

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108225.D
 Acq On : 17 Aug 2018 5:04
 Operator : JU/SJ
 Sample : J4504-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 081418-DBRI-F-U-B

Quant Time: Aug 17 05:40:54 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

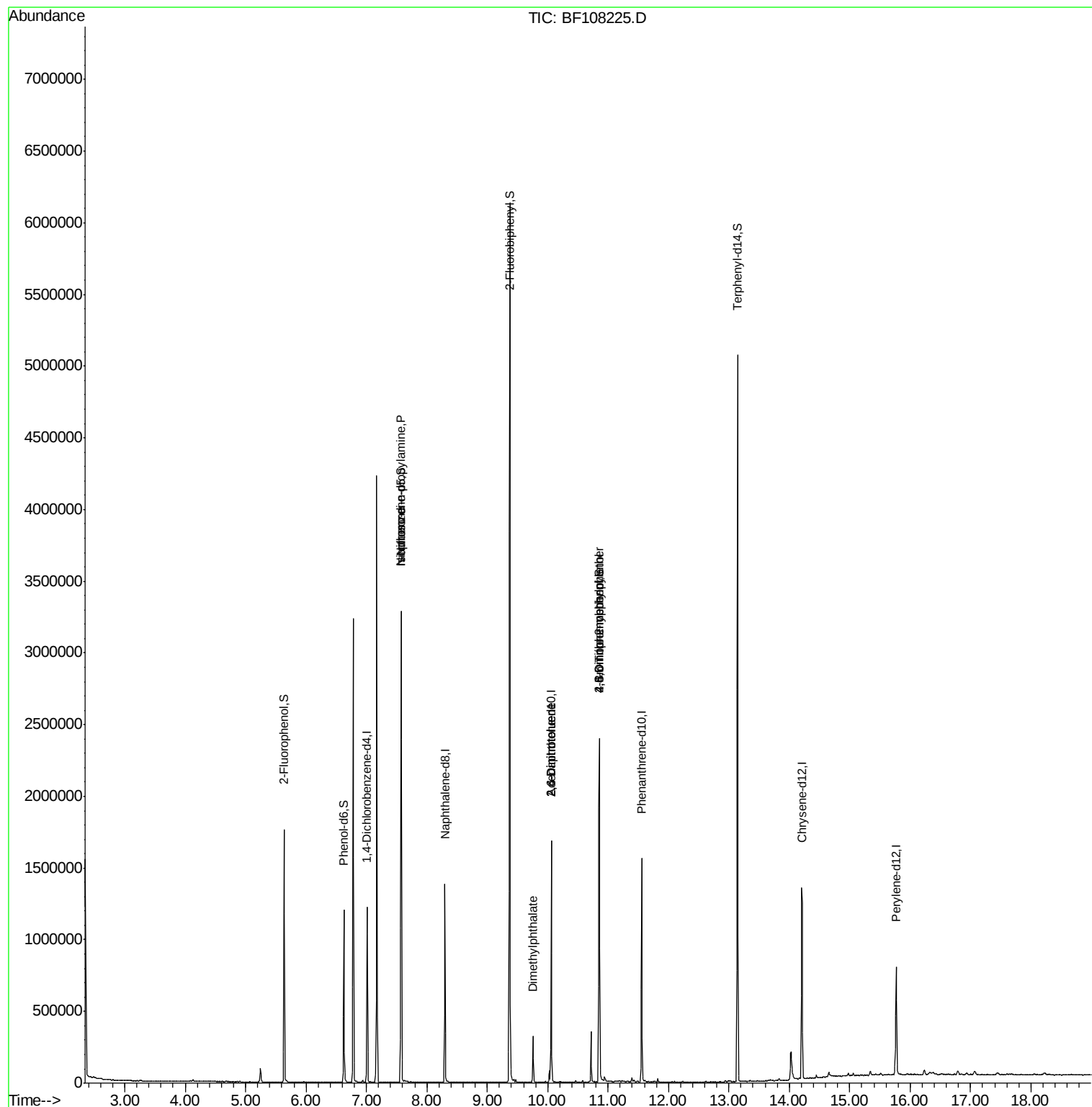
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	171967	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	635805	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	309637	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	570629	20.00	ng	0.00
75) Chrysene-d12	14.21	240	475173	20.00	ng	-0.01
86) Perylene-d12	15.77	264	372904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	406572	42.80	ng	0.00
7) Phenol-d6	6.62	99	342054	27.10	ng	0.00
23) Nitrobenzene-d5	7.58	82	1105132	96.99	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	289261	93.66	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2002691	103.84	ng	0.00
78) Terphenyl-d14	13.15	244	1891379	101.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	152060	17.815	ng	# 84
25) Isophorone	7.58	82	1105119	50.886	ng	# 64
49) Dimethylphthalate	9.76	163	117749	5.459	ng	# 98
50) 2,6-Dinitrotoluene	10.06	165	39985	8.861	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	39985	6.884	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	657	5.631	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	19708	3.178	ng	# 1

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

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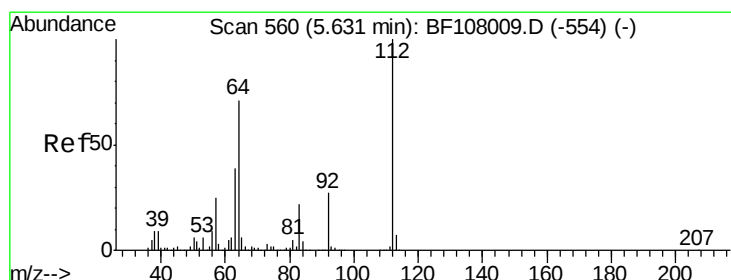
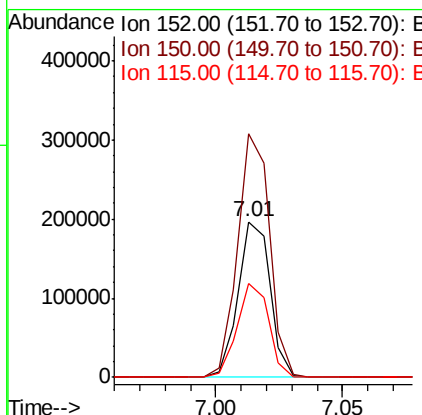
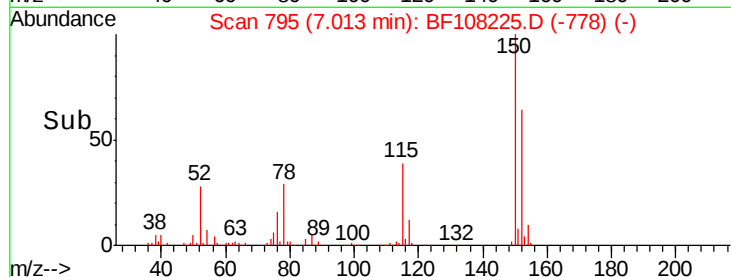
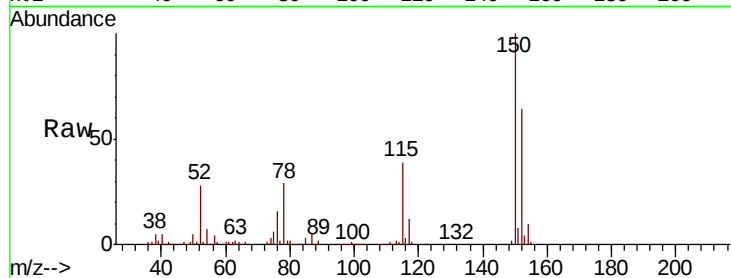


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108225.D
Acq: 17 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
081418-DBRI-F-U-B

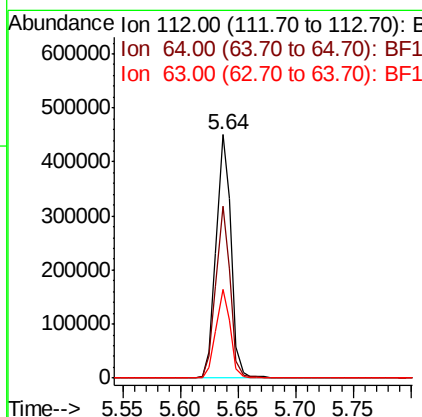
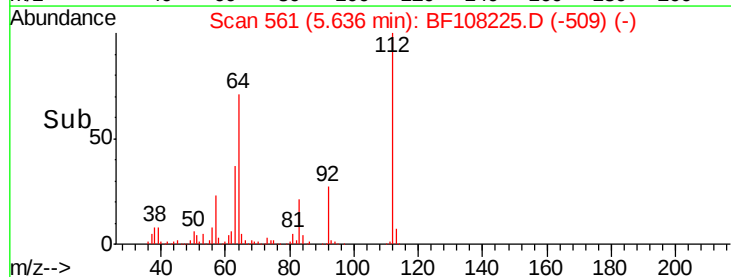
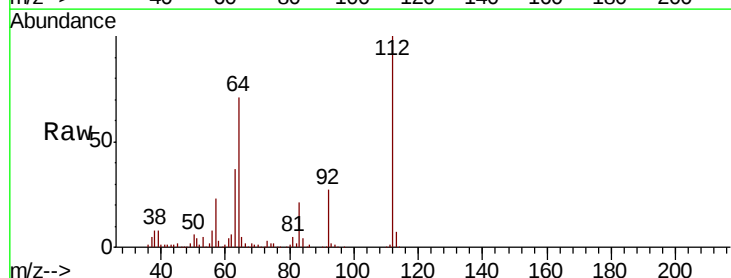
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	60.5	50.1	75.1



#5

2-Fluorophenol
Concen: 42.804 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108225.D
Acq: 17 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	47.9	71.9
63	36.6	23.7	35.5#





#7

Phenol-d6

Concen: 27.099 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

081418-DBRI-F-U-B

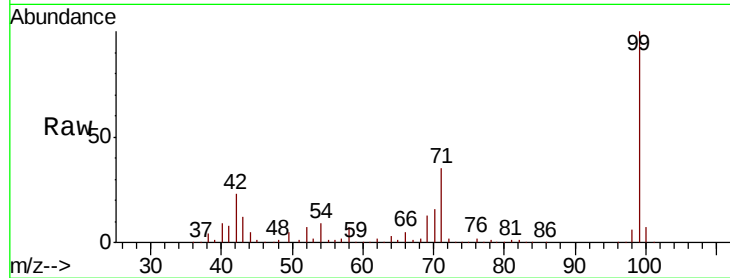
Tgt Ion: 99 Resp: 342054

Ion Ratio Lower Upper

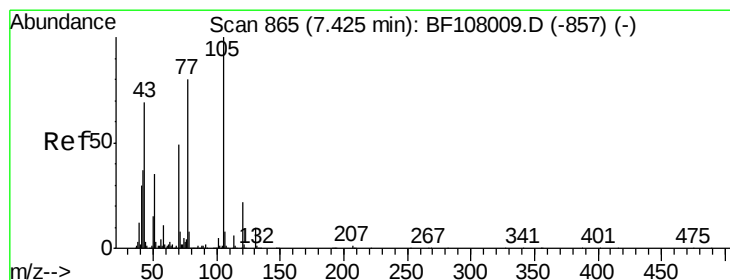
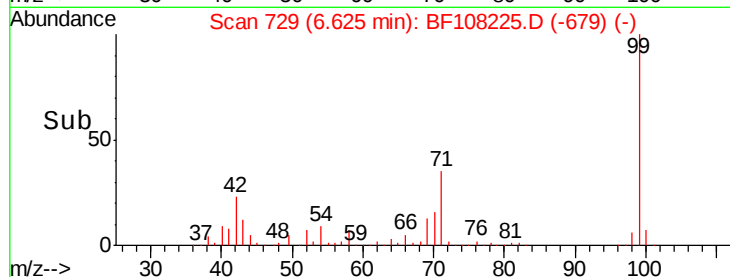
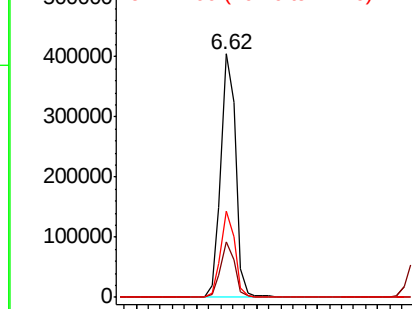
99 100

42 22.7 14.5 21.7#

71 35.2 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: 17.815 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

Tgt Ion: 70 Resp: 152060

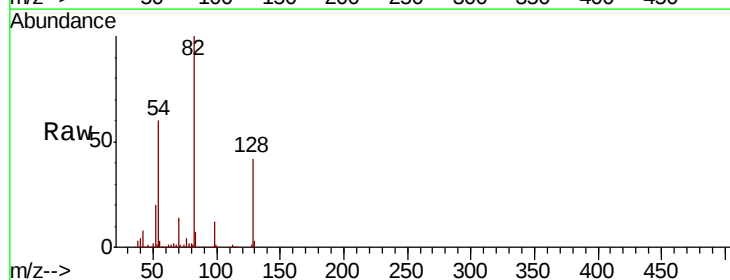
Ion Ratio Lower Upper

70 100

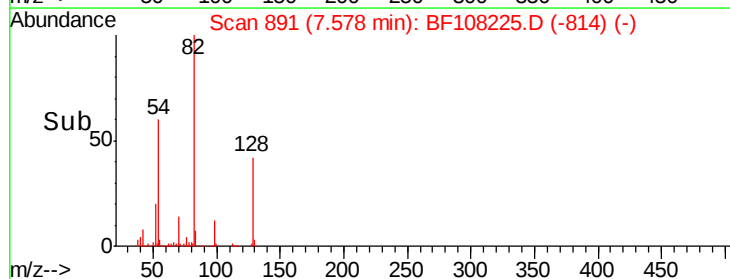
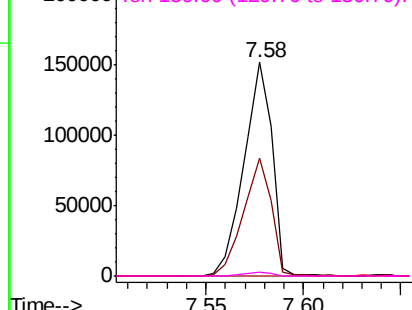
42 55.0 47.5 71.3

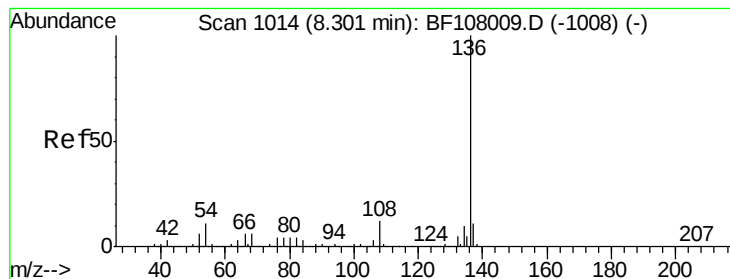
101 0.0 7.4 11.2#

130 1.9 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# 1014

Delta R.T. -0.00 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

081418-DBRI-F-U-B

Tgt Ion: 136 Resp: 635805

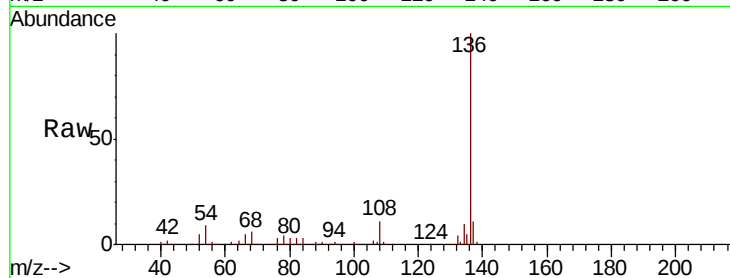
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.2 6.6 9.8

68 5.6 5.0 7.4

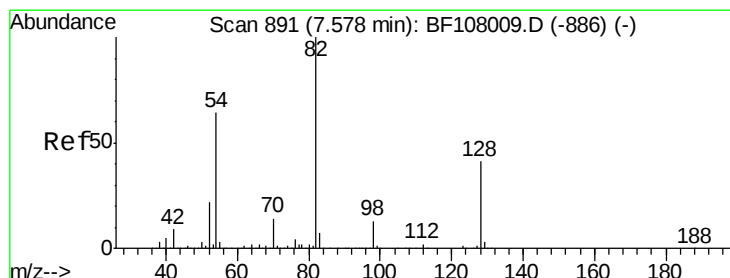
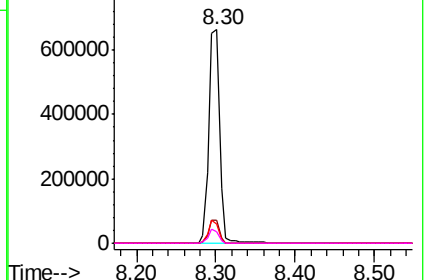
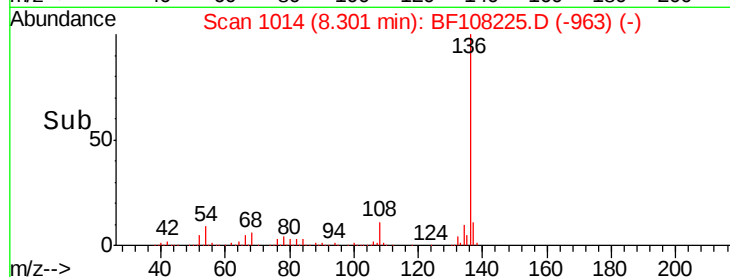


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.992 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

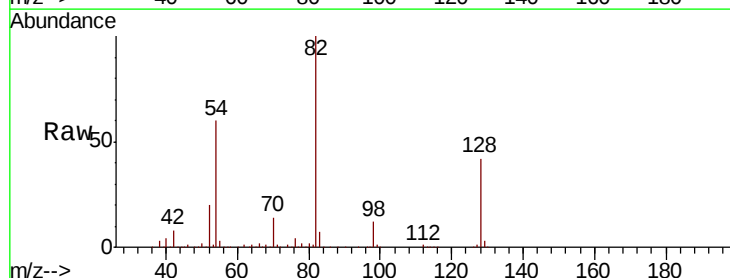
Tgt Ion: 82 Resp: 1105132

Ion Ratio Lower Upper

82 100

128 41.9 36.1 54.1

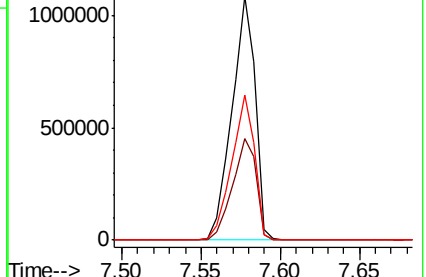
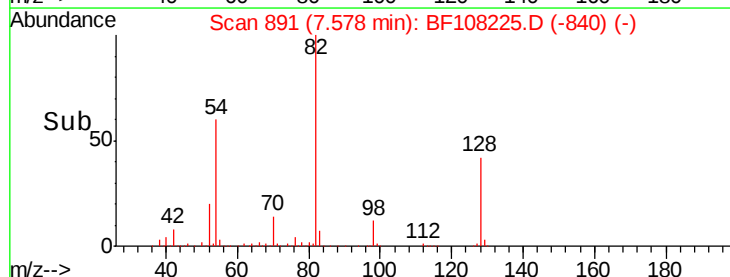
54 59.6 41.4 62.2

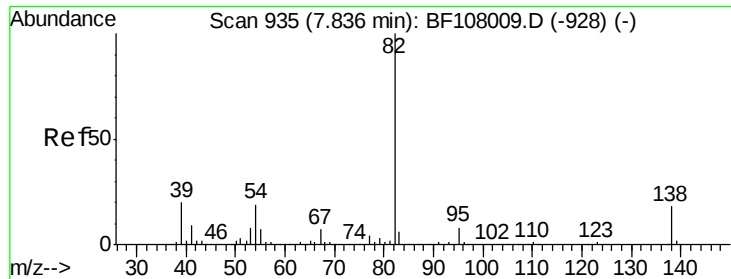


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.886 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

081418-DBRI-F-U-B

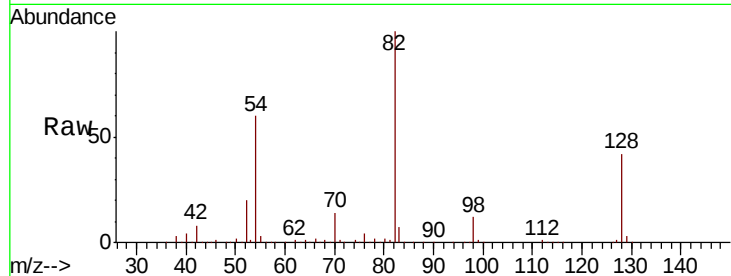
Tgt Ion: 82 Resp: 1105119

Ion Ratio Lower Upper

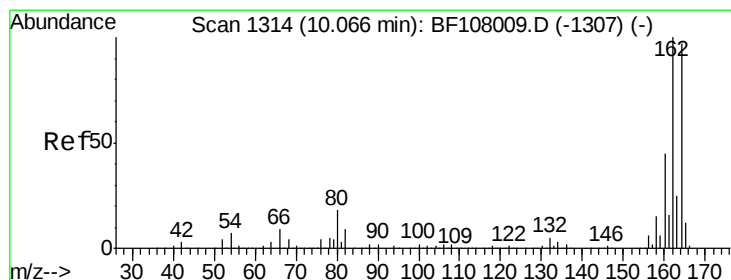
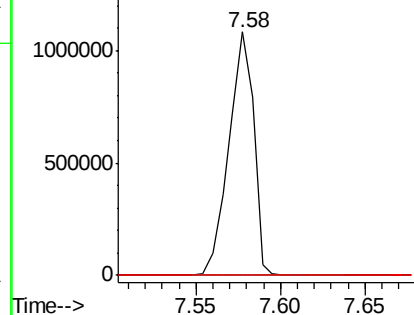
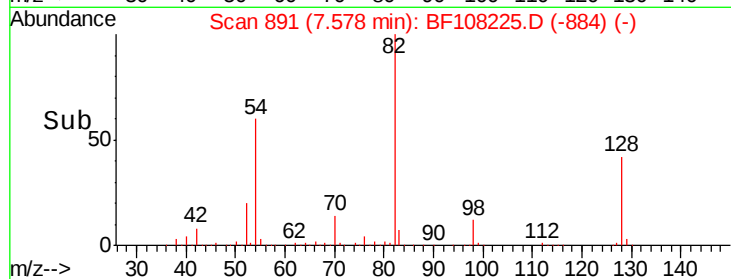
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

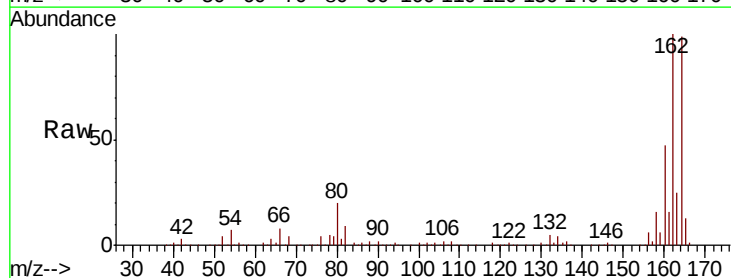
Tgt Ion: 164 Resp: 309637

Ion Ratio Lower Upper

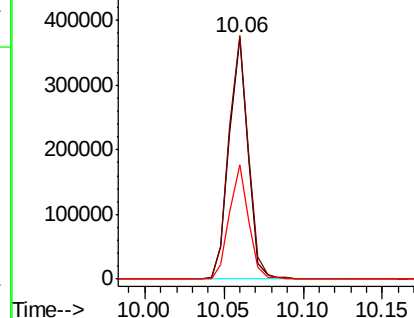
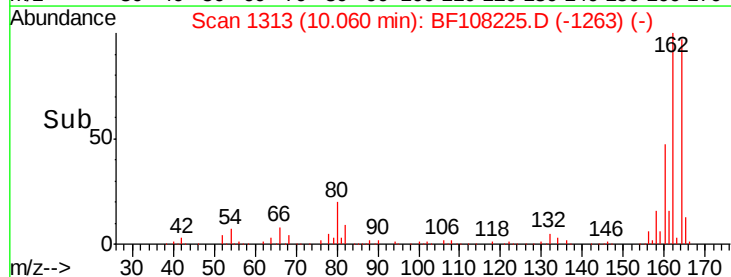
164 100

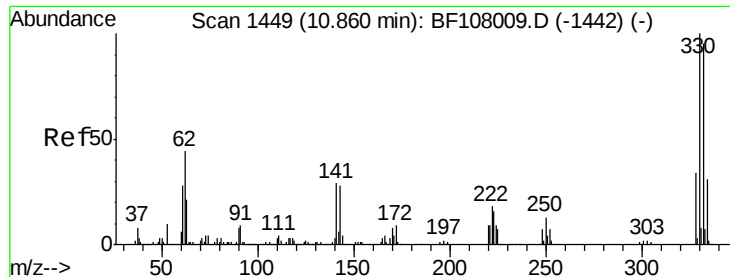
162 100.8 86.1 129.1

160 47.2 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

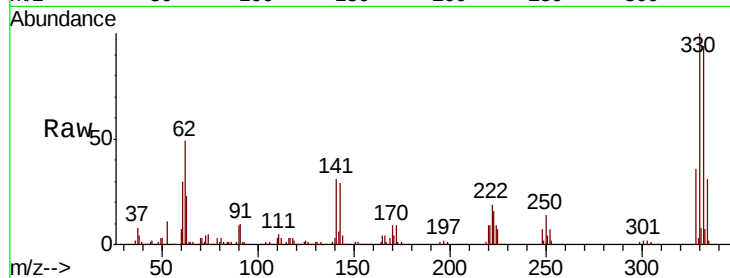




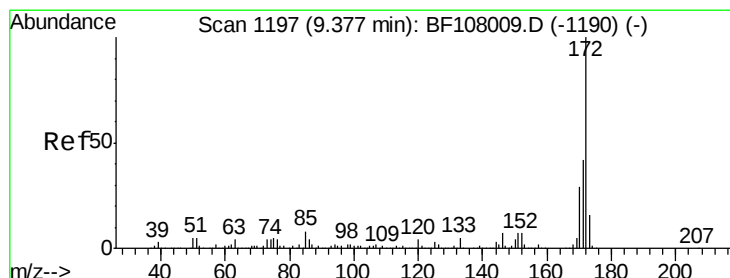
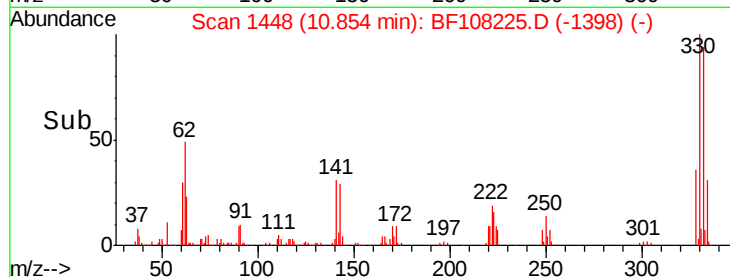
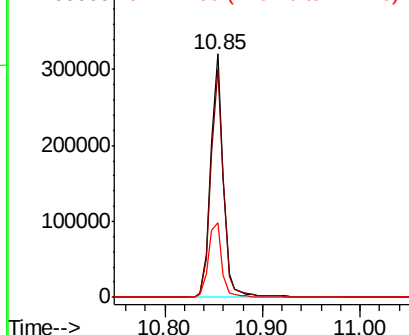
#41
 2,4,6-Tribromophenol
 Concen: 93.656 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Instrument :
 BNA_F
 ClientSampleId :
 081418-DBRI-F-U-B

Tgt Ion:330 Resp: 289261
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 32.9 29.9 44.9

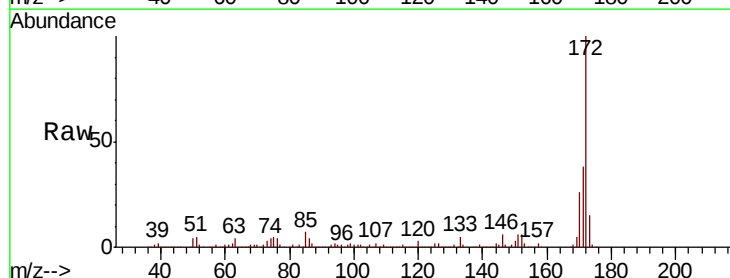


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

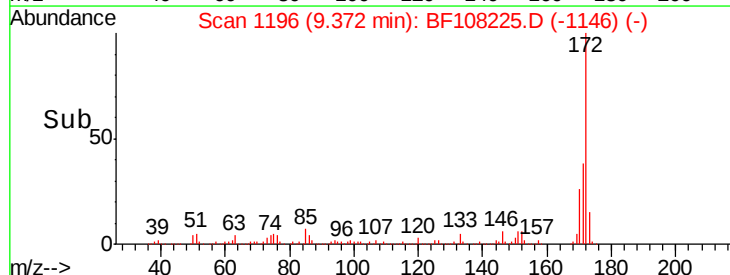
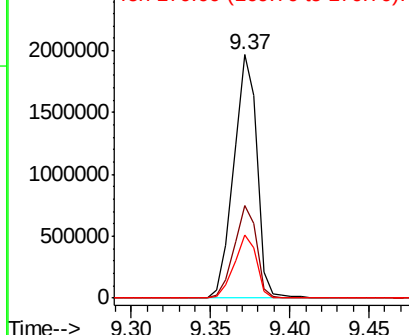


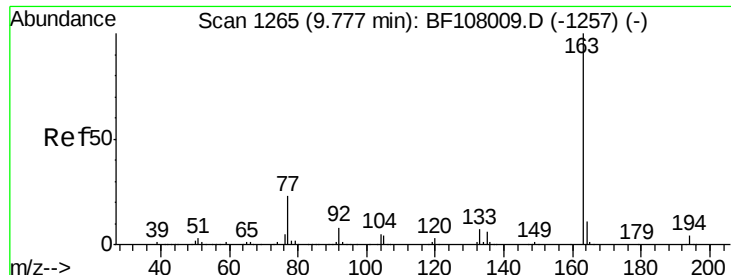
#44
 2-Fluorobiphenyl
 Concen: 103.840 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Tgt Ion:172 Resp: 2002691
 Ion Ratio Lower Upper
 172 100
 171 38.2 29.7 44.5
 170 25.7 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

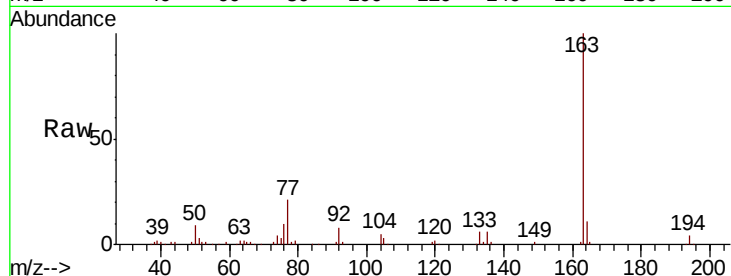




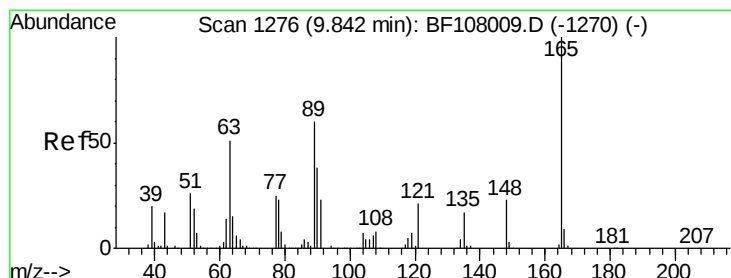
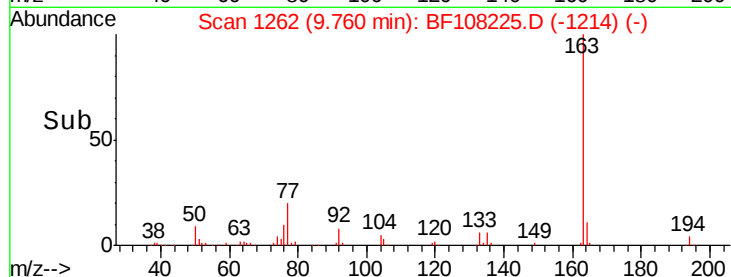
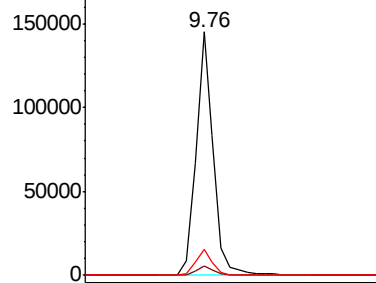
#49
Dimethylphthalate
Concen: 5.459 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108225.D
Acq: 17 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
081418-DBRI-F-U-B

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.8	8.2	12.2

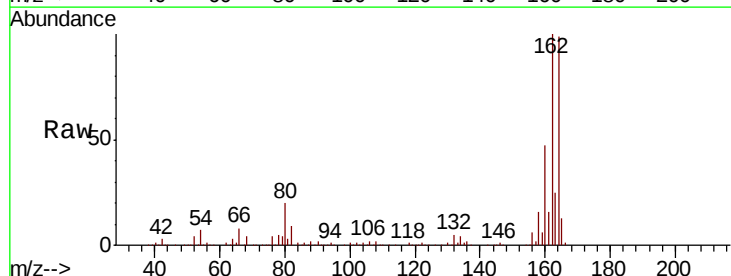


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

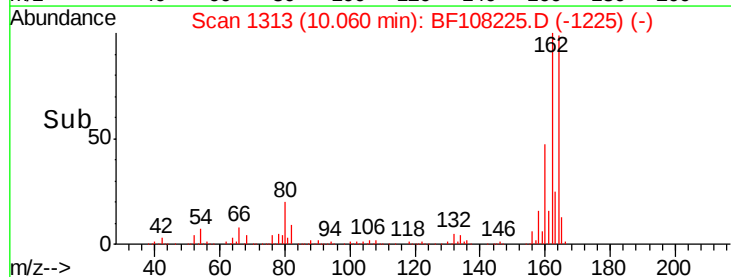
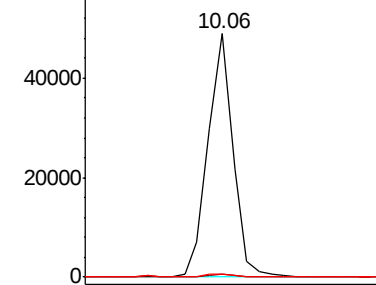


#50
2,6-Dinitrotoluene
Concen: 8.861 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108225.D
Acq: 17 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.3	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

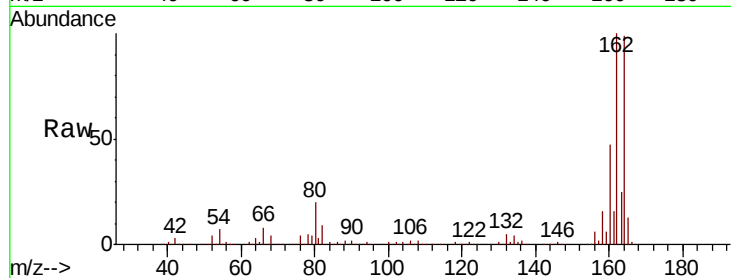




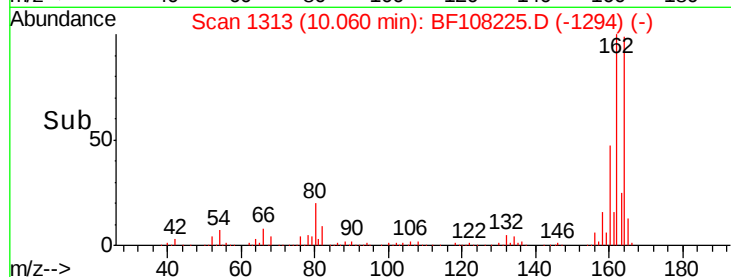
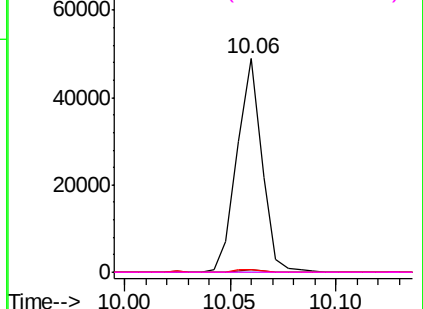
#56
 2,4-Dinitrotoluene
 Concen: 6.884 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Instrument :
 BNA_F
 ClientSampleId :
 081418-DBRI-F-U-B

Tgt Ion:	165	Resp:	39985
Ion Ratio	Lower	Upper	
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

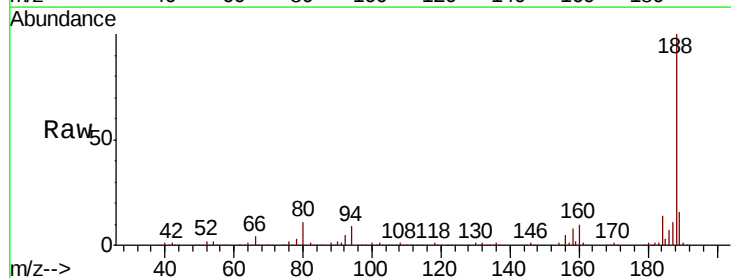


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

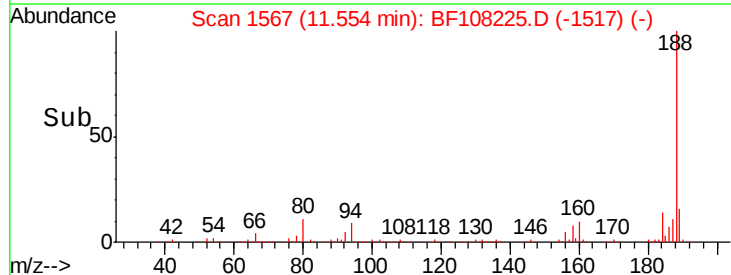
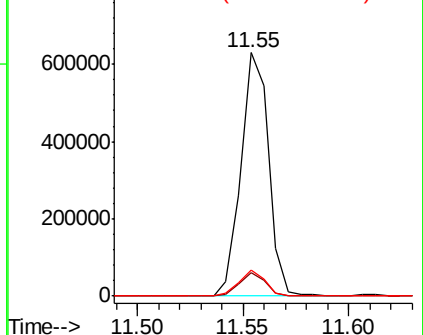


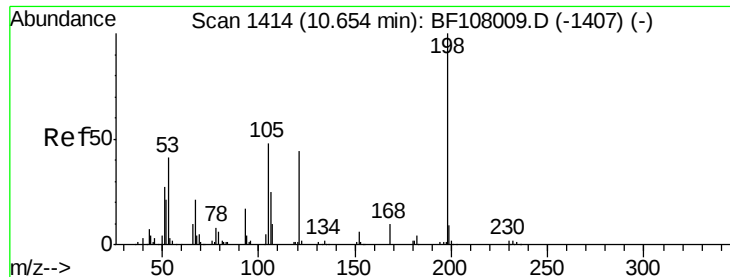
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Tgt Ion:	188	Resp:	570629
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	10.8	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

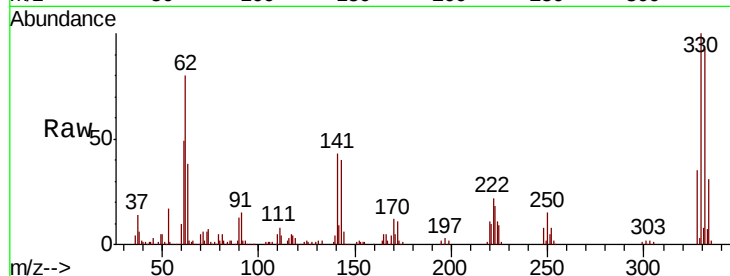




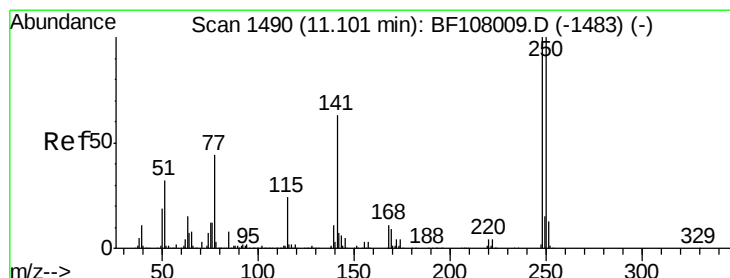
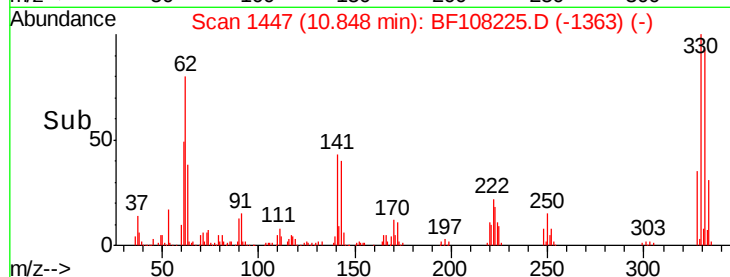
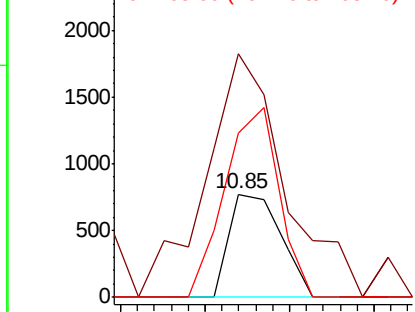
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.631 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Instrument :
 BNA_F
 ClientSampleId :
 081418-DBRI-F-U-B

Tgt Ion:198 Resp: 657
 Ion Ratio Lower Upper
 198 100
 51 235.4 37.7 77.7#
 105 159.1 36.3 76.3#

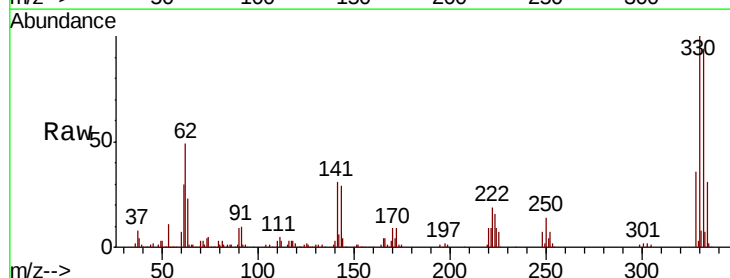


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

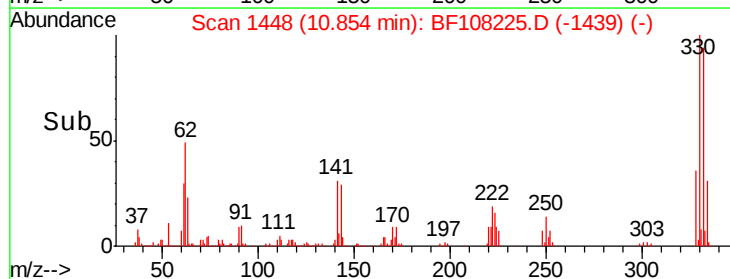
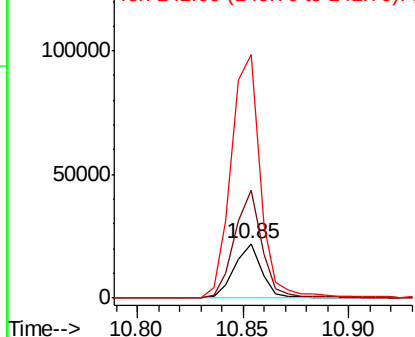


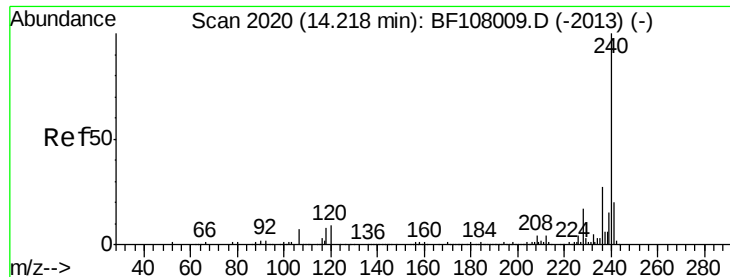
#66
 4-Bromophenyl-phenylether
 Concen: 3.178 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108225.D
 Acq: 17 Aug 2018 5:04

Tgt Ion:248 Resp: 19708
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.9 115.3#
 141 448.7 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# 2018

Delta R.T. -0.01 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

081418-DBRI-F-U-B

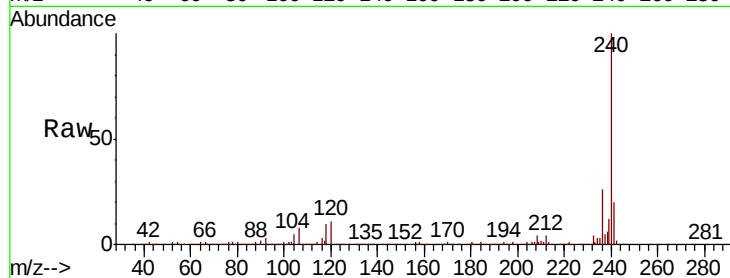
Tgt Ion:240 Resp: 475173

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

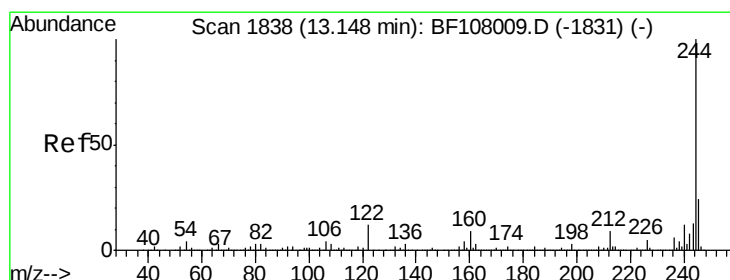
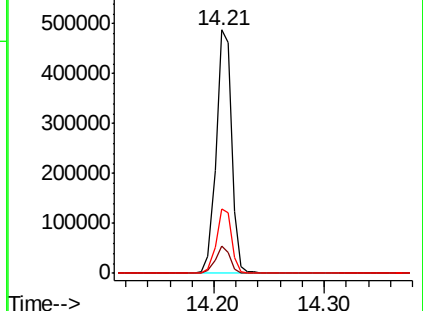
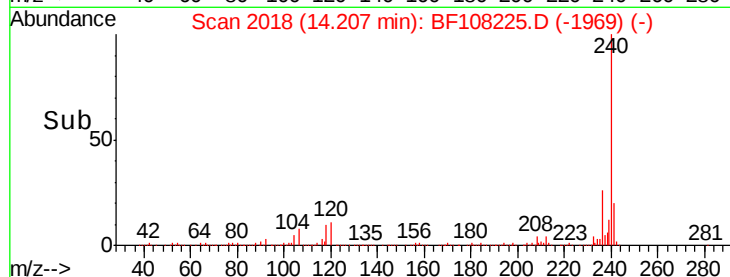
236 26.4 20.7 31.1



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: 101.204 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108225.D

Acq: 17 Aug 2018 5:04

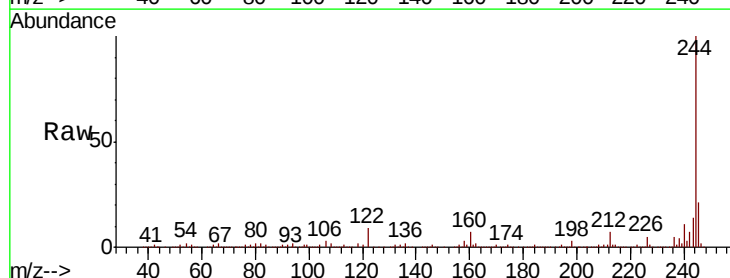
Tgt Ion:244 Resp: 1891379

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

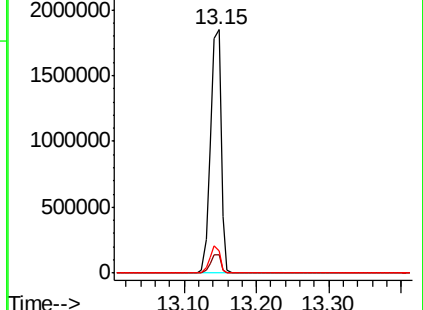
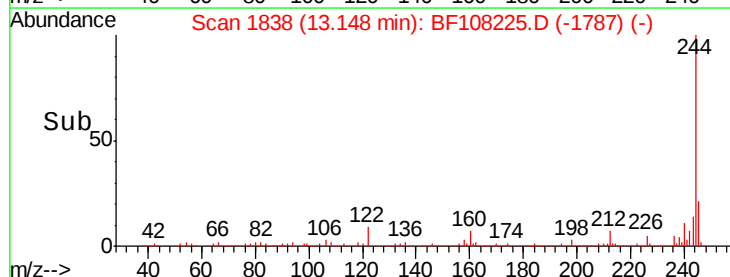
122 9.3 11.0 16.4#

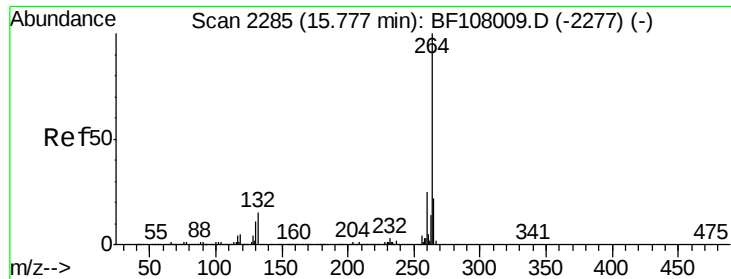


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108225.D
Acq: 17 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
081418-DBRI-F-U-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.0	17.5	26.3

