

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104974.D
 Acq On : 1 May 2018 10:27
 Operator : JU/SJ
 Sample : PB108718BL
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 11:20:13 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

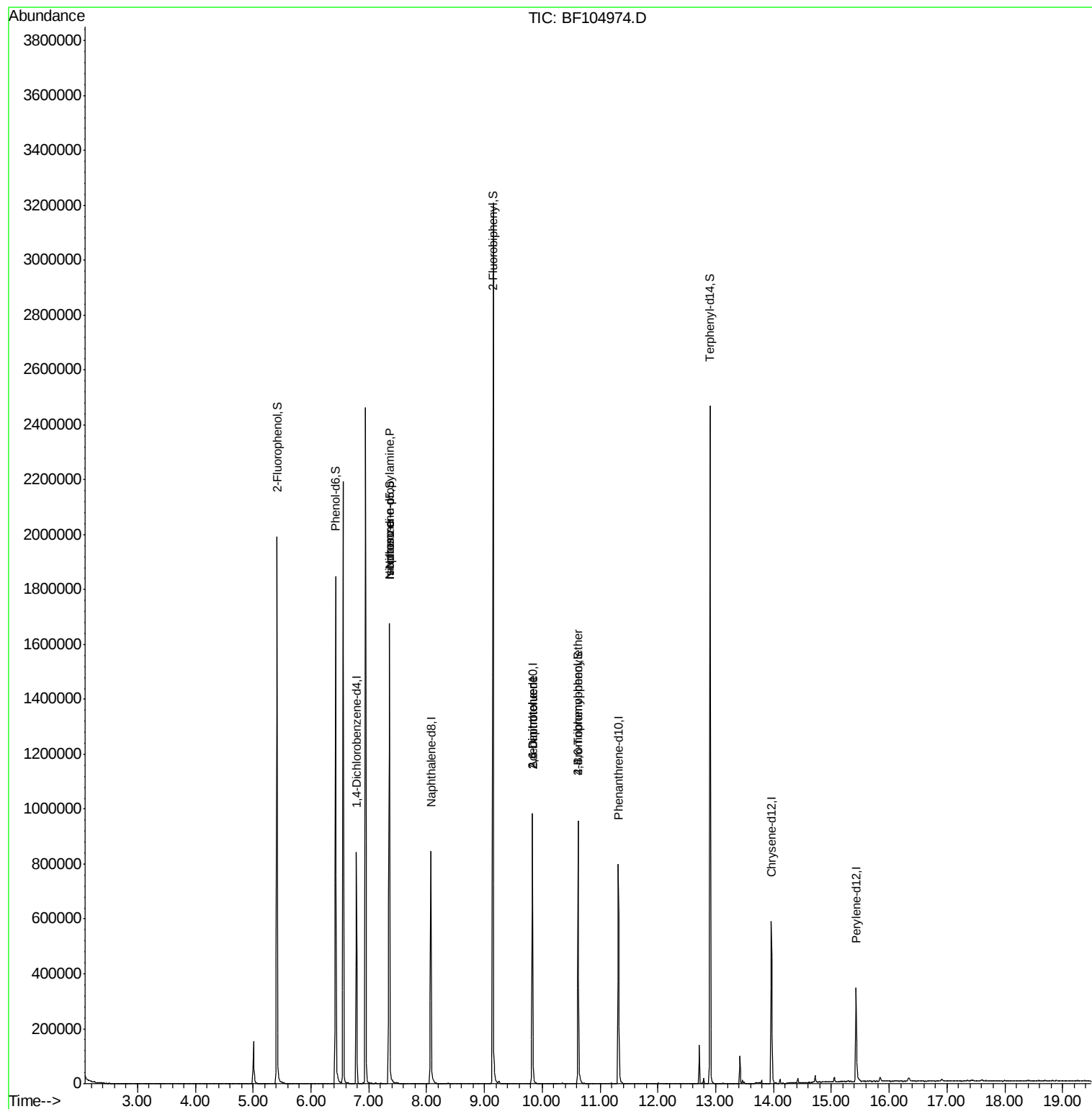
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	120393	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	484633	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	210226	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	329694	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	233881	20.00	ng	-0.01
86) Perylene-d12	15.43	264	173043	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	607193	77.12	ng	0.00
7) Phenol-d6	6.43	99	724434	74.88	ng	-0.01
23) Nitrobenzene-d5	7.36	82	636326	85.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	145604	66.77	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1133948	85.21	ng	0.00
78) Terphenyl-d14	12.90	244	866044	84.42	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	82207	13.004	ng	# 71
25) Isophorone	7.36	82	636374	40.547	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	26677	8.696	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	26677	6.630	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	8670	2.472	ng	# 1
76) Benzidine	12.90	184	10902	Below Cal		# 93

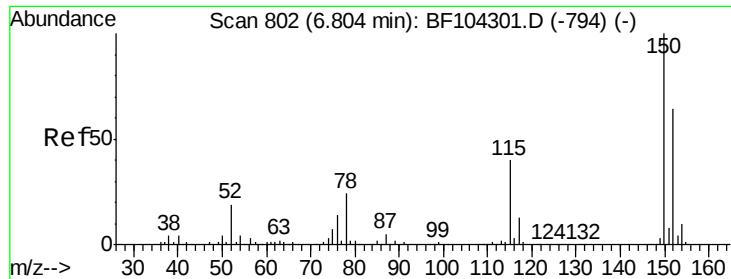
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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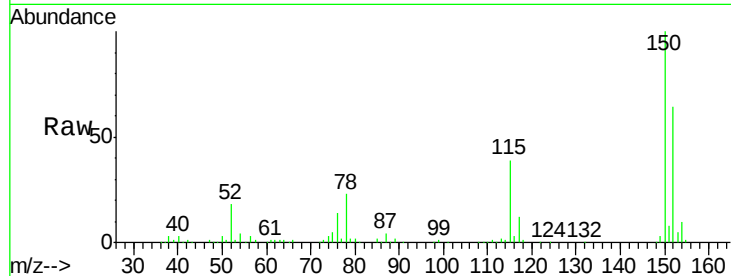


#1

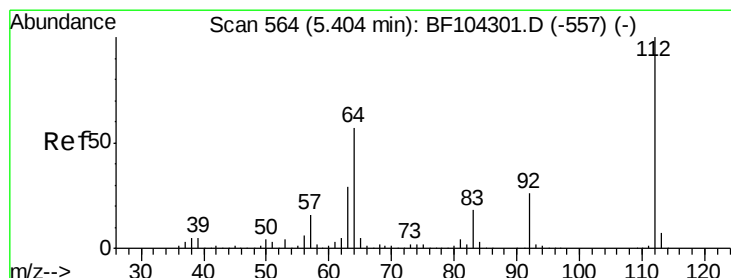
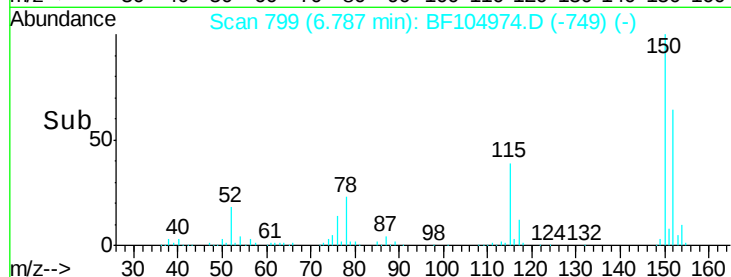
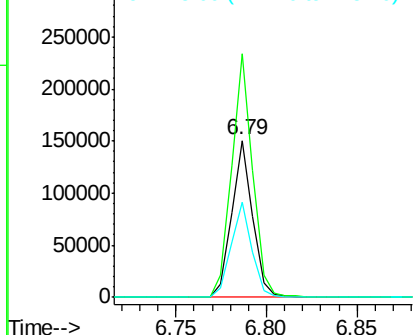
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120393
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 60.7 50.1 75.1



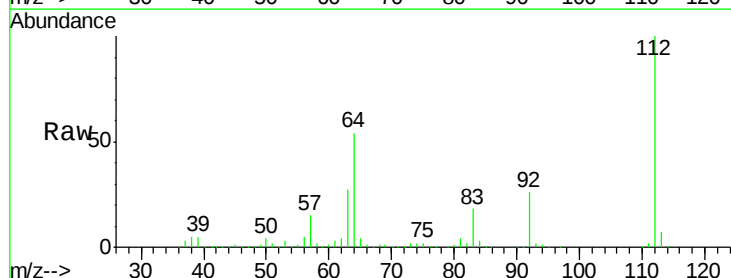
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



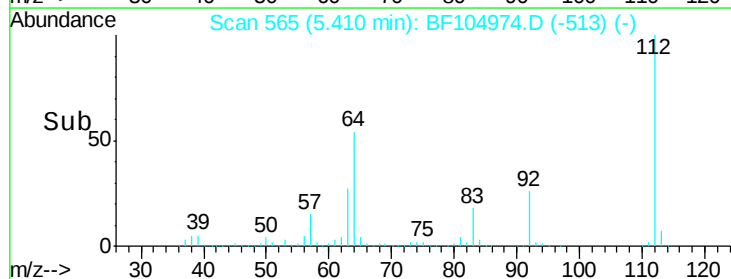
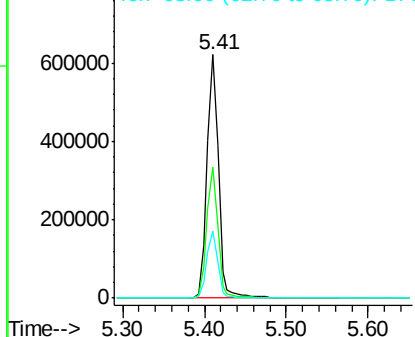
#5

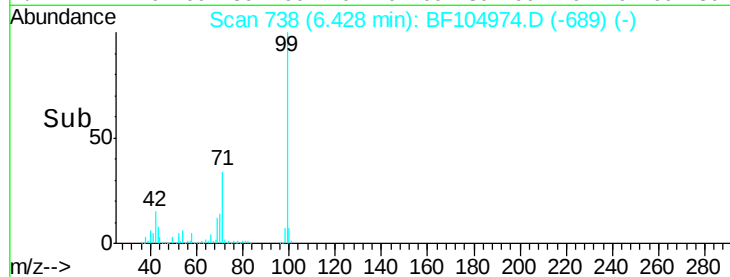
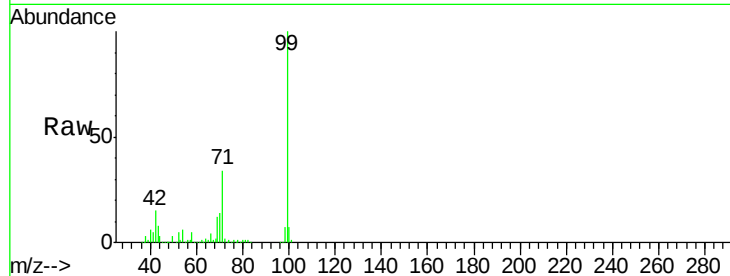
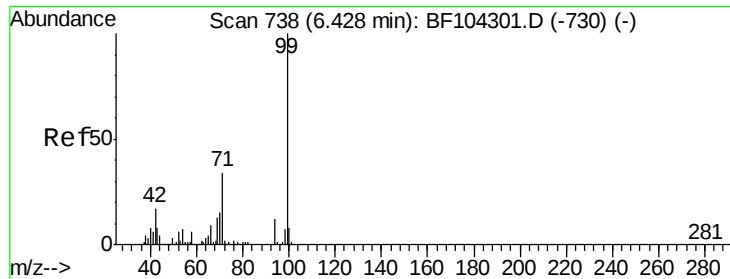
2-Fluorophenol
Concen: 77.117 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Tgt Ion:112 Resp: 607193
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 27.5 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: 74.883 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104974.D

Acq: 1 May 2018 10:27

Instrument :

BNA_F

ClientSampleId :

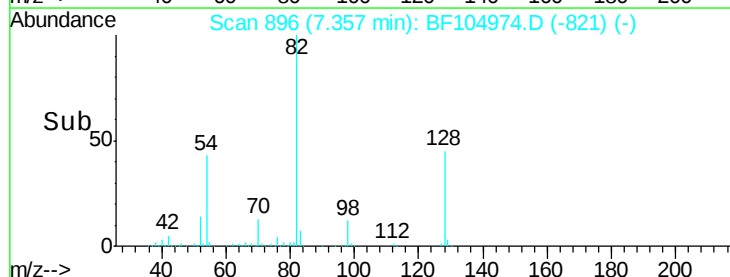
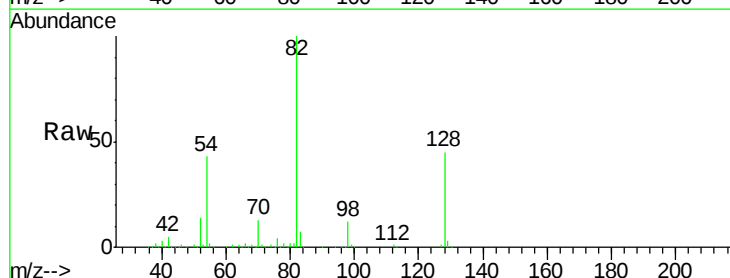
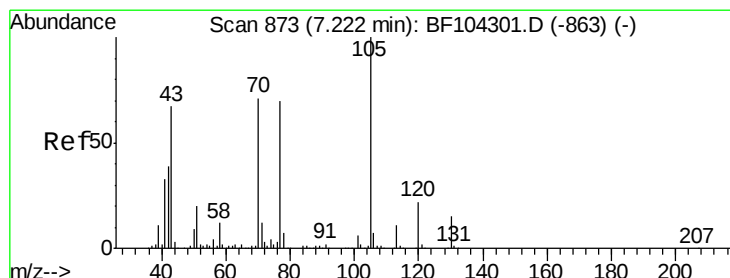
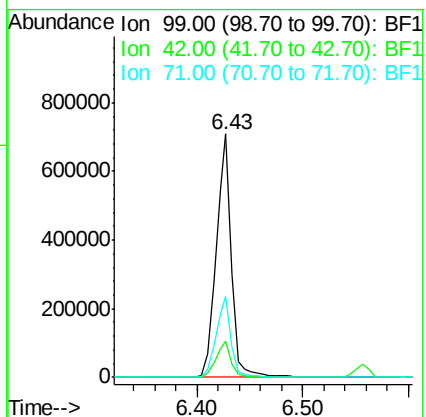
Tot Ion: 99 Resp: 724434

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.004 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104974.D

Acq: 1 May 2018 10:27

Tgt Ion: 70 Resp: 82207

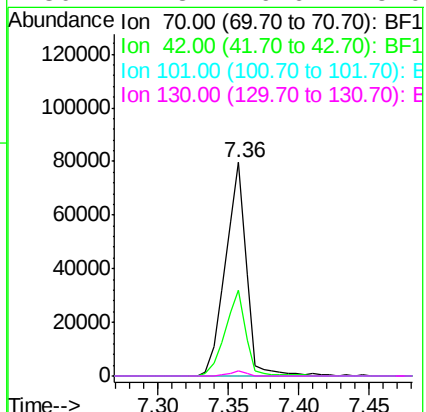
Ion Ratio Lower Upper

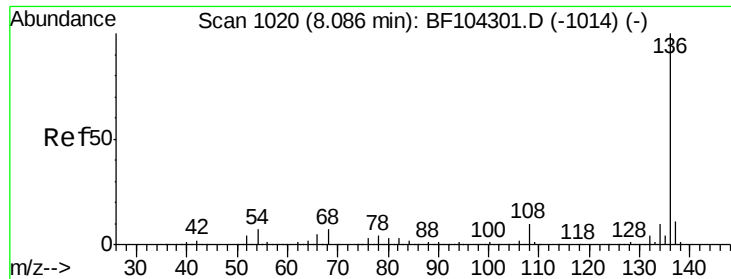
70 100

42 40.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

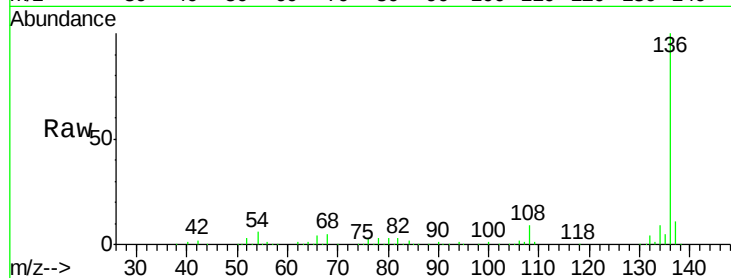




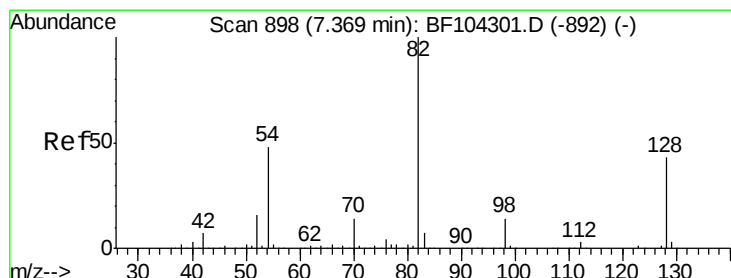
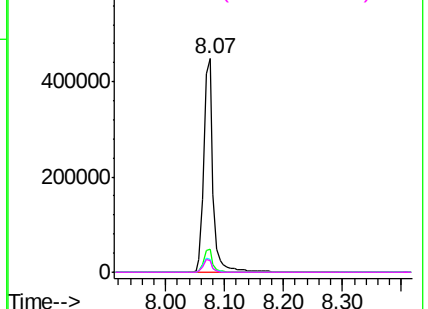
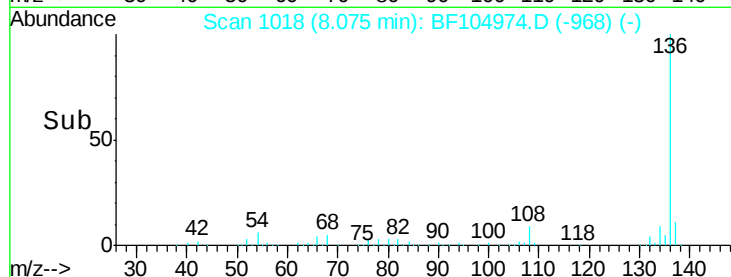
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	484633
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	5.9	6.6 9.8#
68	5.2	5.0 7.4

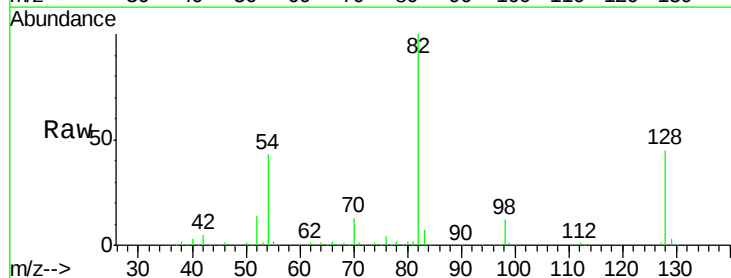


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

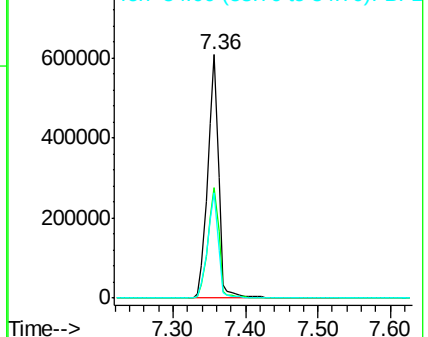
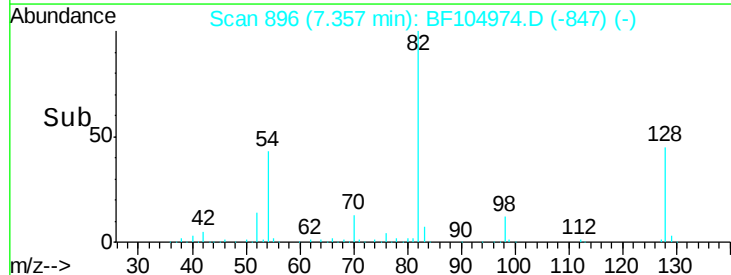


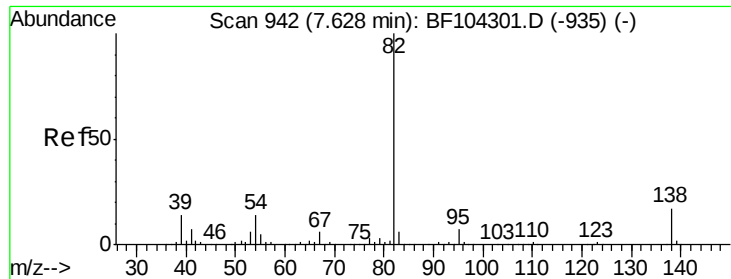
#23
Nitrobenzene-d5
Concen: 85.737 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Tgt Ion: 82	Resp:	636326
Ion Ratio	Lower	Upper
82	100	
128	45.3	36.1 54.1
54	43.1	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: 40.547 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104974.D

Acq: 1 May 2018 10:27

Instrument :

BNA_F

ClientSampleId :

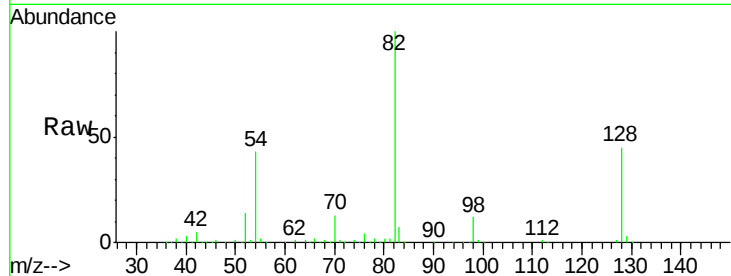
Tot Ion: 82 Resp: 636374

Ion Ratio Lower Upper

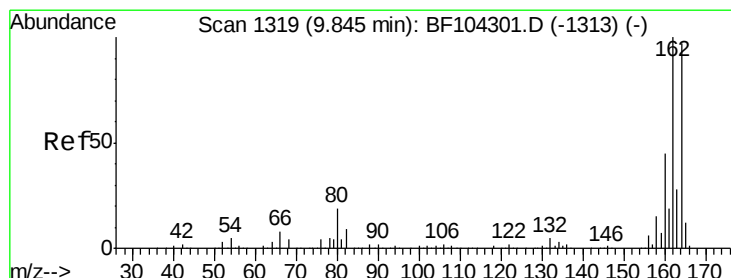
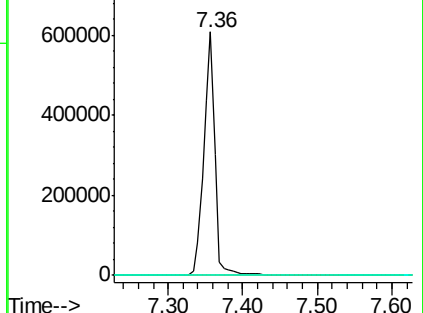
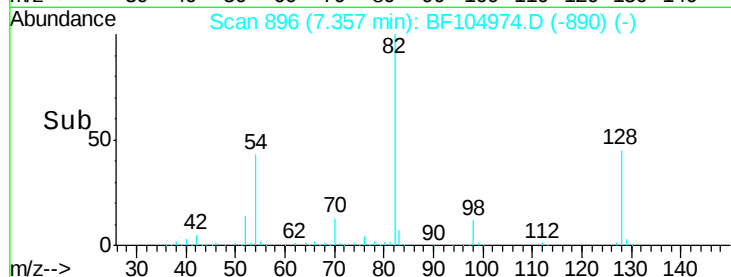
82 100

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: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104974.D

Acq: 1 May 2018 10:27

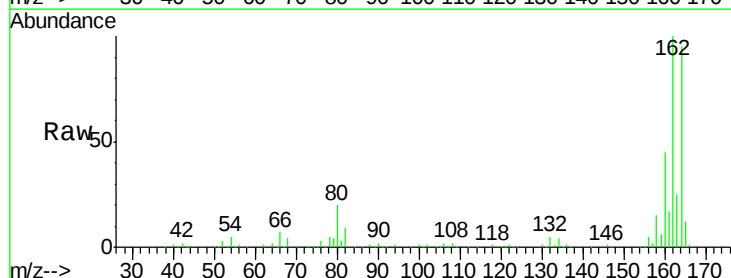
Tgt Ion: 164 Resp: 210226

Ion Ratio Lower Upper

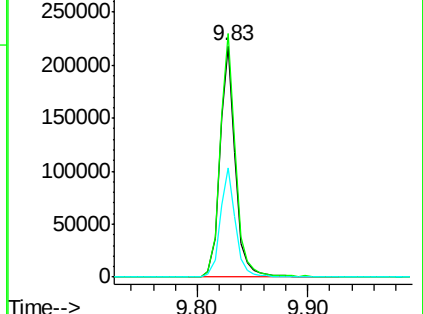
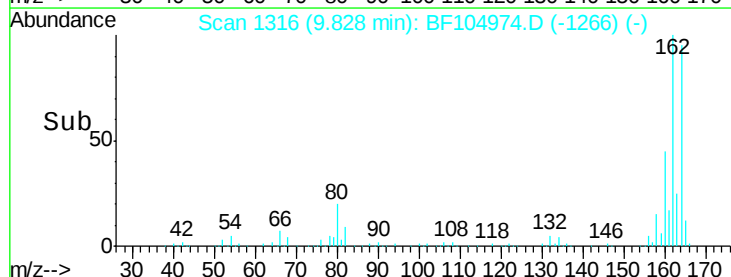
164 100

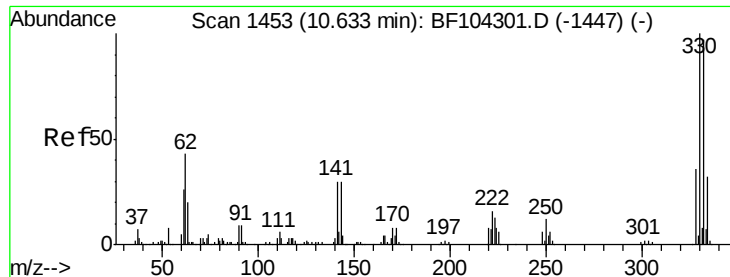
162 105.4 86.1 129.1

160 47.4 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

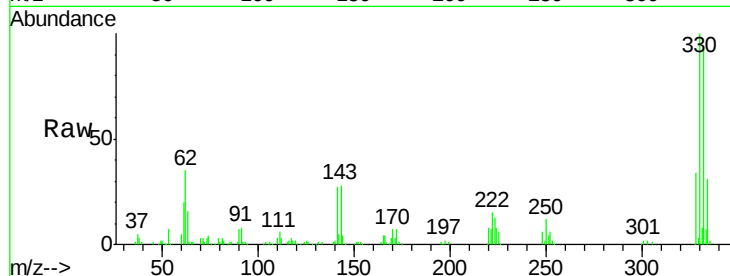




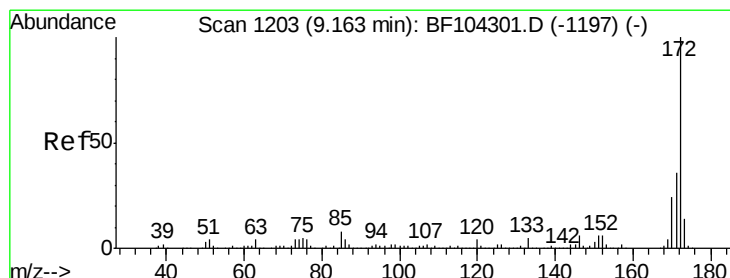
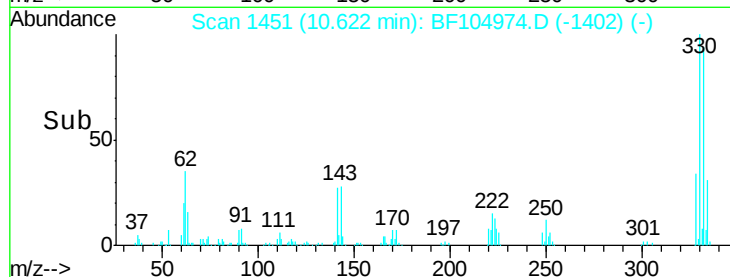
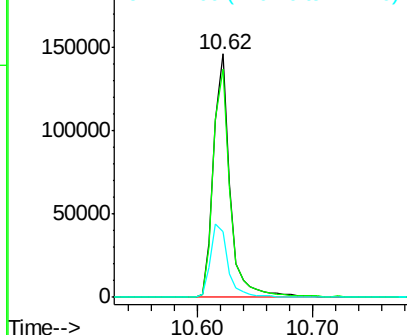
#41
 2,4,6-Tribromophenol
 Concen: 66.768 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	32.5	29.9	44.9

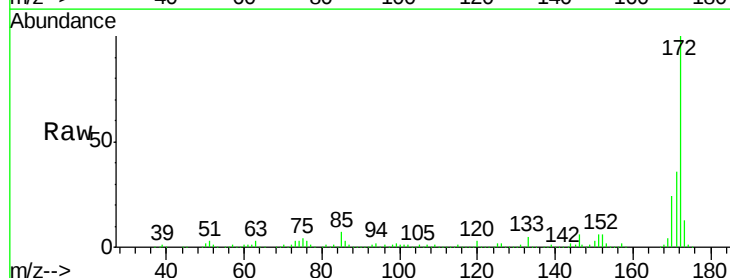


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

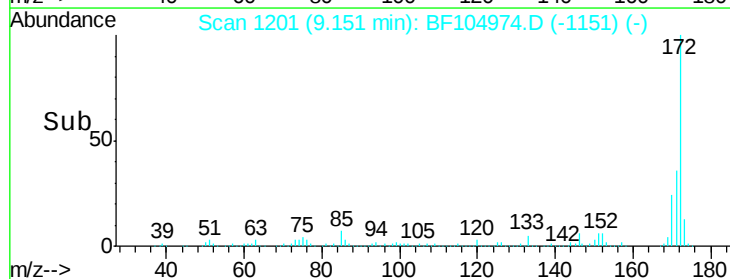
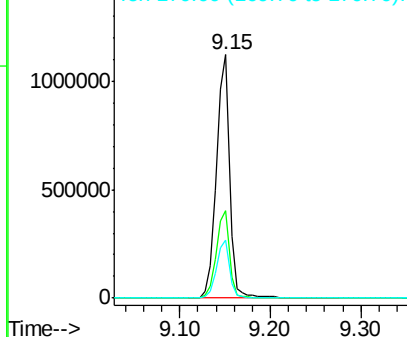


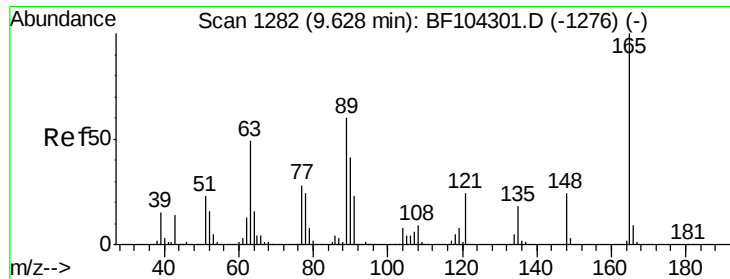
#44
 2-Fluorobiphenyl
 Concen: 85.211 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

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

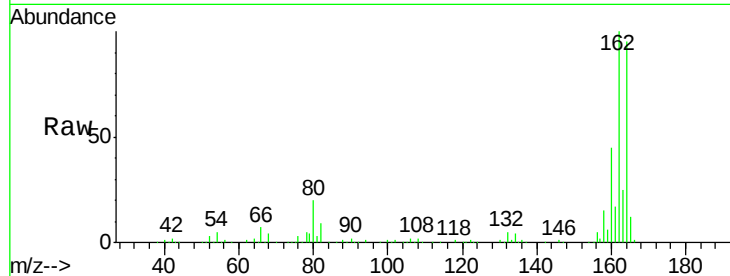




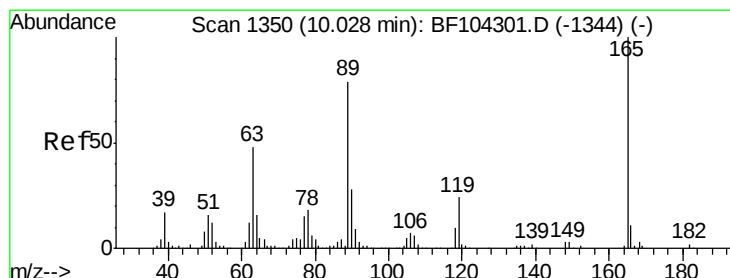
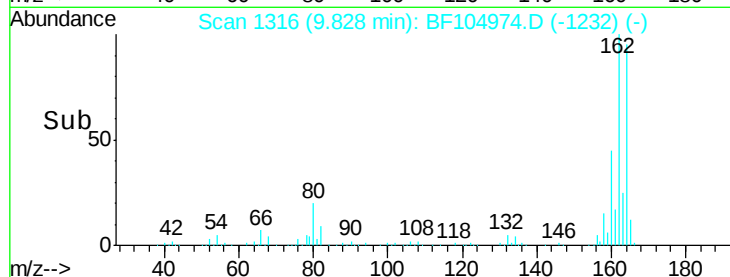
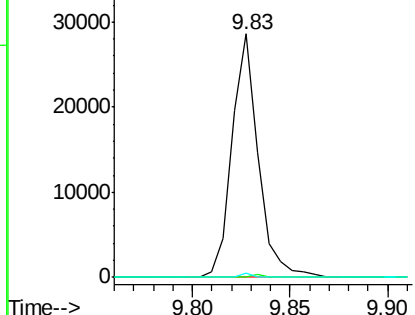
#50
 2,6-Dinitrotoluene
 Concen: 8.696 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#

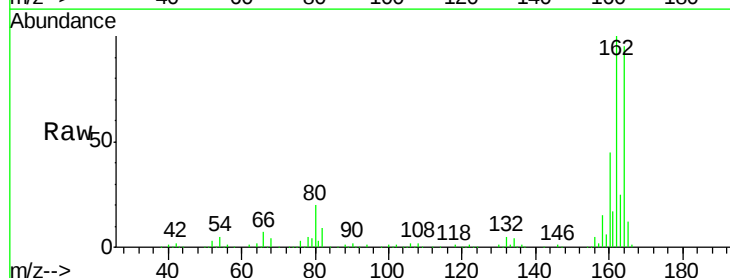


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

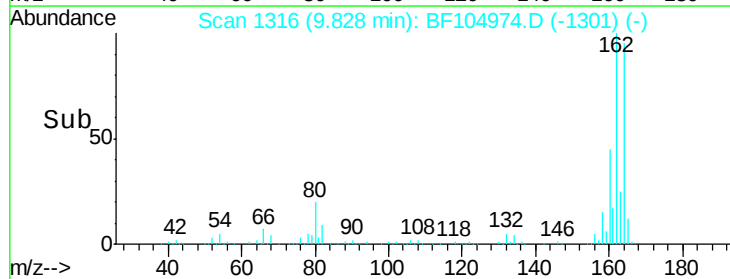
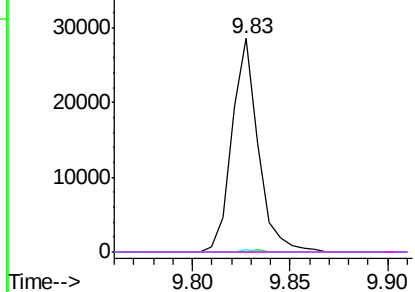


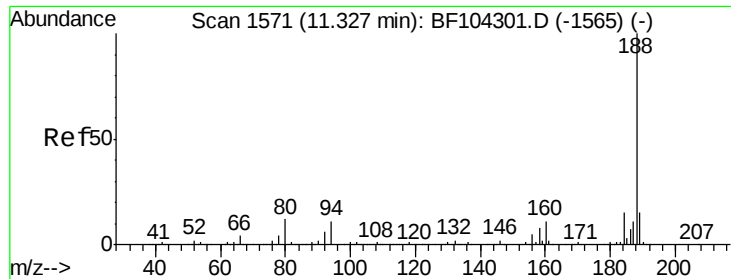
#56
 2,4-Dinitrotoluene
 Concen: 6.630 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	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

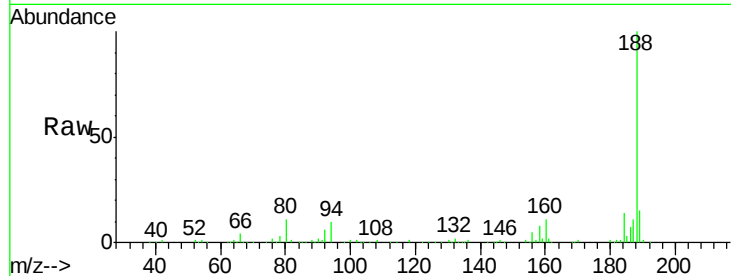




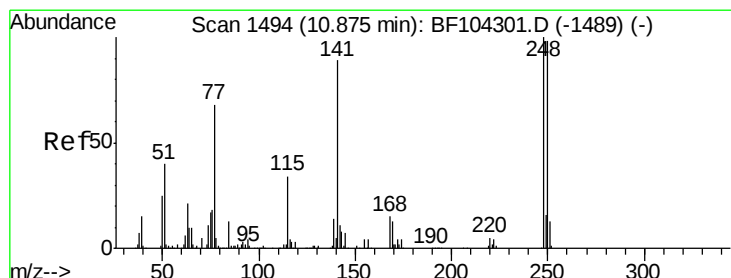
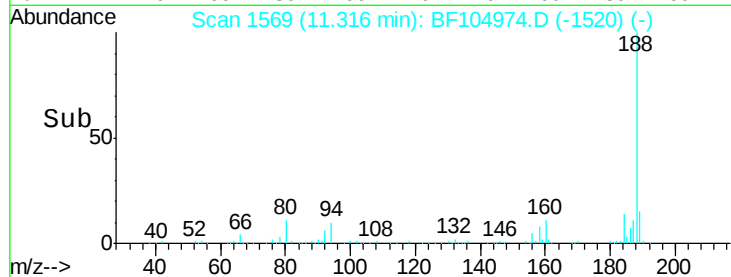
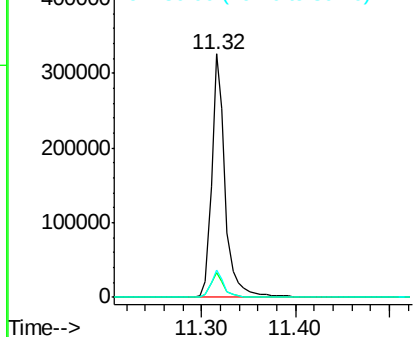
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 329694
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.0 9.2 13.8

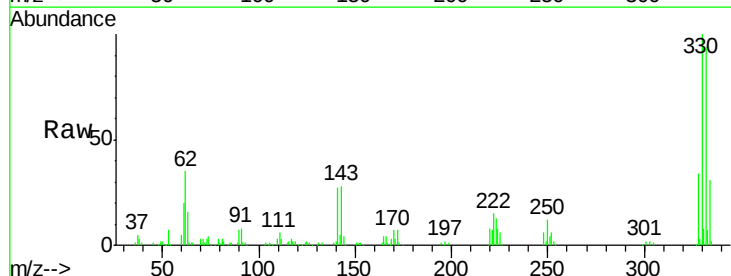


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

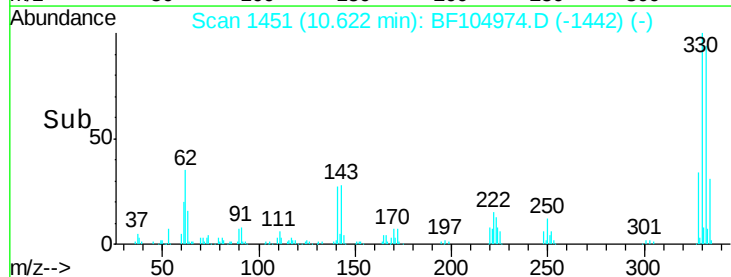
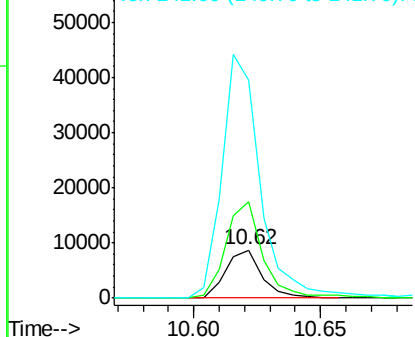


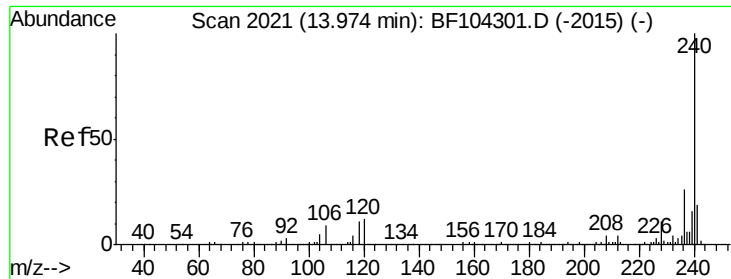
#66
4-Bromophenyl-phenylether
Concen: 2.472 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Tgt Ion:248 Resp: 8670
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 454.4 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

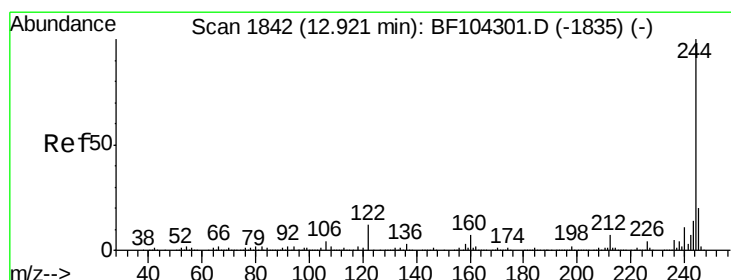
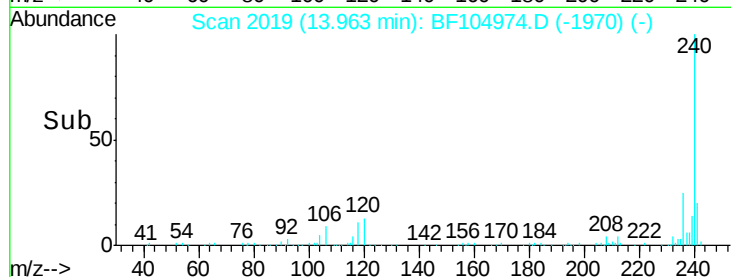
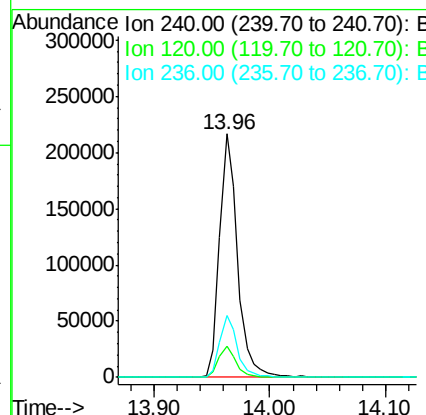
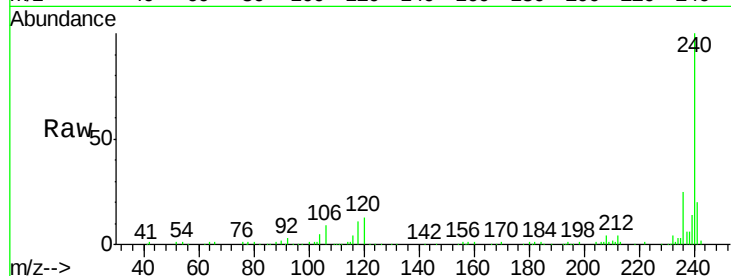




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

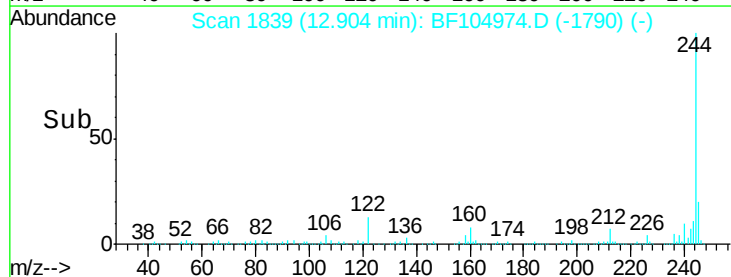
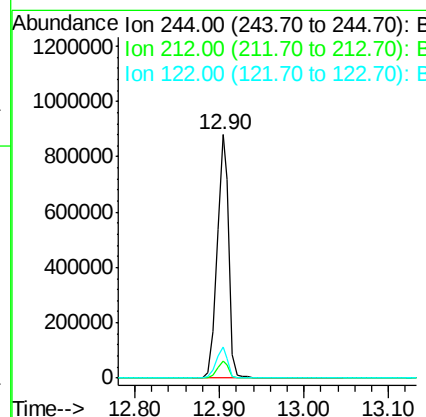
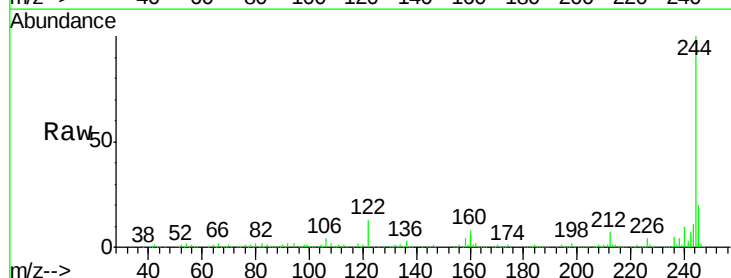
Instrument :
 BNA_F
 ClientSampled :

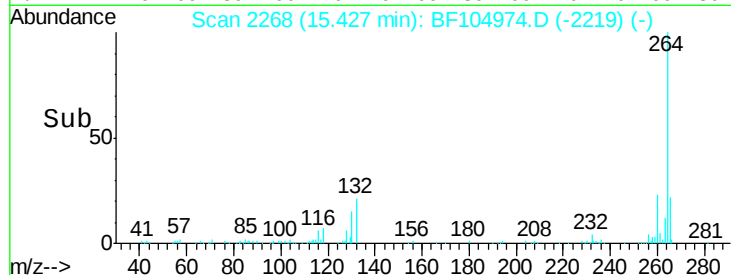
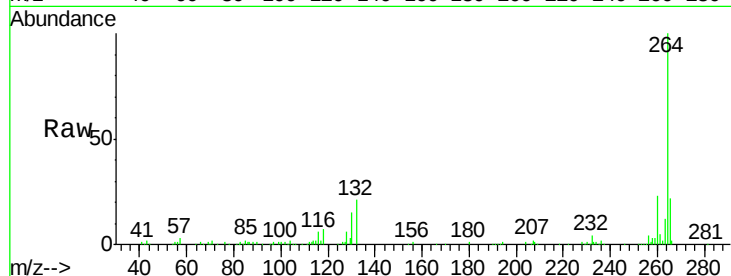
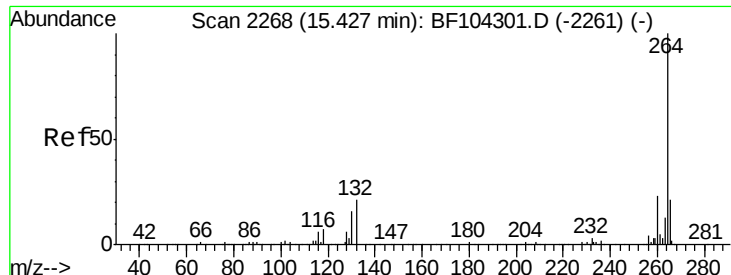
Tot Ion:240 Resp: 233881
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.4 20.7 31.1



#78
 Terphenyl-d14
 Concen: 84.420 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF104974.D
 Acq: 1 May 2018 10:27

Tgt Ion:244 Resp: 866044
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.0 11.0 16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF104974.D
Acq: 1 May 2018 10:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	173043
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3

