

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104579.D
 Acq On : 17 Apr 2018 23:15
 Operator : JU/SJ
 Sample : J2408-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:54:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

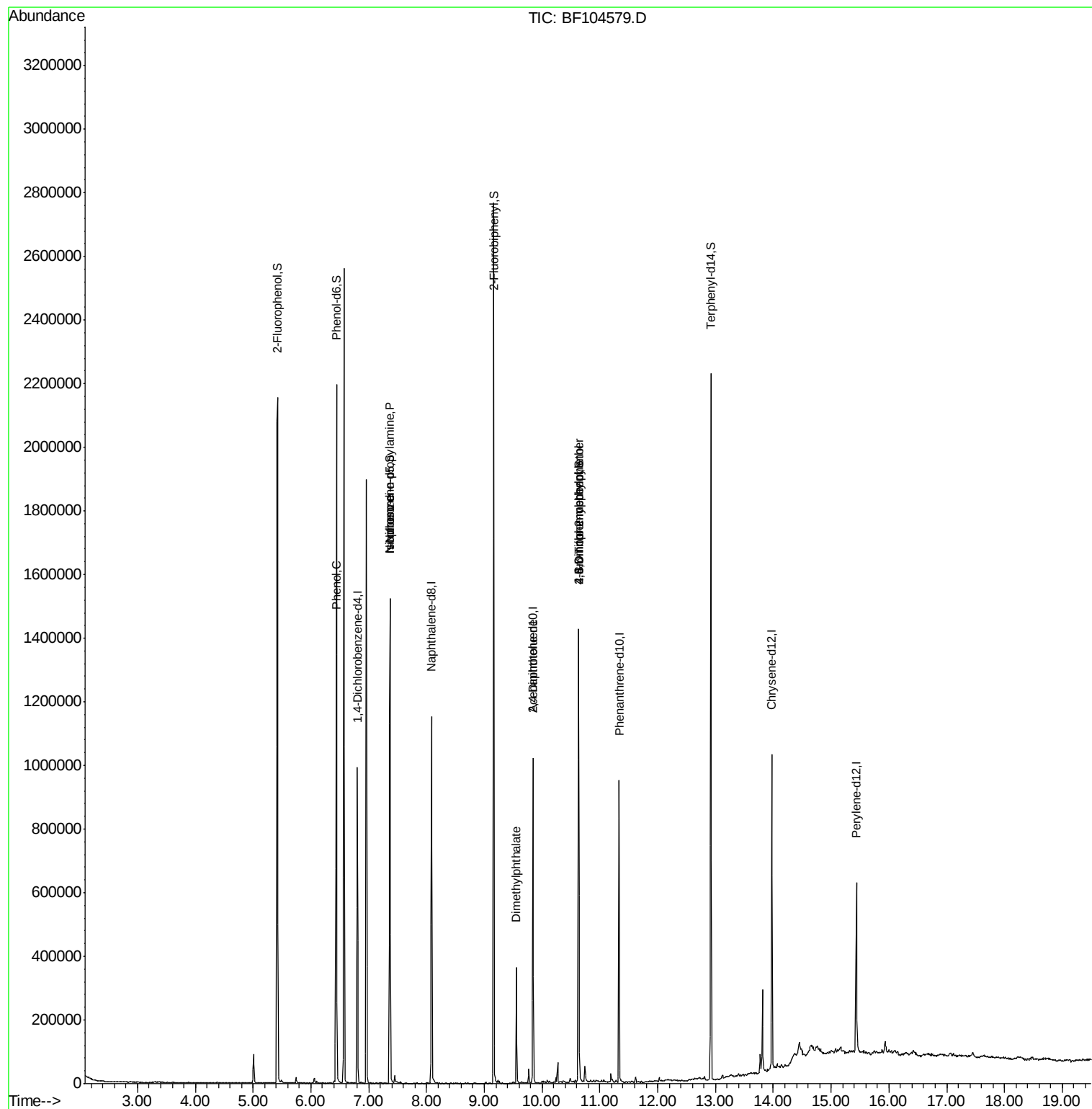
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	128351	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	491546	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198329	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	336436	20.00	ng	0.00
75) Chrysene-d12	13.97	240	295512	20.00	ng	0.00
86) Perylene-d12	15.44	264	239487	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	666434	79.39	ng	0.00
7) Phenol-d6	6.44	99	808837	78.42	ng	0.00
23) Nitrobenzene-d5	7.37	82	472480	62.77	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	164043	79.74	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	795987	63.40	ng	0.00
78) Terphenyl-d14	12.92	244	716347	55.27	ng	0.00
Target Compounds						
10) Phenol	6.45	94	33222	3.036	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	61724	9.158	ng	# 73
25) Isophorone	7.37	82	472471	29.681	ng	# 64
49) Dimethylphthalate	9.56	163	133419	8.531	ng	100
56) 2,4-Dinitrotoluene	9.85	165	24460	6.444	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	186	7.443	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9794	2.737	ng	# 1
76) Benzidine	12.92	184	8985	Below Cal		96

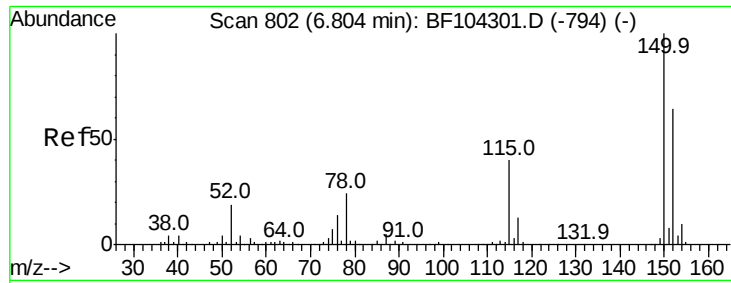
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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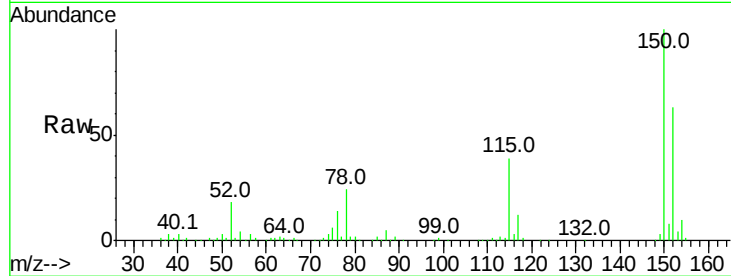


#1

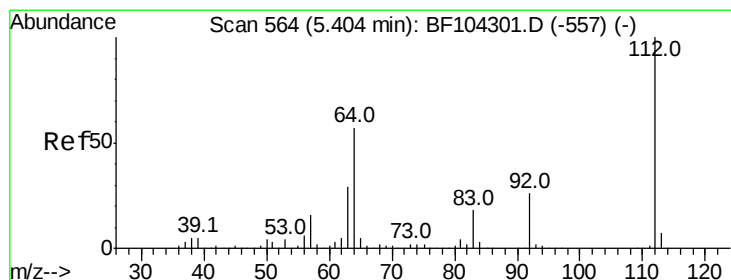
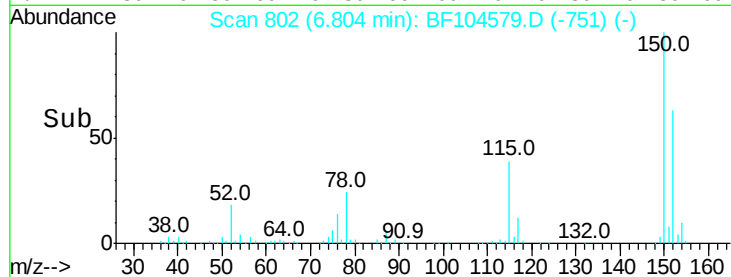
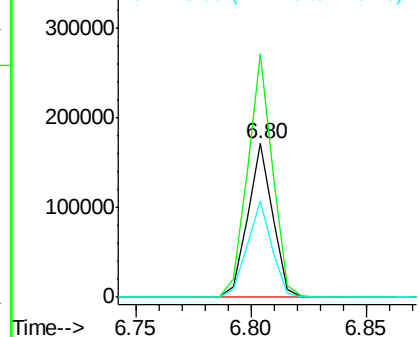
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128351
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 62.4 50.1 75.1



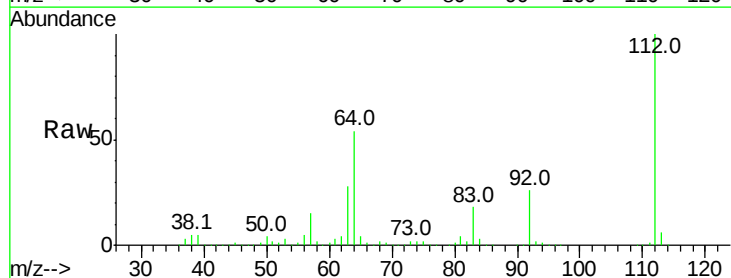
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



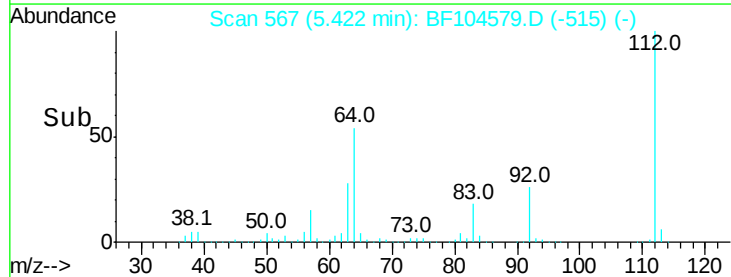
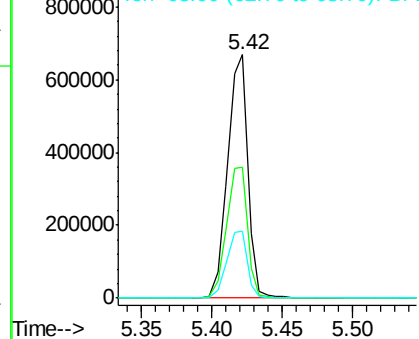
#5

2-Fluorophenol
Concen: 79.393 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

Tgt Ion:112 Resp: 666434
Ion Ratio Lower Upper
112 100
64 53.7 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: 78.424 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104579.D

Acq: 17 Apr 2018 23:15

Instrument :

BNA_F

ClientSampled :

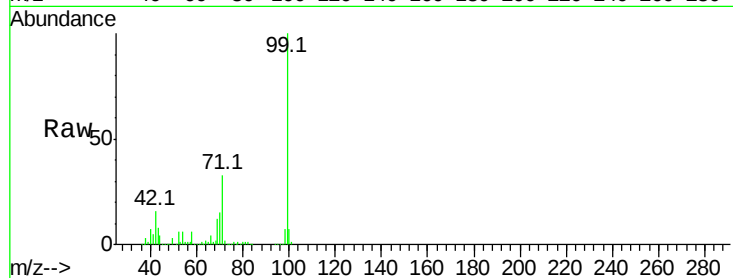
Tot Ion: 99 Resp: 808837

Ion Ratio Lower Upper

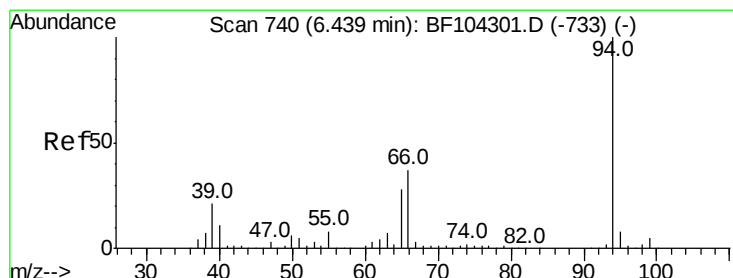
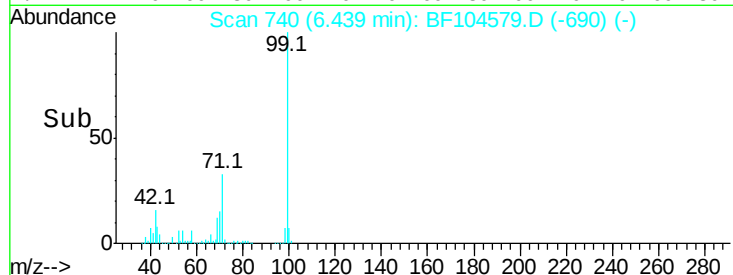
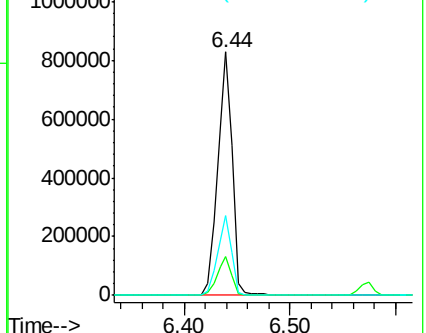
99 100

42 16.0 14.5 21.7

71 32.9 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



#10

Phenol

Concen: 3.036 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104579.D

Acq: 17 Apr 2018 23:15

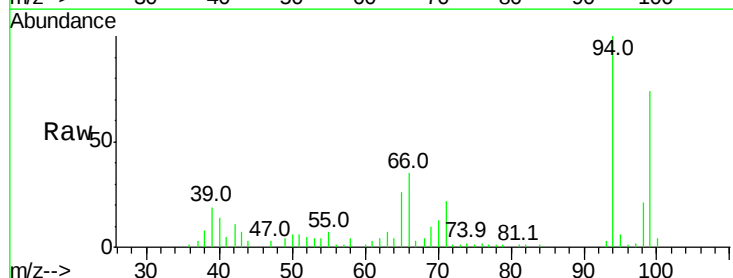
Tgt Ion: 94 Resp: 33222

Ion Ratio Lower Upper

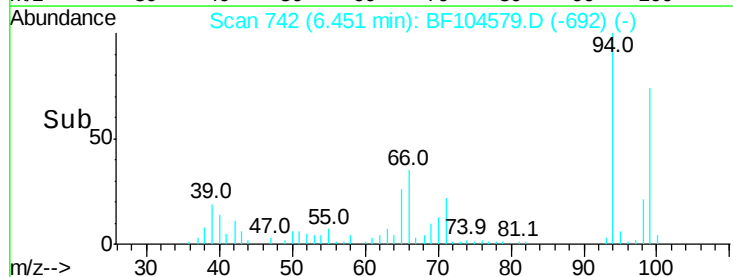
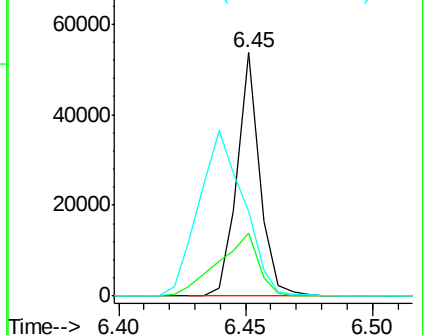
94 100

65 26.0 7.9 47.9

66 35.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.158 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104579.D

Acq: 17 Apr 2018 23:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 61724

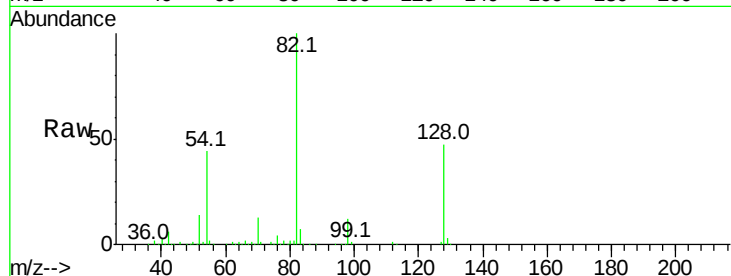
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

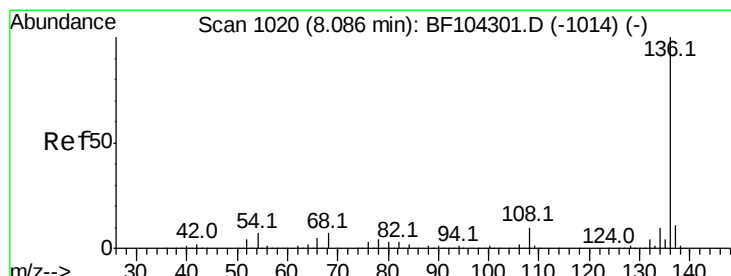
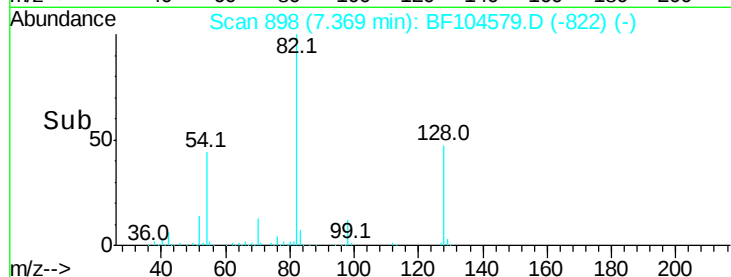
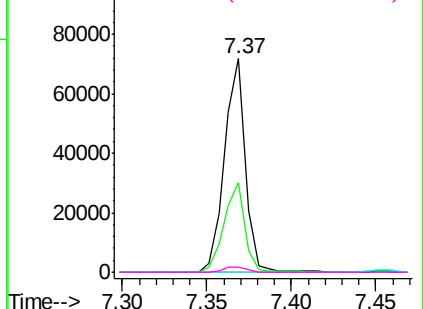


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104579.D

Acq: 17 Apr 2018 23:15

Tgt Ion:136 Resp: 491546

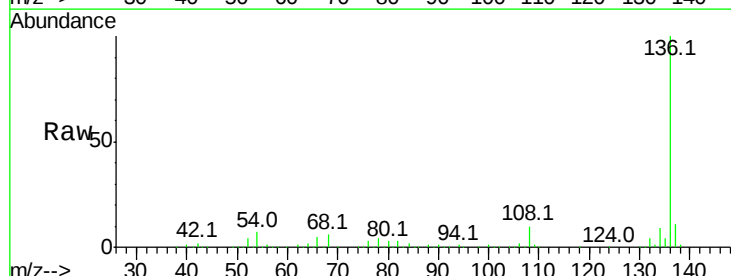
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.1 6.6 9.8

68 6.4 5.0 7.4

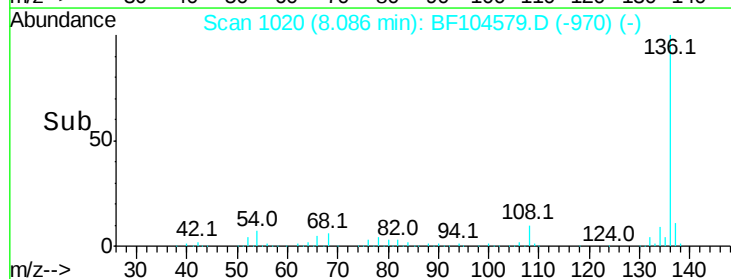
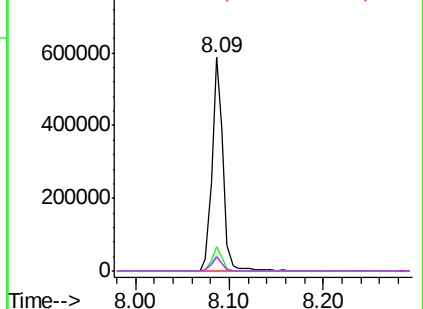


Abundance Ion 136.00 (135.70 to 136.70): BF1

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

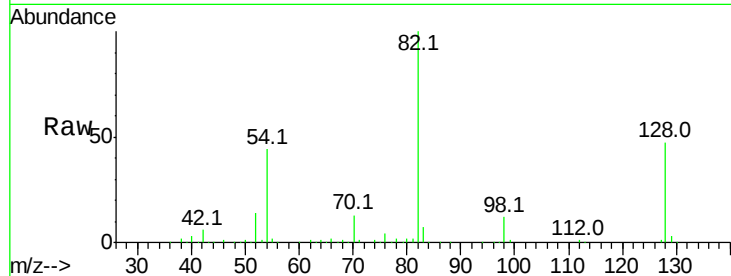




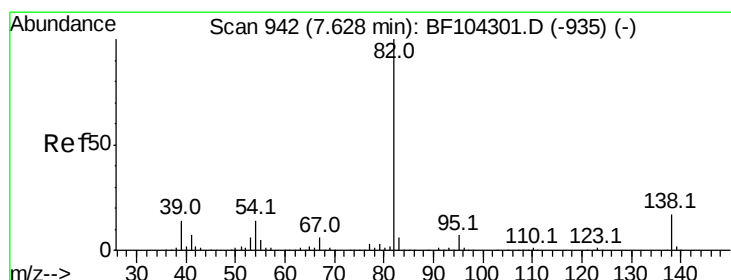
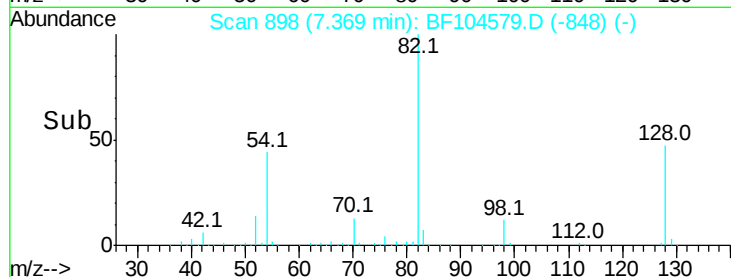
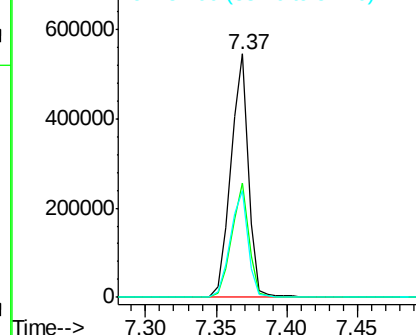
#23
 Nitrobenzene-d5
 Concen: 62.765 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 472480
 Ion Ratio Lower Upper
 82 100
 128 47.1 36.1 54.1
 54 43.6 41.4 62.2

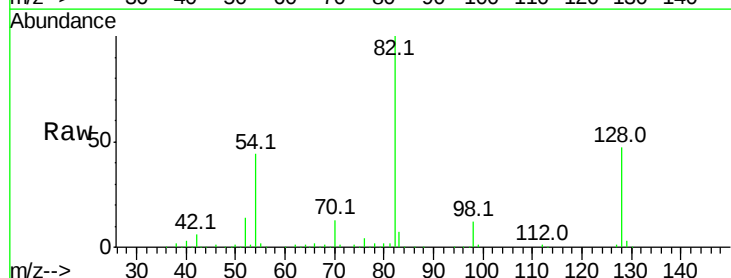


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

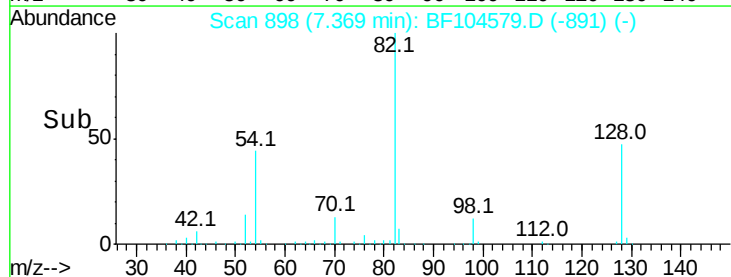
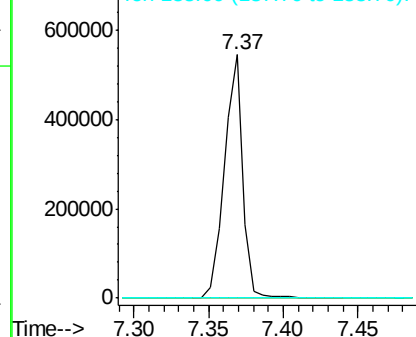


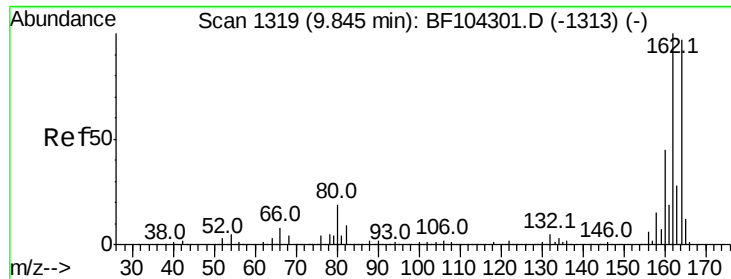
#25
 Isophorone
 Concen: 29.681 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

Tgt Ion: 82 Resp: 472471
 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

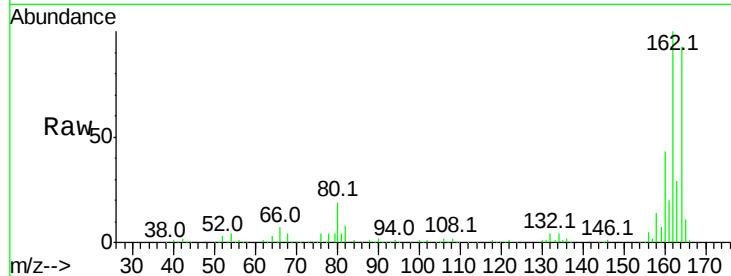




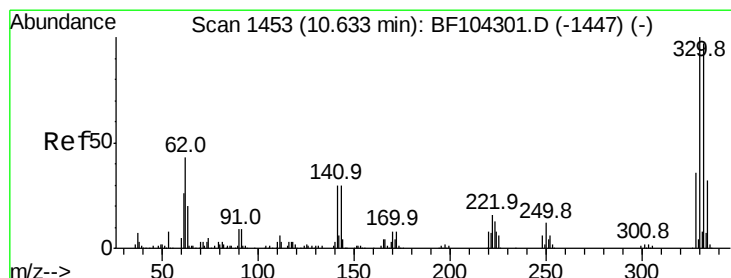
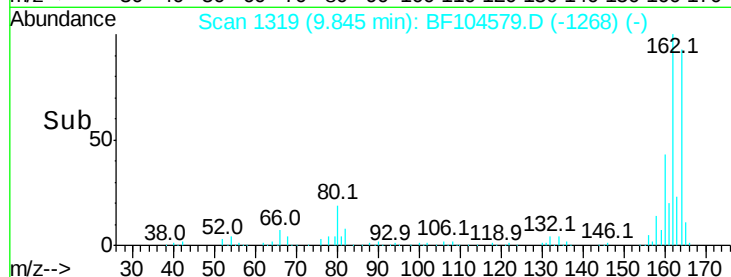
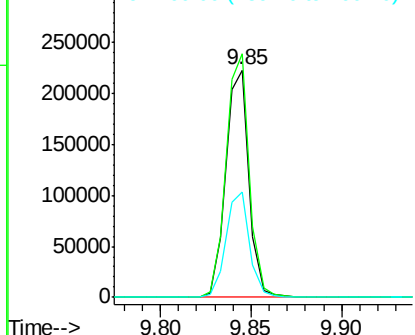
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 198329
 Ion Ratio Lower Upper
 164 100
 162 107.2 86.1 129.1
 160 46.5 38.3 57.5

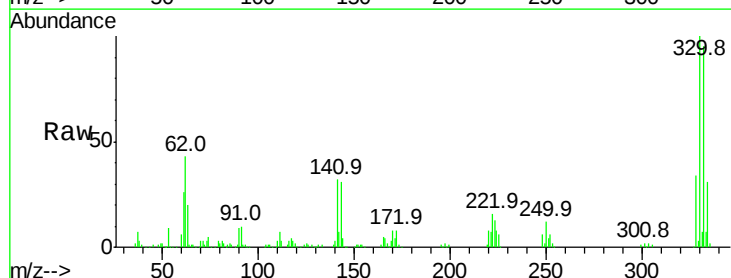


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

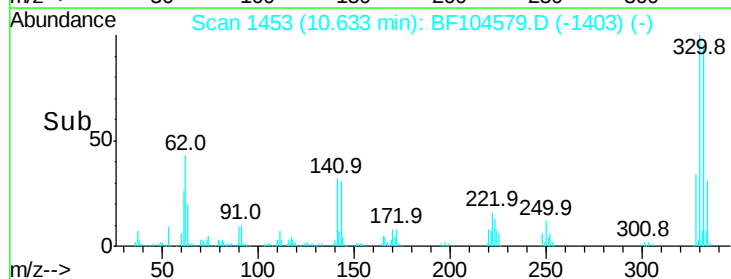
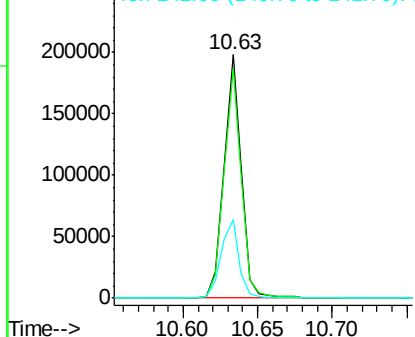


#41
 2,4,6-Tribromophenol
 Concen: 79.736 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

Tgt Ion:330 Resp: 164043
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 33.3 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

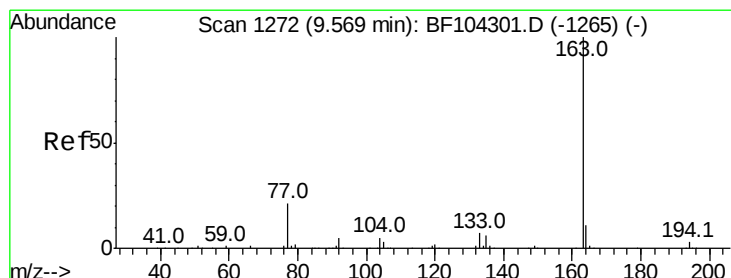
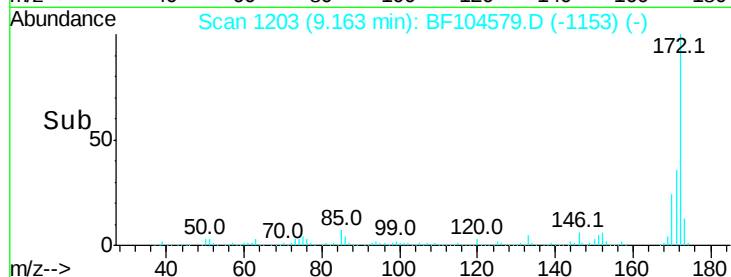
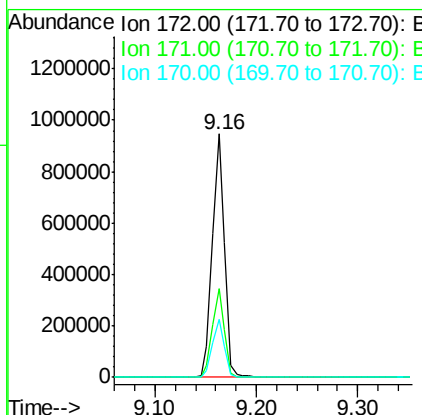
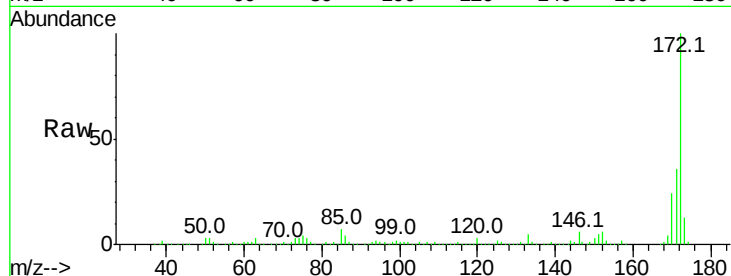




#44
2-Fluorobiphenyl
Concen: 63.403 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

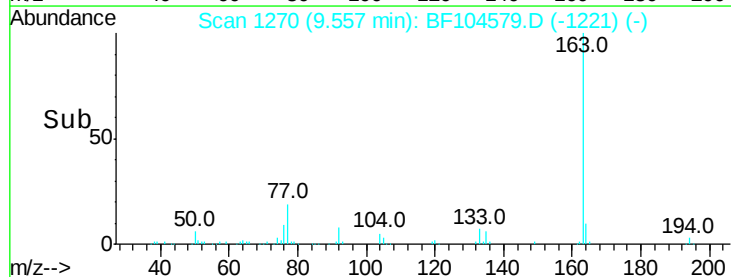
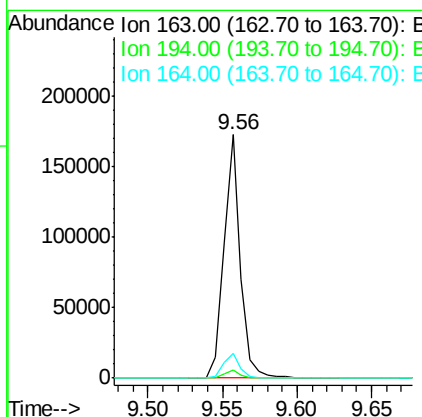
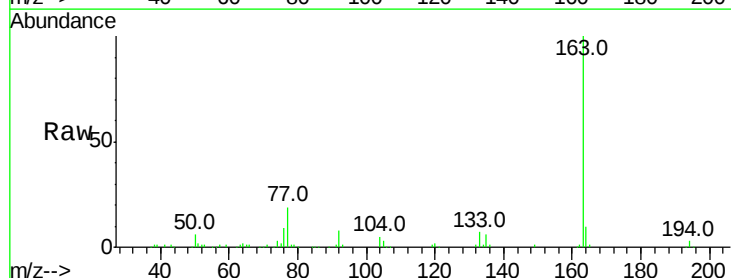
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4



#49
Dimethylphthalate
Concen: 8.531 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.2	8.2	12.2

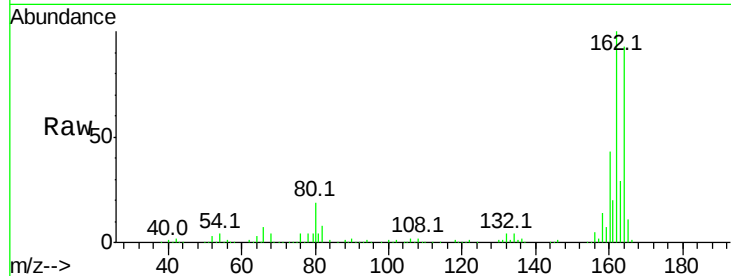




#56
 2,4-Dinitrotoluene
 Concen: 6.444 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

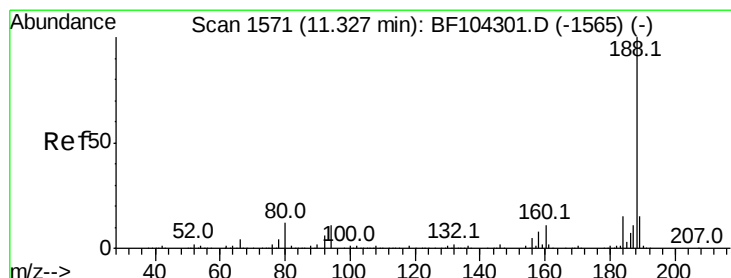
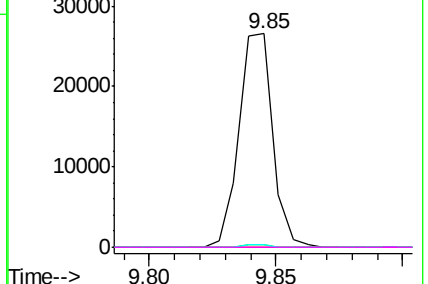
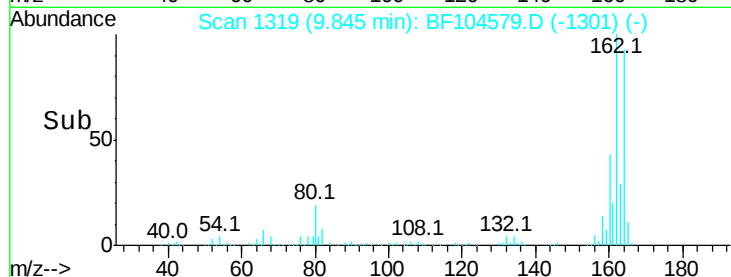


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

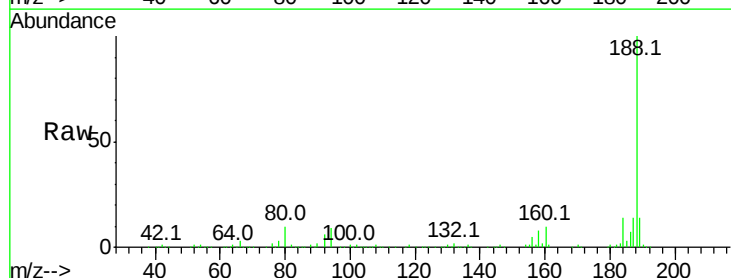
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104579.D
 Acq: 17 Apr 2018 23:15

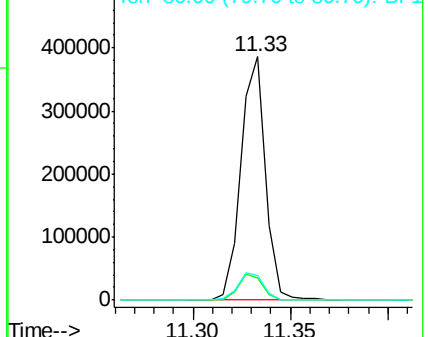
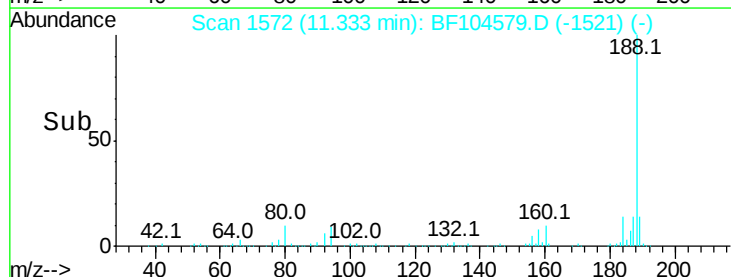
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.4	9.2	13.8



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

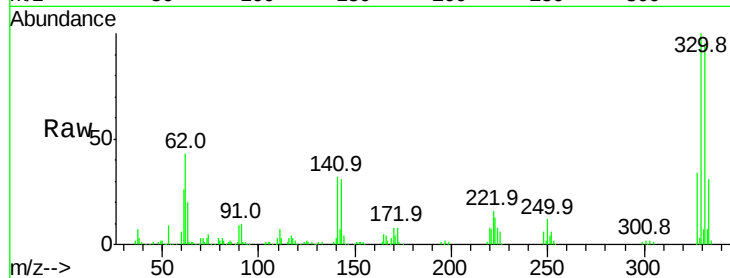




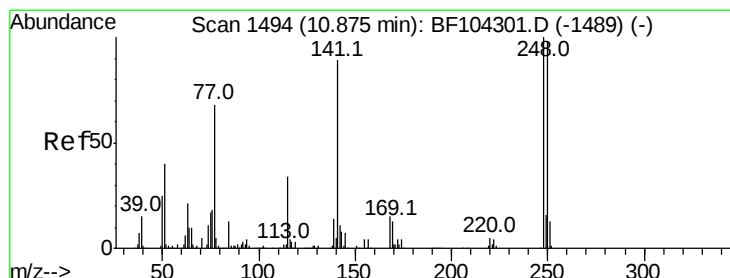
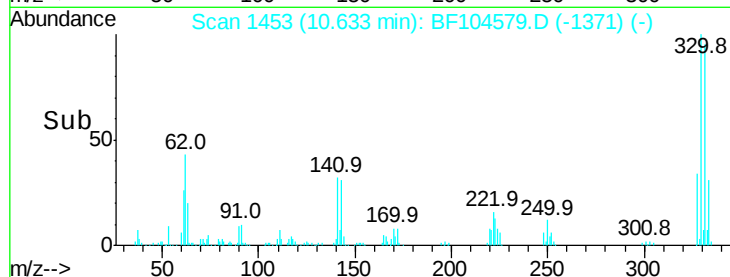
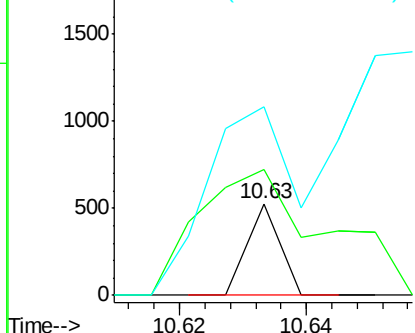
#64
4,6-Dinitro-2-methylphenol
Concen: 7.443 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 186
Ion Ratio Lower Upper
198 100
51 136.8 37.7 77.7#
105 205.3 36.3 76.3#

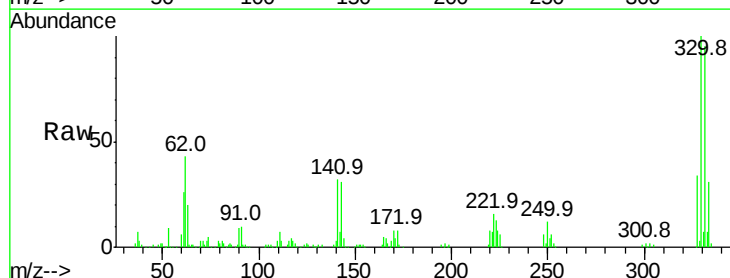


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

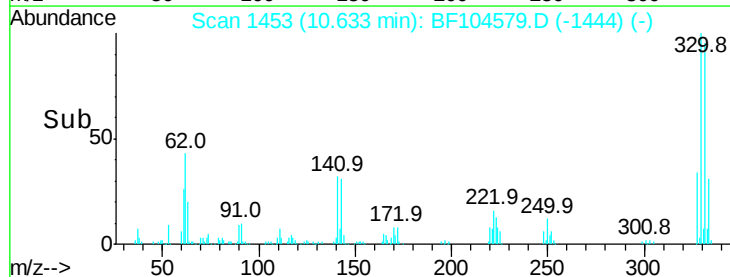
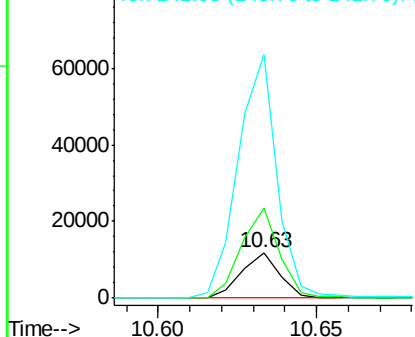


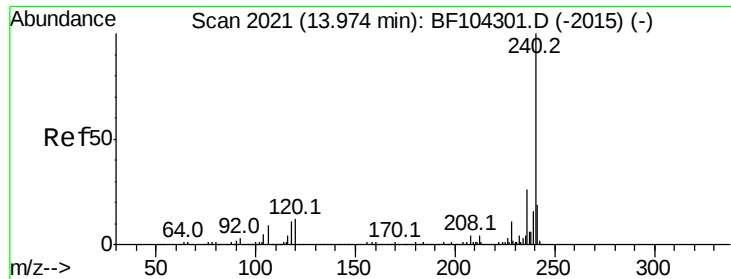
#66
4-Bromophenyl-phenylether
Concen: 2.737 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104579.D
Acq: 17 Apr 2018 23:15

Tgt Ion:248 Resp: 9794
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 531.0 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: BF104579.D

Acq: 17 Apr 2018 23:15

Instrument :

BNA_F

ClientSampleId :

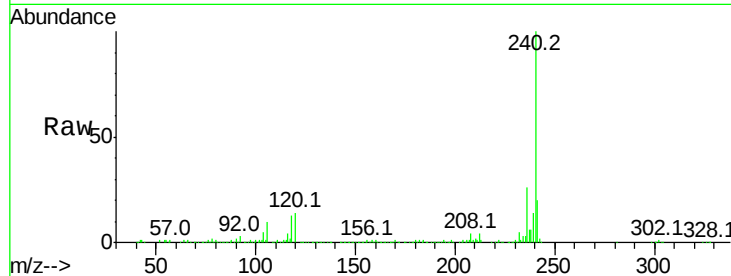
Tot Ion:240 Resp: 295512

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

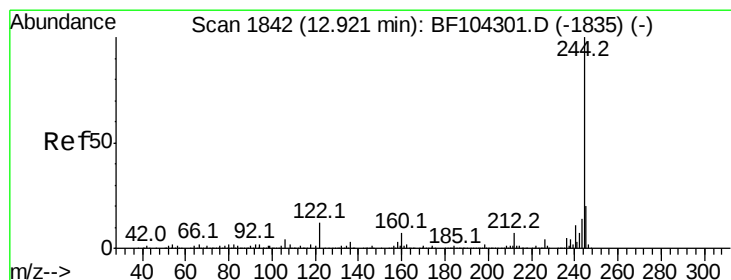
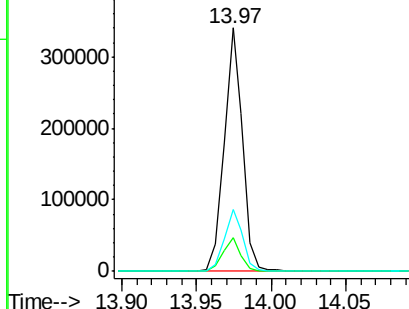
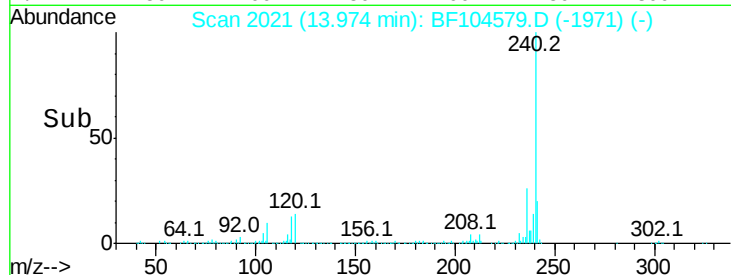
236 25.6 20.7 31.1



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: 55.265 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104579.D

Acq: 17 Apr 2018 23:15

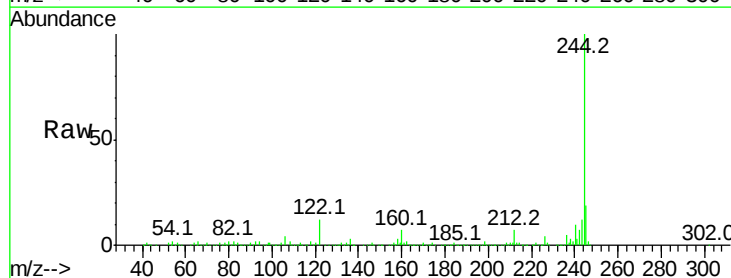
Tgt Ion:244 Resp: 716347

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

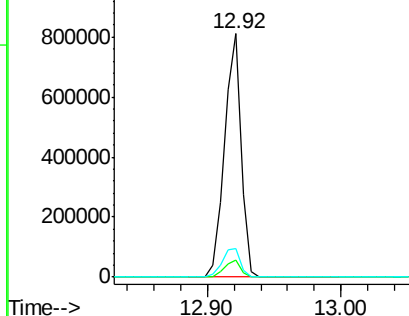
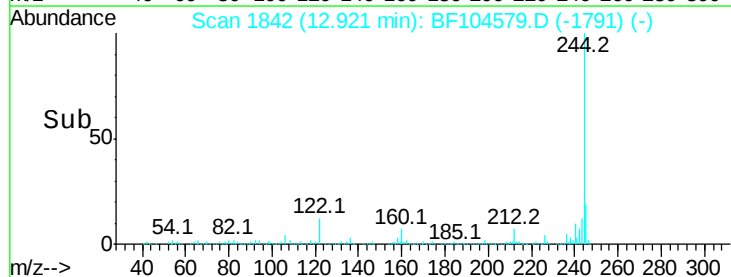
122 12.0 11.0 16.4

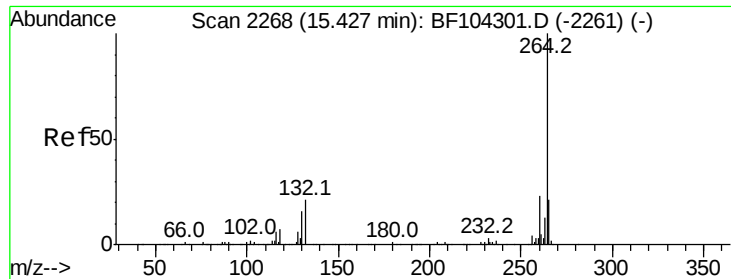


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF104579.D
Acq: 17 Apr 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

