

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105035.D
 Acq On : 2 May 2018 17:09
 Operator : JU/SJ
 Sample : J2616-46
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 18:11:50 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

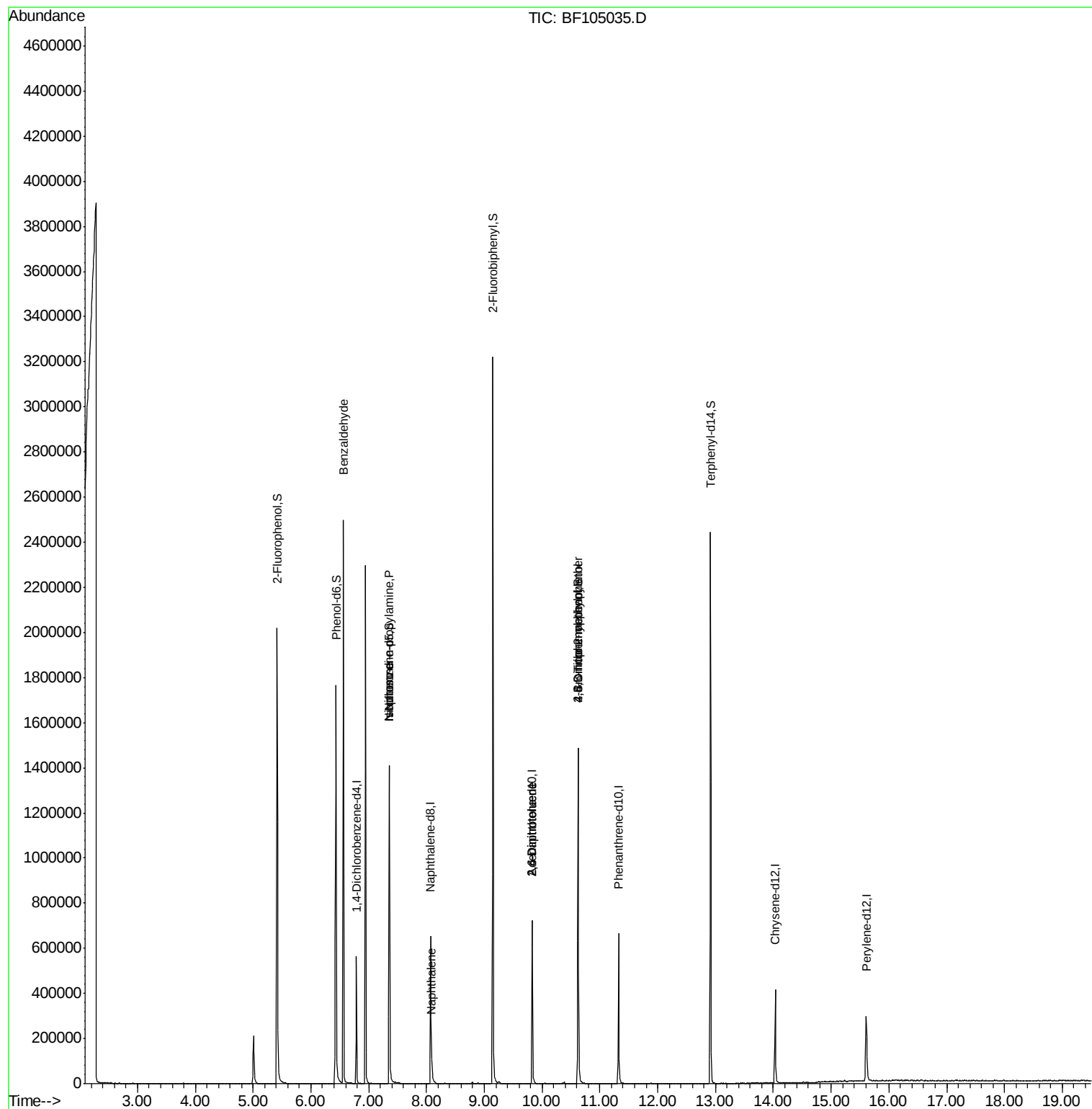
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	84637	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	341257	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	155025	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	263167	20.00	ng	0.00
75) Chrysene-d12	14.03	240	180445	20.00	ng	0.00
86) Perylene-d12	15.61	264	167388	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	636324	114.96	ng	0.01
7) Phenol-d6	6.43	99	684075	100.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	540714	103.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	214928	133.65	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1008569	102.78	ng	0.00
78) Terphenyl-d14	12.92	244	838422	105.93	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	14987	2.078	ng	86
19) n-Nitroso-di-n-propylamine	7.36	70	69870	15.722	ng	# 72
25) Isophorone	7.36	82	540707	48.927	ng	# 64
31) Naphthalene	8.09	128	35127	2.067	ng	99
50) 2,6-Dinitrotoluene	9.83	165	19857	8.778	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	19857	6.692	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.62	198	282	7.533	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13242	4.731	ng	# 1
76) Benzydine	12.92	184	11042	Below Cal	#	93

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

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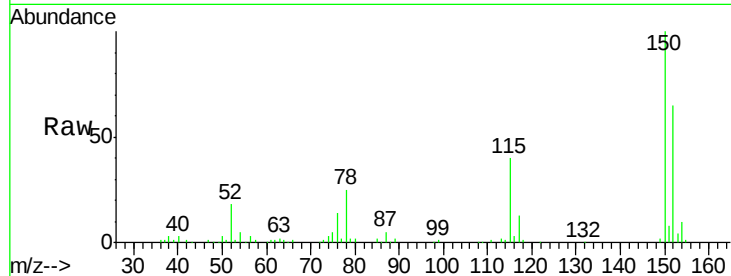


#1

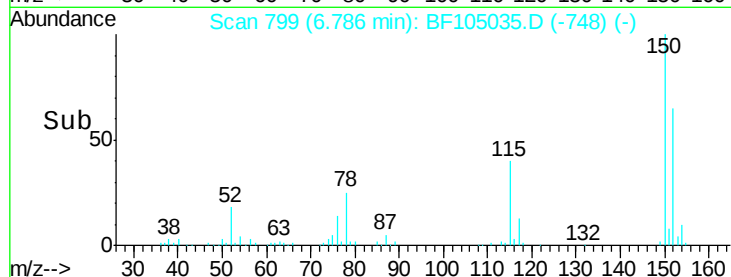
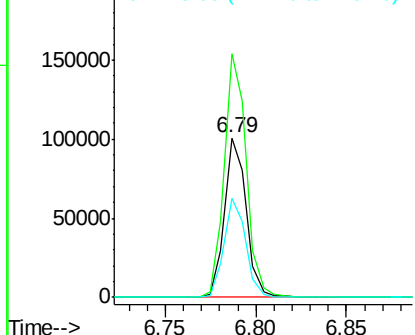
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84637
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 61.8 50.1 75.1



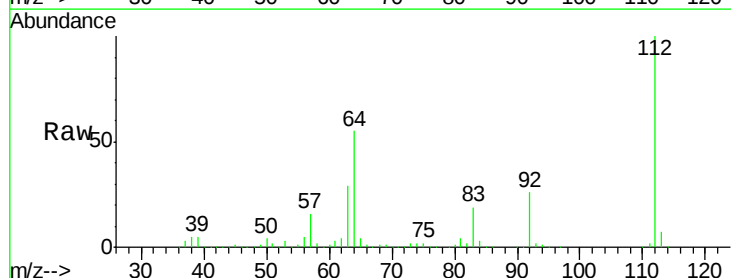
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



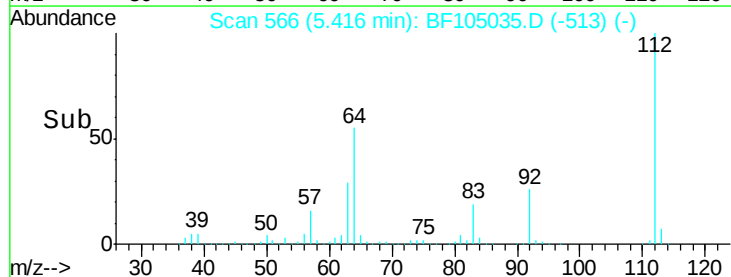
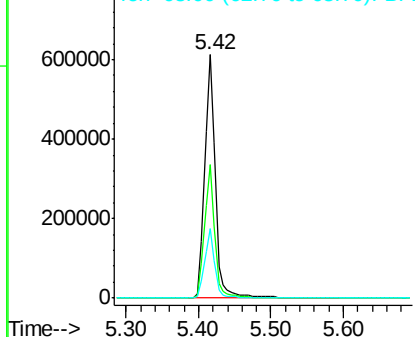
#5

2-Fluorophenol
Concen: 114.959 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Tgt Ion:112 Resp: 636324
Ion Ratio Lower Upper
112 100
64 54.8 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: 100.584 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105035.D

Acq: 2 May 2018 17:09

Instrument :

BNA_F

ClientSampleId :

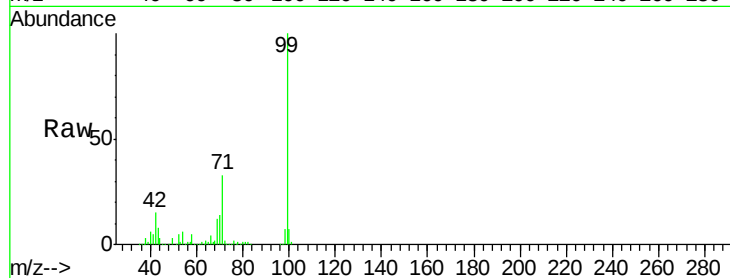
Tot Ion: 99 Resp: 684075

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

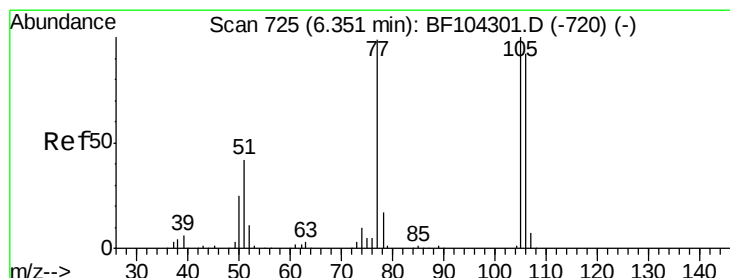
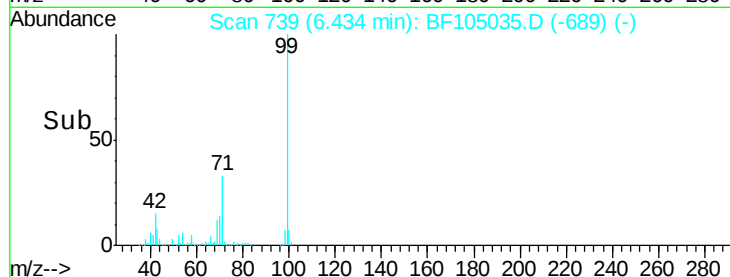
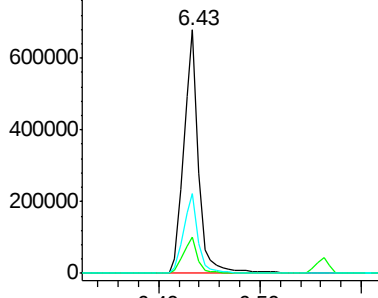
71 33.0 25.4 38.0



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: 2.078 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.22 min

Lab File: BF105035.D

Acq: 2 May 2018 17:09

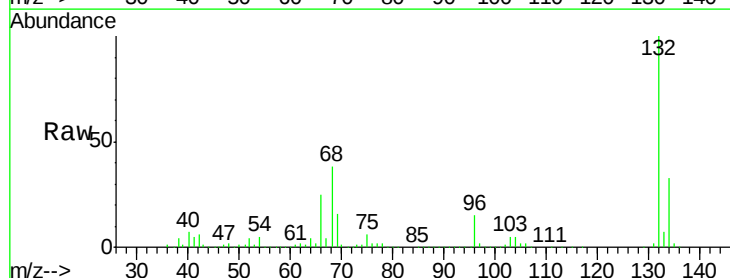
Tgt Ion: 77 Resp: 14987

Ion Ratio Lower Upper

77 100

105 85.4 81.1 121.1

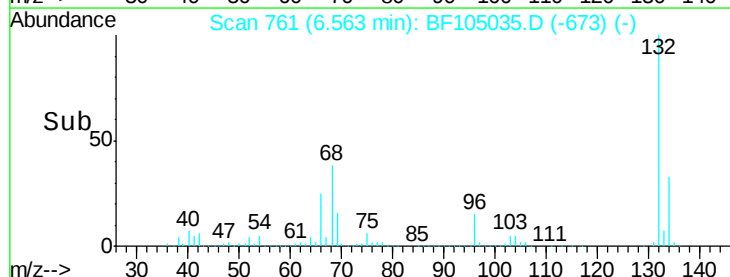
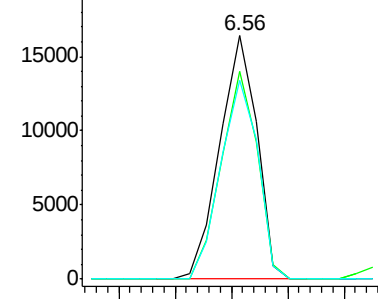
106 81.9 74.5 114.5



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

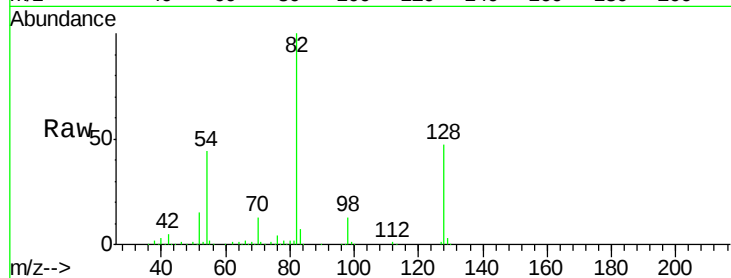




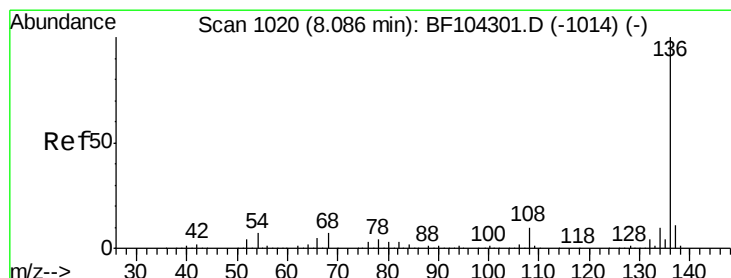
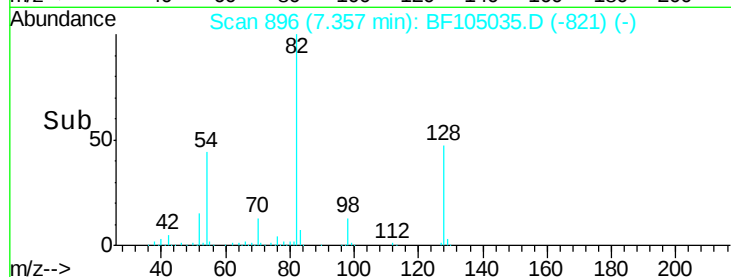
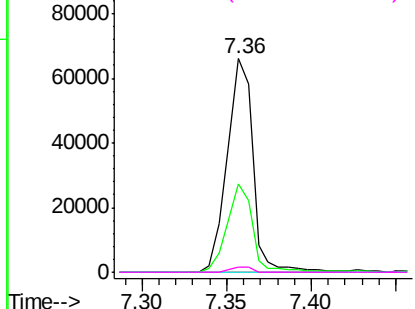
#19
n-Nitroso-di-n-propylamine
Concen: 15.722 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 69870
Ion Ratio Lower Upper
70 100
42 41.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

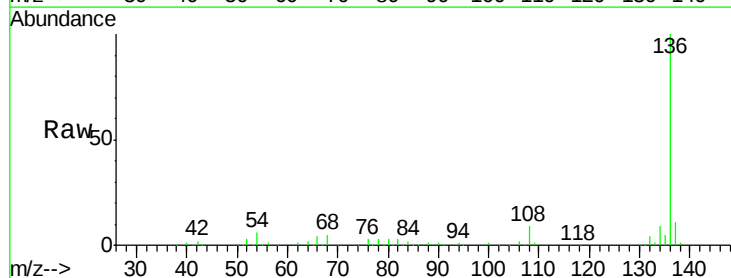


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

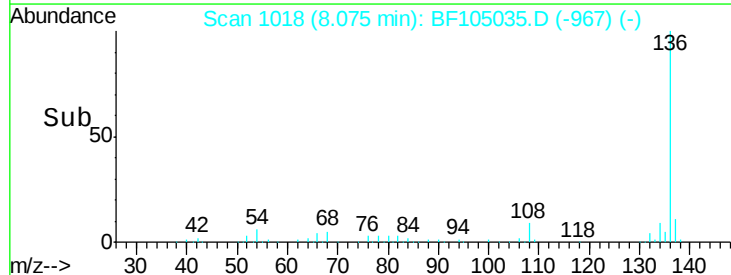
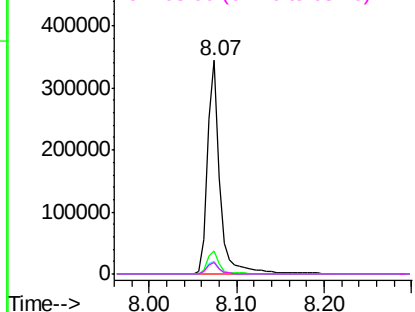


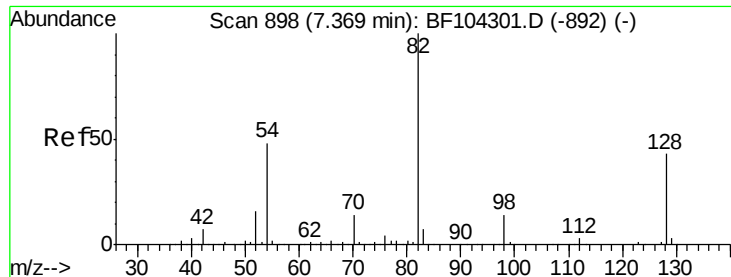
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Tgt Ion:136 Resp: 341257
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.1 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

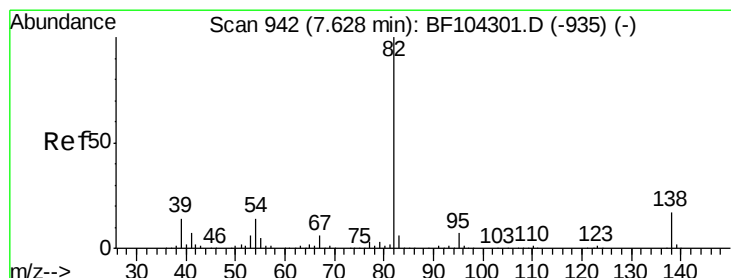
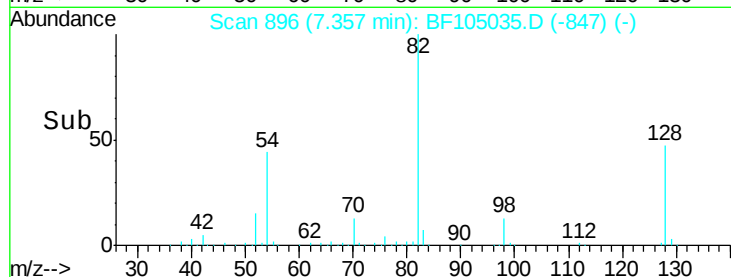
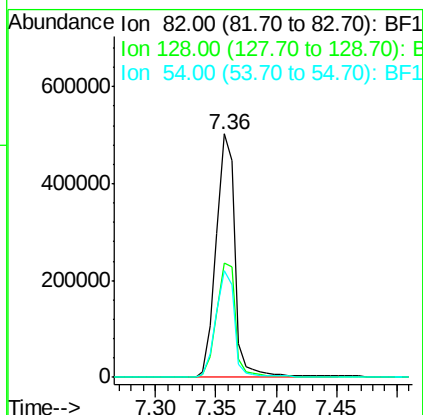
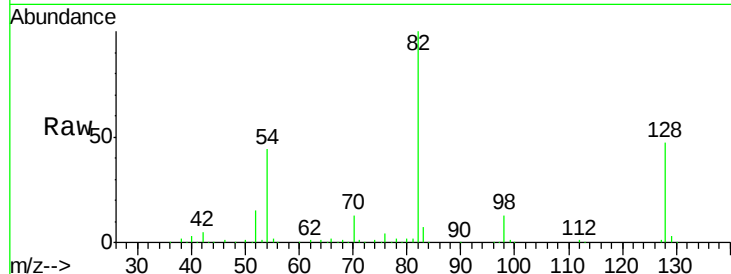




#23
Nitrobenzene-d5
Concen: 103.463 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

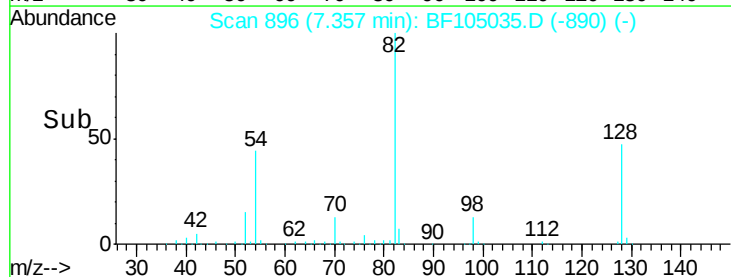
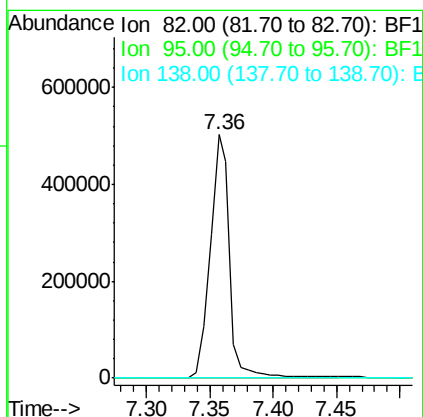
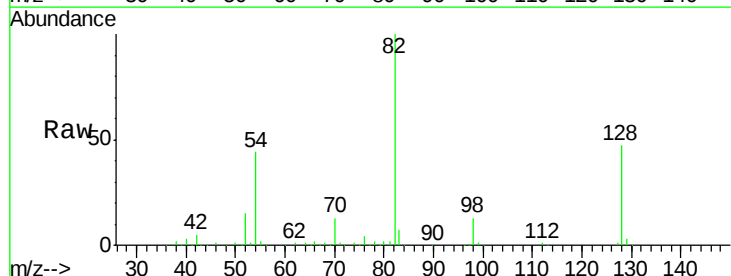
Instrument :
BNA_F
ClientSampleId :

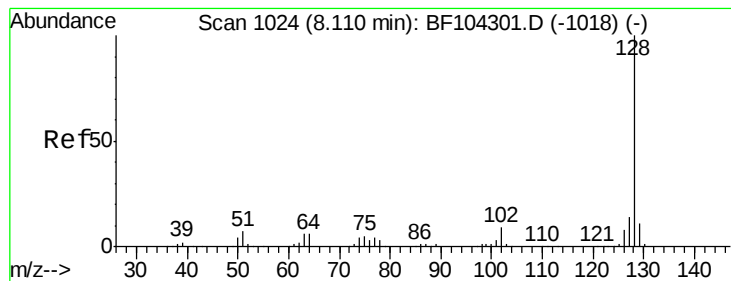
Tot Ion: 82 Resp: 540714
Ion Ratio Lower Upper
82 100
128 46.9 36.1 54.1
54 43.8 41.4 62.2



#25
Isophorone
Concen: 48.927 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Tgt Ion: 82 Resp: 540707
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 2.067 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105035.D

Acq: 2 May 2018 17:09

Instrument :

BNA_F

ClientSampleId :

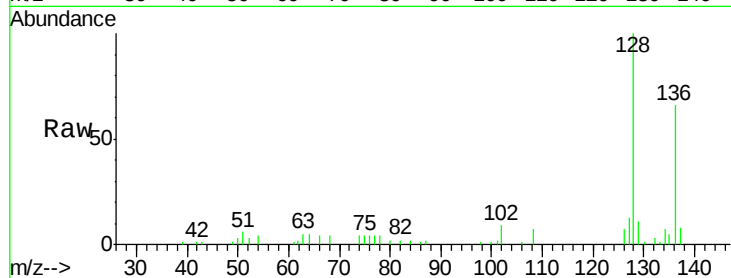
Tot Ion:128 Resp: 35127

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

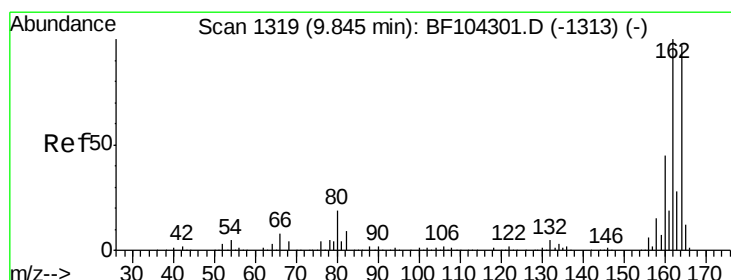
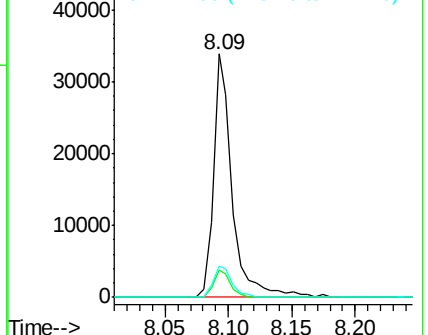
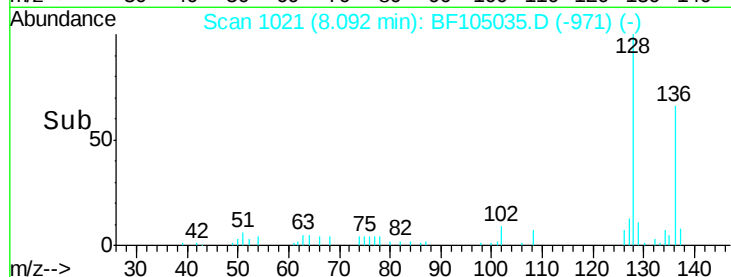
127 12.6 10.9 16.3



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: BF105035.D

Acq: 2 May 2018 17:09

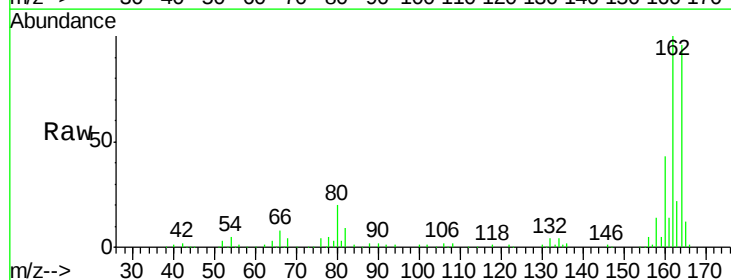
Tgt Ion:164 Resp: 155025

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

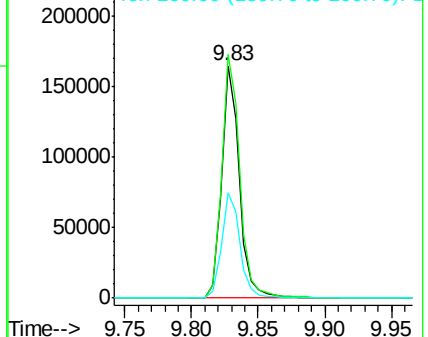
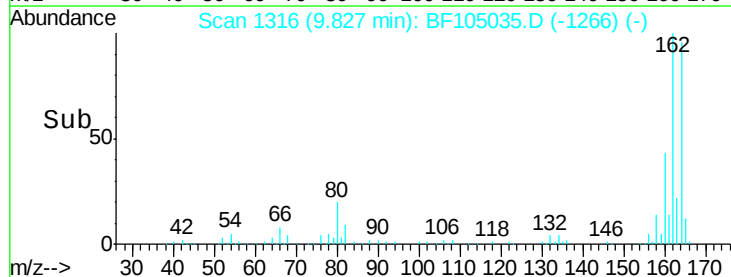
160 45.5 38.3 57.5

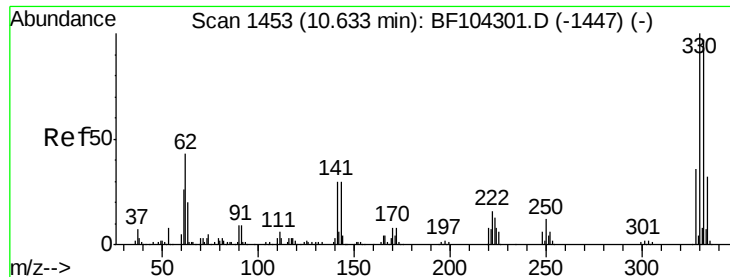


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

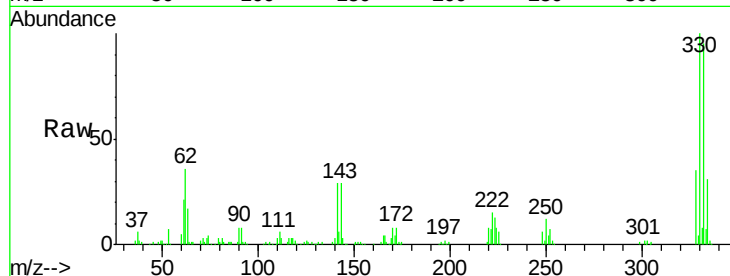




#41
 2,4,6-Tribromophenol
 Concen: 133.652 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.1	29.9	44.9

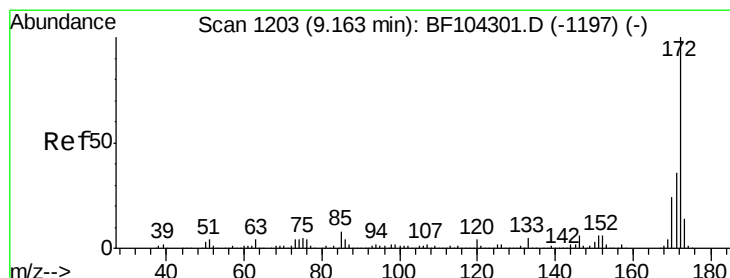
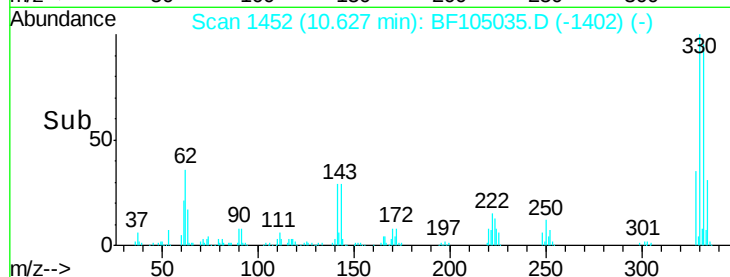
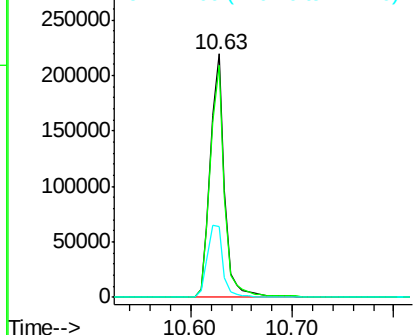


Abundance

Ion 329.80 (329.50 to 330.50): E

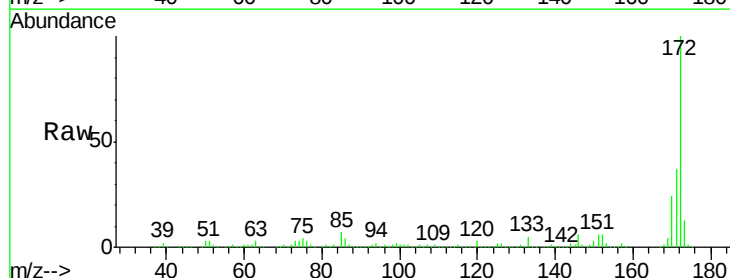
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.776 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	19.6	29.4

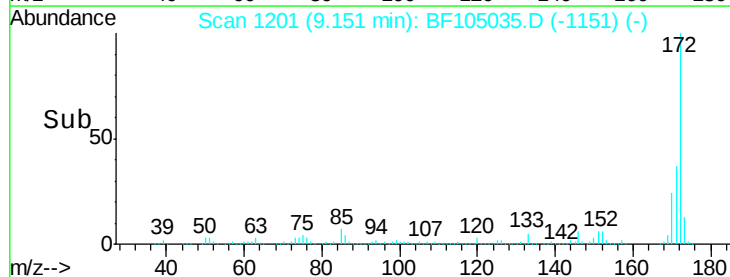
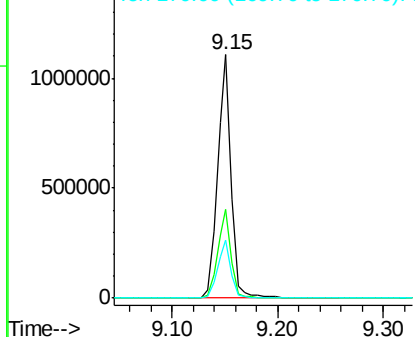


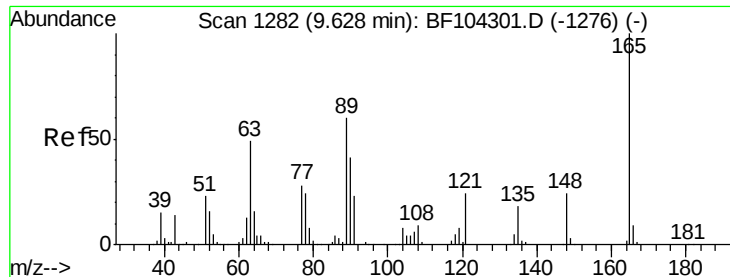
Abundance

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

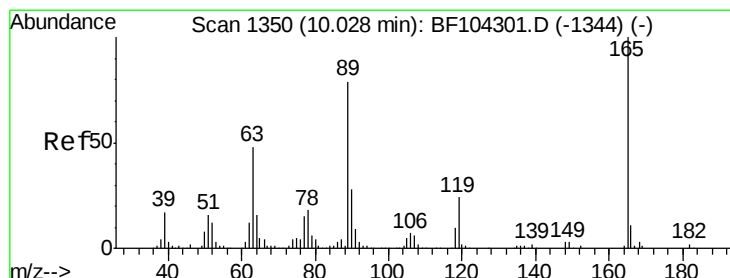
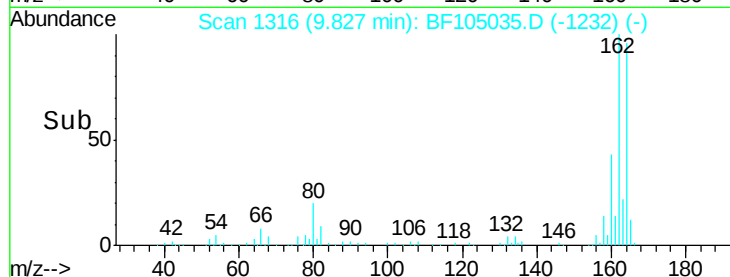
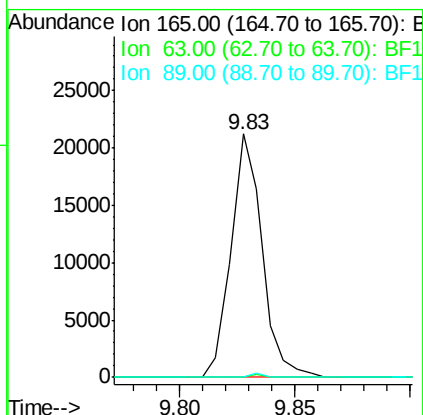
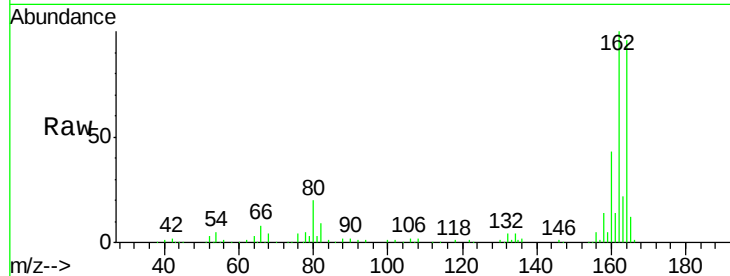




#50
 2,6-Dinitrotoluene
 Concen: 8.778 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

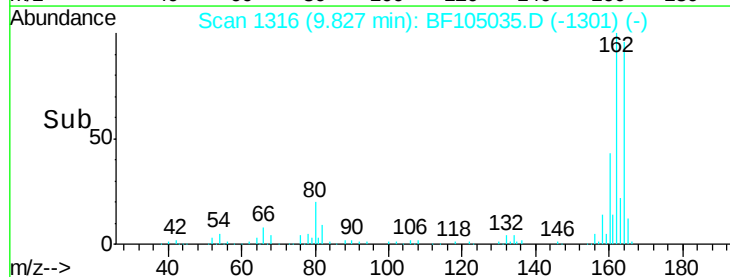
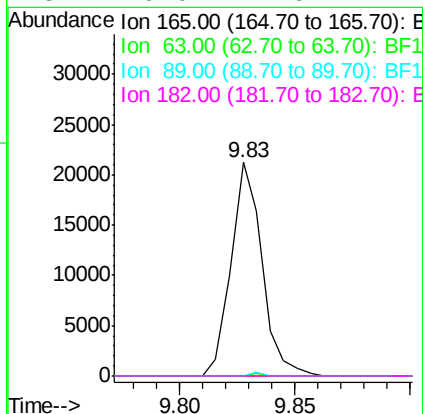
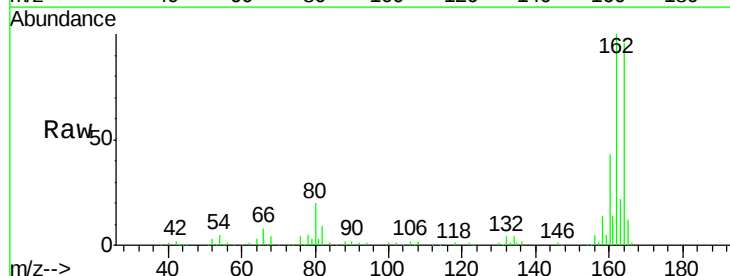
Instrument :
 BNA_F
 ClientSampleId :

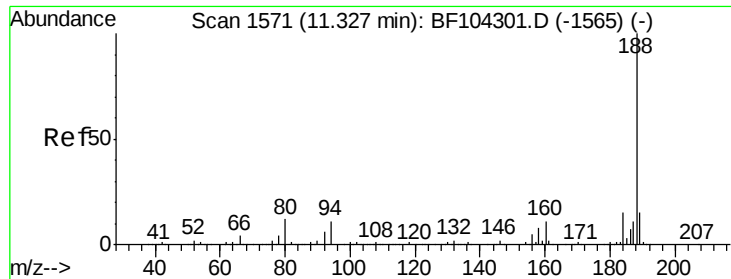
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.692 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

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

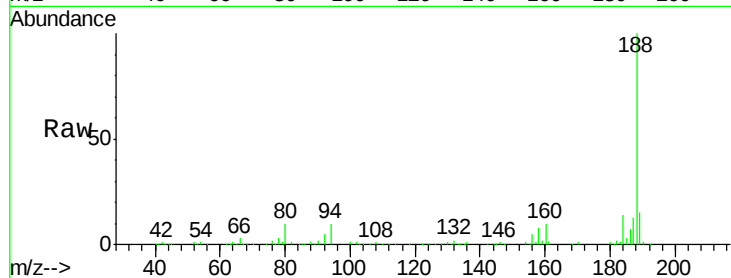




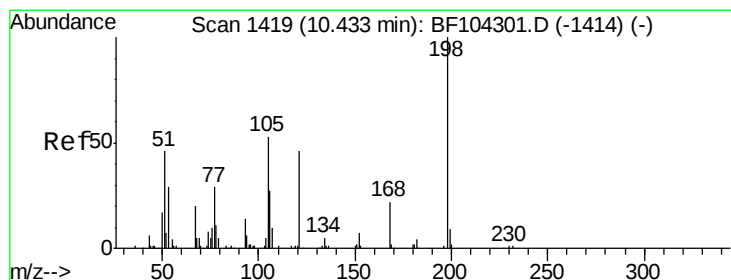
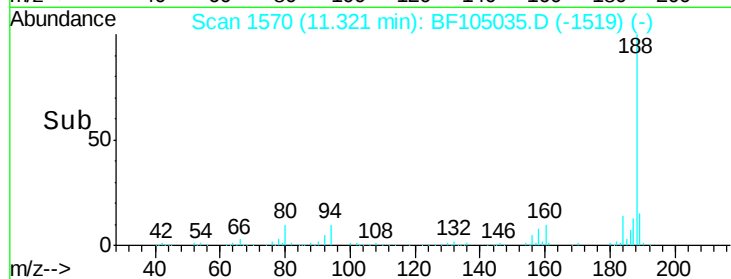
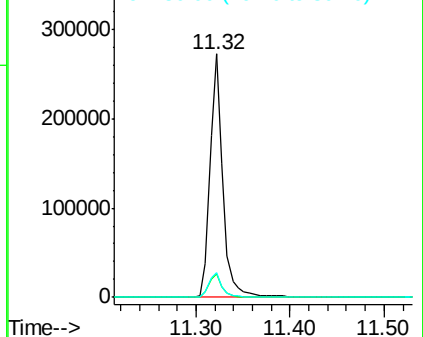
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 263167
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.1 9.2 13.8

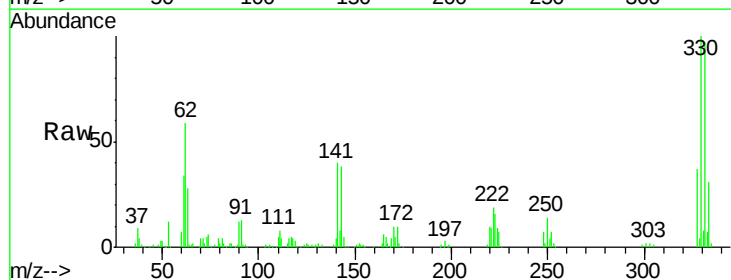


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

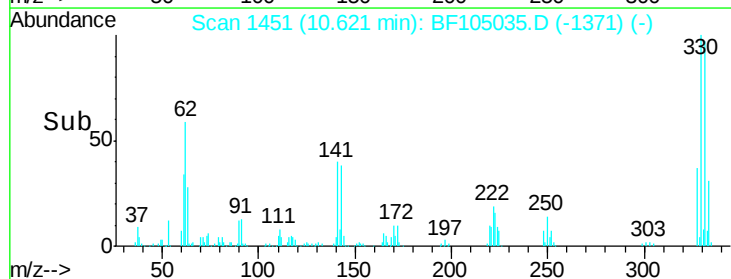
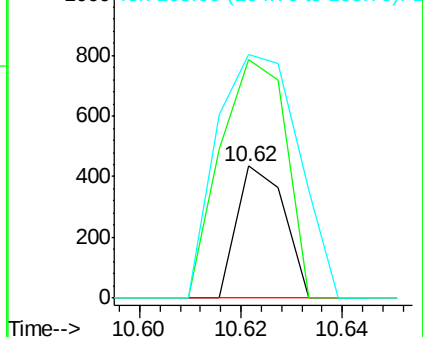


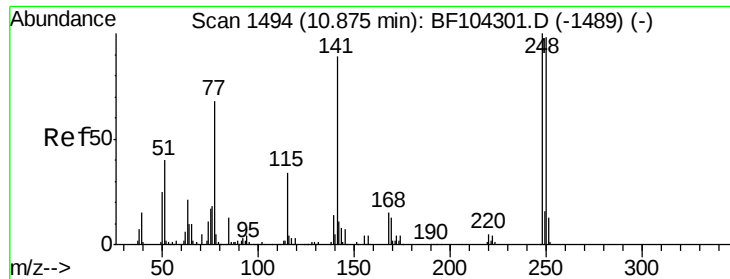
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.533 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Tgt Ion:198 Resp: 282
 Ion Ratio Lower Upper
 198 100
 51 180.7 37.7 77.7#
 105 184.4 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

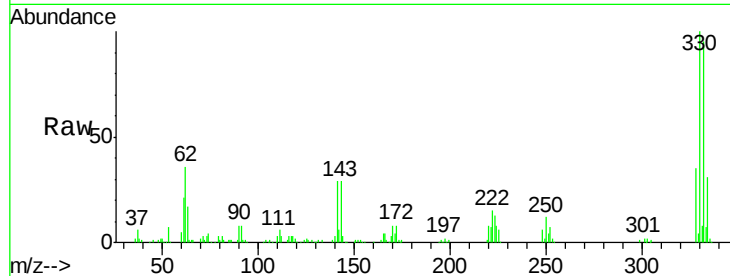




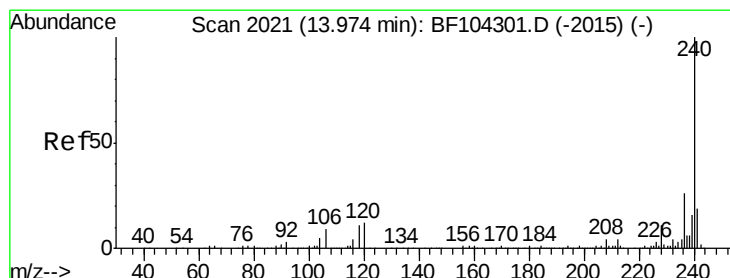
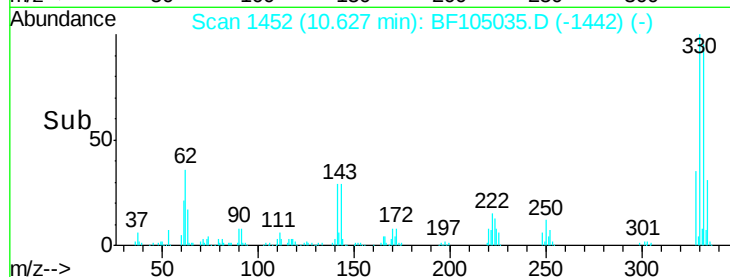
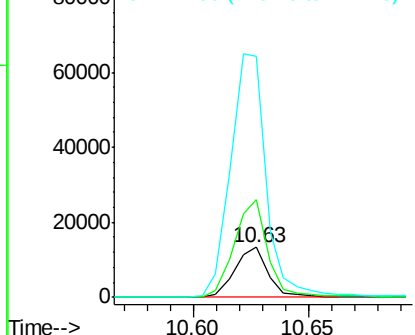
#66
4-Bromophenyl-phenylether
Concen: 4.731 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13242
Ion Ratio Lower Upper
248 100
250 196.6 76.9 115.3#
141 483.4 74.4 111.6#

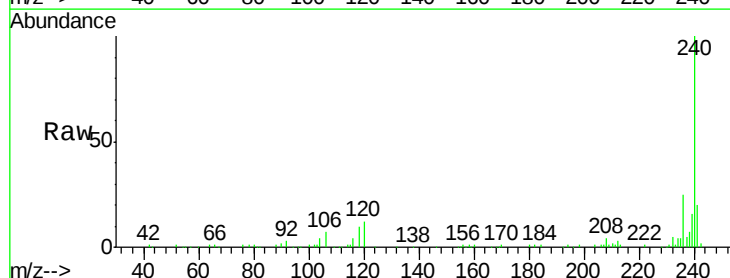


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

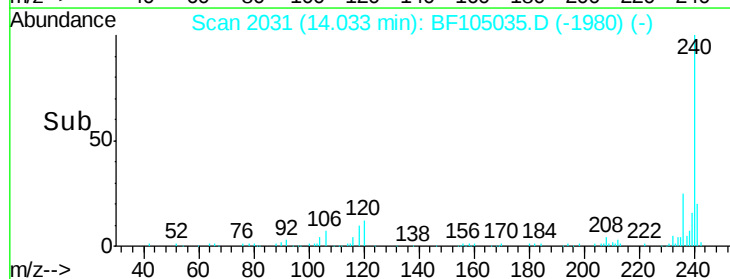
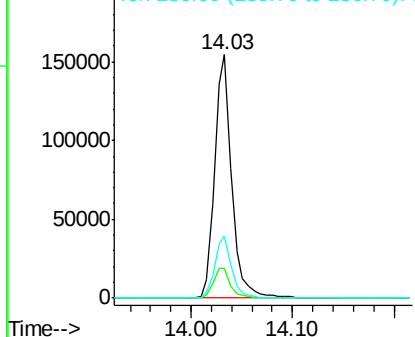


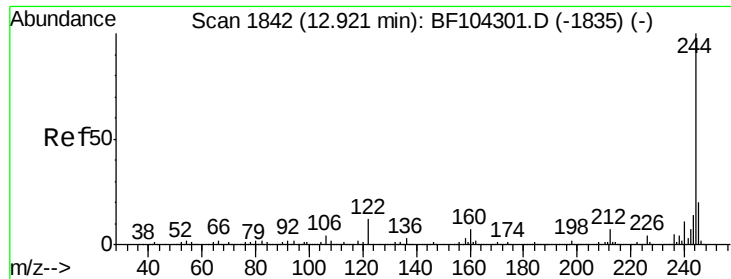
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF105035.D
Acq: 2 May 2018 17:09

Tgt Ion:240 Resp: 180445
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 25.5 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

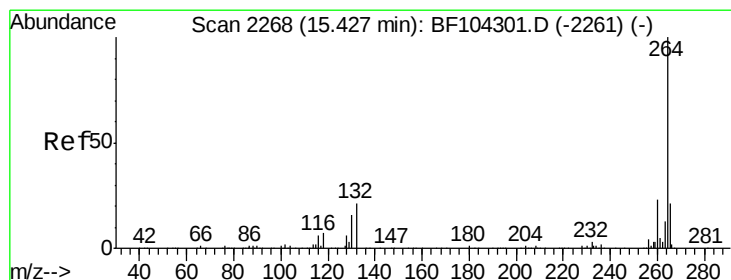
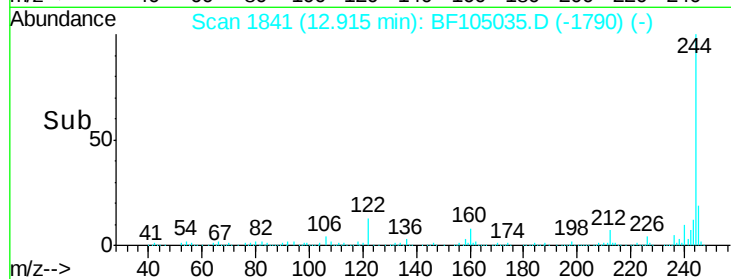
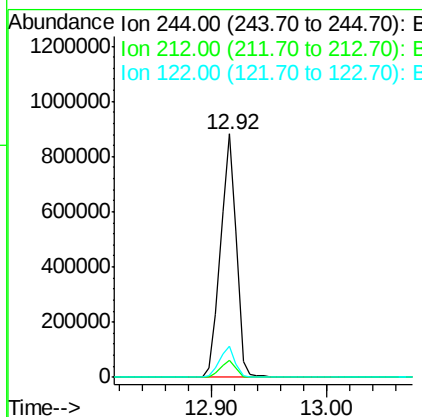
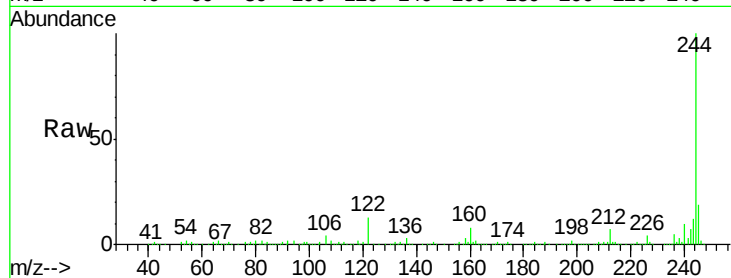




#78
 Terphenyl-d14
 Concen: 105.930 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 838422
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.02 min
 Lab File: BF105035.D
 Acq: 2 May 2018 17:09

Tgt Ion:264 Resp: 167388
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.6 17.5 26.3

