

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
 Data File : BF107839.D
 Acq On : 31 Jul 2018 9:18
 Operator : JU/SJ
 Sample : J4164-07DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(3-5)DL

Quant Time: Jul 31 10:49:14 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	137284	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	648973	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	279096	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	480203	20.00	ng	0.00
75) Chrysene-d12	14.15	240	380237	20.00	ng	0.00
86) Perylene-d12	15.69	264	369090	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	100948	12.50	ng	0.00
7) Phenol-d6	6.61	99	233930	21.97	ng	0.00
23) Nitrobenzene-d5	7.54	82	129540	11.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	47157	12.43	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	297741	14.87	ng	0.00
78) Terphenyl-d14	13.08	244	219445	12.51	ng	0.00

Target Compounds

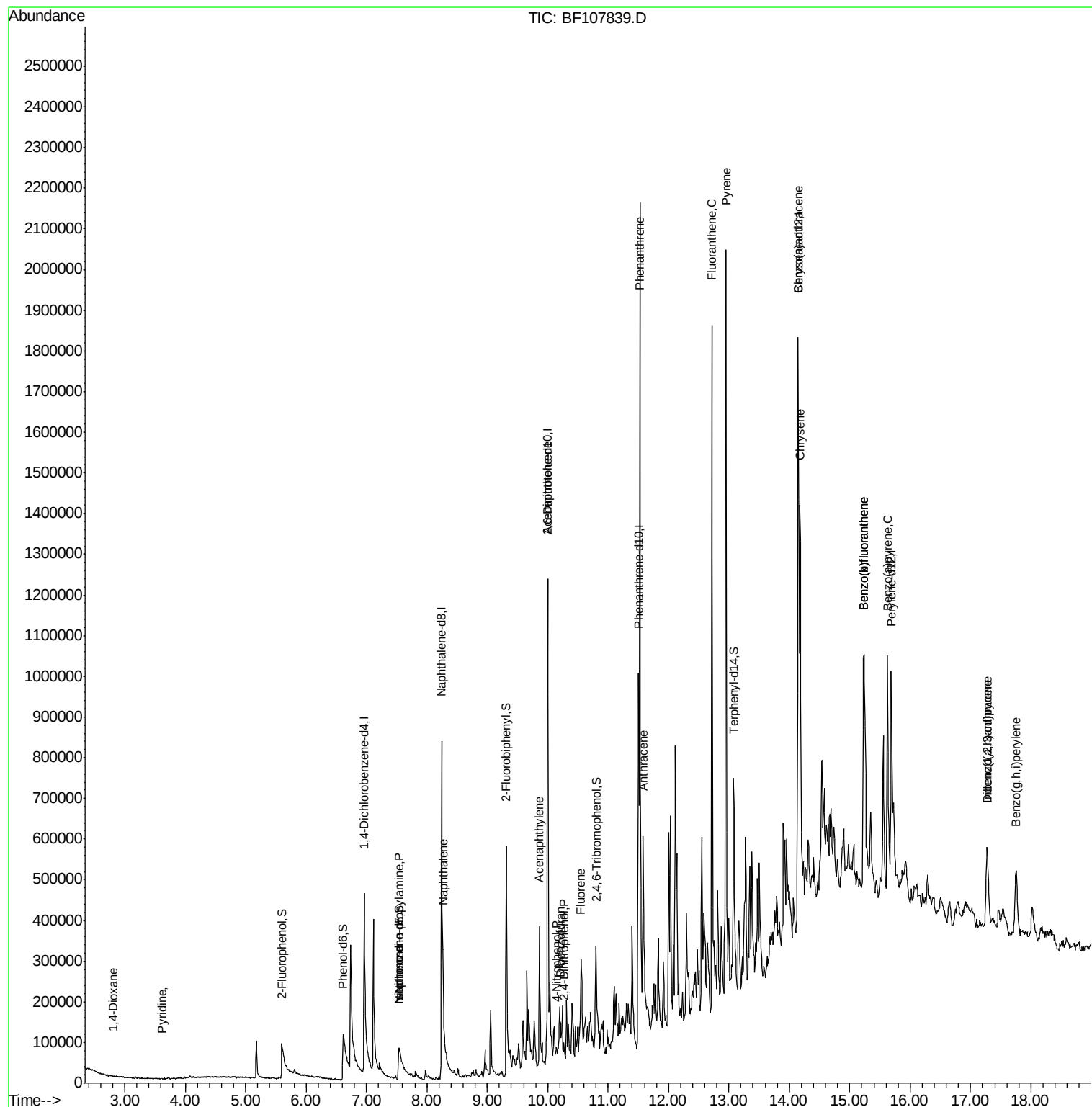
						Qvalue
2) 1,4-Dioxane	2.81	88	260	5.854	ng	# 12
3) Pyridine	3.62	79	123	6.265	ng	# 1
19) n-Nitroso-di-n-propylamine	7.55	70	13698	2.028	ng	# 71
25) Isophorone	7.54	82	129540	7.005	ng	# 64
31) Naphthalene	8.27	128	141338	4.685	ng	99
48) Acenaphthylene	9.87	152	184617	6.217	ng	99
50) 2,6-Dinitrotoluene	10.00	165	41491	9.109	ng	# 27
53) 2,4-Dinitrophenol	10.28	184	111	8.482	ng	# 53
54) Dibenzofuran	10.21	168	55946	2.098	ng	98
55) 4-Nitrophenol	10.15	139	1192	9.702	ng	# 77
57) Fluorene	10.55	166	119235	5.755	ng	# 98
70) Phenanthrene	11.52	178	949559	41.645	ng	99
71) Anthracene	11.58	178	393741	14.971	ng	99
74) Fluoranthene	12.72	202	868898	32.437	ng	98
77) Pyrene	12.95	202	1029486	37.600	ng	98
80) Benzo(a)anthracene	14.14	228	527626	24.496	ng	92
82) Chrysene	14.18	228	462922	19.926	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	191220	10.821	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	612076	33.624	ng	# 95
88) Benzo(k)fluoranthene	15.24	252	612076	27.387	ng	98
89) Benzo(a)pyrene	15.62	252	401250	21.352	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	47300	2.886	ng	# 81
91) Benzo(g,h,i)perylene	17.76	276	189773	11.965	ng	96

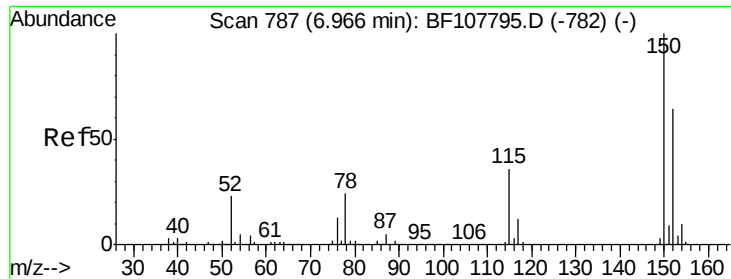
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
Data File : BF107839.D
Acq On : 31 Jul 2018 9:18
Operator : JU/SJ
Sample : J4164-07DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Quant Time: Jul 31 10:49:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.96 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

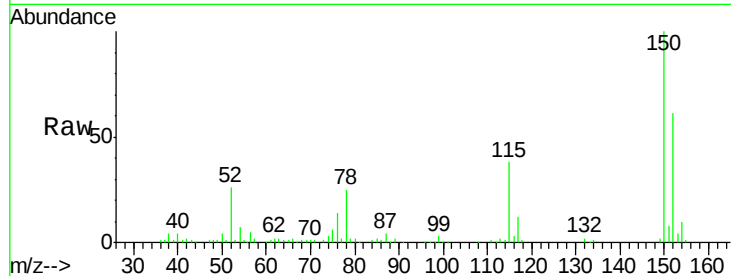
Tgt Ion:152 Resp: 137284

Ion Ratio Lower Upper

152 100

150 163.3 124.6 186.8

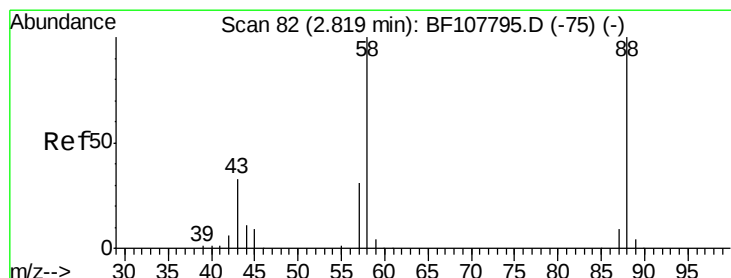
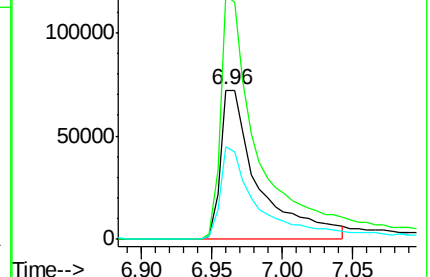
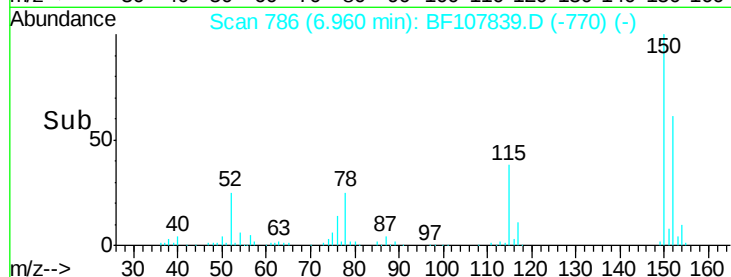
115 62.3 50.1 75.1



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: 5.854 ng

RT: 2.81 min Scan# 80

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

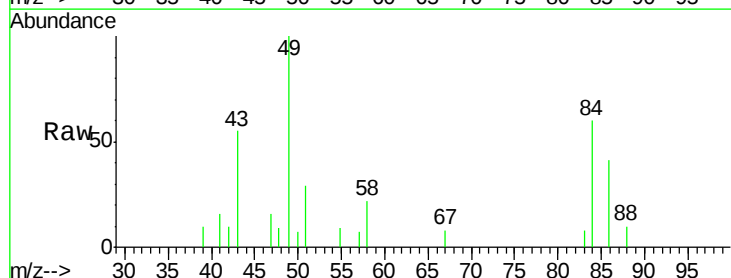
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

58 166.2 62.6 93.8#

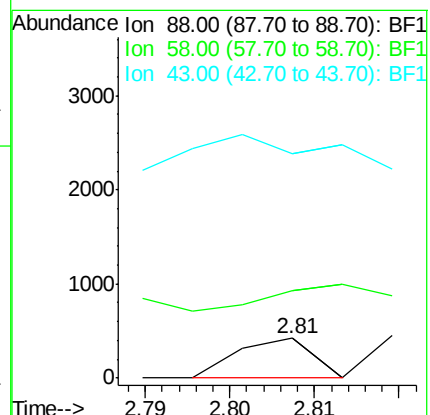
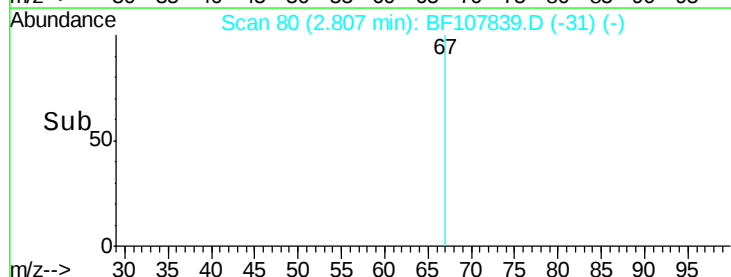
43 0.0 24.6 37.0#

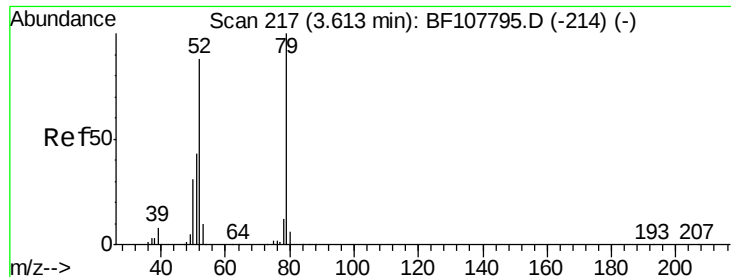


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

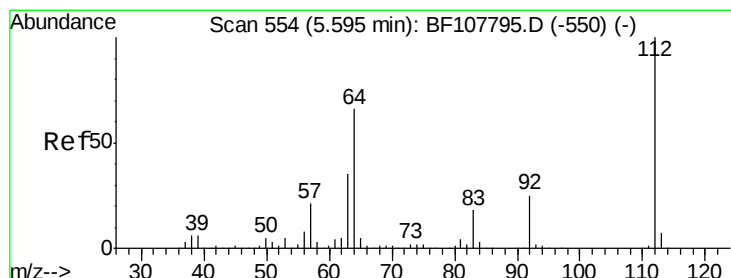
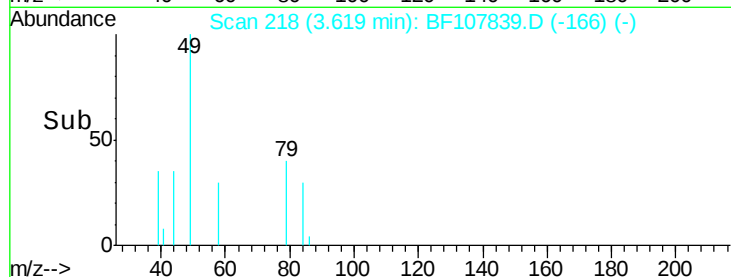
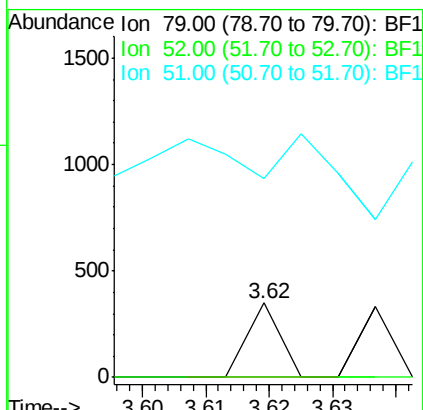
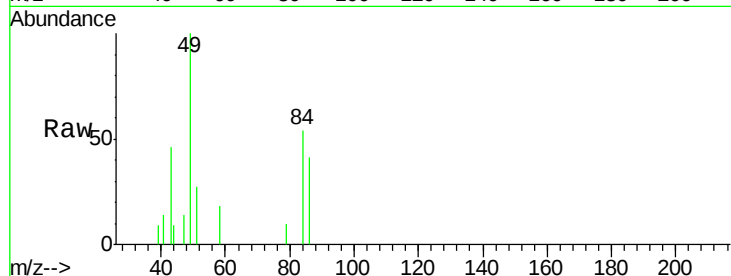




#3
 Pyridine
 Concen: 6.265 ng
 RT: 3.62 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

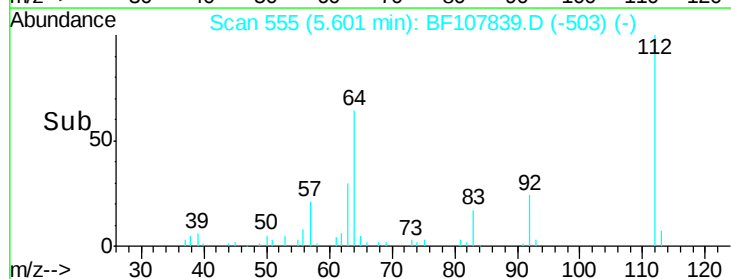
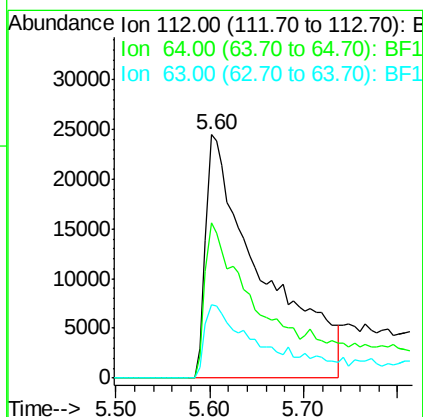
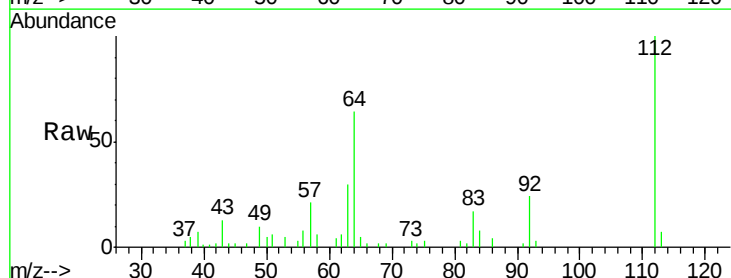
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(3-5)DL

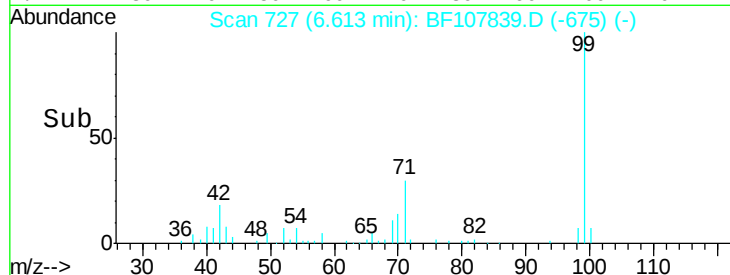
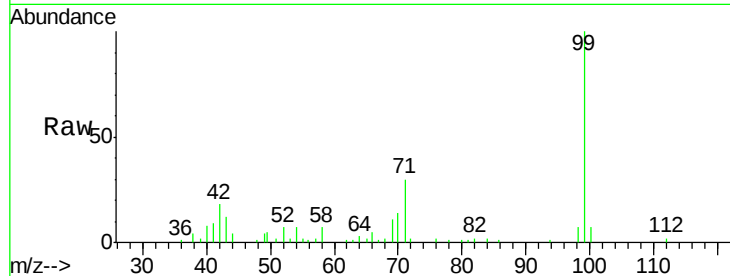
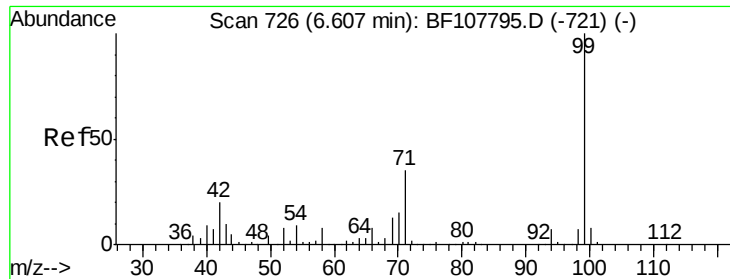
Tgt Ion: 79 Resp: 123
 Ion Ratio Lower Upper
 79 100
 52 0.0 59.8 89.6#
 51 268.2 29.8 44.8#



#5
 2-Fluorophenol
 Concen: 12.497 ng
 RT: 5.60 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Tgt Ion: 112 Resp: 100948
 Ion Ratio Lower Upper
 112 100
 64 63.9 47.9 71.9
 63 30.1 23.7 35.5





#7

Phenol-d6

Concen: 21.974 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

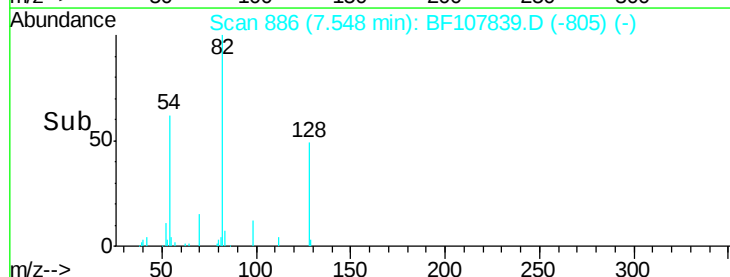
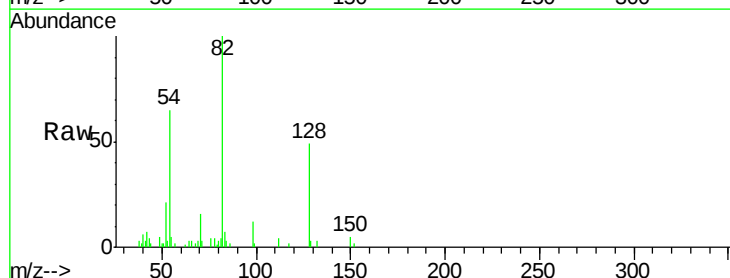
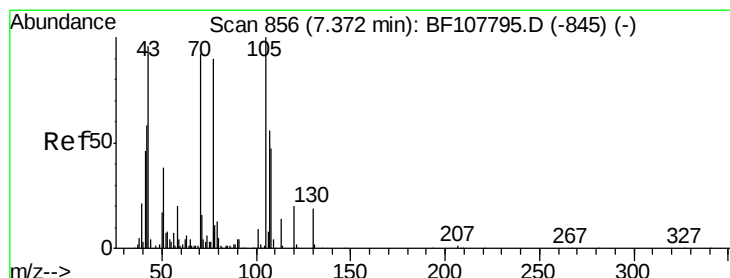
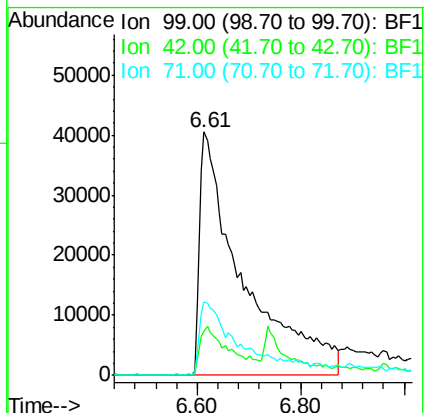
Tgt Ion: 99 Resp: 233930

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 30.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.028 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.18 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Tgt Ion: 70 Resp: 13698

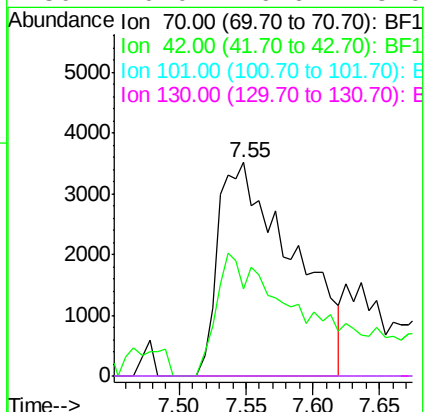
Ion Ratio Lower Upper

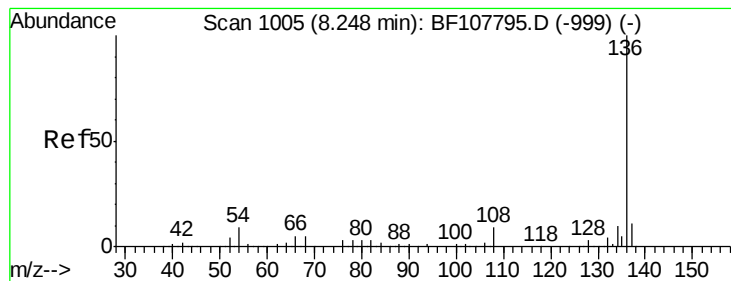
70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

Tgt Ion:136 Resp: 648973

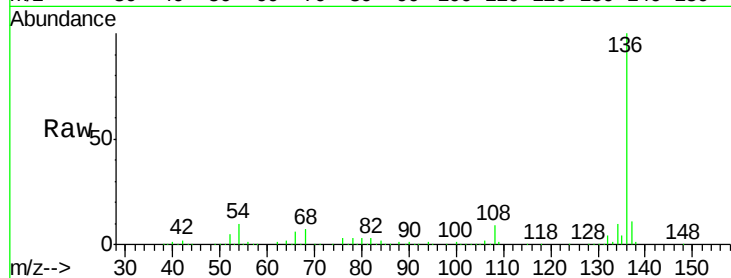
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

68 6.7 5.0 7.4

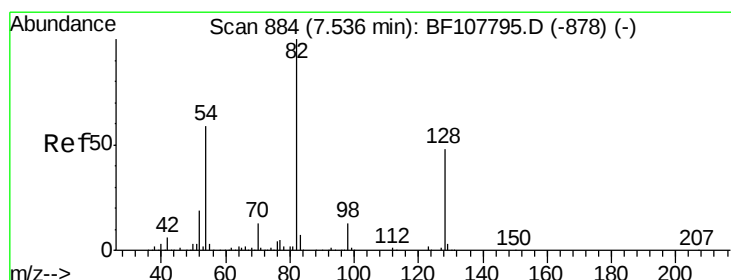
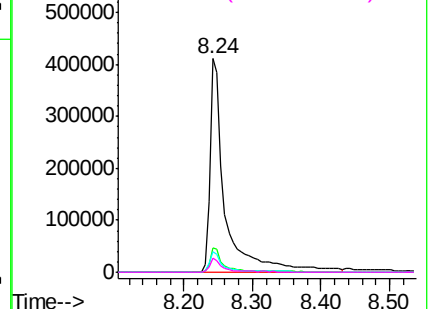
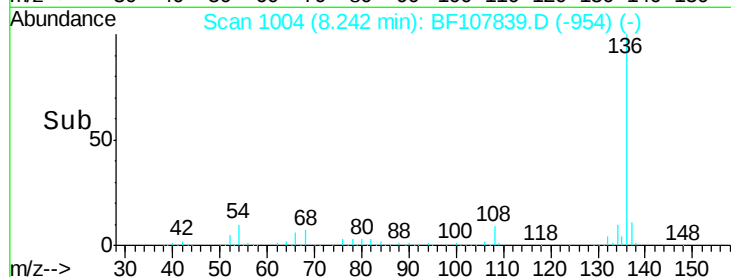


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.499 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

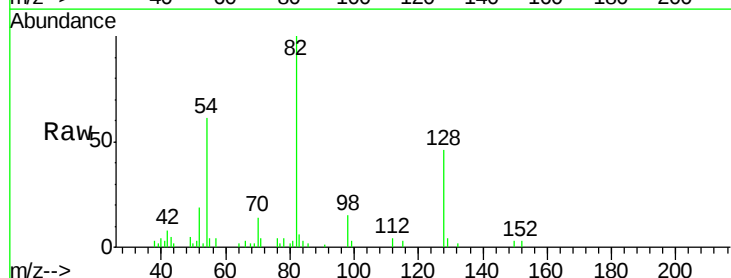
Tgt Ion: 82 Resp: 129540

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

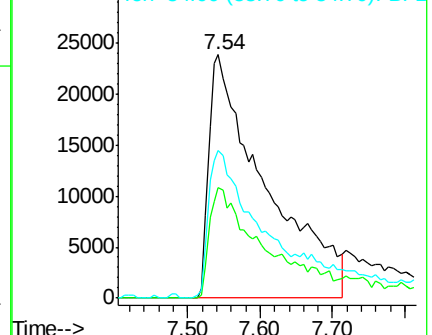
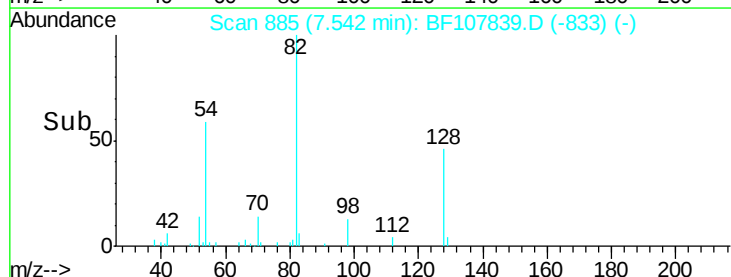
54 60.9 41.4 62.2

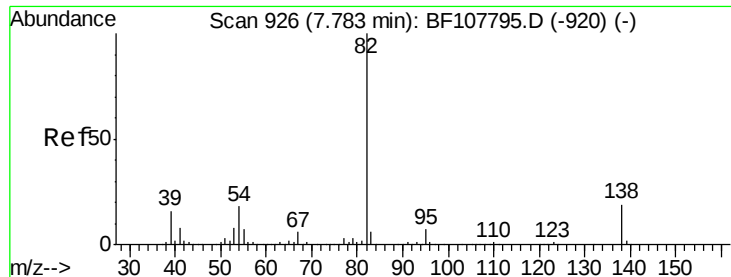


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.005 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.24 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

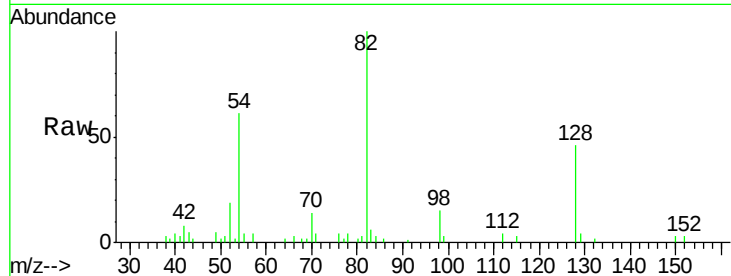
Tgt Ion: 82 Resp: 129540

Ion Ratio Lower Upper

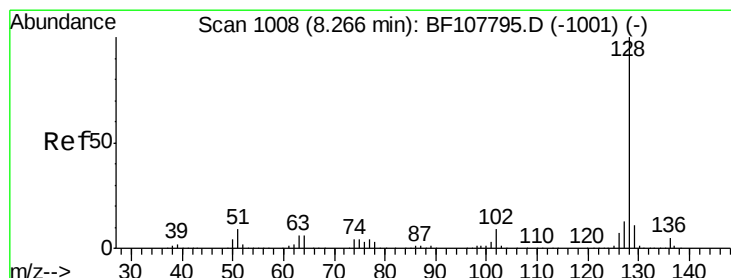
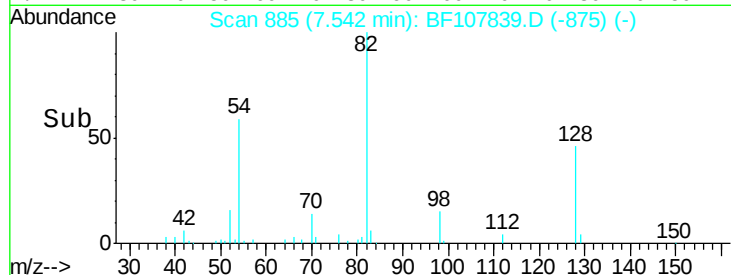
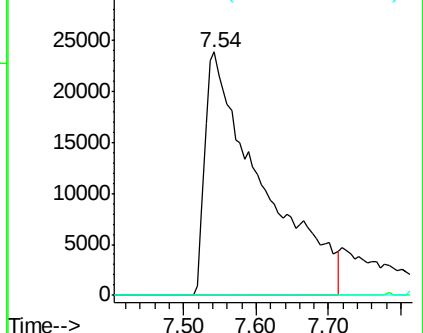
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 4.685 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

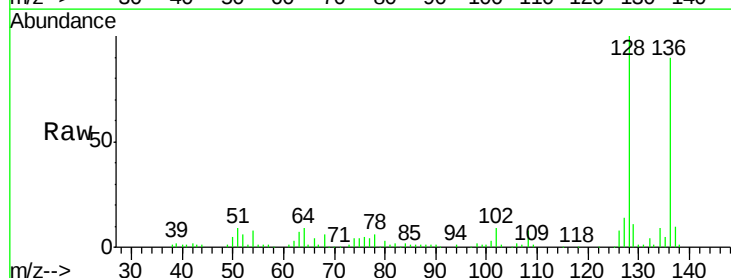
Tgt Ion: 128 Resp: 141338

Ion Ratio Lower Upper

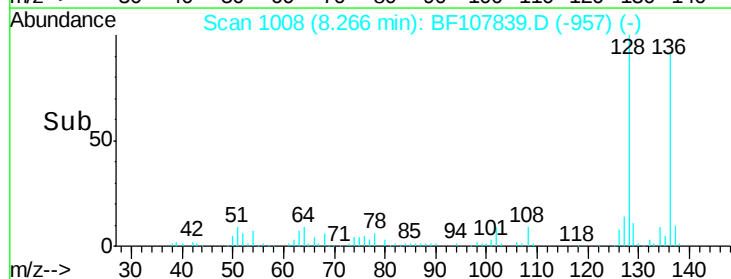
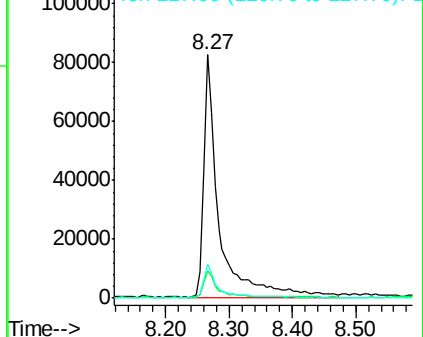
128 100

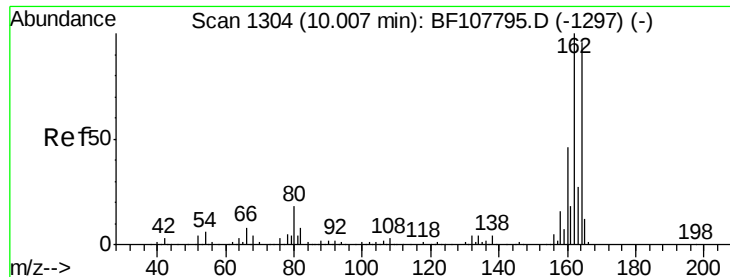
129 11.0 8.8 13.2

127 14.0 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

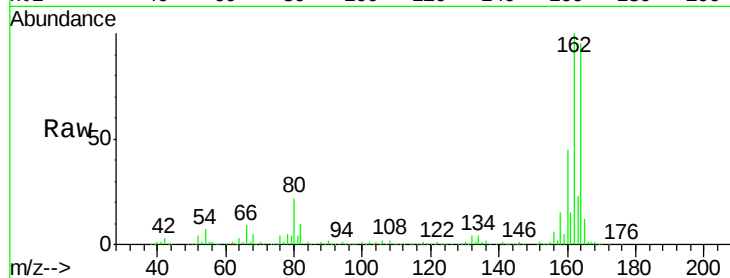
Tgt Ion:164 Resp: 279096

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

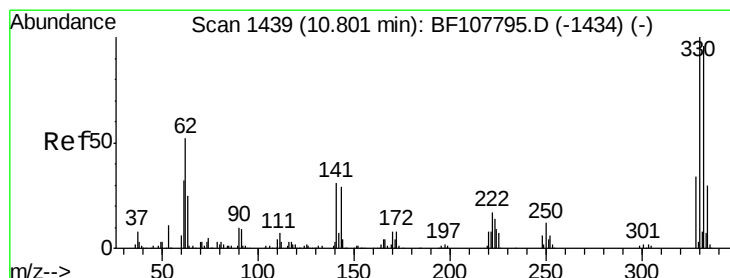
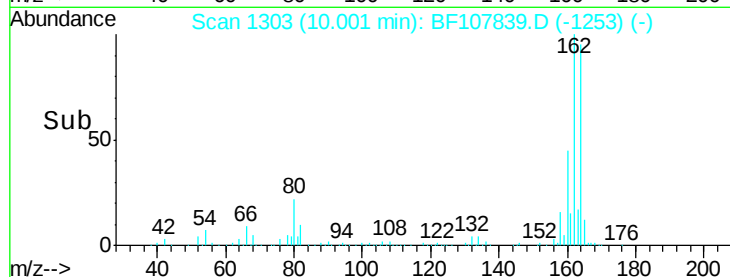
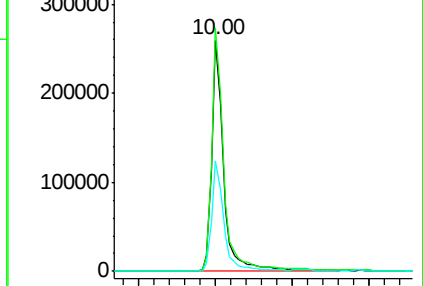
160 47.6 38.3 57.5



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: 12.435 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

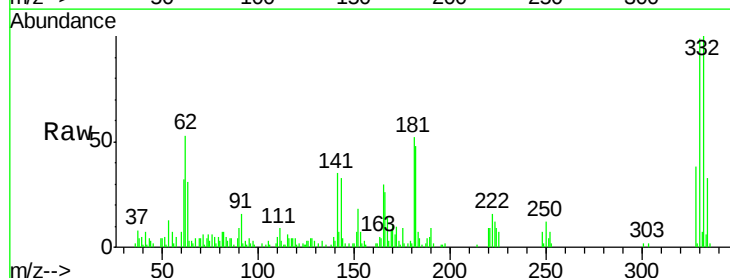
Tgt Ion:330 Resp: 47157

Ion Ratio Lower Upper

330 100

332 105.3 77.0 115.6

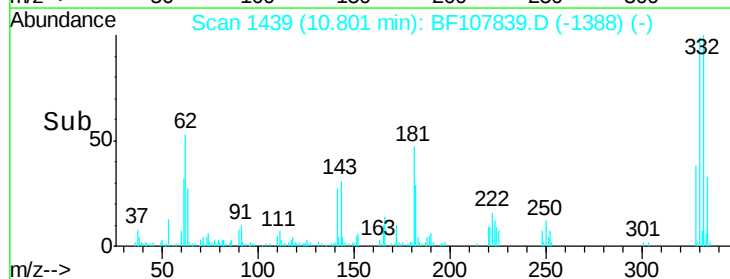
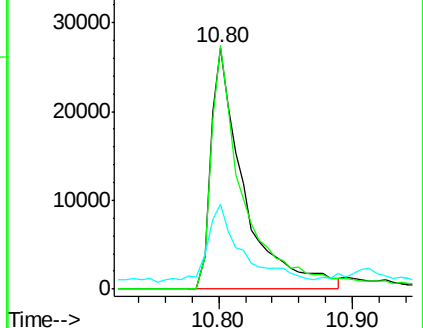
141 34.0 29.9 44.9

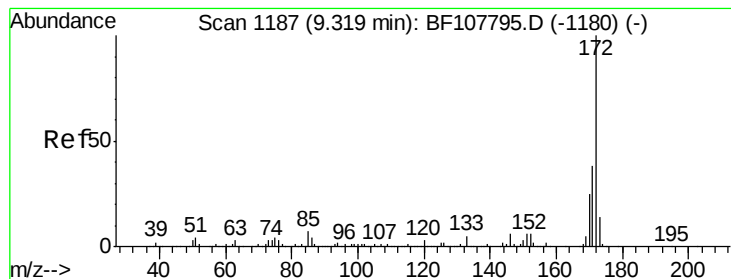


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 14.866 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

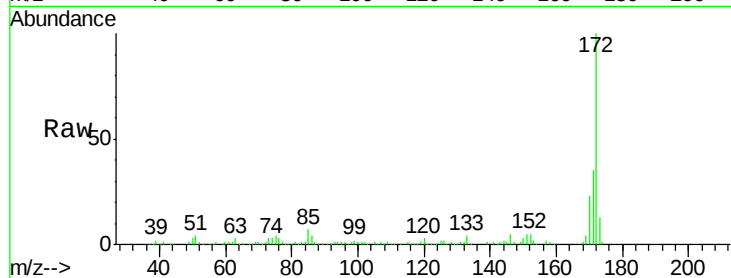
Tgt Ion:172 Resp: 297741

Ion Ratio Lower Upper

172 100

171 34.9 29.7 44.5

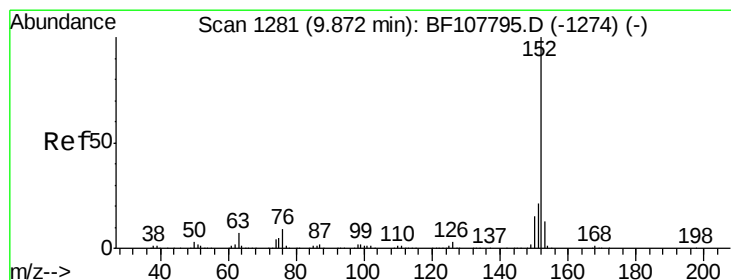
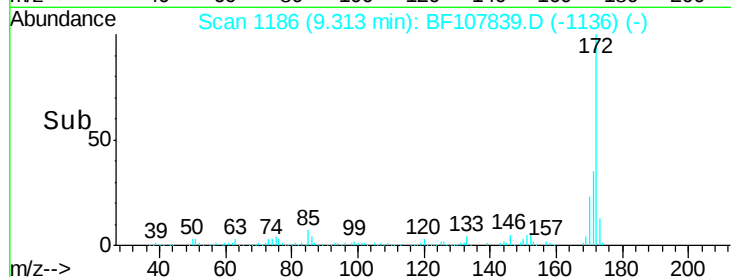
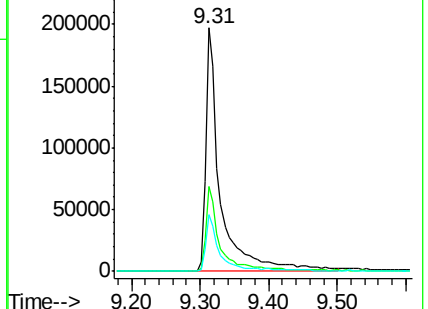
170 23.4 19.6 29.4



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: 6.217 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

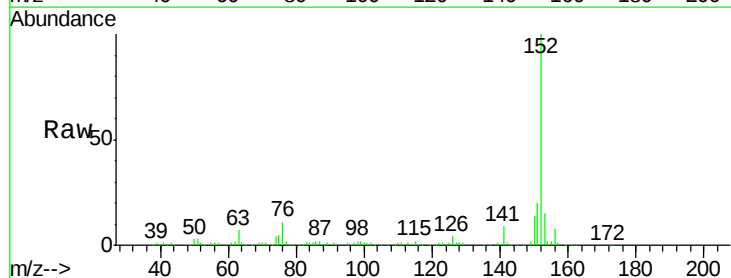
Tgt Ion:152 Resp: 184617

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

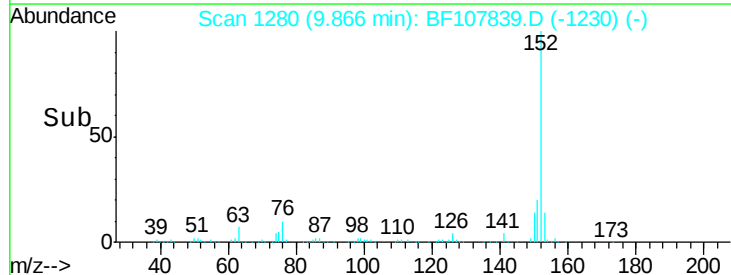
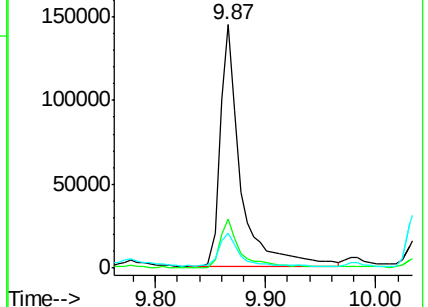
153 14.5 10.7 16.1

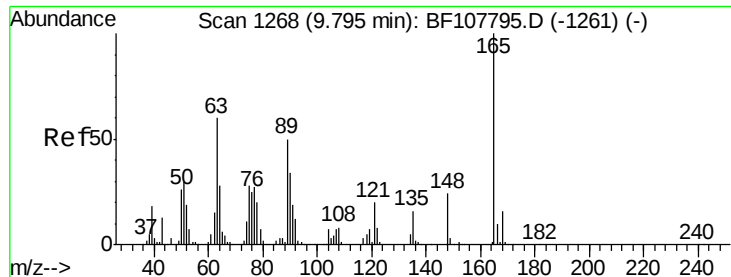


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

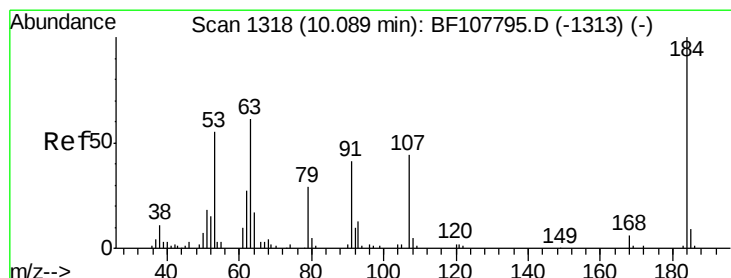
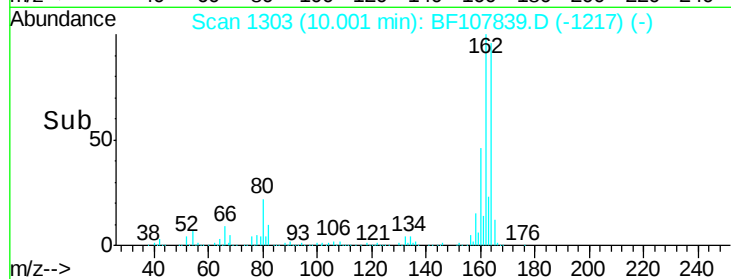
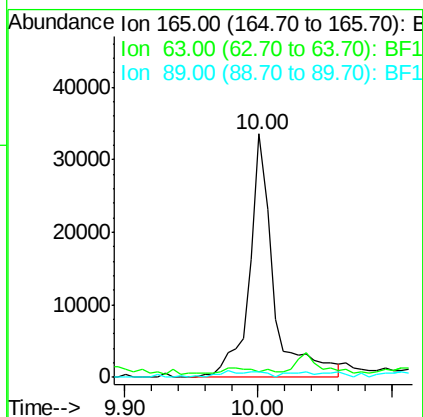
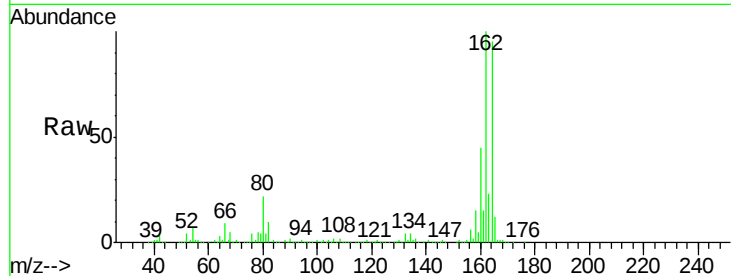




#50
 2,6-Dinitrotoluene
 Concen: 9.109 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

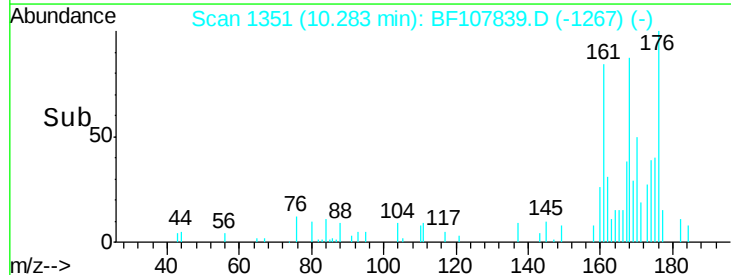
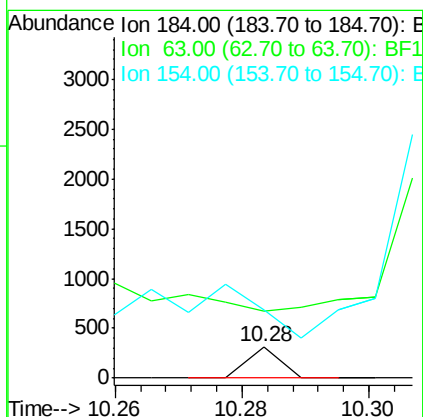
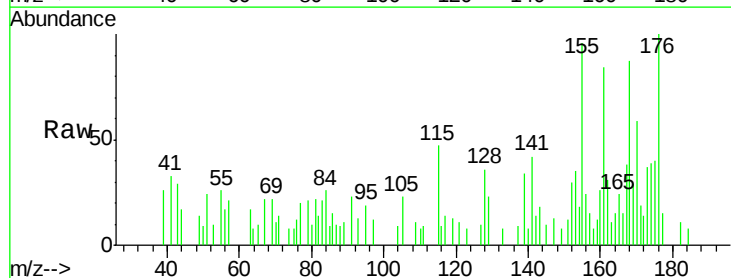
Instrument :
 BNA_F
 ClientSampled :
 SB-4(3-5)DL

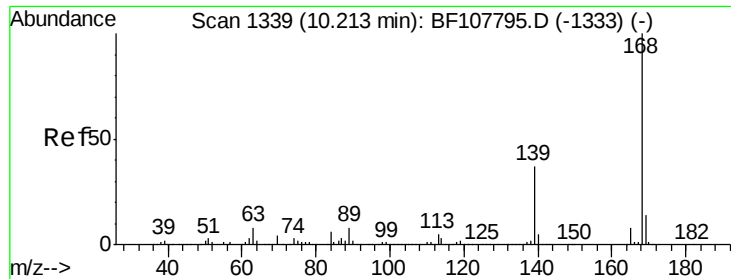
Tgt Ion:165 Resp: 41491
 Ion Ratio Lower Upper
 165 100
 63 2.5 44.7 67.1#
 89 2.4 44.0 66.0#



#53
 2,4-Dinitrophenol
 Concen: 8.482 ng
 RT: 10.28 min Scan# 1351
 Delta R.T. 0.19 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Tgt Ion:184 Resp: 111
 Ion Ratio Lower Upper
 184 100
 63 211.1 54.2 81.2#
 154 215.5 184.0 276.0





#54

Dibenzenofuran

Concen: 2.098 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

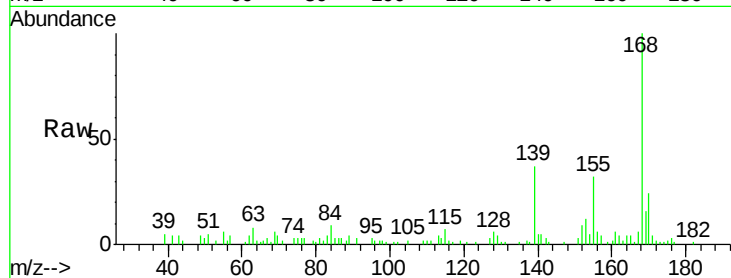
Tgt Ion:168 Resp: 55946

Ion Ratio Lower Upper

168 100

139 37.5 30.1 45.1

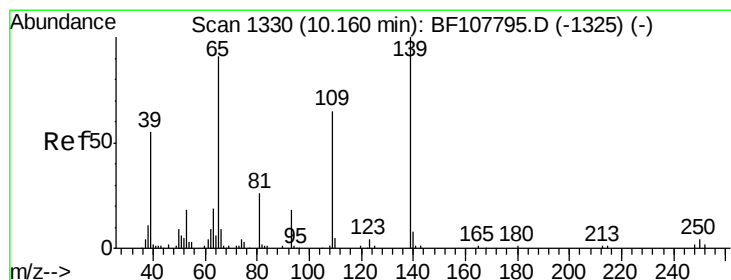
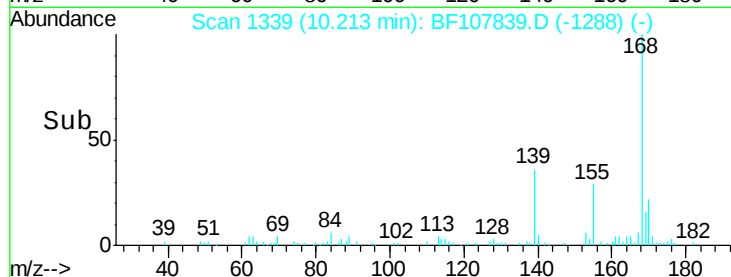
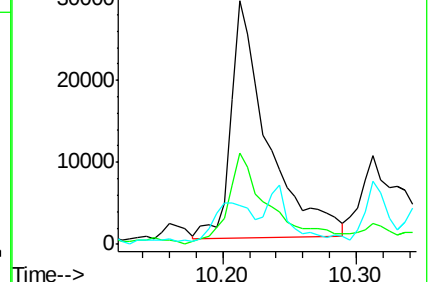
169 15.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 9.702 ng

RT: 10.15 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

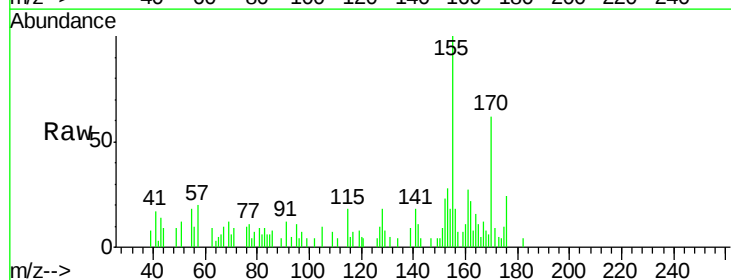
Tgt Ion:139 Resp: 1192

Ion Ratio Lower Upper

139 100

109 69.9 48.4 88.4

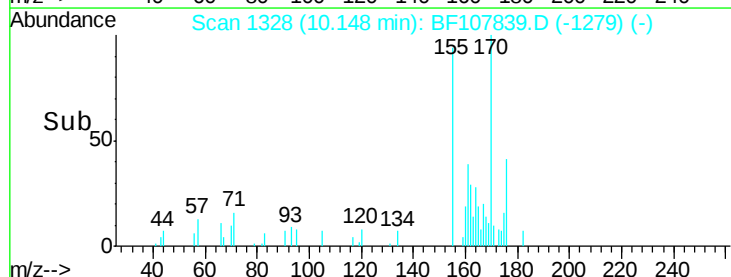
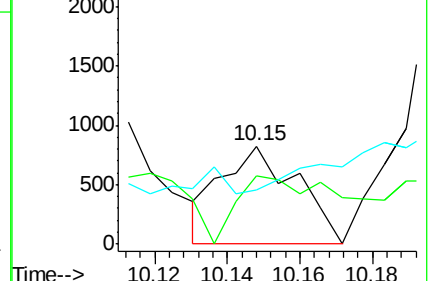
65 55.4 72.6 112.6#

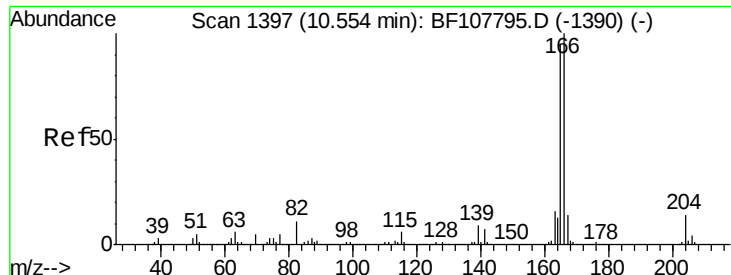


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

Fluorene

Concen: 5.755 ng

RT: 10.55 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

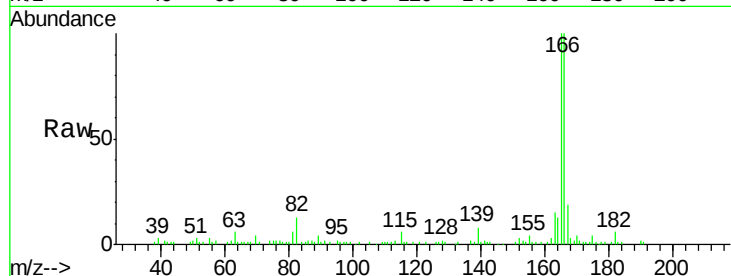
Tgt Ion:166 Resp: 119235

Ion Ratio Lower Upper

166 100

165 100.1 79.8 119.8

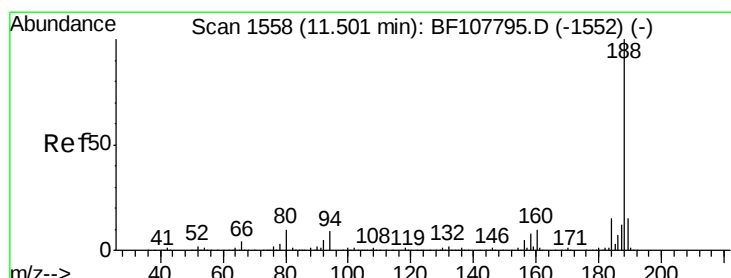
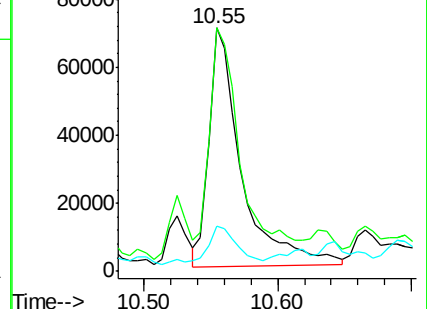
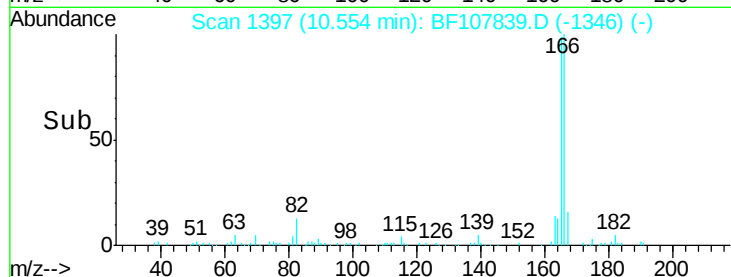
167 18.7 10.6 16.0#



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: BF107839.D

Acq: 31 Jul 2018 9:18

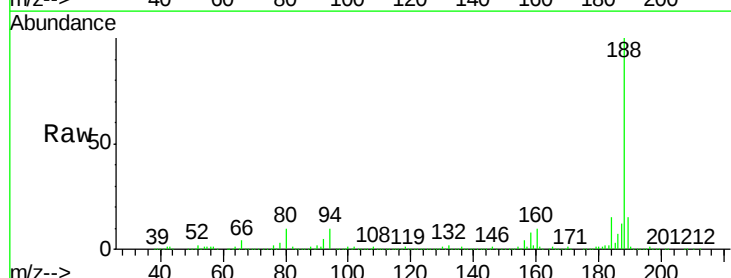
Tgt Ion:188 Resp: 480203

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

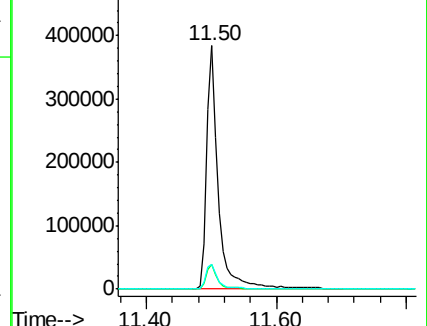
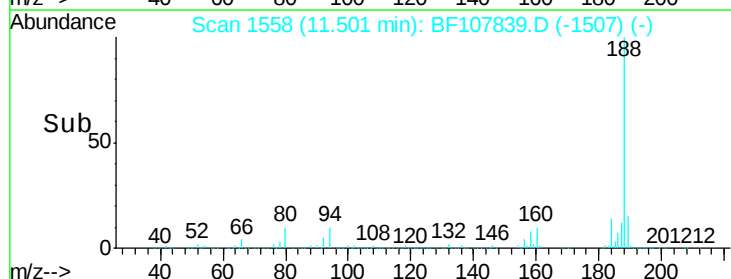
80 10.4 9.2 13.8

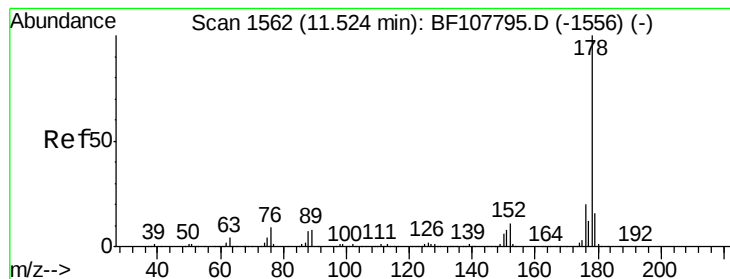


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 41.645 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

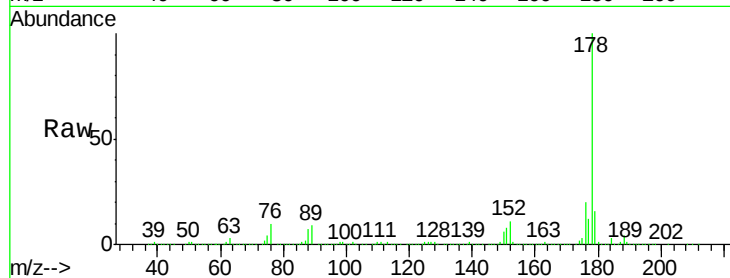
Tgt Ion:178 Resp: 949559

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

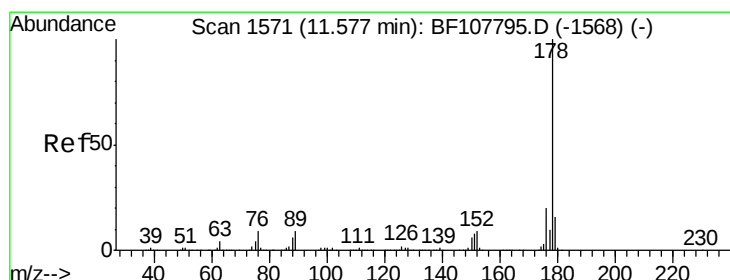
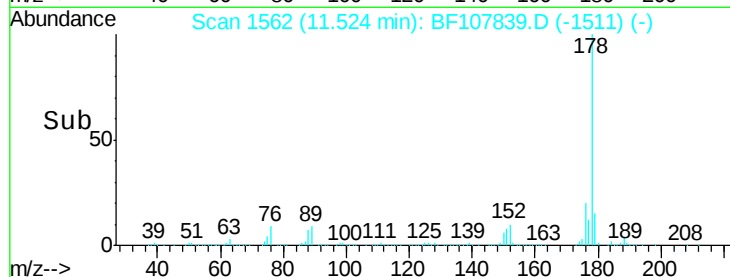
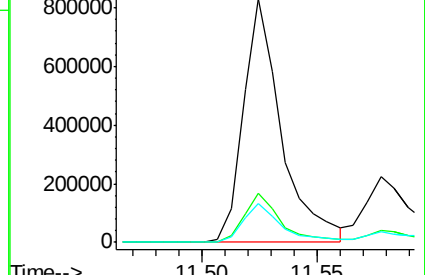
179 15.9 13.0 19.6



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



#71

Anthracene

Concen: 14.971 ng

RT: 11.58 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

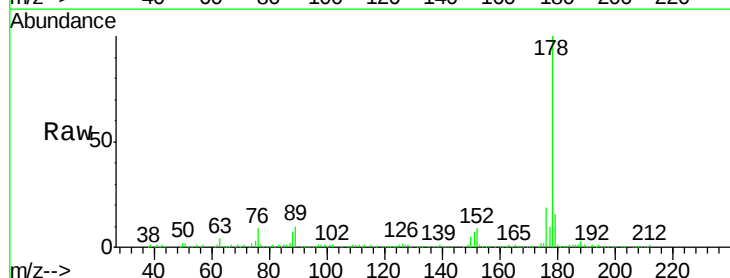
Tgt Ion:178 Resp: 393741

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

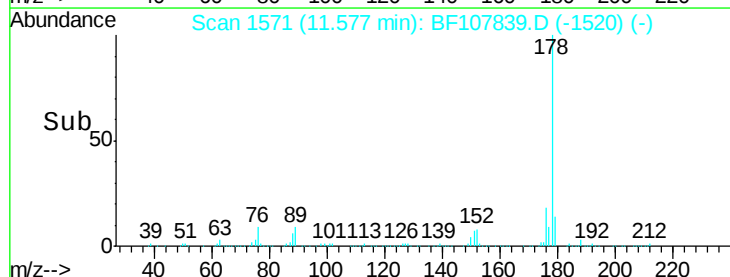
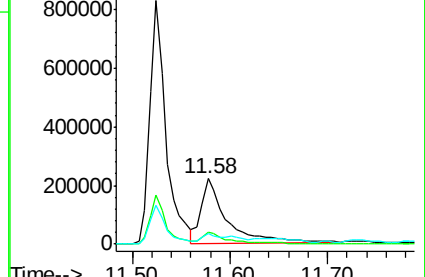
179 15.9 12.6 19.0

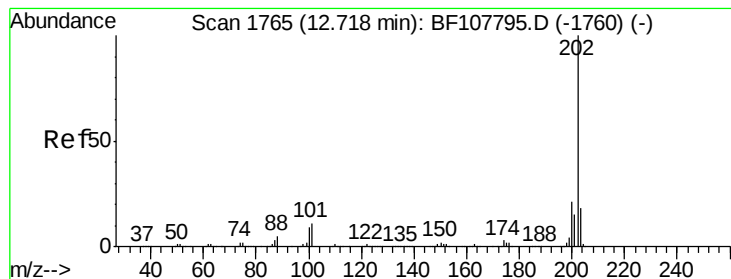


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 32.437 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

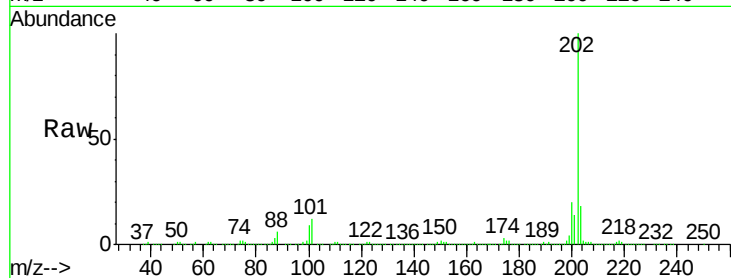
Tgt Ion:202 Resp: 868898

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

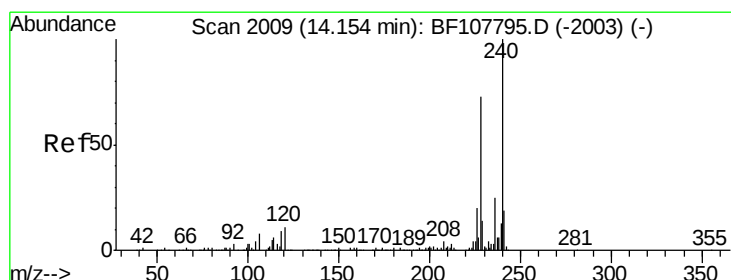
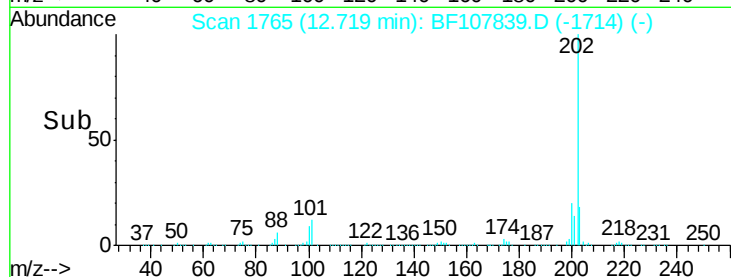
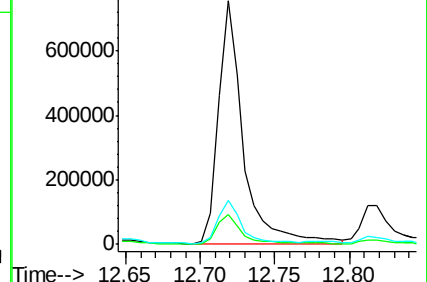
203 17.9 0.0 38.1



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: BF107839.D

Acq: 31 Jul 2018 9:18

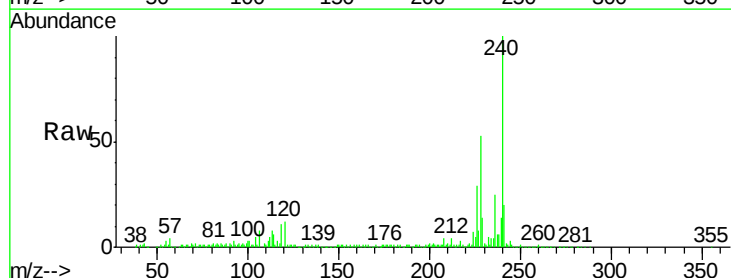
Tgt Ion:240 Resp: 380237

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

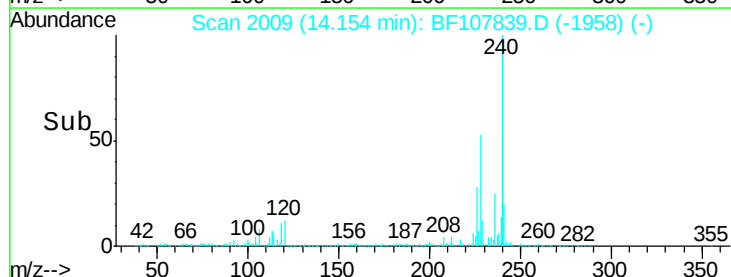
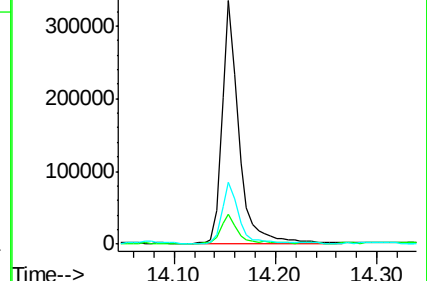
236 25.4 20.7 31.1

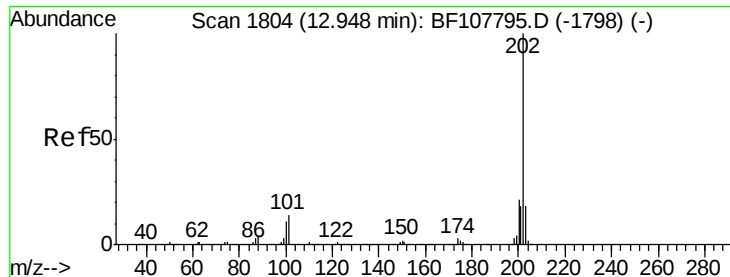


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 37.600 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

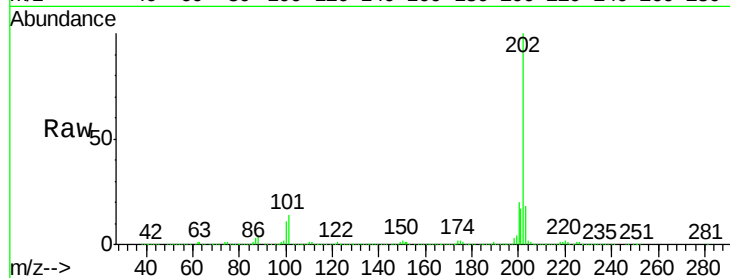
Tgt Ion:202 Resp: 1029486

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

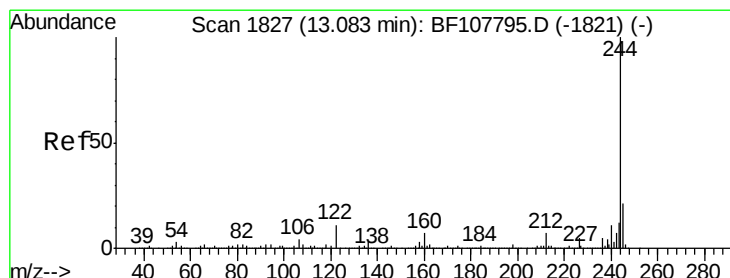
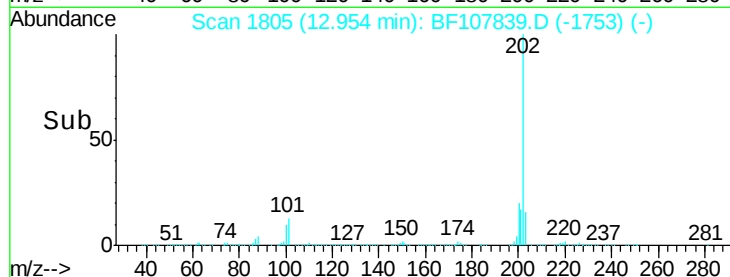
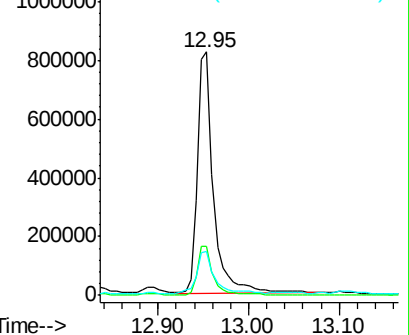
203 18.0 14.3 21.5



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: 12.515 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

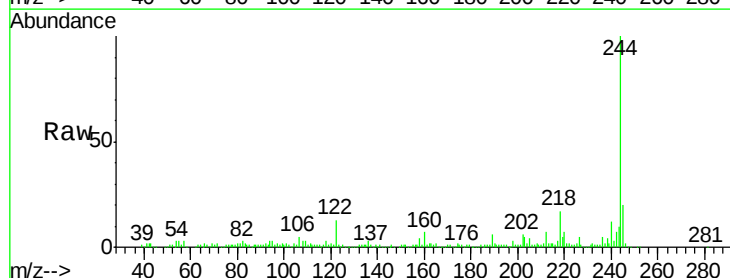
Tgt Ion:244 Resp: 219445

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

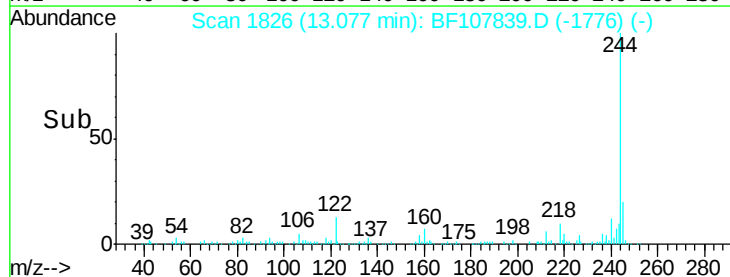
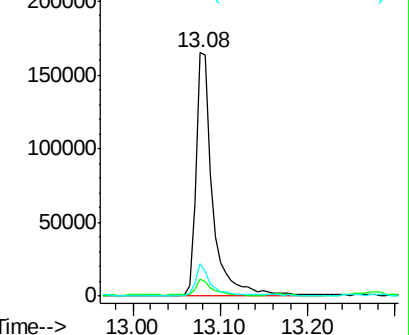
122 13.4 11.0 16.4

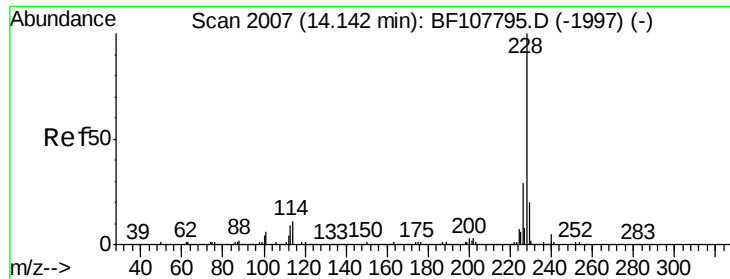


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.496 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

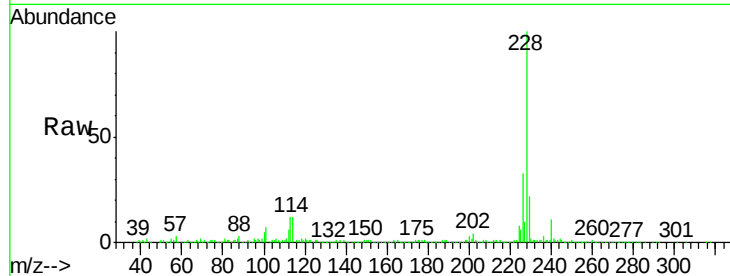
Tgt Ion:228 Resp: 527626

Ion Ratio Lower Upper

228 100

226 33.4 22.6 33.8

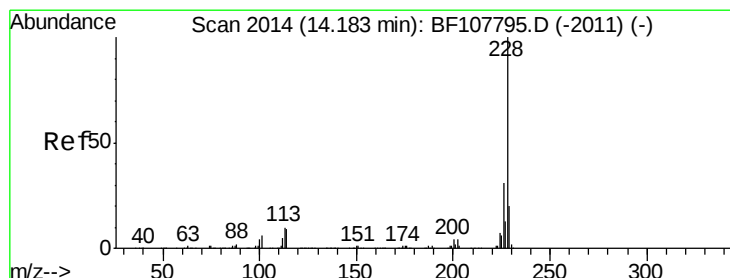
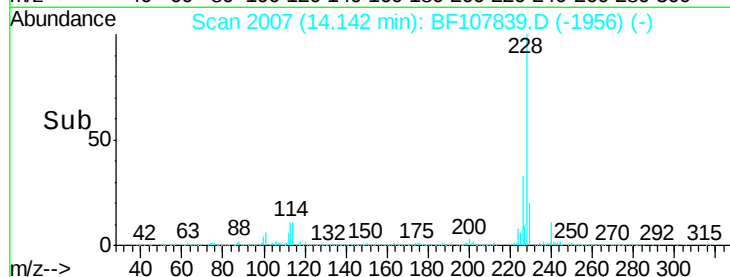
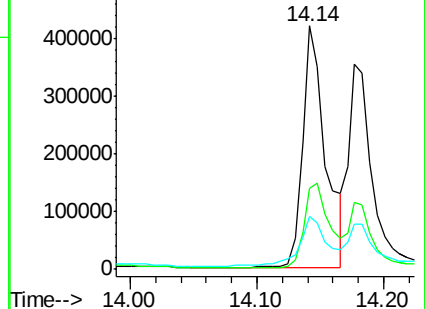
229 21.6 15.8 23.6



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: 19.926 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

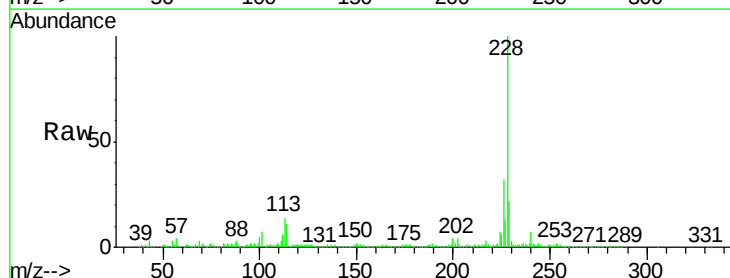
Tgt Ion:228 Resp: 462922

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.6

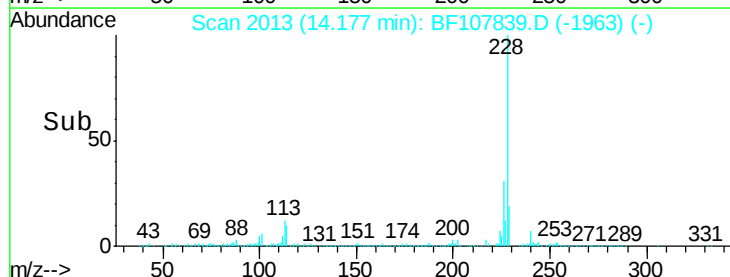
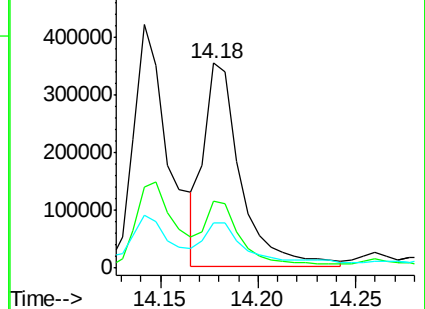
229 22.3 16.2 24.4

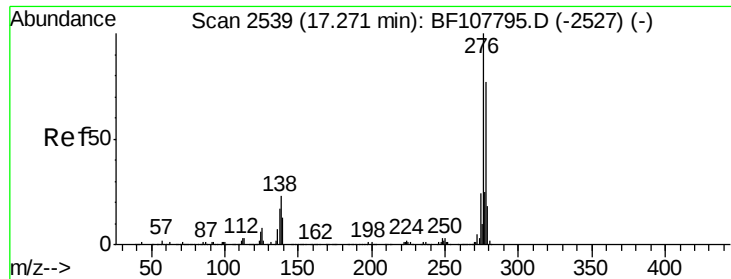


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.821 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

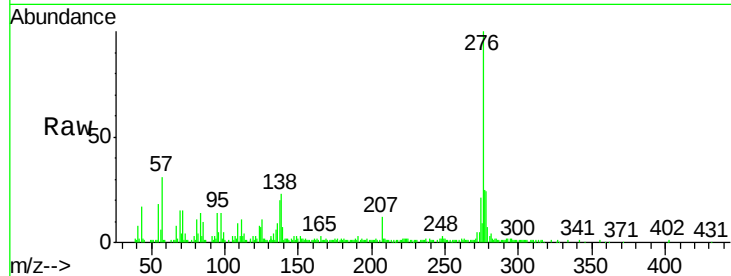
Tgt Ion:276 Resp: 191220

Ion Ratio Lower Upper

276 100

138 22.5 25.0 37.6#

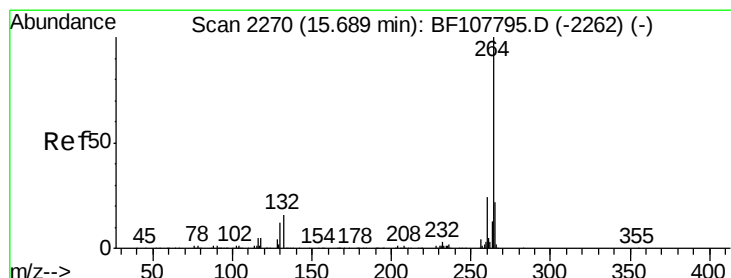
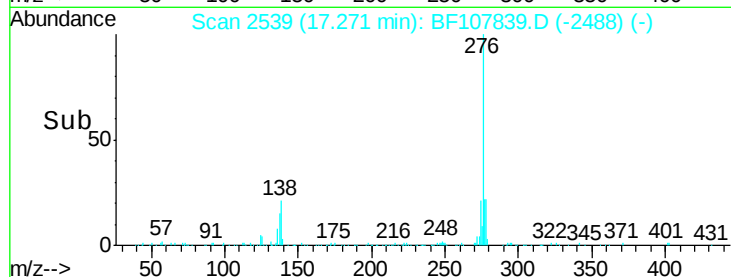
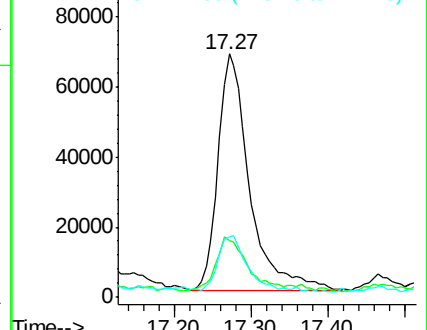
277 21.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

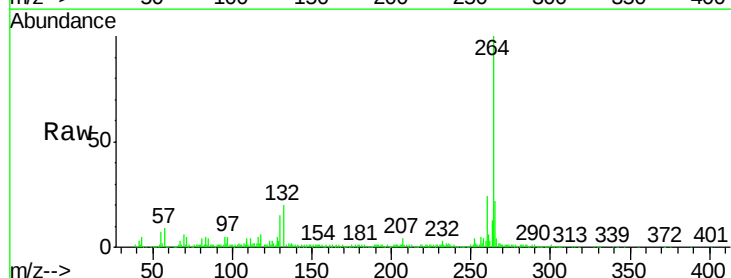
Tgt Ion:264 Resp: 369090

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

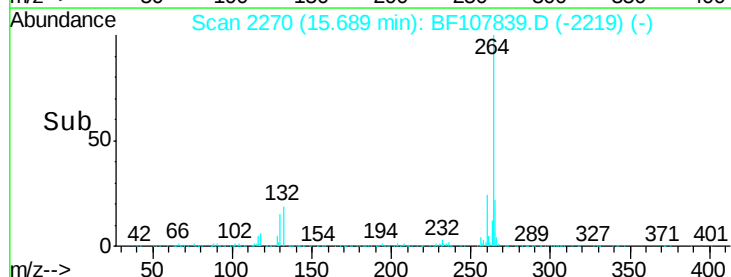
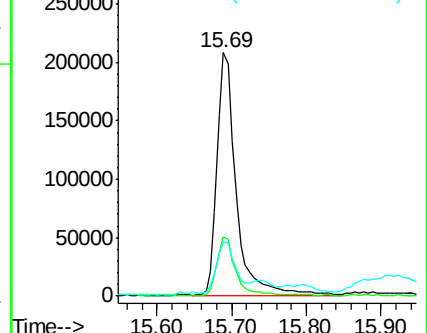
265 22.5 17.5 26.3

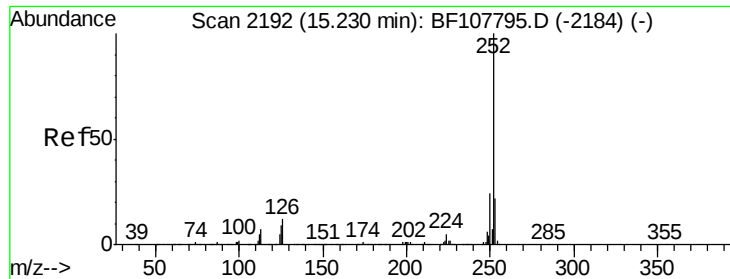


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 33.624 ng

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

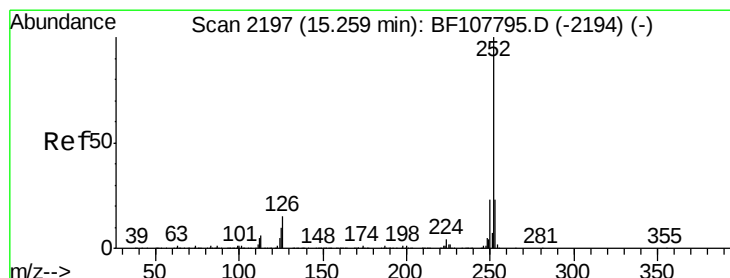
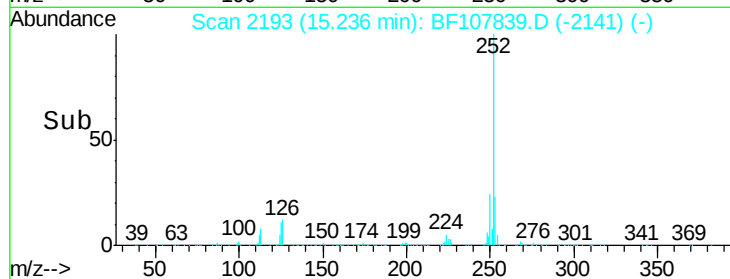
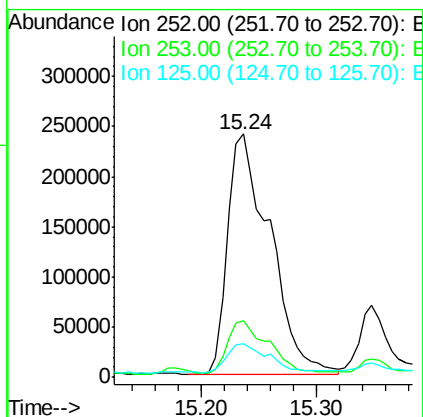
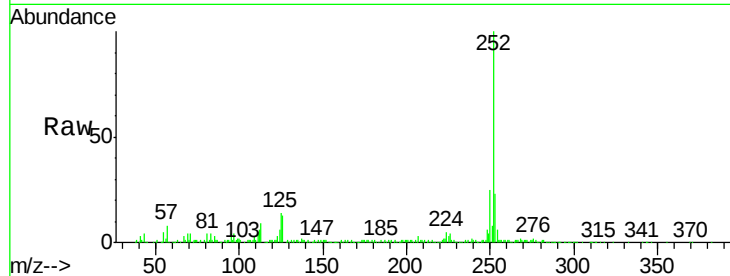
Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

Tgt Ion:	252	Resp:	612076
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.7	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 27.387 ng

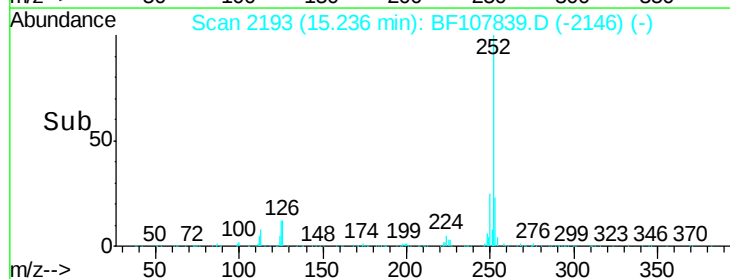
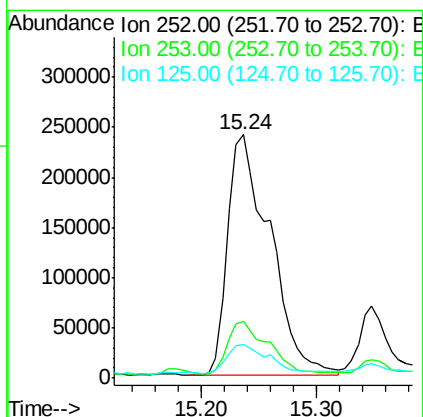
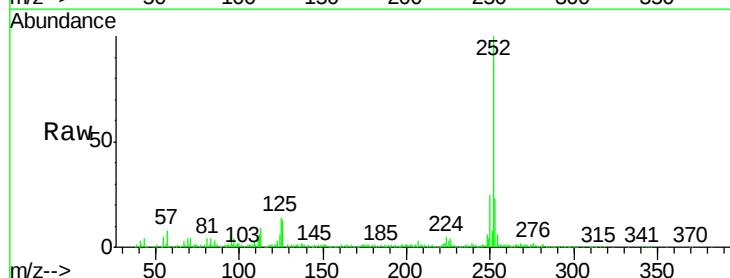
RT: 15.24 min Scan# 2193

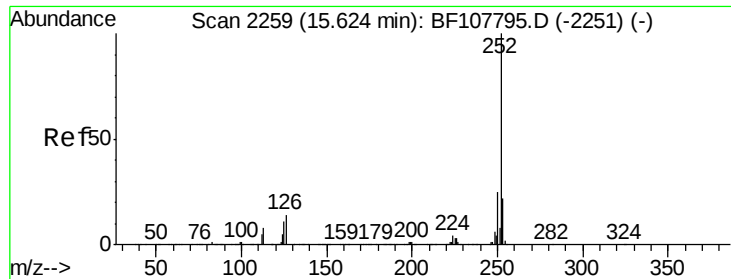
Delta R.T. -0.02 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Tgt Ion:	252	Resp:	612076
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 21.352 ng

RT: 15.62 min Scan# 2259

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

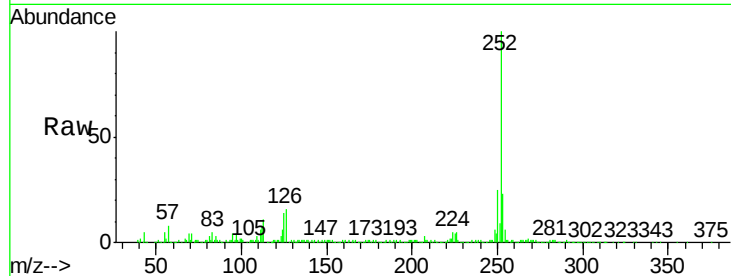
Tgt Ion:252 Resp: 401250

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

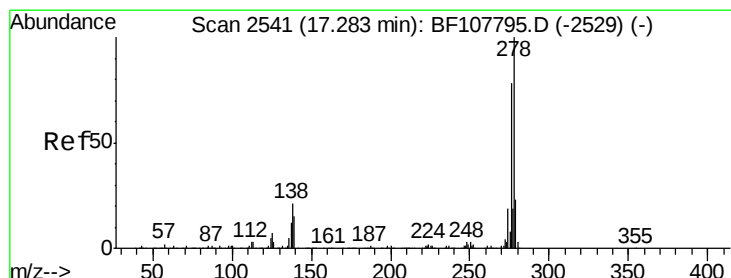
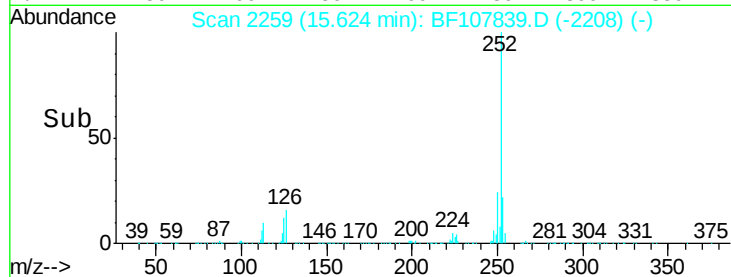
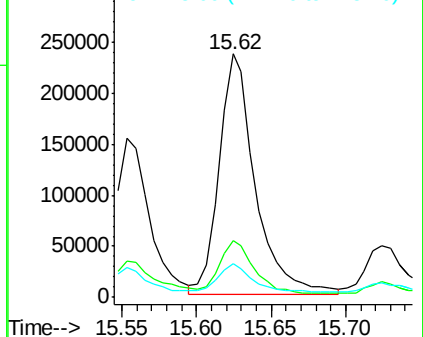
125 13.9 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.886 ng

RT: 17.28 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

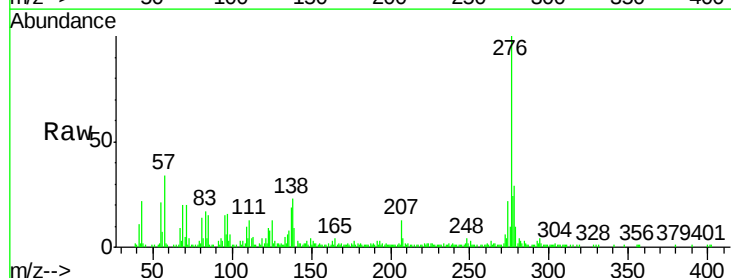
Tgt Ion:278 Resp: 47300

Ion Ratio Lower Upper

278 100

139 29.4 15.9 23.9#

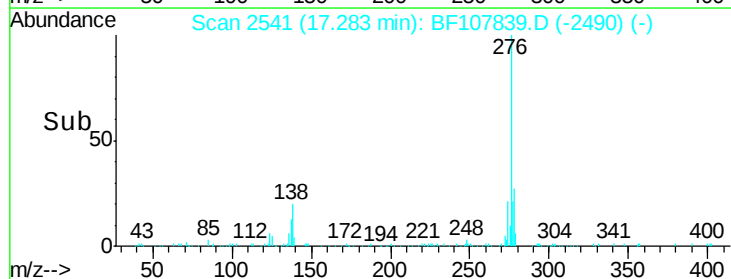
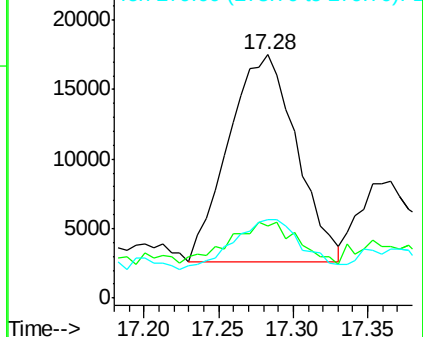
279 32.4 19.0 28.4#

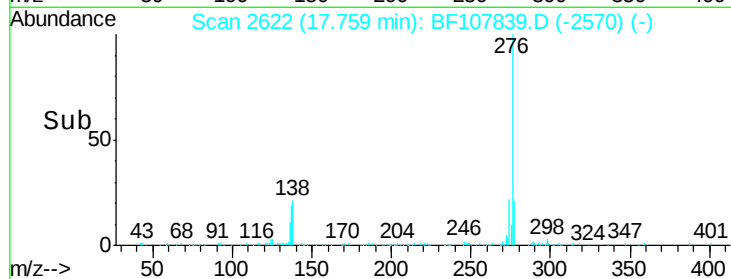
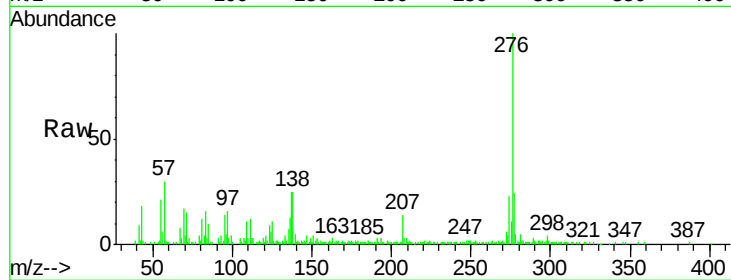
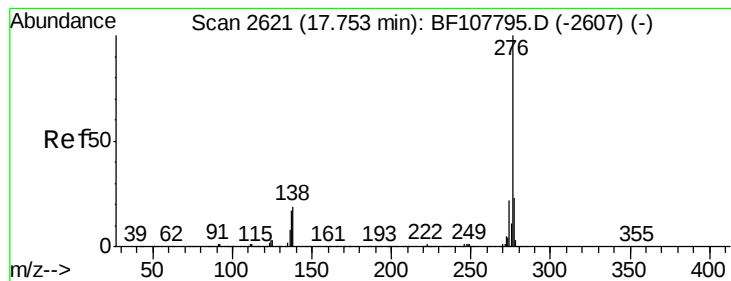


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.965 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

ClientSampleId :

SB-4(3-5)DL

Tgt Ion: 276 Resp: 189773

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 24.9 21.8 32.8

