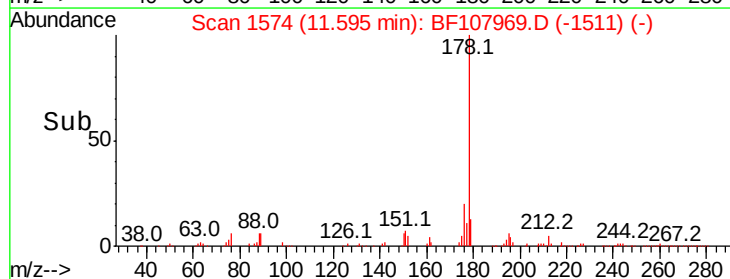
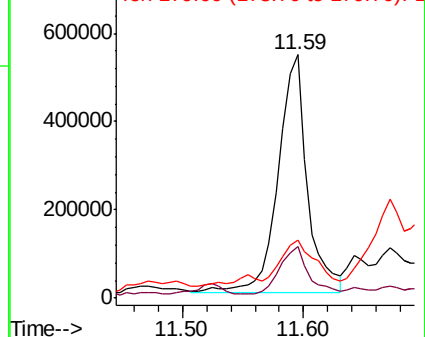
179 23.9 13.0 19.6#

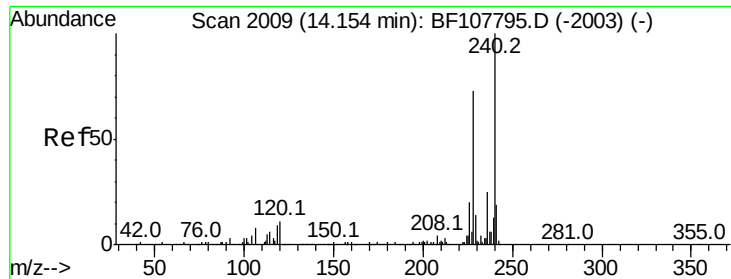


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

Instrument :

BNA_F

ClientSampleId :

TP-3

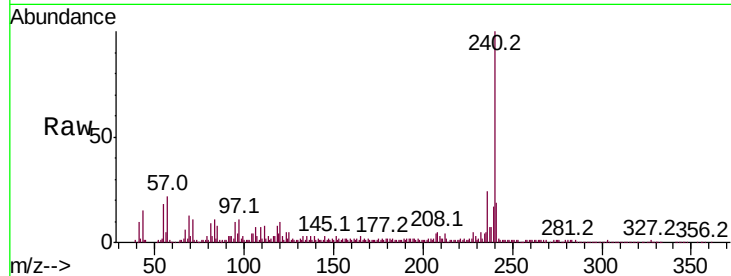
Tot Ion:240 Resp: 194557

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

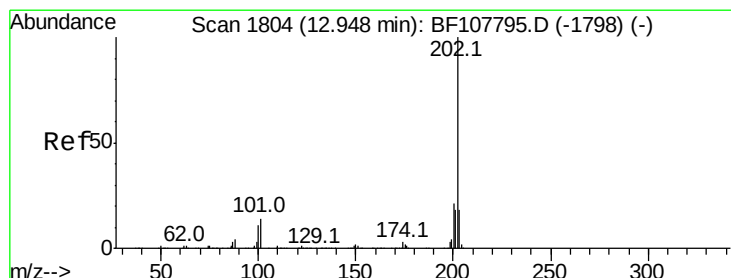
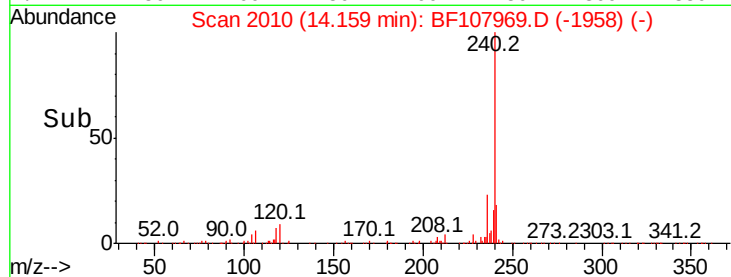
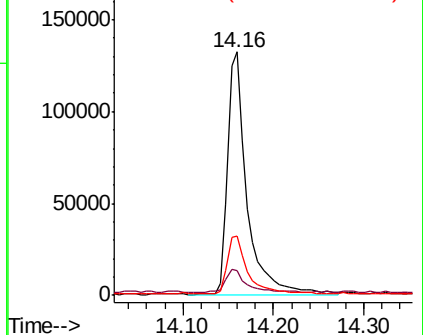
236 24.4 20.7 31.1



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: 4.397 ng

RT: 12.98 min Scan# 1810

Delta R.T. 0.04 min

Lab File: BF107969.D

Acq: 4 Aug 2018 5:54

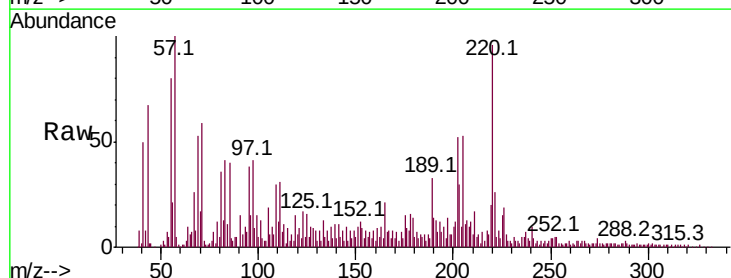
Tgt Ion:202 Resp: 61599

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

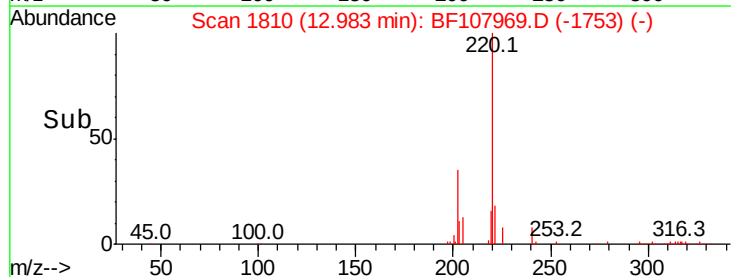
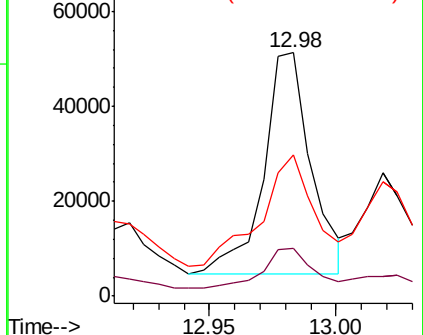
203 58.0 14.3 21.5#

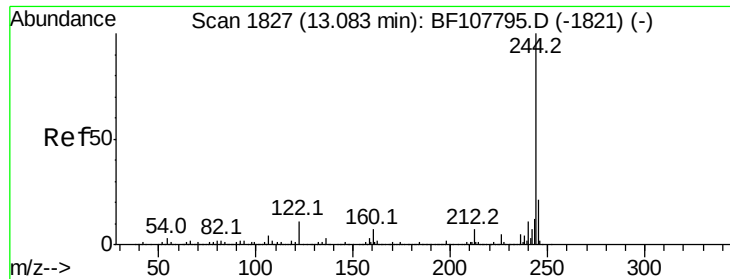


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

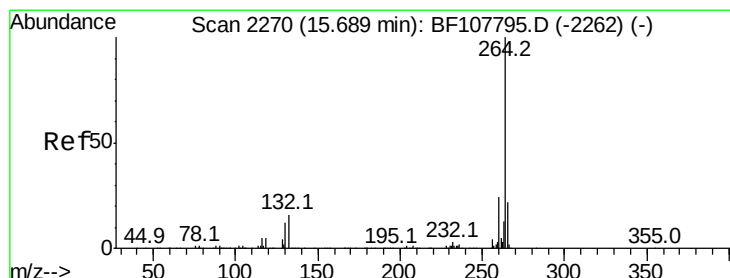
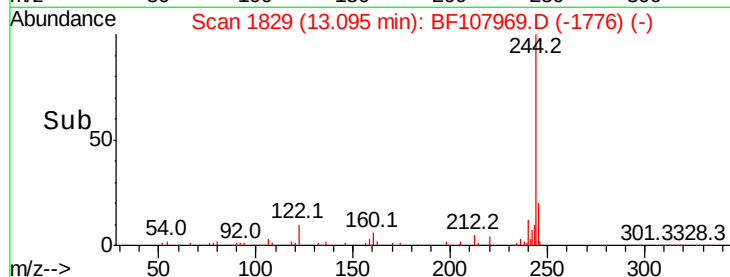
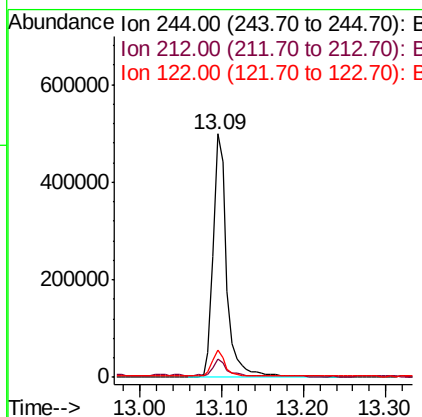
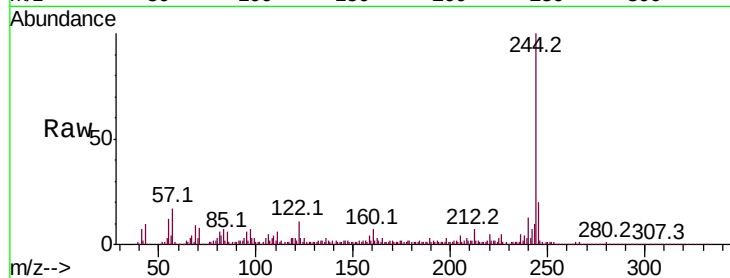




#78
 Terphenyl-d14
 Concen: 63.959 ng
 RT: 13.09 min Scan# 1829
 Delta R.T. 0.01 min
 Lab File: BF107969.D
 Acq: 4 Aug 2018 5:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion:244 Resp: 573857
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 11.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF107969.D
 Acq: 4 Aug 2018 5:54

Tgt Ion:264 Resp: 141286
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 23.6 17.5 26.3

