

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107910.D
 Acq On : 2 Aug 2018 15:40
 Operator : JU/SJ
 Sample : J4267-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-W

Quant Time: Aug 02 17:08:44 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	147868	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	565026	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	224404	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	379612	20.00	ng	0.00
75) Chrysene-d12	14.15	240	354994	20.00	ng	0.00
86) Perylene-d12	15.68	264	385454	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	809792	93.07	ng	0.00
7) Phenol-d6	6.60	99	1055964	92.09	ng	0.00
23) Nitrobenzene-d5	7.52	82	591198	60.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	251920	82.62	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1083279	67.27	ng	-0.01
78) Terphenyl-d14	13.08	244	952621	58.19	ng	0.00

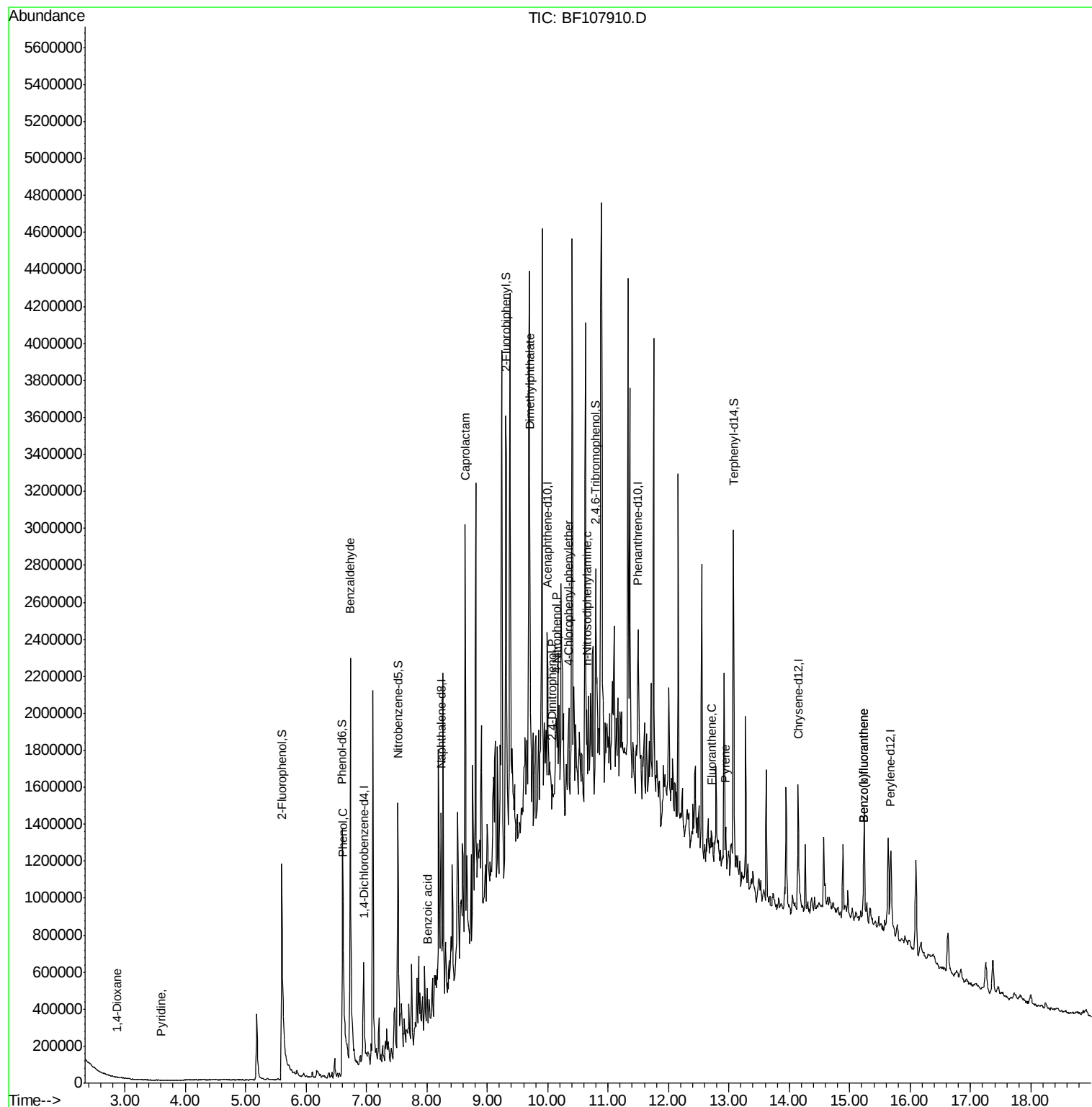
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.87	88	99	5.815	ng	# 20
3) Pyridine	3.60	79	109	6.263	ng	# 1
9) Benzaldehyde	6.73	77	19156	2.769	ng	89
10) Phenol	6.62	94	40157	2.937	ng	# 10
32) Benzoic acid	8.01	122	4362	2.419	ng	# 36
35) Caprolactam	8.64	113	50243	21.353	ng	# 29
49) Dimethylphthalate	9.71	163	114630	6.802	ng	# 95
53) 2,4-Dinitrophenol	10.08	184	620	8.728	ng	# 1
55) 4-Nitrophenol	10.14	139	1216	9.807	ng	# 1
60) 4-Chlorophenyl-phenylether	10.34	204	20165	2.222	ng	87
65) n-Nitrosodiphenylamine	10.65	169	33558	2.685	ng	# 38
74) Fluoranthene	12.71	202	56790	2.682	ng	88
77) Pyrene	12.95	202	83735	3.276	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	50494	2.656	ng	# 43
88) Benzo(k)fluoranthene	15.22	252	50494	2.163	ng	# 47

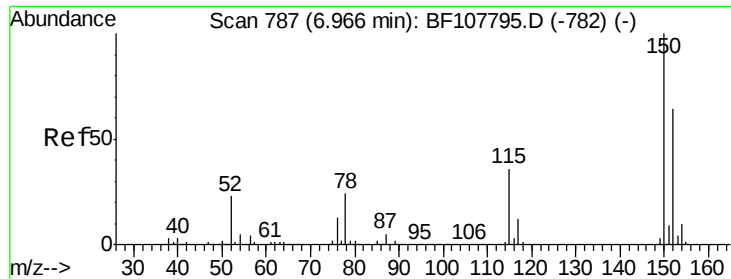
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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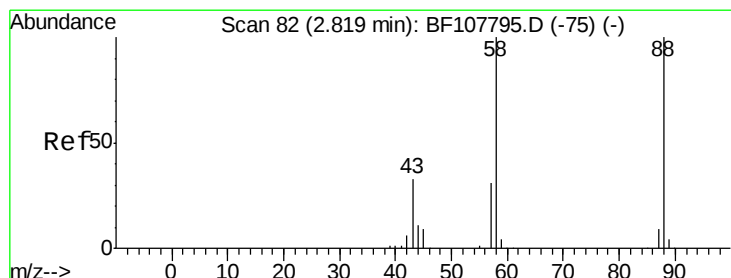
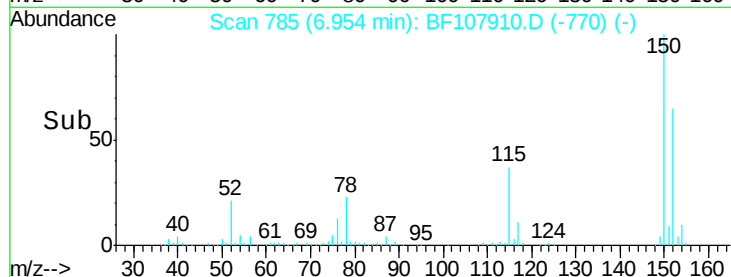
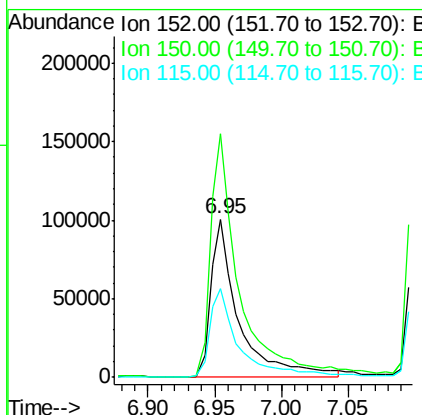
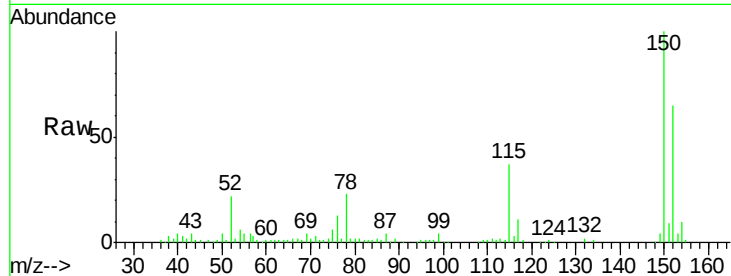




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

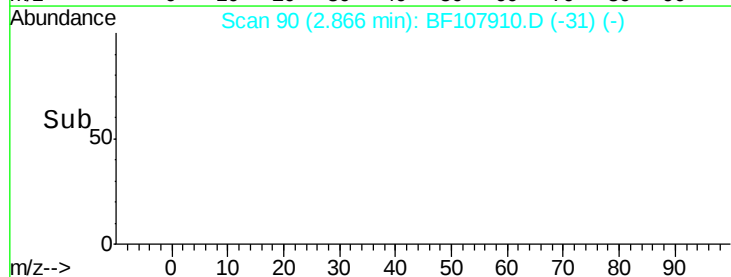
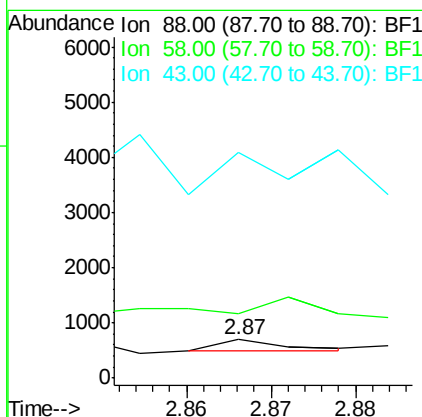
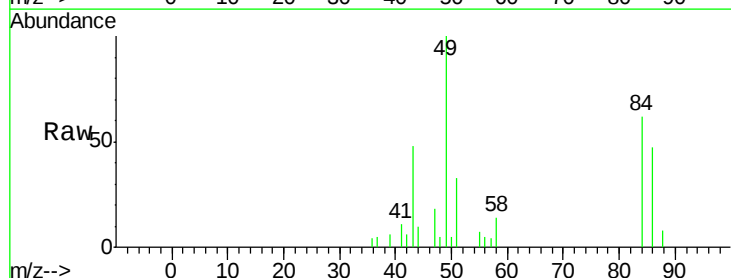
Instrument :
 BNA_F
 ClientSampleId :
 UST-W

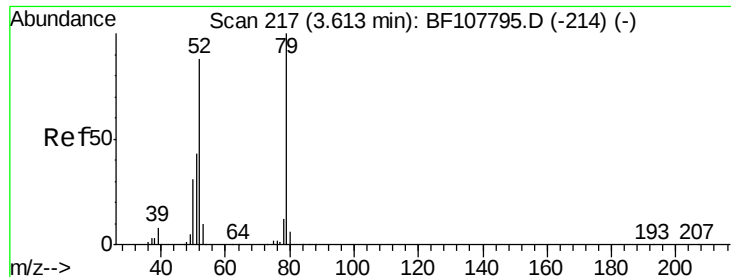
Tgt Ion: 152 Resp: 147868
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.6 186.8
 115 56.6 50.1 75.1



#2
 1,4-Dioxane
 Concen: 5.815 ng
 RT: 2.87 min Scan# 90
 Delta R.T. 0.05 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

Tgt Ion: 88 Resp: 99
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.6 93.8#
 43 0.0 24.6 37.0#

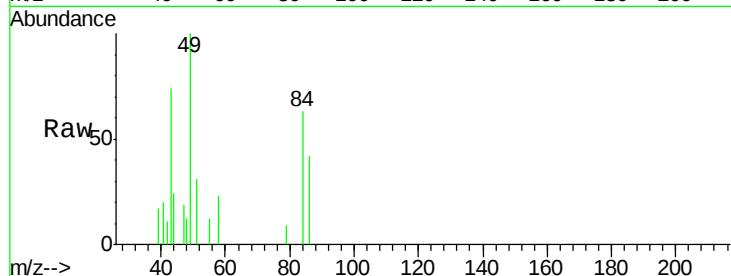




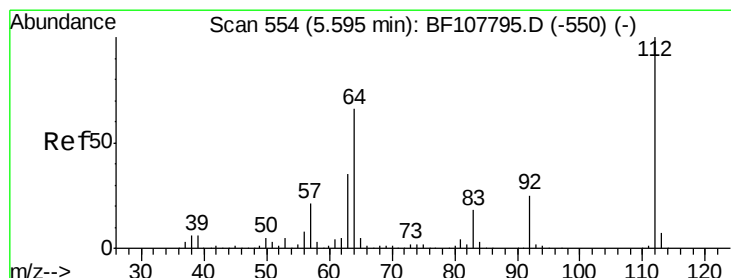
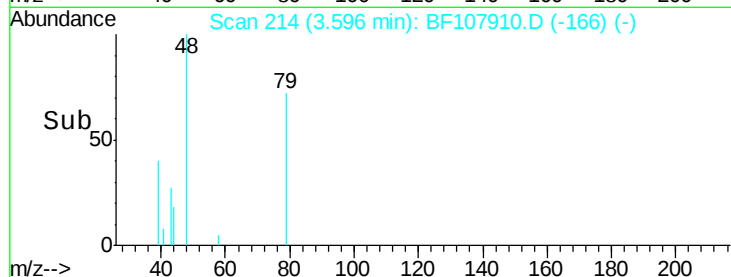
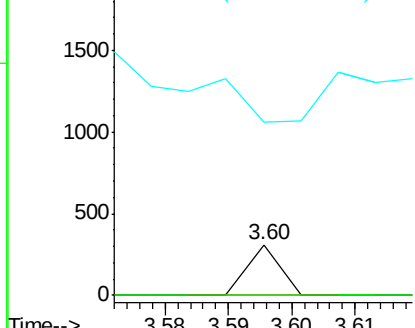
#3
Pyridine
Concen: 6.263 ng
RT: 3.60 min Scan# 214
Delta R.T. -0.02 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Instrument :
BNA_F
ClientSampleId :
UST-W

Tgt Ion: 79 Resp: 109
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 344.8 29.8 44.8#

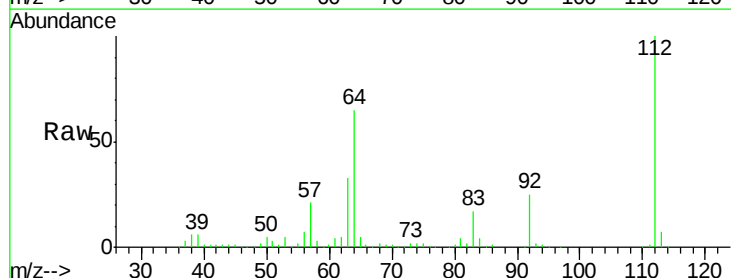


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

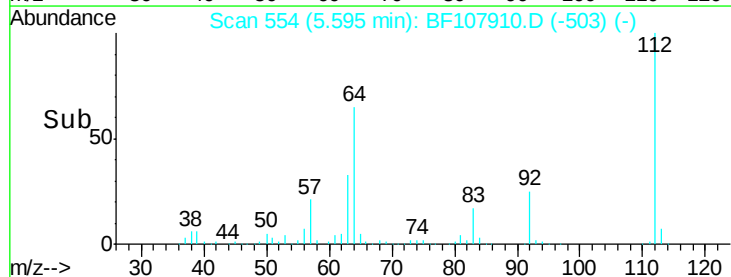
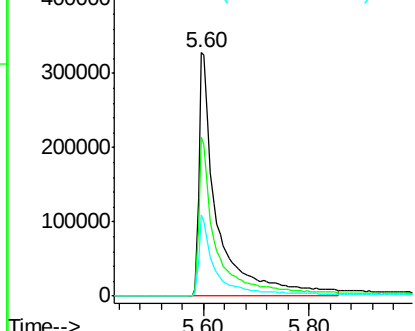


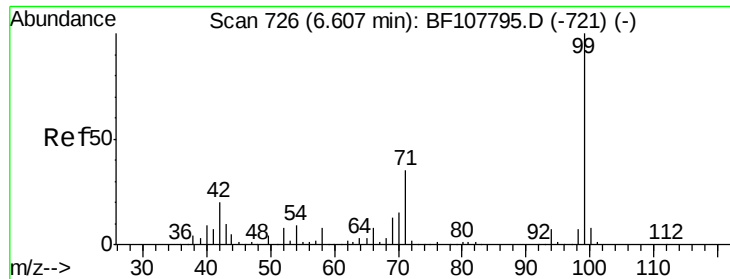
#5
2-Fluorophenol
Concen: 93.075 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Tgt Ion: 112 Resp: 809792
Ion Ratio Lower Upper
112 100
64 65.4 47.9 71.9
63 33.3 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: 92.090 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampleId :

UST-W

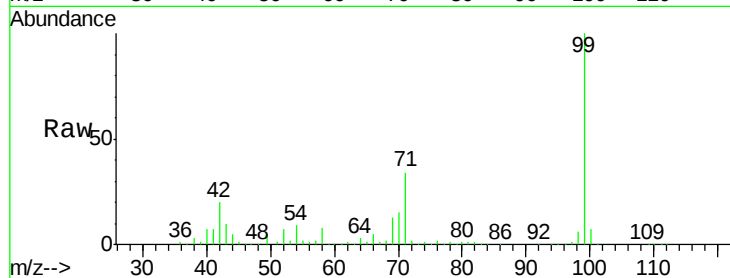
Tgt Ion: 99 Resp: 1055964

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

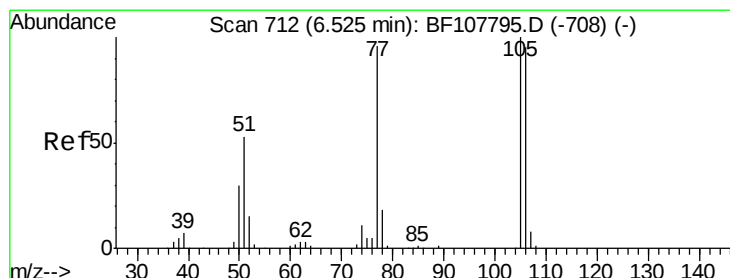
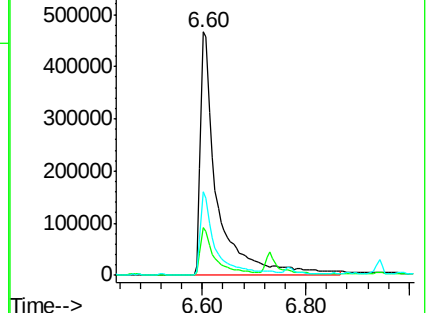
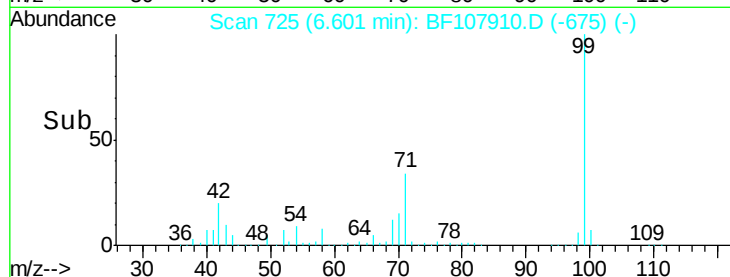
71 34.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.769 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

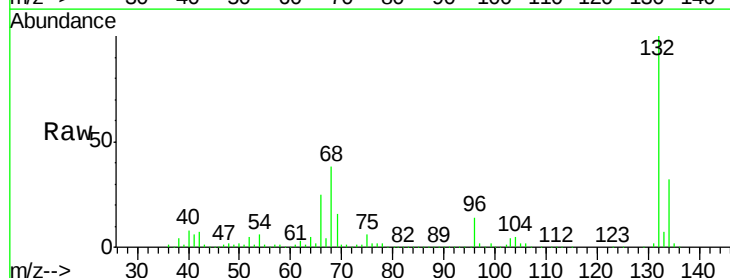
Tgt Ion: 77 Resp: 19156

Ion Ratio Lower Upper

77 100

105 91.6 81.1 121.1

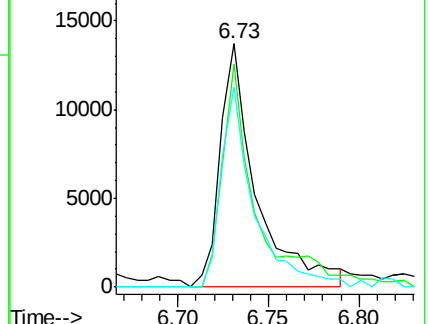
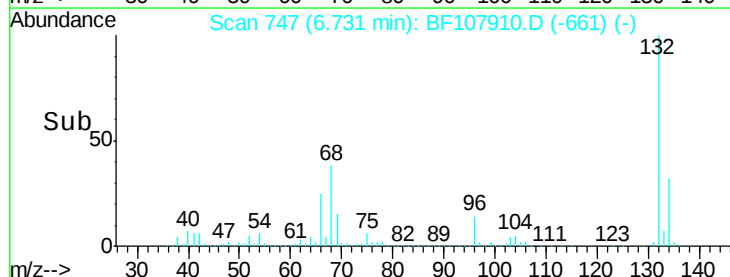
106 82.3 74.5 114.5

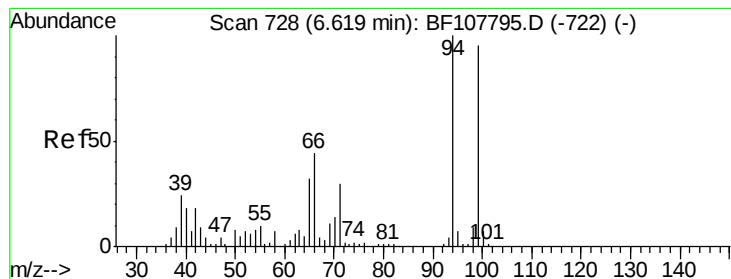


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.937 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampleId :

UST-W

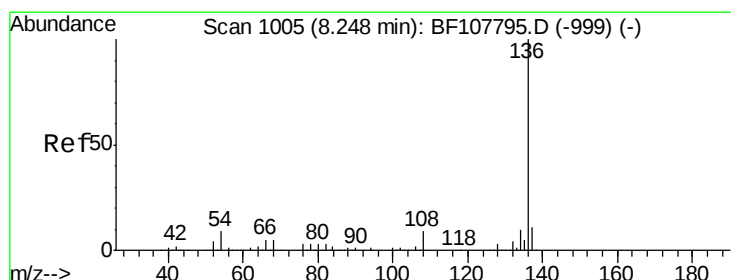
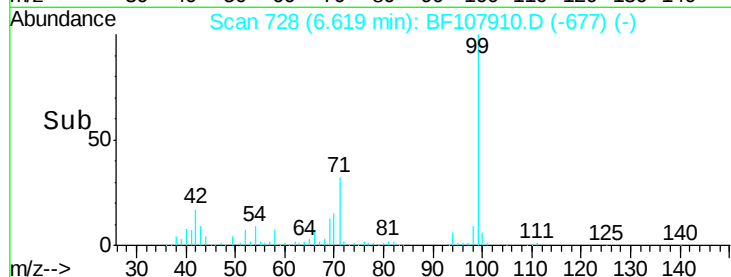
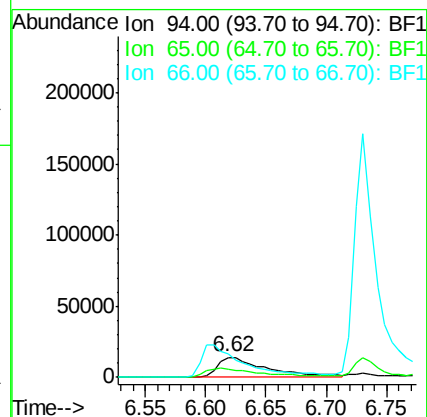
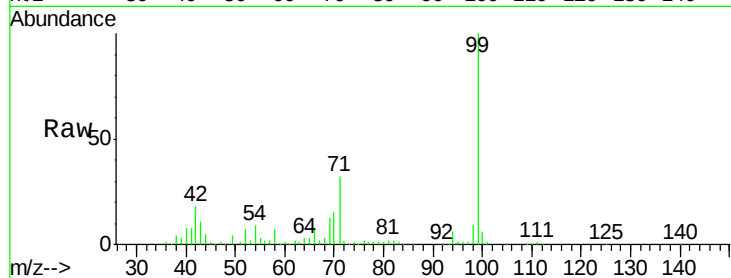
Tgt Ion: 94 Resp: 40157

Ion Ratio Lower Upper

94 100

65 41.3 7.9 47.9

66 119.1 16.2 56.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Tgt Ion: 136 Resp: 565026

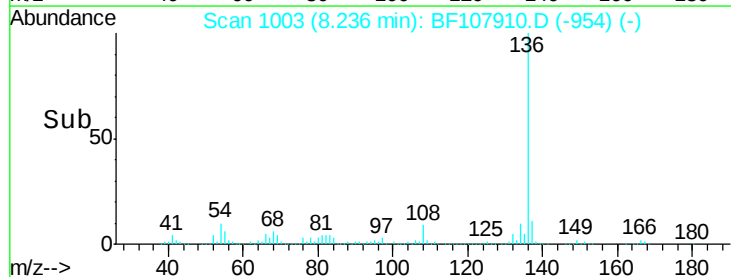
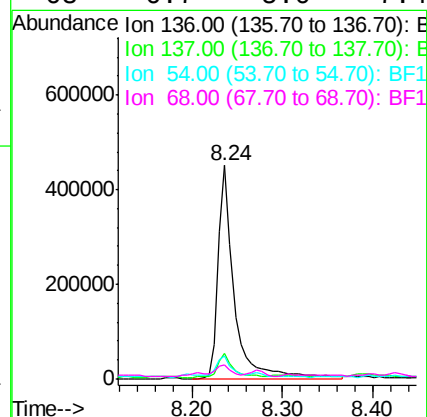
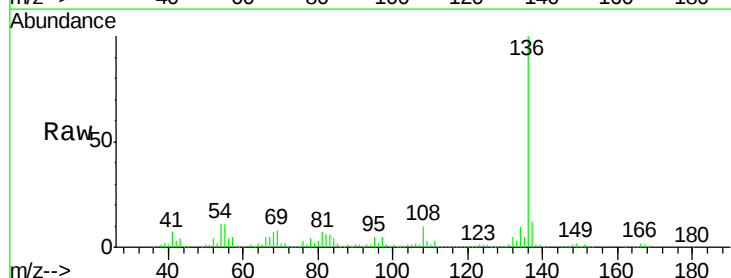
Ion Ratio Lower Upper

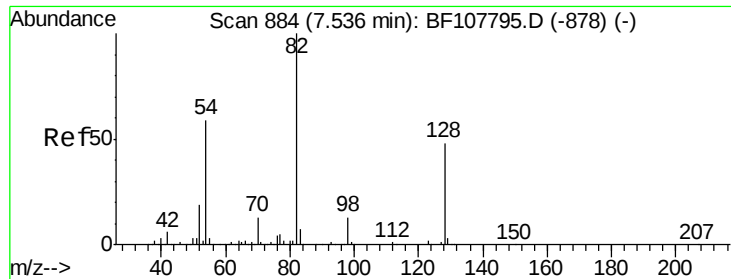
136 100

137 11.7 8.9 13.3

54 10.5 6.6 9.8#

68 6.7 5.0 7.4

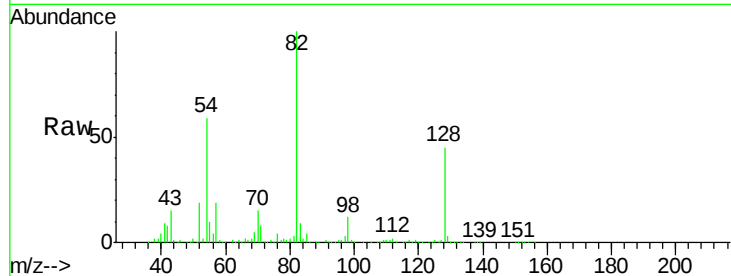




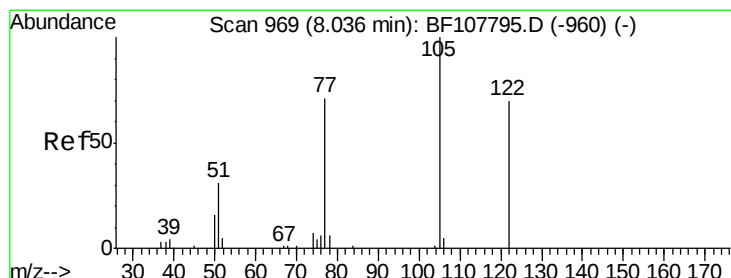
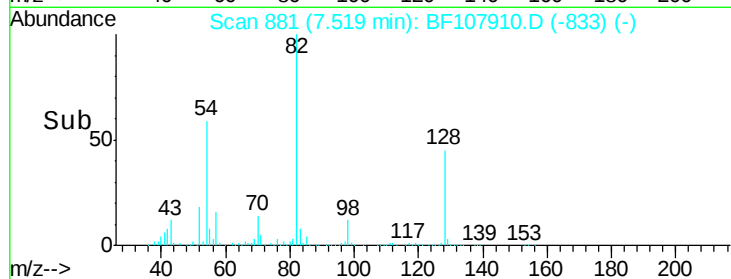
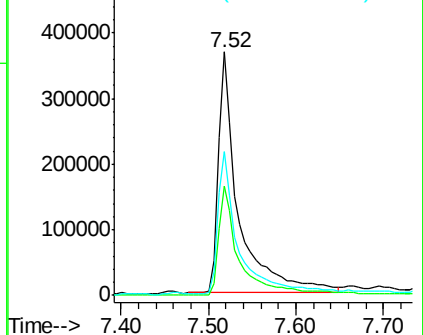
#23
 Nitrobenzene-d5
 Concen: 60.279 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

Instrument :
 BNA_F
 ClientSampled :
 UST-W

Tgt Ion: 82 Resp: 591198
 Ion Ratio Lower Upper
 82 100
 128 44.8 36.1 54.1
 54 58.8 41.4 62.2

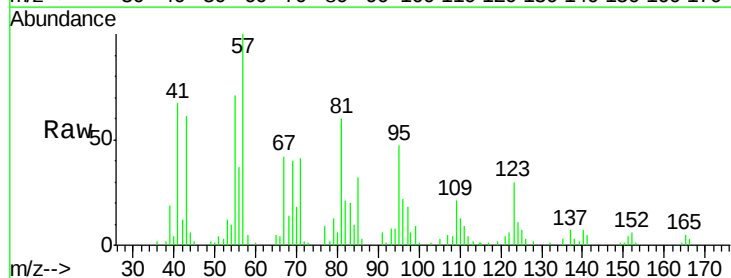


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

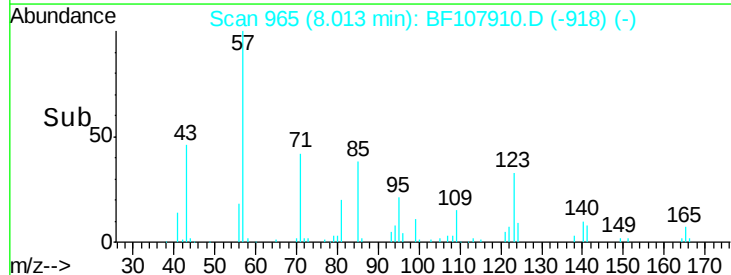
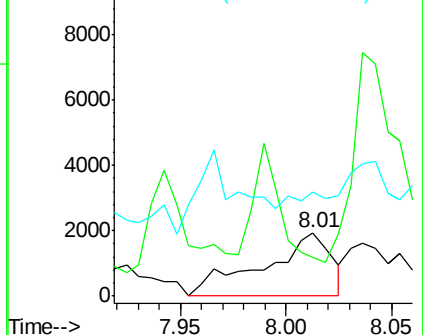


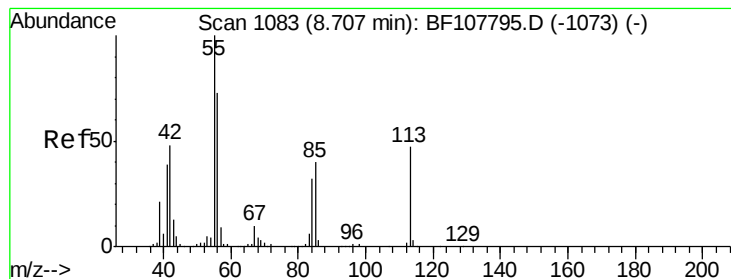
#32
 Benzoic acid
 Concen: 2.419 ng
 RT: 8.01 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

Tgt Ion: 122 Resp: 4362
 Ion Ratio Lower Upper
 122 100
 105 60.7 101.1 141.1#
 77 162.8 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
 Ion 105.00 (104.70 to 105.70): BF1
 Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 21.353 ng

RT: 8.64 min Scan# 1071

Delta R.T. -0.07 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampled :

UST-W

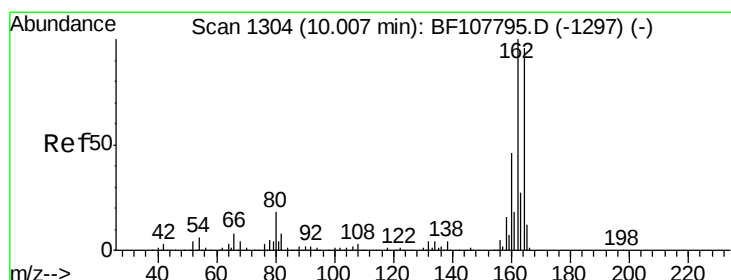
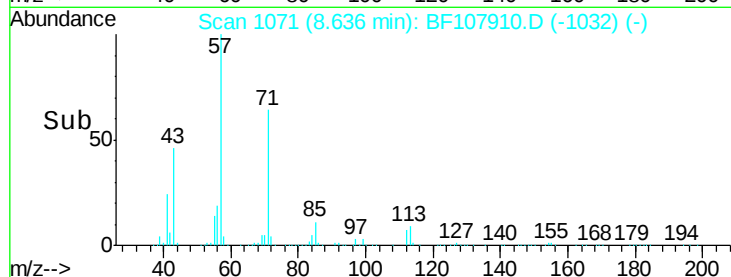
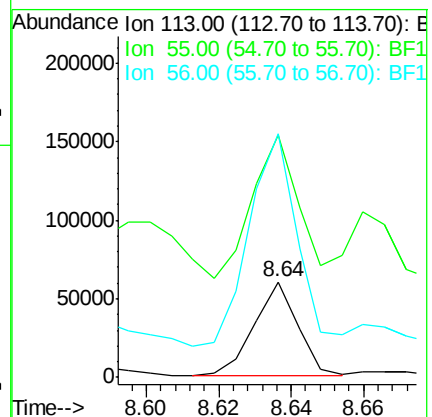
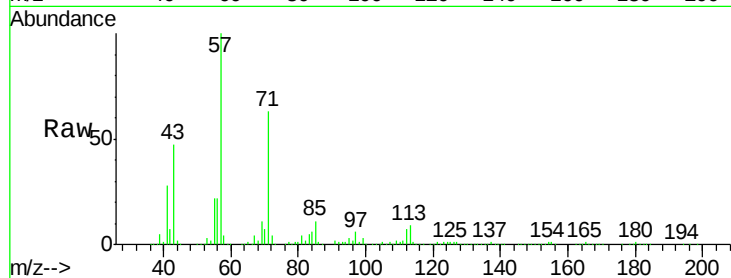
Tgt Ion:113 Resp: 50243

Ion Ratio Lower Upper

113 100

55 254.1 163.3 203.3#

56 255.6 115.7 155.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

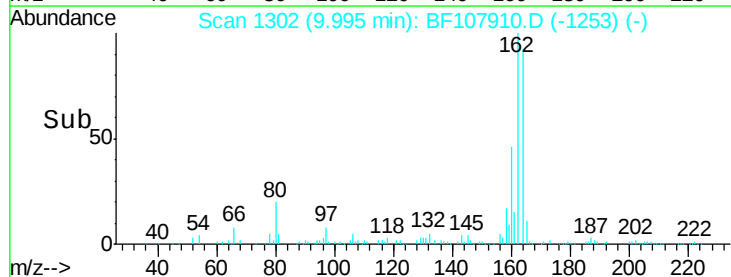
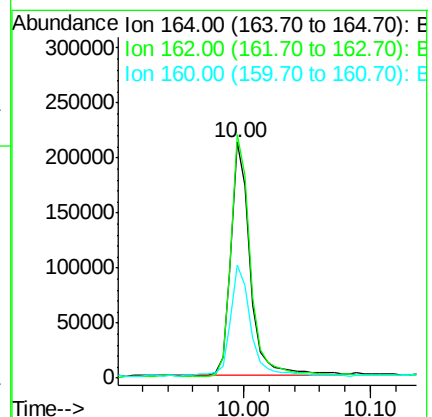
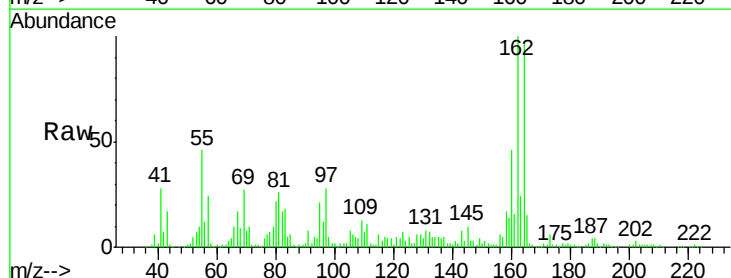
Tgt Ion:164 Resp: 224404

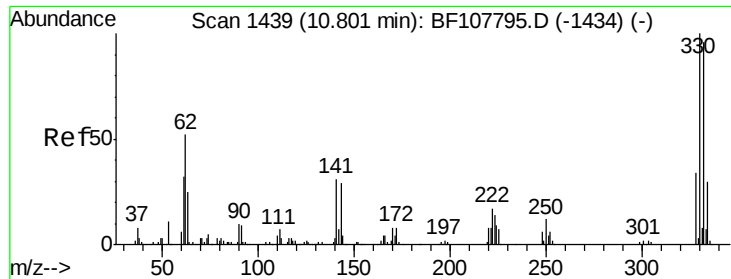
Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

160 47.8 38.3 57.5

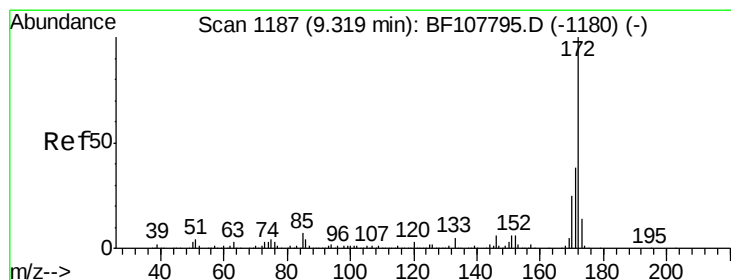
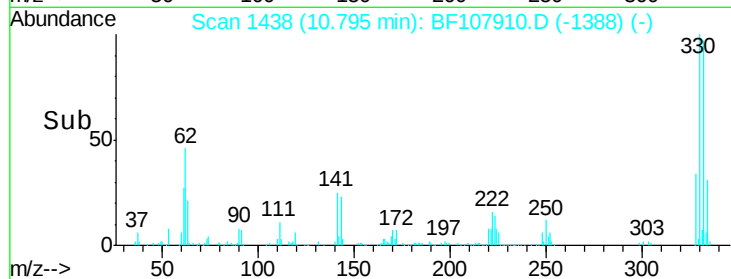
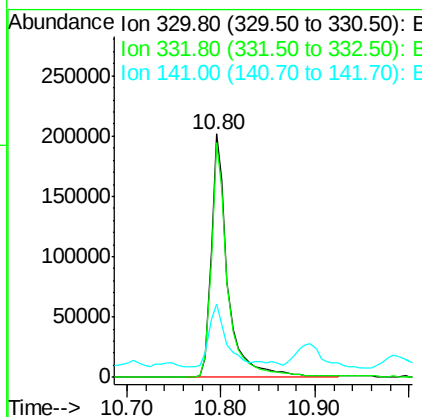
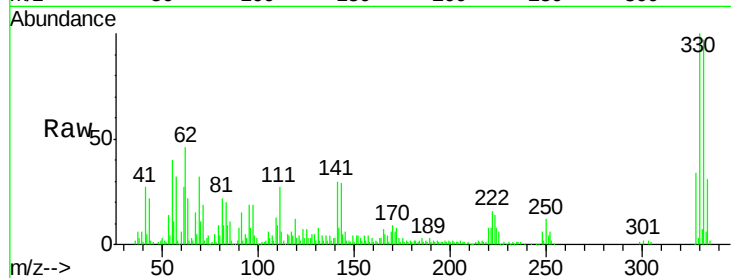




#41
 2,4,6-Tribromophenol
 Concen: 82.618 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

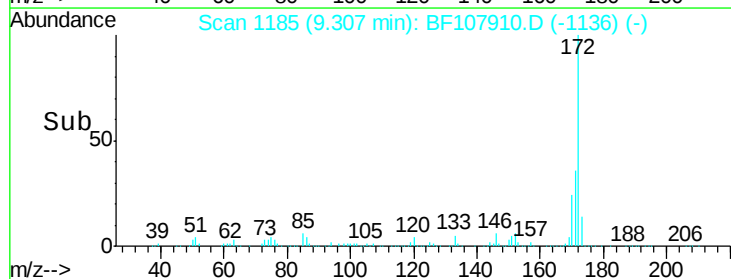
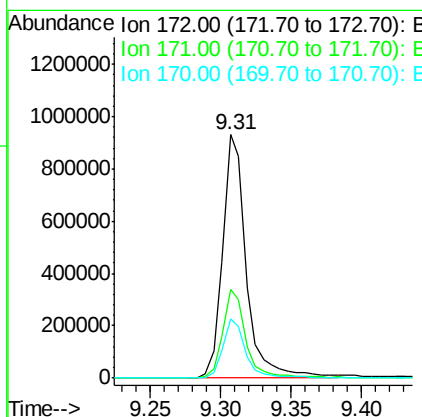
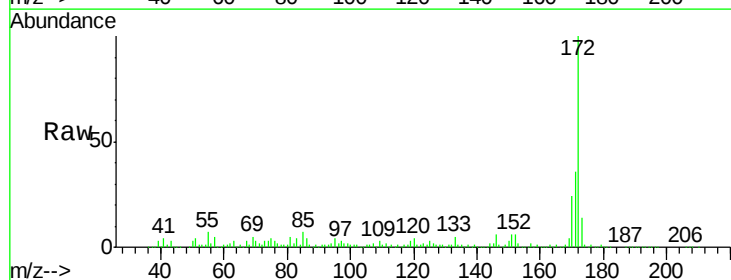
Instrument :
 BNA_F
 ClientSampled :
 UST-W

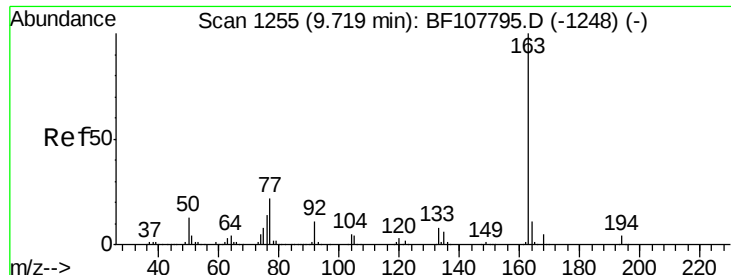
Tgt Ion:330 Resp: 251920
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 26.4 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 67.269 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107910.D
 Acq: 2 Aug 2018 15:40

Tgt Ion:172 Resp: 1083279
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.1 19.6 29.4

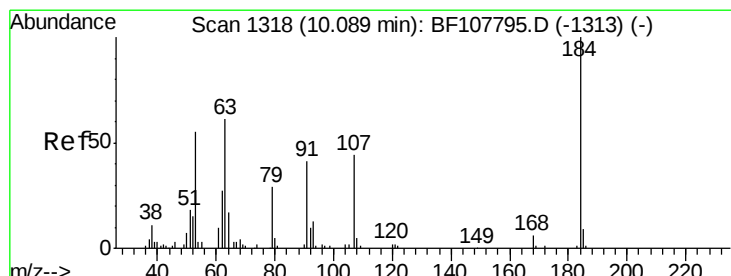
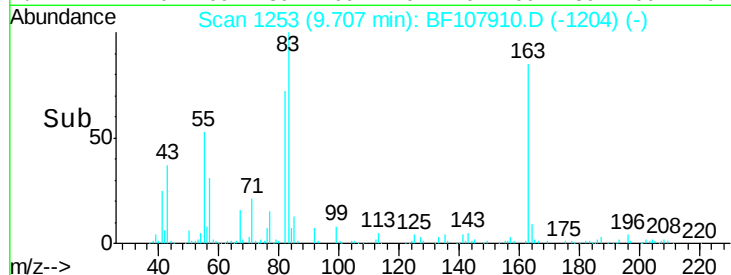
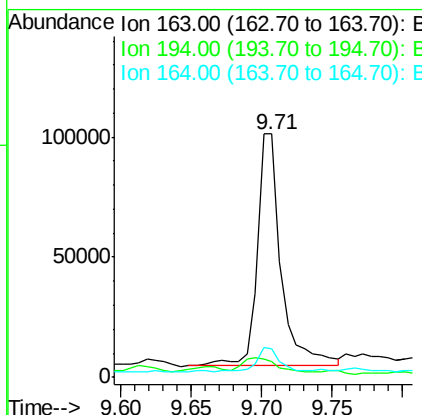
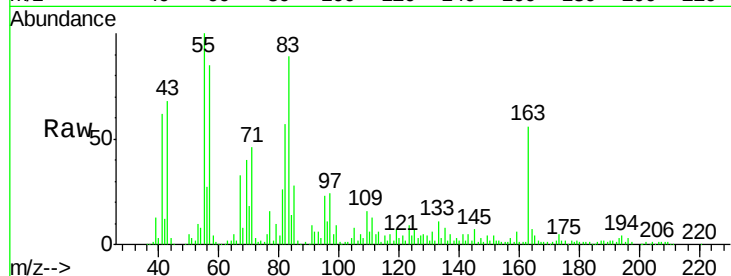




#49
Dimethylphthalate
Concen: 6.802 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

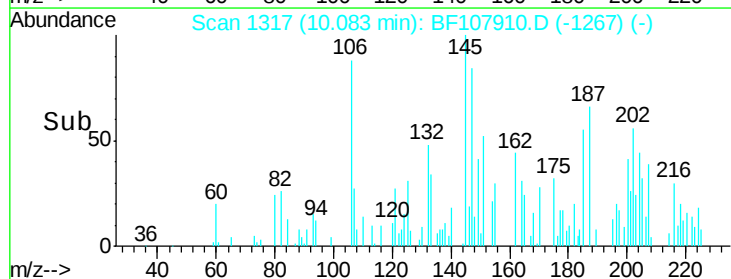
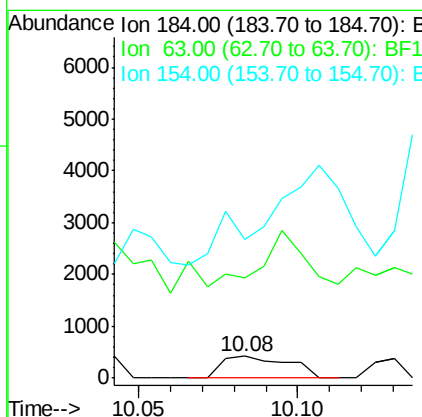
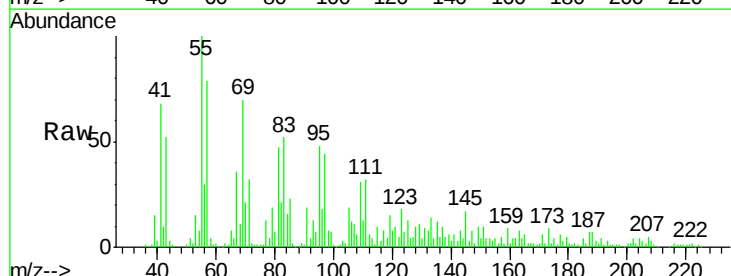
Instrument :
BNA_F
ClientSampleId :
UST-W

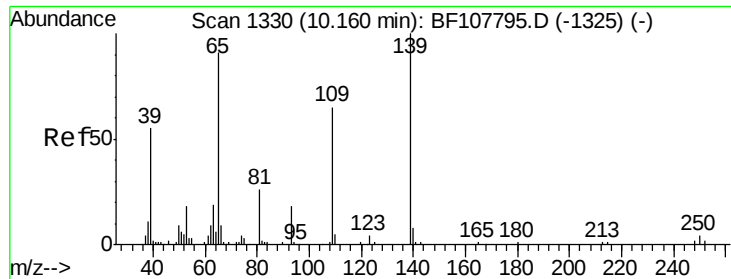
Tgt Ion:163 Resp: 114630
Ion Ratio Lower Upper
163 100
194 6.3 2.7 4.1#
164 11.6 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 8.728 ng
RT: 10.08 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Tgt Ion:184 Resp: 620
Ion Ratio Lower Upper
184 100
63 458.7 54.2 81.2#
154 632.1 184.0 276.0#

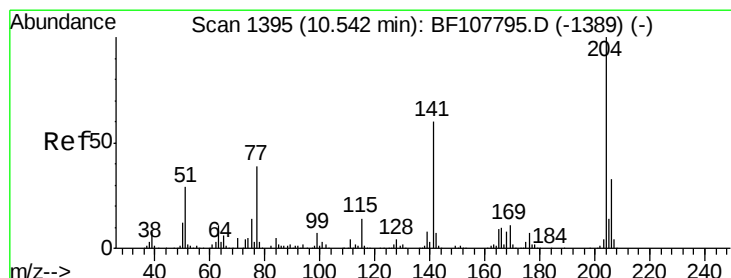
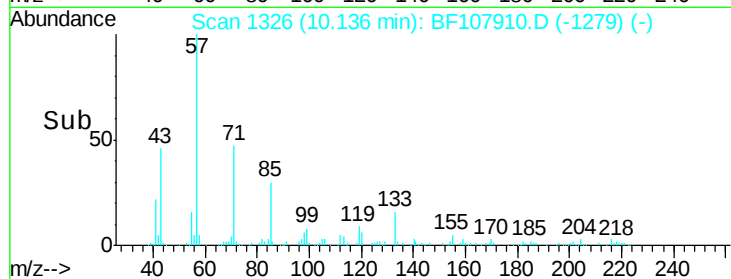
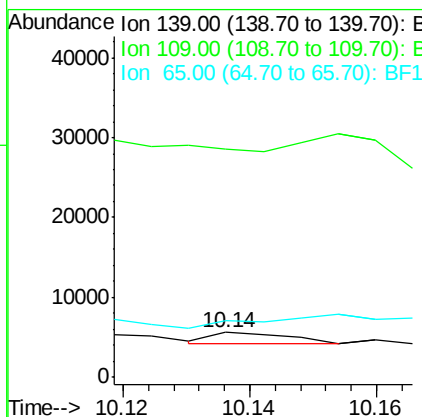
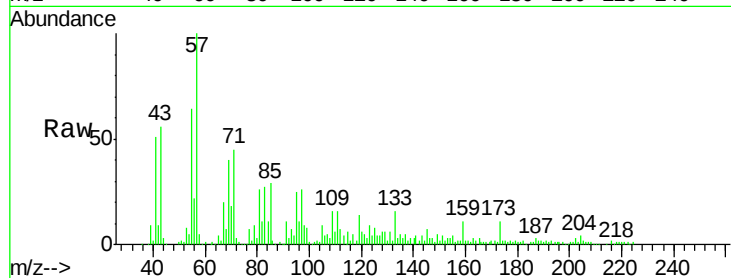




#55
4-Nitrophenol
Concen: 9.807 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

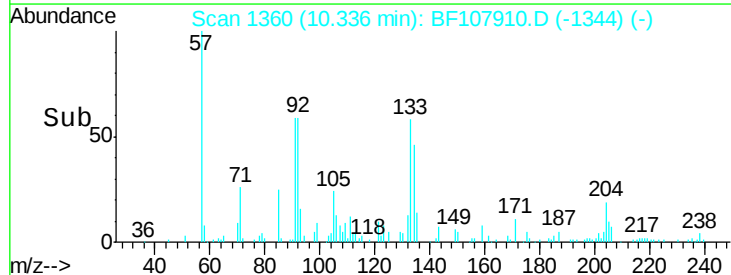
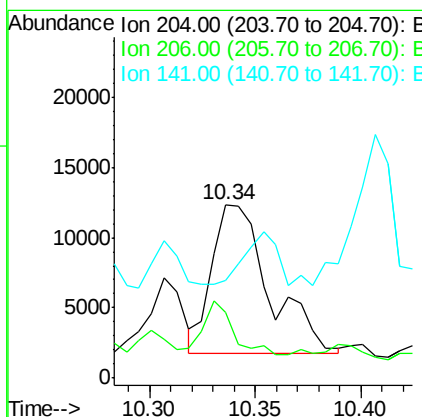
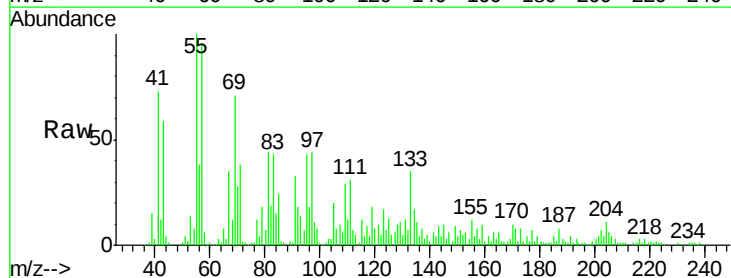
Instrument :
BNA_F
ClientSampleId :
UST-W

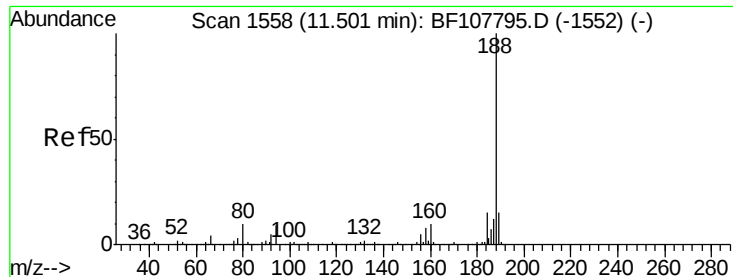
Tgt Ion:139 Resp: 1216
Ion Ratio Lower Upper
139 100
109 507.6 48.4 88.4#
65 126.7 72.6 112.6#



#60
4-Chlorophenyl-phenylether
Concen: 2.222 ng
RT: 10.34 min Scan# 1360
Delta R.T. -0.21 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Tgt Ion:204 Resp: 20165
Ion Ratio Lower Upper
204 100
206 38.1 26.5 39.7
141 56.1 54.6 81.8

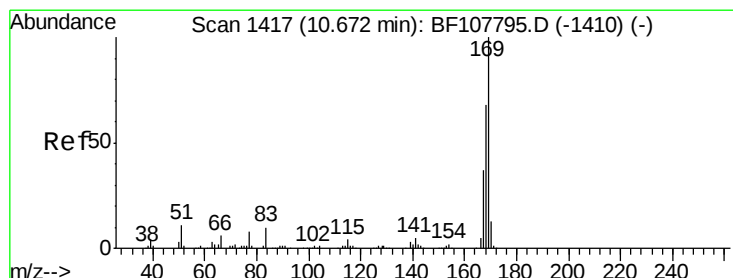
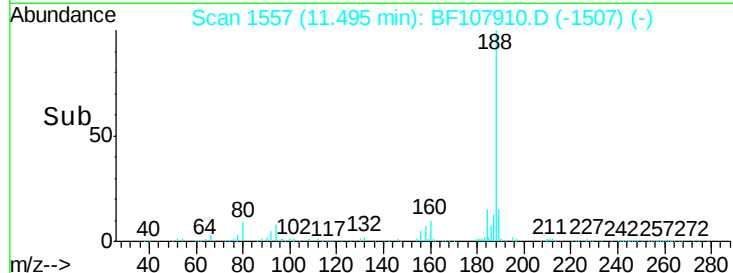
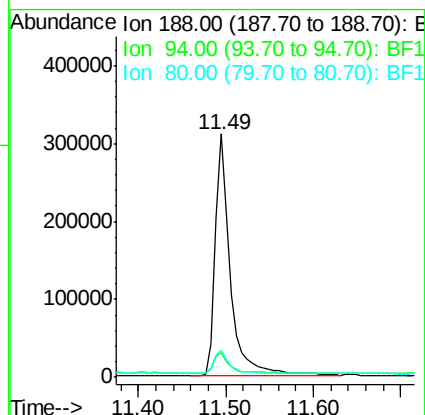
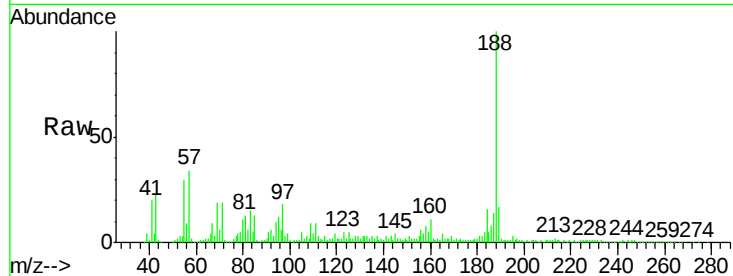




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

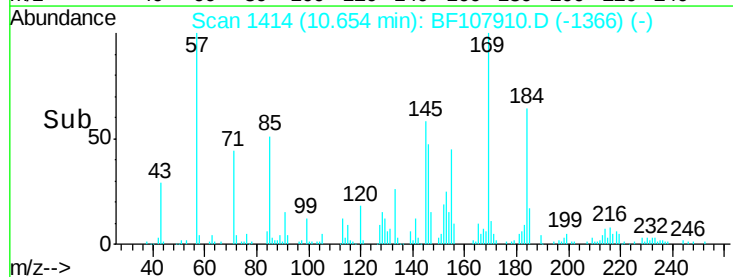
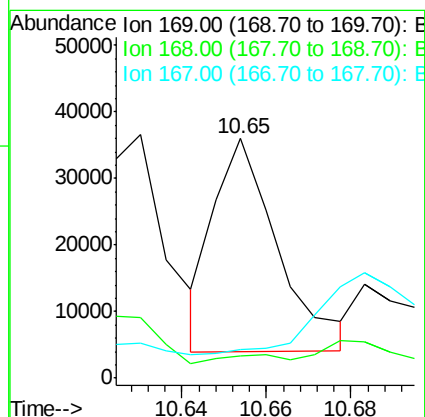
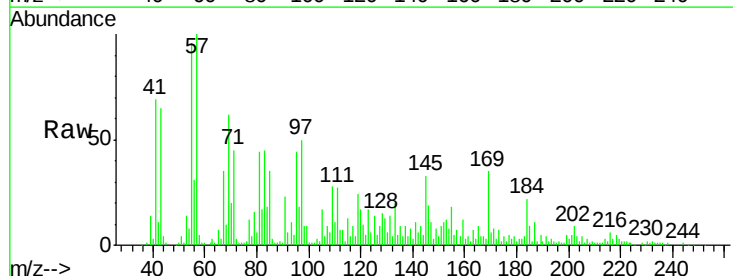
Instrument :
BNA_F
ClientSampleId :
UST-W

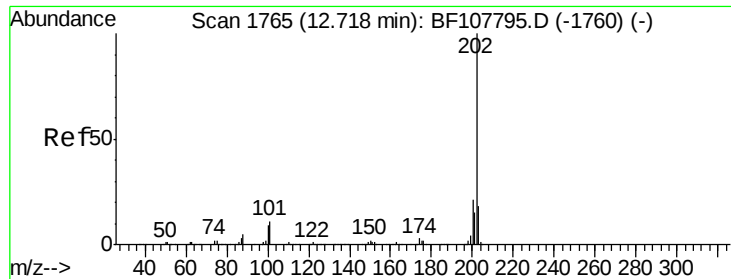
Tgt Ion:188 Resp: 379612
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.0 9.2 13.8



#65
n-Nitrosodiphenylamine
Concen: 2.685 ng
RT: 10.65 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Tgt Ion:169 Resp: 33558
Ion Ratio Lower Upper
169 100
168 9.2 54.4 81.6#
167 12.1 29.8 44.6#





#74

Fluoranthene

Concen: 2.682 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampleId :

UST-W

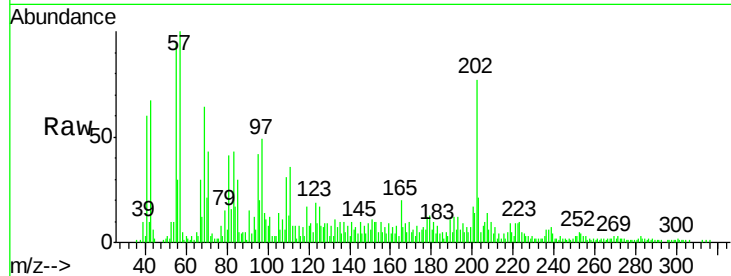
Tgt Ion:202 Resp: 56790

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

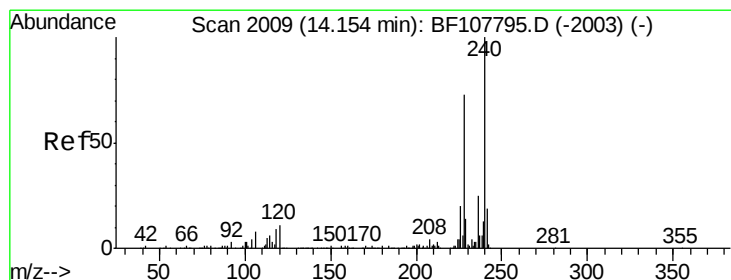
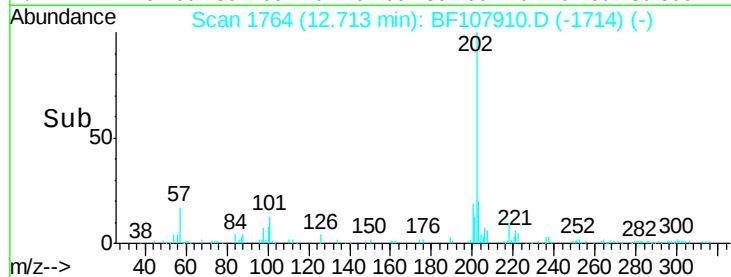
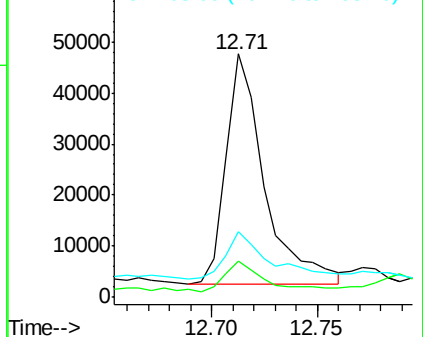
203 27.1 0.0 38.1



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# 2008

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

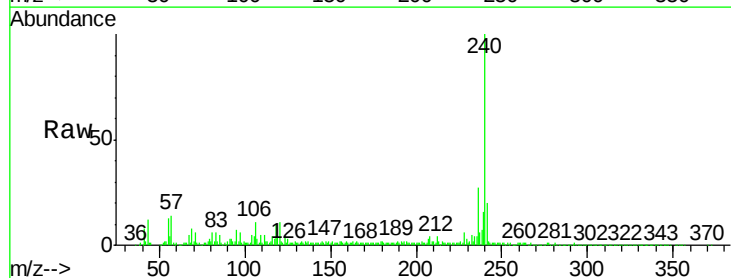
Tgt Ion:240 Resp: 354994

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

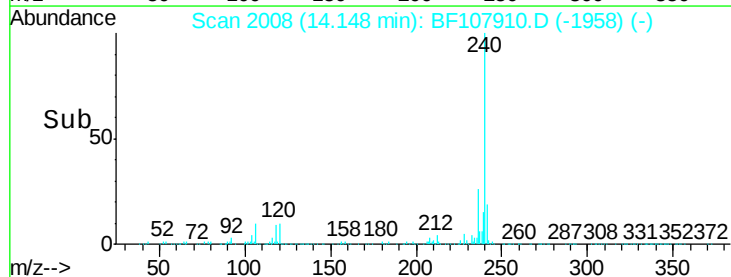
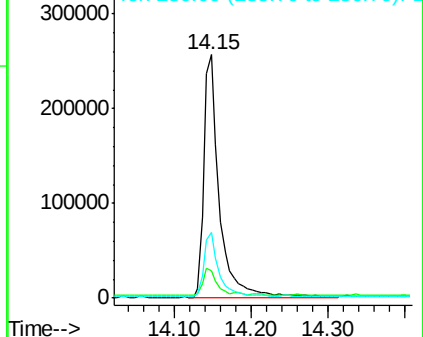
236 27.0 20.7 31.1

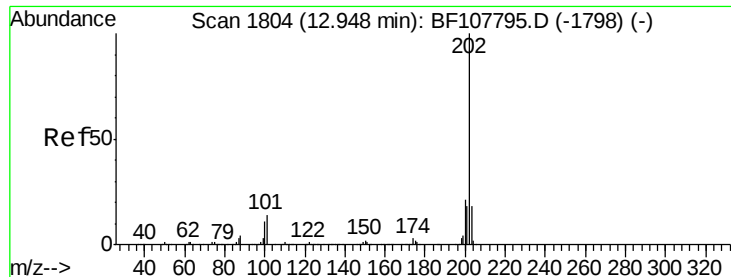


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.276 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampleId :

UST-W

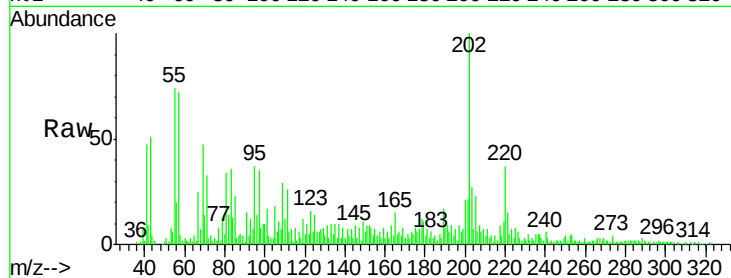
Tgt Ion:202 Resp: 83735

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

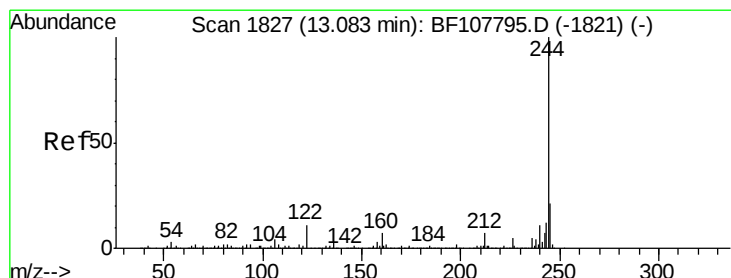
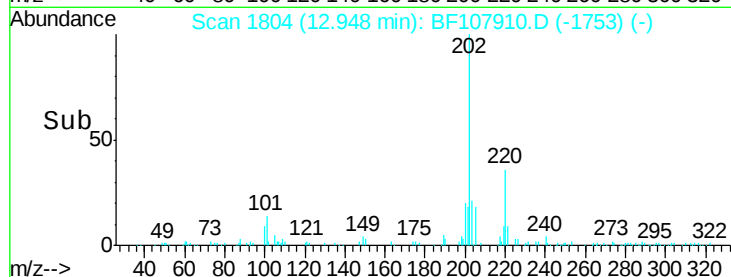
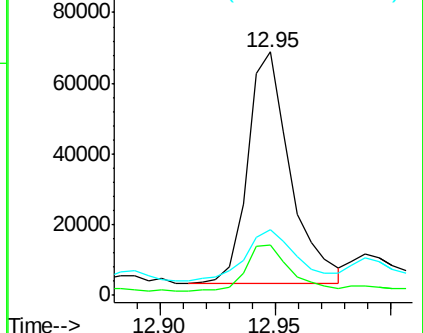
203 26.8 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 58.190 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

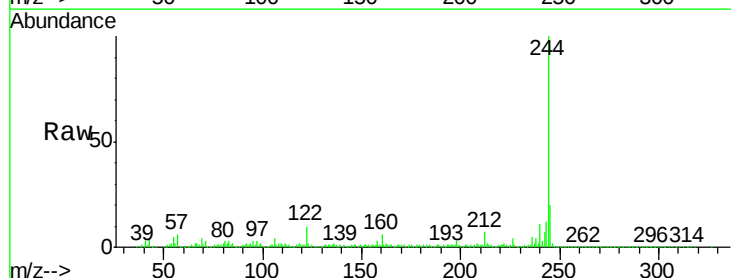
Tgt Ion:244 Resp: 952621

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

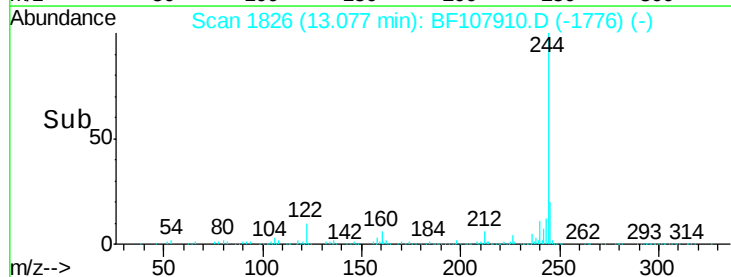
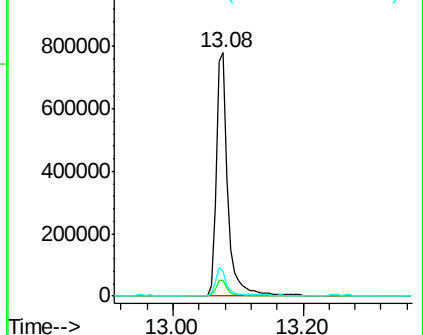
122 10.0 11.0 16.4#

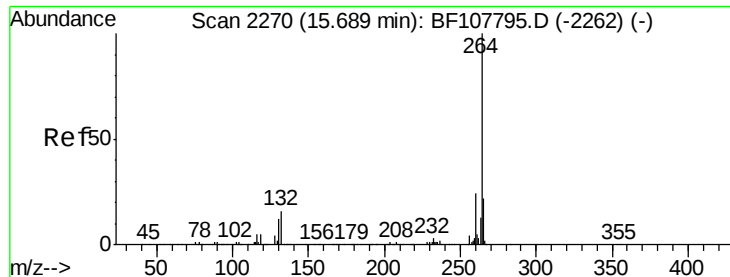


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



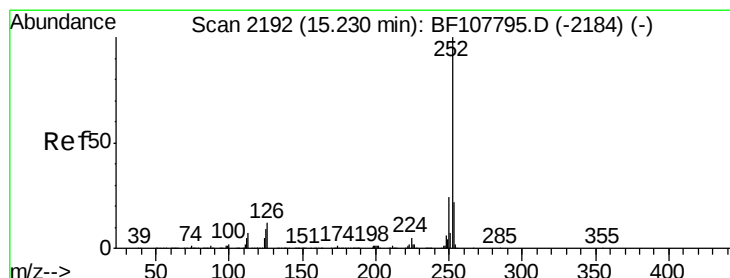
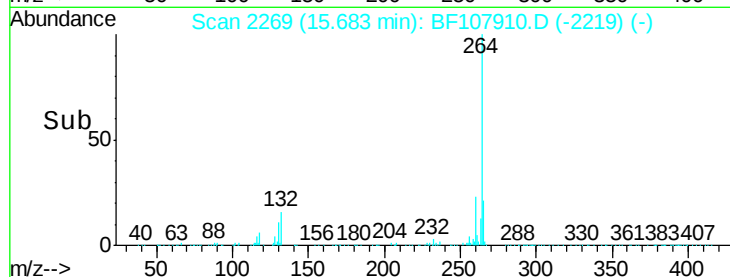
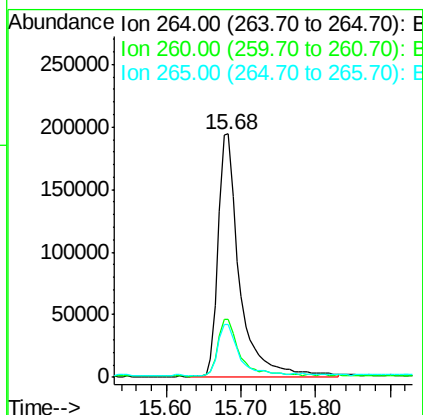
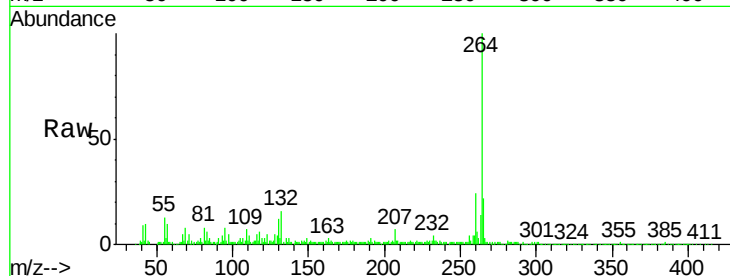


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Instrument :
BNA_F
ClientSampleId :
UST-W

Tgt Ion: 264 Resp: 385454

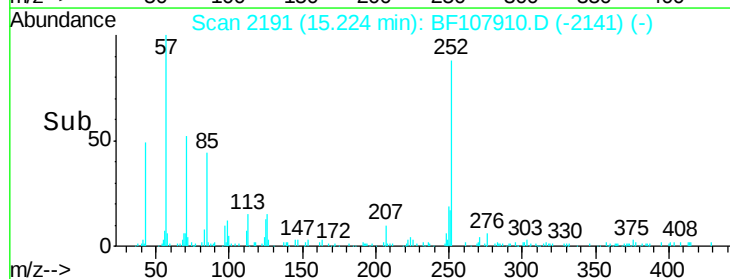
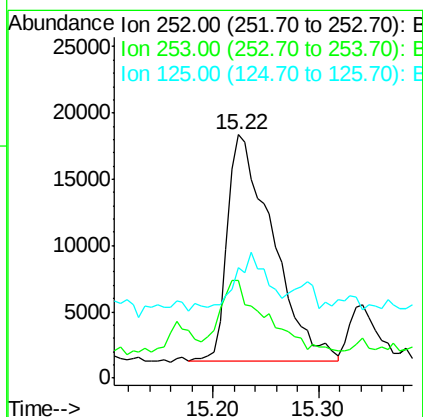
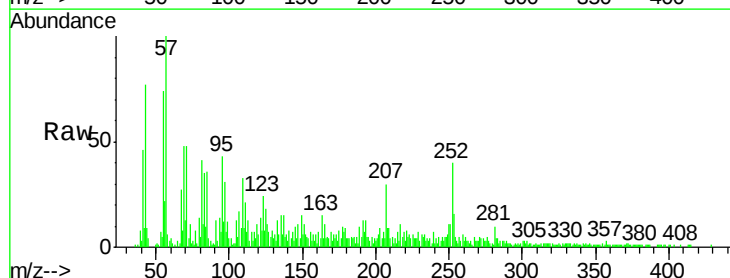
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3

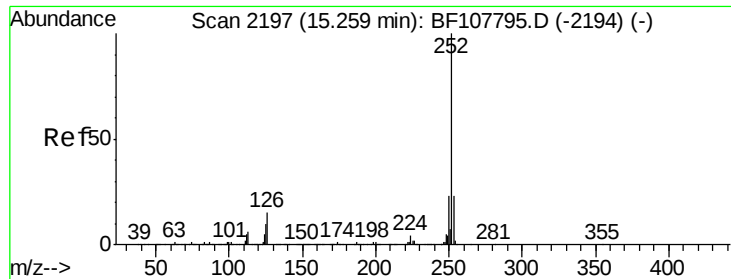


#87
Benzo(b)fluoranthene
Concen: 2.656 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107910.D
Acq: 2 Aug 2018 15:40

Tgt Ion: 252 Resp: 50494

Ion	Ratio	Lower	Upper
252	100		
253	40.0	17.0	25.6#
125	45.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.163 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107910.D

Acq: 2 Aug 2018 15:40

Instrument :

BNA_F

ClientSampleId :

UST-W

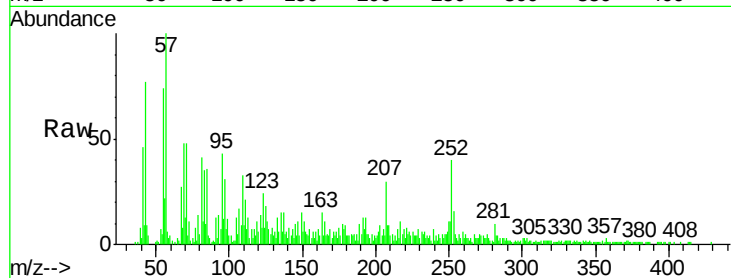
Tgt Ion:252 Resp: 50494

Ion Ratio Lower Upper

252 100

253 40.0 17.9 26.9#

125 45.2 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

