

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105031.D
 Acq On : 2 May 2018 15:22
 Operator : JU/SJ
 Sample : J2616-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 17:28:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	80632	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	326763	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	143382	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	236668	20.00	ng	0.00
75) Chrysene-d12	14.04	240	185981	20.00	ng	0.00
86) Perylene-d12	15.62	264	175550	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	609621	115.60	ng	0.01
7) Phenol-d6	6.43	99	644952	99.54	ng	0.00
23) Nitrobenzene-d5	7.36	82	493204	98.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199742	134.29	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	942019	103.79	ng	0.00
78) Terphenyl-d14	12.92	244	807471	98.98	ng	0.00

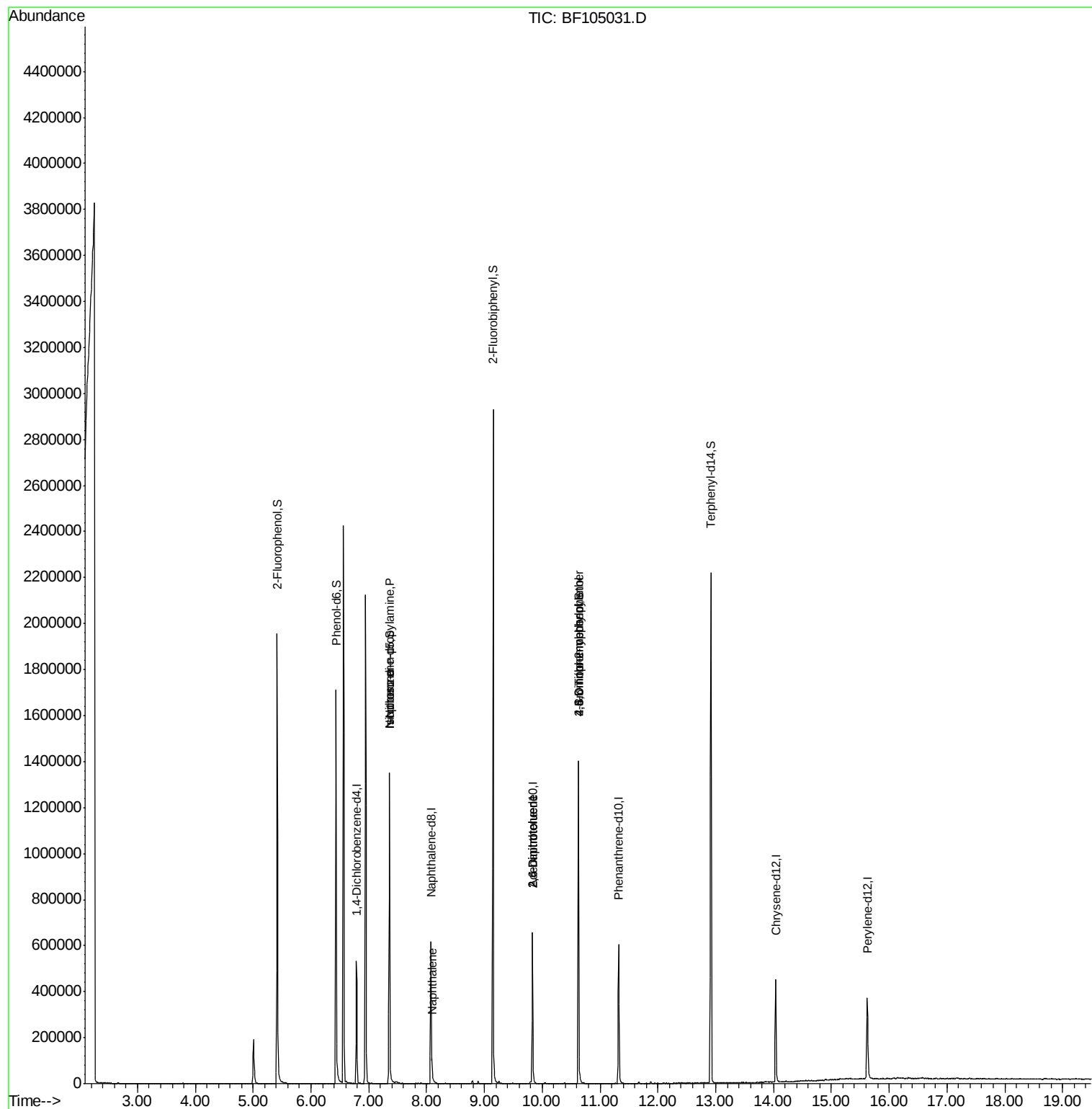
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	779	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	64115	15.143	ng	# 74
25) Isophorone	7.36	82	493197	46.607	ng	# 64
31) Naphthalene	8.09	128	38846	2.387	ng	# 98
50) 2,6-Dinitrotoluene	9.83	165	17928	8.569	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	17928	6.533	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	328	7.588	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12517	4.972	ng	# 1
76) Benzidine	12.92	184	10239	Below Cal		96

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

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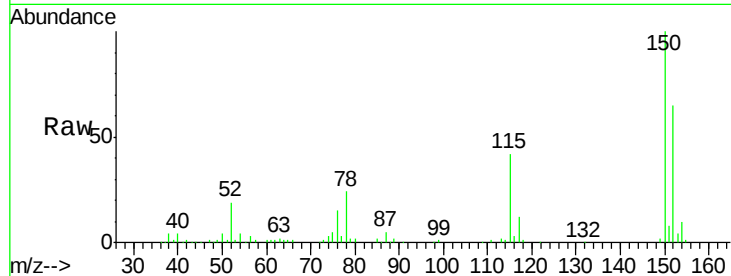


#1

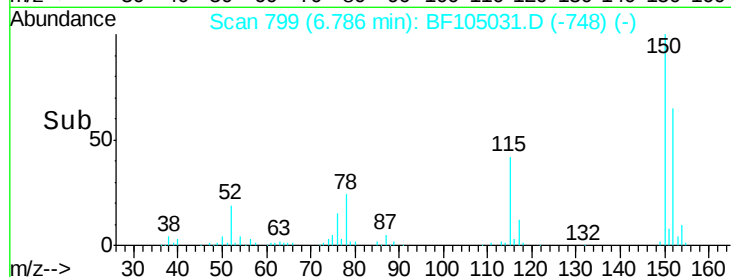
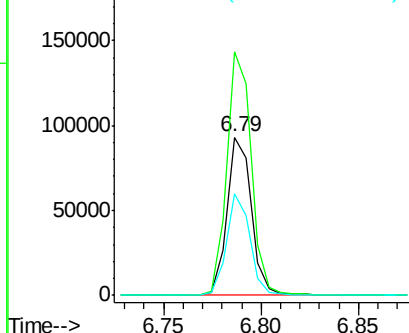
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80632
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 64.7 50.1 75.1



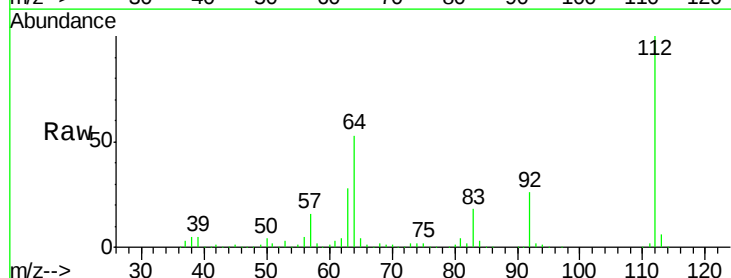
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



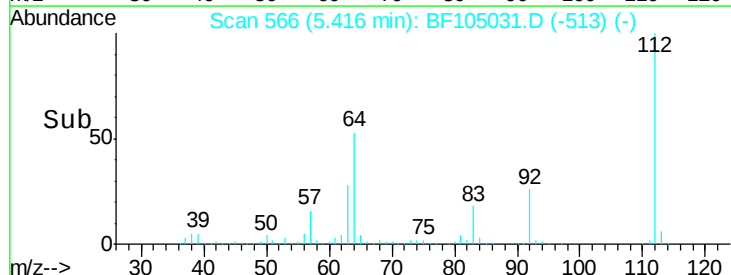
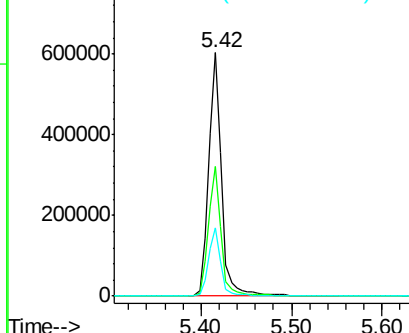
#5

2-Fluorophenol
Concen: 115.605 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Tgt Ion:112 Resp: 609621
Ion Ratio Lower Upper
112 100
64 53.2 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: 99.542 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105031.D

Acq: 2 May 2018 15:22

Instrument :

BNA_F

ClientSampled :

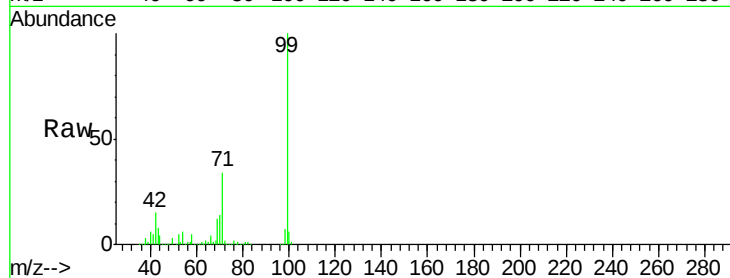
Tot Ion: 99 Resp: 644952

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

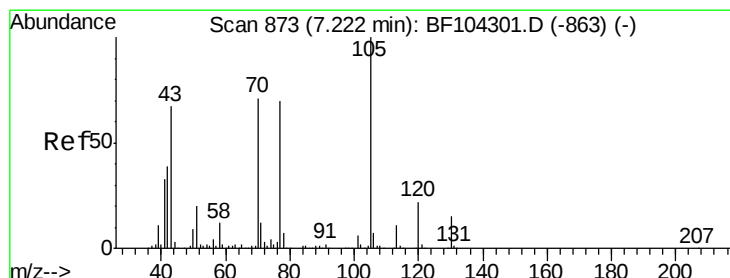
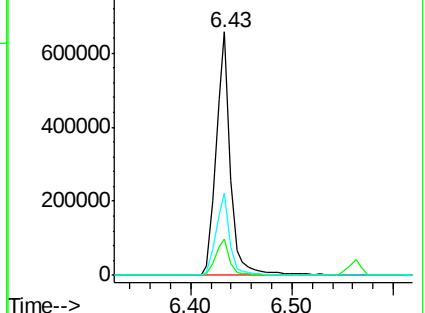
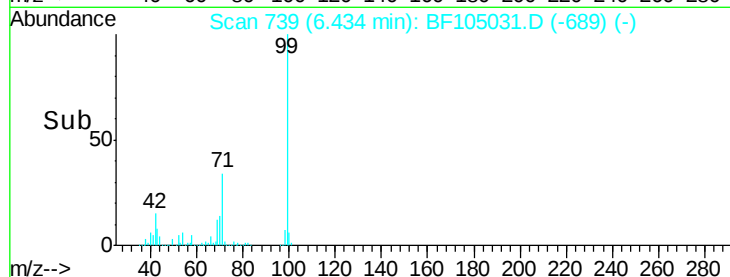
71 33.6 25.4 38.0



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: 15.143 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105031.D

Acq: 2 May 2018 15:22

Tgt Ion: 70 Resp: 64115

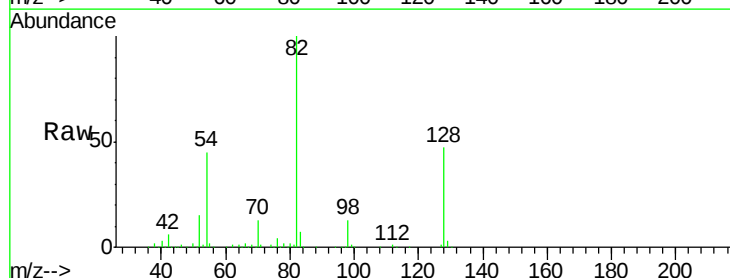
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

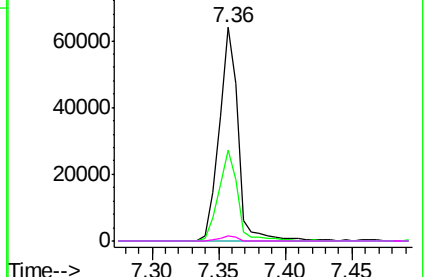
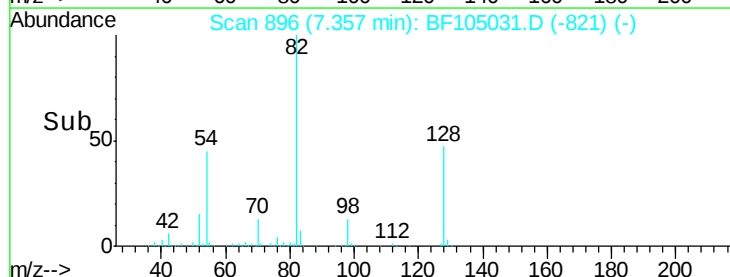


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

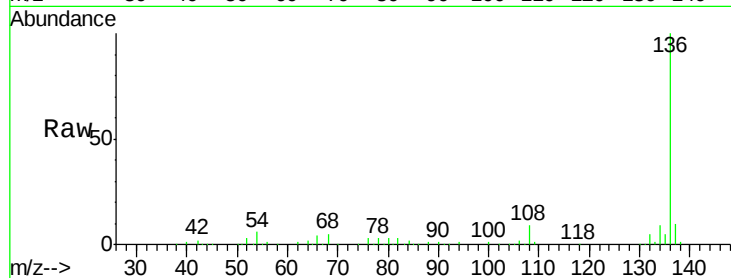




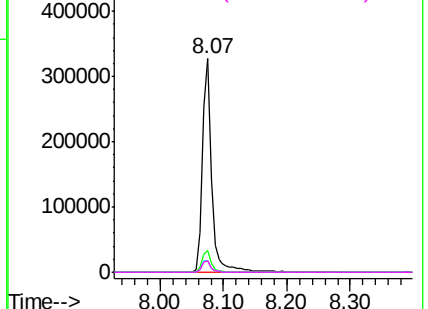
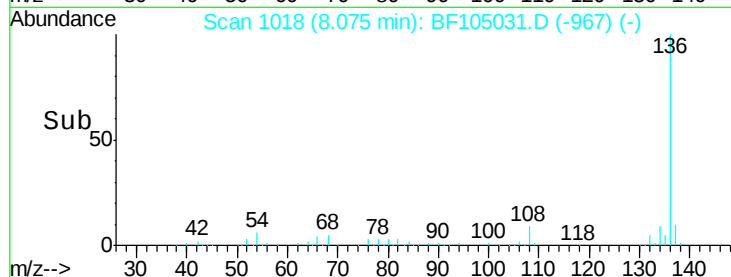
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	326763
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.9 13.3
54	5.6	6.6 9.8#
68	5.3	5.0 7.4

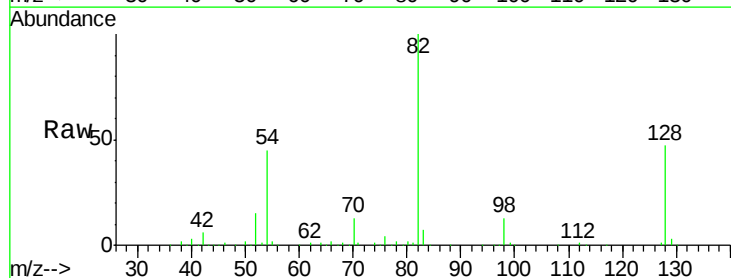


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

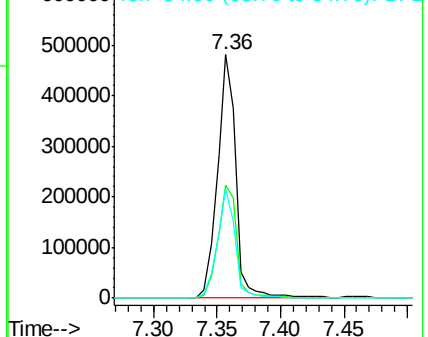
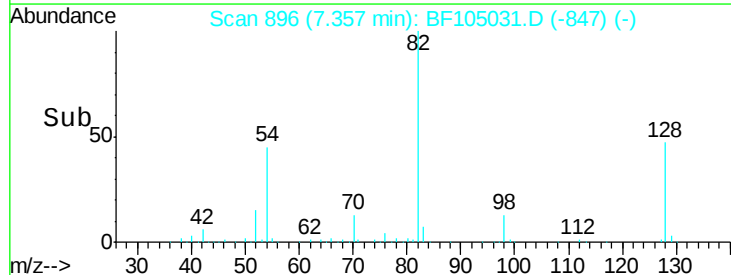


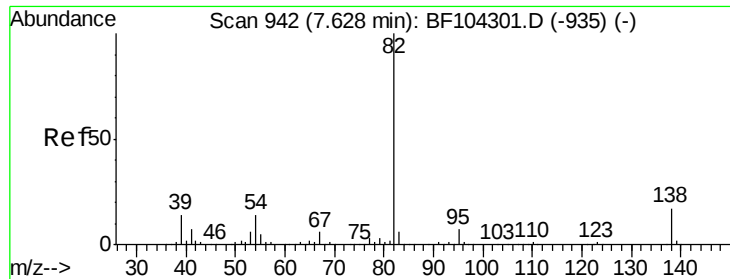
#23
Nitrobenzene-d5
Concen: 98.558 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Tgt Ion: 82	Resp:	493204
Ion Ratio	Lower	Upper
82	100	
128	46.5	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: 46.607 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105031.D

Acq: 2 May 2018 15:22

Instrument :

BNA_F

ClientSampleId :

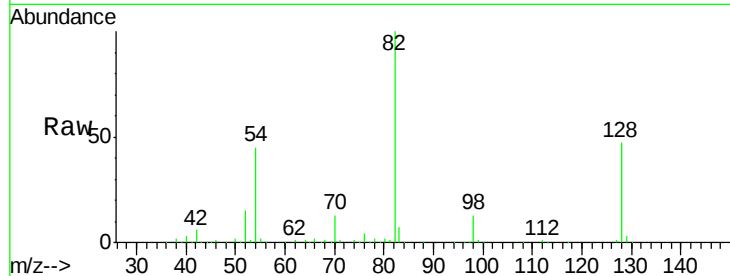
Tot Ion: 82 Resp: 493197

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

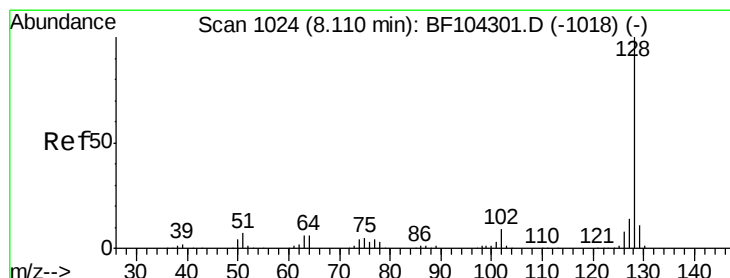
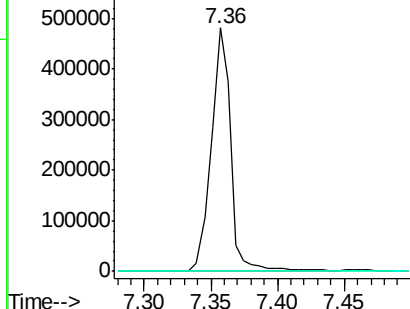
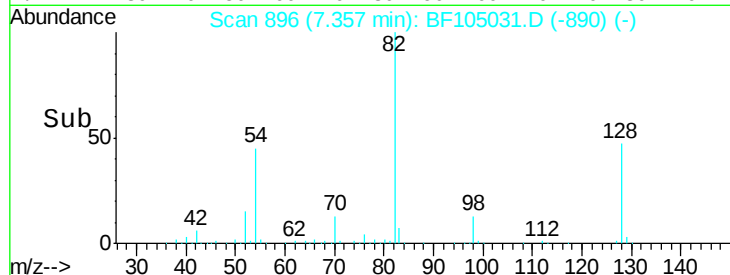
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.387 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105031.D

Acq: 2 May 2018 15:22

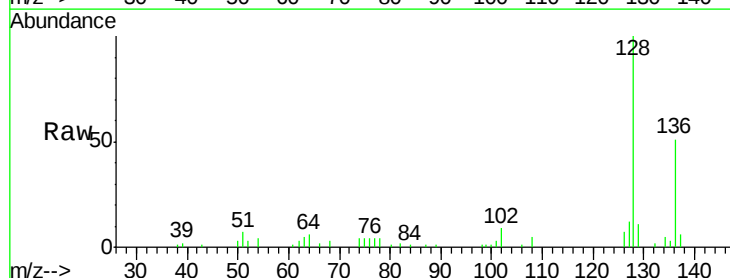
Tgt Ion: 128 Resp: 38846

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

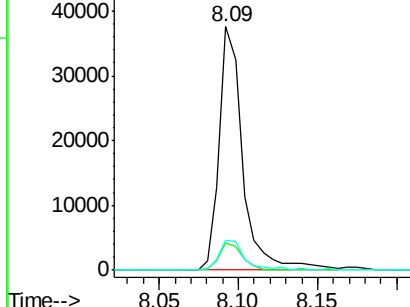
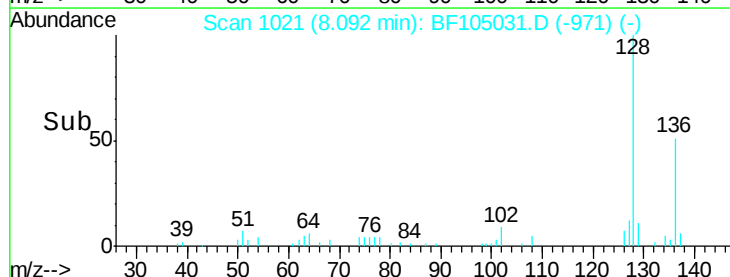
127 12.4 10.9 16.3

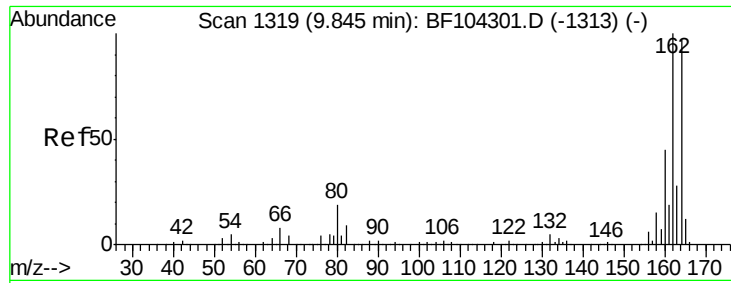


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

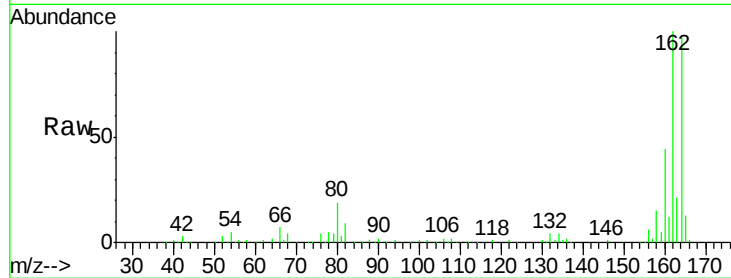




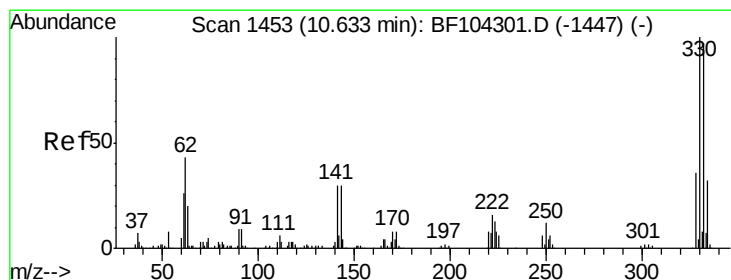
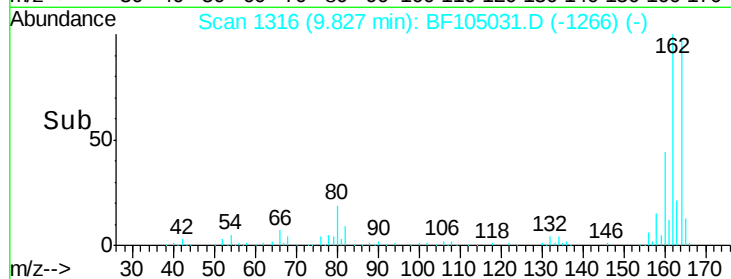
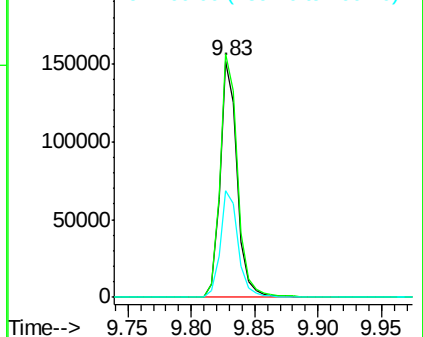
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 143382
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 45.0 38.3 57.5

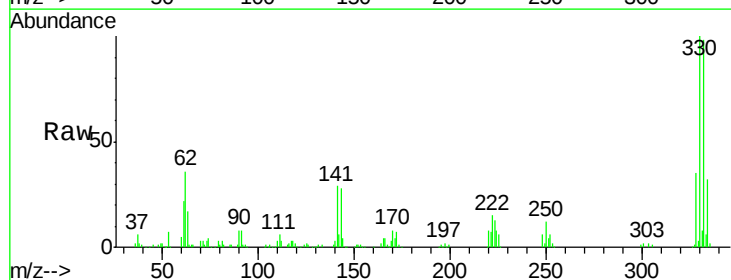


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

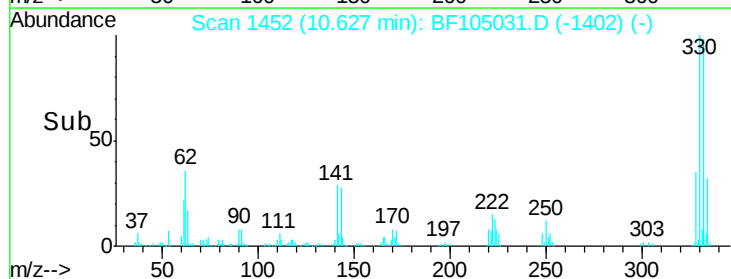
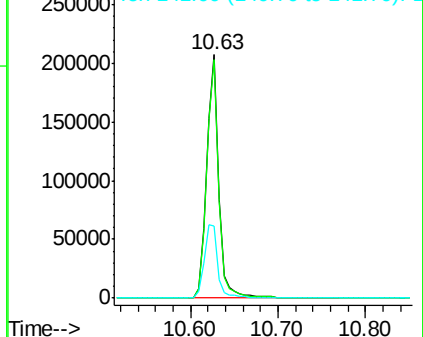


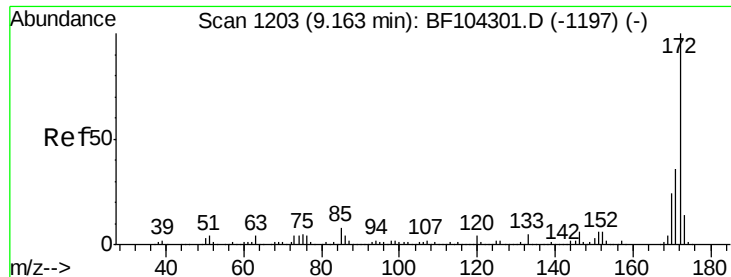
#41
2,4,6-Tribromophenol
Concen: 134.295 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Tgt Ion:330 Resp: 199742
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 33.5 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

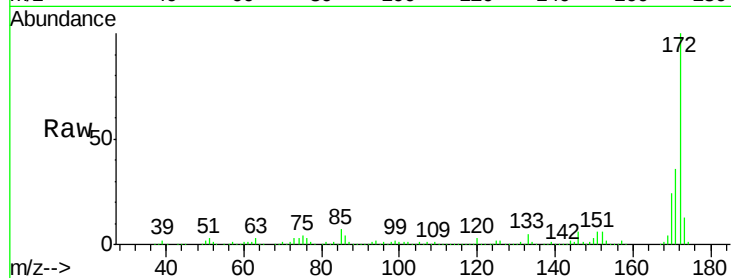




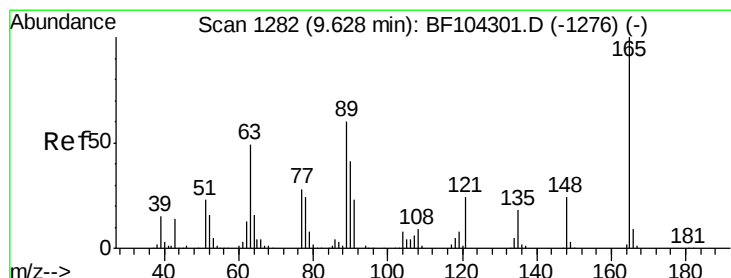
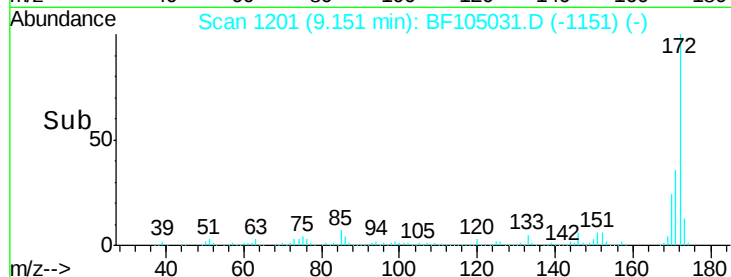
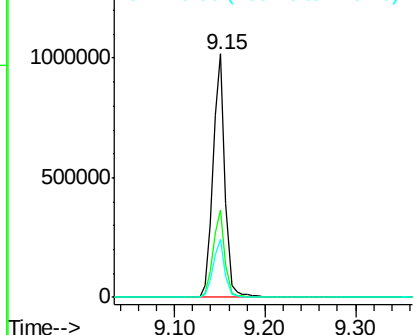
#44
 2-Fluorobiphenyl
 Concen: 103.790 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 942019
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.7 19.6 29.4

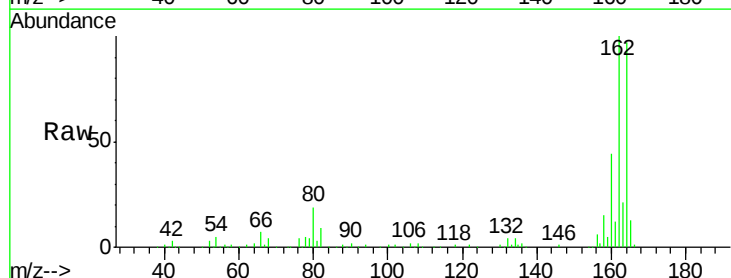


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

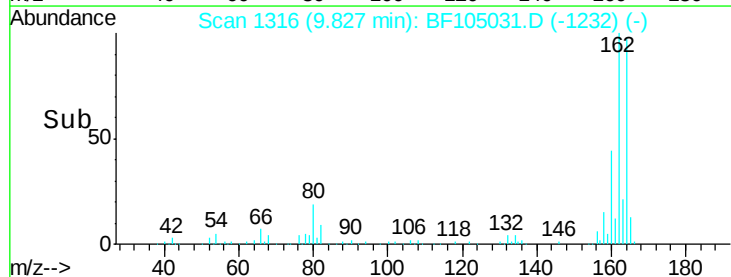
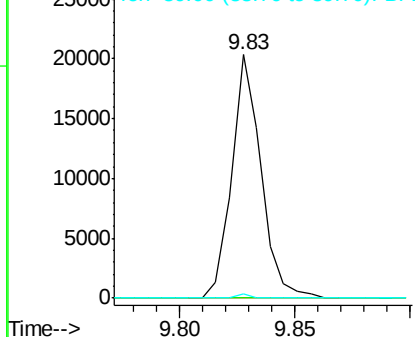


#50
 2,6-Dinitrotoluene
 Concen: 8.569 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Tgt Ion:165 Resp: 17928
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.7 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

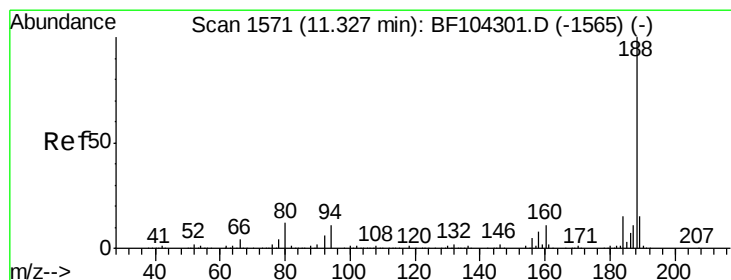
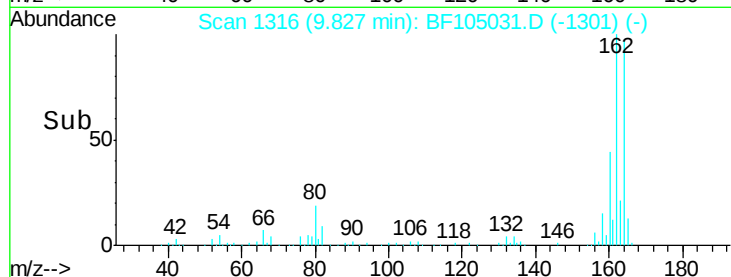
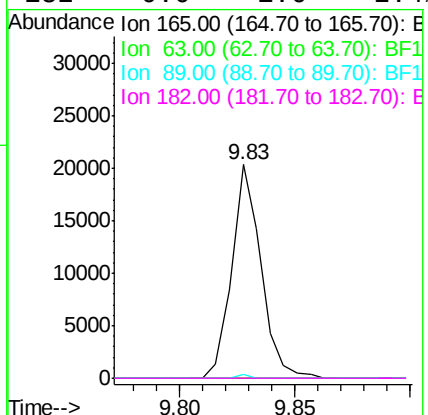
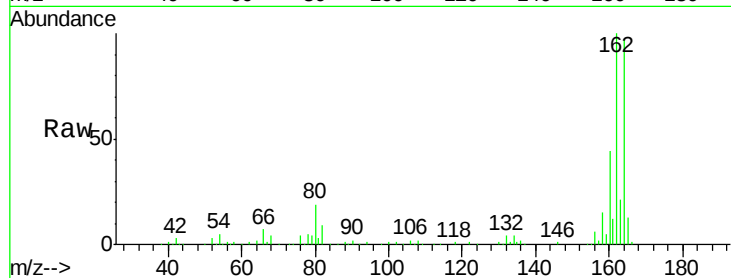




#56
 2,4-Dinitrotoluene
 Concen: 6.533 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

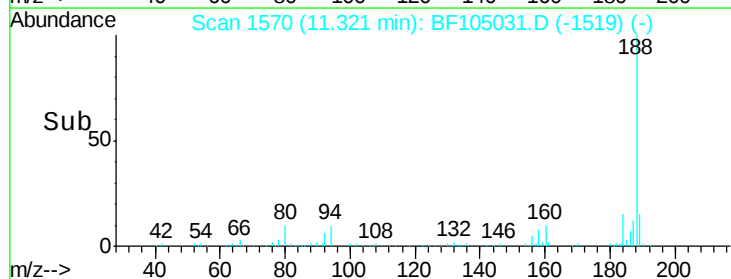
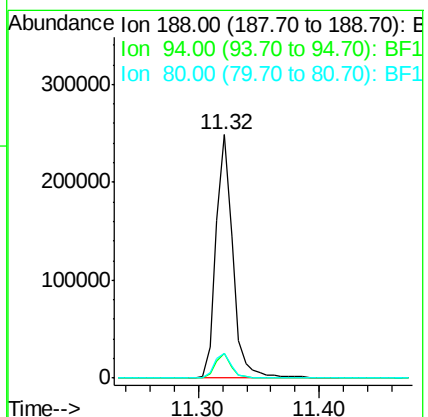
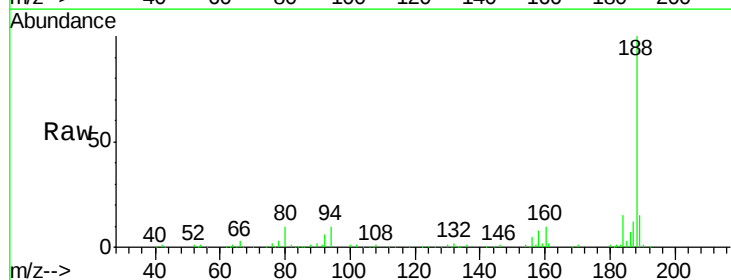
Instrument :
 BNA_F
 ClientSampleId :

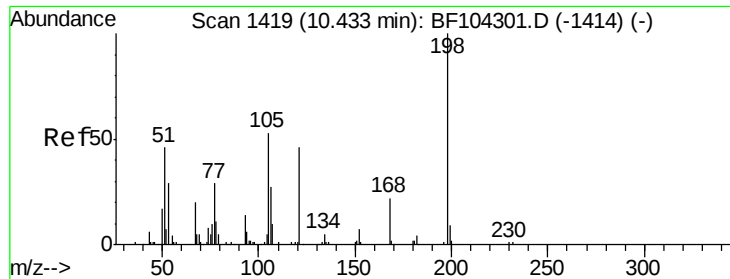
Tot Ion:	165	Resp:	17928
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Tgt Ion:	188	Resp:	236668
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.1	9.2	13.8

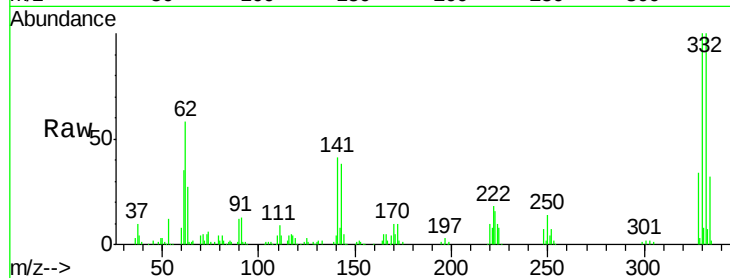




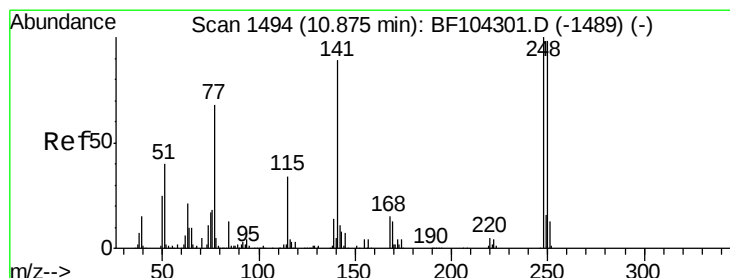
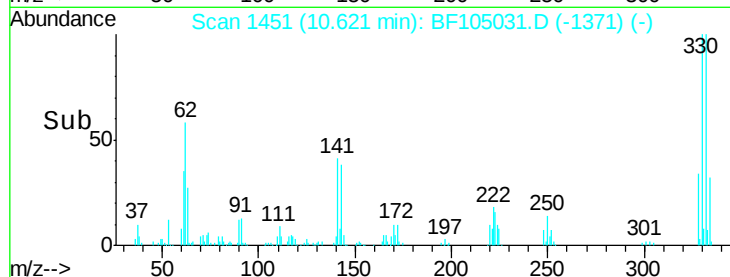
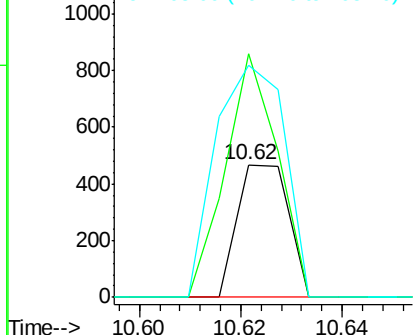
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.588 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 328
 Ion Ratio Lower Upper
 198 100
 51 183.5 37.7 77.7#
 105 174.6 36.3 76.3#

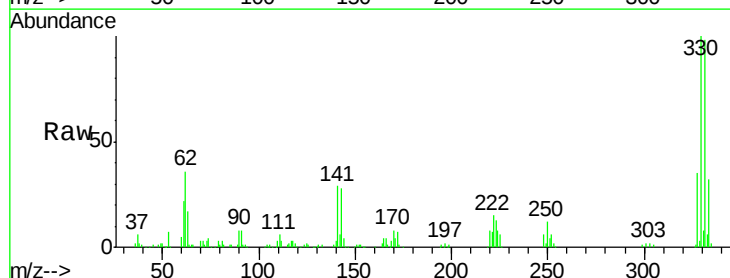


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

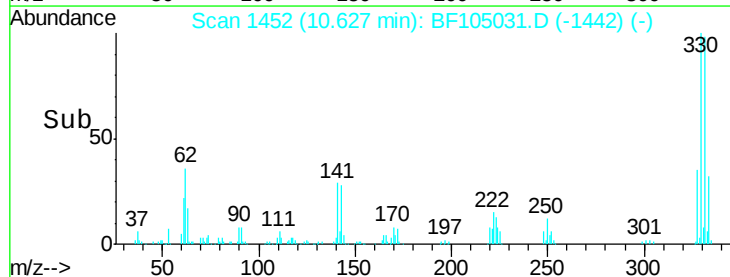
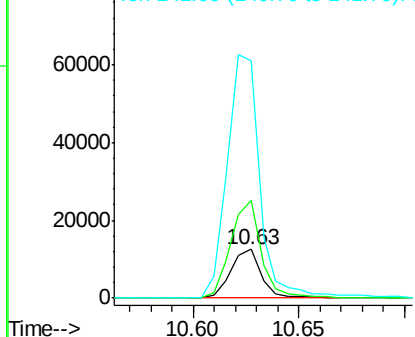


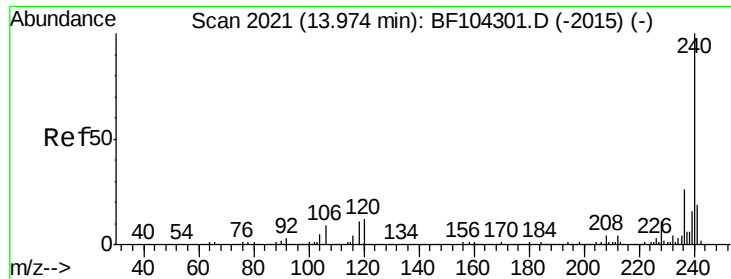
#66
 4-Bromophenyl-phenylether
 Concen: 4.972 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Tgt Ion:248 Resp: 12517
 Ion Ratio Lower Upper
 248 100
 250 199.9 76.9 115.3#
 141 484.7 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

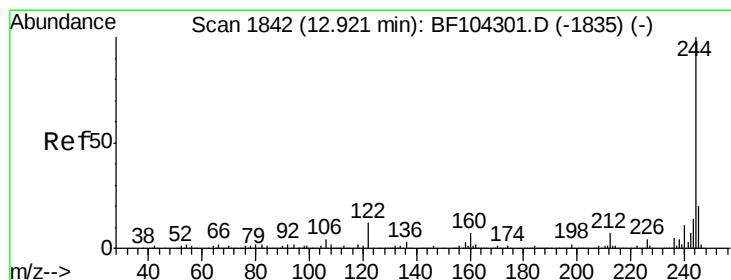
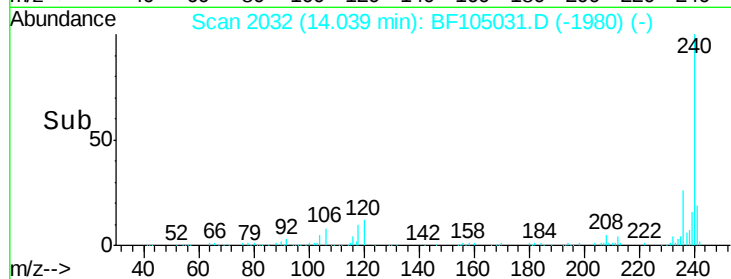
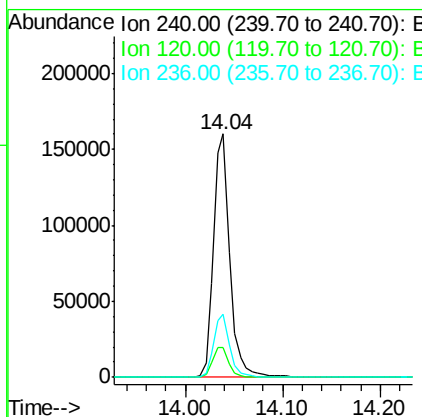
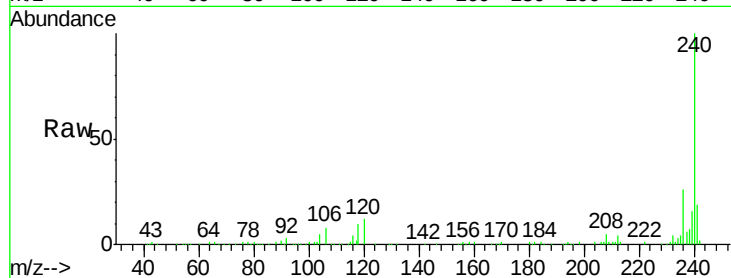




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

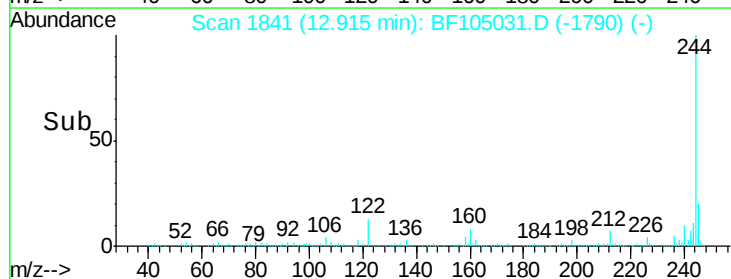
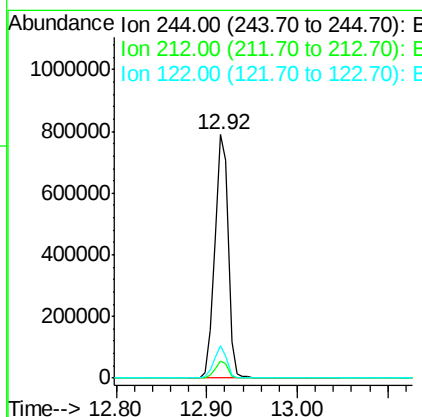
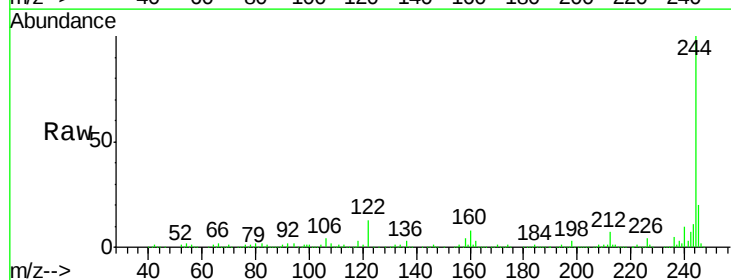
Instrument :
 BNA_F
 ClientSampleId :

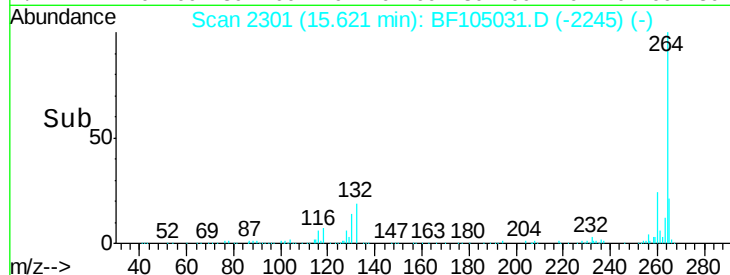
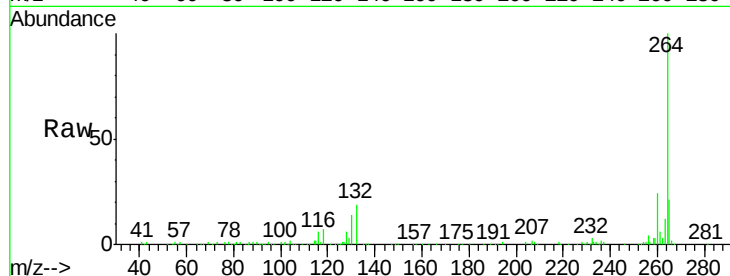
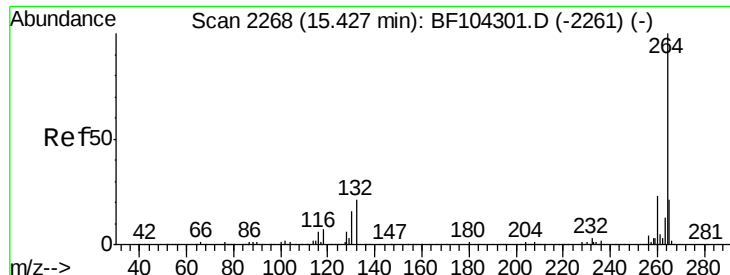
Tot Ion:240 Resp: 185981
 Ion Ratio Lower Upper
 240 100
 120 12.1 9.5 14.3
 236 26.0 20.7 31.1



#78
 Terphenyl-d14
 Concen: 98.983 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF105031.D
 Acq: 2 May 2018 15:22

Tgt Ion:244 Resp: 807471
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 13.2 11.0 16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.03 min
Lab File: BF105031.D
Acq: 2 May 2018 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264	Resp:	175550
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.2 28.8
265	21.3	17.5 26.3

