

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104765.D
 Acq On : 24 Apr 2018 19:14
 Operator : JU/SJ
 Sample : J2504-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:58:22 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

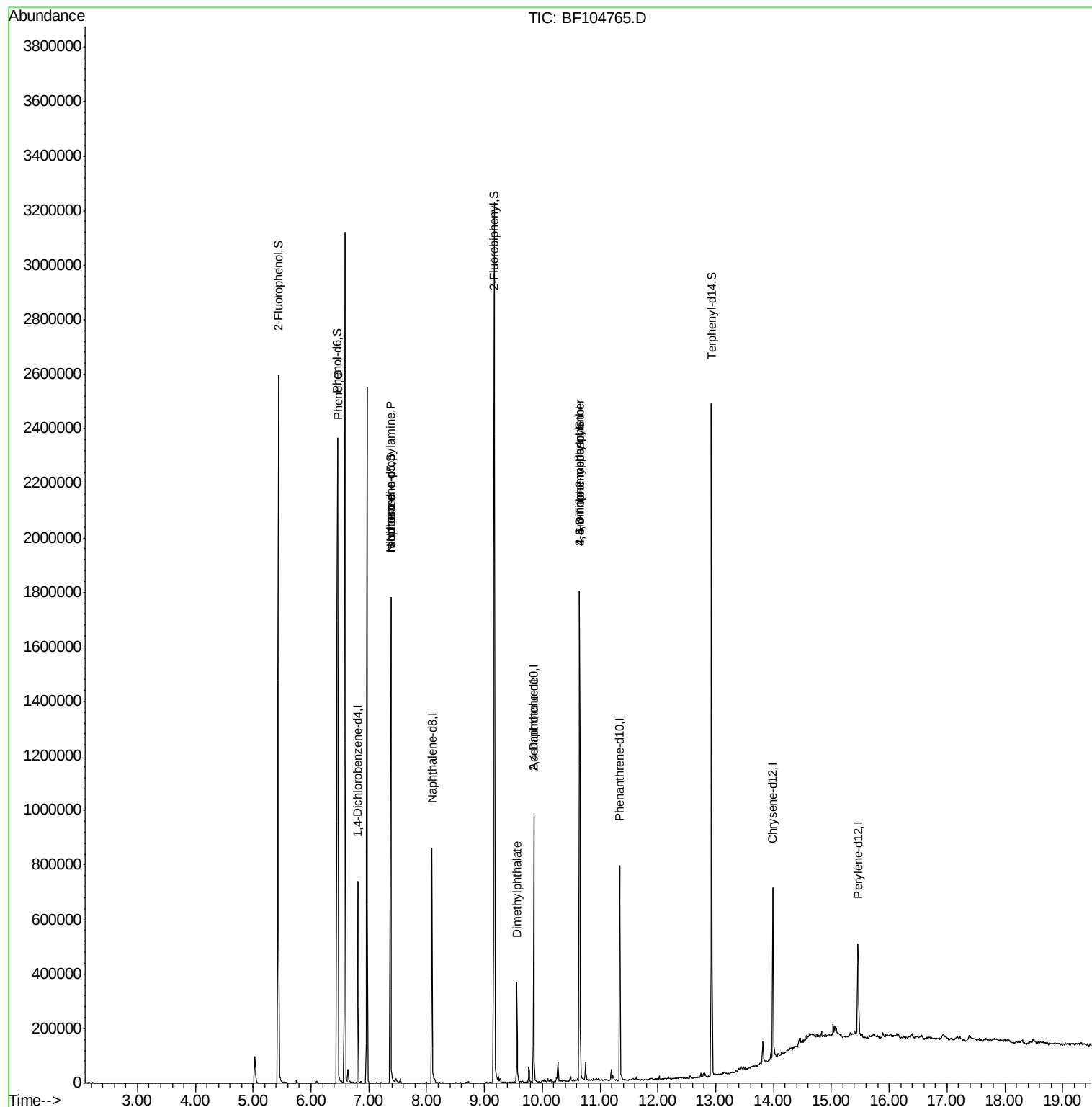
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	98848	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	406245	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	176958	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	286887	20.00	ng	0.00
75) Chrysene-d12	13.99	240	226336	20.00	ng	0.00
86) Perylene-d12	15.46	264	156499	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	839100	129.80	ng	0.02
7) Phenol-d6	6.46	99	1033260	130.09	ng	0.01
23) Nitrobenzene-d5	7.38	82	621559	99.91	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	233238	127.06	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1064380	95.02	ng	0.00
78) Terphenyl-d14	12.93	244	900198	90.67	ng	0.01
Target Compounds						
9) Benzaldehyde	6.46	77	1655	Below Cal	Qvalue	# 1
10) Phenol	6.47	94	22046	2.616 ng		93
19) n-Nitroso-di-n-propylamine	7.38	70	82259	15.848 ng	#	71
25) Isophorone	7.38	82	621552	47.245 ng	#	64
49) Dimethylphthalate	9.56	163	149608	10.721 ng		100
56) 2,4-Dinitrotoluene	9.85	165	22127	6.533 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.65	198	314	7.537 ng	#	1
66) 4-Bromophenyl-phenylether	10.65	248	14504	4.753 ng	#	1
76) Benzidine	12.93	184	12033	Below Cal		95

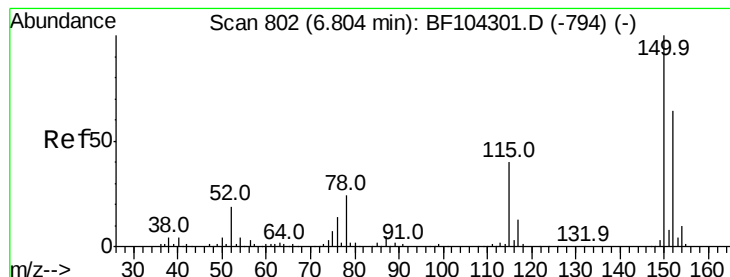
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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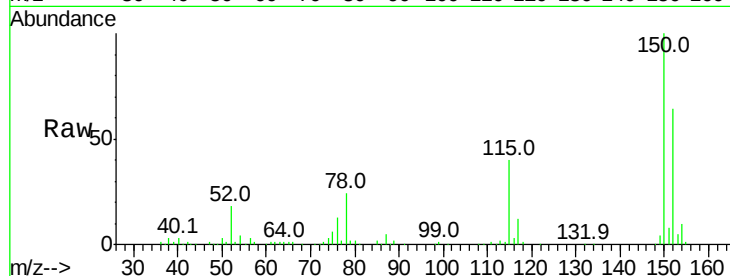


#1

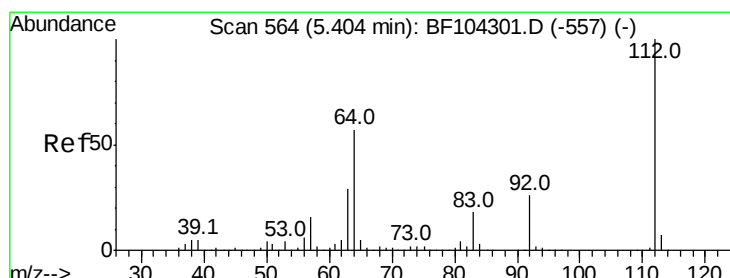
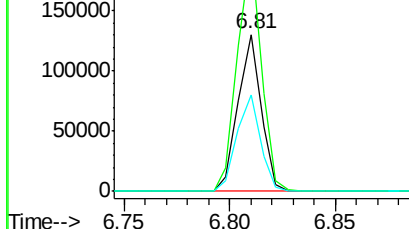
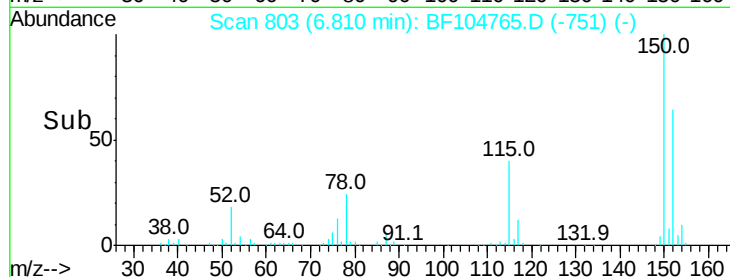
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104765.D
Acq: 24 Apr 2018 19:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 98848
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 61.7 50.1 75.1



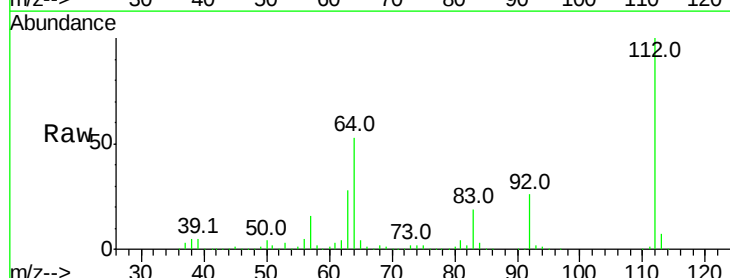
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



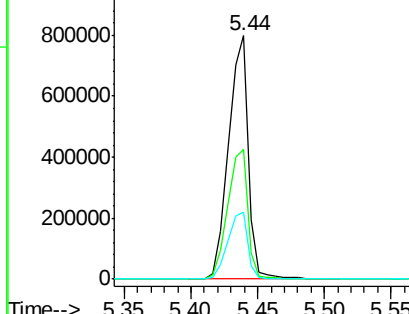
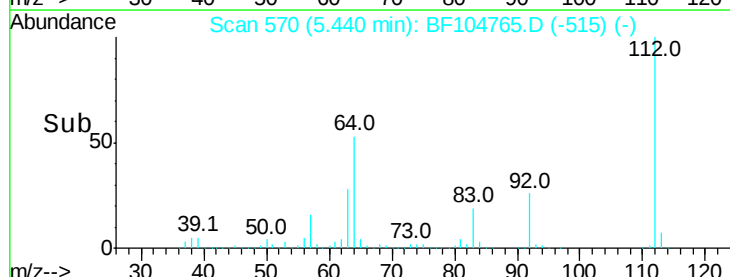
#5

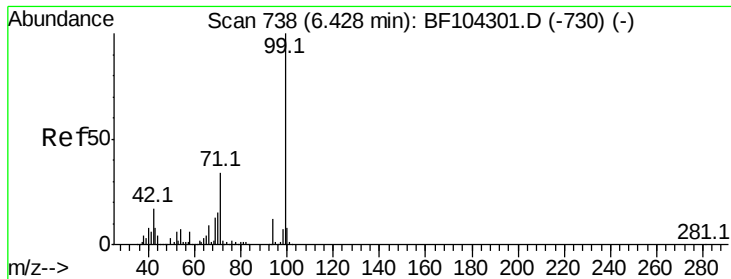
2-Fluorophenol
Concen: 129.798 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104765.D
Acq: 24 Apr 2018 19:14

Tgt Ion:112 Resp: 839100
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 27.8 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: 130.085 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

Instrument :

BNA_F

ClientSampled :

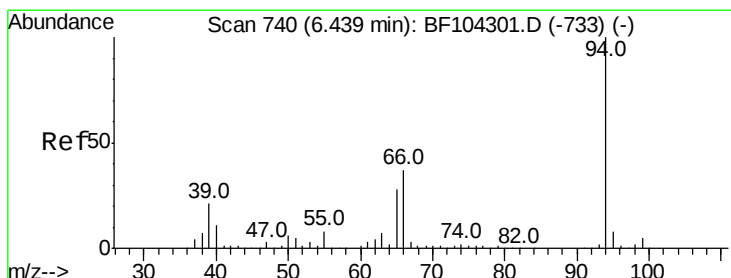
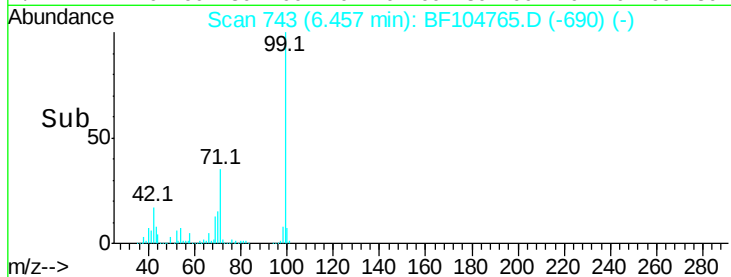
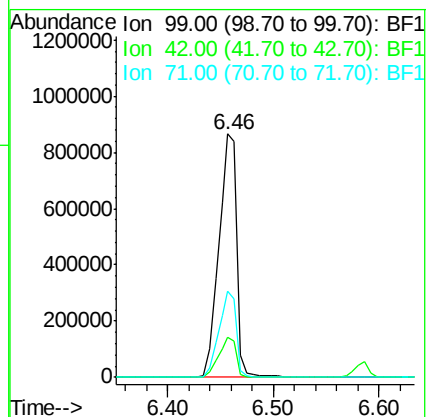
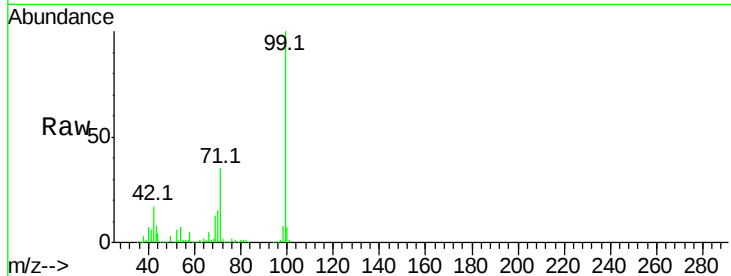
Tot Ion: 99 Resp: 1033260

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 35.5 25.4 38.0



#10

Phenol

Concen: 2.616 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

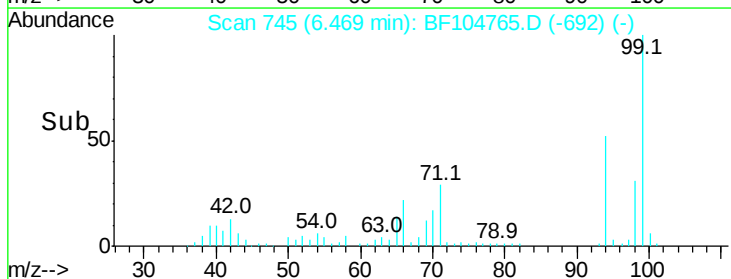
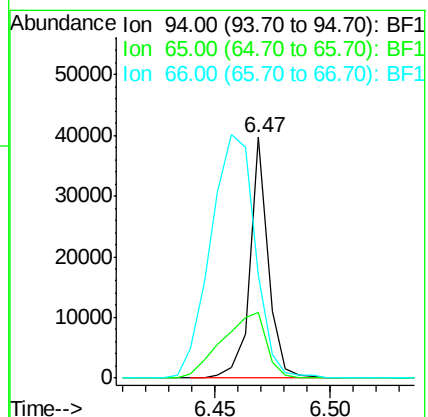
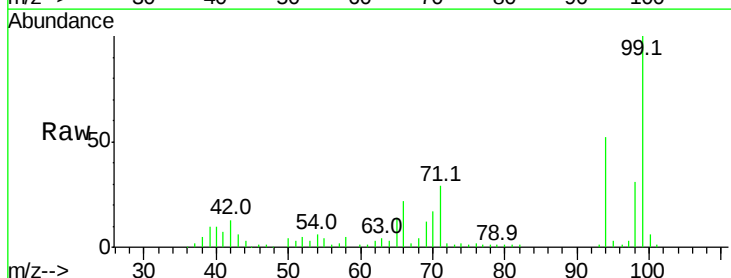
Tgt Ion: 94 Resp: 22046

Ion Ratio Lower Upper

94 100

65 27.5 7.9 47.9

66 42.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 15.848 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.16 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82259

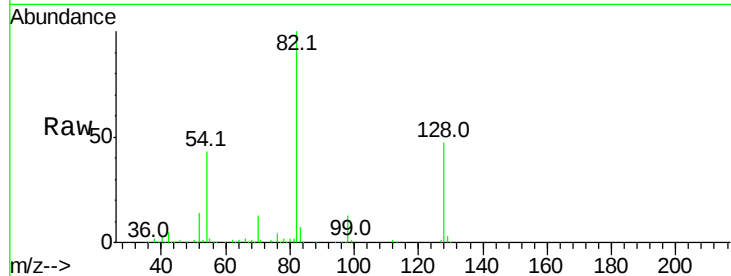
Ion Ratio Lower Upper

70 100

42 39.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

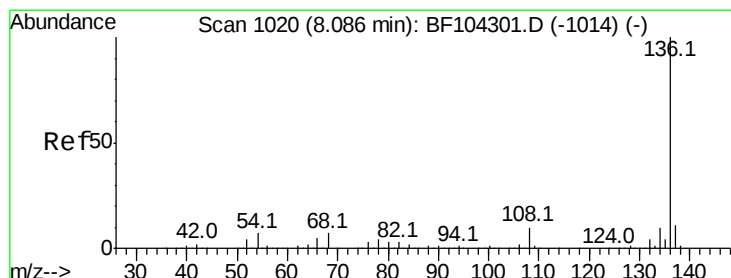
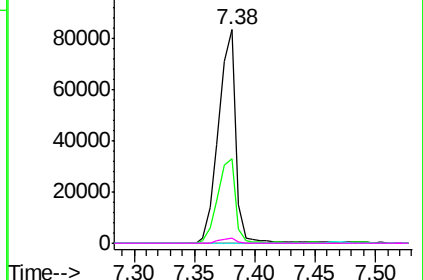
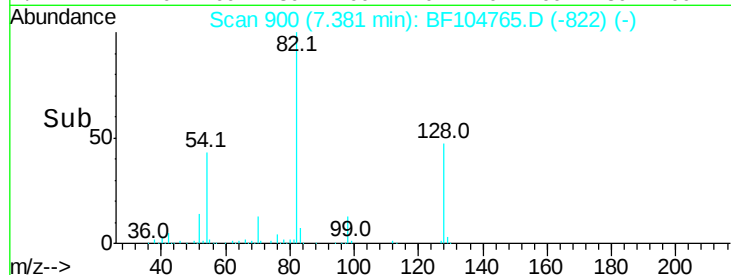


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1021

Delta R.T. -0.00 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

Tgt Ion:136 Resp: 406245

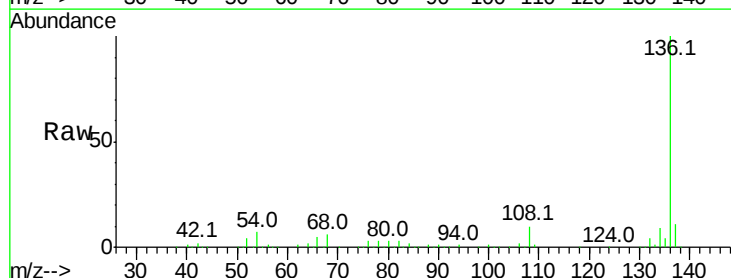
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.9 6.6 9.8

68 5.6 5.0 7.4

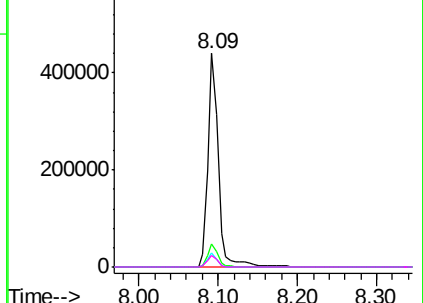
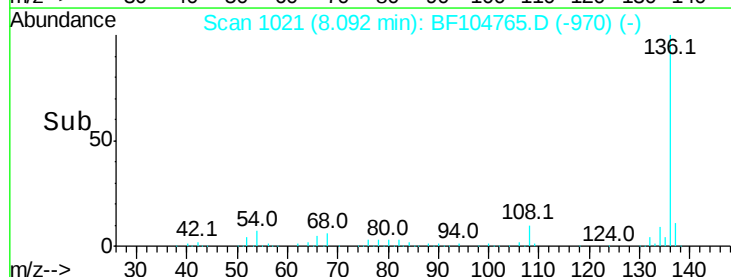


Abundance Ion 136.00 (135.70 to 136.70): BF1

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

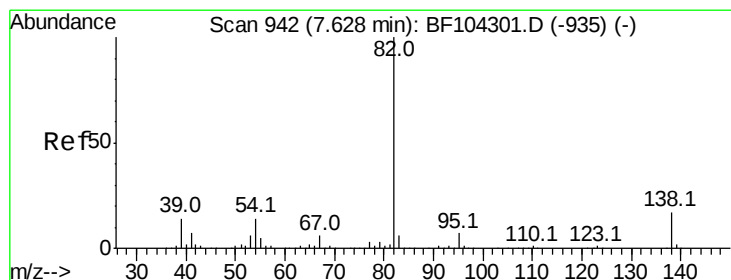
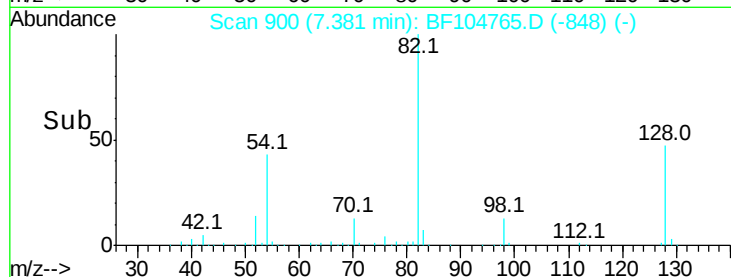
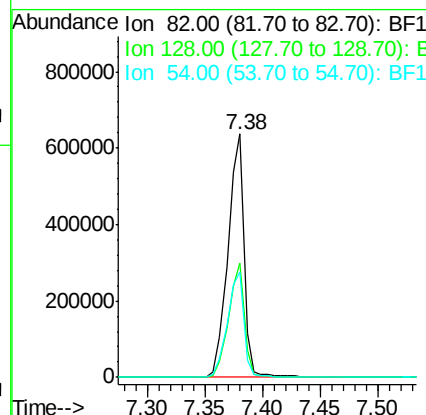
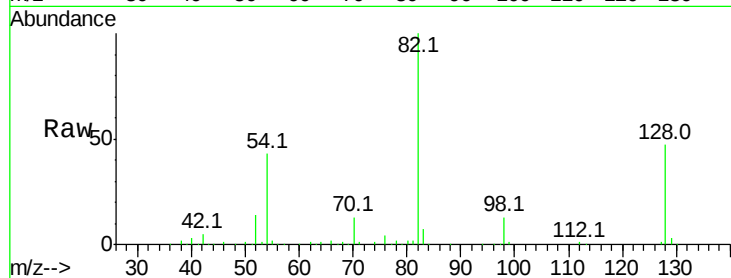




#23
 Nitrobenzene-d5
 Concen: 99.907 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

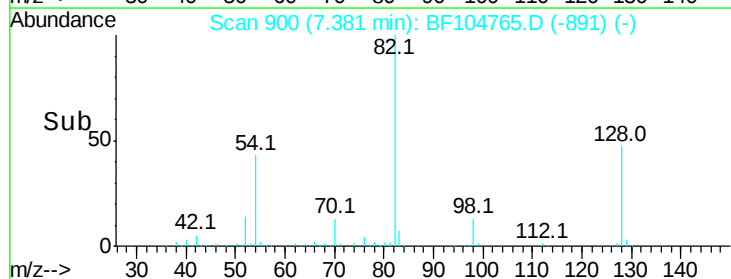
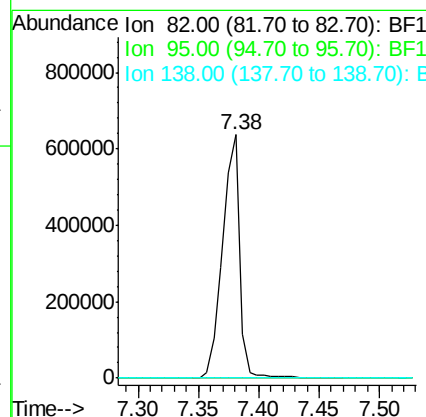
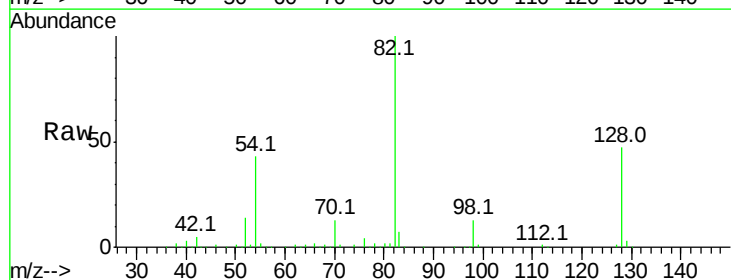
Instrument :
 BNA_F
 ClientSampleId :

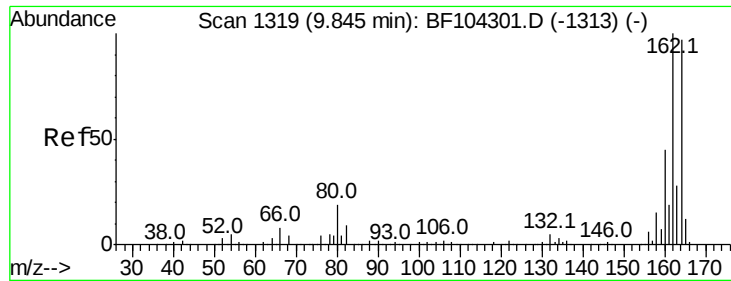
Tot Ion	82	Resp	621559
Ion Ratio	100	Lower	Upper
128	47.2	36.1	54.1
54	43.4	41.4	62.2



#25
 Isophorone
 Concen: 47.245 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.25 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Tgt Ion	82	Resp	621552
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

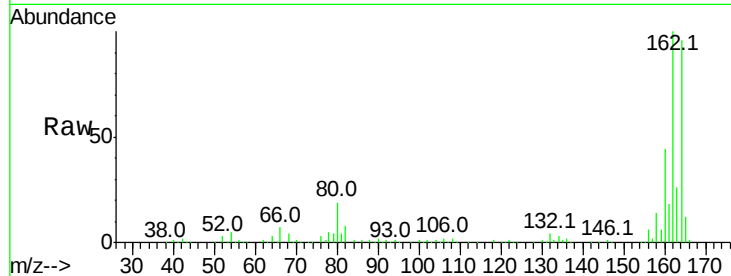




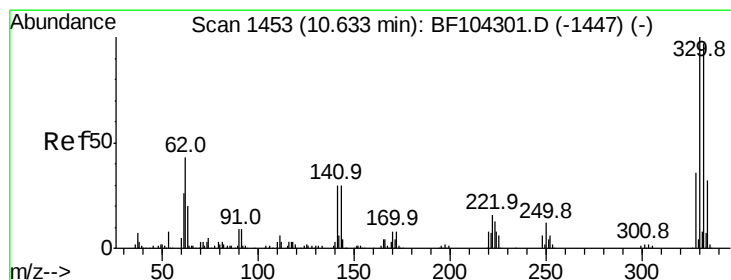
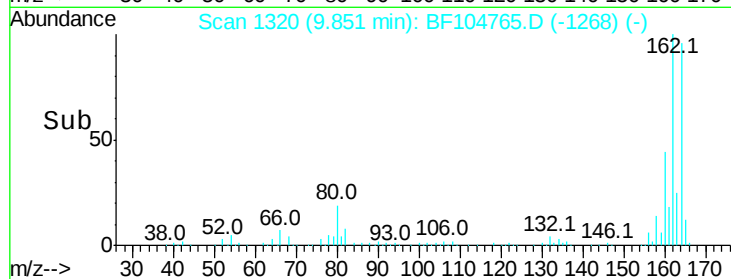
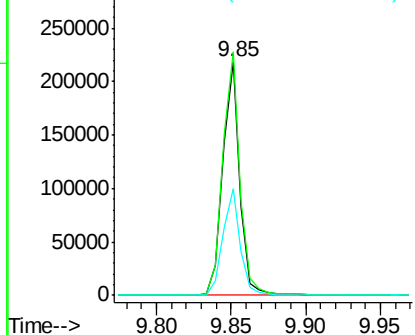
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 176958
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.6 38.3 57.5

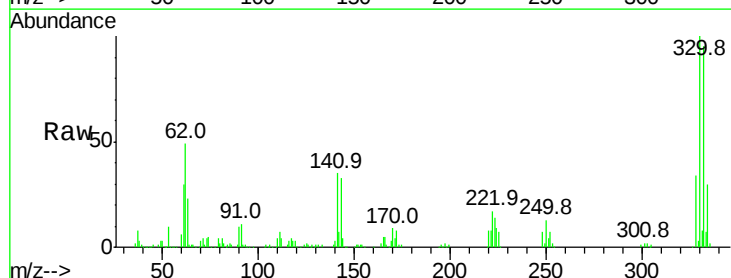


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

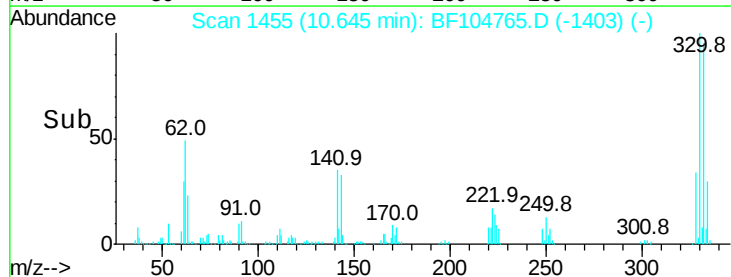
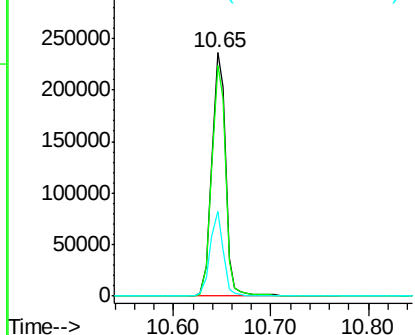


#41
 2,4,6-Tribromophenol
 Concen: 127.061 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Tgt Ion:330 Resp: 233238
 Ion Ratio Lower Upper
 330 100
 332 95.3 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



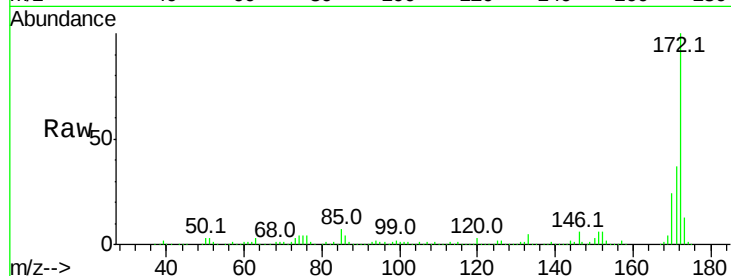


#44
 2-Fluorobiphenyl
 Concen: 95.020 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

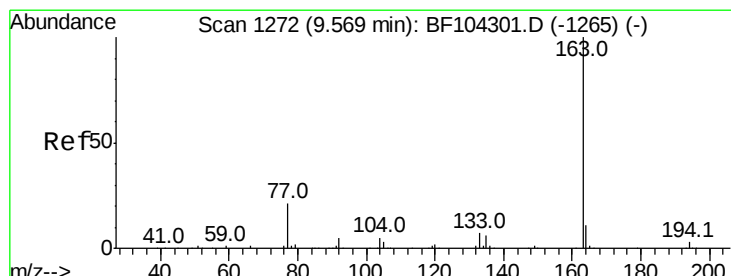
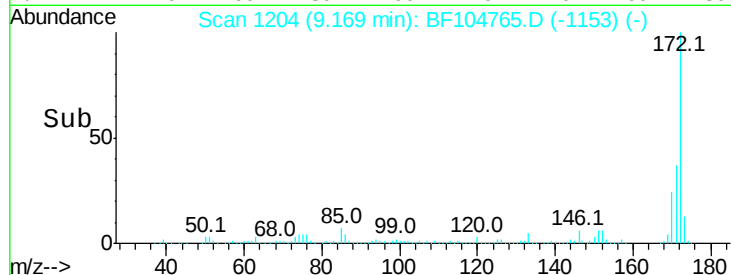
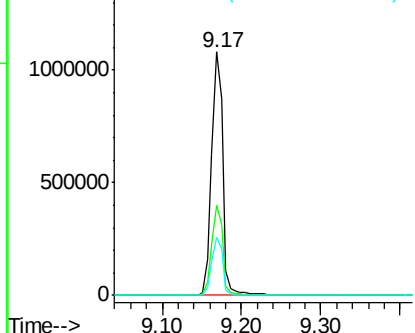
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1064380

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.1	19.6	29.4



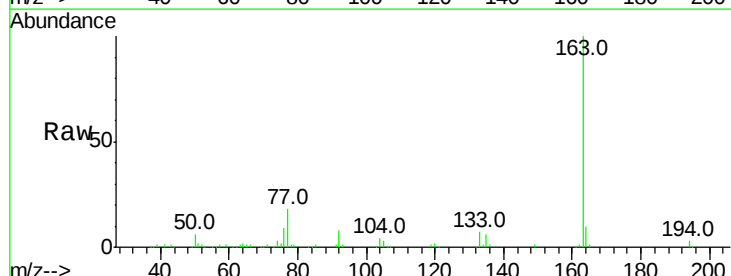
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



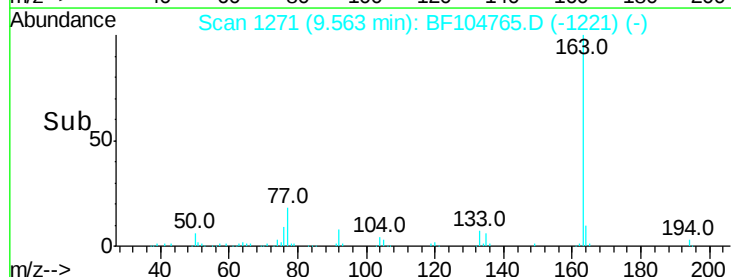
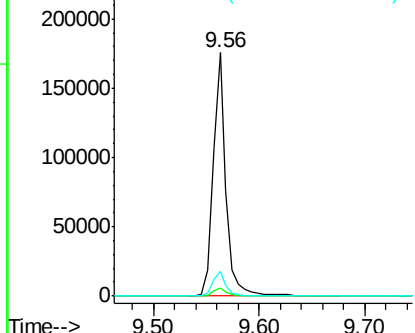
#49
 Dimethylphthalate
 Concen: 10.721 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Tgt Ion:163 Resp: 149608

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.1	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

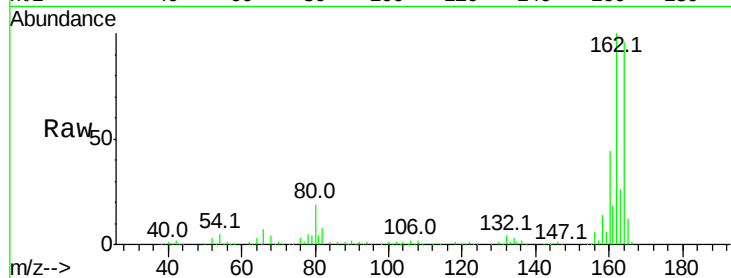




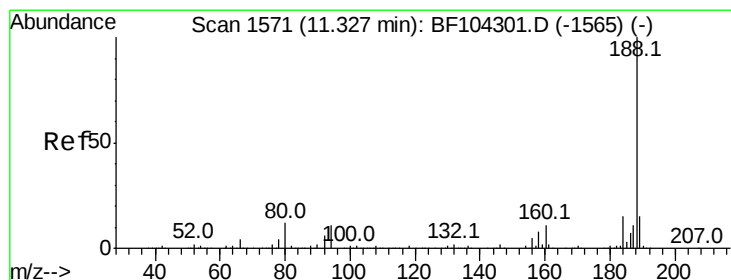
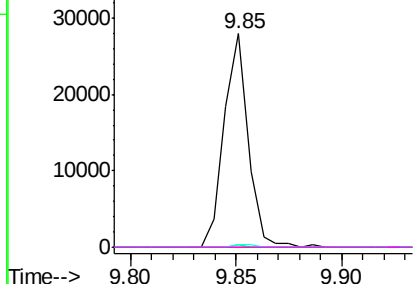
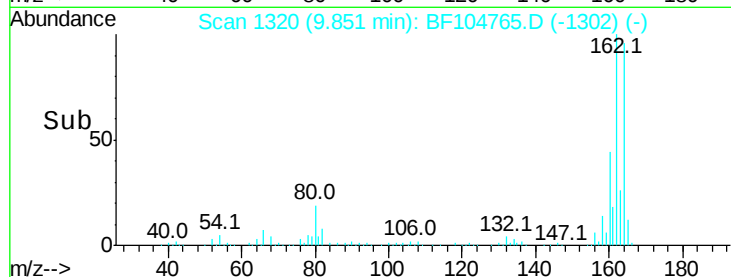
#56
2,4-Dinitrotoluene
Concen: 6.533 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104765.D
Acq: 24 Apr 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 22127
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

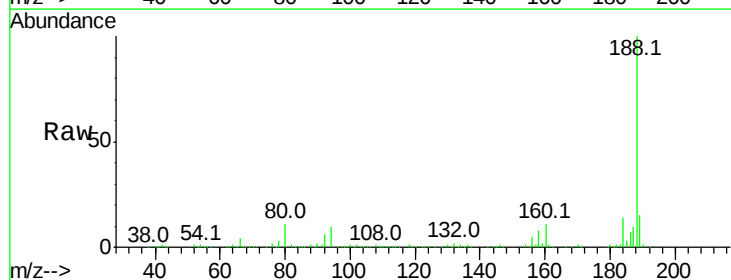


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

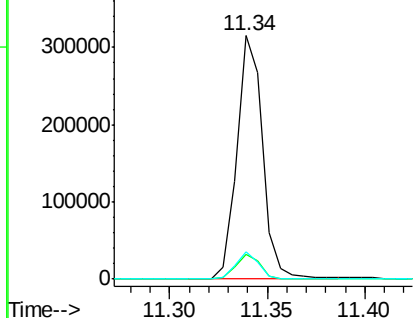
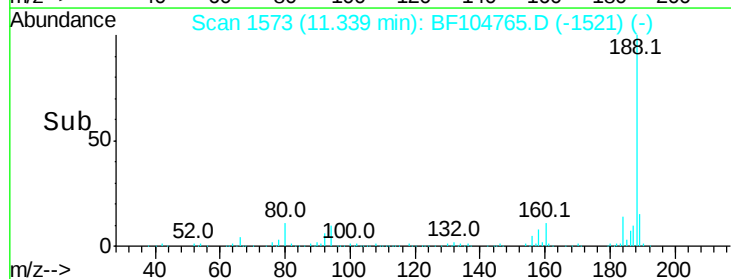


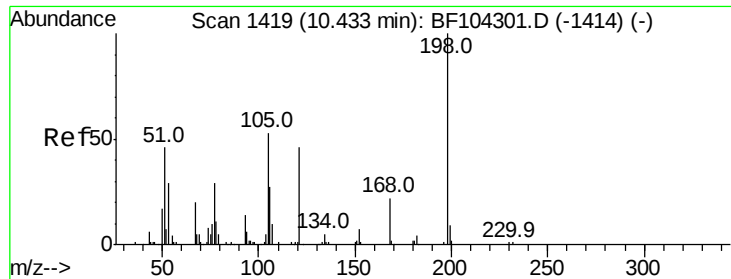
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104765.D
Acq: 24 Apr 2018 19:14

Tgt Ion:188 Resp: 286887
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.3 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

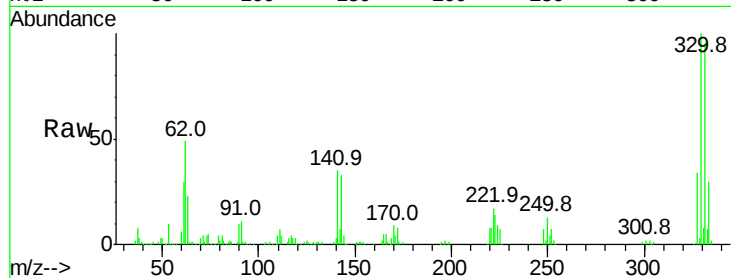




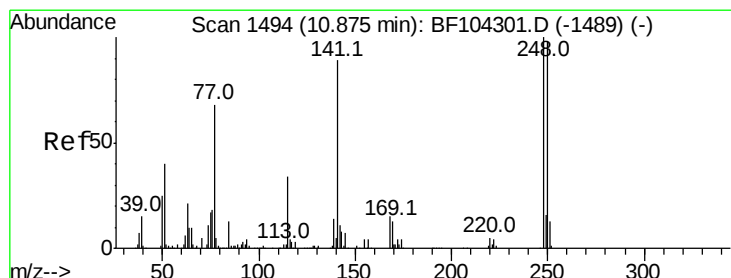
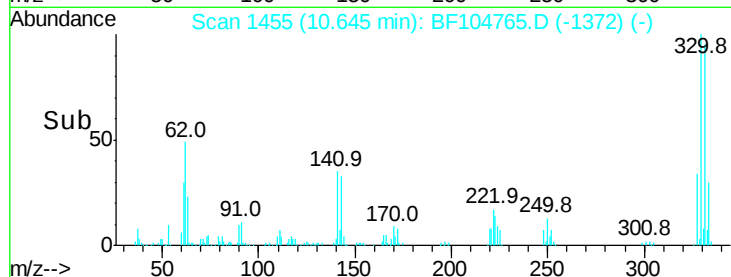
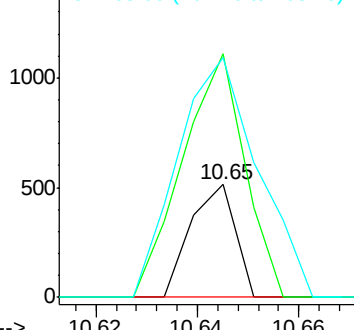
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.537 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 314
 Ion Ratio Lower Upper
 198 100
 51 215.8 37.7 77.7#
 105 212.1 36.3 76.3#

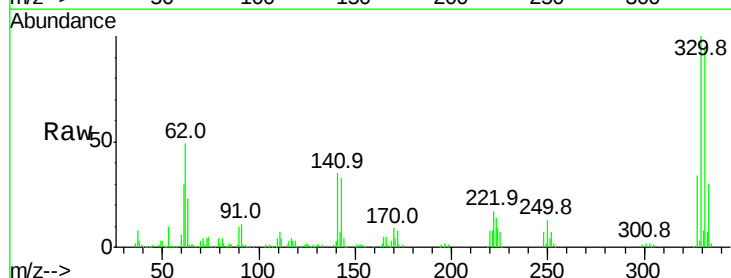


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

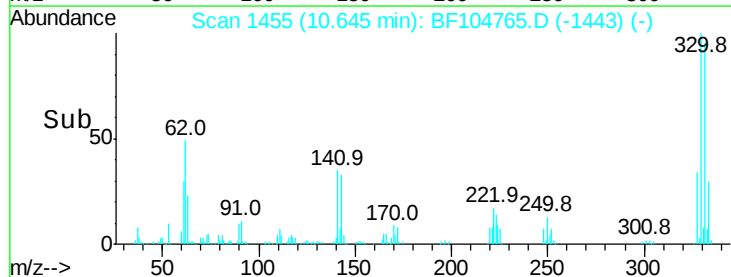
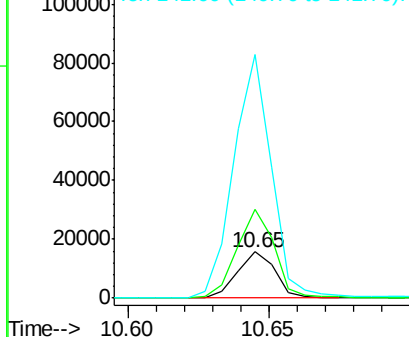


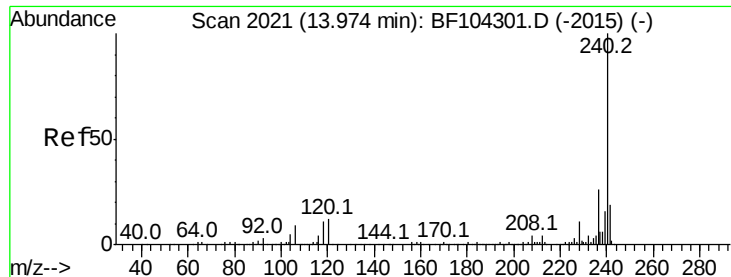
#66
 4-Bromophenyl-phenylether
 Concen: 4.753 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104765.D
 Acq: 24 Apr 2018 19:14

Tgt Ion:248 Resp: 14504
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 525.6 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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

Instrument :

BNA_F

ClientSampled :

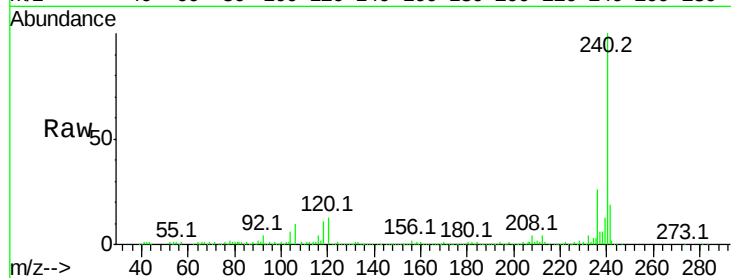
Tot Ion:240 Resp: 226336

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

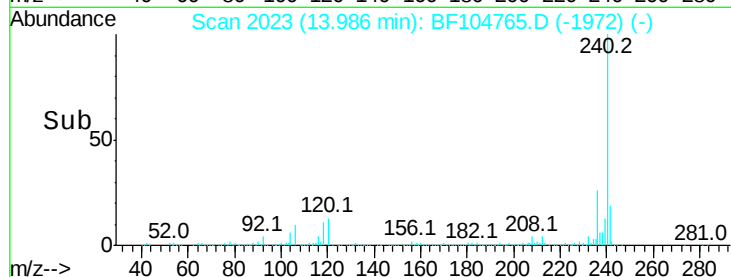
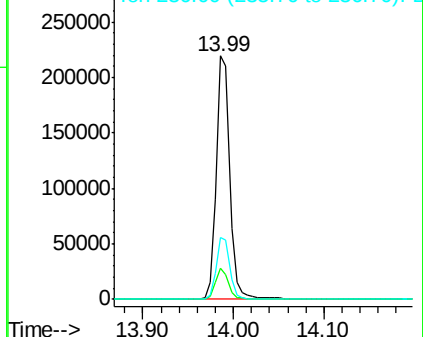
236 25.6 20.7 31.1



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: 90.675 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104765.D

Acq: 24 Apr 2018 19:14

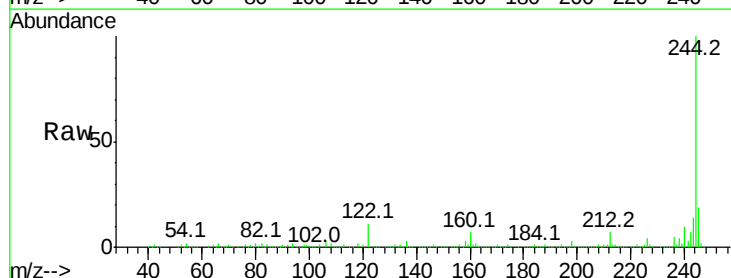
Tgt Ion:244 Resp: 900198

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

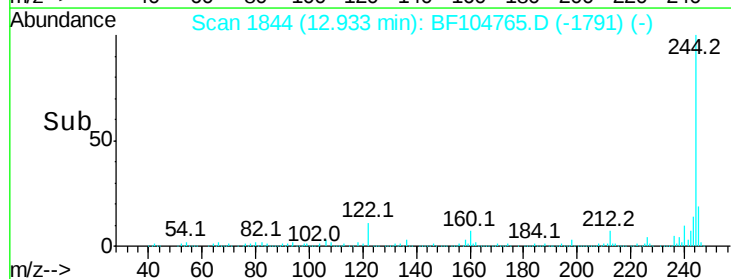
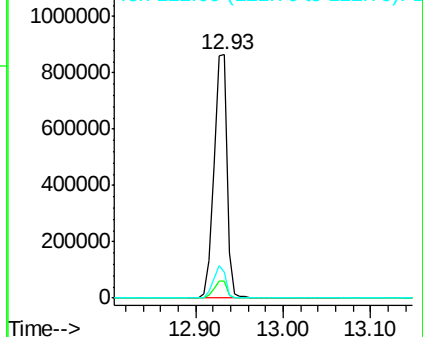
122 10.5 11.0 16.4#

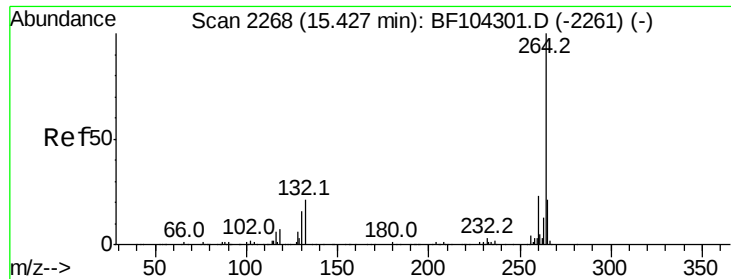


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

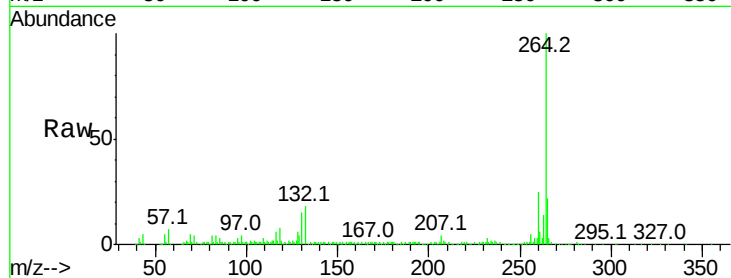




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104765.D
Acq: 24 Apr 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.5	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

