

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104204.D
 Acq On : 4 Apr 2018 2:20
 Operator : JU/SJ
 Sample : J2182-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 03:15:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

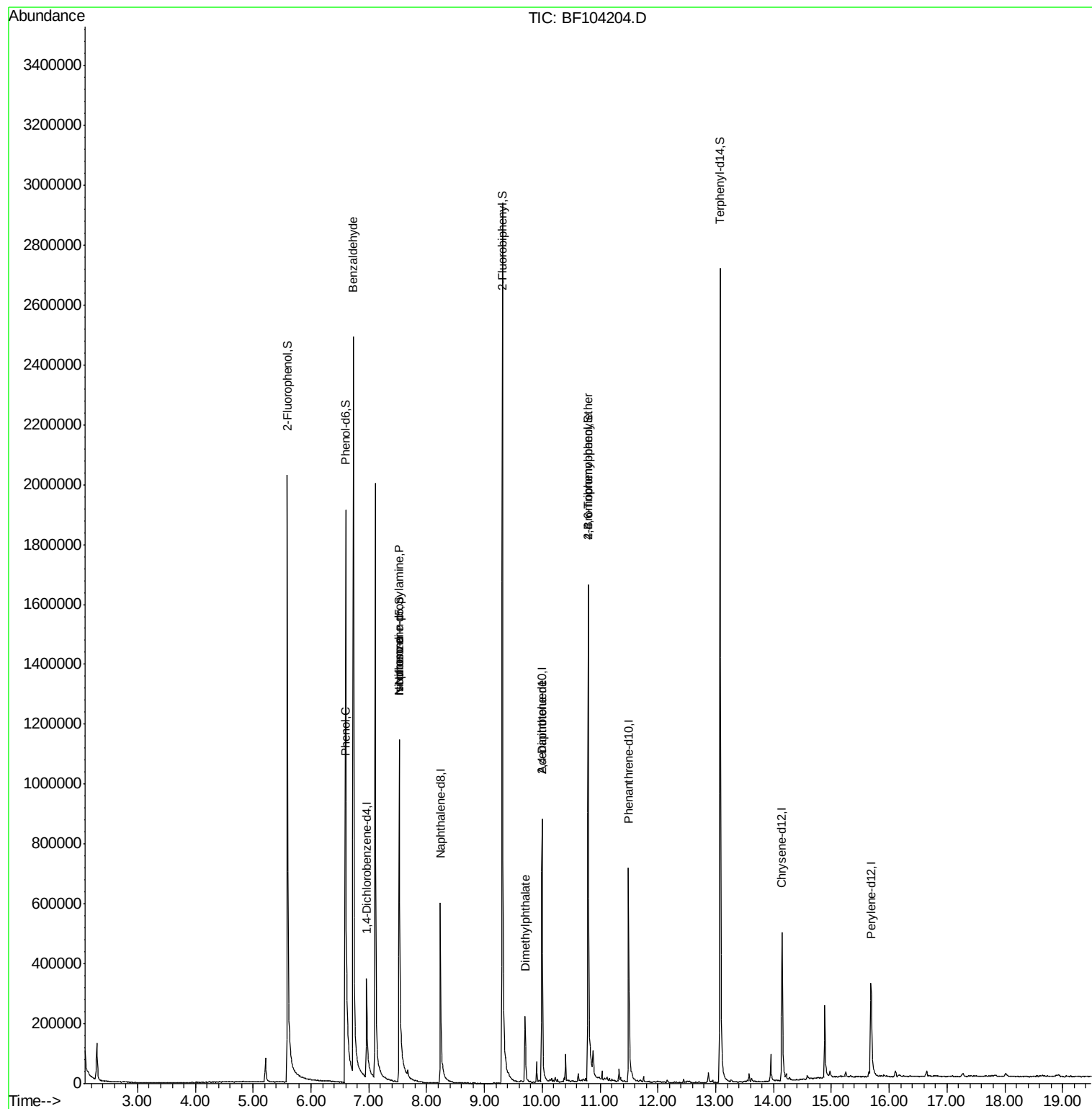
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	103965	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	456996	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	211347	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	386662	20.00	ng	0.00
75) Chrysene-d12	14.15	240	263739	20.00	ng	0.00
86) Perylene-d12	15.69	264	218461	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	893705	137.09	ng	0.00
7) Phenol-d6	6.60	99	1127291	140.55	ng	0.00
23) Nitrobenzene-d5	7.53	82	715350	95.73	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	301713	128.21	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1251847	93.40	ng	0.00
78) Terphenyl-d14	13.08	244	1150399	100.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.73	77	18686	3.044	ng	84
10) Phenol	6.61	94	23798	2.678	ng	# 24
19) n-Nitroso-di-n-propylamine	7.53	70	85345	17.930	ng	# 70
25) Isophorone	7.53	82	715350	51.944	ng	# 64
49) Dimethylphthalate	9.70	163	125770	7.537	ng	99
56) 2,4-Dinitrotoluene	10.00	165	25822	5.637	ng	# 24
66) 4-Bromophenyl-phenylether	10.79	248	17917	4.331	ng	# 1

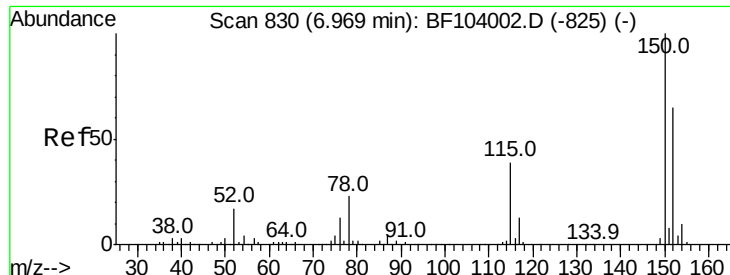
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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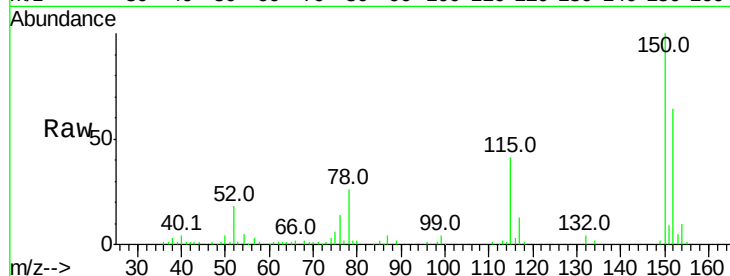


#1

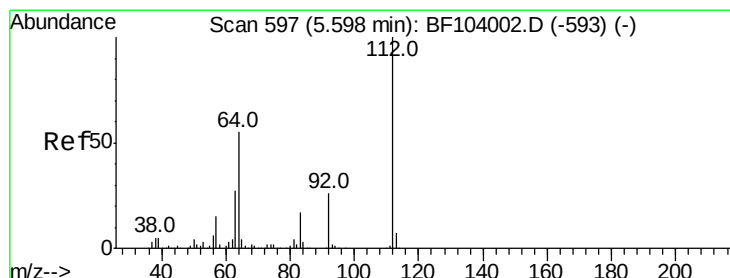
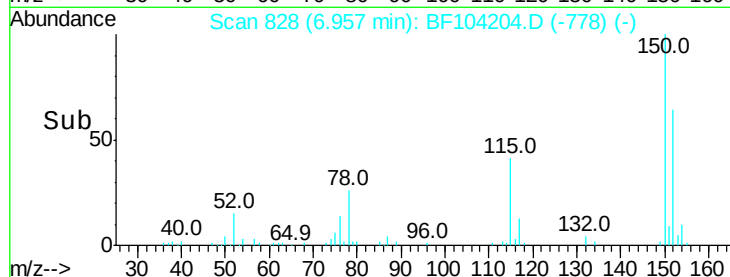
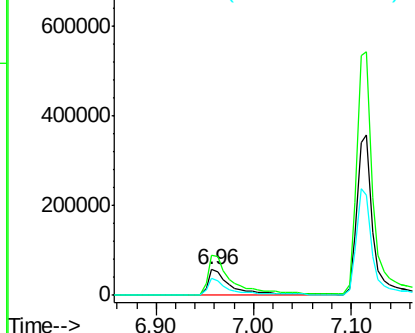
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	64.2	50.1	75.1



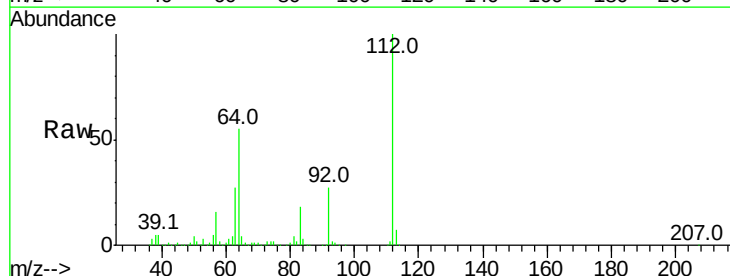
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



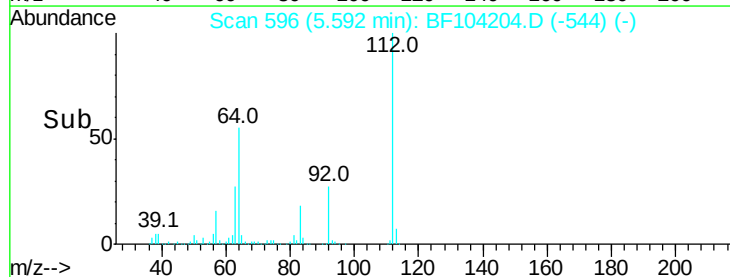
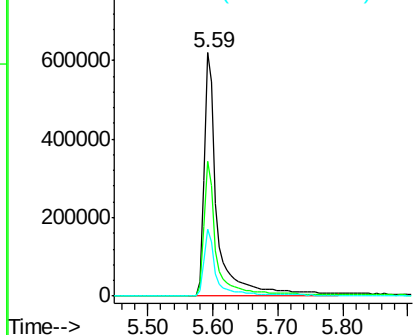
#5

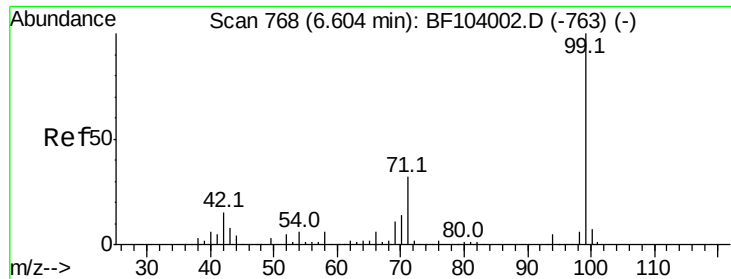
2-Fluorophenol
Concen: 137.088 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	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: 140.550 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Instrument :

BNA_F

ClientSampled :

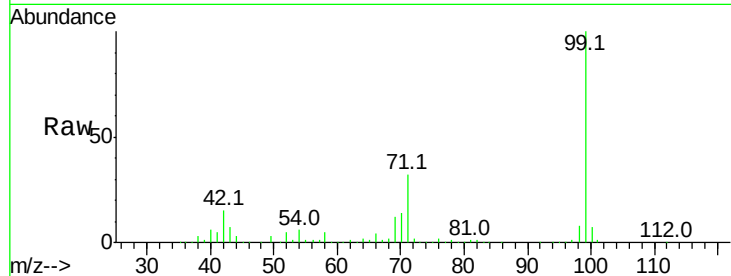
Tot Ion: 99 Resp: 1127291

Ion Ratio Lower Upper

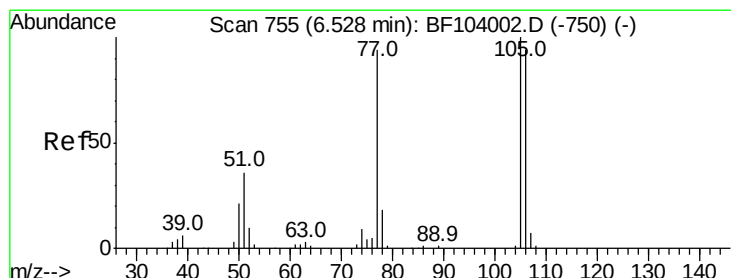
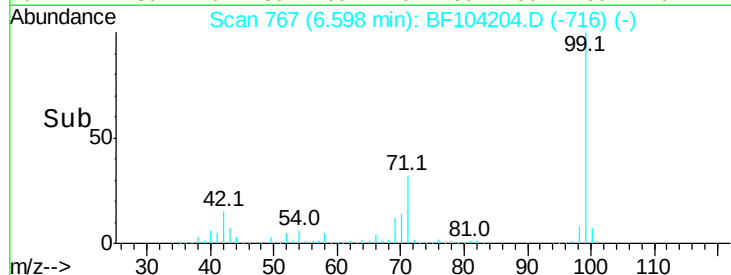
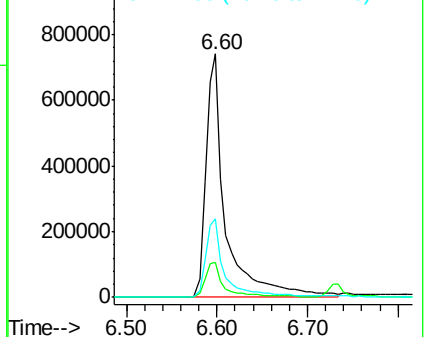
99 100

42 14.6 14.5 21.7

71 32.0 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: 3.044 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.21 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

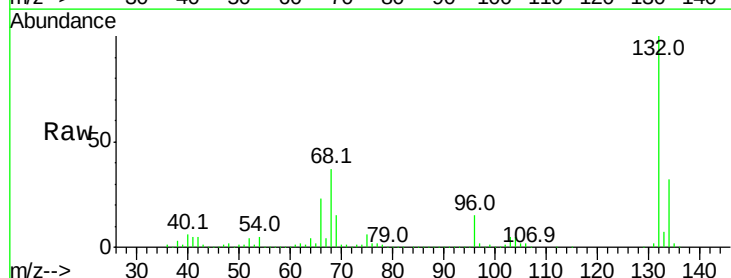
Tgt Ion: 77 Resp: 18686

Ion Ratio Lower Upper

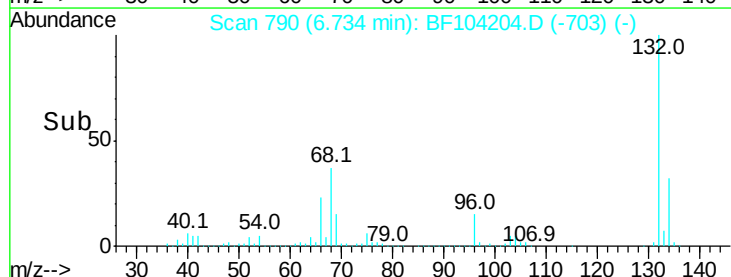
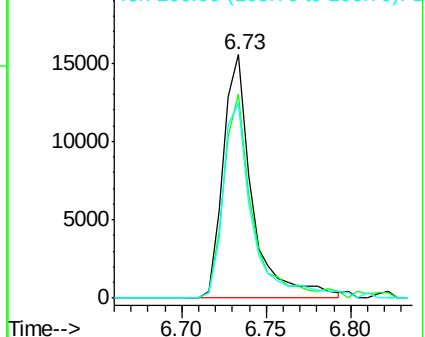
77 100

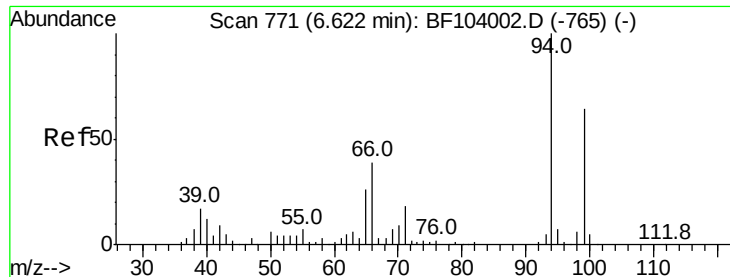
105 83.9 81.1 121.1

106 80.1 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





#10

Phenol

Concen: 2.678 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Instrument :

BNA_F

ClientSampled :

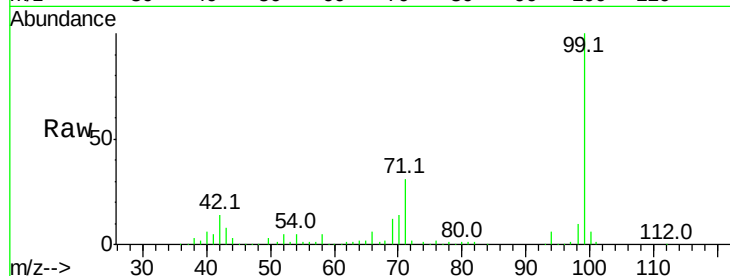
Tot Ion: 94 Resp: 23798

Ion Ratio Lower Upper

94 100

65 41.8 7.9 47.9

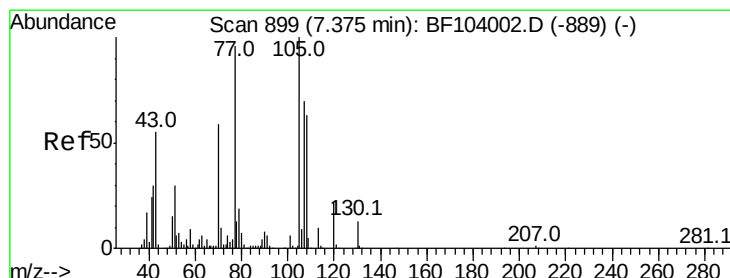
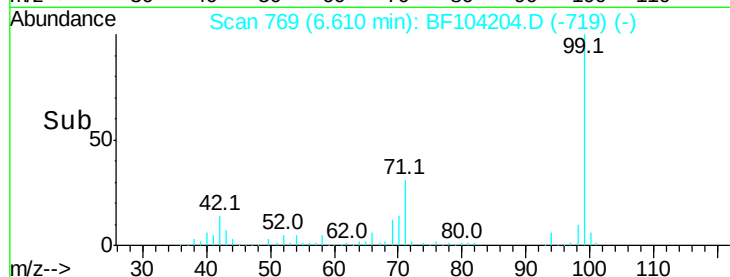
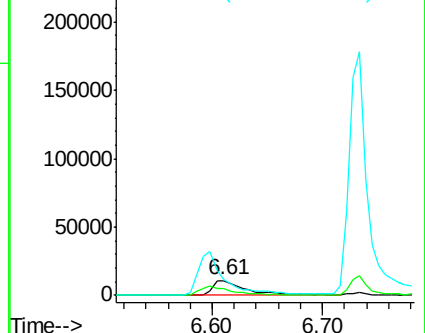
66 103.2 16.2 56.2#



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: 17.930 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.16 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Tgt Ion: 70 Resp: 85345

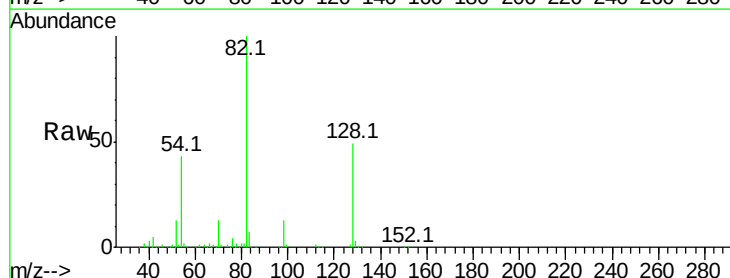
Ion Ratio Lower Upper

70 100

42 38.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

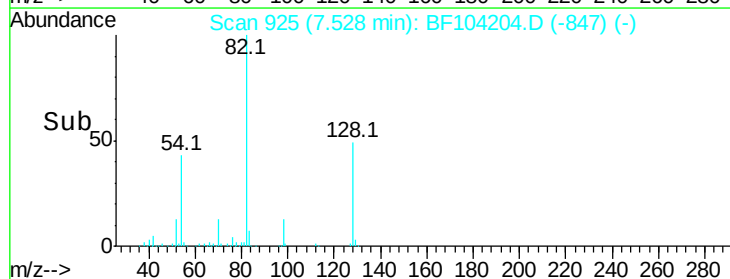
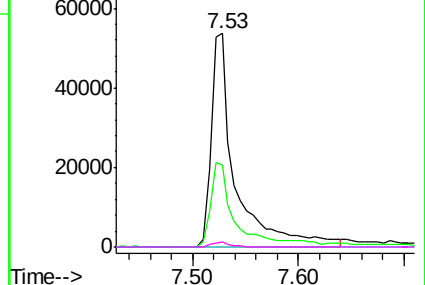


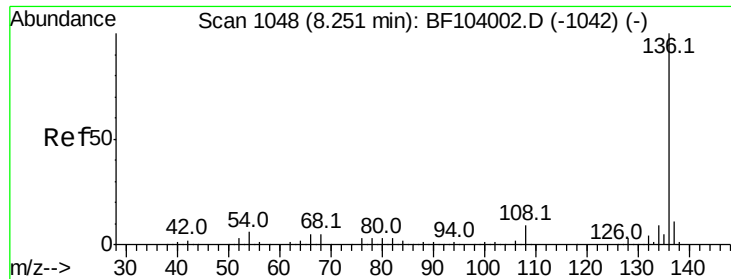
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 456996

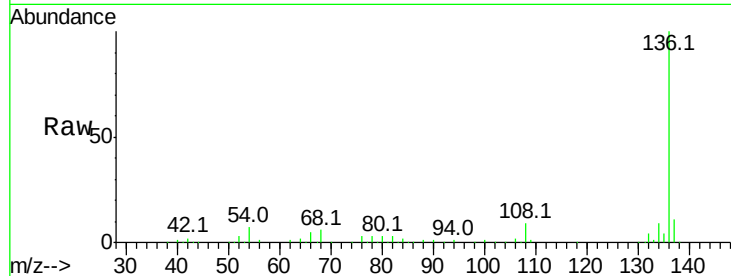
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.5 6.6 9.8#

68 5.5 5.0 7.4

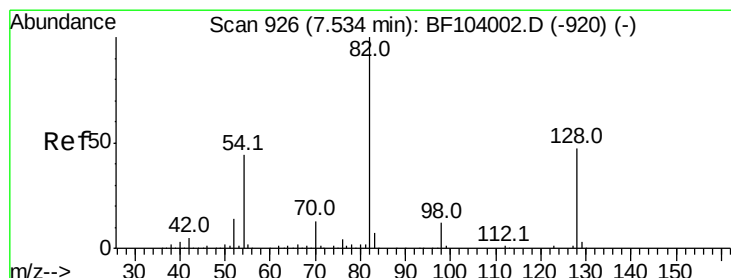
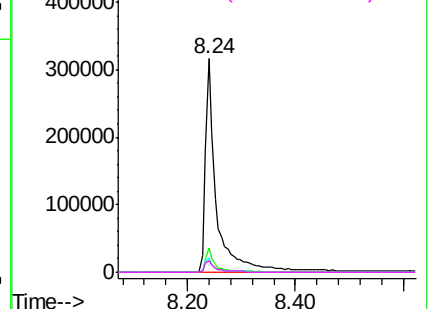
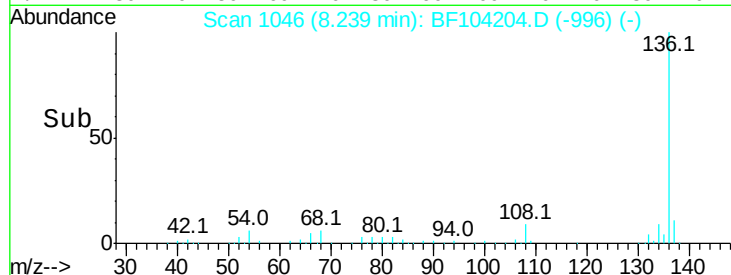


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.729 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

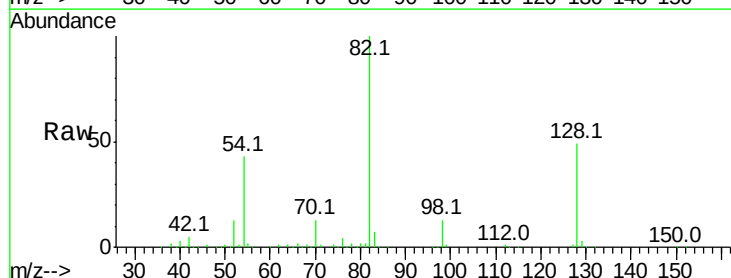
Tgt Ion: 82 Resp: 715350

Ion Ratio Lower Upper

82 100

128 49.1 36.1 54.1

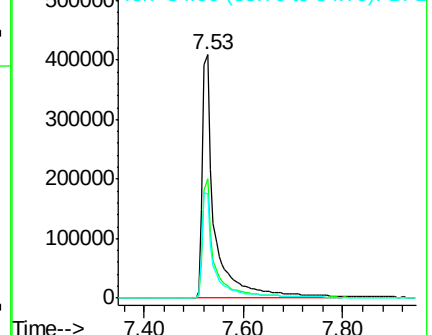
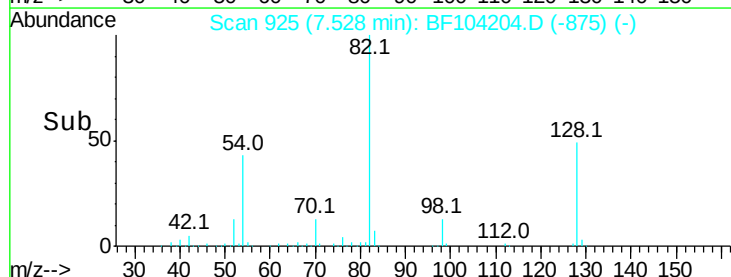
54 42.9 41.4 62.2

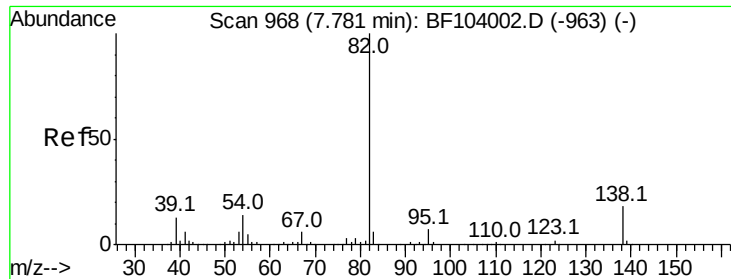


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.944 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Instrument :

BNA_F

ClientSampleId :

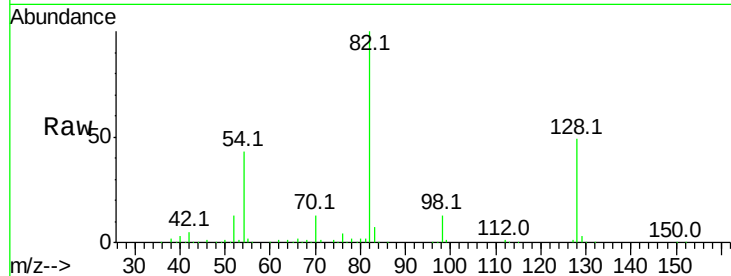
Tot Ion: 82 Resp: 715350

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

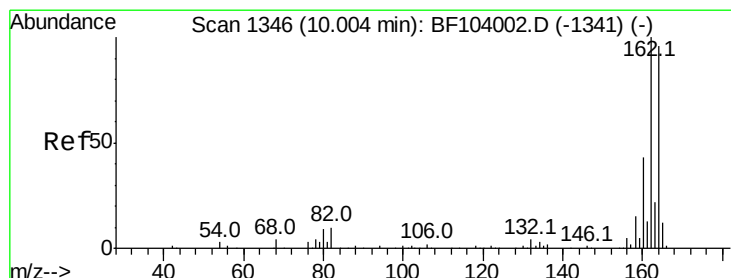
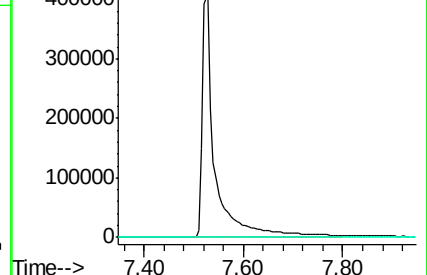
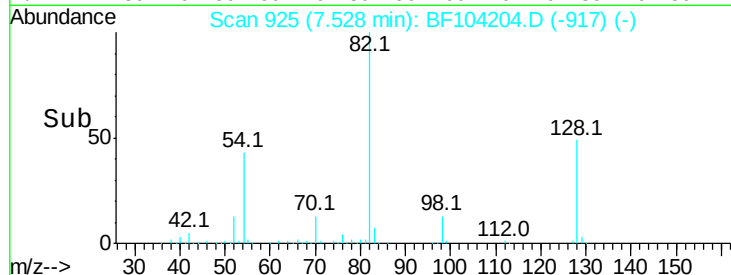
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

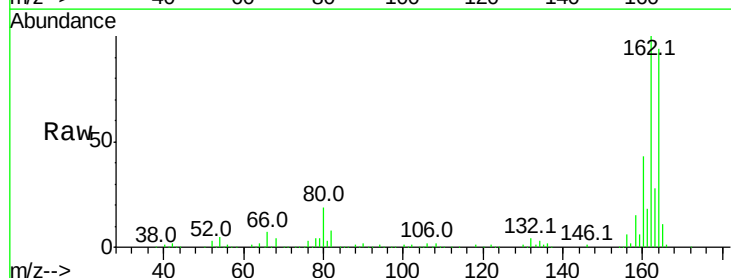
Tgt Ion:164 Resp: 211347

Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

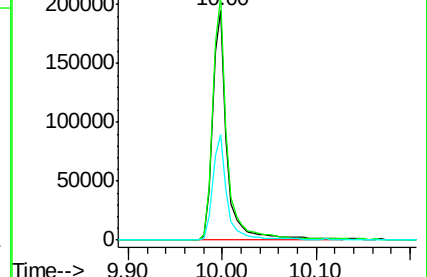
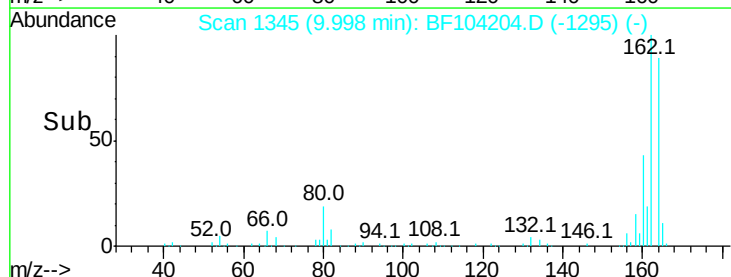
160 45.8 38.3 57.5

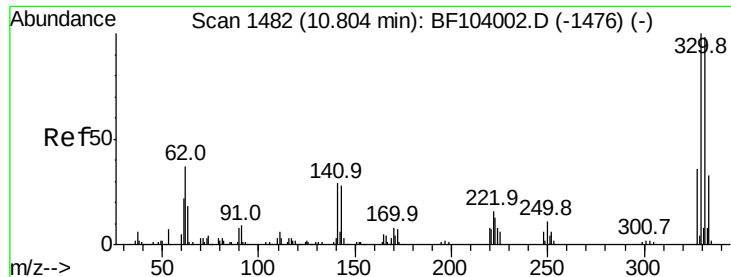


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

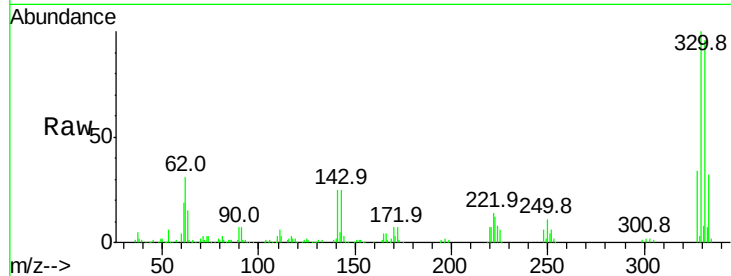




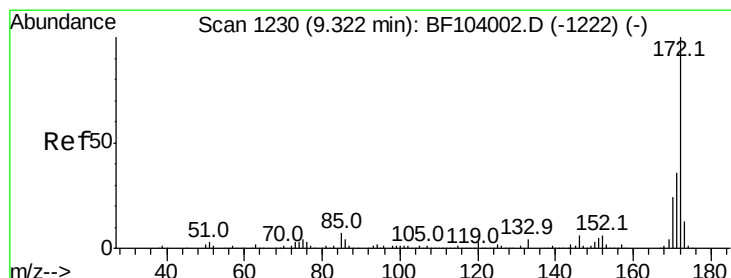
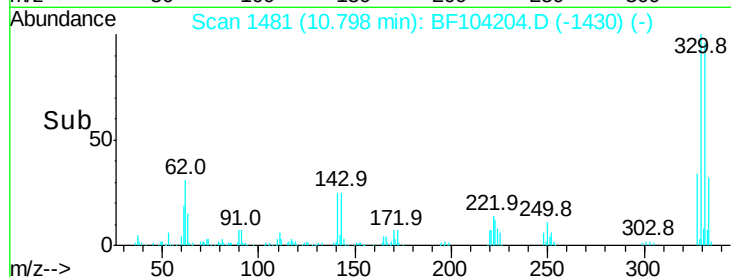
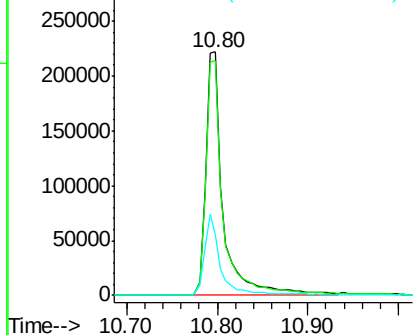
#41
 2,4,6-Tribromophenol
 Concen: 128.206 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104204.D
 Acq: 4 Apr 2018 2:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 301713
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 31.3 29.9 44.9

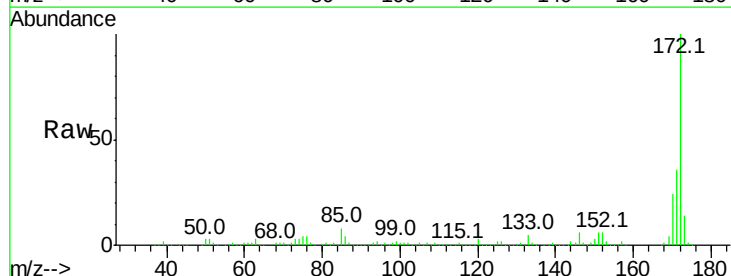


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

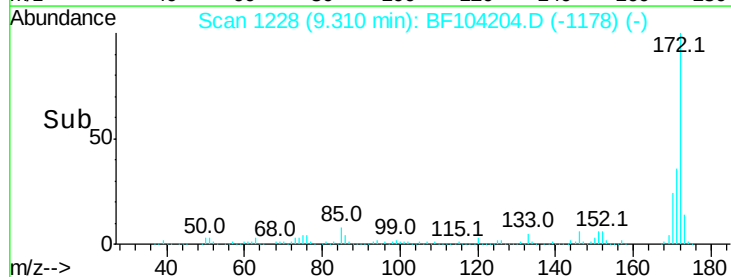
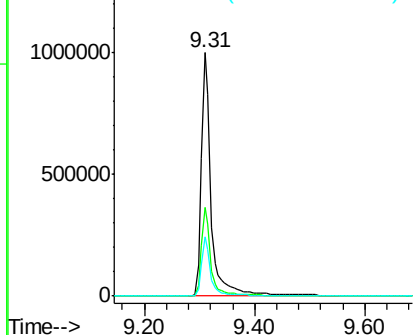


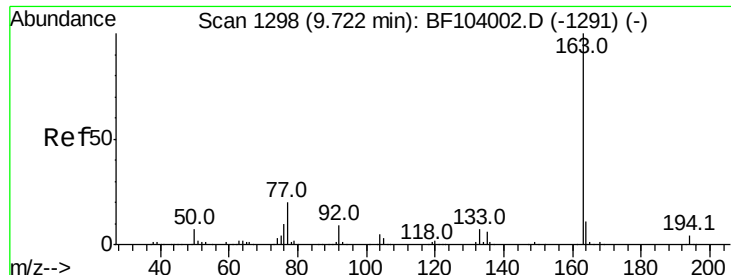
#44
 2-Fluorobiphenyl
 Concen: 93.404 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104204.D
 Acq: 4 Apr 2018 2:20

Tgt Ion:172 Resp: 1251847
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.4 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

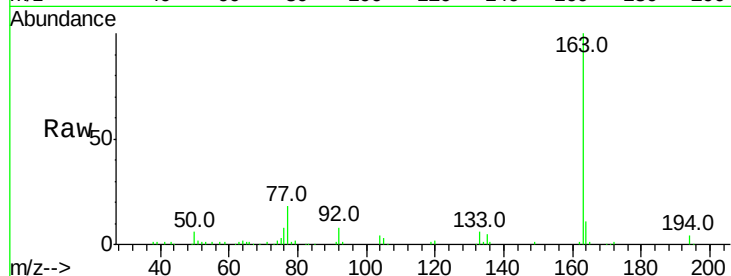




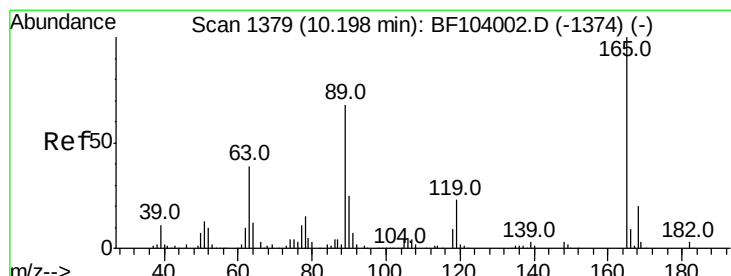
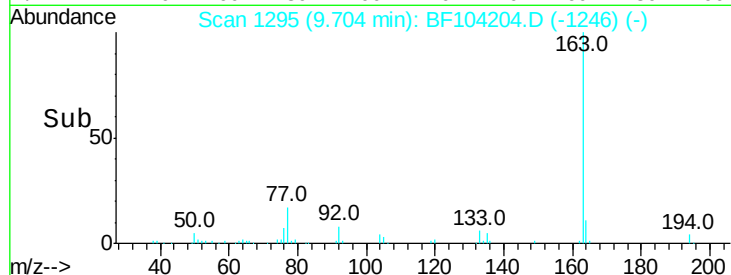
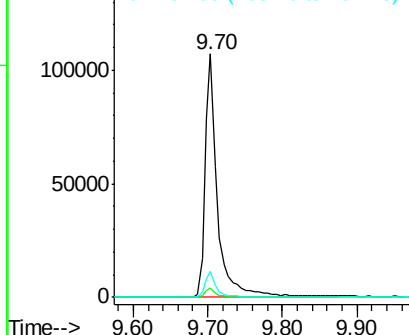
#49
Dimethylphthalate
Concen: 7.537 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 125770
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.8 8.2 12.2

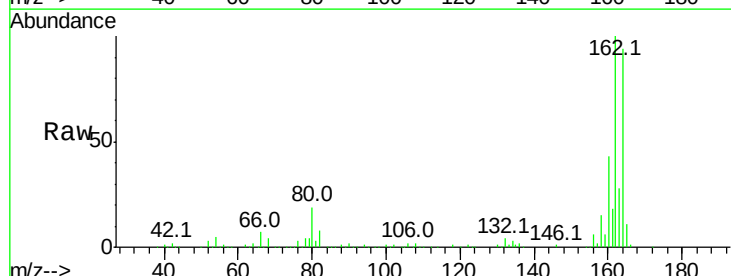


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

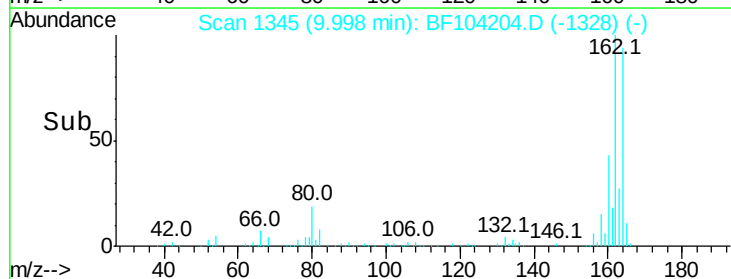
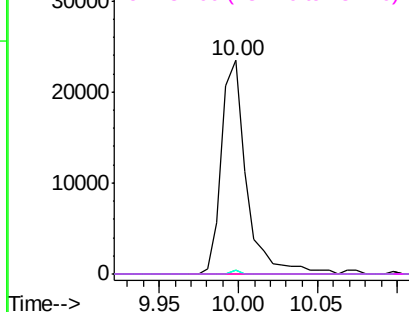


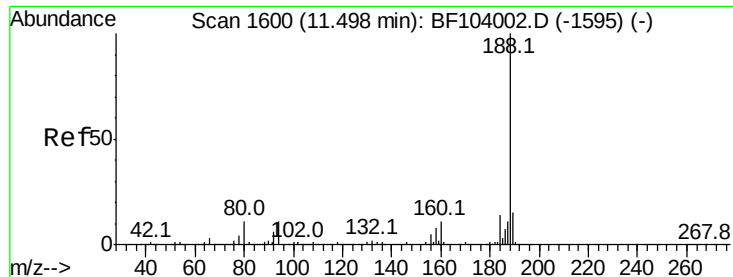
#56
2,4-Dinitrotoluene
Concen: 5.637 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

Tgt Ion:165 Resp: 25822
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.7 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

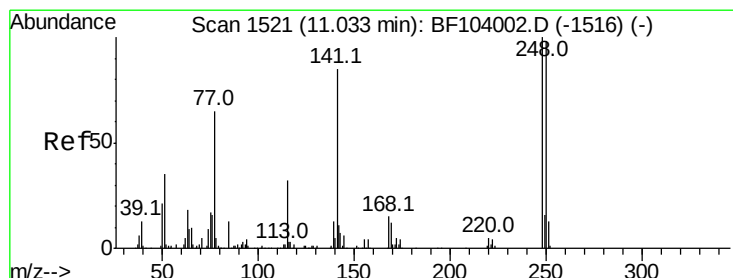
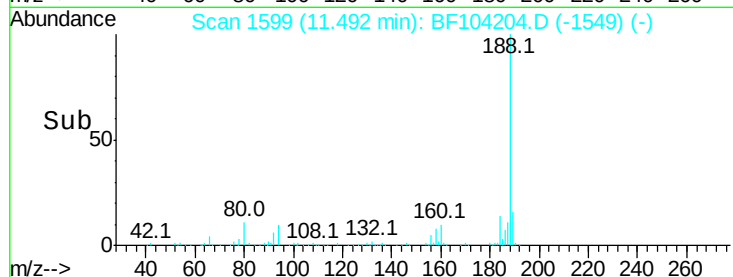
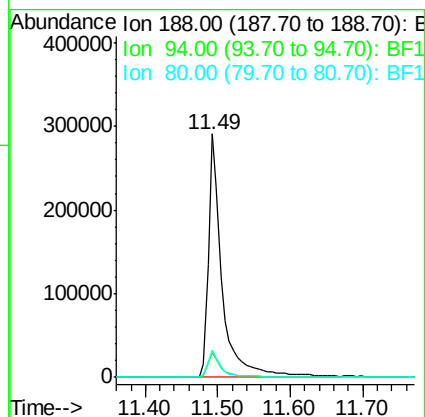
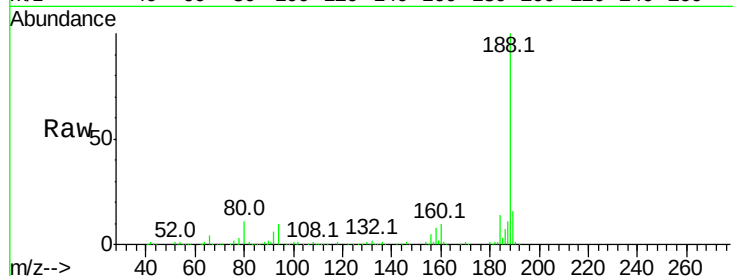




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

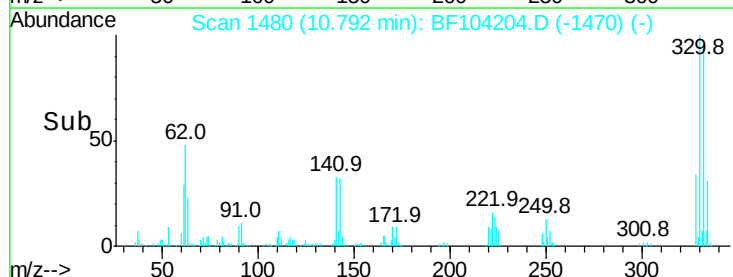
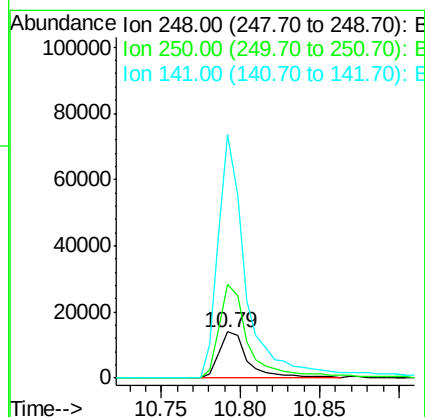
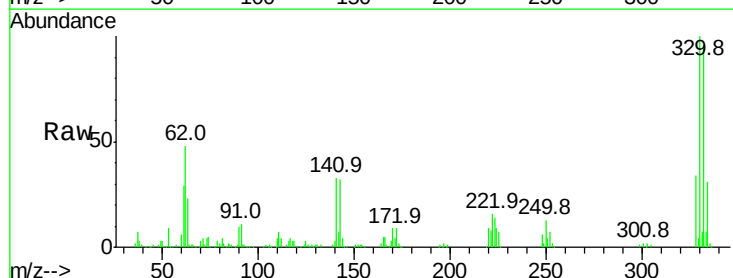
Instrument :
BNA_F
ClientSampleId :

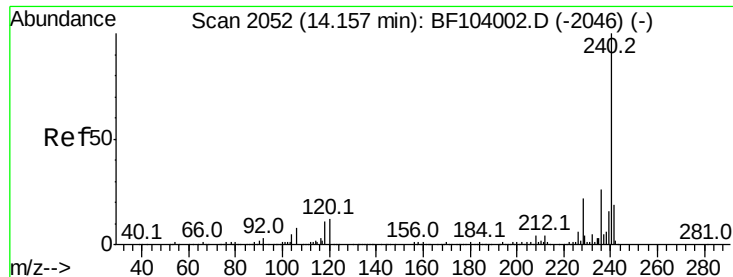
Tot Ion:188 Resp: 386662
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.331 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104204.D
Acq: 4 Apr 2018 2:20

Tgt Ion:248 Resp: 17917
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 524.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

Instrument :

BNA_F

ClientSampled :

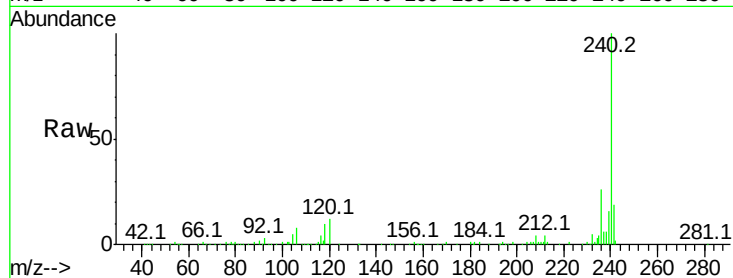
Tot Ion:240 Resp: 263739

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

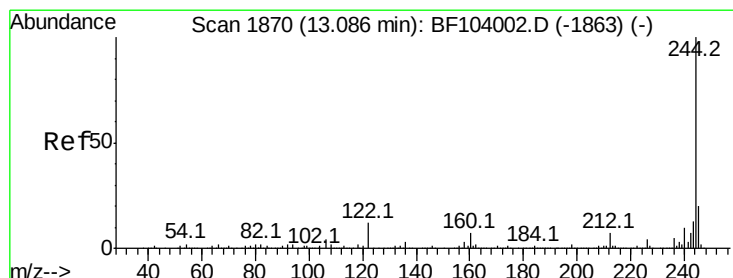
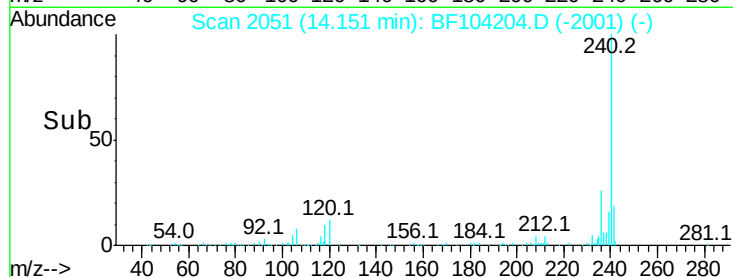
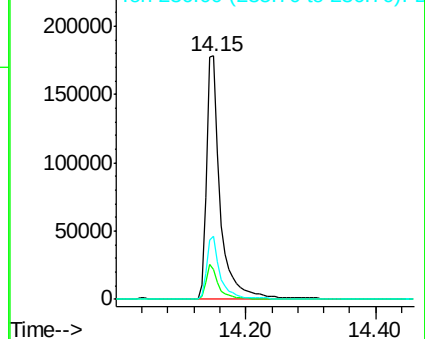
236 26.0 20.7 31.1



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: 100.714 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104204.D

Acq: 4 Apr 2018 2:20

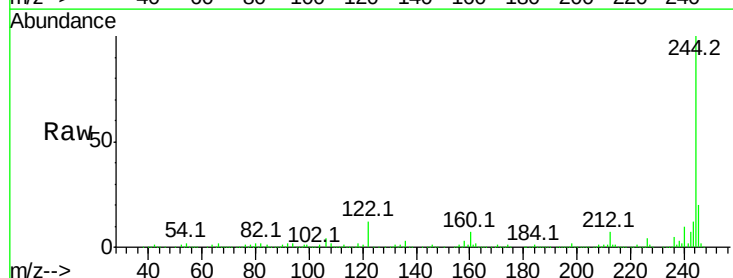
Tgt Ion:244 Resp: 1150399

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

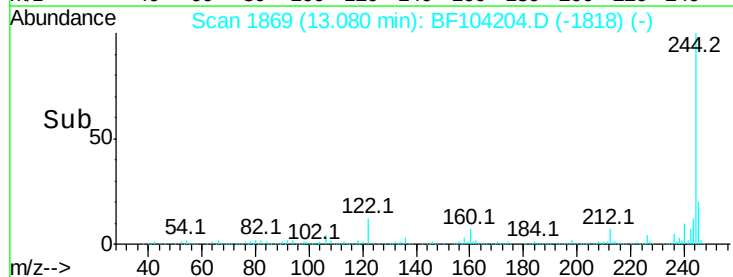
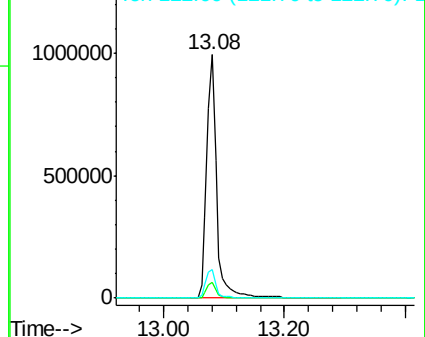
122 12.0 11.0 16.4

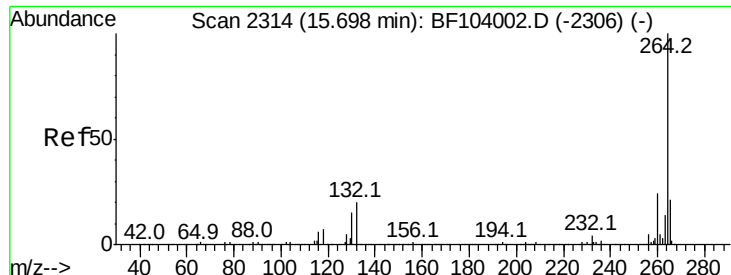


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

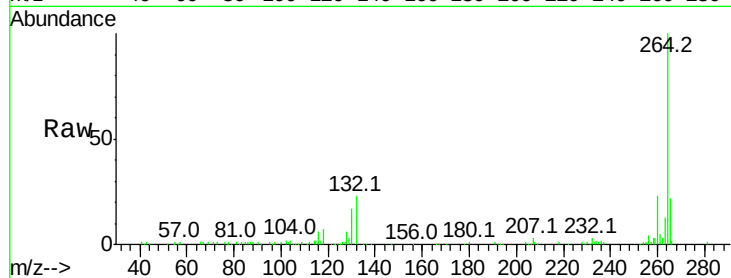




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF104204.D
 Acq: 4 Apr 2018 2:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.1	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

