

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104736.D
 Acq On : 24 Apr 2018 5:12
 Operator : JU/SJ
 Sample : J2494-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 08:33:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

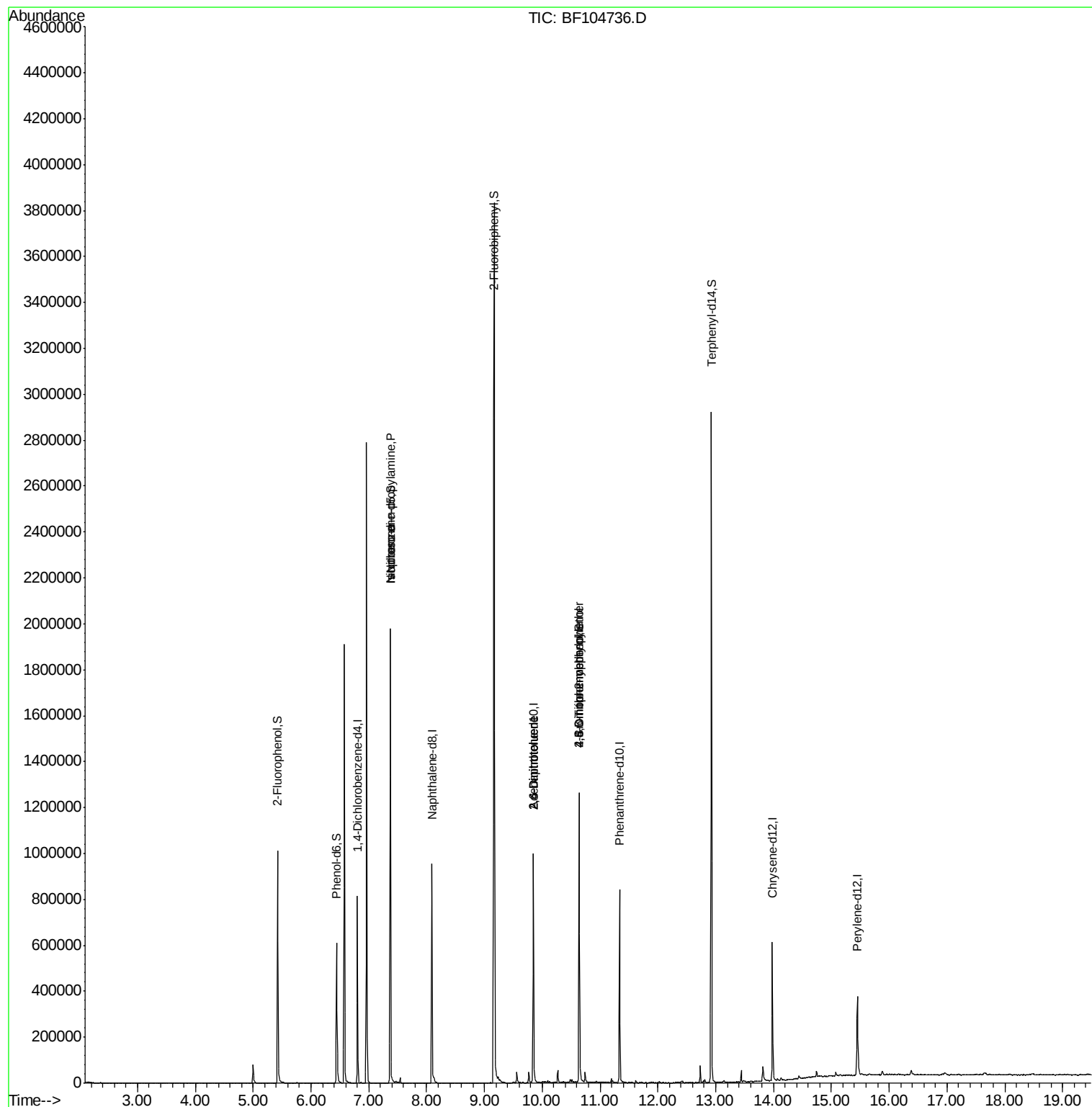
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113869	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	460210	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	197999	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	320273	20.00	ng	0.00
75) Chrysene-d12	13.98	240	218011	20.00	ng	0.00
86) Perylene-d12	15.45	264	160719	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	300524	40.35	ng	0.00
7) Phenol-d6	6.44	99	226277	24.73	ng	0.00
23) Nitrobenzene-d5	7.37	82	709175	100.62	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	164695	80.19	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1249198	99.67	ng	0.00
78) Terphenyl-d14	12.93	244	1027598	107.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	91785	15.351	ng	# 74
25) Isophorone	7.37	82	709169	47.584	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	24902	8.619	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	24902	6.571	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	153	7.430	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9583	2.813	ng	# 1
76) Benzidine	12.93	184	12866	Below Cal		# 92

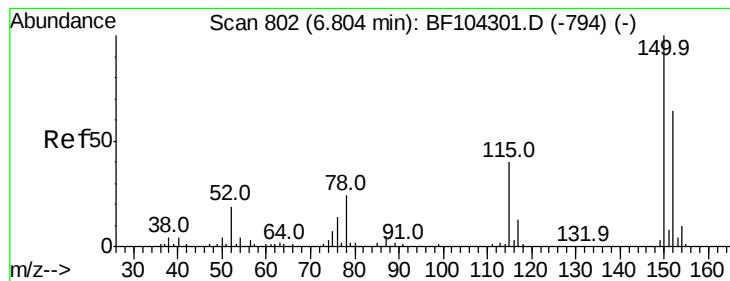
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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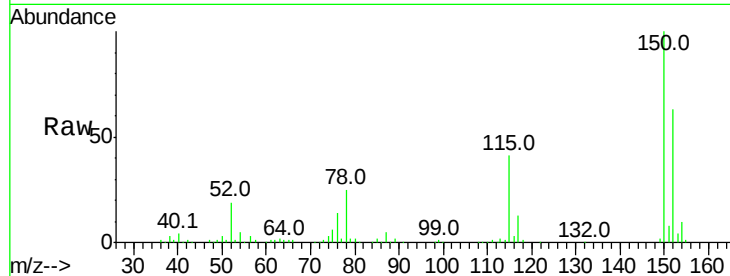


#1

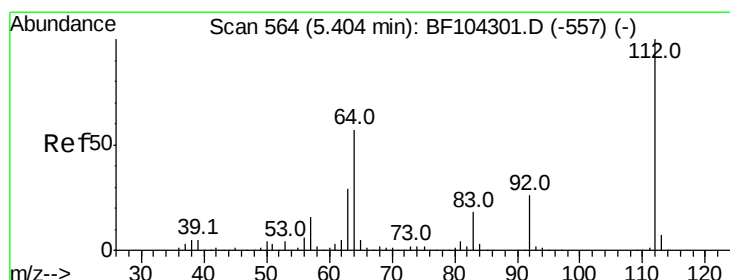
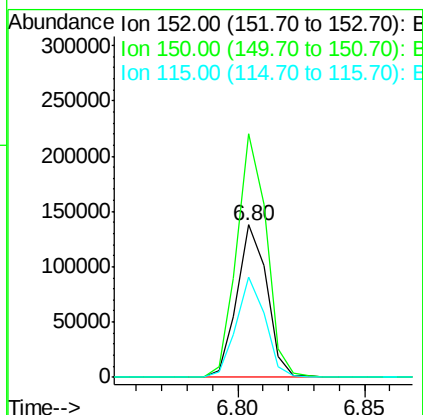
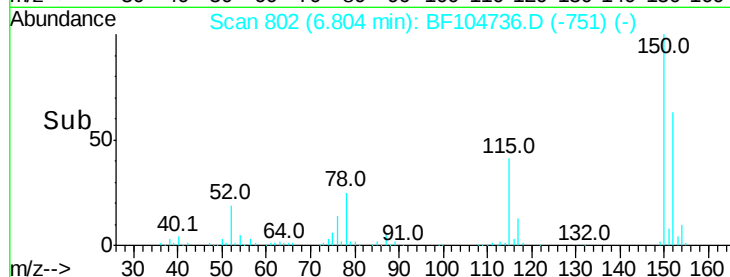
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113869
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 65.7 50.1 75.1



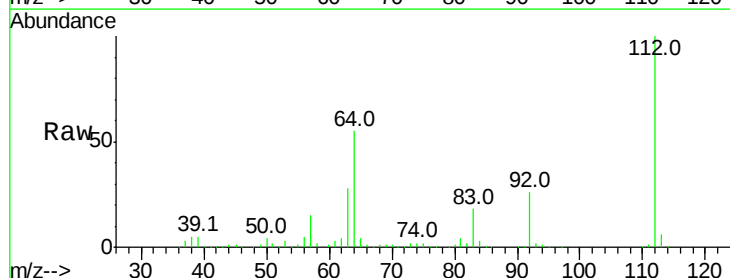
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



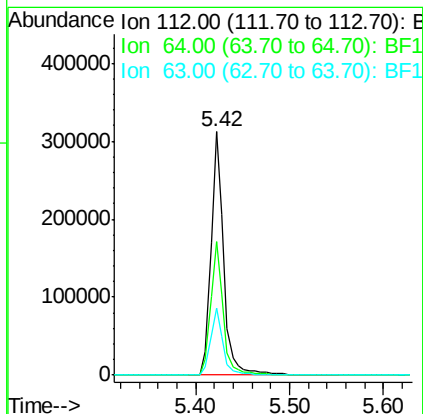
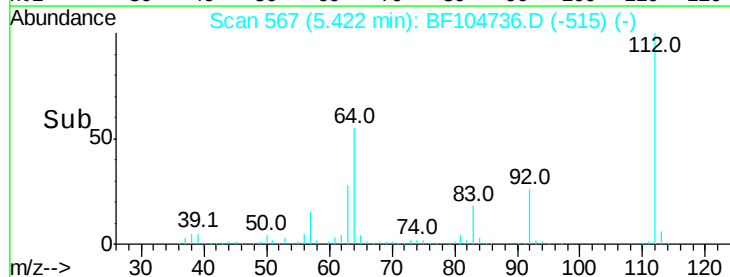
#5

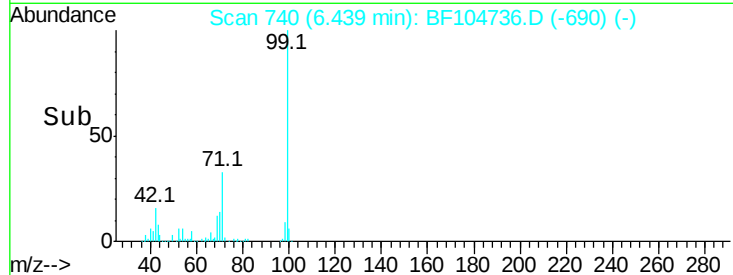
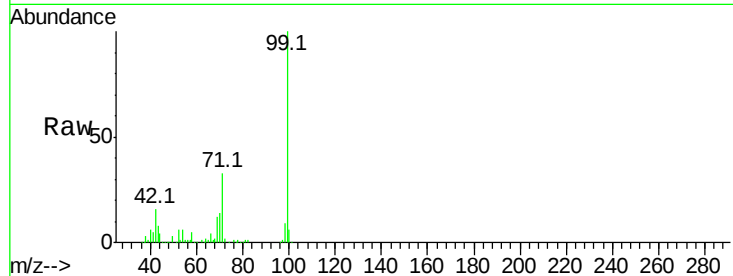
2-Fluorophenol
Concen: 40.355 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Tgt Ion:112 Resp: 300524
Ion Ratio Lower Upper
112 100
64 54.7 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: 24.730 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104736.D

Acq: 24 Apr 2018 5:12

Instrument :

BNA_F

ClientSampleId :

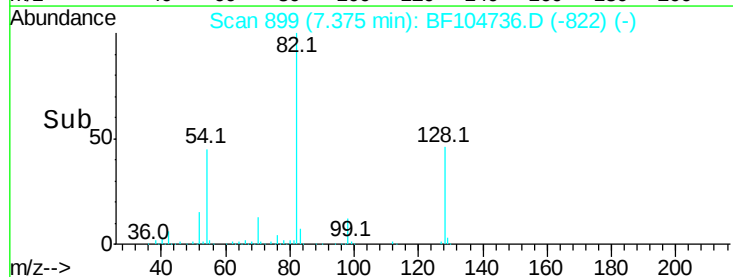
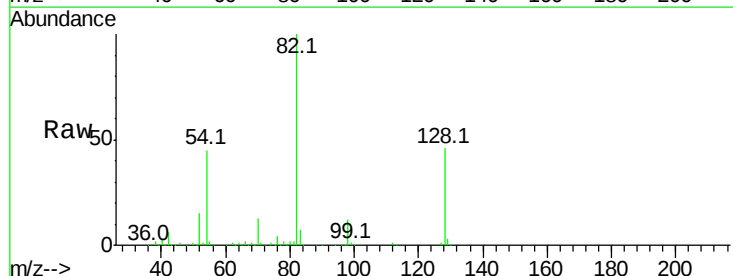
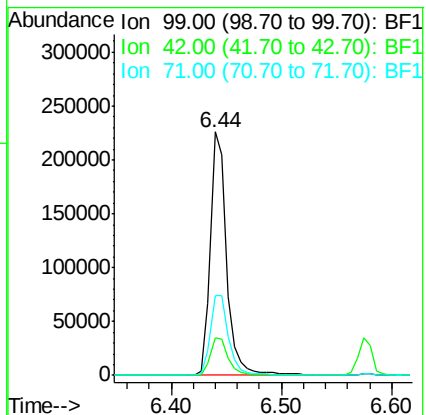
Tot Ion: 99 Resp: 226277

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.351 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104736.D

Acq: 24 Apr 2018 5:12

Tgt Ion: 70 Resp: 91785

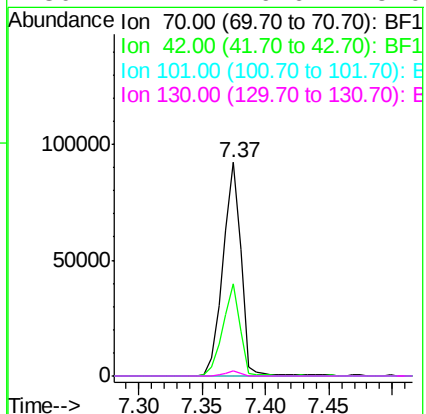
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

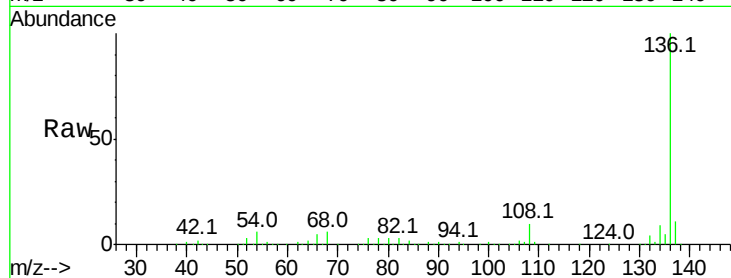




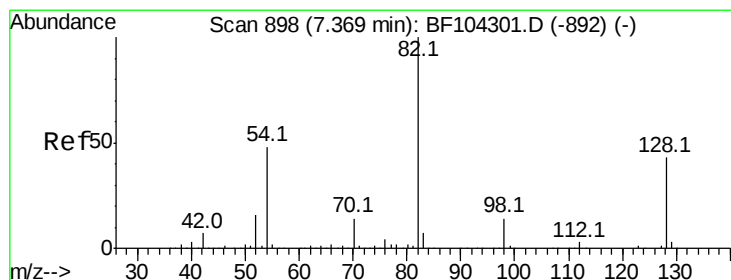
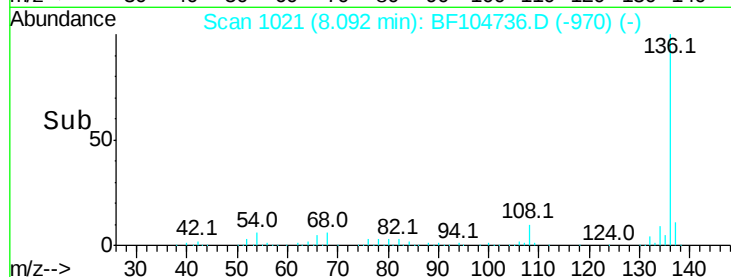
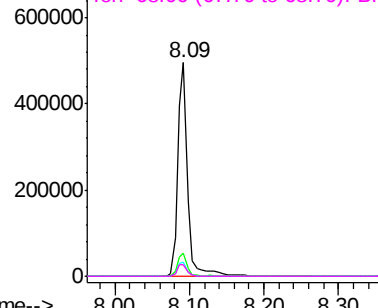
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	460210
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.5	6.6	9.8#
68	5.5	5.0	7.4

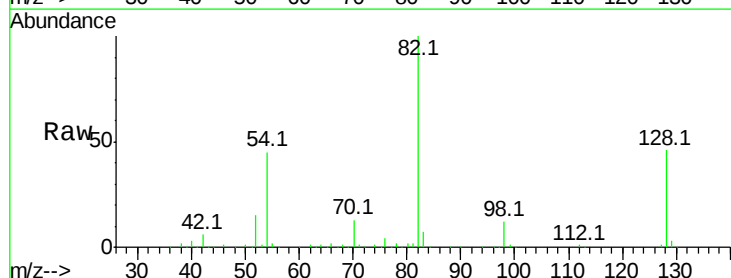


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

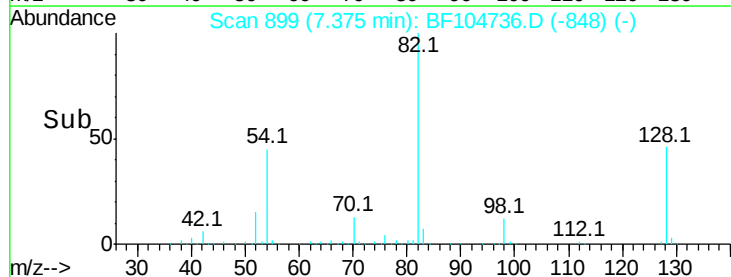
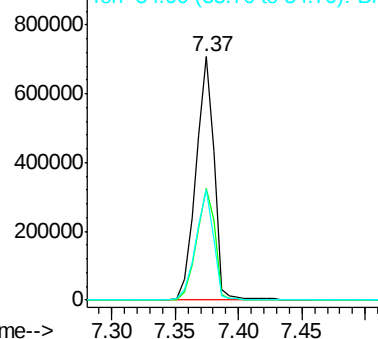


#23
Nitrobenzene-d5
Concen: 100.623 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Tgt Ion:	82	Resp:	709175
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	45.3	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: 47.584 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104736.D

Acq: 24 Apr 2018 5:12

Instrument :

BNA_F

ClientSampled :

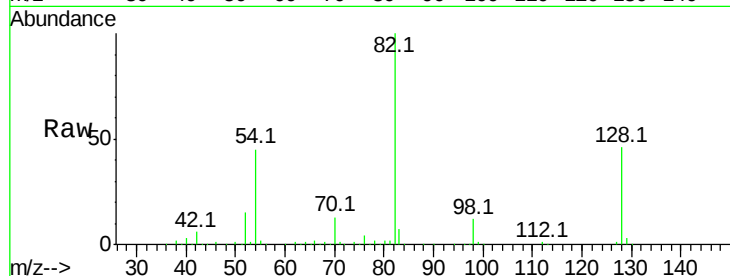
Tot Ion: 82 Resp: 709169

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

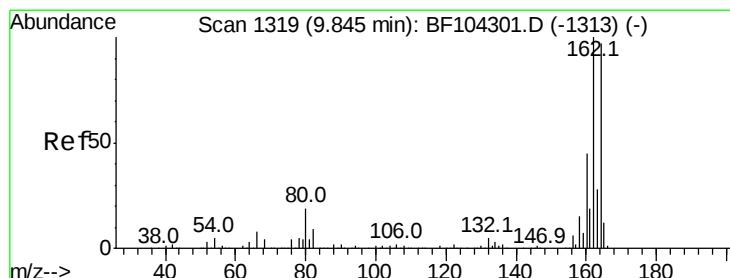
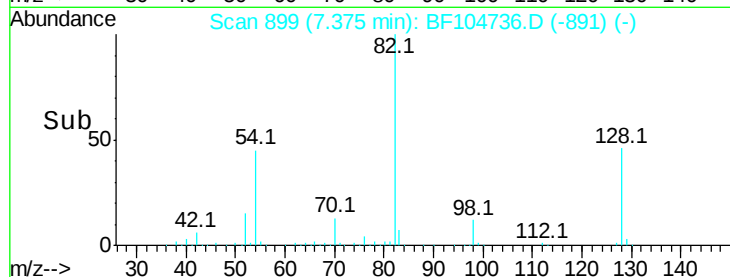
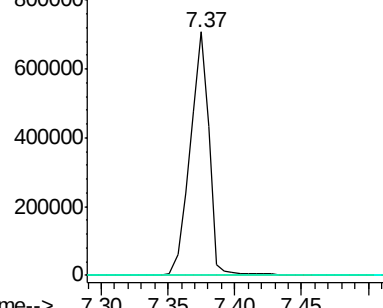
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104736.D

Acq: 24 Apr 2018 5:12

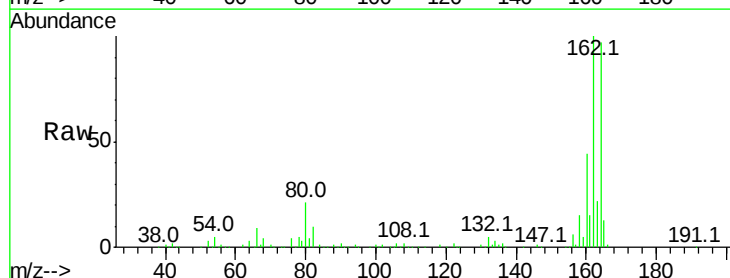
Tgt Ion:164 Resp: 197999

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

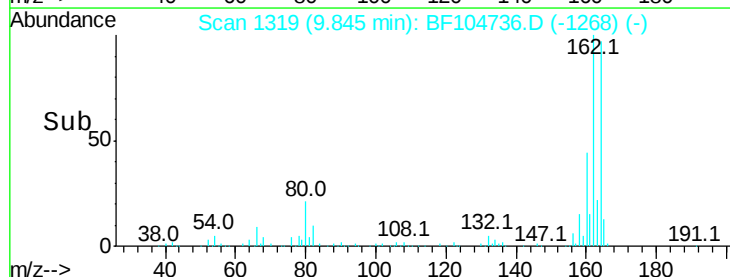
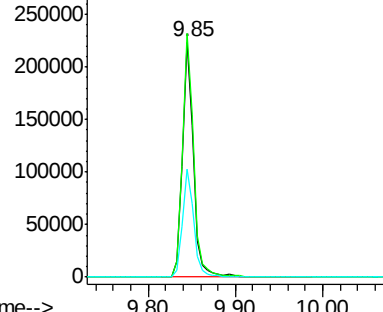
160 45.9 38.3 57.5



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: 80.187 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104736.D

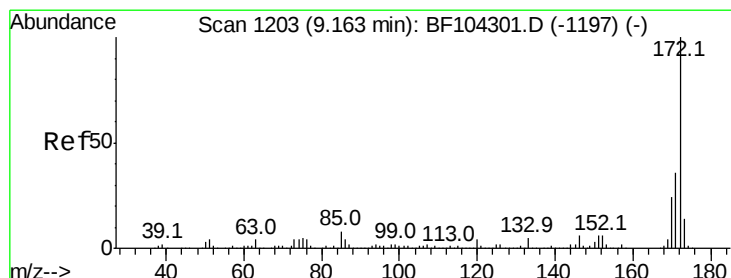
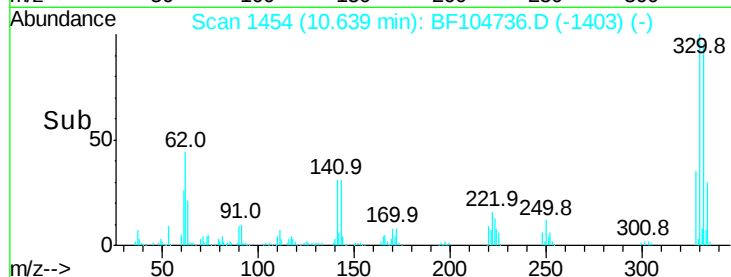
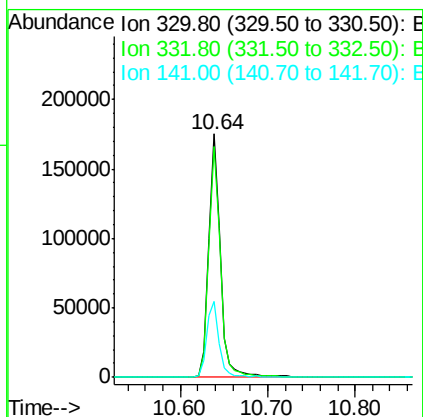
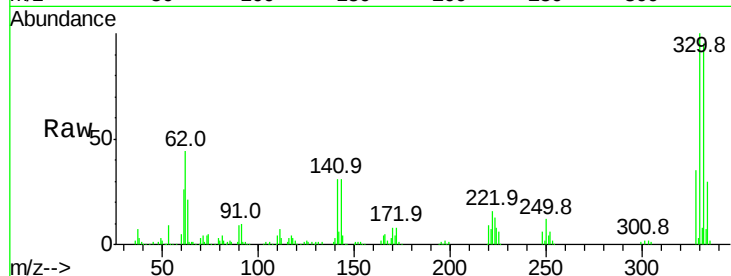
Acq: 24 Apr 2018 5:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	164695
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	32.9	29.9	44.9



#44

2-Fluorobiphenyl

Concen: 99.668 ng

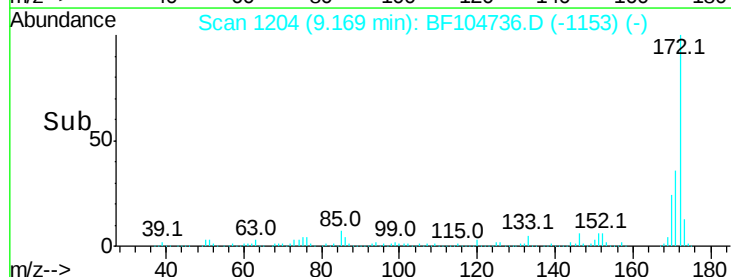
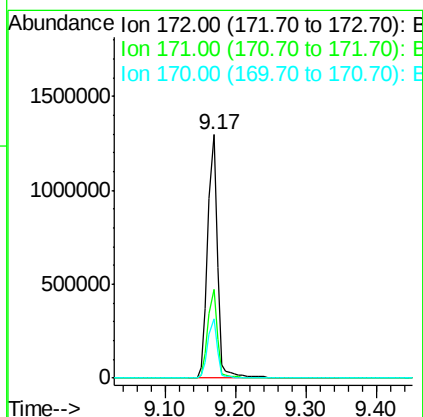
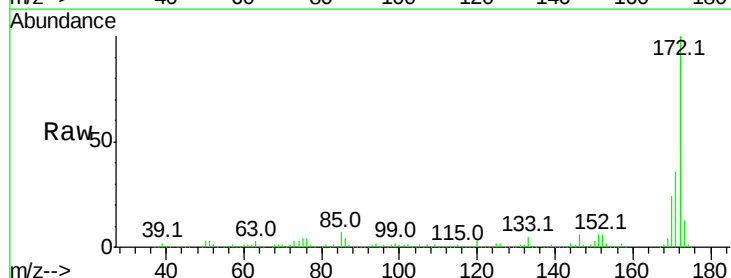
RT: 9.17 min Scan# 1204

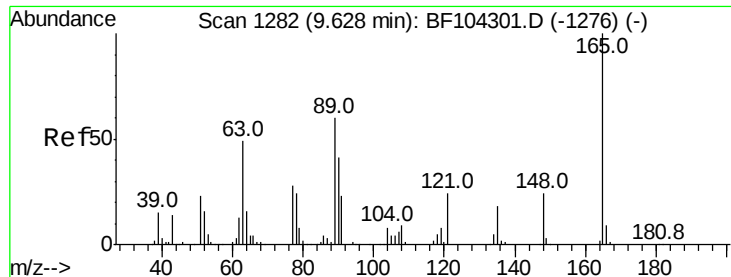
Delta R.T. -0.00 min

Lab File: BF104736.D

Acq: 24 Apr 2018 5:12

Tgt Ion:	172	Resp:	1249198
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4

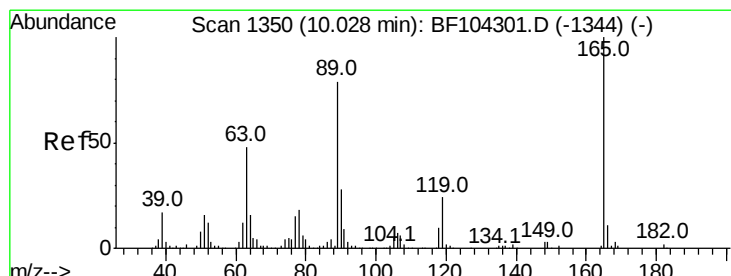
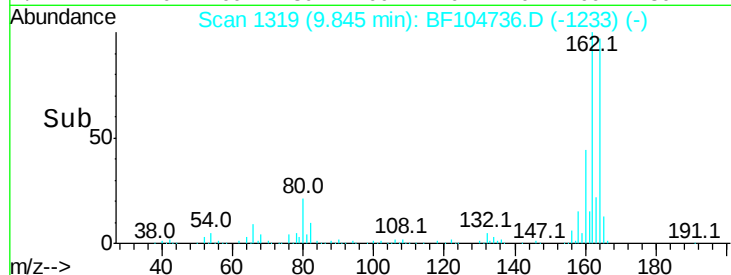
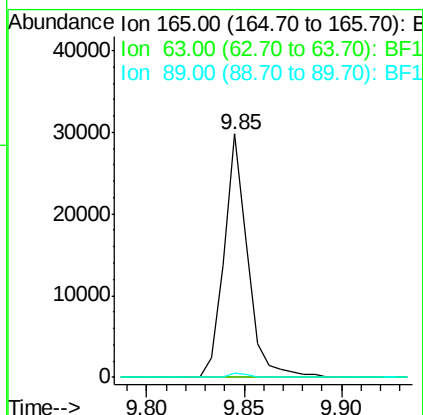
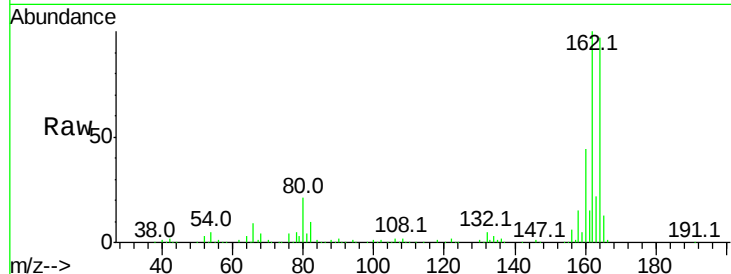




#50
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

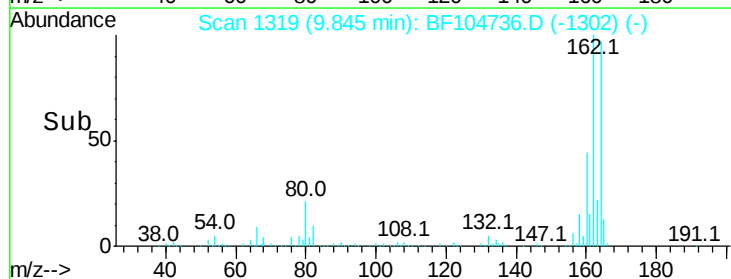
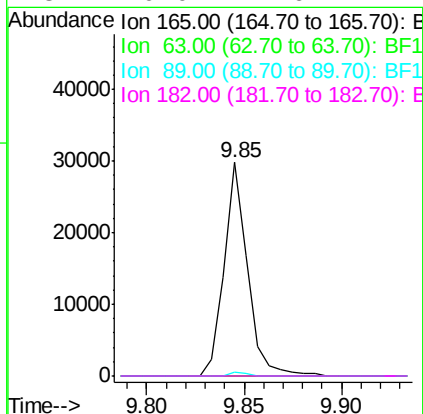
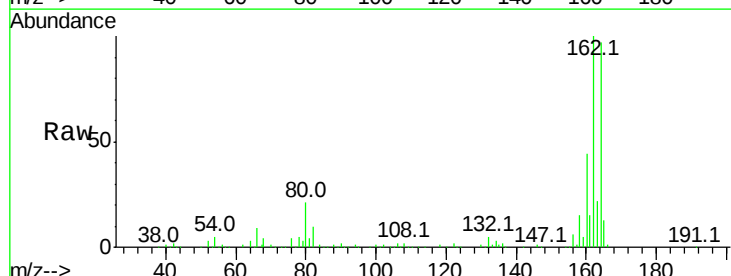
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.571 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

Tgt 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#

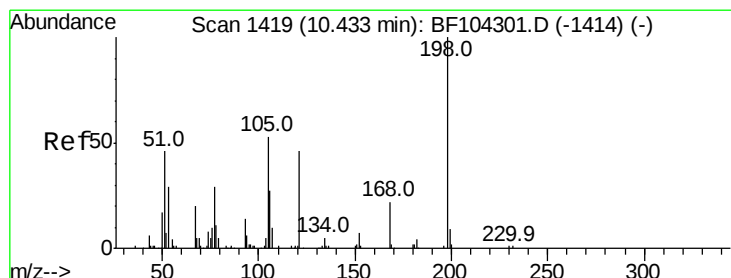
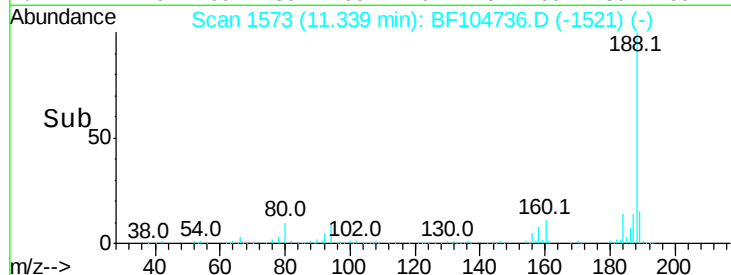
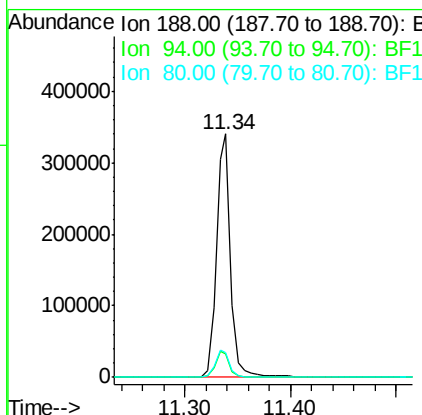
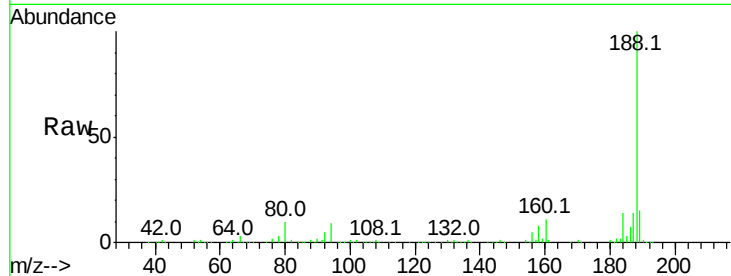




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

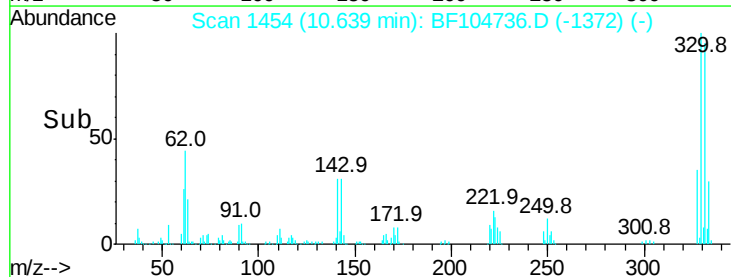
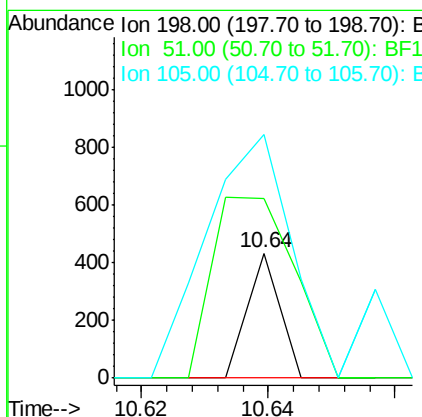
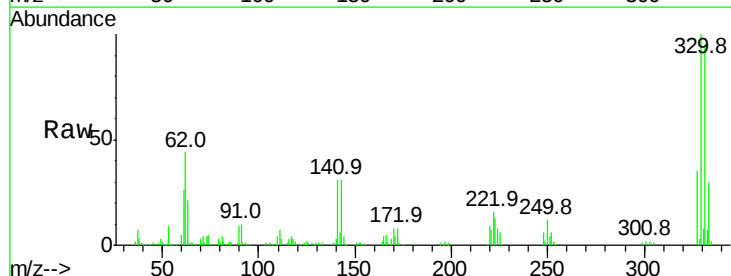
Instrument :
 BNA_F
 ClientSampleId :

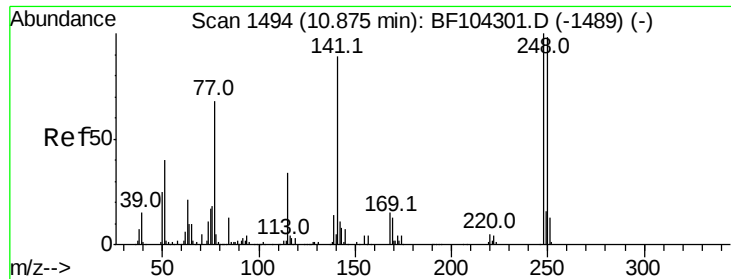
Tot Ion:188 Resp: 320273
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.430 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

Tgt Ion:198 Resp: 153
 Ion Ratio Lower Upper
 198 100
 51 143.9 37.7 77.7#
 105 194.7 36.3 76.3#

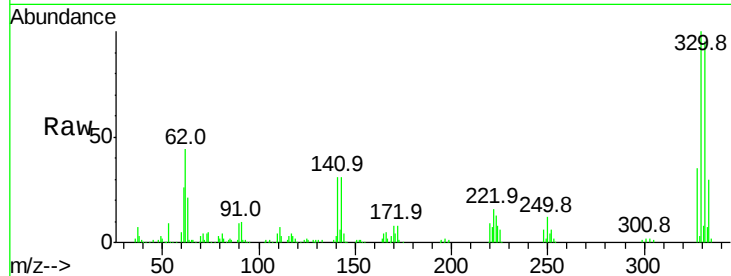




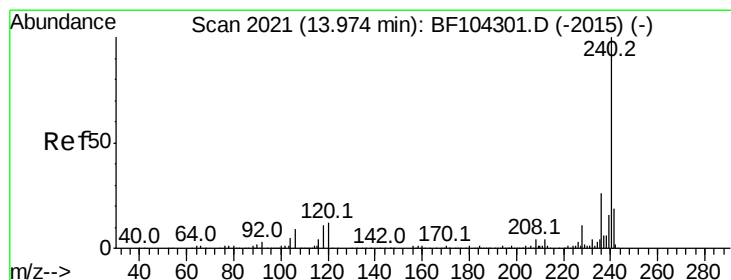
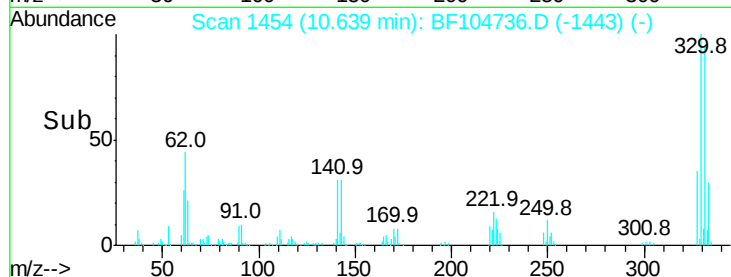
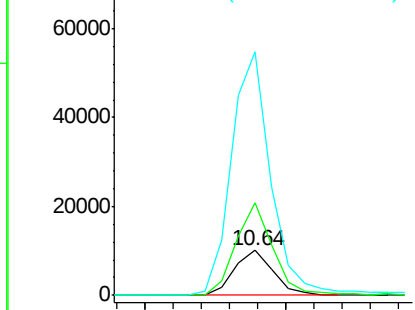
#66
4-Bromophenyl-phenylether
Concen: 2.813 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9583
Ion Ratio Lower Upper
248 100
250 206.1 76.9 115.3#
141 543.3 74.4 111.6#

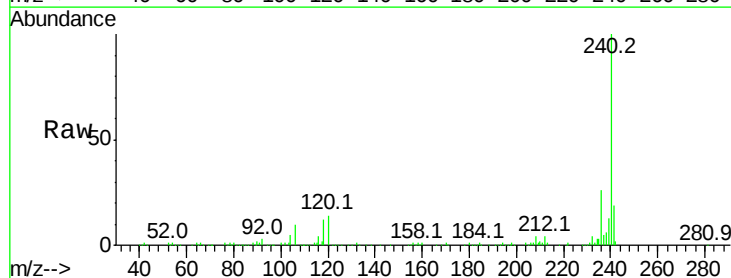


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

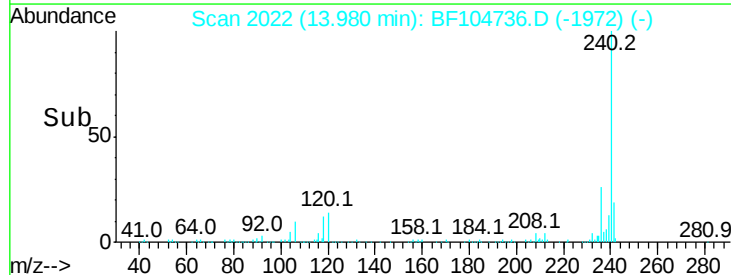
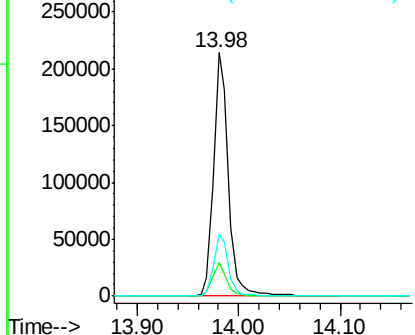


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104736.D
Acq: 24 Apr 2018 5:12

Tgt Ion:240 Resp: 218011
Ion Ratio Lower Upper
240 100
120 14.0 9.5 14.3
236 25.6 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

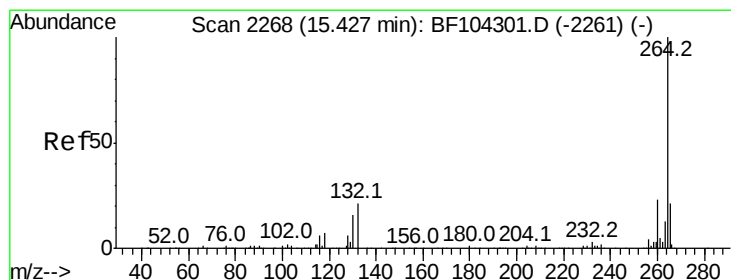
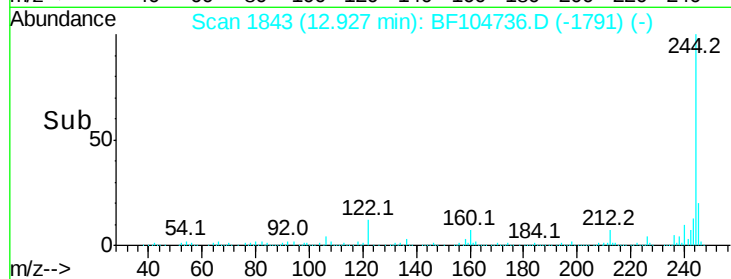
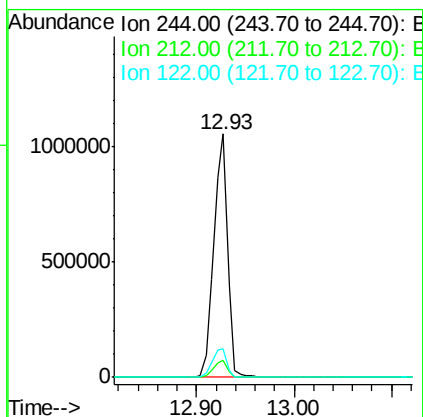
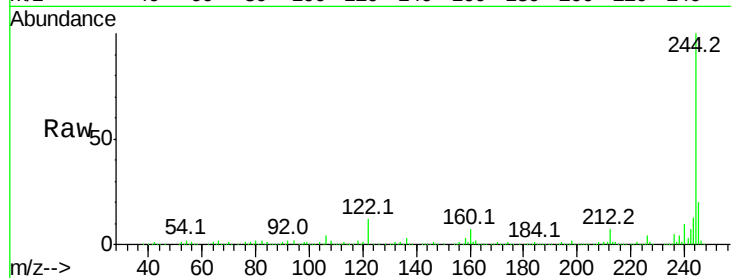




#78
 Terphenyl-d14
 Concen: 107.460 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1027598
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BF104736.D
 Acq: 24 Apr 2018 5:12

Tgt Ion:264 Resp: 160719
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.3 17.5 26.3

