

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107896.D
 Acq On : 1 Aug 2018 18:28
 Operator : JU/SJ
 Sample : J4256-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 00:58:50 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	6.97	152	114066	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	427160	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	203031	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	414474	20.00	ng	0.00
75) Chrysene-d12	14.15	240	381843	20.00	ng	0.00
86) Perylene-d12	15.69	264	381980	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	423009	63.03	ng	0.00
7) Phenol-d6	6.60	99	348758	39.43	ng	0.00
23) Nitrobenzene-d5	7.53	82	570422	76.93	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	347089	125.81	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1294528	88.85	ng	0.00
78) Terphenyl-d14	13.08	244	1364631	77.50	ng	0.00

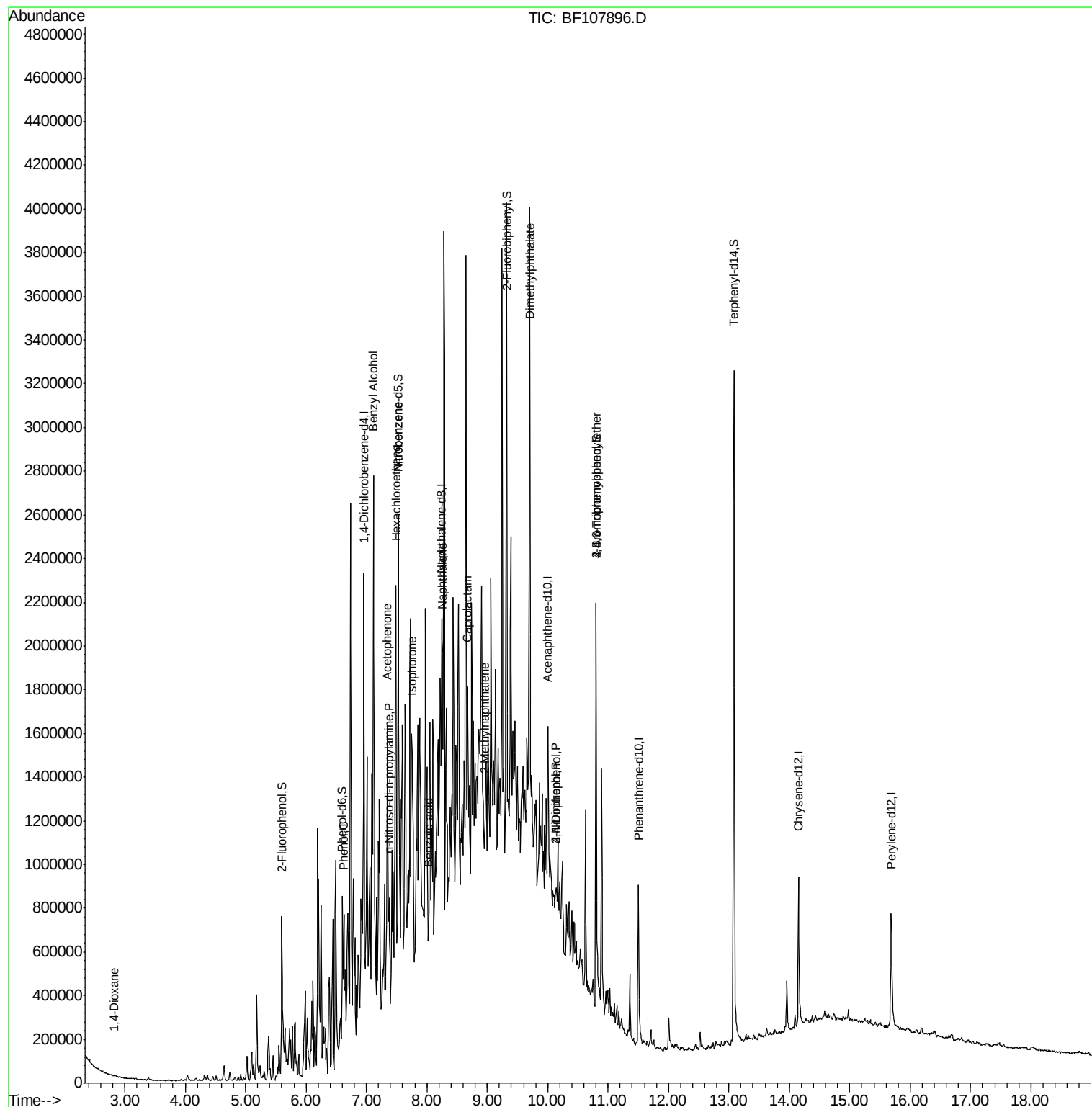
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.82	88	563	5.951	ng	# 79
10) Phenol	6.62	94	24535	2.326	ng	# 23
15) Benzyl Alcohol	7.12	79	16523	3.005	ng	# 47
18) Hexachloroethane	7.49	117	75459	21.328	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	27695	4.936	ng	# 67
22) Acetophenone	7.35	105	248284	24.159	ng	# 61
24) Nitrobenzene	7.52	77	16259	2.091	ng	# 27
25) Isophorone	7.76	82	50936	4.185	ng	# 1
31) Naphthalene	8.27	128	46139	2.324	ng	# 55
32) Benzoic acid	8.02	122	4792	2.828	ng	# 52
35) Caprolactam	8.68	113	7854	4.415	ng	# 1
37) 2-Methylnaphthalene	8.96	142	72983	5.851	ng	# 91
49) Dimethylphthalate	9.71	163	220436	14.457	ng	# 98
53) 2,4-Dinitrophenol	10.13	184	678	8.788	ng	# 1
55) 4-Nitrophenol	10.13	139	14179	15.688	ng	# 35
66) 4-Bromophenyl-phenylether	10.80	248	20308	4.204	ng	# 1

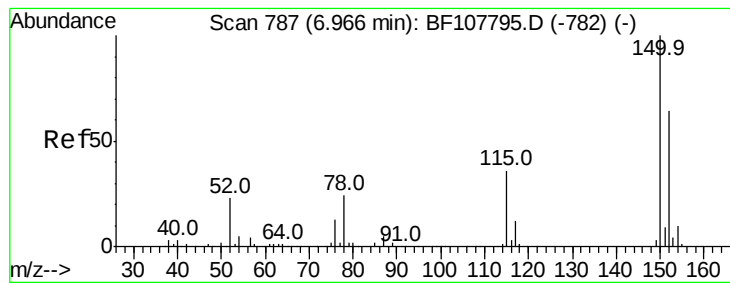
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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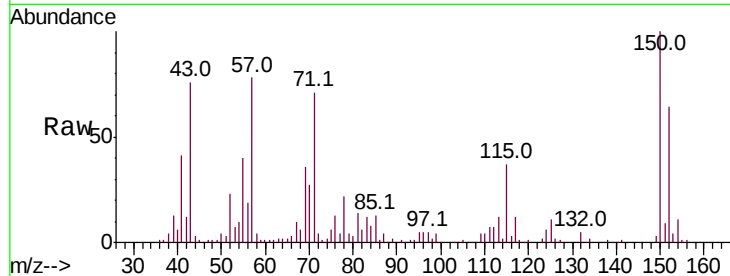


#1

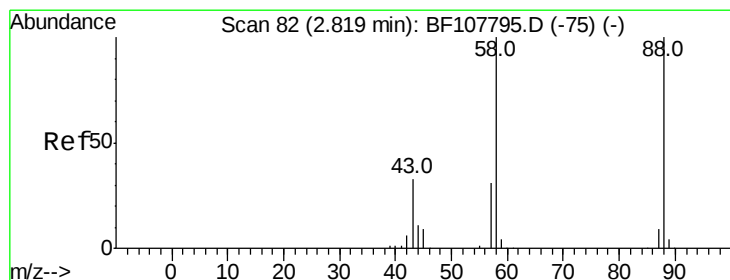
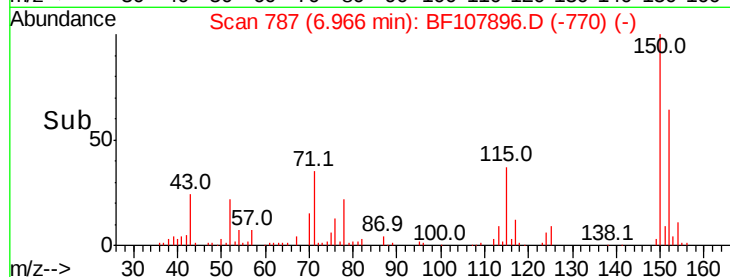
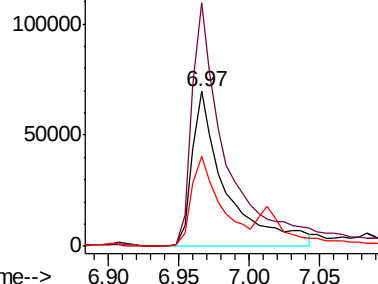
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114066
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 58.4 50.1 75.1



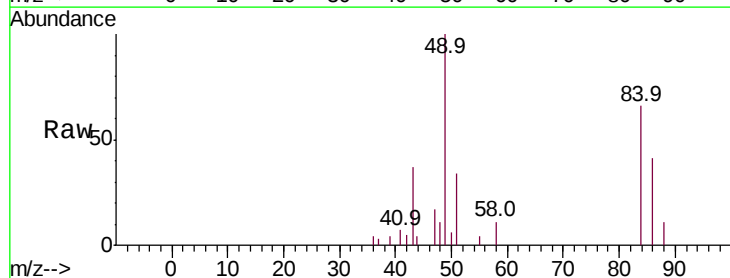
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



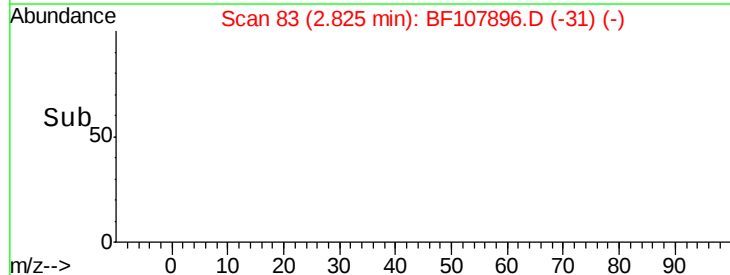
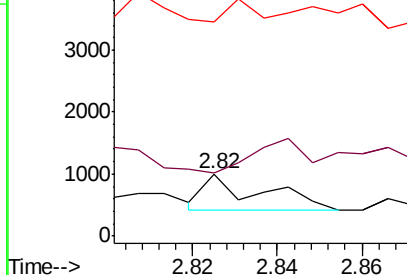
#2

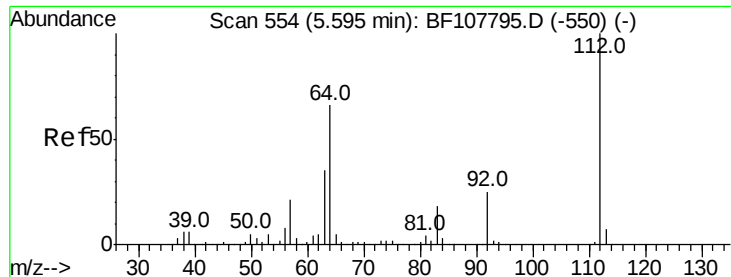
1,4-Dioxane
Concen: 5.951 ng
RT: 2.82 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion: 88 Resp: 563
Ion Ratio Lower Upper
88 100
58 83.8 62.6 93.8
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
5000 Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

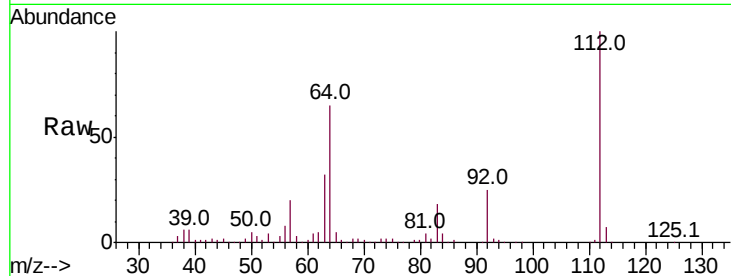




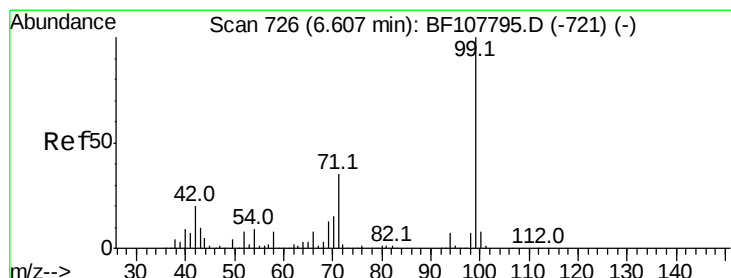
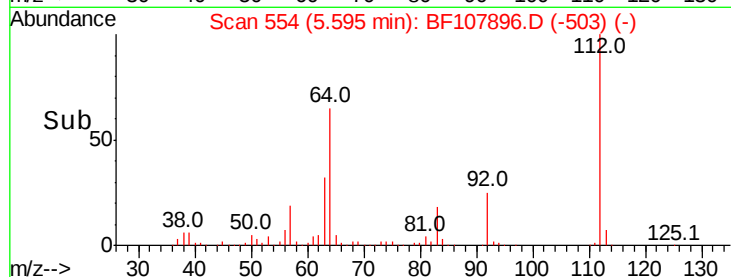
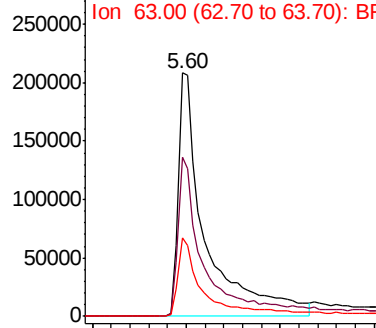
#5
2-Fluorophenol
Concen: 63.027 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:112 Resp: 423009
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 32.5 23.7 35.5

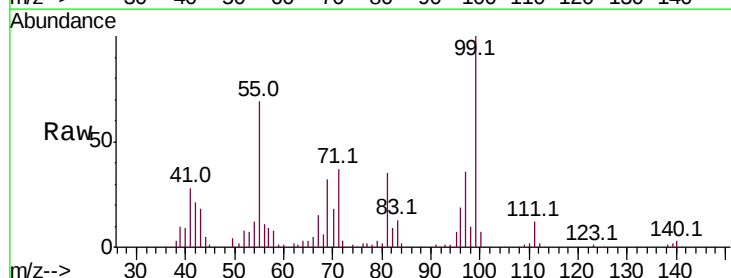


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

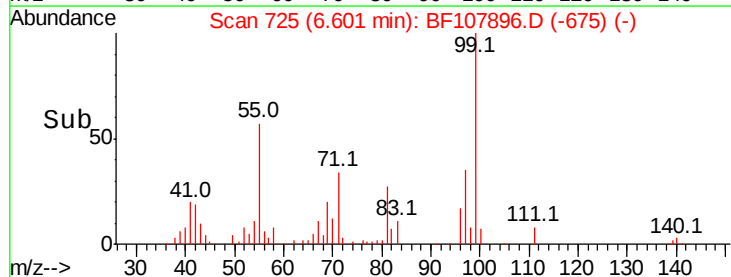
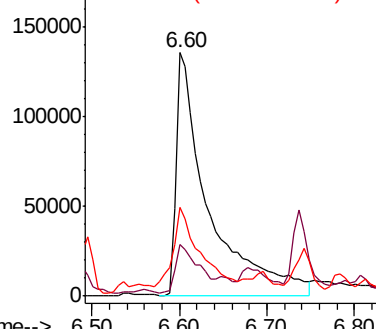


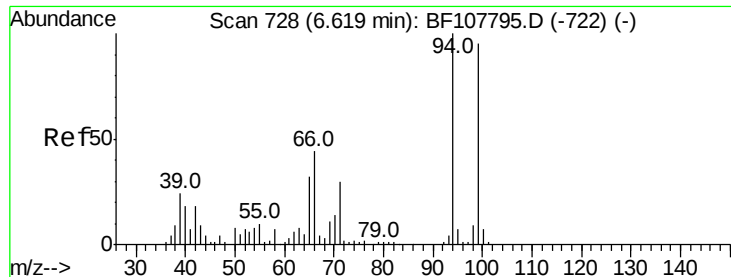
#7
Phenol-d6
Concen: 39.428 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion: 99 Resp: 348758
Ion Ratio Lower Upper
99 100
42 21.2 14.5 21.7
71 36.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

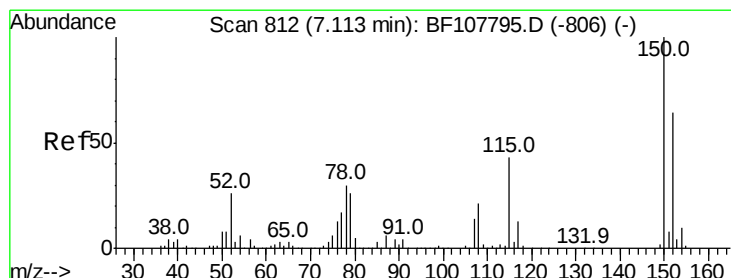
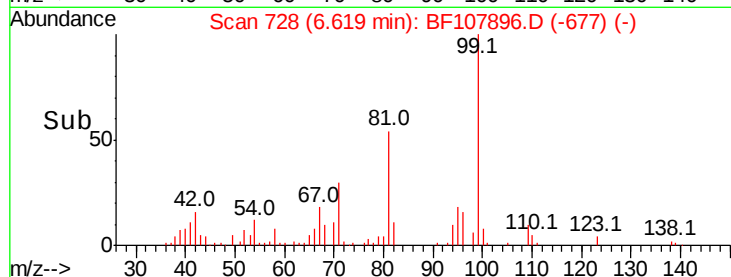
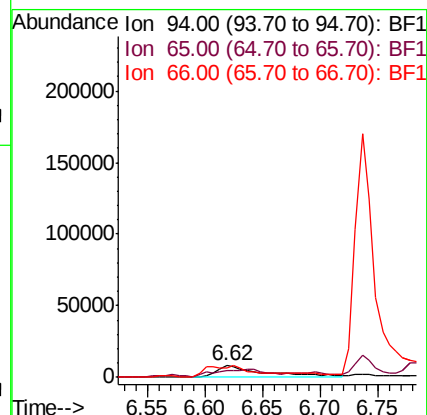
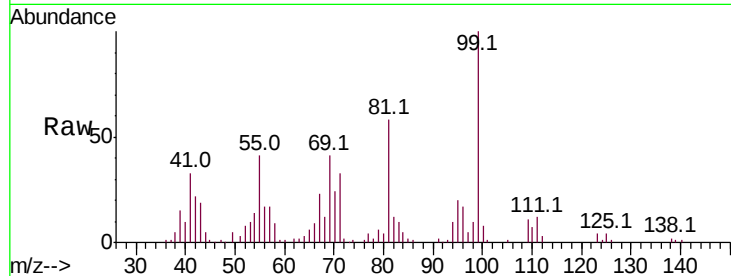




#10
 Phenol
 Concen: 2.326 ng
 RT: 6.62 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

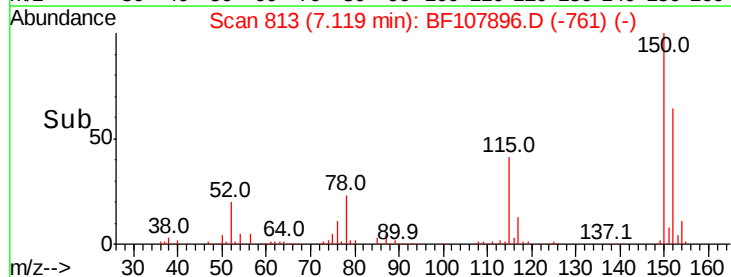
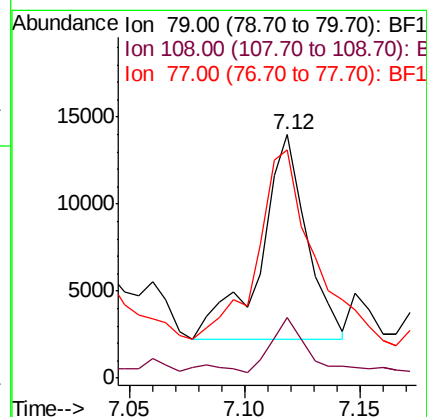
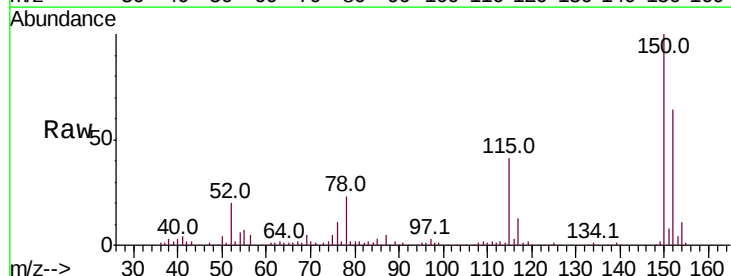
Instrument :
 BNA_F
 ClientSampled :

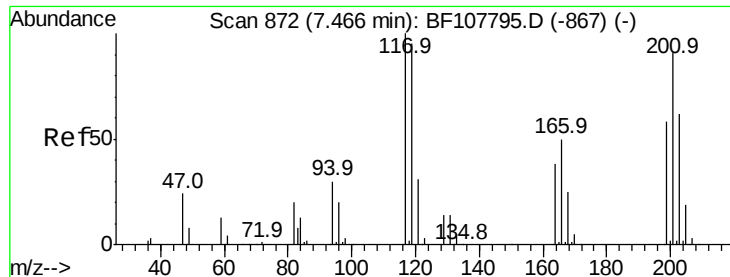
Tot Ion: 94 Resp: 24535
 Ion Ratio Lower Upper
 94 100
 65 63.0 7.9 47.9#
 66 86.7 16.2 56.2#



#15
 Benzyl Alcohol
 Concen: 3.005 ng
 RT: 7.12 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

Tgt Ion: 79 Resp: 16523
 Ion Ratio Lower Upper
 79 100
 108 24.9 65.1 97.7#
 77 93.6 50.6 75.8#

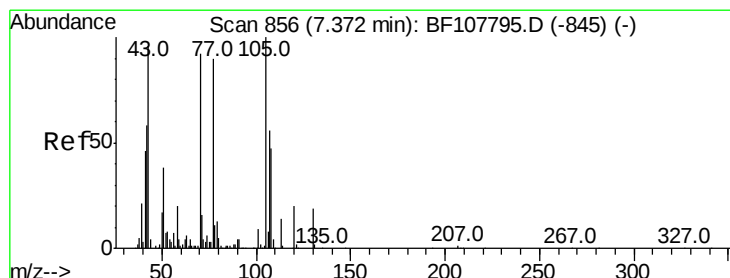
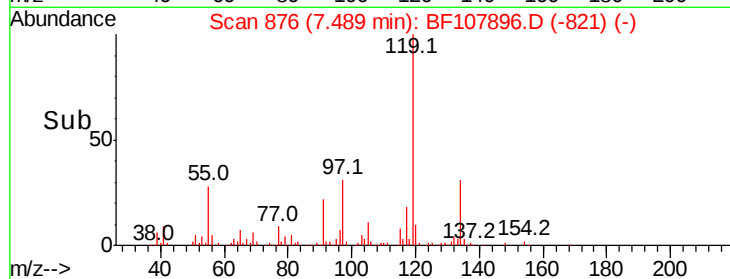
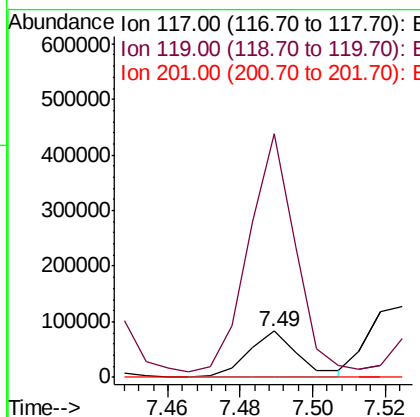
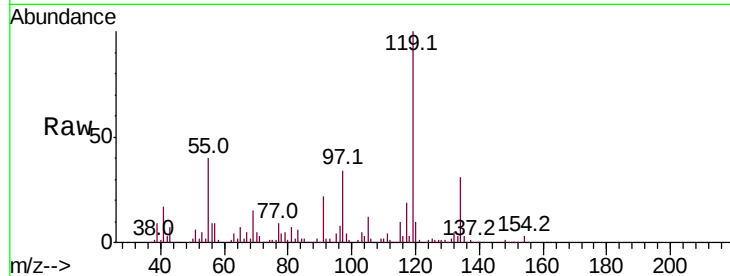




#18
Hexachloroethane
Concen: 21.328 ng
RT: 7.49 min Scan# 876
Delta R.T. 0.02 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

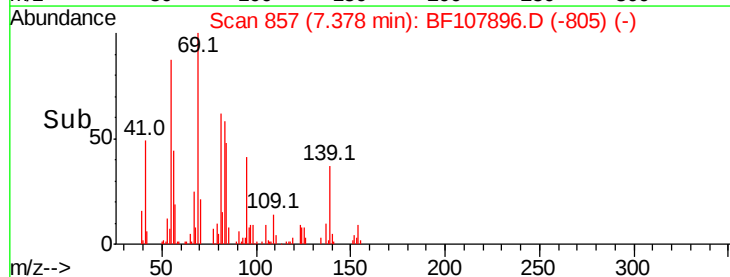
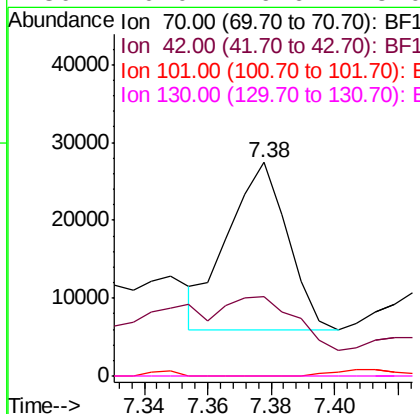
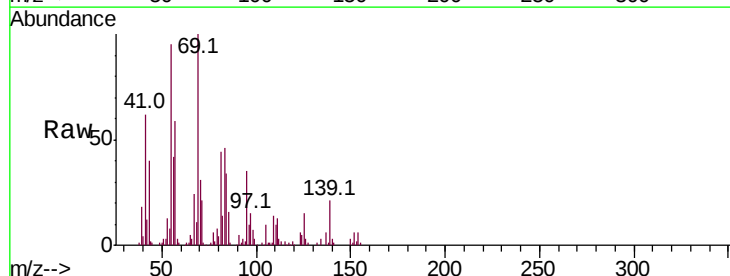
Instrument :
BNA_F
ClientSampled :

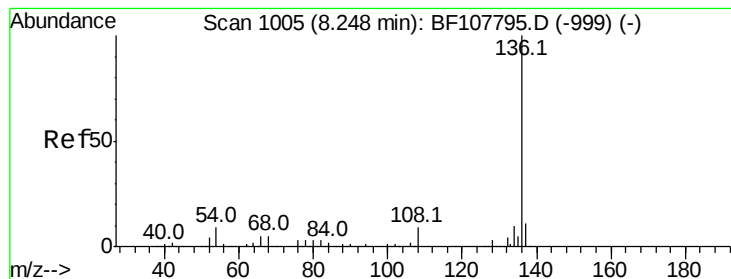
Tot Ion:117 Resp: 75459
Ion Ratio Lower Upper
117 100
119 528.4 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.936 ng
RT: 7.38 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion: 70 Resp: 27695
Ion Ratio Lower Upper
70 100
42 37.3 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: 8.25 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 427160

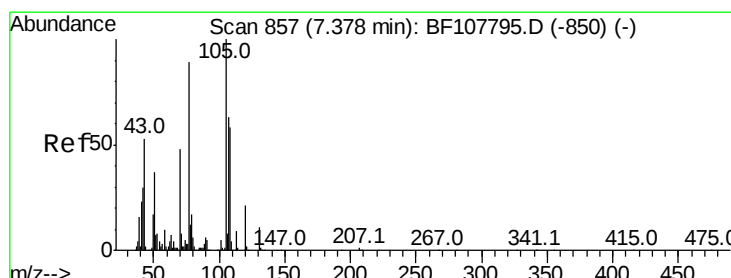
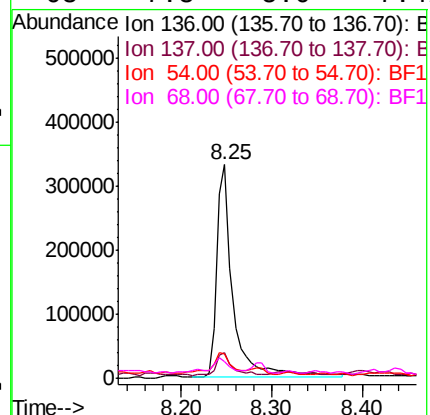
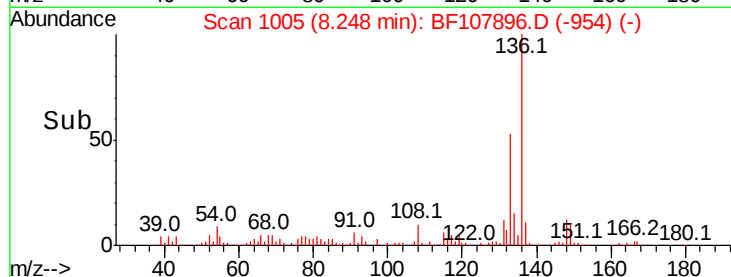
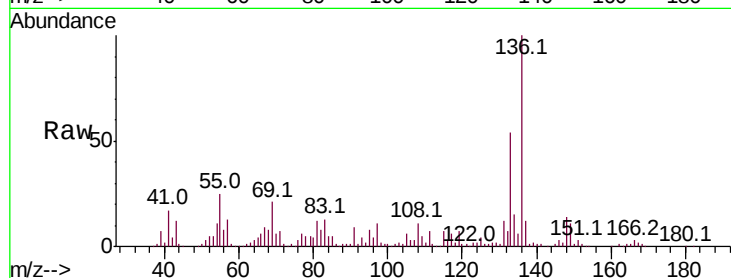
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 11.2 6.6 9.8#

68 7.8 5.0 7.4#



#22

Acetophenone

Concen: 24.159 ng

RT: 7.35 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Tgt Ion:105 Resp: 248284

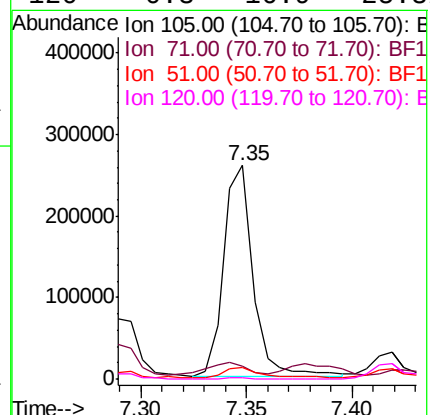
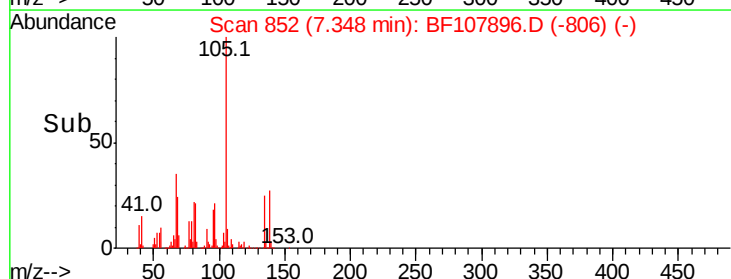
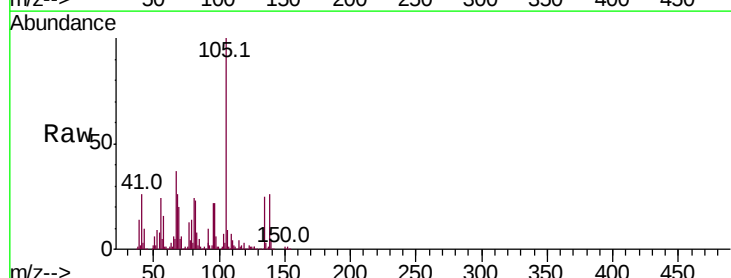
Ion Ratio Lower Upper

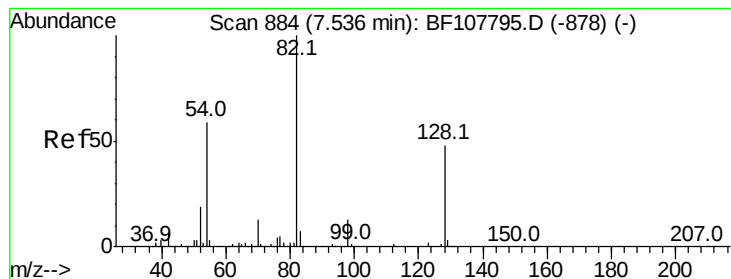
105 100

71 5.7 4.4 6.6

51 5.7 22.3 33.5#

120 0.3 16.9 25.3#





#23

Nitrobenzene-d5

Concen: 76.932 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Instrument :

BNA_F

ClientSampleId :

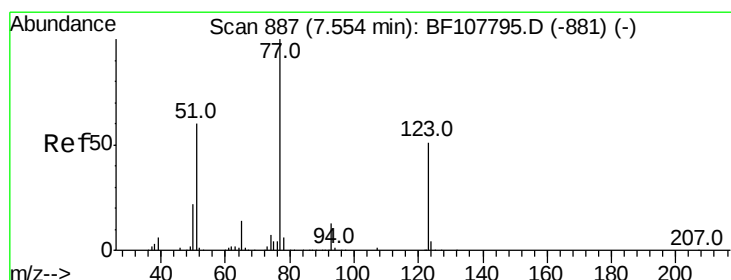
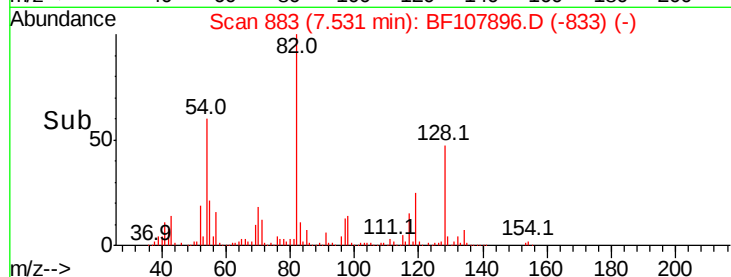
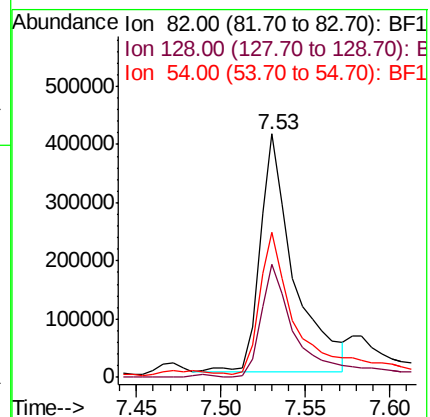
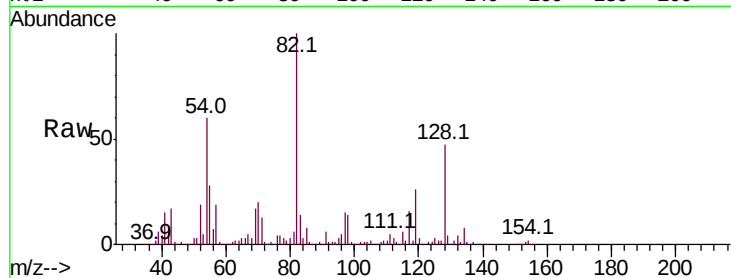
Tot Ion: 82 Resp: 570422

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

54 59.8 41.4 62.2



#24

Nitrobenzene

Concen: 2.091 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

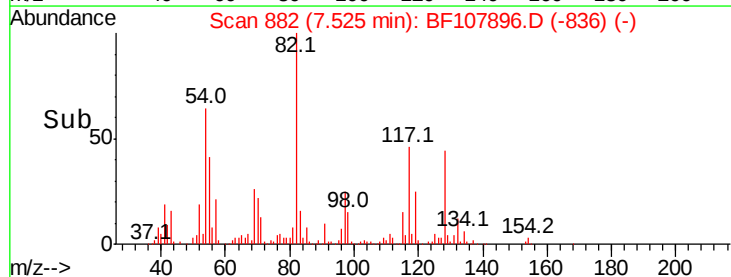
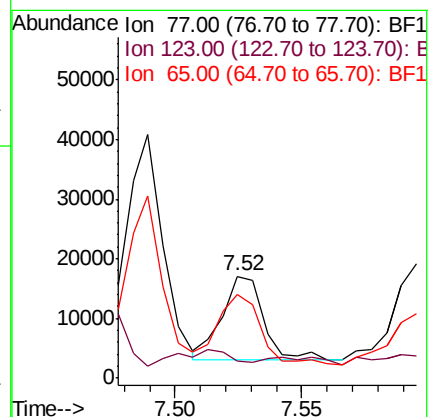
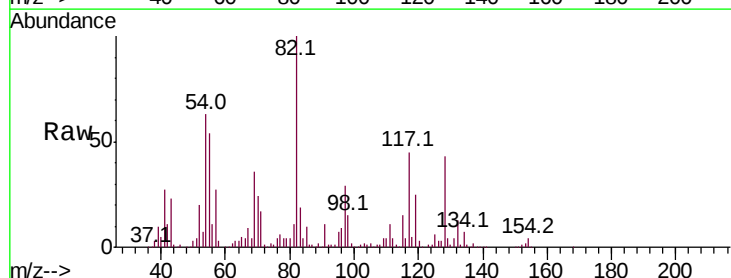
Tgt Ion: 77 Resp: 16259

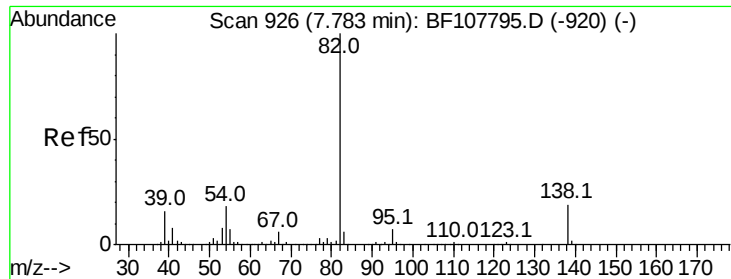
Ion Ratio Lower Upper

77 100

123 17.2 37.9 56.9#

65 82.8 11.0 16.4#





#25

Isophorone

Concen: 4.185 ng

RT: 7.76 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Instrument :

BNA_F

ClientSampleId :

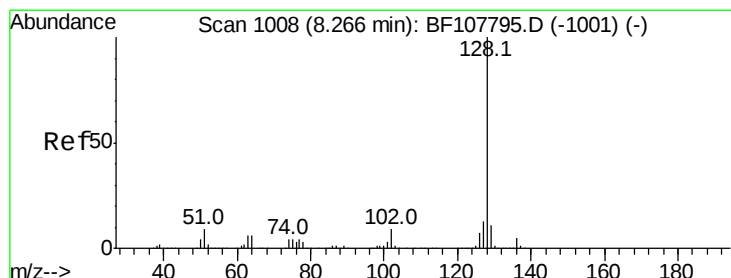
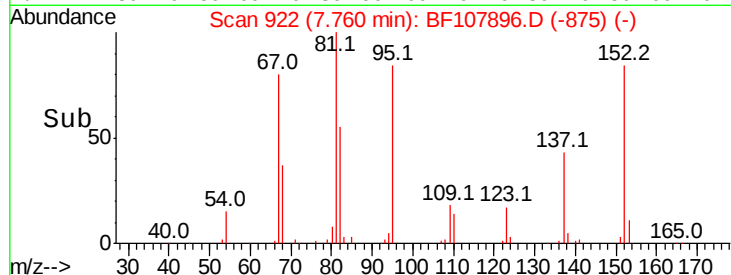
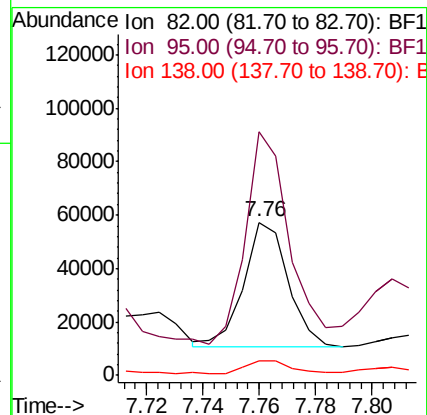
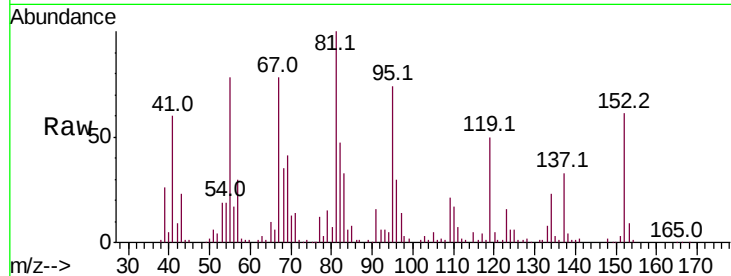
Tot Ion: 82 Resp: 50936

Ion Ratio Lower Upper

82 100

95 159.2 5.2 7.8#

138 9.7 14.9 22.3#



#31

Naphthalene

Concen: 2.324 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

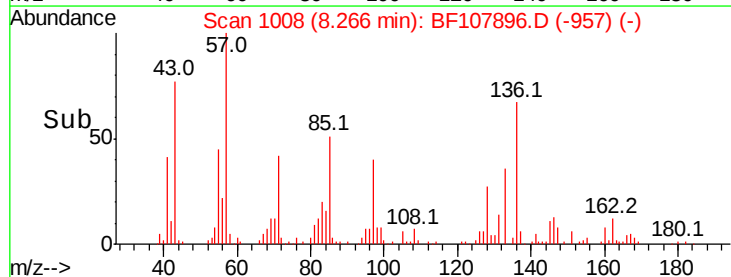
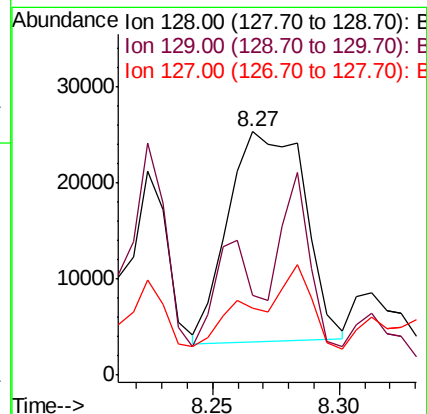
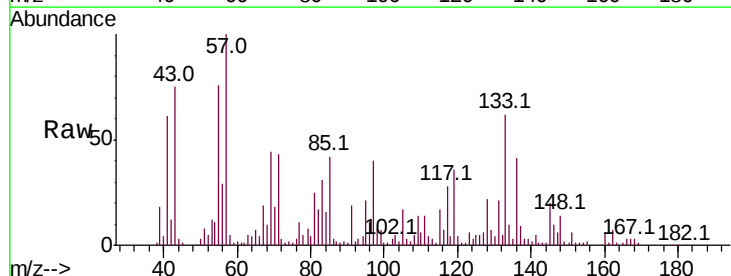
Tgt Ion:128 Resp: 46139

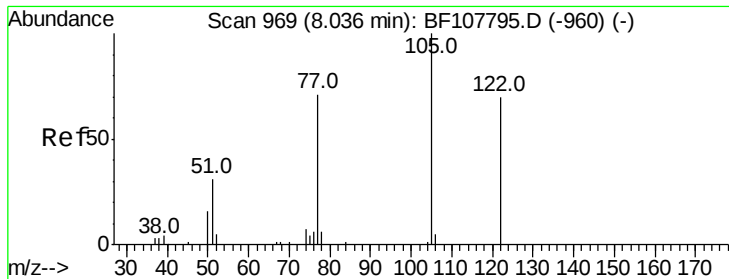
Ion Ratio Lower Upper

128 100

129 32.8 8.8 13.2#

127 27.7 10.9 16.3#





#32

Benzoic acid

Concen: 2.828 ng

RT: 8.02 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Instrument :

BNA_F

ClientSampled :

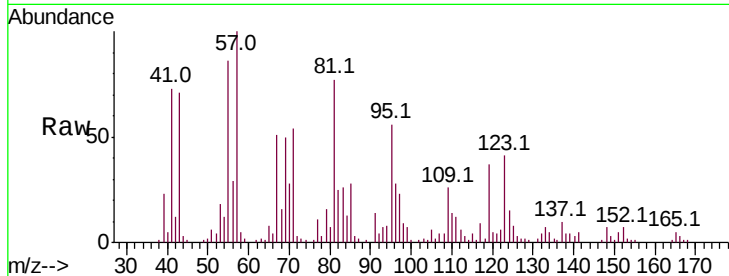
Tot Ion:122 Resp: 4792

Ion Ratio Lower Upper

122 100

105 99.8 101.1 141.1#

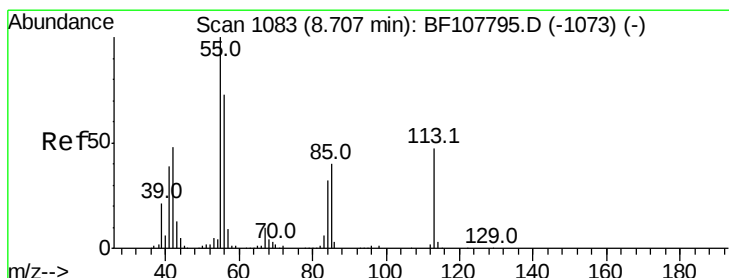
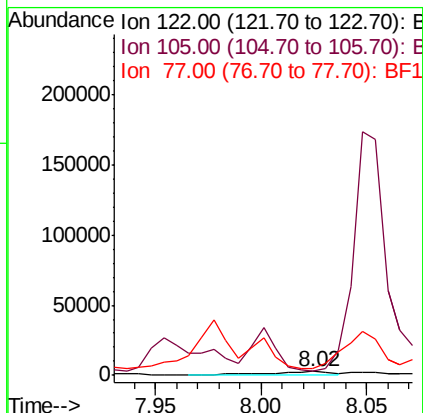
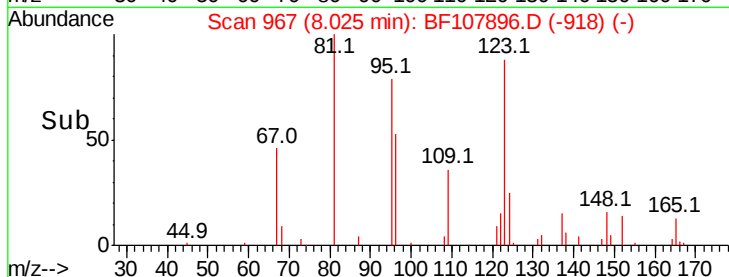
77 171.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 4.415 ng

RT: 8.68 min Scan# 1078

Delta R.T. -0.03 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

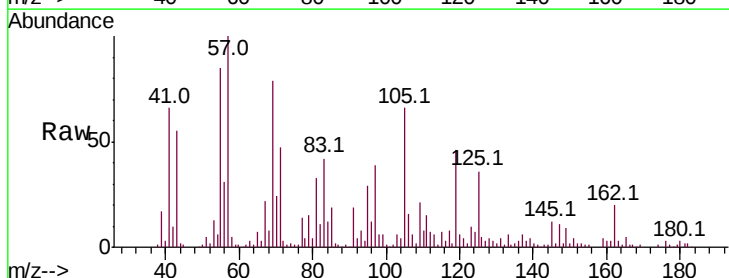
Tgt Ion:113 Resp: 7854

Ion Ratio Lower Upper

113 100

55 1496.3 163.3 203.3#

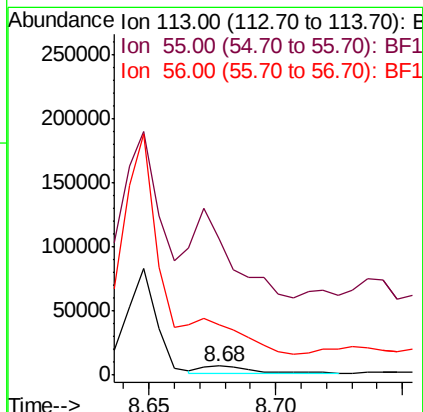
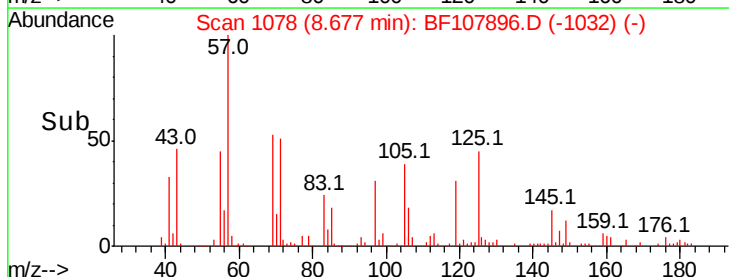
56 550.1 115.7 155.7#

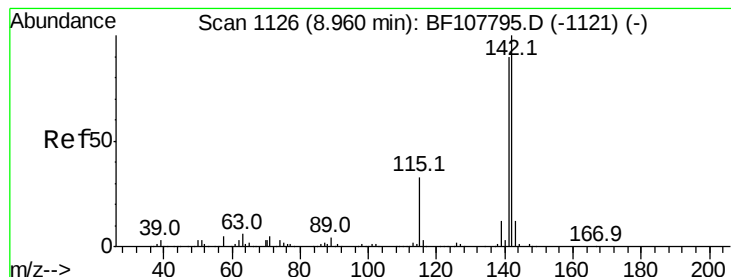


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

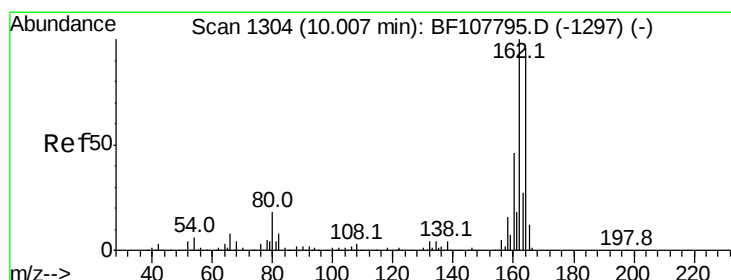
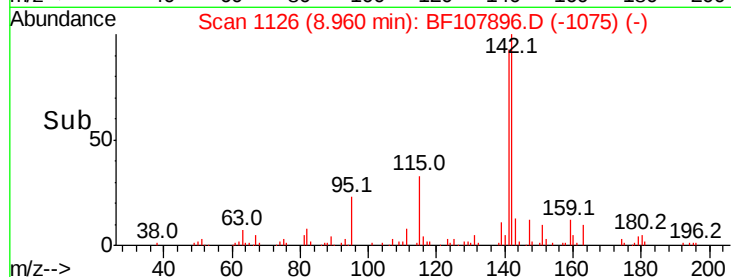
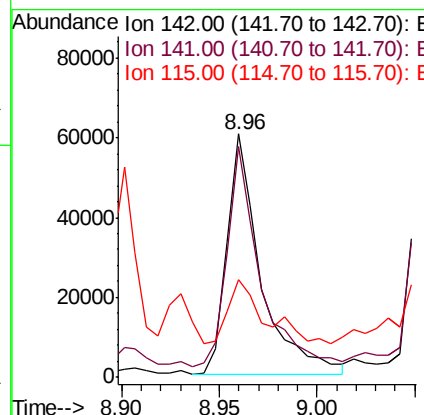
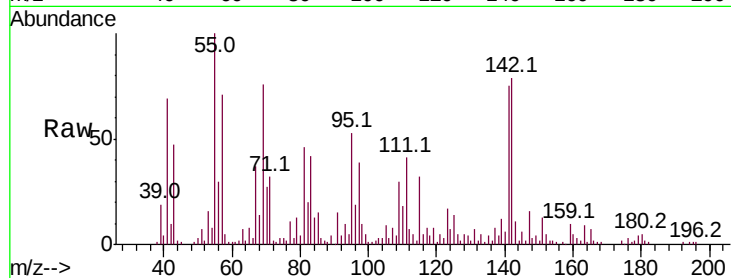




#37
 2-Methylnaphthalene
 Concen: 5.851 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

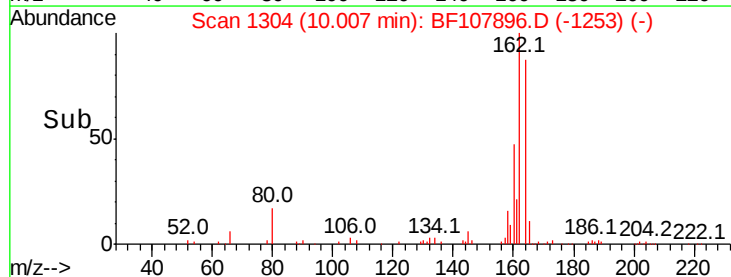
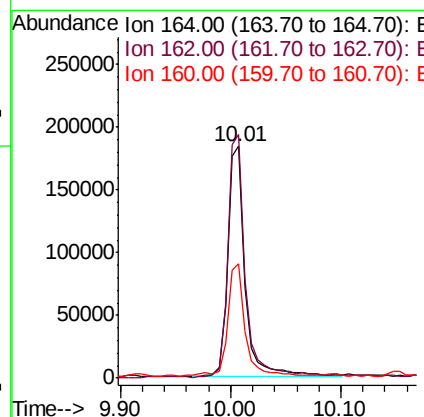
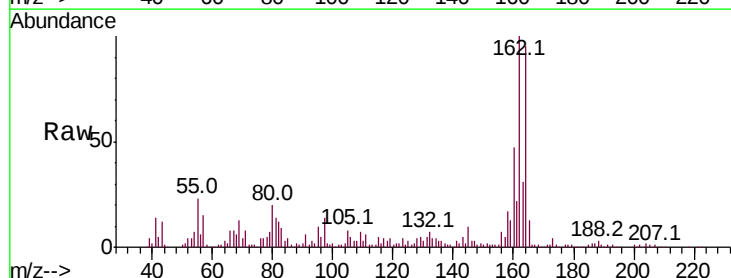
Instrument :
 BNA_F
 ClientSampleId :

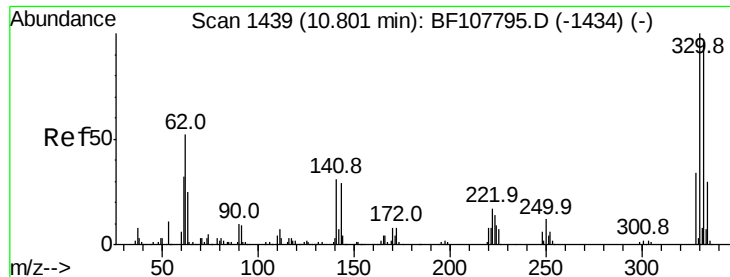
Tot Ion:142 Resp: 72983
 Ion Ratio Lower Upper
 142 100
 141 94.9 70.8 106.2
 115 40.0 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

Tgt Ion:164 Resp: 203031
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 49.5 38.3 57.5

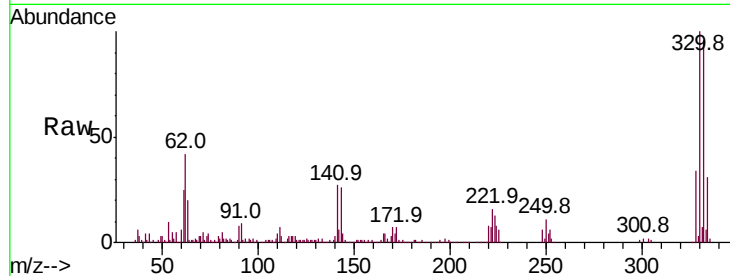




#41
 2,4,6-Tribromophenol
 Concen: 125.812 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	26.6	29.9	44.9#

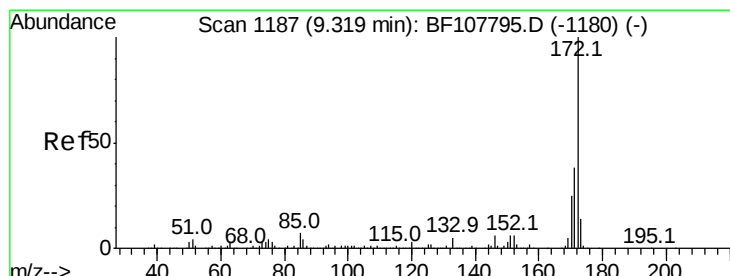
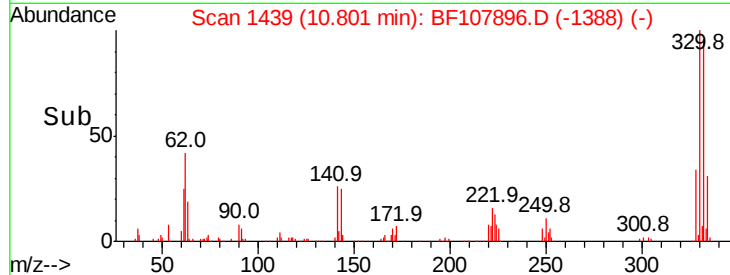
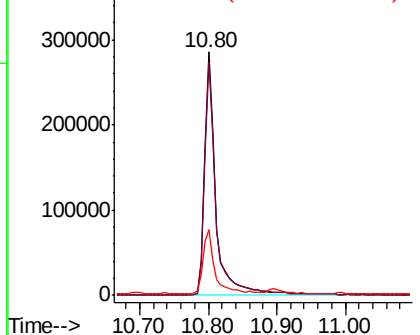


Abundance

Ion 329.80 (329.50 to 330.50): E

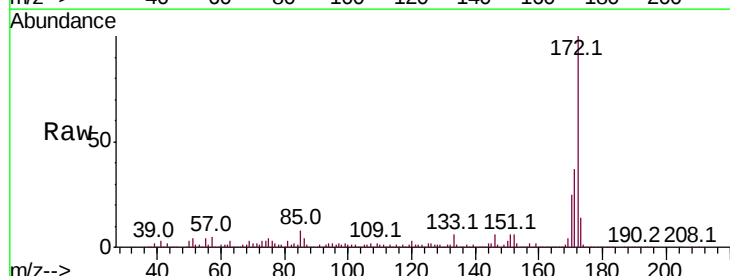
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.849 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF107896.D
 Acq: 1 Aug 2018 18:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.6	19.6	29.4

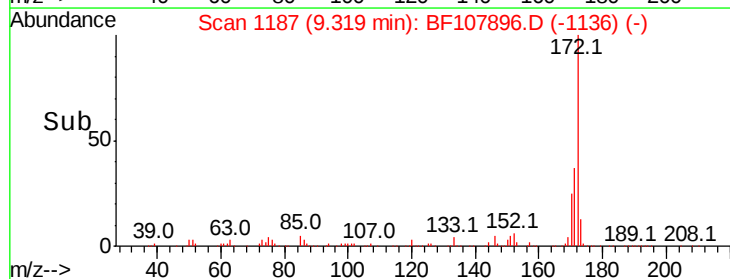
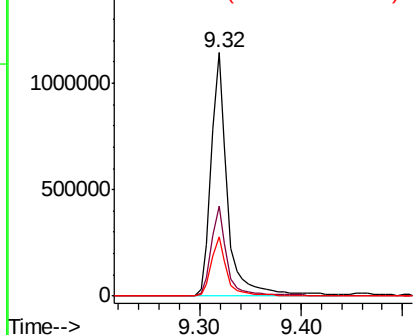


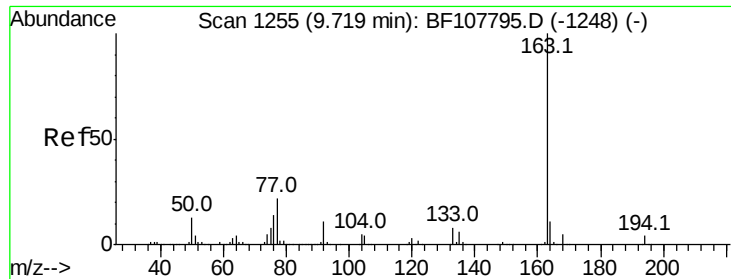
Abundance

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

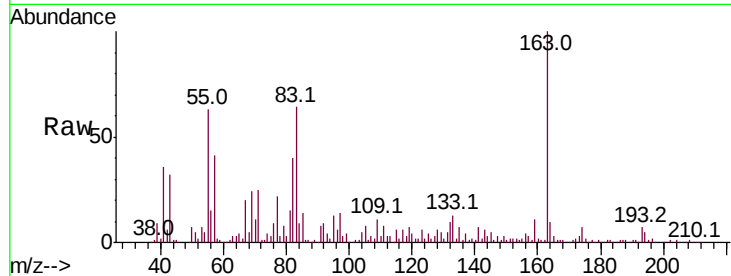




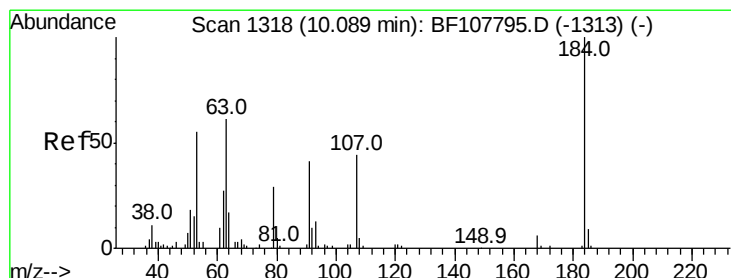
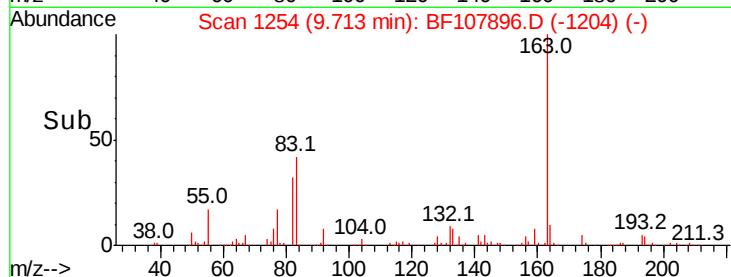
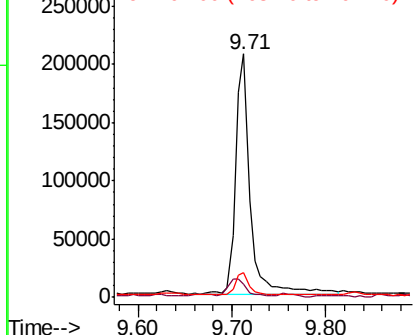
#49
Dimethylphthalate
Concen: 14.457 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 220436
Ion Ratio Lower Upper
163 100
194 5.2 2.7 4.1#
164 10.0 8.2 12.2

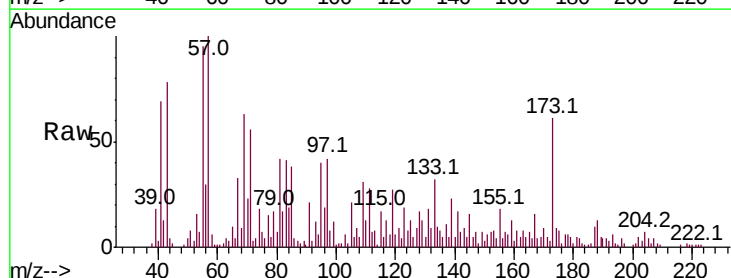


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

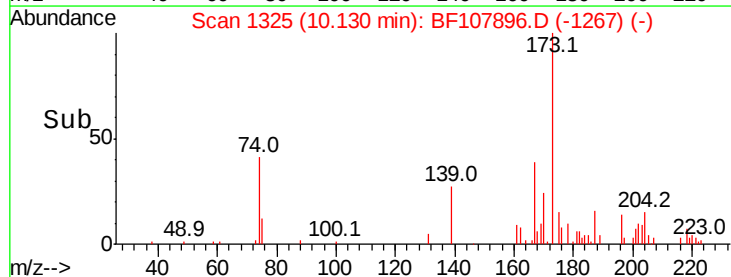
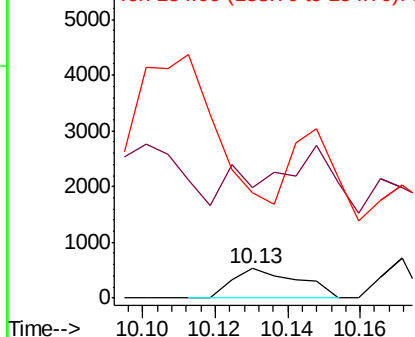


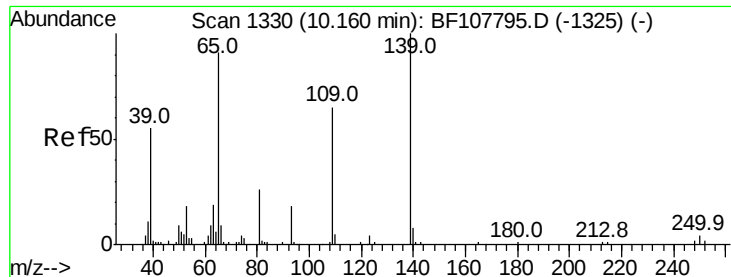
#53
2,4-Dinitrophenol
Concen: 8.788 ng
RT: 10.13 min Scan# 1325
Delta R.T. 0.04 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion:184 Resp: 678
Ion Ratio Lower Upper
184 100
63 374.1 54.2 81.2#
154 357.5 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

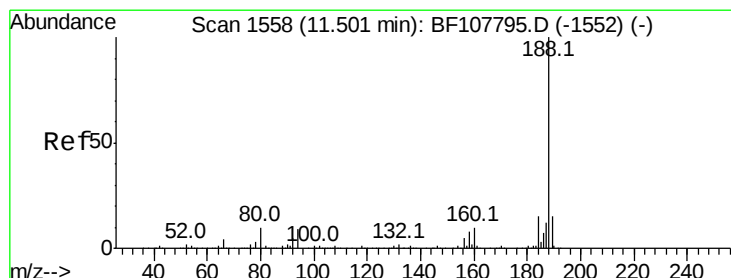
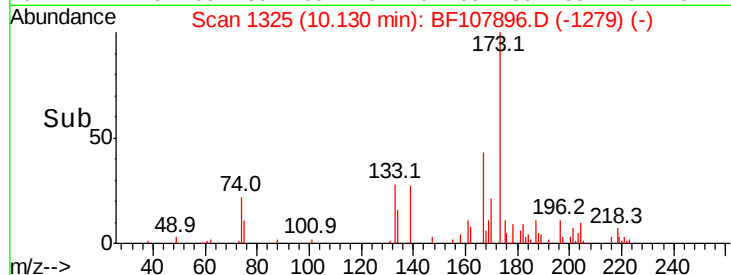
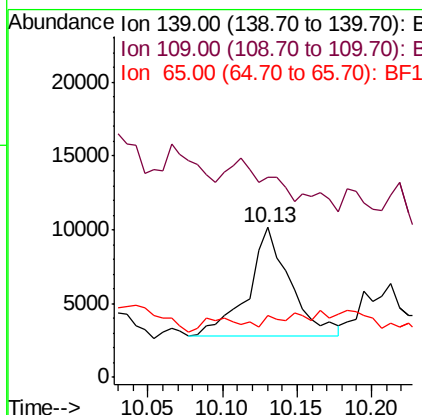
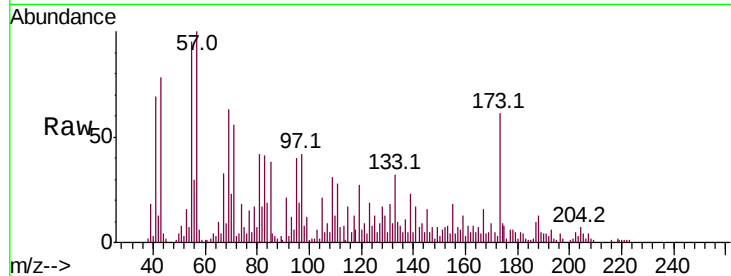




#55
4-Nitrophenol
Concen: 15.688 ng
RT: 10.13 min Scan# 1325
Delta R.T. -0.03 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

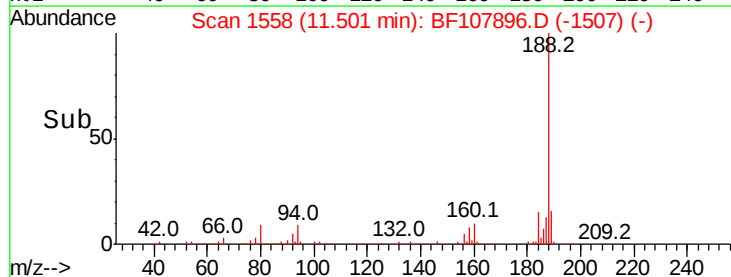
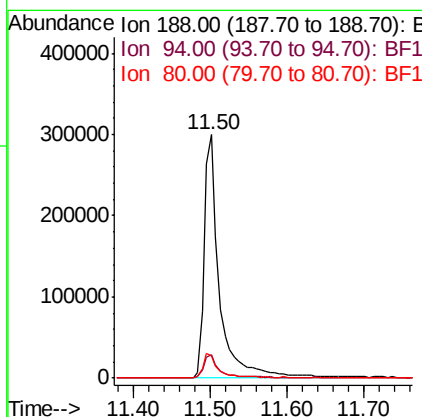
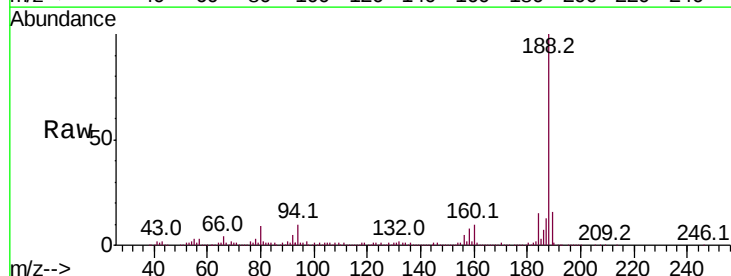
Instrument :
BNA_F
ClientSampled :

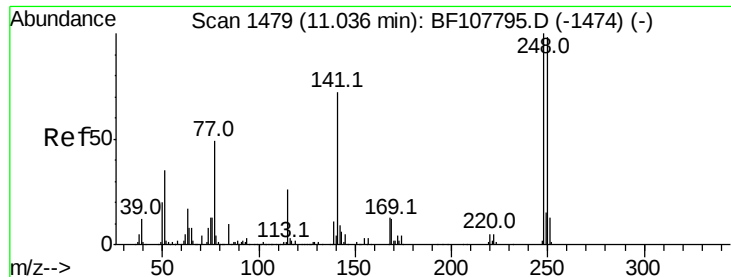
Tot Ion:139 Resp: 14179
Ion Ratio Lower Upper
139 100
109 133.8 48.4 88.4#
65 41.4 72.6 112.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion:188 Resp: 414474
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 9.3 9.2 13.8

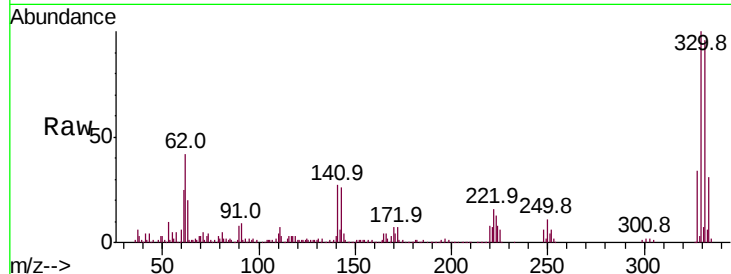




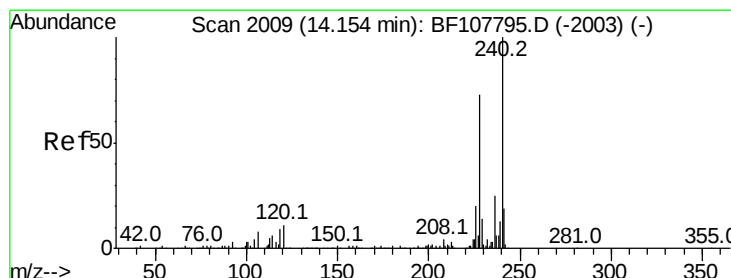
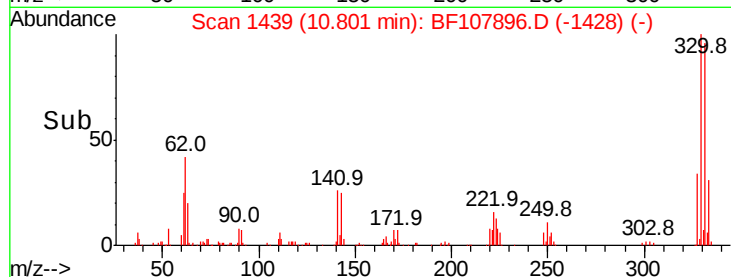
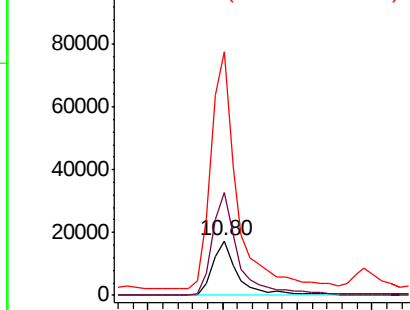
#66
4-Bromophenyl-phenylether
Concen: 4.204 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20308
Ion Ratio Lower Upper
248 100
250 187.6 76.9 115.3#
141 444.8 74.4 111.6#

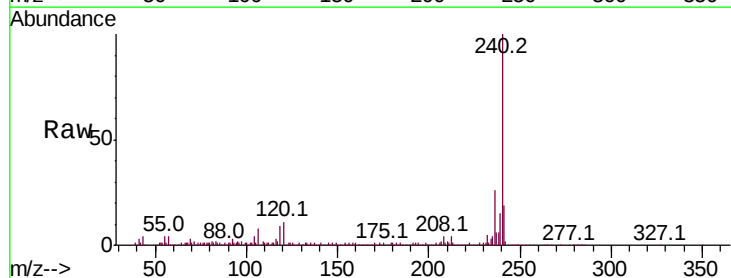


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

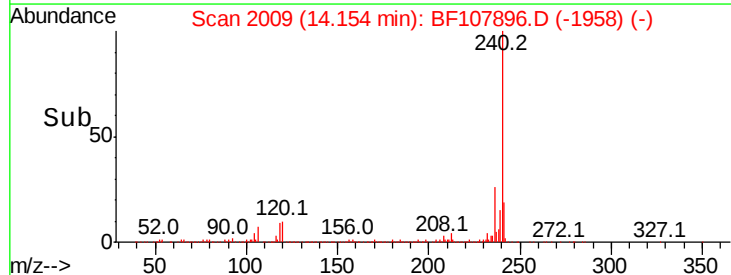
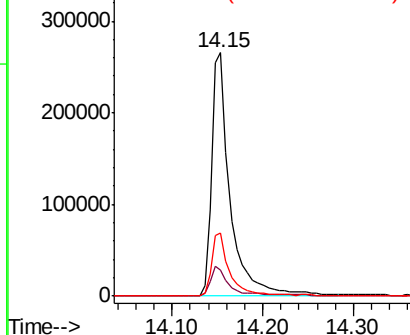


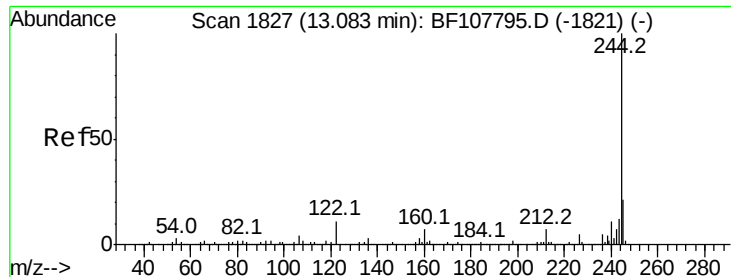
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF107896.D
Acq: 1 Aug 2018 18:28

Tgt Ion:240 Resp: 381843
Ion Ratio Lower Upper
240 100
120 10.7 9.5 14.3
236 26.1 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





#78

Terphenyl-d14

Concen: 77.495 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

Instrument :

BNA_F

ClientSampleId :

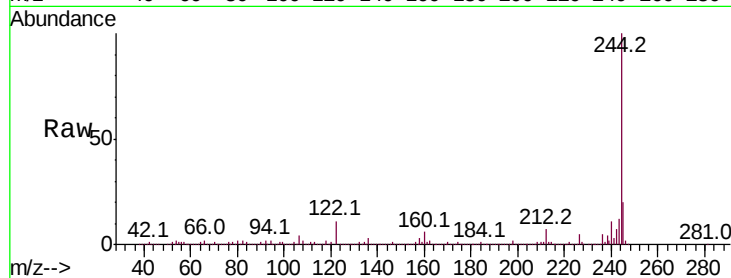
Tot Ion:244 Resp: 1364631

Ion Ratio Lower Upper

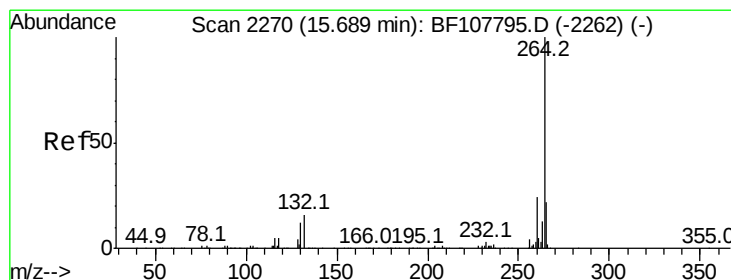
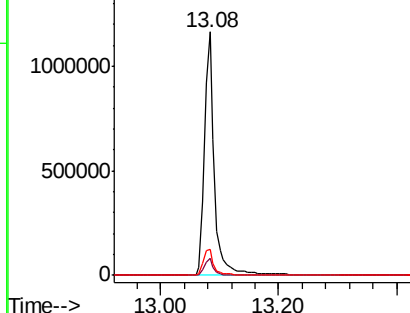
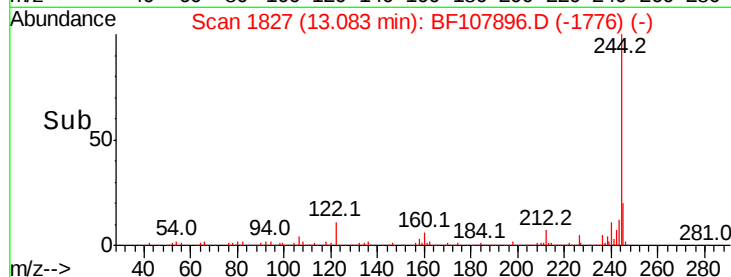
244 100

212 7.0 5.4 8.0

122 10.8 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: 15.69 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF107896.D

Acq: 1 Aug 2018 18:28

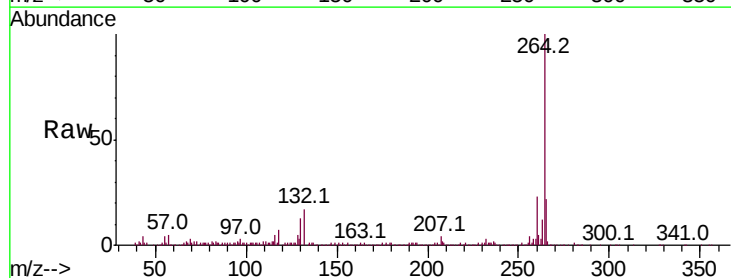
Tgt Ion:264 Resp: 381980

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.2 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

