

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100418\
 Data File : BF109603.D
 Acq On : 4 Oct 2018 22:29
 Operator : JU/SJ
 Sample : J5214-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N48963

Quant Time: Oct 05 01:32:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

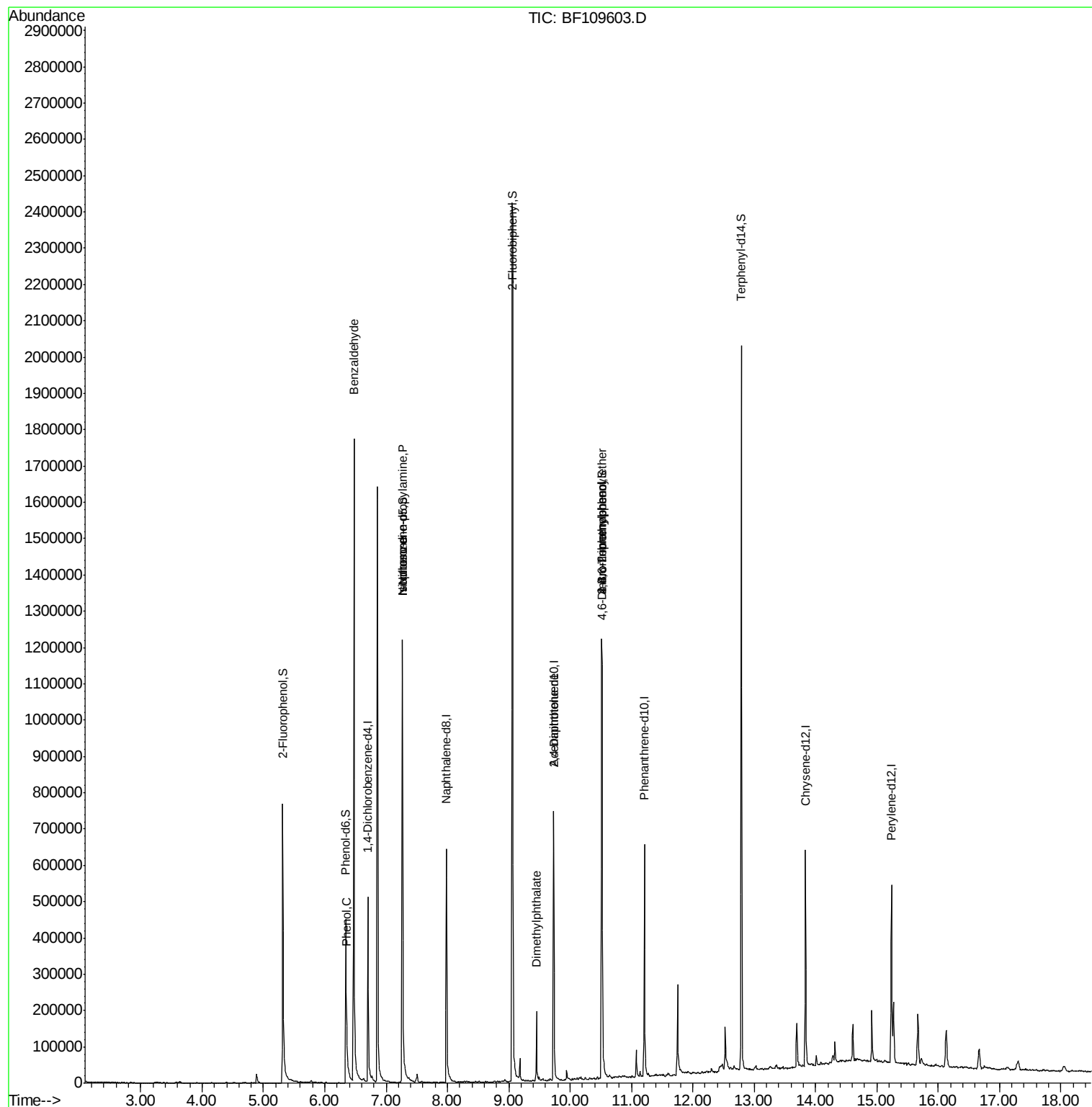
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	92993	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	355031	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	154475	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	257253	20.00	ng	0.00
75) Chrysene-d12	13.84	240	214548	20.00	ng	0.00
86) Perylene-d12	15.24	264	221456	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	266366	47.18	ng	0.00
7) Phenol-d6	6.35	99	211227	29.32	ng	-0.01
23) Nitrobenzene-d5	7.27	82	502472	83.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	176809	116.11	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	893715	87.26	ng	-0.01
78) Terphenyl-d14	12.79	244	694215	79.41	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.47	77	12169	2.629	ng	Qvalue # 73
10) Phenol	6.36	94	18173	2.227	ng	# 77
19) n-Nitroso-di-n-propylamine	7.27	70	66987	14.190	ng	# 76
25) Isophorone	7.27	82	485768	44.853	ng	# 64
49) Dimethylphthalate	9.45	163	76769	6.833	ng	100
56) 2,4-Dinitrotoluene	9.73	165	19984	7.098	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.53	198	429	6.880	ng	# 34
66) 4-Bromophenyl-phenylether	10.52	248	10574	3.701	ng	# 1

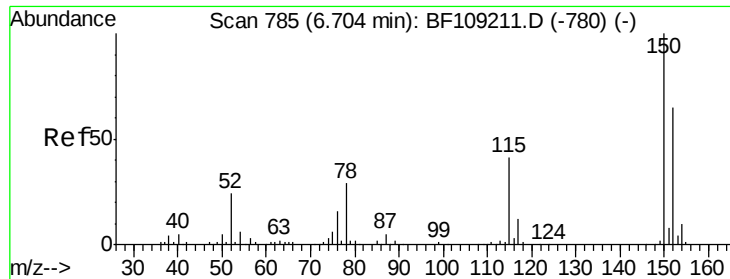
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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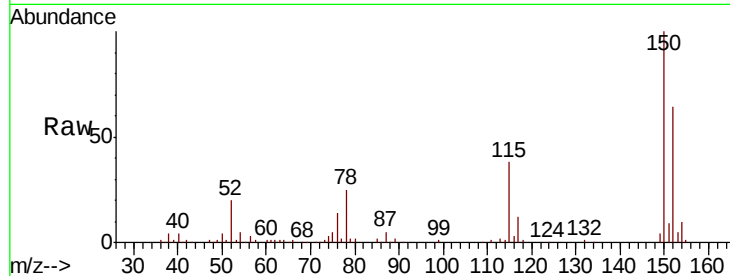


#1

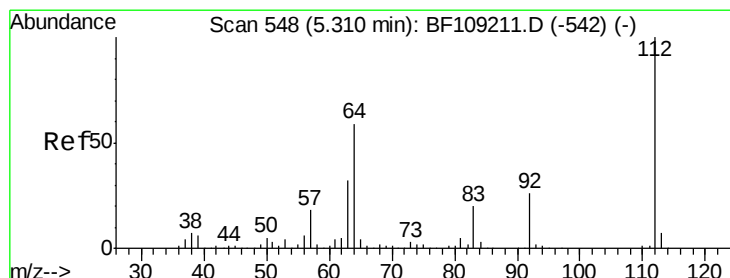
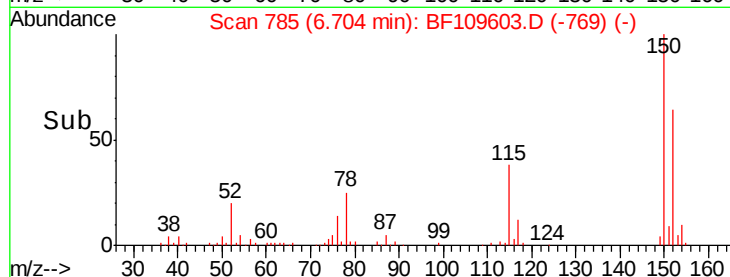
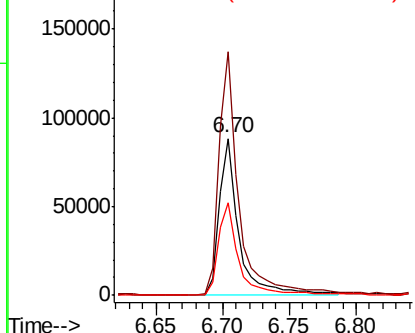
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Instrument :
BNA_F
ClientSampleId :
N48963

Tgt Ion:152 Resp: 92993
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 59.1 50.1 75.1



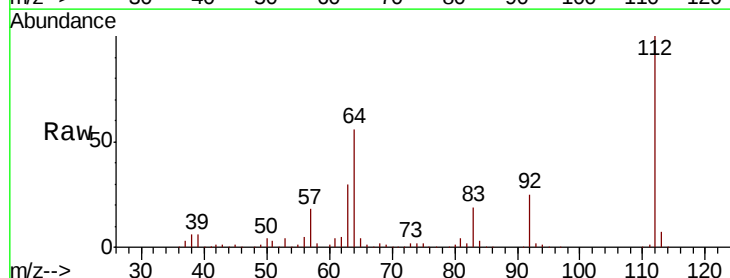
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



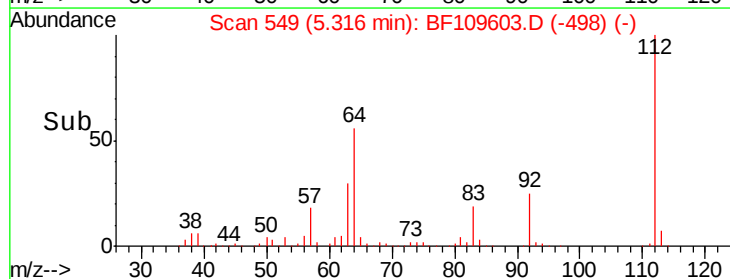
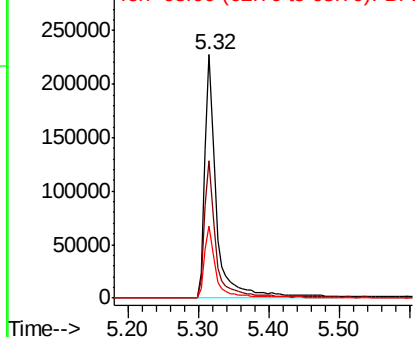
#5

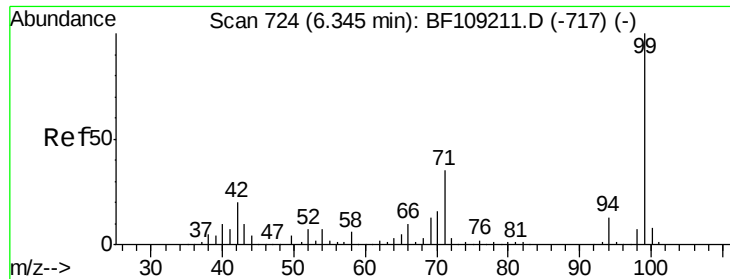
2-Fluorophenol
Concen: 47.178 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Tgt Ion:112 Resp: 266366
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 29.8 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: 29.319 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

Instrument :

BNA_F

ClientSampleId :

N48963

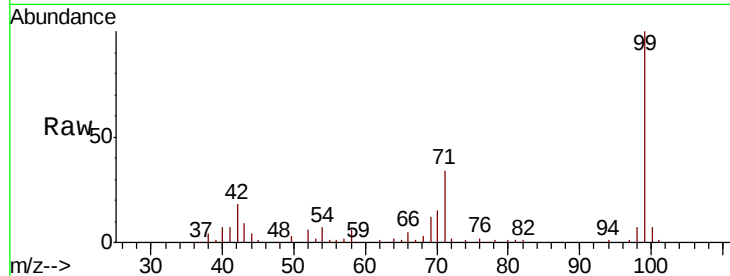
Tgt Ion: 99 Resp: 211227

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

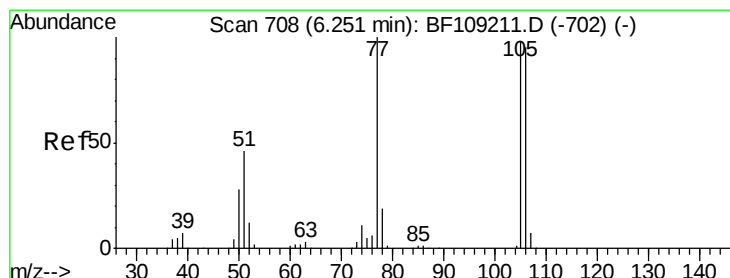
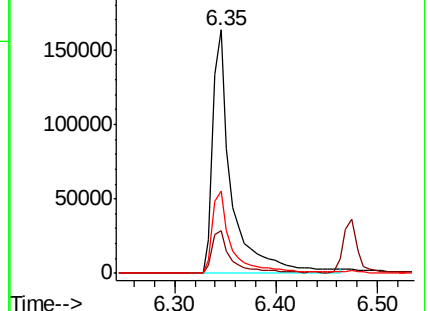
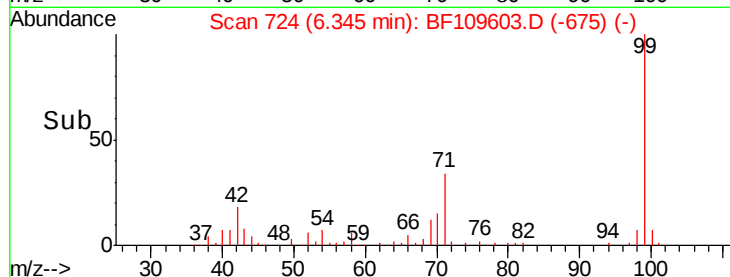
71 33.8 25.4 38.0



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: 2.629 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

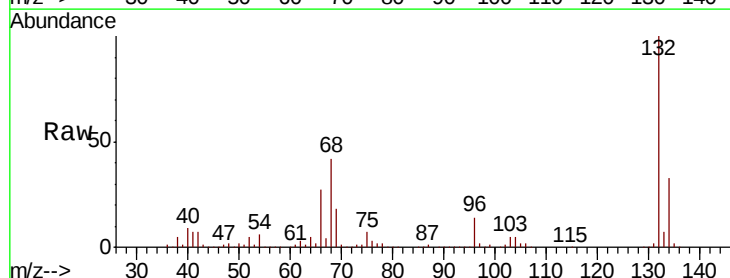
Tgt Ion: 77 Resp: 12169

Ion Ratio Lower Upper

77 100

105 75.5 81.1 121.1#

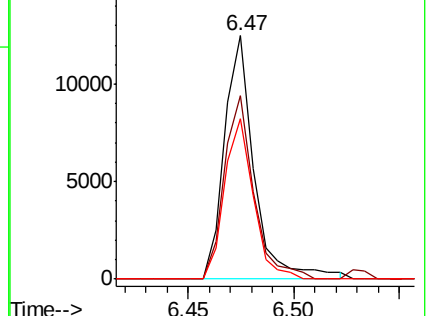
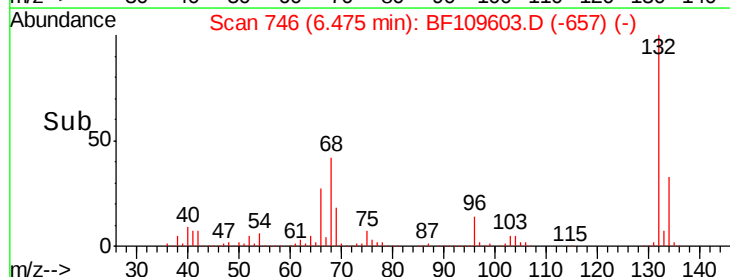
106 66.1 74.5 114.5#

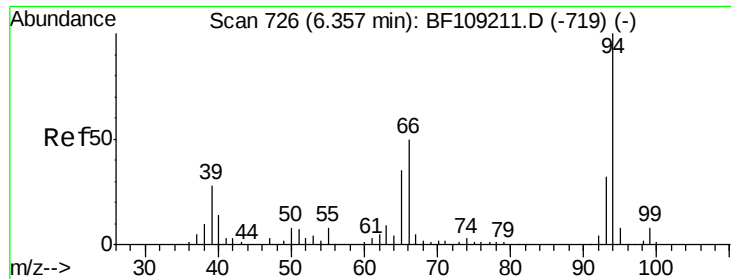


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

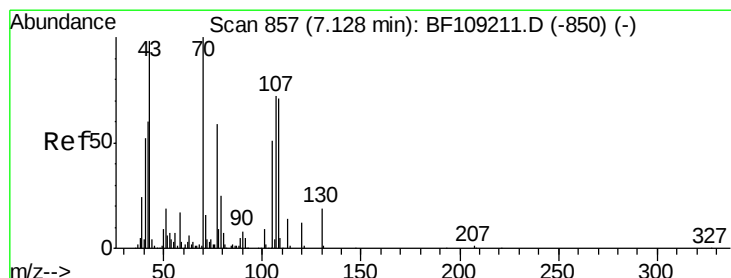
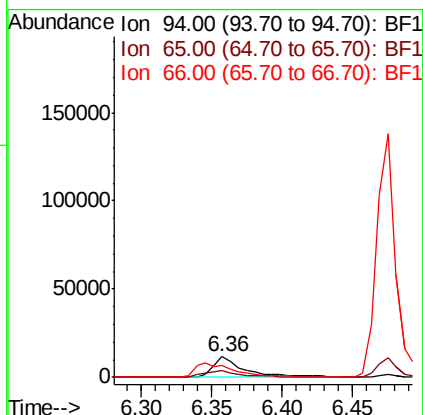
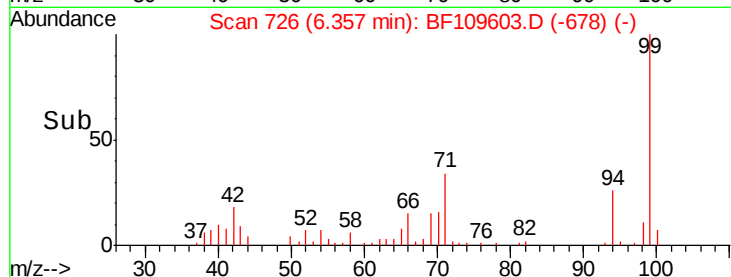
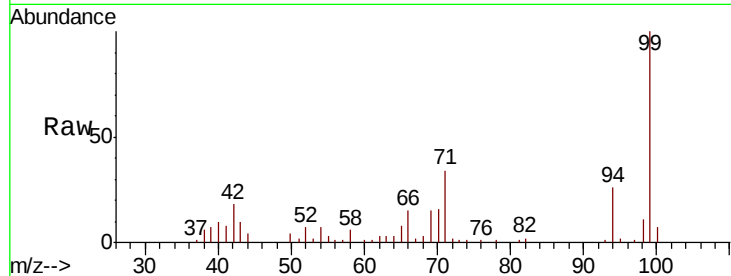




#10
Phenol
Concen: 2.227 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

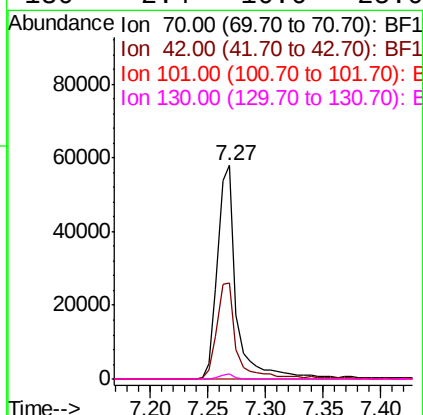
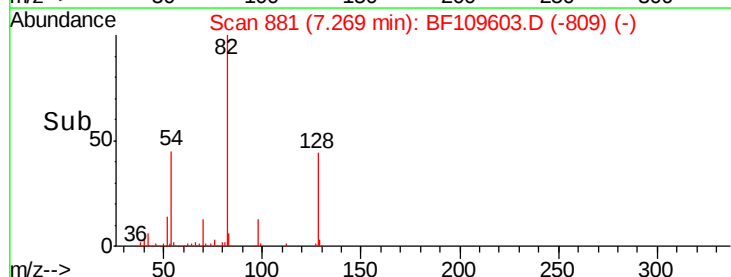
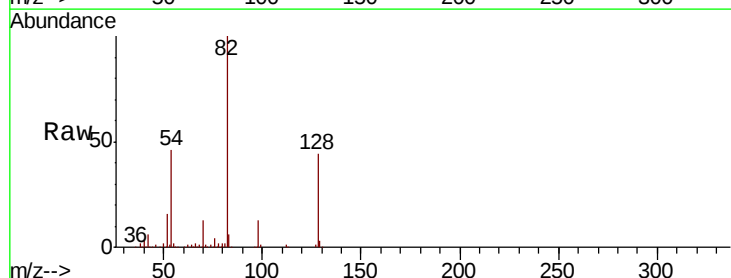
Instrument :
BNA_F
ClientSampleId :
N48963

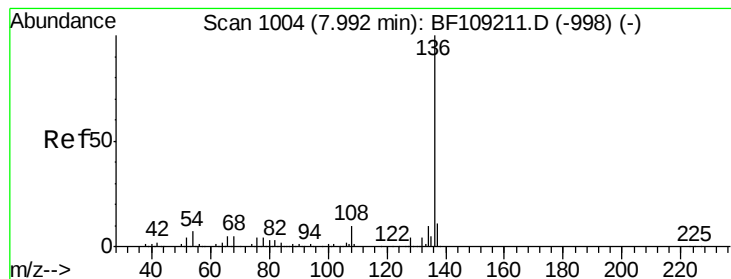
Tgt Ion: 94 Resp: 18173
Ion Ratio Lower Upper
94 100
65 32.1 7.9 47.9
66 56.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.190 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Tgt Ion: 70 Resp: 66987
Ion Ratio Lower Upper
70 100
42 45.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

Instrument :

BNA_F

ClientSampleId :

N48963

Tgt Ion:136 Resp: 355031

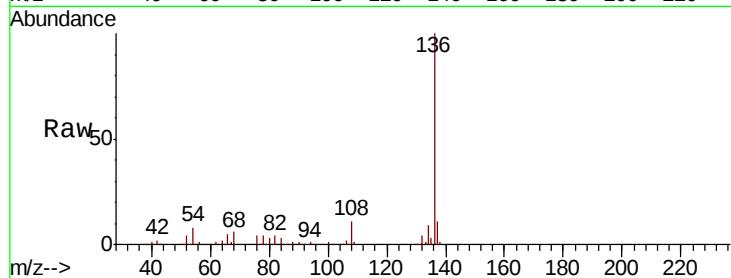
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

68 5.5 5.0 7.4

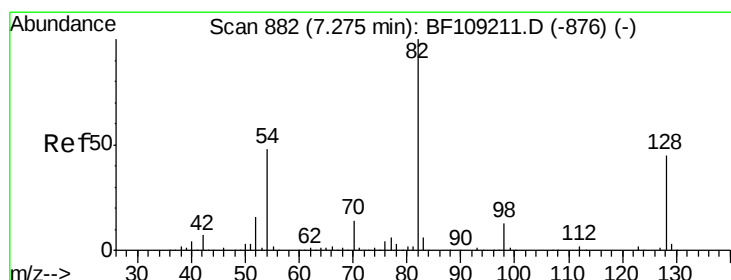
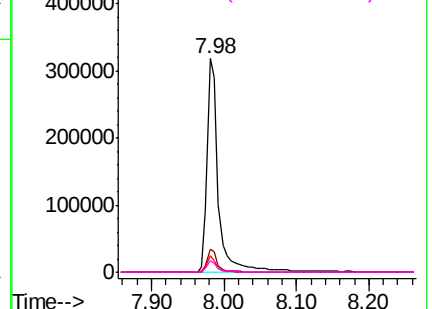
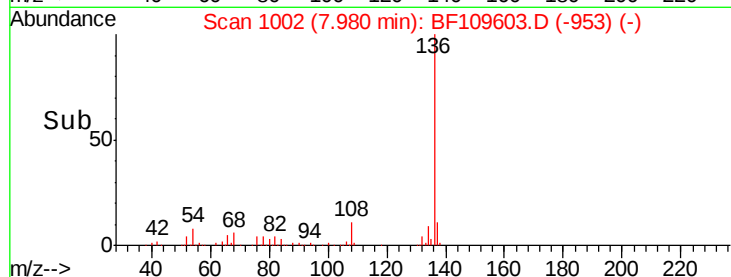


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.547 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

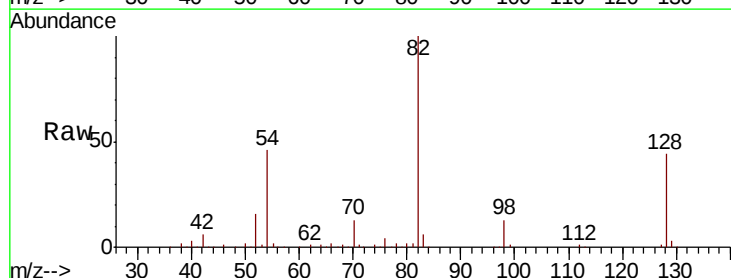
Tgt Ion: 82 Resp: 502472

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

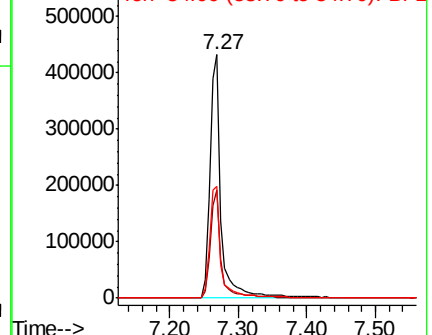
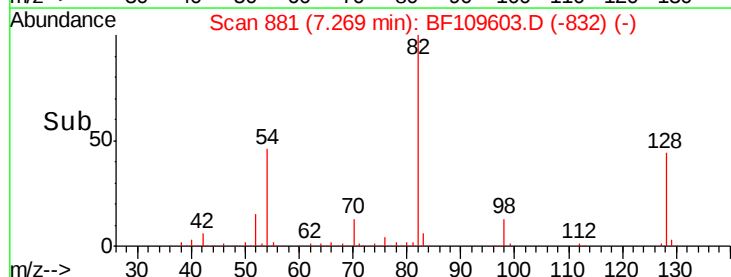
54 45.8 41.4 62.2

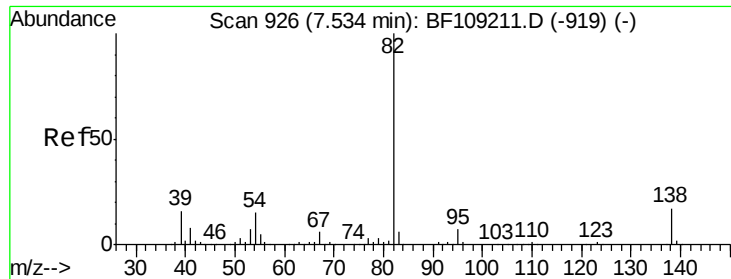


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

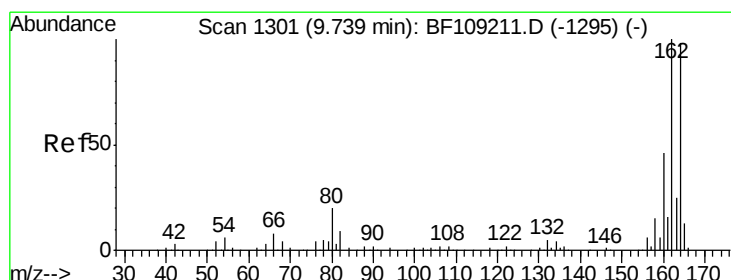
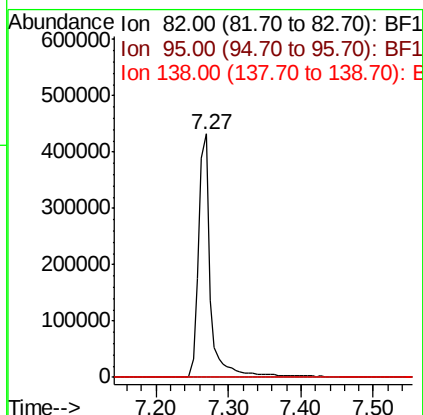
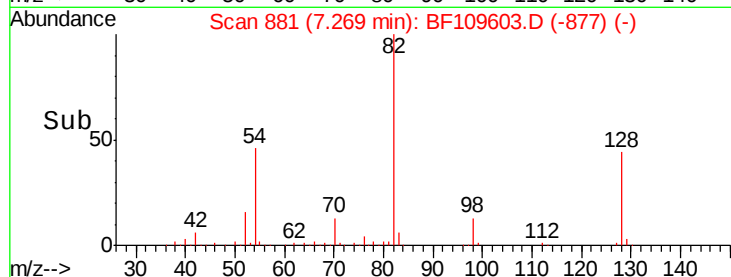
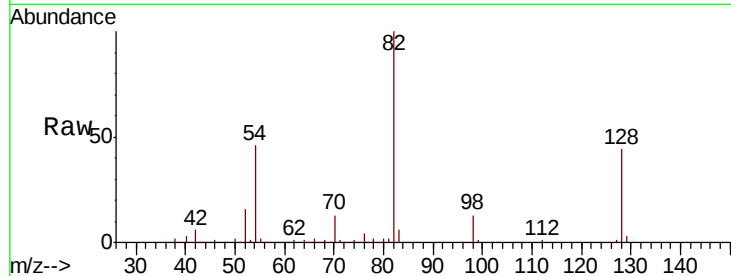




#25
Isophorone
Concen: 44.853 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

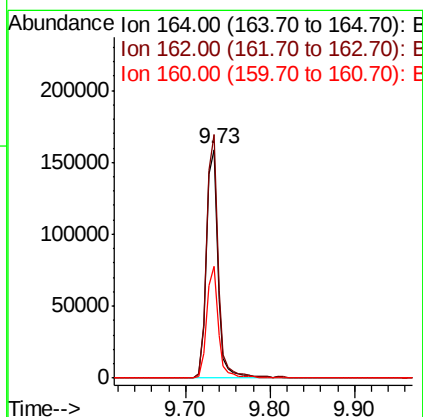
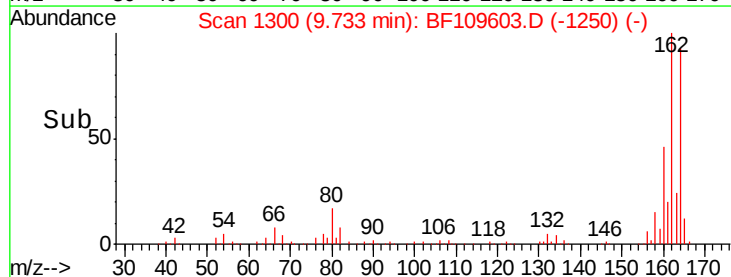
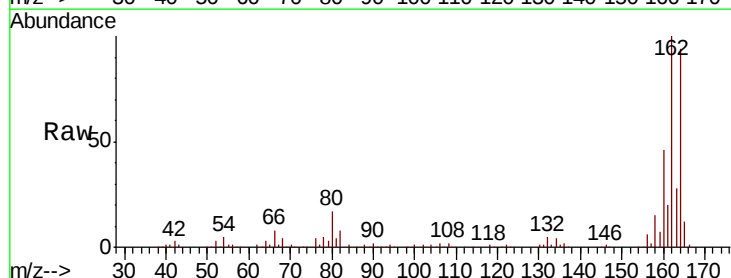
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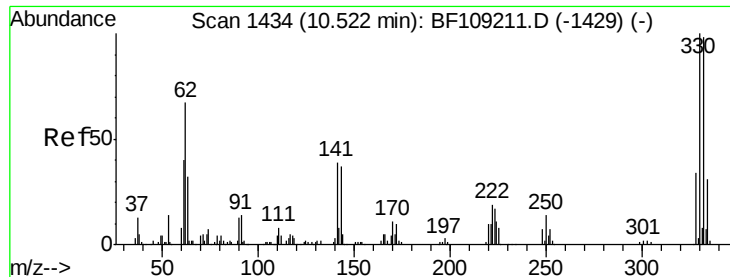
Tgt Ion: 82 Resp: 485768
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Tgt Ion: 164 Resp: 154475
Ion Ratio Lower Upper
164 100
162 106.5 86.1 129.1
160 48.9 38.3 57.5

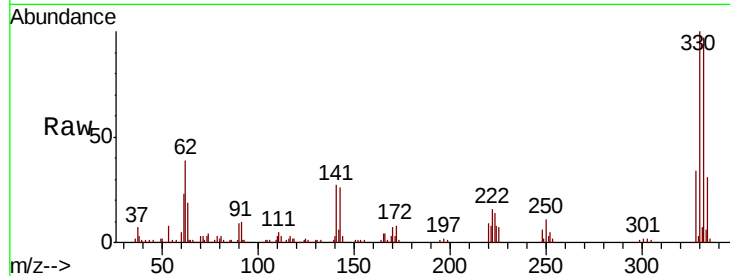




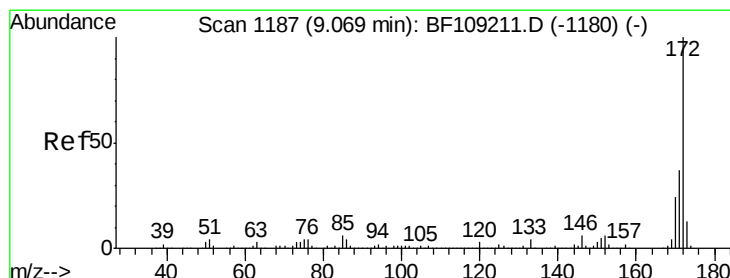
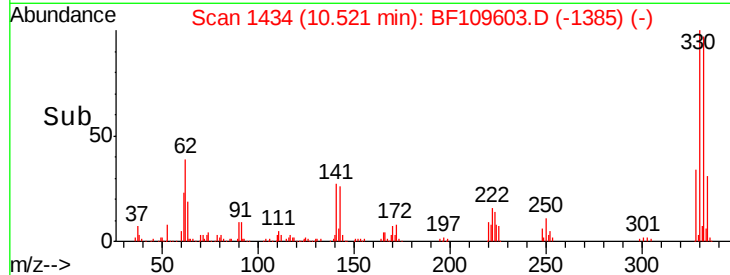
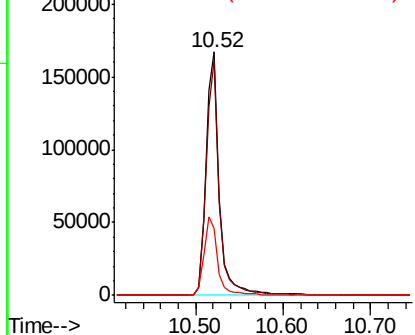
#41
 2,4,6-Tribromophenol
 Concen: 116.108 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109603.D
 Acq: 4 Oct 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 N48963

Tgt Ion:330 Resp: 176809
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 33.8 29.9 44.9

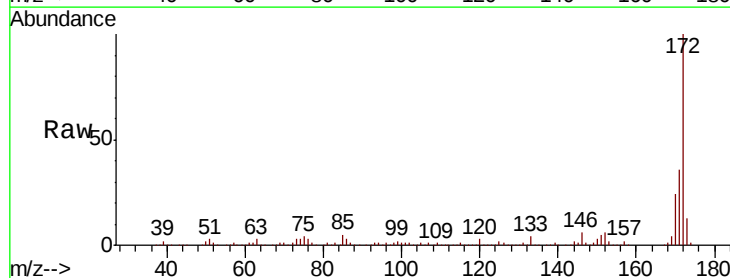


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

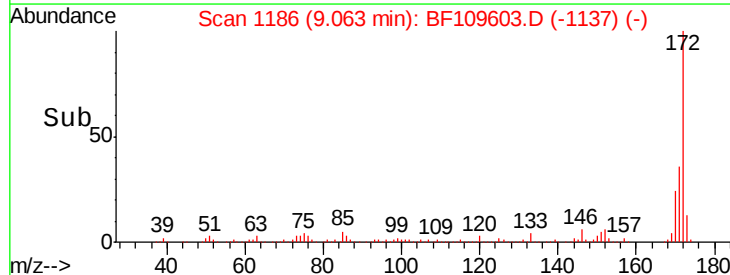
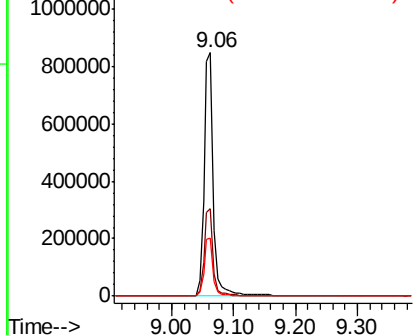


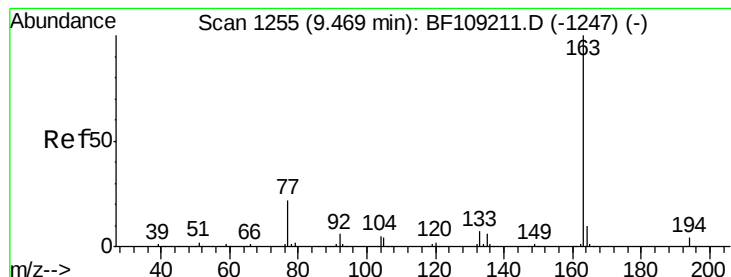
#44
 2-Fluorobiphenyl
 Concen: 87.256 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109603.D
 Acq: 4 Oct 2018 22:29

Tgt Ion:172 Resp: 893715
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.8 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: 6.833 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

Instrument :

BNA_F

ClientSampleId :

N48963

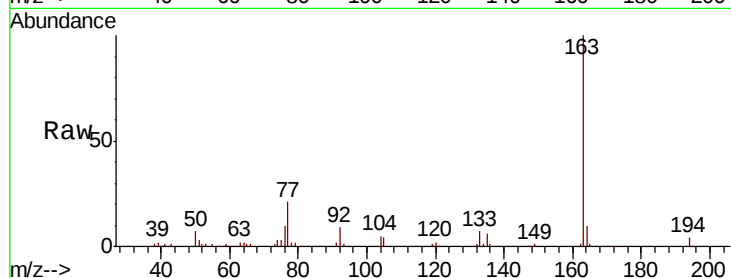
Tgt Ion:163 Resp: 76769

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

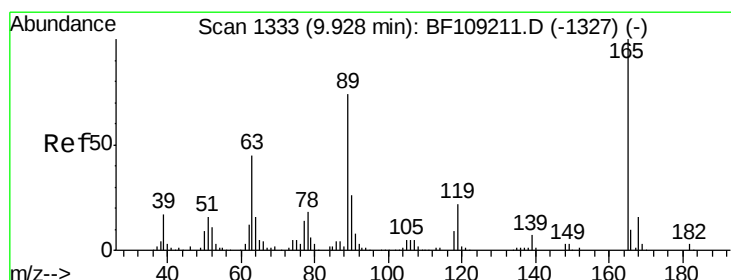
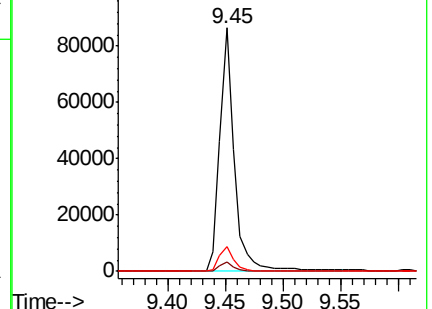
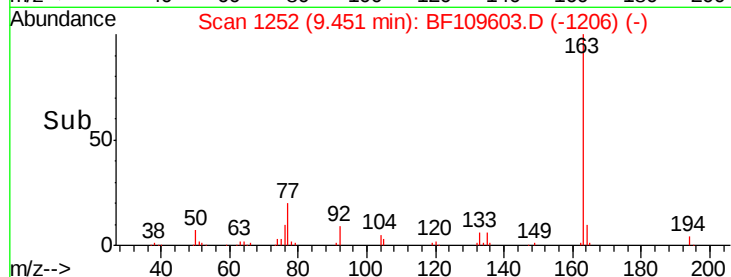
164 10.2 8.2 12.2



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: 7.098 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.21 min

Lab File: BF109603.D

Acq: 4 Oct 2018 22:29

Tgt Ion:165 Resp: 19984

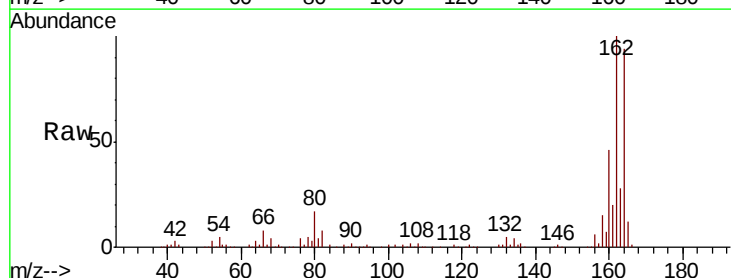
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

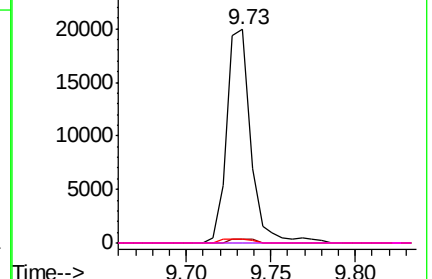
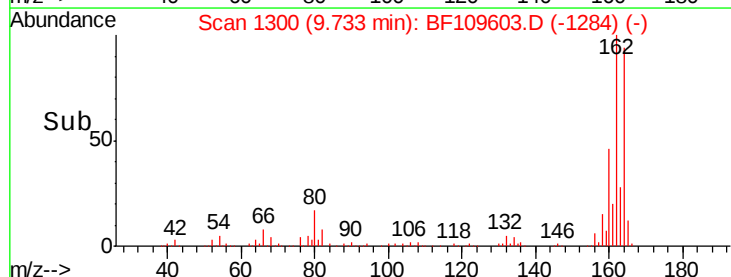


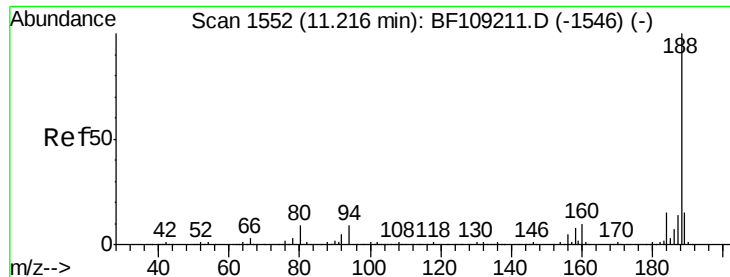
Abundance Ion 165.00 (164.70 to 165.70): E

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

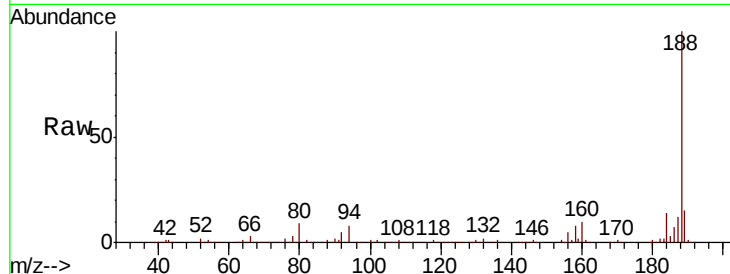




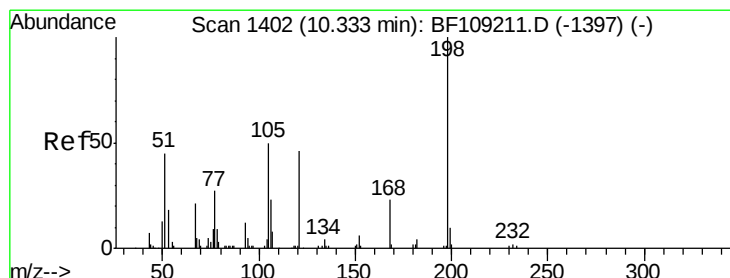
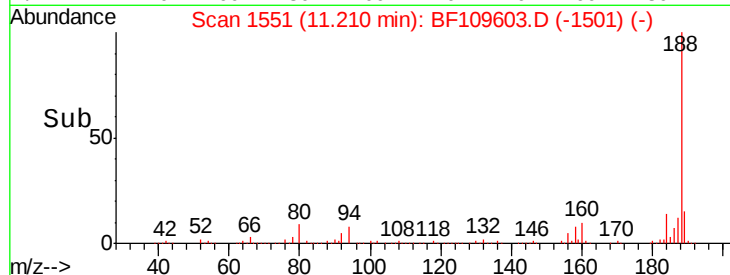
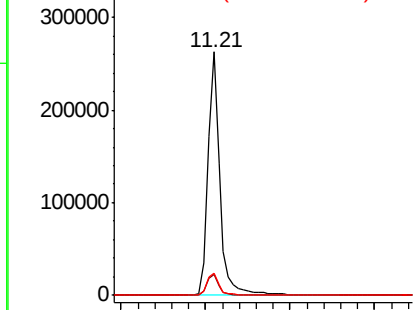
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Instrument :
BNA_F
ClientSampleId :
N48963

Tgt Ion:188 Resp: 257253
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.3 9.2 13.8

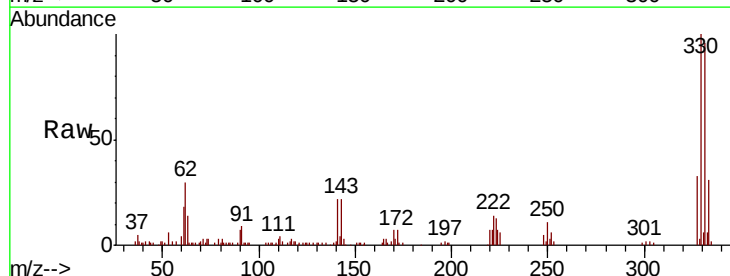


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

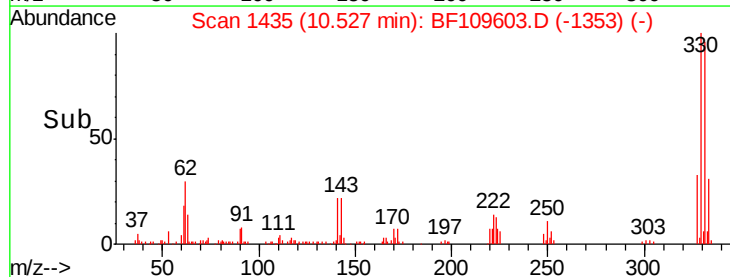
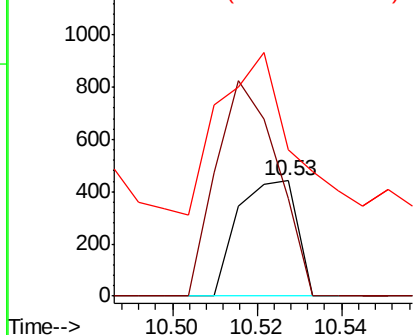


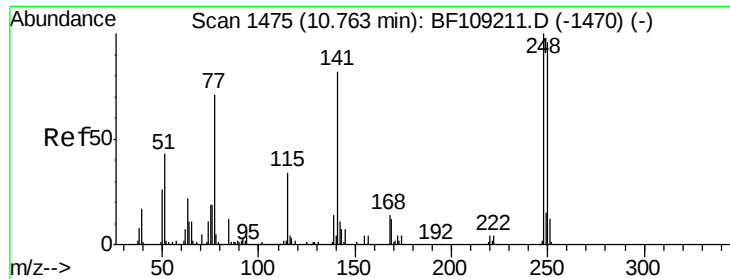
#64
4,6-Dinitro-2-methylphenol
Concen: 6.880 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.18 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Tgt Ion:198 Resp: 429
Ion Ratio Lower Upper
198 100
51 84.6 37.7 77.7#
105 127.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

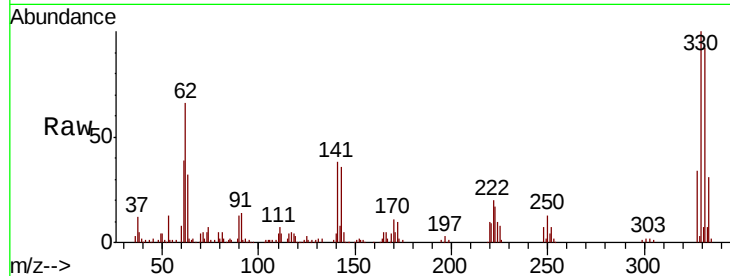




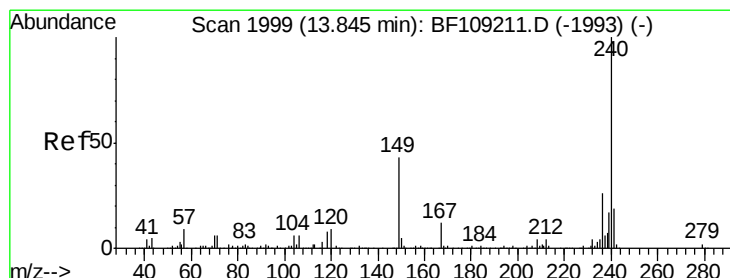
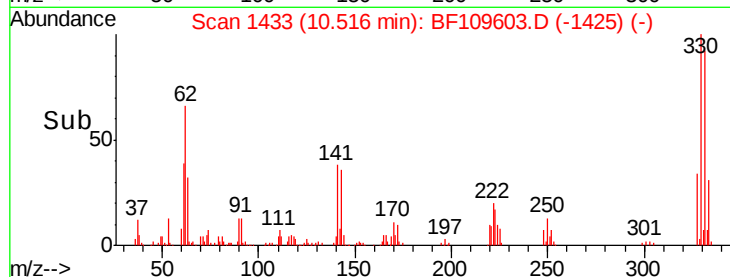
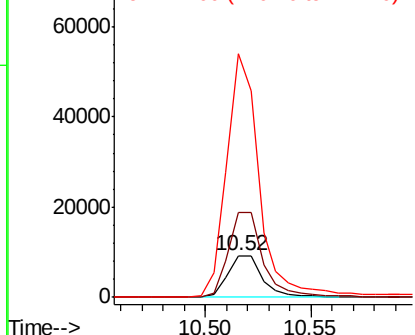
#66
4-Bromophenyl-phenylether
Concen: 3.701 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Instrument :
BNA_F
ClientSampleId :
N48963

Tgt Ion:248 Resp: 10574
Ion Ratio Lower Upper
248 100
250 203.5 76.9 115.3#
141 580.4 74.4 111.6#

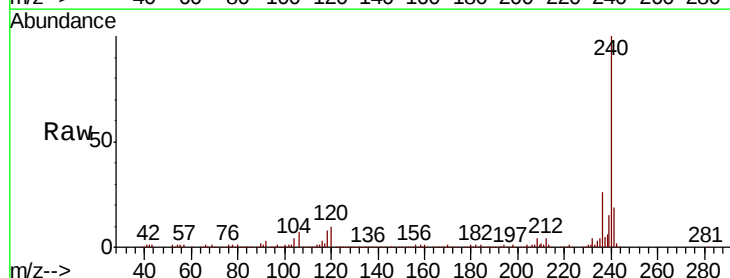


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

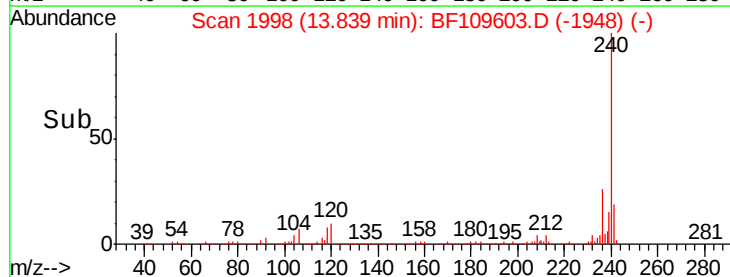
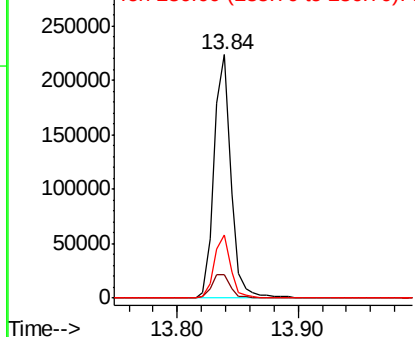


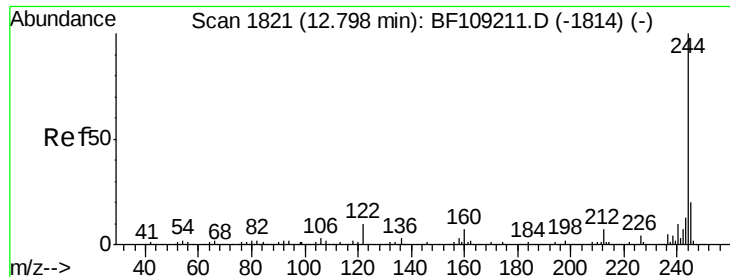
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109603.D
Acq: 4 Oct 2018 22:29

Tgt Ion:240 Resp: 214548
Ion Ratio Lower Upper
240 100
120 9.8 9.5 14.3
236 25.7 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

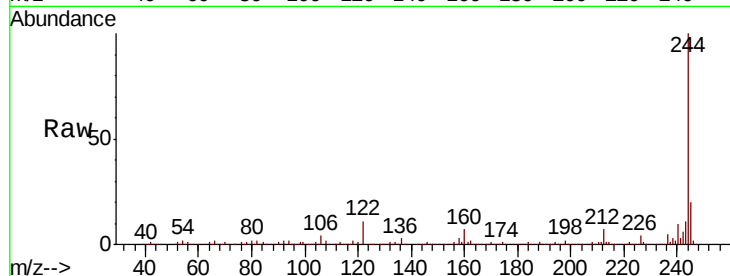




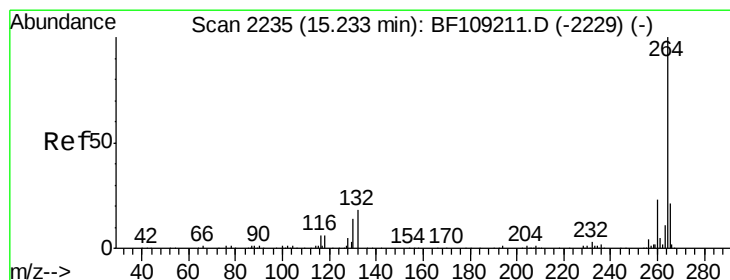
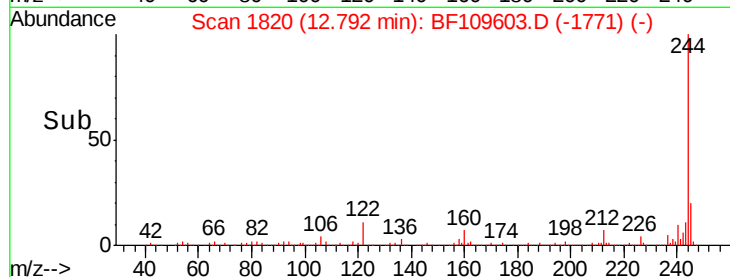
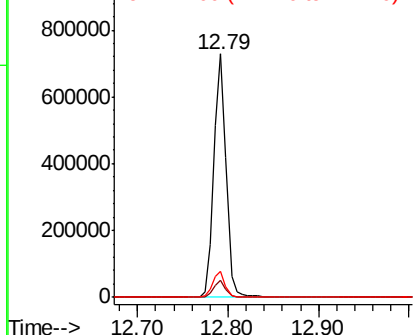
#78
 Terphenyl-d14
 Concen: 79.410 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109603.D
 Acq: 4 Oct 2018 22:29

Instrument :
 BNA_F
 ClientSampleId :
 N48963

Tgt Ion:244 Resp: 694215
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 10.9 11.0 16.4#

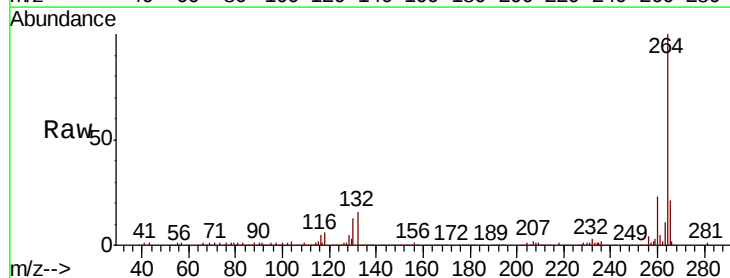


Abundance Ion 244.00 (243.70 to 244.70): E
 1000000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF109603.D
 Acq: 4 Oct 2018 22:29

Tgt Ion:264 Resp: 221456
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 250000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

