

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108235.D
 Acq On : 17 Aug 2018 11:25
 Operator : JU/SJ
 Sample : PB112112BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 11:57:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

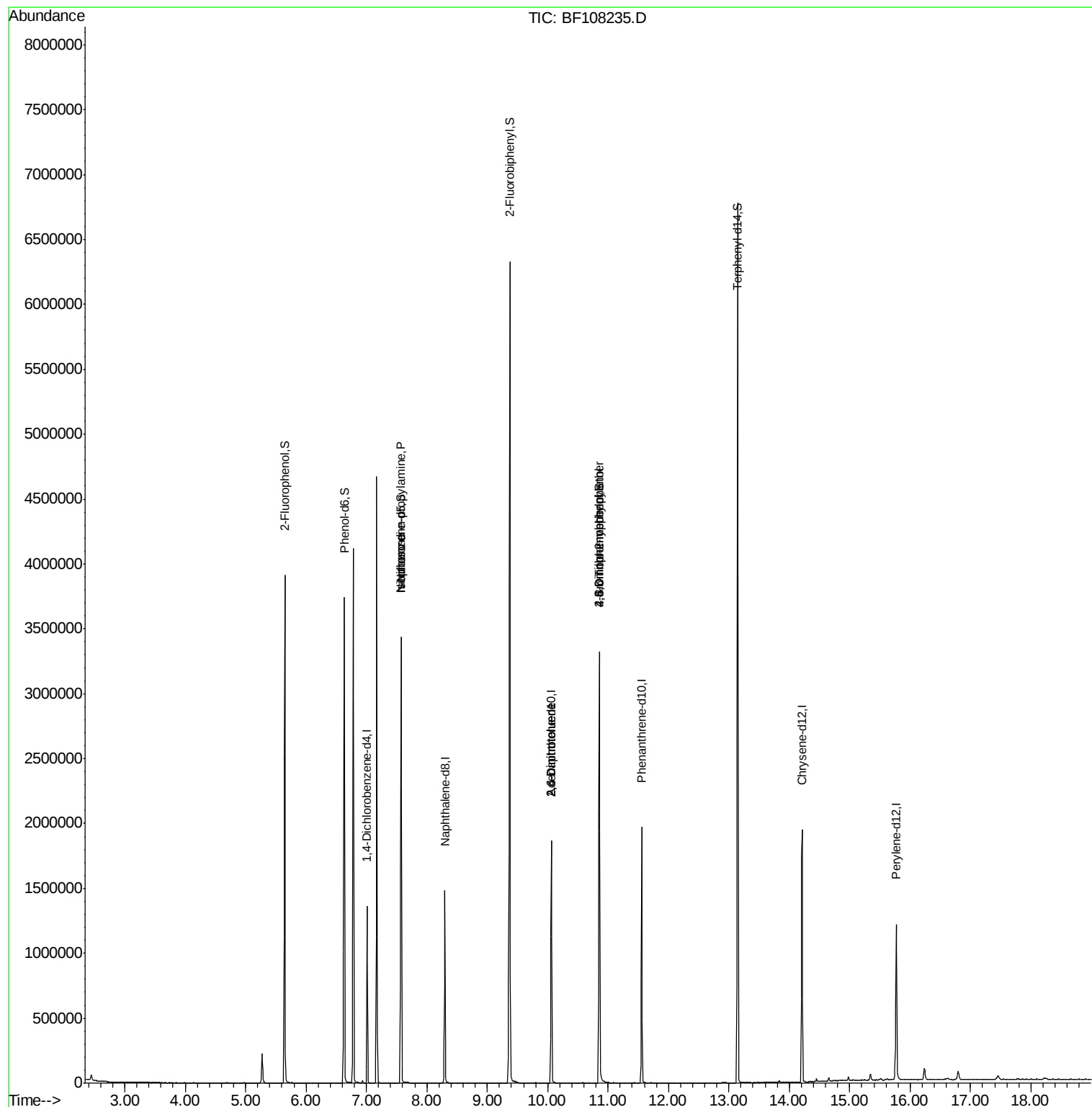
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	187393	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	706938	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	370485	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	761098	20.00	ng	0.00
75) Chrysene-d12	14.21	240	683813	20.00	ng	0.00
86) Perylene-d12	15.77	264	606992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	991494	95.79	ng	0.02
7) Phenol-d6	6.64	99	1312253	95.40	ng	0.00
23) Nitrobenzene-d5	7.58	82	1284729	101.41	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	412248	111.55	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2325147	100.76	ng	0.00
78) Terphenyl-d14	13.15	244	2500768	92.98	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	173962	18.703	ng	# 85
25) Isophorone	7.58	82	1284718	53.203	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	47160	8.734	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	47160	6.786	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	978	5.663	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	26432	3.196	ng	# 1

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

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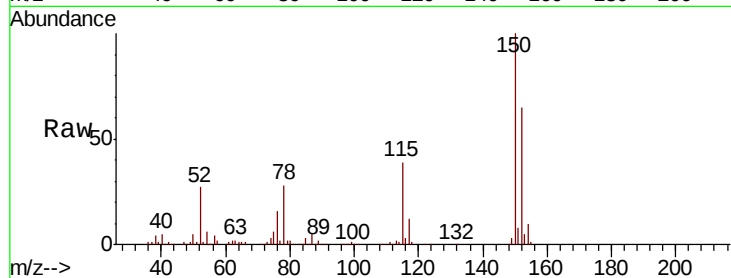


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108235.D
Acq: 17 Aug 2018 11:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	59.8	50.1	75.1

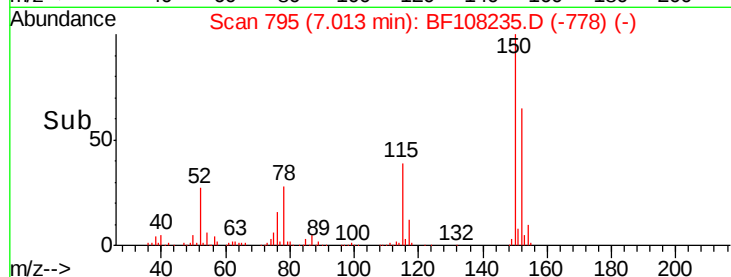
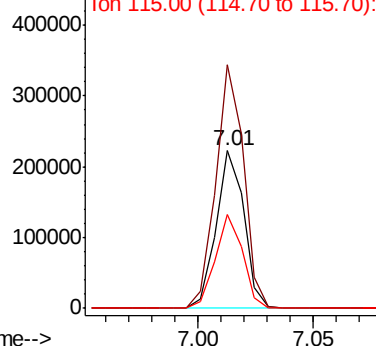


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

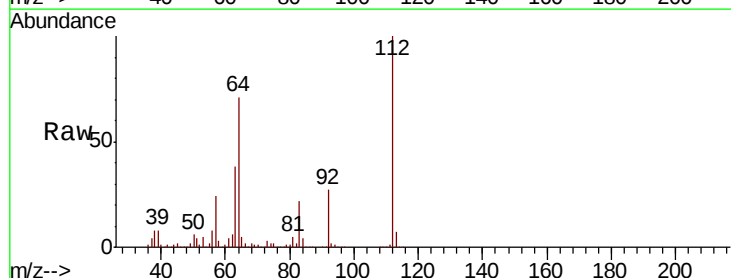
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.791 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108235.D
Acq: 17 Aug 2018 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	47.9	71.9
63	37.9	23.7	35.5

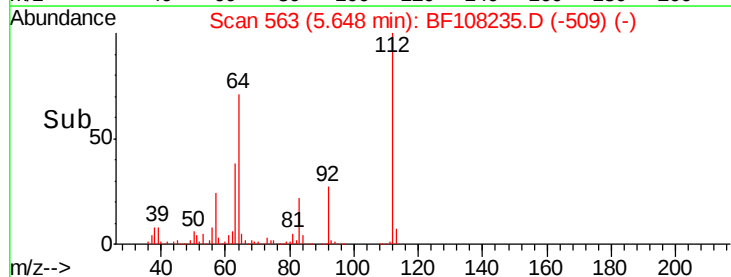
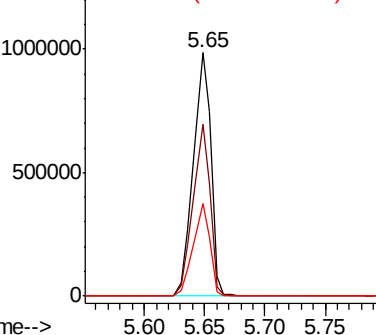


Abundance

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: 95.405 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

Instrument :

BNA_F

ClientSampleId :

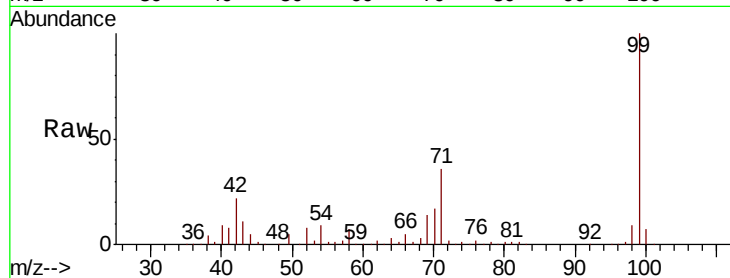
Tot Ion: 99 Resp: 1312253

Ion Ratio Lower Upper

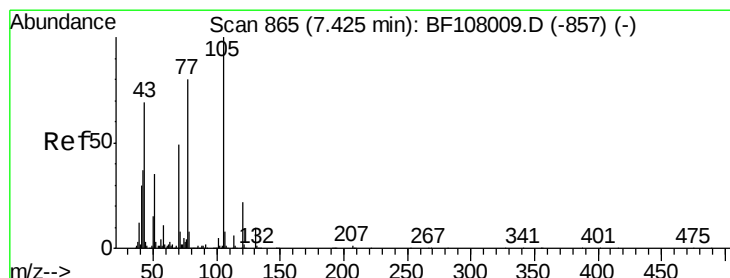
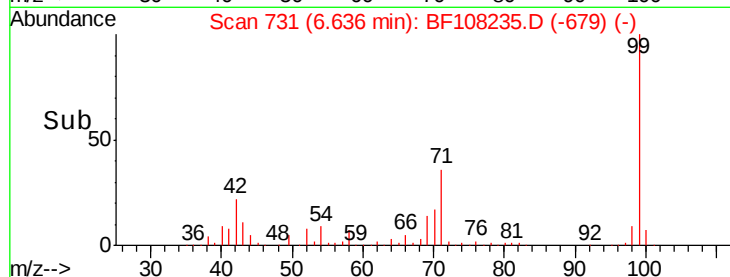
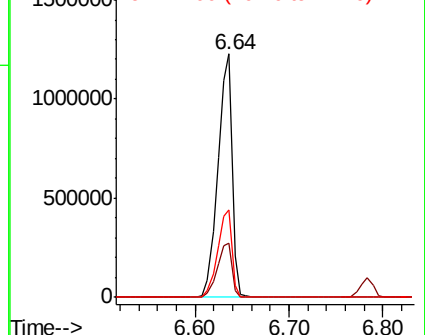
99 100

42 22.3 14.5 21.7#

71 36.1 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: 18.703 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

Tgt Ion: 70 Resp: 173962

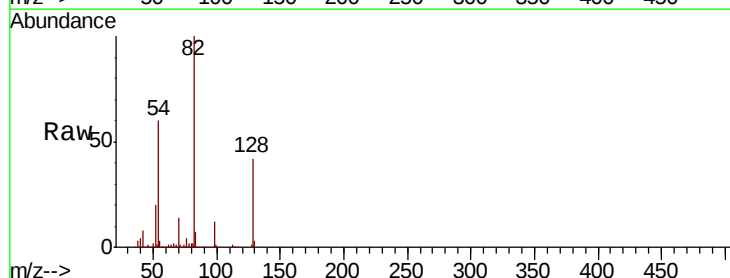
Ion Ratio Lower Upper

70 100

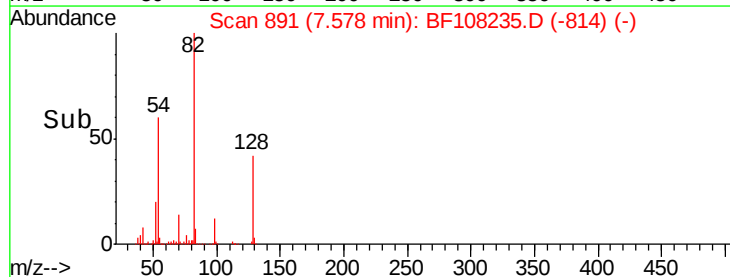
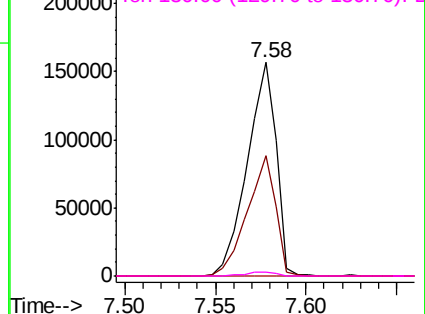
42 56.2 47.5 71.3

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: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 706938

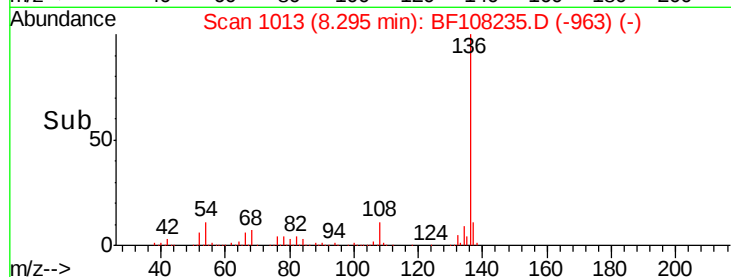
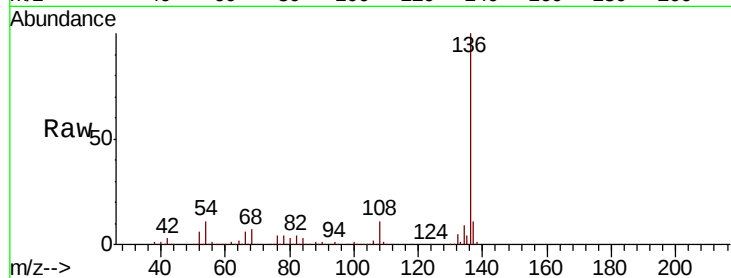
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.5 6.6 9.8#

68 6.6 5.0 7.4

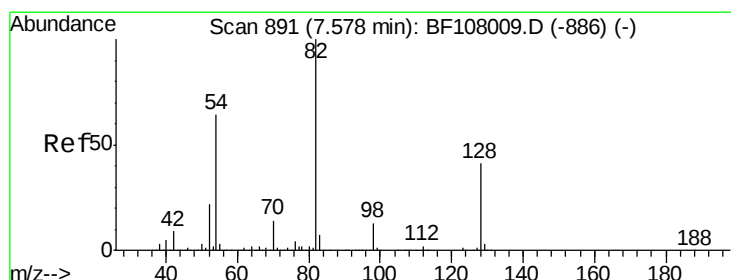
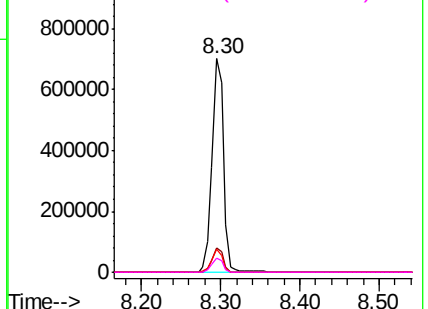


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.409 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

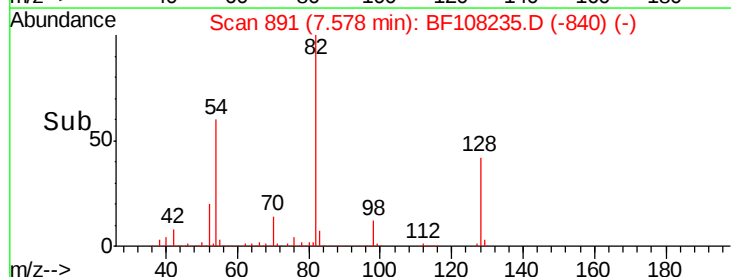
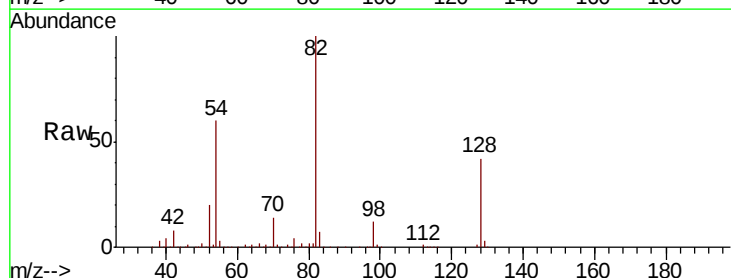
Tgt Ion: 82 Resp: 1284729

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

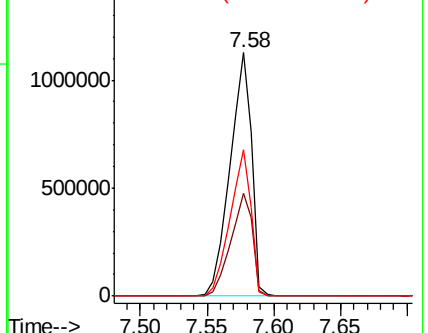
54 60.3 41.4 62.2



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: 53.203 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

Instrument :

BNA_F

ClientSampled :

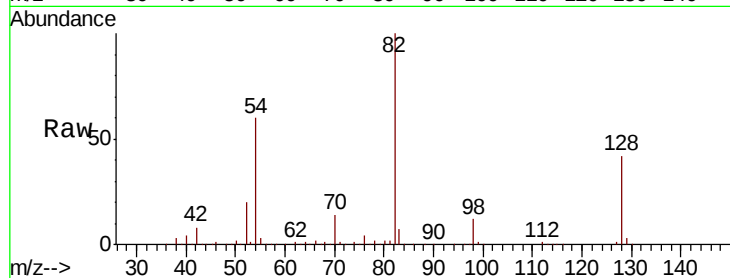
Tot Ion: 82 Resp: 1284718

Ion Ratio Lower Upper

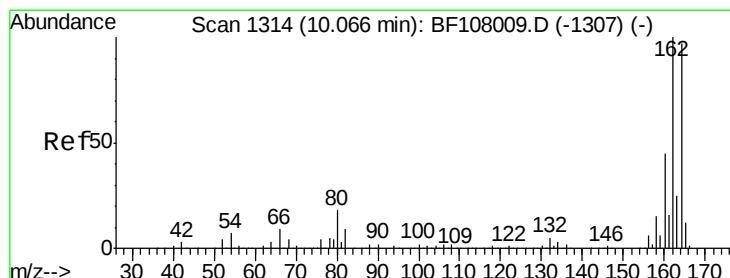
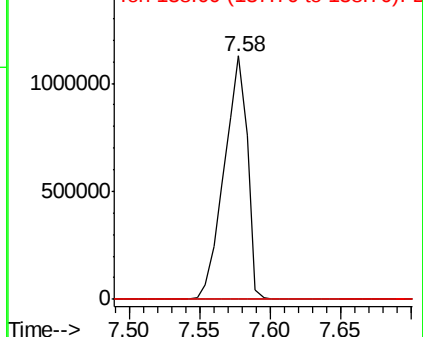
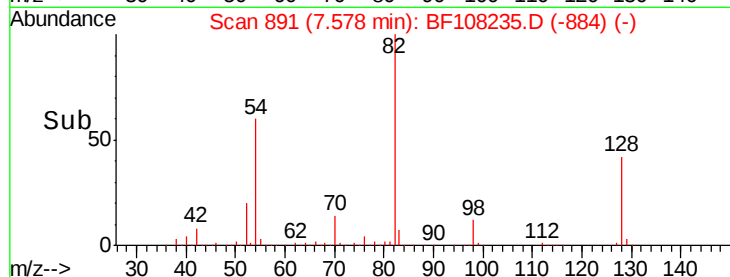
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108235.D

Acq: 17 Aug 2018 11:25

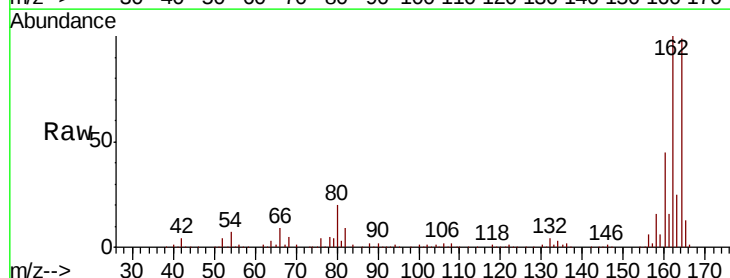
Tgt Ion:164 Resp: 370485

Ion Ratio Lower Upper

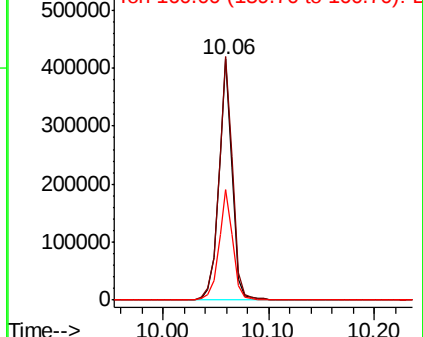
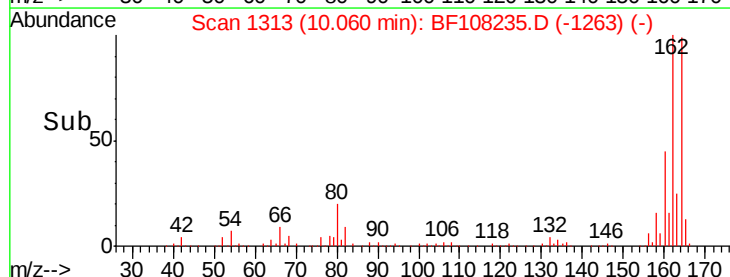
164 100

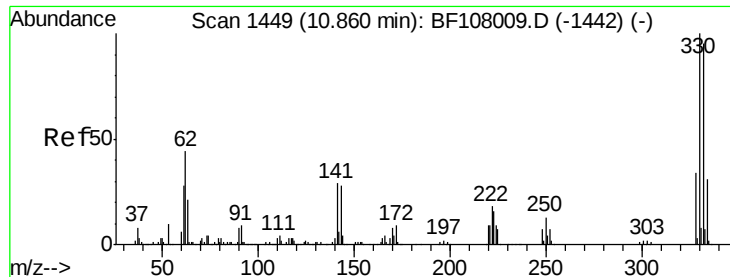
162 101.2 86.1 129.1

160 45.9 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

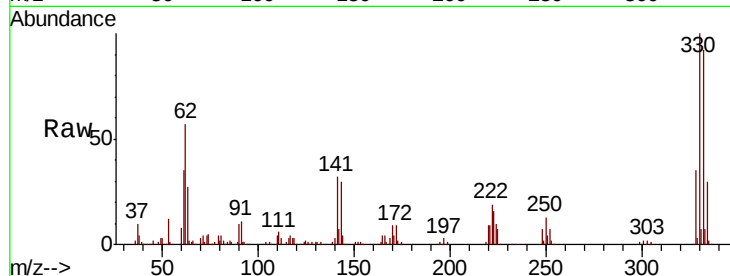




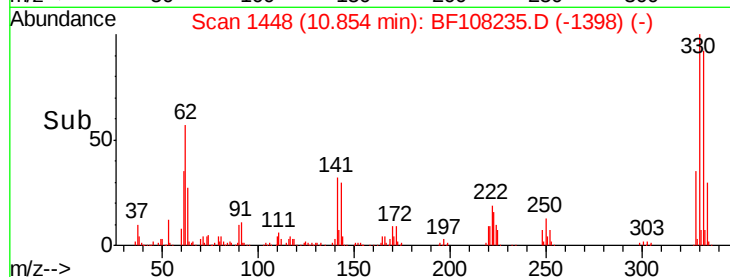
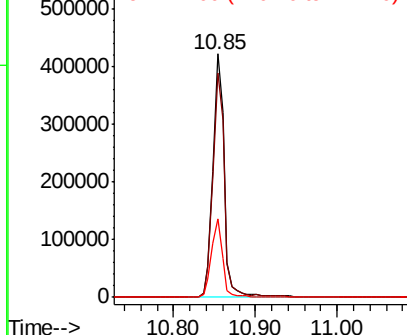
#41
 2,4,6-Tribromophenol
 Concen: 111.554 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 412248
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 31.5 29.9 44.9

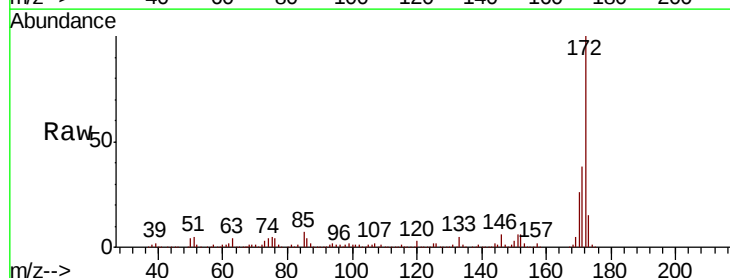


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

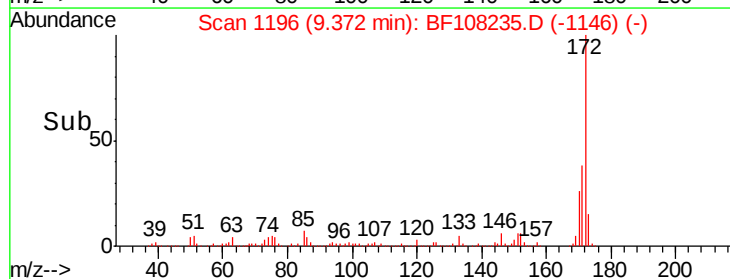
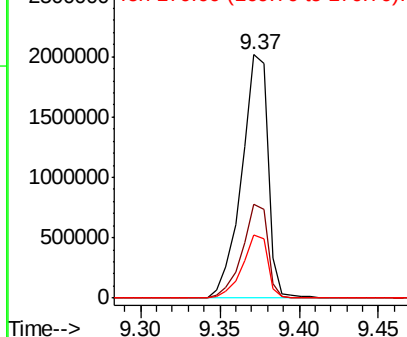


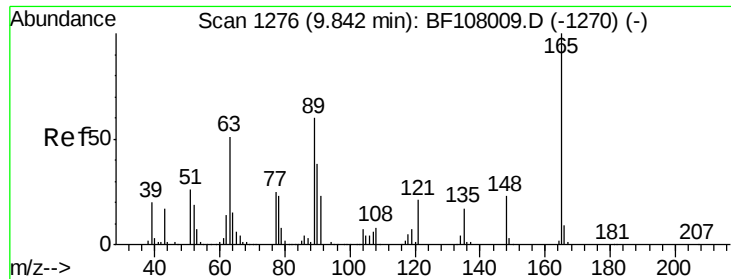
#44
 2-Fluorobiphenyl
 Concen: 100.759 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Tgt Ion:172 Resp: 2325147
 Ion Ratio Lower Upper
 172 100
 171 38.5 29.7 44.5
 170 26.0 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

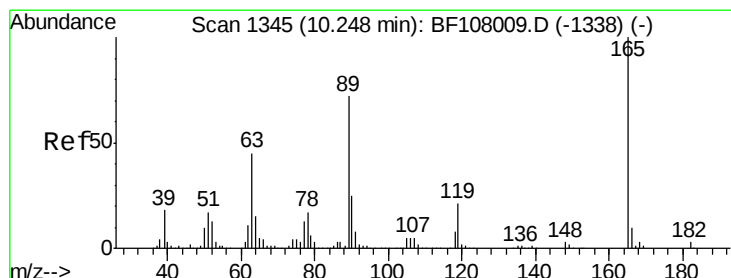
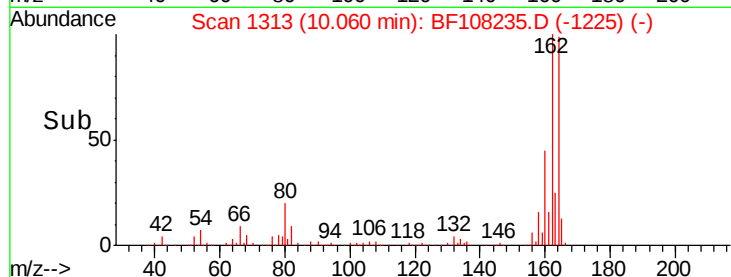
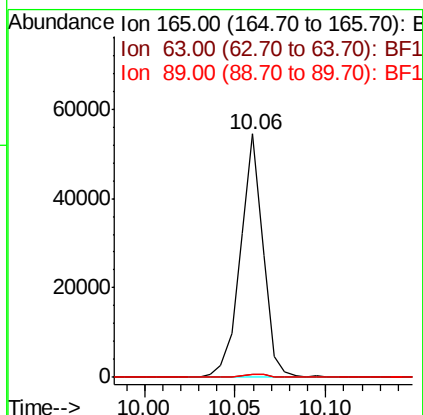
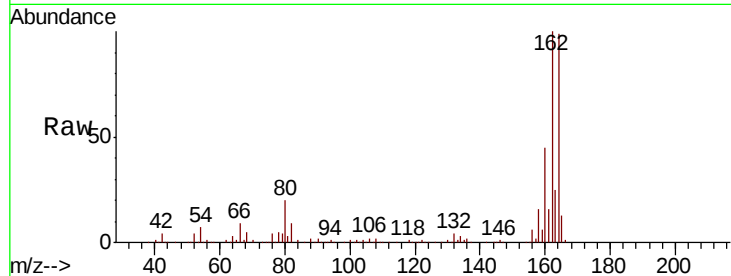




#50
 2,6-Dinitrotoluene
 Concen: 8.734 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

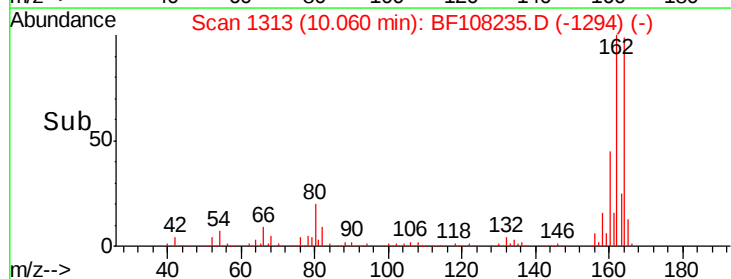
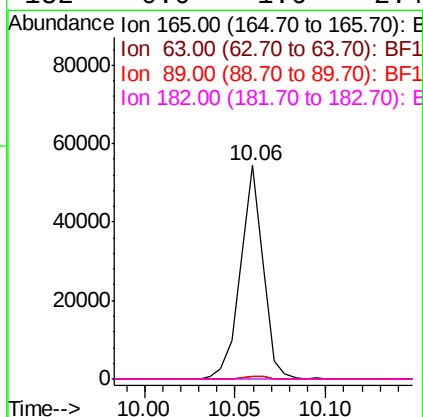
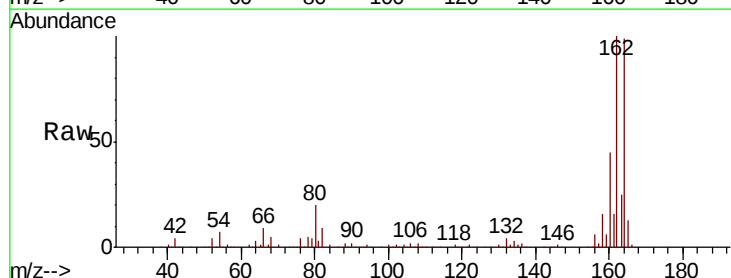
Instrument :
 BNA_F
 ClientSampleId :

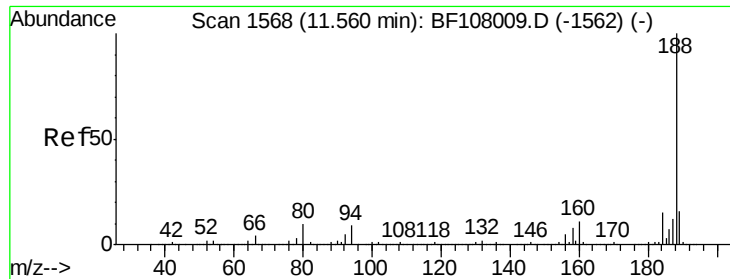
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.786 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

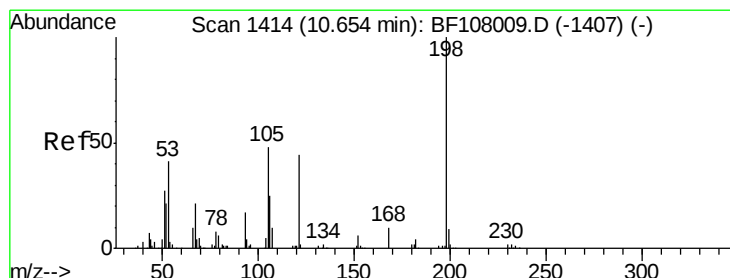
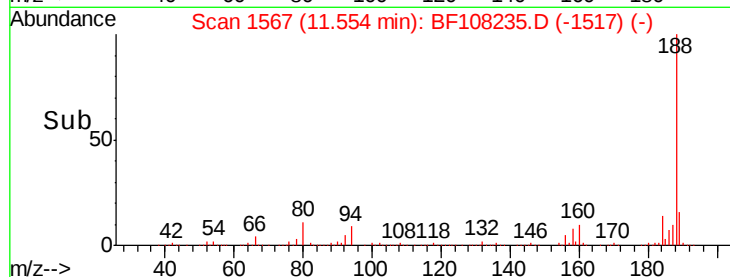
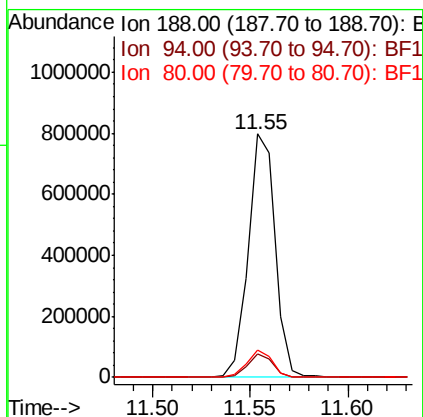
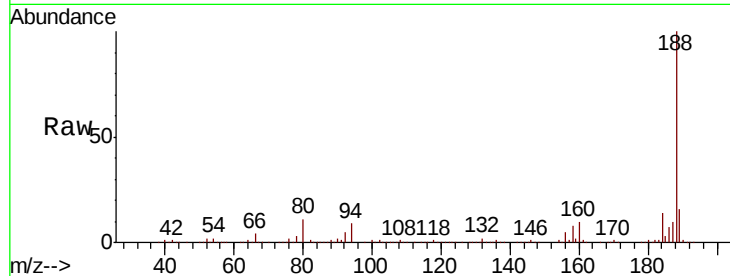




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

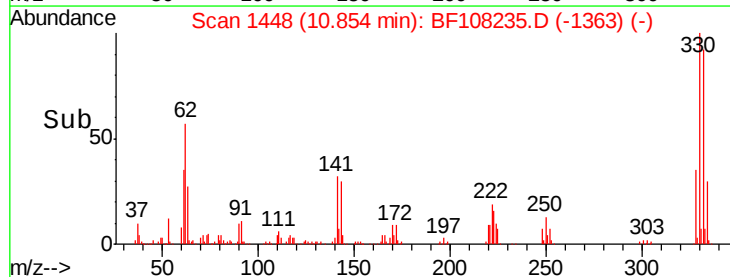
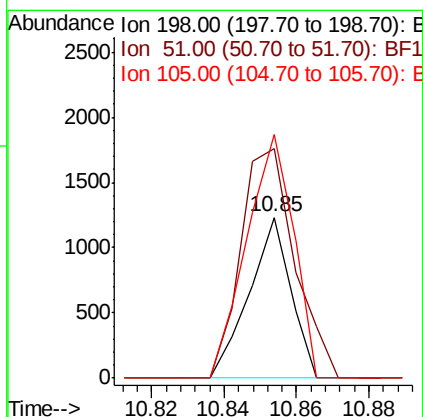
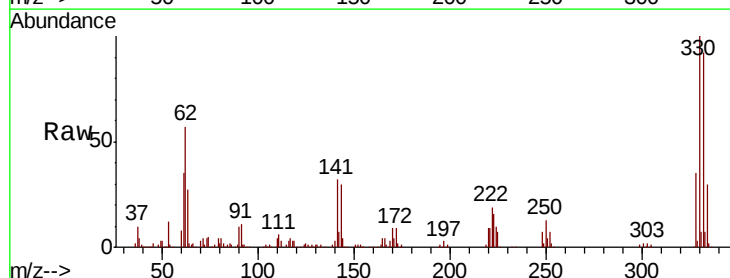
Instrument :
 BNA_F
 ClientSampleId :

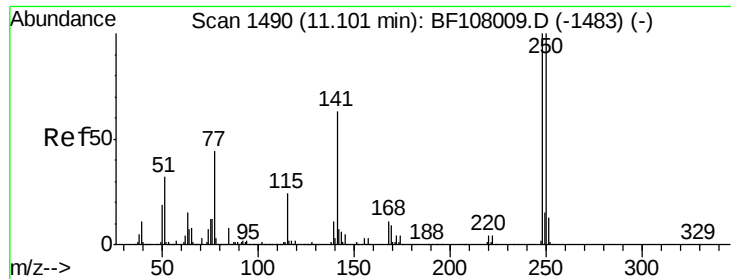
Tot Ion:188 Resp: 761098
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 11.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.663 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Tgt Ion:198 Resp: 978
 Ion Ratio Lower Upper
 198 100
 51 142.7 37.7 77.7#
 105 151.5 36.3 76.3#

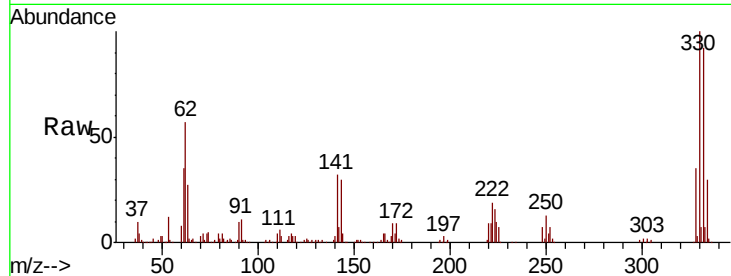




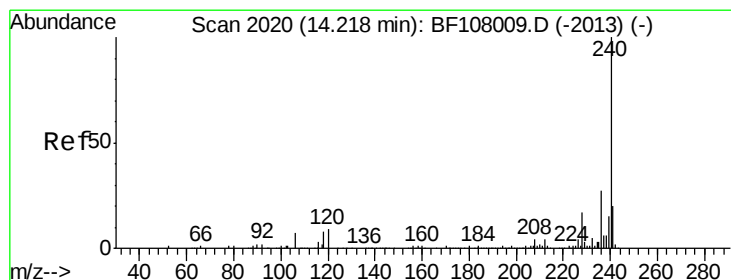
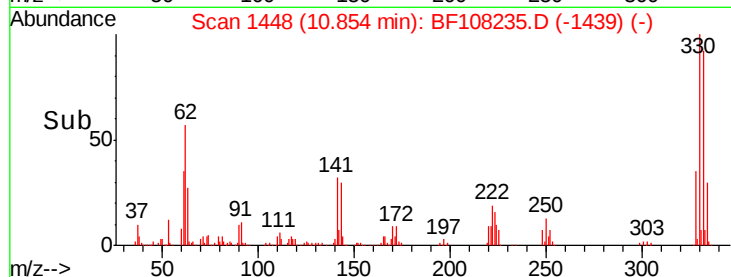
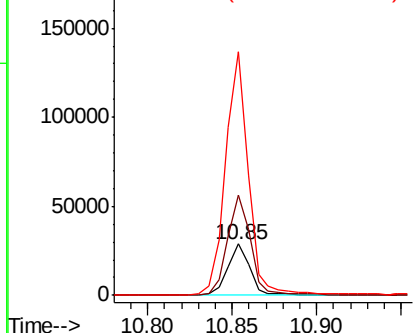
#66
 4-Bromophenyl-phenylether
 Concen: 3.196 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 26432
 Ion Ratio Lower Upper
 248 100
 250 196.3 76.9 115.3#
 141 476.8 74.4 111.6#

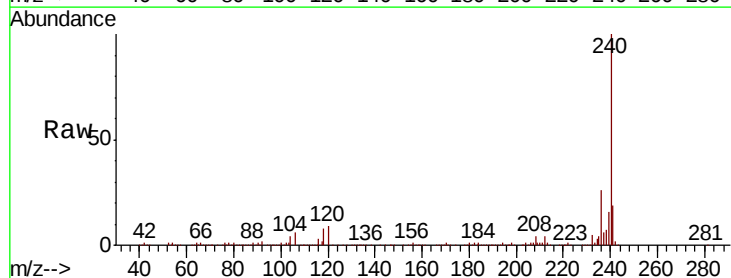


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

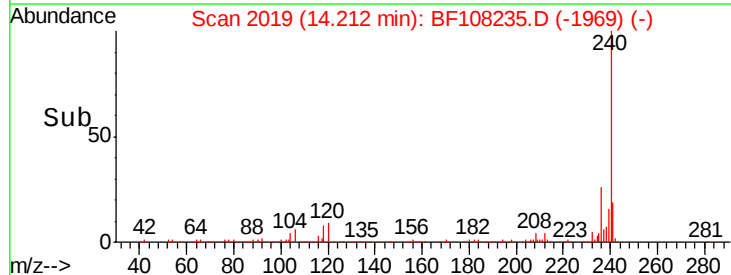
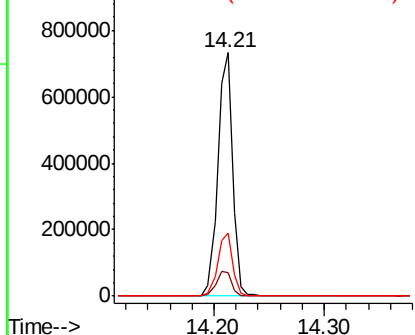


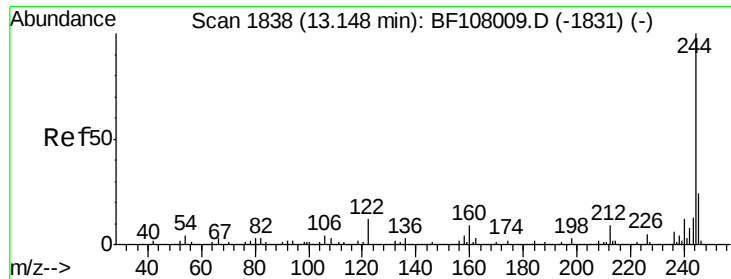
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Tgt Ion:240 Resp: 683813
 Ion Ratio Lower Upper
 240 100
 120 9.4 9.5 14.3#
 236 26.1 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

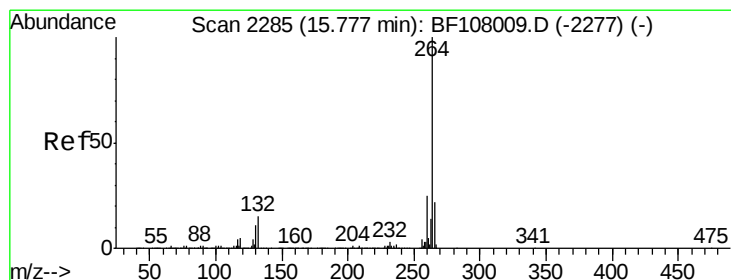
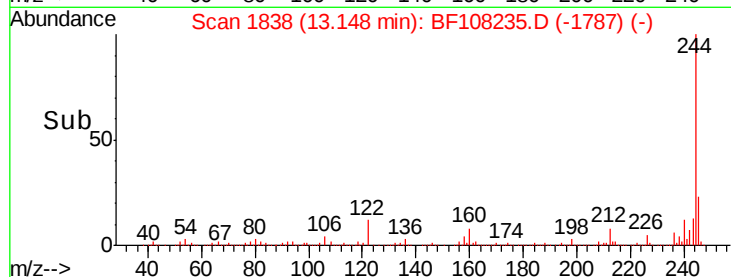
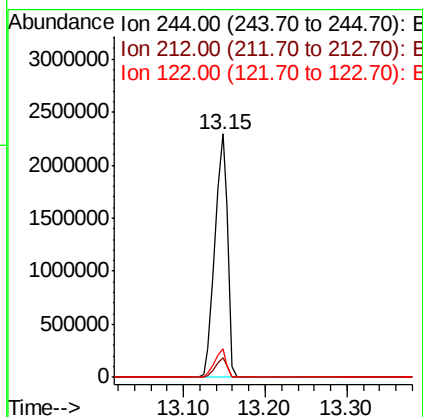
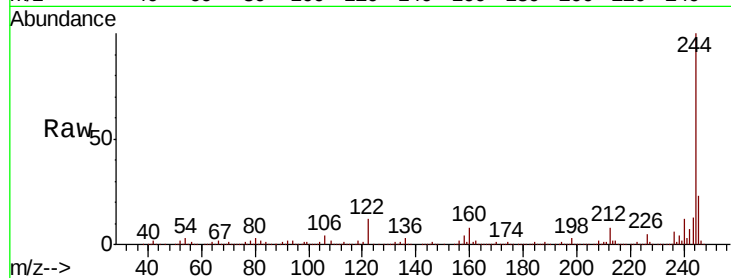




#78
 Terphenyl-d14
 Concen: 92.984 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2500768
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.4 8.0#
 122 12.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108235.D
 Acq: 17 Aug 2018 11:25

Tgt Ion:264 Resp: 606992
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.3 17.5 26.3

