

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107919.D
 Acq On : 2 Aug 2018 19:45
 Operator : JU/SJ
 Sample : J4260-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-LINER-RO-135

Quant Time: Aug 03 00:55:53 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	117678	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	511321	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	189531	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	340075	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	359038	20.00	ng	-0.01
86) Perylene-d12	15.68	264	278575	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	153678	22.19	ng	0.02
7) Phenol-d6	6.61	99	326845	35.82	ng	0.00
23) Nitrobenzene-d5	7.53	82	206251	23.24	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	54770	21.27	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	483480	35.55	ng	-0.01
78) Terphenyl-d14	13.07	244	490611	29.63	ng	-0.01

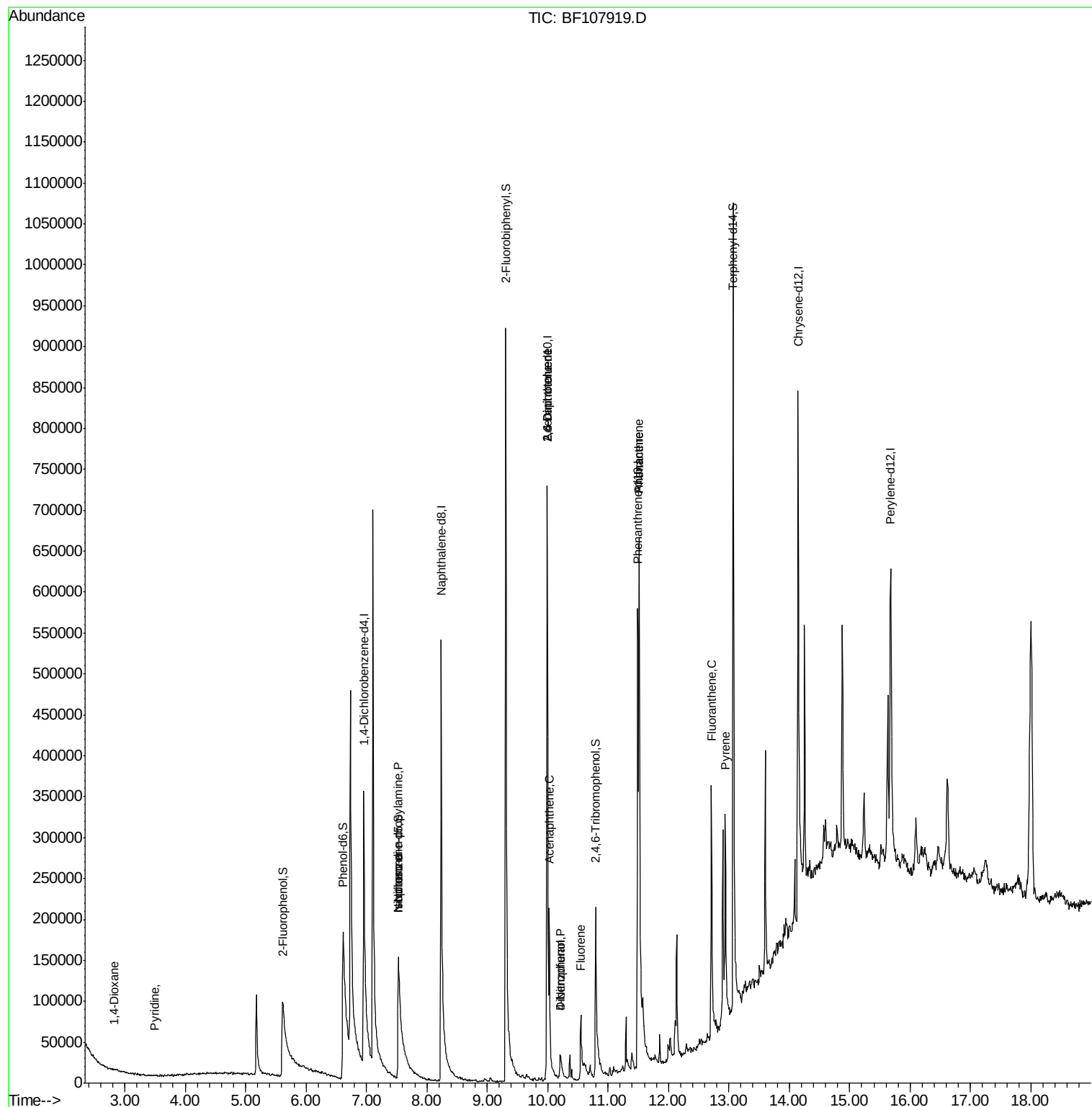
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.83	88	265	5.865	ng	# 48
3) Pyridine	3.50	79	109	6.266	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	21509	3.716	ng	# 85
25) Isophorone	7.53	82	206251	14.157	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	24055	7.776	ng	# 24
51) Acenaphthene	10.02	154	50123	4.279	ng	98
54) Dibenzofuran	10.21	168	38923	2.150	ng	93
55) 4-Nitrophenol	10.21	139	14652	16.370	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	24055	5.917	ng	# 21
57) Fluorene	10.55	166	55860	3.970	ng	94
70) Phenanthrene	11.51	178	339521	21.026	ng	97
71) Anthracene	11.51	178	339521	18.229	ng	98
74) Fluoranthene	12.71	202	218622	11.524	ng	94
77) Pyrene	12.94	202	149226	5.772	ng	98

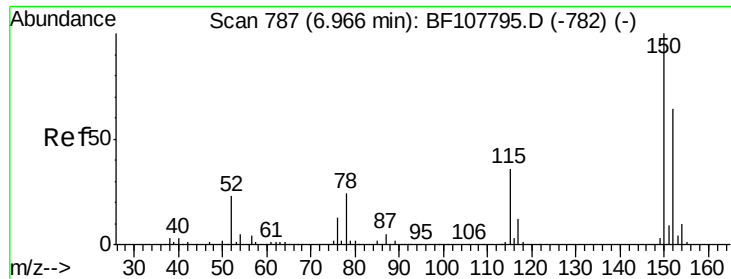
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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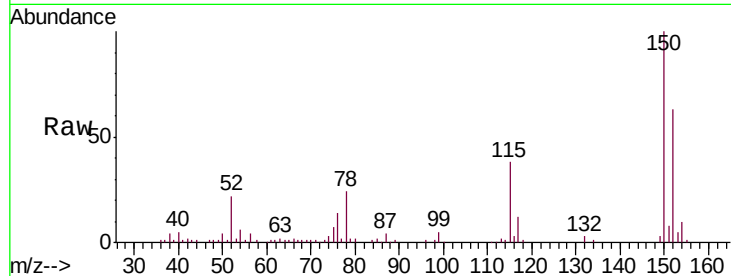


#1

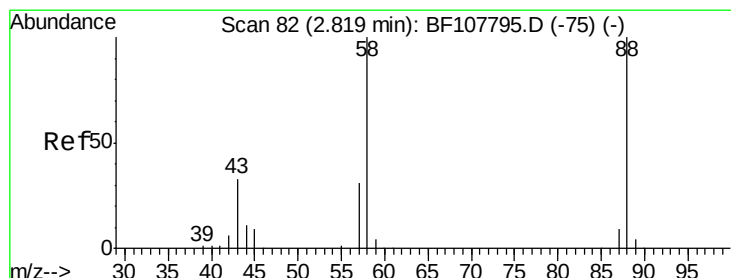
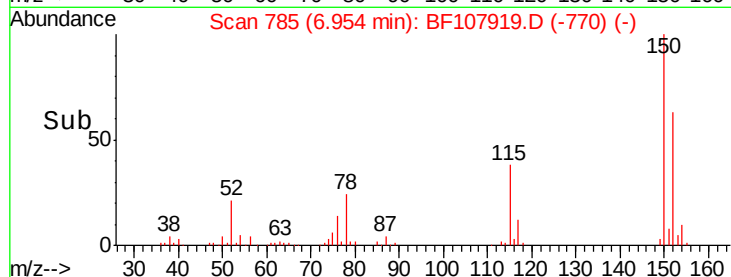
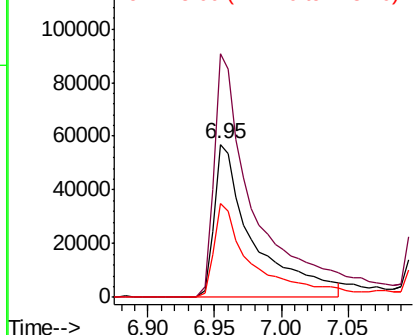
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Instrument :
BNA_F
ClientSampleId :
TS-LINER-RO-135

Tgt Ion:152 Resp: 117678
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 61.2 50.1 75.1



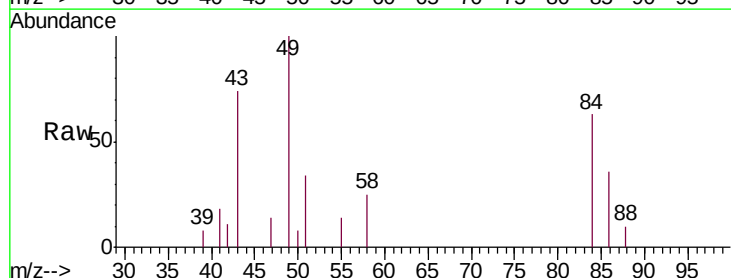
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



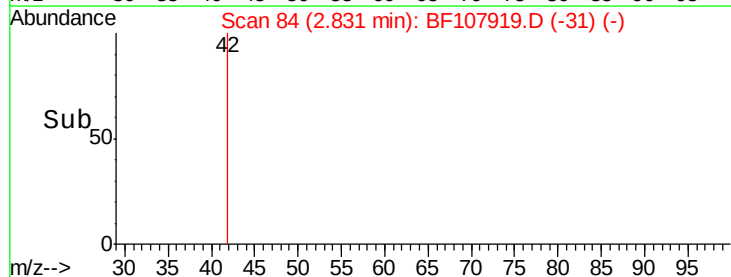
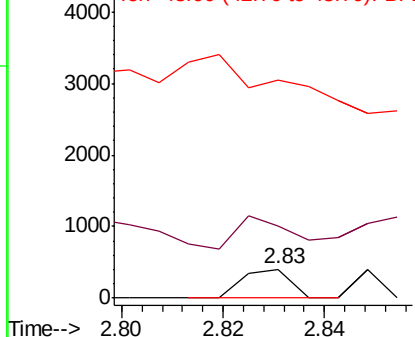
#2

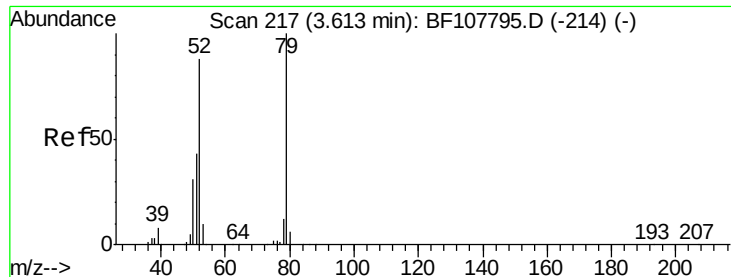
1,4-Dioxane
Concen: 5.865 ng
RT: 2.83 min Scan# 84
Delta R.T. 0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
58 122.3 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: 6.266 ng

RT: 3.50 min Scan# 197

Delta R.T. -0.12 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

Instrument :

BNA_F

ClientSampleId :

TS-LINER-RO-135

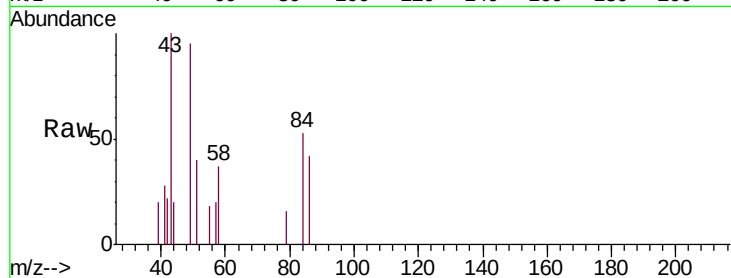
Tgt Ion: 79 Resp: 109

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

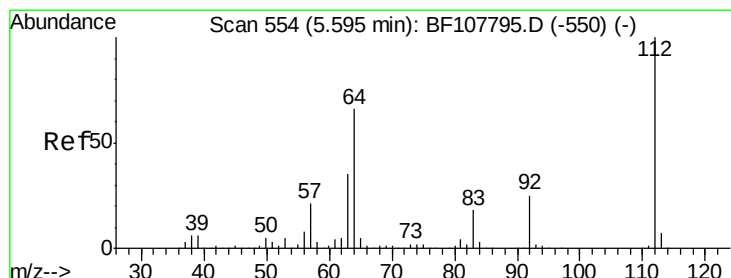
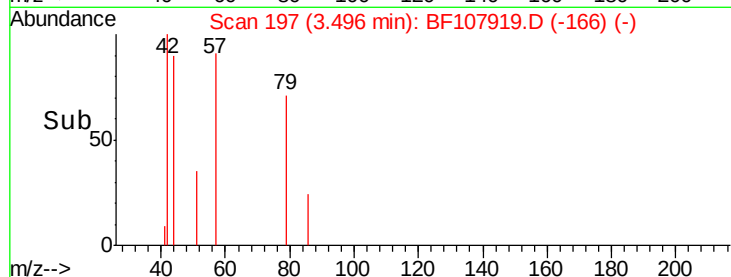
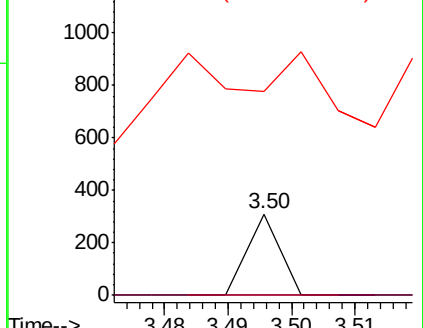
51 251.3 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 22.195 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.02 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

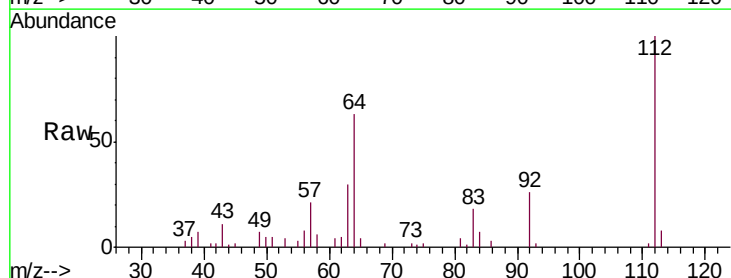
Tgt Ion: 112 Resp: 153678

Ion Ratio Lower Upper

112 100

64 62.7 47.9 71.9

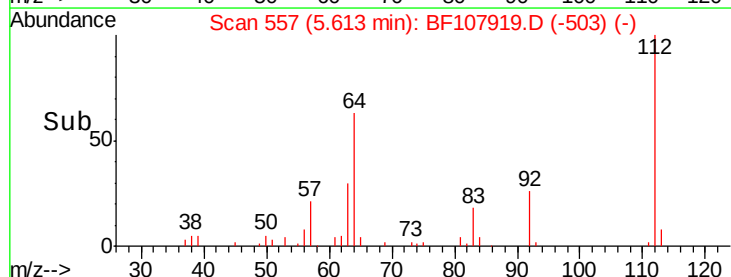
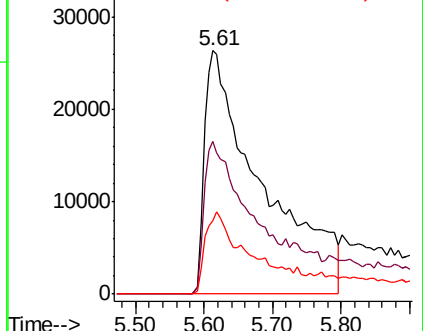
63 30.4 23.7 35.5

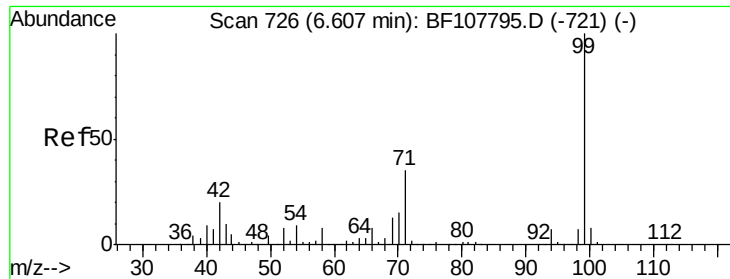


Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 35.817 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

Instrument :

BNA_F

ClientSampleId :

TS-LINER-RO-135

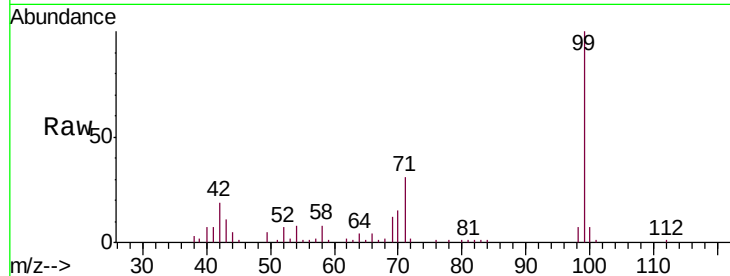
Tgt Ion: 99 Resp: 326845

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

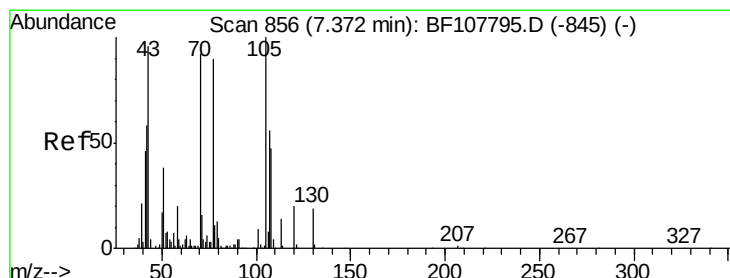
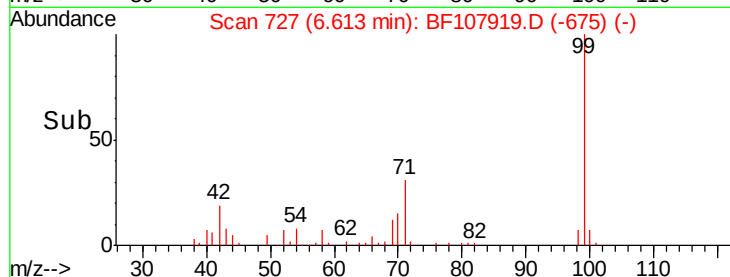
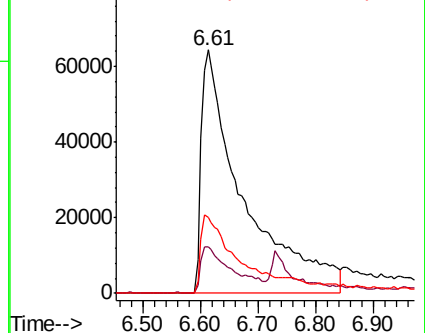
71 31.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.716 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.16 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

Tgt Ion: 70 Resp: 21509

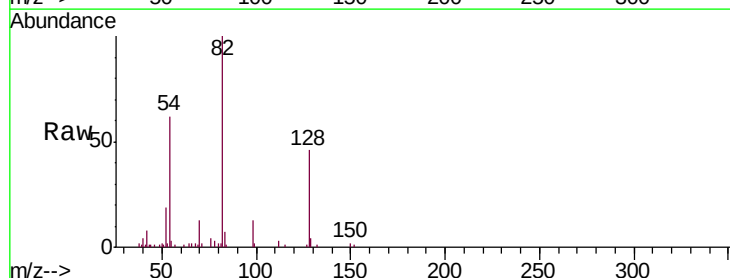
Ion Ratio Lower Upper

70 100

42 57.5 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

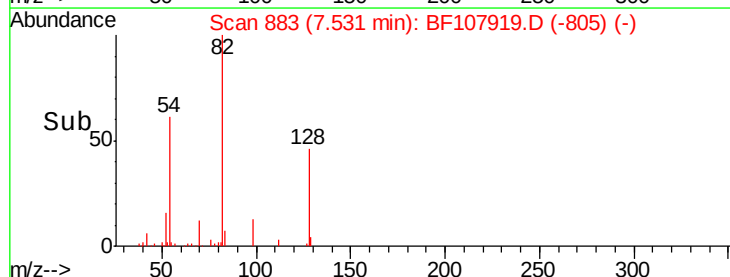
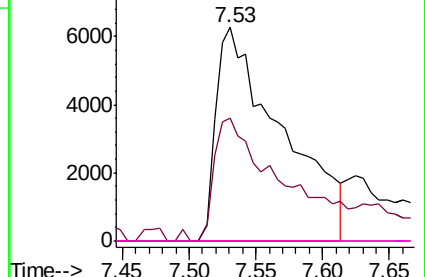


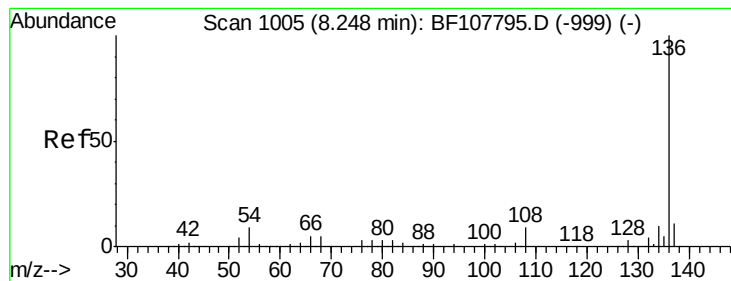
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

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TS-LINER-RO-135

Tgt Ion: 136 Resp: 511321

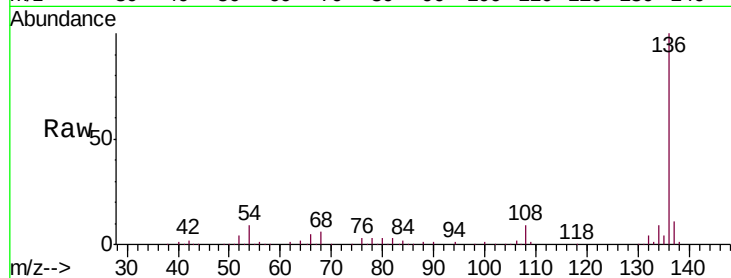
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.3 6.6 9.8

68 5.7 5.0 7.4

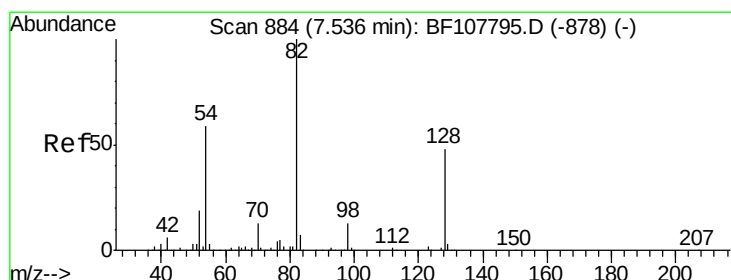
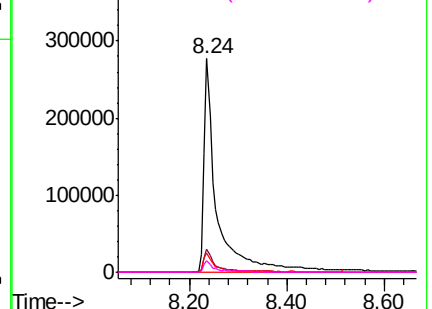
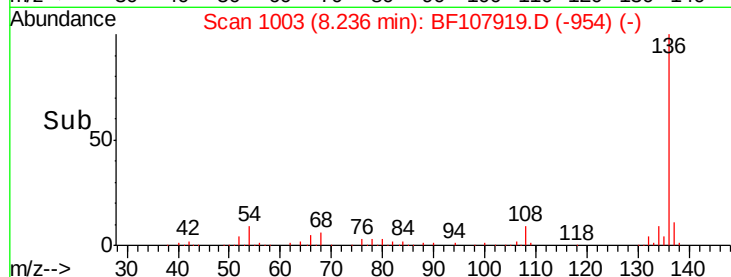


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.238 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

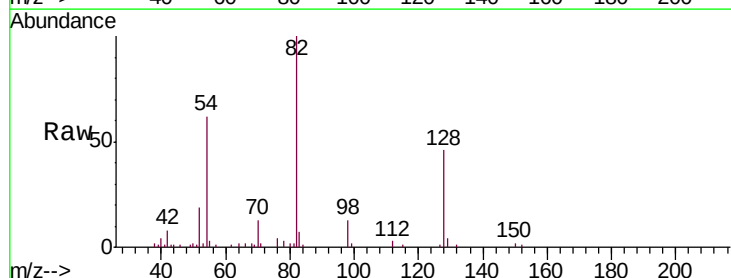
Tgt Ion: 82 Resp: 206251

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

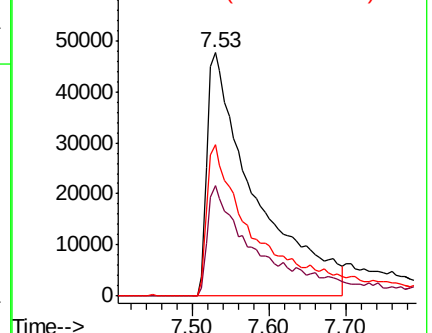
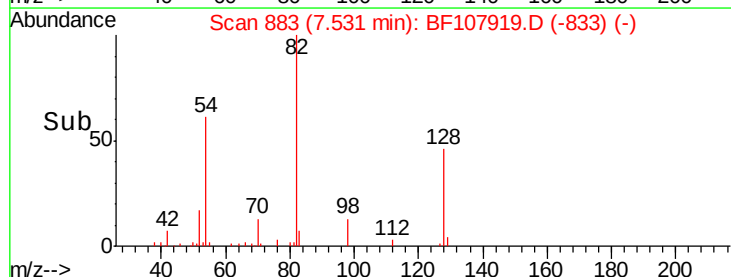
54 62.4 41.4 62.2#

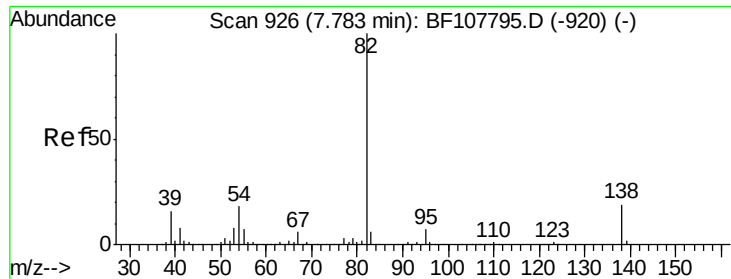


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

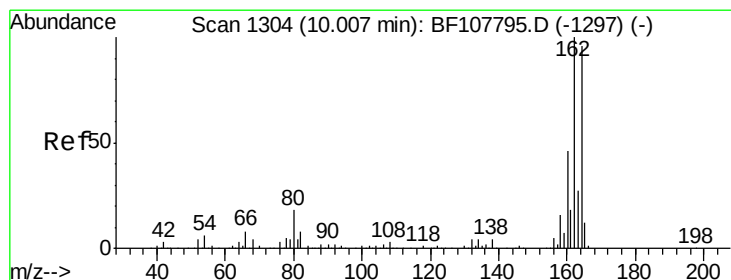
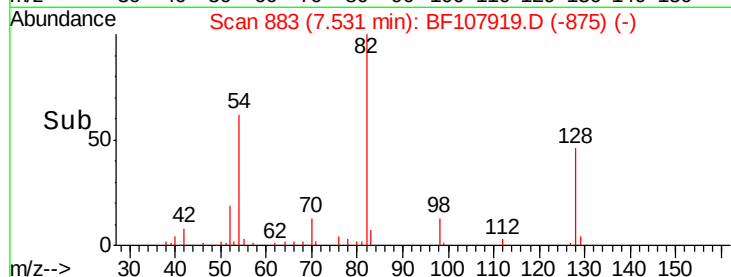
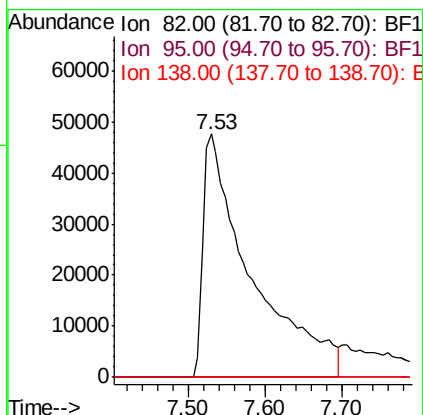
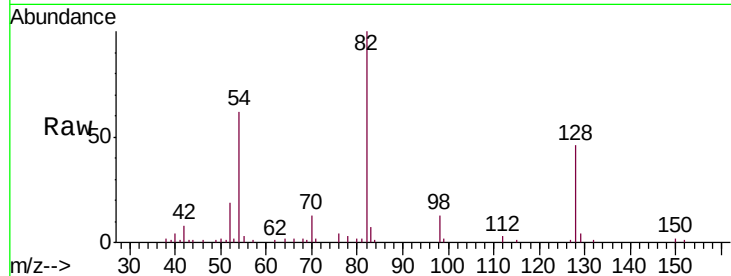




#25
Isophorone
Concen: 14.157 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

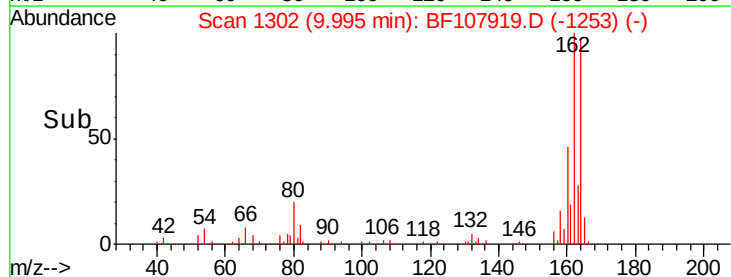
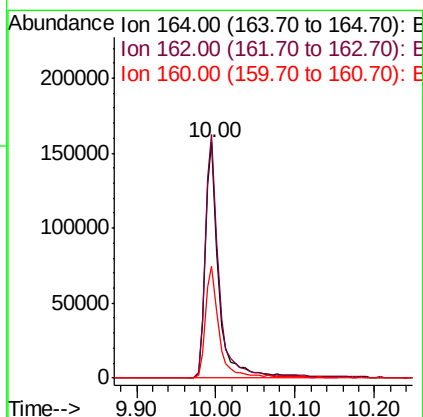
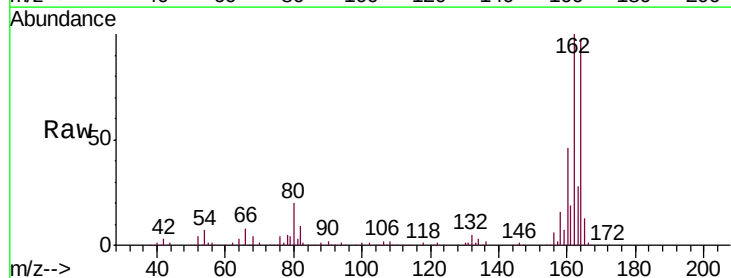
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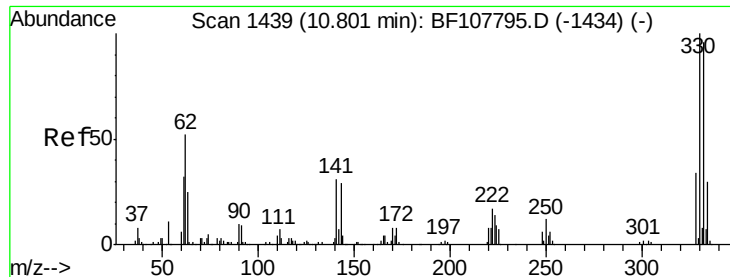
Tgt Ion: 82 Resp: 206251
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion: 164 Resp: 189531
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 47.3 38.3 57.5

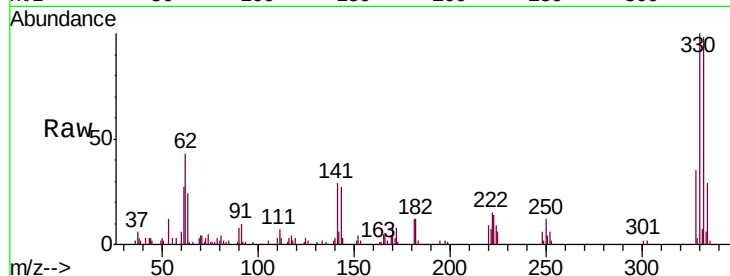




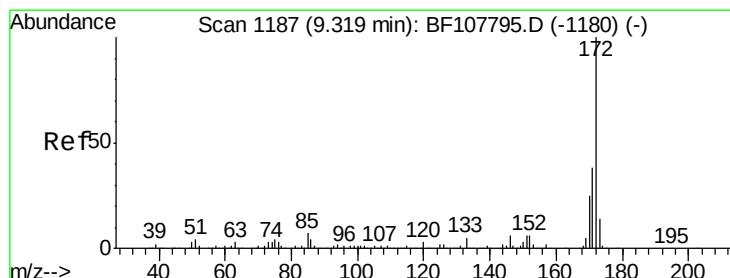
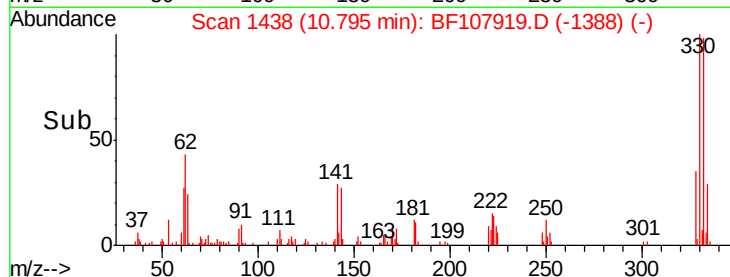
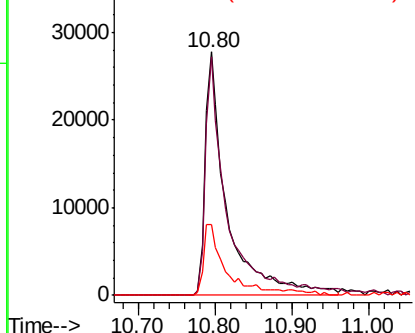
#41
 2,4,6-Tribromophenol
 Concen: 21.267 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

Instrument :
 BNA_F
 ClientSampleId :
 TS-LINER-RO-135

Tgt Ion: 330 Resp: 54770
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.0 115.6
 141 28.1 29.9 44.9#

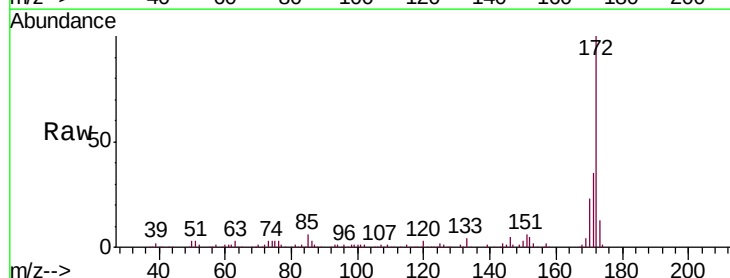


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

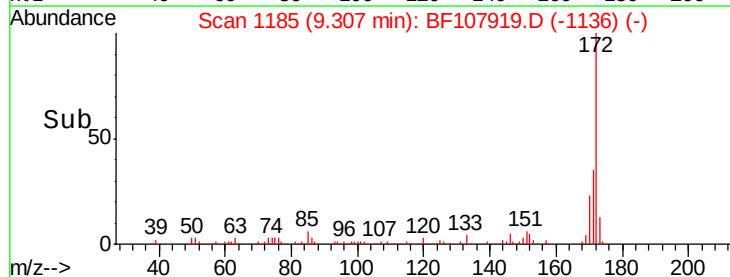
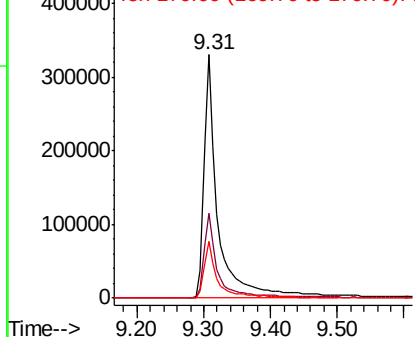


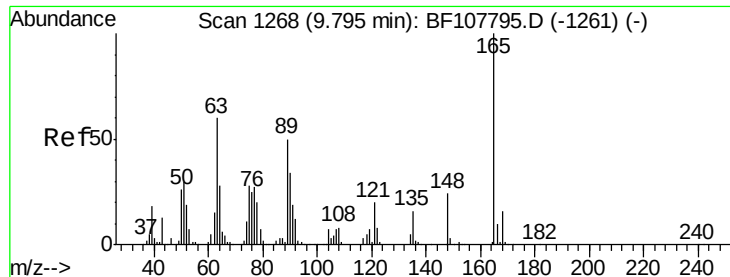
#44
 2-Fluorobiphenyl
 Concen: 35.547 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

Tgt Ion: 172 Resp: 483480
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.2 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

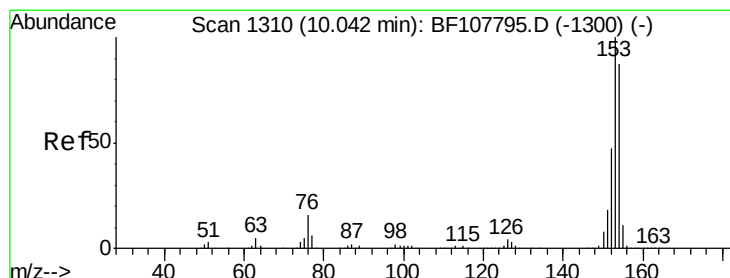
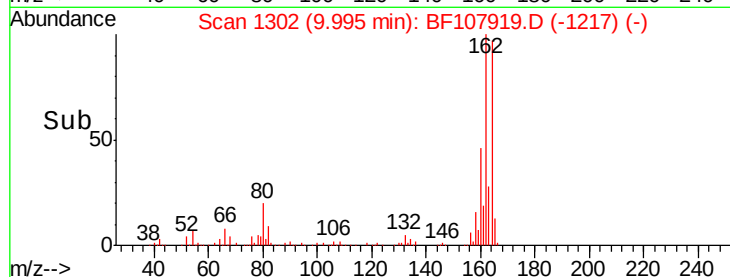
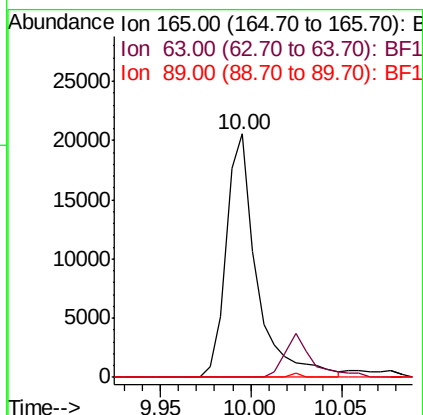
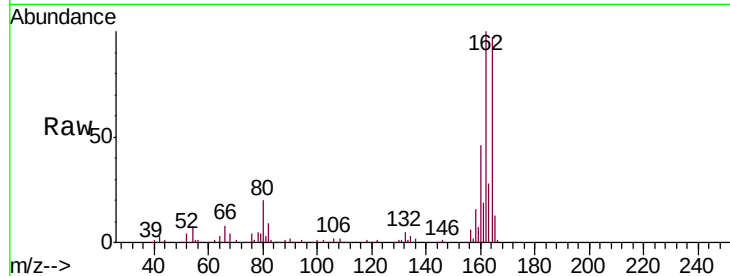




#50
 2,6-Dinitrotoluene
 Concen: 7.776 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

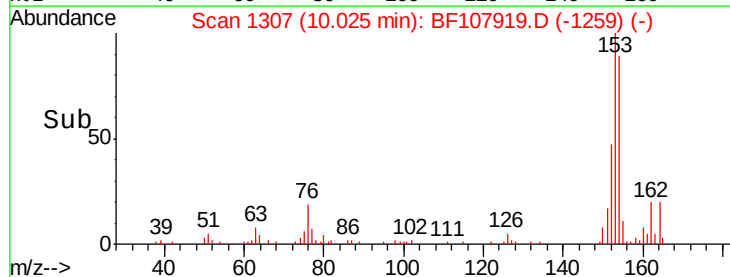
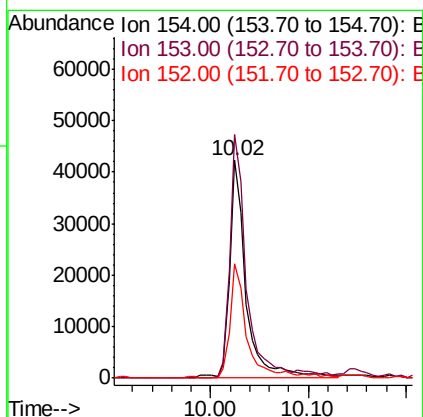
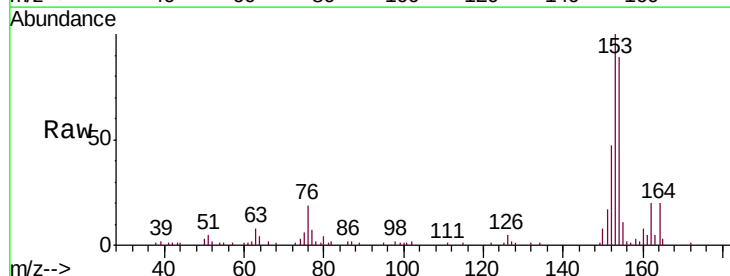
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 BNA_F
 ClientSampleId :
 TS-LINER-RO-135

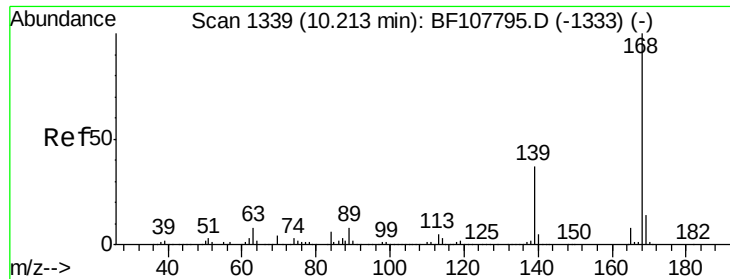
Tgt Ion:165 Resp: 24055
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#51
 Acenaphthene
 Concen: 4.279 ng
 RT: 10.02 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

Tgt Ion:154 Resp: 50123
 Ion Ratio Lower Upper
 154 100
 153 112.0 91.2 136.8
 152 52.4 43.8 65.8





#54

Dibenzenofuran

Concen: 2.150 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

Instrument :

BNA_F

ClientSampleId :

TS-LINER-RO-135

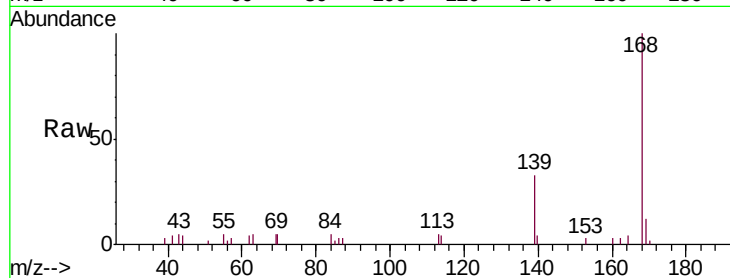
Tgt Ion:168 Resp: 38923

Ion Ratio Lower Upper

168 100

139 32.9 30.1 45.1

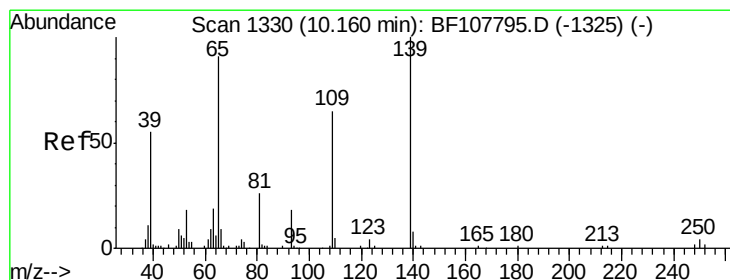
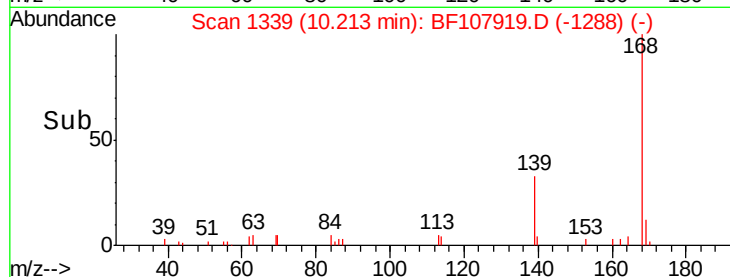
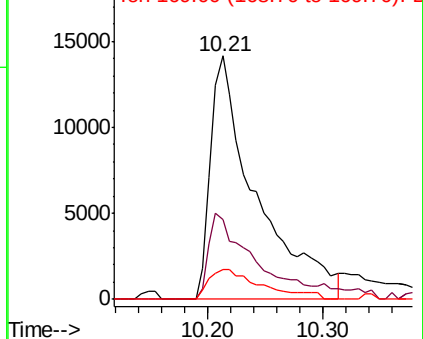
169 12.4 10.9 16.3



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: 16.370 ng

RT: 10.21 min Scan# 1338

Delta R.T. 0.05 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

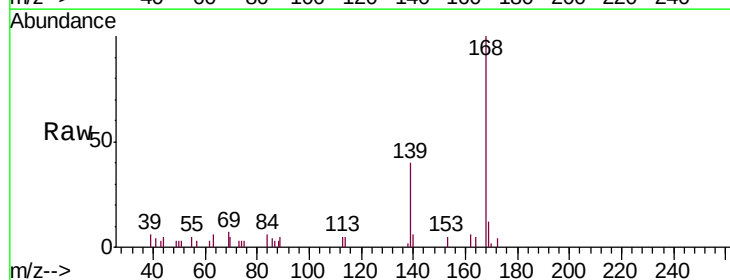
Tgt Ion:139 Resp: 14652

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

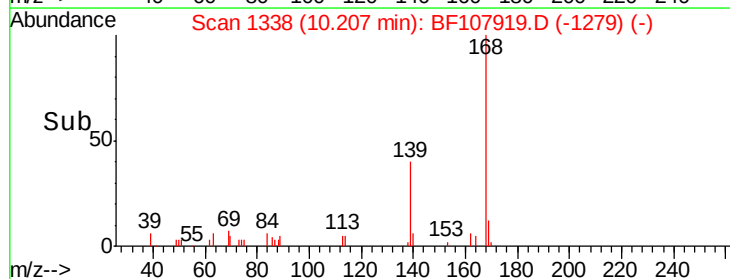
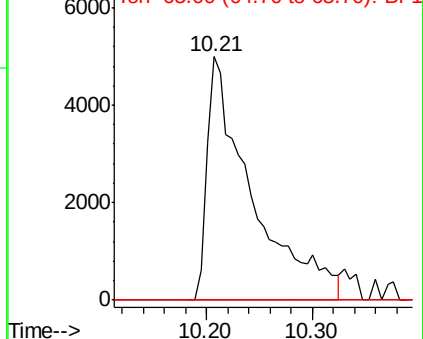
65 0.0 72.6 112.6#

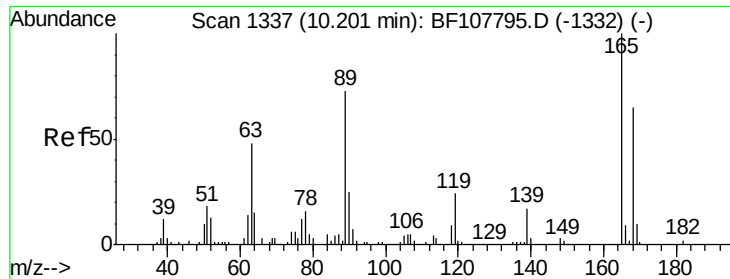


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

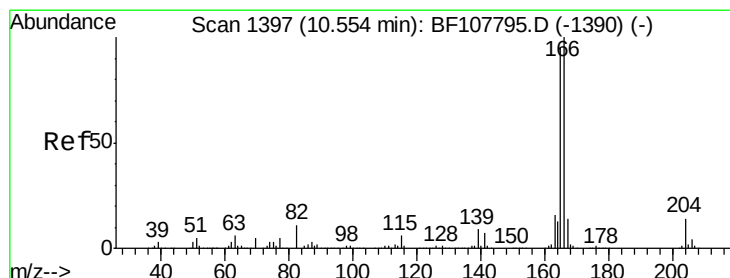
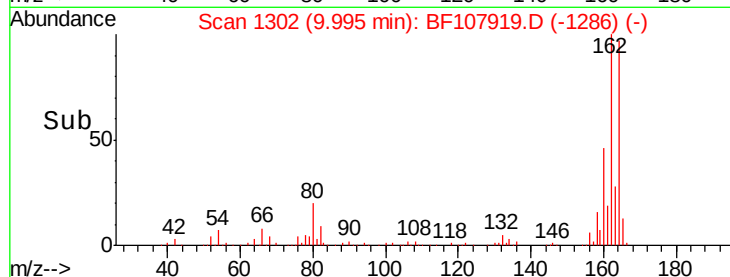
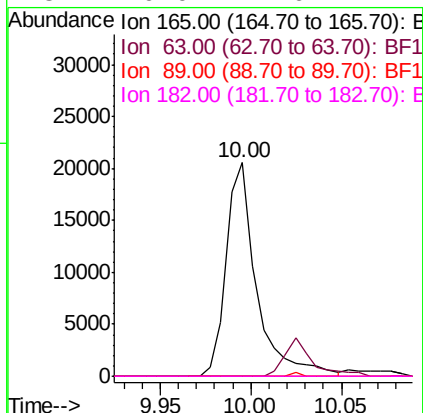
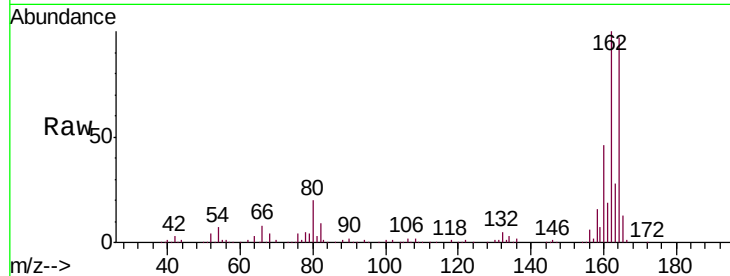




#56
 2,4-Dinitrotoluene
 Concen: 5.917 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

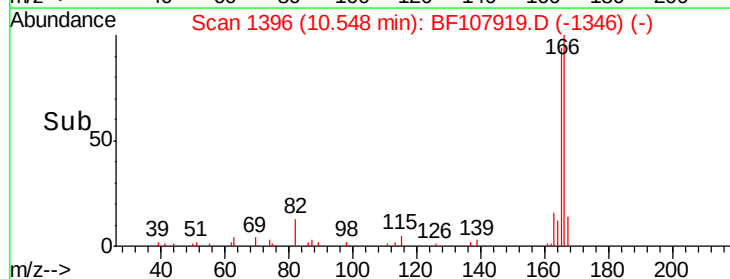
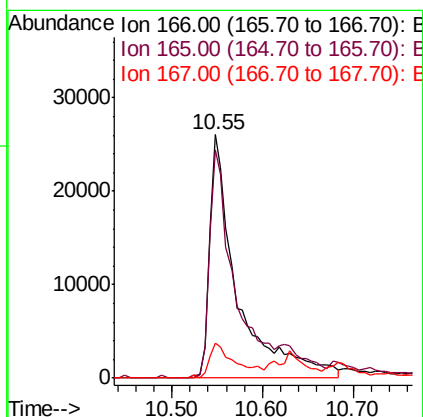
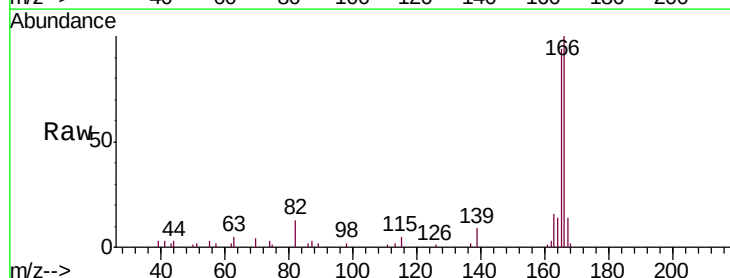
Instrument :
 BNA_F
 ClientSampleId :
 TS-LINER-RO-135

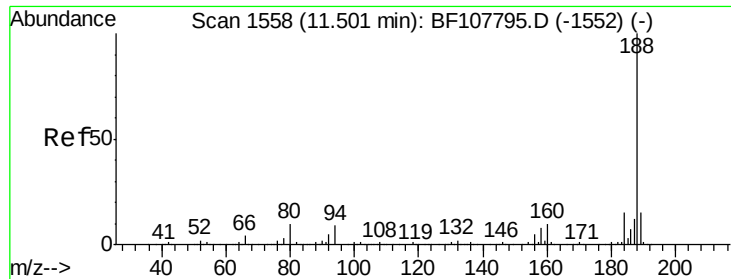
Tgt Ion:	165	Resp:	24055
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 3.970 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

Tgt Ion:	166	Resp:	55860
Ion	Ratio	Lower	Upper
166	100		
165	93.5	79.8	119.8
167	14.1	10.6	16.0

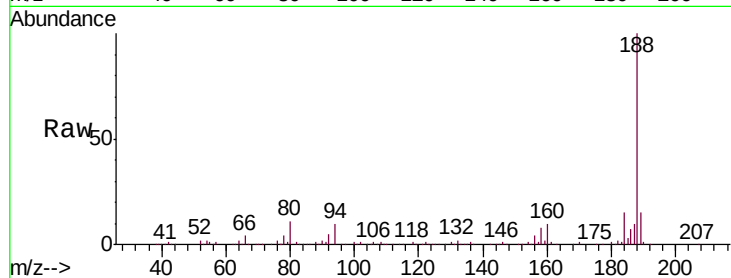




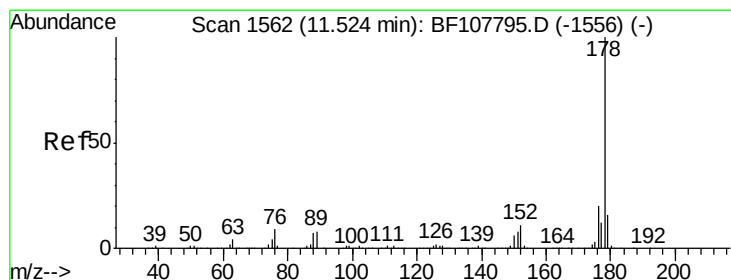
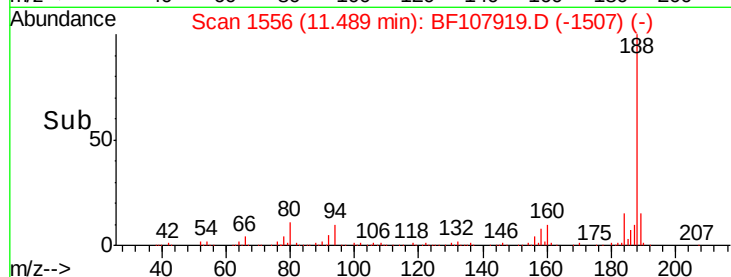
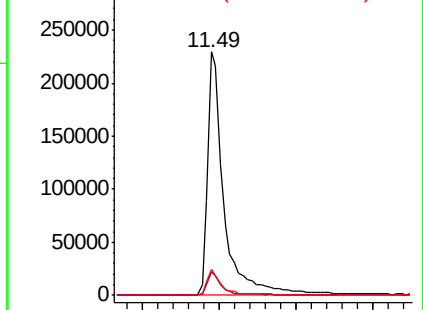
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Instrument :
BNA_F
ClientSampleId :
TS-LINER-RO-135

Tgt Ion:188 Resp: 340075
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.6 9.2 13.8

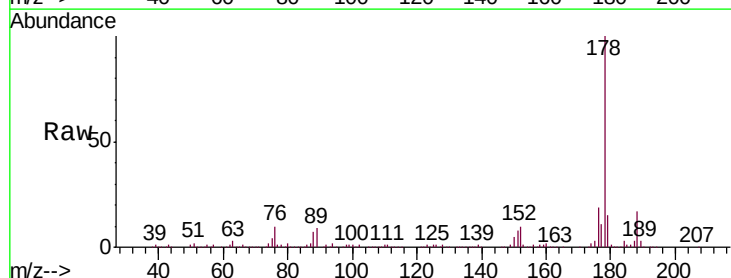


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

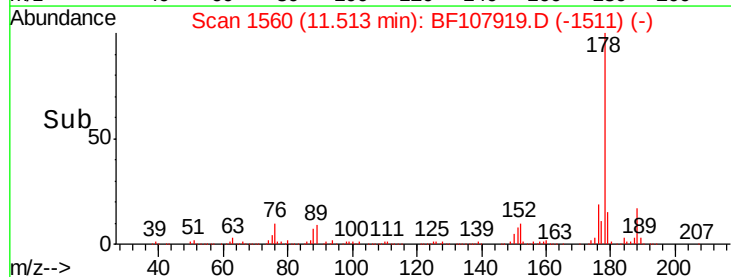
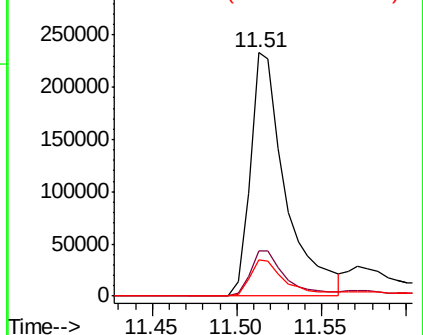


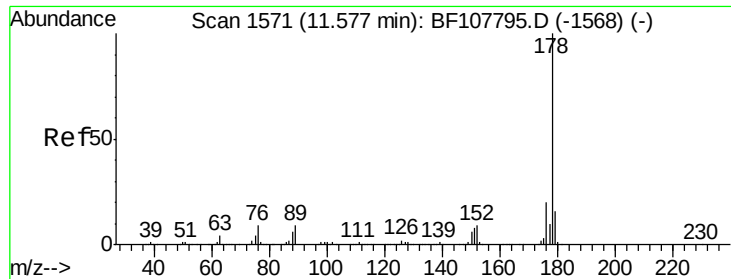
#70
Phenanthrene
Concen: 21.026 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107919.D
Acq: 2 Aug 2018 19:45

Tgt Ion:178 Resp: 339521
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.7 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

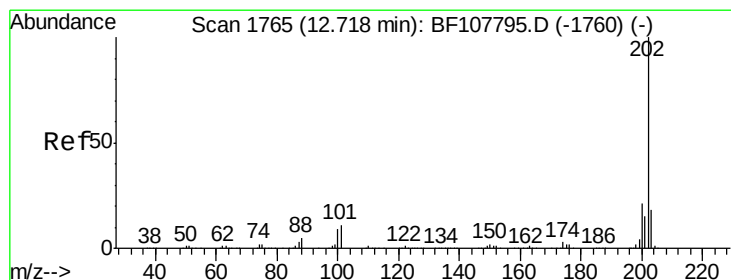
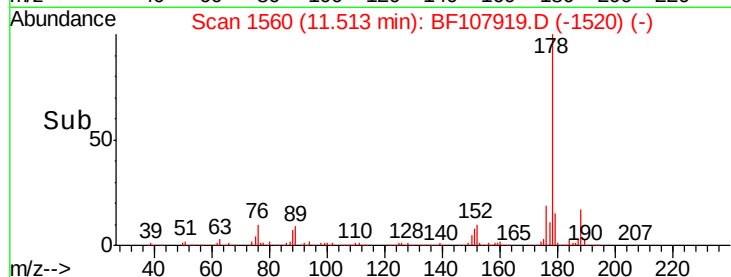
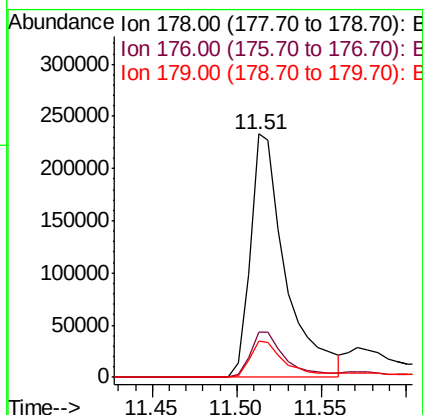
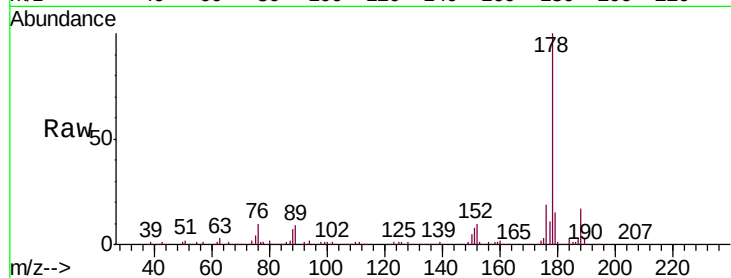




#71
 Anthracene
 Concen: 18.229 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

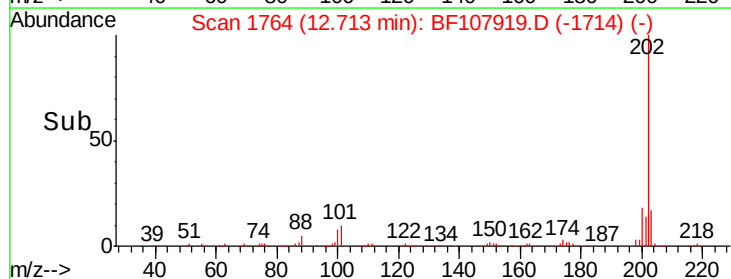
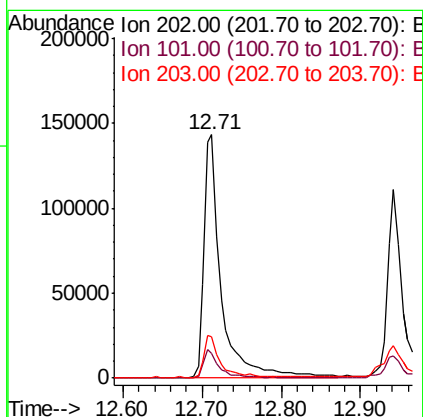
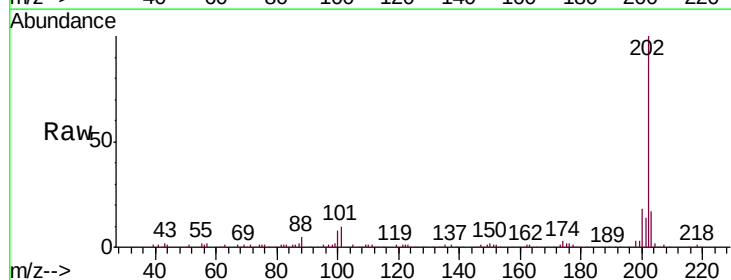
Instrument :
 BNA_F
 ClientSampleId :
 TS-LINER-RO-135

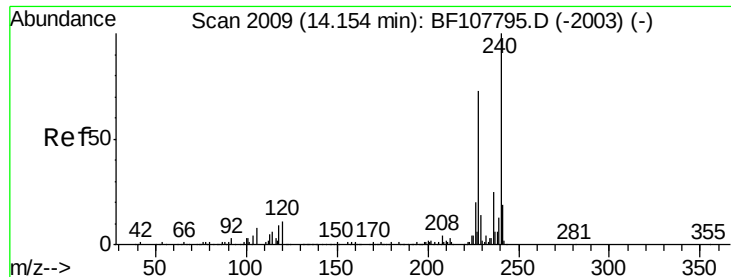
Tgt Ion:178 Resp: 339521
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 14.7 12.6 19.0



#74
 Fluoranthene
 Concen: 11.524 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107919.D
 Acq: 2 Aug 2018 19:45

Tgt Ion:202 Resp: 218622
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 34.1
 203 16.7 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: BF107919.D

Acq: 2 Aug 2018 19:45

Instrument :

BNA_F

ClientSampleId :

TS-LINER-RO-135

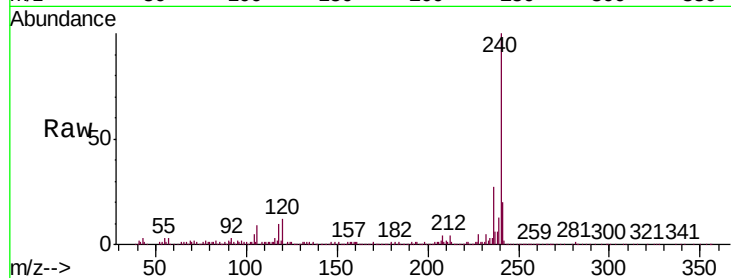
Tgt Ion:240 Resp: 359038

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

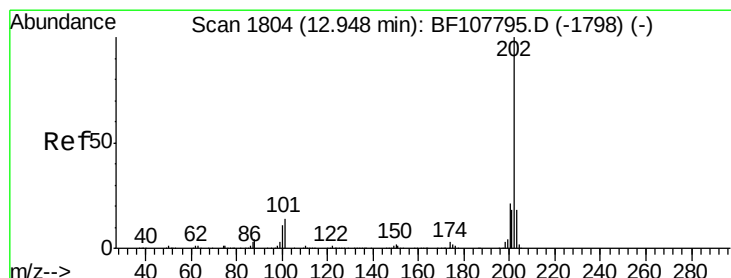
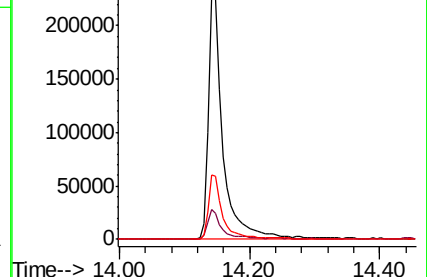
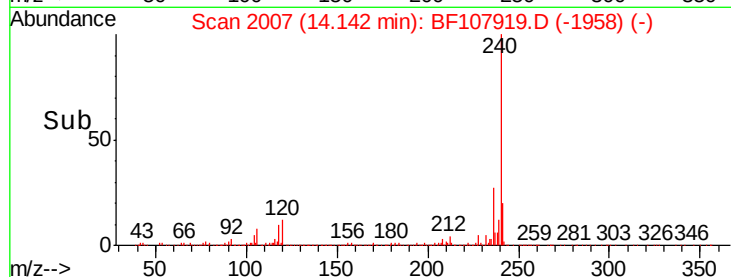
236 26.6 20.7 31.1



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: 5.772 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

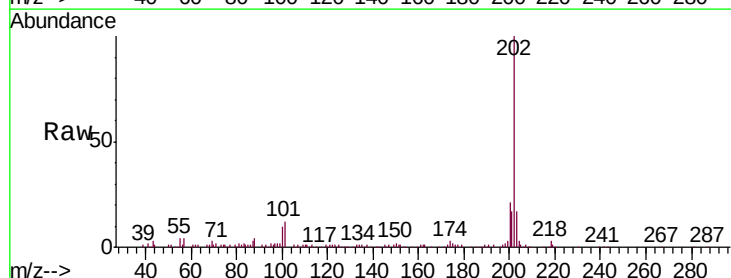
Tgt Ion:202 Resp: 149226

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

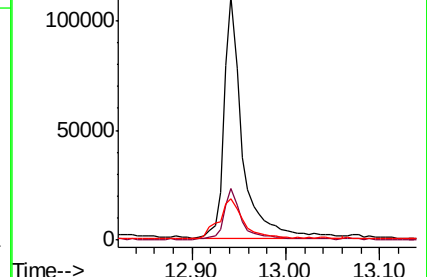
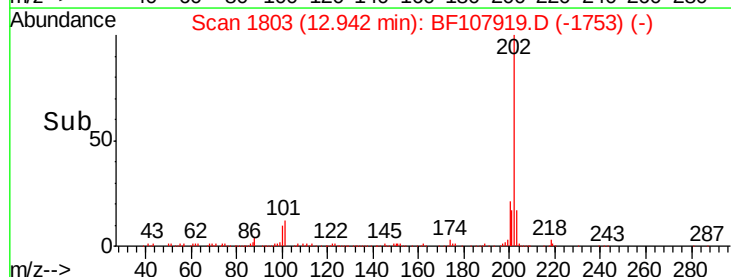
203 17.1 14.3 21.5

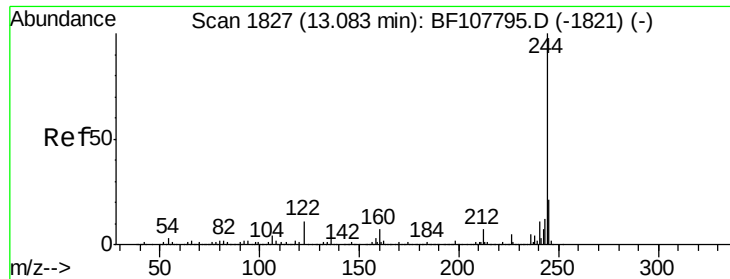


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.631 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

Instrument :

BNA_F

ClientSampleId :

TS-LINER-RO-135

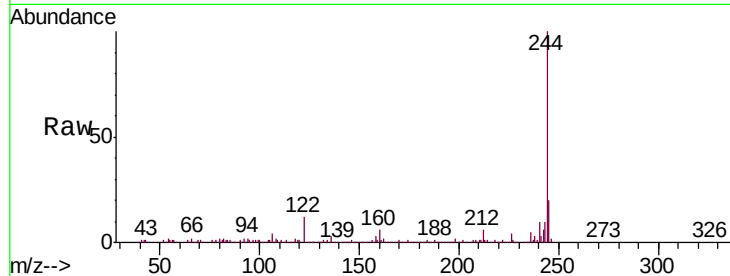
Tgt Ion:244 Resp: 490611

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

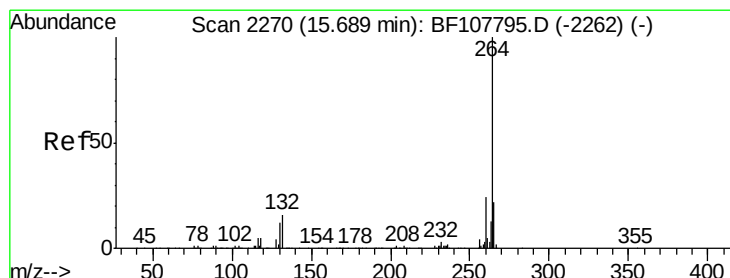
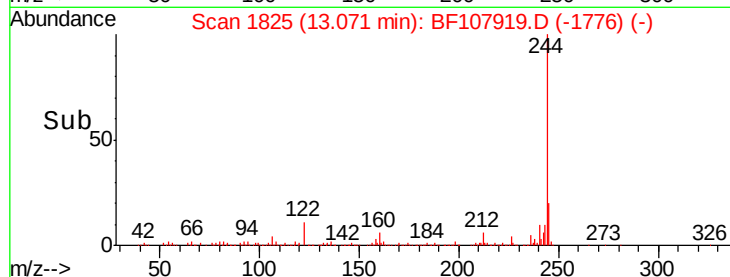
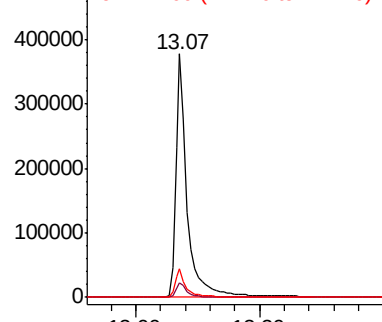
122 11.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF107919.D

Acq: 2 Aug 2018 19:45

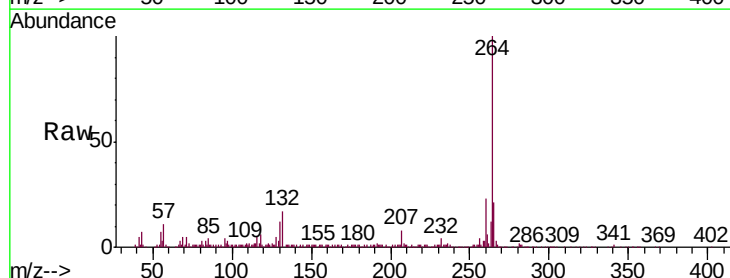
Tgt Ion:264 Resp: 278575

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.2 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

