

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109836.D
 Acq On : 12 Oct 2018 16:24
 Operator : JU/SJ
 Sample : J5371-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 17:48:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	101279	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	429893	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	200694	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	383547	20.00	ng	0.00
75) Chrysene-d12	13.83	240	243298	20.00	ng	0.00
86) Perylene-d12	15.23	264	202678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	221010	38.73	ng	-0.01
7) Phenol-d6	6.34	99	191215	25.09	ng	-0.02
23) Nitrobenzene-d5	7.26	82	790595	101.37	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	209914	95.99	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1397655	95.91	ng	0.00
78) Terphenyl-d14	12.79	244	1262187	100.43	ng	0.00

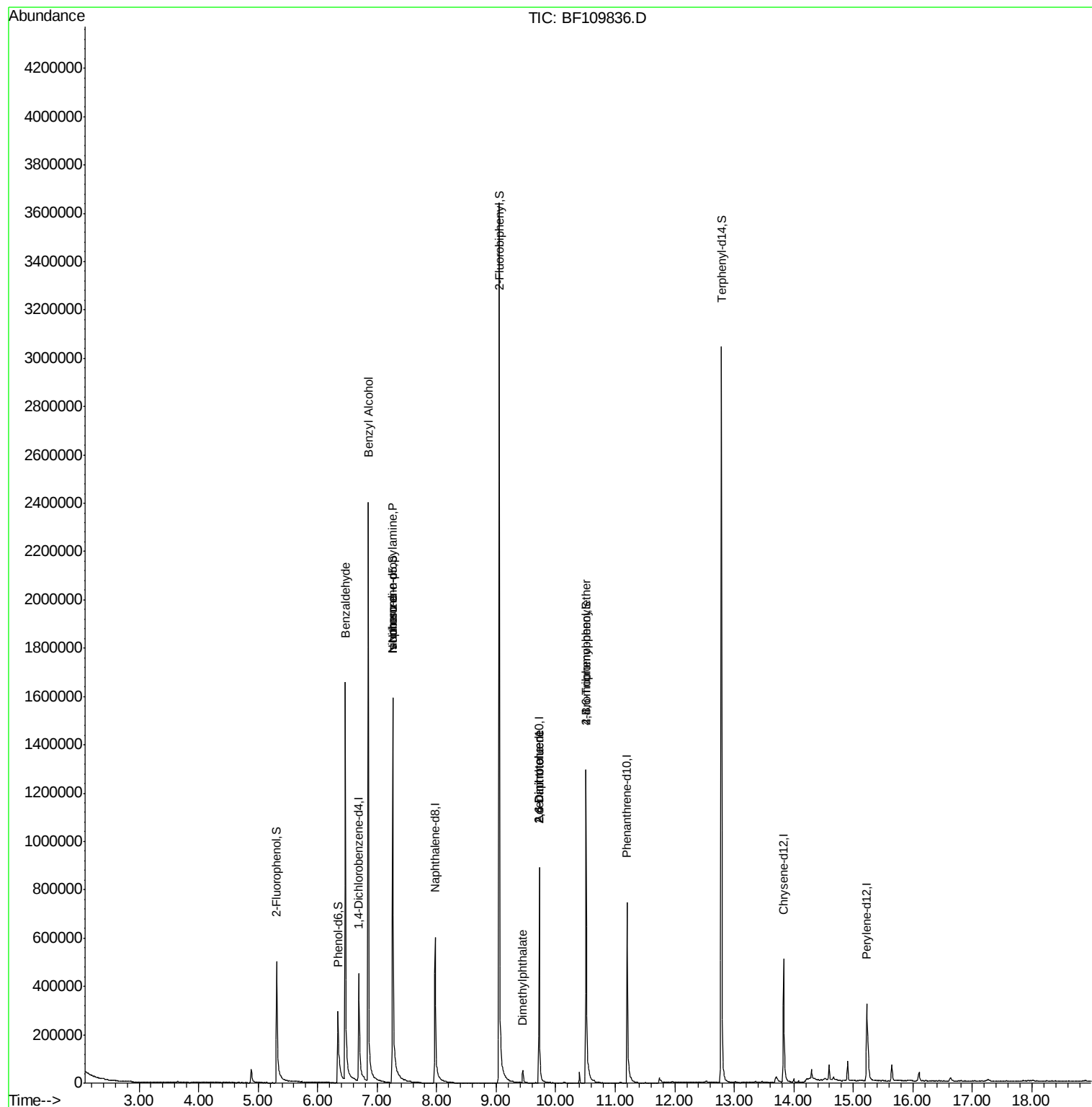
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	11902	2.427	ng	# 77
15) Benzyl Alcohol	6.85	79	11829	2.093	ng	# 54
19) n-Nitroso-di-n-propylamine	7.26	70	103426	19.349	ng	# 76
25) Isophorone	7.26	82	790590	61.048	ng	# 67
49) Dimethylphthalate	9.45	163	33803	2.297	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	25332	7.940	ng	# 23
56) 2,4-Dinitrotoluene	9.72	165	25332	6.362	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	12268	2.784	ng	# 1

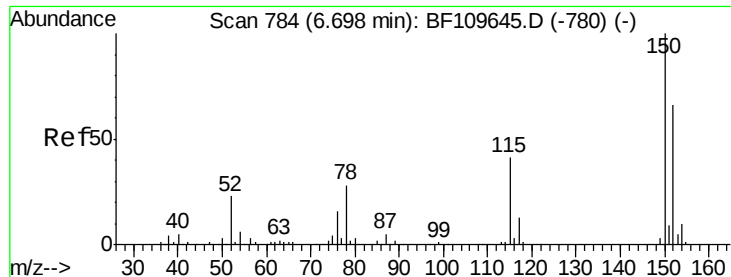
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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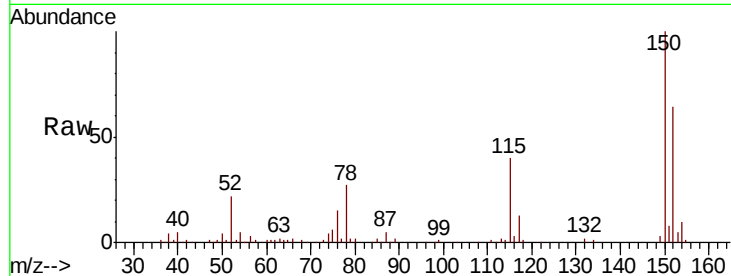


#1

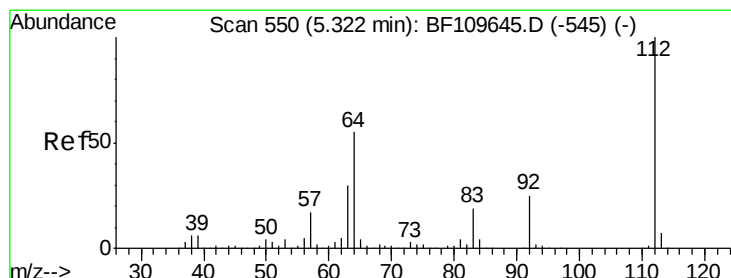
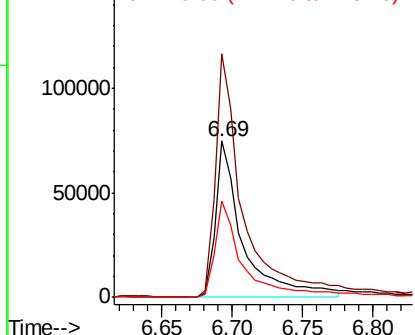
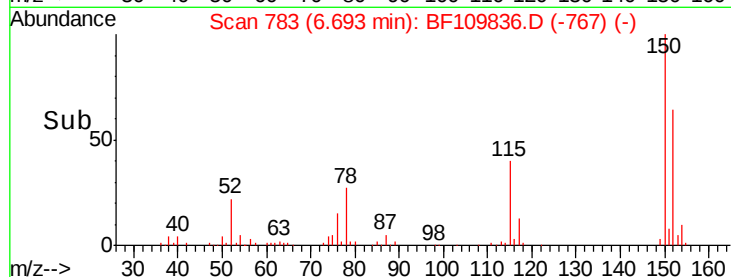
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101279
Ion Ratio Lower Upper
152 100
150 155.7 122.7 184.1
115 61.9 49.1 73.7



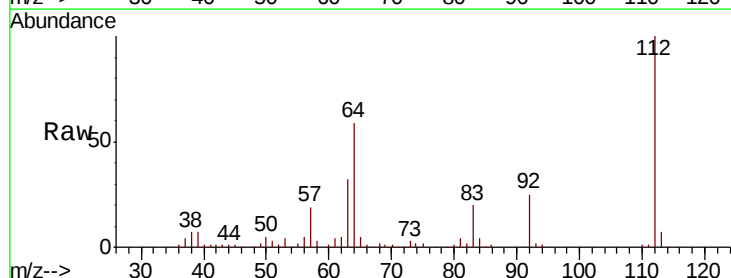
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



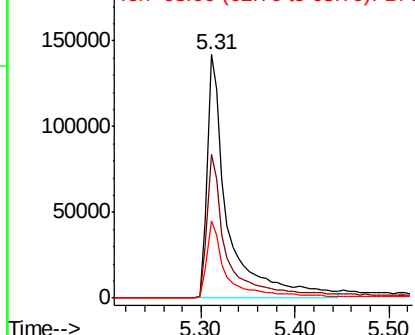
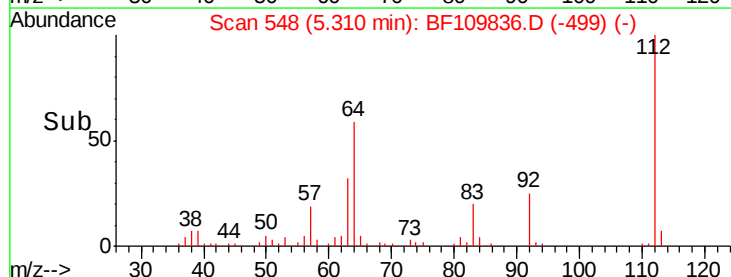
#5

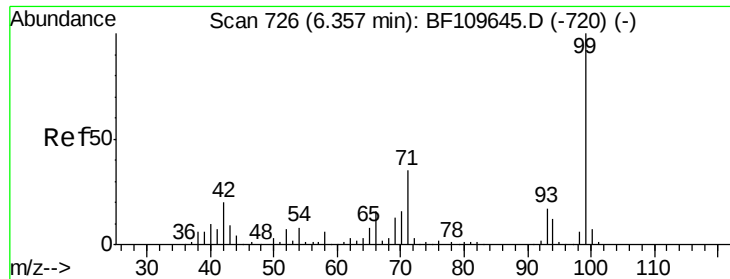
2-Fluorophenol
Concen: 38.735 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Tgt Ion:112 Resp: 221010
Ion Ratio Lower Upper
112 100
64 59.3 44.1 66.1
63 31.9 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: 25.086 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

Instrument :

BNA_F

ClientSampled :

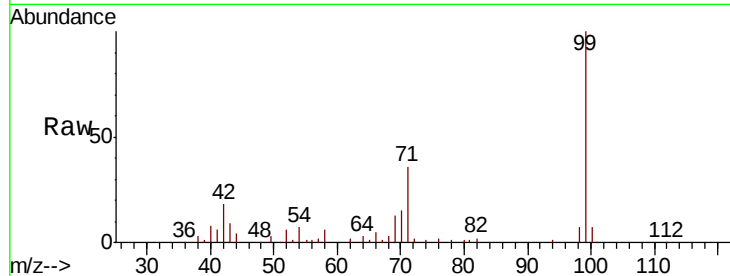
Tot Ion: 99 Resp: 191215

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

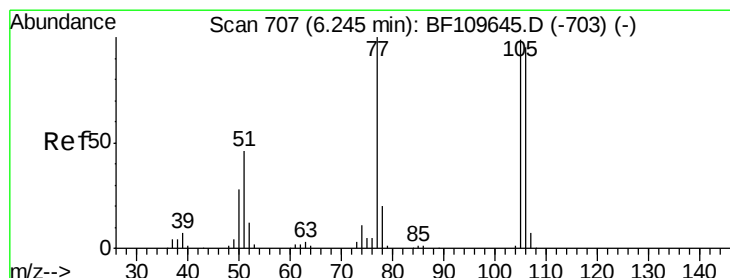
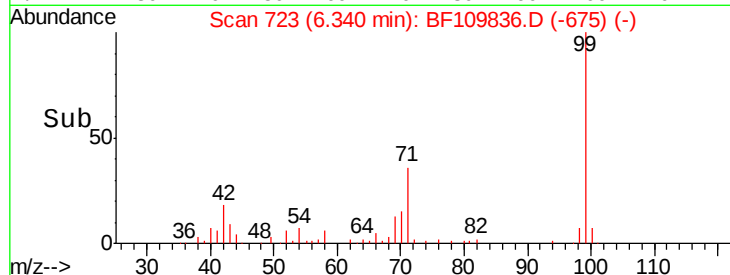
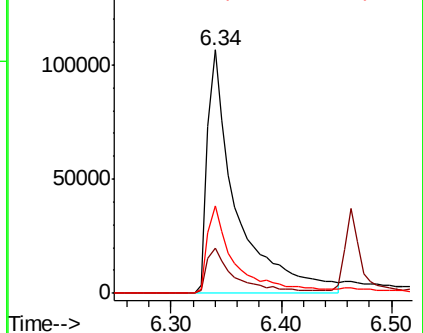
71 35.7 28.0 42.0



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: 2.427 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

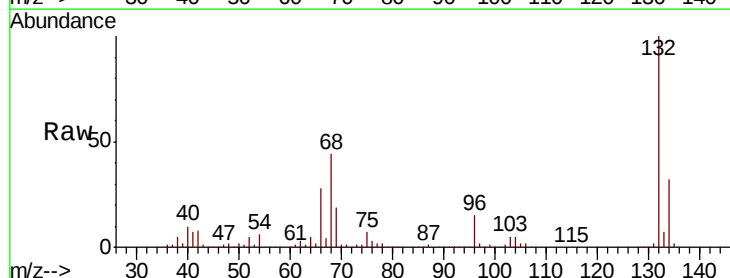
Tgt Ion: 77 Resp: 11902

Ion Ratio Lower Upper

77 100

105 78.6 78.6 118.6#

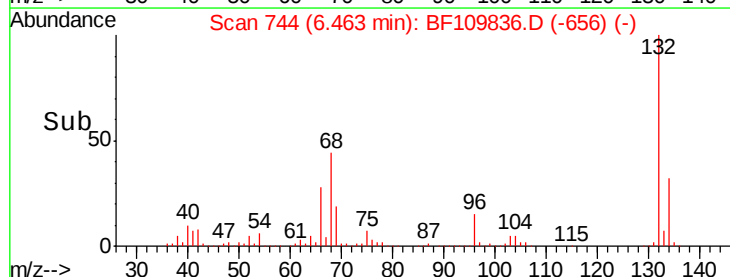
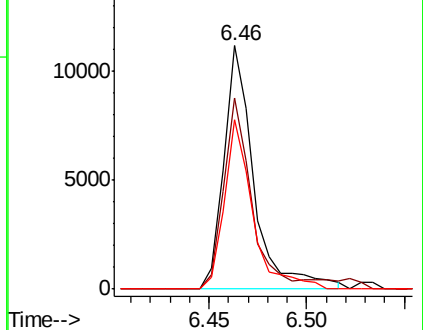
106 69.8 74.8 114.8#

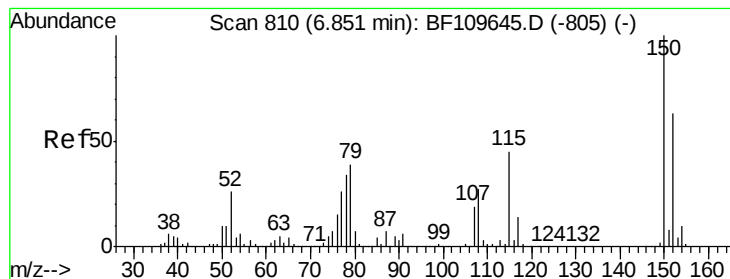


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.093 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

Instrument :

BNA_F

ClientSampleId :

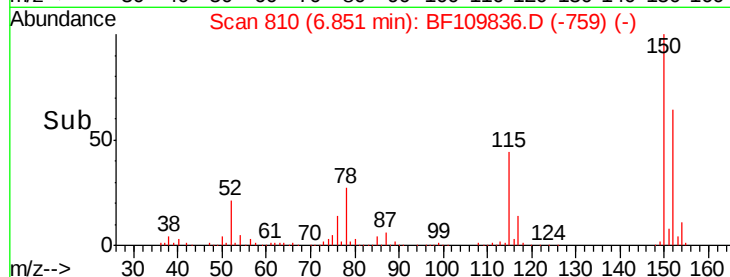
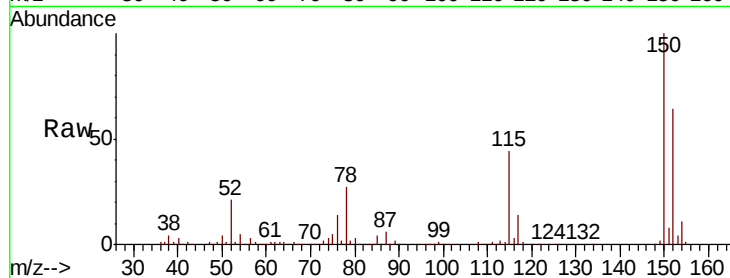
Tot Ion: 79 Resp: 11829

Ion Ratio Lower Upper

79 100

108 32.6 56.3 84.5#

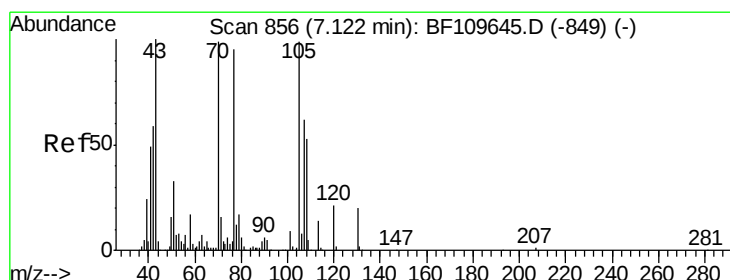
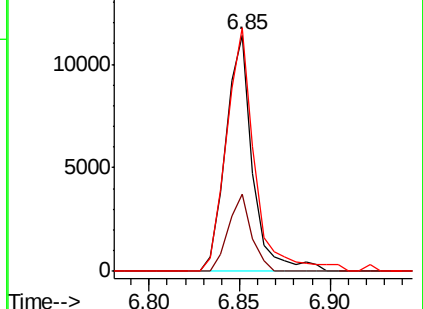
77 103.0 52.9 79.3#



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: 19.349 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

Tgt Ion: 70 Resp: 103426

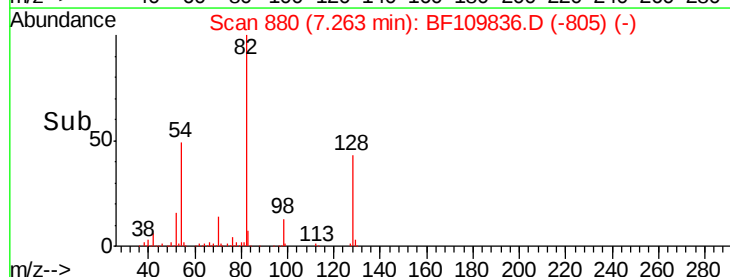
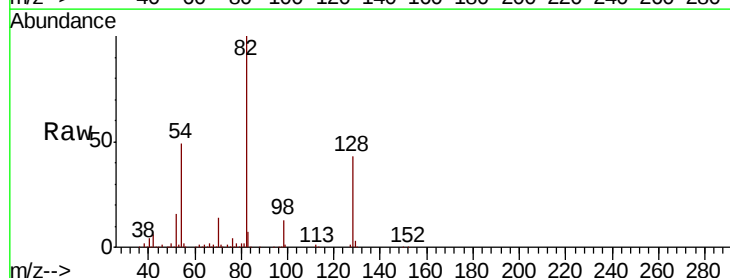
Ion Ratio Lower Upper

70 100

42 45.4 47.4 71.2#

101 0.0 7.3 10.9#

130 1.9 16.2 24.2#

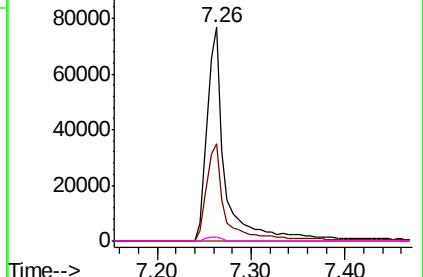


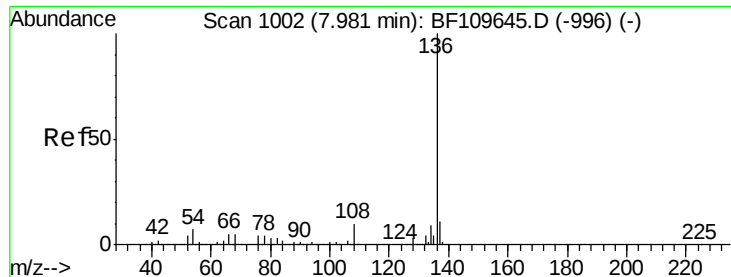
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

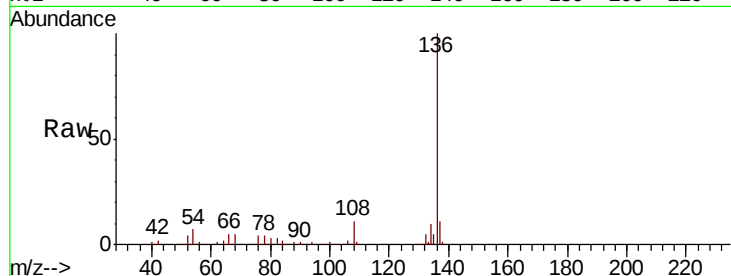




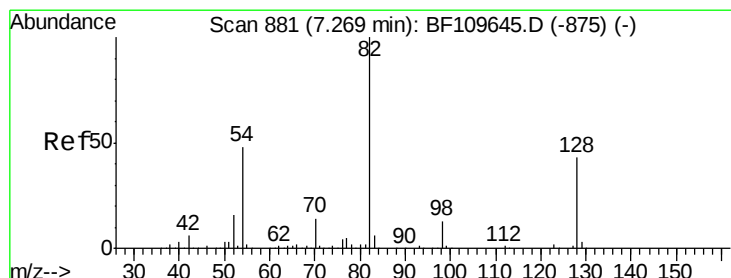
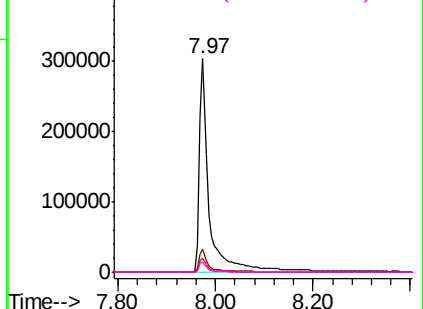
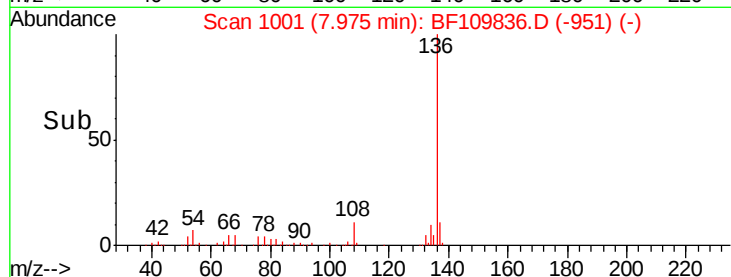
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	429893
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	6.7	5.4 8.2
68	5.0	4.2 6.2

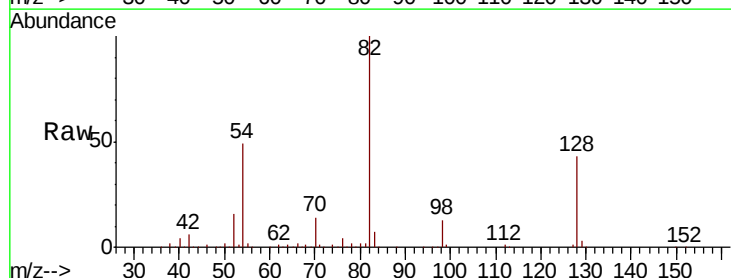


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

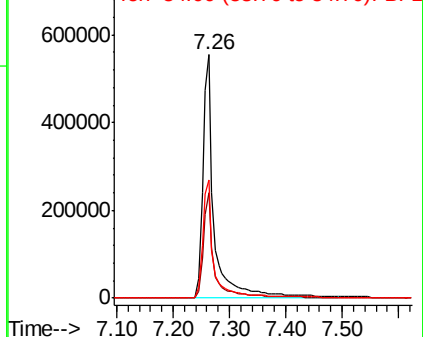
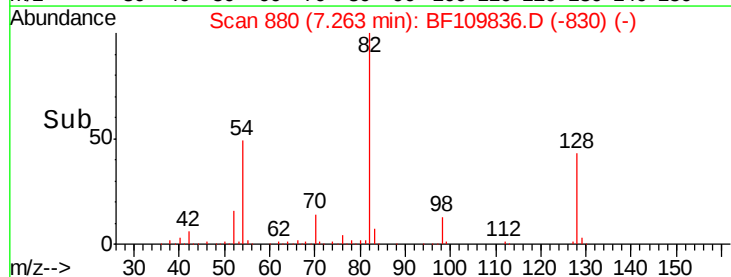


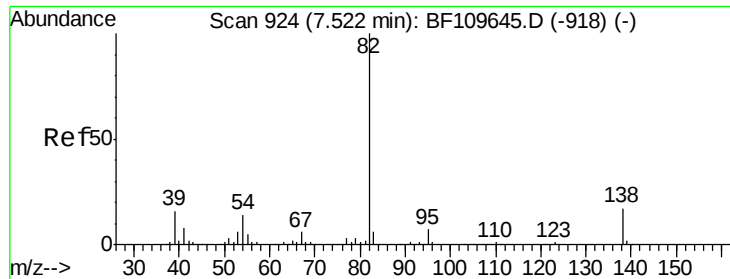
#23
Nitrobenzene-d5
Concen: 101.375 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Tgt Ion: 82	Resp:	790595
Ion	Ratio	Lower Upper
82	100	
128	43.1	34.2 51.2
54	48.6	38.6 58.0



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

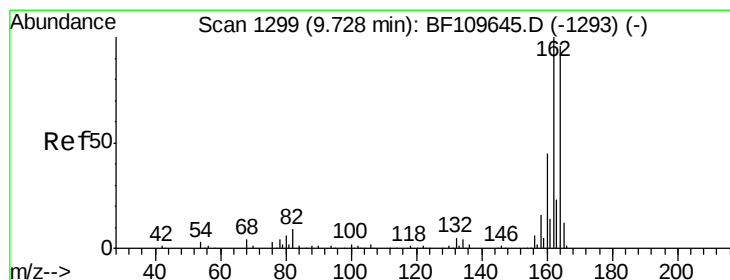
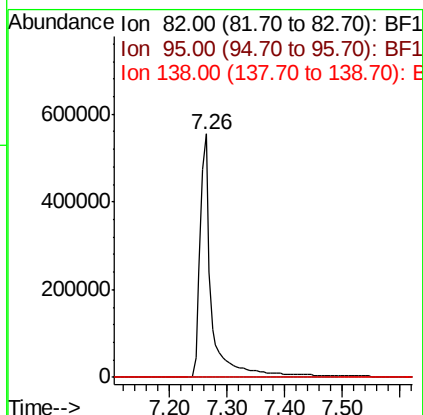
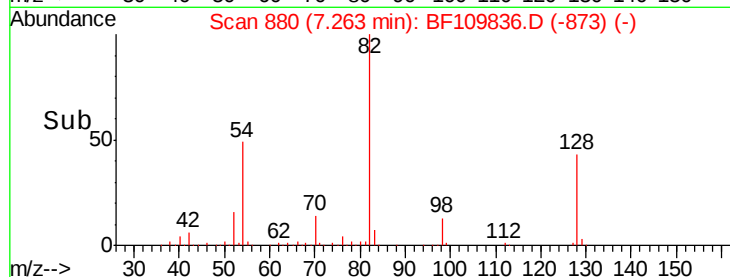
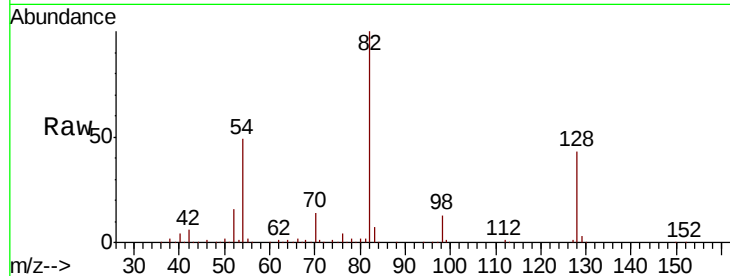




#25
Isophorone
Concen: 61.048 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.26 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

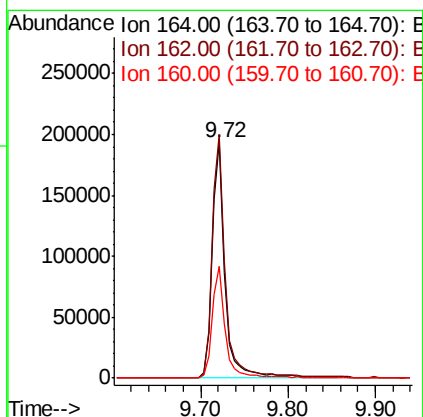
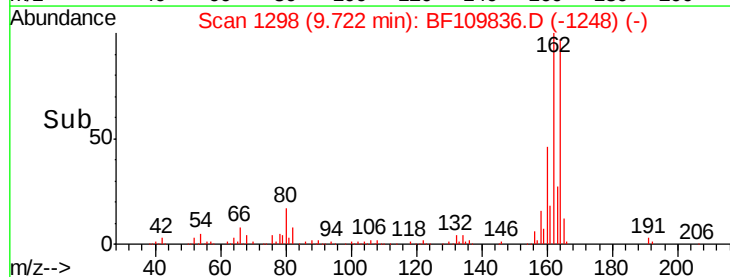
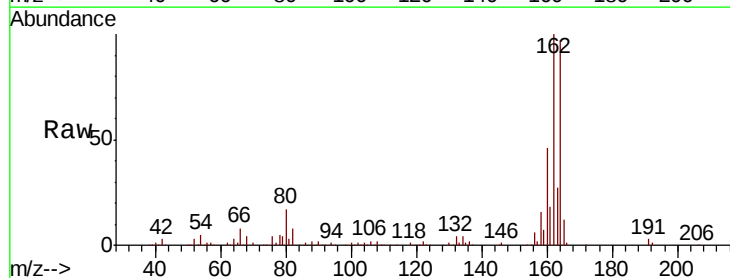
Instrument :
BNA_F
ClientSampleId :

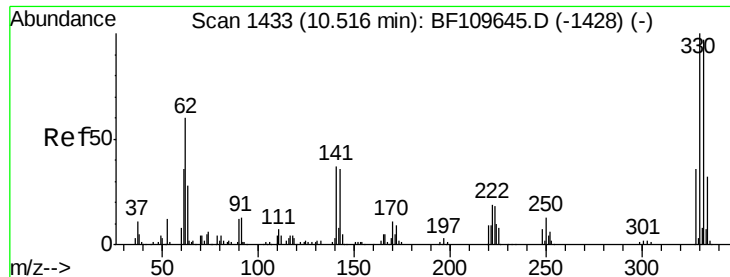
Tot Ion: 82 Resp: 790590
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Tgt Ion:164 Resp: 200694
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.6
160 47.6 37.0 55.6

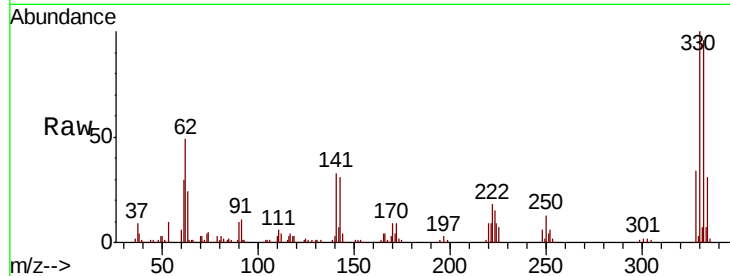




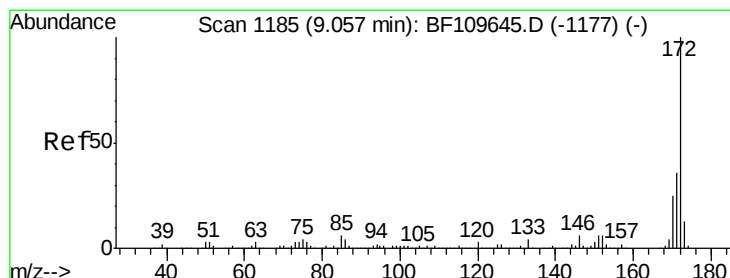
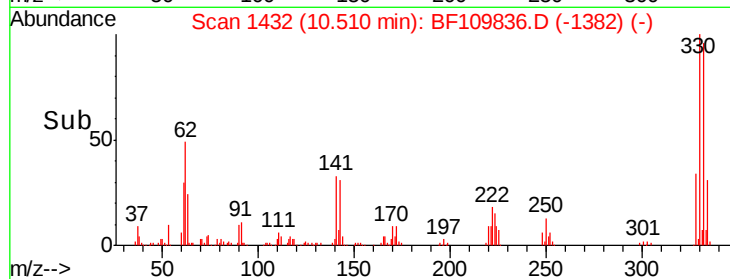
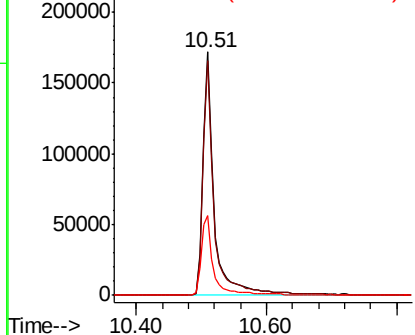
#41
2,4,6-Tribromophenol
Concen: 95.992 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	34.8	27.0	40.4

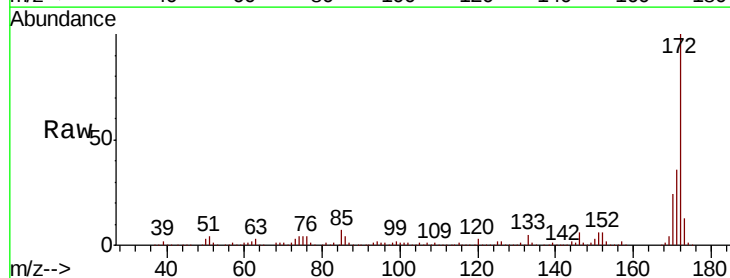


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

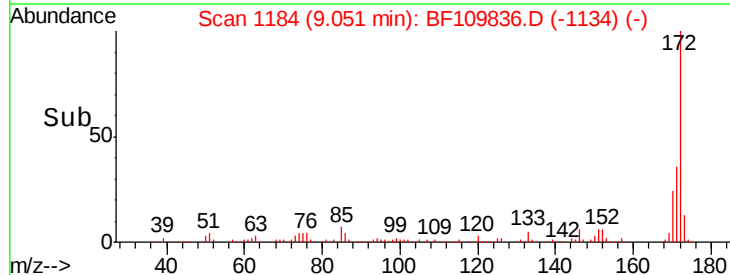
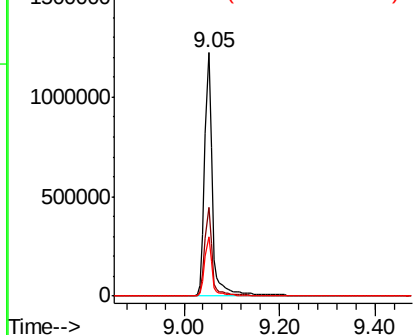


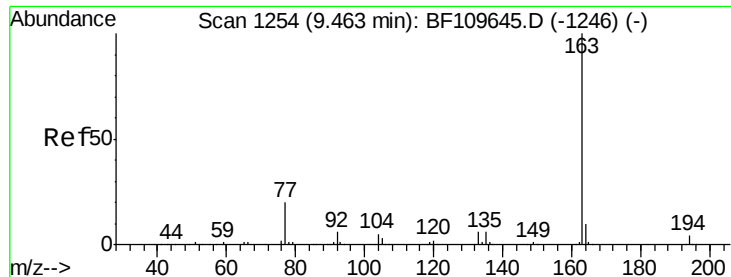
#44
2-Fluorobiphenyl
Concen: 95.913 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF109836.D
Acq: 12 Oct 2018 16:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.5	19.7	29.5



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

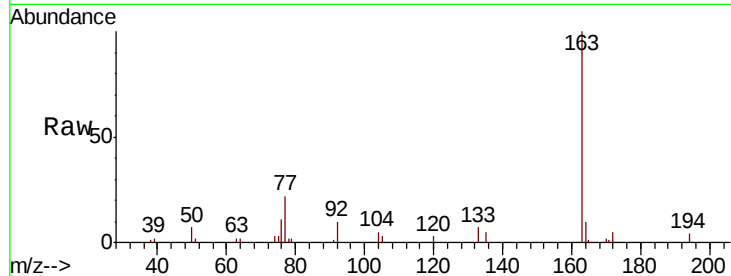




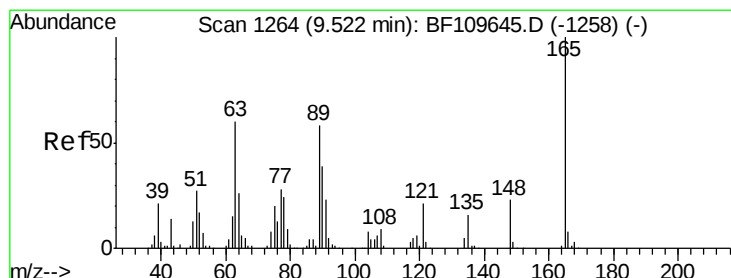
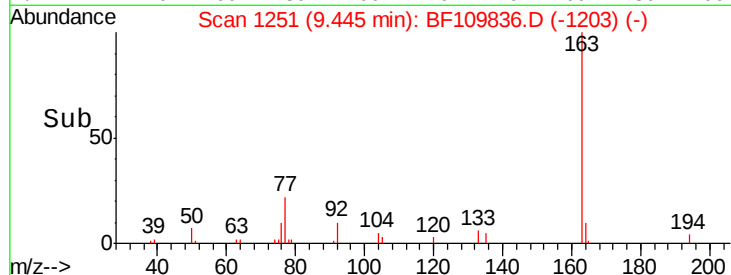
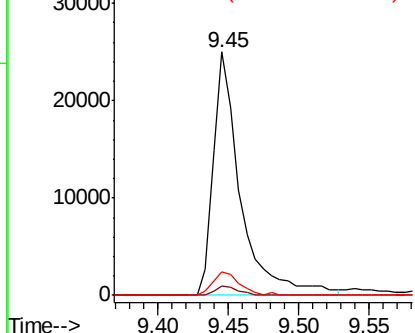
#49
 Dimethylphthalate
 Concen: 2.297 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163	Resp:	33803
Ion Ratio	Lower	Upper
163	100	
194	3.8	3.2 4.8
164	9.6	8.1 12.1

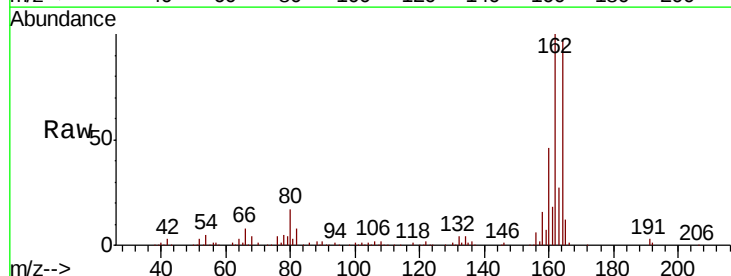


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

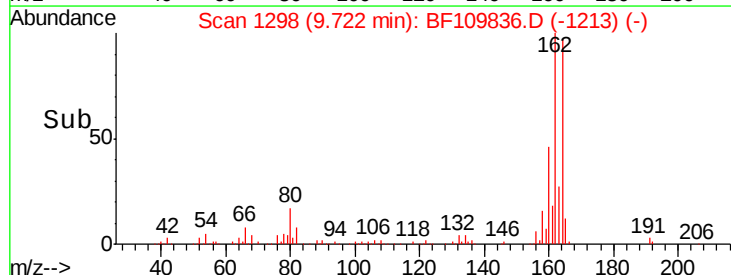
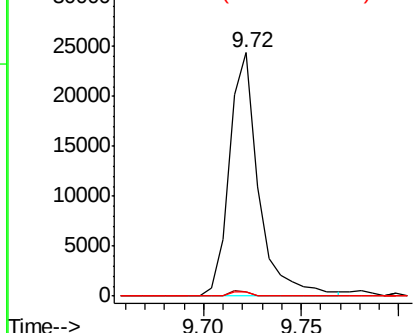


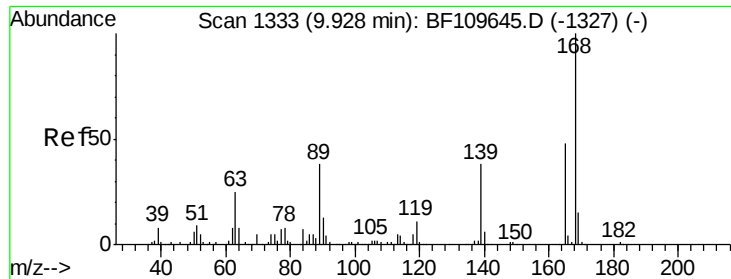
#50
 2,6-Dinitrotoluene
 Concen: 7.940 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.20 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Tgt Ion:165	Resp:	25332
Ion Ratio	Lower	Upper
165	100	
63	1.6	48.9 73.3#
89	1.8	46.6 69.8#



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

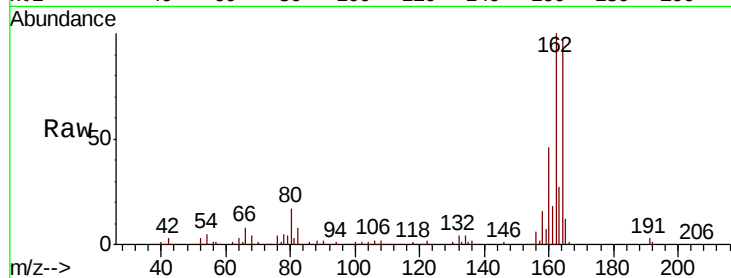




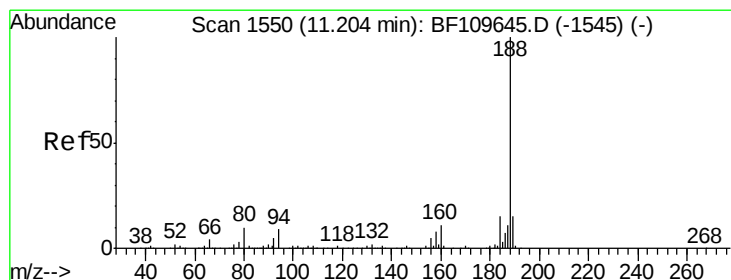
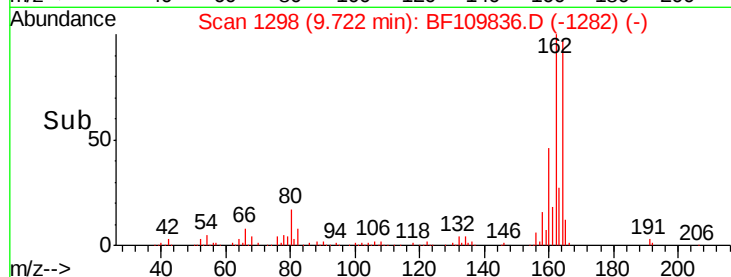
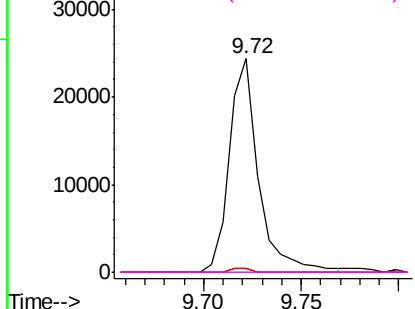
#56
 2,4-Dinitrotoluene
 Concen: 6.362 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 25332
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.8 67.2#
 89 1.8 62.2 93.4#
 182 0.0 2.1 3.1#

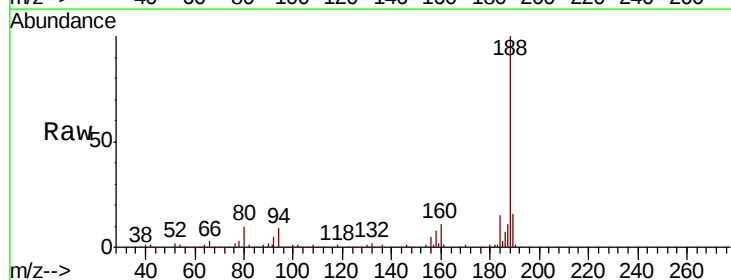


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

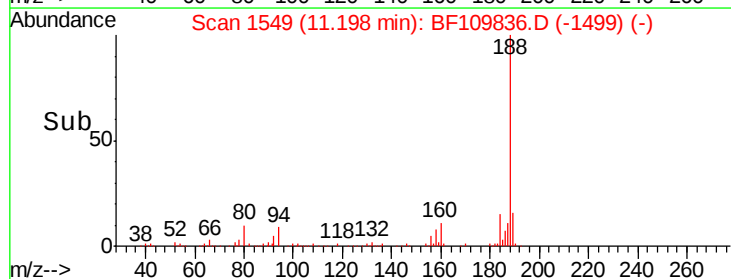
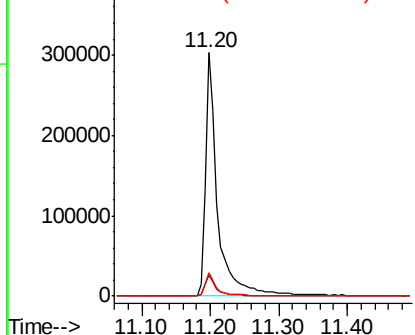


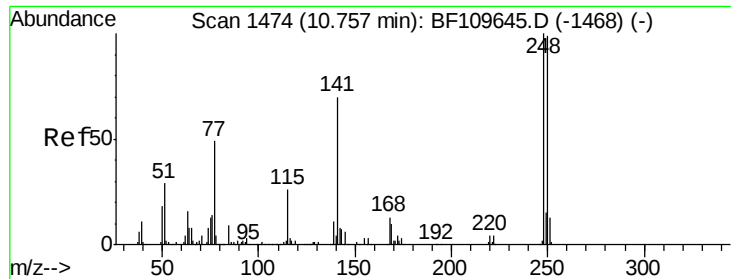
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Tgt Ion:188 Resp: 383547
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.2 10.8
 80 9.9 7.9 11.9



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

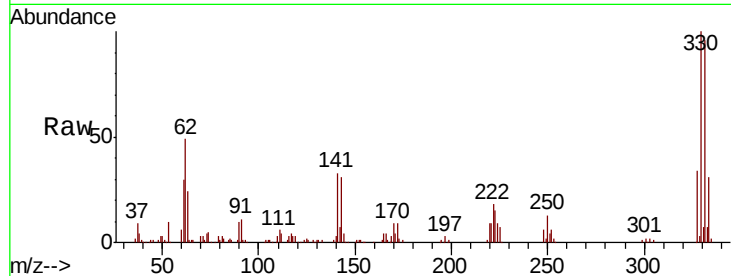




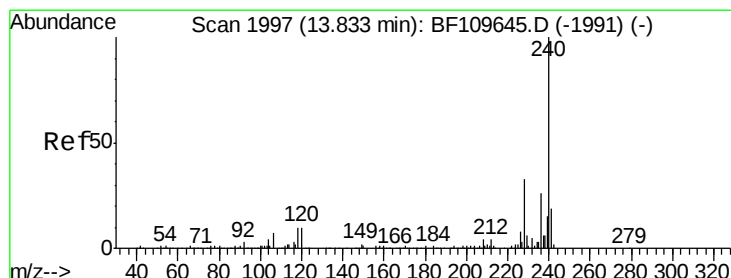
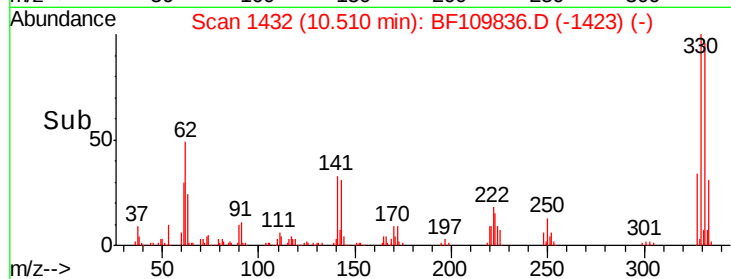
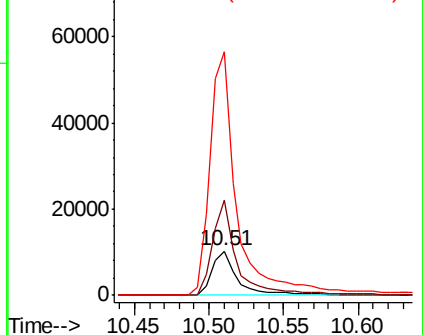
#66
 4-Bromophenyl-phenylether
 Concen: 2.784 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12268
 Ion Ratio Lower Upper
 248 100
 250 214.6 79.4 119.2#
 141 552.7 55.9 83.9#

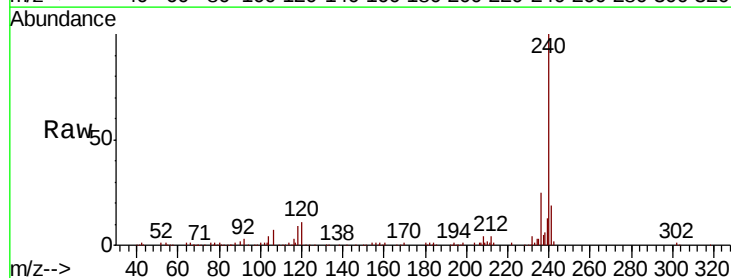


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

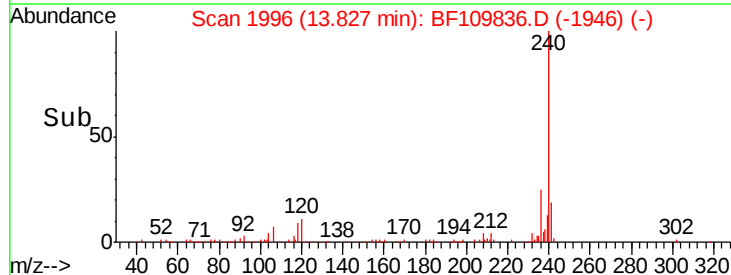
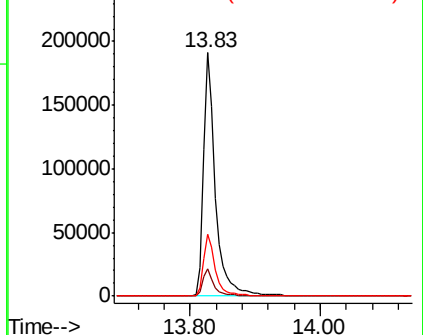


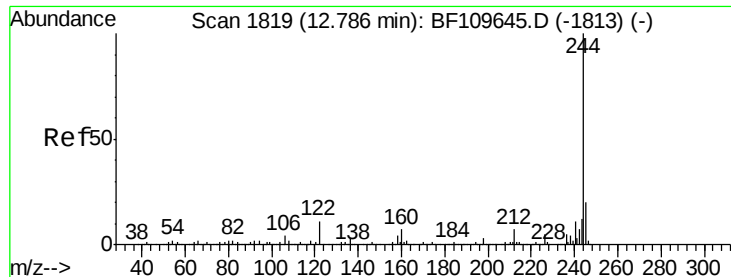
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109836.D
 Acq: 12 Oct 2018 16:24

Tgt Ion:240 Resp: 243298
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.3 12.5
 236 25.4 21.2 31.8



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: 100.428 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

Instrument :

BNA_F

ClientSampled :

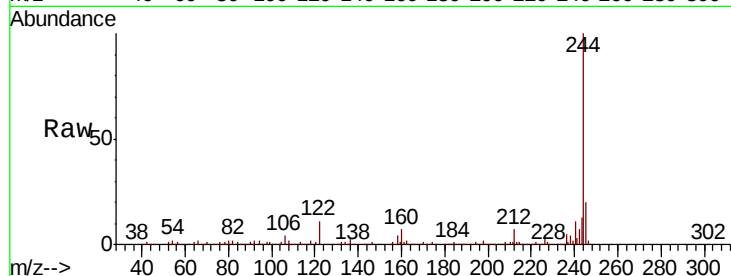
Tot Ion:244 Resp: 1262187

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

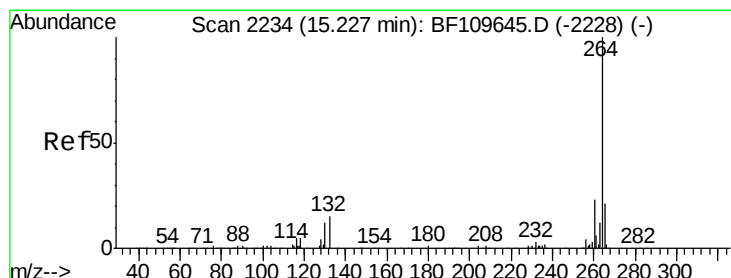
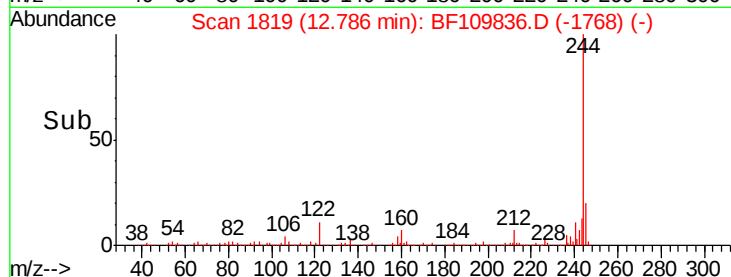
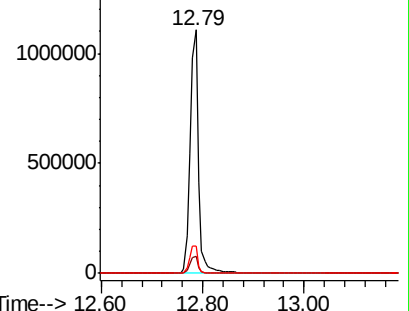
122 11.0 8.7 13.1



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: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109836.D

Acq: 12 Oct 2018 16:24

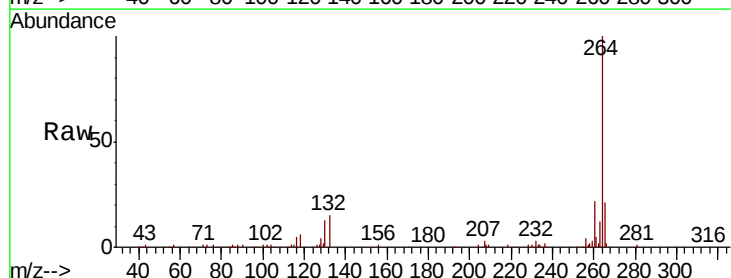
Tgt Ion:264 Resp: 202678

Ion Ratio Lower Upper

264 100

260 22.1 18.7 28.1

265 20.8 16.7 25.1



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

