

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107955.D
 Acq On : 3 Aug 2018 23:10
 Operator : JU/SJ
 Sample : J4310-07 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 04:08:15 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

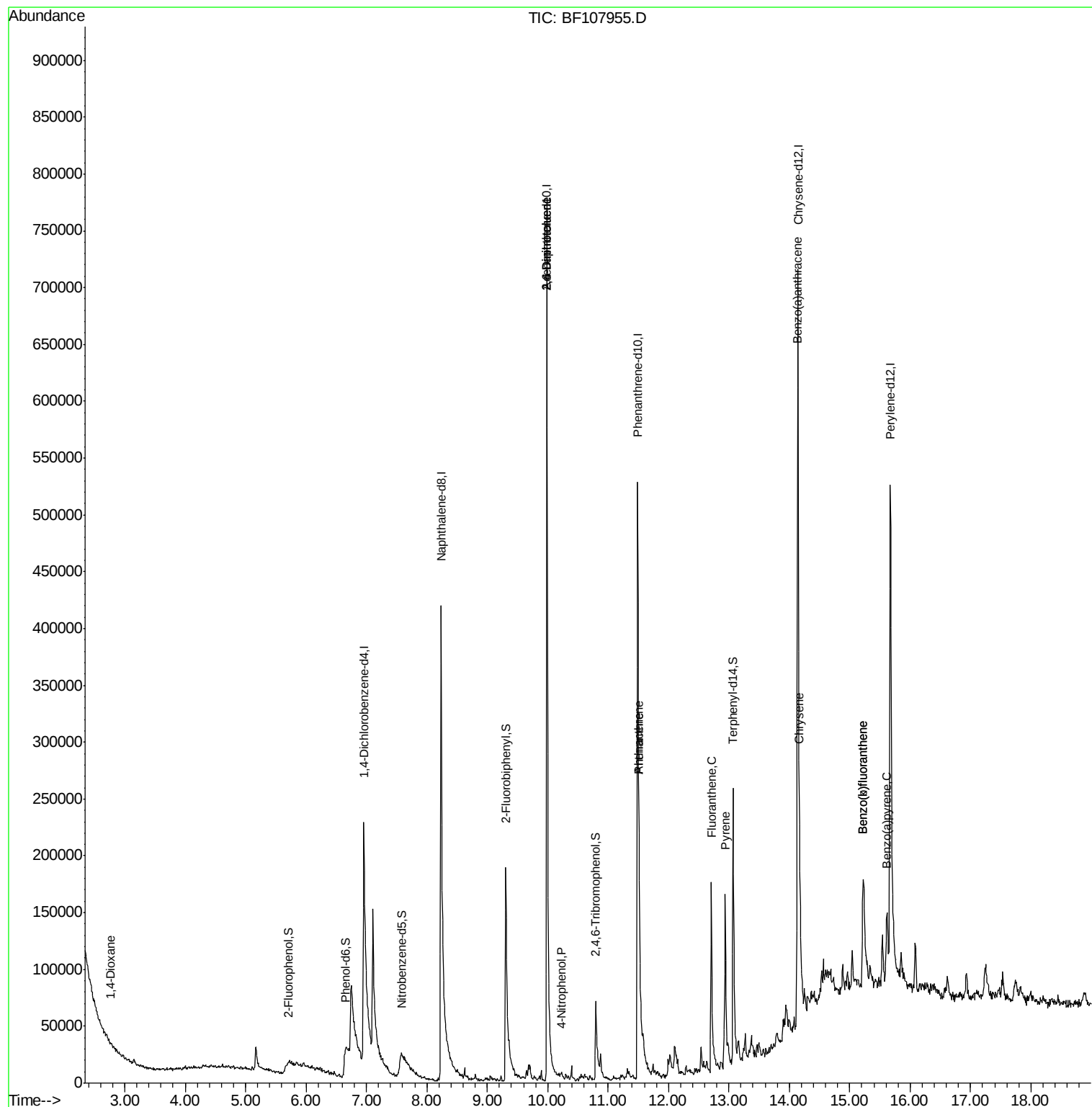
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	99776	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	524218	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	217907	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	385224	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	348311	20.00	ng	-0.01
86) Perylene-d12	15.67	264	350019	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	15131	2.58	ng	0.11
7) Phenol-d6	6.66	99	25363	3.28	ng	0.05
23) Nitrobenzene-d5	7.58	82	27601	3.03	ng	0.05
41) 2,4,6-Tribromophenol	10.80	330	25477	8.60	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	173120	11.07	ng	-0.01
78) Terphenyl-d14	13.07	244	154666	9.63	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.77	88	408	5.924	ng	# 1
50) 2,6-Dinitrotoluene	9.99	165	26506	7.453	ng	# 24
55) 4-Nitrophenol	10.22	139	1086	9.767	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	26853	5.745	ng	# 21
70) Phenanthrene	11.51	178	66118	3.615	ng	98
71) Anthracene	11.51	178	66118	3.134	ng	99
74) Fluoranthene	12.71	202	117810	5.482	ng	97
77) Pyrene	12.94	202	106079	4.229	ng	97
80) Benzo(a)anthracene	14.13	228	61957	3.140	ng	96
82) Chrysene	14.17	228	62308	2.928	ng	98
87) Benzo(b)fluoranthene	15.22	252	99733	5.777	ng	95
88) Benzo(k)fluoranthene	15.22	252	99733	4.706	ng	97
89) Benzo(a)pyrene	15.61	252	51944	2.915	ng	94

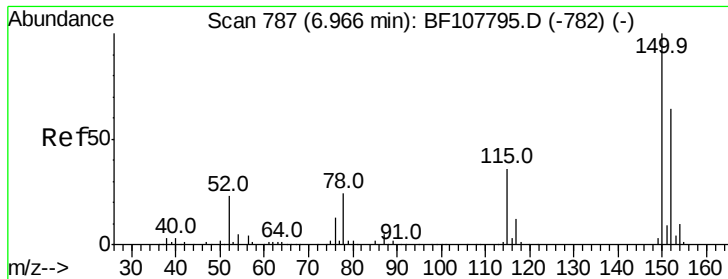
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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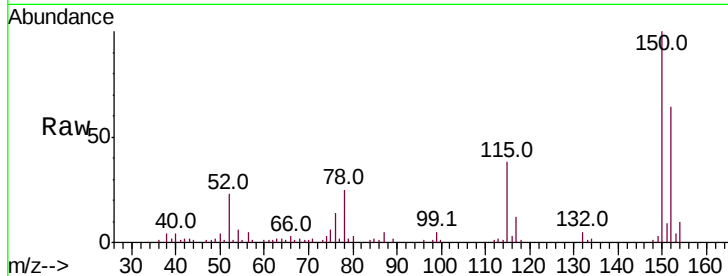


#1

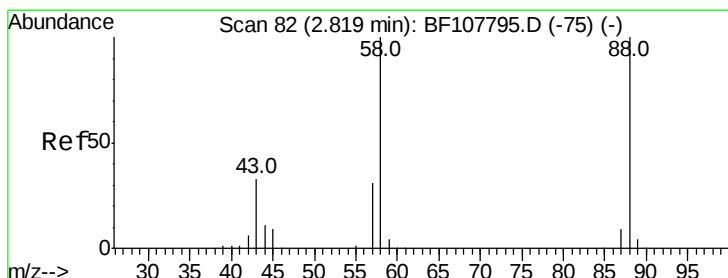
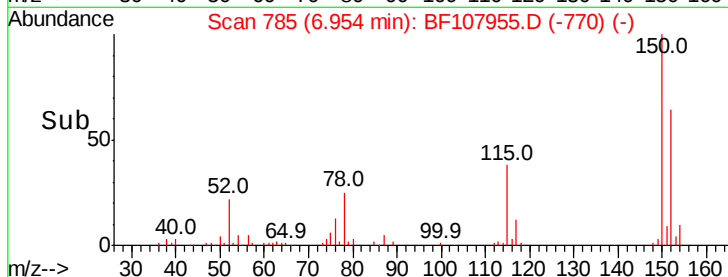
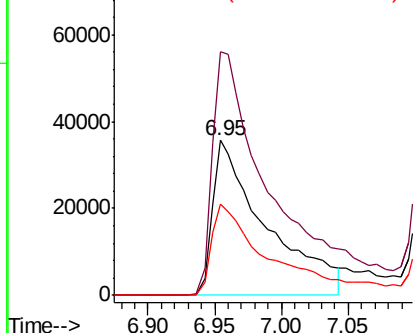
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99776
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 59.3 50.1 75.1



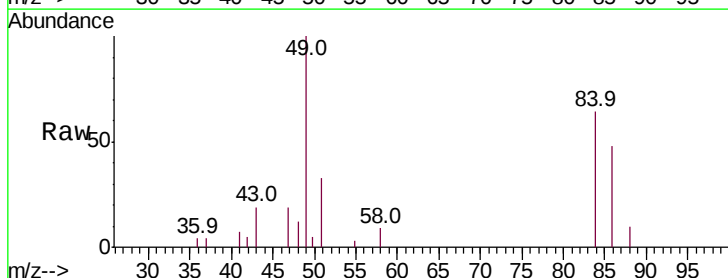
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



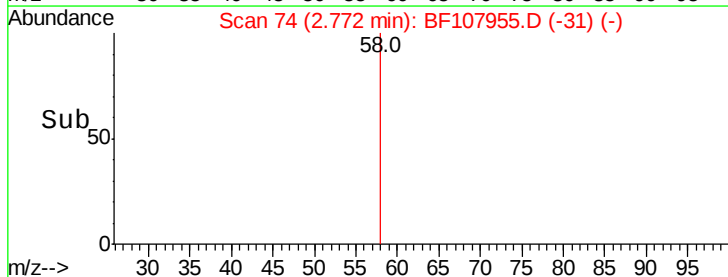
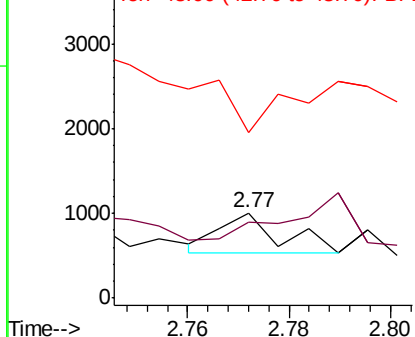
#2

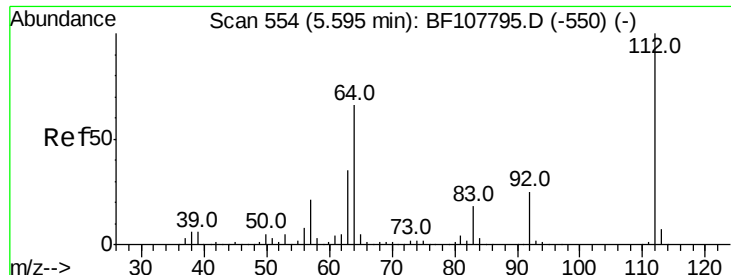
1,4-Dioxane
Concen: 5.924 ng
RT: 2.77 min Scan# 74
Delta R.T. -0.05 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion: 88 Resp: 408
Ion Ratio Lower Upper
88 100
58 136.0 62.6 93.8#
43 246.1 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 2.577 ng

RT: 5.70 min Scan# 572

Delta R.T. 0.11 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

ClientSampled :

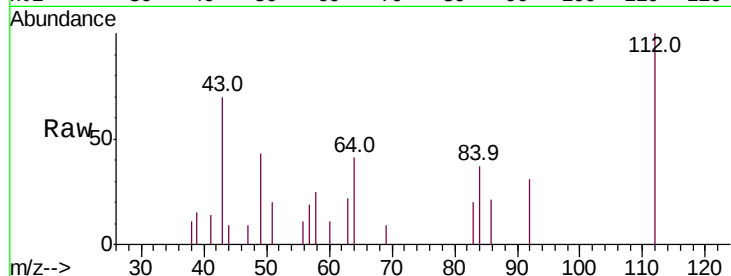
Tot Ion:112 Resp: 15131

Ion Ratio Lower Upper

112 100

64 41.1 47.9 71.9#

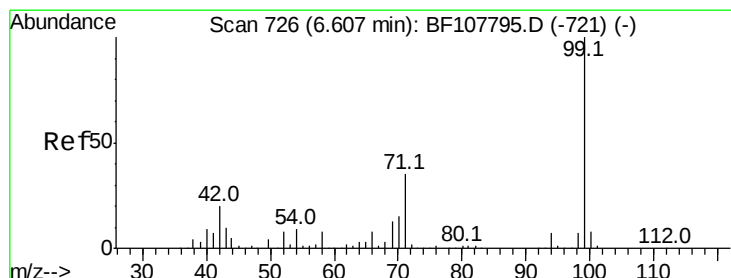
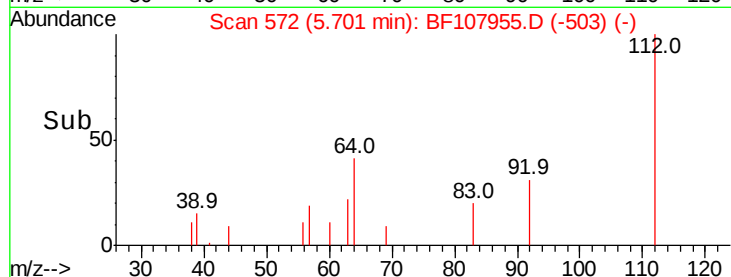
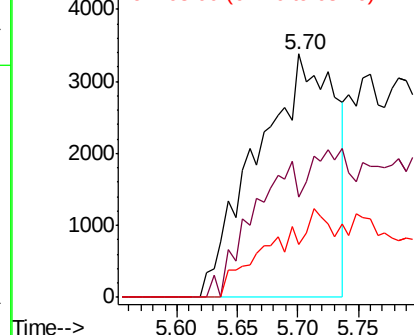
63 21.9 23.7 35.5#



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: 3.278 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.05 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

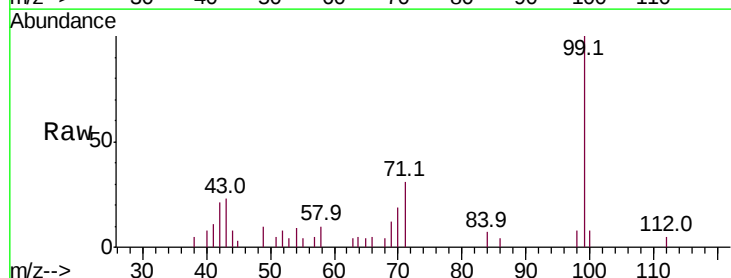
Tgt Ion: 99 Resp: 25363

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

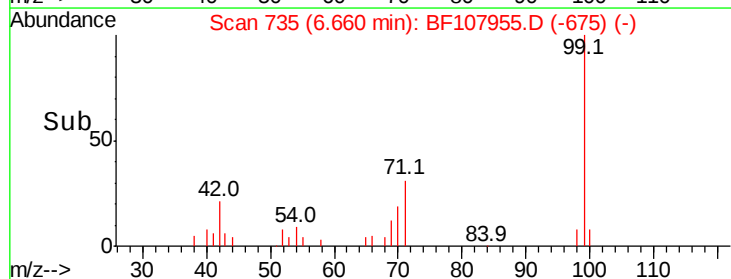
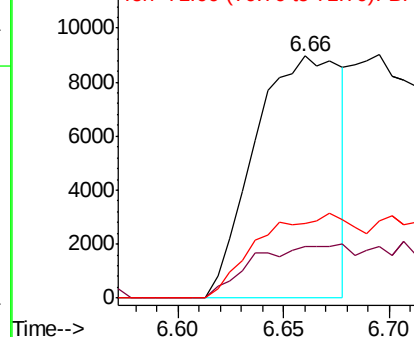
71 30.8 25.4 38.0

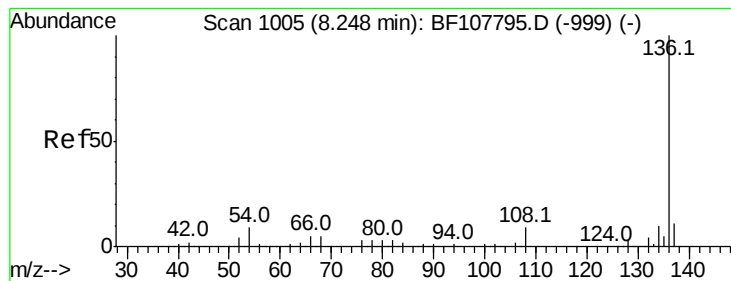


Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

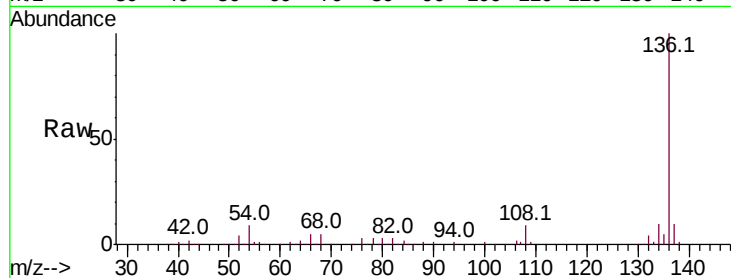
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 524218

Ion Ratio Lower Upper

136	100		
137	10.4	8.9	13.3
54	9.0	6.6	9.8
68	4.9	5.0	7.4

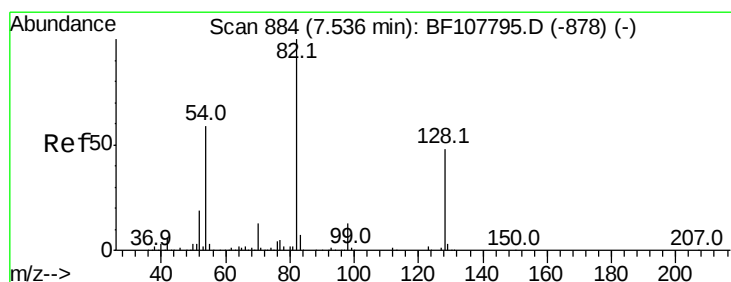
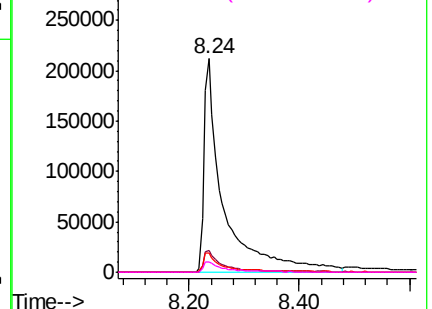
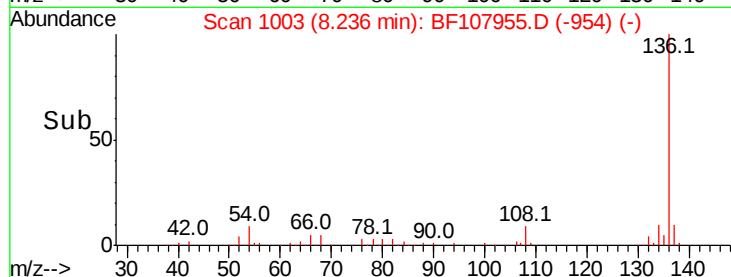


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.033 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.05 min

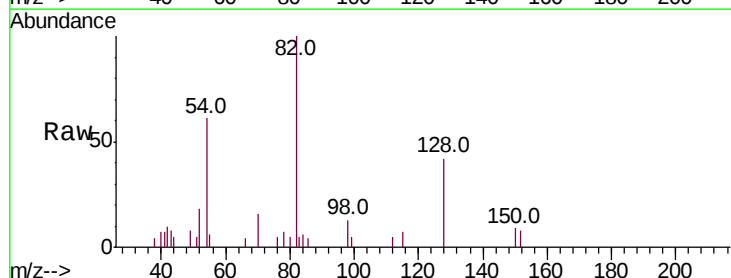
Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Tgt Ion: 82 Resp: 27601

Ion Ratio Lower Upper

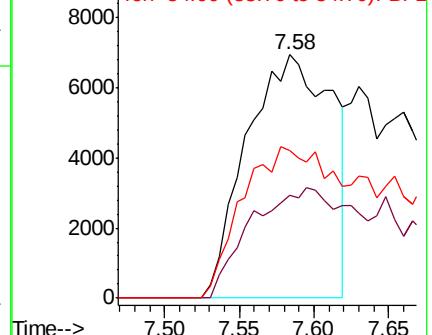
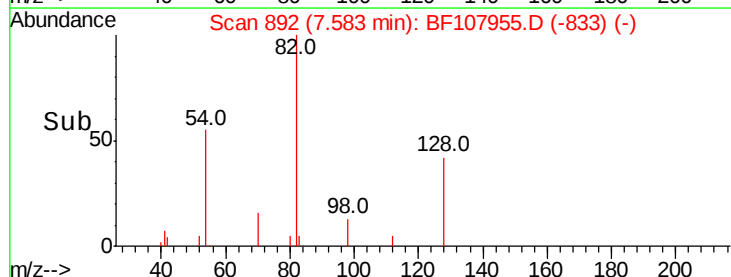
82	100		
128	42.1	36.1	54.1
54	60.7	41.4	62.2

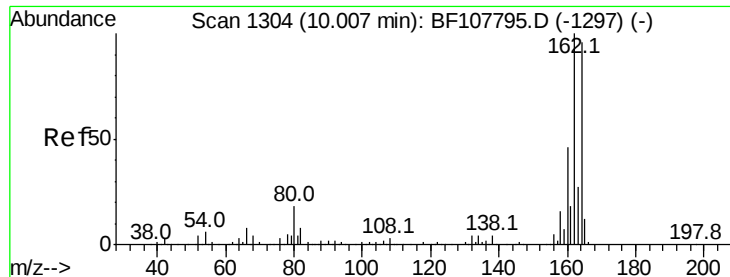


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

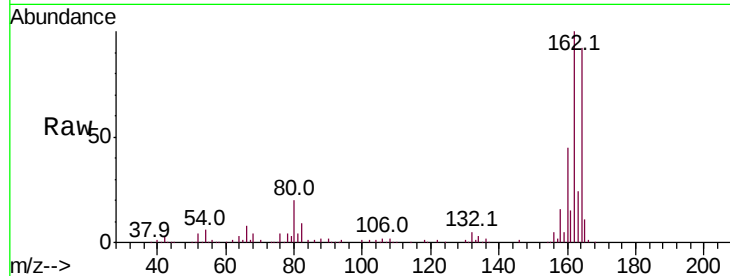




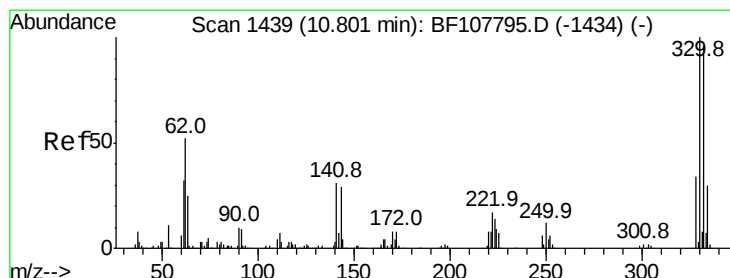
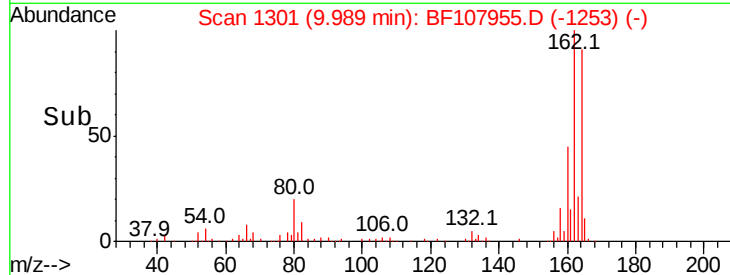
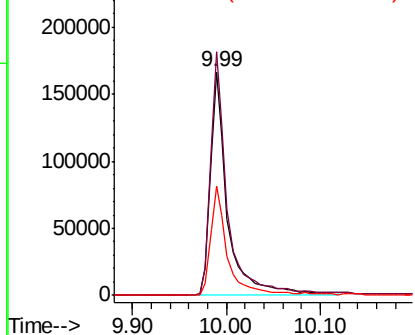
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.1	86.1	129.1
160	49.1	38.3	57.5

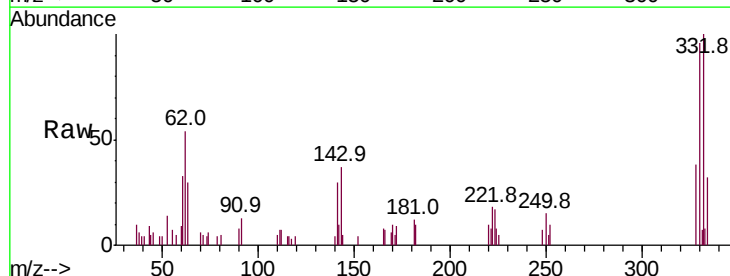


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

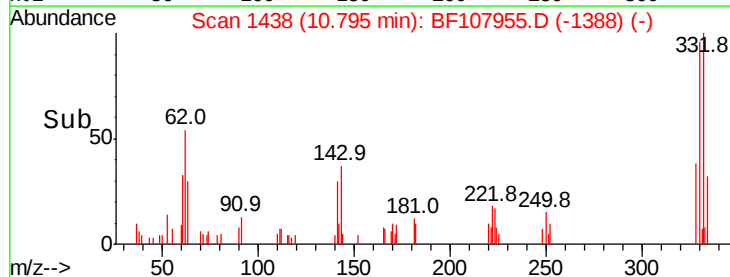
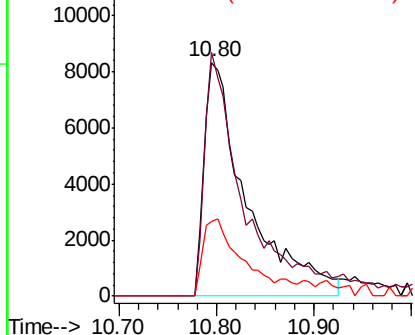


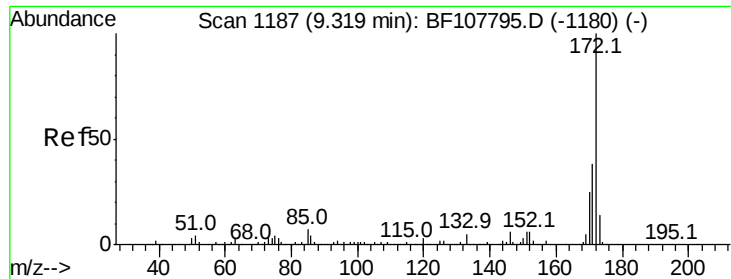
#41
 2,4,6-Tribromophenol
 Concen: 8.604 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	28.9	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

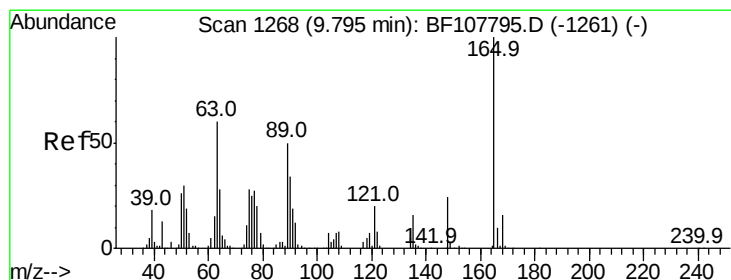
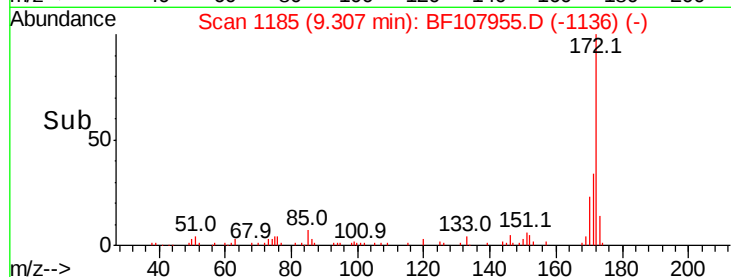
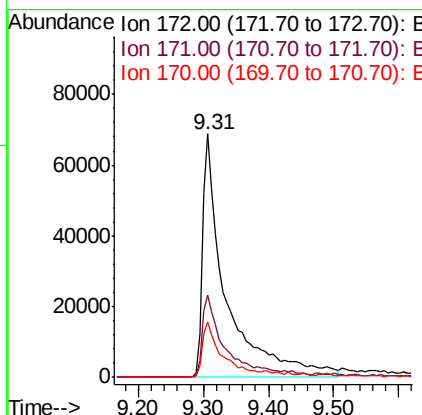
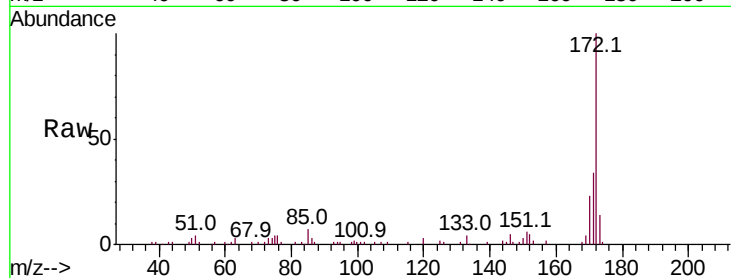




#44
 2-Fluorobiphenyl
 Concen: 11.071 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

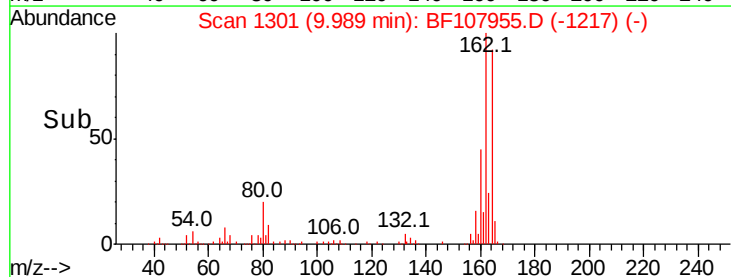
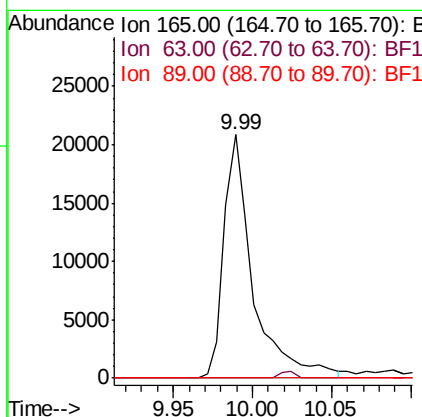
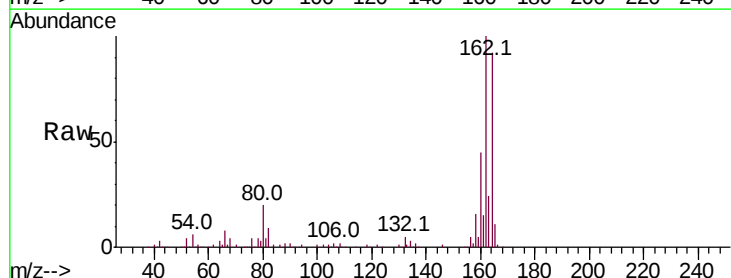
Instrument :
 BNA_F
 ClientSampleId :

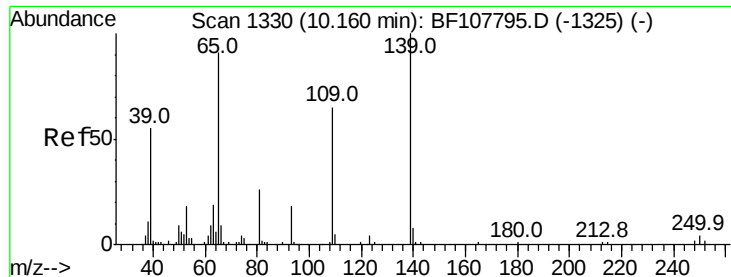
Tot Ion:172 Resp: 173120
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.7 44.5
 170 22.9 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.453 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. 0.19 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion:165 Resp: 26506
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

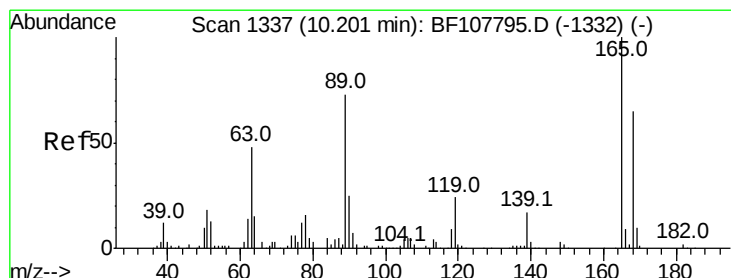
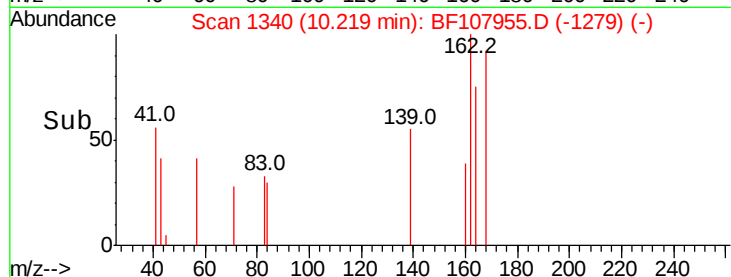
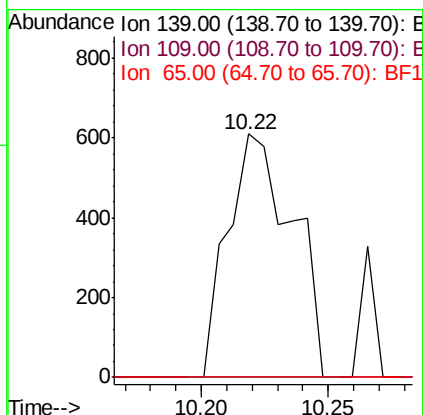
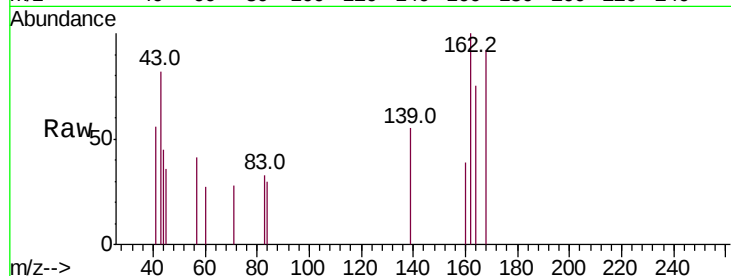




#55
4-Nitrophenol
Concen: 9.767 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

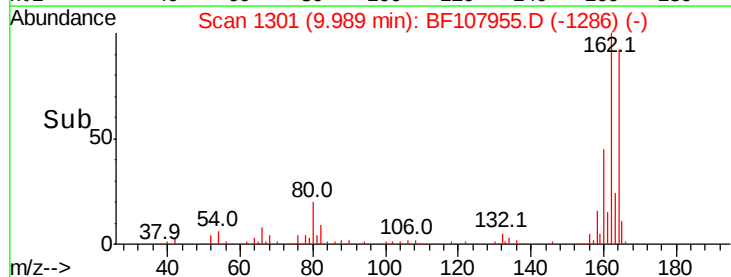
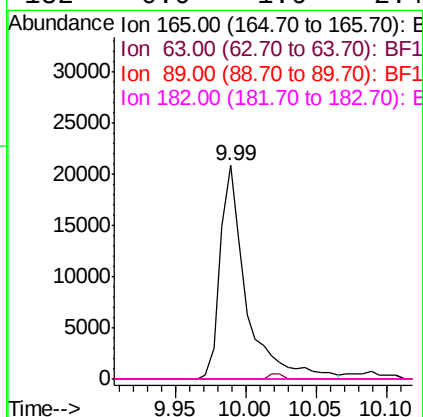
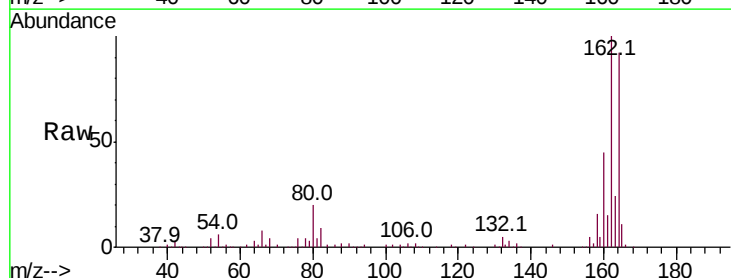
Instrument :
BNA_F
ClientSampleId :

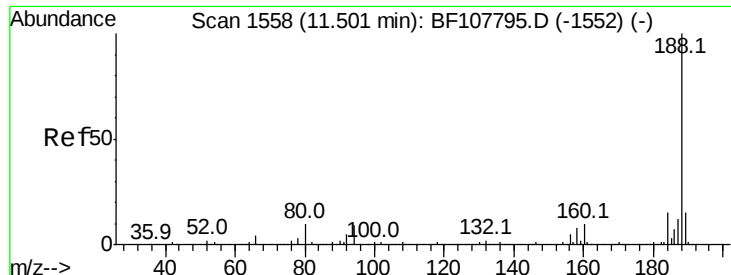
Tot Ion:139 Resp: 1086
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.745 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion:165 Resp: 26853
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

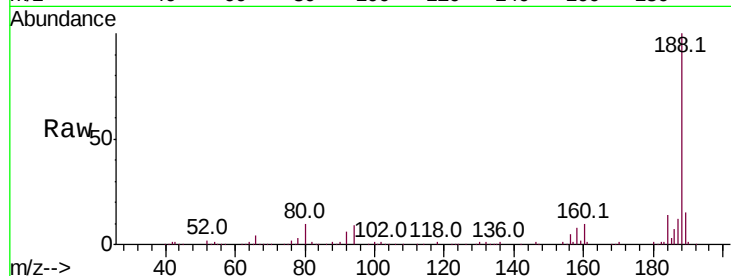




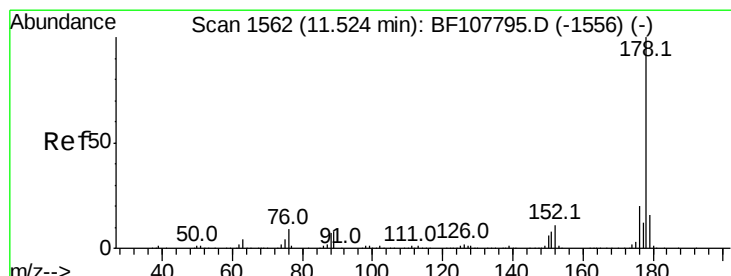
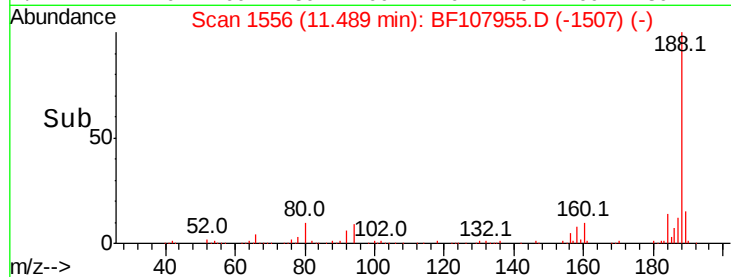
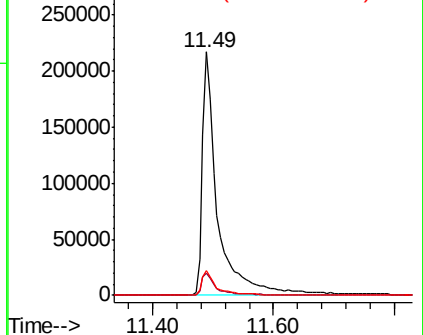
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 385224
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.2 9.2 13.8

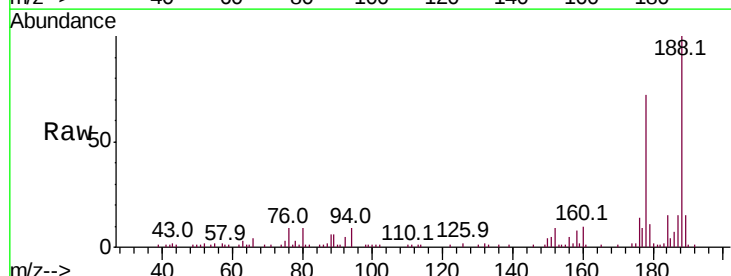


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

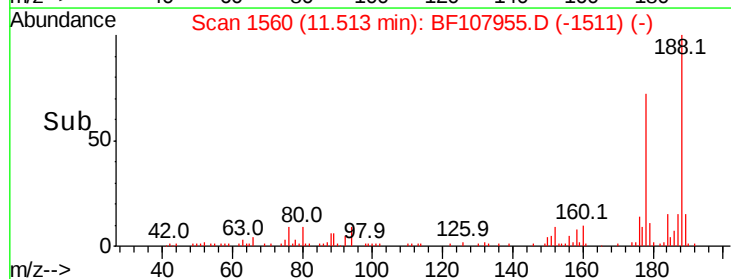
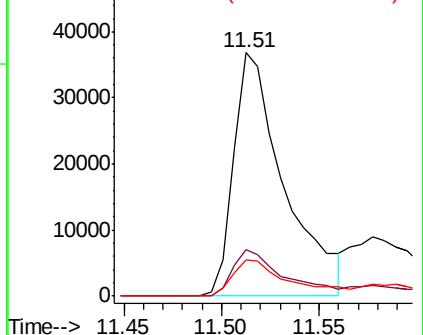


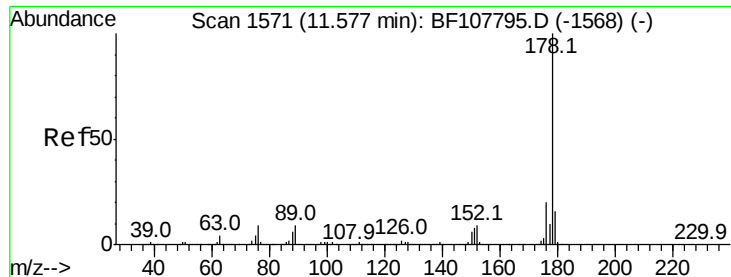
#70
Phenanthrene
Concen: 3.615 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107955.D
Acq: 3 Aug 2018 23:10

Tgt Ion:178 Resp: 66118
Ion Ratio Lower Upper
178 100
176 19.3 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

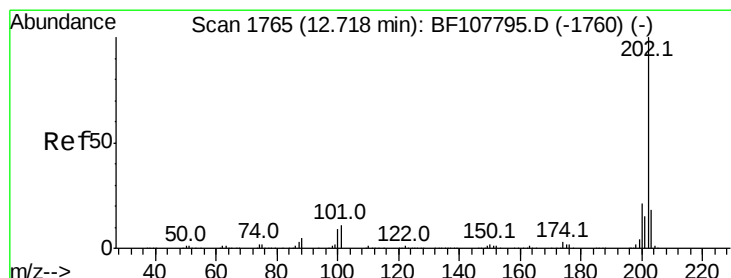
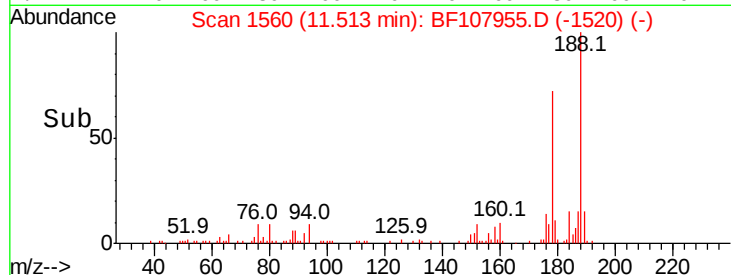
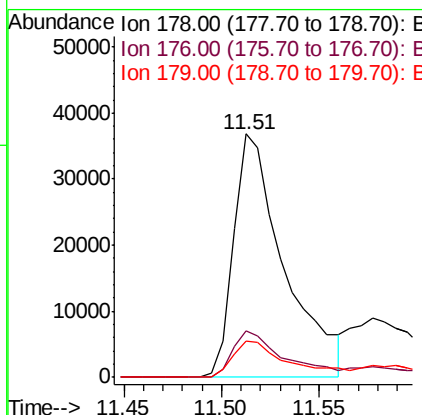
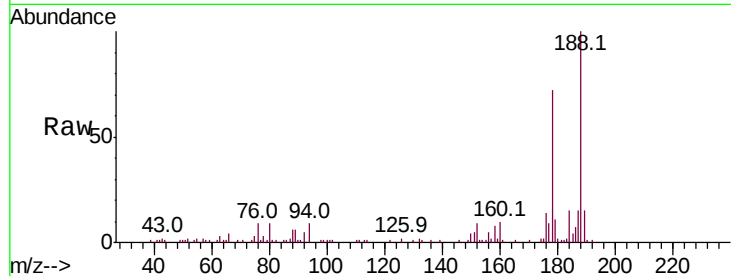




#71
 Anthracene
 Concen: 3.134 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

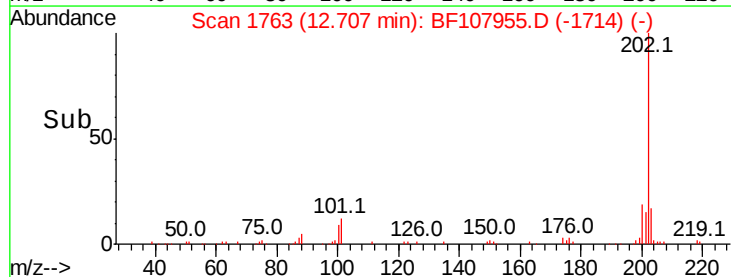
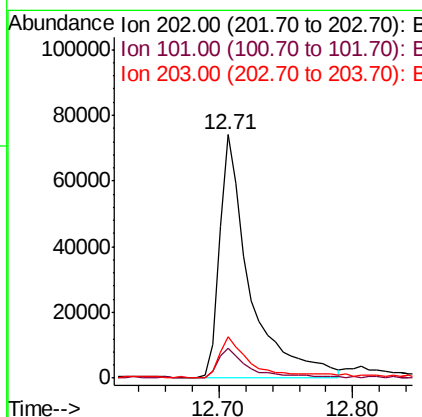
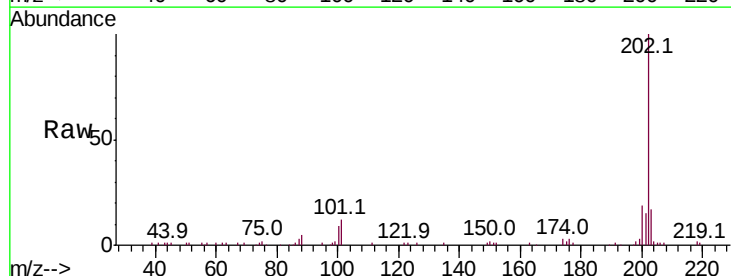
Instrument :
 BNA_F
 ClientSampleId :

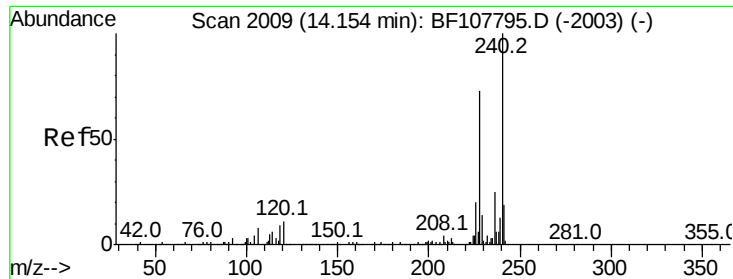
Tot Ion:178 Resp: 66118
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 5.482 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion:202 Resp: 117810
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

ClientSampleId :

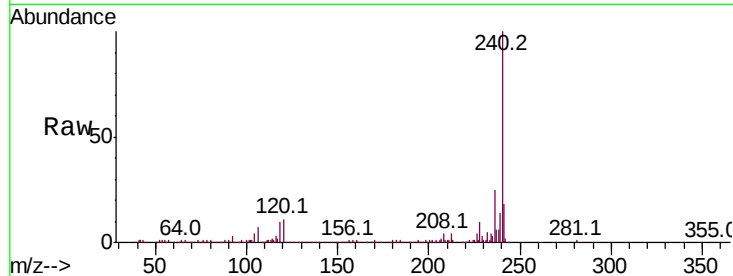
Tot Ion:240 Resp: 348311

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

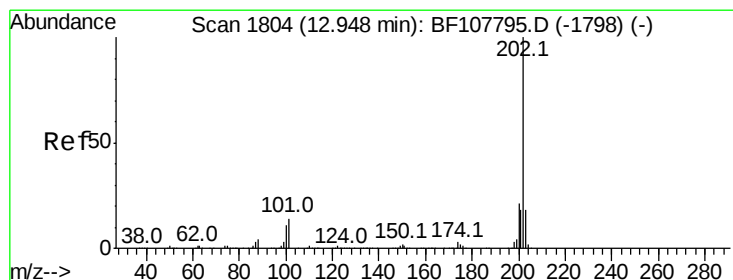
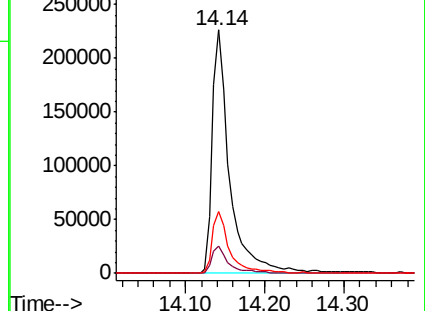
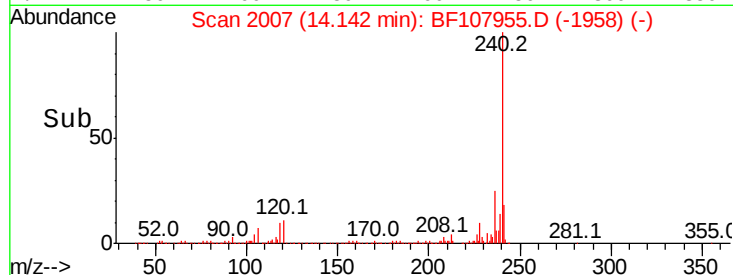
236 25.4 20.7 31.1



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: 4.229 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

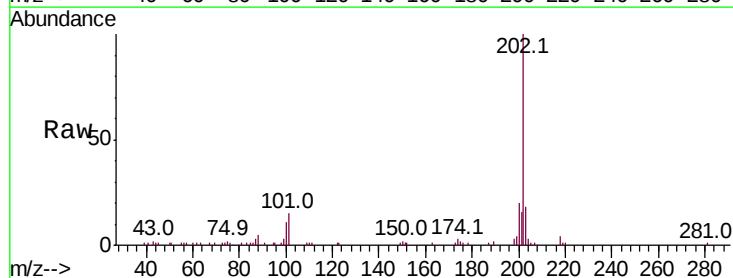
Tgt Ion:202 Resp: 106079

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

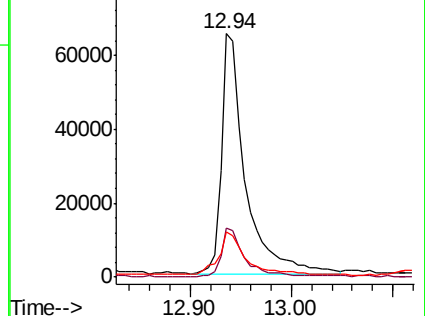
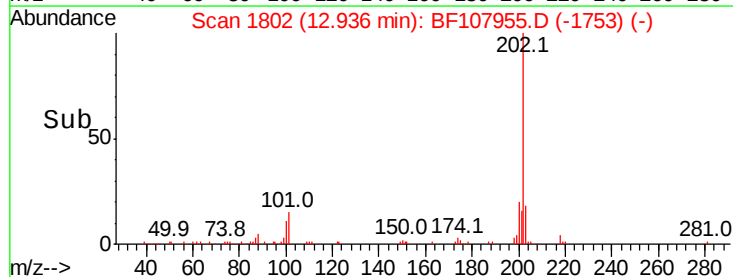
203 18.5 14.3 21.5

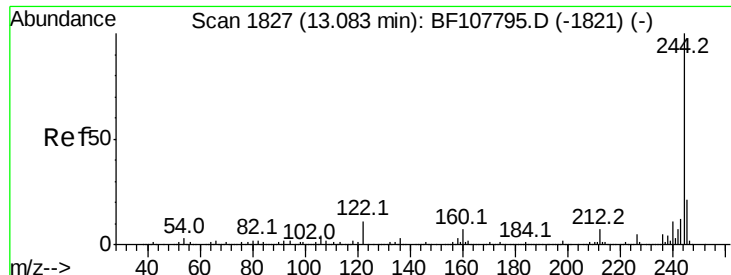


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

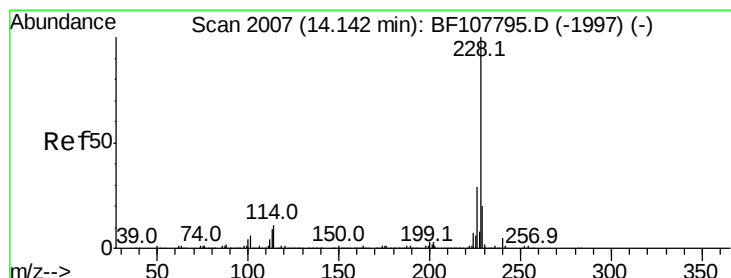
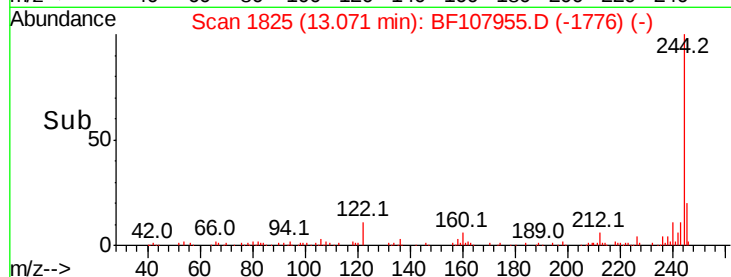
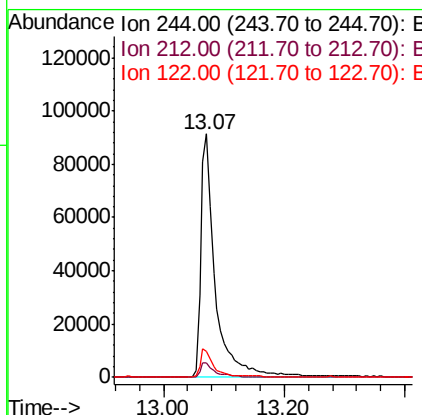
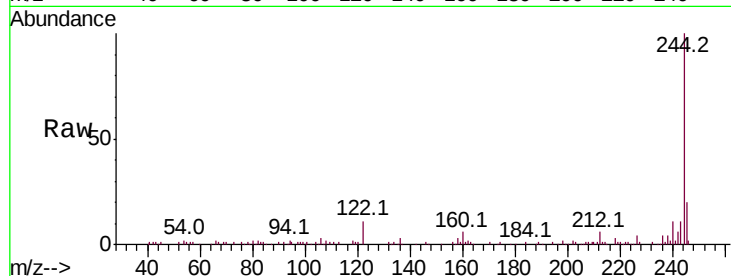




#78
 Terphenyl-d14
 Concen: 9.629 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

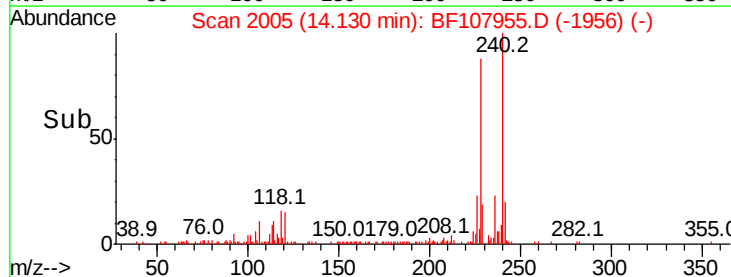
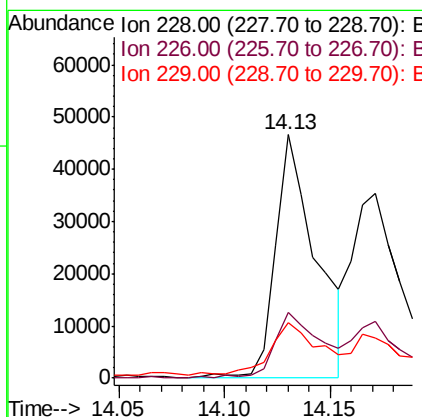
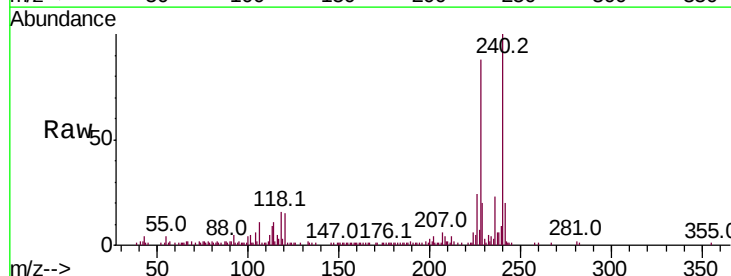
Instrument :
 BNA_F
 ClientSampleId :

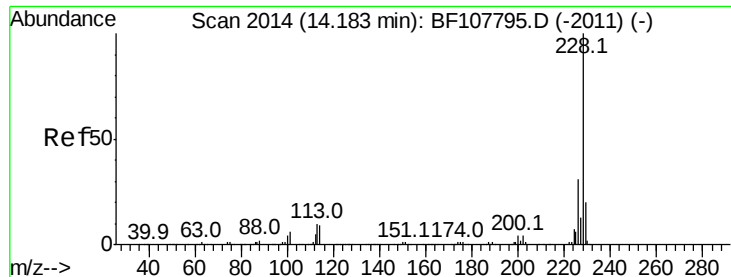
Tot Ion:244 Resp: 154666
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 10.7 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.140 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF107955.D
 Acq: 3 Aug 2018 23:10

Tgt Ion:228 Resp: 61957
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 33.8
 229 22.6 15.8 23.6





#82

Chrysene

Concen: 2.928 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

ClientSampleId :

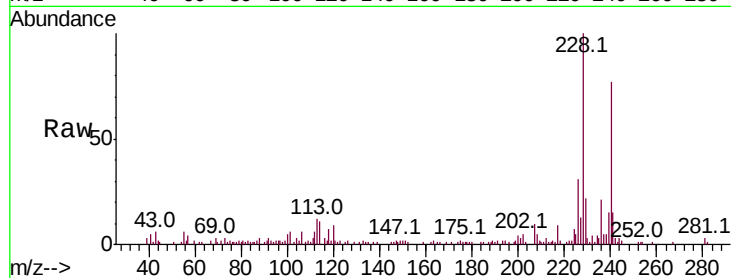
Tot Ion:228 Resp: 62308

Ion Ratio Lower Upper

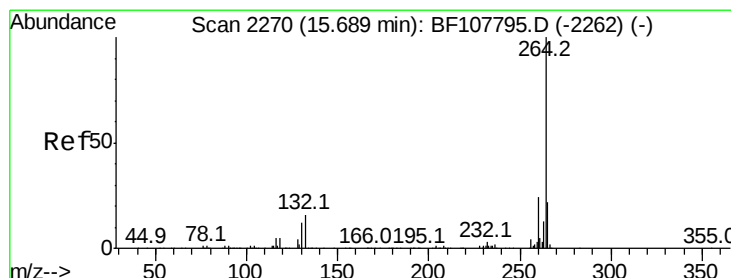
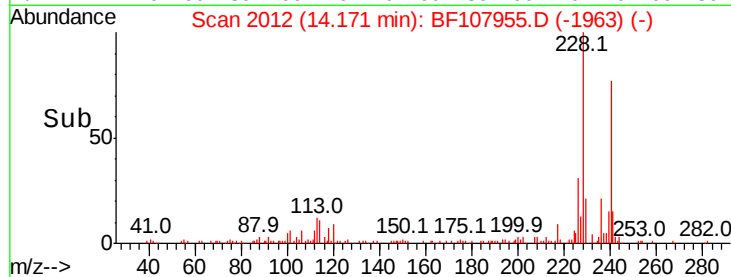
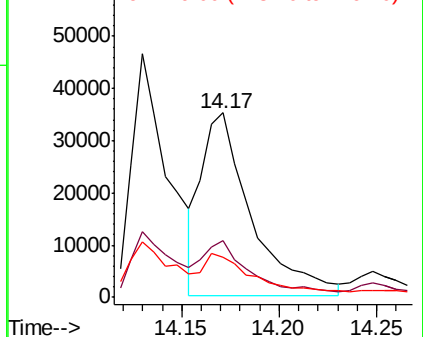
228 100

226 30.7 25.0 37.6

229 22.0 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: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

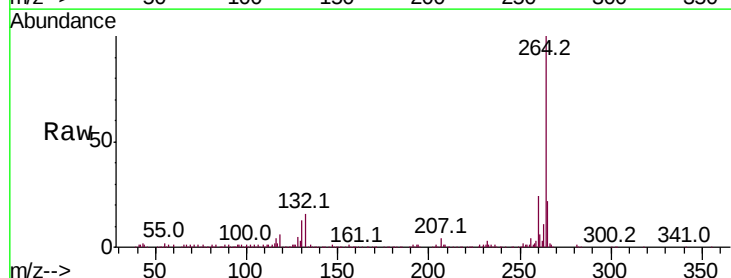
Tgt Ion:264 Resp: 350019

Ion Ratio Lower Upper

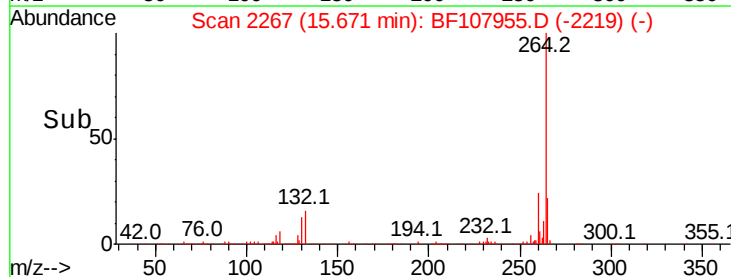
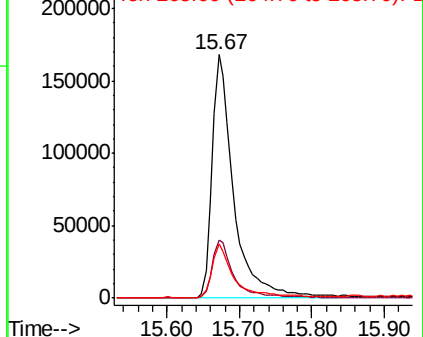
264 100

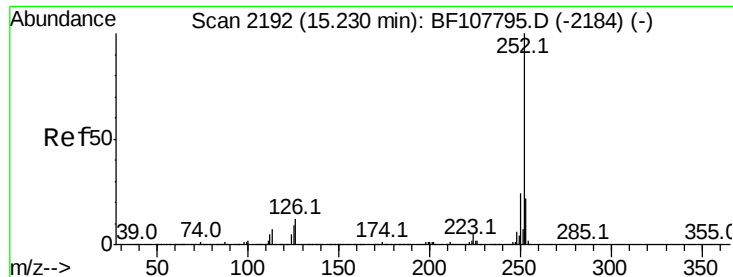
260 24.0 19.2 28.8

265 22.3 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





#87

Benzo(b)fluoranthene

Concen: 5.777 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

ClientSampleId :

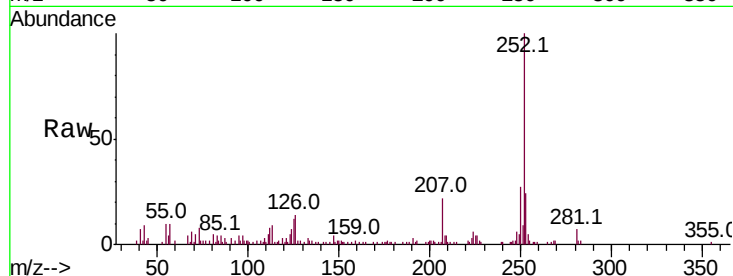
Tot Ion:252 Resp: 99733

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

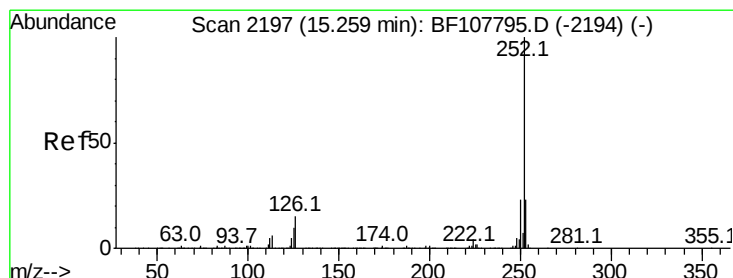
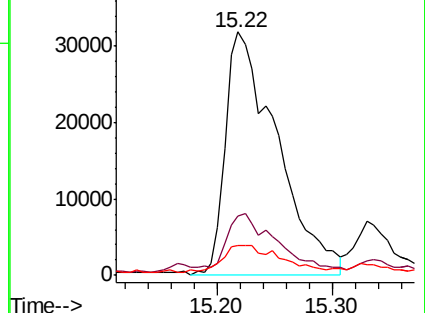
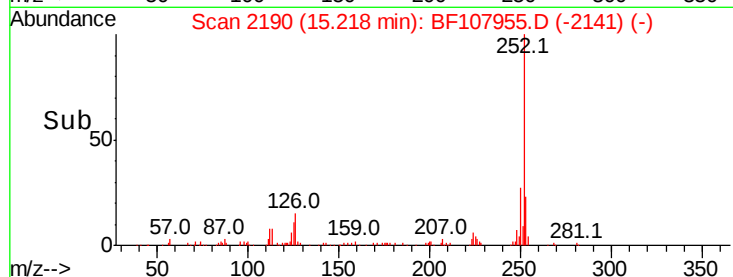
125 12.3 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.706 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

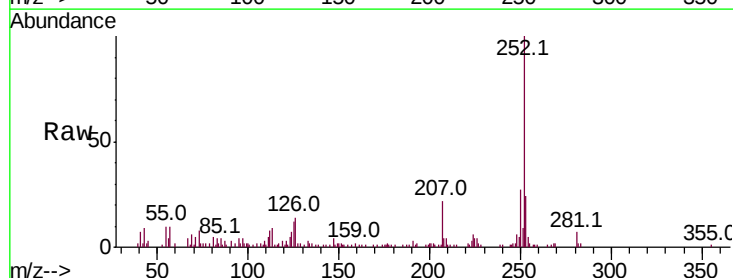
Tgt Ion:252 Resp: 99733

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

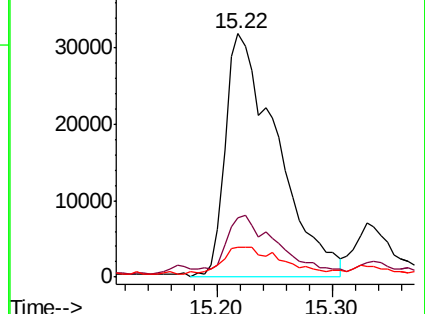
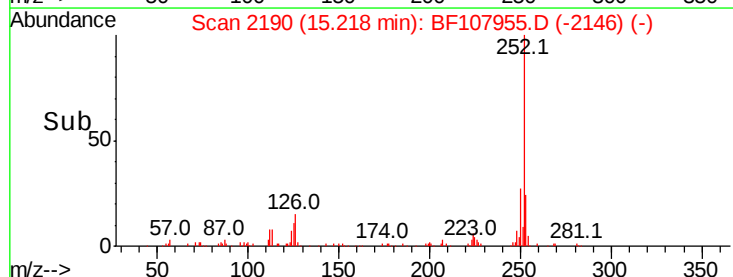
125 12.3 10.2 15.2

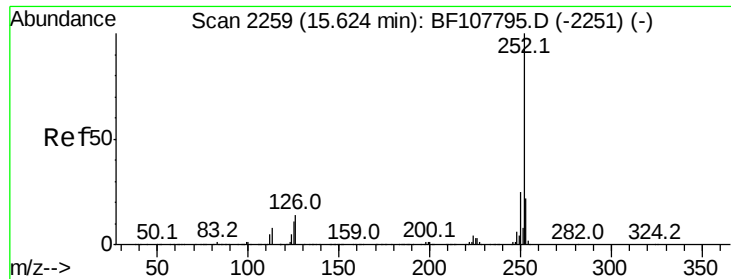


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.915 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107955.D

Acq: 3 Aug 2018 23:10

Instrument :

BNA_F

ClientSampleId :

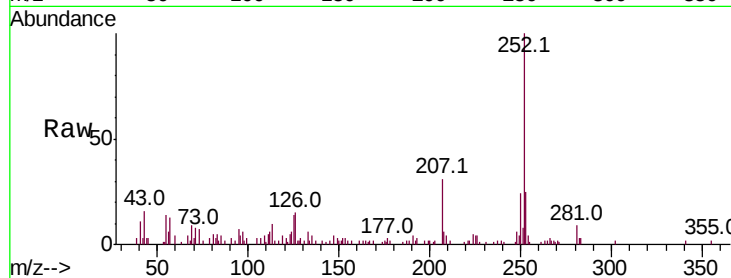
Tot Ion:252 Resp: 51944

Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

125 13.6 9.8 14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

