

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108706.D
 Acq On : 31 Aug 2018 22:58
 Operator : JU/SJ
 Sample : J4736-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:50:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

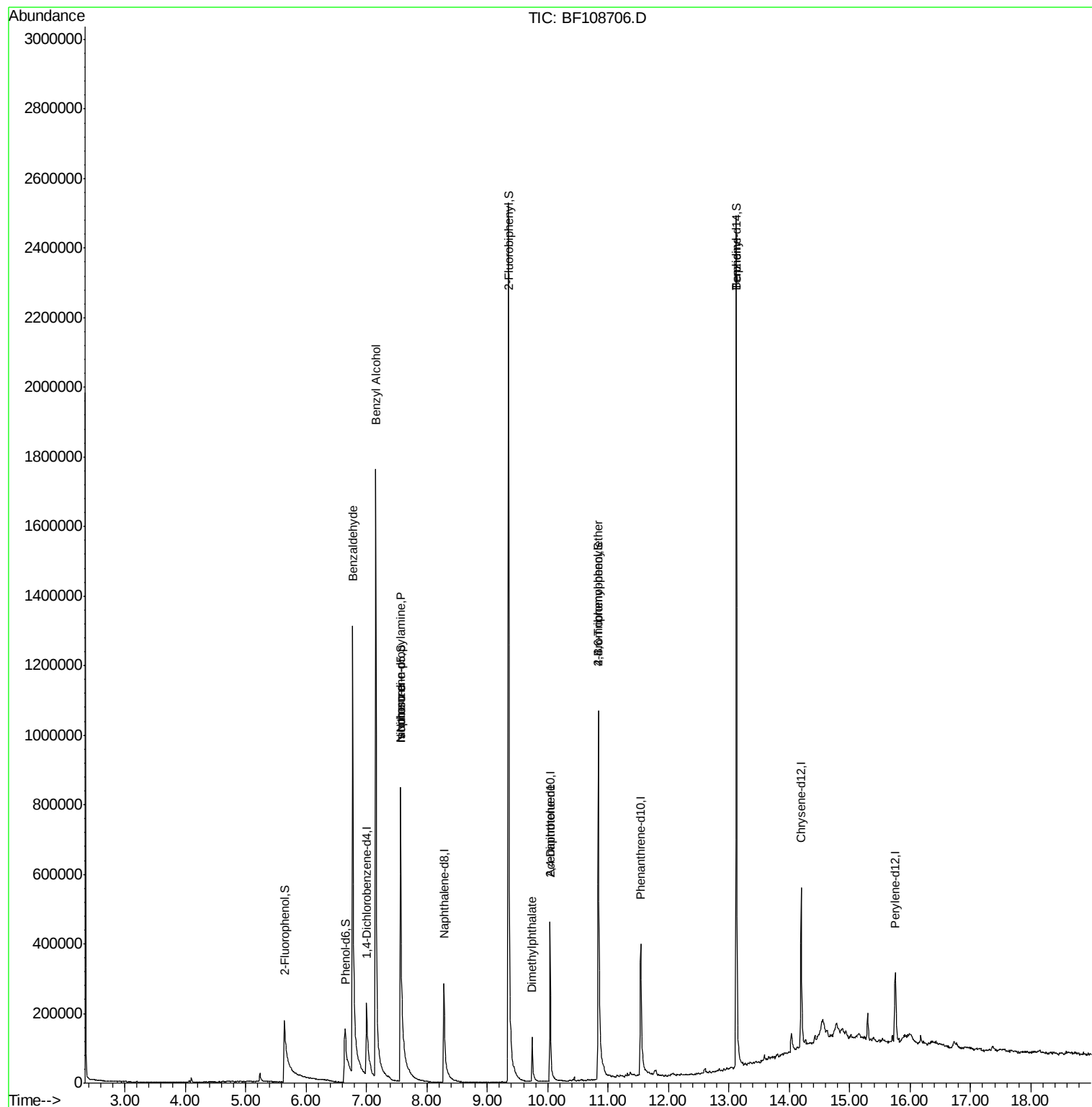
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	77559	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	280109	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	129170	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	250672	20.00	ng	0.00
75) Chrysene-d12	14.19	240	210568	20.00	ng	0.00
86) Perylene-d12	15.75	264	142970	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	198397	44.44	ng	0.00
7) Phenol-d6	6.65	99	207477	32.45	ng	0.00
23) Nitrobenzene-d5	7.57	82	605290	109.68	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	212291	124.50	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1107711	115.31	ng	0.00
78) Terphenyl-d14	13.12	244	976079	90.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.77	77	13159	3.330	ng	# 79
15) Benzyl Alcohol	7.15	79	10261	2.231	ng	# 48
19) n-Nitroso-di-n-propylamine	7.57	70	71851	16.779	ng	# 81
25) Isophorone	7.57	82	610502	66.597	ng	# 64
49) Dimethylphthalate	9.74	163	82425	8.103	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	16239	5.470	ng	# 21
66) 4-Bromophenyl-phenylether	10.84	248	13554	4.399	ng	# 1
76) Benzidine	13.12	184	13254	2.236	ng	# 91

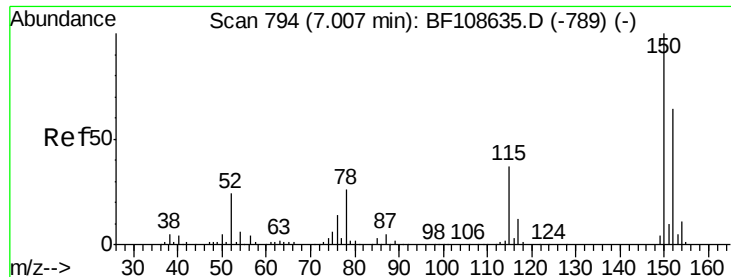
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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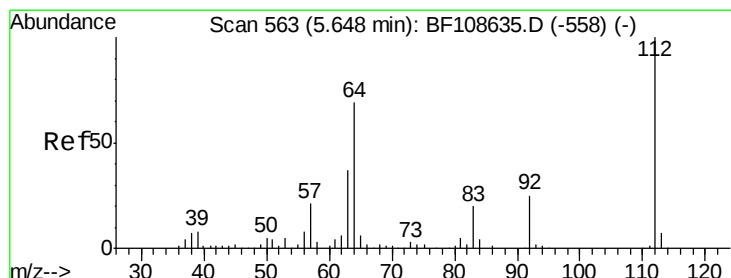
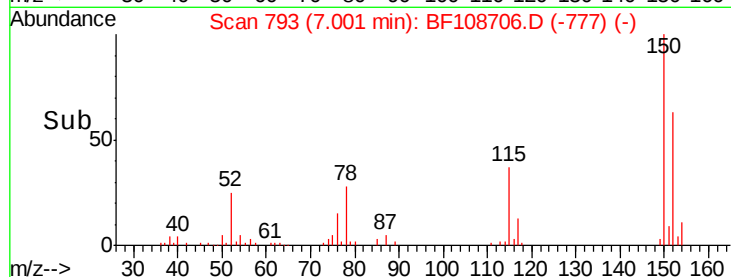
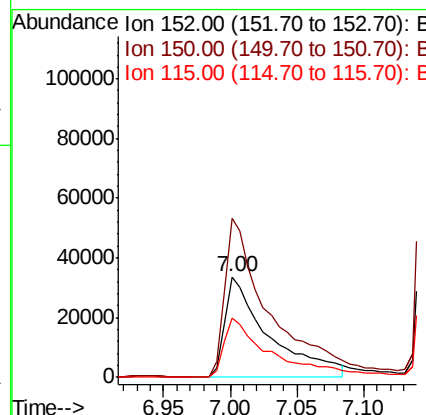
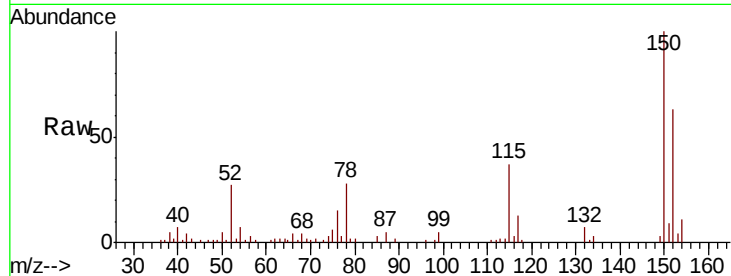


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Instrument :
BNA_F
ClientSampled :

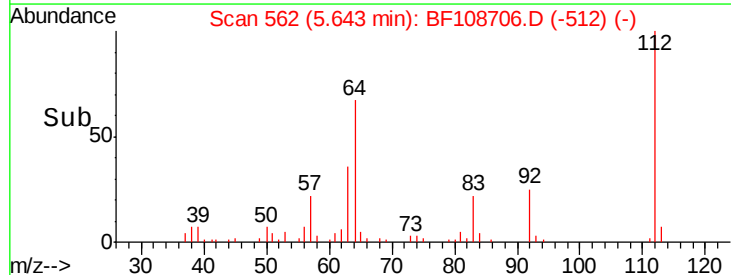
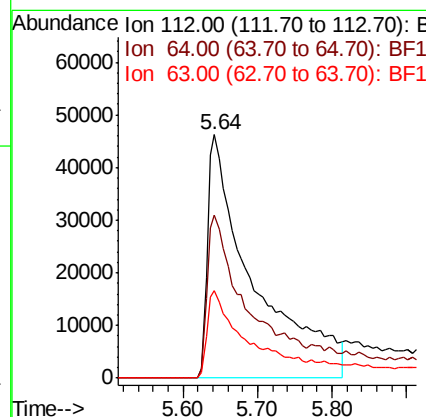
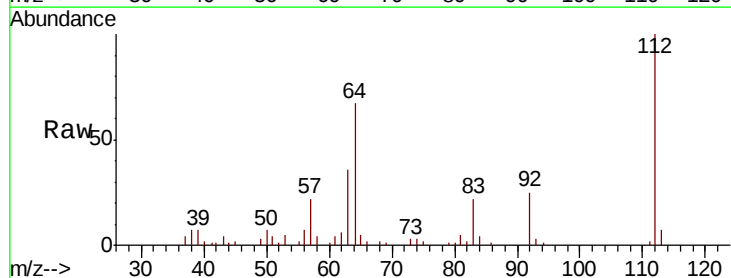
Tot Ion:152 Resp: 77559
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 59.1 50.1 75.1

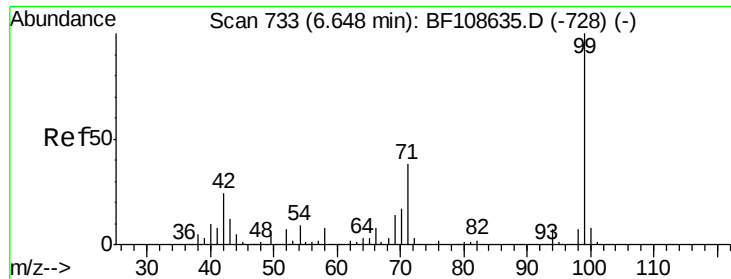


#5

2-Fluorophenol
Concen: 44.438 ng
RT: 5.64 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Tgt Ion:112 Resp: 198397
Ion Ratio Lower Upper
112 100
64 66.9 47.9 71.9
63 36.1 23.7 35.5#





#7

Phenol-d6

Concen: 32.446 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

Instrument :

BNA_F

ClientSampleId :

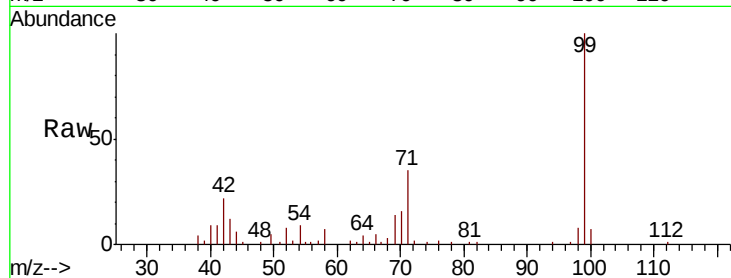
Tot Ion: 99 Resp: 207477

Ion Ratio Lower Upper

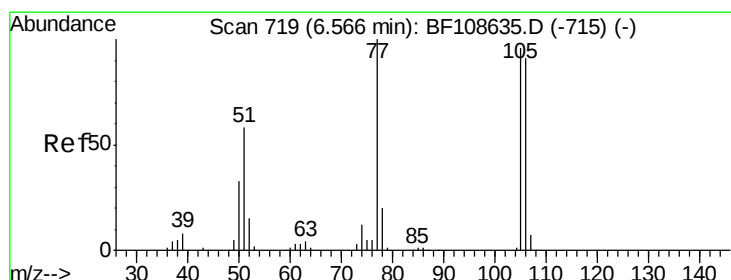
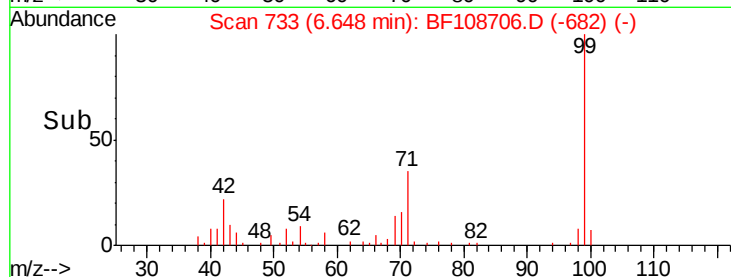
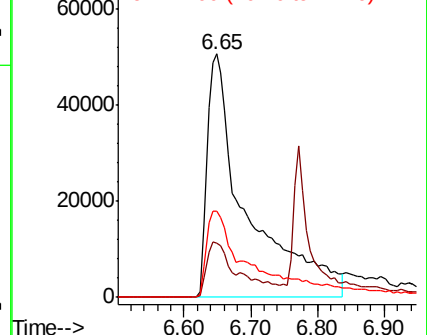
99 100

42 22.0 14.5 21.7#

71 35.2 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: 3.330 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

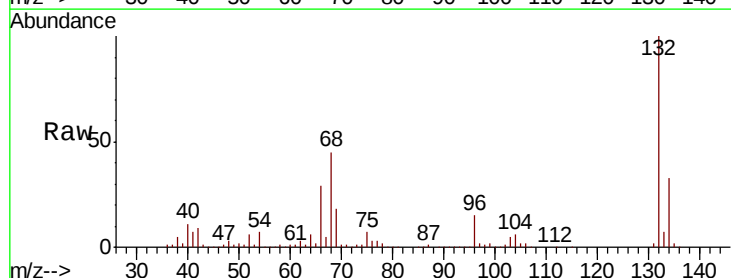
Tgt Ion: 77 Resp: 13159

Ion Ratio Lower Upper

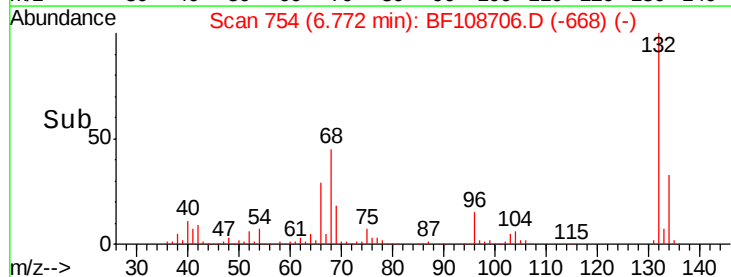
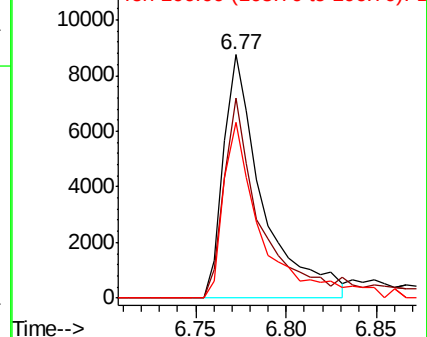
77 100

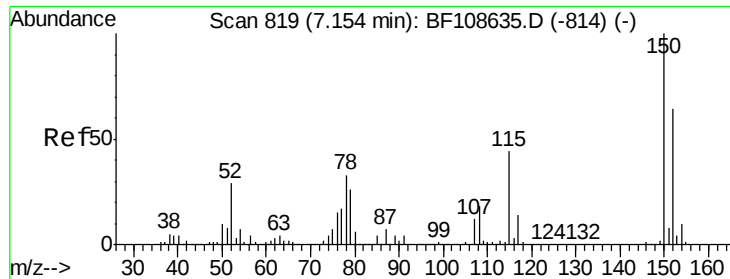
105 82.2 81.1 121.1

106 72.4 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

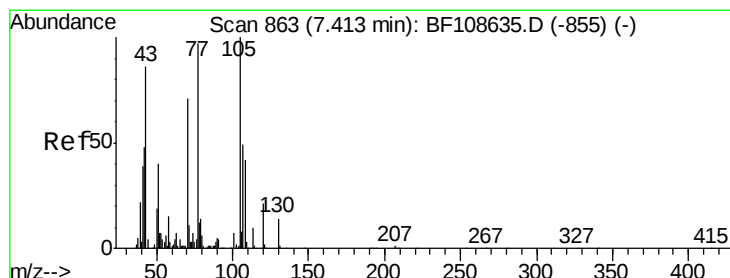
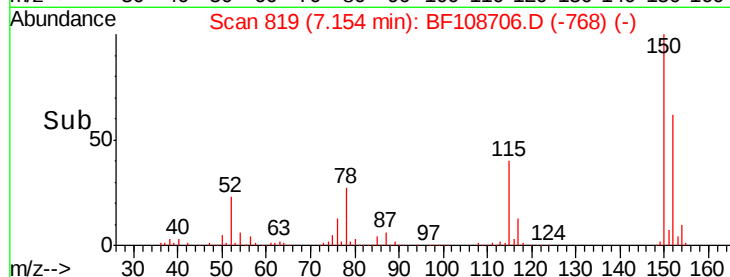
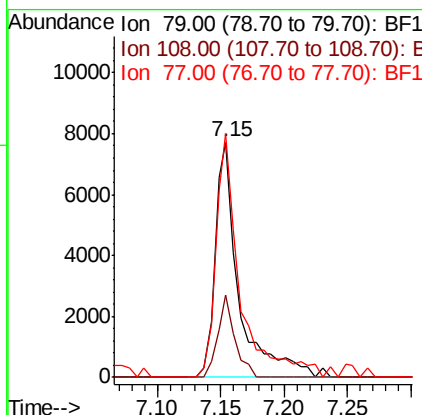
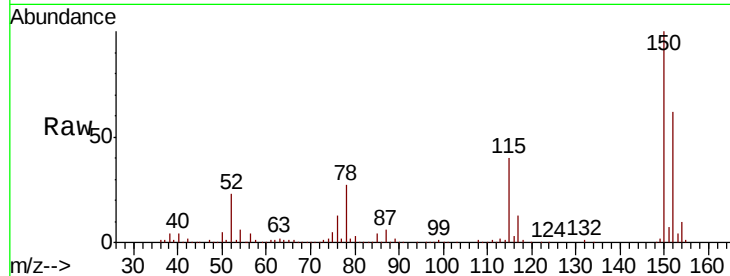




#15
Benzyl Alcohol
Concen: 2.231 ng
RT: 7.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

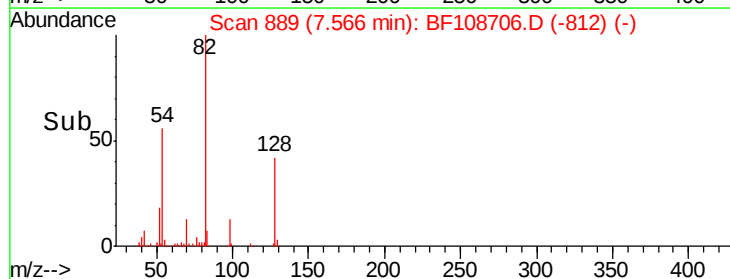
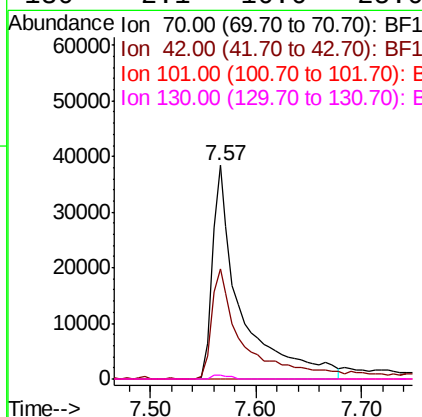
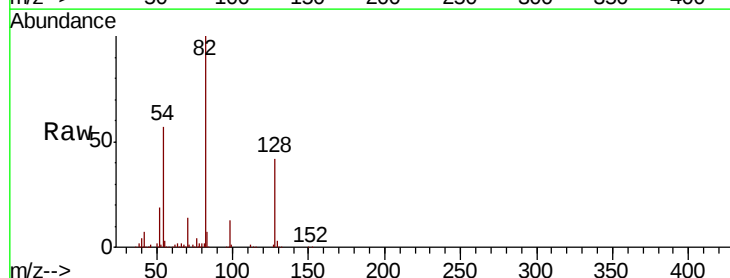
Instrument :
BNA_F
ClientSampled :

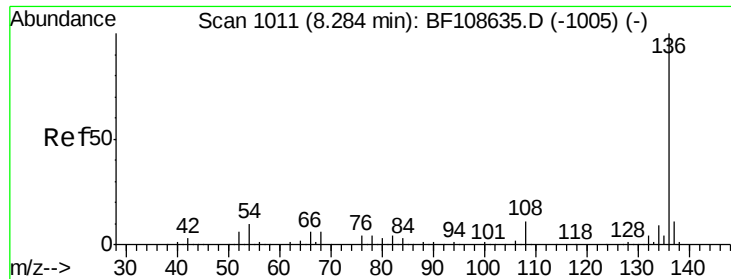
Tot Ion: 79 Resp: 10261
Ion Ratio Lower Upper
79 100
108 34.8 65.1 97.7#
77 103.5 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.779 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Tgt Ion: 70 Resp: 71851
Ion Ratio Lower Upper
70 100
42 51.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

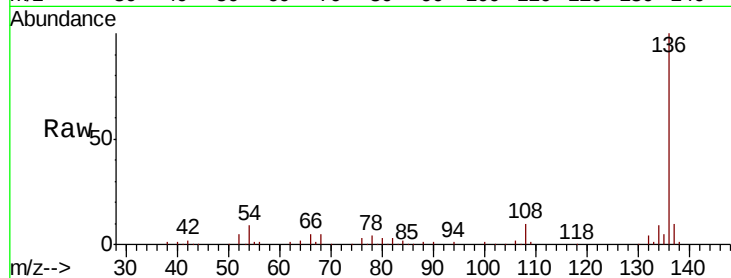




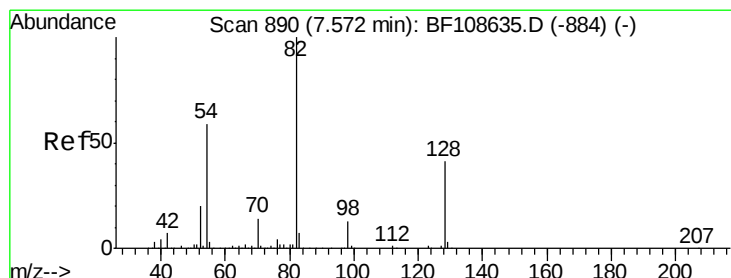
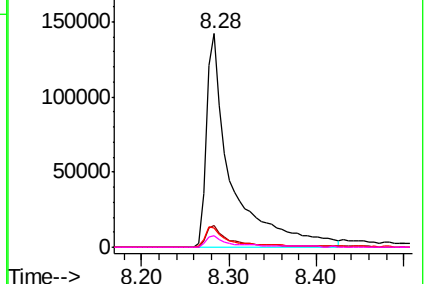
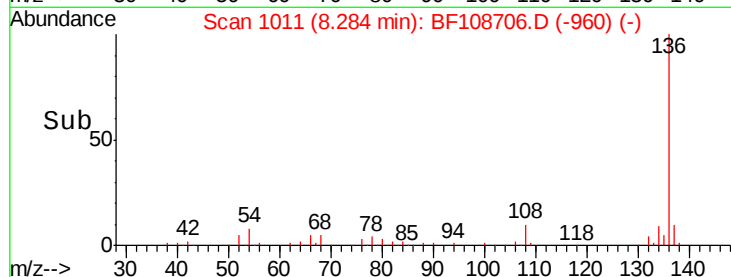
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	280109
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.9 13.3
54	8.8	6.6 9.8
68	5.2	5.0 7.4

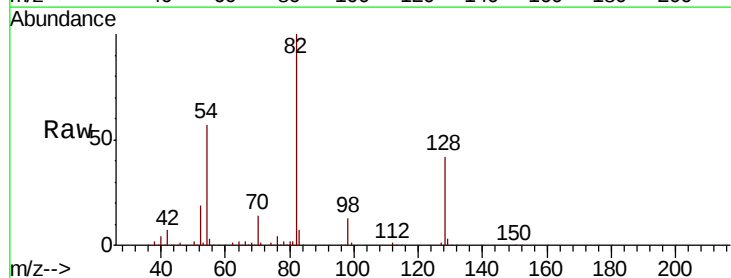


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

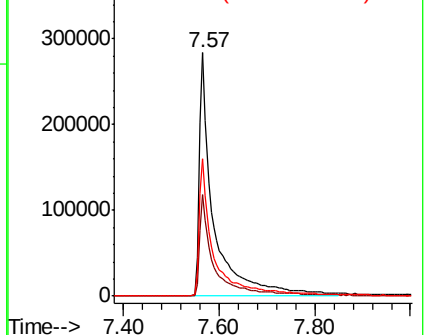
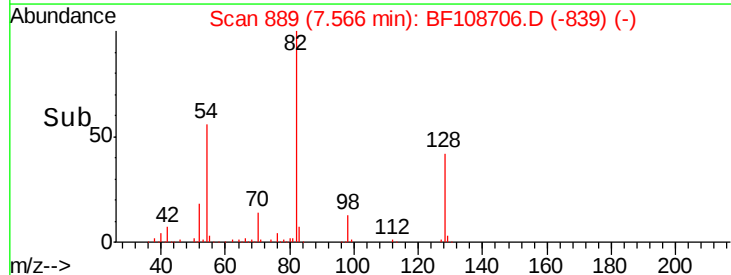


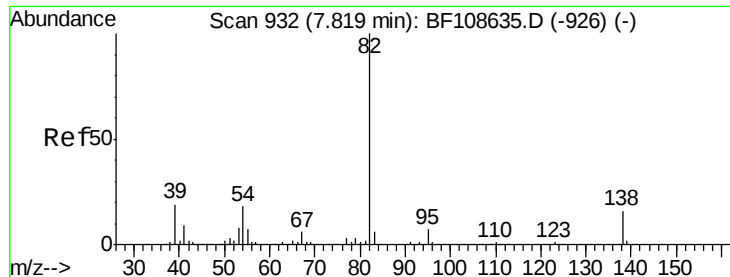
#23
Nitrobenzene-d5
Concen: 109.685 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Tgt Ion: 82	Resp:	605290
Ion Ratio	Lower	Upper
82	100	
128	41.5	36.1 54.1
54	56.6	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: 66.597 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

Instrument :

BNA_F

ClientSampleId :

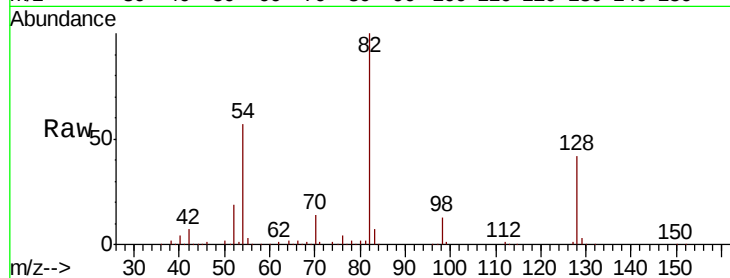
Tot Ion: 82 Resp: 610502

Ion Ratio Lower Upper

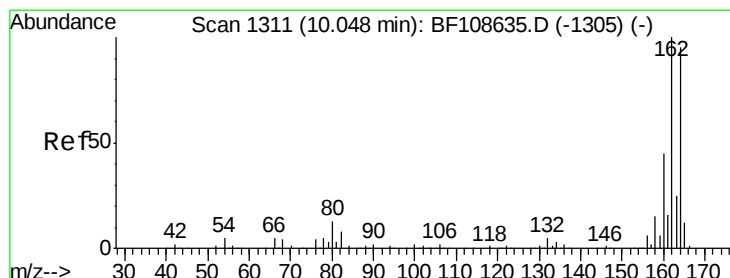
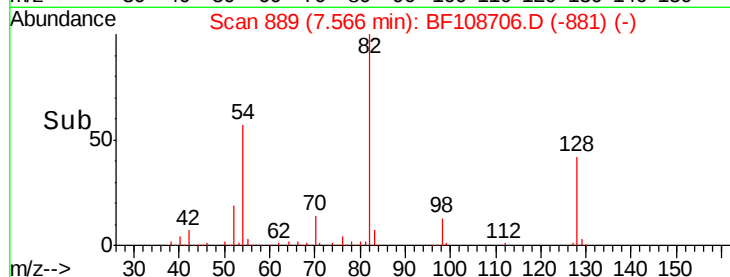
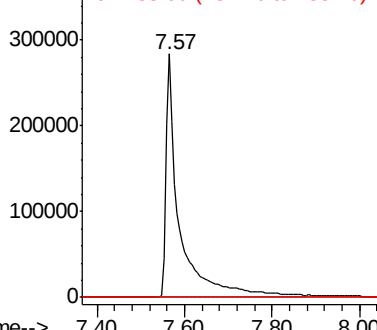
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

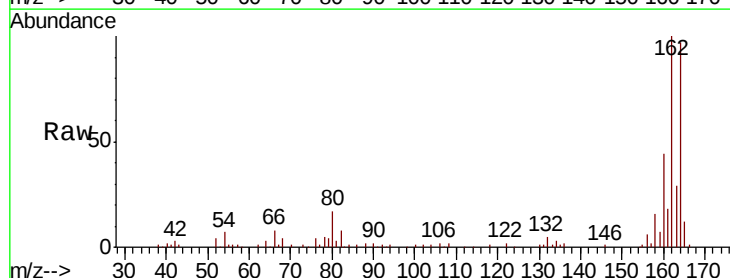
Tgt Ion:164 Resp: 129170

Ion Ratio Lower Upper

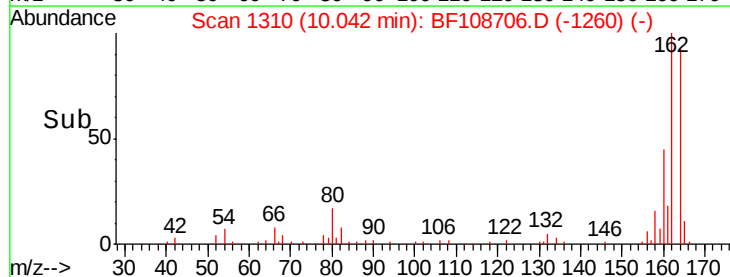
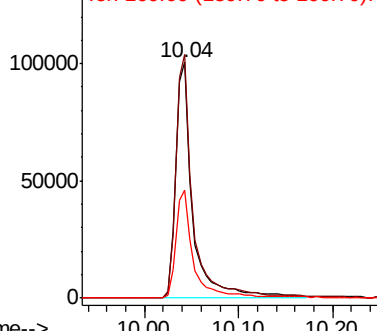
164 100

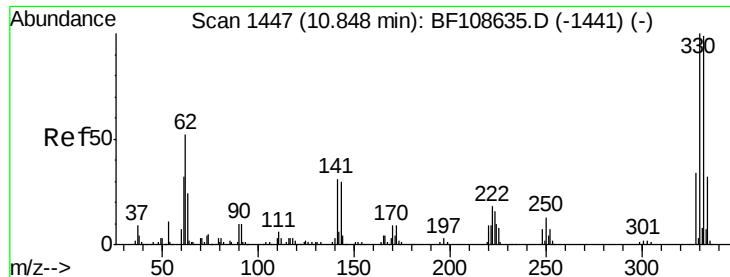
162 103.2 86.1 129.1

160 45.9 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

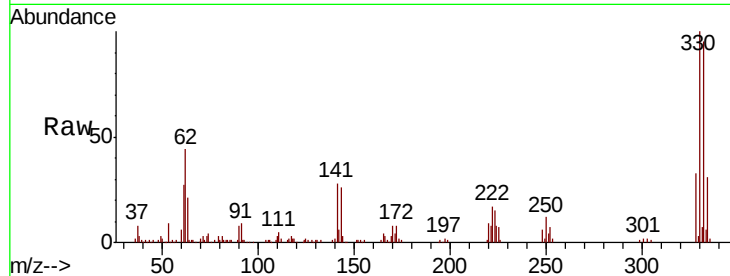




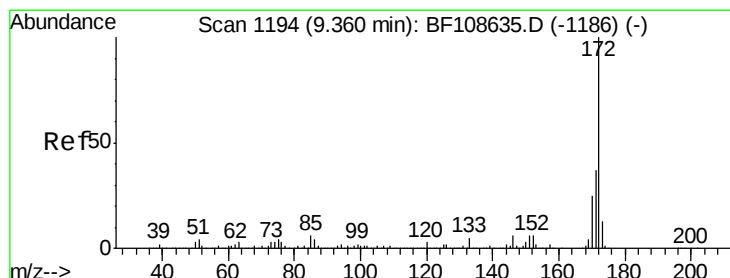
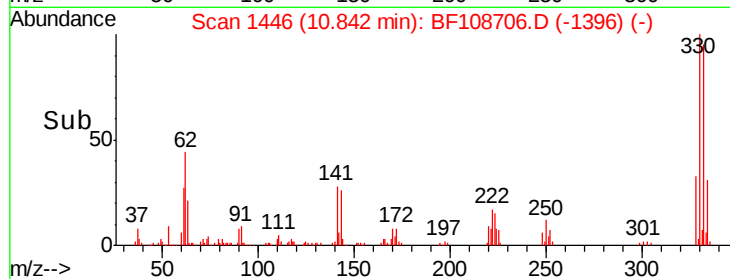
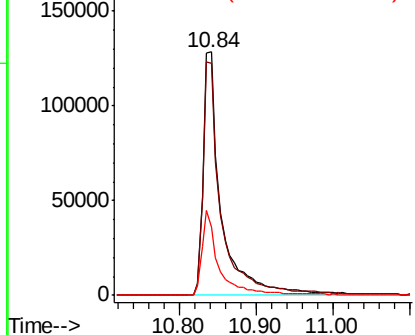
#41
 2,4,6-Tribromophenol
 Concen: 124.496 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108706.D
 Acq: 31 Aug 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 212291
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 32.5 29.9 44.9

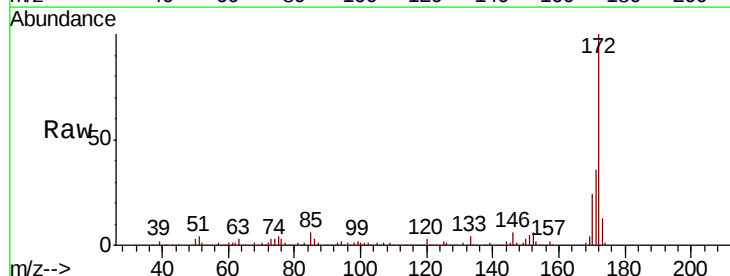


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

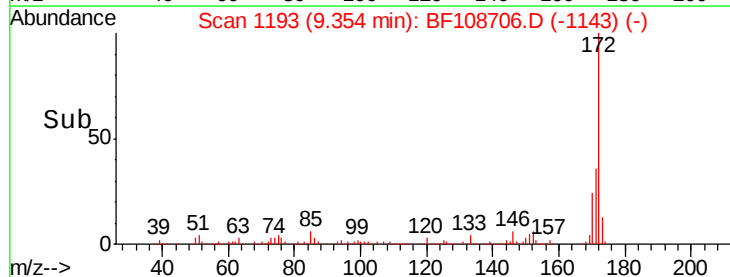
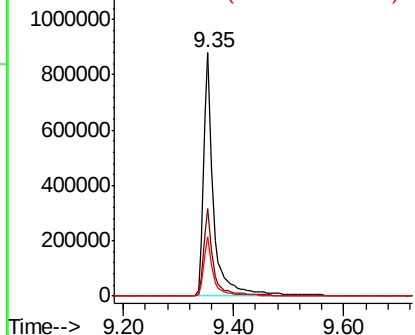


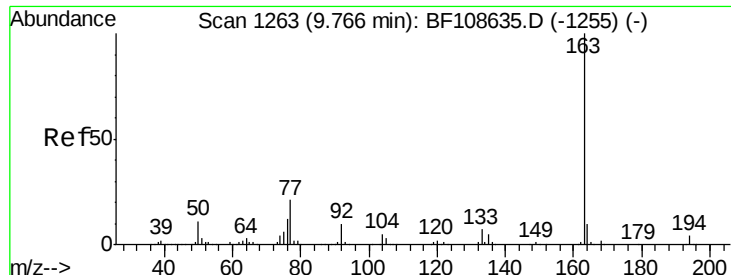
#44
 2-Fluorobiphenyl
 Concen: 115.306 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108706.D
 Acq: 31 Aug 2018 22:58

Tgt Ion:172 Resp: 1107711
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.3 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

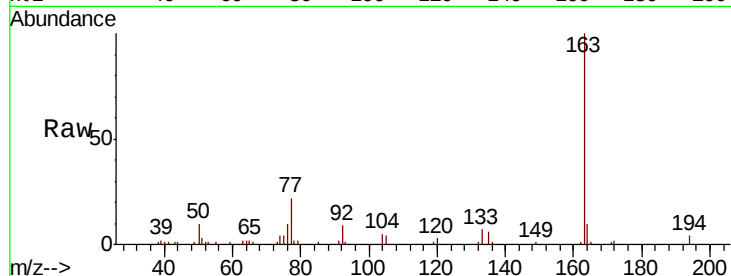




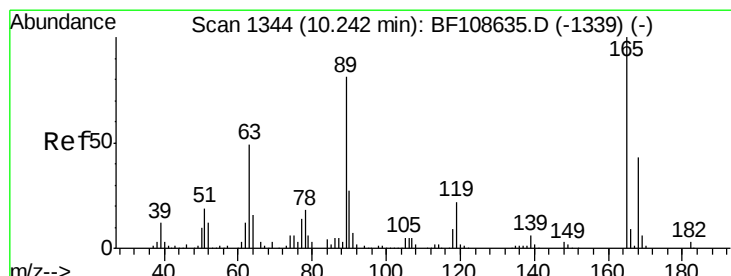
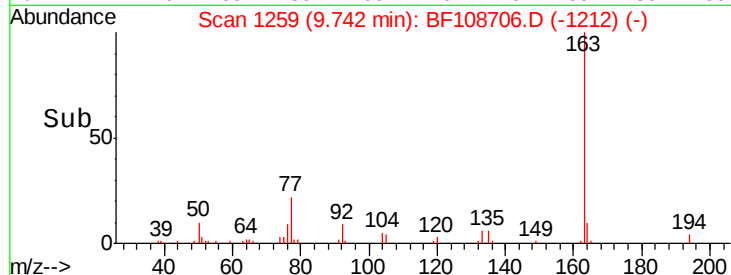
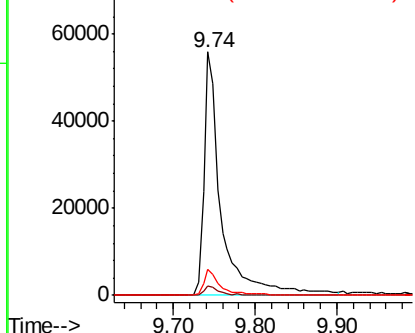
#49
Dimethylphthalate
Concen: 8.103 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 82425
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.5 8.2 12.2

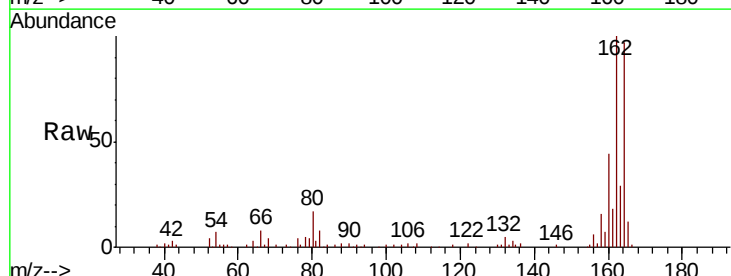


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

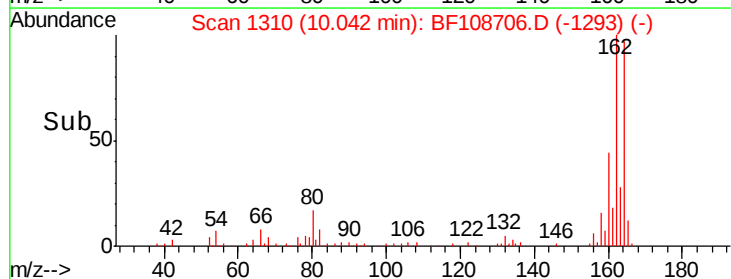
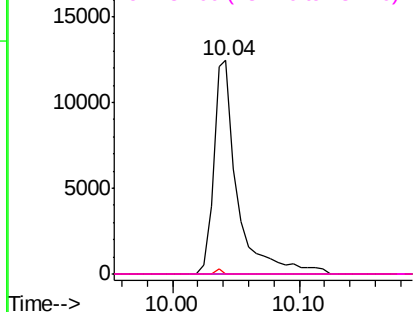


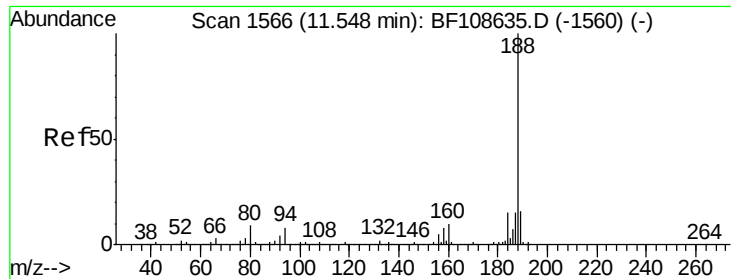
#56
2,4-Dinitrotoluene
Concen: 5.470 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.20 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Tgt Ion:165 Resp: 16239
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#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

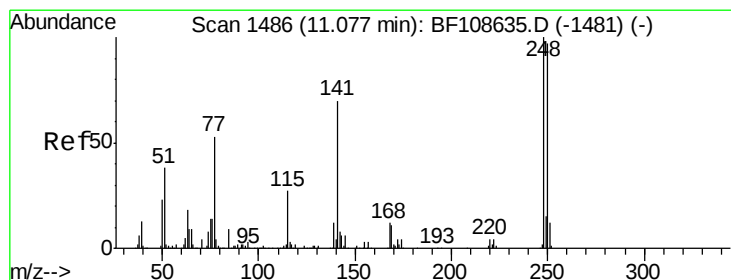
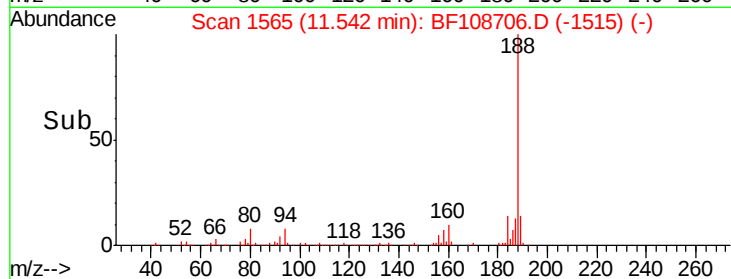
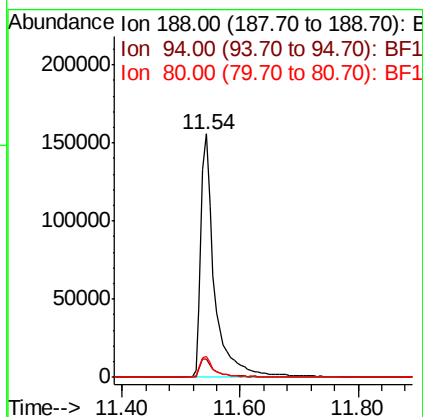
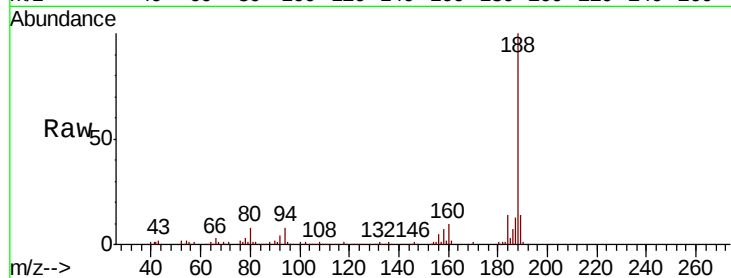




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

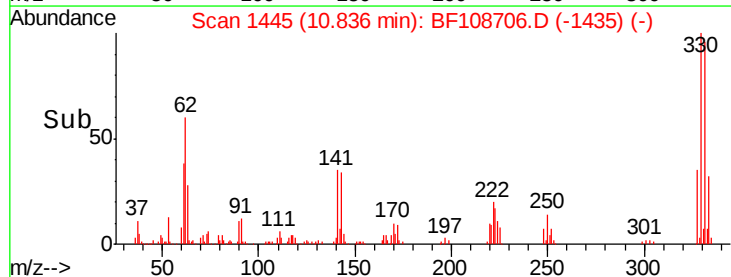
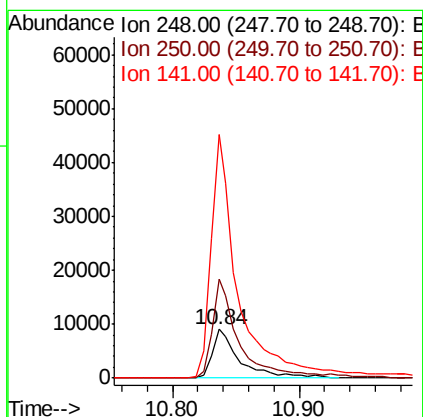
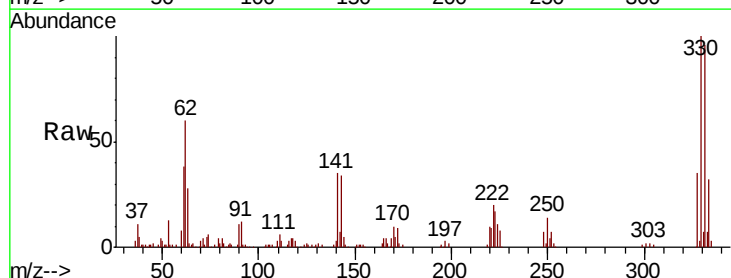
Instrument :
BNA_F
ClientSampleId :

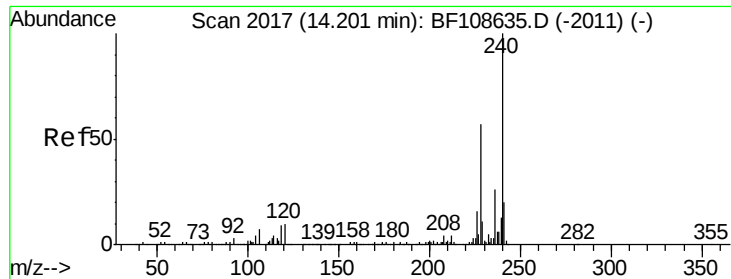
Tot Ion:188 Resp: 250672
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.4 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 4.399 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.24 min
Lab File: BF108706.D
Acq: 31 Aug 2018 22:58

Tgt Ion:248 Resp: 13554
Ion Ratio Lower Upper
248 100
250 203.6 76.9 115.3#
141 502.0 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

Instrument :

BNA_F

ClientSampleId :

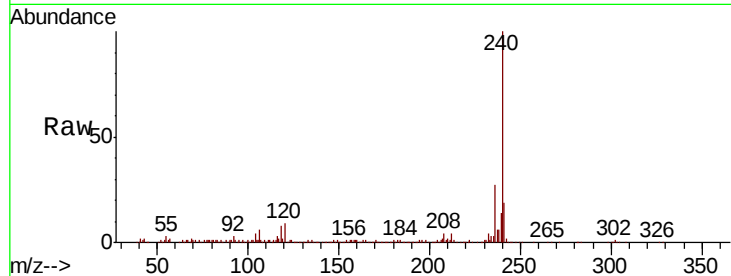
Tot Ion:240 Resp: 210568

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

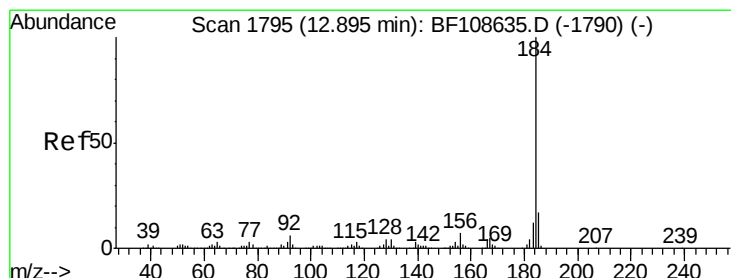
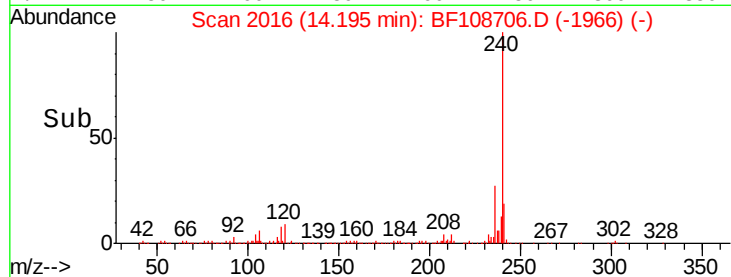
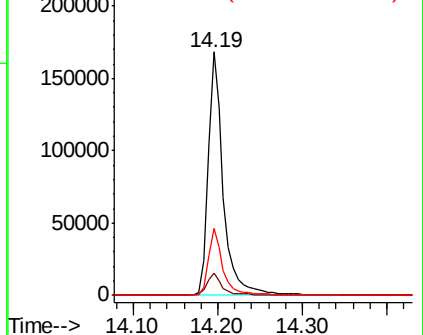
236 27.3 20.7 31.1



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



#76

Benzidine

Concen: 2.236 ng

RT: 13.12 min Scan# 1834

Delta R.T. 0.23 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

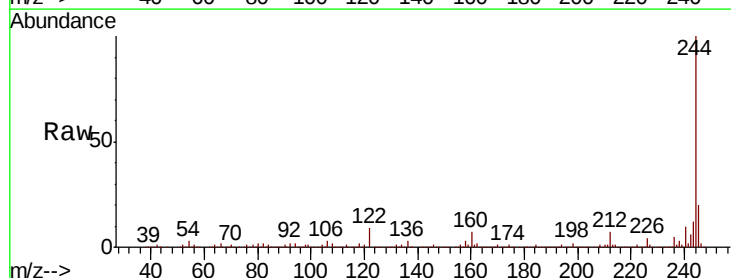
Tgt Ion:184 Resp: 13254

Ion Ratio Lower Upper

184 100

185 20.4 12.6 18.8#

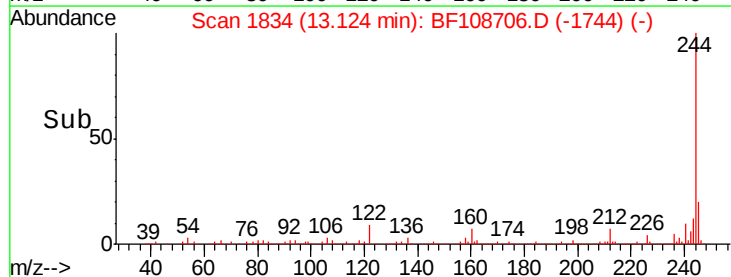
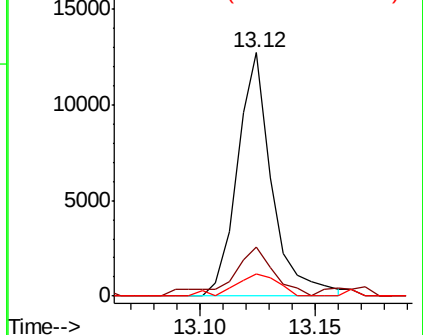
183 9.3 9.3 13.9

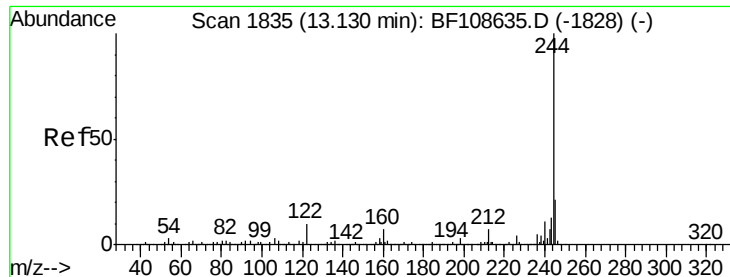


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.065 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

Instrument :

BNA_F

ClientSampleId :

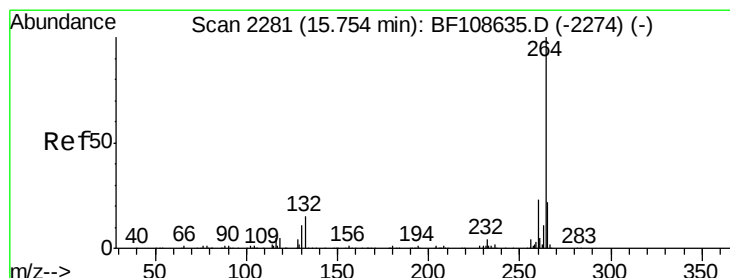
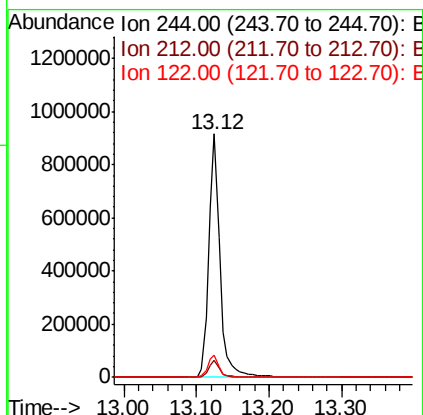
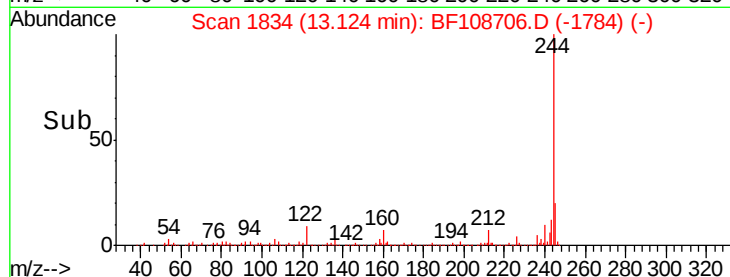
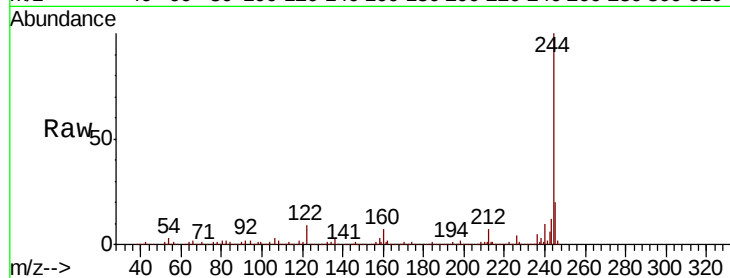
Tot Ion:244 Resp: 976079

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

122 9.1 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF108706.D

Acq: 31 Aug 2018 22:58

Tgt Ion:264 Resp: 142970

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.4 17.5 26.3

