

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104610.D
 Acq On : 18 Apr 2018 19:04
 Operator : JU/SJ
 Sample : PB108327BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:15:22 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

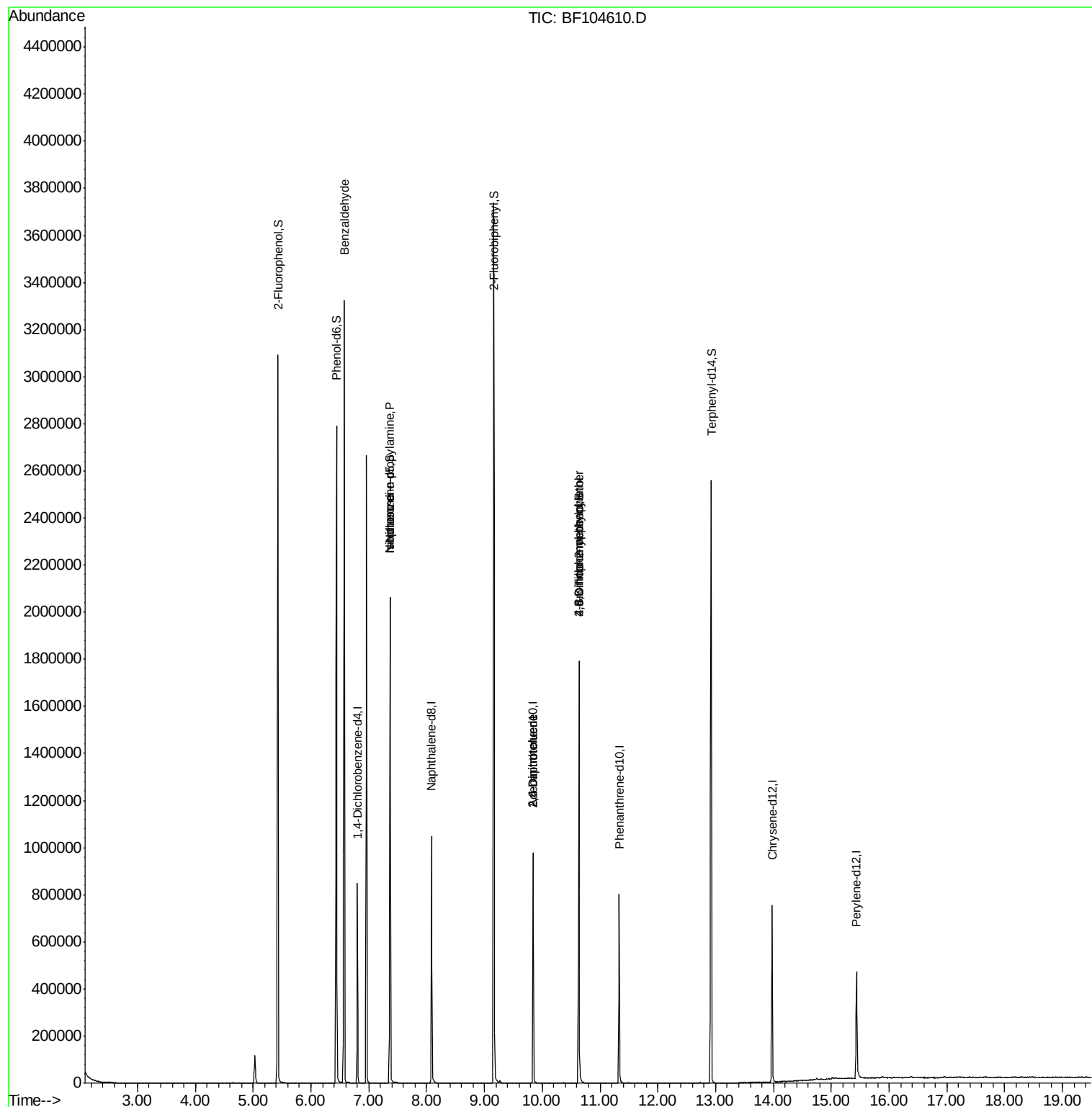
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118617	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	466405	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	191944	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	293780	20.00	ng	0.00
75) Chrysene-d12	13.97	240	248235	20.00	ng	0.00
86) Perylene-d12	15.44	264	238711	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	968830	124.89	ng	0.01
7) Phenol-d6	6.45	99	1159064	121.60	ng	0.00
23) Nitrobenzene-d5	7.37	82	737909	103.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	230958	116.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1213721	99.89	ng	0.00
78) Terphenyl-d14	12.92	244	925560	85.00	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	21120	2.097	ng	80
19) n-Nitroso-di-n-propylamine	7.37	70	95981	15.410	ng	# 72
25) Isophorone	7.37	82	737905	48.854	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	24263	8.663	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	24263	6.604	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	316	7.534	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13798	4.416	ng	# 1
76) Benzydine	12.92	184	11878	Below Cal		96

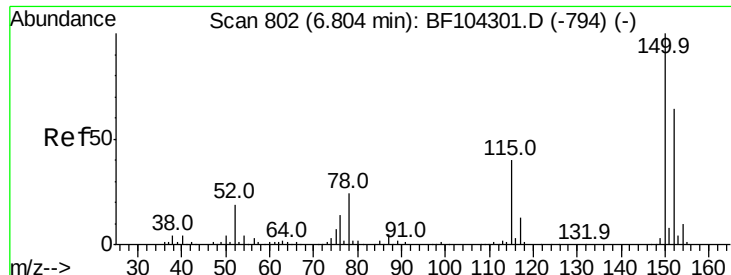
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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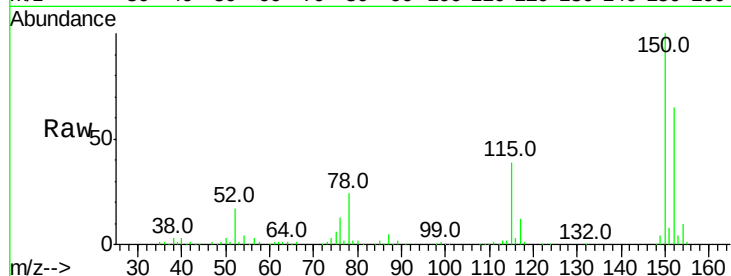


#1

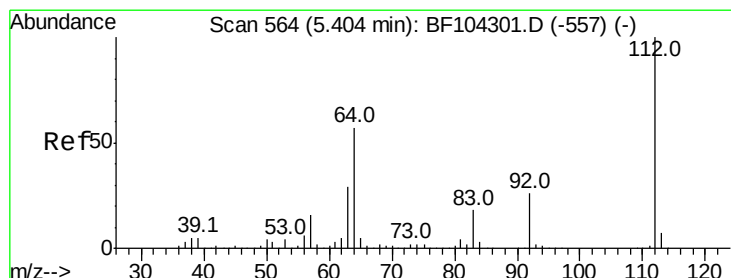
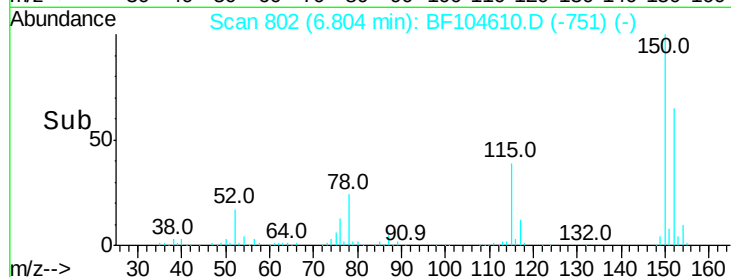
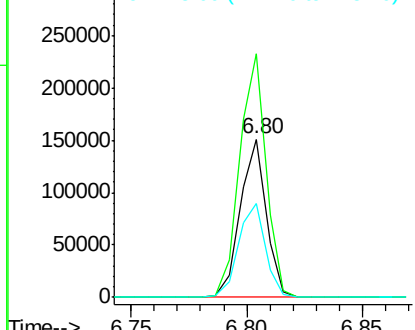
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104610.D
Acq: 18 Apr 2018 19:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118617
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 59.5 50.1 75.1



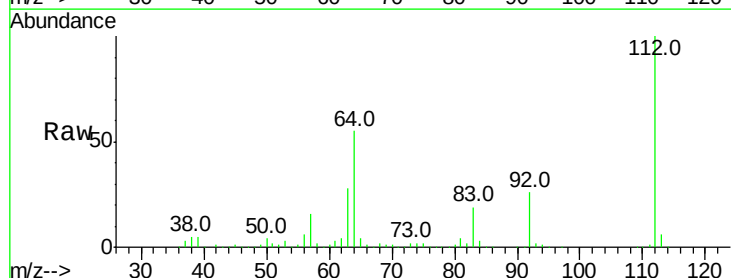
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



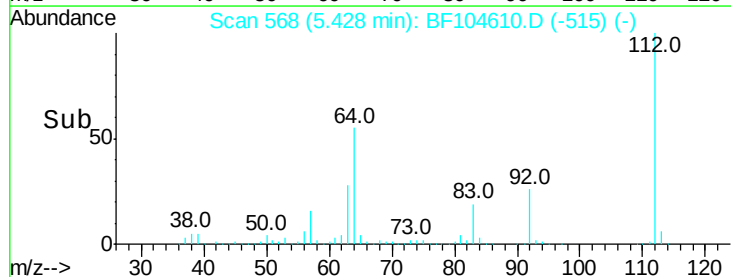
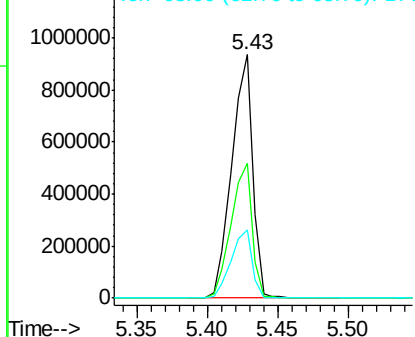
#5

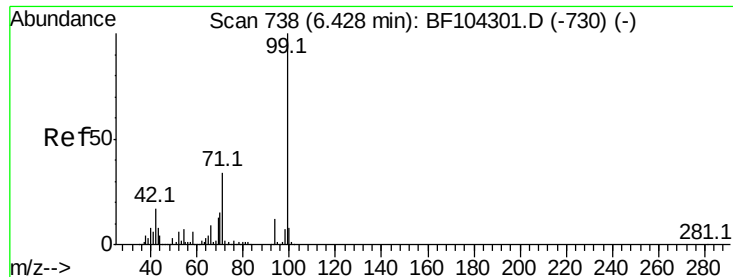
2-Fluorophenol
Concen: 124.889 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104610.D
Acq: 18 Apr 2018 19:04

Tgt Ion:112 Resp: 968830
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 28.2 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: 121.604 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

Instrument :

BNA_F

ClientSampled :

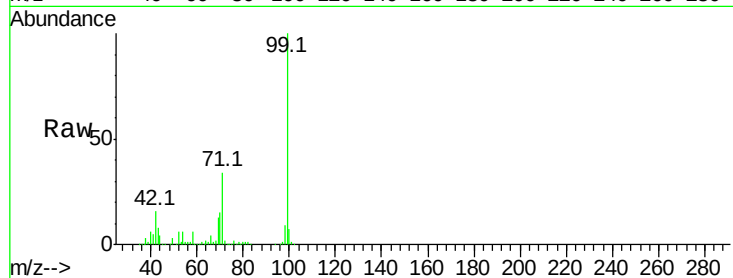
Tot Ion: 99 Resp: 1159064

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

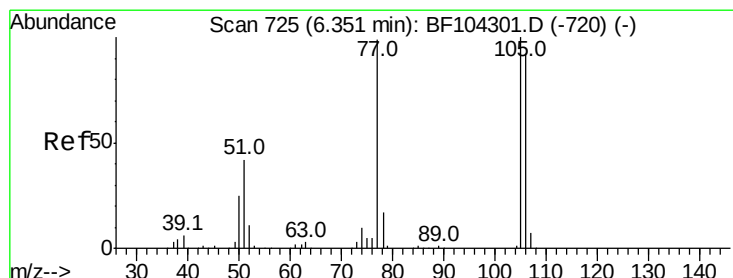
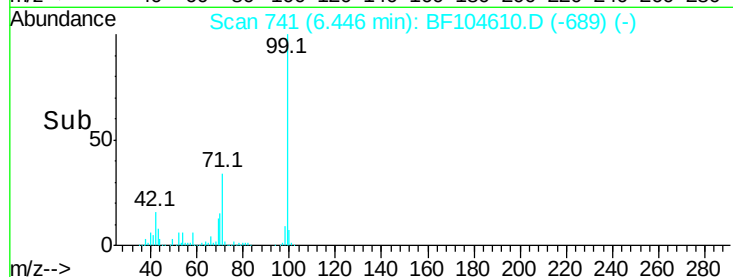
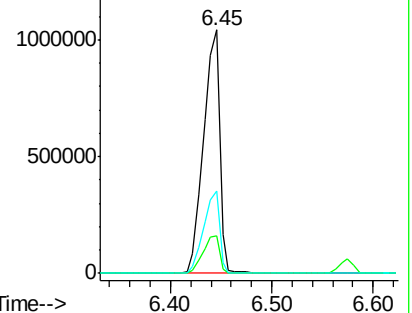
71 33.7 25.4 38.0



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: 2.097 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

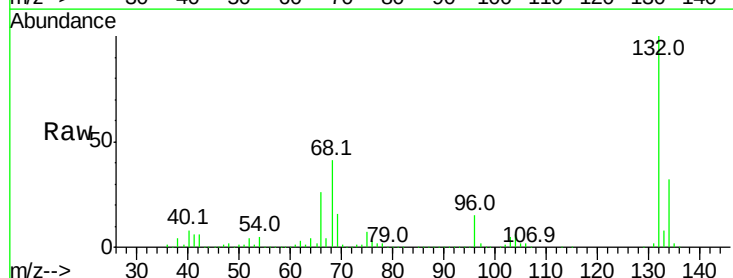
Tgt Ion: 77 Resp: 21120

Ion Ratio Lower Upper

77 100

105 81.4 81.1 121.1

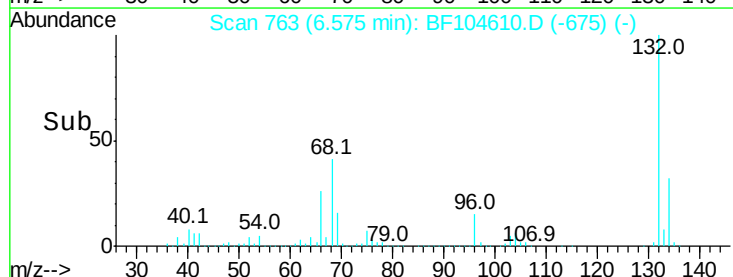
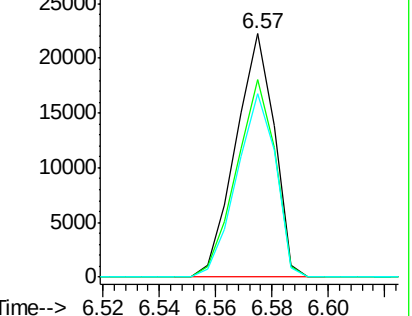
106 75.6 74.5 114.5

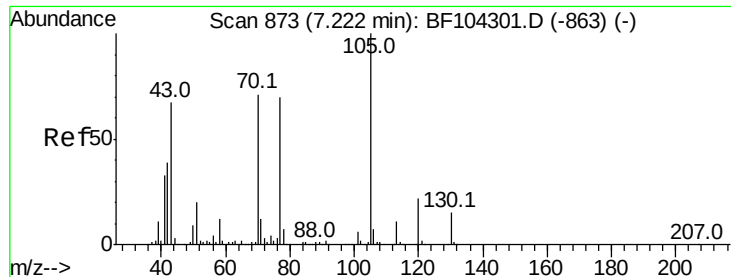


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 15.410 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 95981

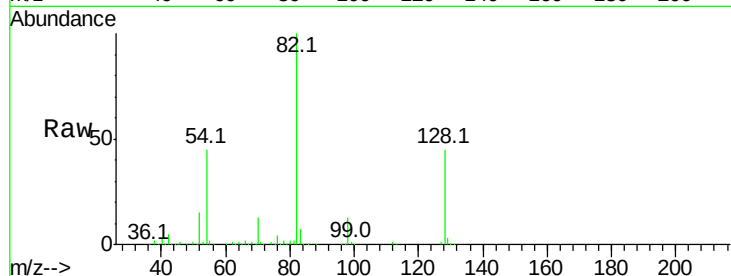
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

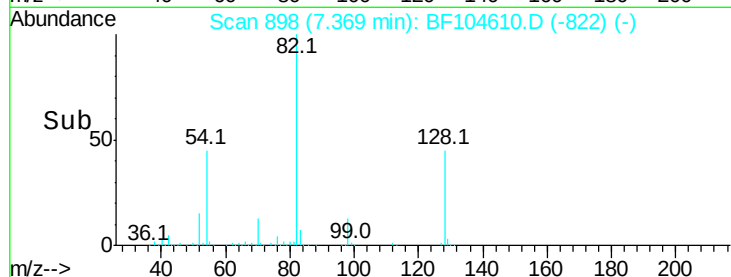


Abundance Ion 70.00 (69.70 to 70.70): BF1

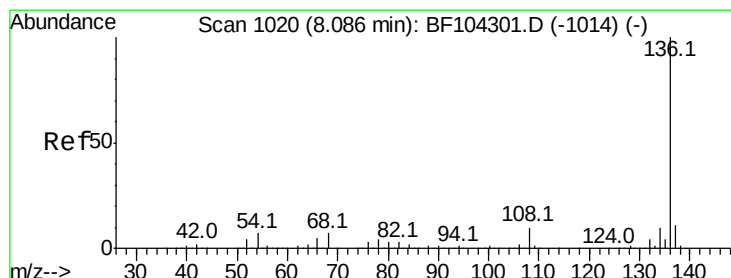
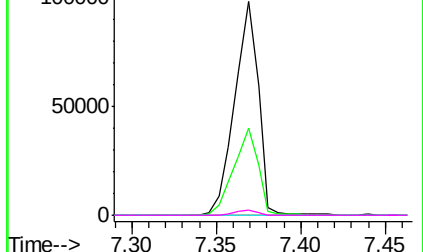
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Scan 898 (7.369 min): BF104610.D (-822) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

Tgt Ion:136 Resp: 466405

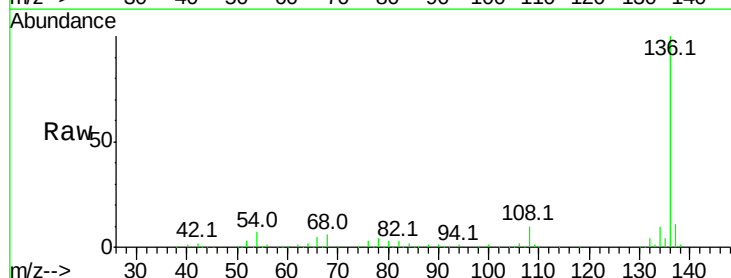
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 6.4 5.0 7.4

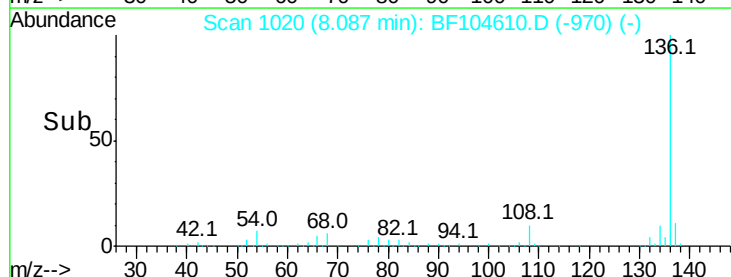


Abundance Ion 136.00 (135.70 to 136.70): BF1

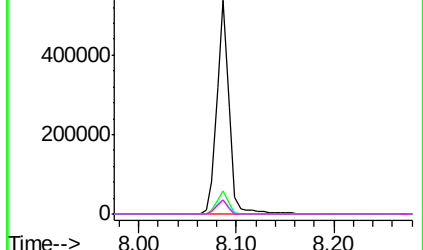
Ion 137.00 (136.70 to 137.70): BF1

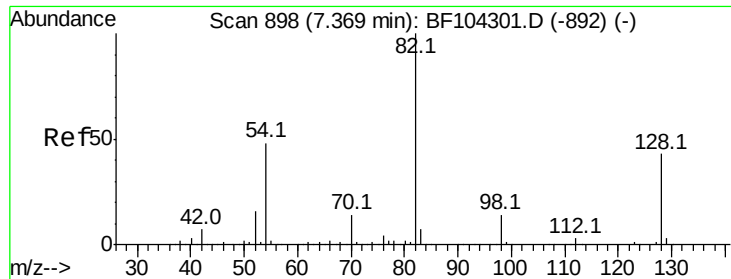
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Scan 1020 (8.087 min): BF104610.D (-970) (-)

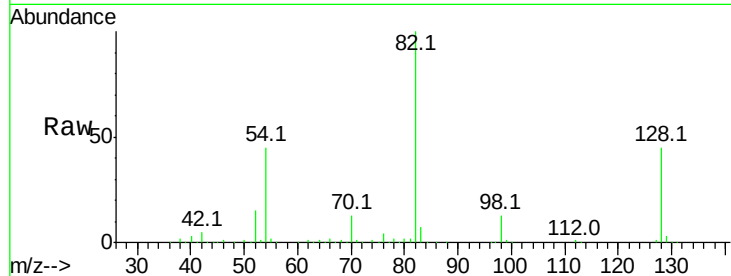




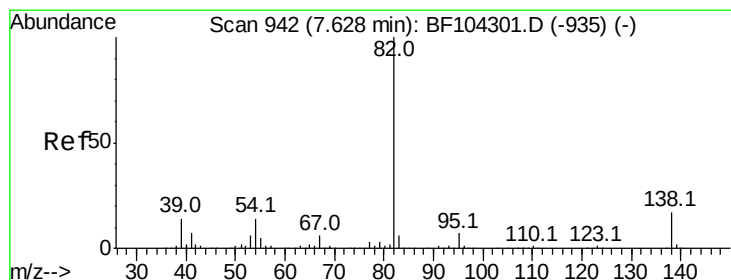
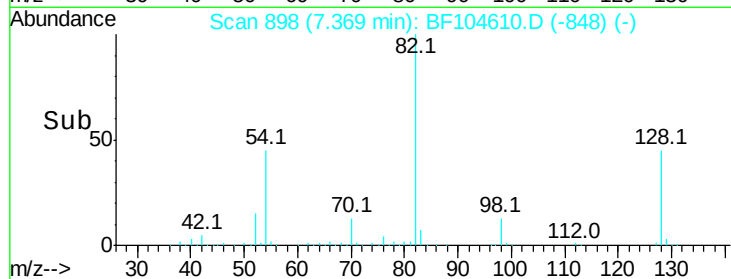
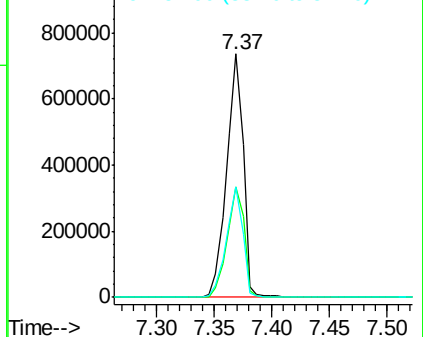
#23
Nitrobenzene-d5
Concen: 103.309 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104610.D
Acq: 18 Apr 2018 19:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	737909
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	45.2	41.4	62.2

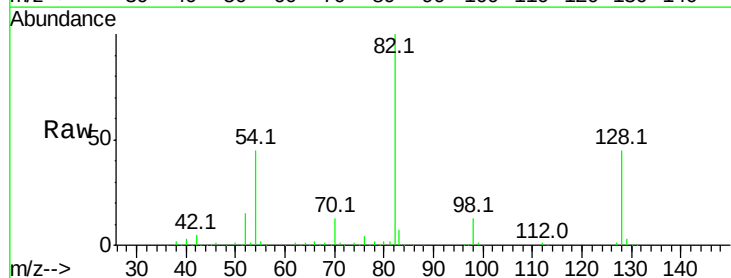


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

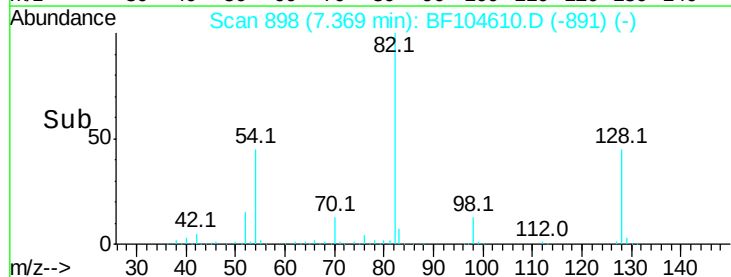
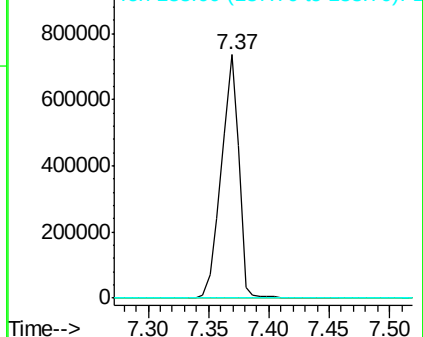


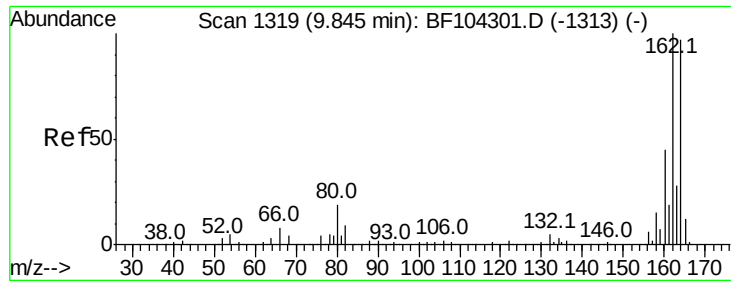
#25
Isophorone
Concen: 48.854 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104610.D
Acq: 18 Apr 2018 19:04

Tgt Ion	82	Resp	737905
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		



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

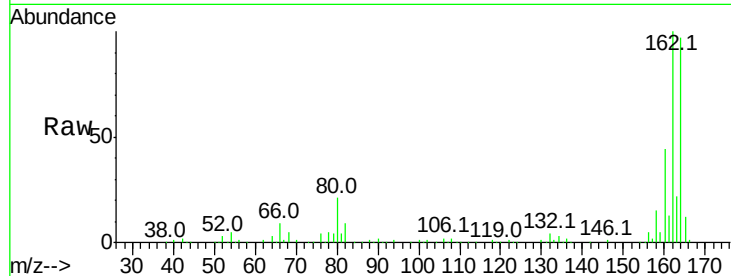




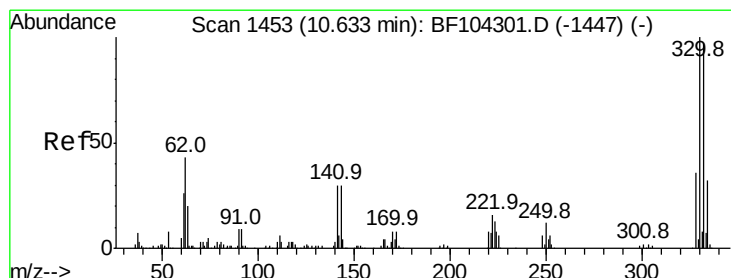
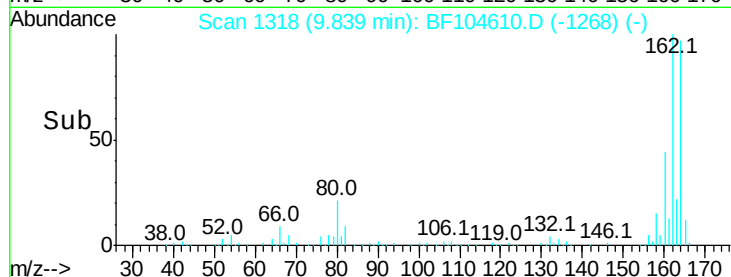
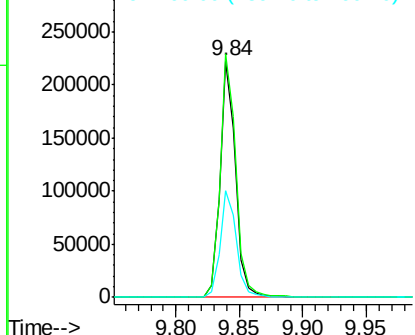
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 191944
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.0 38.3 57.5

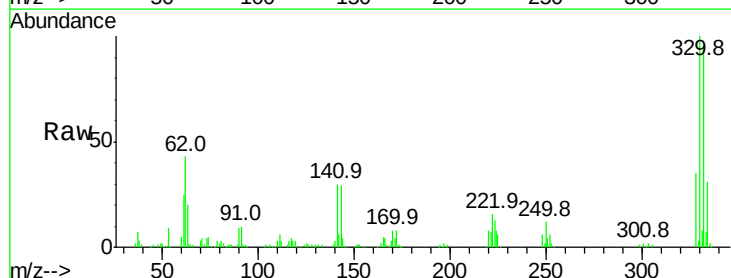


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

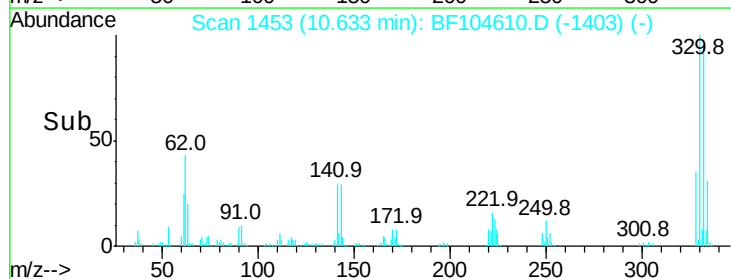
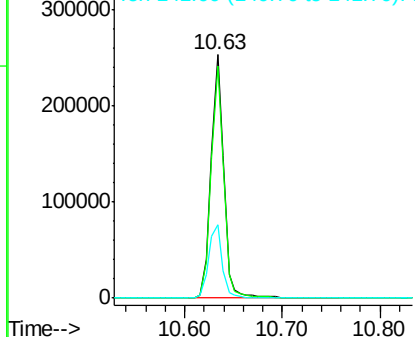


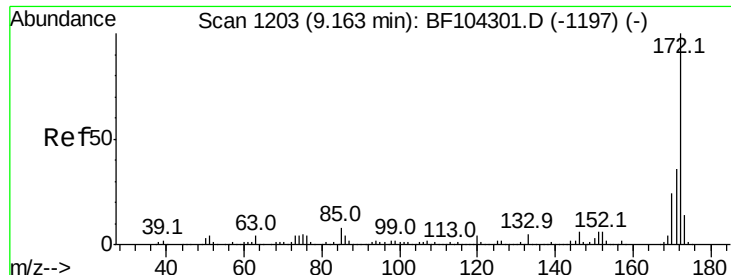
#41
 2,4,6-Tribromophenol
 Concen: 115.996 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Tgt Ion:330 Resp: 230958
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.3 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



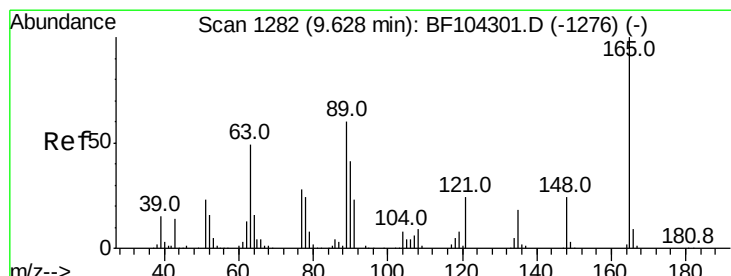
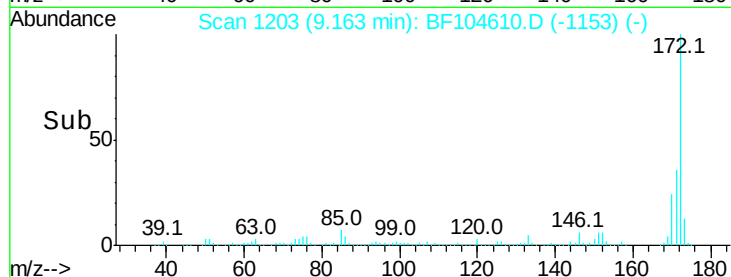
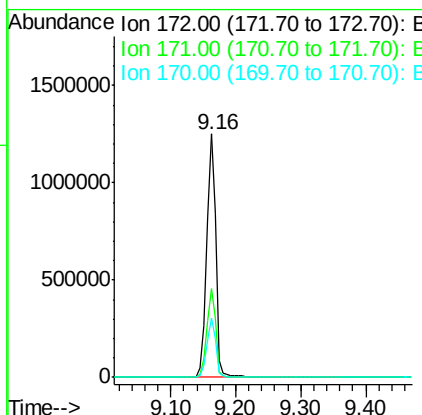
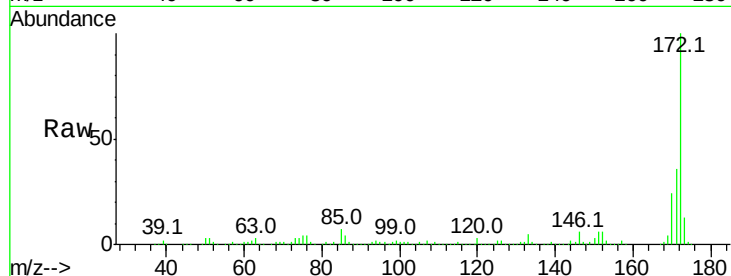


#44
 2-Fluorobiphenyl
 Concen: 99.893 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1213721

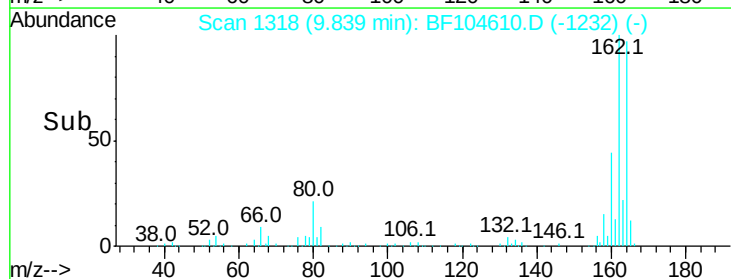
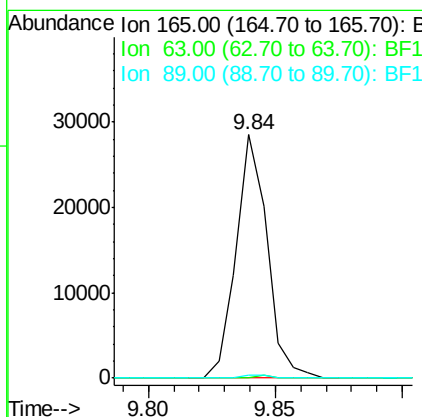
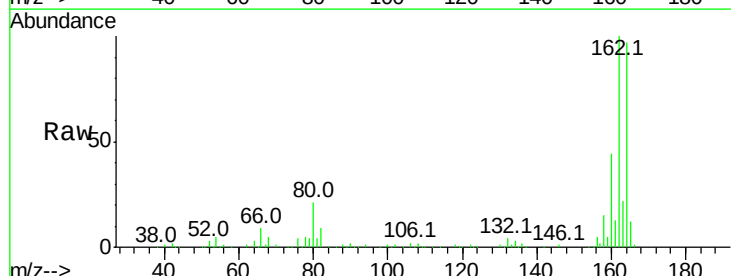
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.6	29.4

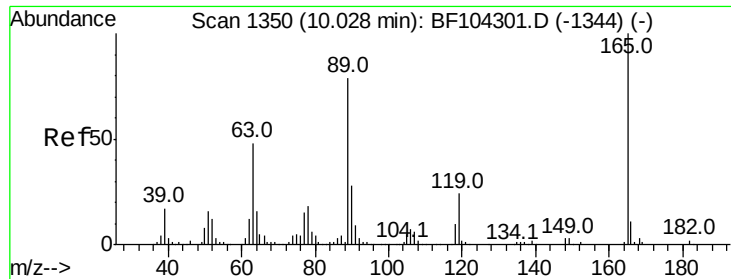


#50
 2,6-Dinitrotoluene
 Concen: 8.663 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Tgt Ion:165 Resp: 24263

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	44.0	66.0#

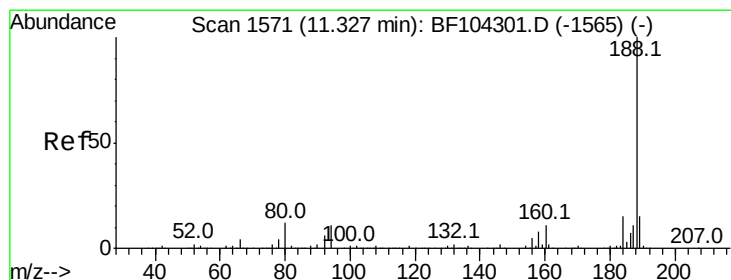
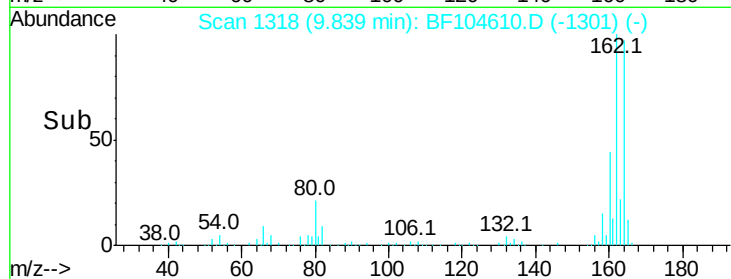
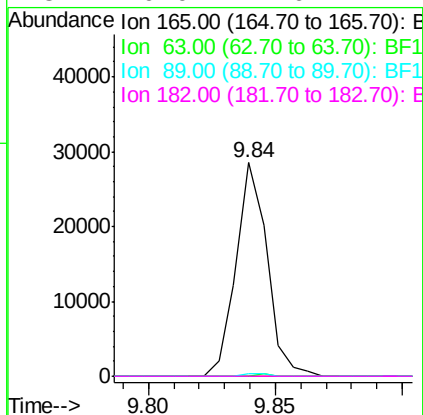
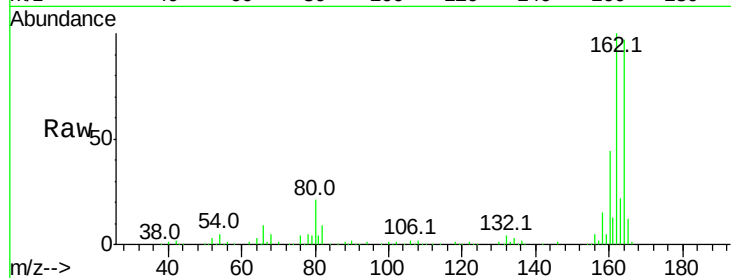




#56
 2,4-Dinitrotoluene
 Concen: 6.604 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

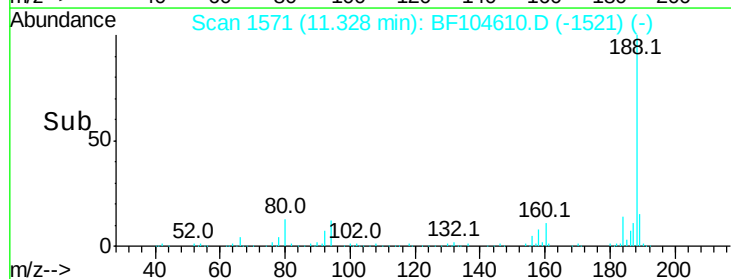
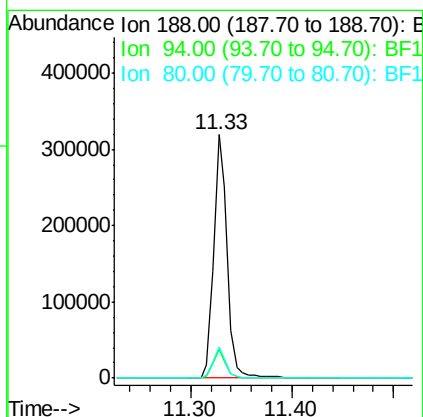
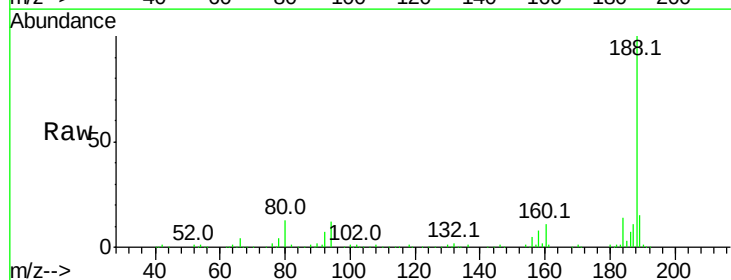
Instrument :
 BNA_F
 ClientSampleId :

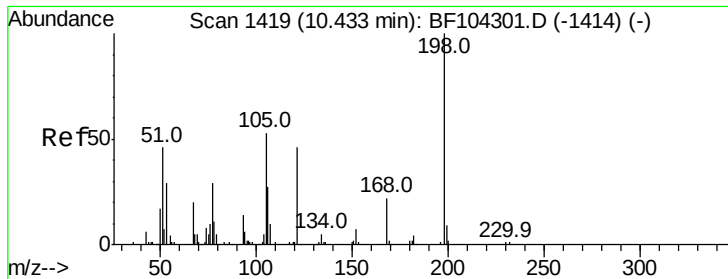
Tot Ion:	165	Resp:	24263
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Tgt Ion:	188	Resp:	293780
Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.9	9.2	13.8

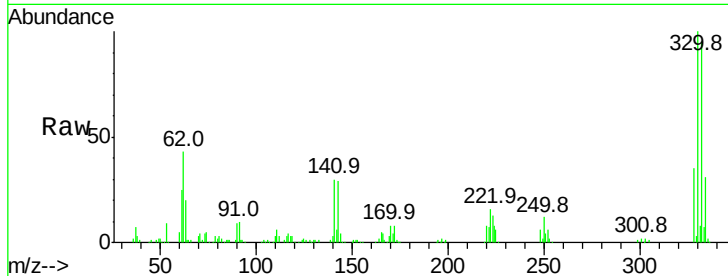




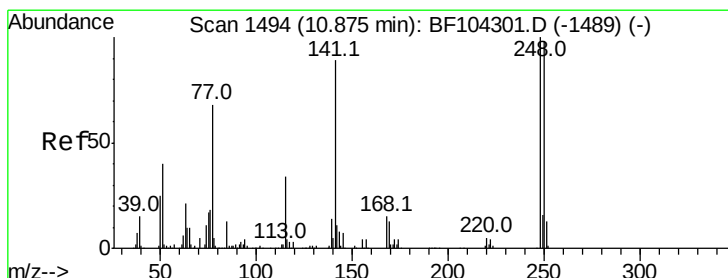
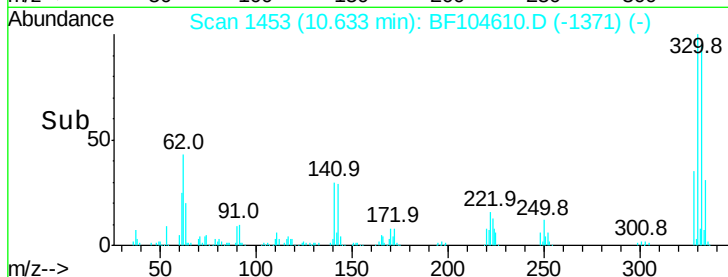
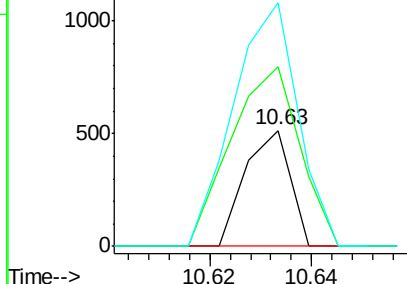
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.534 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	155.1	37.7	77.7#
105	209.7	36.3	76.3#

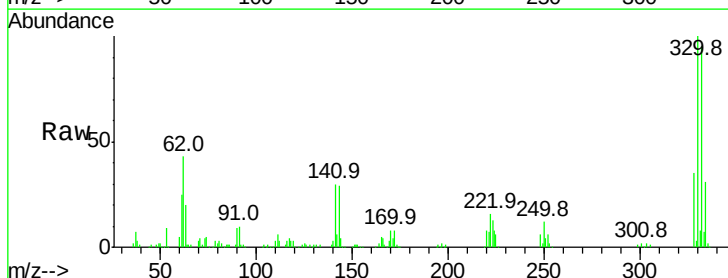


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

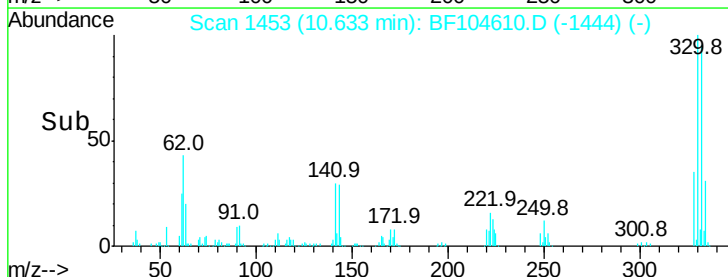
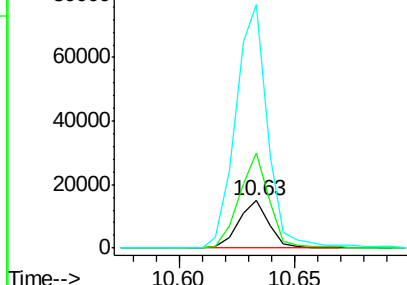


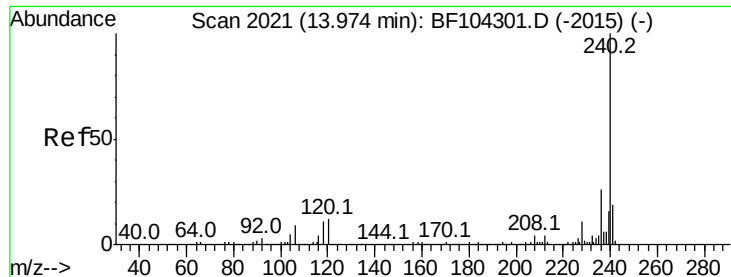
#66
 4-Bromophenyl-phenylether
 Concen: 4.416 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.5	76.9	115.3#
141	510.3	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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

Instrument :

BNA_F

ClientSampleId :

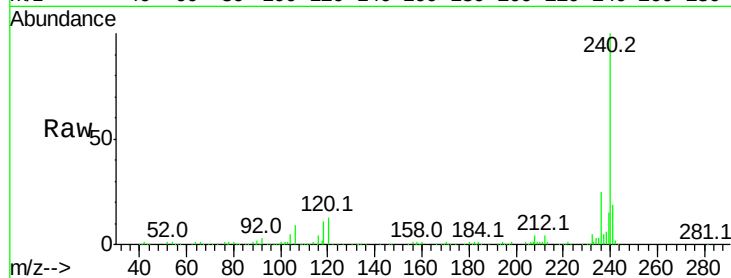
Tot Ion:240 Resp: 248235

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

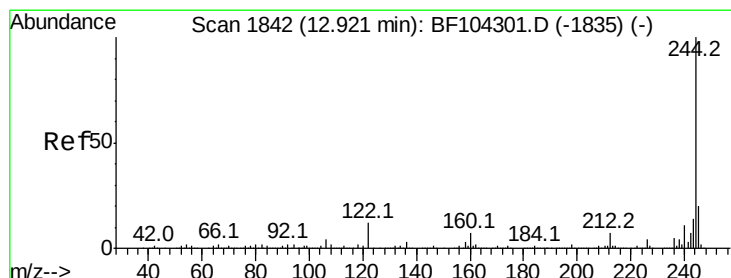
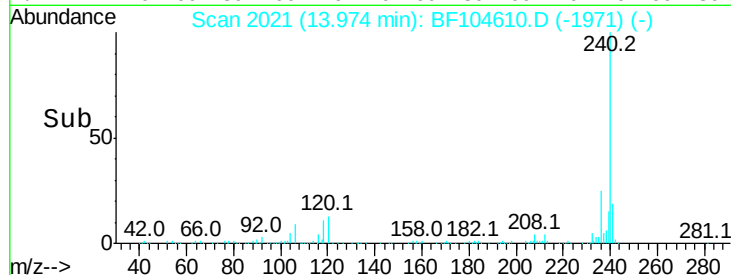
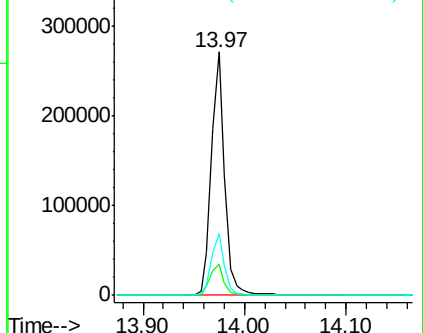
236 25.4 20.7 31.1



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: 85.005 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104610.D

Acq: 18 Apr 2018 19:04

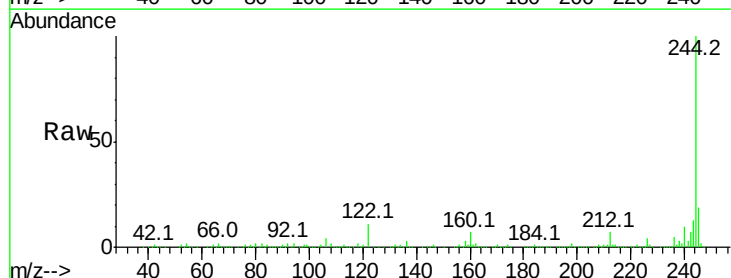
Tgt Ion:244 Resp: 925560

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

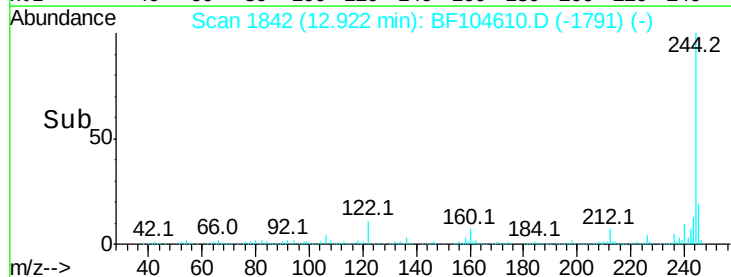
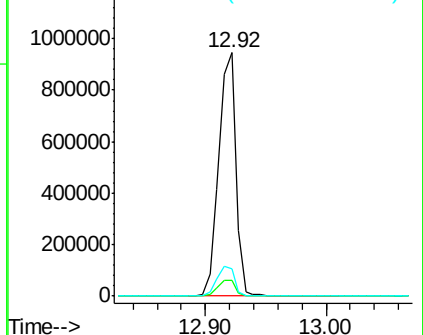
122 11.4 11.0 16.4

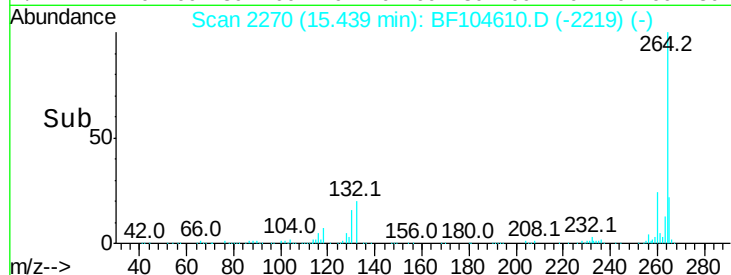
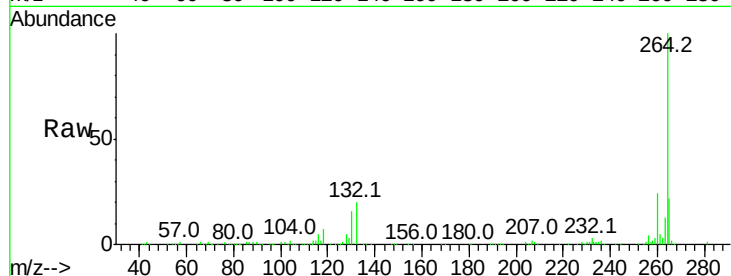
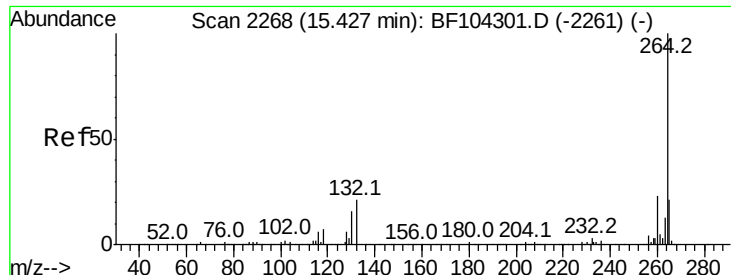


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF104610.D
 Acq: 18 Apr 2018 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

