

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
 Data File : BF107918.D
 Acq On : 2 Aug 2018 19:18
 Operator : JU/SJ
 Sample : J4267-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-S

Quant Time: Aug 03 03:21:21 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

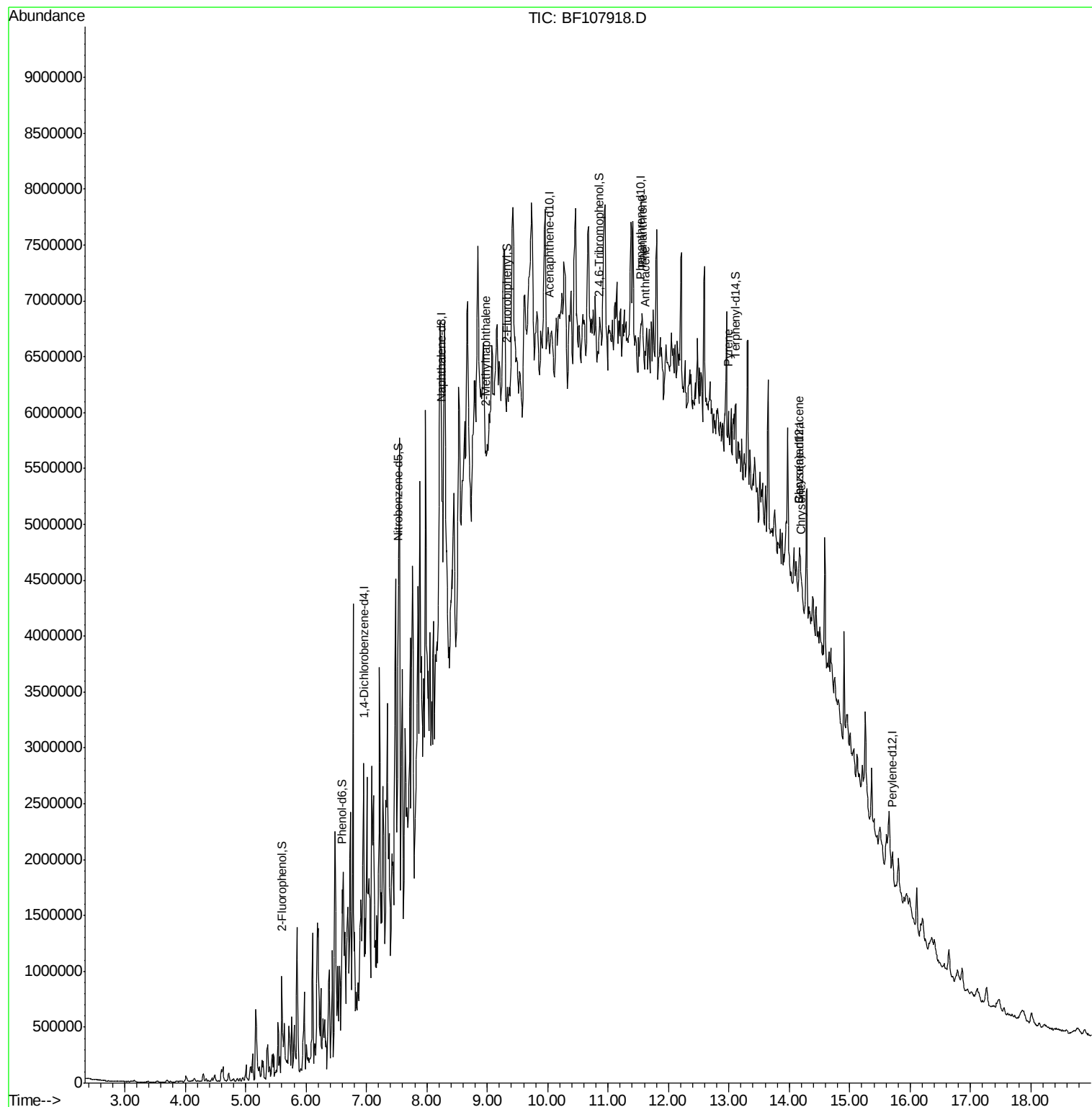
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	95688	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	240999	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	115353	20.00	ng	0.02
63) Phenanthrene-d10	11.54	188	140257	20.00	ng	0.04
75) Chrysene-d12	14.18	240	227642	20.00	ng	0.02
86) Perylene-d12	15.71	264	228811	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	645837	114.71	ng	0.00
7) Phenol-d6	6.60	99	695149	93.68	ng	0.00
23) Nitrobenzene-d5	7.52	82	254501	60.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	99516	63.49	ng	0.04
44) 2-Fluorobiphenyl	9.33	172	479847	57.97	ng	0.01
78) Terphenyl-d14	13.11	244	519433	49.48	ng	0.02
Target Compounds						
37) 2-Methylnaphthalene	8.98	142	438032	62.248	ng	# 92
70) Phenanthrene	11.57	178	489148	73.447	ng	# 91
71) Anthracene	11.61	178	56224	7.319	ng	# 62
77) Pyrene	12.99	202	263457	16.072	ng	# 78
80) Benzo(a)anthracene	14.17	228	54252	4.207	ng	# 50
82) Chrysene	14.21	228	89113	6.407	ng	# 69

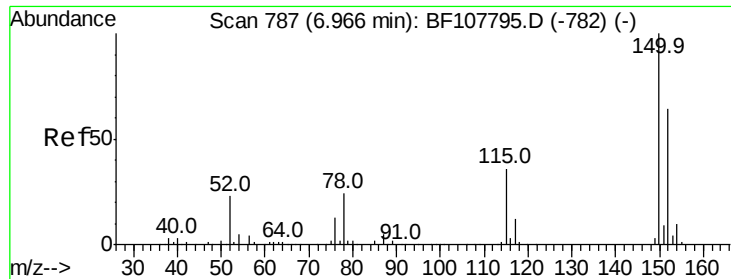
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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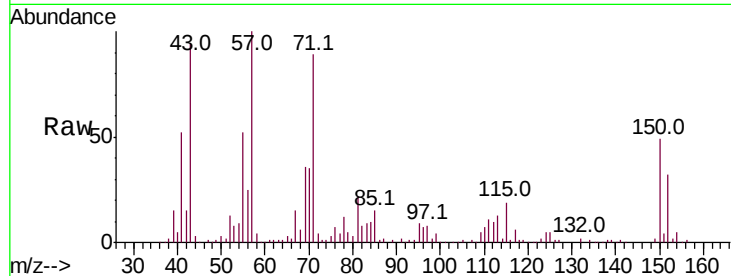


#1

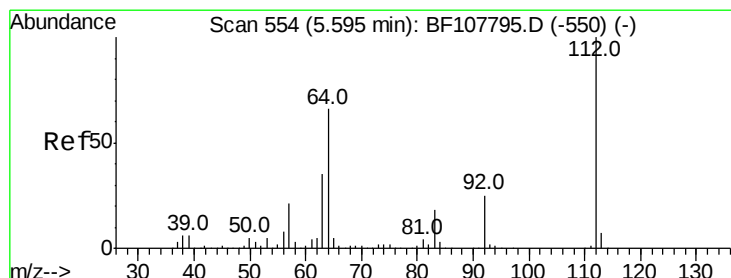
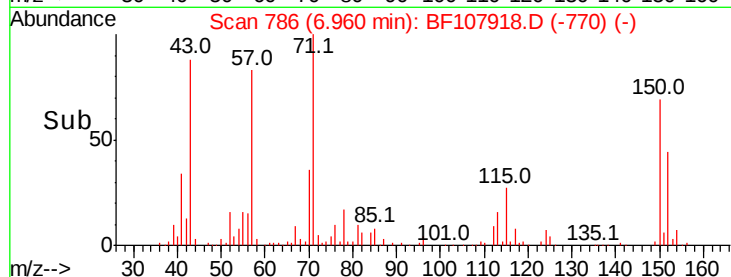
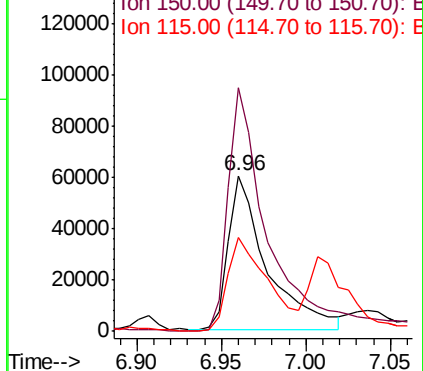
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF107918.D
 Acq: 2 Aug 2018 19:18

Instrument :
 BNA_F
 ClientSampleId :
 UST-S

Tot Ion:152 Resp: 95688
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 60.5 50.1 75.1



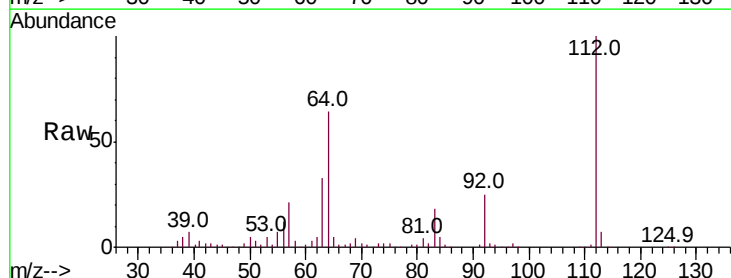
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



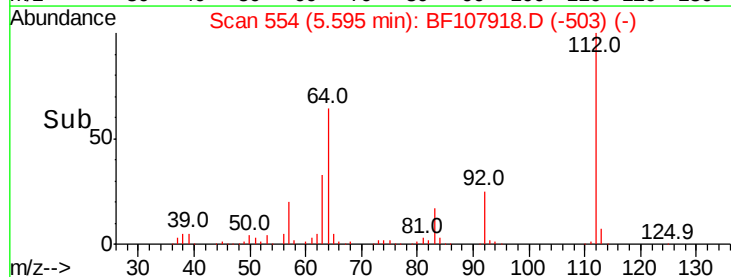
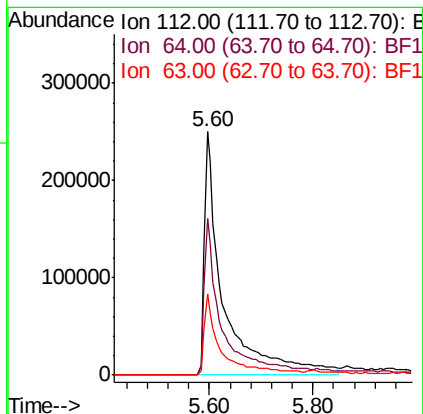
#5

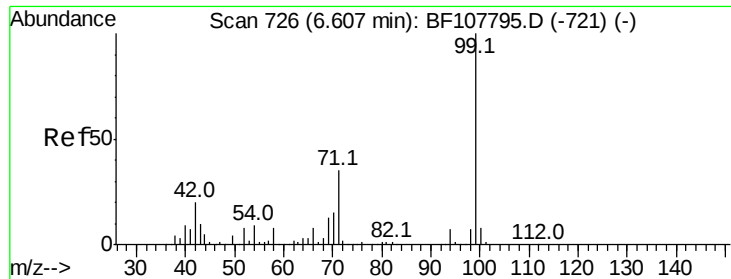
2-Fluorophenol
 Concen: 114.709 ng
 RT: 5.60 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF107918.D
 Acq: 2 Aug 2018 19:18

Tgt Ion:112 Resp: 645837
 Ion Ratio Lower Upper
 112 100
 64 64.2 47.9 71.9
 63 33.1 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: 93.682 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampleId :

UST-S

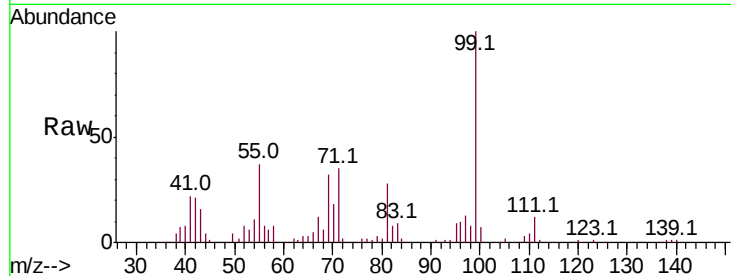
Tot Ion: 99 Resp: 695149

Ion Ratio Lower Upper

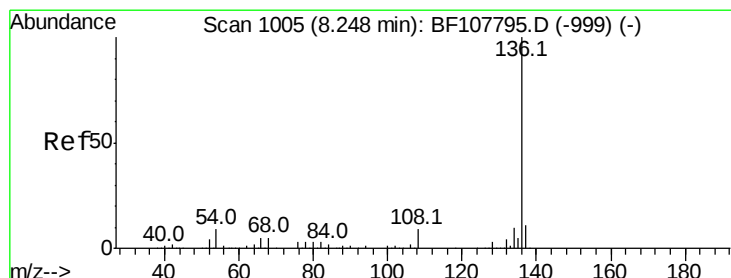
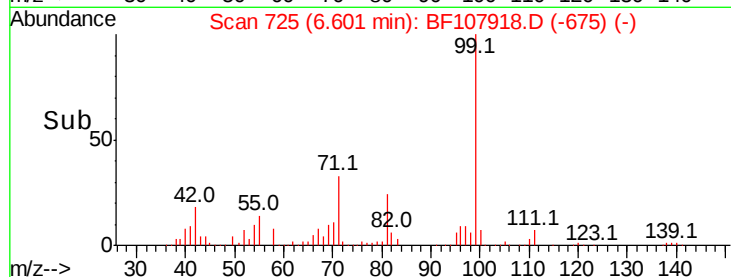
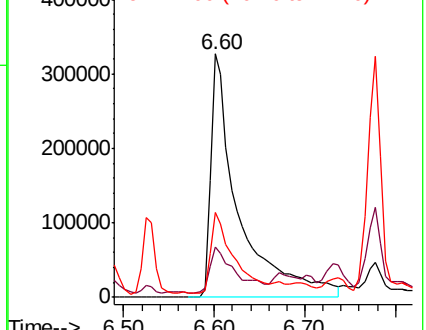
99 100

42 20.6 14.5 21.7

71 34.7 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: BF107918.D

Acq: 2 Aug 2018 19:18

Tgt Ion: 136 Resp: 240999

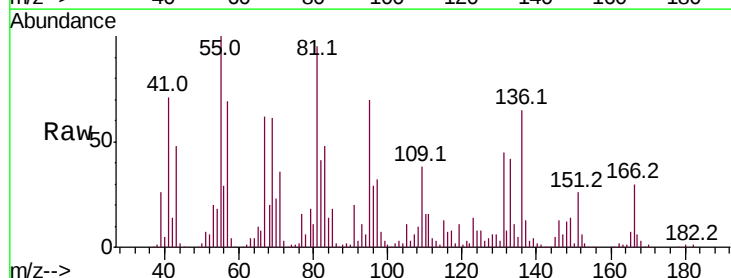
Ion Ratio Lower Upper

136 100

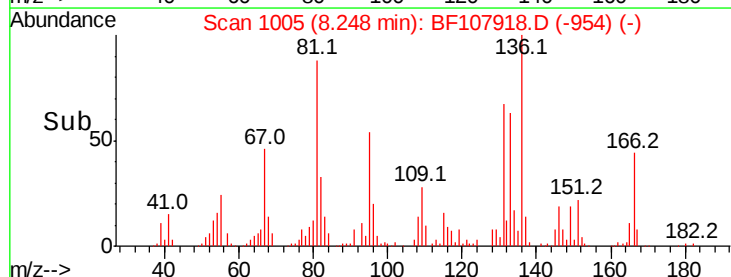
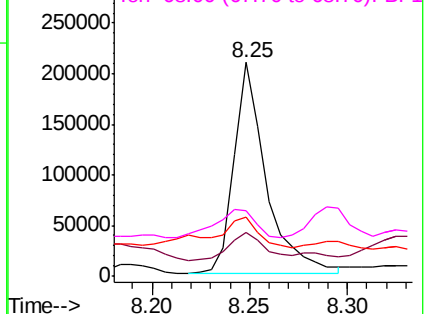
137 20.5 8.9 13.3#

54 27.7 6.6 9.8#

68 30.7 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

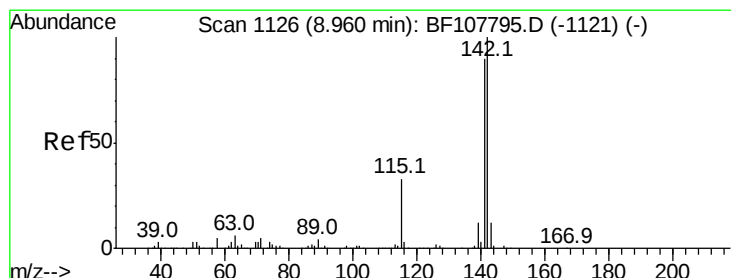
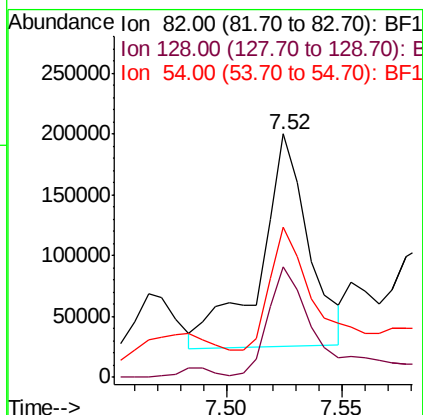
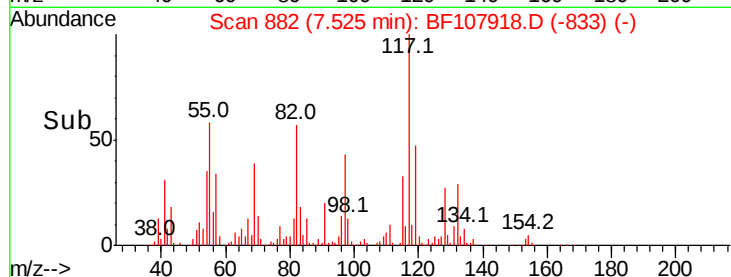
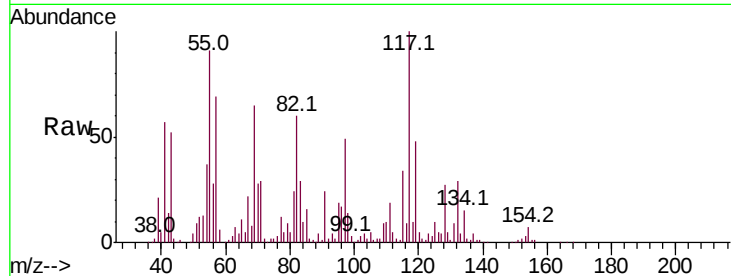




#23
Nitrobenzene-d5
Concen: 60.838 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107918.D
Acq: 2 Aug 2018 19:18

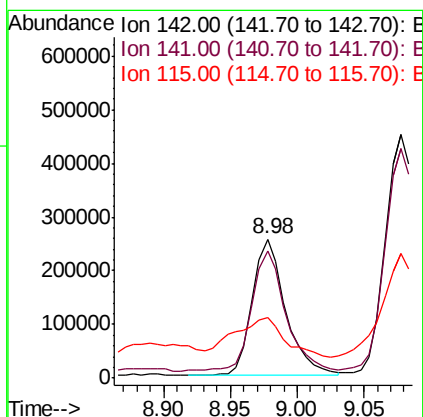
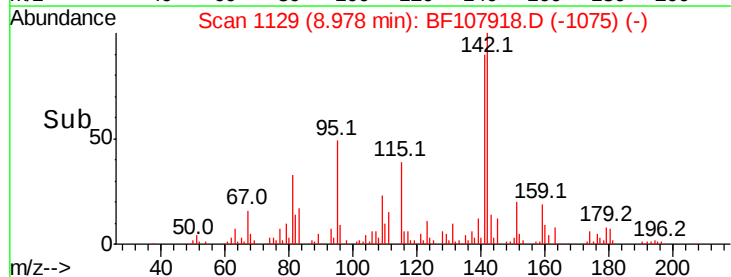
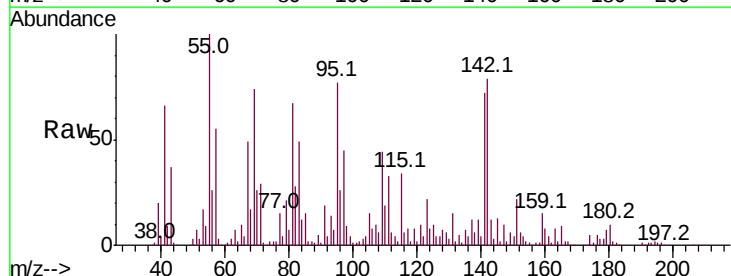
Instrument :
BNA_F
ClientSampleId :
UST-S

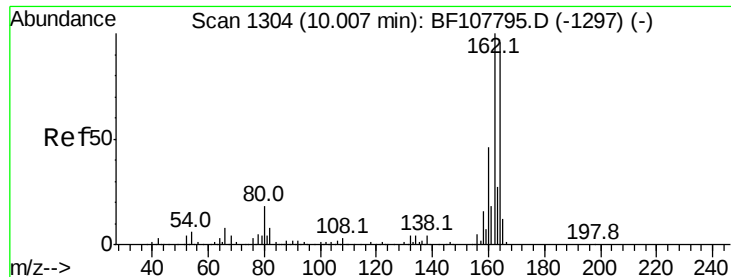
Tot Ion: 82 Resp: 254501
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 61.8 41.4 62.2



#37
2-Methylnaphthalene
Concen: 62.248 ng
RT: 8.98 min Scan# 1129
Delta R.T. 0.02 min
Lab File: BF107918.D
Acq: 2 Aug 2018 19:18

Tgt Ion:142 Resp: 438032
Ion Ratio Lower Upper
142 100
141 91.7 70.8 106.2
115 43.6 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampleId :

UST-S

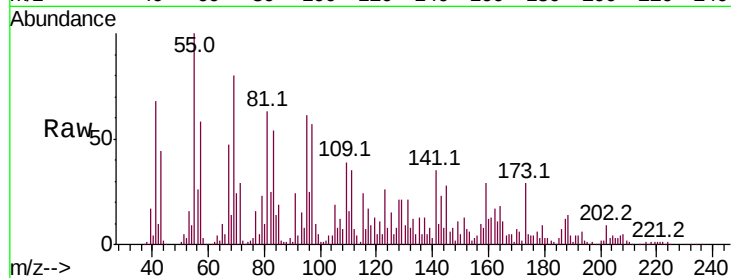
Tot Ion:164 Resp: 115353

Ion Ratio Lower Upper

164 100

162 97.9 86.1 129.1

160 70.1 38.3 57.5#

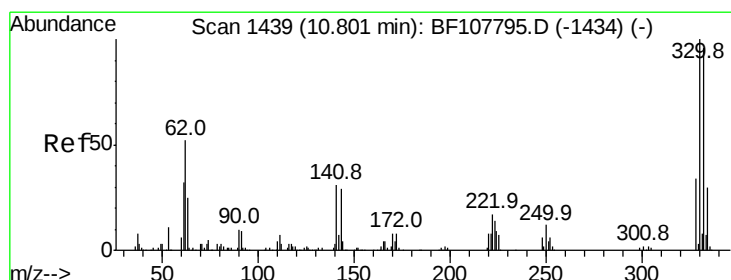
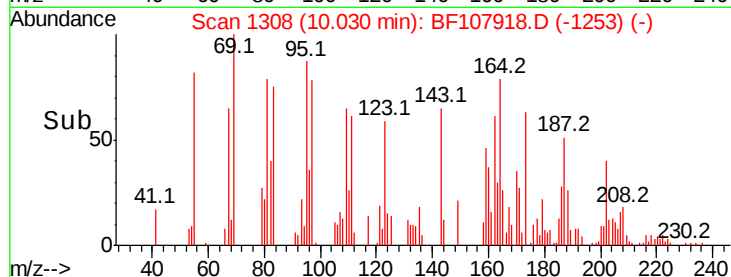
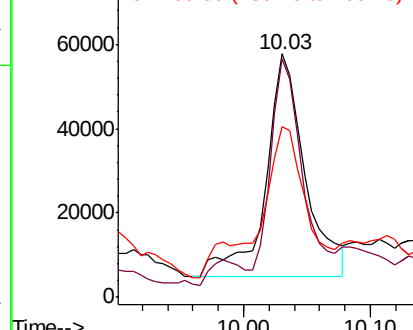


Abundance

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: 63.491 ng

RT: 10.84 min Scan# 1446

Delta R.T. 0.04 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

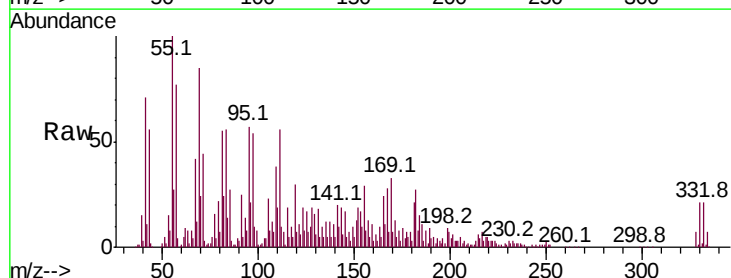
Tgt Ion:330 Resp: 99516

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 51.2 29.9 44.9#

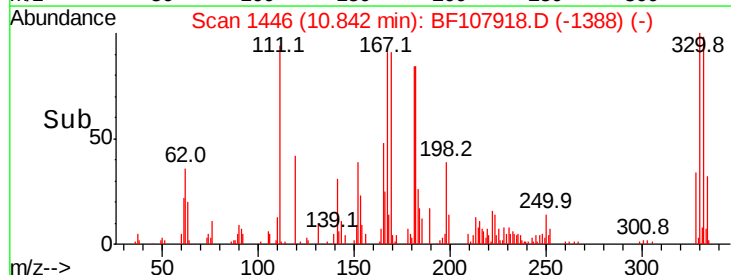
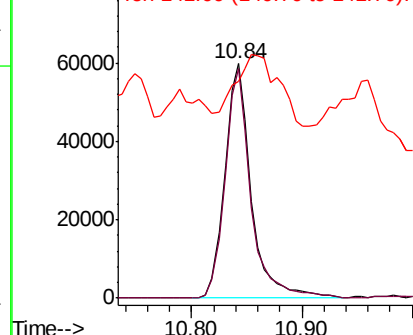


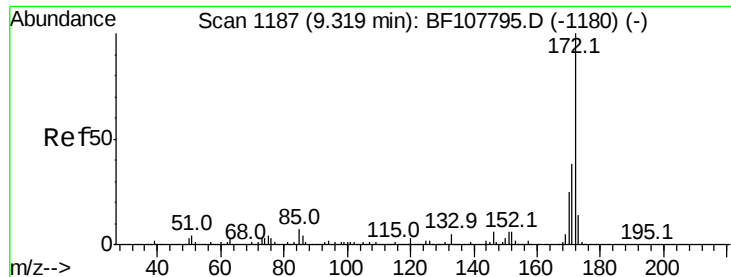
Abundance

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: 57.967 ng

RT: 9.33 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampleId :

UST-S

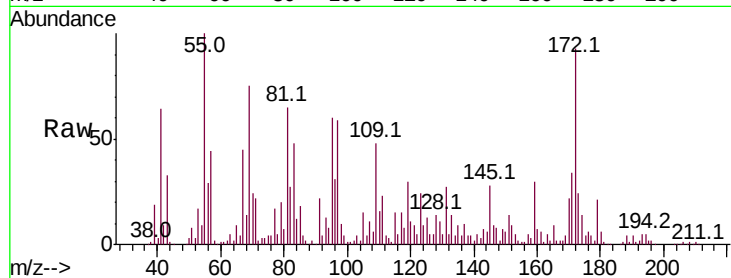
Tot Ion:172 Resp: 479847

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

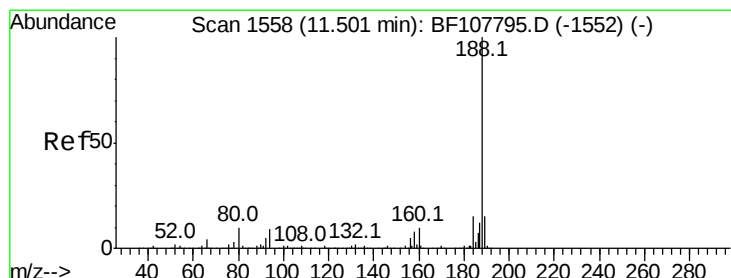
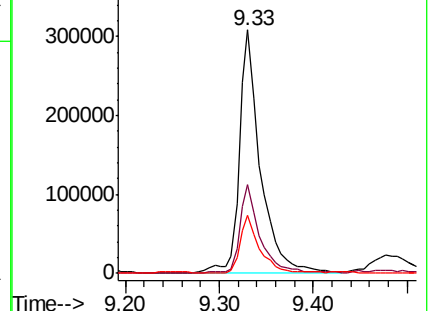
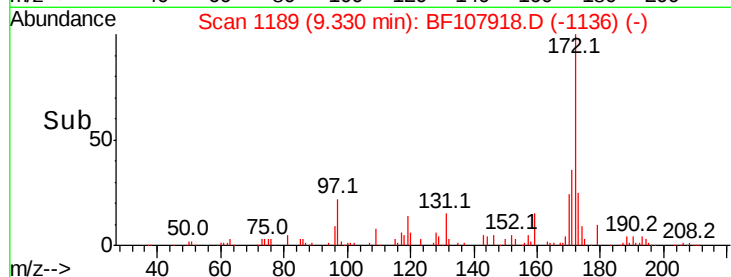
170 23.9 19.6 29.4



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: 11.54 min Scan# 1564

Delta R.T. 0.04 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

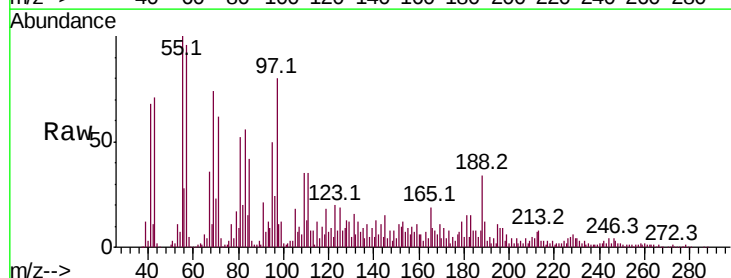
Tgt Ion:188 Resp: 140257

Ion Ratio Lower Upper

188 100

94 26.0 8.5 12.7#

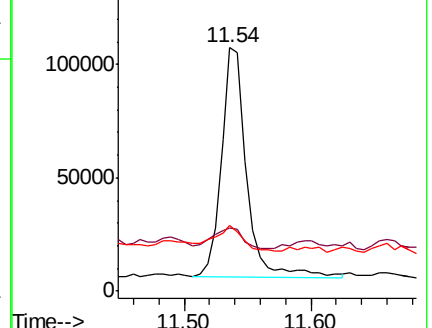
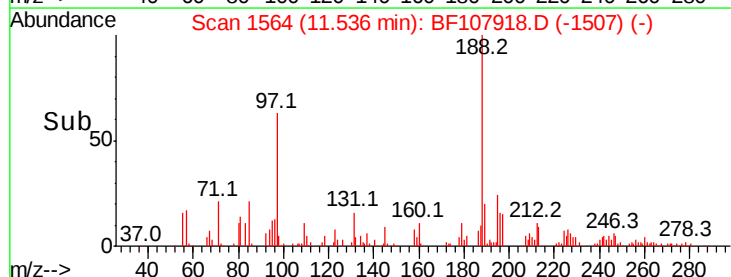
80 27.0 9.2 13.8#

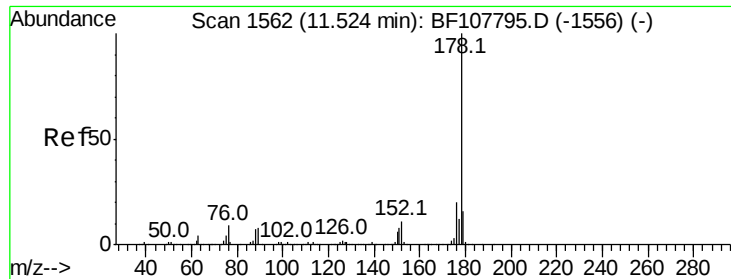


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

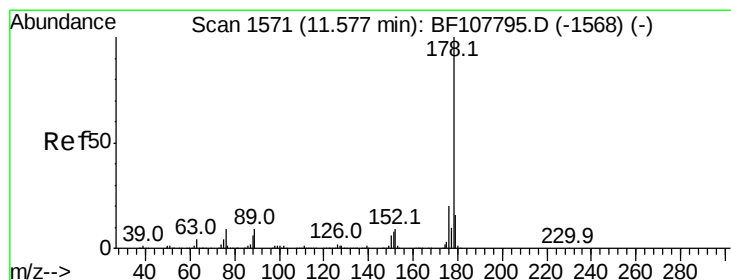
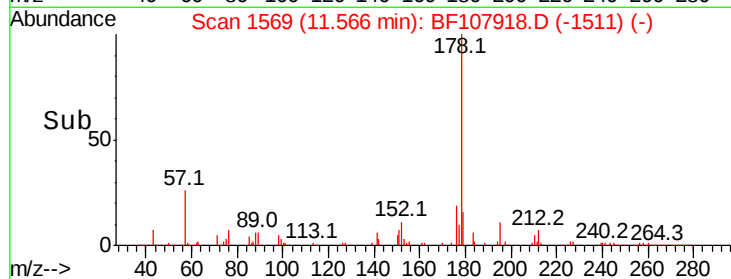
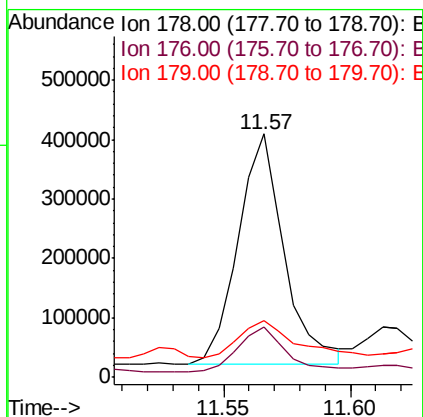
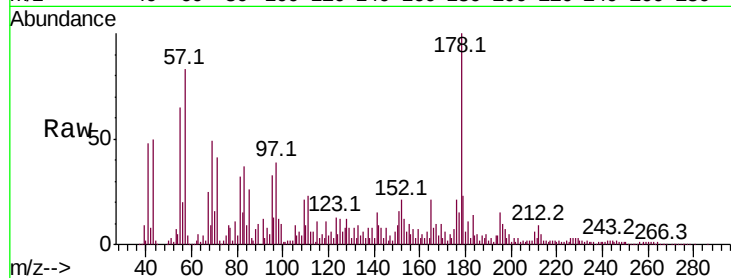




#70
Phenanthrene
Concen: 73.447 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.04 min
Lab File: BF107918.D
Acq: 2 Aug 2018 19:18

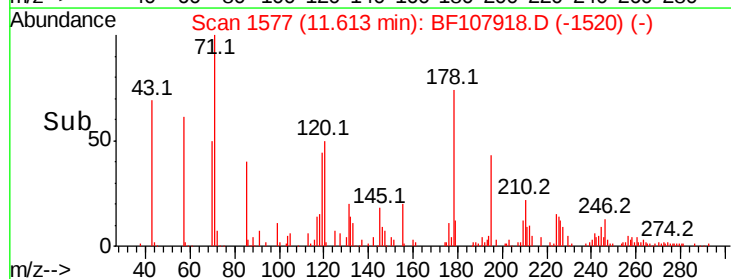
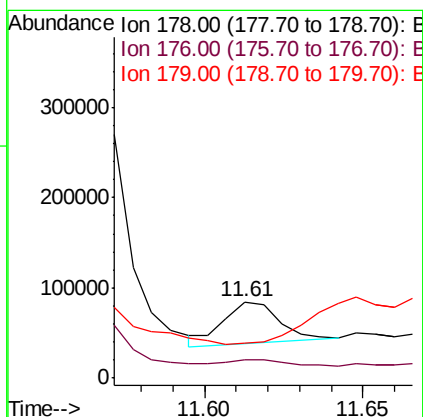
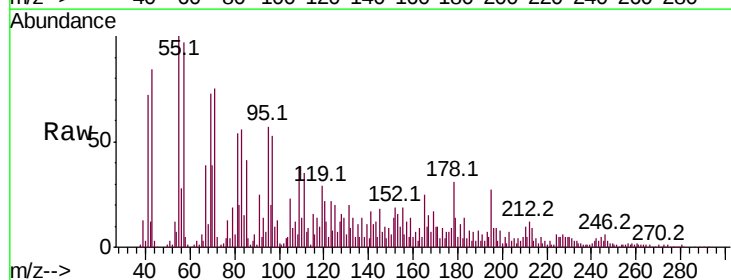
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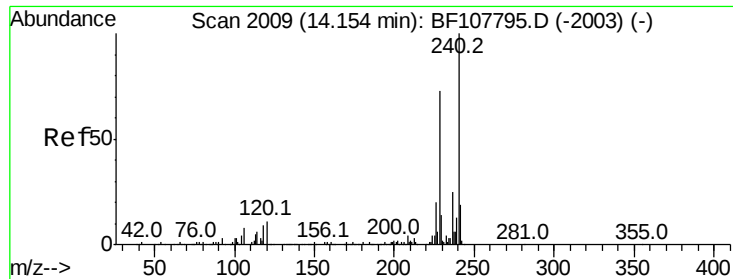
Tot Ion:178 Resp: 489148
Ion Ratio Lower Upper
178 100
176 20.9 15.8 23.8
179 23.2 13.0 19.6#



#71
Anthracene
Concen: 7.319 ng
RT: 11.61 min Scan# 1577
Delta R.T. 0.04 min
Lab File: BF107918.D
Acq: 2 Aug 2018 19:18

Tgt Ion:178 Resp: 56224
Ion Ratio Lower Upper
178 100
176 23.9 15.4 23.2#
179 46.0 12.6 19.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampled :

UST-S

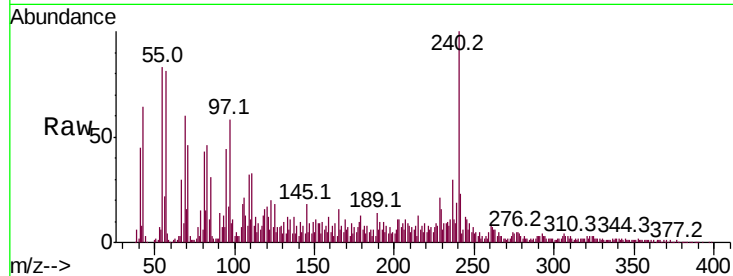
Tot Ion:240 Resp: 227642

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

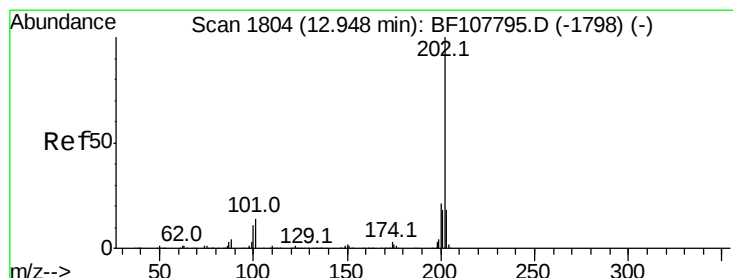
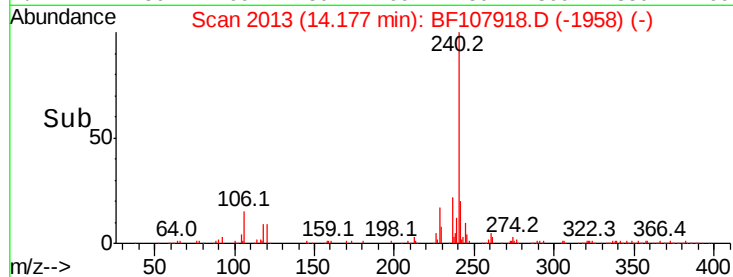
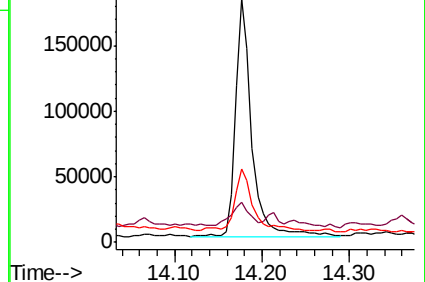
236 29.9 20.7 31.1



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: 16.072 ng

RT: 12.99 min Scan# 1811

Delta R.T. 0.04 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

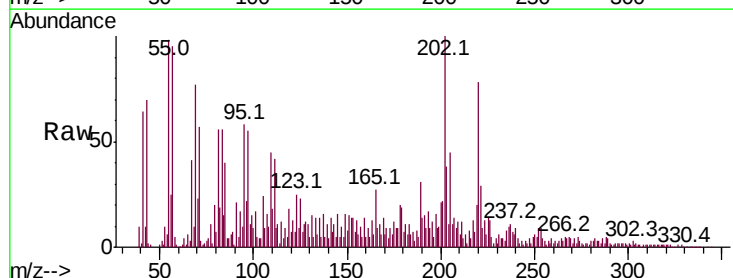
Tgt Ion:202 Resp: 263457

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

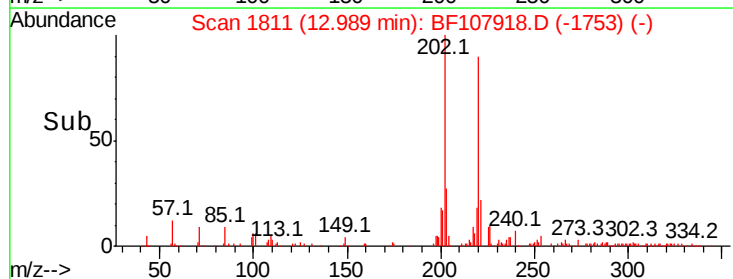
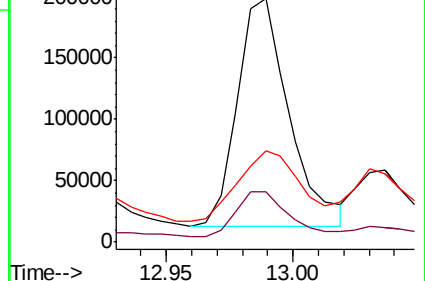
203 37.8 14.3 21.5#

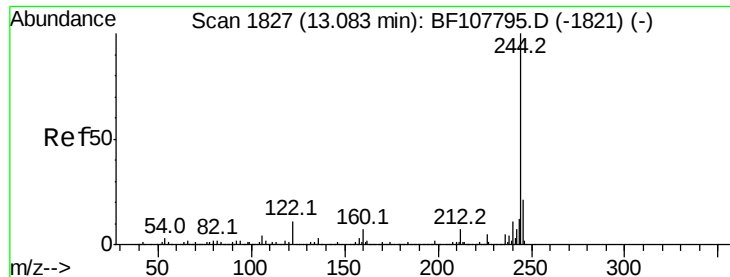


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.479 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampleId :

UST-S

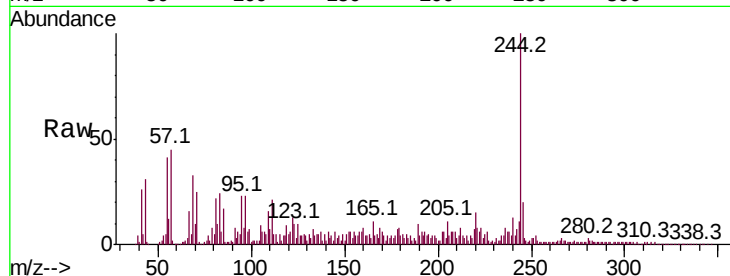
Tot Ion:244 Resp: 519433

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

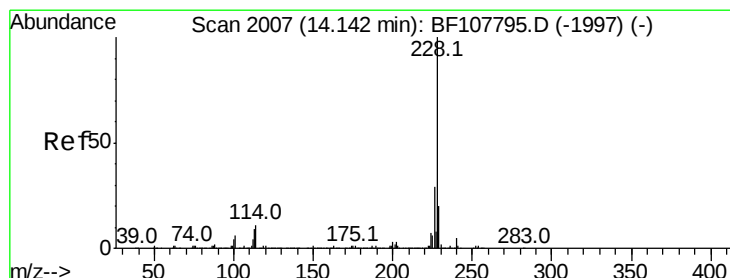
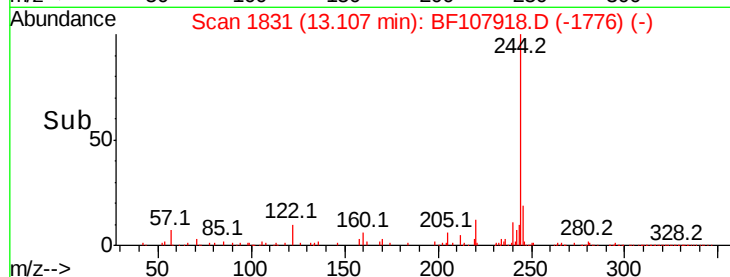
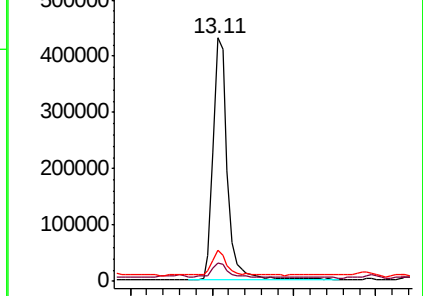
122 12.7 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 4.207 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

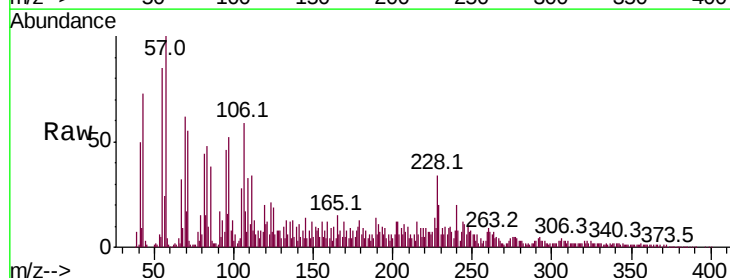
Tgt Ion:228 Resp: 54252

Ion Ratio Lower Upper

228 100

226 40.3 22.6 33.8#

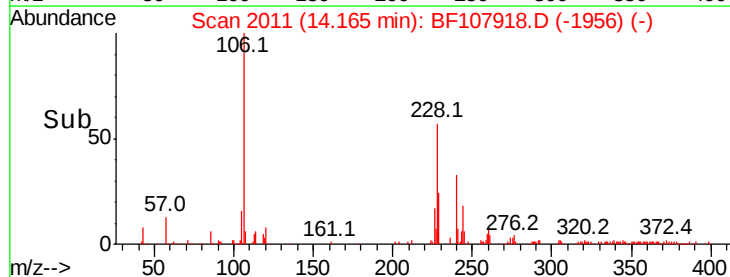
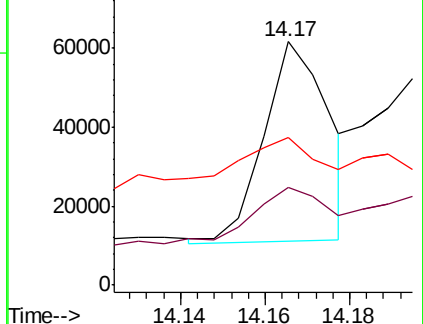
229 60.5 15.8 23.6#

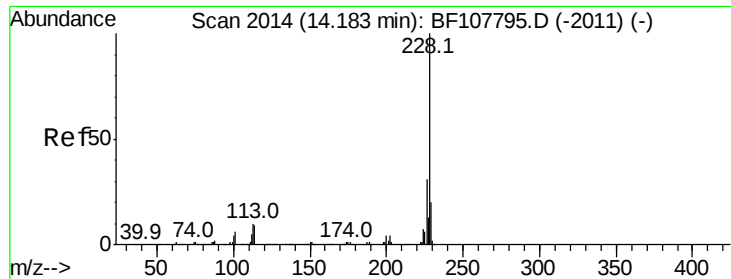


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.407 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

Instrument :

BNA_F

ClientSampleId :

UST-S

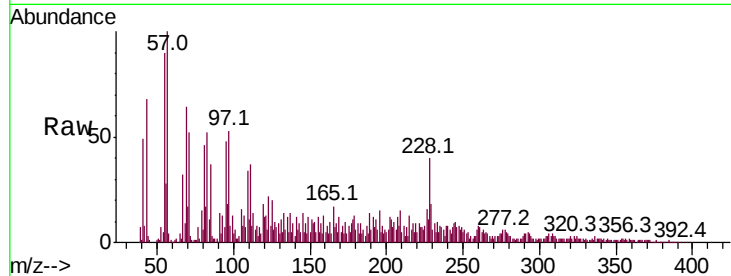
Tot Ion:228 Resp: 89113

Ion Ratio Lower Upper

228 100

226 40.2 25.0 37.6#

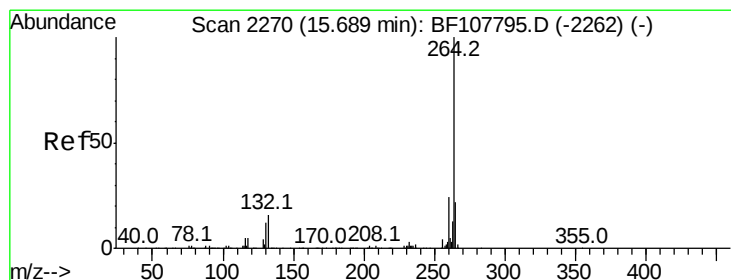
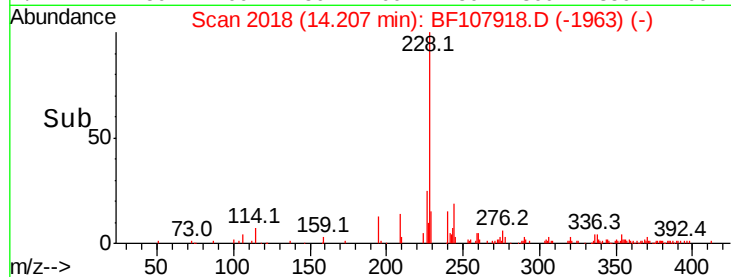
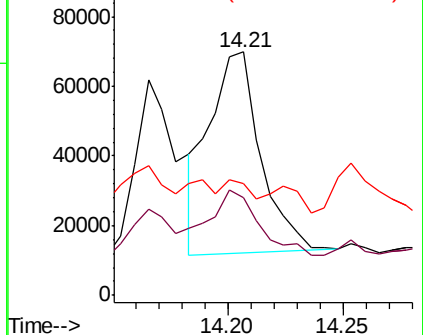
229 45.7 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.02 min

Lab File: BF107918.D

Acq: 2 Aug 2018 19:18

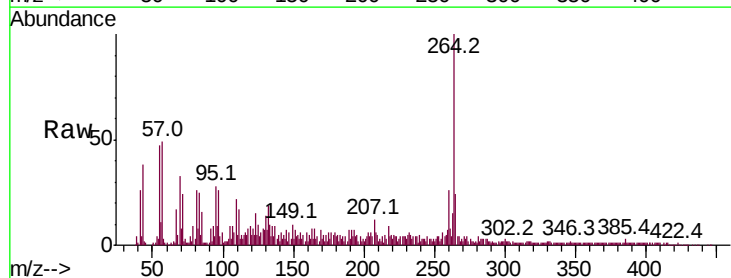
Tgt Ion:264 Resp: 228811

Ion Ratio Lower Upper

264 100

260 25.8 19.2 28.8

265 23.6 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

