

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104707.D
 Acq On : 23 Apr 2018 14:14
 Operator : JU/SJ
 Sample : J2493-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 15:42:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

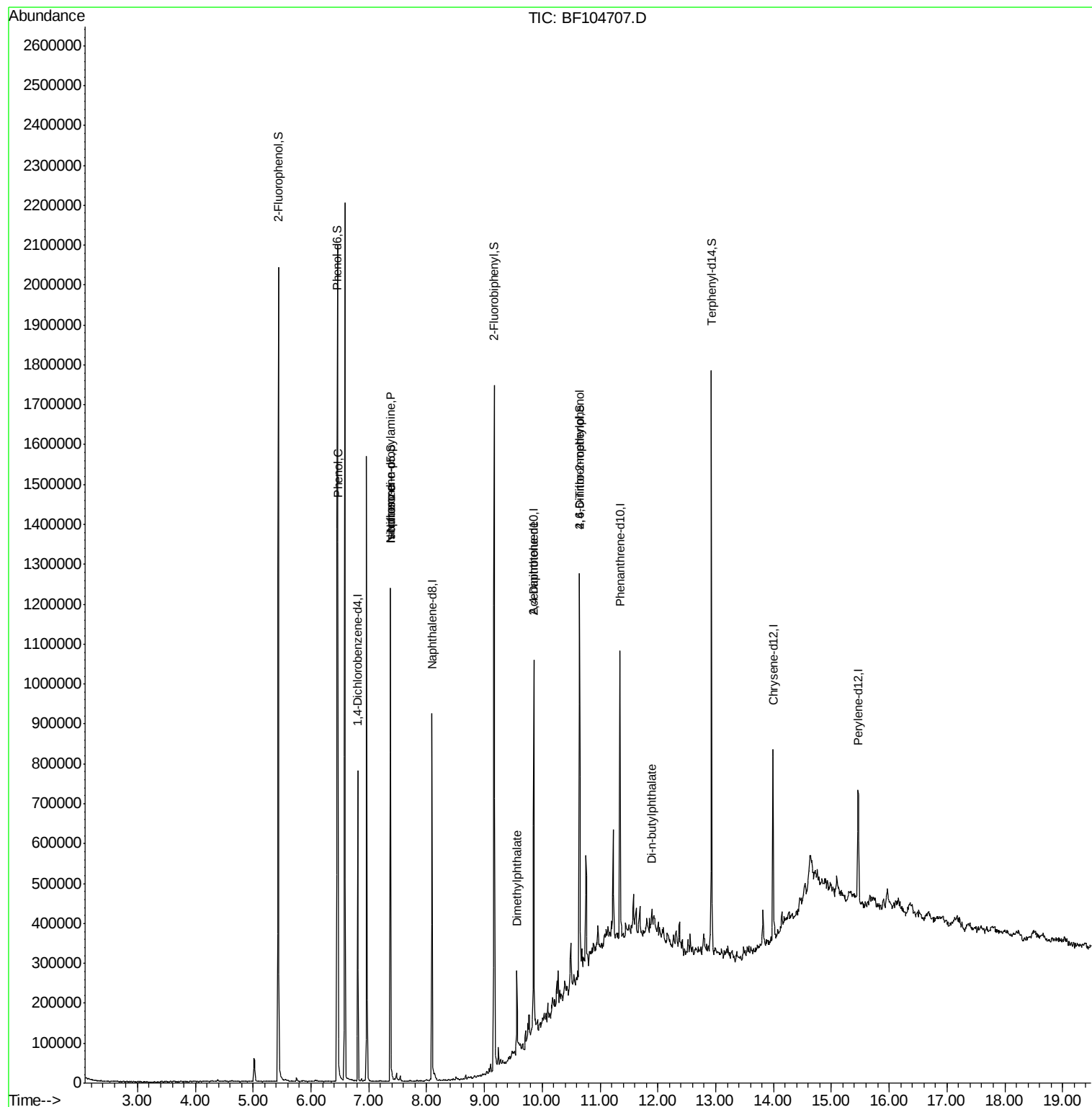
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	105893	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	418309	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	167765	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	265998	20.00	ng	0.01
75) Chrysene-d12	13.99	240	180458	20.00	ng	0.00
86) Perylene-d12	15.46	264	131753	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	614792	88.77	ng	0.02
7) Phenol-d6	6.46	99	724095	85.10	ng	0.01
23) Nitrobenzene-d5	7.37	82	382550	59.72	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	124187	71.36	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	514094	48.41	ng	0.00
78) Terphenyl-d14	12.93	244	458194	57.89	ng	0.00
Target Compounds						
10) Phenol	6.47	94	35516	3.934	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	49707	8.940	ng	# 74
25) Isophorone	7.37	82	382542	28.239	ng	# 64
49) Dimethylphthalate	9.56	163	59872	4.526	ng	100
56) 2,4-Dinitrotoluene	9.85	165	21836	6.800	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.65	198	315	7.553	ng	# 1
73) Di-n-butylphthalate	11.90	149	42137	2.344	ng	# 90
76) Benzidine	12.64	184	620	Below Cal	#	1

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

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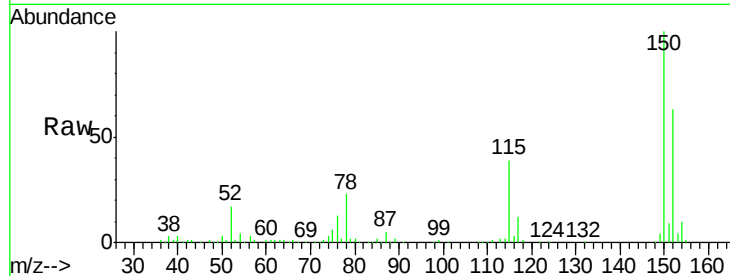


#1

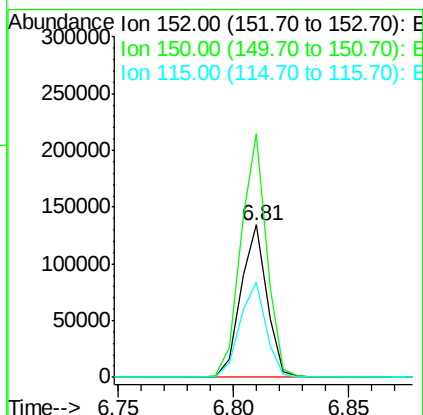
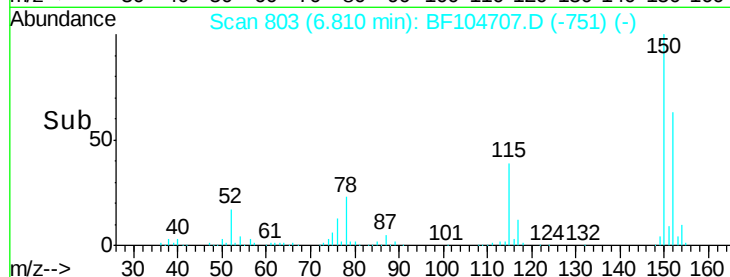
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105893
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 62.6 50.1 75.1



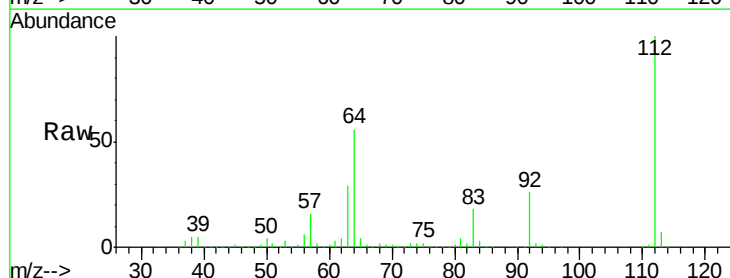
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



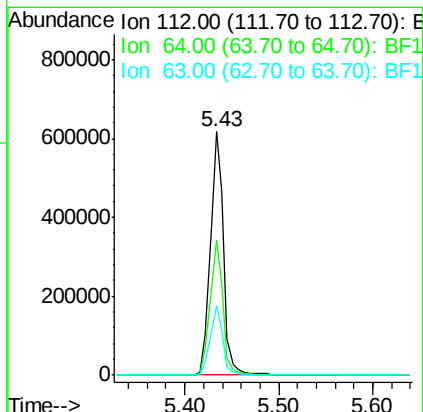
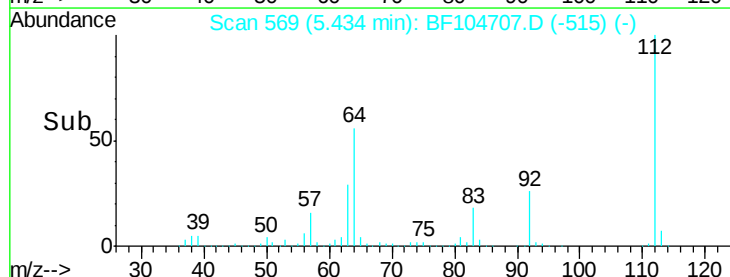
#5

2-Fluorophenol
Concen: 88.774 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Tgt Ion:112 Resp: 614792
Ion Ratio Lower Upper
112 100
64 55.5 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: 85.097 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

Instrument :

BNA_F

ClientSampled :

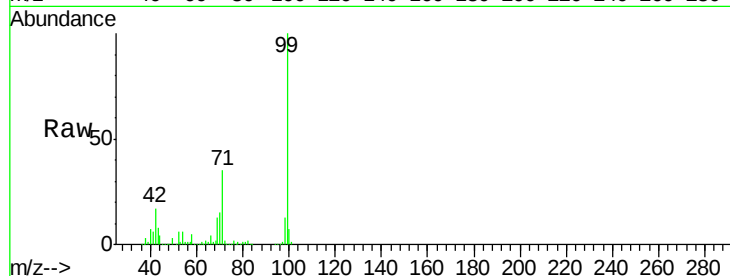
Tot Ion: 99 Resp: 724095

Ion Ratio Lower Upper

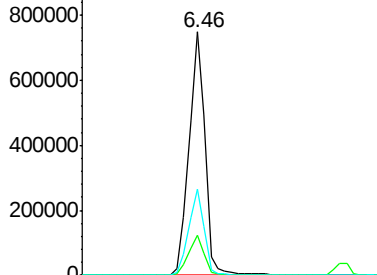
99 100

42 16.6 14.5 21.7

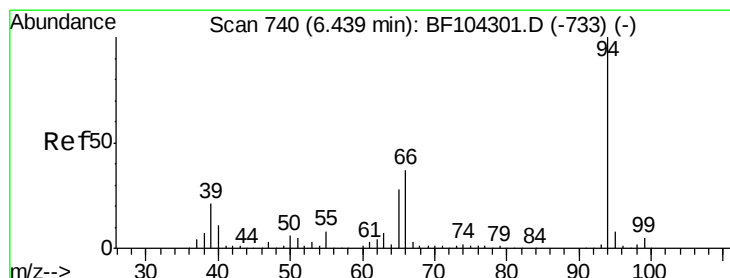
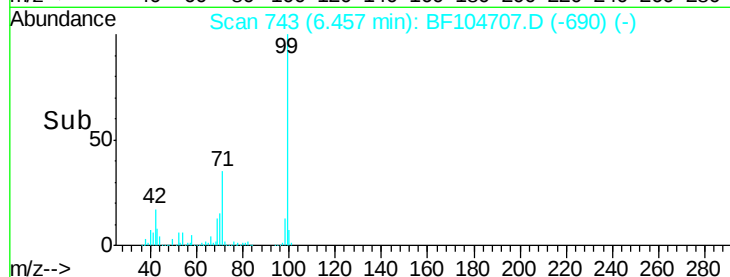
71 35.4 25.4 38.0



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



Time-->



#10

Phenol

Concen: 3.934 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

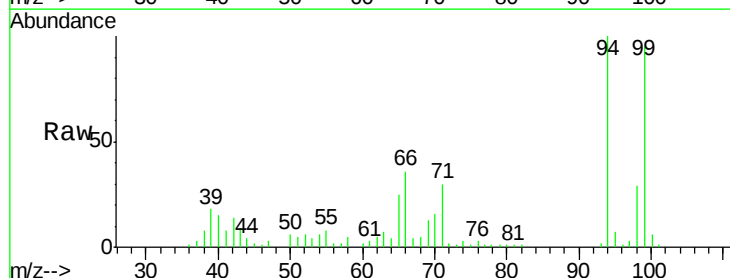
Tgt Ion: 94 Resp: 35516

Ion Ratio Lower Upper

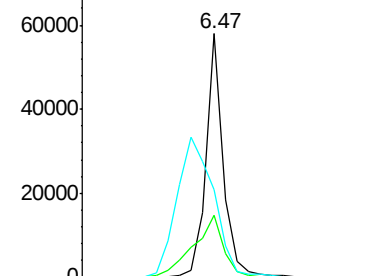
94 100

65 25.2 7.9 47.9

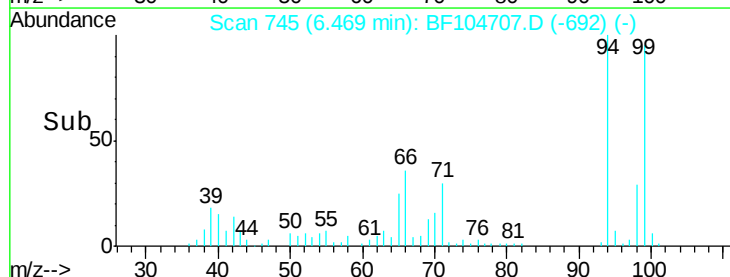
66 35.9 16.2 56.2

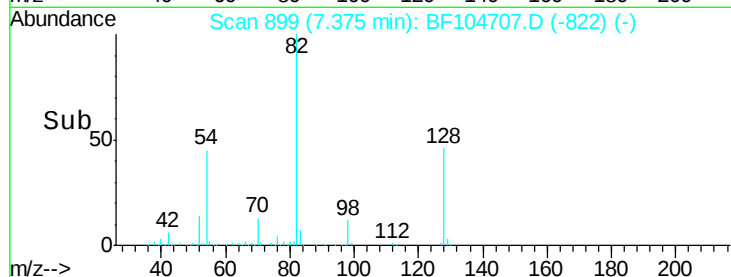
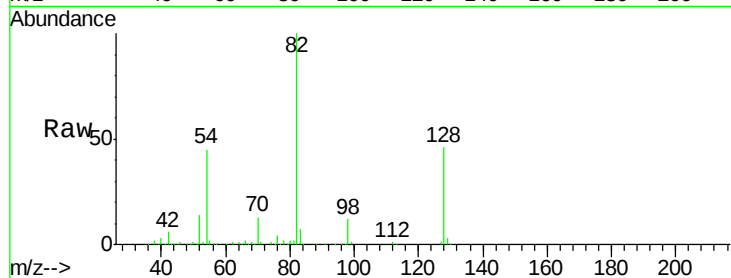
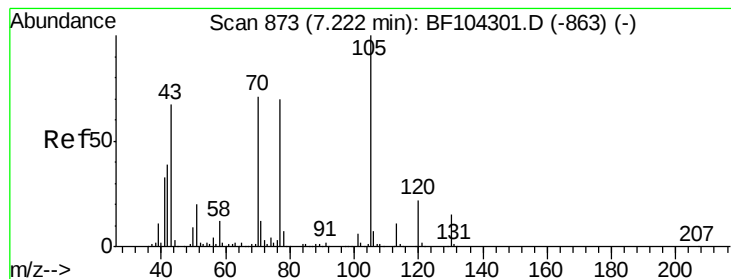


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 8.940 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 49707

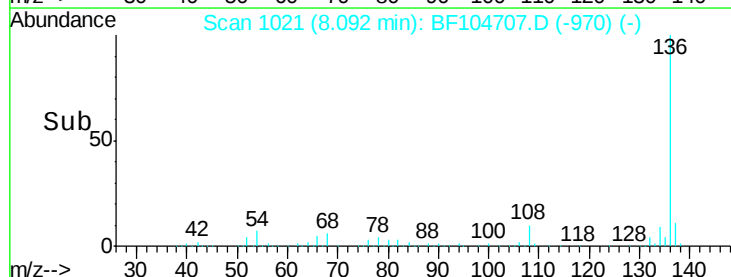
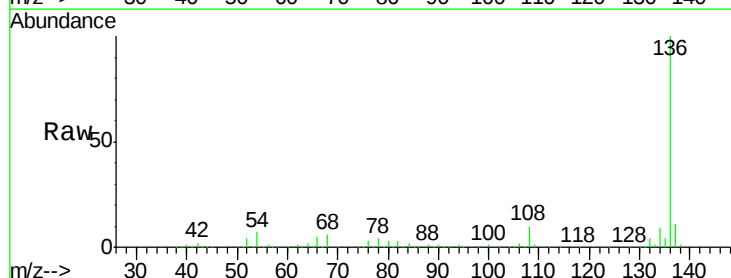
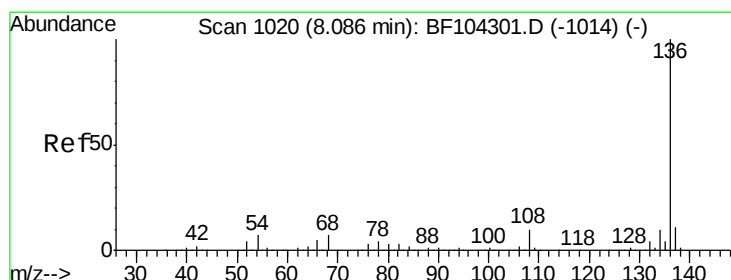
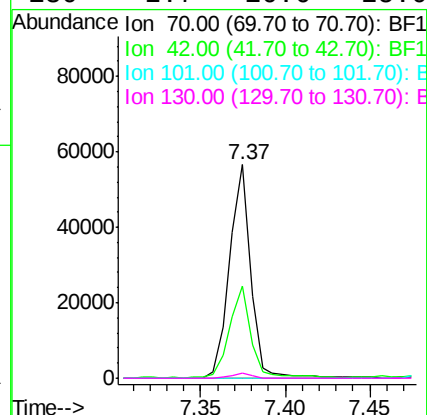
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

Tgt Ion:136 Resp: 418309

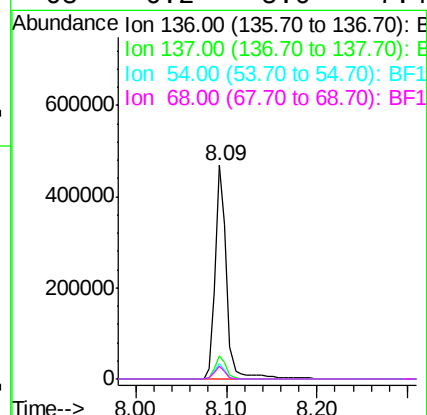
Ion Ratio Lower Upper

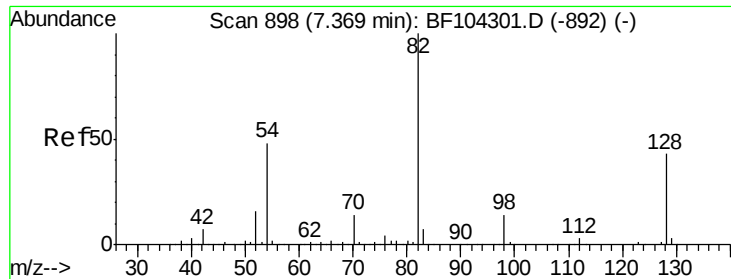
136 100

137 10.8 8.9 13.3

54 7.0 6.6 9.8

68 6.2 5.0 7.4

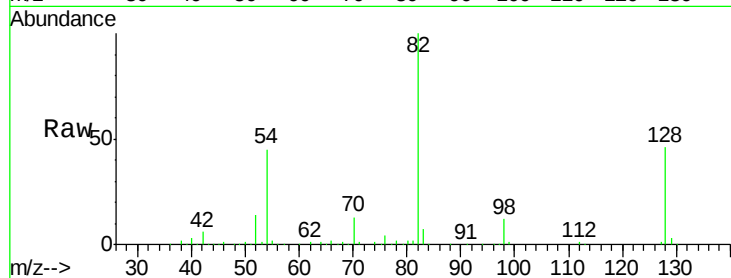




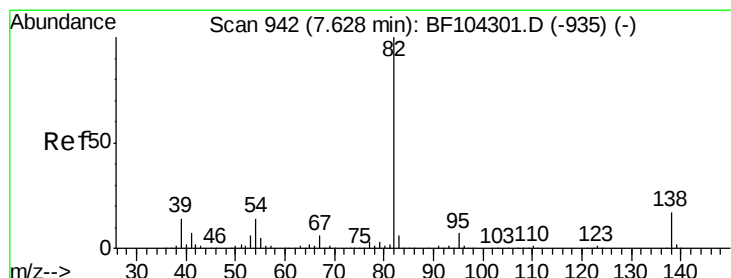
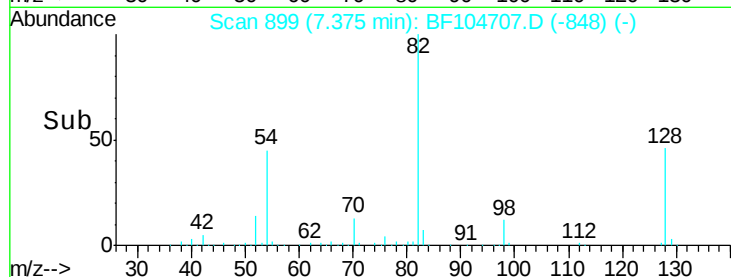
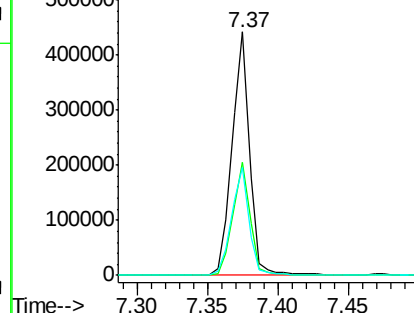
#23
Nitrobenzene-d5
Concen: 59.716 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 382550
Ion Ratio Lower Upper
82 100
128 46.2 36.1 54.1
54 44.5 41.4 62.2

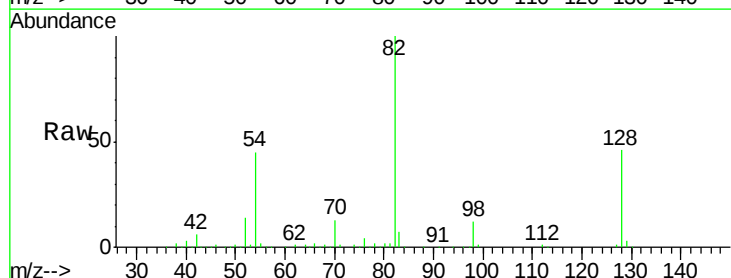


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

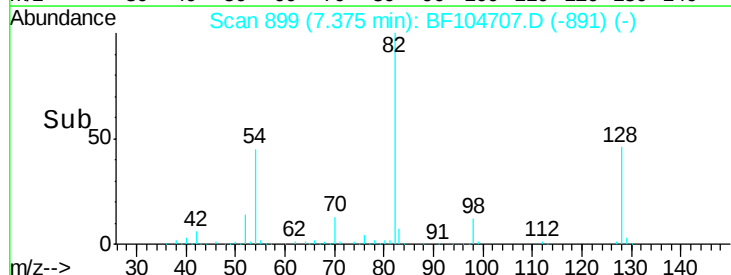
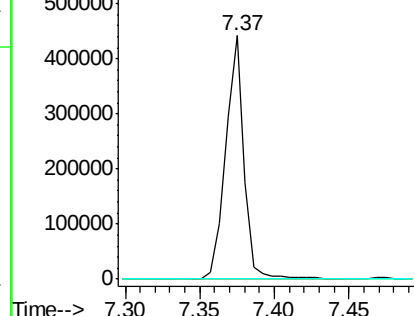


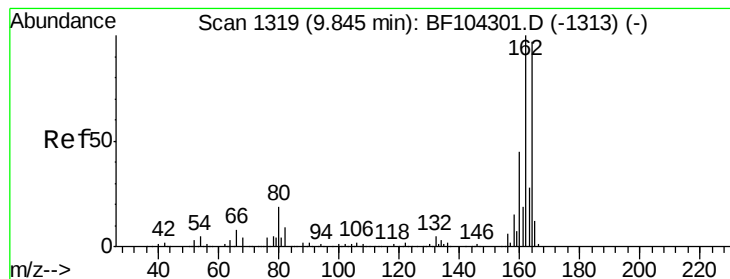
#25
Isophorone
Concen: 28.239 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Tgt Ion: 82 Resp: 382542
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# 1320

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

Instrument :

BNA_F

ClientSampleId :

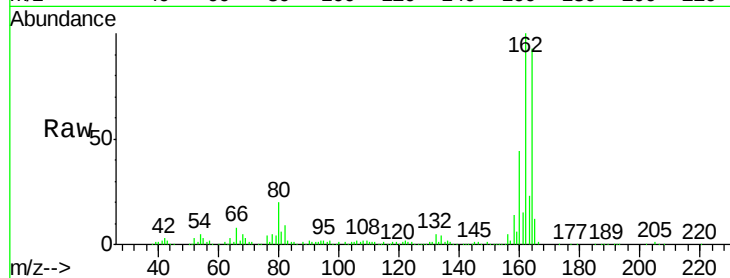
Tot Ion:164 Resp: 167765

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

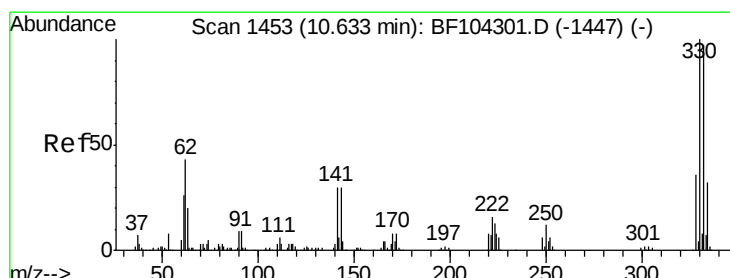
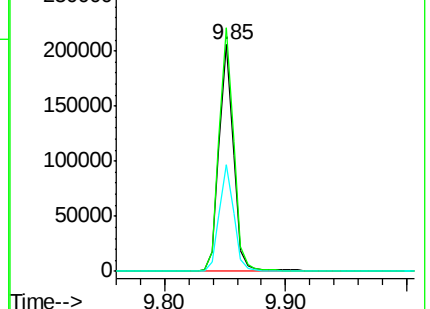
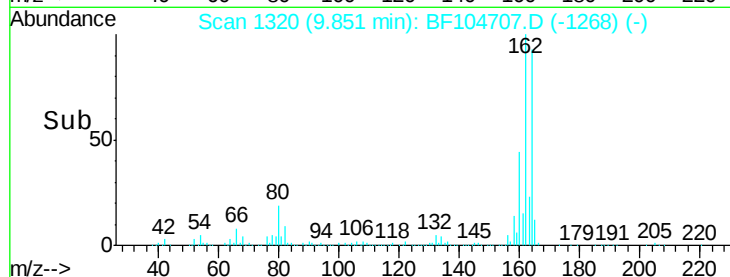
160 47.3 38.3 57.5



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: 71.361 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

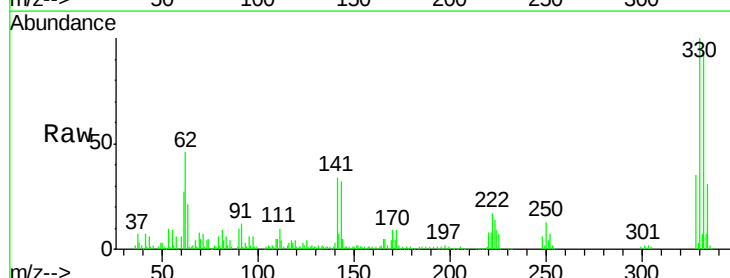
Tgt Ion:330 Resp: 124187

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

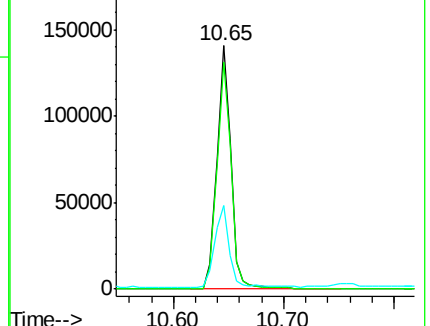
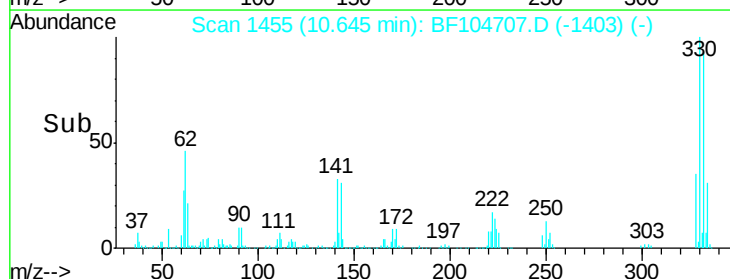
141 33.6 29.9 44.9

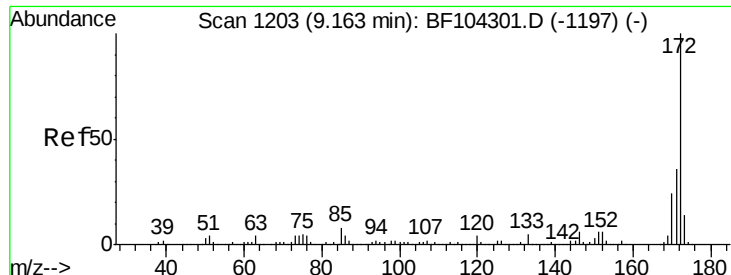


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

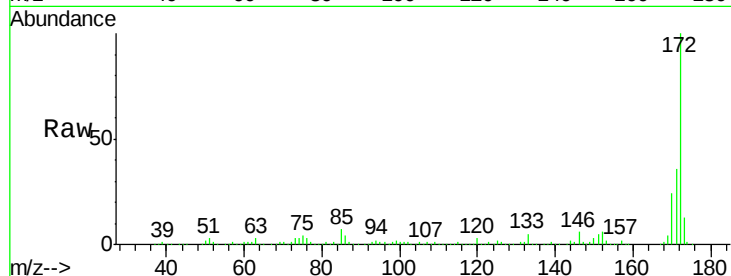




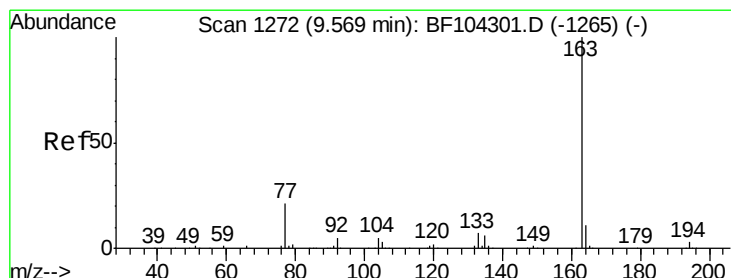
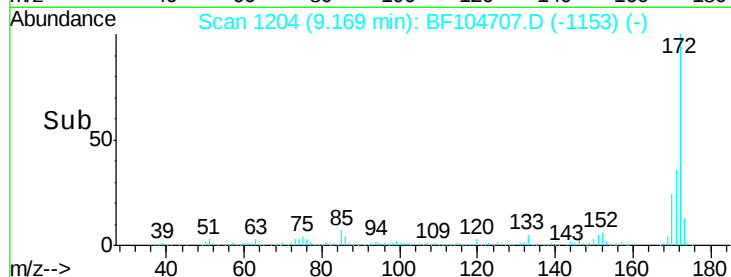
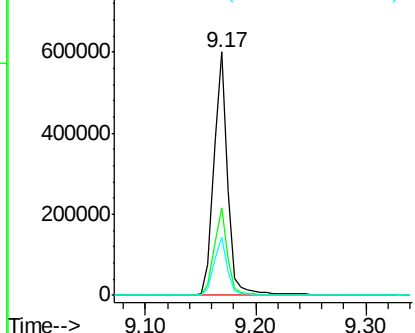
#44
2-Fluorobiphenyl
Concen: 48.409 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 514094
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

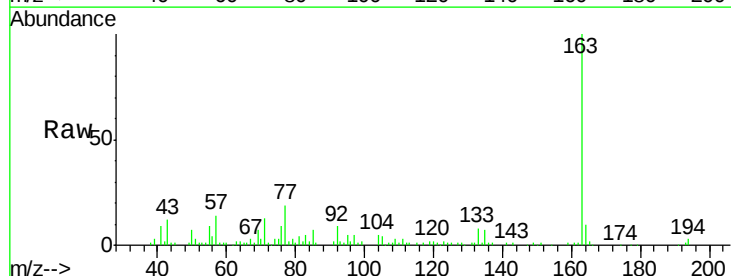


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

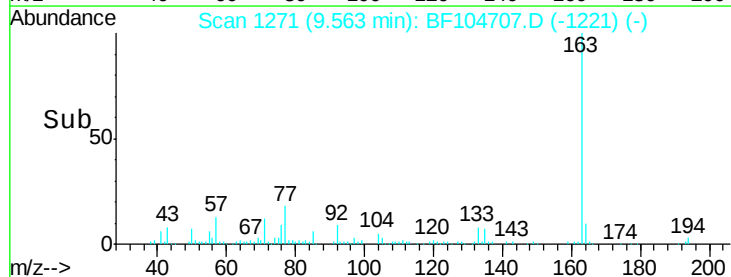
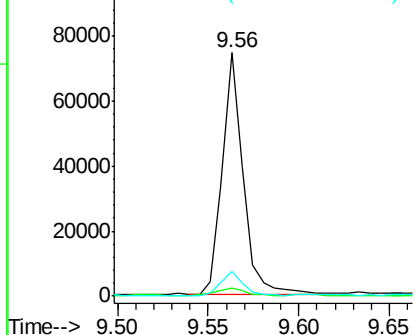


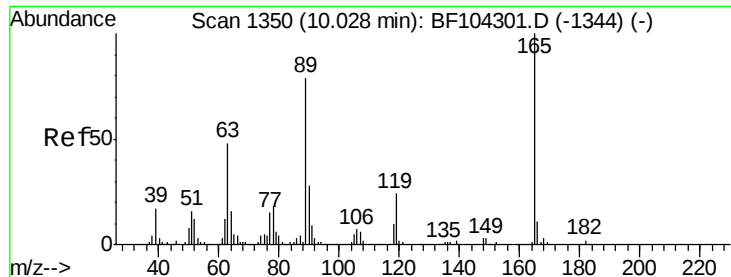
#49
Dimethylphthalate
Concen: 4.526 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Tgt Ion:163 Resp: 59872
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

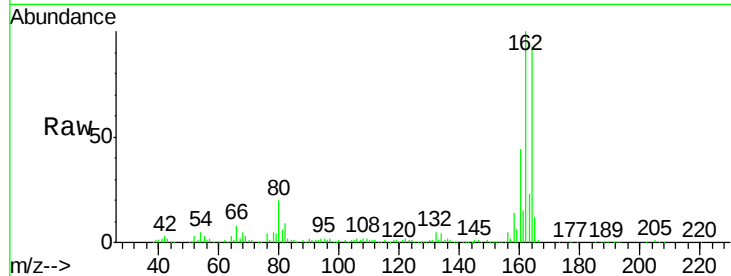




#56
 2,4-Dinitrotoluene
 Concen: 6.800 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104707.D
 Acq: 23 Apr 2018 14:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



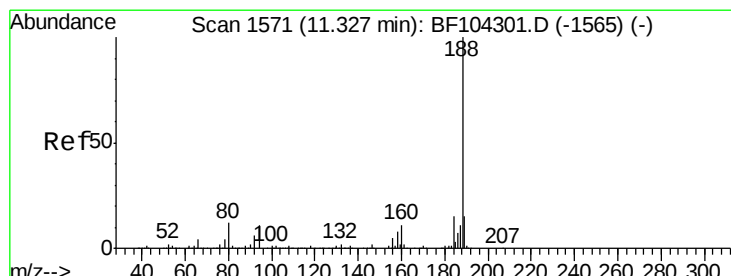
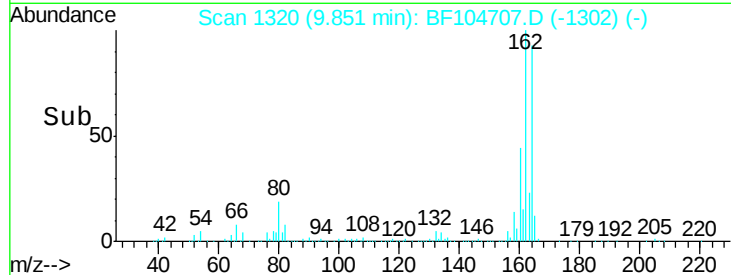
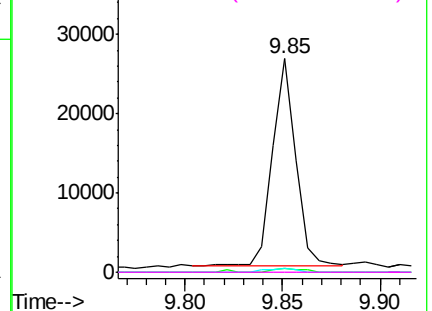
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

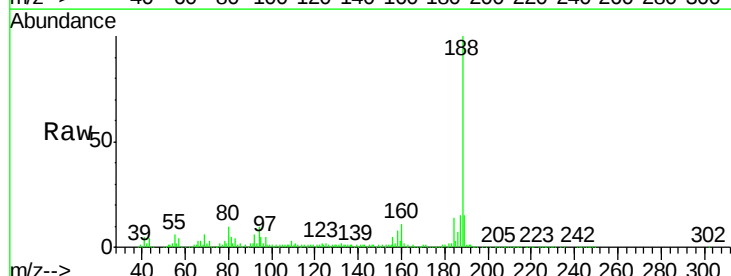
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF104707.D
 Acq: 23 Apr 2018 14:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	9.9	9.2	13.8

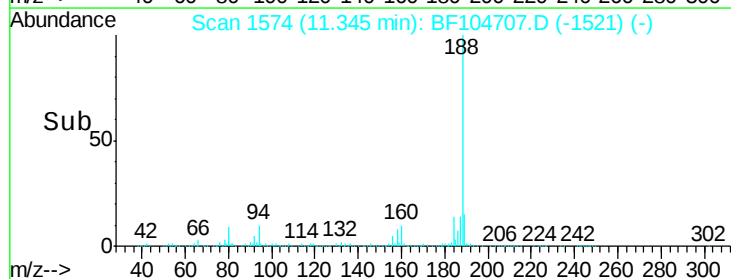
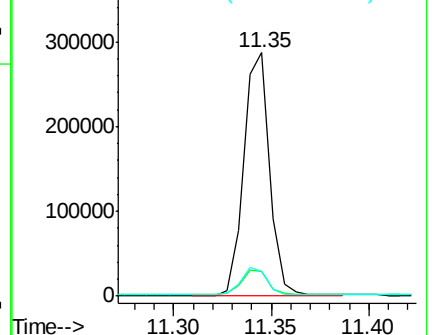


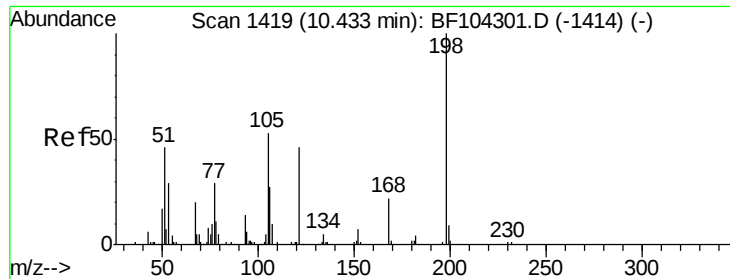
Abundance

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

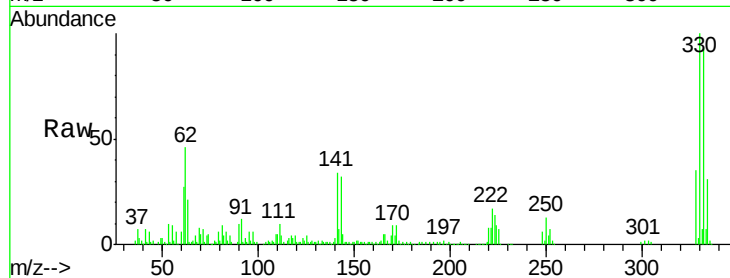




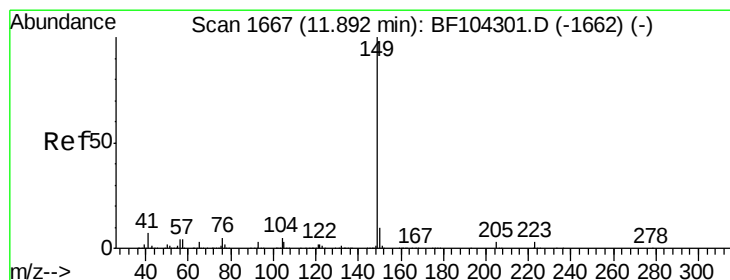
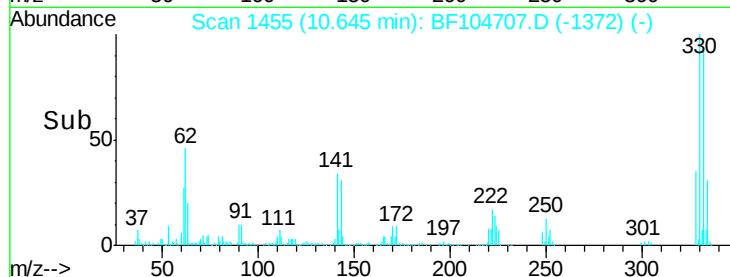
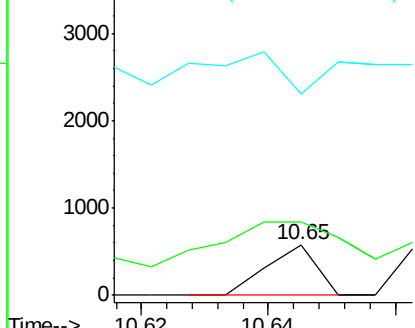
#64
4,6-Dinitro-2-methylphenol
Concen: 7.553 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 315
Ion Ratio Lower Upper
198 100
51 145.0 37.7 77.7#
105 398.3 36.3 76.3#

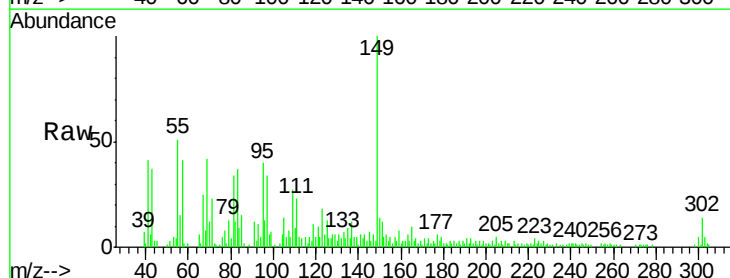


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

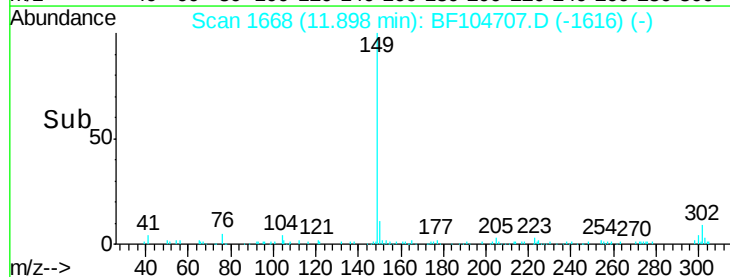
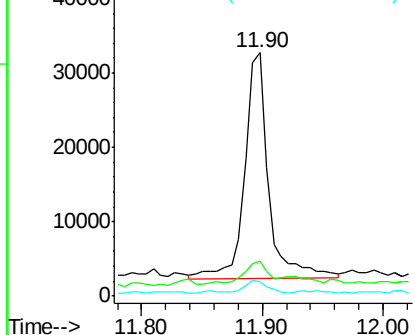


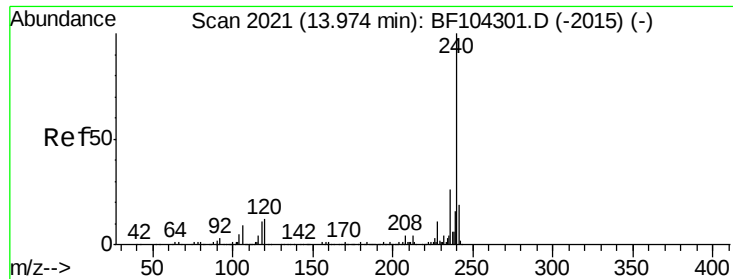
#73
Di-n-butylphthalate
Concen: 2.344 ng
RT: 11.90 min Scan# 1668
Delta R.T. 0.01 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Tgt Ion:149 Resp: 42137
Ion Ratio Lower Upper
149 100
150 14.4 7.8 11.6#
104 5.9 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

Instrument :

BNA_F

ClientSampleId :

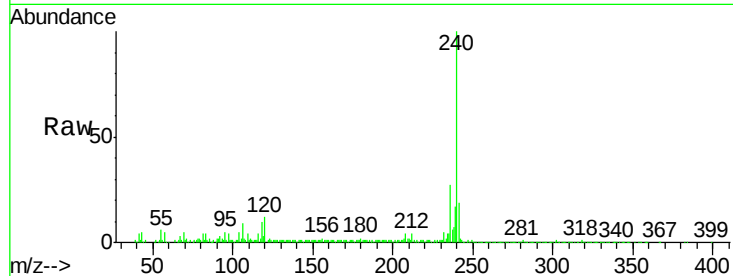
Tot Ion:240 Resp: 180458

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

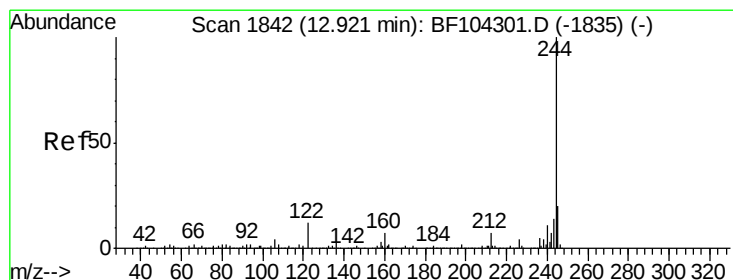
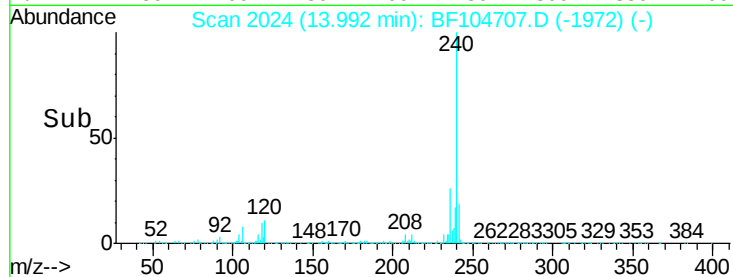
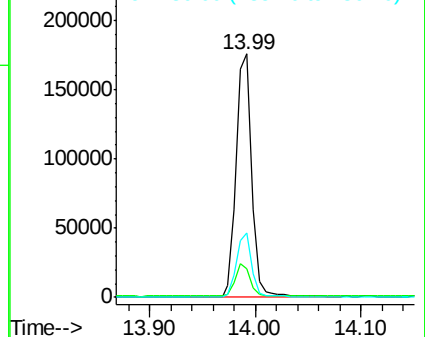
236 26.6 20.7 31.1



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: 57.886 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104707.D

Acq: 23 Apr 2018 14:14

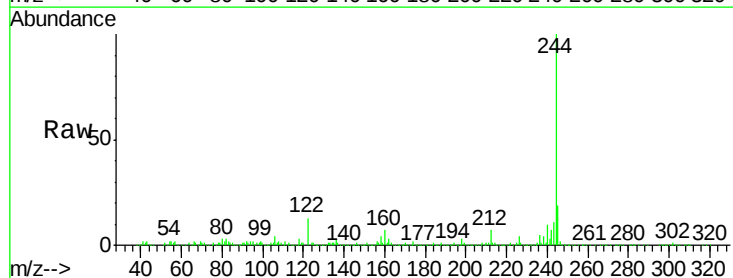
Tgt Ion:244 Resp: 458194

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

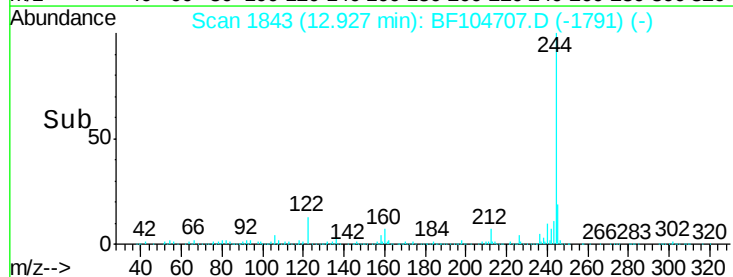
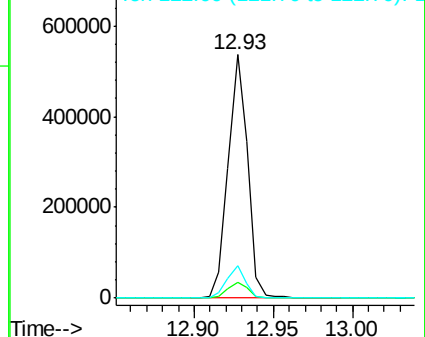
122 13.2 11.0 16.4

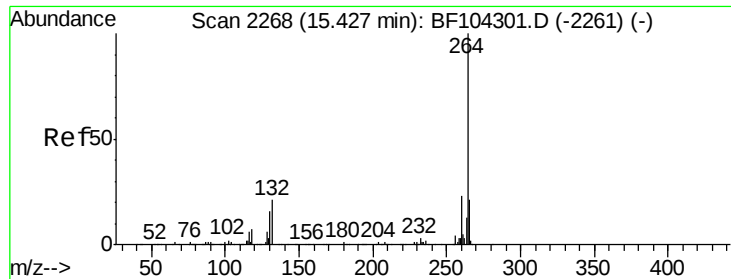


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

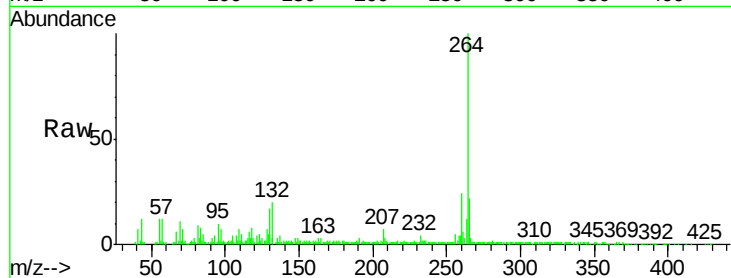




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104707.D
Acq: 23 Apr 2018 14:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	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

