

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104966.D
 Acq On : 1 May 2018 6:56
 Operator : JU/SJ
 Sample : J2617-09
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 07:32:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

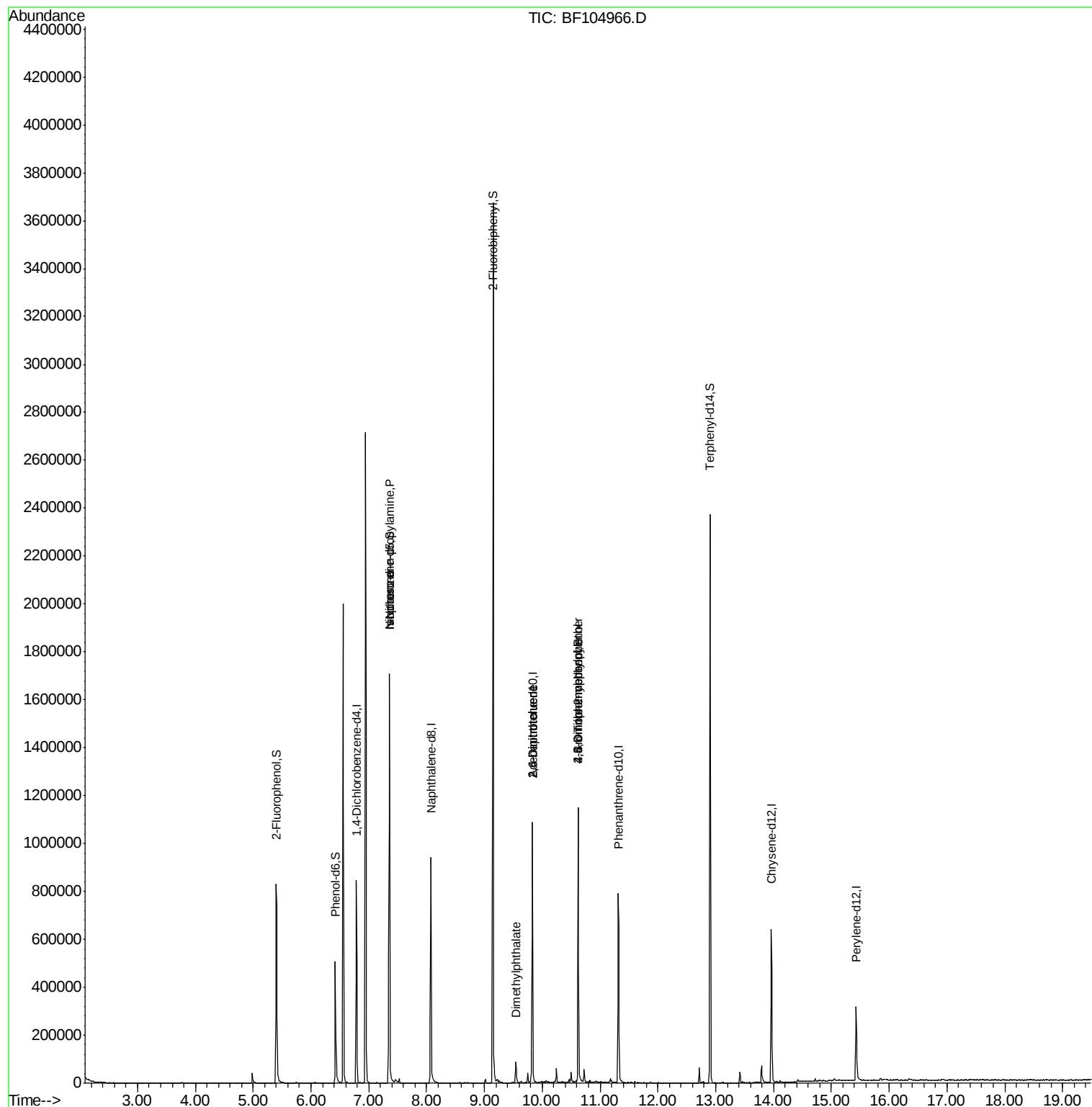
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	120865	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	493308	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	207018	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	315065	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	227650	20.00	ng	-0.01
86) Perylene-d12	15.43	264	168095	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	278399	35.22	ng	0.00
7) Phenol-d6	6.42	99	201484	20.75	ng	-0.02
23) Nitrobenzene-d5	7.36	82	710419	94.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	154315	71.86	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1217586	92.91	ng	0.00
78) Terphenyl-d14	12.90	244	835207	83.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	91502	14.42	ng	# 73
25) Isophorone	7.36	82	710415	44.47	ng	# 64
49) Dimethylphthalate	9.55	163	42504	2.60	ng	99
50) 2,6-Dinitrotoluene	9.83	165	25577	8.47	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	25577	6.45	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	129	7.42	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	9288	2.77	ng	# 1
76) Benzidine	12.90	184	10408	Below Cal		# 96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

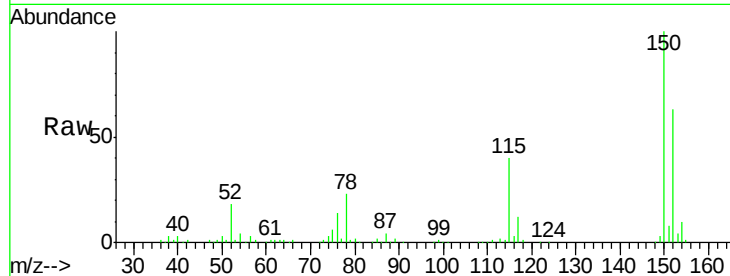
Tot Ion:152 Resp: 120865

Ion Ratio Lower Upper

152 100

150 160.0 124.6 186.8

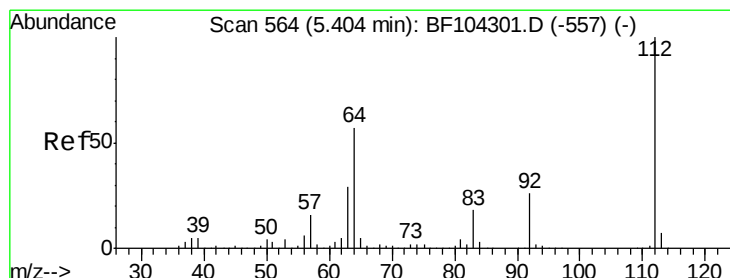
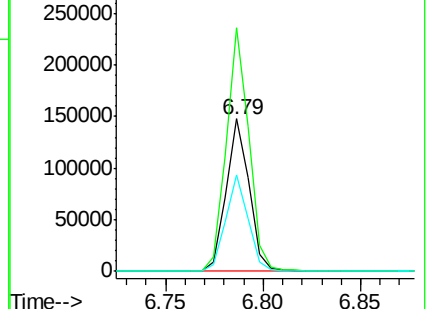
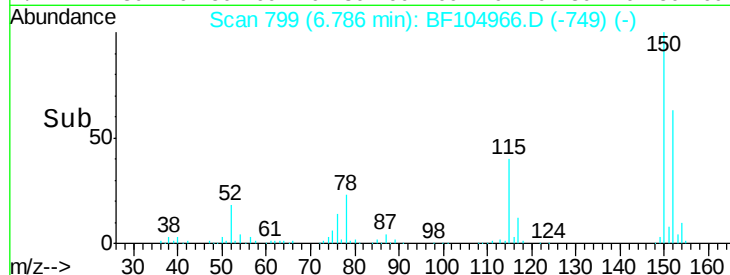
115 63.2 50.1 75.1



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: 35.22 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

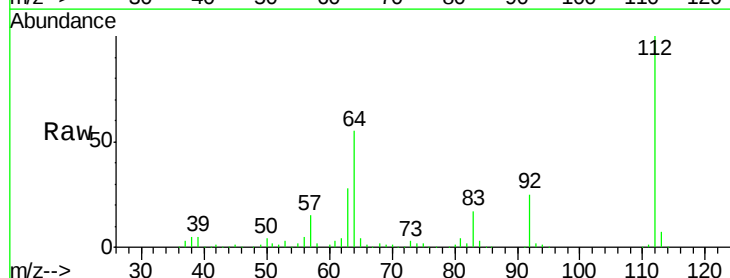
Tgt Ion:112 Resp: 278399

Ion Ratio Lower Upper

112 100

64 55.0 47.9 71.9

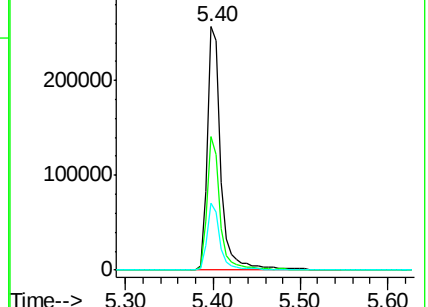
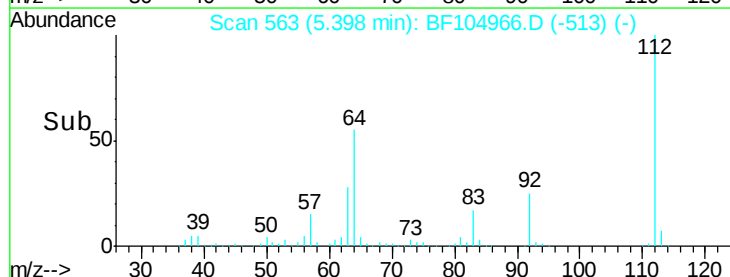
63 27.6 23.7 35.5



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: 20.75 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

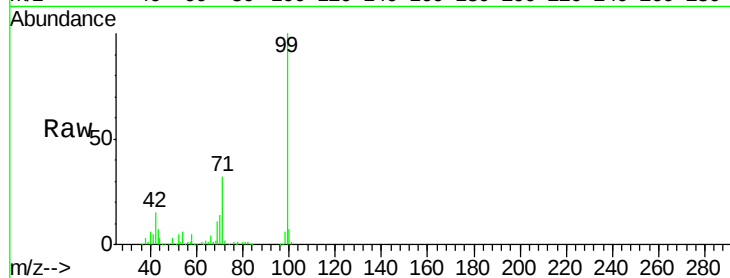
Tot Ion: 99 Resp: 201484

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

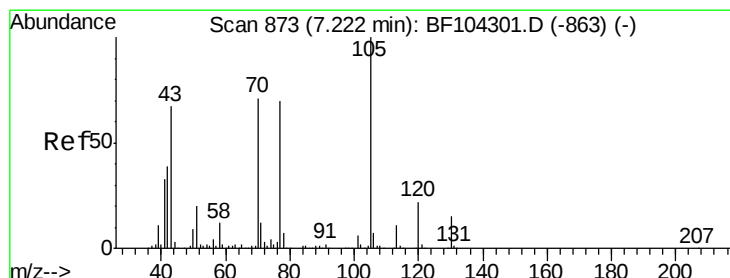
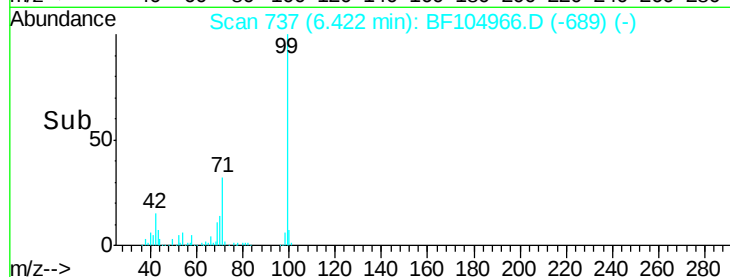
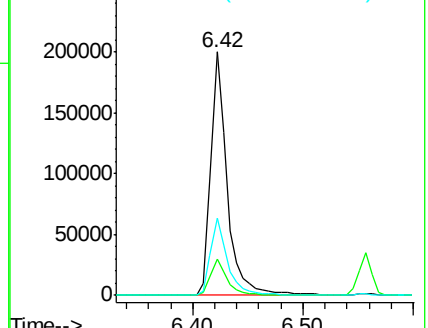
71 31.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.42 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Tgt Ion: 70 Resp: 91502

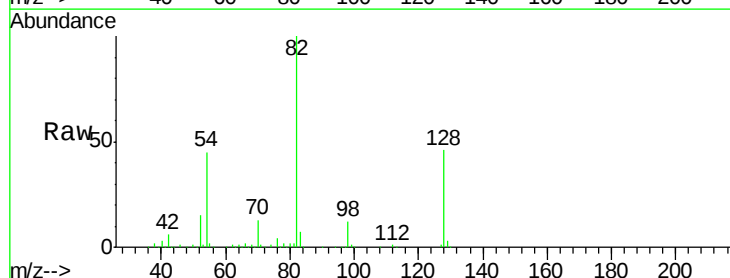
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

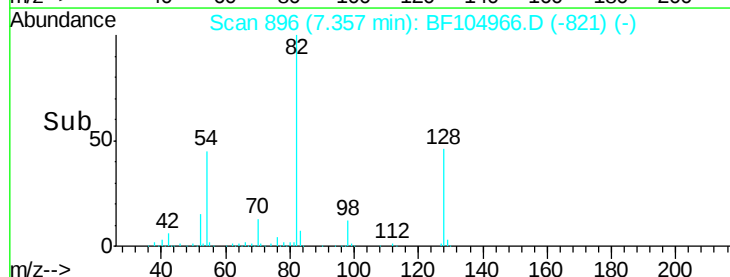
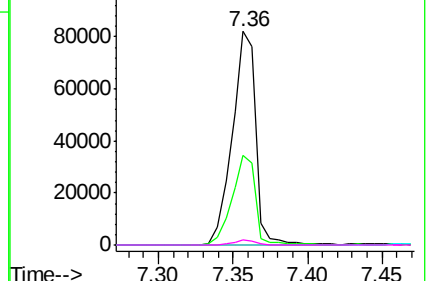


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

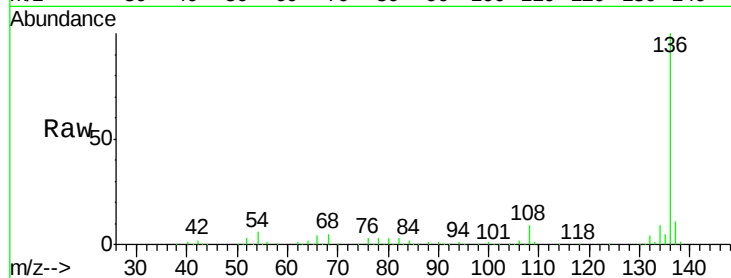




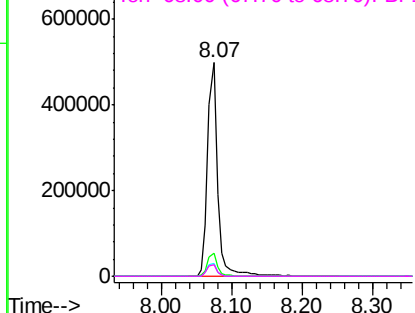
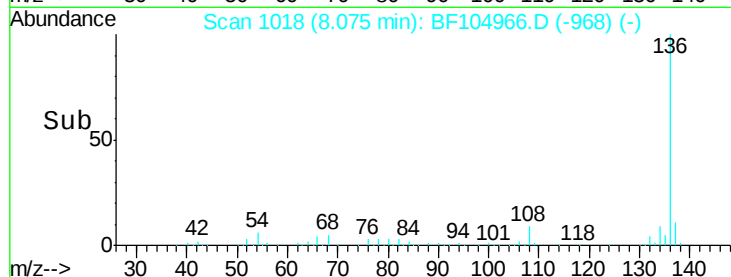
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104966.D
Acq: 1 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	493308
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	5.8	6.6 9.8#
68	5.3	5.0 7.4

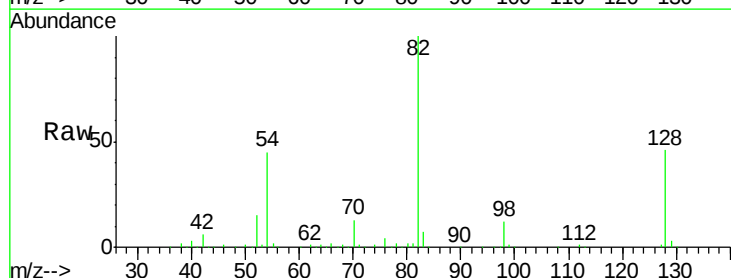


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

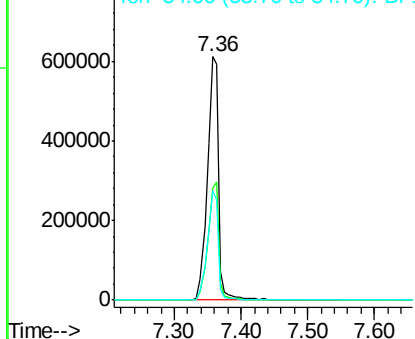
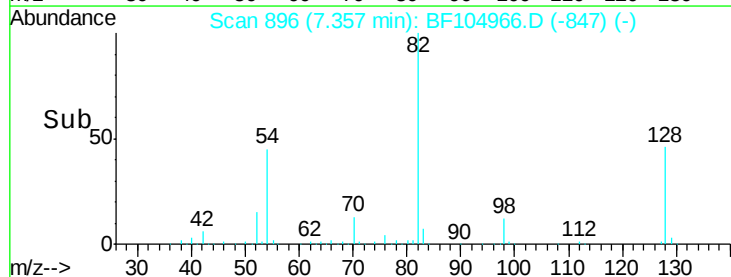


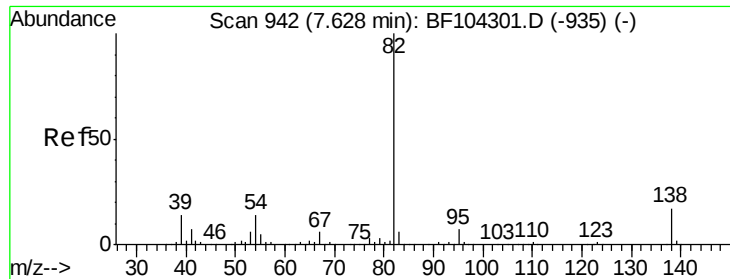
#23
Nitrobenzene-d5
Concen: 94.04 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104966.D
Acq: 1 May 2018 6:56

Tgt Ion: 82	Resp:	710419
Ion Ratio	Lower	Upper
82	100	
128	46.0	36.1 54.1
54	44.8	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: 44.47 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

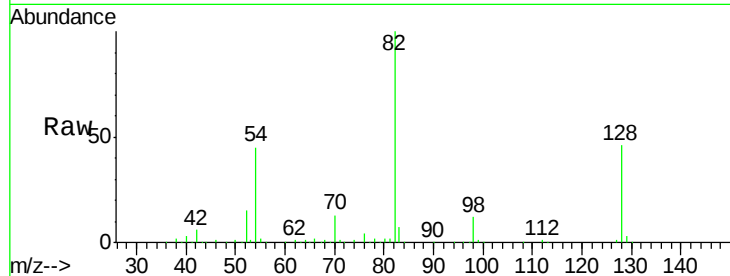
Tot Ion: 82 Resp: 710415

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

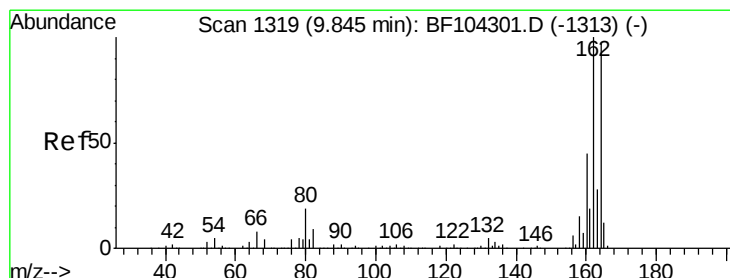
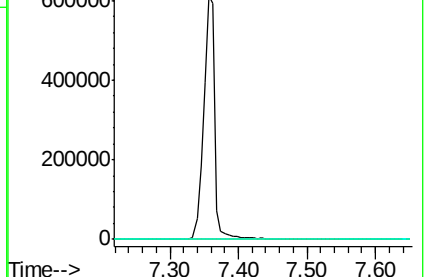
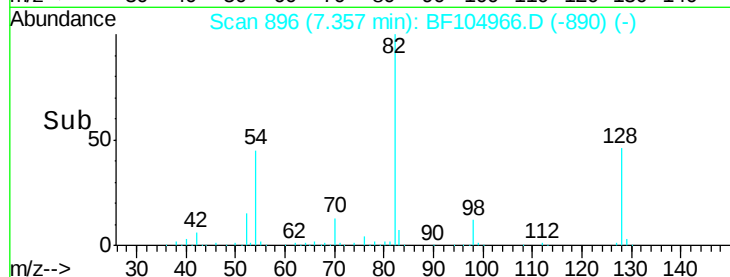
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

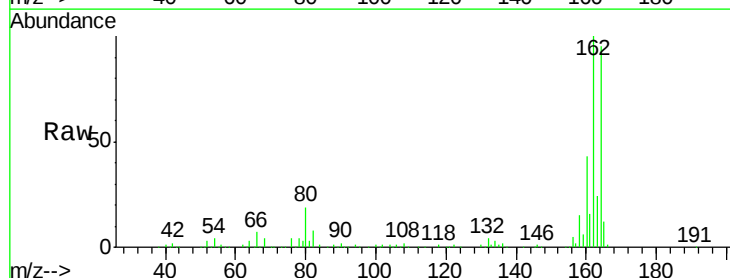
Tgt Ion: 164 Resp: 207018

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

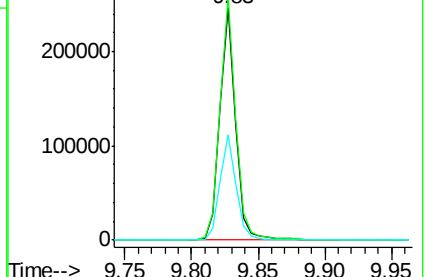
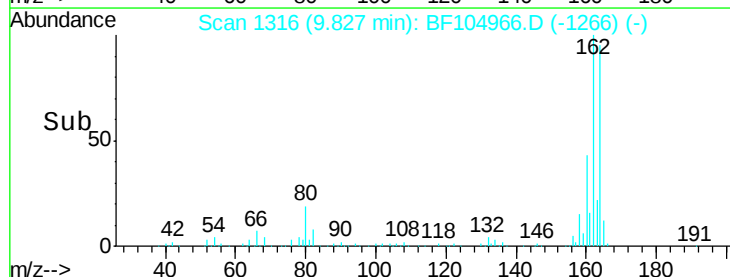
160 45.7 38.3 57.5



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

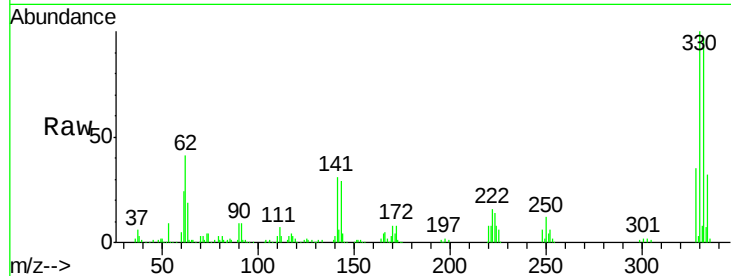




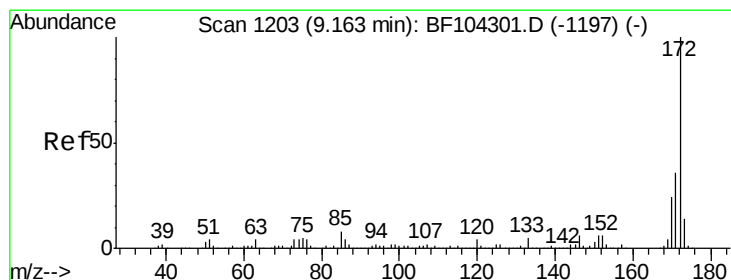
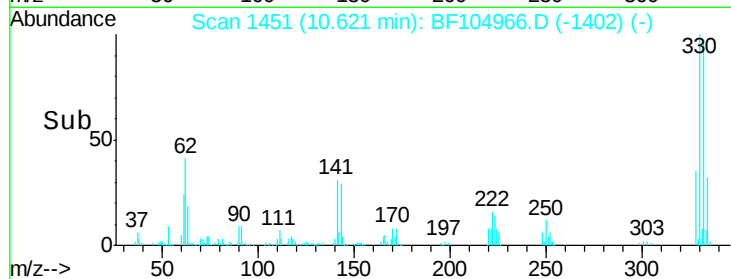
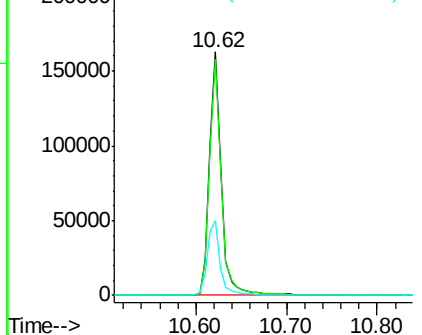
#41
 2,4,6-Tribromophenol
 Concen: 71.86 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104966.D
 Acq: 1 May 2018 6:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 154315
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 32.4 29.9 44.9

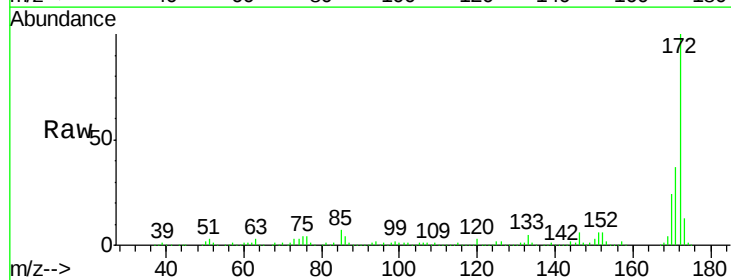


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

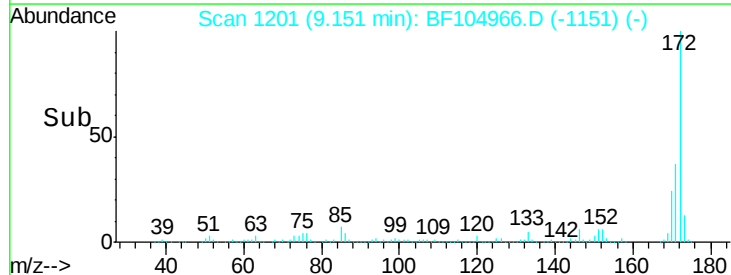
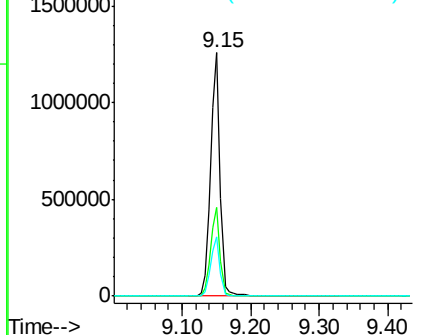


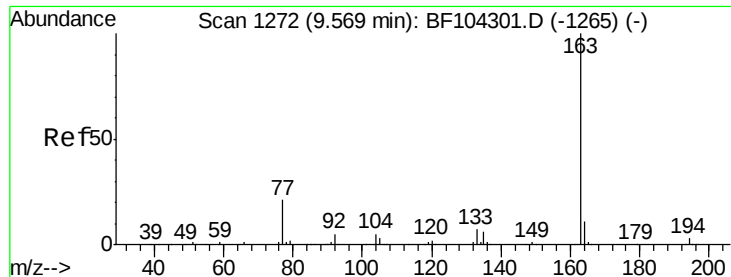
#44
 2-Fluorobiphenyl
 Concen: 92.91 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104966.D
 Acq: 1 May 2018 6:56

Tgt Ion:172 Resp: 1217586
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.2 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: 2.60 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Instrument :

BNA_F

ClientSampled :

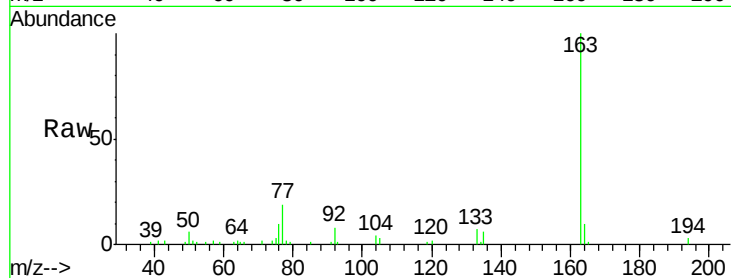
Tot Ion:163 Resp: 42504

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

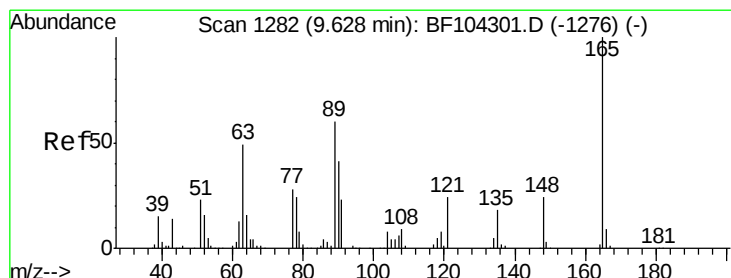
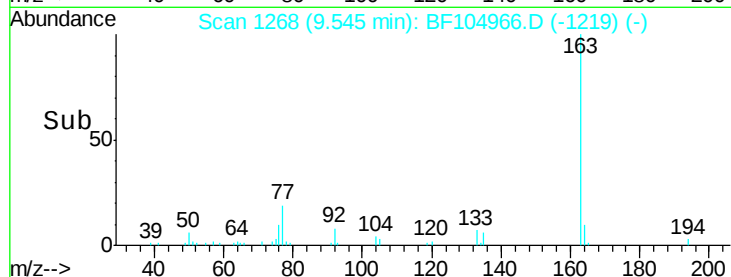
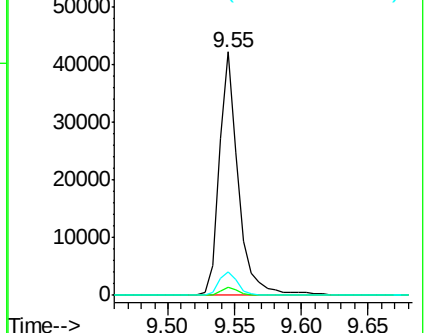
164 9.8 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.47 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

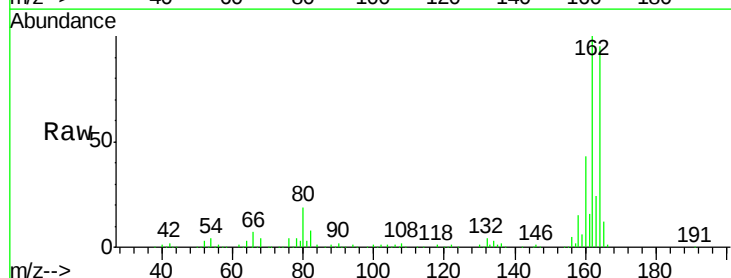
Tgt Ion:165 Resp: 25577

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

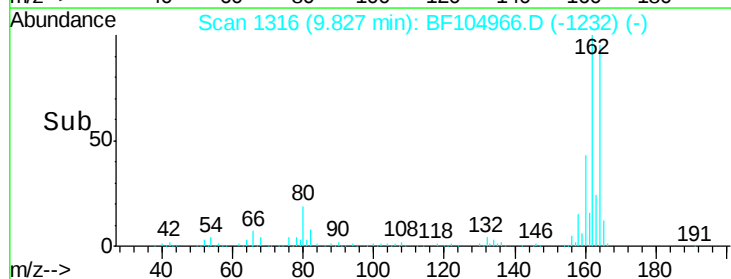
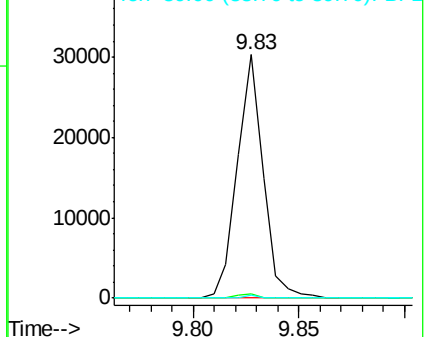
89 1.4 44.0 66.0#

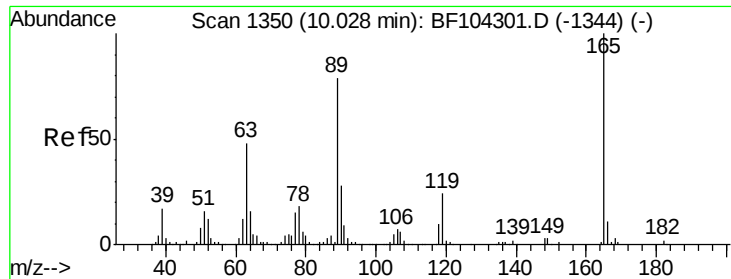


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

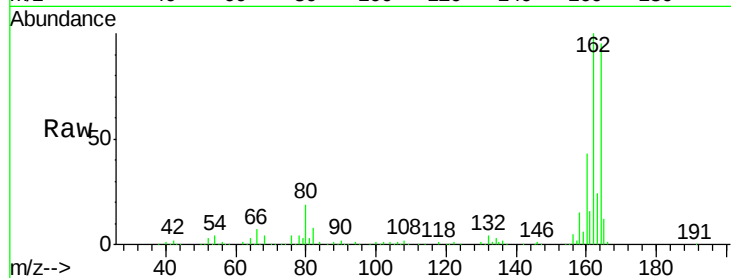




#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104966.D
 Acq: 1 May 2018 6:56

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#

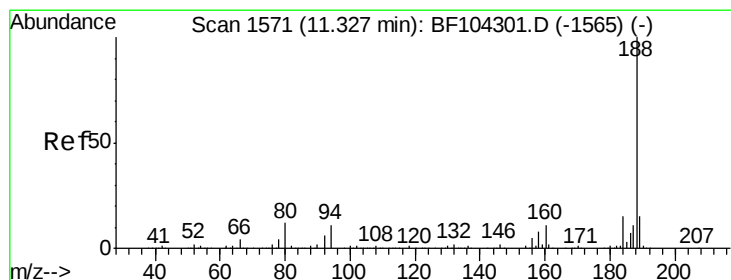
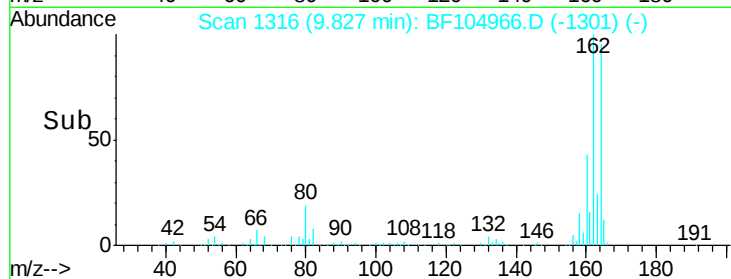
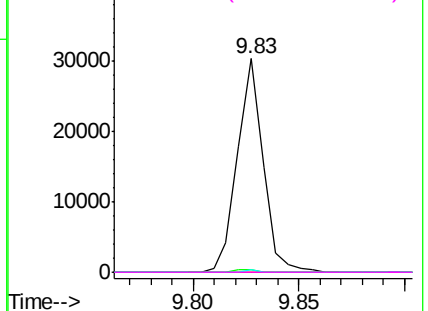


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

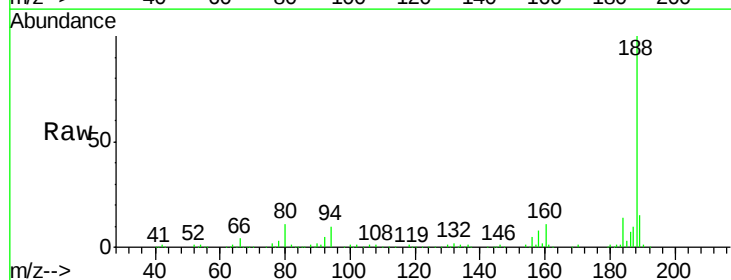
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF104966.D
 Acq: 1 May 2018 6:56

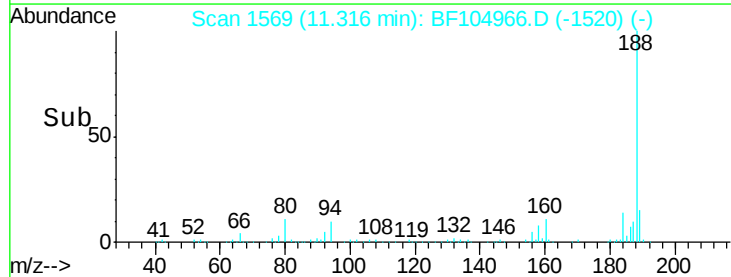
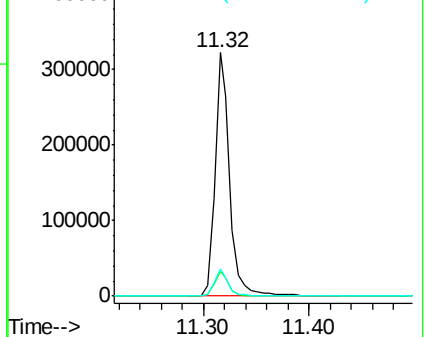
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

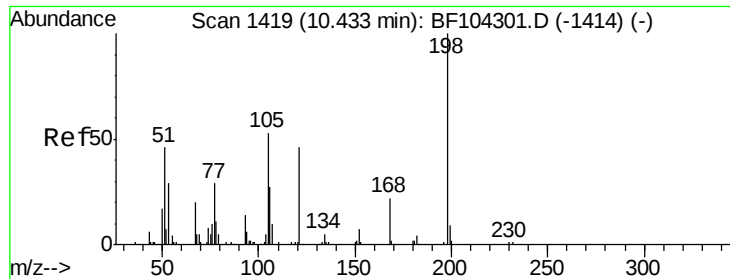


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.42 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.16 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

Instrument :

BNA_F

ClientSampleId :

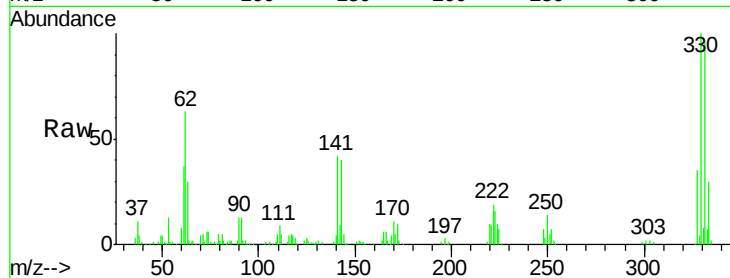
Tot Ion:198 Resp: 129

Ion Ratio Lower Upper

198 100

51 169.0 37.7 77.7#

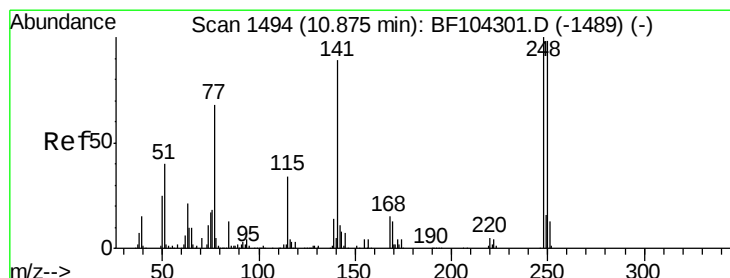
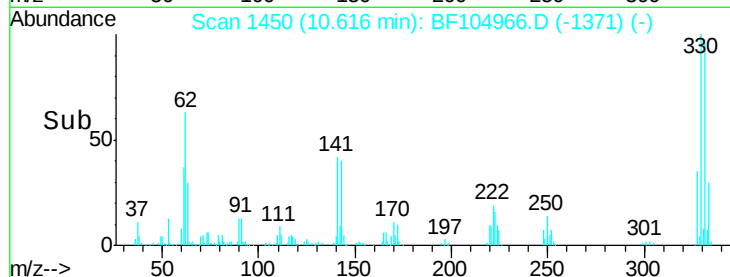
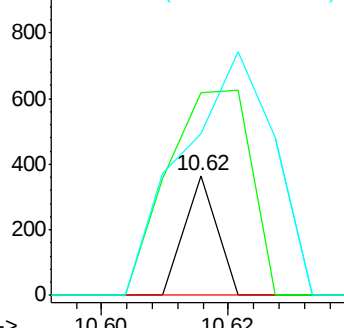
105 135.3 36.3 76.3#



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: 2.77 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF104966.D

Acq: 1 May 2018 6:56

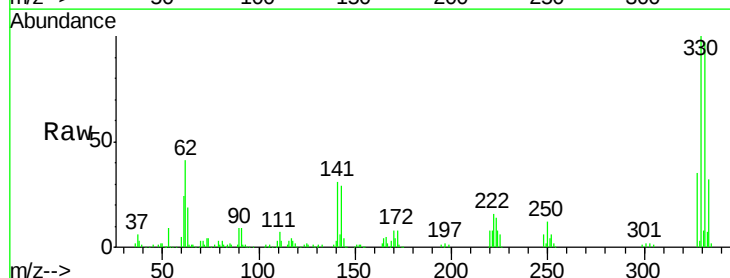
Tgt Ion:248 Resp: 9288

Ion Ratio Lower Upper

248 100

250 203.1 76.9 115.3#

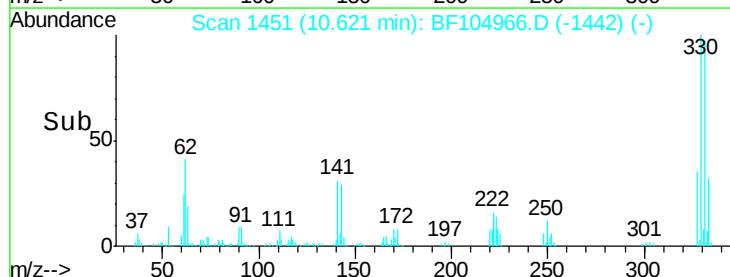
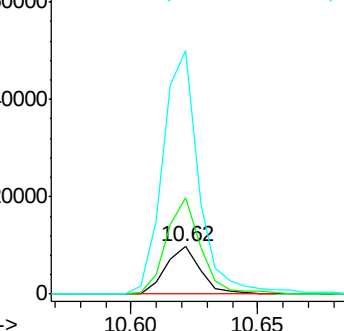
141 513.3 74.4 111.6#

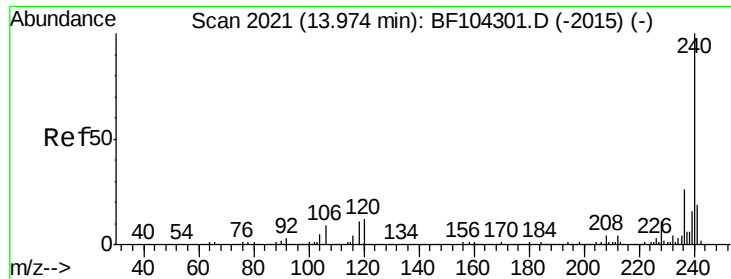


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

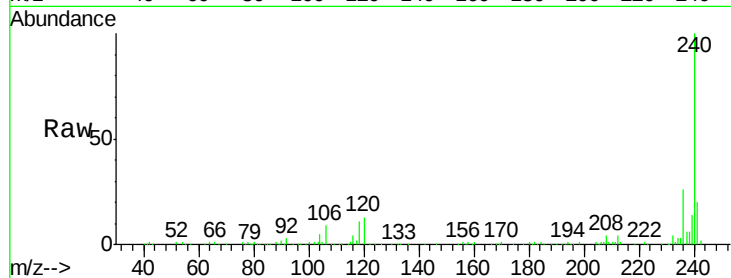




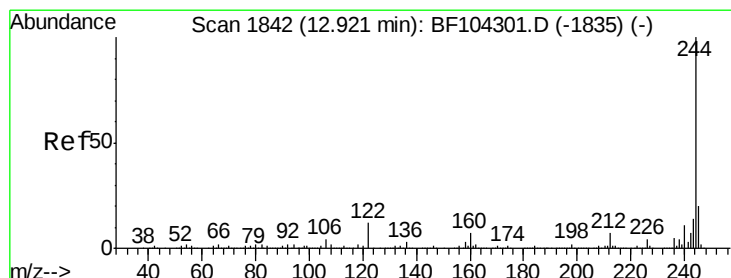
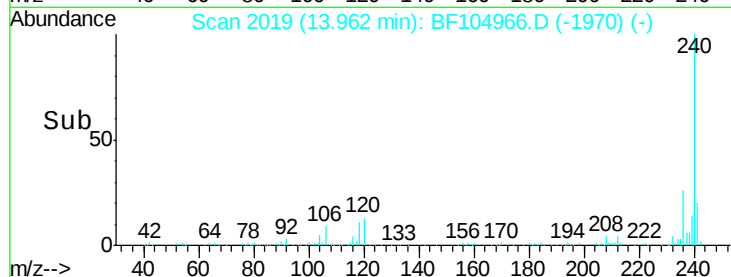
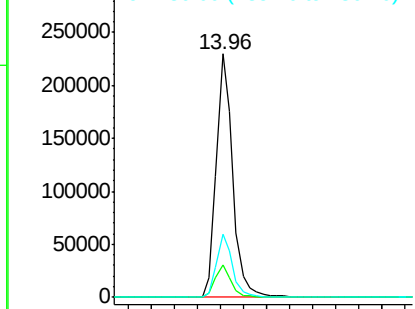
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104966.D
Acq: 1 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 227650
Ion Ratio Lower Upper
240 100
120 13.4 9.5 14.3
236 26.0 20.7 31.1

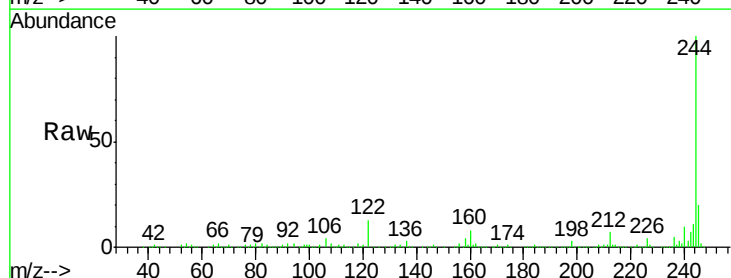


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

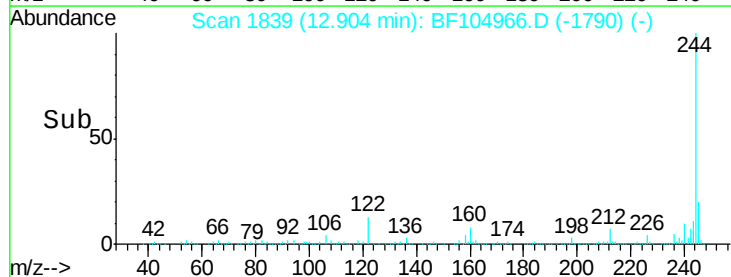
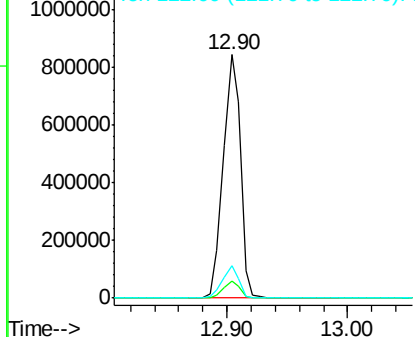


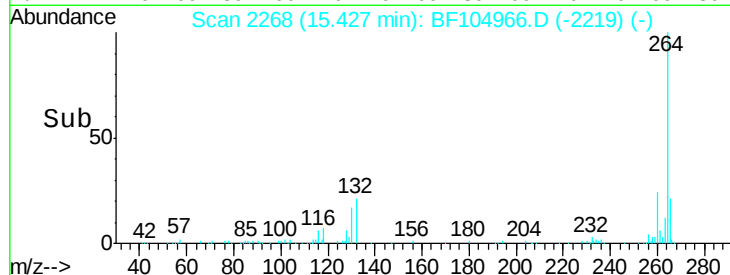
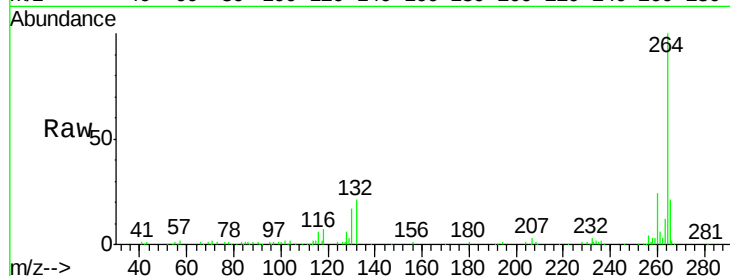
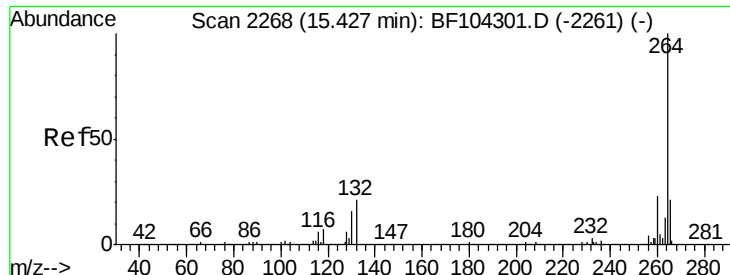
#78
Terphenyl-d14
Concen: 83.64 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF104966.D
Acq: 1 May 2018 6:56

Tgt Ion:244 Resp: 835207
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.1 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: 20.00 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF104966.D
Acq: 1 May 2018 6:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.2	17.5	26.3

