

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108762.D
 Acq On : 5 Sep 2018 3:19
 Operator : JU/SJ
 Sample : PB112567BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 08:02:49 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

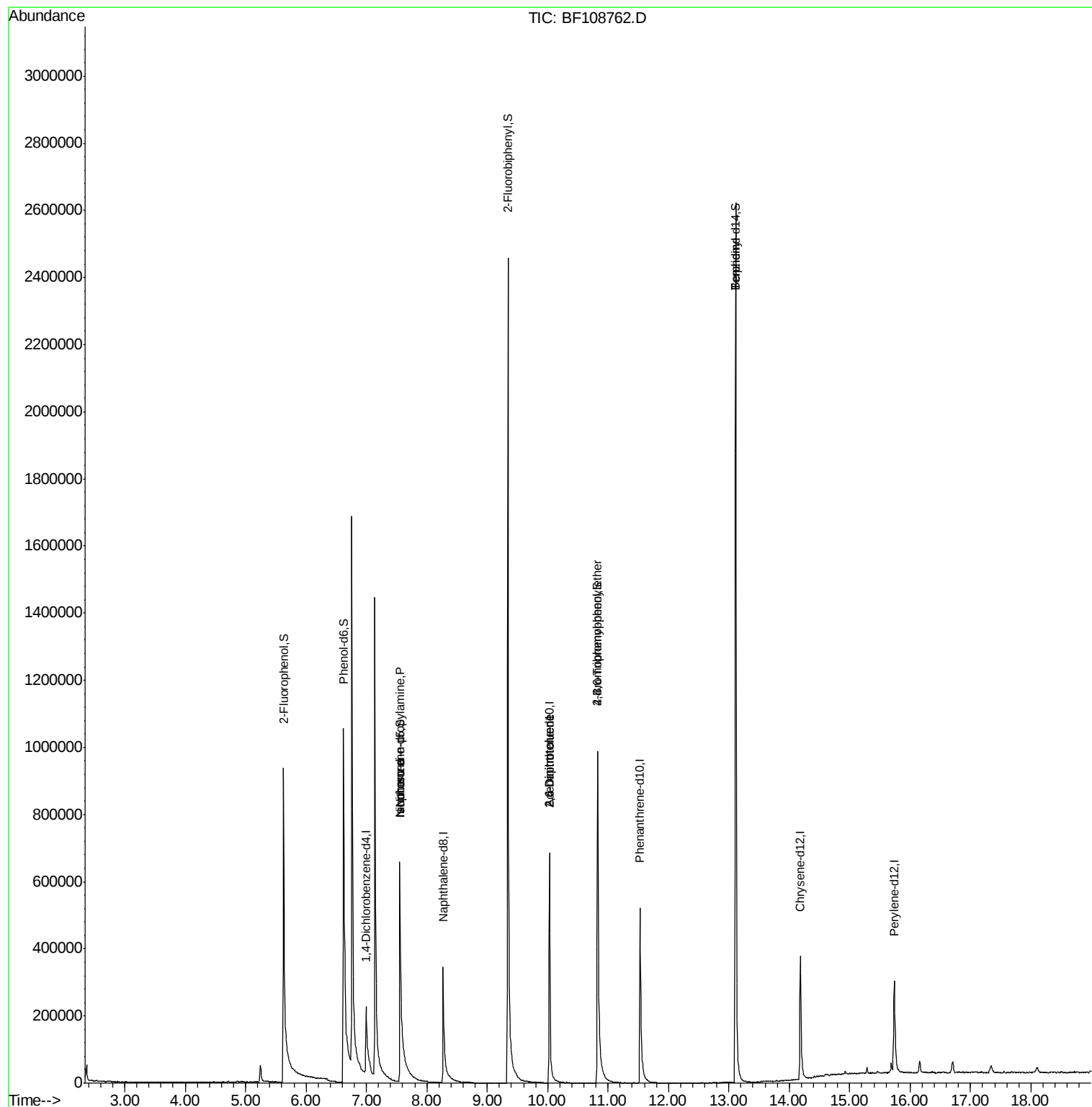
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	79570	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	335193	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	182340	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	371163	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	209381	20.00	ng	-0.02
86) Perylene-d12	15.74	264	206484	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	498156	108.76	ng	-0.02
7) Phenol-d6	6.62	99	814245	124.12	ng	-0.03
23) Nitrobenzene-d5	7.55	82	538099	81.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	221658	92.08	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	1131812	83.46	ng	-0.02
78) Terphenyl-d14	13.11	244	1136077	105.42	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	63324	14.414	ng	# 82
25) Isophorone	7.55	82	538099	49.053	ng	# 64
50) 2,6-Dinitrotoluene	10.03	165	21205	6.700	ng	# 25
56) 2,4-Dinitrotoluene	10.03	165	22271	5.314	ng	# 23
66) 4-Bromophenyl-phenylether	10.83	248	14508	3.180	ng	# 1
76) Benzidine	13.11	184	15064	2.556	ng	95

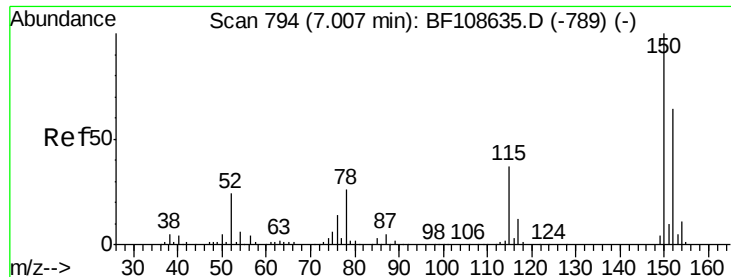
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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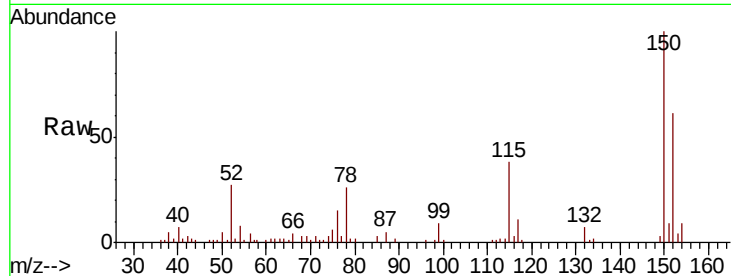


#1

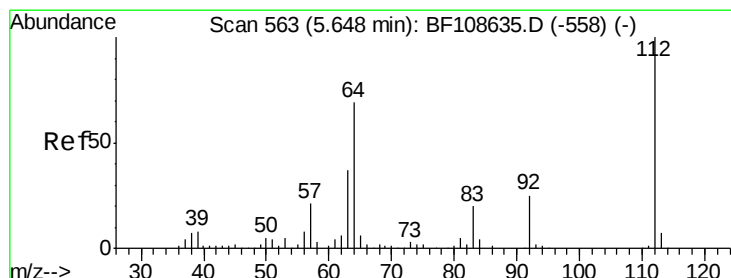
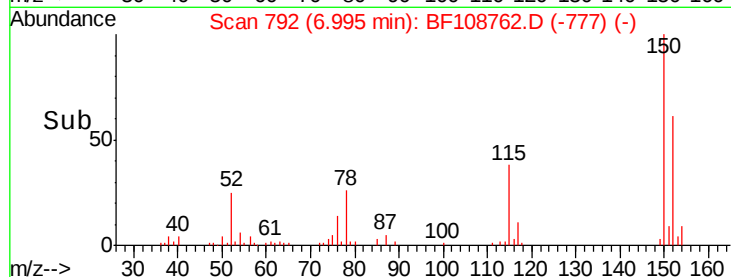
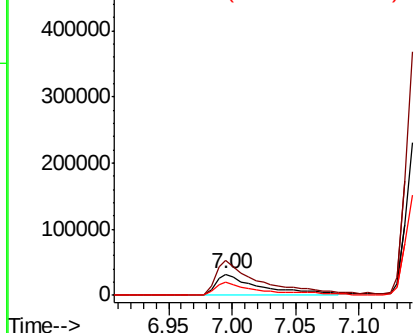
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108762.D
Acq: 5 Sep 2018 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79570
Ion Ratio Lower Upper
152 100
150 163.1 124.6 186.8
115 62.0 50.1 75.1



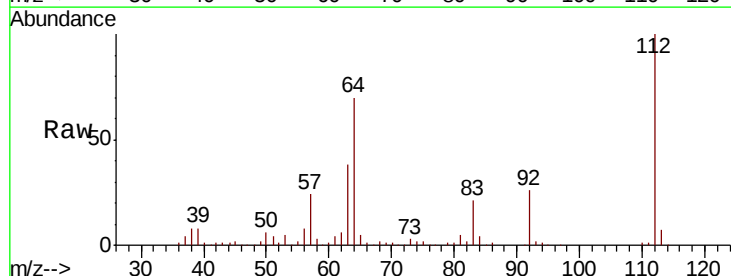
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



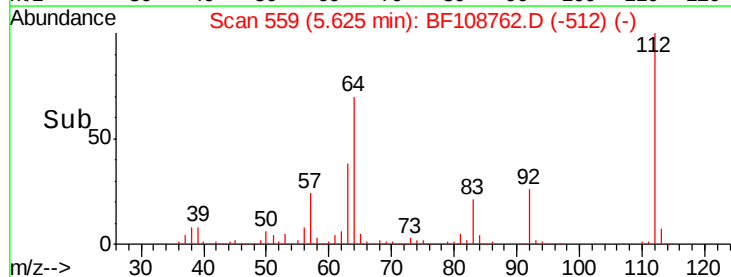
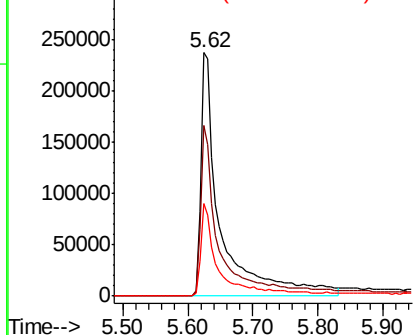
#5

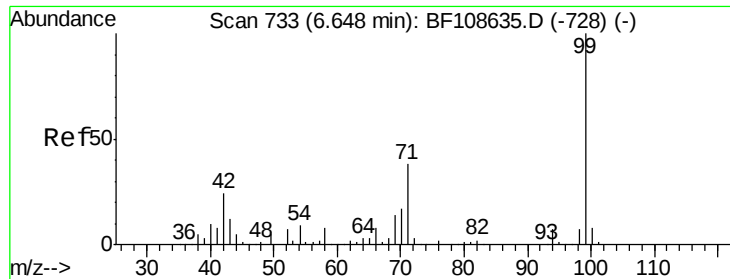
2-Fluorophenol
Concen: 108.759 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108762.D
Acq: 5 Sep 2018 3:19

Tgt Ion:112 Resp: 498156
Ion Ratio Lower Upper
112 100
64 70.1 47.9 71.9
63 38.0 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: 124.118 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

Instrument :

BNA_F

ClientSampleId :

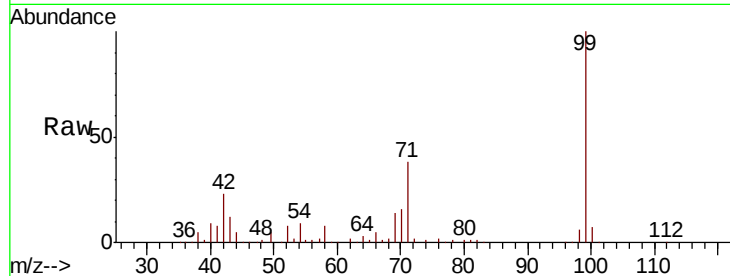
Tot Ion: 99 Resp: 814245

Ion Ratio Lower Upper

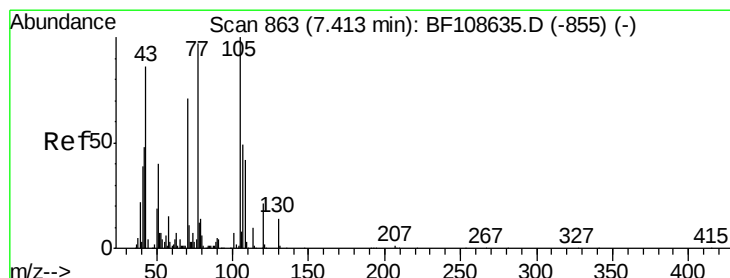
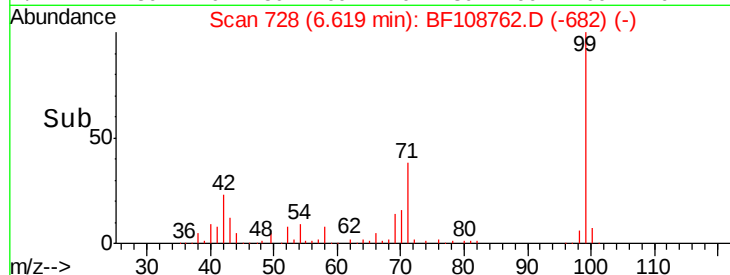
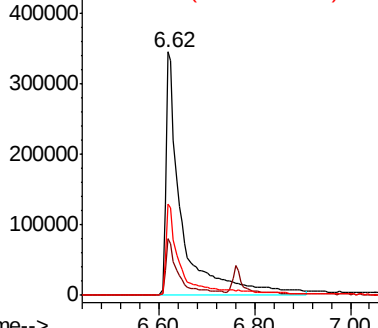
99 100

42 23.3 14.5 21.7#

71 37.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.414 ng

RT: 7.55 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

Tgt Ion: 70 Resp: 63324

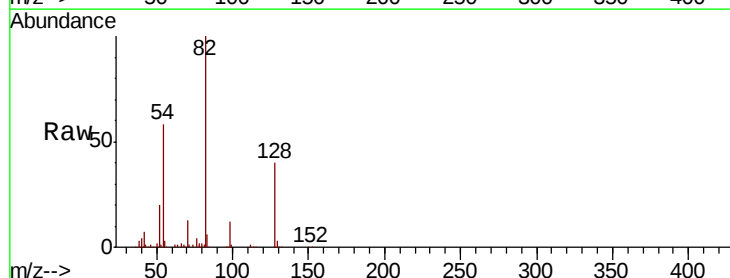
Ion Ratio Lower Upper

70 100

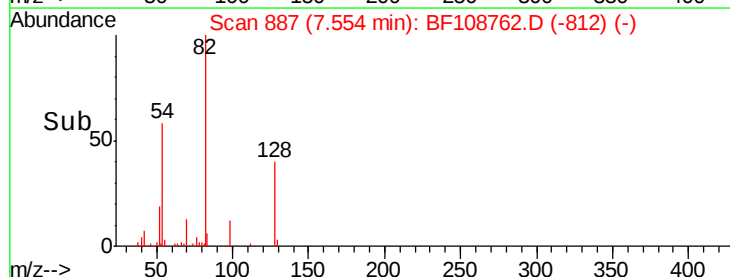
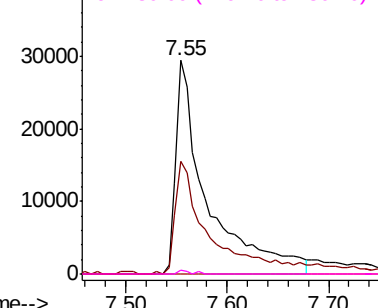
42 52.6 47.5 71.3

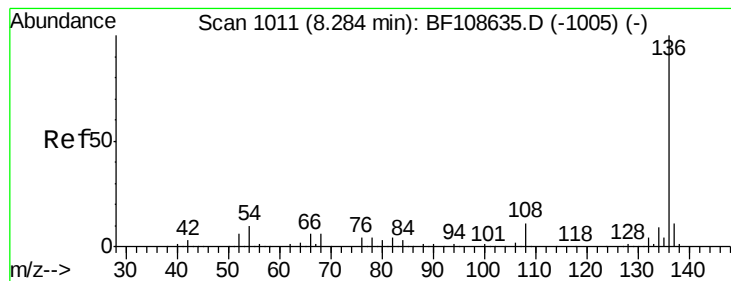
101 0.0 7.4 11.2#

130 2.1 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: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 335193

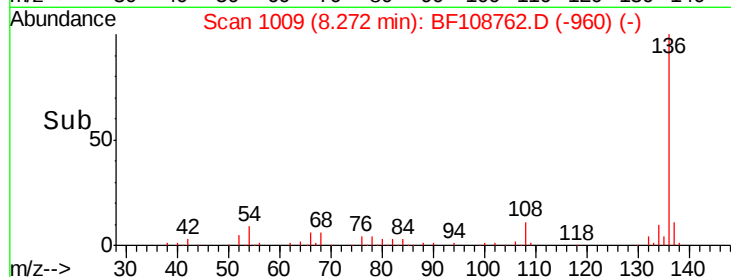
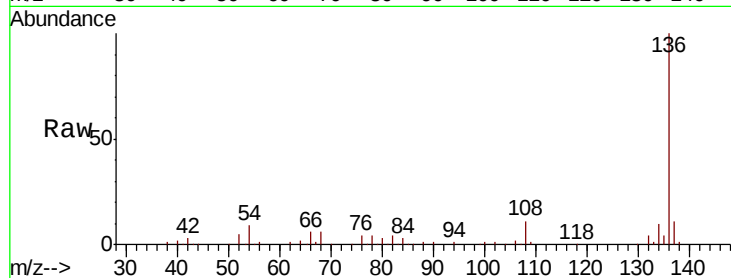
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.2 6.6 9.8

68 5.5 5.0 7.4

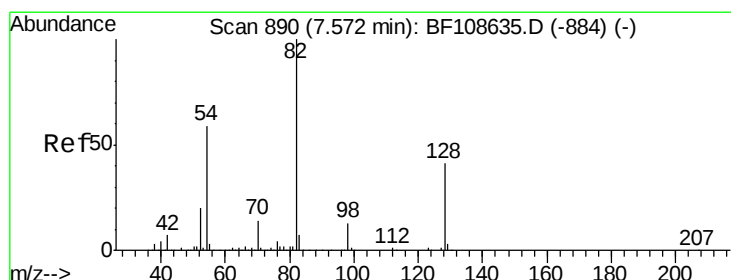
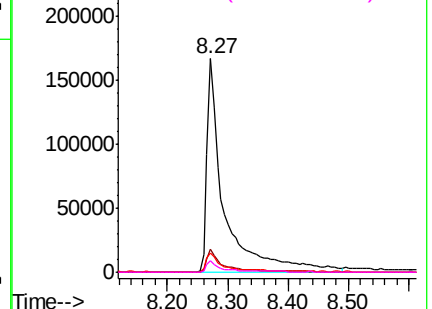


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.485 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

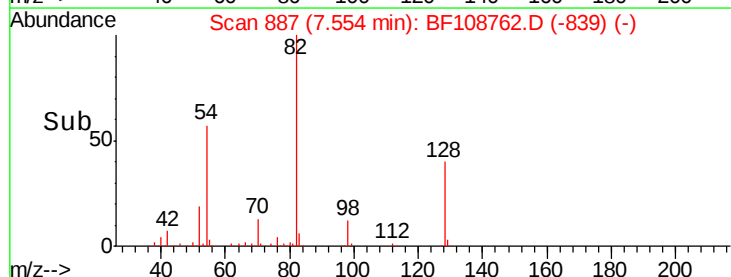
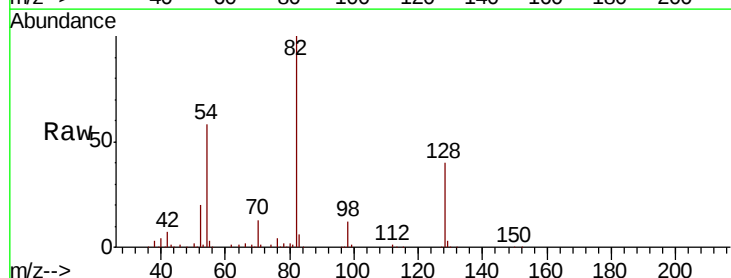
Tgt Ion: 82 Resp: 538099

Ion Ratio Lower Upper

82 100

128 40.2 36.1 54.1

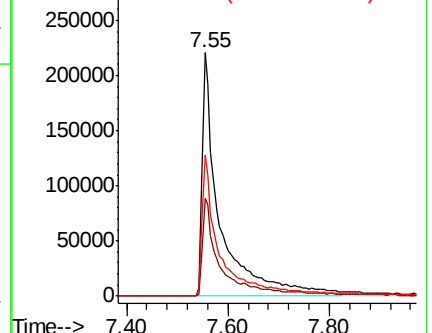
54 57.8 41.4 62.2

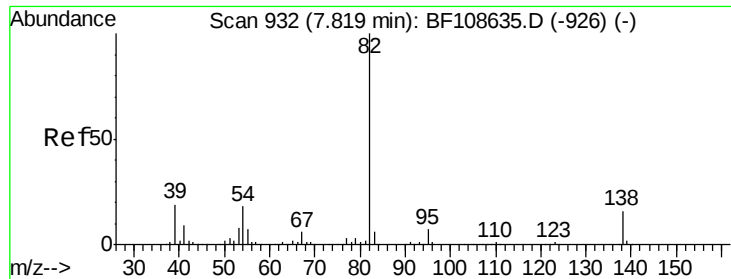


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.053 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.26 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

Instrument :

BNA_F

ClientSampled :

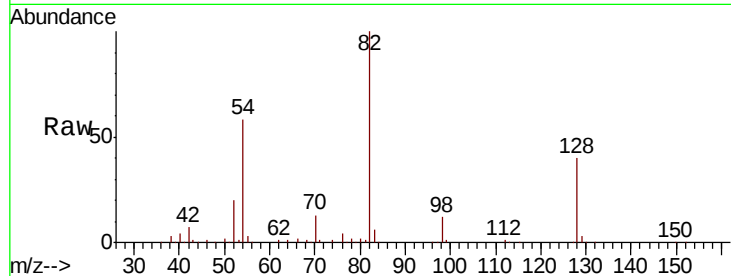
Tot Ion: 82 Resp: 538099

Ion Ratio Lower Upper

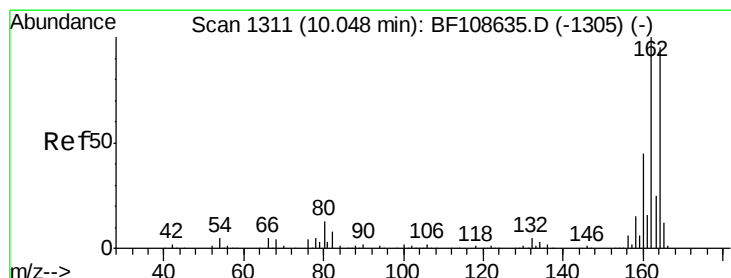
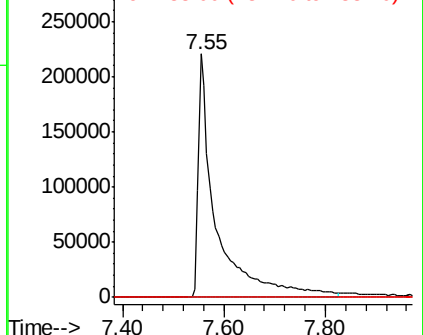
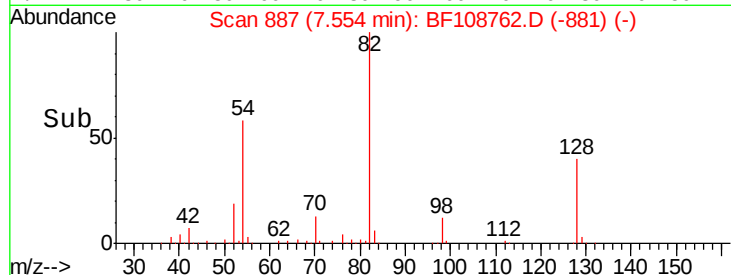
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

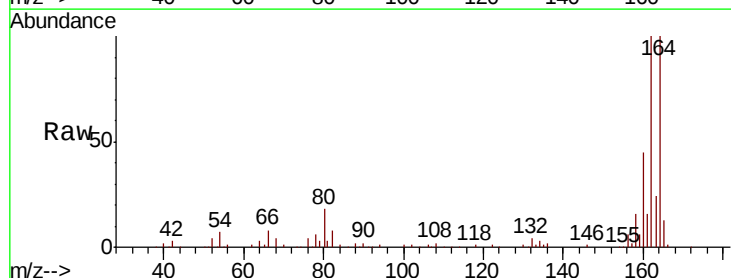
Tgt Ion:164 Resp: 182340

Ion Ratio Lower Upper

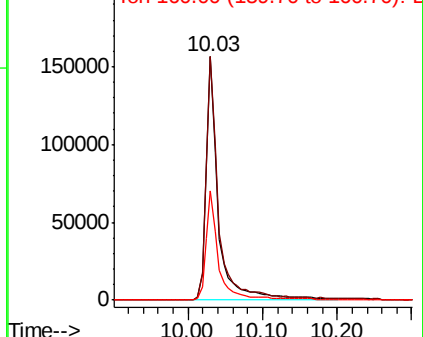
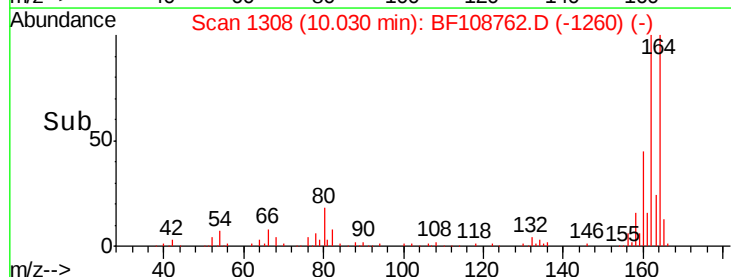
164 100

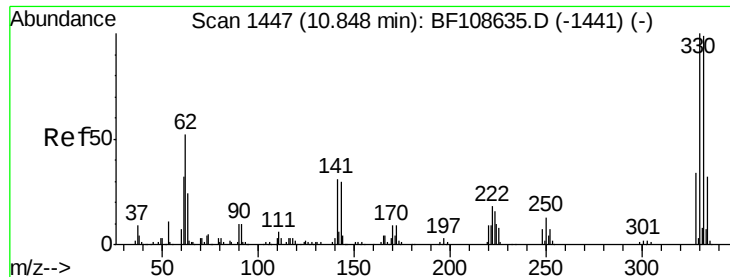
162 100.1 86.1 129.1

160 45.0 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

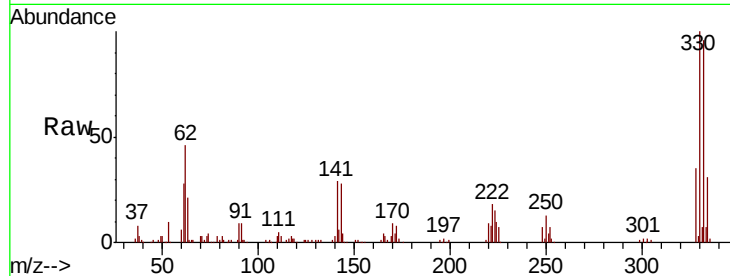




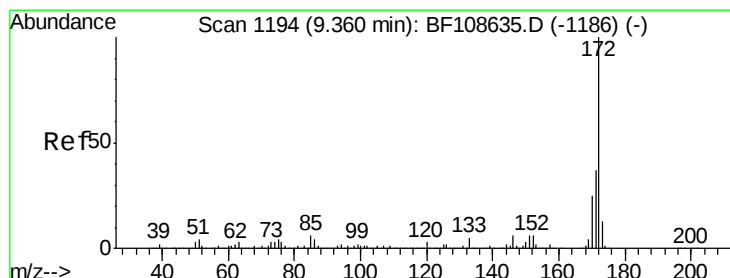
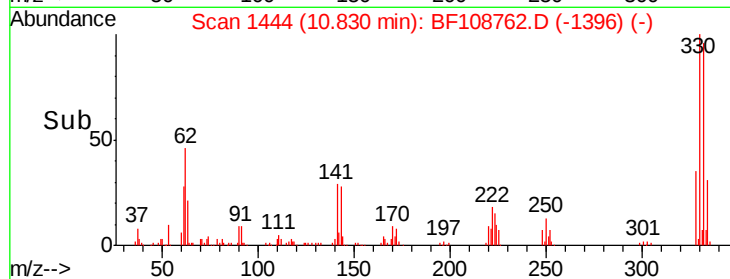
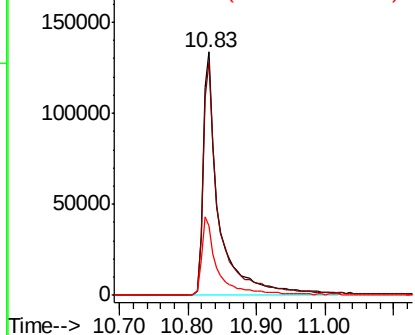
#41
 2,4,6-Tribromophenol
 Concen: 92.085 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 221658
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 32.6 29.9 44.9

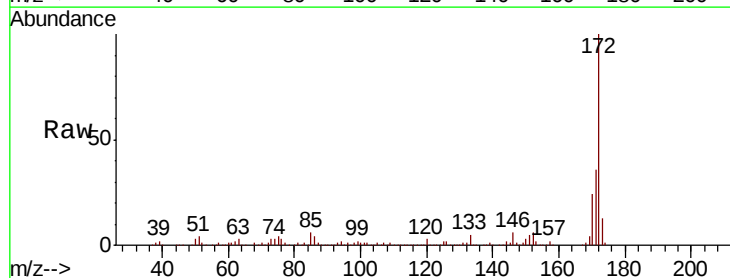


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

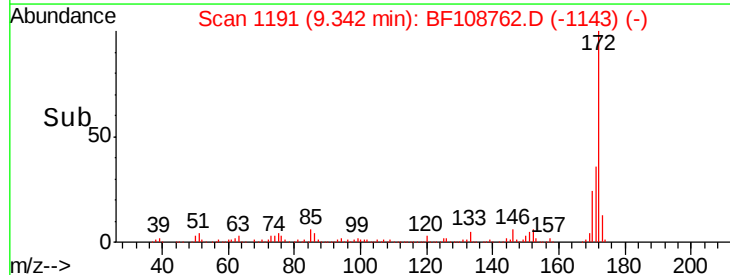
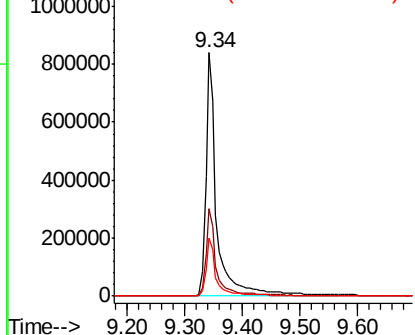


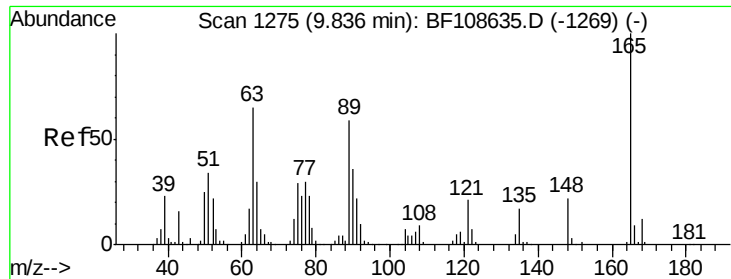
#44
 2-Fluorobiphenyl
 Concen: 83.460 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Tgt Ion:172 Resp: 1131812
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 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

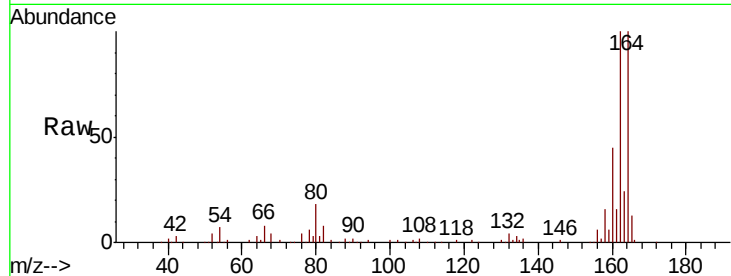




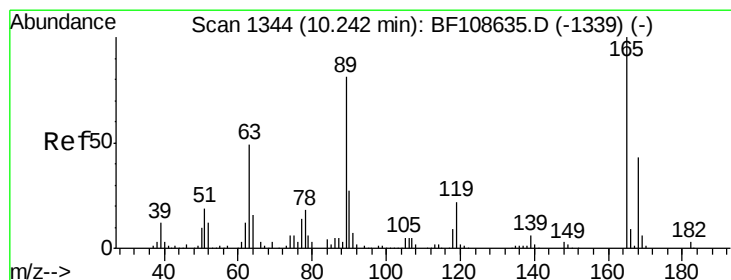
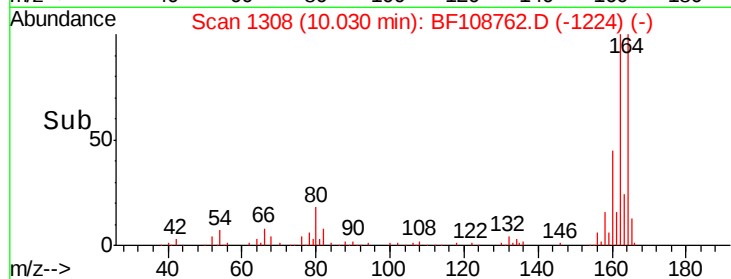
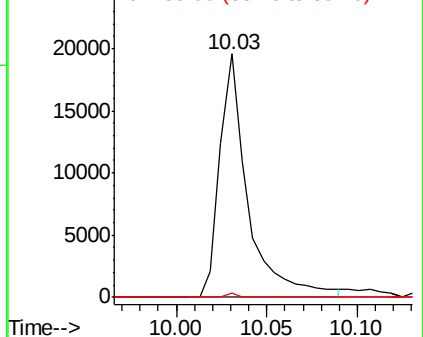
#50
 2,6-Dinitrotoluene
 Concen: 6.700 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. 0.19 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.8	44.0	66.0#



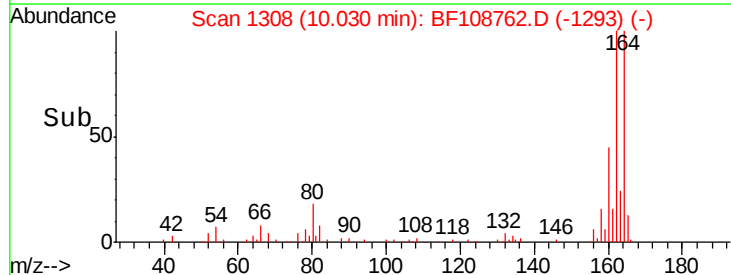
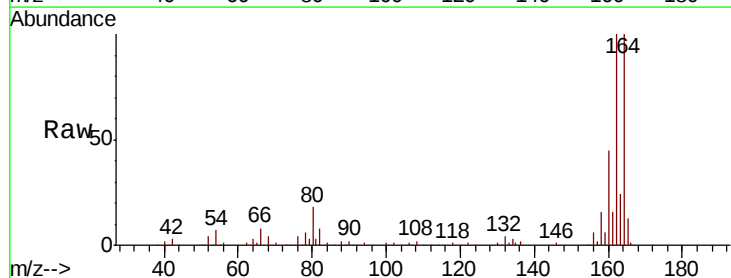
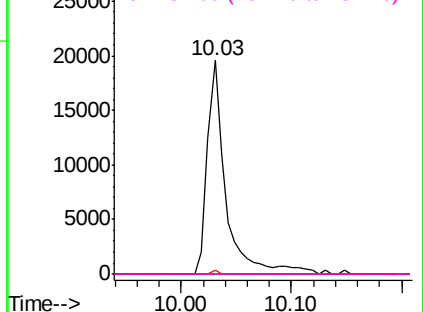
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

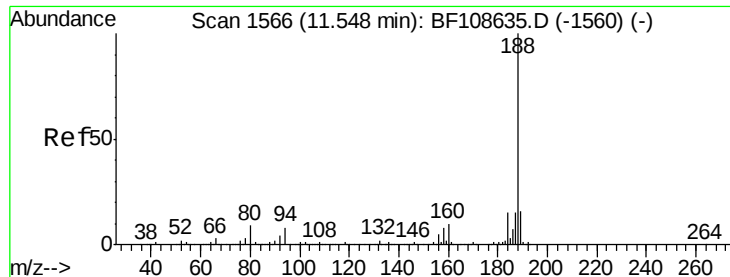


#56
 2,4-Dinitrotoluene
 Concen: 5.314 ng
 RT: 10.03 min Scan# 1308
 Delta R.T. -0.21 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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

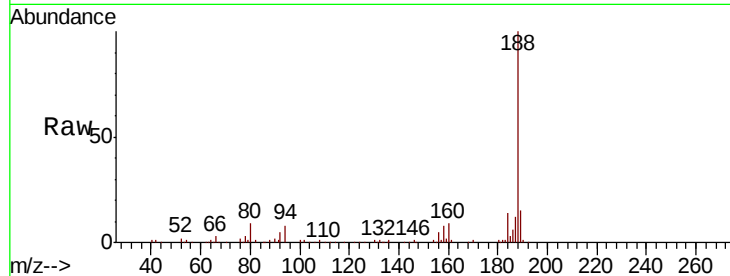




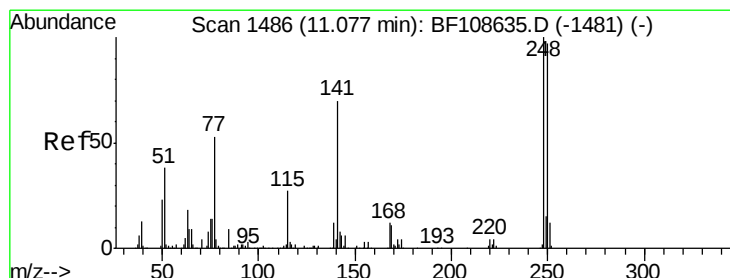
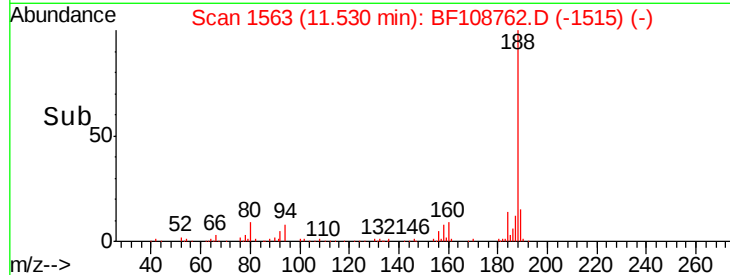
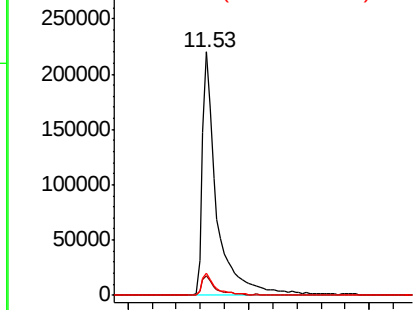
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 371163
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.5 12.7#
 80 9.0 9.2 13.8#

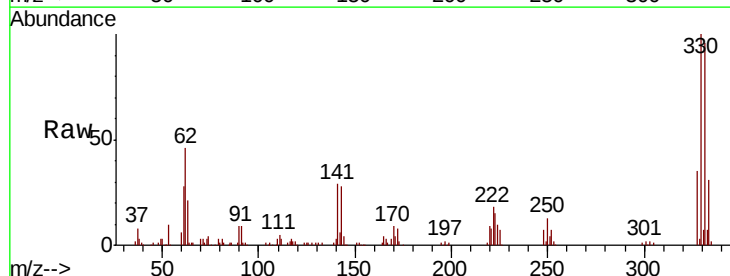


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

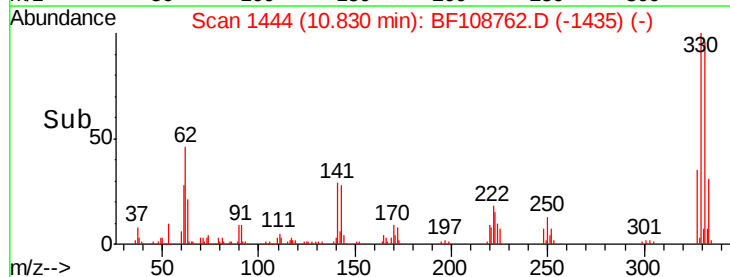
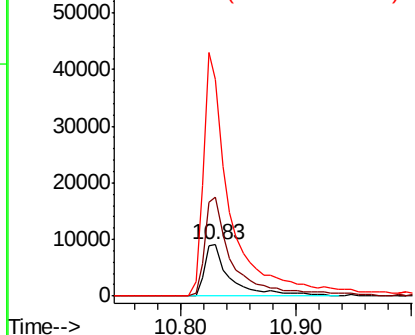


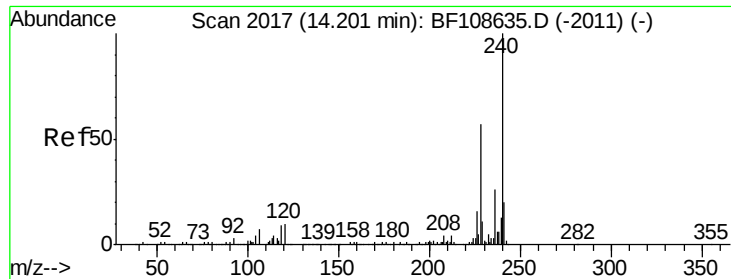
#66
 4-Bromophenyl-phenylether
 Concen: 3.180 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.25 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Tgt Ion:248 Resp: 14508
 Ion Ratio Lower Upper
 248 100
 250 193.4 76.9 115.3#
 141 424.4 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

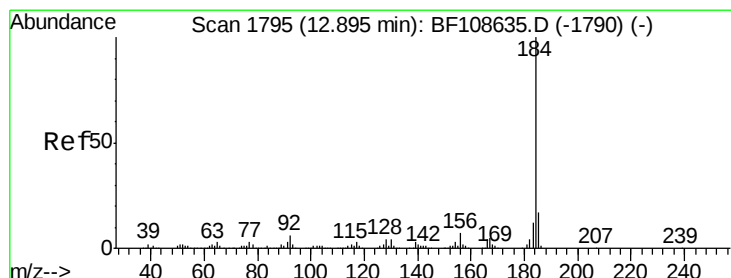
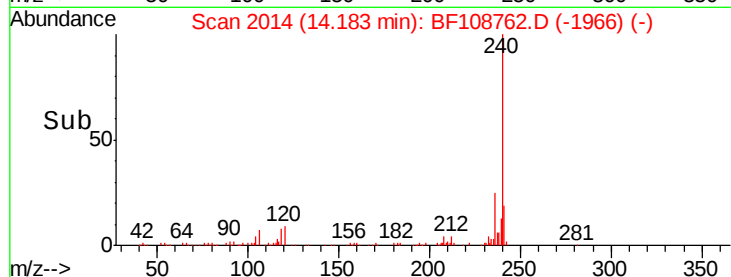
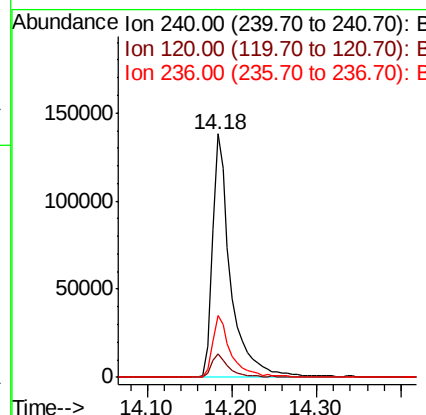
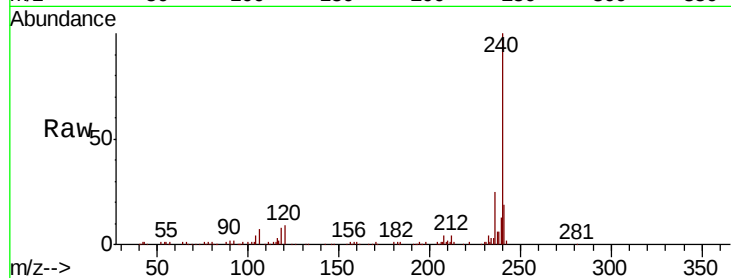




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.02 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

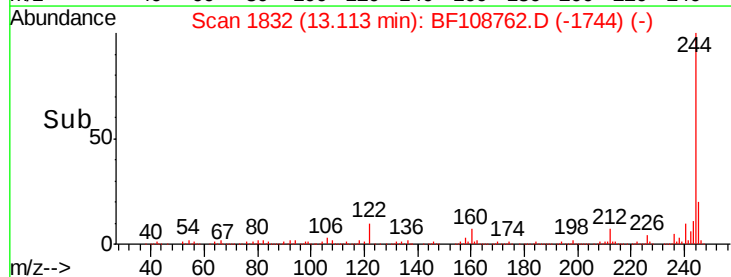
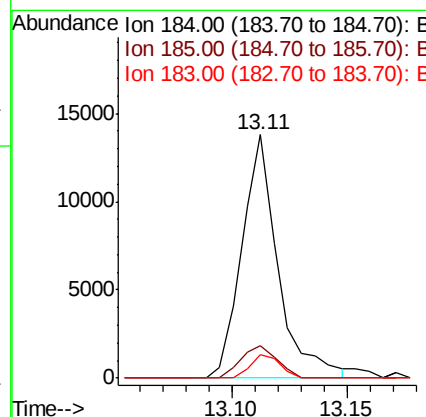
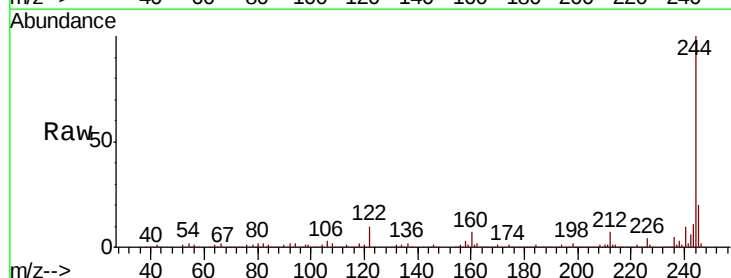
Instrument :
 BNA_F
 ClientSampleId :

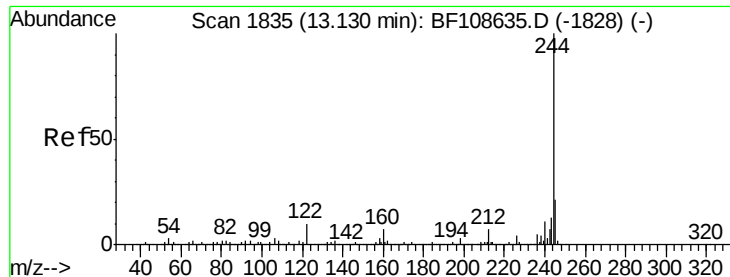
Tot Ion:240 Resp: 209381
 Ion Ratio Lower Upper
 240 100
 120 9.4 9.5 14.3#
 236 25.4 20.7 31.1



#76
 Benzidine
 Concen: 2.556 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. 0.22 min
 Lab File: BF108762.D
 Acq: 5 Sep 2018 3:19

Tgt Ion:184 Resp: 15064
 Ion Ratio Lower Upper
 184 100
 185 13.5 12.6 18.8
 183 9.5 9.3 13.9





#78

Terphenyl-d14

Concen: 105.422 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

Instrument :

BNA_F

ClientSampleId :

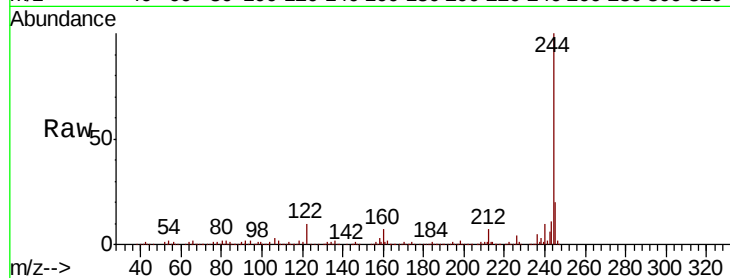
Tot Ion:244 Resp: 1136077

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

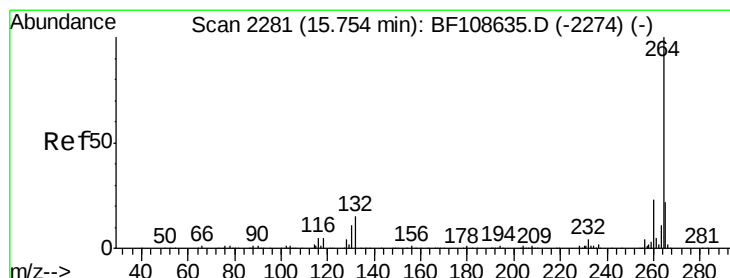
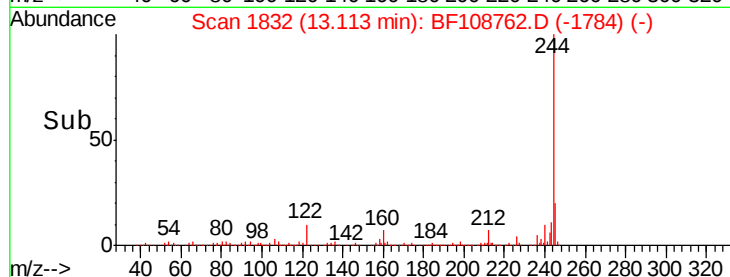
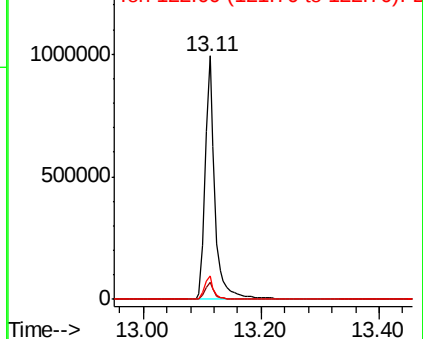
122 9.8 11.0 16.4#



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: 15.74 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF108762.D

Acq: 5 Sep 2018 3:19

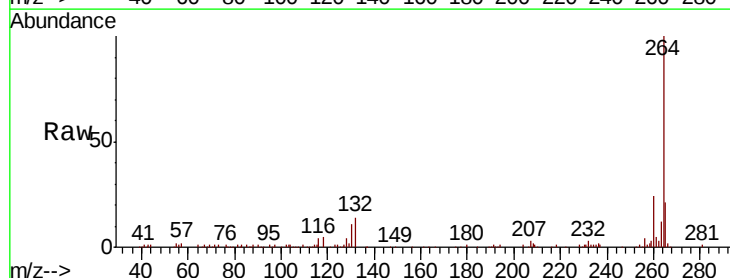
Tgt Ion:264 Resp: 206484

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.1 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

