

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104654.D
 Acq On : 20 Apr 2018 2:54
 Operator : JU/SJ
 Sample : PB108376BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 04:50:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

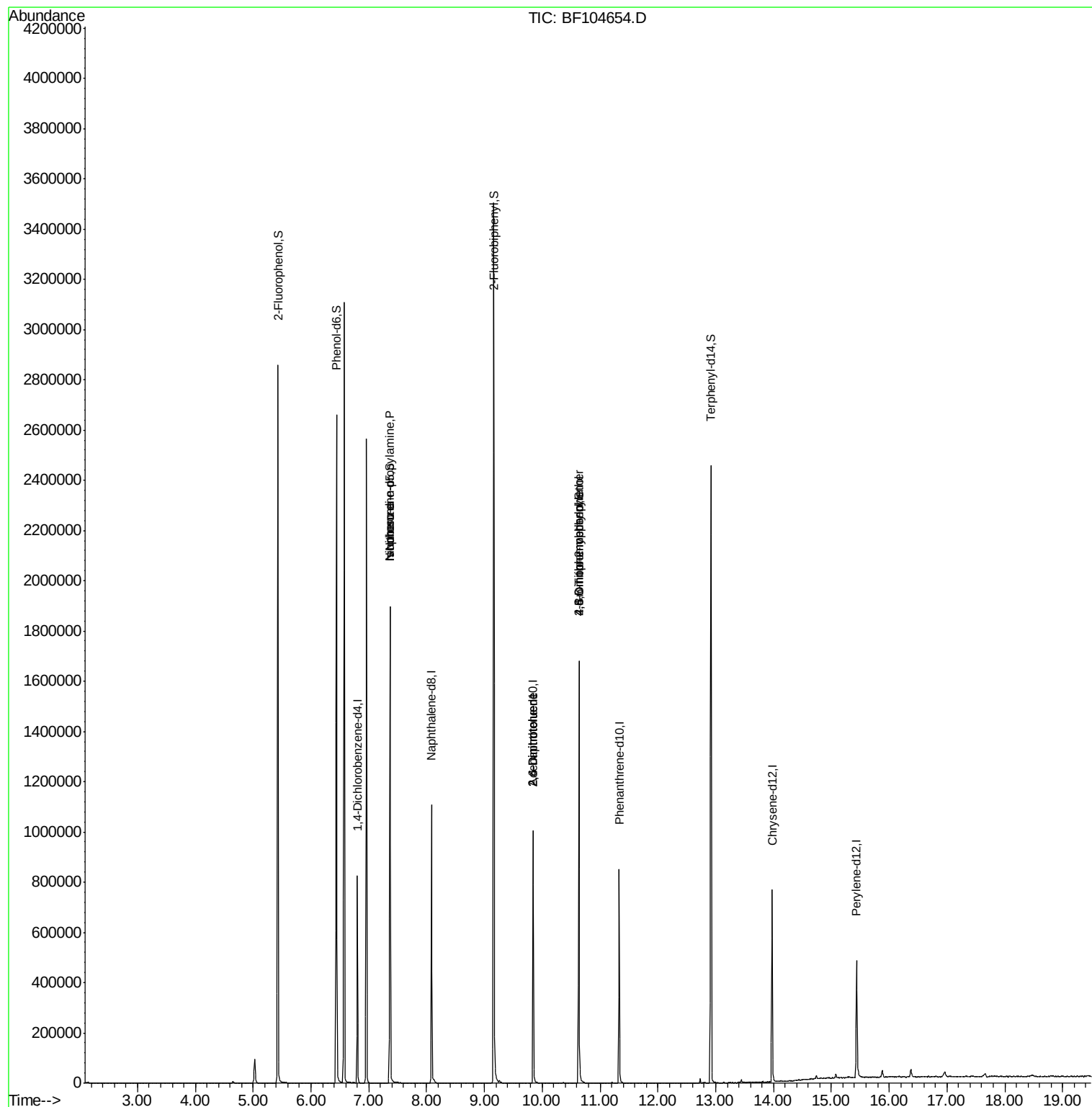
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123355	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	492290	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	201786	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	308064	20.00	ng	0.00
75) Chrysene-d12	13.97	240	261769	20.00	ng	-0.01
86) Perylene-d12	15.44	264	221240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	872644	108.17	ng	0.01
7) Phenol-d6	6.45	99	1039458	104.87	ng	0.00
23) Nitrobenzene-d5	7.37	82	665924	88.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	213806	102.14	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1125476	88.11	ng	0.00
78) Terphenyl-d14	12.92	244	865003	75.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	85246	13.161	ng	# 72
25) Isophorone	7.37	82	665919	41.770	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	25689	8.725	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	25689	6.651	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	327	7.532	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12697	3.875	ng	# 1
76) Benzidine	12.67	184	552	Below Cal		# 66

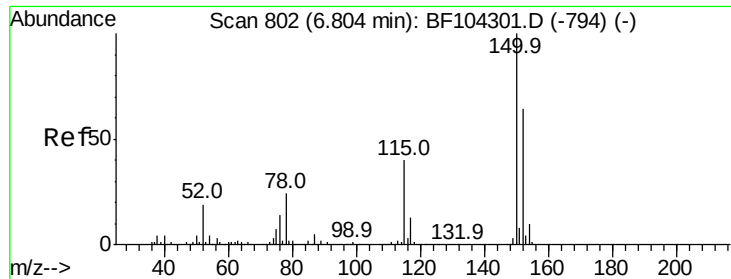
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104654.D
Acq On : 20 Apr 2018 2:54
Operator : JU/SJ
Sample : PB108376BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 20 04:50:49 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 14:44:03 2018
Response via : Initial Calibration



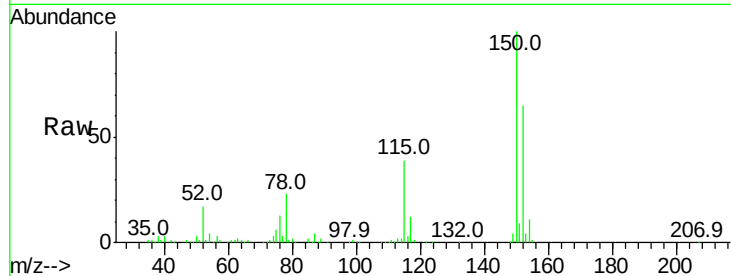


#1

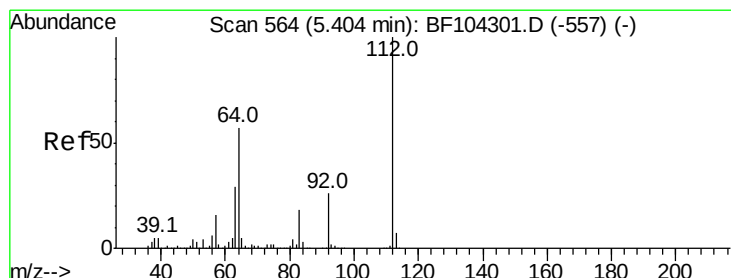
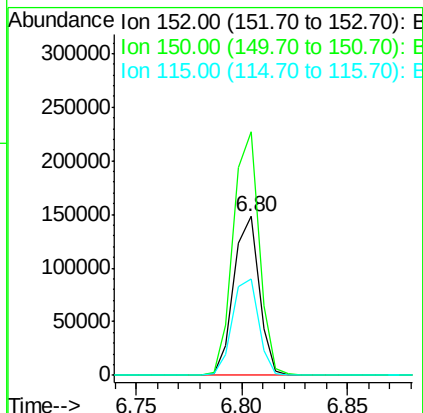
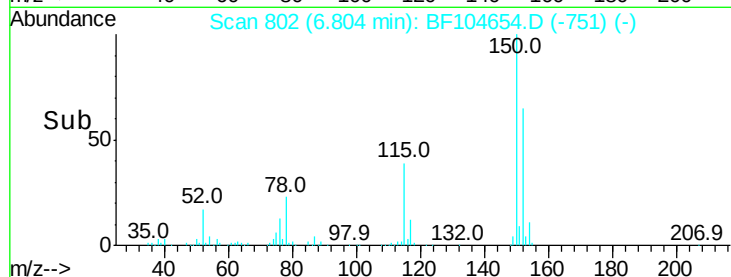
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104654.D
Acq: 20 Apr 2018 2:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	60.5	50.1	75.1



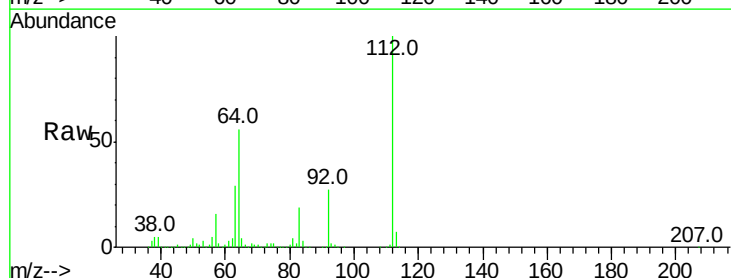
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



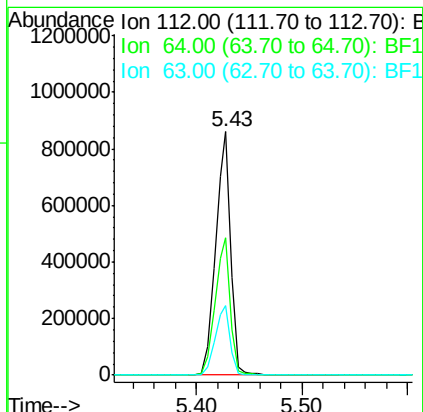
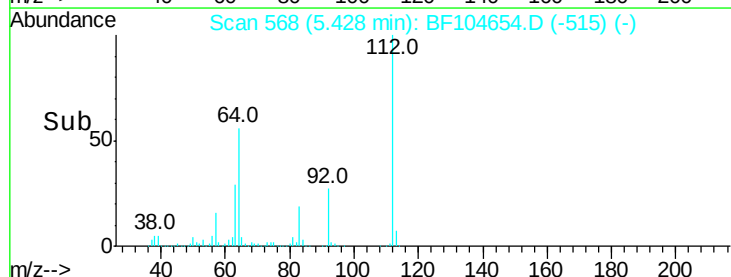
#5

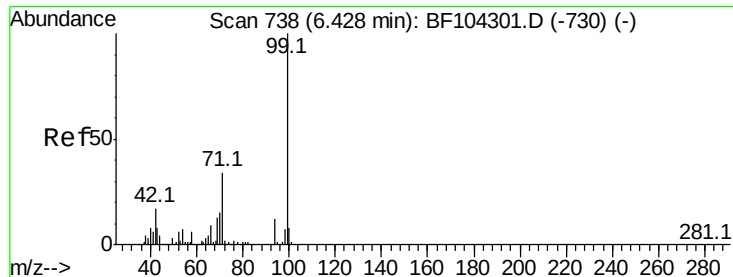
2-Fluorophenol
Concen: 108.169 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104654.D
Acq: 20 Apr 2018 2:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.7	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: 104.866 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Instrument :

BNA_F

ClientSampleId :

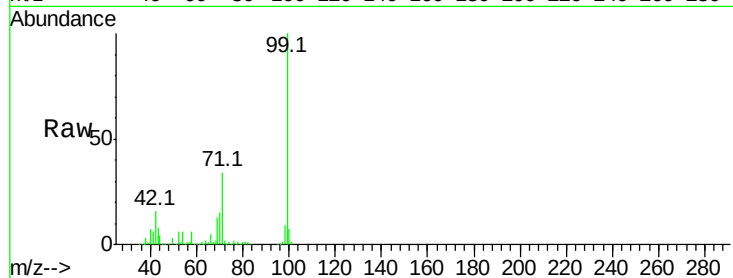
Tot Ion: 99 Resp: 1039458

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

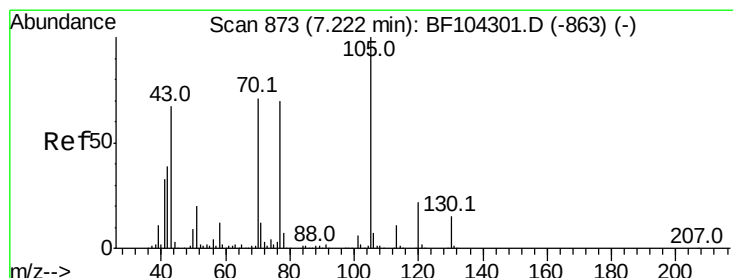
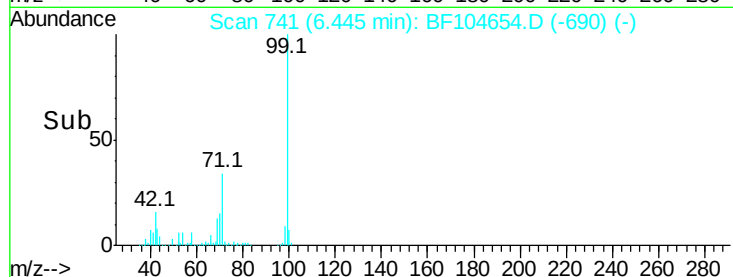
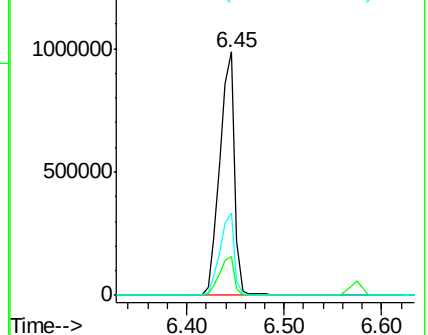
71 33.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.161 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Tgt Ion: 70 Resp: 85246

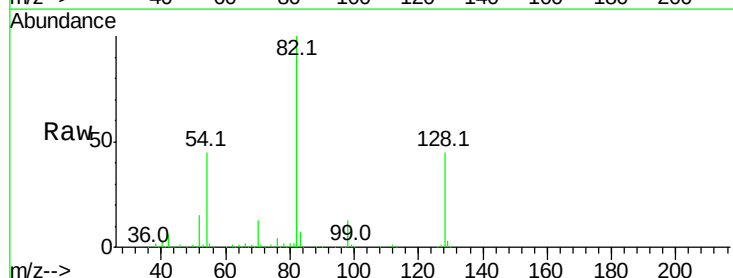
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

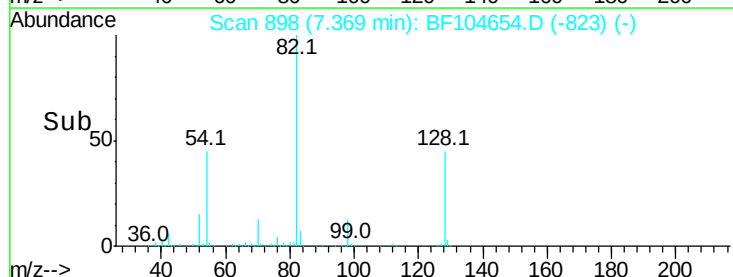
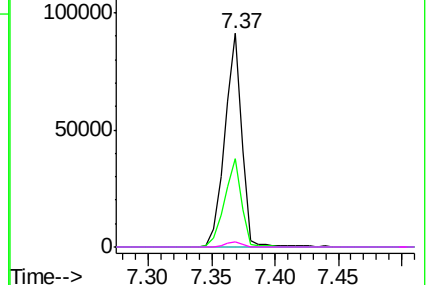


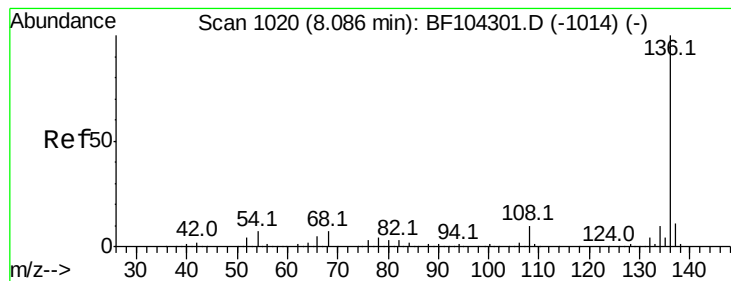
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 492290

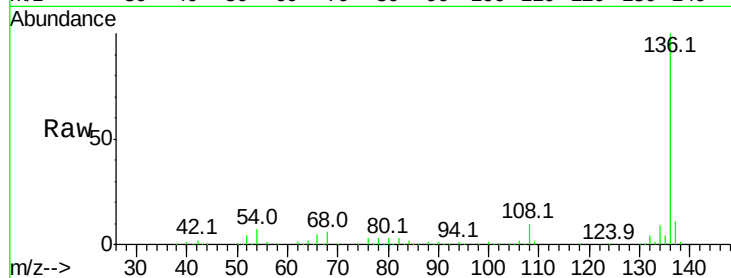
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.6 6.6 9.8#

68 5.9 5.0 7.4

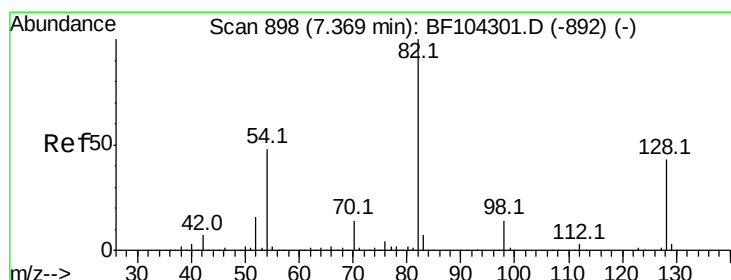
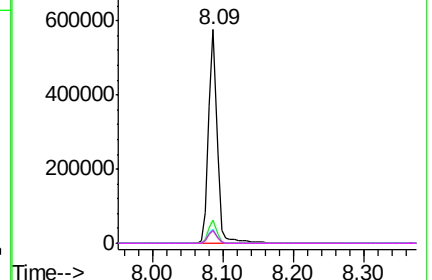
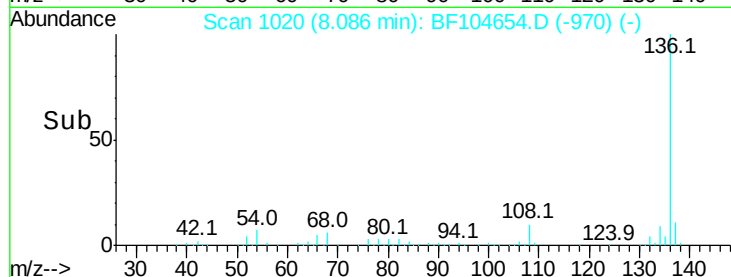


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.329 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

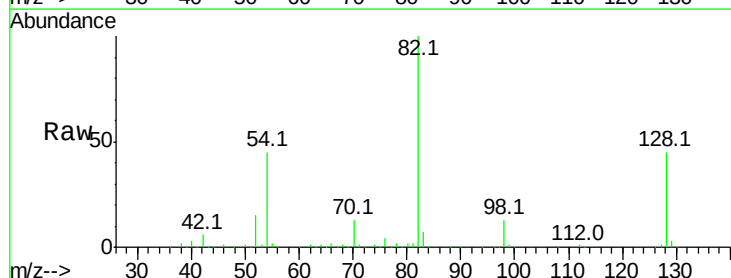
Tgt Ion: 82 Resp: 665924

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

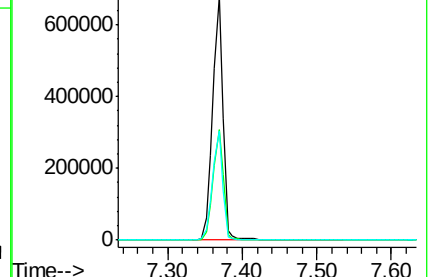
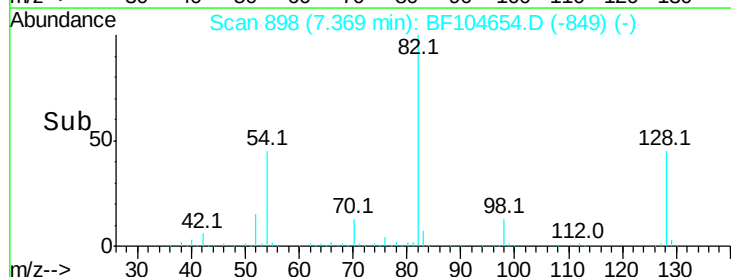
54 45.0 41.4 62.2

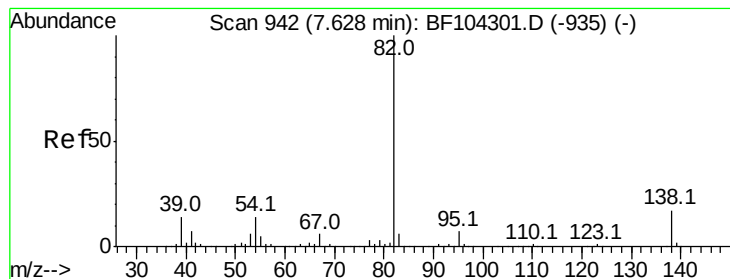


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.770 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Instrument :

BNA_F

ClientSampled :

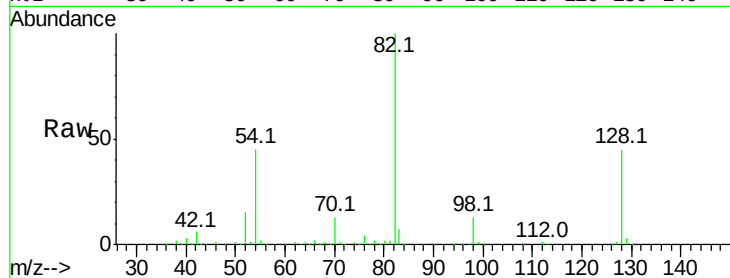
Tot Ion: 82 Resp: 665919

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

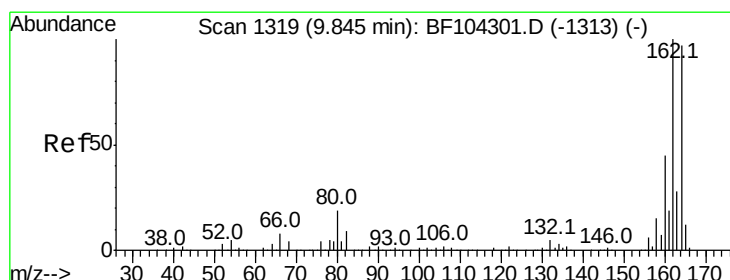
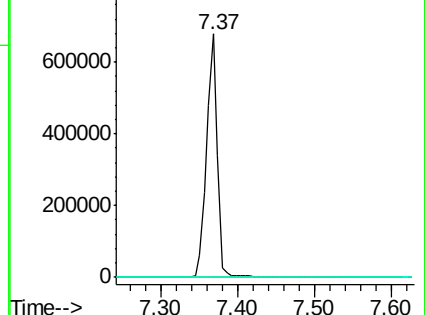
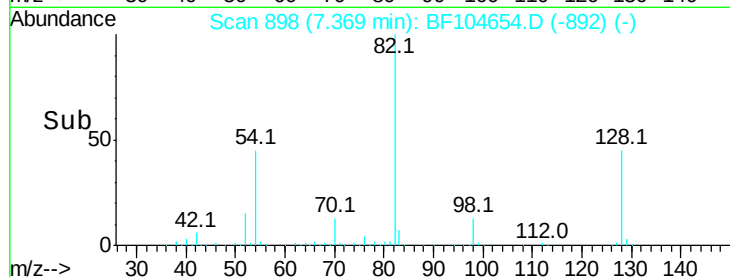
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

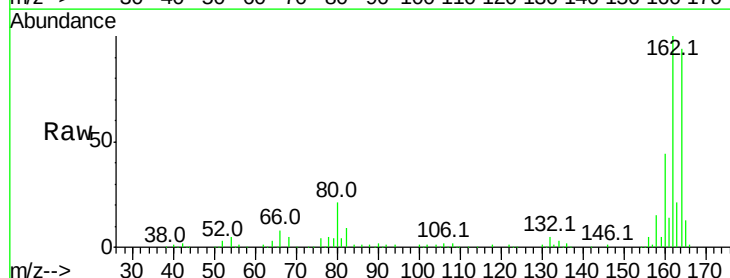
Tgt Ion:164 Resp: 201786

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

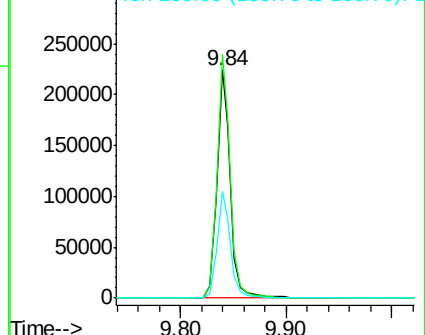
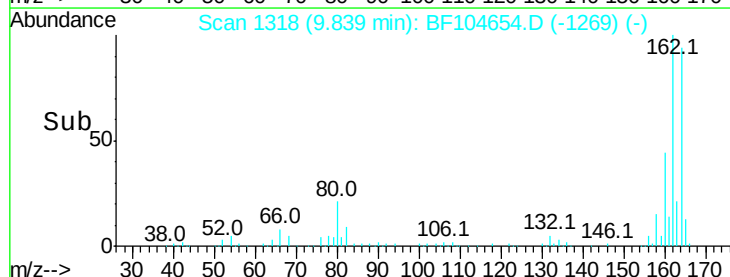
160 46.8 38.3 57.5

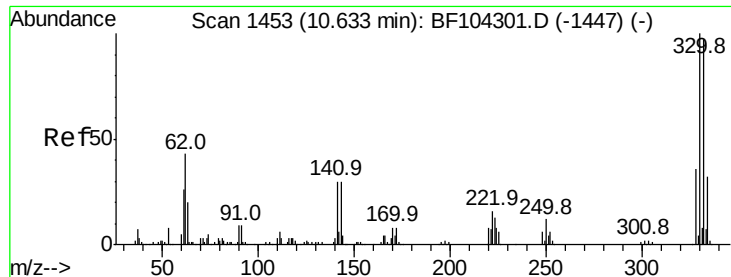


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

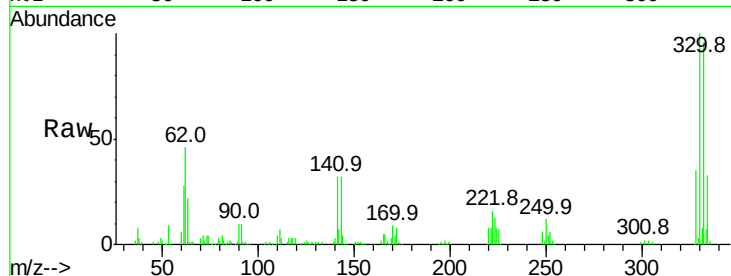




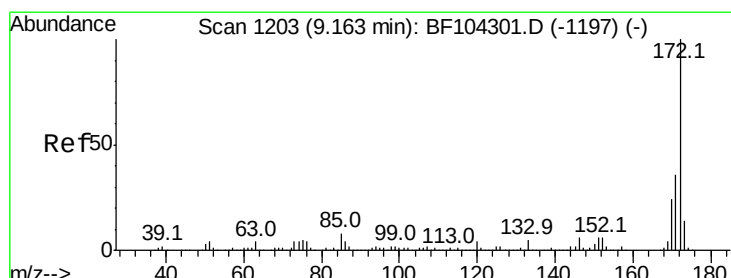
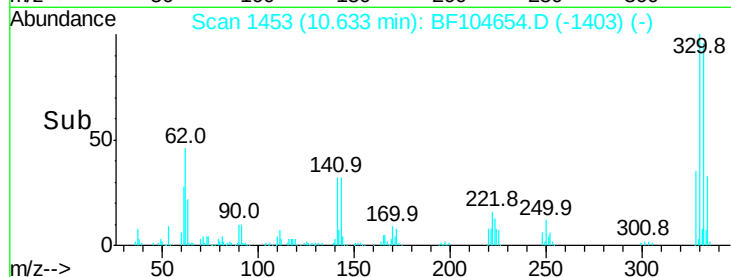
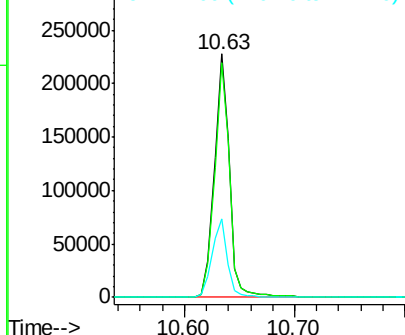
#41
 2,4,6-Tribromophenol
 Concen: 102.144 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.8	29.9	44.9

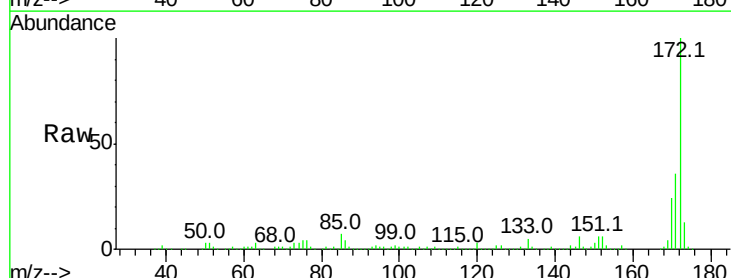


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

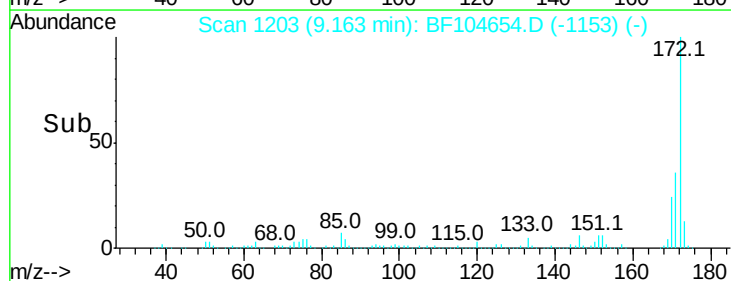
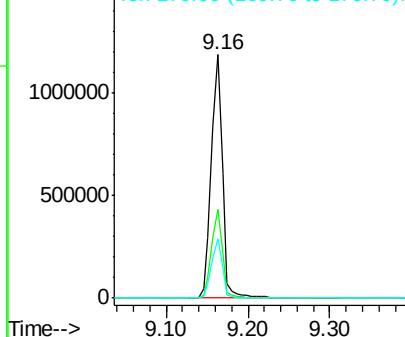


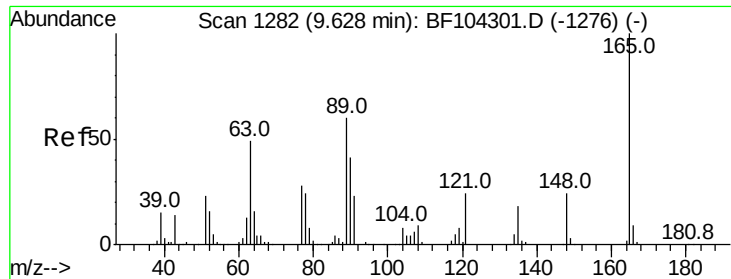
#44
 2-Fluorobiphenyl
 Concen: 88.112 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	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: 8.725 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Instrument :

BNA_F

ClientSampleId :

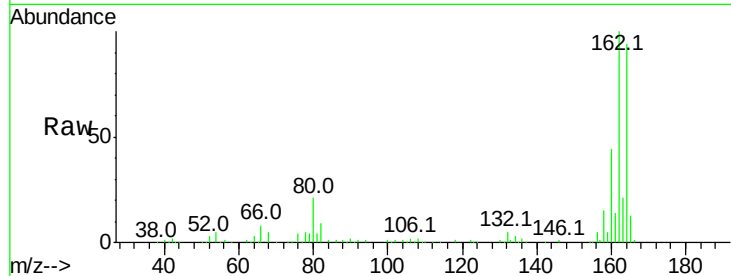
Tot Ion:165 Resp: 25689

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

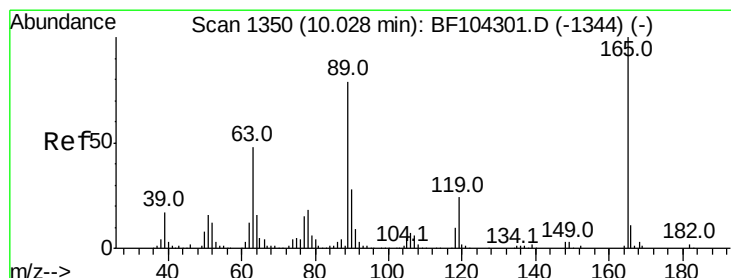
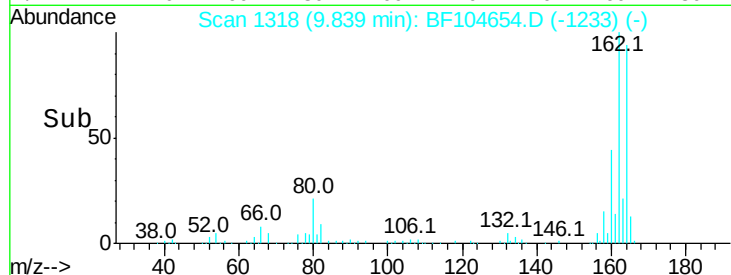
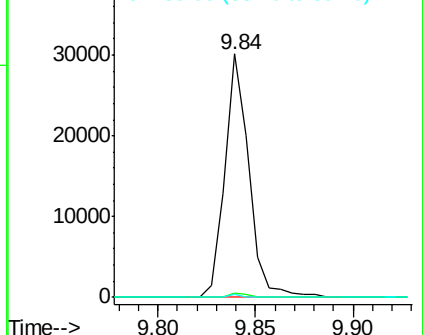
89 1.2 44.0 66.0#



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: 6.651 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF104654.D

Acq: 20 Apr 2018 2:54

Tgt Ion:165 Resp: 25689

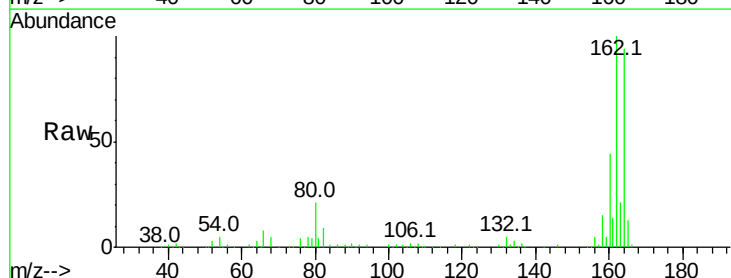
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

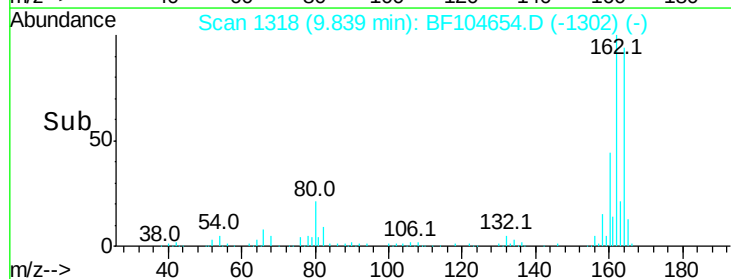
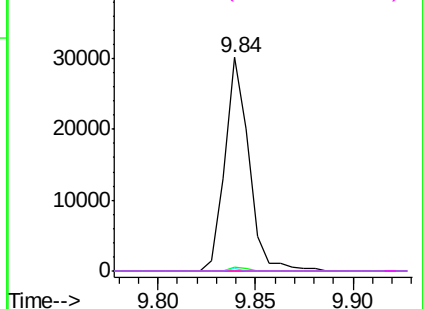


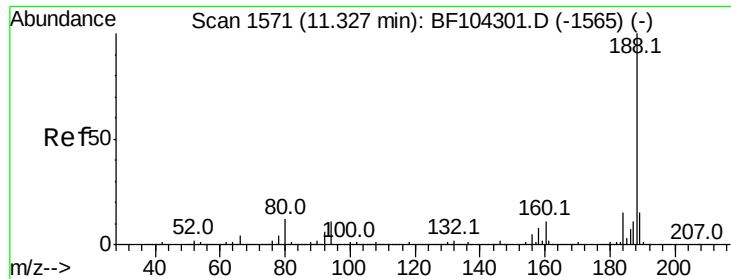
Abundance Ion 165.00 (164.70 to 165.70): E

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

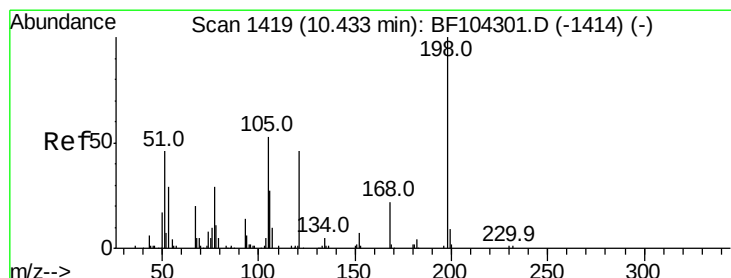
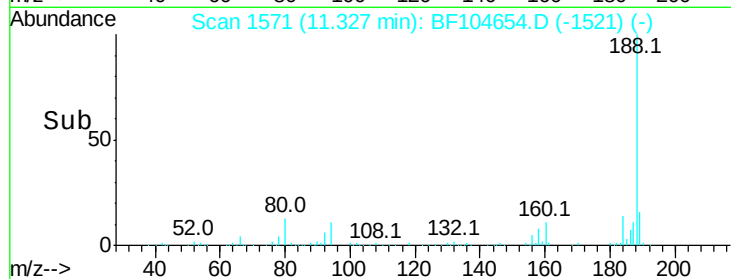
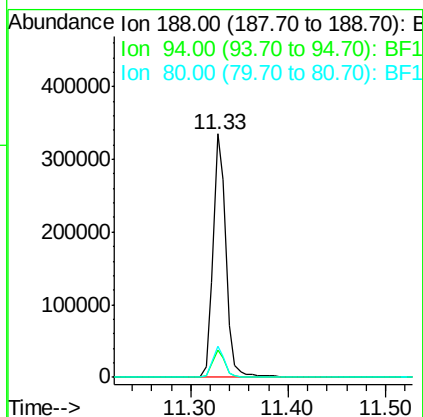
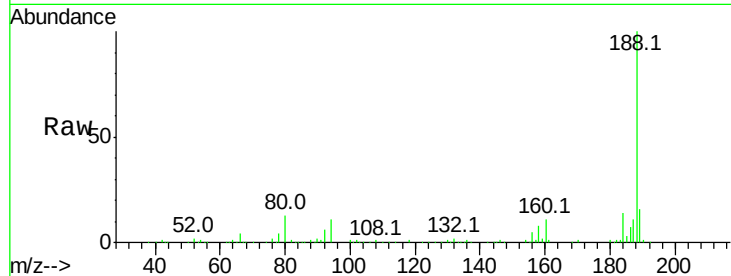




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104654.D
Acq: 20 Apr 2018 2:54

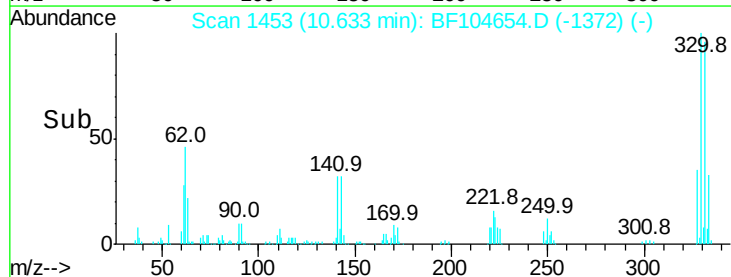
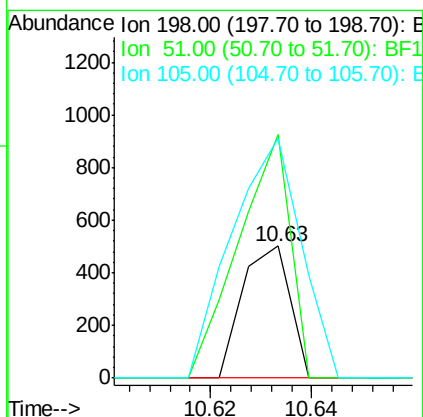
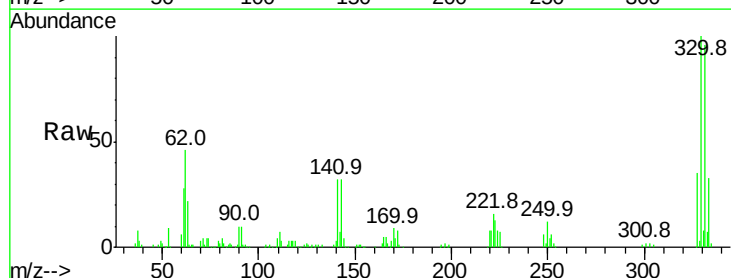
Instrument :
BNA_F
ClientSampleId :

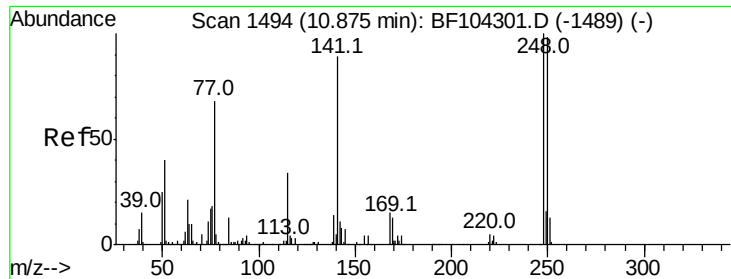
Tot Ion:188 Resp: 308064
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.532 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104654.D
Acq: 20 Apr 2018 2:54

Tgt Ion:198 Resp: 327
Ion Ratio Lower Upper
198 100
51 184.3 37.7 77.7#
105 181.1 36.3 76.3#

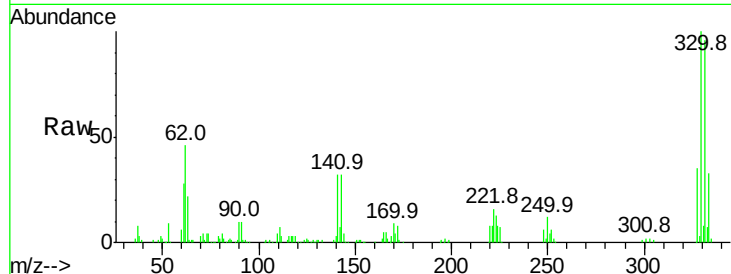




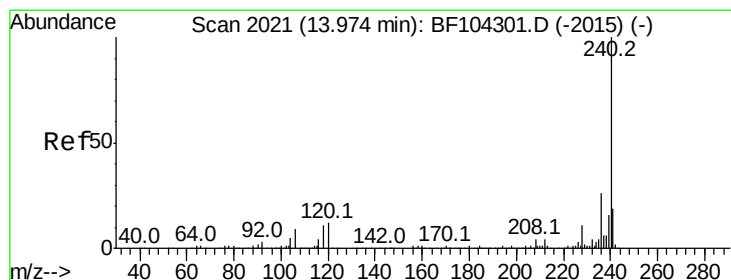
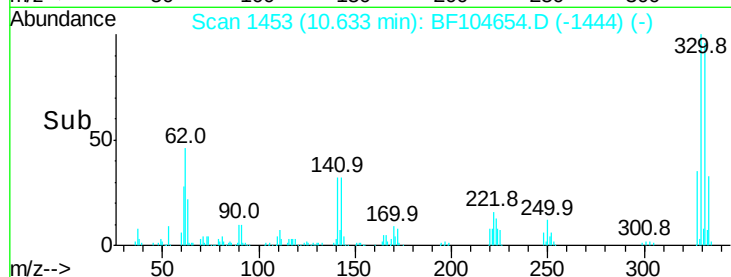
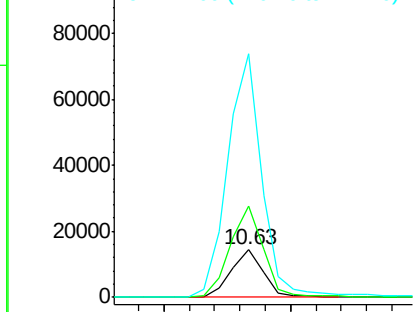
#66
 4-Bromophenyl-phenylether
 Concen: 3.875 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12697
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 516.0 74.4 111.6#

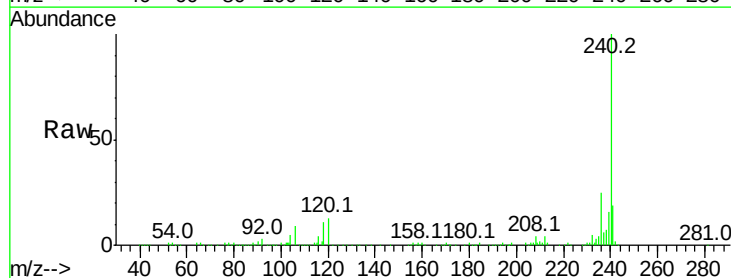


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

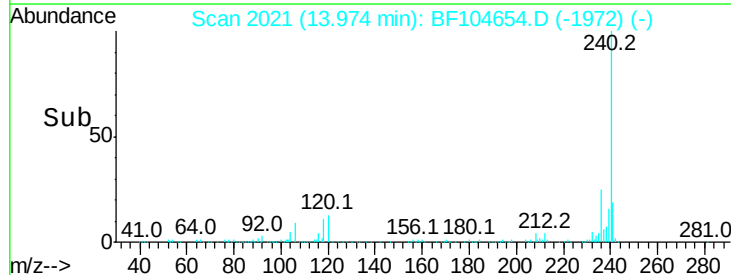
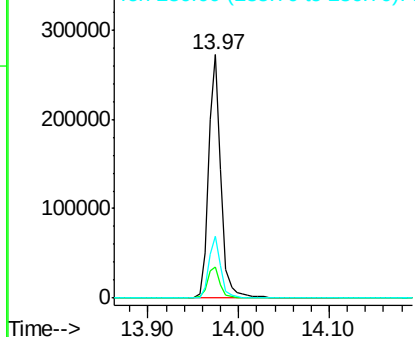


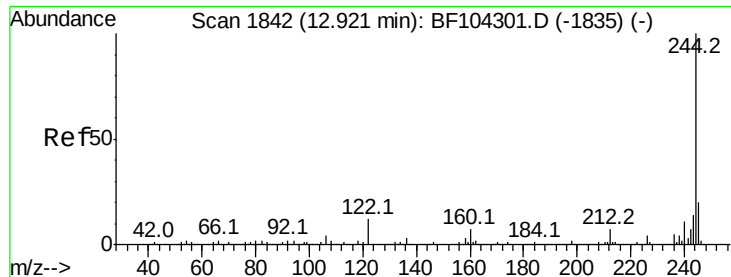
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Tgt Ion:240 Resp: 261769
 Ion Ratio Lower Upper
 240 100
 120 12.9 9.5 14.3
 236 25.2 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

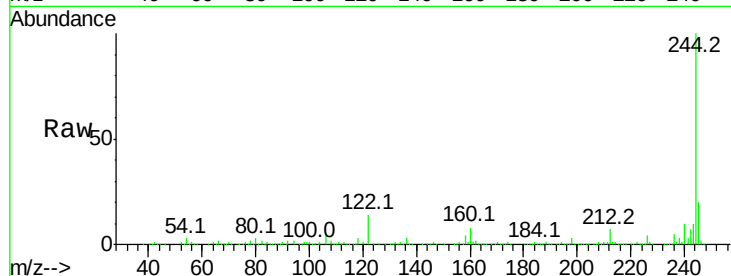




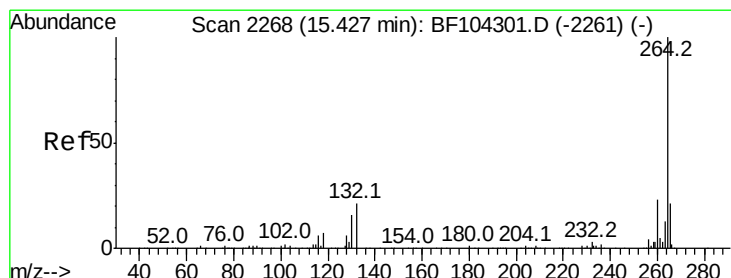
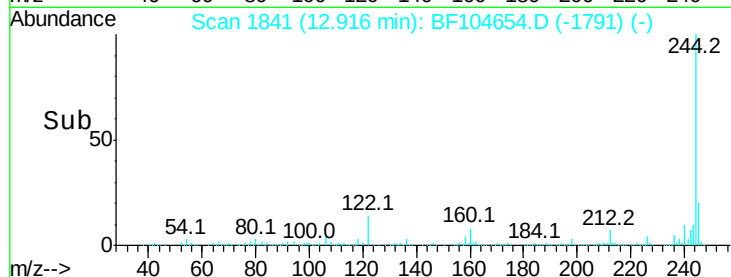
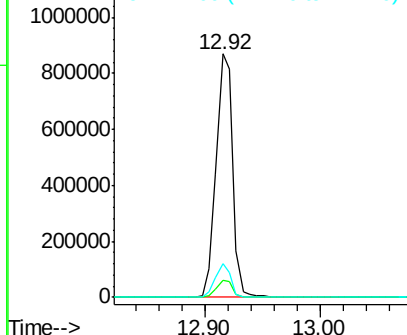
#78
 Terphenyl-d14
 Concen: 75.336 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 865003
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.7 11.0 16.4

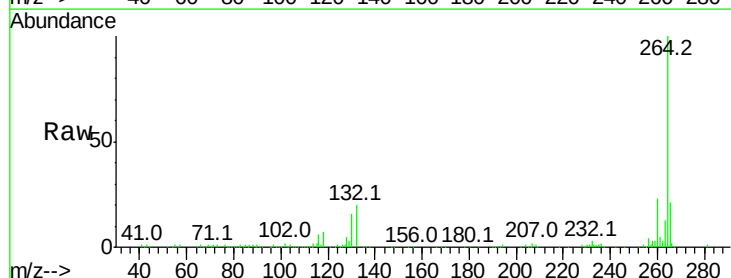


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF104654.D
 Acq: 20 Apr 2018 2:54

Tgt Ion:264 Resp: 221240
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 21.2 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

