

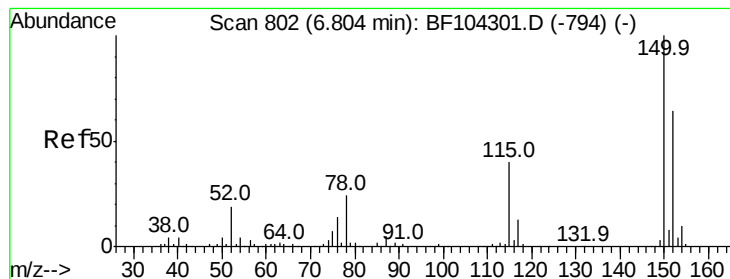
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104607.D
 Acq On : 18 Apr 2018 17:44
 Operator : JU/SJ
 Sample : J2383-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:07:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	122826	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	465263	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	181876	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	263757	20.00	ng	0.00
75) Chrysene-d12	13.97	240	260068	20.00	ng	0.00
86) Perylene-d12	15.44	264	258583	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	486404	60.55	ng	0.00
7) Phenol-d6	6.43	99	363664	36.85	ng	0.00
23) Nitrobenzene-d5	7.37	82	742794	104.25	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	227244	120.45	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1135071	98.59	ng	0.00
78) Terphenyl-d14	12.92	244	939199	82.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	96767	15.004	ng	# 73
25) Isophorone	7.37	82	742782	49.298	ng	# 64
49) Dimethylphthalate	9.56	163	36748	2.562	ng	# 99
56) 2,4-Dinitrotoluene	9.84	165	23400	6.722	ng	# 23
59) Diethylphthalate	10.26	149	159692	11.180	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.63	198	306	7.549	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13097	4.668	ng	# 1
76) Benzidine	12.92	184	11948	Below Cal		# 96

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

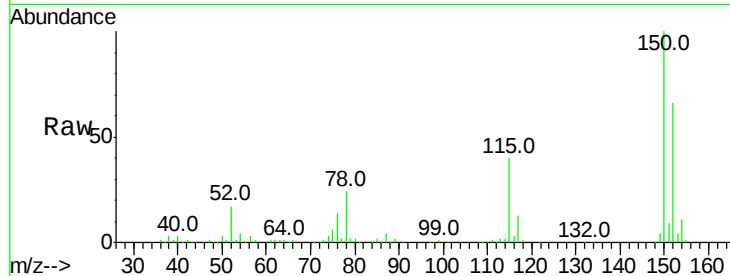


#1

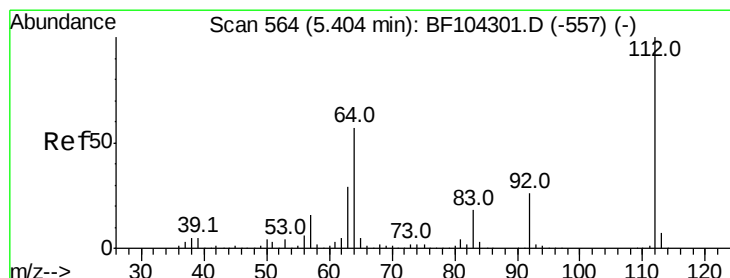
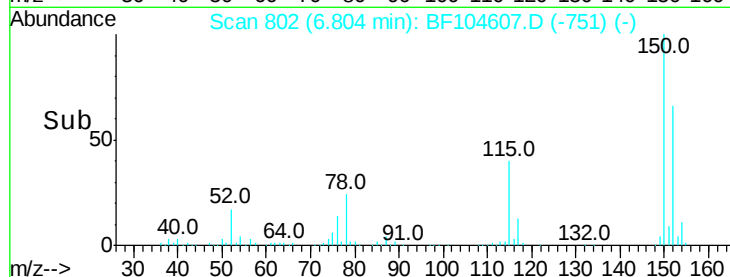
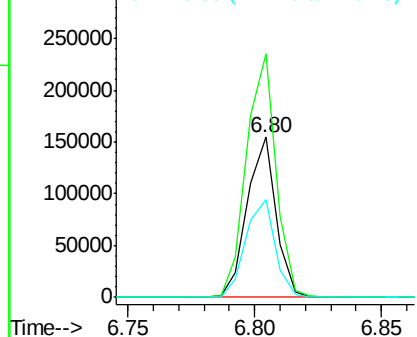
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122826
Ion Ratio Lower Upper
152 100
150 152.4 124.6 186.8
115 61.4 50.1 75.1



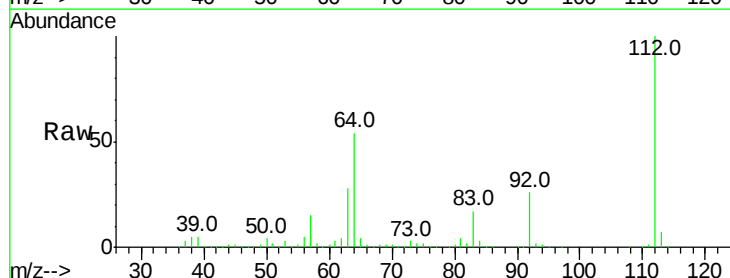
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



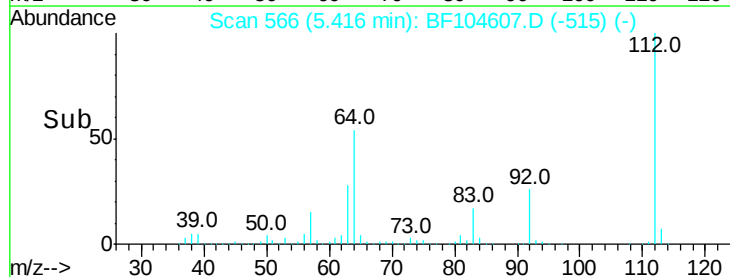
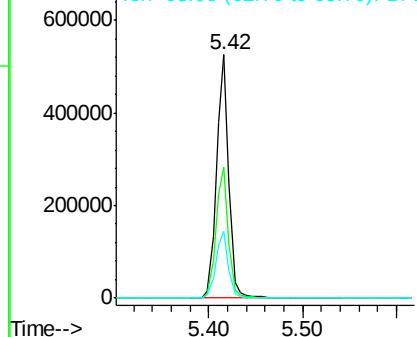
#5

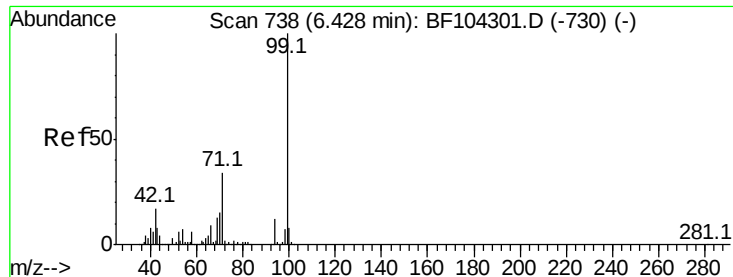
2-Fluorophenol
Concen: 60.552 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Tgt Ion:112 Resp: 486404
Ion Ratio Lower Upper
112 100
64 53.8 47.9 71.9
63 27.5 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: 36.847 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104607.D

Acq: 18 Apr 2018 17:44

Instrument :

BNA_F

ClientSampleId :

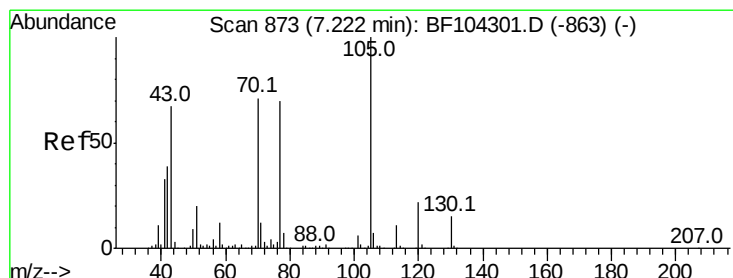
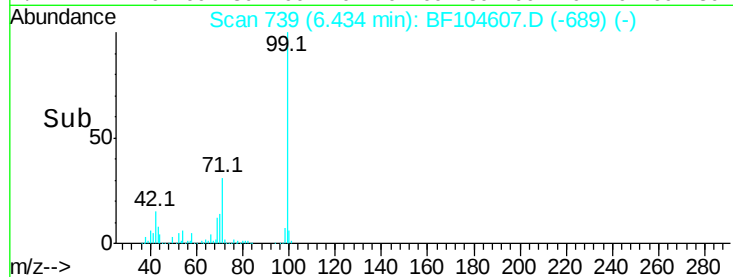
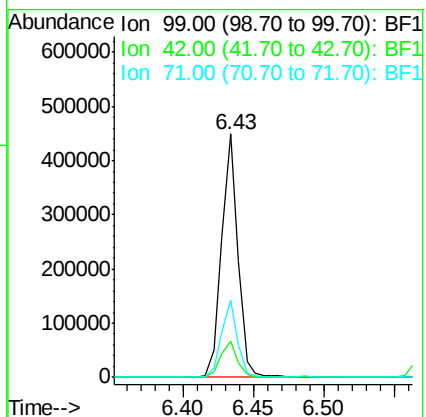
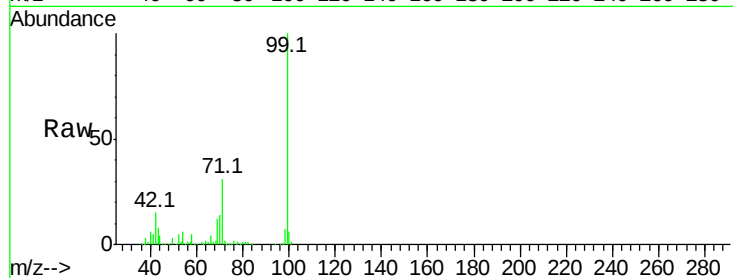
Tot Ion: 99 Resp: 363664

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 31.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.004 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104607.D

Acq: 18 Apr 2018 17:44

Tgt Ion: 70 Resp: 96767

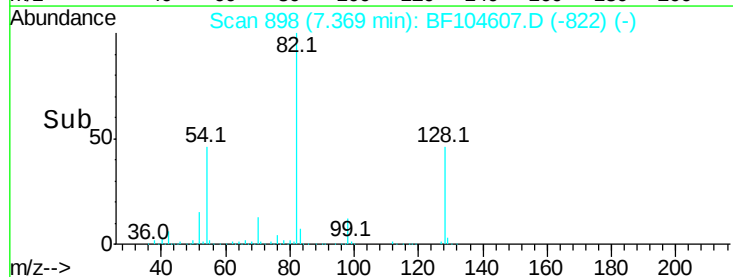
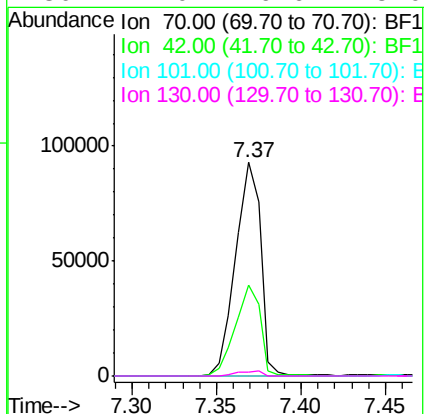
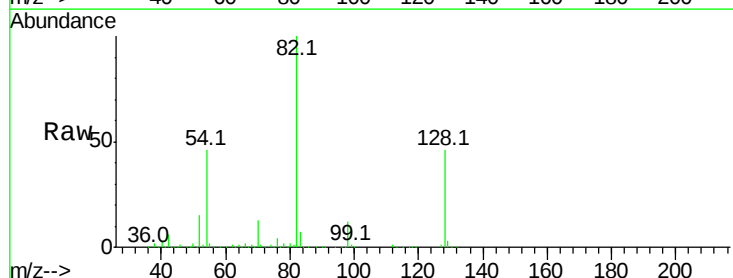
Ion Ratio Lower Upper

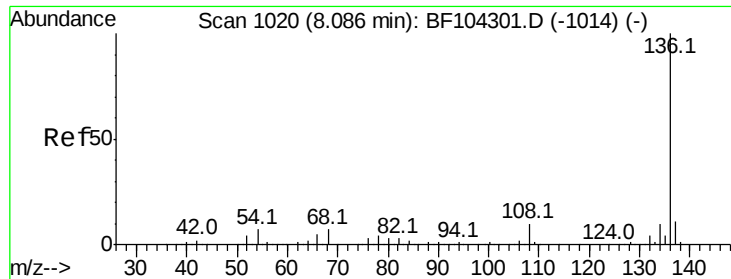
70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

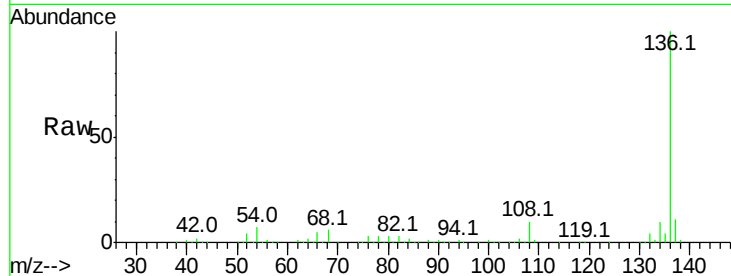




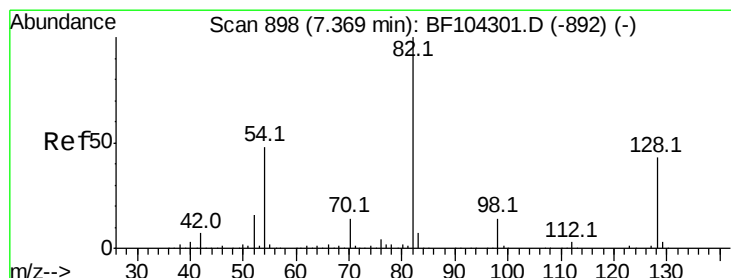
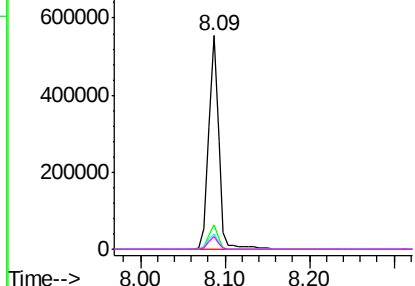
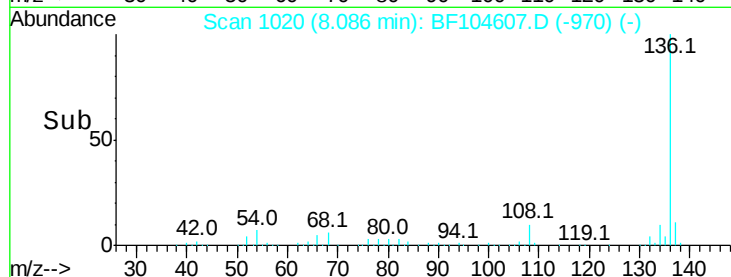
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	465263
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.2	6.6	9.8
68	6.1	5.0	7.4

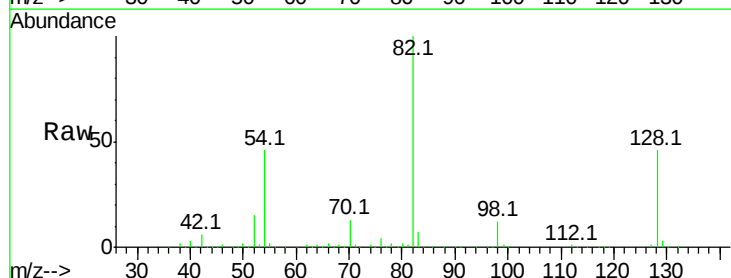


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

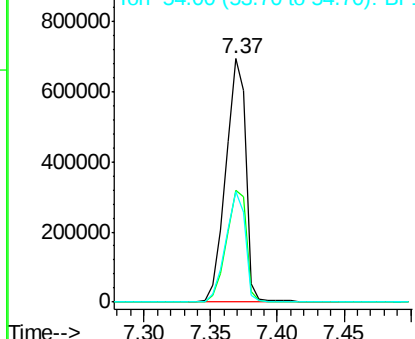
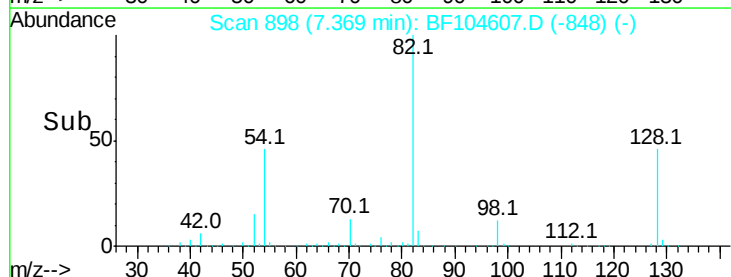


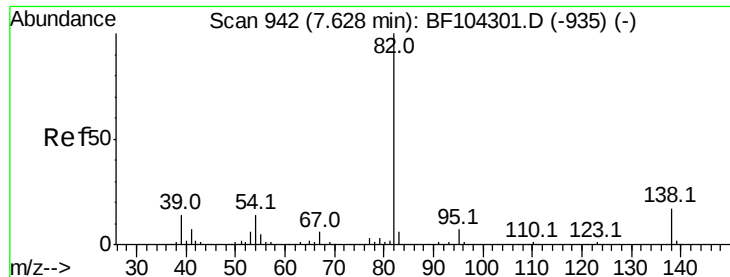
#23
Nitrobenzene-d5
Concen: 104.249 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Tgt Ion:	82	Resp:	742794
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	45.6	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: 49.298 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104607.D

Acq: 18 Apr 2018 17:44

Instrument :

BNA_F

ClientSampled :

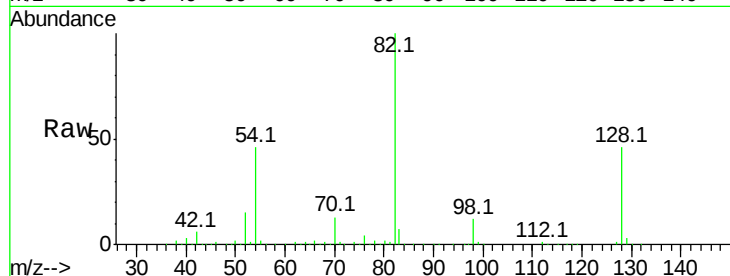
Tot Ion: 82 Resp: 742782

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

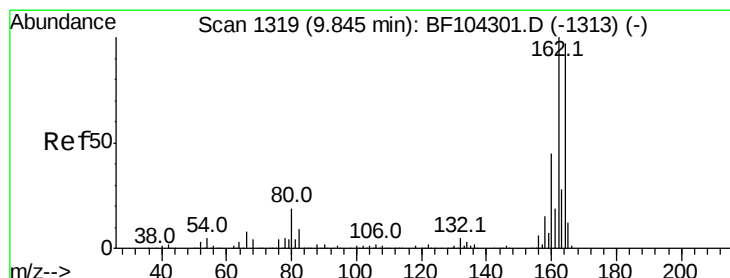
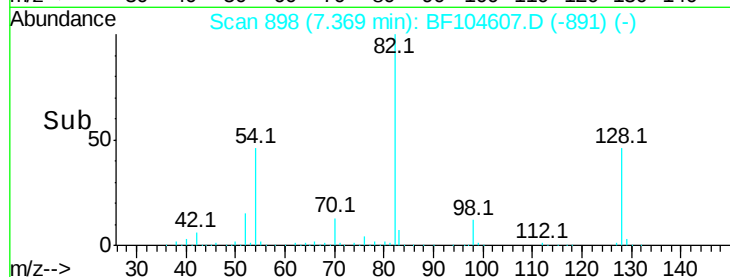
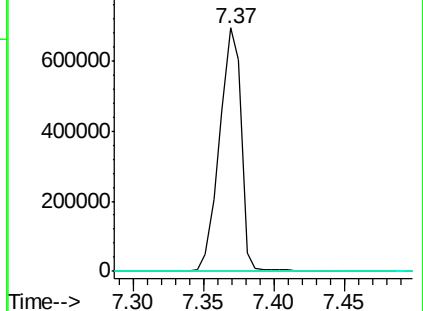
138 0.0 14.9 22.3#



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: BF104607.D

Acq: 18 Apr 2018 17:44

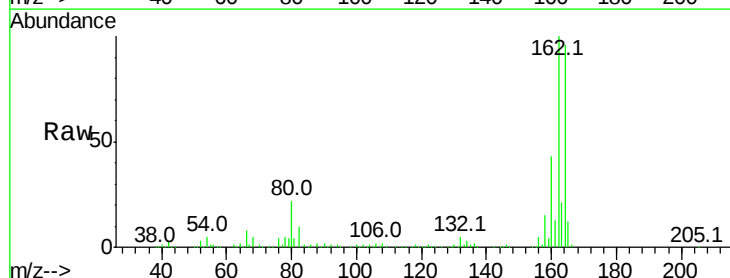
Tgt Ion:164 Resp: 181876

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

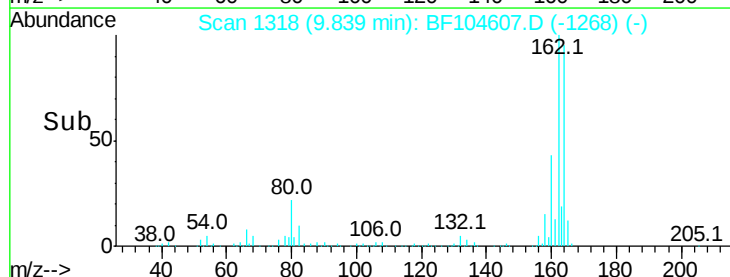
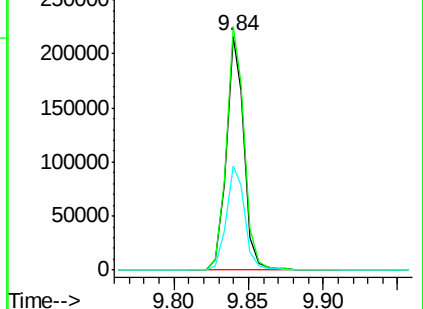
160 44.8 38.3 57.5

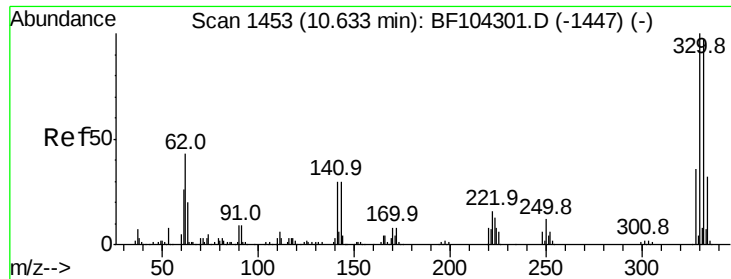


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

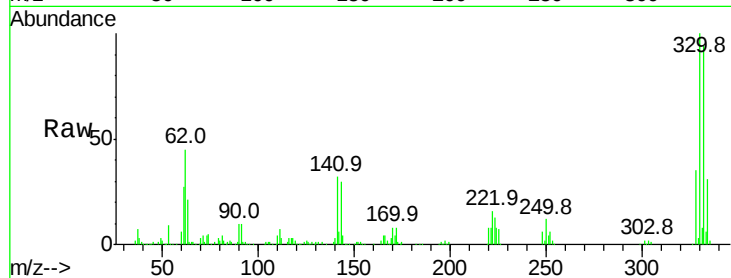




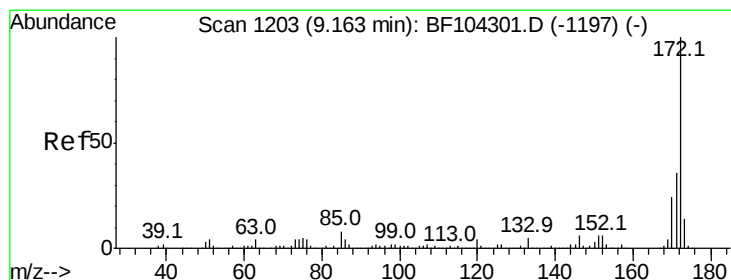
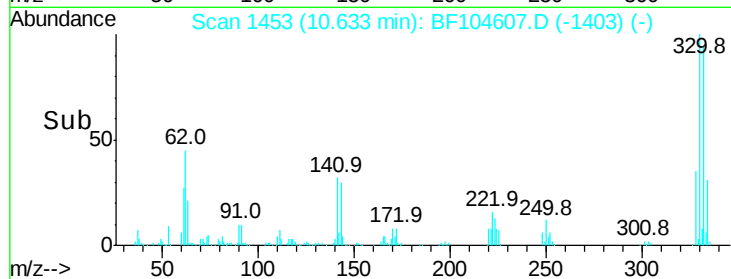
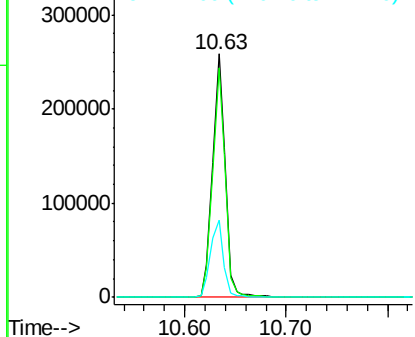
#41
 2,4,6-Tribromophenol
 Concen: 120.448 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104607.D
 Acq: 18 Apr 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	33.2	29.9	44.9

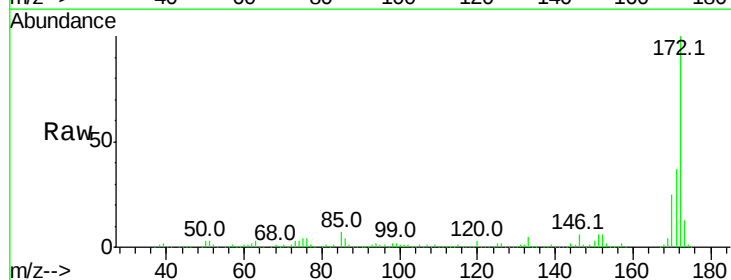


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

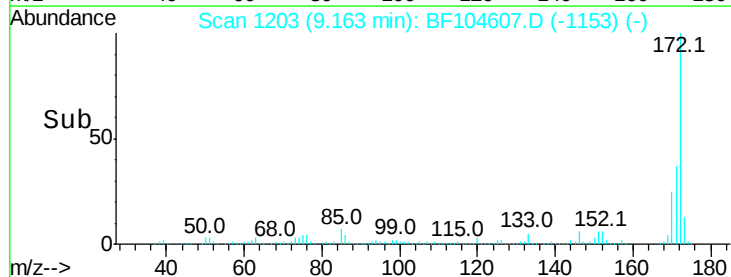
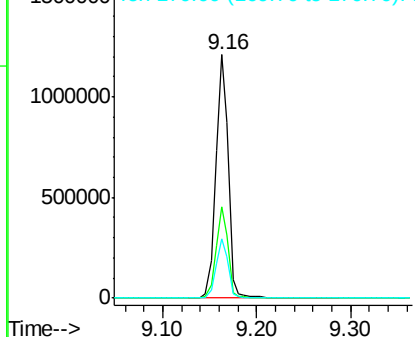


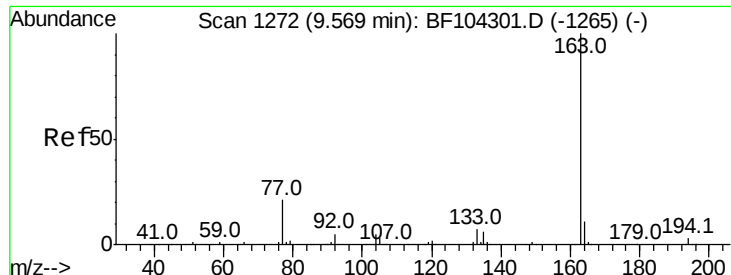
#44
 2-Fluorobiphenyl
 Concen: 98.591 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104607.D
 Acq: 18 Apr 2018 17:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.6	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

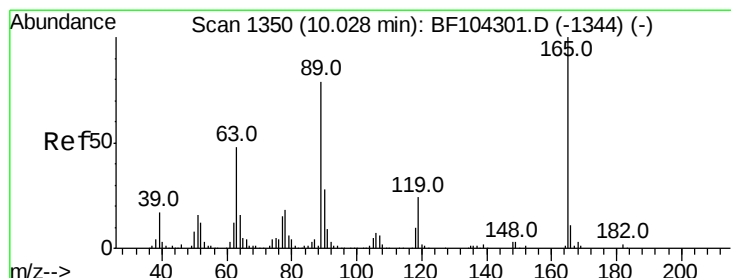
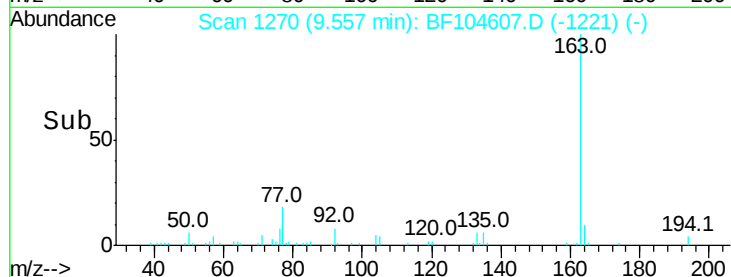
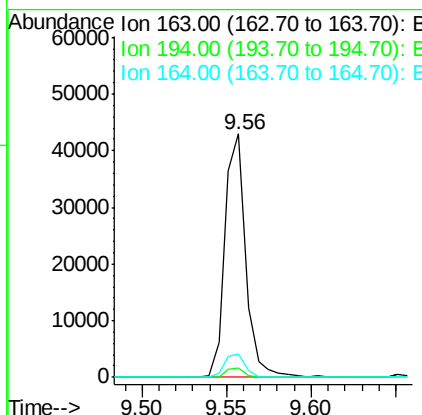
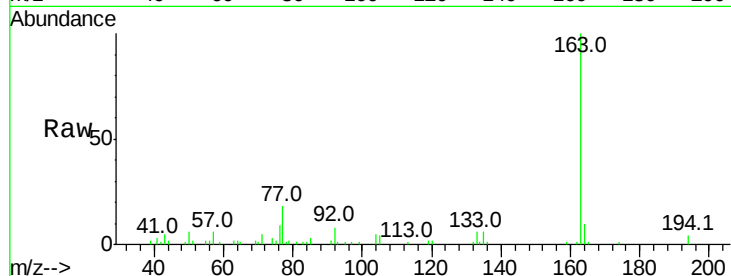




#49
Dimethylphthalate
Concen: 2.562 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

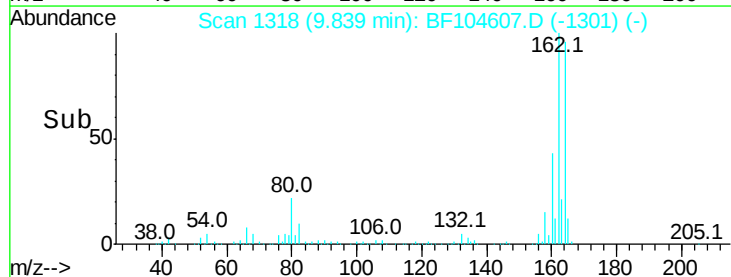
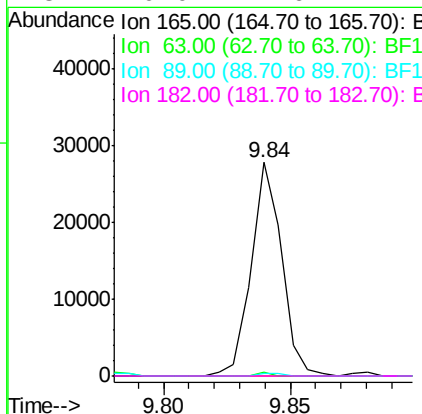
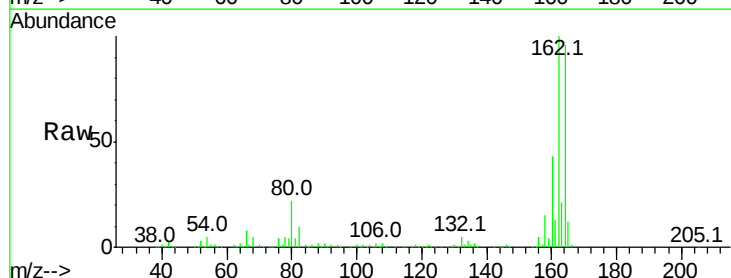
Instrument :
BNA_F
ClientSampleId :

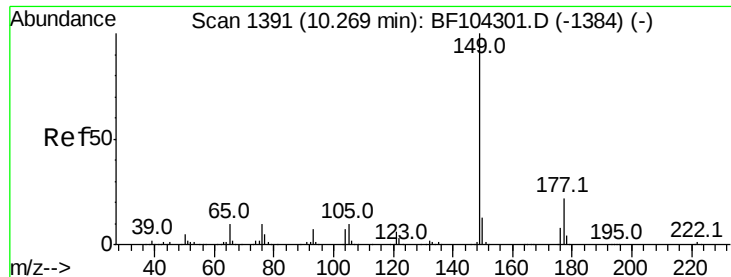
Tot Ion:163 Resp: 36748
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.722 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Tgt Ion:165 Resp: 23400
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#

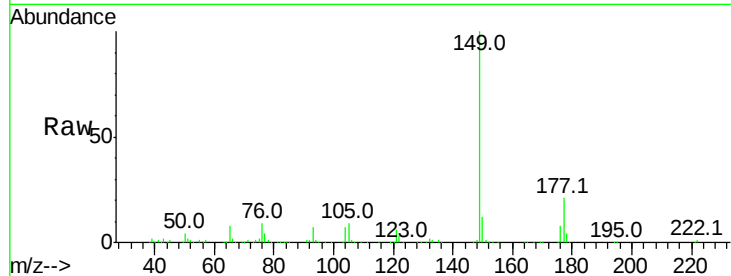




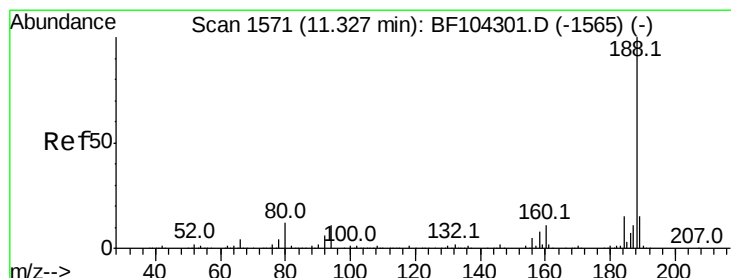
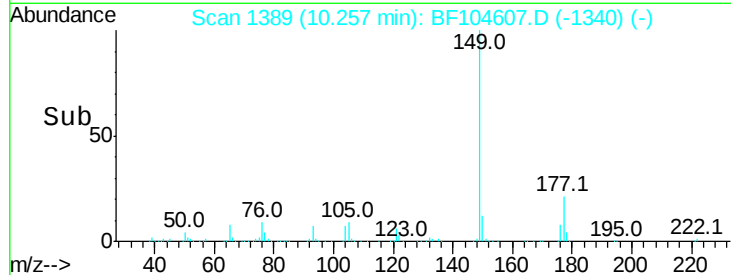
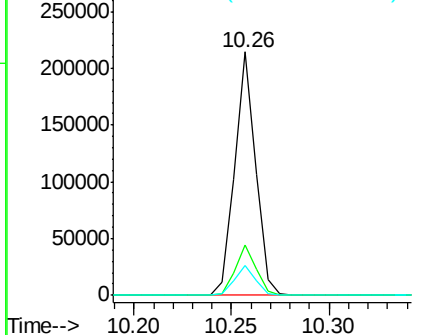
#59
Diethylphthalate
Concen: 11.180 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 159692
Ion Ratio Lower Upper
149 100
177 20.9 16.1 24.1
150 12.2 10.1 15.1

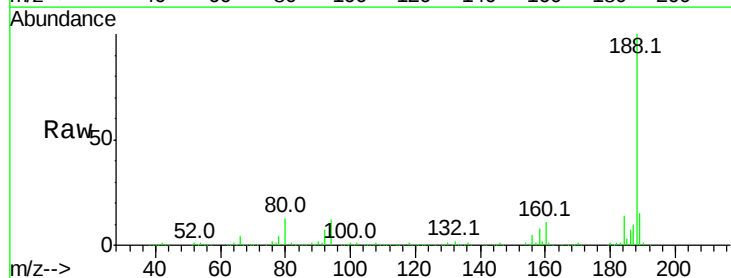


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

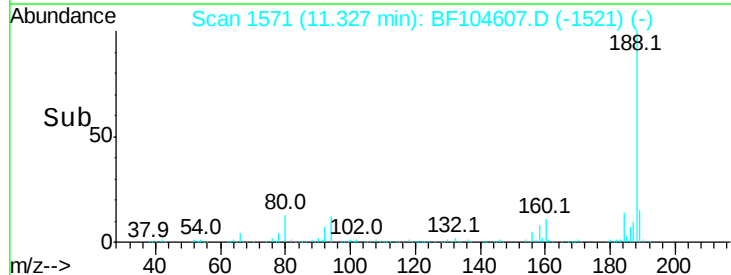
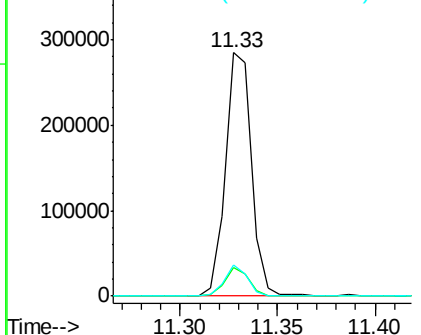


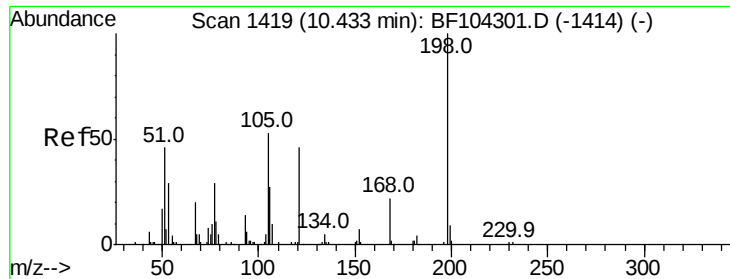
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Tgt Ion:188 Resp: 263757
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 13.0 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

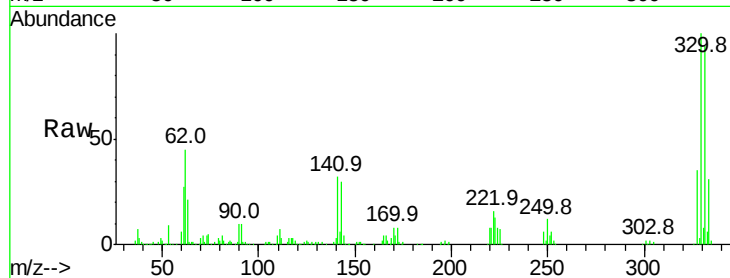




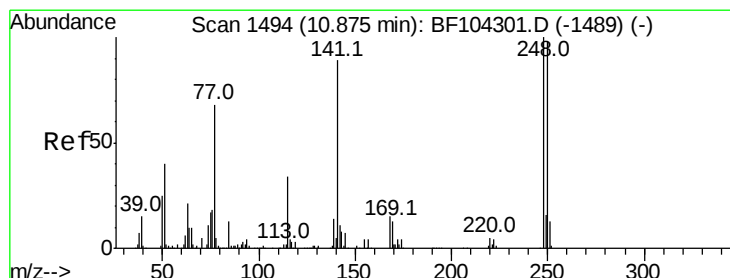
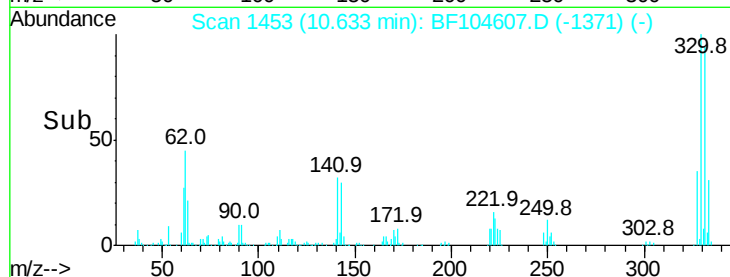
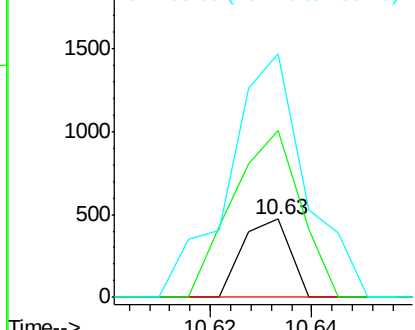
#64
4,6-Dinitro-2-methylphenol
Concen: 7.549 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 306
Ion Ratio Lower Upper
198 100
51 213.6 37.7 77.7#
105 311.2 36.3 76.3#

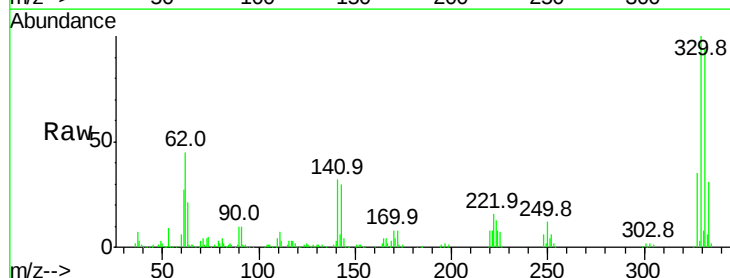


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

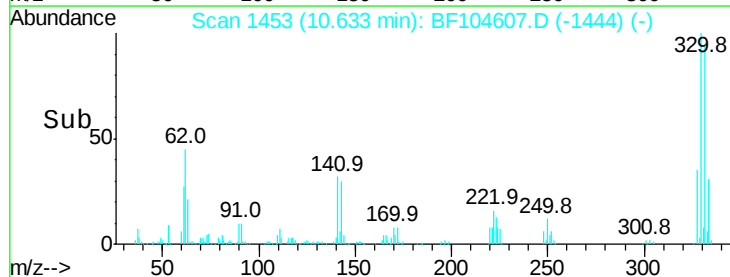
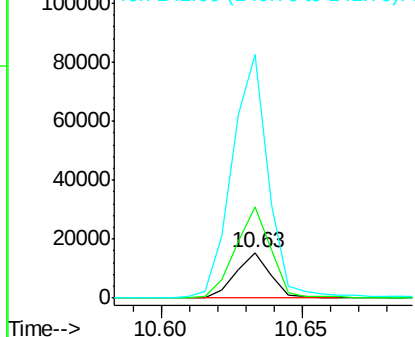


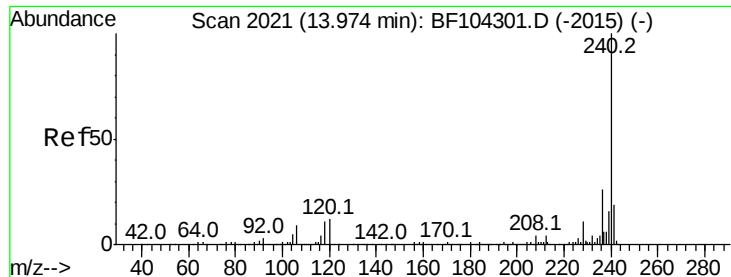
#66
4-Bromophenyl-phenylether
Concen: 4.668 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104607.D
Acq: 18 Apr 2018 17:44

Tgt Ion:248 Resp: 13097
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 532.1 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: BF104607.D

Acq: 18 Apr 2018 17:44

Instrument :

BNA_F

ClientSampleId :

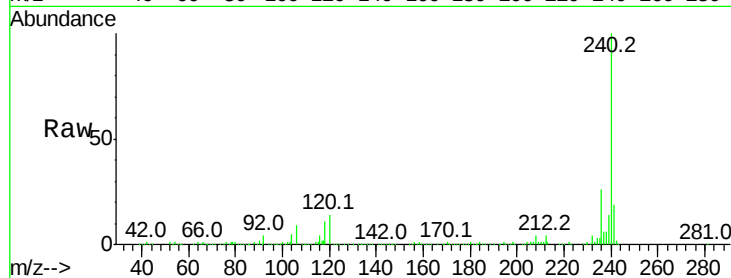
Tot Ion:240 Resp: 260068

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

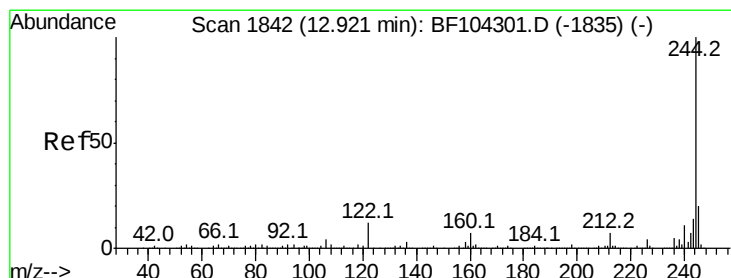
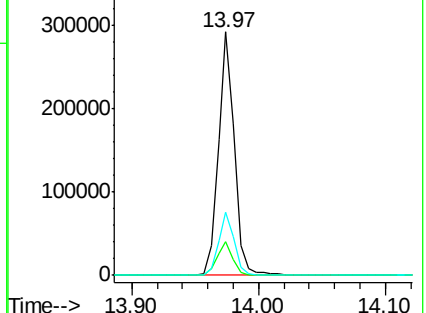
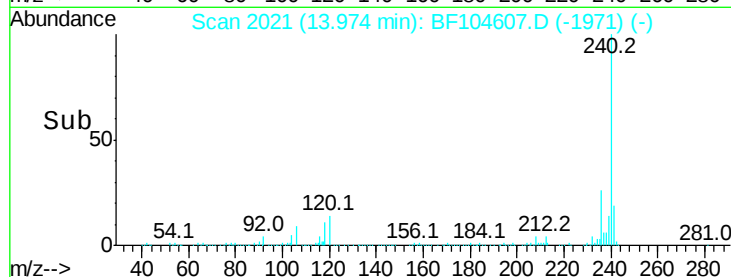
236 25.8 20.7 31.1



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: 82.333 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104607.D

Acq: 18 Apr 2018 17:44

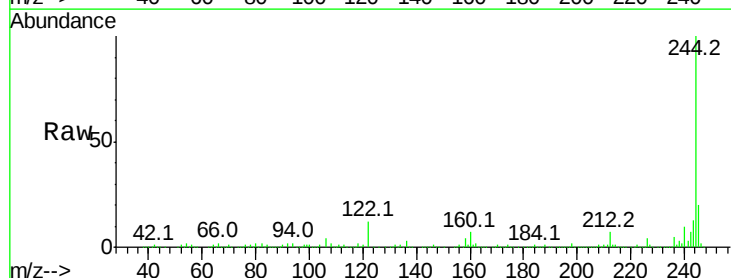
Tgt Ion:244 Resp: 939199

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

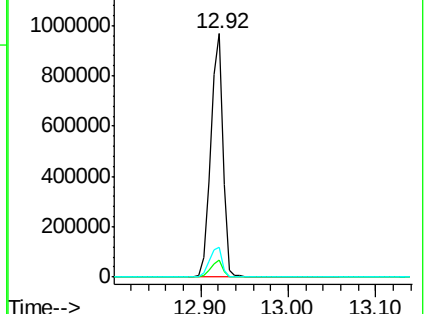
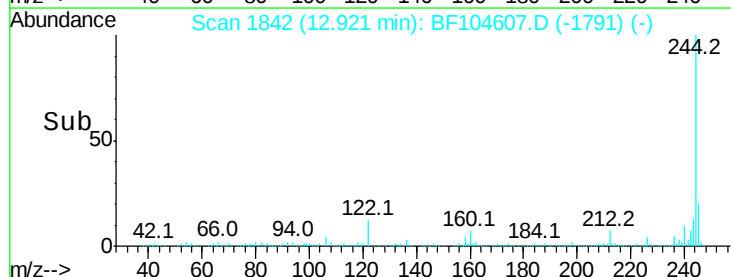
122 12.4 11.0 16.4

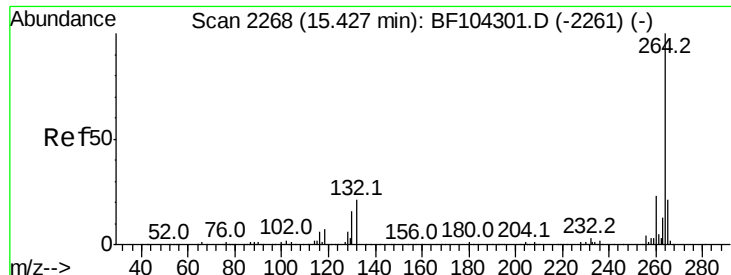


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

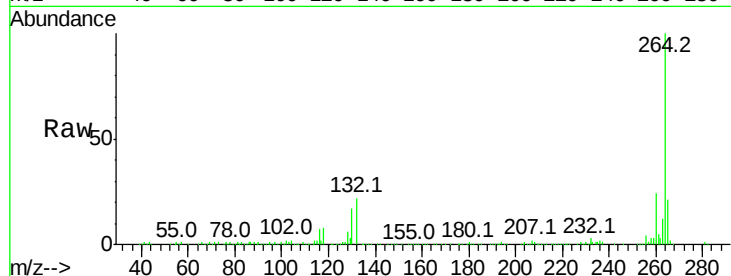




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF104607.D
 Acq: 18 Apr 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	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

