

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\
 Data File : BF105075.D
 Acq On : 3 May 2018 16:27
 Operator : JU/SJ
 Sample : PB108807BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 04 01:54:23 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

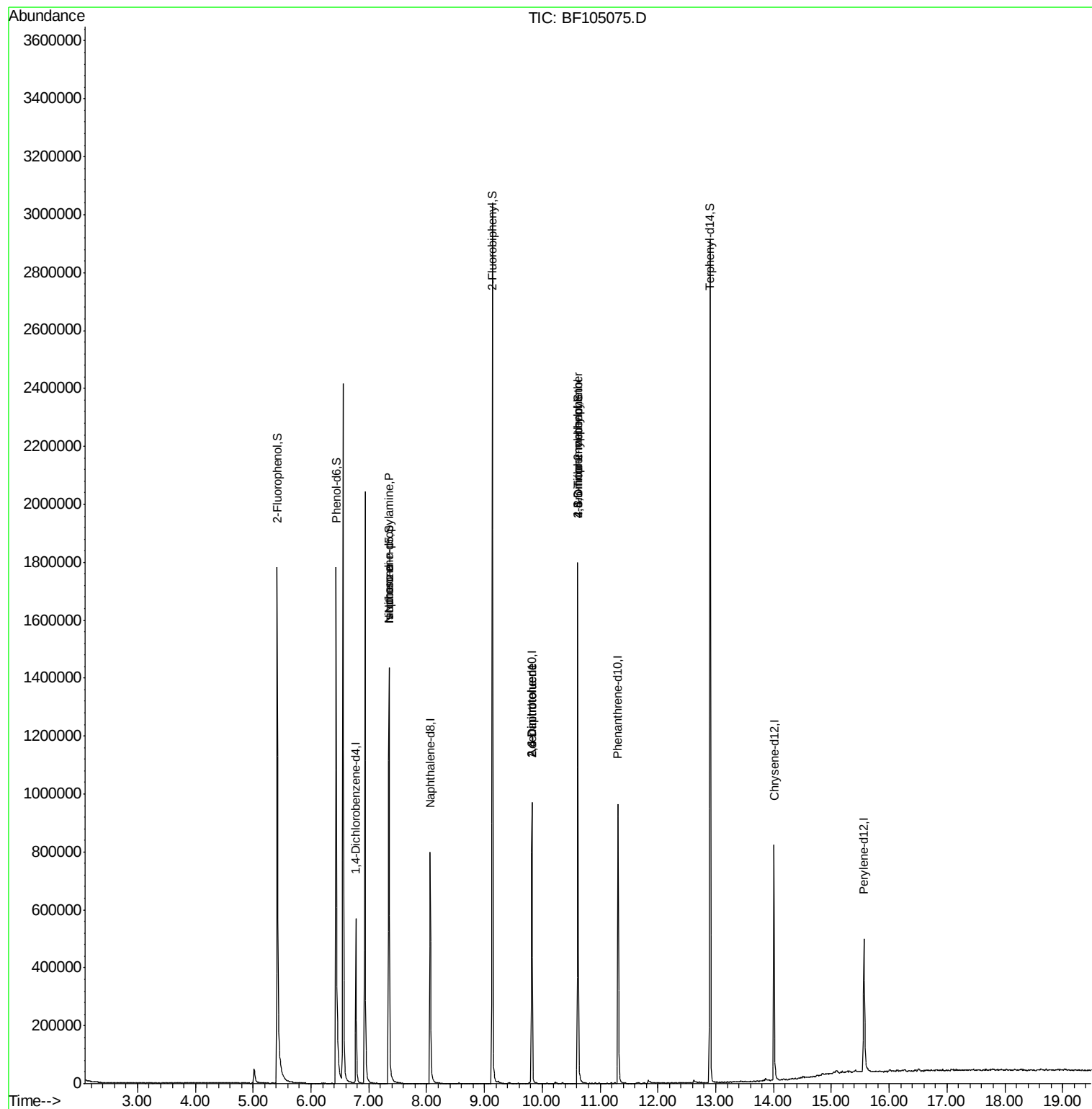
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	103257	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	437592	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	214182	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	420255	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	328683	20.00	ng	-0.02
86) Perylene-d12	15.57	264	244660	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	775339	114.81	ng	0.01
7) Phenol-d6	6.43	99	908233	109.46	ng	0.00
23) Nitrobenzene-d5	7.35	82	551348	82.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	276771	124.57	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1086078	80.11	ng	-0.02
78) Terphenyl-d14	12.90	244	1208360	83.81	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	71833	13.25	ng	# 72
25) Isophorone	7.35	82	551346	38.91	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	27102	8.67	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	27102	6.61	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	572	7.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	16524	3.70	ng	# 1
76) Benzidine	12.90	184	15704	Below Cal		# 95

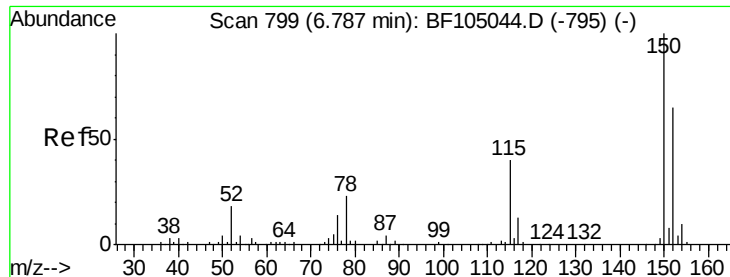
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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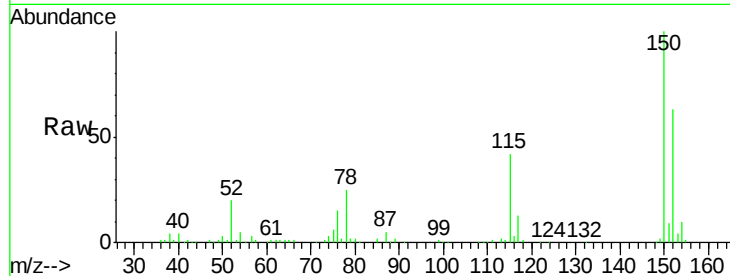


#1

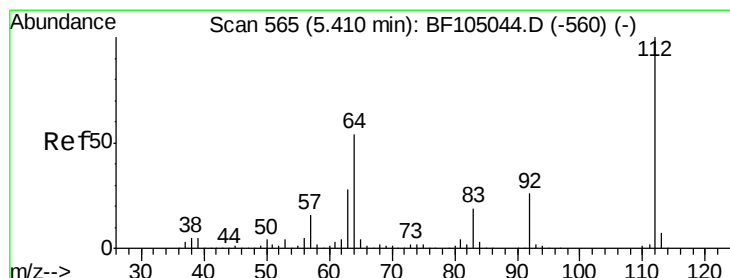
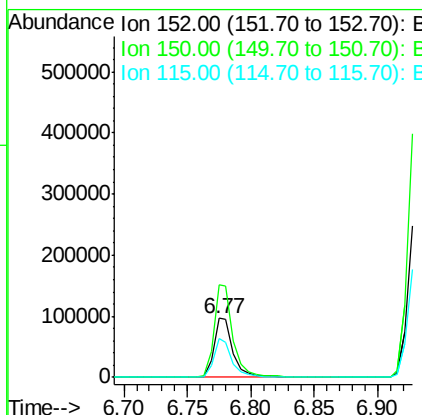
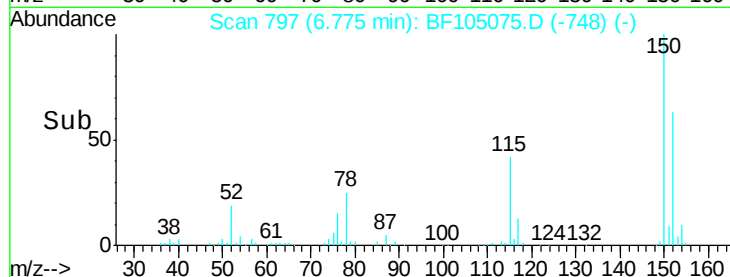
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103257
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 65.8 50.1 75.1



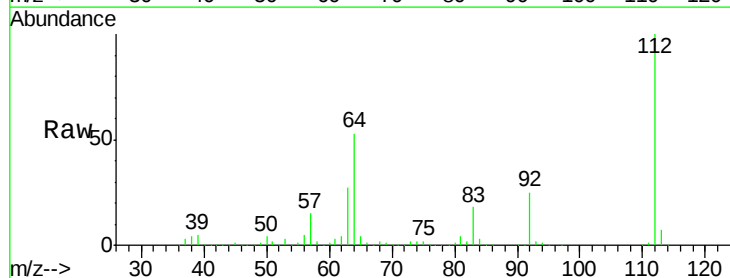
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



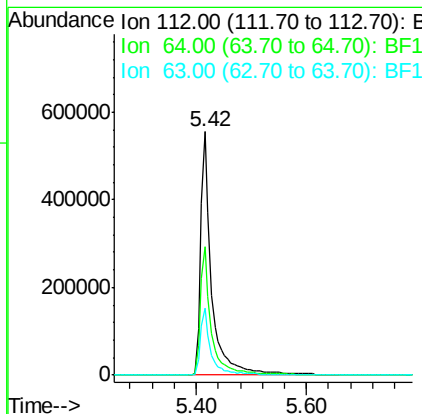
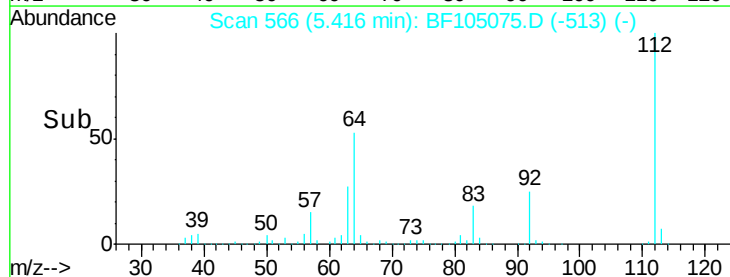
#5

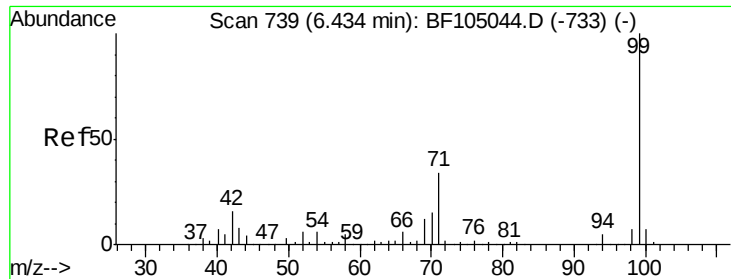
2-Fluorophenol
Concen: 114.81 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Tgt Ion:112 Resp: 775339
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 27.4 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: 109.46 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105075.D

Acq: 3 May 2018 16:27

Instrument :

BNA_F

ClientSampleId :

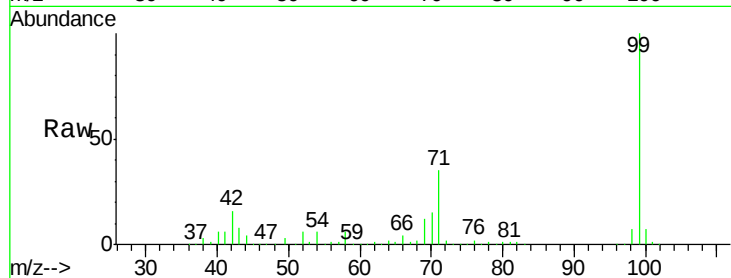
Tot Ion: 99 Resp: 908233

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

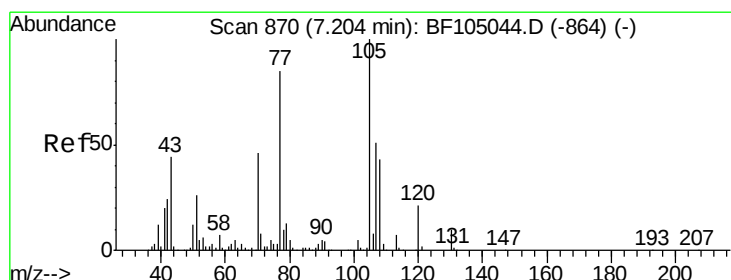
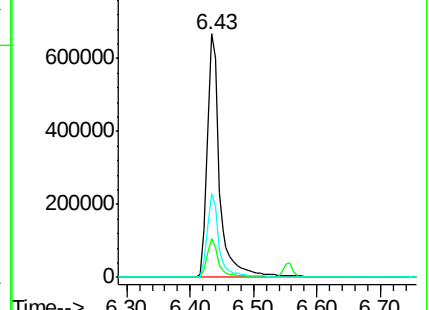
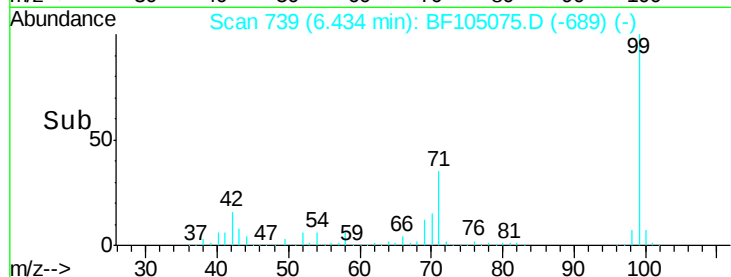
71 34.6 25.4 38.0



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: 13.25 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF105075.D

Acq: 3 May 2018 16:27

Tgt Ion: 70 Resp: 71833

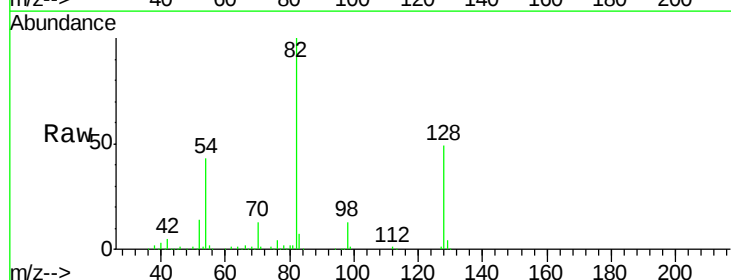
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

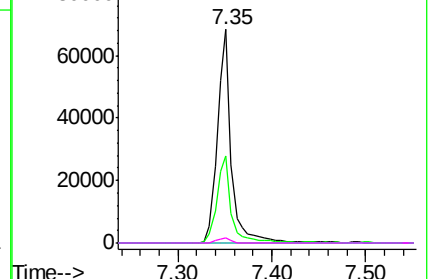
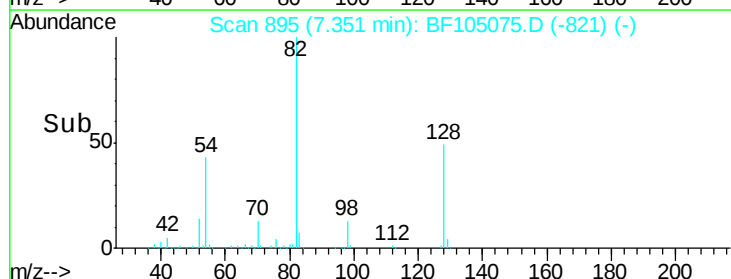


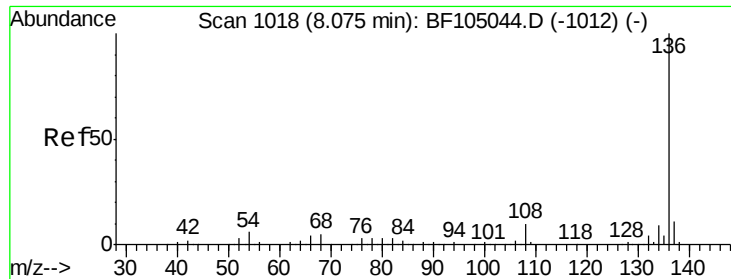
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

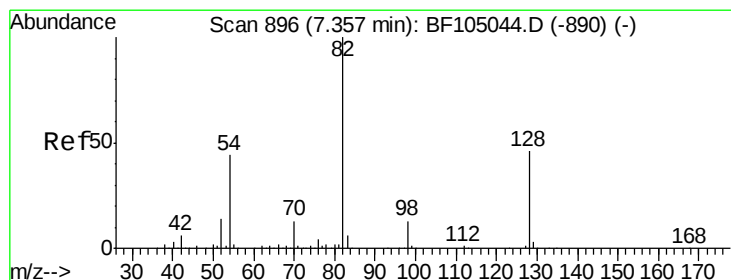
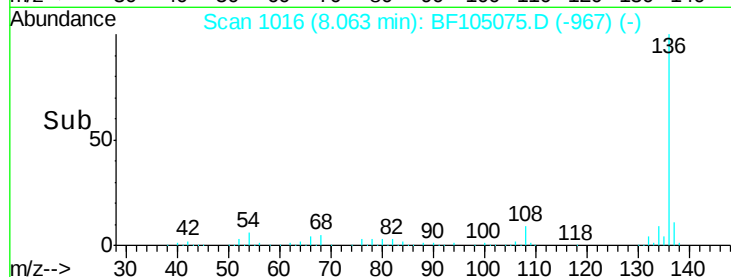
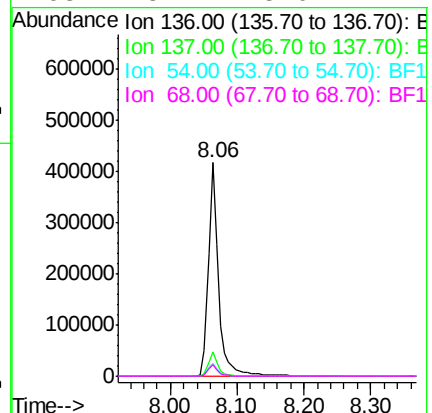
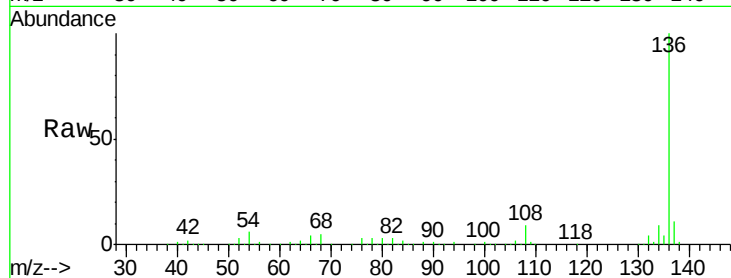




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

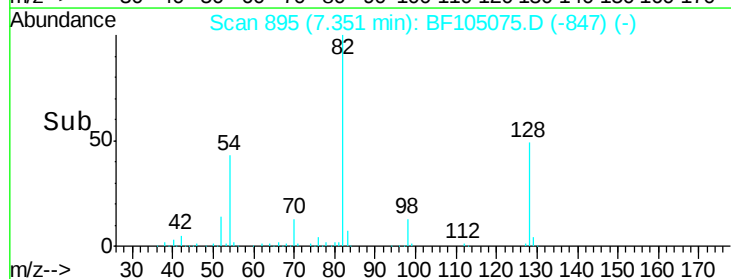
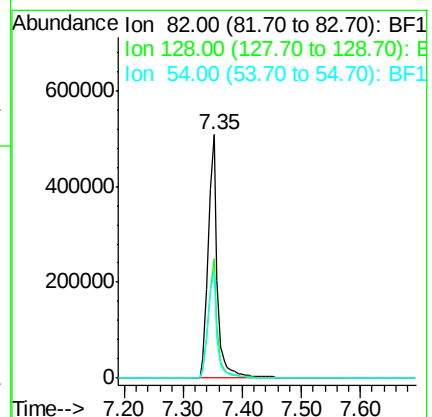
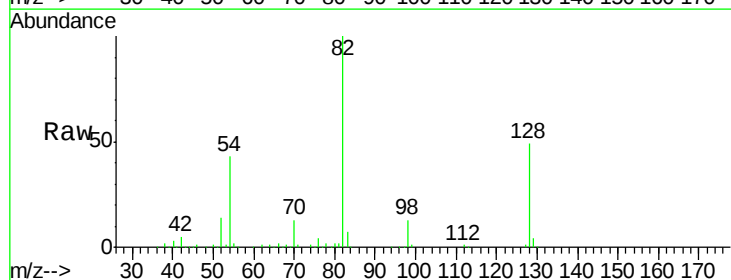
Instrument :
BNA_F
ClientSampleId :

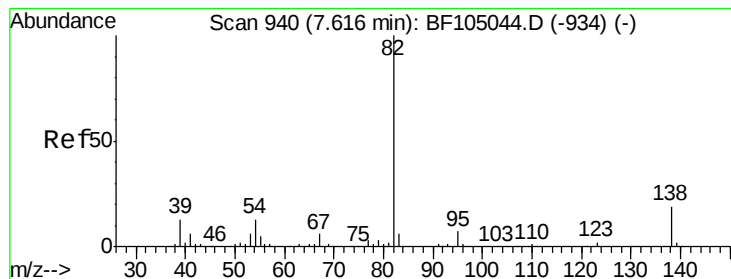
Tot Ion:136	Resp:	437592
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	6.3	6.6 9.8#
68	5.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 82.27 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Tgt Ion: 82	Resp:	551348
Ion Ratio	Lower	Upper
82	100	
128	48.9	36.1 54.1
54	43.1	41.4 62.2





#25

Isophorone

Concen: 38.91 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF105075.D

Acq: 3 May 2018 16:27

Instrument :

BNA_F

ClientSampleId :

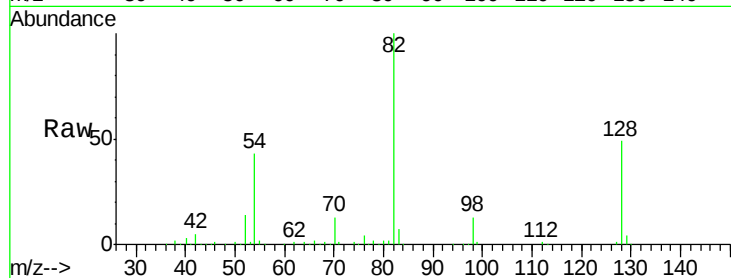
Tot Ion: 82 Resp: 551346

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

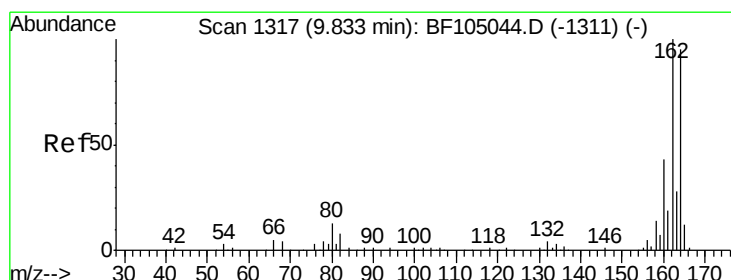
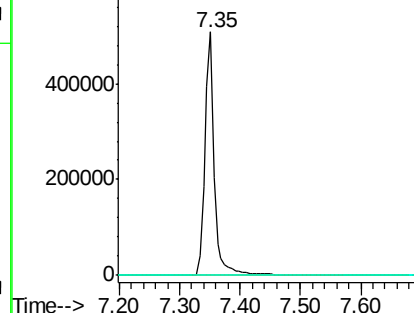
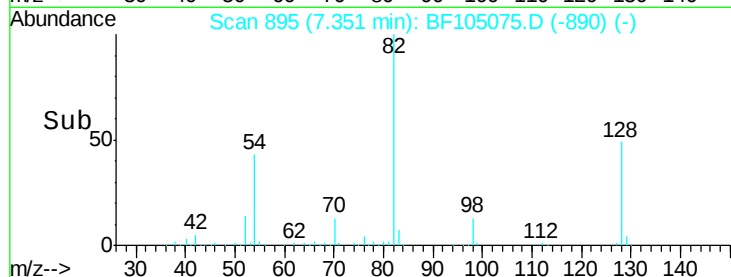
138 0.0 14.9 22.3#



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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105075.D

Acq: 3 May 2018 16:27

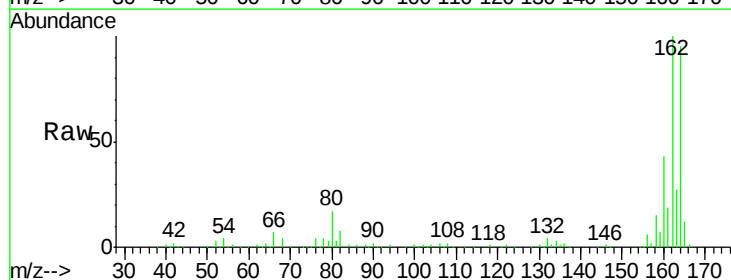
Tgt Ion: 164 Resp: 214182

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

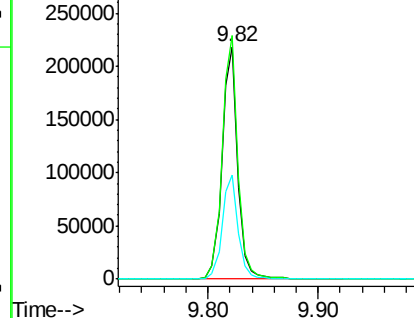
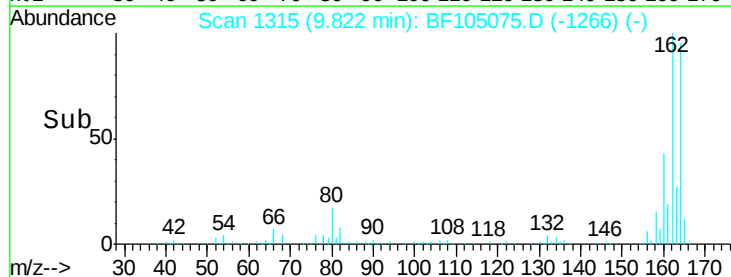
160 45.1 38.3 57.5

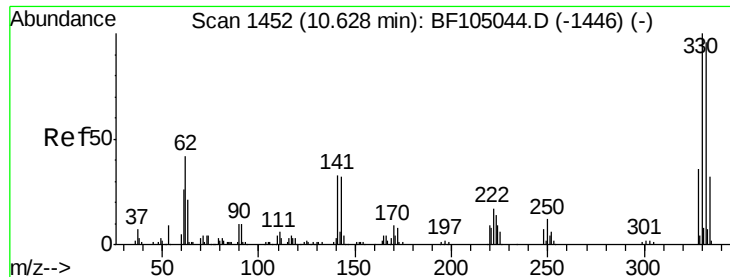


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

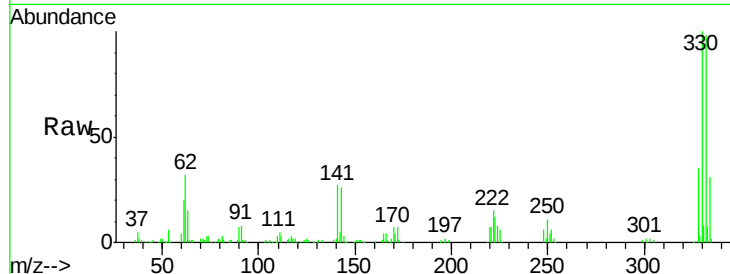




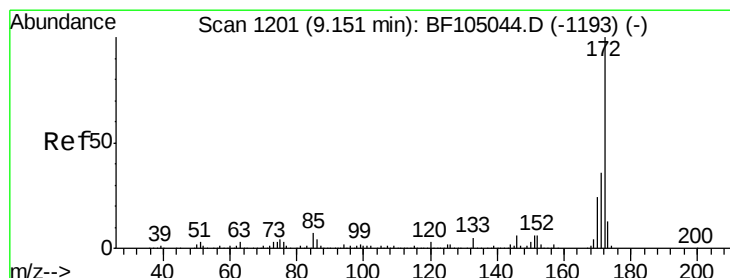
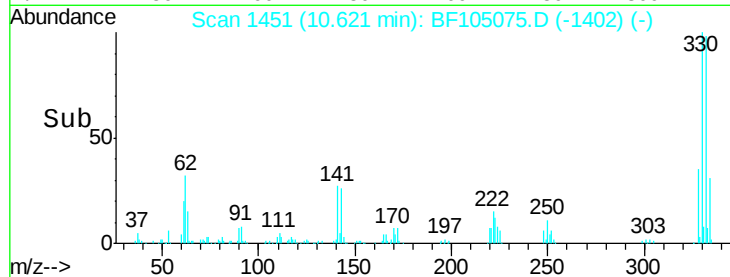
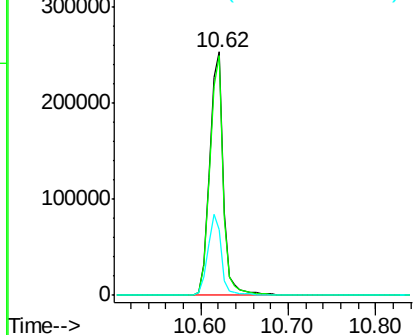
#41
 2,4,6-Tribromophenol
 Concen: 124.57 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.0	29.9	44.9

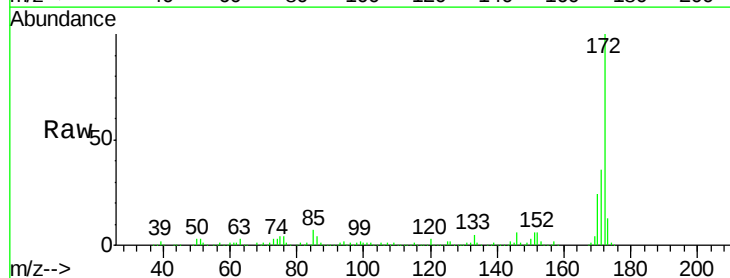


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

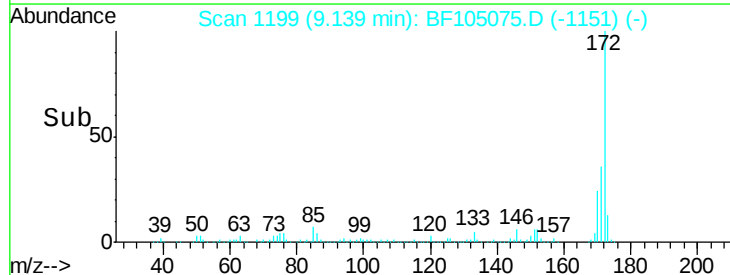
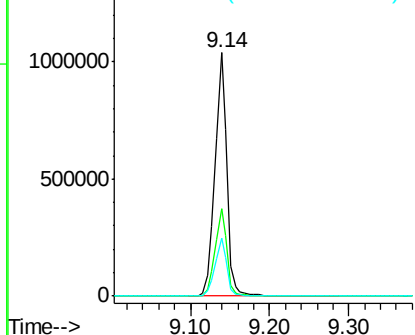


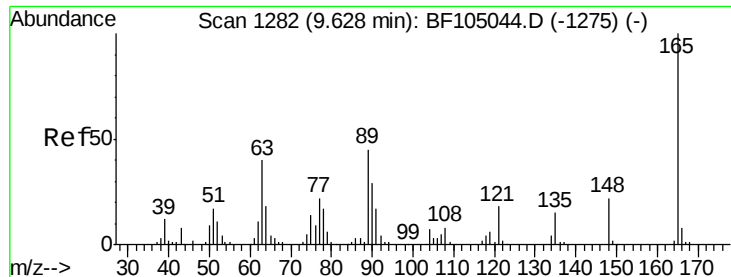
#44
 2-Fluorobiphenyl
 Concen: 80.11 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	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

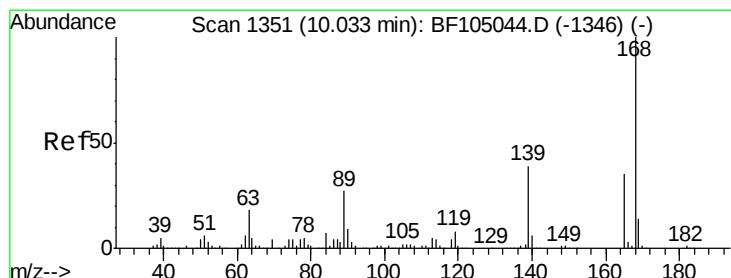
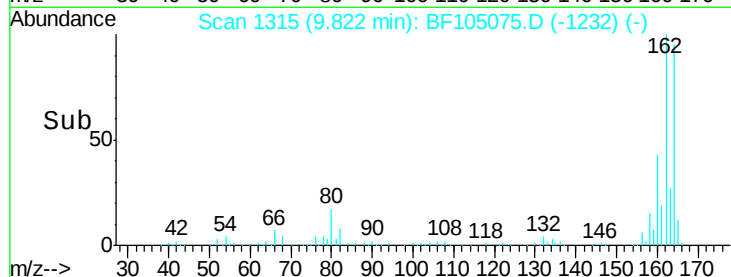
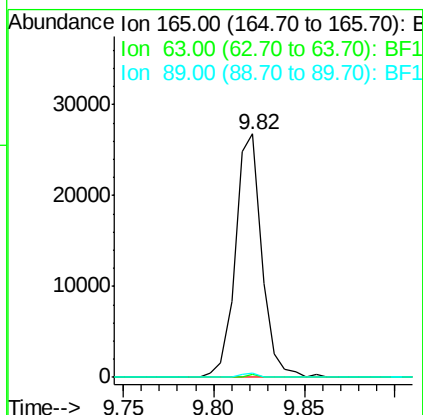
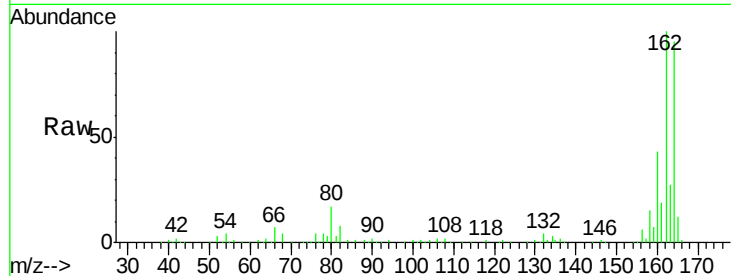




#50
 2,6-Dinitrotoluene
 Concen: 8.67 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

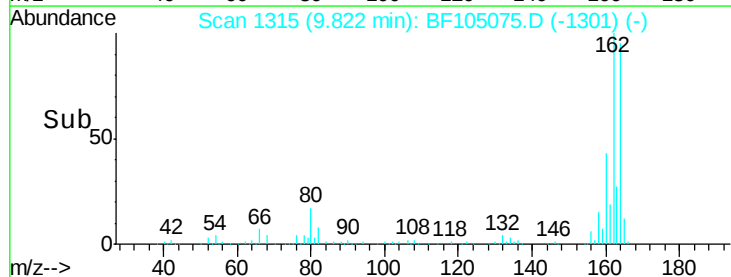
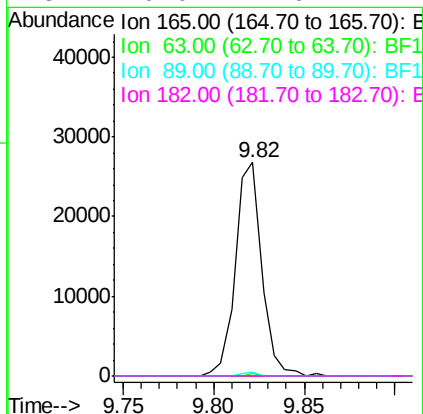
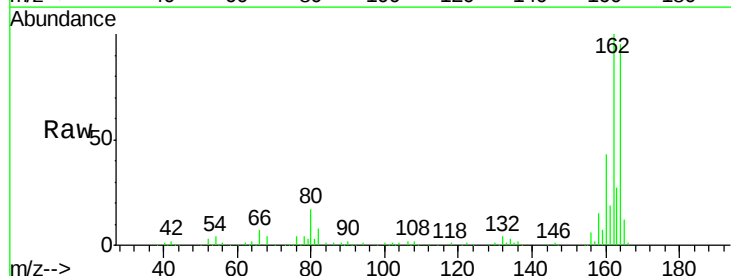
Instrument :
 BNA_F
 ClientSampleId :

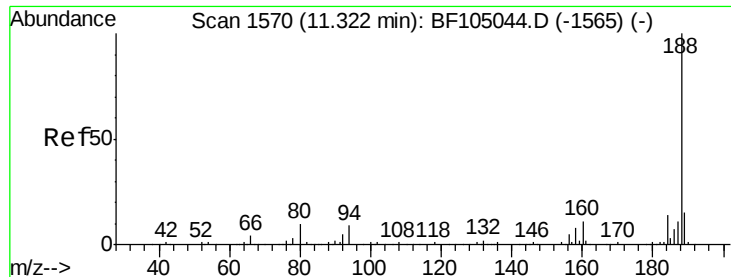
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

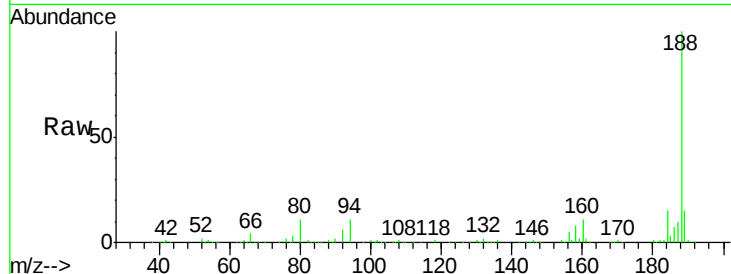




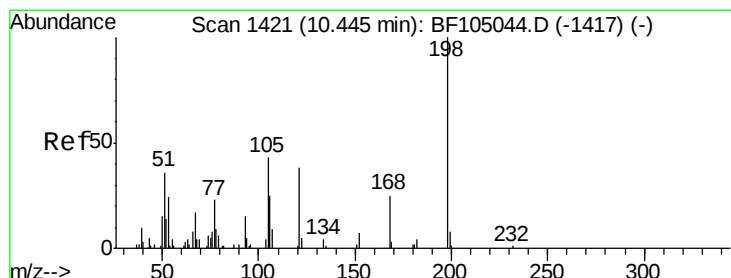
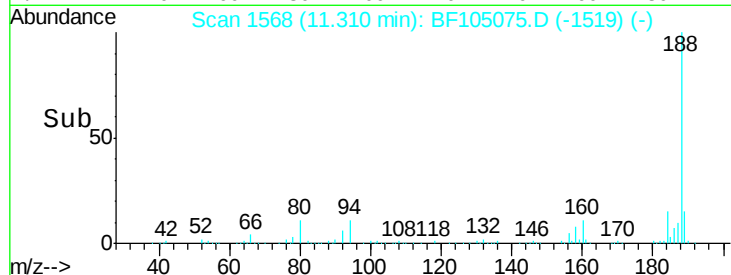
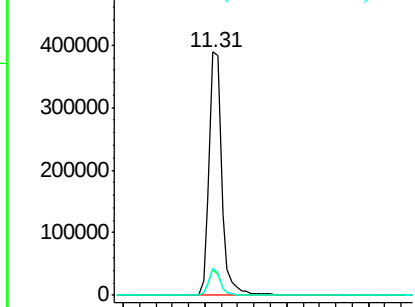
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 420255
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.2 9.2 13.8

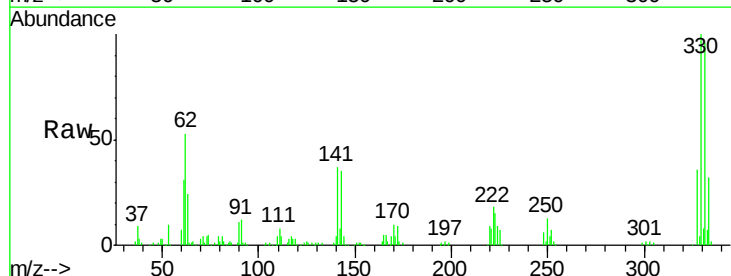


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

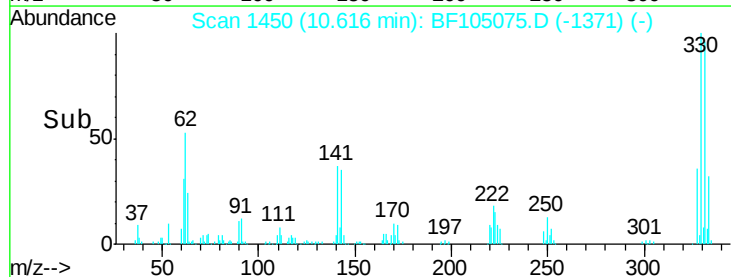
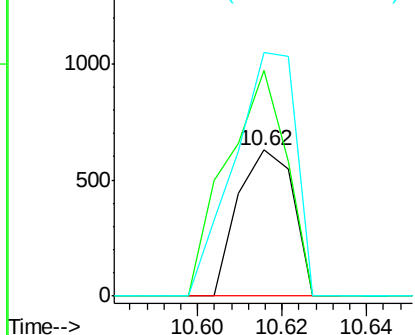


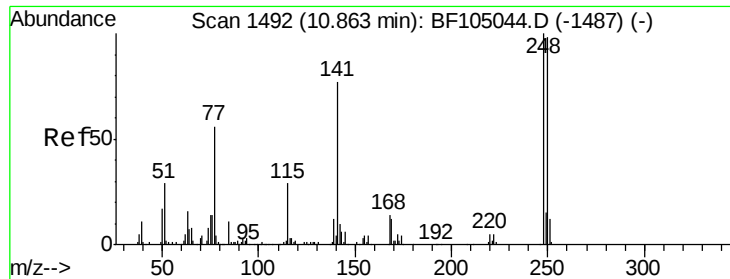
#64
4,6-Dinitro-2-methylphenol
Concen: 7.58 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.16 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Tgt Ion:198 Resp: 572
Ion Ratio Lower Upper
198 100
51 154.5 37.7 77.7#
105 166.9 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

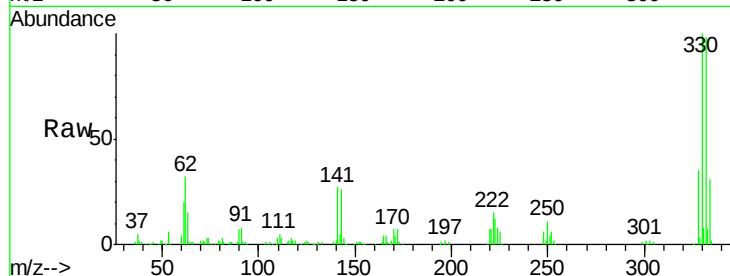




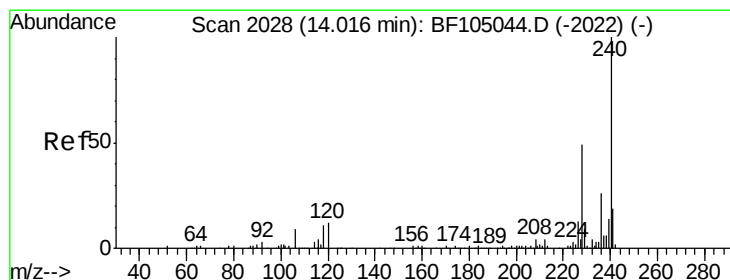
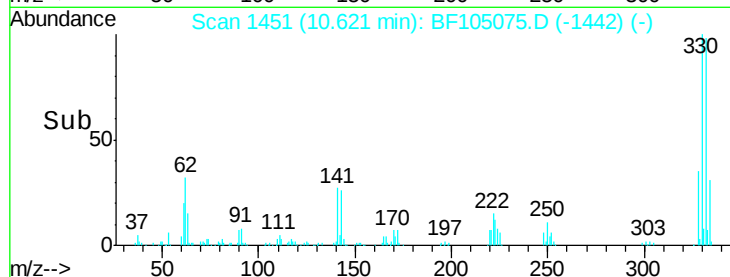
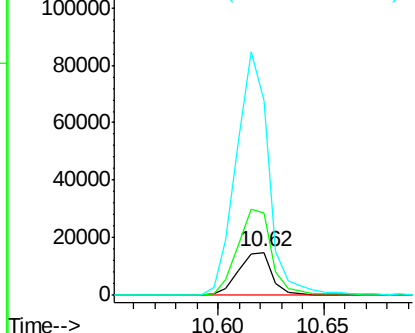
#66
4-Bromophenyl-phenylether
Concen: 3.70 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16524
Ion Ratio Lower Upper
248 100
250 191.0 76.9 115.3#
141 455.4 74.4 111.6#

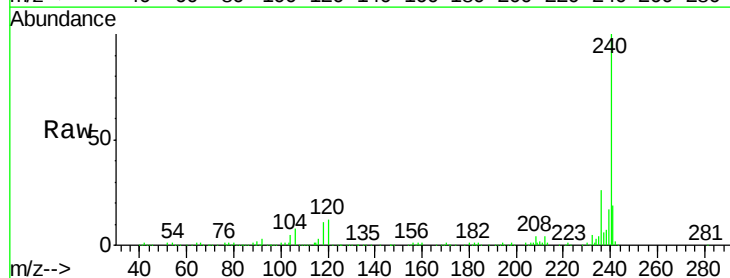


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

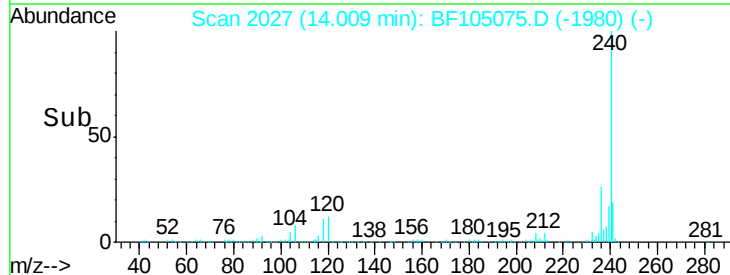
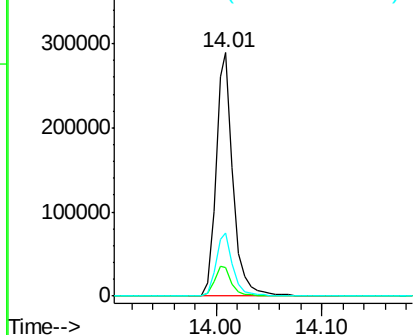


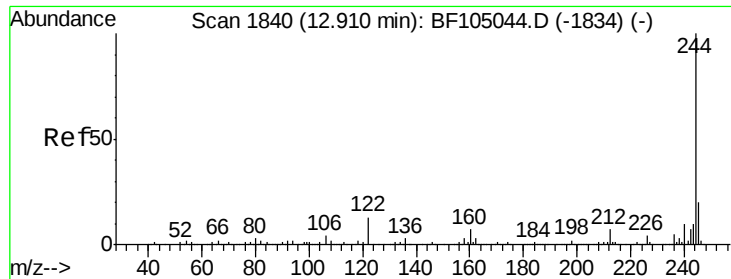
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF105075.D
Acq: 3 May 2018 16:27

Tgt Ion:240 Resp: 328683
Ion Ratio Lower Upper
240 100
120 11.7 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

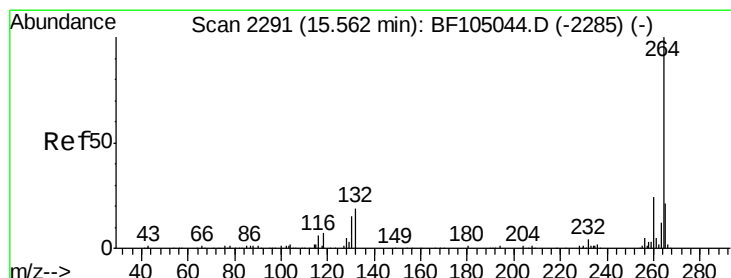
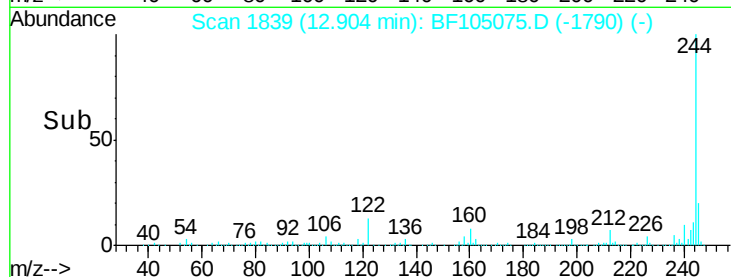
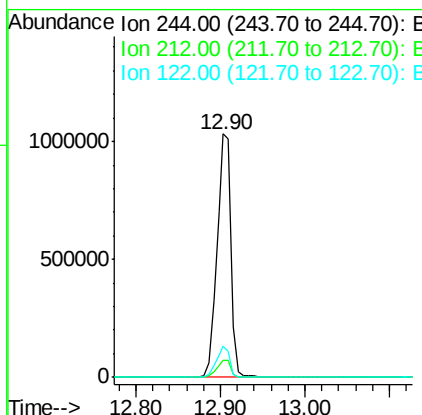
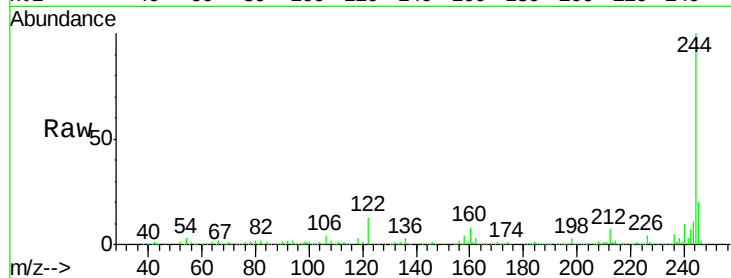




#78
 Terphenyl-d14
 Concen: 83.81 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1208360
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: BF105075.D
 Acq: 3 May 2018 16:27

Tgt Ion:264 Resp: 244660
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 22.1 17.5 26.3

