

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108677.D
 Acq On : 31 Aug 2018 8:34
 Operator : JU/SJ
 Sample : J4700-15
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 10:43:59 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	82862	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	353296	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	166661	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	299427	20.00	ng	0.00
75) Chrysene-d12	14.19	240	294898	20.00	ng	-0.01
86) Perylene-d12	15.75	264	242626	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	112761	23.64	ng	0.02
7) Phenol-d6	6.66	99	181694	26.60	ng	0.01
23) Nitrobenzene-d5	7.57	82	666688	95.78	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	160356	72.88	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1300336	104.91	ng	0.00
78) Terphenyl-d14	13.12	244	1139335	75.07	ng	-0.01

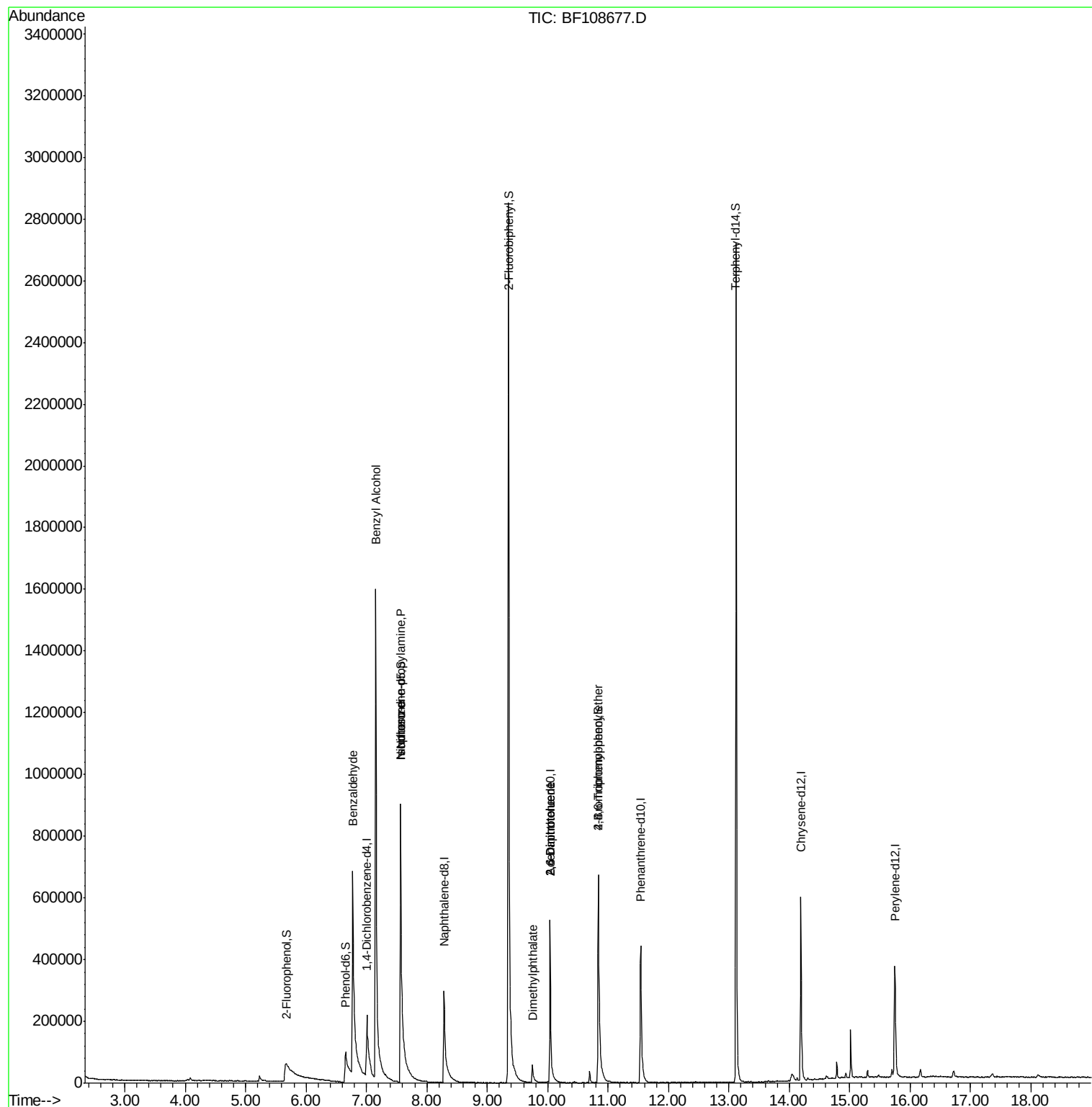
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.77	77	9019	2.136	ng	# 72
15) Benzyl Alcohol	7.15	79	10961	2.230	ng	# 45
19) n-Nitroso-di-n-propylamine	7.57	70	78803	17.225	ng	# 86
25) Isophorone	7.57	82	683070	59.077	ng	# 64
49) Dimethylphthalate	9.75	163	56603	4.313	ng	# 97
50) 2,6-Dinitrotoluene	10.04	165	20220	6.990	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	20668	5.396	ng	# 23
66) 4-Bromophenyl-phenylether	10.84	248	9573	2.601	ng	# 1

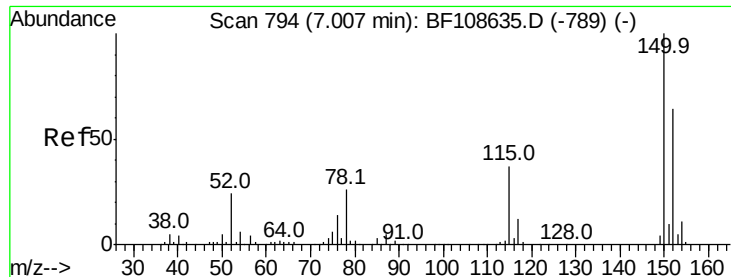
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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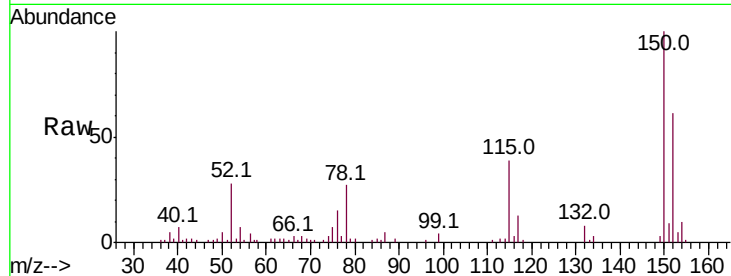


#1

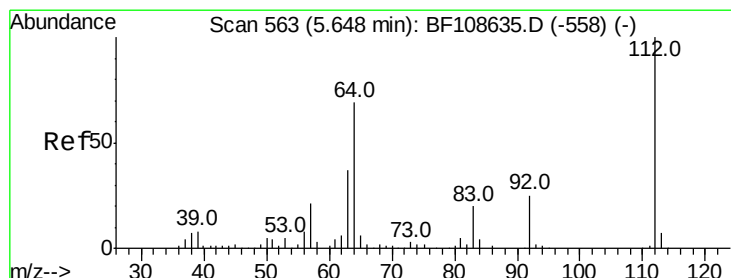
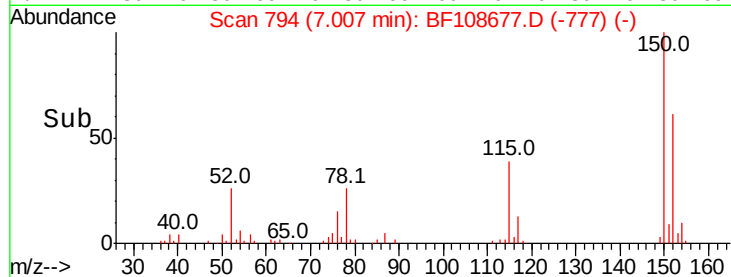
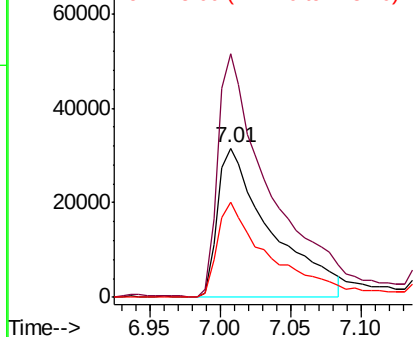
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108677.D
Acq: 31 Aug 2018 8:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.6	186.8
115	64.2	50.1	75.1



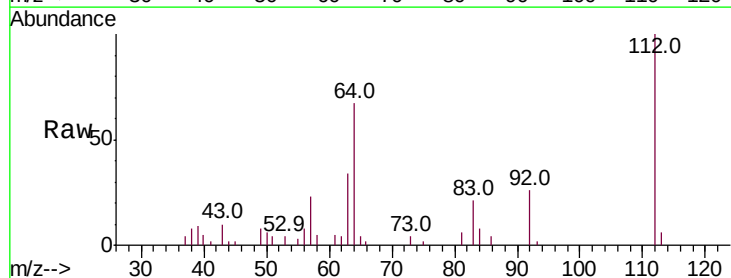
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



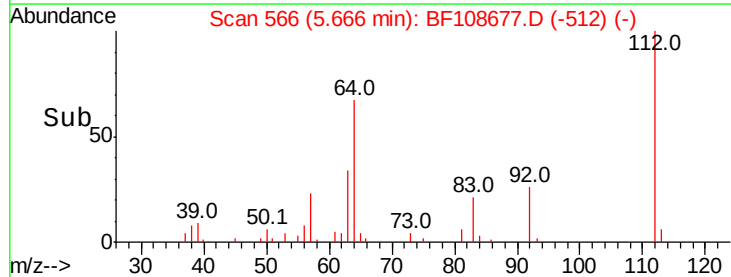
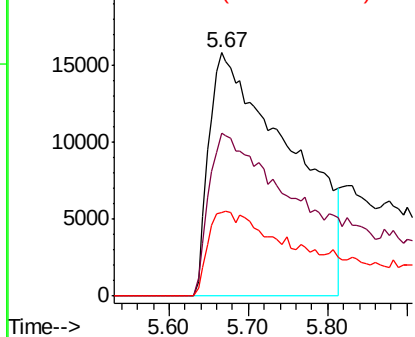
#5

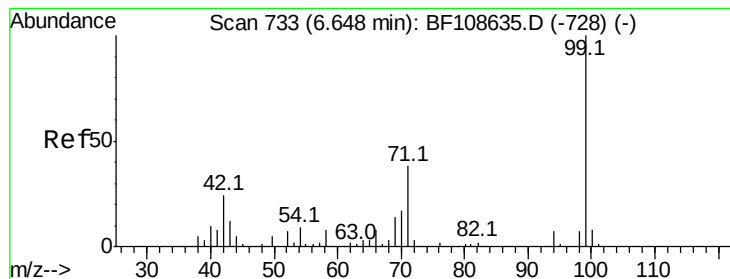
2-Fluorophenol
Concen: 23.640 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF108677.D
Acq: 31 Aug 2018 8:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	34.1	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: 26.596 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampled :

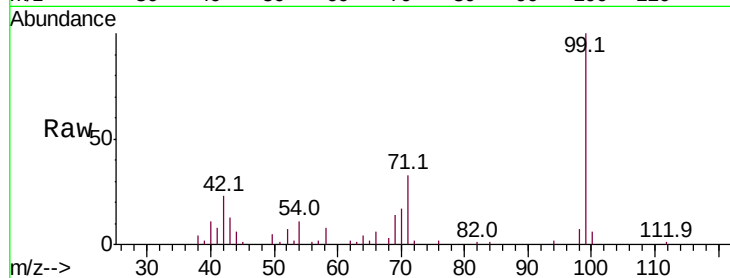
Tot Ion: 99 Resp: 181694

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

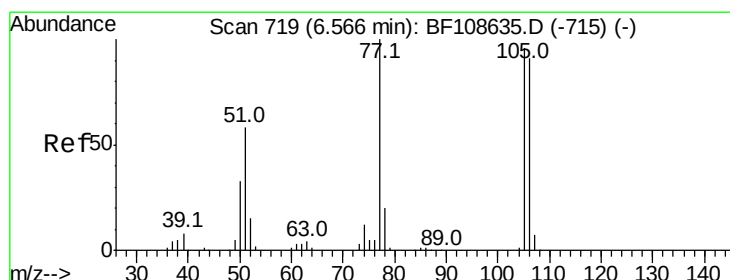
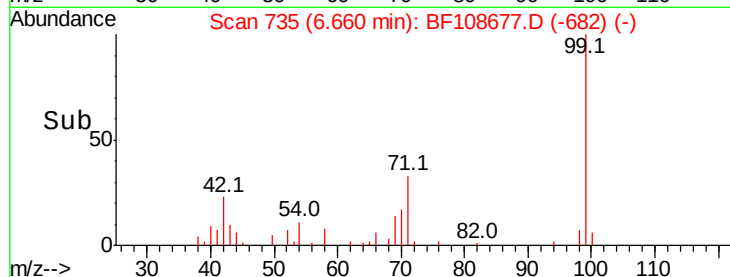
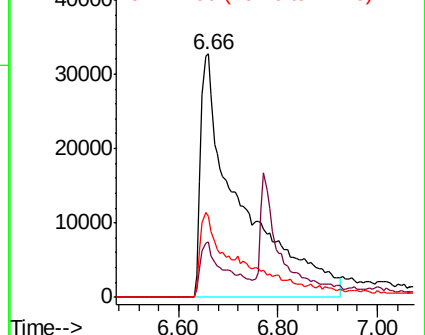
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.136 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

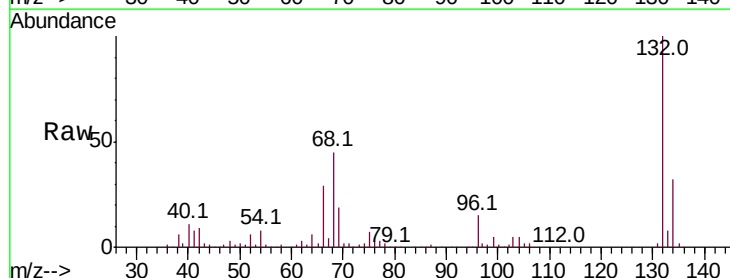
Tgt Ion: 77 Resp: 9019

Ion Ratio Lower Upper

77 100

105 77.3 81.1 121.1#

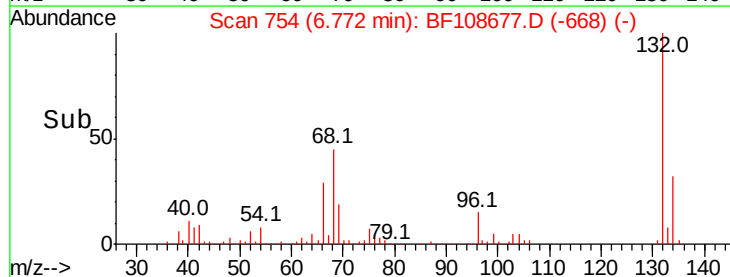
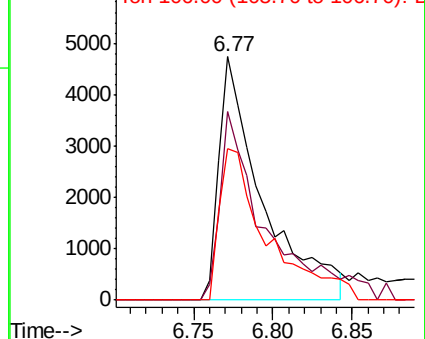
106 62.0 74.5 114.5#

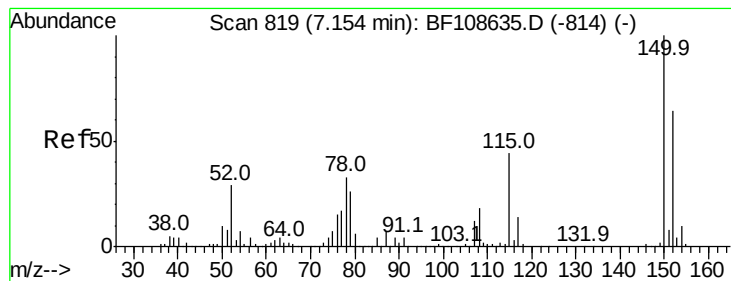


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.230 ng

RT: 7.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampled :

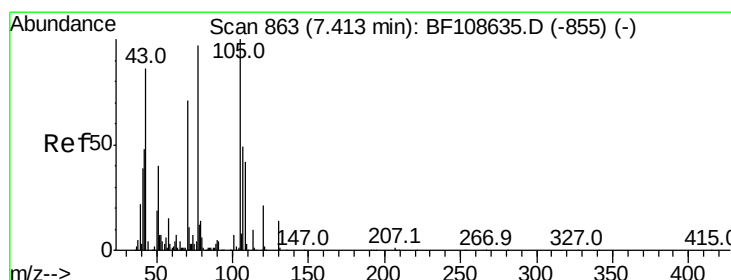
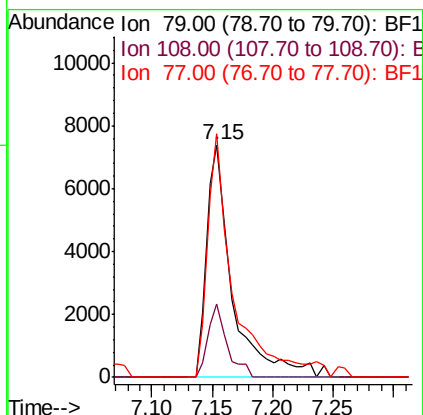
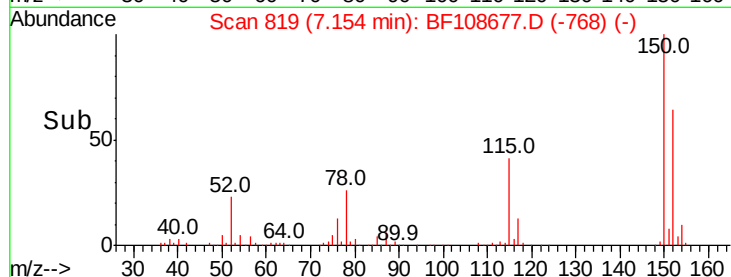
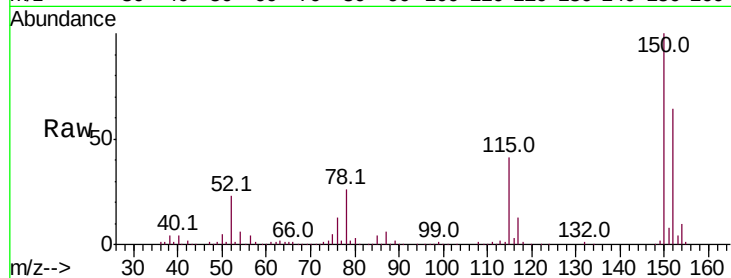
Tot Ion: 79 Resp: 10961

Ion Ratio Lower Upper

79 100

108 31.7 65.1 97.7#

77 104.6 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.225 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Tgt Ion: 70 Resp: 78803

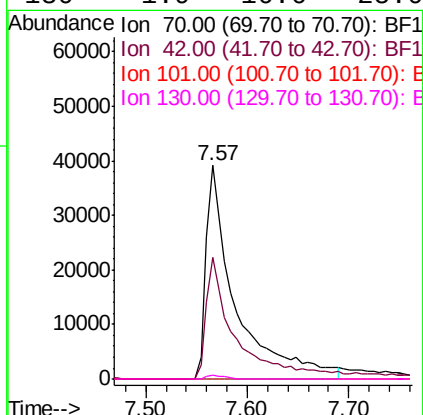
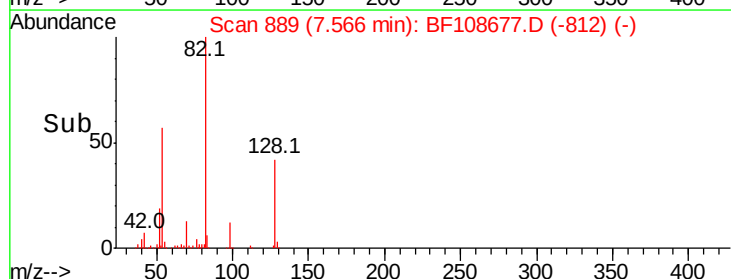
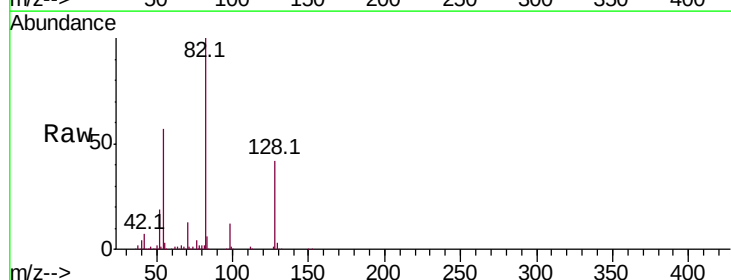
Ion Ratio Lower Upper

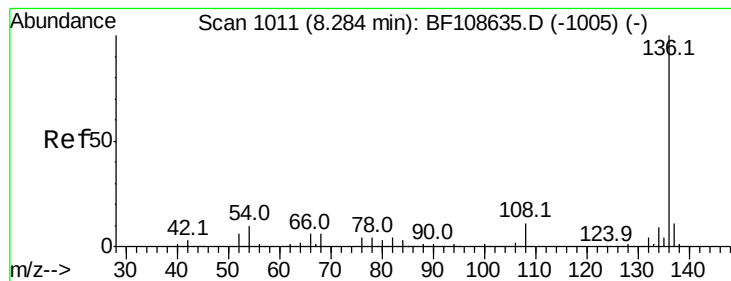
70 100

42 56.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 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: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 353296

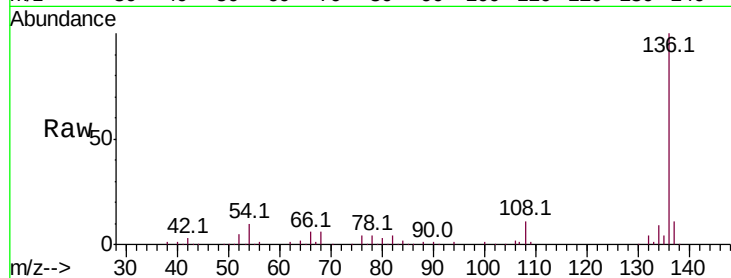
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.2 6.6 9.8#

68 5.9 5.0 7.4

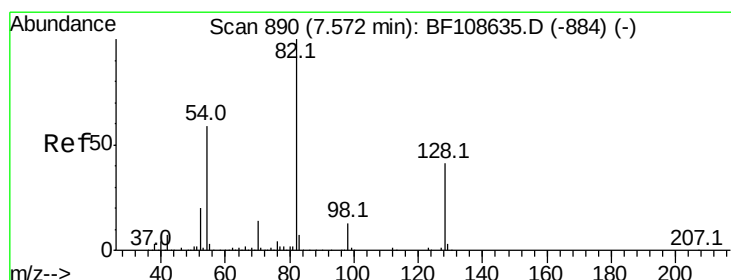
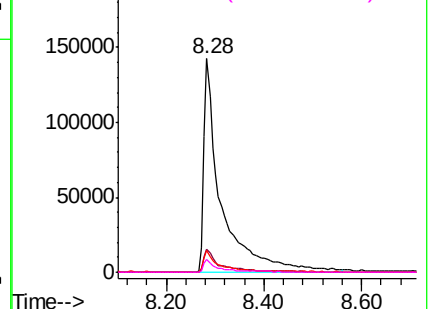
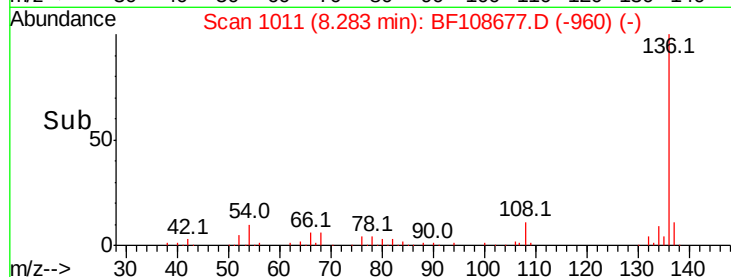


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.784 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

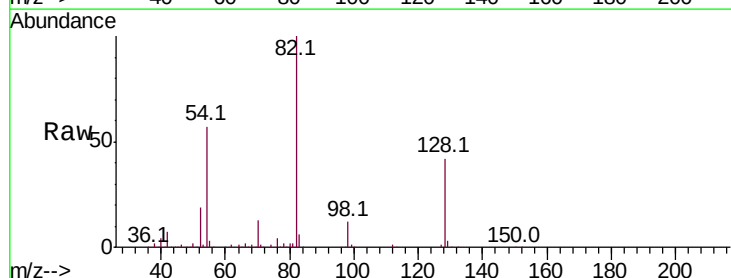
Tgt Ion: 82 Resp: 666688

Ion Ratio Lower Upper

82 100

128 41.6 36.1 54.1

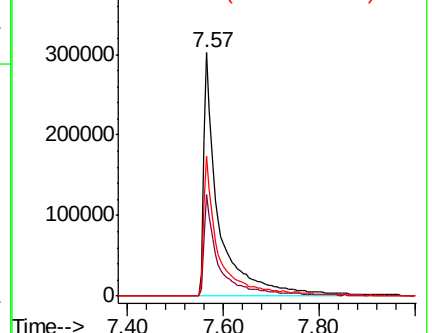
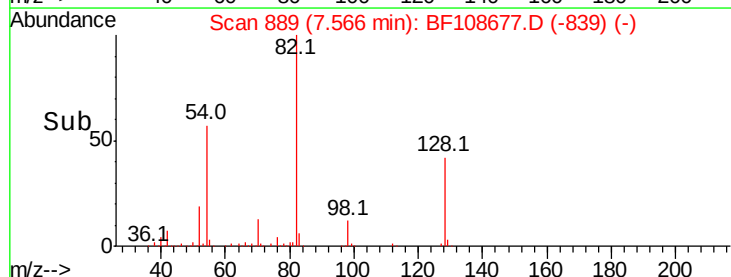
54 57.5 41.4 62.2

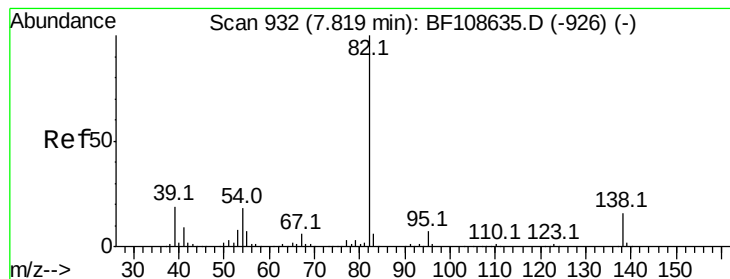


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 59.077 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampleId :

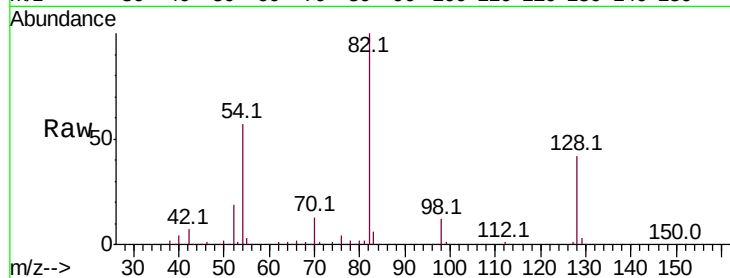
Tot Ion: 82 Resp: 683070

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

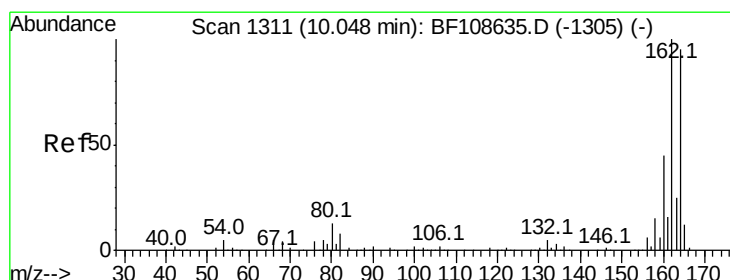
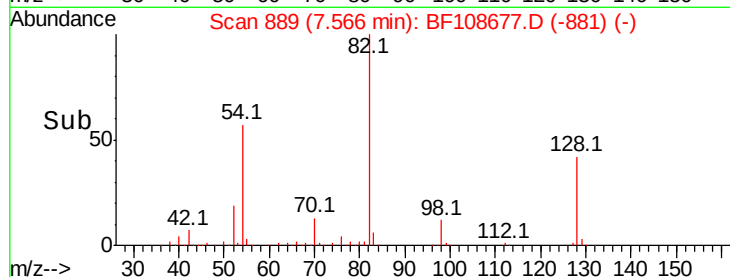
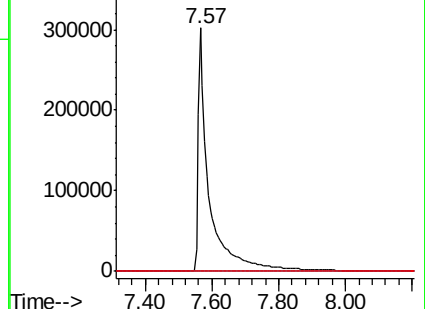
138 0.0 14.9 22.3#



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: BF108677.D

Acq: 31 Aug 2018 8:34

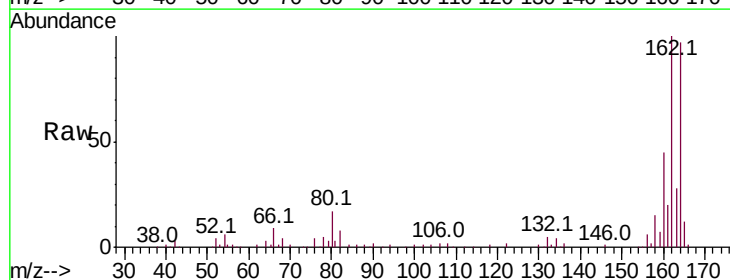
Tgt Ion:164 Resp: 166661

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

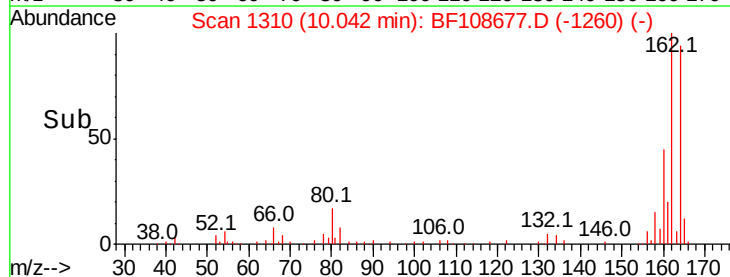
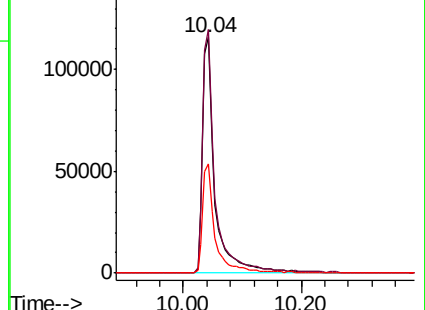
160 46.3 38.3 57.5

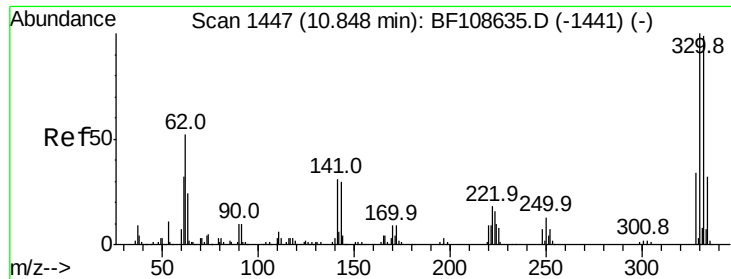


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

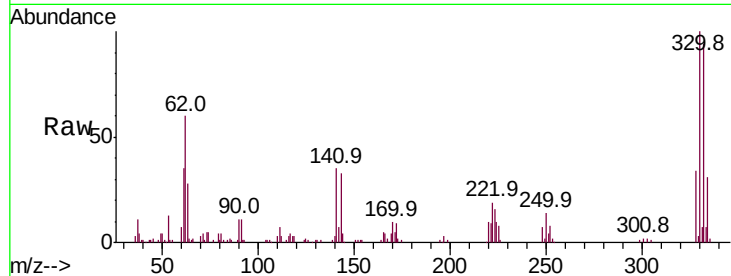




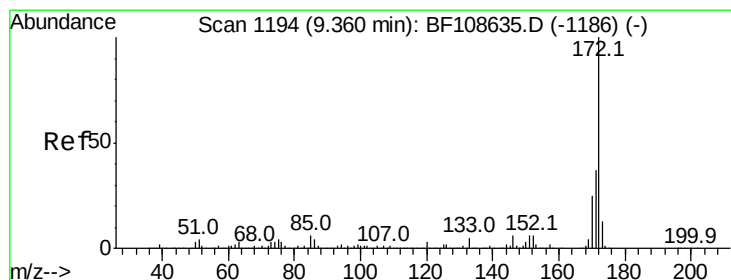
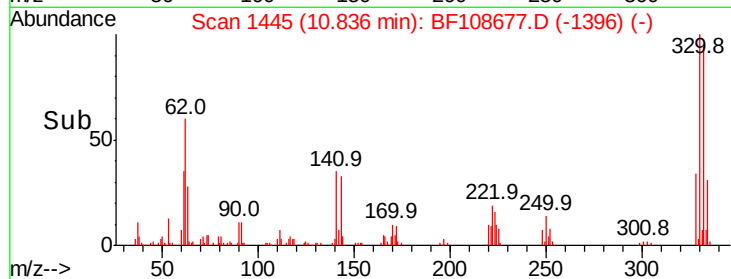
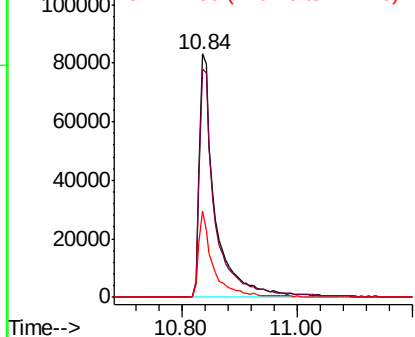
#41
 2,4,6-Tribromophenol
 Concen: 72.885 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.6
141	31.6	29.9	44.9

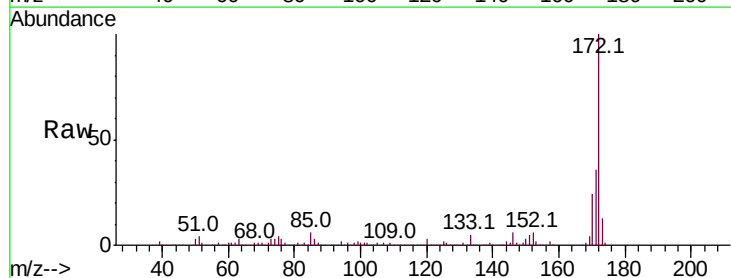


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

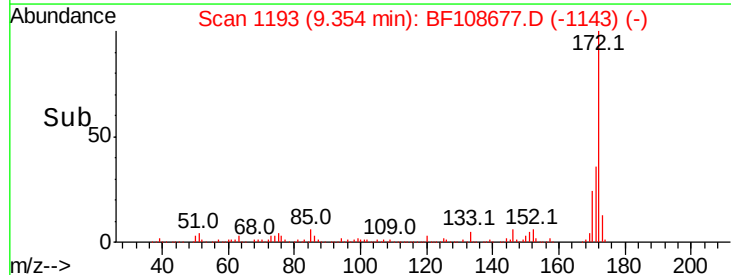
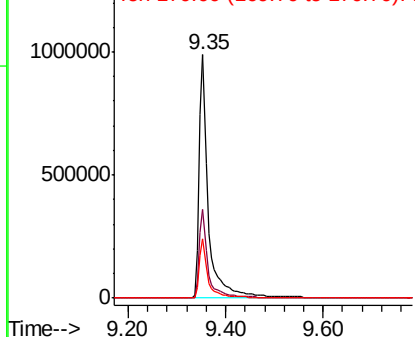


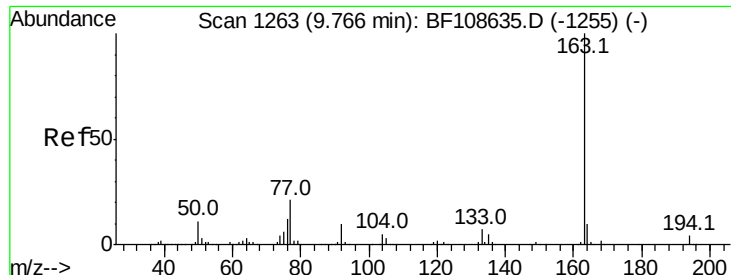
#44
 2-Fluorobiphenyl
 Concen: 104.908 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	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: 4.313 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampled :

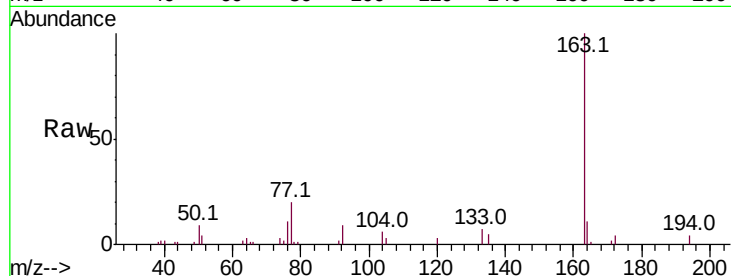
Tot Ion:163 Resp: 56603

Ion Ratio Lower Upper

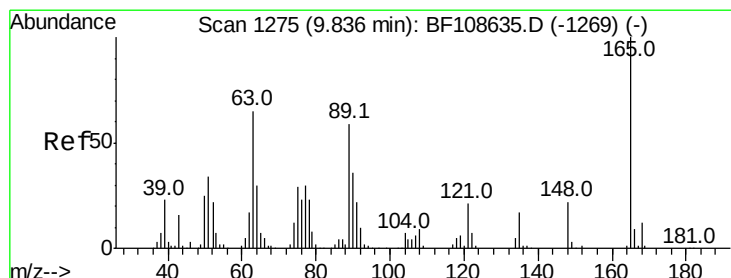
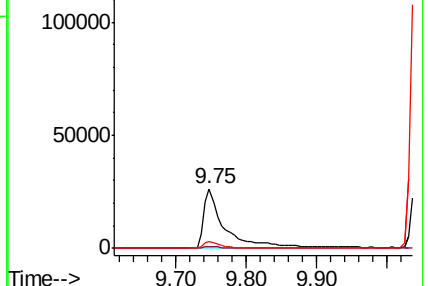
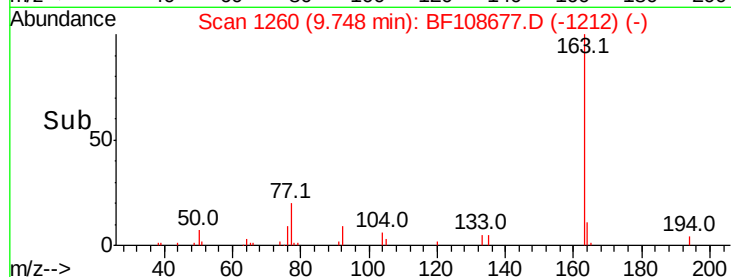
163 100

194 3.8 2.7 4.1

164 11.4 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: 6.990 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

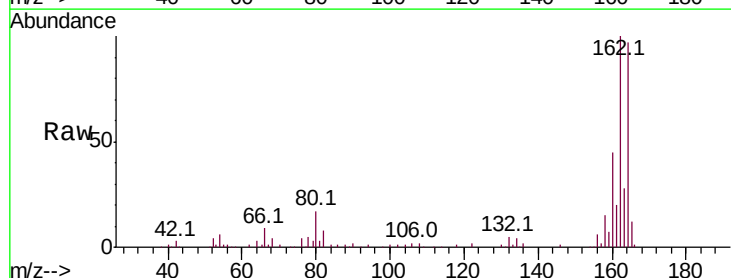
Tgt Ion:165 Resp: 20220

Ion Ratio Lower Upper

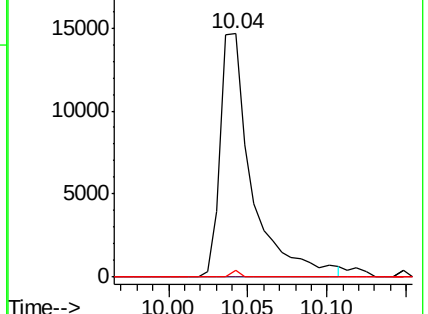
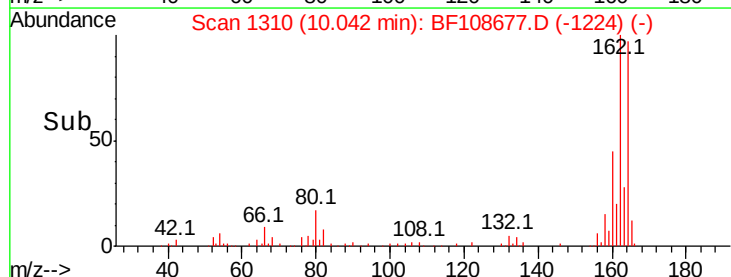
165 100

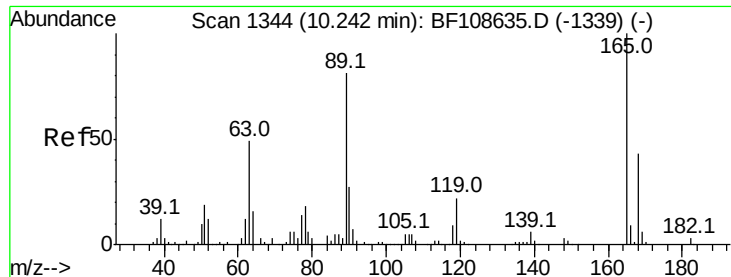
63 0.0 44.7 67.1#

89 2.8 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

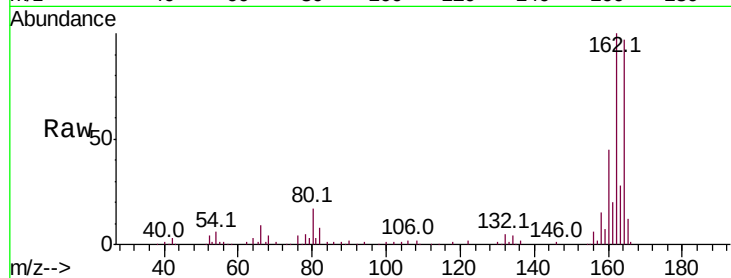




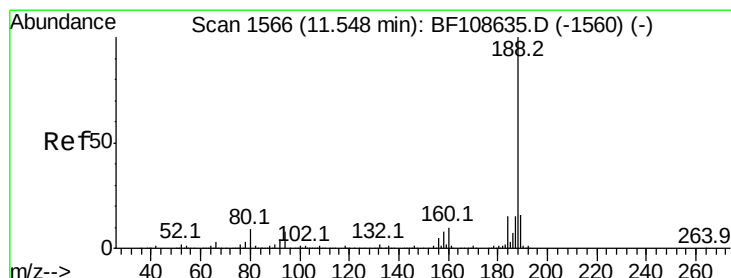
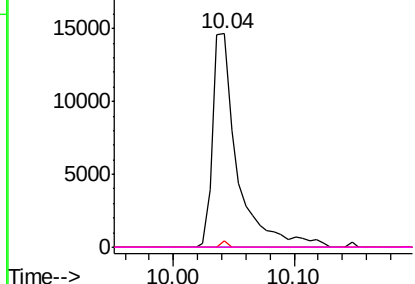
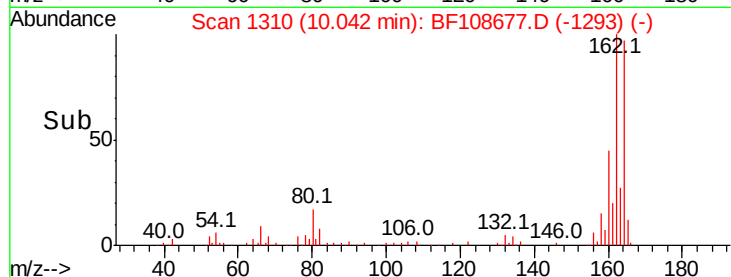
#56
 2,4-Dinitrotoluene
 Concen: 5.396 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.20 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	20668
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.8	57.8	86.6#
182	0.0	1.6	2.4#

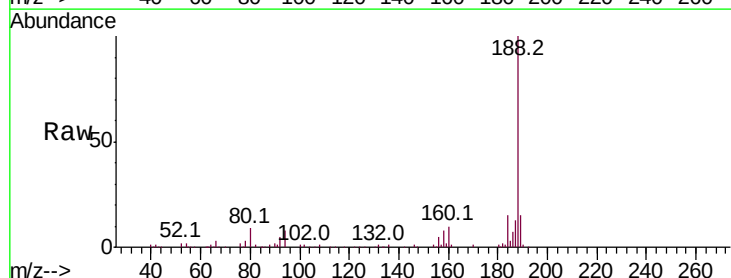


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

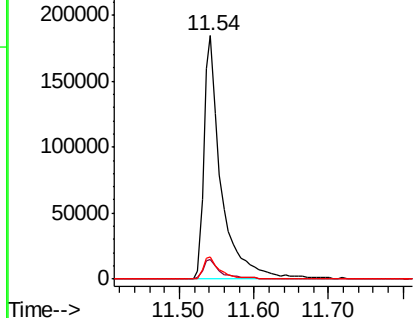
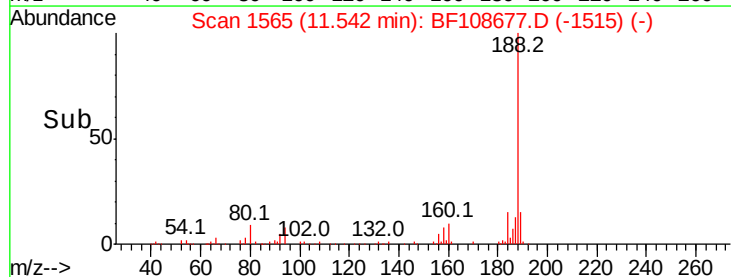


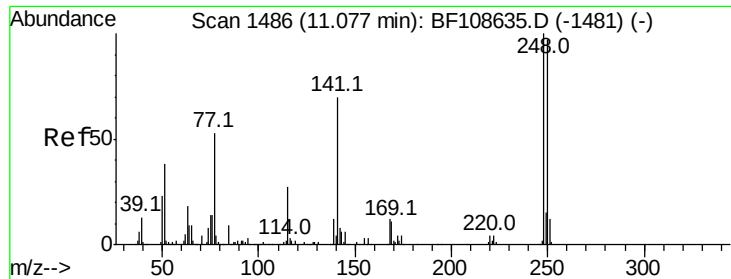
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

Tgt Ion:	188	Resp:	299427
Ion	Ratio	Lower	Upper
188	100		
94	8.1	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

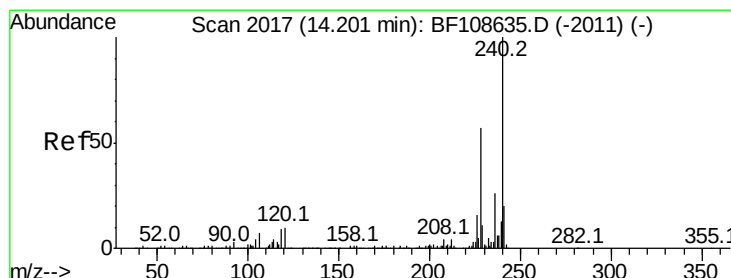
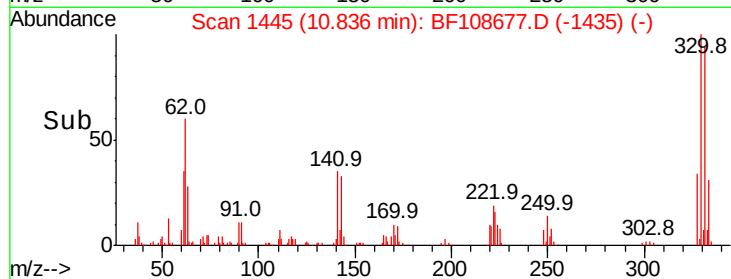
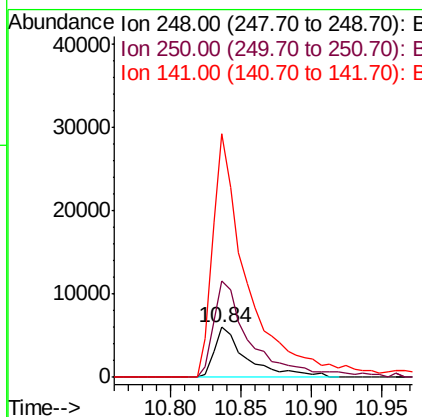
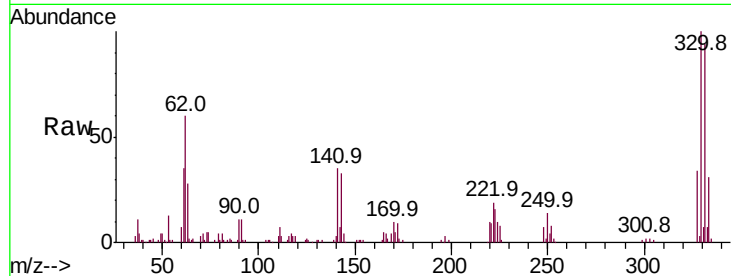




#66
 4-Bromophenyl-phenylether
 Concen: 2.601 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

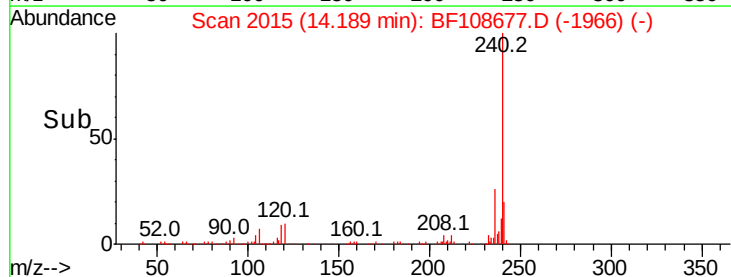
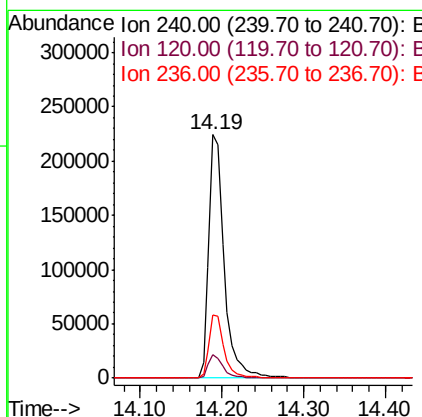
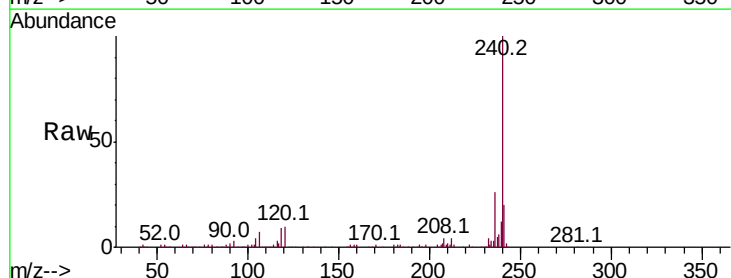
Instrument :
 BNA_F
 ClientSampleId :

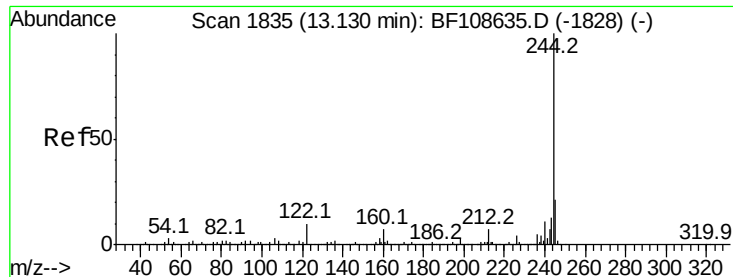
Tot Ion:248 Resp: 9573
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.9 115.3#
 141 489.5 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108677.D
 Acq: 31 Aug 2018 8:34

Tgt Ion:240 Resp: 294898
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.5 14.3
 236 26.0 20.7 31.1





#78

Terphenyl-d14

Concen: 75.066 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

Instrument :

BNA_F

ClientSampled :

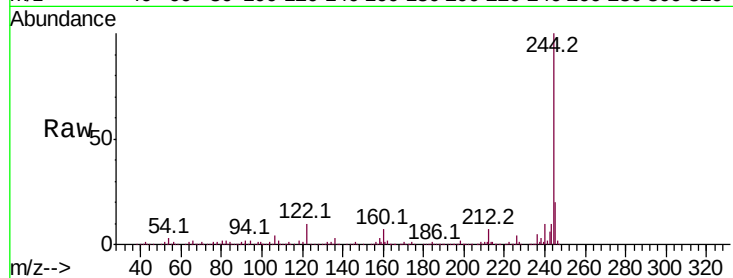
Tot Ion:244 Resp: 1139335

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

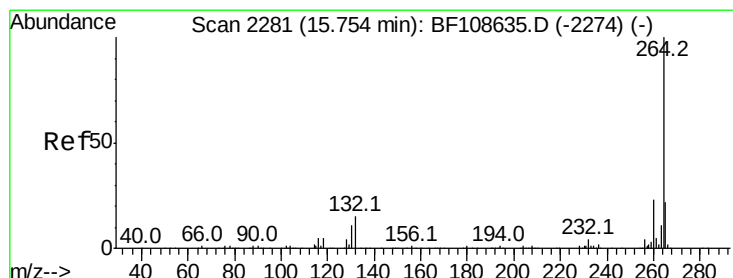
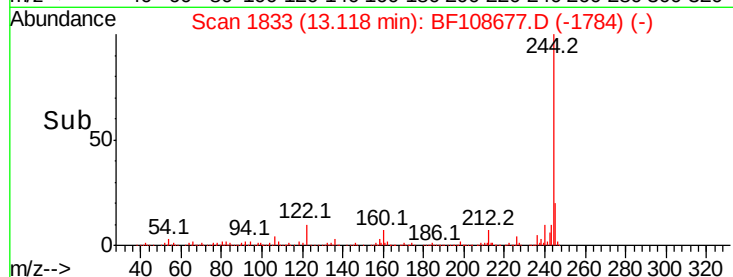
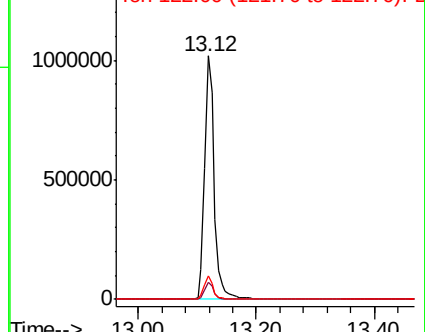
122 9.8 11.0 16.4#



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: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108677.D

Acq: 31 Aug 2018 8:34

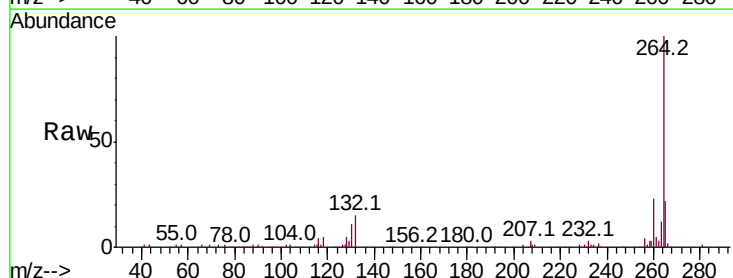
Tgt Ion:264 Resp: 242626

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 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

