

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108726.D
 Acq On : 1 Sep 2018 8:44
 Operator : JU/SJ
 Sample : J4729-12
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 02:02:56 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

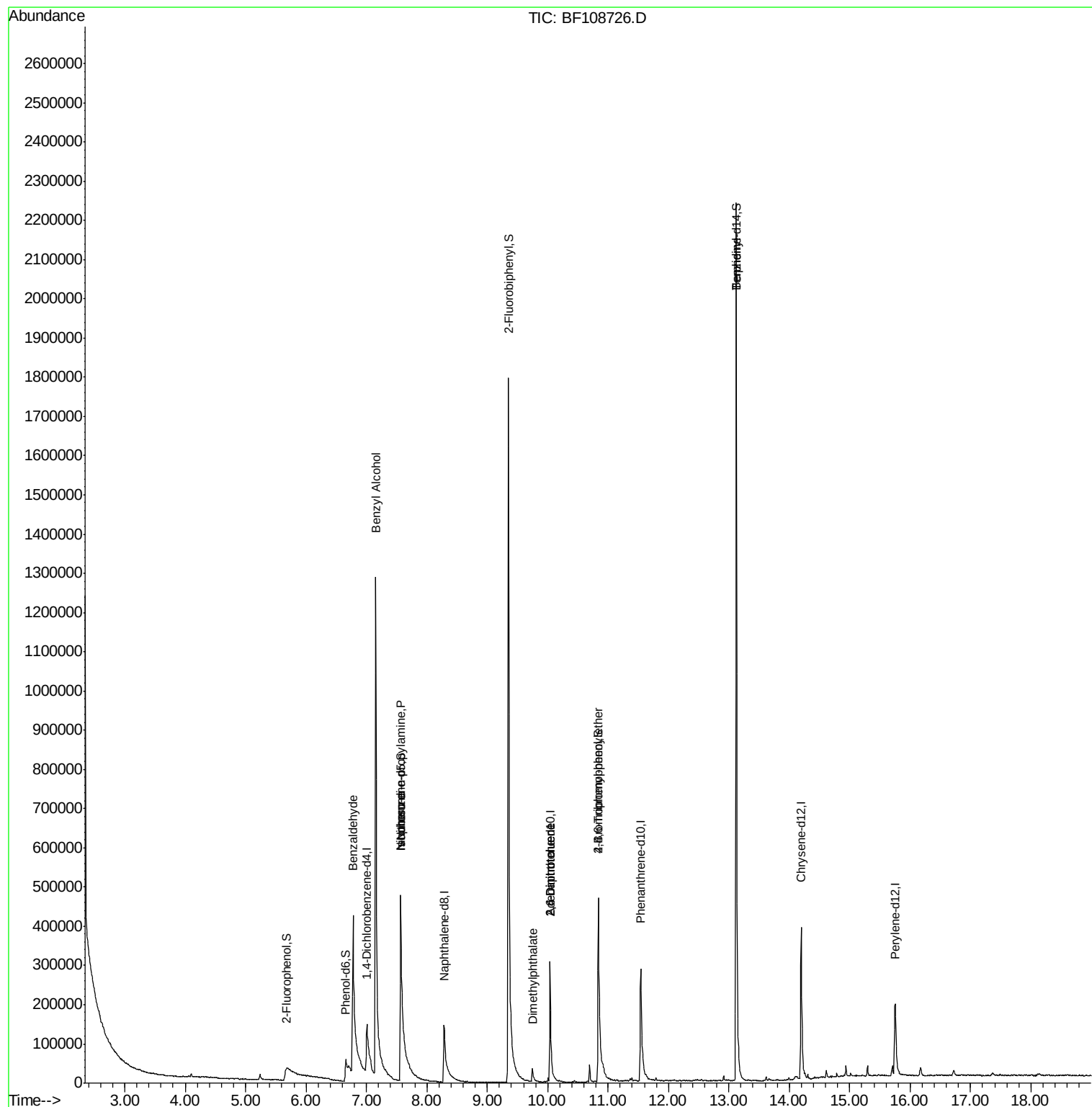
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	60760	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	240876	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	113031	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	244881	20.00	ng	0.00
75) Chrysene-d12	14.19	240	233420	20.00	ng	0.00
86) Perylene-d12	15.75	264	155431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	46152	13.20	ng	0.04
7) Phenol-d6	6.66	99	116084	23.17	ng	0.01
23) Nitrobenzene-d5	7.57	82	503035	106.00	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	127237	85.27	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	981962	116.81	ng	0.00
78) Terphenyl-d14	13.12	244	1086107	90.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.78	77	6209	2.005	ng	# 74
15) Benzyl Alcohol	7.15	79	8413	2.335	ng	# 36
19) n-Nitroso-di-n-propylamine	7.57	70	57137	17.032	ng	# 85
25) Isophorone	7.57	82	517190	65.607	ng	# 64
49) Dimethylphthalate	9.75	163	36288	4.077	ng	99
50) 2,6-Dinitrotoluene	10.04	165	13277	6.767	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	13520	5.204	ng	# 21
66) 4-Bromophenyl-phenylether	10.84	248	7800	2.592	ng	# 1
76) Benzydine	13.12	184	13817	2.103	ng	98

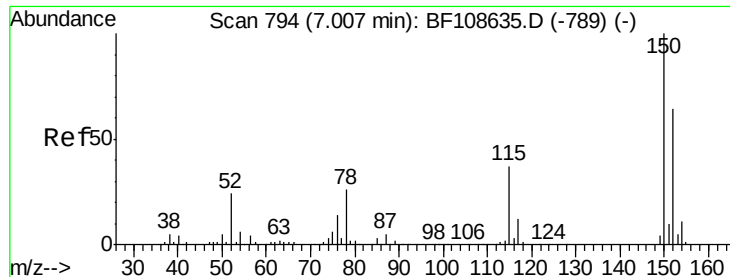
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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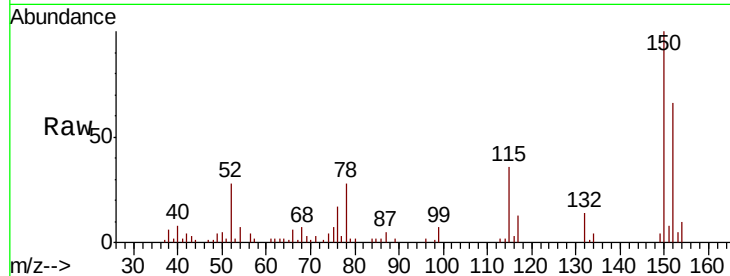


#1

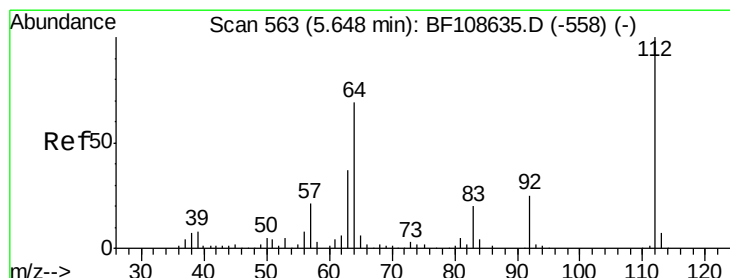
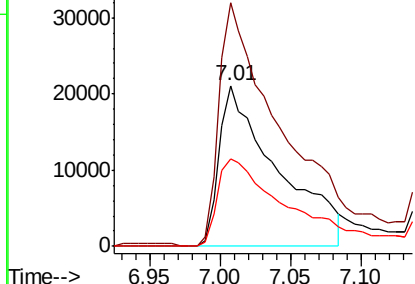
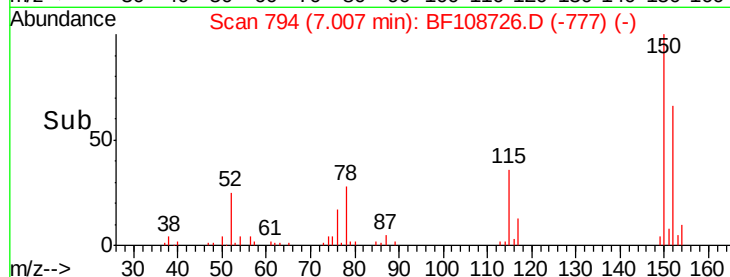
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60760
Ion Ratio Lower Upper
152 100
150 151.3 124.6 186.8
115 54.4 50.1 75.1



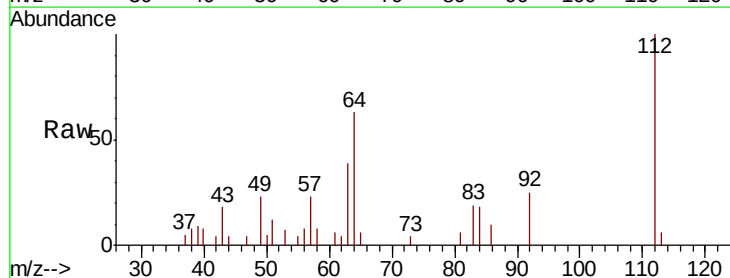
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



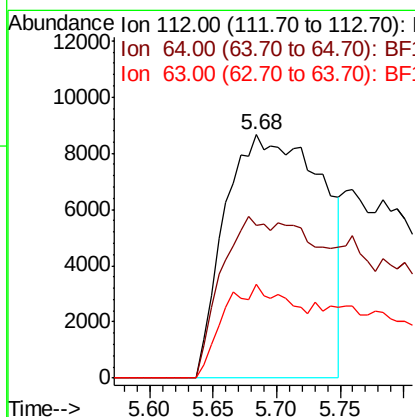
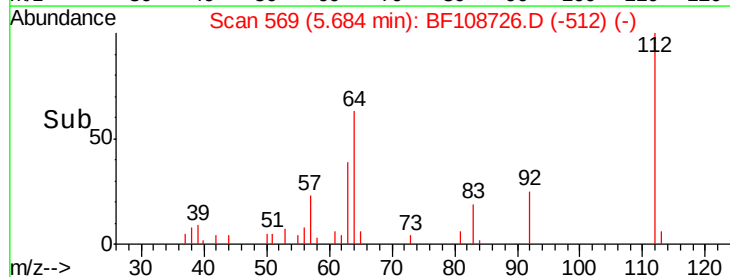
#5

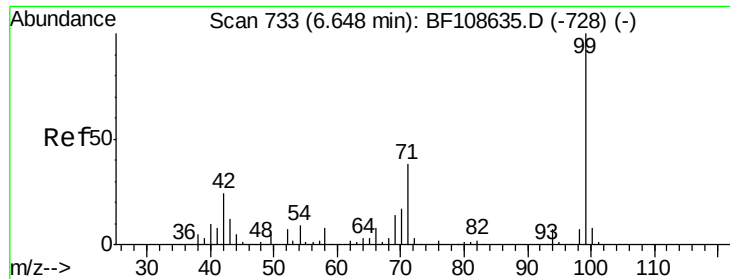
2-Fluorophenol
Concen: 13.195 ng
RT: 5.68 min Scan# 569
Delta R.T. 0.04 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Tgt Ion:112 Resp: 46152
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 38.6 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: 23.173 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

Instrument :

BNA_F

ClientSampled :

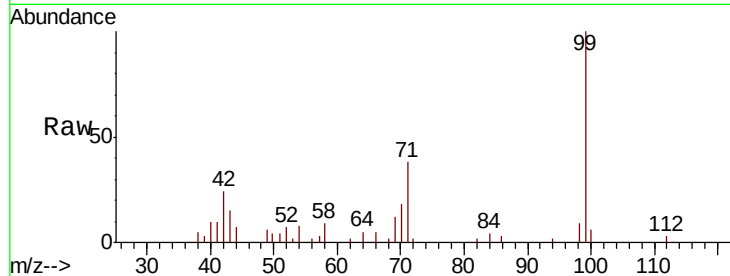
Tot Ion: 99 Resp: 116084

Ion Ratio Lower Upper

99 100

42 23.6 14.5 21.7#

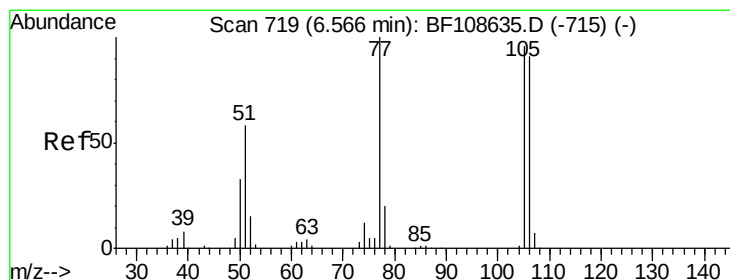
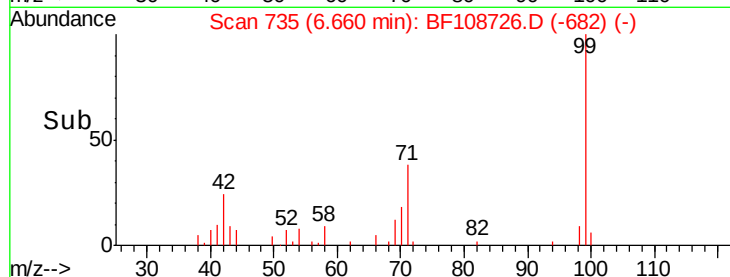
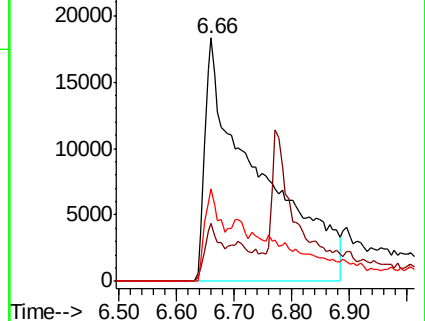
71 38.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.005 ng

RT: 6.78 min Scan# 755

Delta R.T. 0.21 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

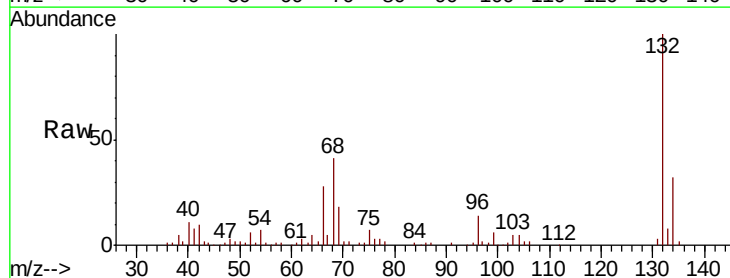
Tgt Ion: 77 Resp: 6209

Ion Ratio Lower Upper

77 100

105 76.0 81.1 121.1#

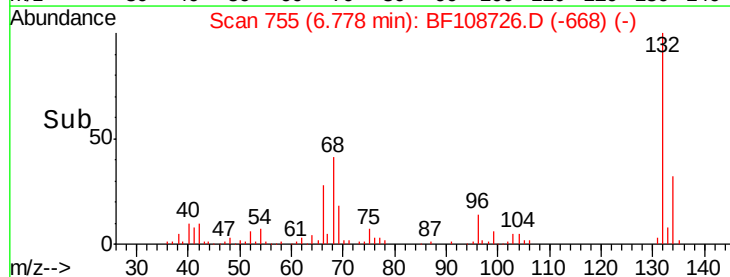
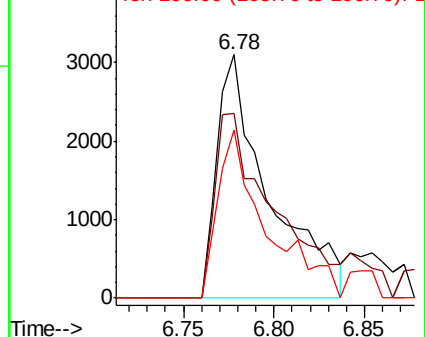
106 68.9 74.5 114.5#

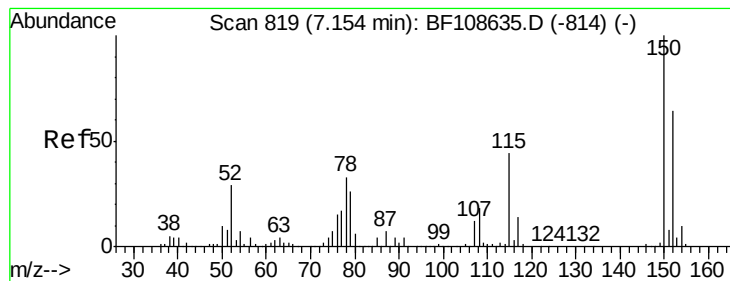


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

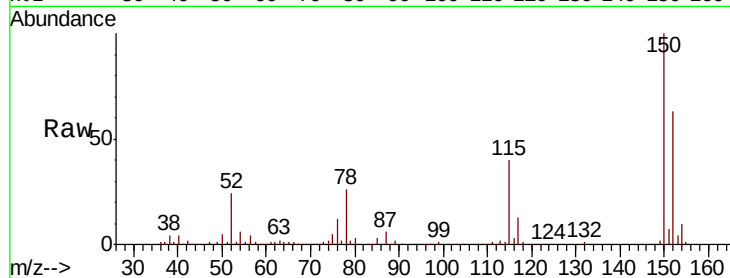




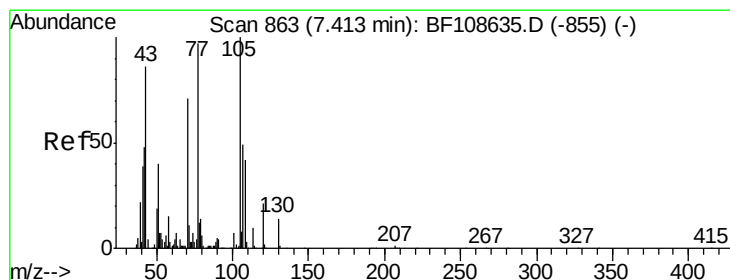
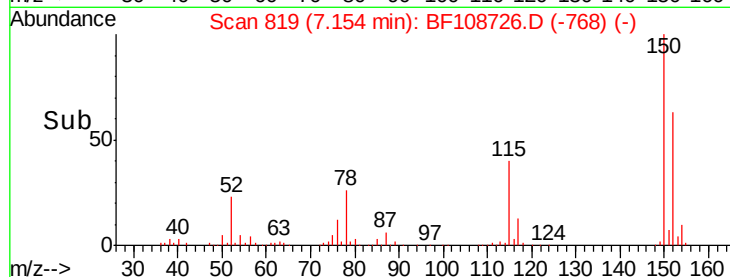
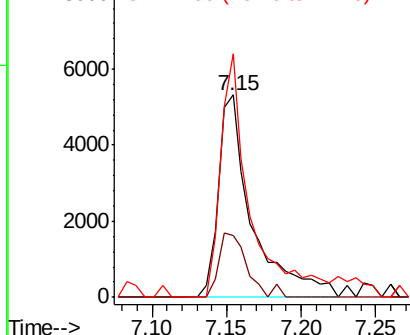
#15
Benzyl Alcohol
Concen: 2.335 ng
RT: 7.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampled :

Tot Ion: 79 Resp: 8413
Ion Ratio Lower Upper
79 100
108 30.7 65.1 97.7#
77 120.4 50.6 75.8#

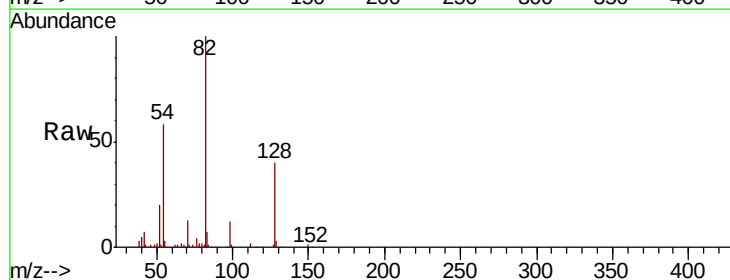


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

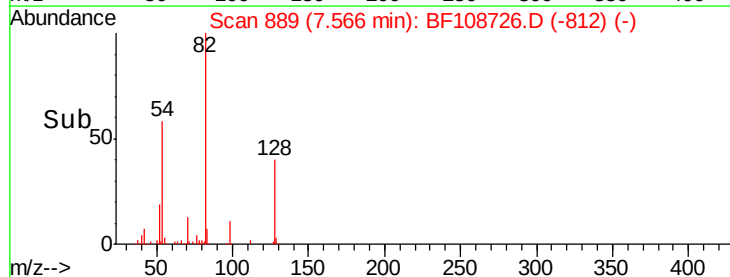
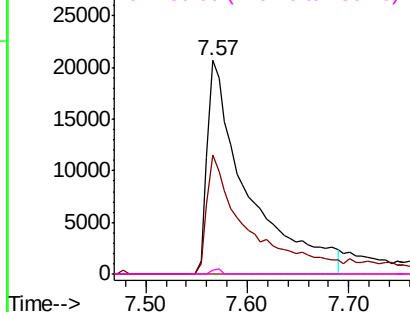


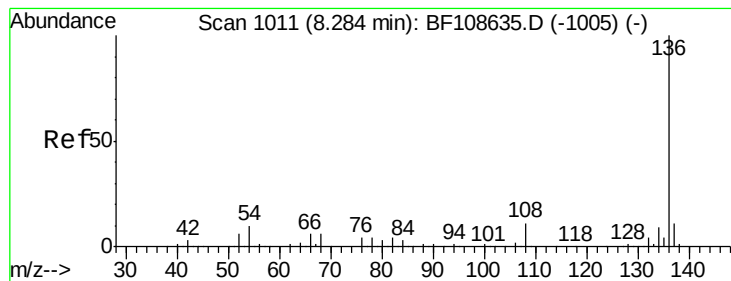
#19
n-Nitroso-di-n-propylamine
Concen: 17.032 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Tgt Ion: 70 Resp: 57137
Ion Ratio Lower Upper
70 100
42 56.0 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 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: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 240876

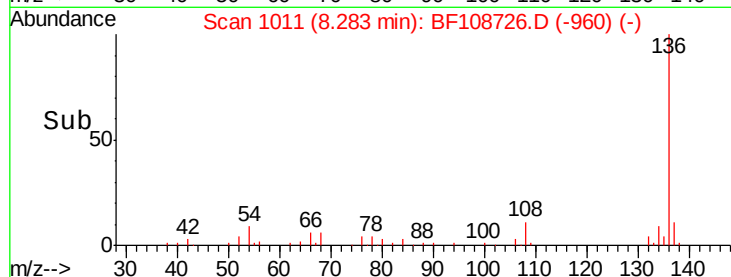
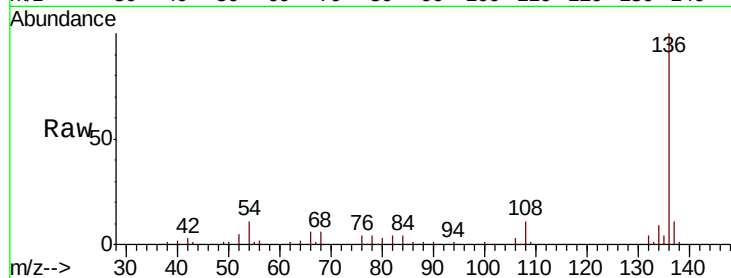
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 10.6 6.6 9.8#

68 6.0 5.0 7.4

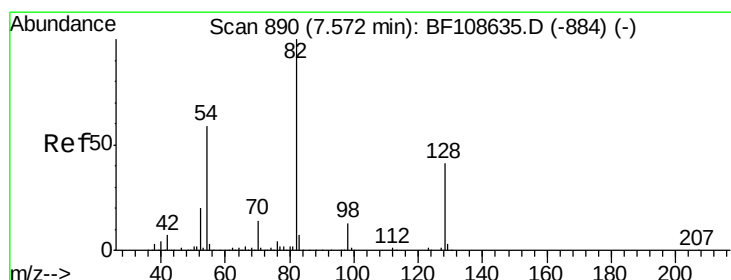
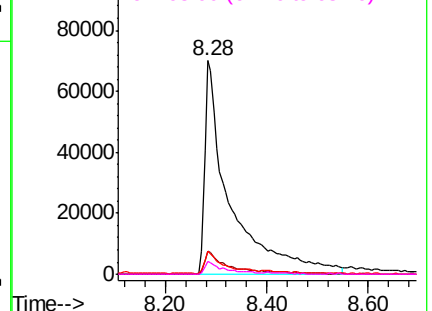


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.002 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

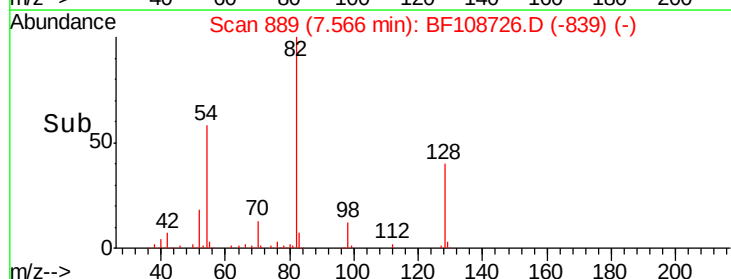
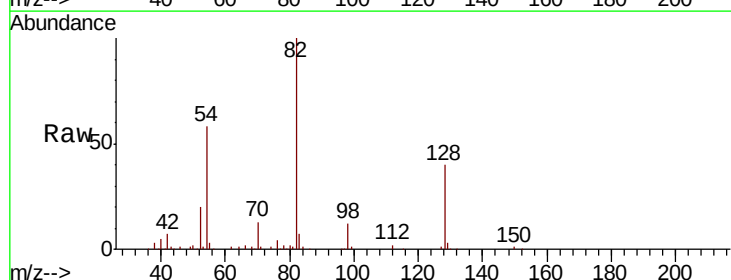
Tgt Ion: 82 Resp: 503035

Ion Ratio Lower Upper

82 100

128 39.8 36.1 54.1

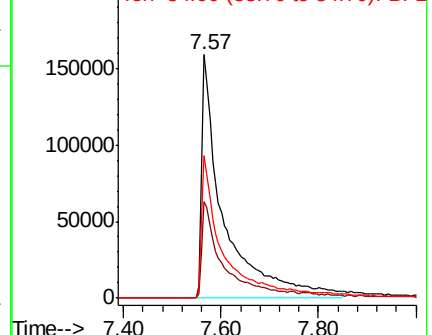
54 58.4 41.4 62.2

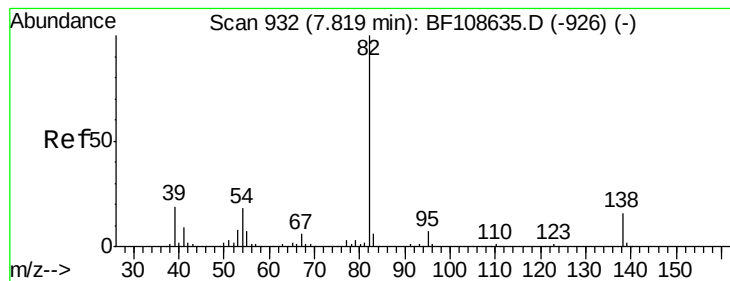


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 65.607 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

Instrument :

BNA_F

ClientSampleId :

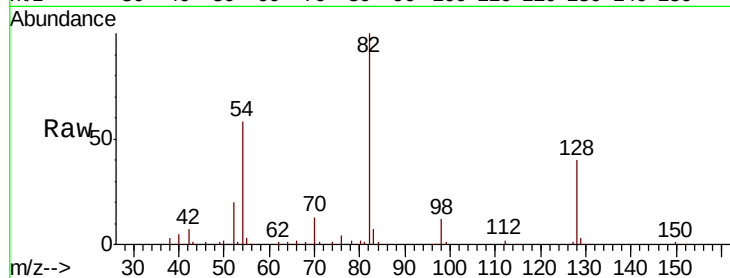
Tot Ion: 82 Resp: 517190

Ion Ratio Lower Upper

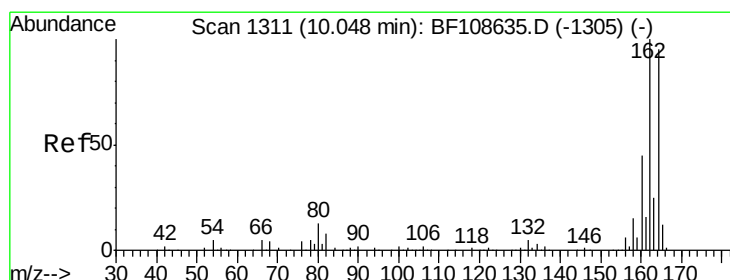
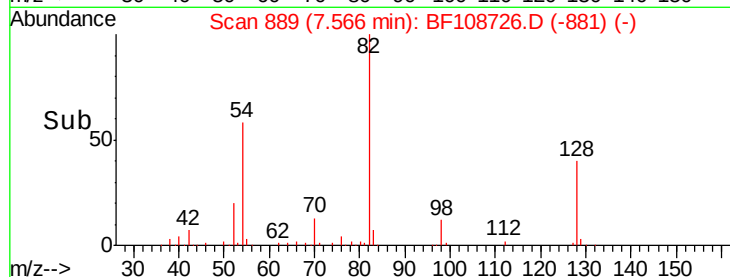
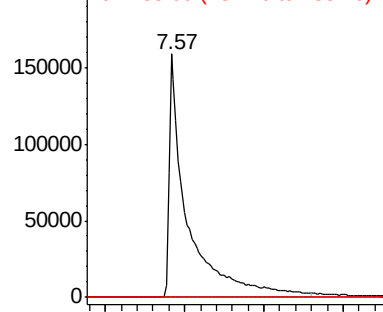
82 100

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# 1309

Delta R.T. -0.01 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

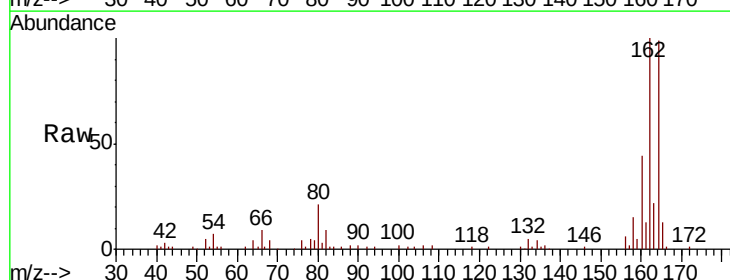
Tgt Ion:164 Resp: 113031

Ion Ratio Lower Upper

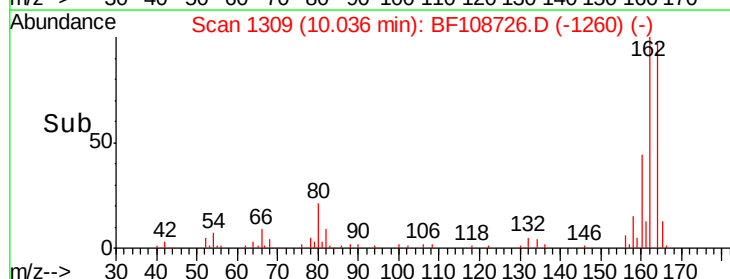
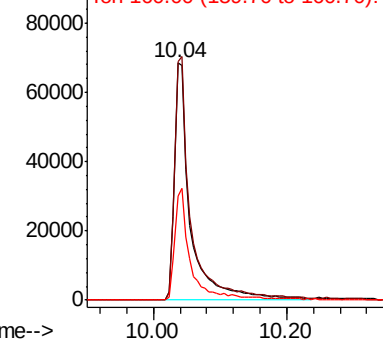
164 100

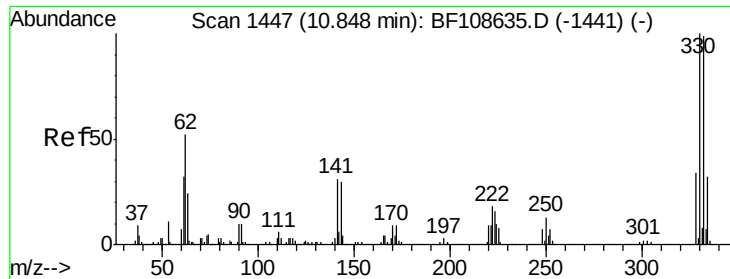
162 100.7 86.1 129.1

160 44.0 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

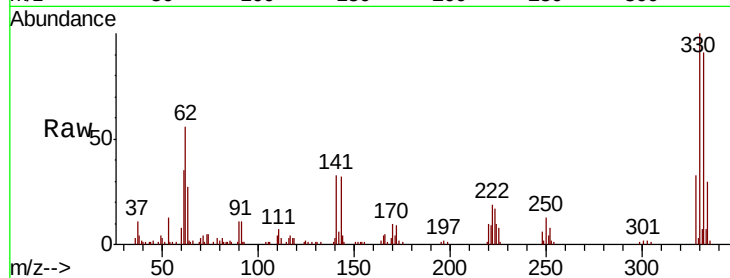




#41
 2,4,6-Tribromophenol
 Concen: 85.271 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108726.D
 Acq: 1 Sep 2018 8:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	32.4	29.9	44.9

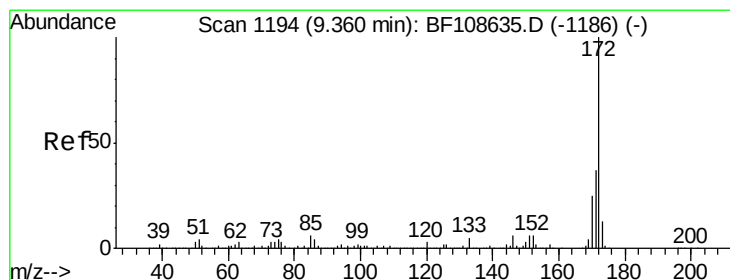
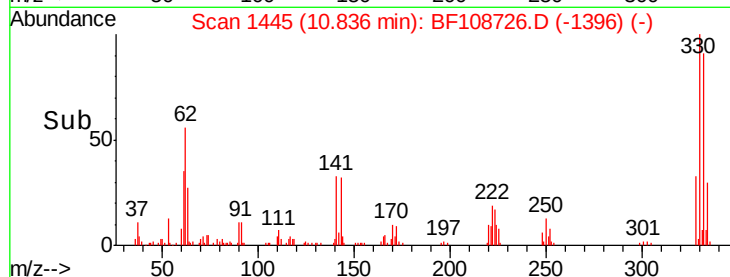
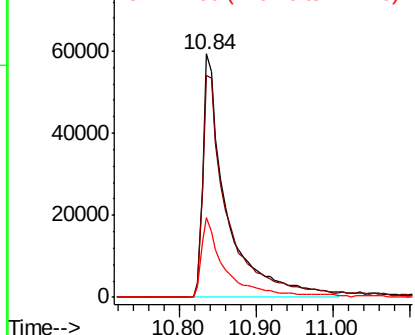


Abundance

Ion 329.80 (329.50 to 330.50): E

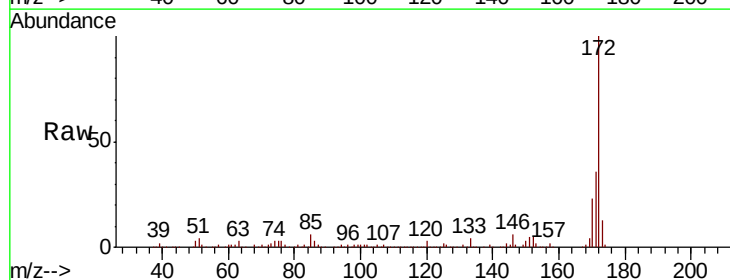
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 116.811 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108726.D
 Acq: 1 Sep 2018 8:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.4	19.6	29.4

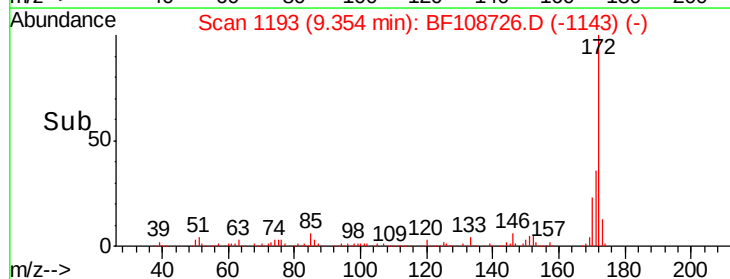
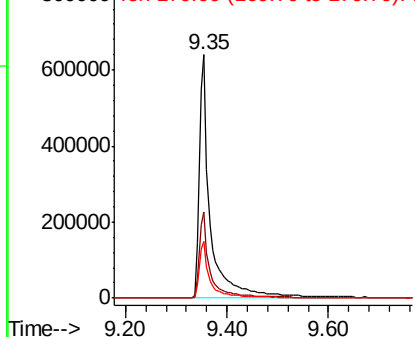


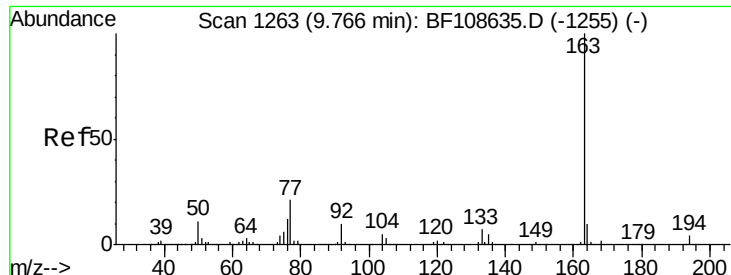
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

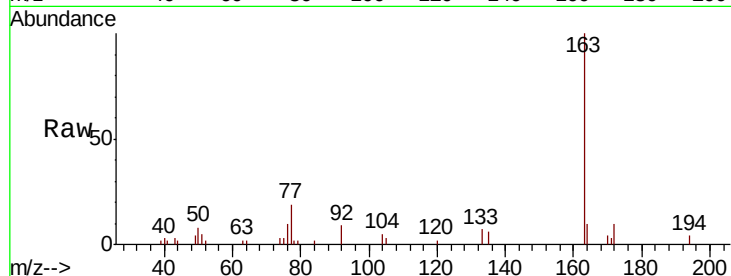




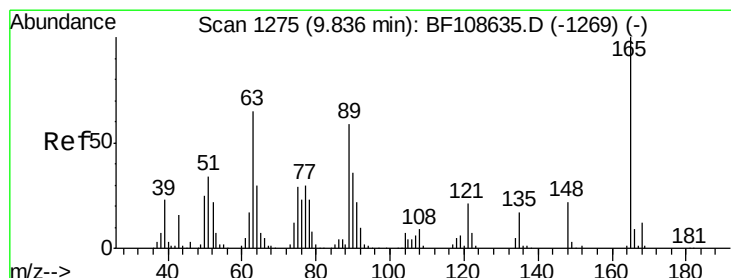
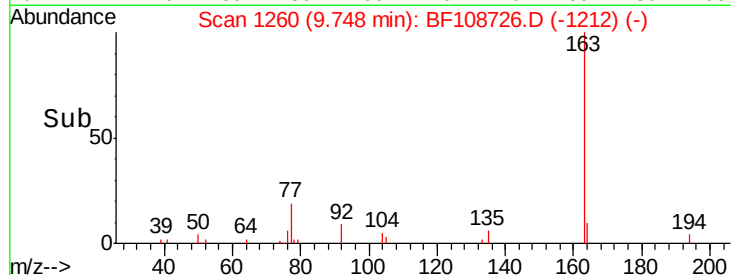
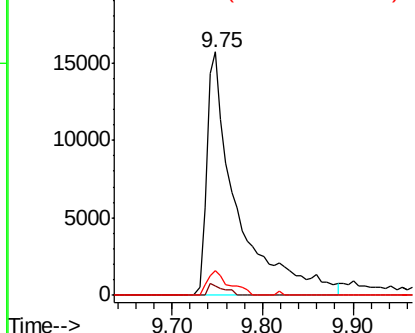
#49
Dimethylphthalate
Concen: 4.077 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 36288
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.0 8.2 12.2

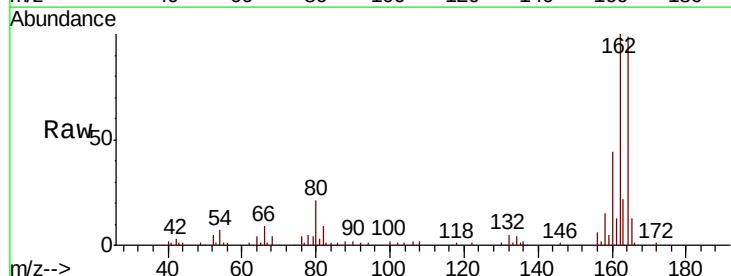


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

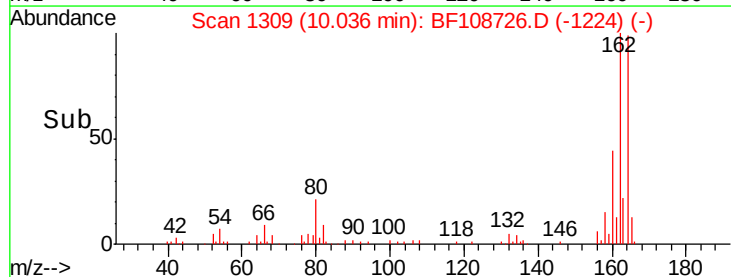
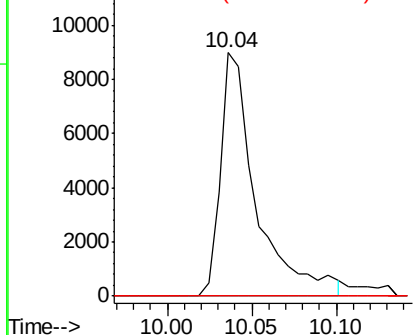


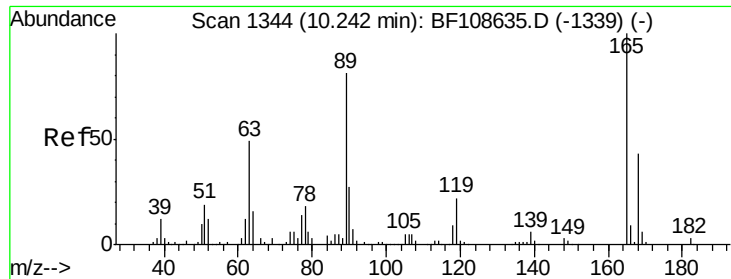
#50
2,6-Dinitrotoluene
Concen: 6.767 ng
RT: 10.04 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Tgt Ion:165 Resp: 13277
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



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

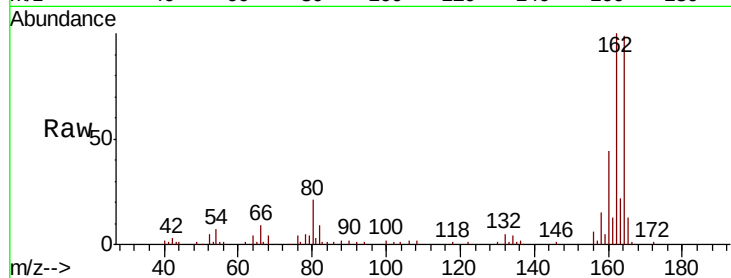




#56
2,4-Dinitrotoluene
Concen: 5.204 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.21 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampled :

Tot 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#

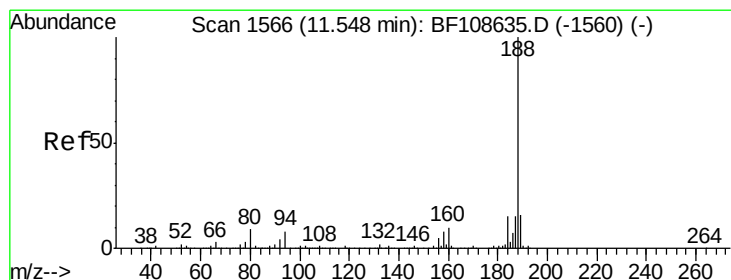
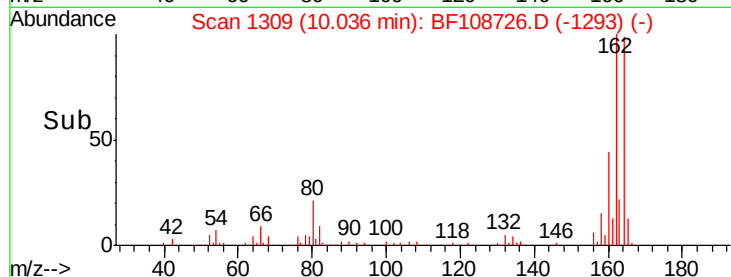
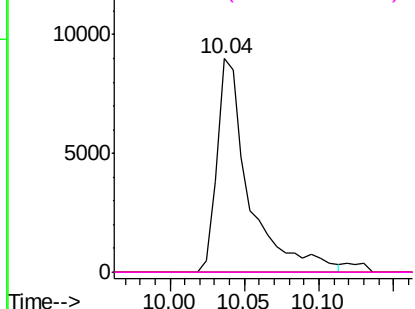


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

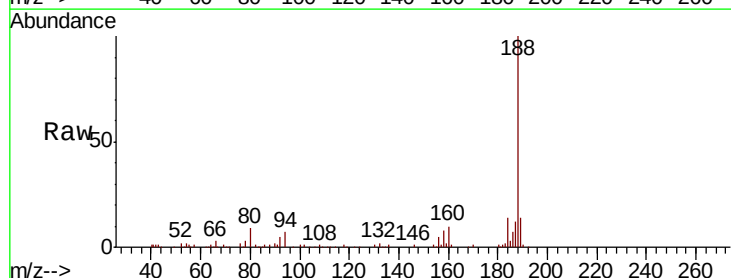
Ion 89.00 (88.70 to 89.70): BF1

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: BF108726.D
Acq: 1 Sep 2018 8:44

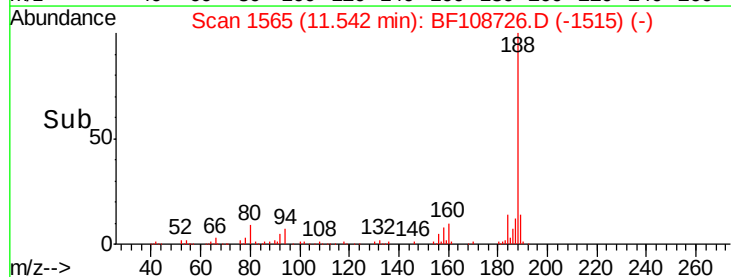
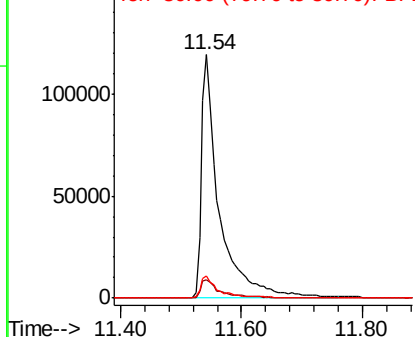
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.9	9.2	13.8#

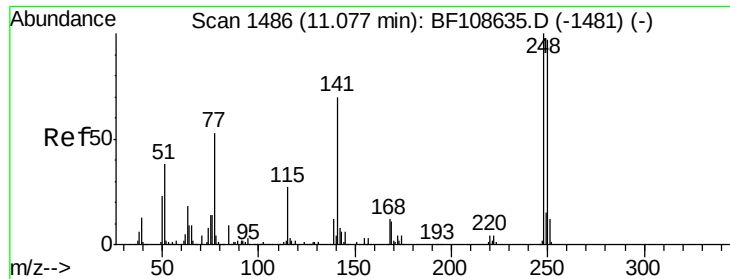


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

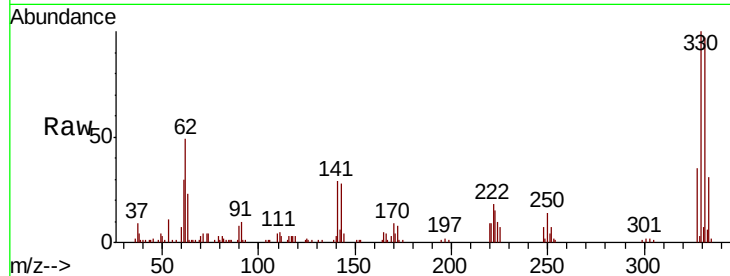




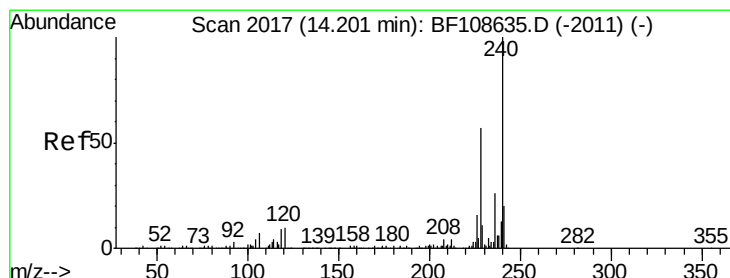
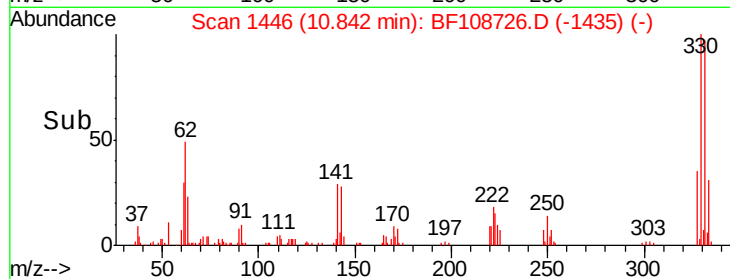
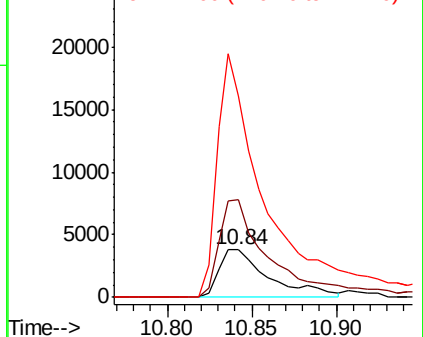
#66
4-Bromophenyl-phenylether
Concen: 2.592 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7800
Ion Ratio Lower Upper
248 100
250 205.7 76.9 115.3#
141 425.4 74.4 111.6#

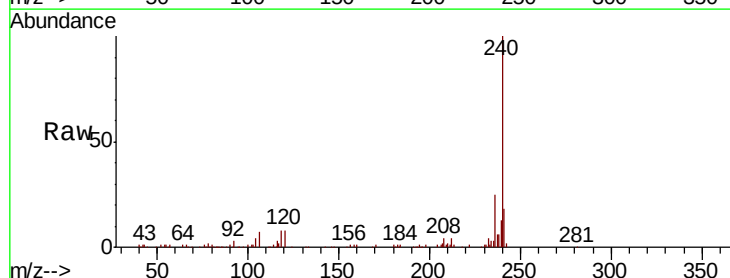


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

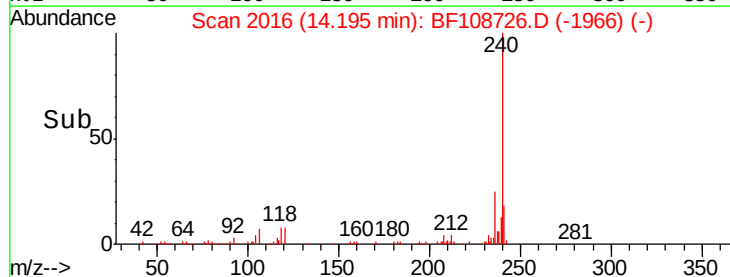
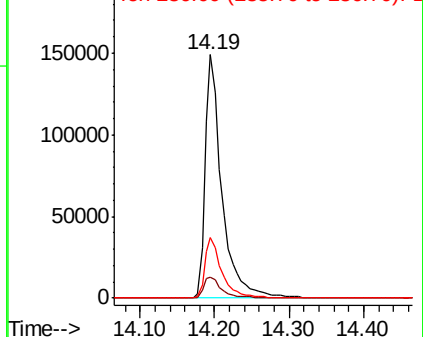


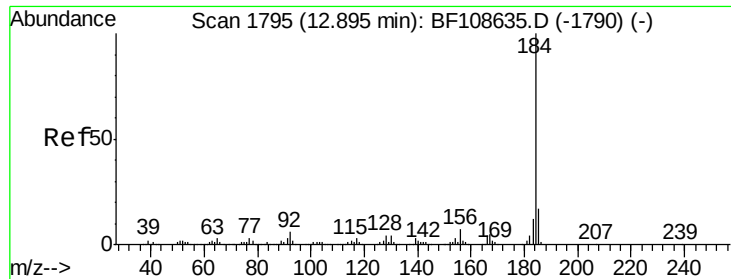
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Tgt Ion:240 Resp: 233420
Ion Ratio Lower Upper
240 100
120 8.4 9.5 14.3#
236 25.1 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





#76

Benzidine

Concen: 2.103 ng

RT: 13.12 min Scan# 1834

Delta R.T. 0.23 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

Instrument :

BNA_F

ClientSampleId :

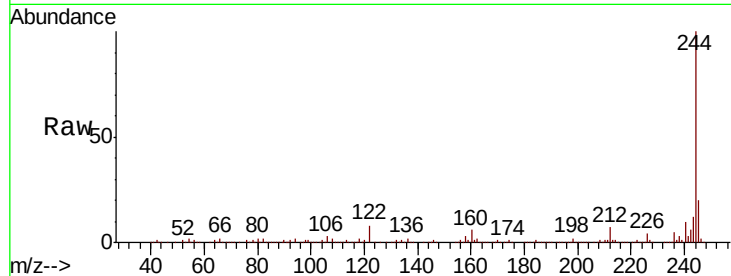
Tot Ion:184 Resp: 13817

Ion Ratio Lower Upper

184 100

185 16.0 12.6 18.8

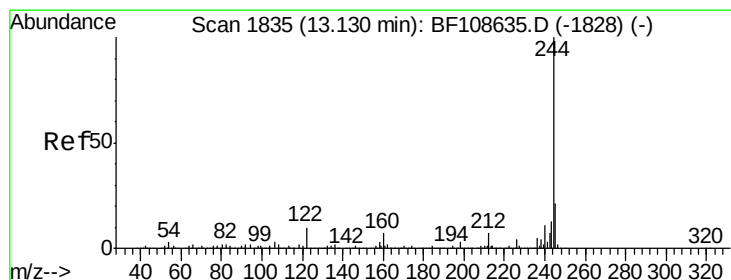
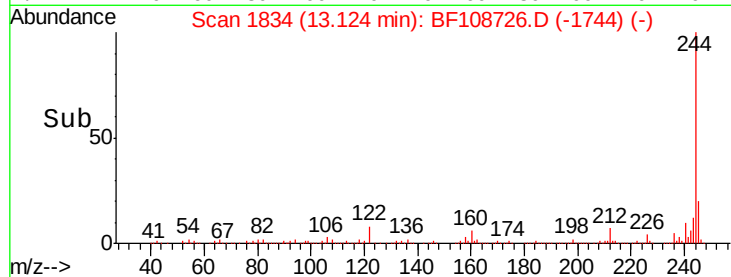
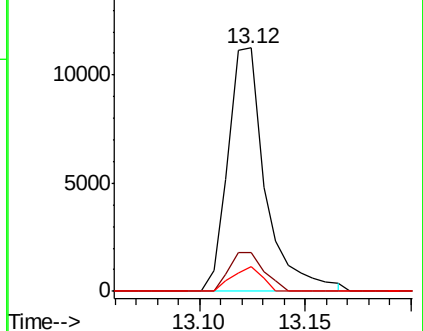
183 10.4 9.3 13.9



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: 90.406 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108726.D

Acq: 1 Sep 2018 8:44

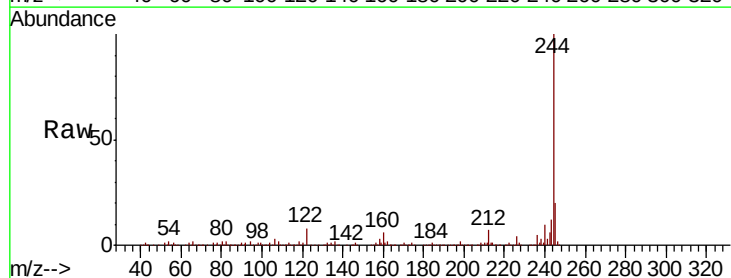
Tgt Ion:244 Resp: 1086107

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

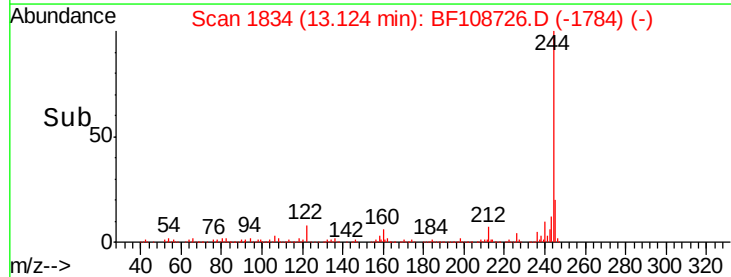
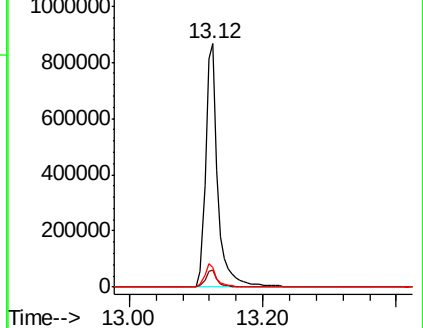
122 8.1 11.0 16.4#

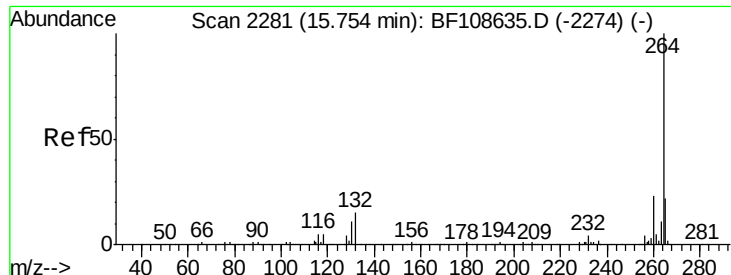


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlone-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108726.D
Acq: 1 Sep 2018 8:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.2	17.5	26.3

