

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108227.D
 Acq On : 17 Aug 2018 5:59
 Operator : JU/SJ
 Sample : J4504-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 081418-TIPC-F-D-B

Quant Time: Aug 17 07:26:58 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	167720	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	605473	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	278656	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	490894	20.00	ng	0.00
75) Chrysene-d12	14.21	240	449256	20.00	ng	-0.01
86) Perylene-d12	15.77	264	331439	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	408203	44.06	ng	0.00
7) Phenol-d6	6.62	99	330877	26.88	ng	0.00
23) Nitrobenzene-d5	7.58	82	1116149	102.87	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	257230	92.54	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1963730	113.14	ng	0.00
78) Terphenyl-d14	13.14	244	1702465	96.35	ng	0.00

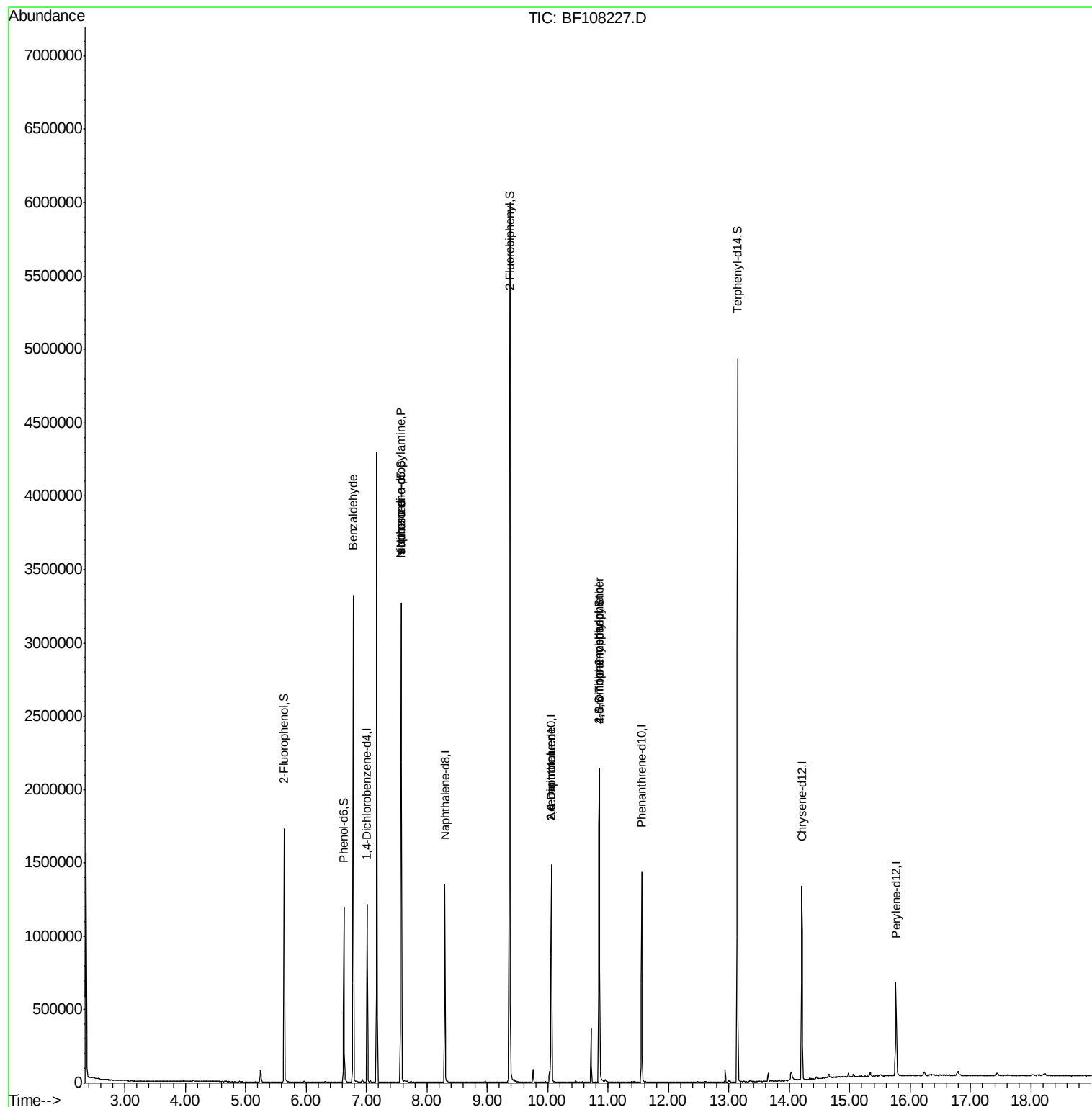
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.78	77	19517	2.045	ng	# 70
19) n-Nitroso-di-n-propylamine	7.58	70	150261	18.050	ng	# 86
25) Isophorone	7.58	82	1116129	53.968	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	35908	8.842	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	35908	6.869	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	489	5.594	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	17944	3.364	ng	# 1

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

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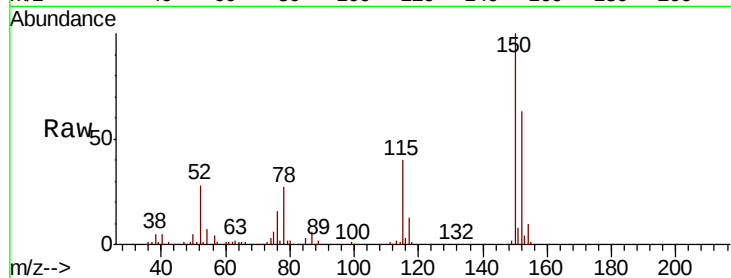


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

Instrument :
BNA_F
ClientSampleId :
081418-TIPC-F-D-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	62.6	50.1	75.1

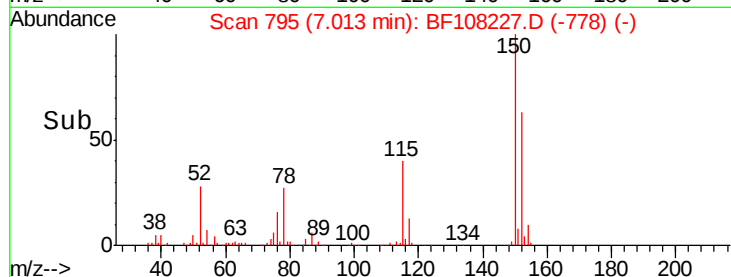
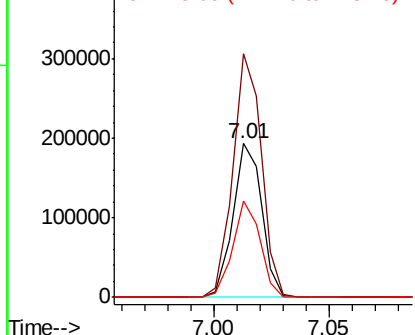


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

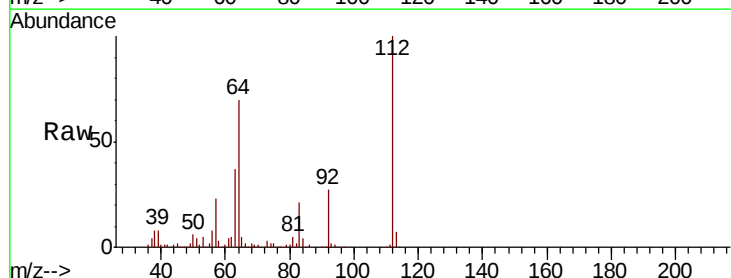
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.064 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	47.9	71.9
63	36.8	23.7	35.5#

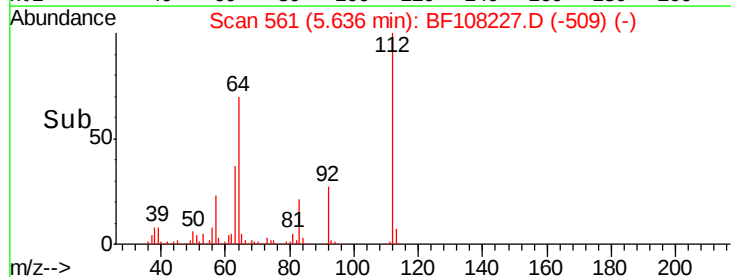
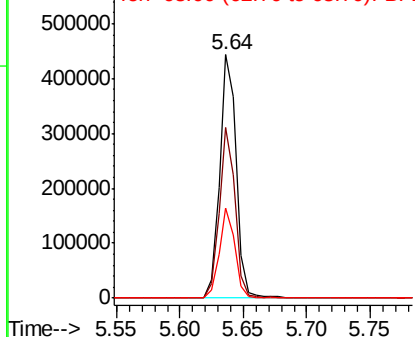


Abundance

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: 26.877 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108227.D

Acq: 17 Aug 2018 5:59

Instrument :

BNA_F

ClientSampleId :

081418-TIPC-F-D-B

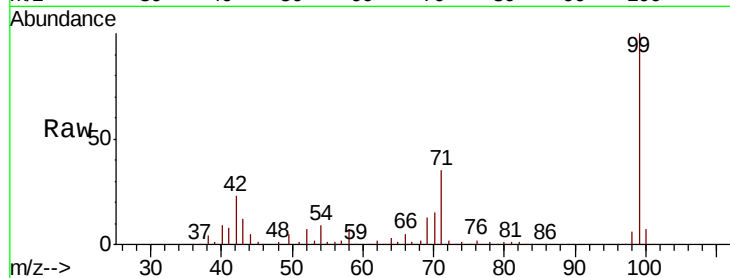
Tgt Ion: 99 Resp: 330877

Ion Ratio Lower Upper

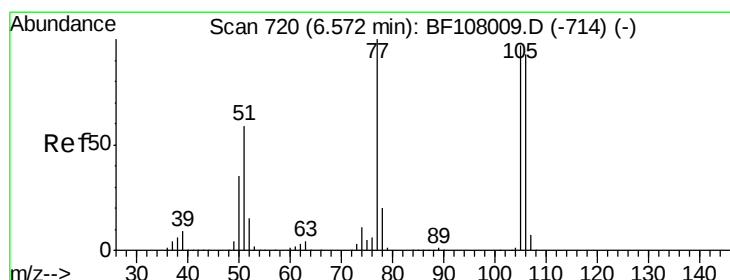
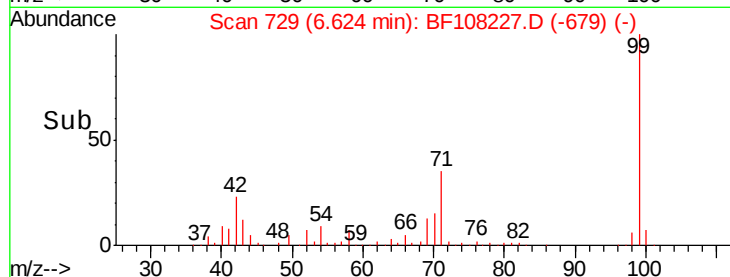
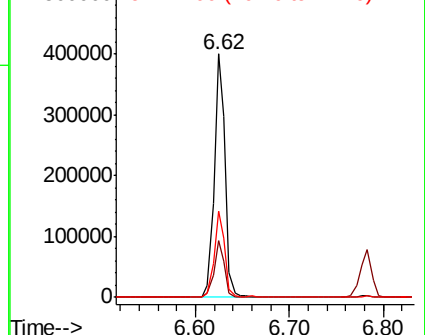
99 100

42 23.1 14.5 21.7#

71 35.4 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: 2.045 ng

RT: 6.78 min Scan# 756

Delta R.T. 0.21 min

Lab File: BF108227.D

Acq: 17 Aug 2018 5:59

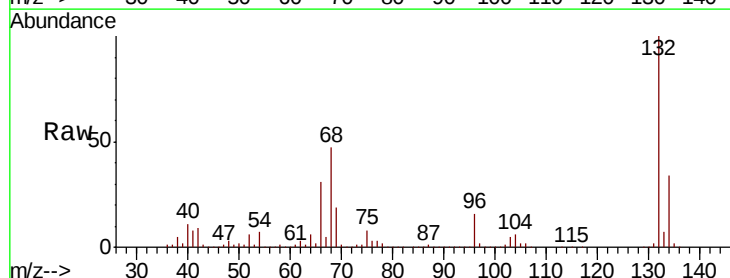
Tgt Ion: 77 Resp: 19517

Ion Ratio Lower Upper

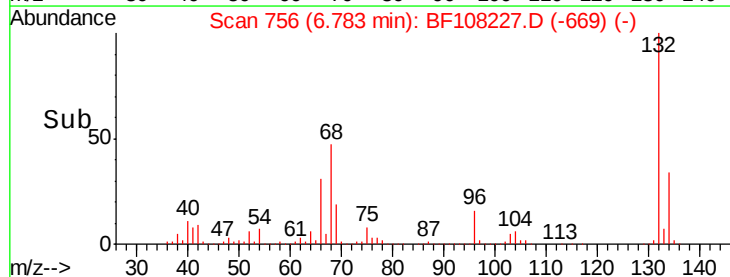
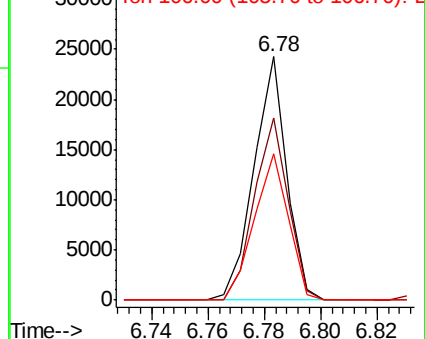
77 100

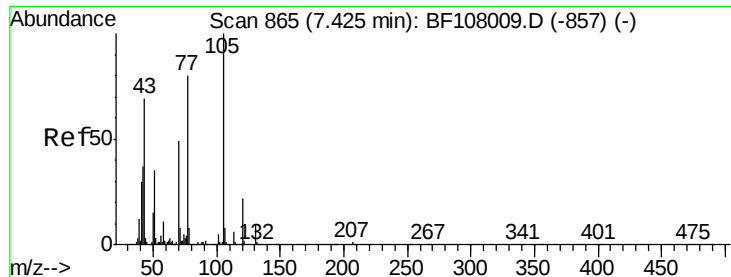
105 75.1 81.1 121.1#

106 60.2 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

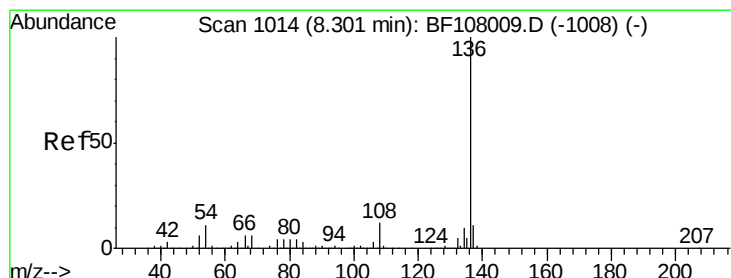
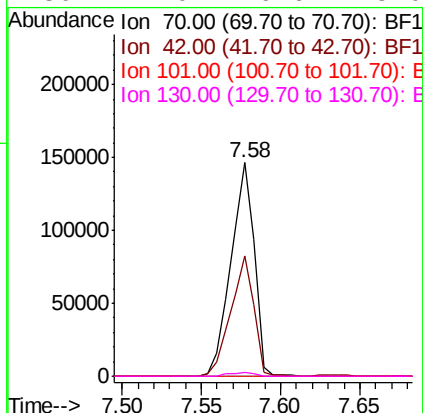
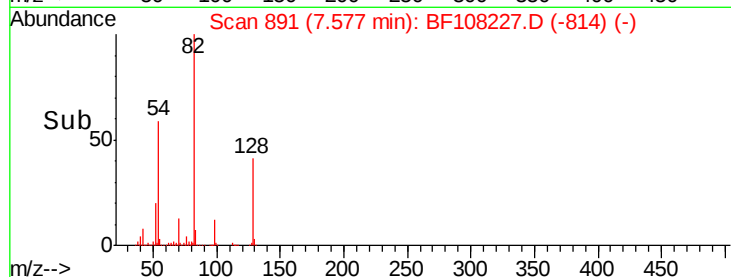
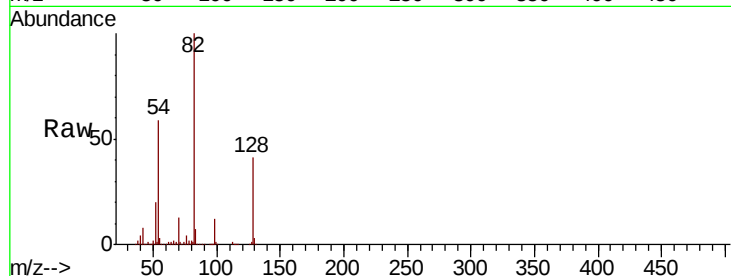




#19
n-Nitroso-di-n-propylamine
Concen: 18.050 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

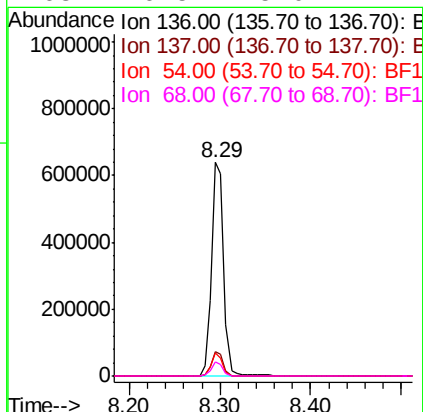
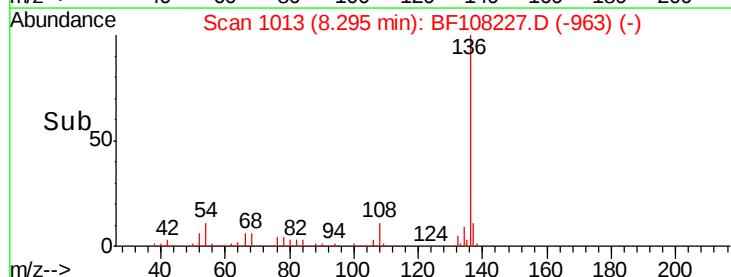
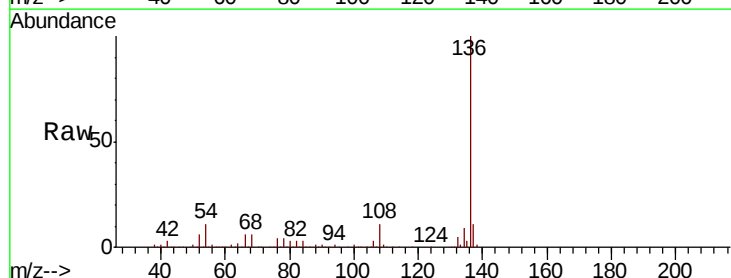
Instrument :
BNA_F
ClientSampleId :
081418-TIPC-F-D-B

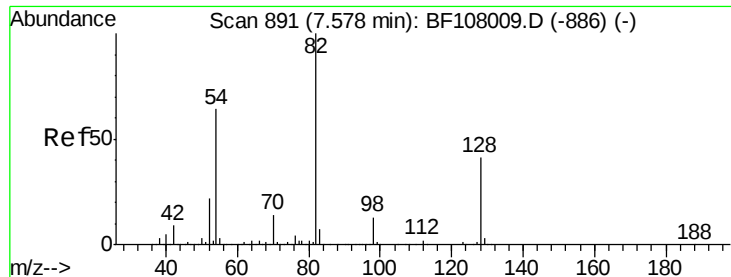
Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.5	6.6	9.8#
68	6.5	5.0	7.4

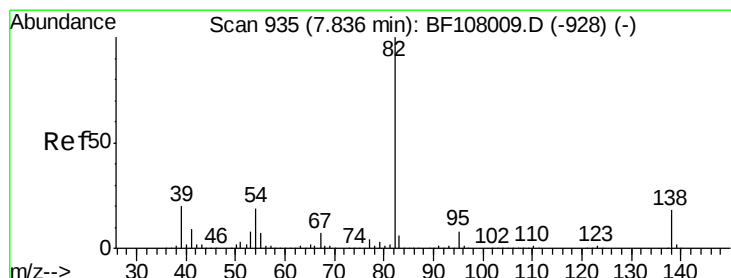
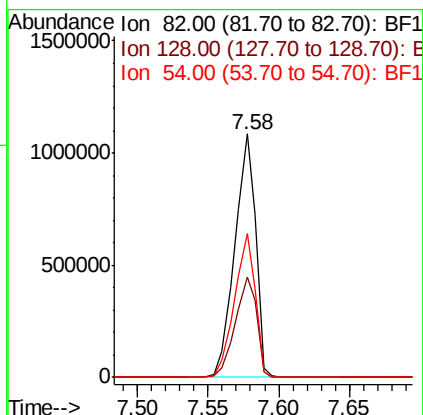
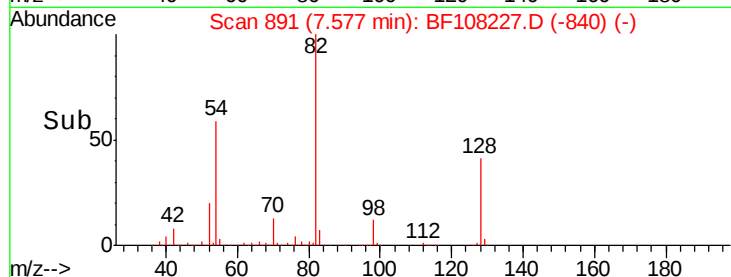
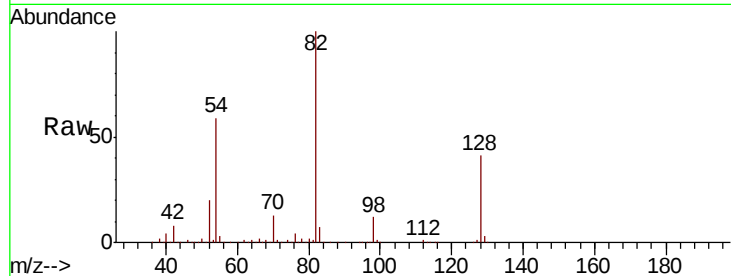




#23
 Nitrobenzene-d5
 Concen: 102.866 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

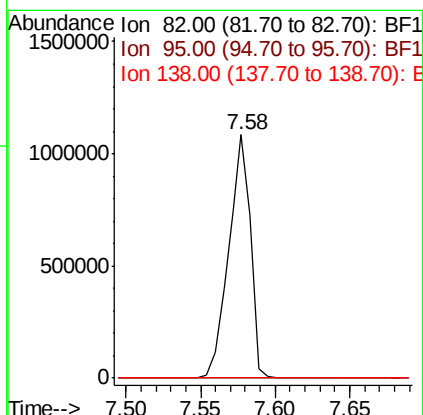
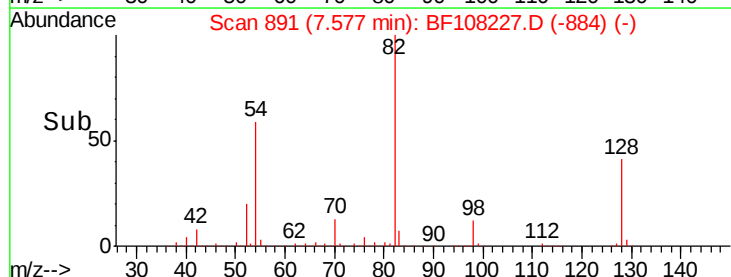
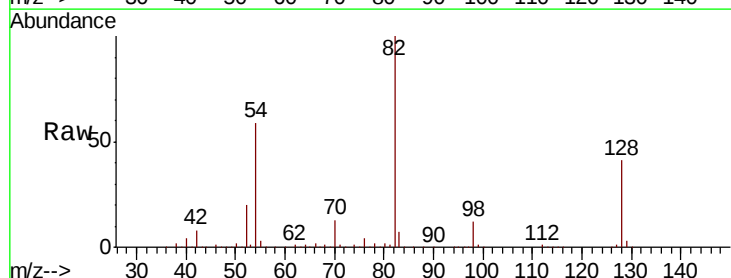
Instrument :
 BNA_F
 ClientSampleId :
 081418-TIPC-F-D-B

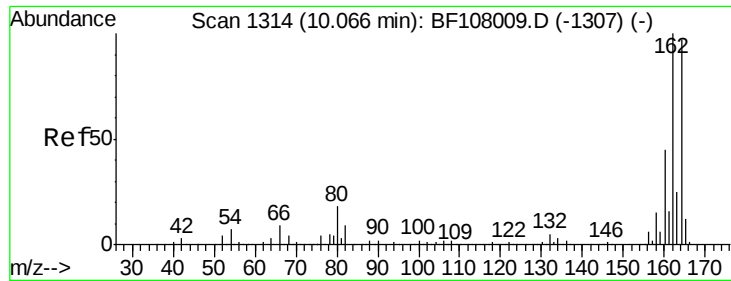
Tgt Ion: 82 Resp: 1116149
 Ion Ratio Lower Upper
 82 100
 128 41.0 36.1 54.1
 54 59.2 41.4 62.2



#25
 Isophorone
 Concen: 53.968 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

Tgt Ion: 82 Resp: 1116129
 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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108227.D

Acq: 17 Aug 2018 5:59

Instrument :

BNA_F

ClientSampleId :

081418-TIPC-F-D-B

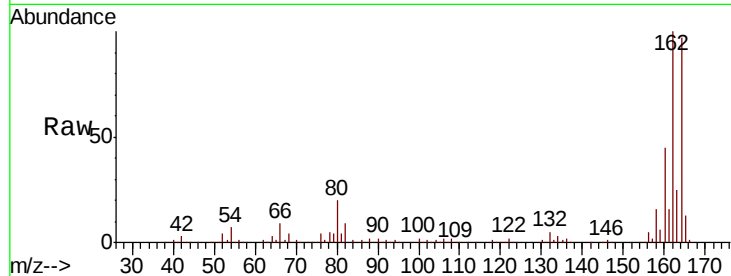
Tgt Ion:164 Resp: 278656

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

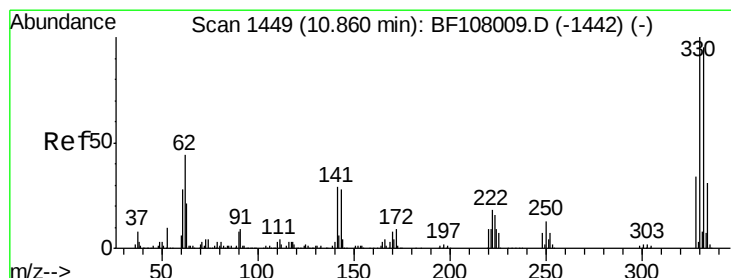
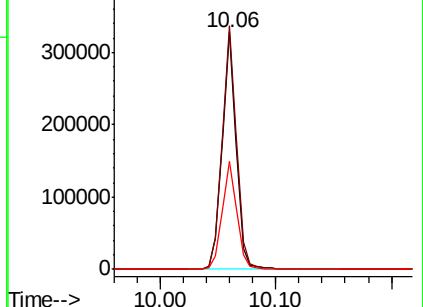
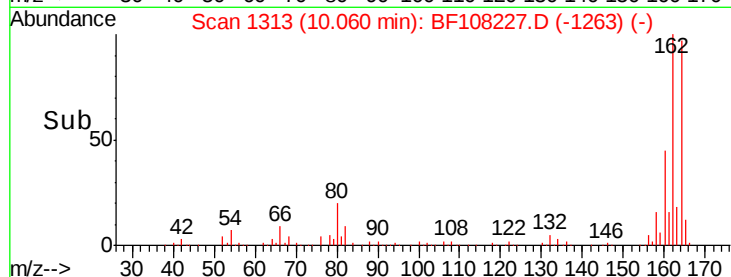
160 45.8 38.3 57.5



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: 92.545 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108227.D

Acq: 17 Aug 2018 5:59

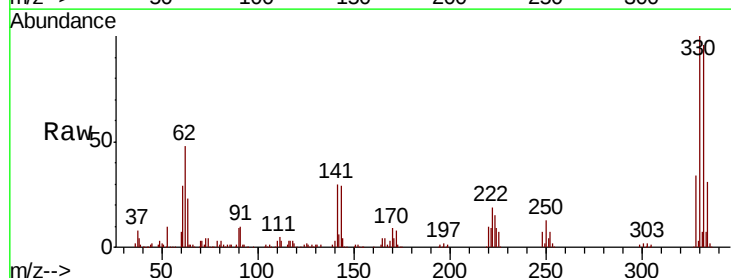
Tgt Ion:330 Resp: 257230

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

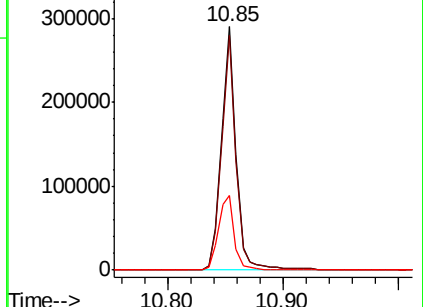
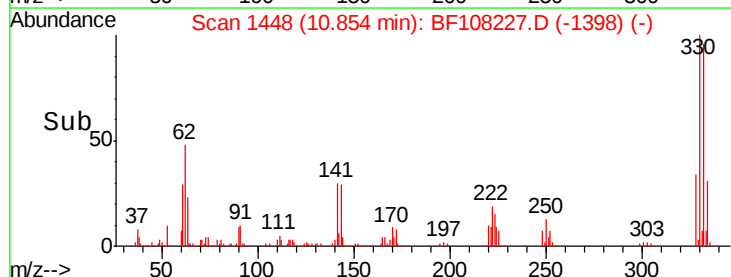
141 33.5 29.9 44.9



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

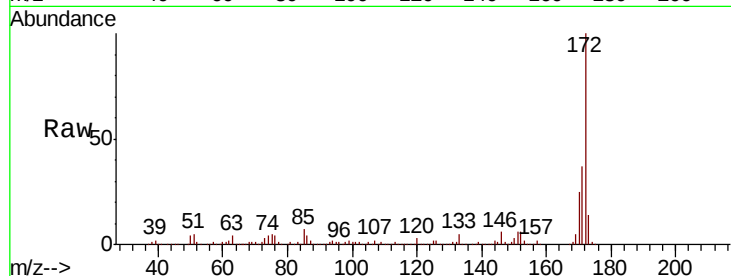




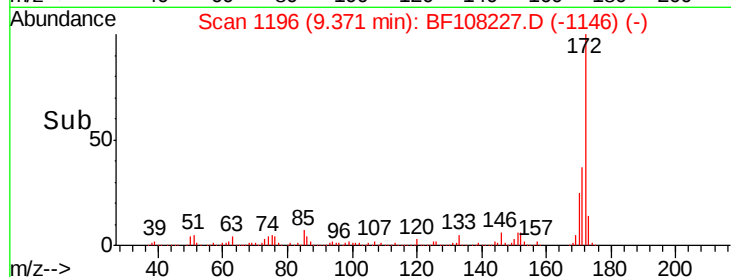
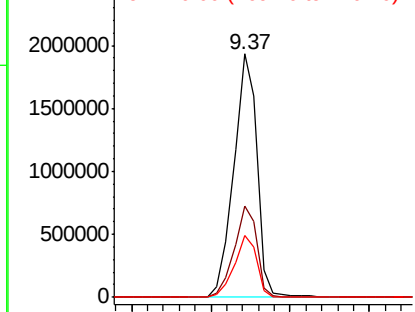
#44
 2-Fluorobiphenyl
 Concen: 113.140 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

Instrument :
 BNA_F
 ClientSampleId :
 081418-TIPC-F-D-B

Tgt Ion:172 Resp: 1963730
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.7 44.5
 170 25.5 19.6 29.4

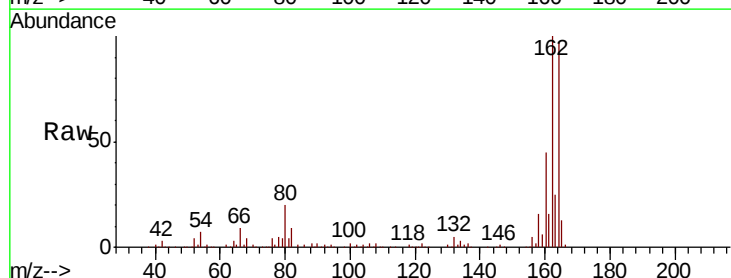


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

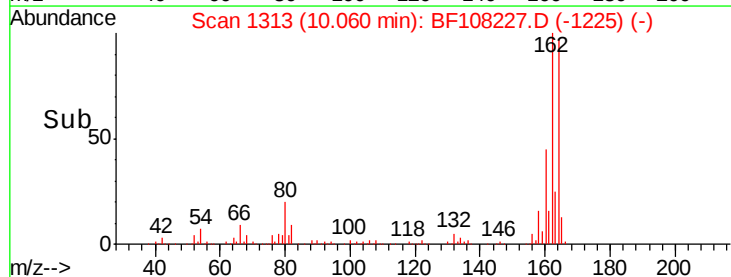
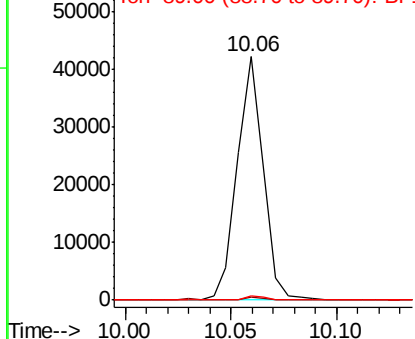


#50
 2,6-Dinitrotoluene
 Concen: 8.842 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

Tgt Ion:165 Resp: 35908
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.9 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

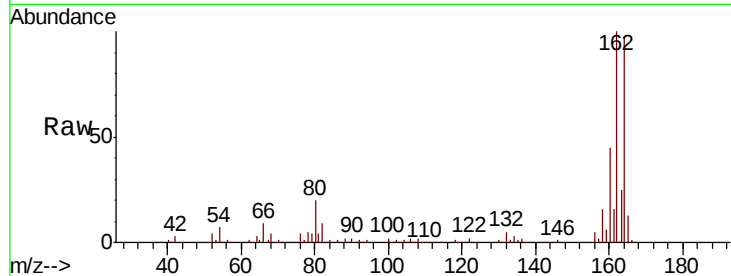




#56
2,4-Dinitrotoluene
Concen: 6.869 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

Instrument :
BNA_F
ClientSampleId :
081418-TIPC-F-D-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



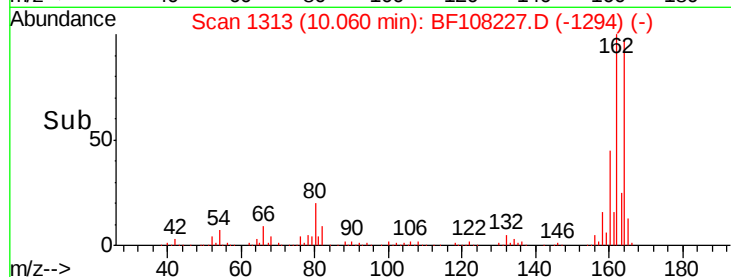
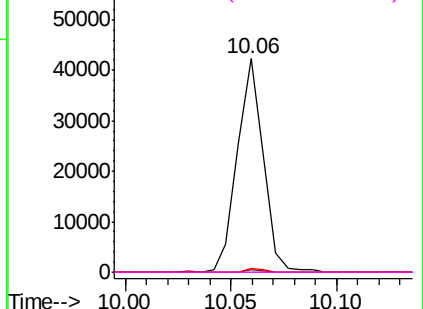
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

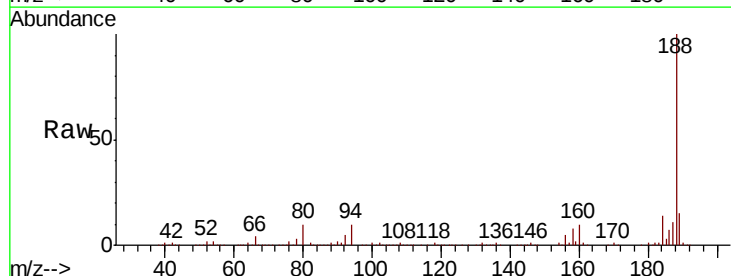
Ion 89.00 (88.70 to 89.70): BF1

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: BF108227.D
Acq: 17 Aug 2018 5:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.2	9.2	13.8

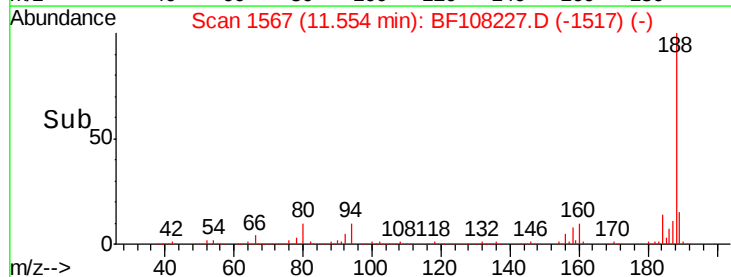
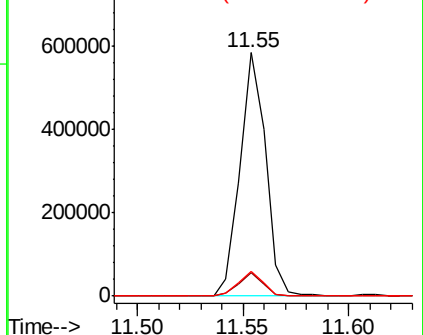


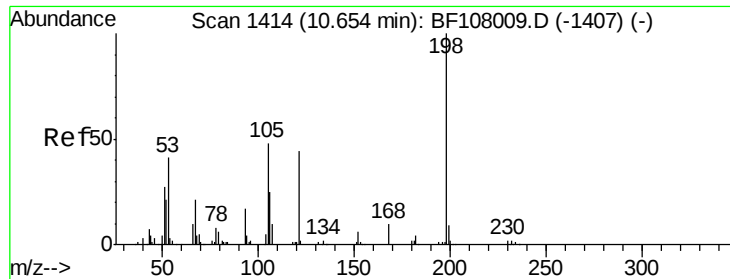
Abundance

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

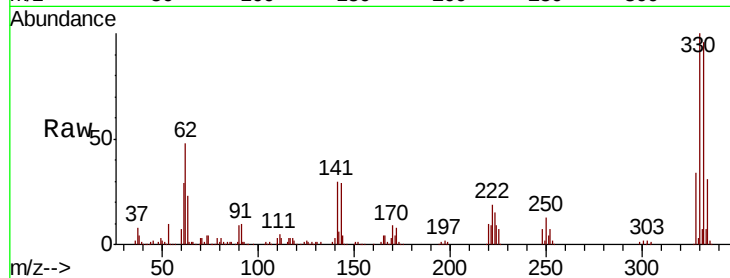




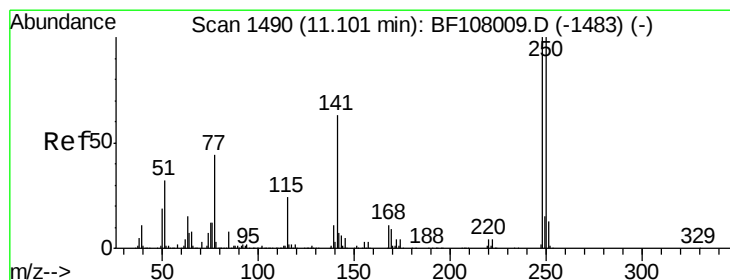
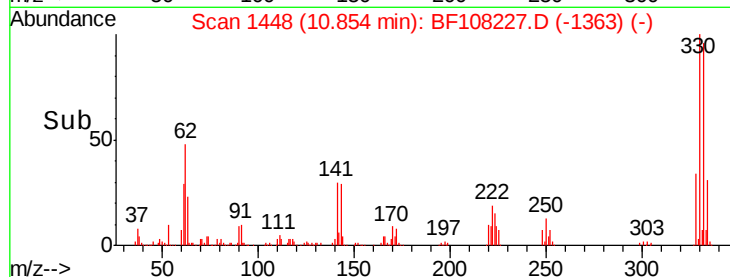
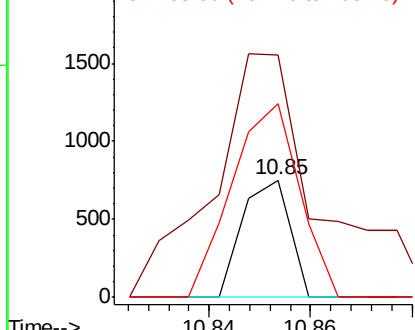
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.594 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

Instrument :
 BNA_F
 ClientSampleId :
 081418-TIPC-F-D-B

Tgt Ion:198 Resp: 489
 Ion Ratio Lower Upper
 198 100
 51 207.2 37.7 77.7#
 105 165.1 36.3 76.3#

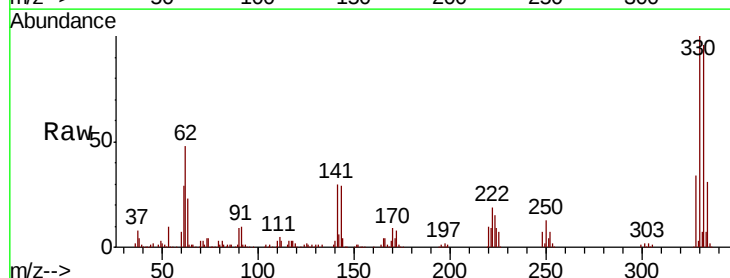


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

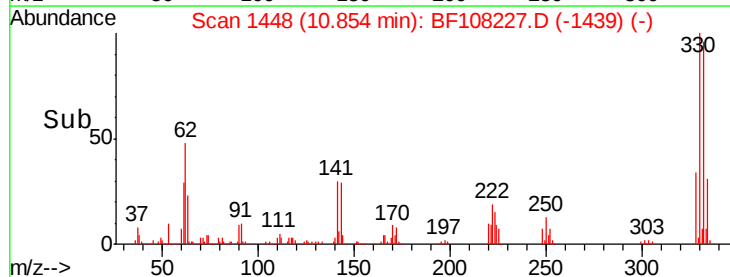
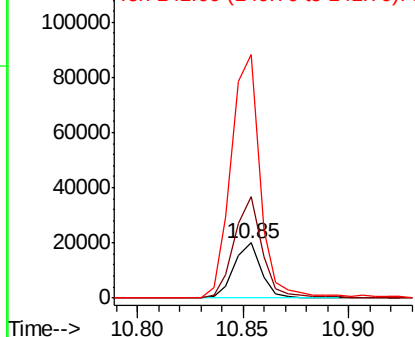


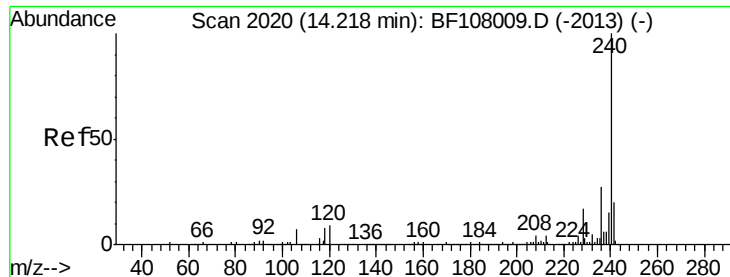
#66
 4-Bromophenyl-phenylether
 Concen: 3.364 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108227.D
 Acq: 17 Aug 2018 5:59

Tgt Ion:248 Resp: 17944
 Ion Ratio Lower Upper
 248 100
 250 184.6 76.9 115.3#
 141 440.3 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: BF108227.D

Acq: 17 Aug 2018 5:59

Instrument :

BNA_F

ClientSampleId :

081418-TIPC-F-D-B

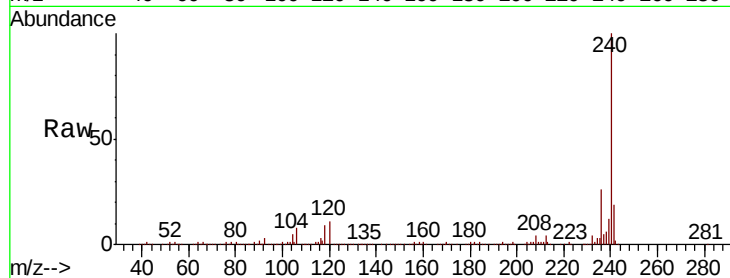
Tgt Ion:240 Resp: 449256

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

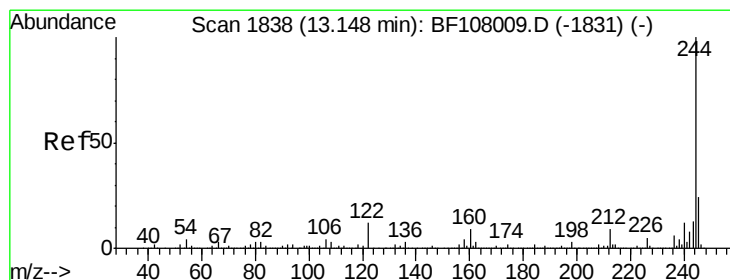
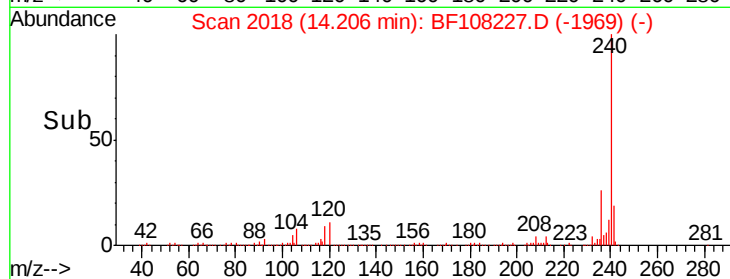
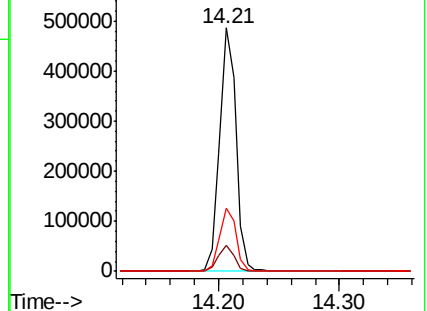
236 26.0 20.7 31.1



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: 96.351 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108227.D

Acq: 17 Aug 2018 5:59

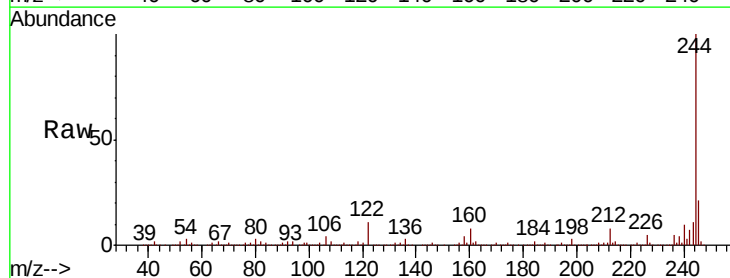
Tgt Ion:244 Resp: 1702465

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.0

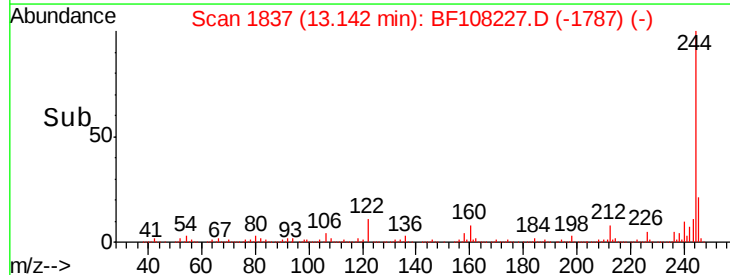
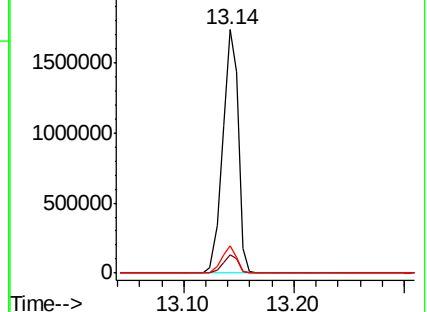
122 11.4 11.0 16.4

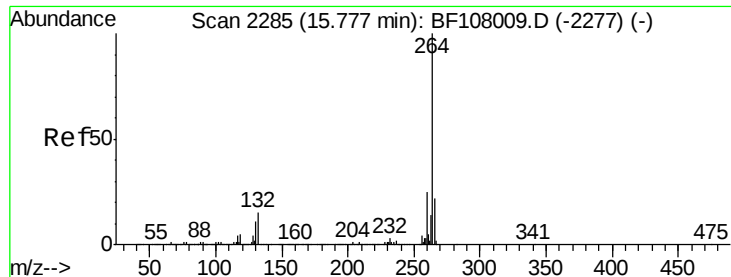


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2283
Delta R.T. -0.01 min
Lab File: BF108227.D
Acq: 17 Aug 2018 5:59

Instrument :
BNA_F
ClientSampleId :
081418-TIPC-F-D-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.5	26.3

