

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104390.D
 Acq On : 10 Apr 2018 00:06
 Operator : JU/SJ
 Sample : J2157-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:20:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

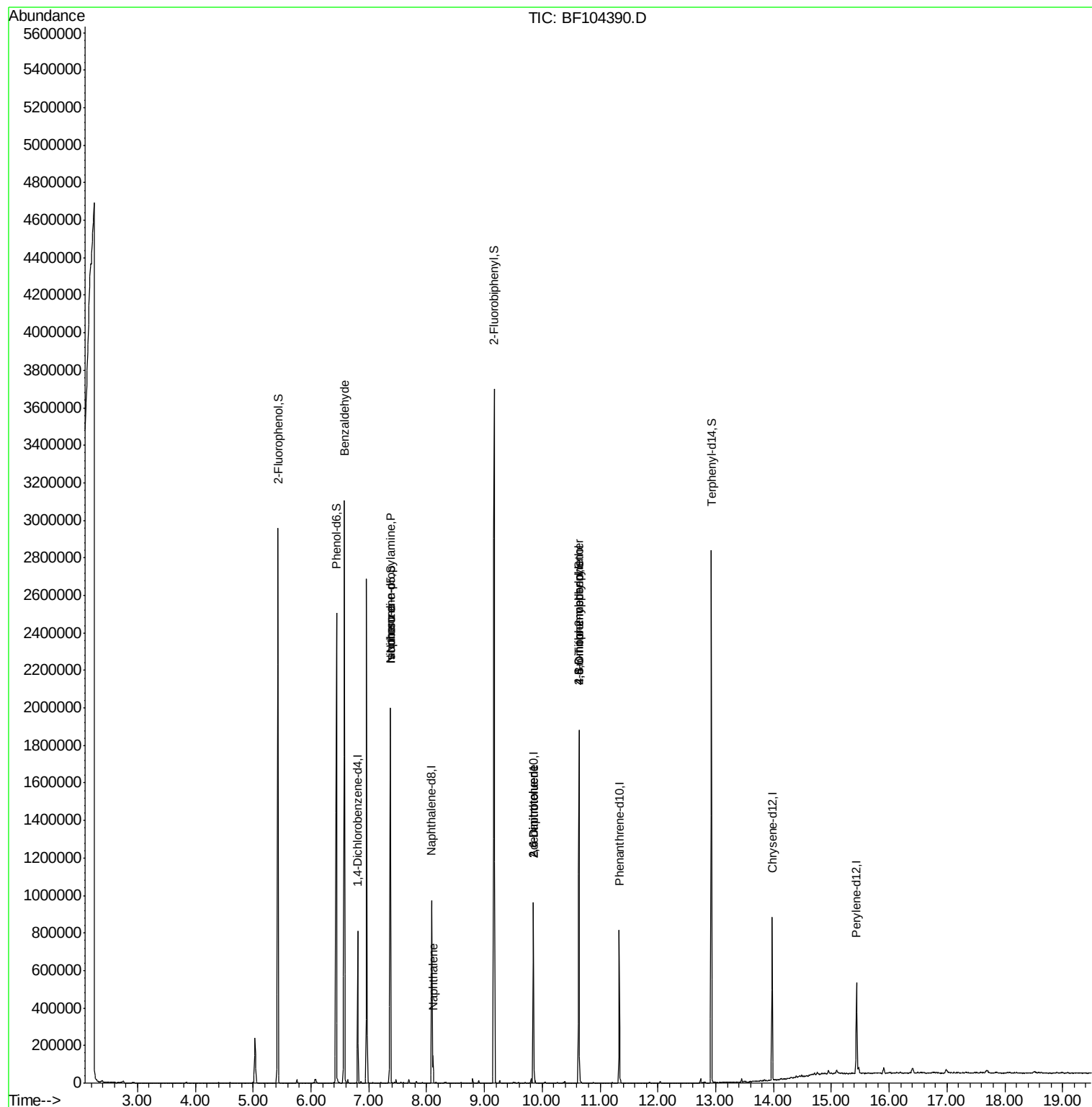
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	118153	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	449666	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	173905	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	269320	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267155	20.00	ng	0.00
86) Perylene-d12	15.44	264	207576	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	890316	115.22	ng	0.02
7) Phenol-d6	6.44	99	973114	102.50	ng	0.01
23) Nitrobenzene-d5	7.37	82	708783	102.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	224415	124.40	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1152401	104.68	ng	0.00
78) Terphenyl-d14	12.93	244	1001633	85.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	21106	2.109	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	91533	14.754	ng	# 73
25) Isophorone	7.37	82	708776	48.672	ng	# 64
31) Naphthalene	8.11	128	54833	2.449	ng	99
50) 2,6-Dinitrotoluene	9.85	165	22394	8.825	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	22394	6.728	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	494	7.666	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13646	4.763	ng	# 1
76) Benzidine	12.93	184	13327	Below Cal		97

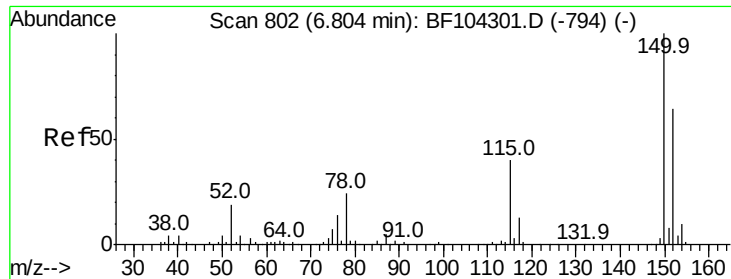
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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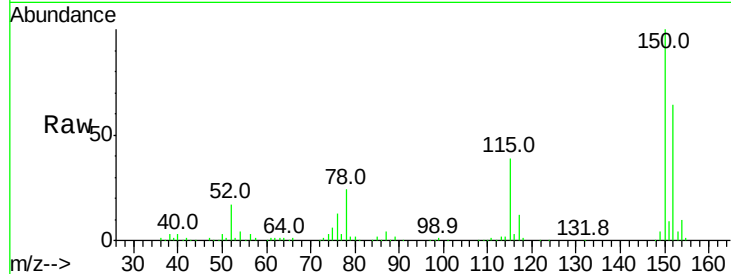


#1

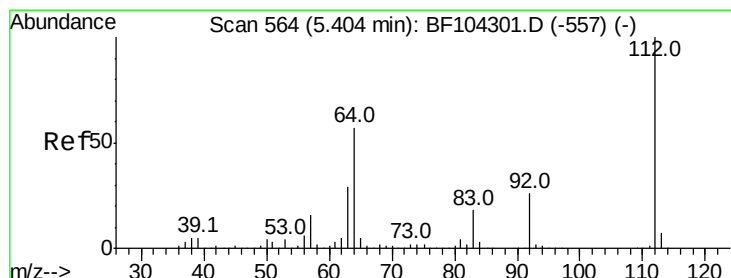
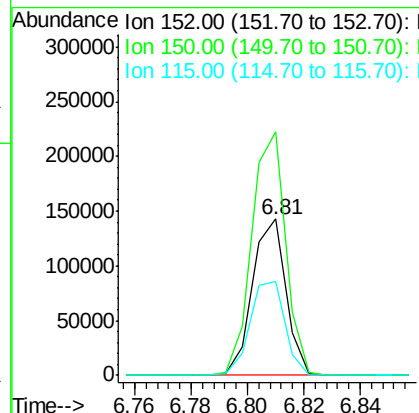
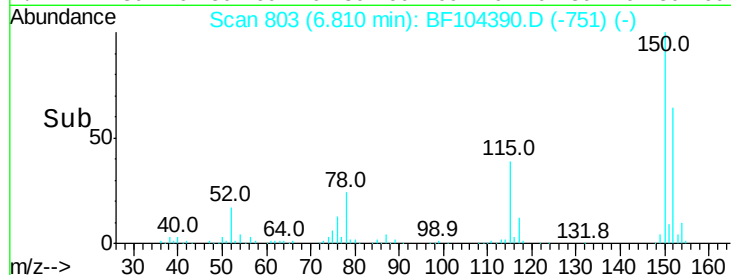
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 118153
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.6 186.8
 115 60.0 50.1 75.1



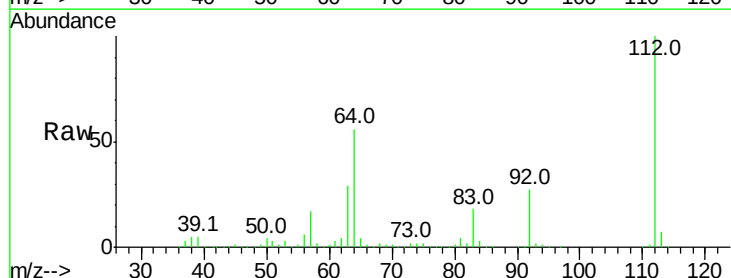
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



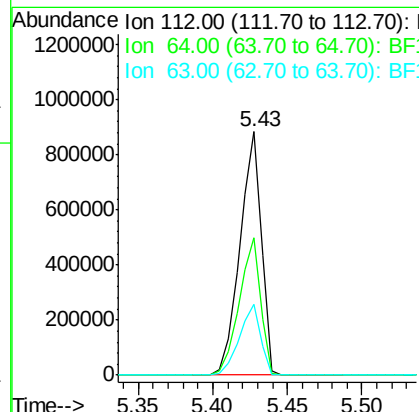
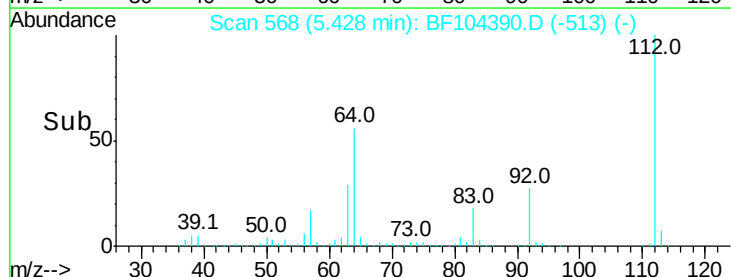
#5

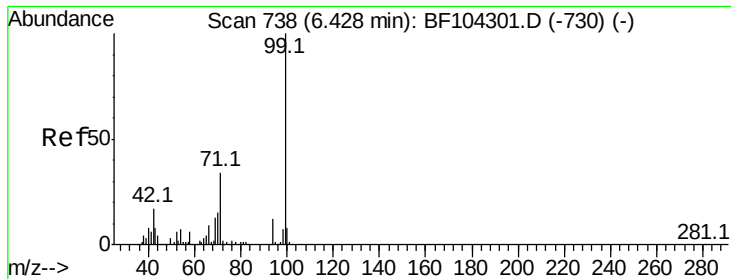
2-Fluorophenol
 Concen: 115.219 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Tgt Ion:112 Resp: 890316
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 28.9 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: 102.496 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

Instrument :

BNA_F

ClientSampleId :

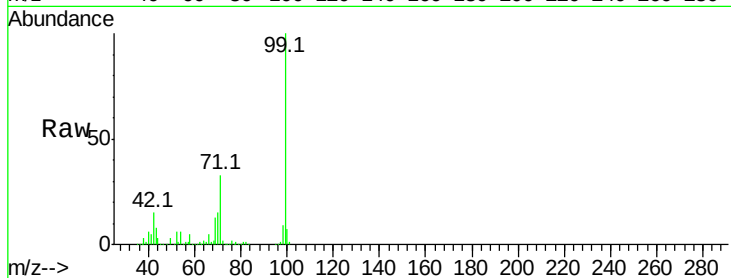
Tot Ion: 99 Resp: 973114

Ion Ratio Lower Upper

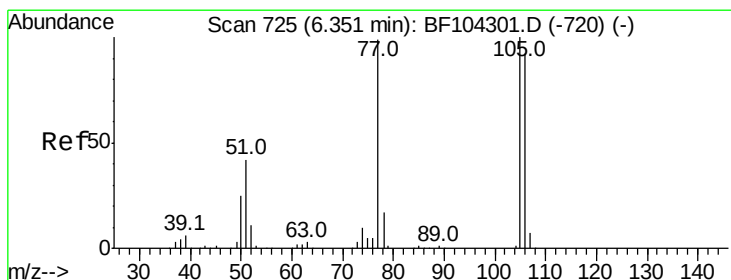
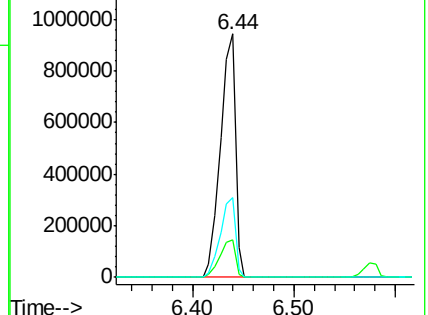
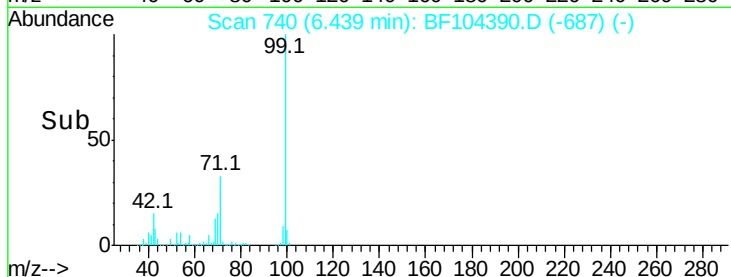
99 100

42 15.3 14.5 21.7

71 32.7 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: 2.109 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.23 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

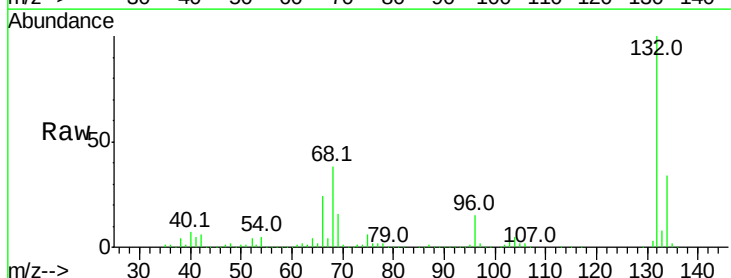
Tgt Ion: 77 Resp: 21106

Ion Ratio Lower Upper

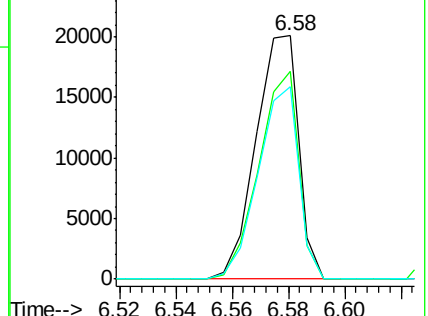
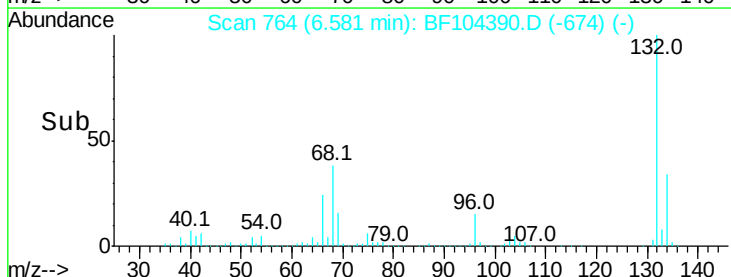
77 100

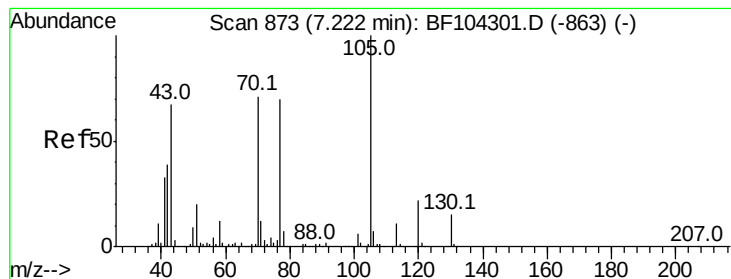
105 85.5 81.1 121.1

106 79.0 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: 14.754 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 91533

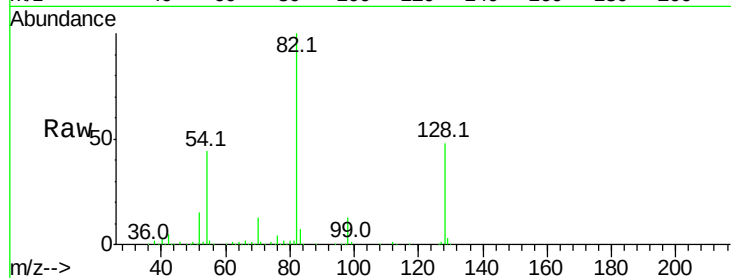
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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

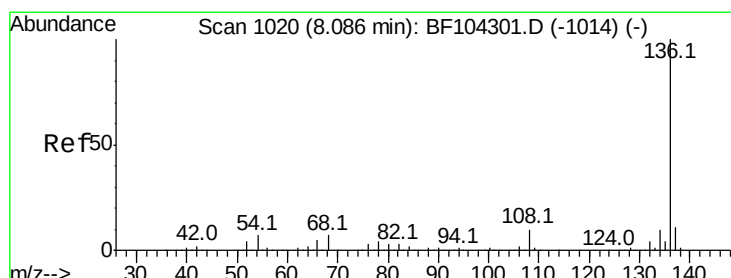
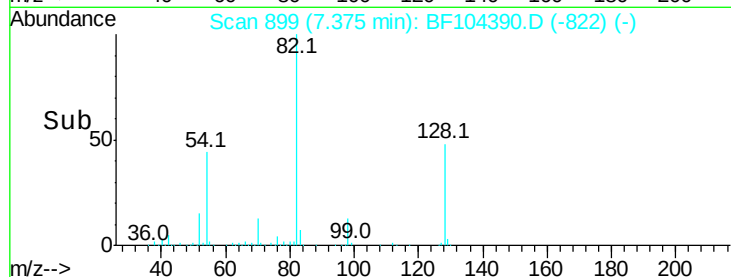
100000

50000

0

7.35 7.40

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

Tgt Ion:136 Resp: 449666

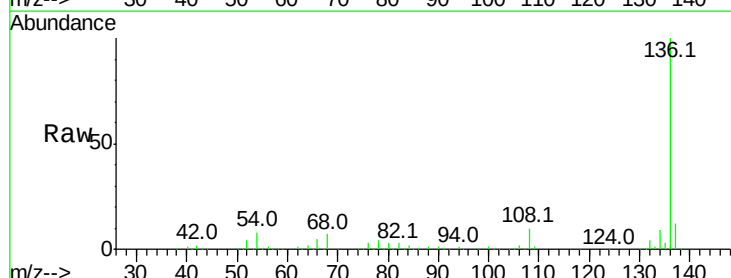
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.7 6.6 9.8

68 6.7 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

600000

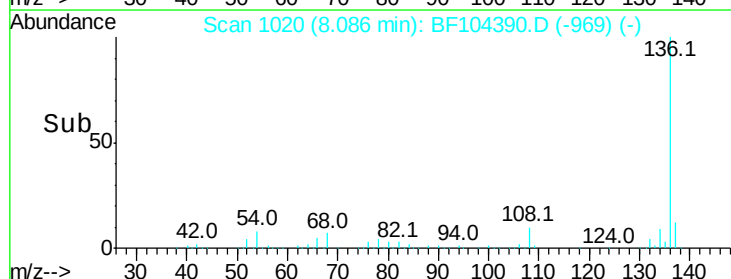
400000

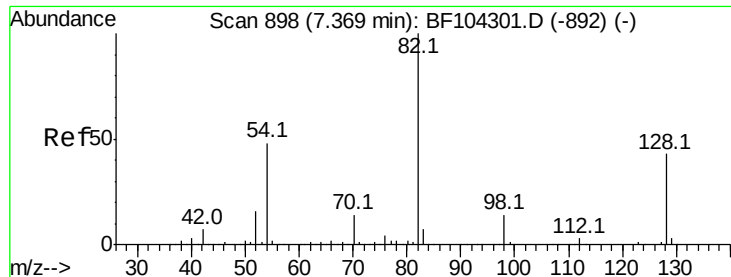
200000

0

8.00 8.05 8.10 8.15 8.20

Time-->

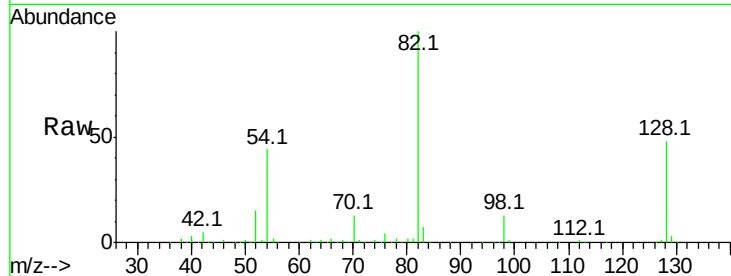




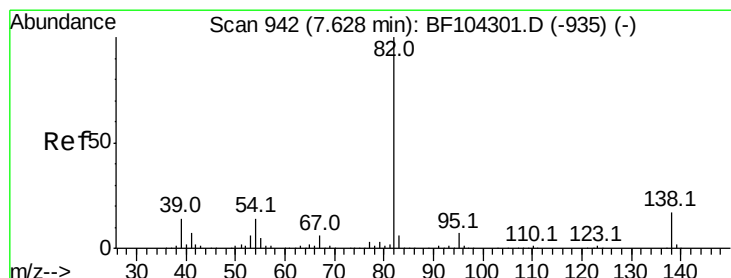
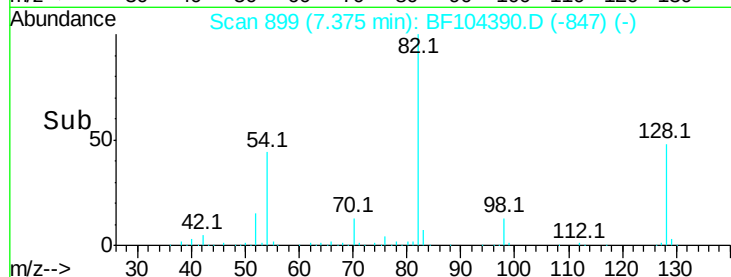
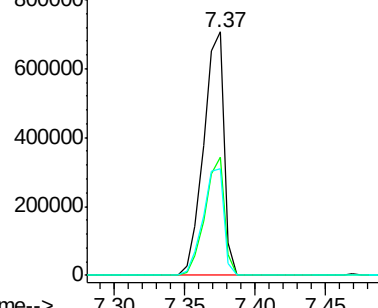
#23
 Nitrobenzene-d5
 Concen: 102.926 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 708783
 Ion Ratio Lower Upper
 82 100
 128 48.5 36.1 54.1
 54 43.9 41.4 62.2

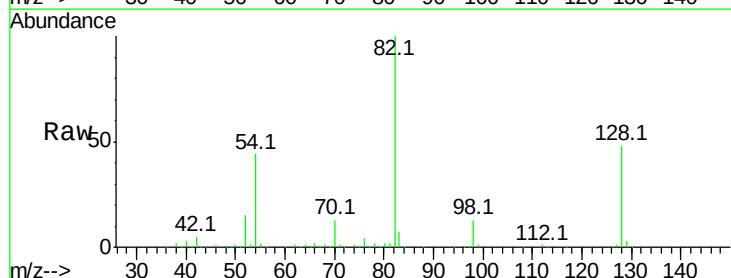


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

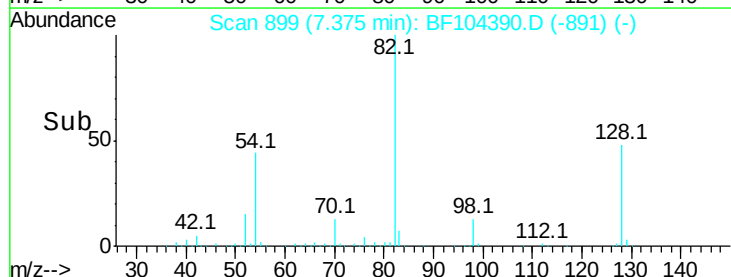
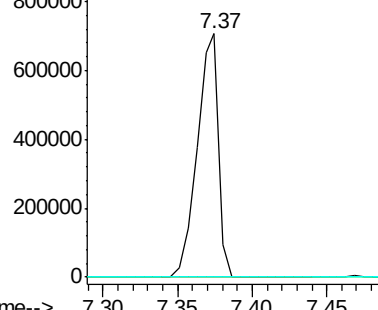


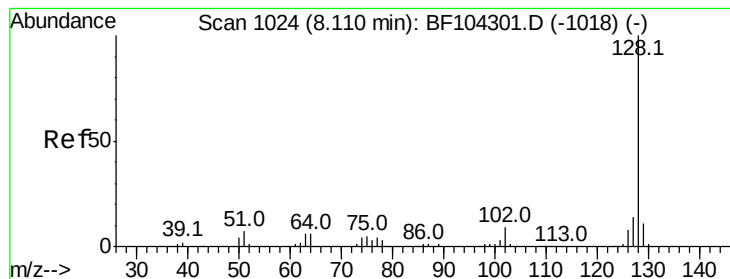
#25
 Isophorone
 Concen: 48.672 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.25 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Tgt Ion: 82 Resp: 708776
 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: 2.449 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

Instrument :

BNA_F

ClientSampleId :

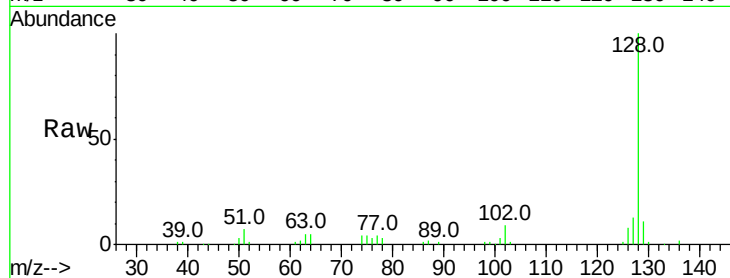
Tot Ion:128 Resp: 54833

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

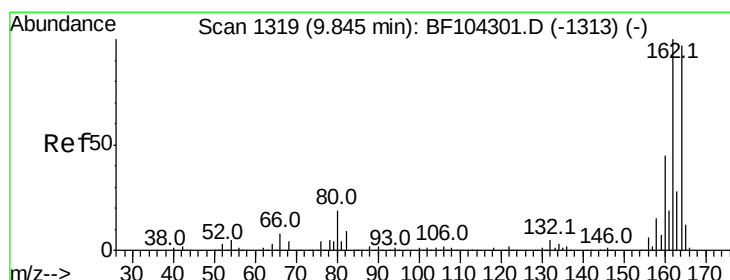
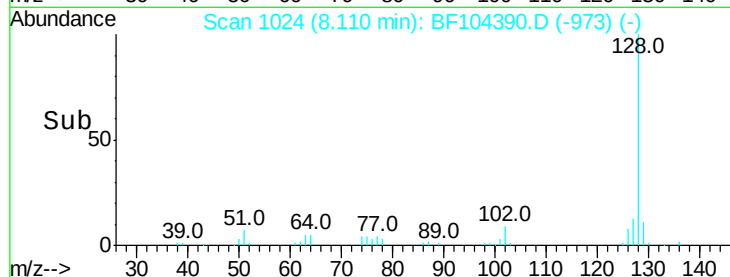
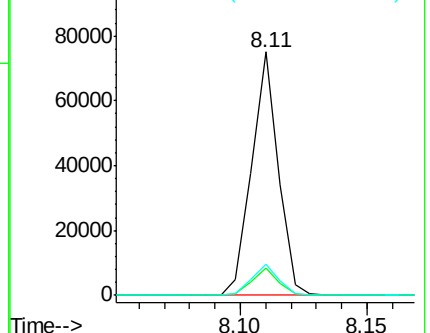
127 12.9 10.9 16.3



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: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104390.D

Acq: 10 Apr 2018 00:06

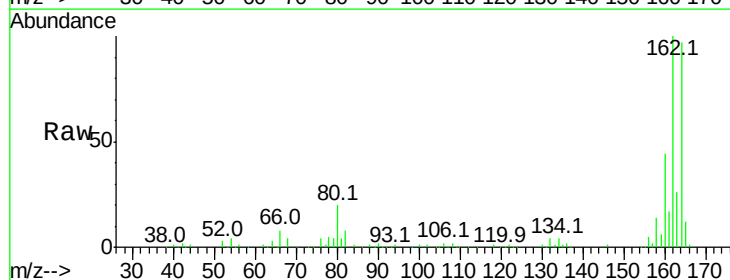
Tgt Ion:164 Resp: 173905

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

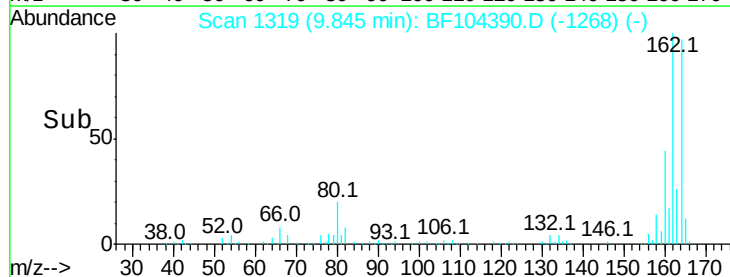
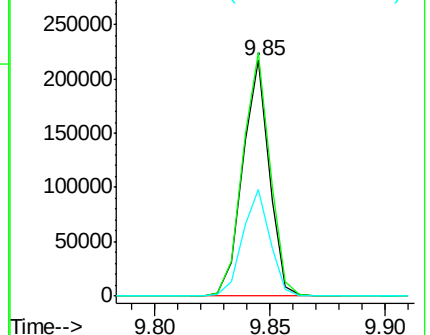
160 45.3 38.3 57.5

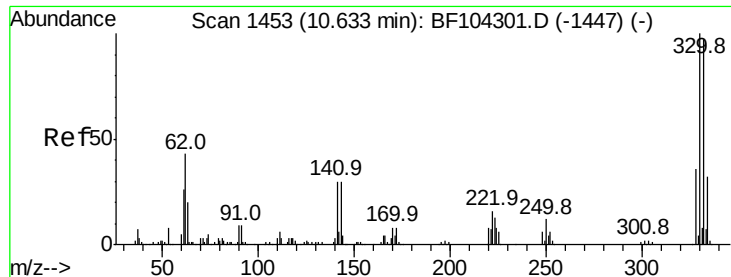


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

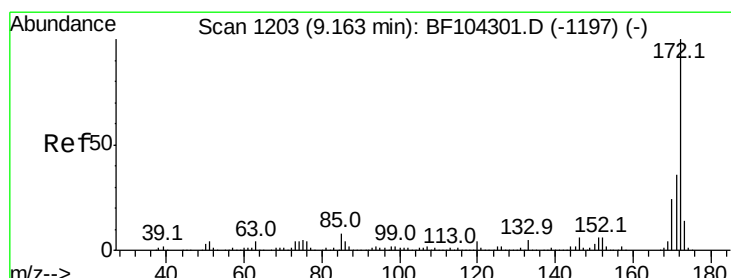
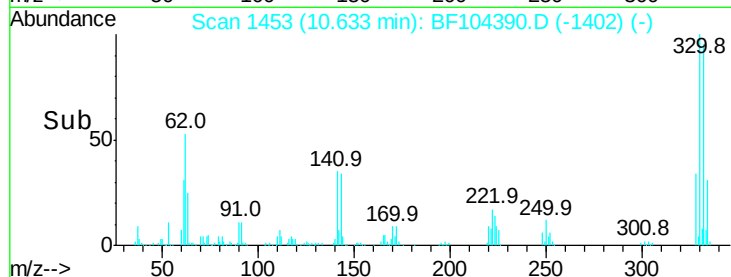
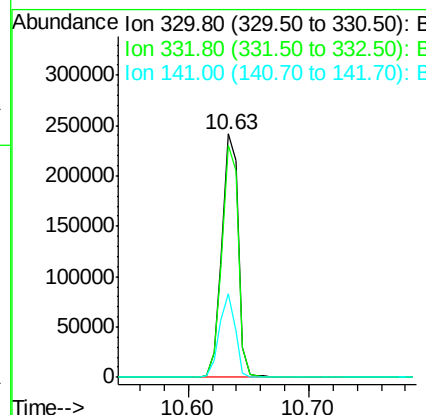
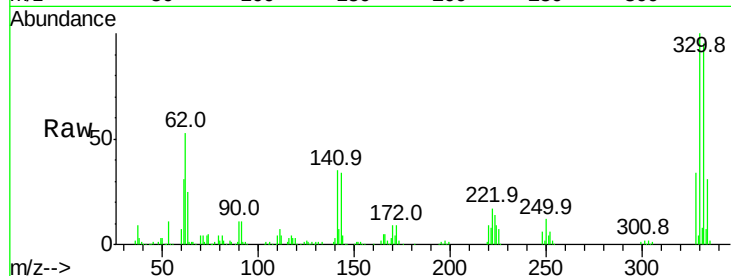




#41
 2,4,6-Tribromophenol
 Concen: 124.401 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

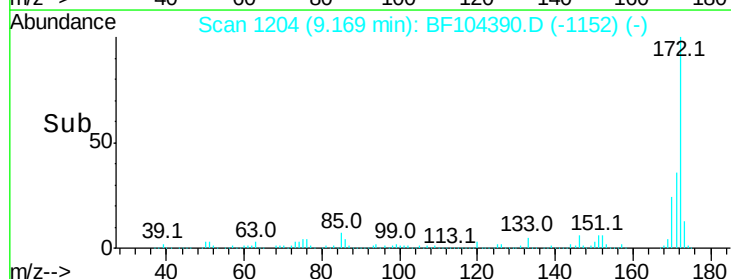
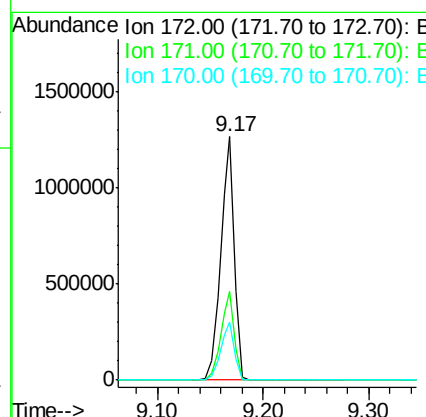
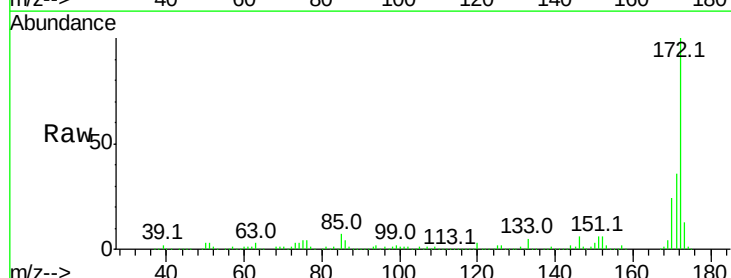
Instrument :
 BNA_F
 ClientSampleId :

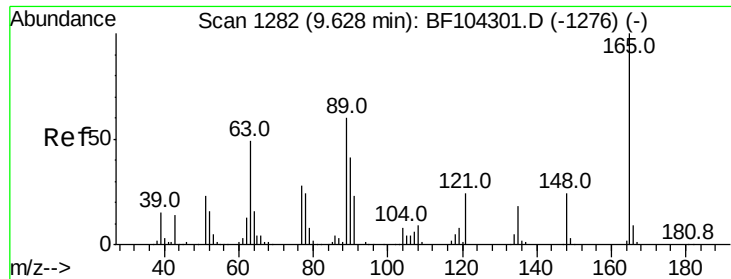
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	33.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 104.684 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.6	19.6	29.4

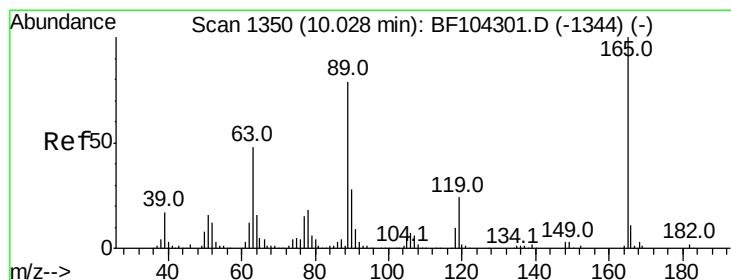
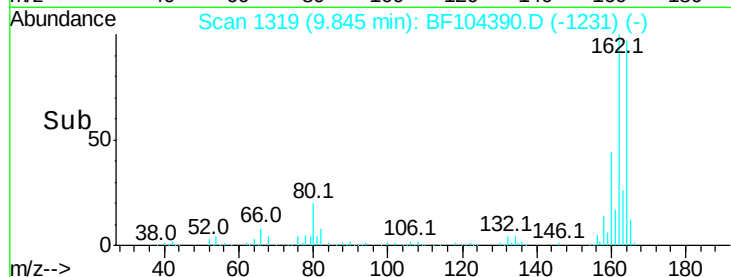
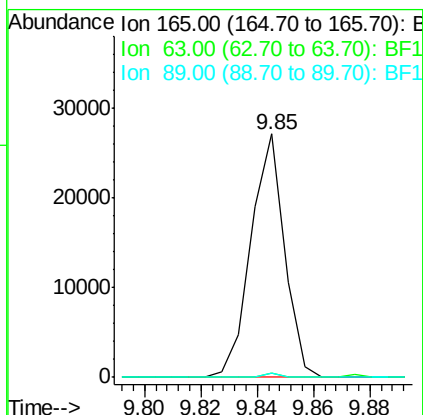
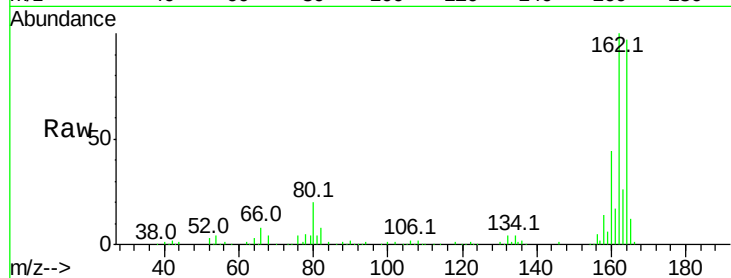




#50
 2,6-Dinitrotoluene
 Concen: 8.825 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.22 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

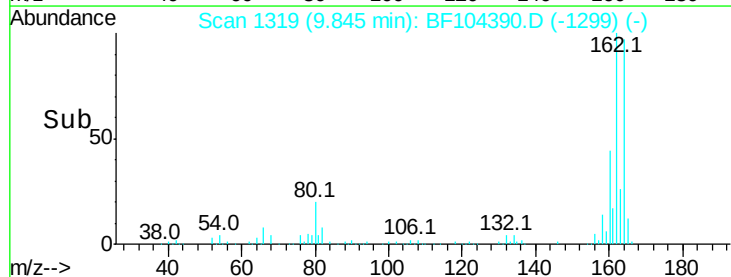
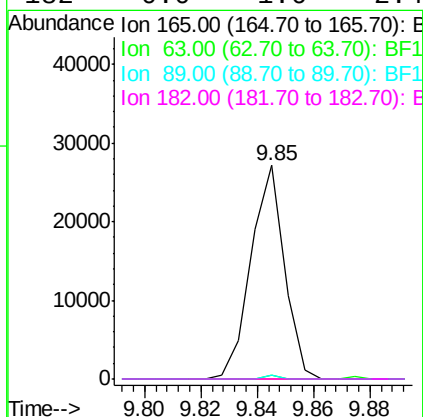
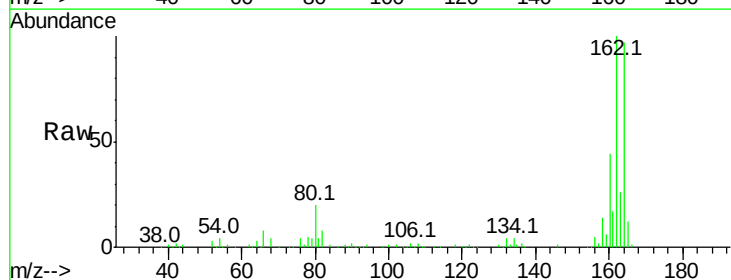
Instrument :
 BNA_F
 ClientSampleId :

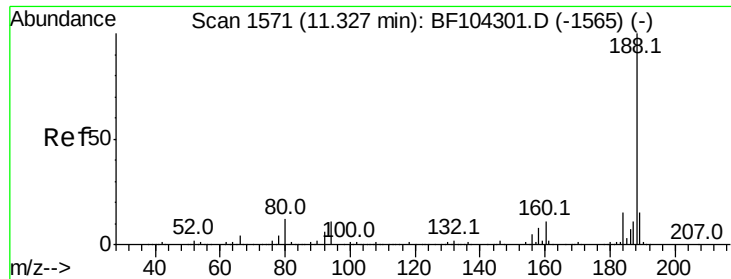
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.728 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

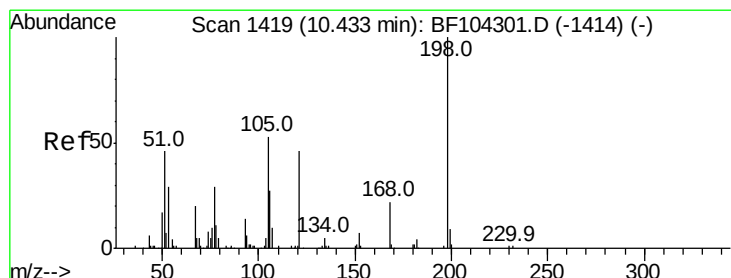
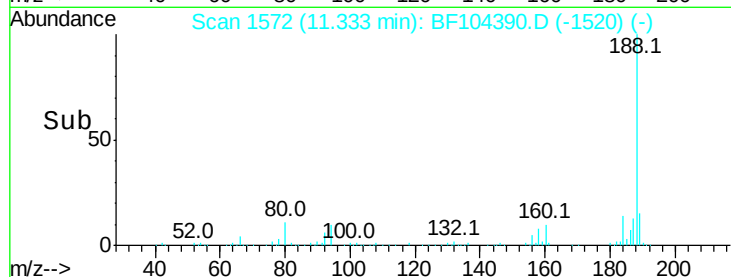
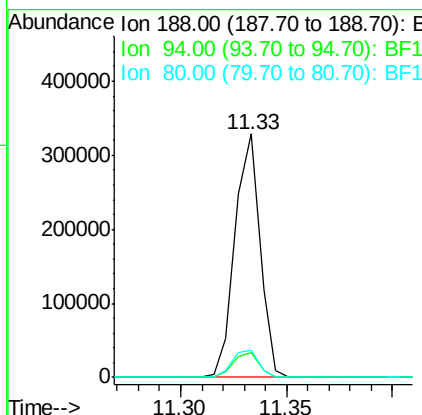
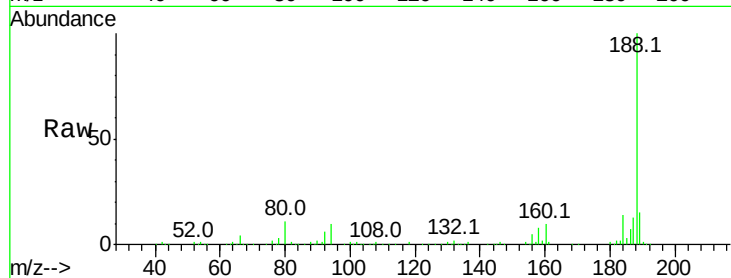




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF104390.D
Acq: 10 Apr 2018 00:06

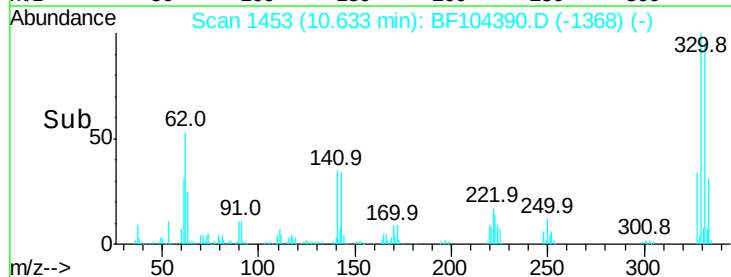
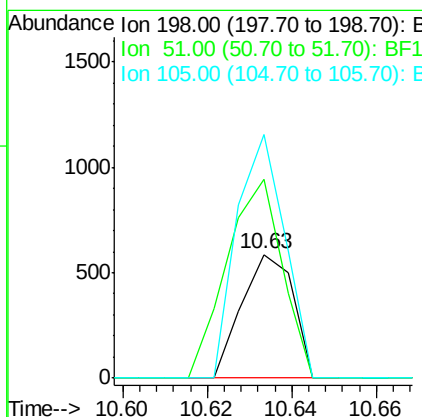
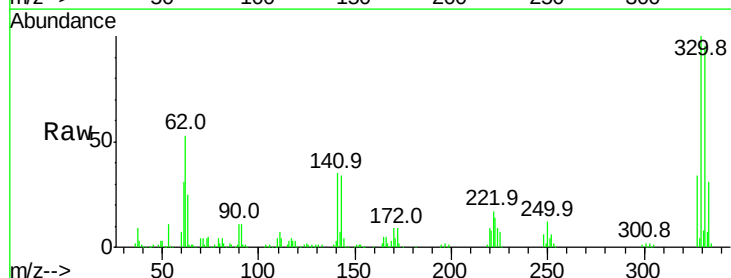
Instrument :
BNA_F
ClientSampleId :

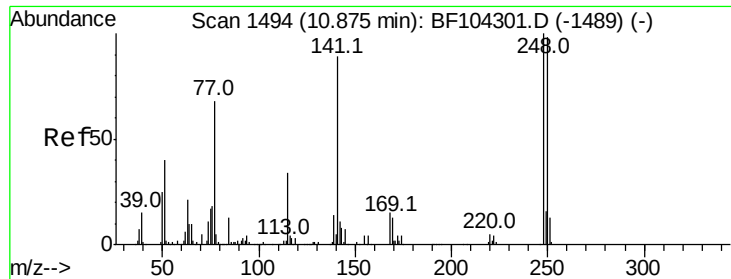
Tot Ion:188 Resp: 269320
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 11.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.666 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104390.D
Acq: 10 Apr 2018 00:06

Tgt Ion:198 Resp: 494
Ion Ratio Lower Upper
198 100
51 161.0 37.7 77.7#
105 196.9 36.3 76.3#

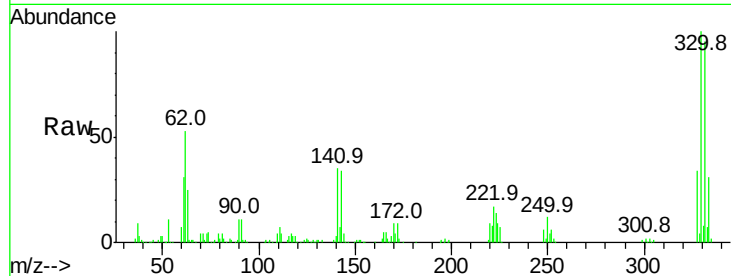




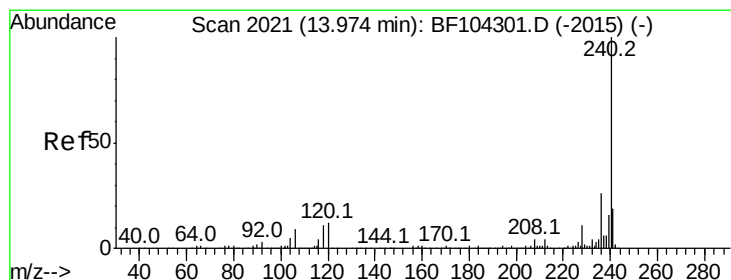
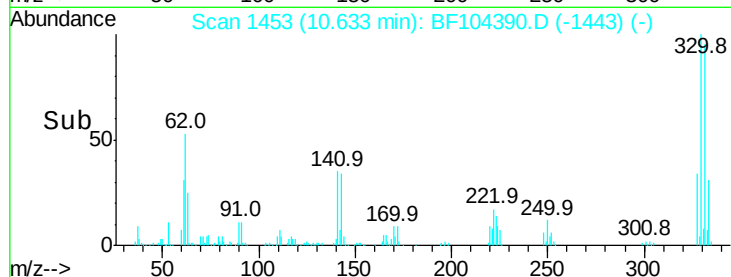
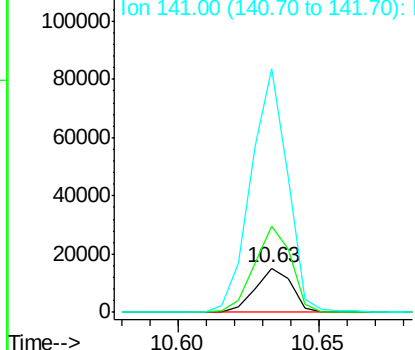
#66
4-Bromophenyl-phenylether
Concen: 4.763 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104390.D
Acq: 10 Apr 2018 00:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13646
Ion Ratio Lower Upper
248 100
250 192.7 76.9 115.3#
141 547.9 74.4 111.6#

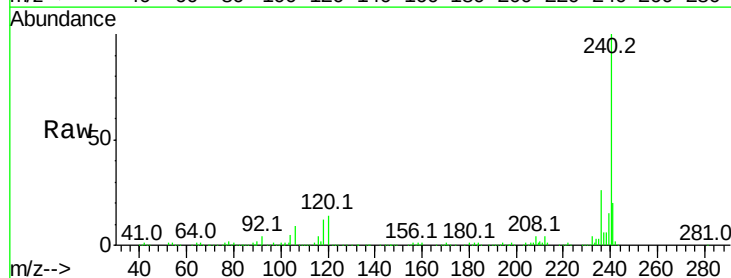


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

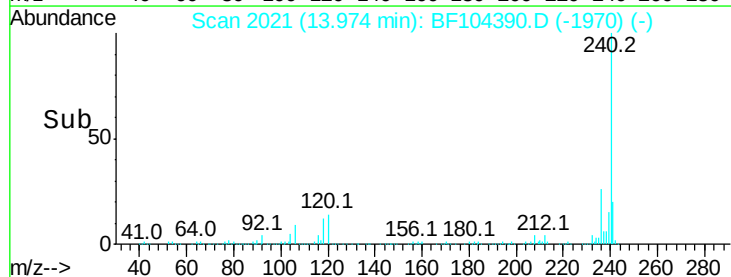
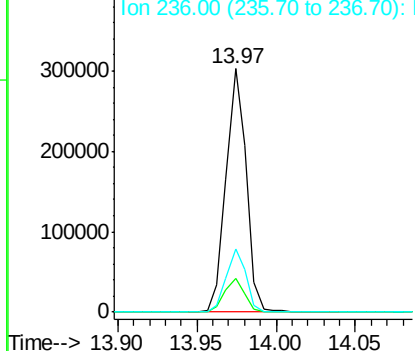


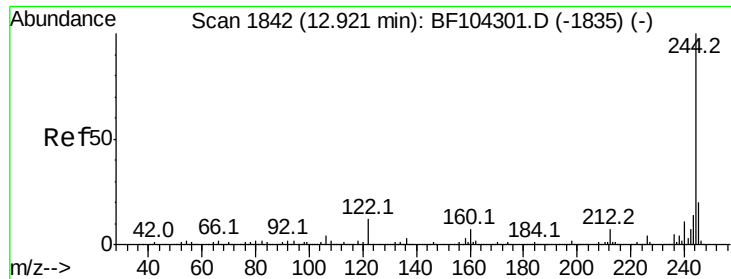
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104390.D
Acq: 10 Apr 2018 00:06

Tgt Ion:240 Resp: 267155
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 25.8 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

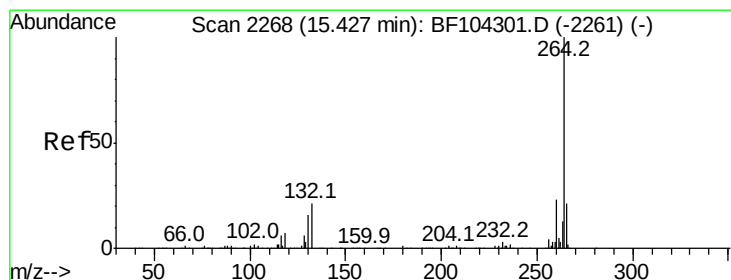
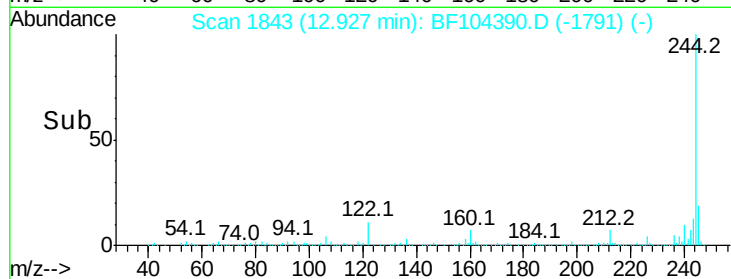
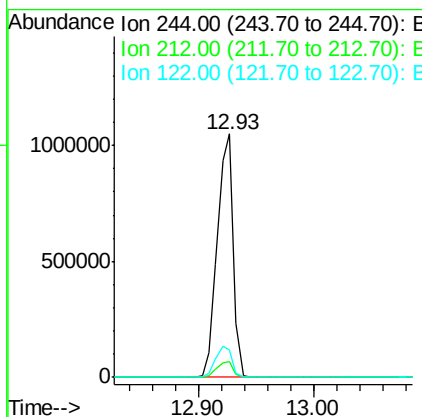
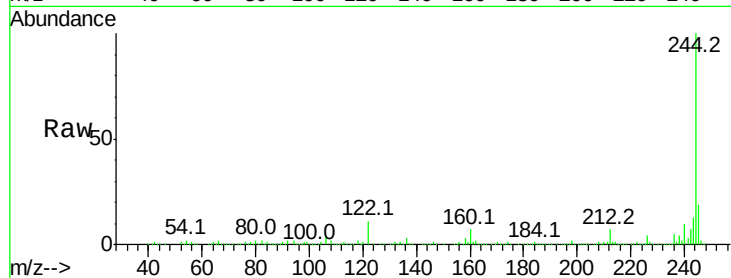




#78
 Terphenyl-d14
 Concen: 85.477 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 1001633
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF104390.D
 Acq: 10 Apr 2018 00:06

Tgt Ion:264 Resp: 207576
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.4 17.5 26.3

