

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108678.D
 Acq On : 31 Aug 2018 9:01
 Operator : JU/SJ
 Sample : J4700-16
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 10:44:10 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	82105	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	339877	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	154363	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	287549	20.00	ng	0.00
75) Chrysene-d12	14.19	240	297323	20.00	ng	-0.01
86) Perylene-d12	15.74	264	247314	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	91828	19.43	ng	0.02
7) Phenol-d6	6.65	99	125388	18.52	ng	0.00
23) Nitrobenzene-d5	7.57	82	686325	102.50	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	158304	77.68	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1310244	114.13	ng	0.00
78) Terphenyl-d14	13.12	244	1184879	77.43	ng	-0.01

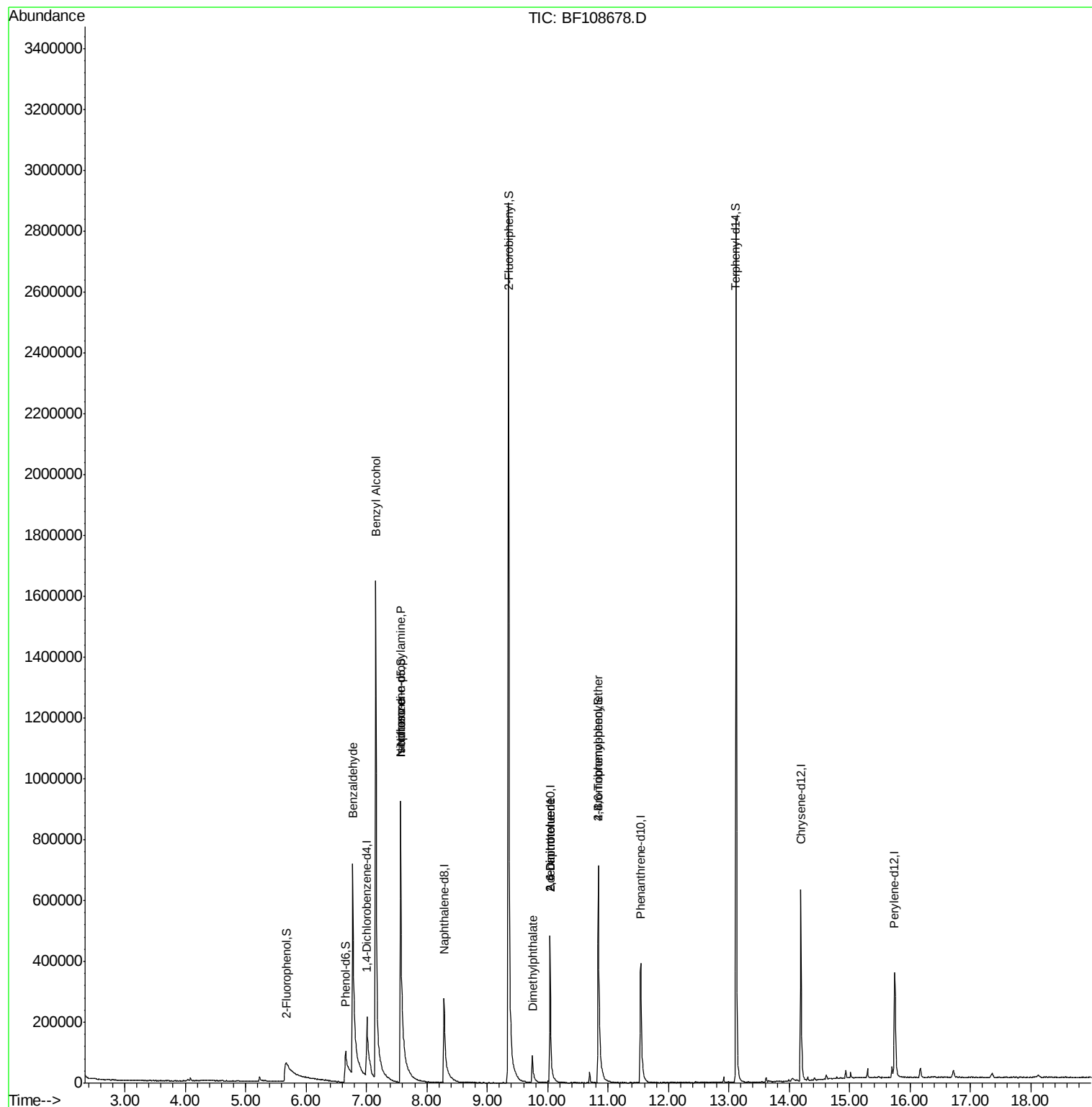
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	9240	2.208	ng	# 68
15) Benzyl Alcohol	7.15	79	11360	2.333	ng	# 41
19) n-Nitroso-di-n-propylamine	7.57	70	81657	18.013	ng	# 83
25) Isophorone	7.57	82	696087	62.580	ng	# 64
49) Dimethylphthalate	9.75	163	86351	7.104	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	18349	6.848	ng	# 24
56) 2,4-Dinitrotoluene	10.04	165	18349	5.172	ng	# 21
66) 4-Bromophenyl-phenylether	10.84	248	10153	2.873	ng	# 1

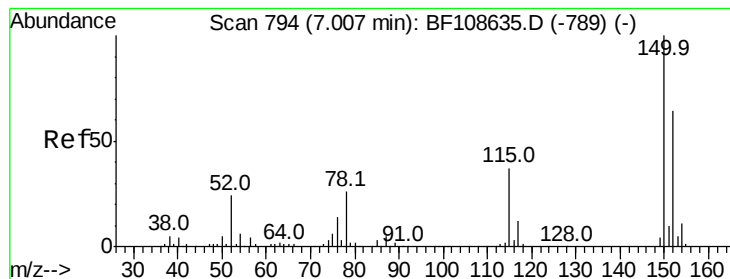
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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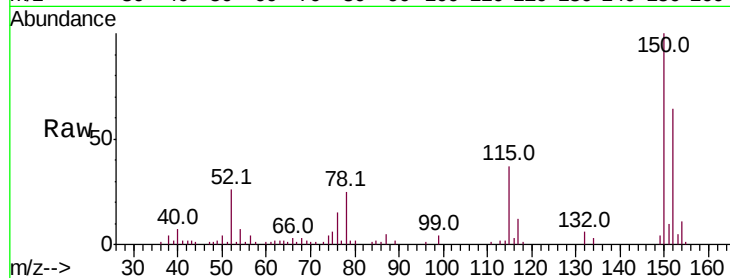


#1

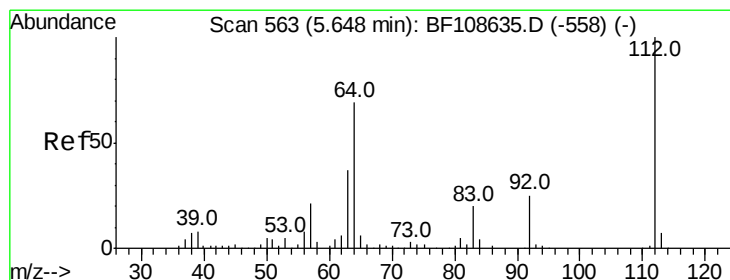
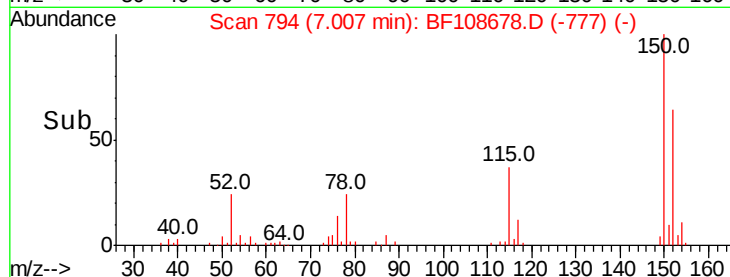
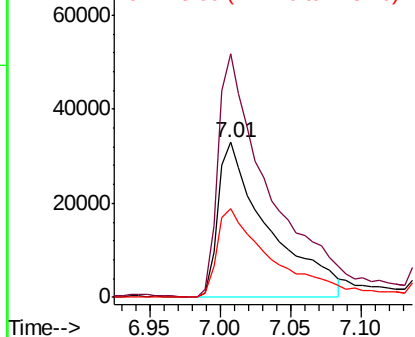
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82105
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 57.6 50.1 75.1



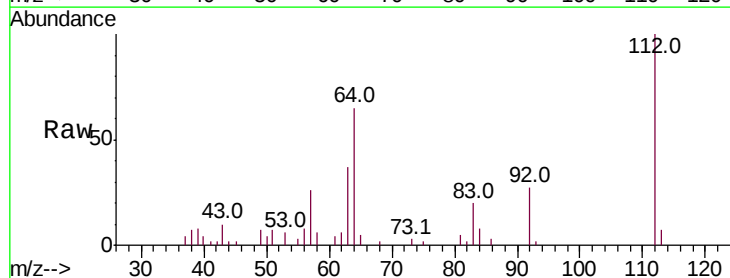
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



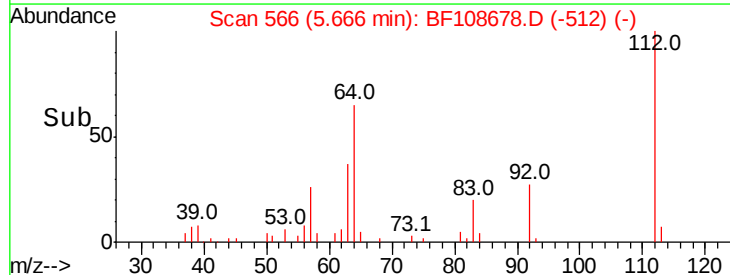
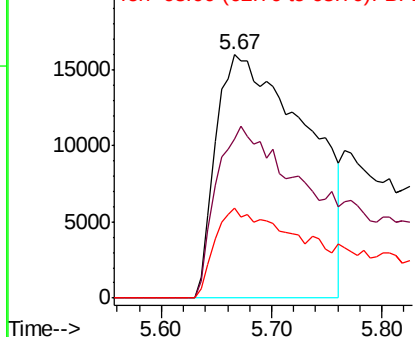
#5

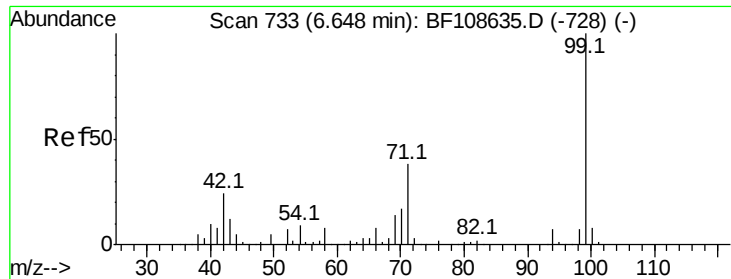
2-Fluorophenol
Concen: 19.429 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Tgt Ion:112 Resp: 91828
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 37.1 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: 18.523 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF108678.D

Acq: 31 Aug 2018 9:01

Instrument :

BNA_F

ClientSampleId :

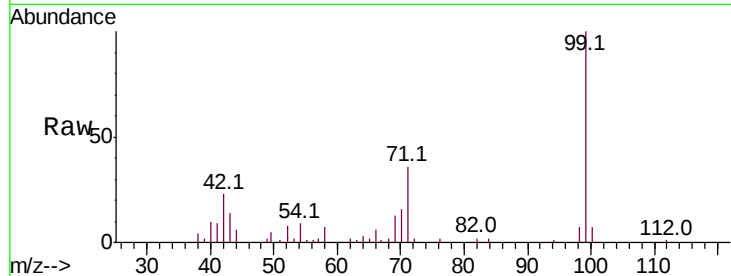
Tot Ion: 99 Resp: 125388

Ion Ratio Lower Upper

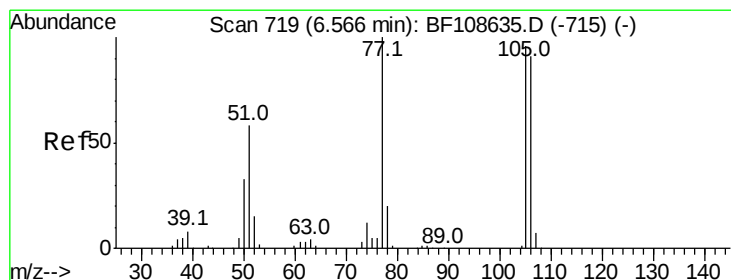
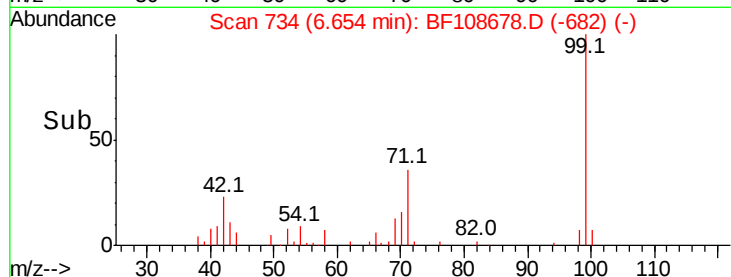
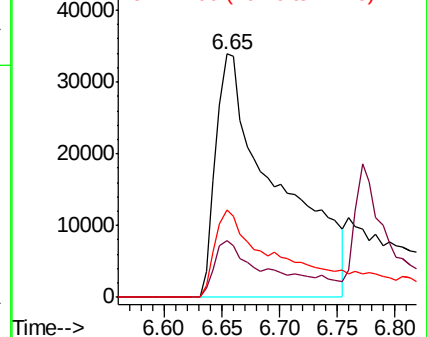
99 100

42 23.2 14.5 21.7#

71 36.0 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: 2.208 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108678.D

Acq: 31 Aug 2018 9:01

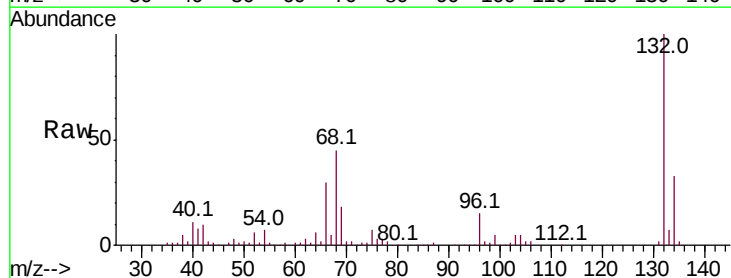
Tgt Ion: 77 Resp: 9240

Ion Ratio Lower Upper

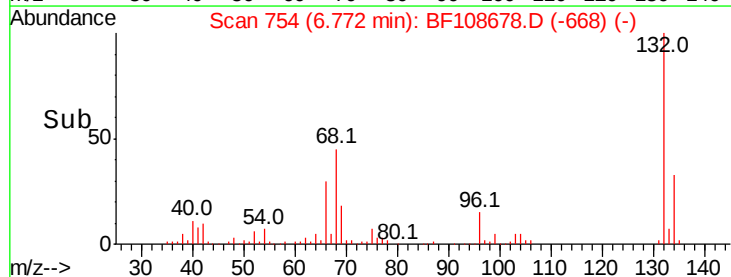
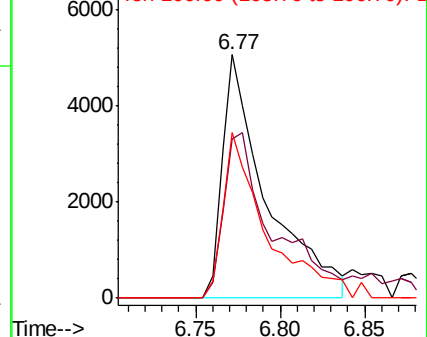
77 100

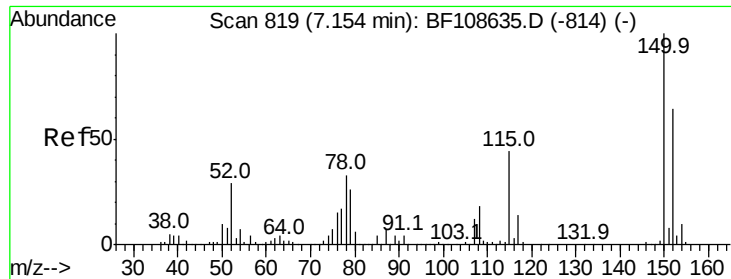
105 65.3 81.1 121.1#

106 68.0 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

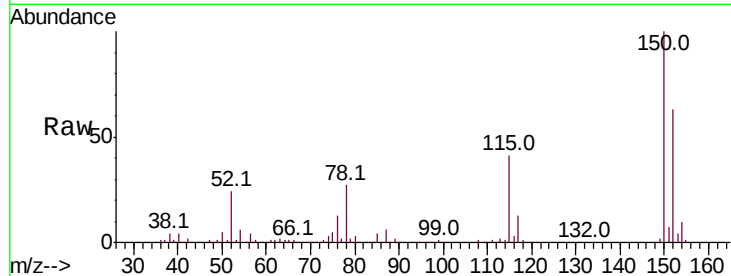




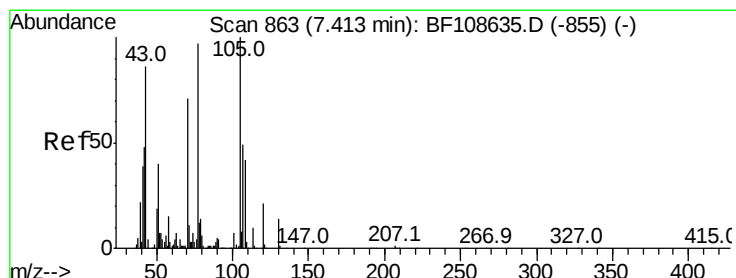
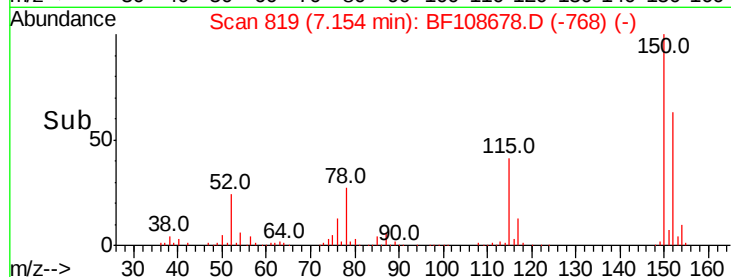
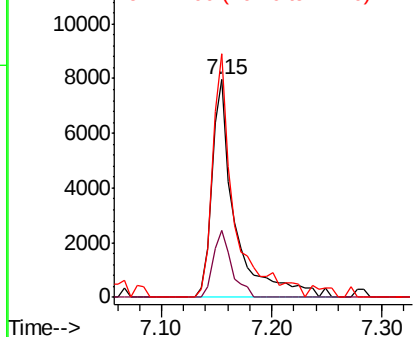
#15
Benzyl Alcohol
Concen: 2.333 ng
RT: 7.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Instrument :
BNA_F
ClientSampled :

Tot Ion: 79 Resp: 11360
Ion Ratio Lower Upper
79 100
108 30.8 65.1 97.7#
77 111.8 50.6 75.8#

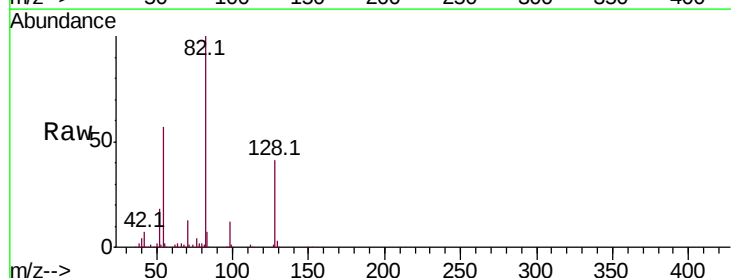


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

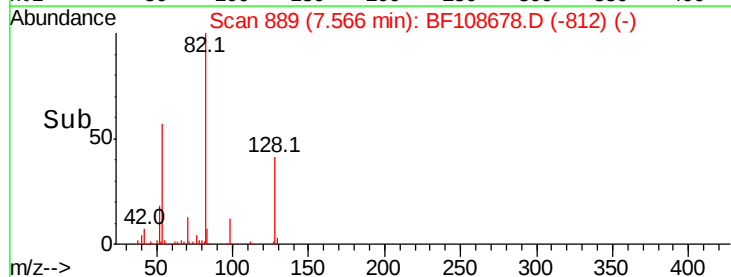
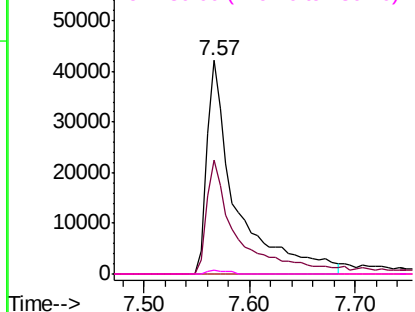


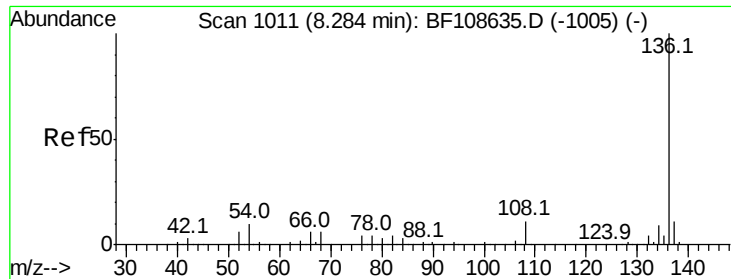
#19
n-Nitroso-di-n-propylamine
Concen: 18.013 ng
RT: 7.57 min Scan# 889
Delta R.T. 0.15 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Tgt Ion: 70 Resp: 81657
Ion Ratio Lower Upper
70 100
42 53.6 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

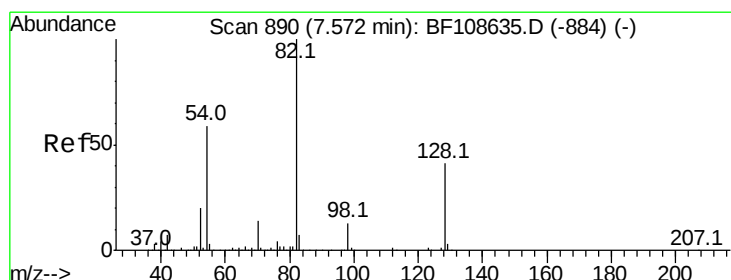
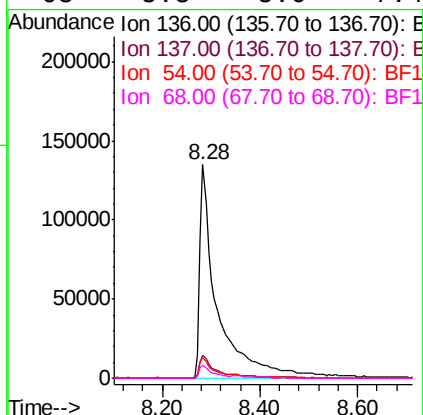
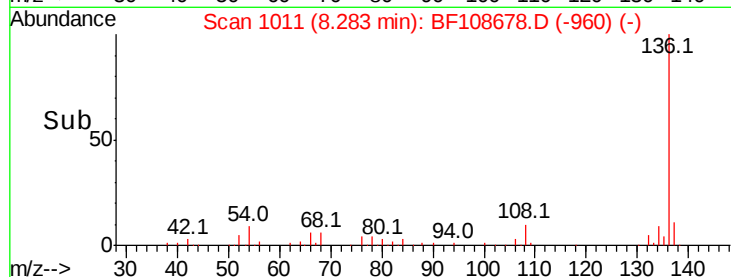
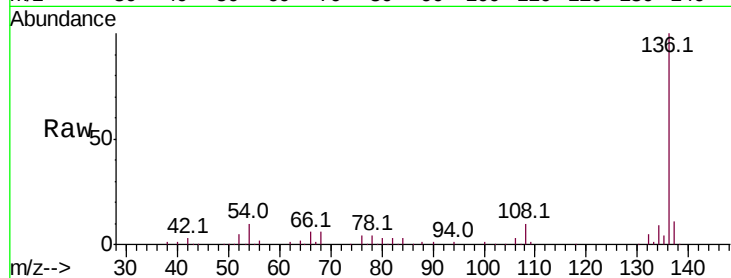




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

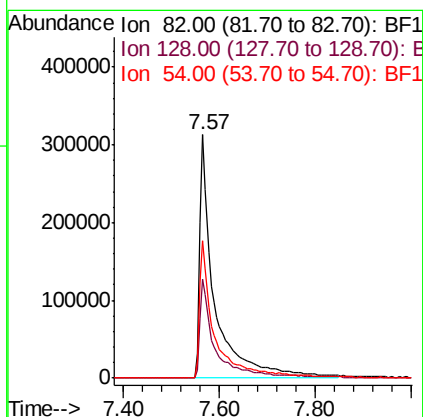
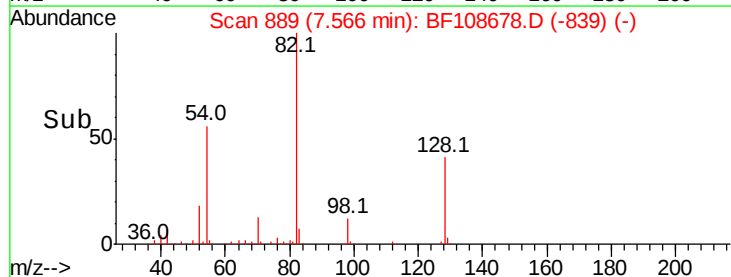
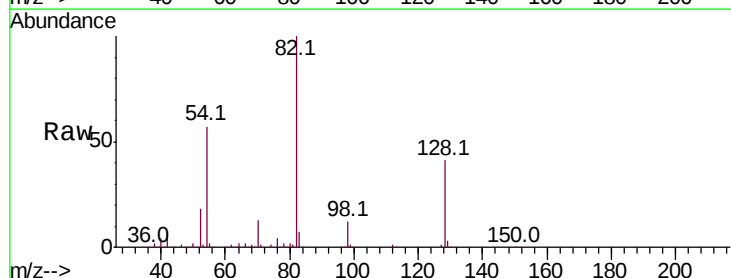
Instrument :
BNA_F
ClientSampleId :

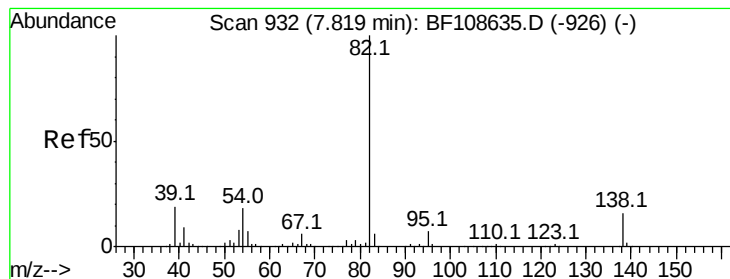
Tot Ion:136	Resp:	339877
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.6	6.6 9.8
68	5.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 102.499 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Tgt Ion: 82	Resp:	686325
Ion Ratio	Lower	Upper
82	100	
128	40.5	36.1 54.1
54	56.7	41.4 62.2





#25

Isophorone

Concen: 62.580 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108678.D

Acq: 31 Aug 2018 9:01

Instrument :

BNA_F

ClientSampleId :

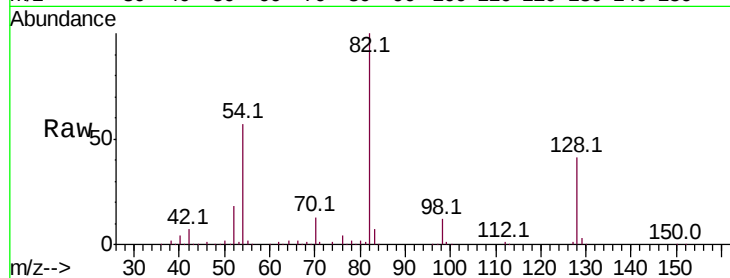
Tot Ion: 82 Resp: 696087

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

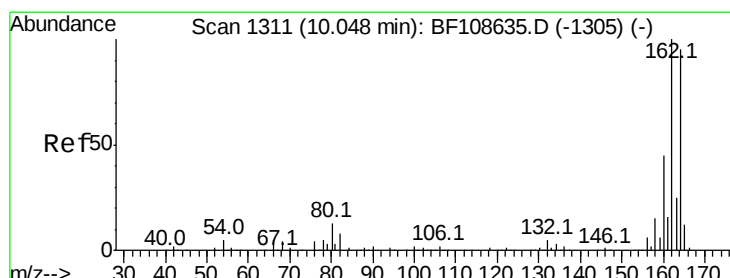
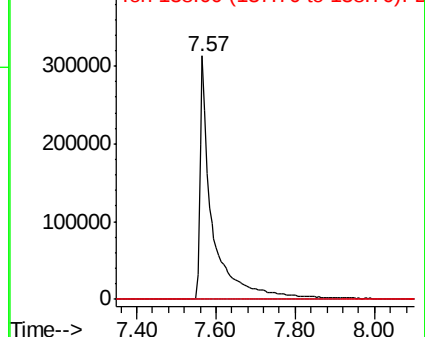
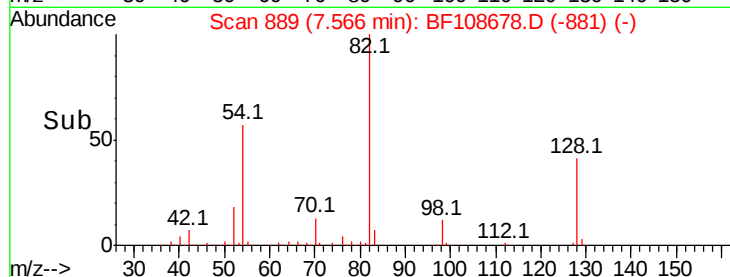
138 0.0 14.9 22.3#



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: BF108678.D

Acq: 31 Aug 2018 9:01

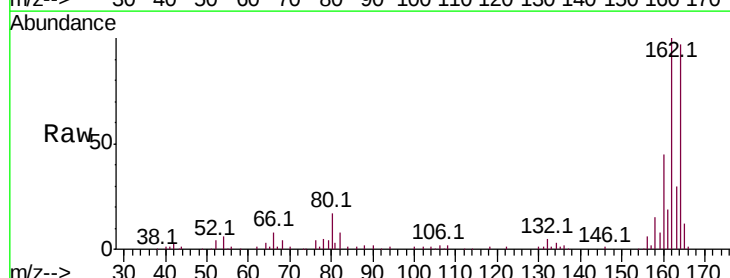
Tgt Ion: 164 Resp: 154363

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

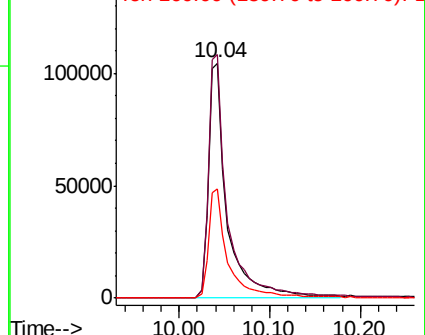
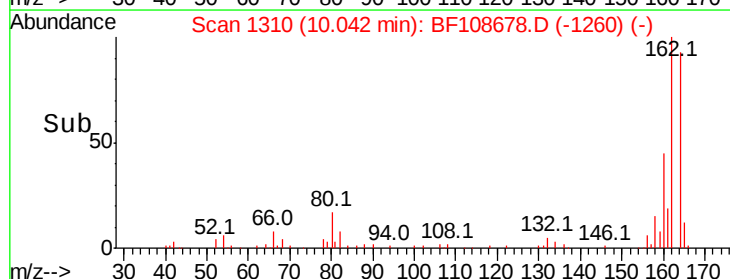
160 46.4 38.3 57.5

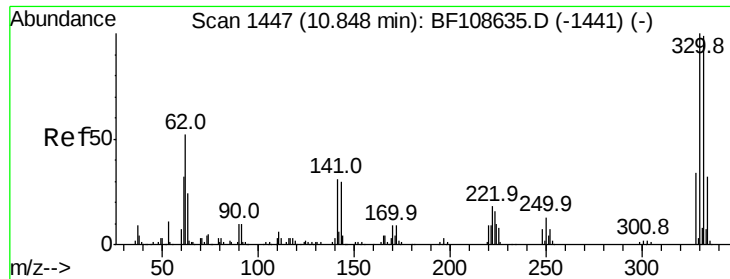


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

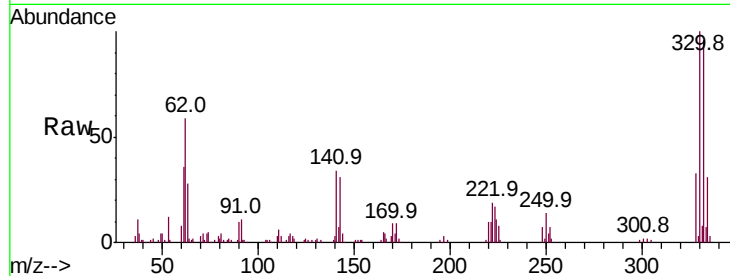




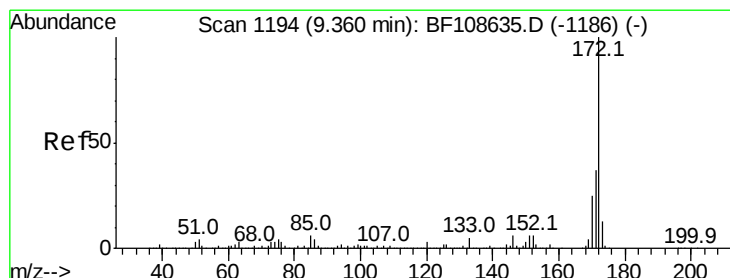
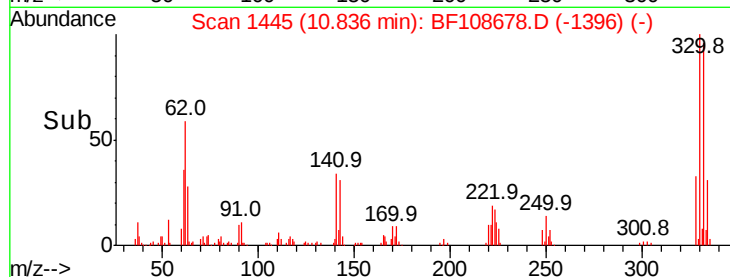
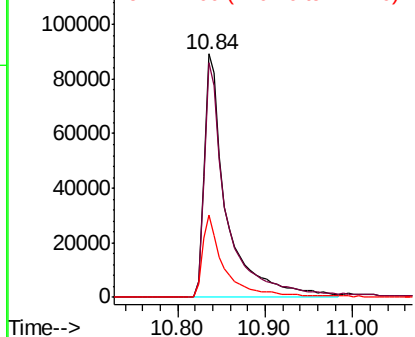
#41
 2,4,6-Tribromophenol
 Concen: 77.685 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108678.D
 Acq: 31 Aug 2018 9:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.6
141	32.7	29.9	44.9

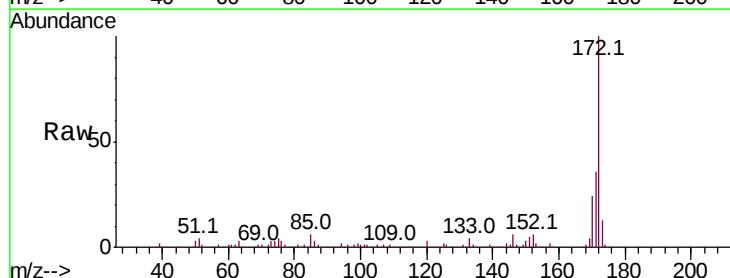


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

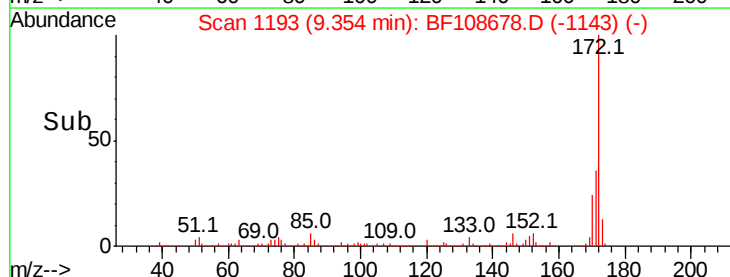
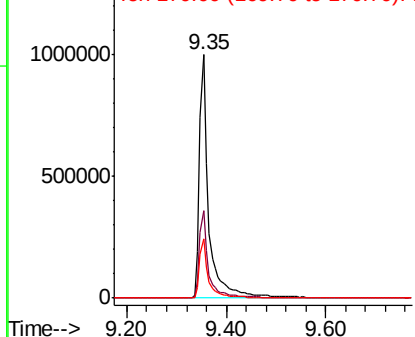


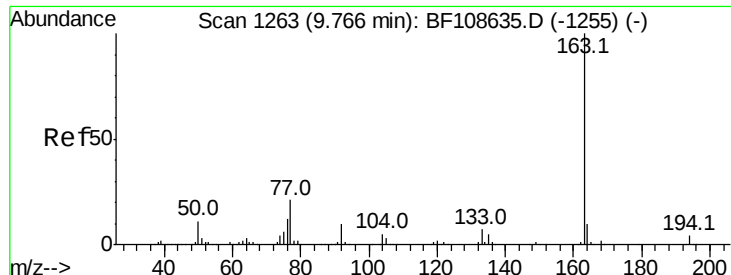
#44
 2-Fluorobiphenyl
 Concen: 114.129 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108678.D
 Acq: 31 Aug 2018 9:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.5	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

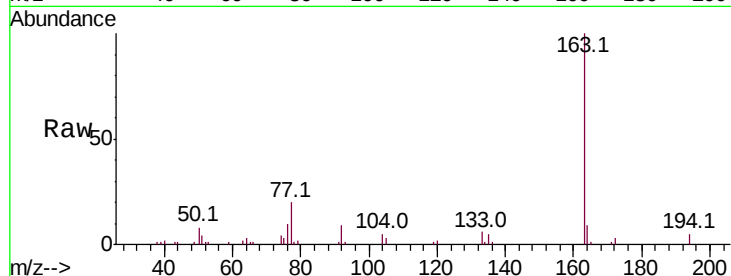




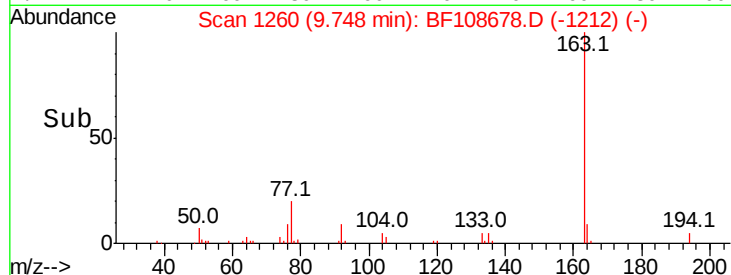
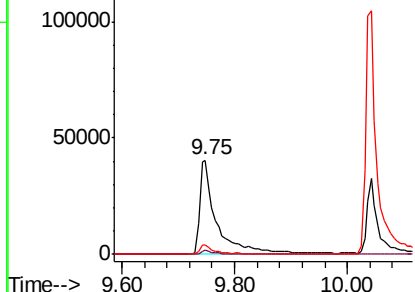
#49
Dimethylphthalate
Concen: 7.104 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 86351
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 9.5 8.2 12.2

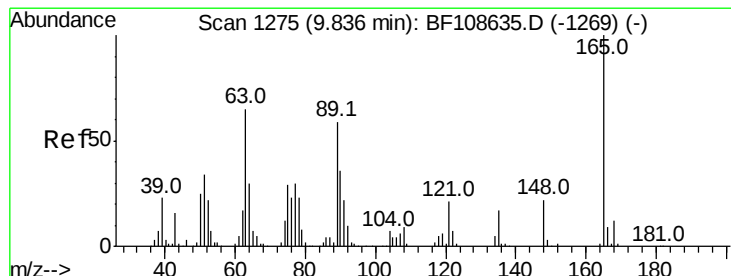


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

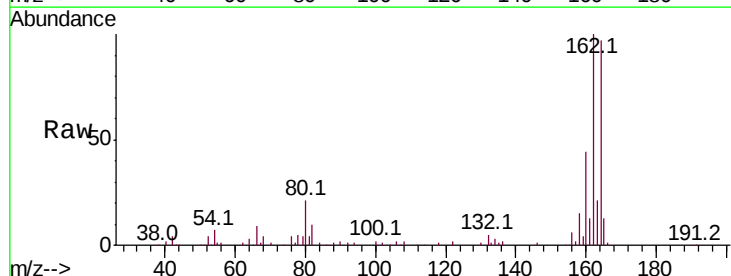
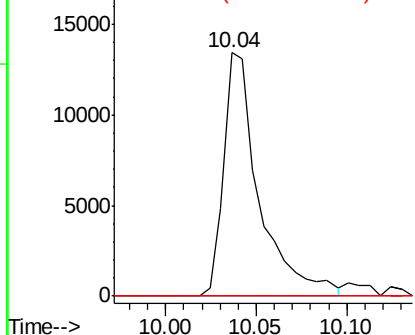


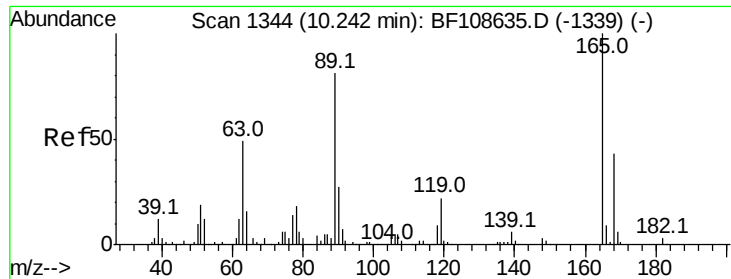
#50
2,6-Dinitrotoluene
Concen: 6.848 ng
RT: 10.04 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Tgt Ion:165 Resp: 18349
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

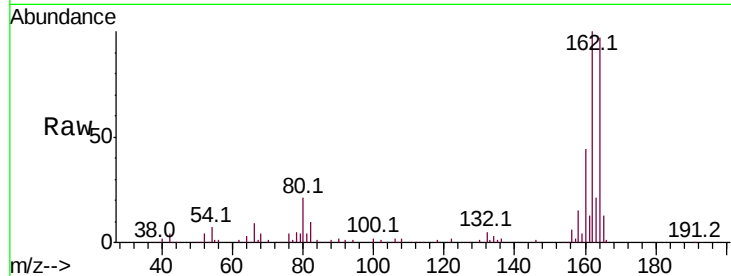




#56
2,4-Dinitrotoluene
Concen: 5.172 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.21 min
Lab File: BF108678.D
Acq: 31 Aug 2018 9:01

Instrument :
BNA_F
ClientSampleId :

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#



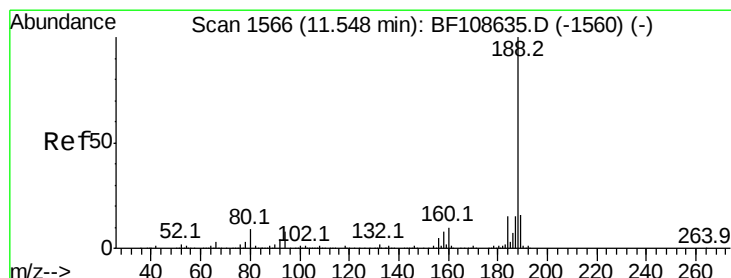
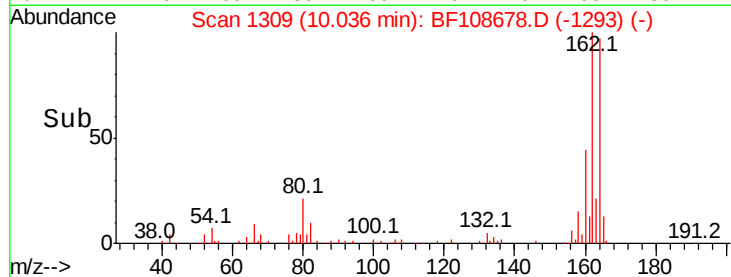
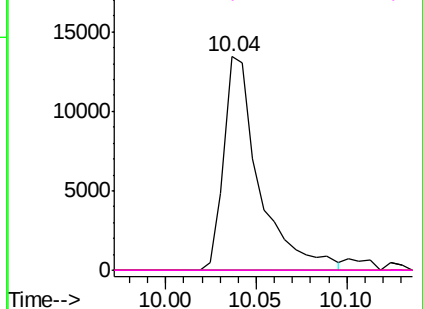
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

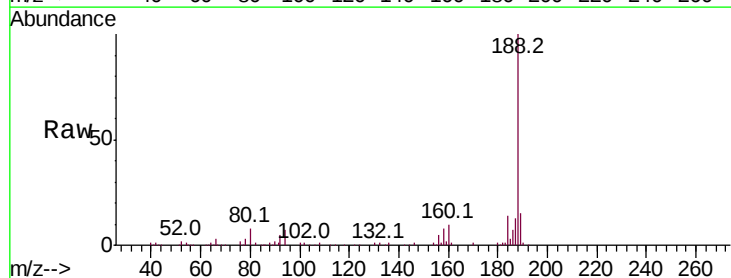
Ion 89.00 (88.70 to 89.70): BF1

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: BF108678.D
Acq: 31 Aug 2018 9:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	8.3	9.2	13.8#

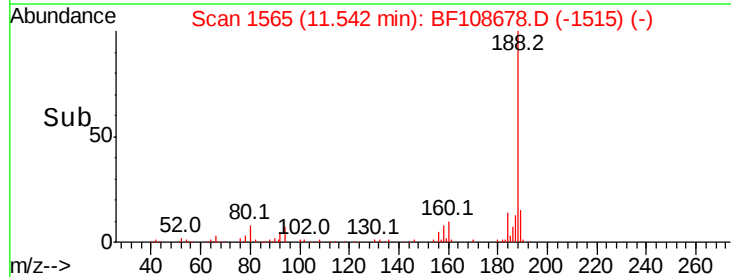
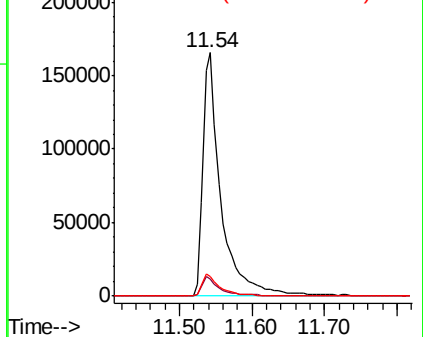


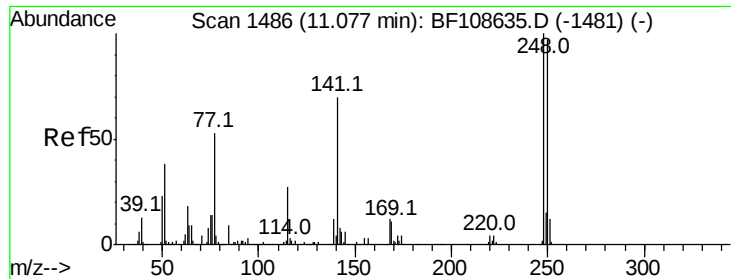
Abundance

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

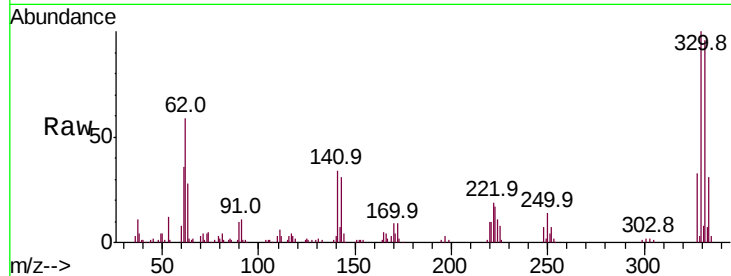




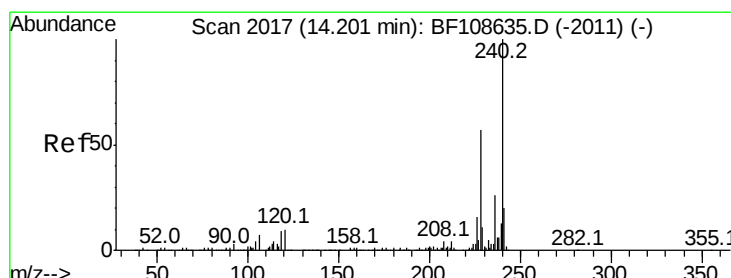
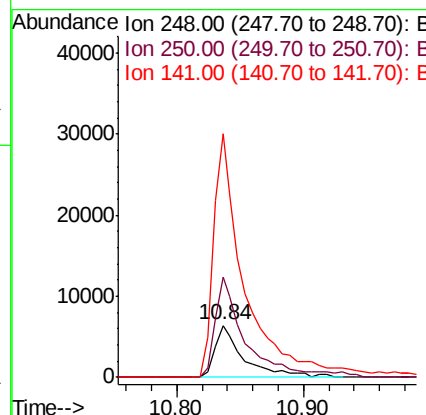
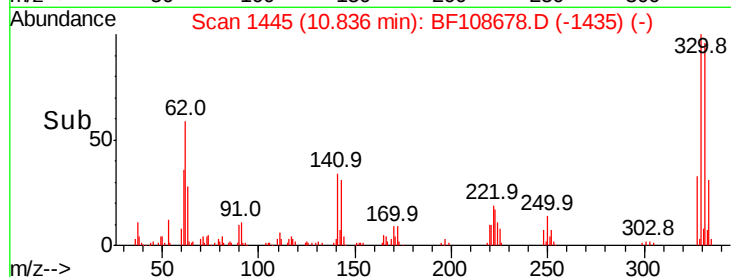
#66
 4-Bromophenyl-phenylether
 Concen: 2.873 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF108678.D
 Acq: 31 Aug 2018 9:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10153
 Ion Ratio Lower Upper
 248 100
 250 194.2 76.9 115.3#
 141 469.1 74.4 111.6#

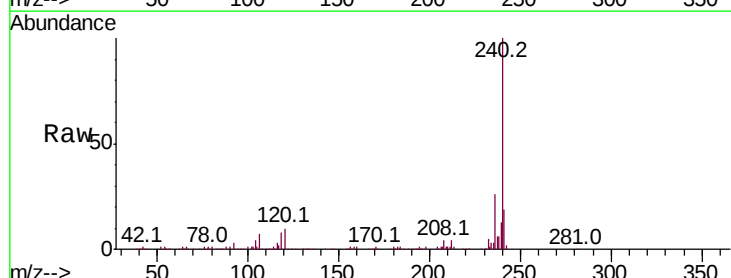


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

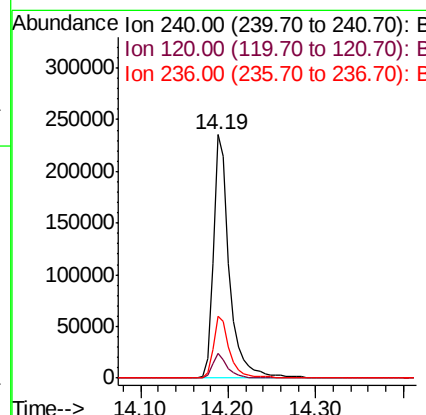
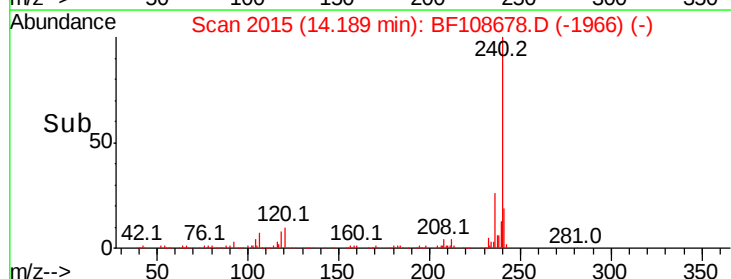


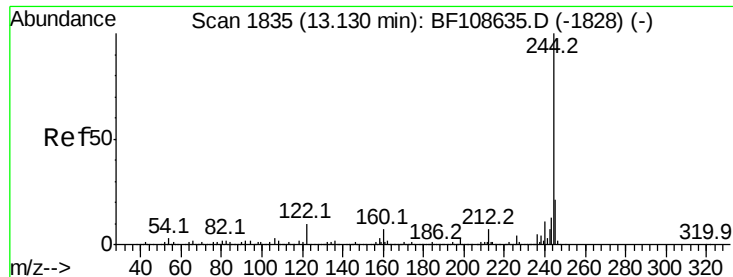
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108678.D
 Acq: 31 Aug 2018 9:01

Tgt Ion:240 Resp: 297323
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.5 14.3
 236 25.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.430 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108678.D

Acq: 31 Aug 2018 9:01

Instrument :

BNA_F

ClientSampled :

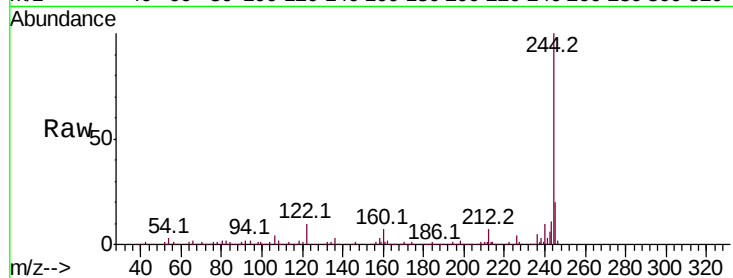
Tot Ion:244 Resp: 1184879

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

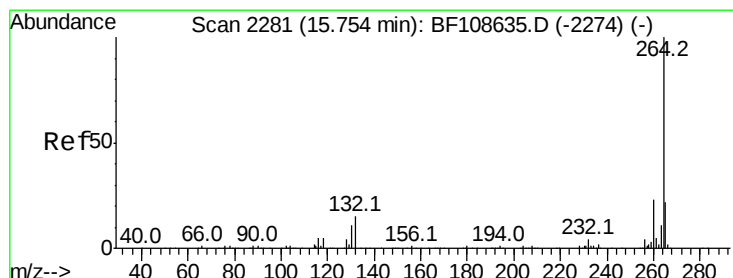
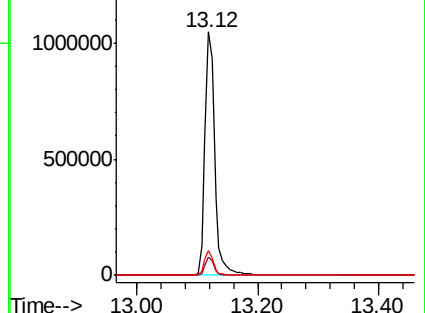
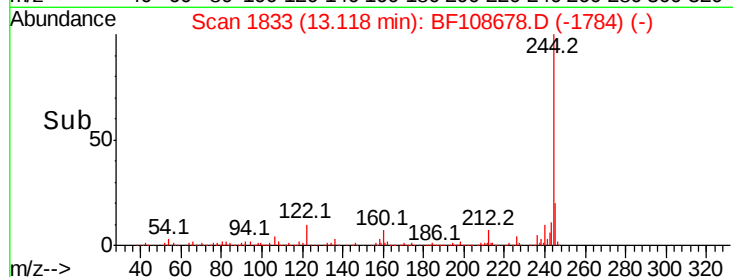
122 10.1 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF108678.D

Acq: 31 Aug 2018 9:01

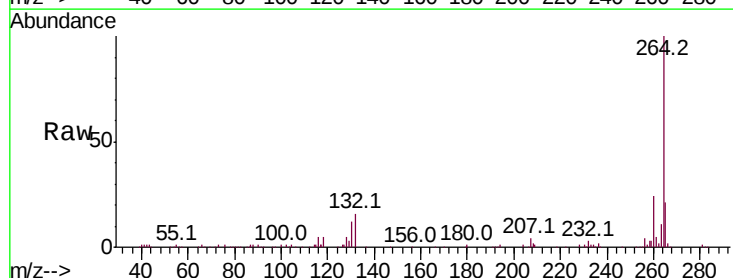
Tgt Ion:264 Resp: 247314

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

