

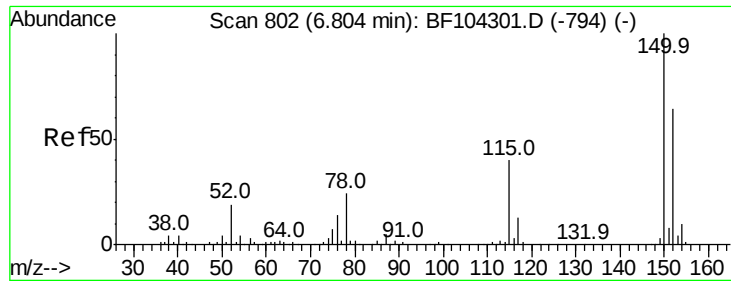
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104462.D
 Acq On : 12 Apr 2018 20:16
 Operator : JU/SJ
 Sample : J2310-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:17:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120206	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	453122	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	179710	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	283248	20.00	ng	0.00
75) Chrysene-d12	13.99	240	235365	20.00	ng	0.00
86) Perylene-d12	15.45	264	171297	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	721732	91.81	ng	0.00
7) Phenol-d6	6.45	99	889803	92.12	ng	0.00
23) Nitrobenzene-d5	7.37	82	521375	75.13	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	180429	96.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	929725	81.73	ng	0.00
78) Terphenyl-d14	12.93	244	757045	73.33	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1309	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	67976	10.770 ng	#	73
25) Isophorone	7.37	82	521370	35.530 ng	#	64
49) Dimethylphthalate	9.56	163	61081	4.310 ng	#	99
50) 2,6-Dinitrotoluene	9.85	165	23260	8.870 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	23260	6.762 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.64	198	193	7.466 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	10987	3.647 ng	#	1
76) Benzidine	12.93	184	10017	Below Cal	#	93
83) Bis(2-ethylhexyl)phthalate	13.96	149	45063	4.263 ng		98

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

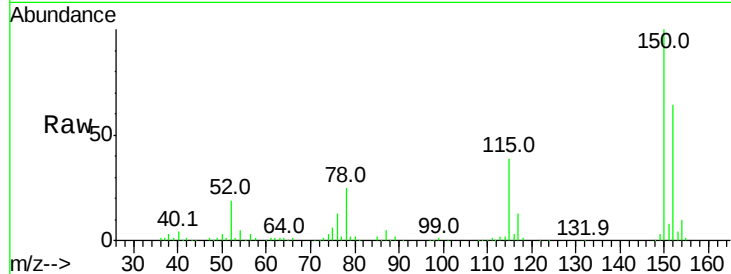


#1

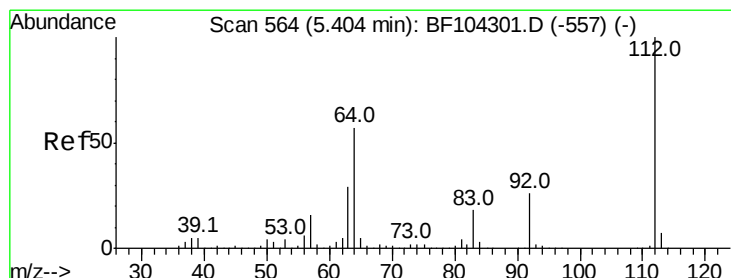
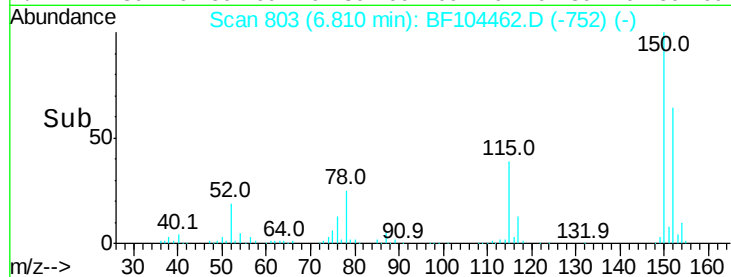
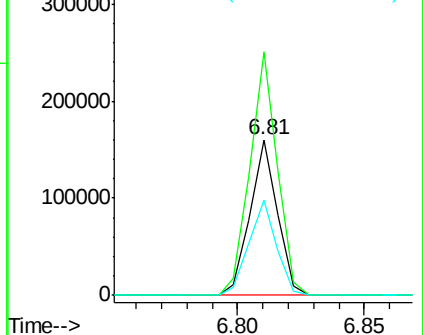
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 120206
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 61.5 50.1 75.1



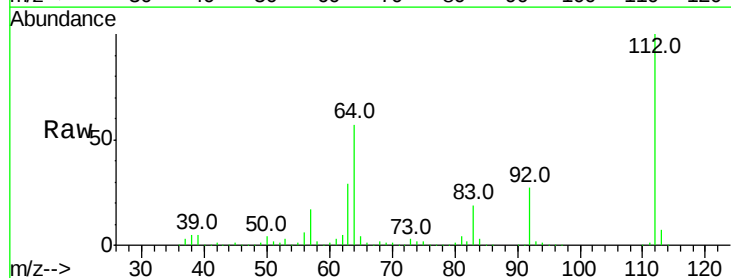
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



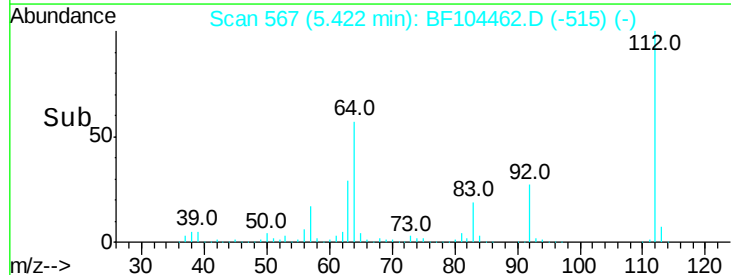
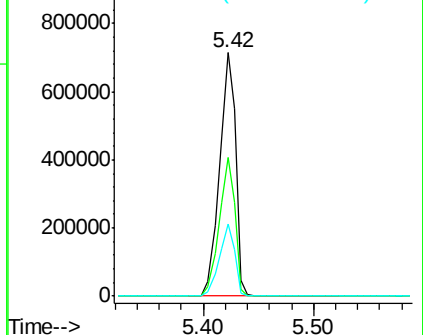
#5

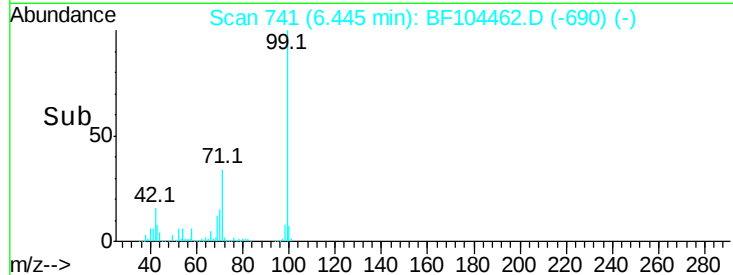
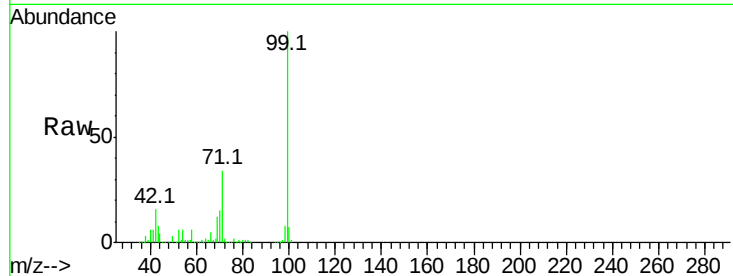
2-Fluorophenol
 Concen: 91.806 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Tgt Ion:112 Resp: 721732
 Ion Ratio Lower Upper
 112 100
 64 57.1 47.9 71.9
 63 29.4 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: 92.120 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampled :

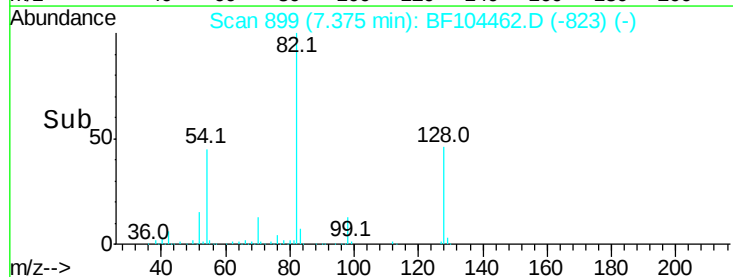
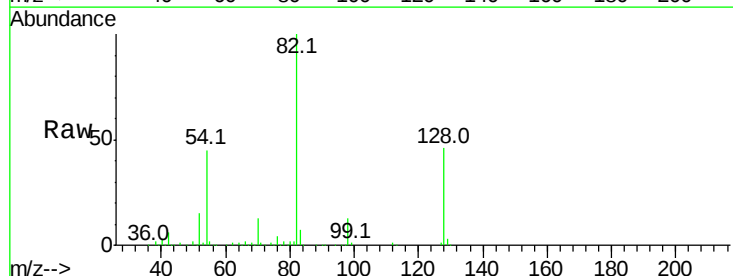
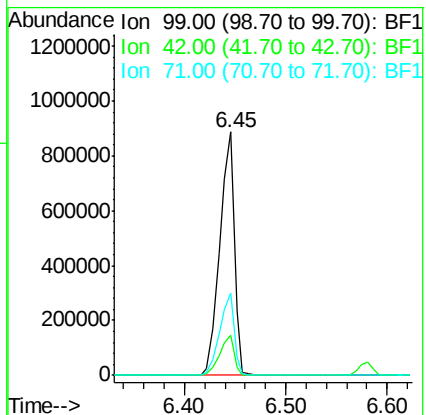
Tot Ion: 99 Resp: 889803

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 33.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.770 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Tgt Ion: 70 Resp: 67976

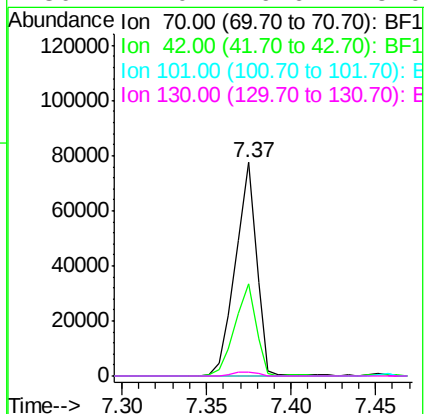
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453122

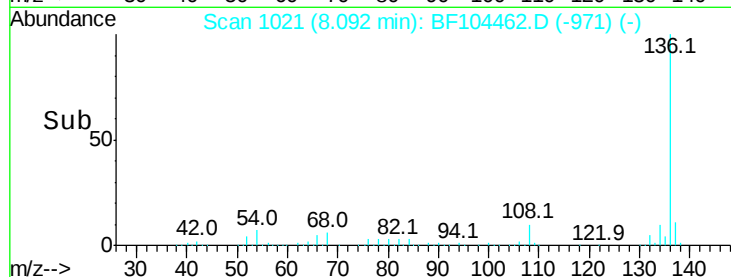
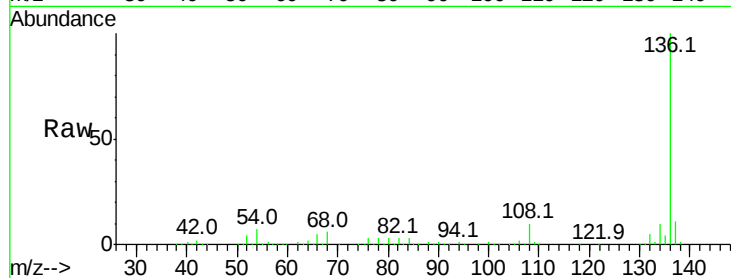
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.1 6.6 9.8

68 6.1 5.0 7.4

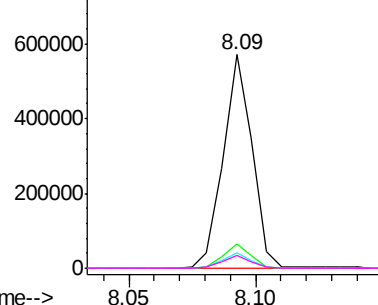


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.134 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

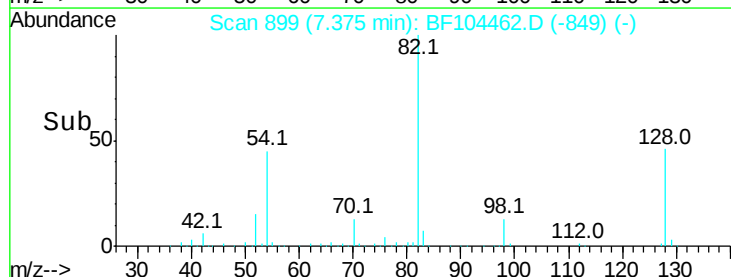
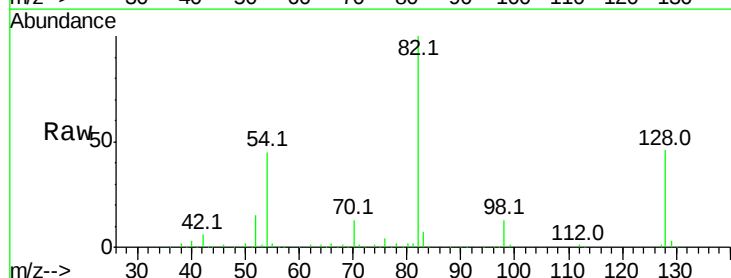
Tgt Ion: 82 Resp: 521375

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

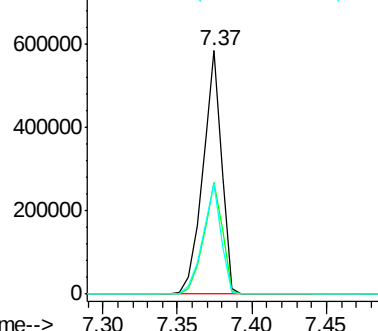
54 45.3 41.4 62.2



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: 35.530 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampleId :

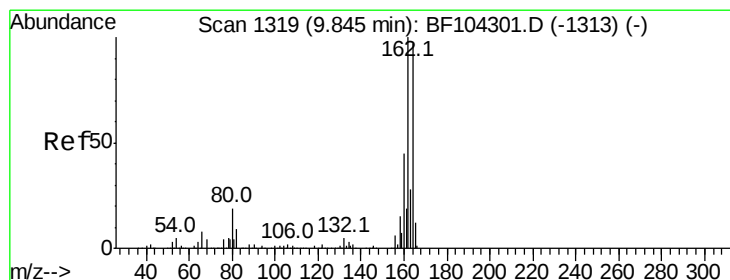
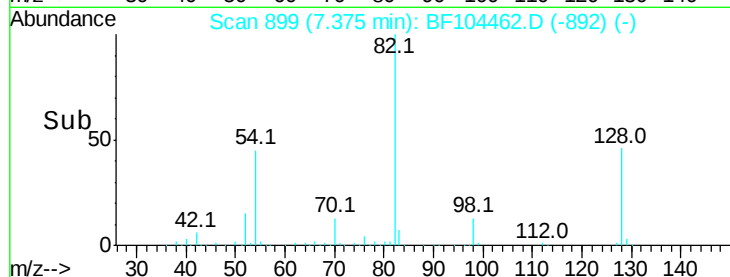
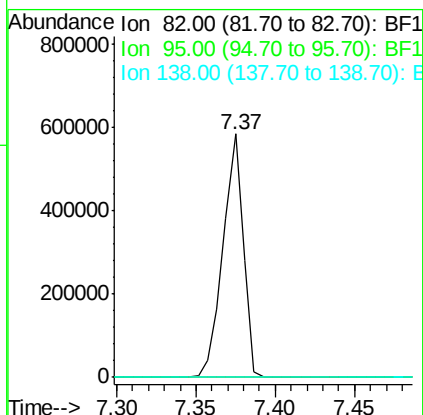
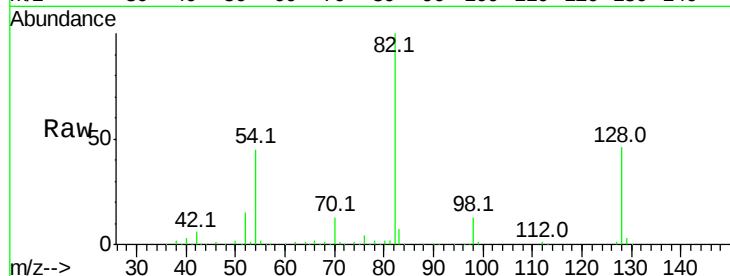
Tot Ion: 82 Resp: 521370

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

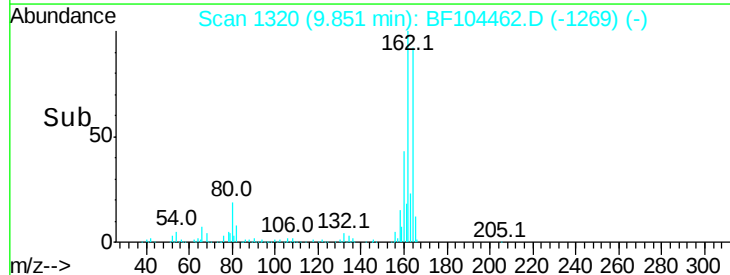
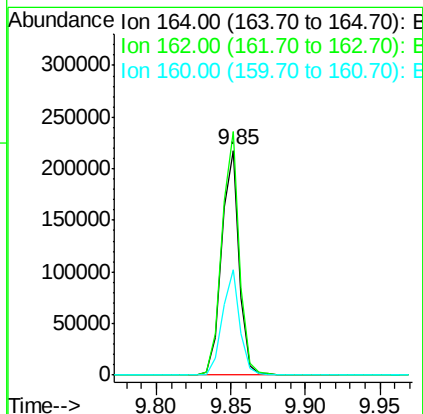
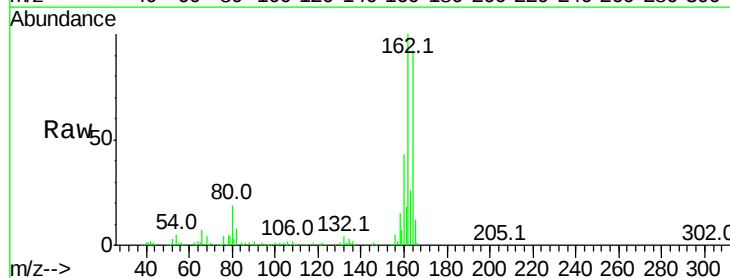
Tgt Ion:164 Resp: 179710

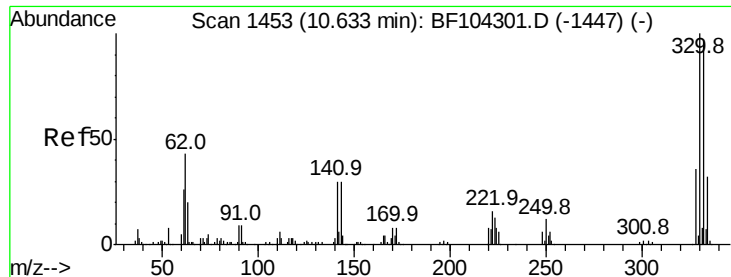
Ion Ratio Lower Upper

164 100

162 108.3 86.1 129.1

160 46.6 38.3 57.5

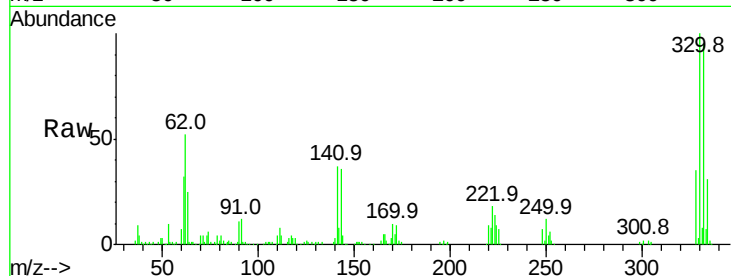




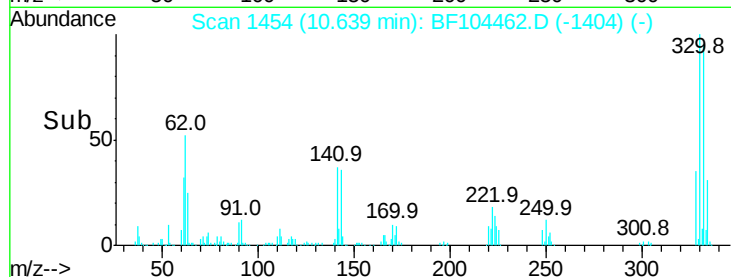
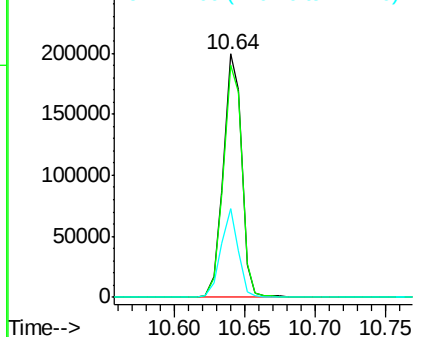
#41
 2,4,6-Tribromophenol
 Concen: 96.787 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.4	29.9	44.9

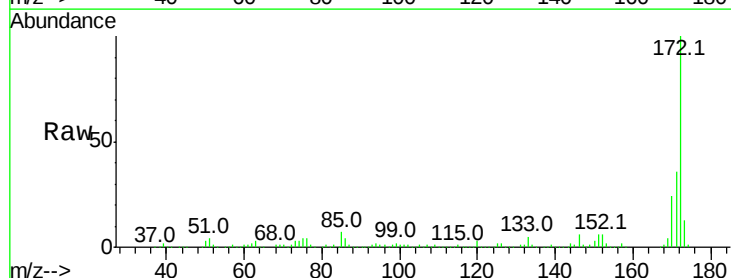


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

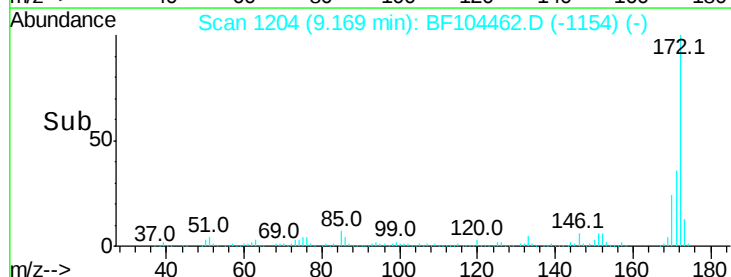
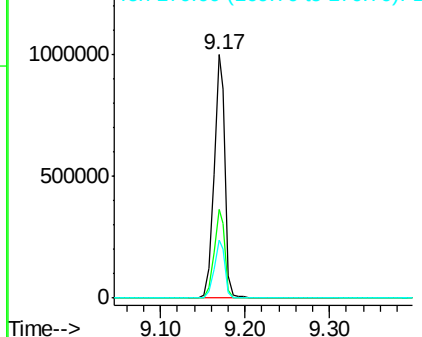


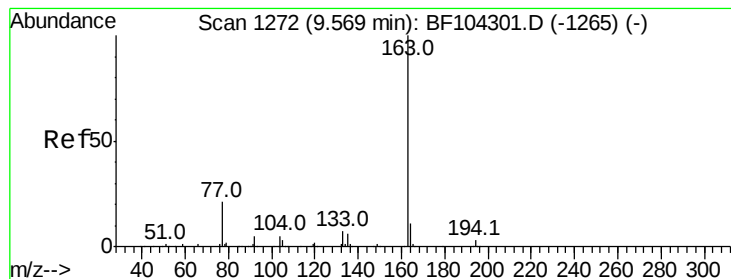
#44
 2-Fluorobiphenyl
 Concen: 81.728 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	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





#49

Dimethylphthalate

Concen: 4.310 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampled :

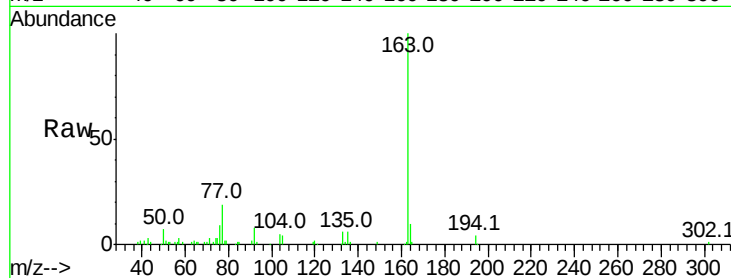
Tot Ion:163 Resp: 61081

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

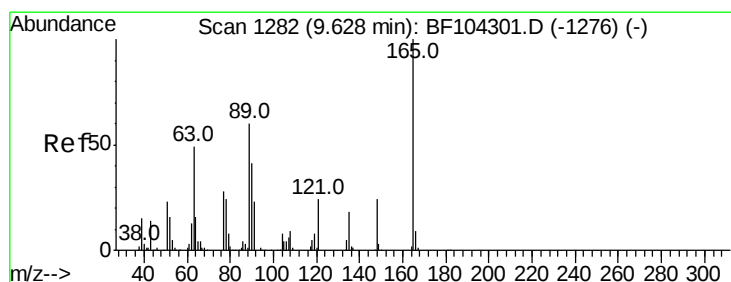
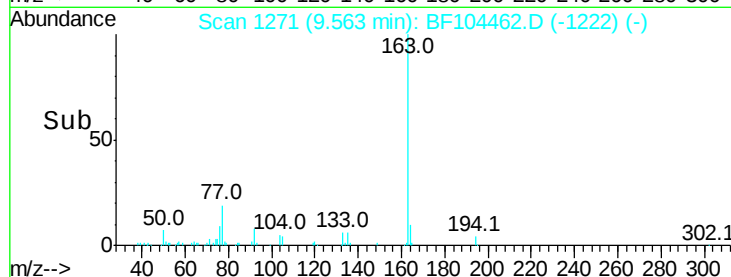
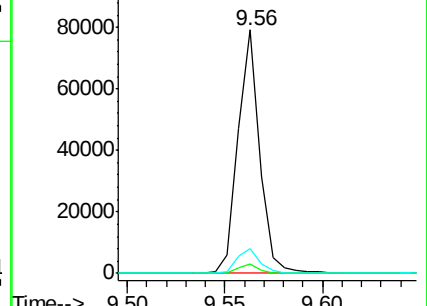
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.870 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

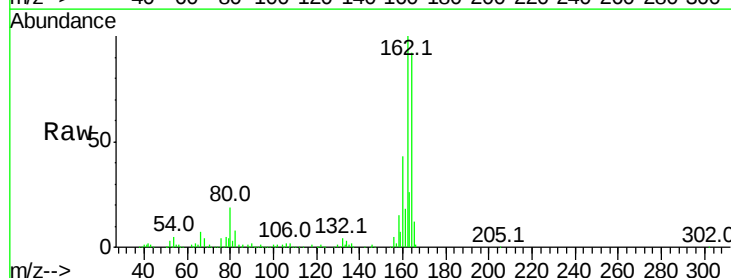
Tgt Ion:165 Resp: 23260

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

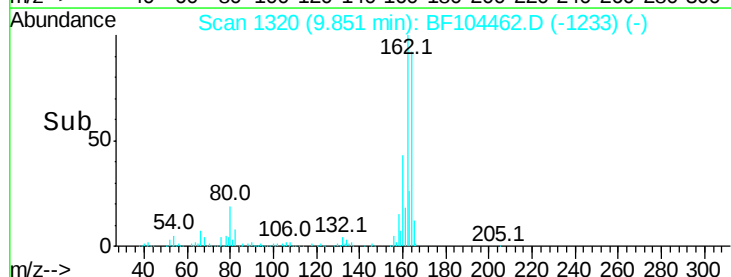
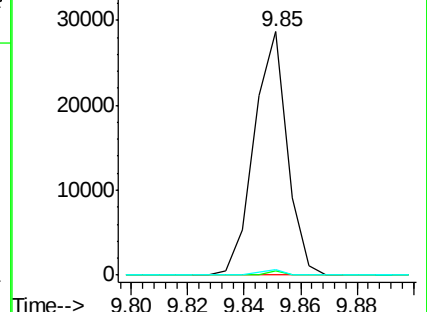
89 2.0 44.0 66.0#

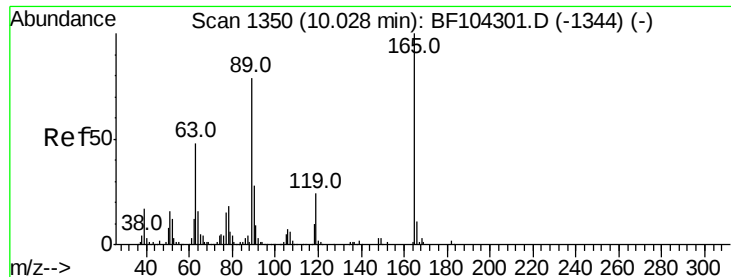


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.762 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23260

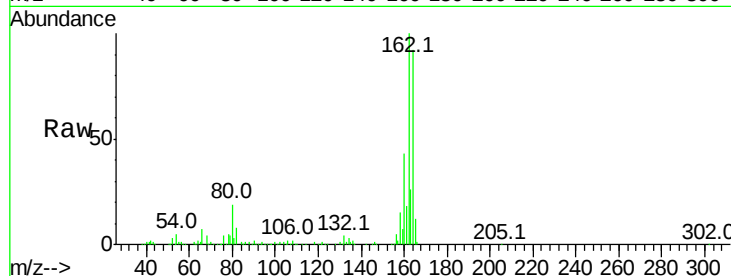
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

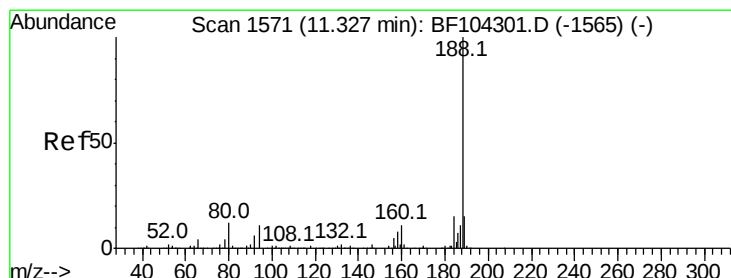
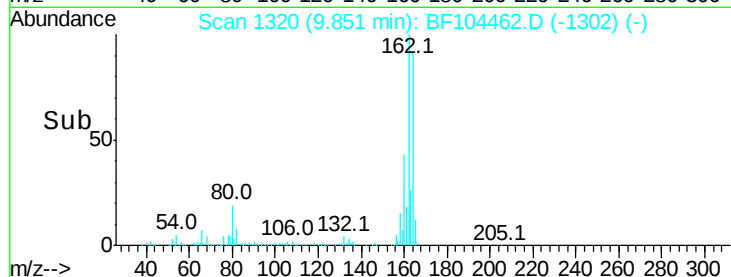
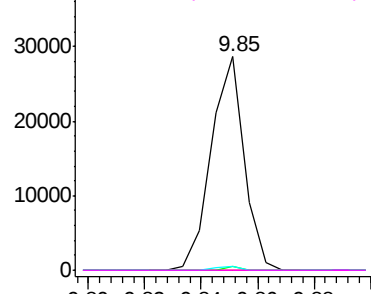


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

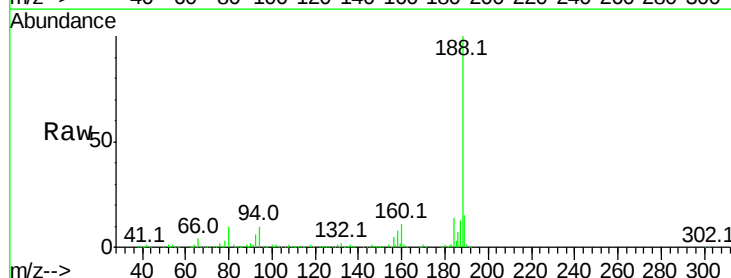
Tgt Ion:188 Resp: 283248

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

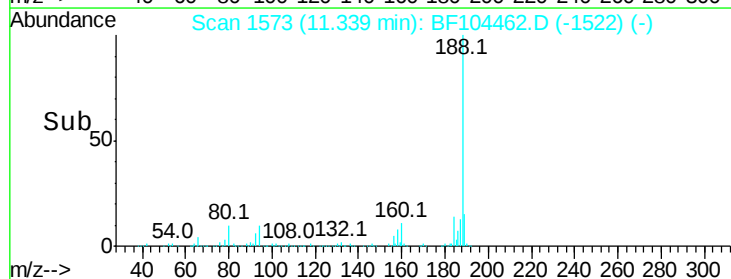
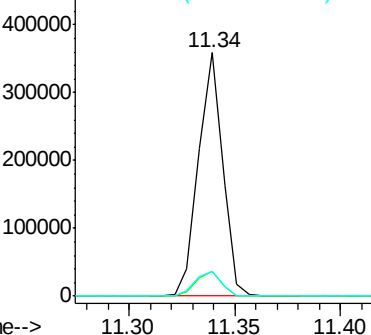
80 10.4 9.2 13.8

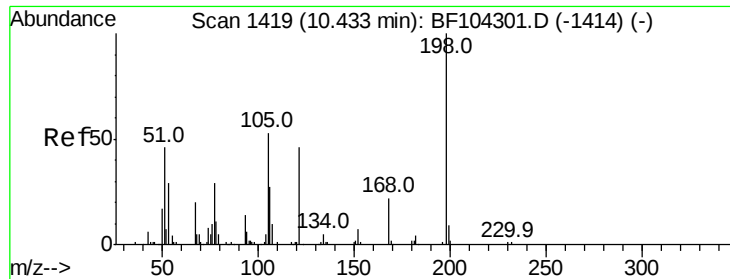


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.466 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampleId :

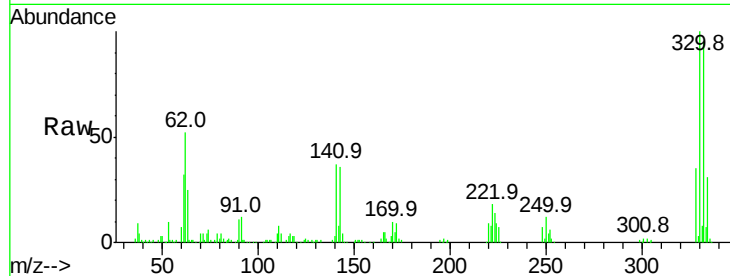
Tot Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 144.0 37.7 77.7#

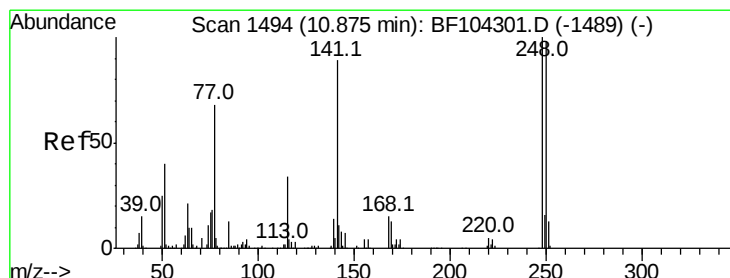
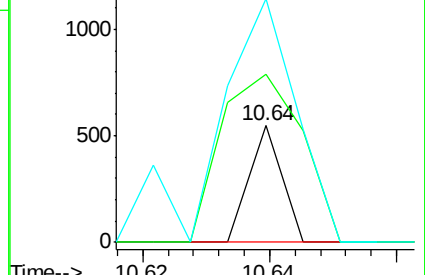
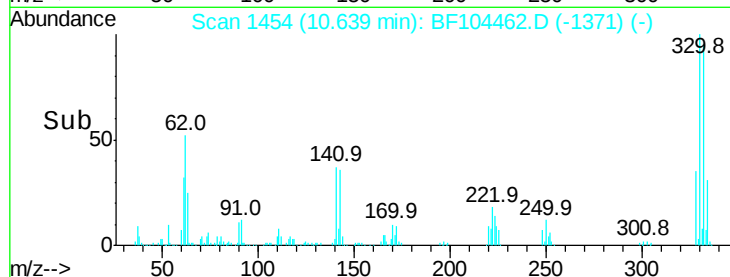
105 208.6 36.3 76.3#



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: 3.647 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

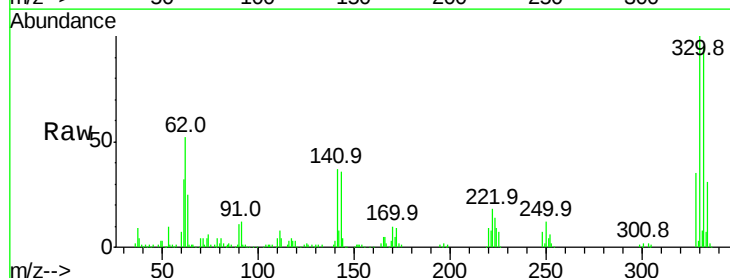
Tgt Ion:248 Resp: 10987

Ion Ratio Lower Upper

248 100

250 187.0 76.9 115.3#

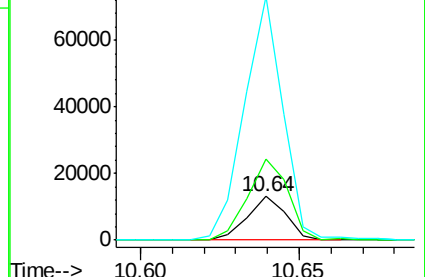
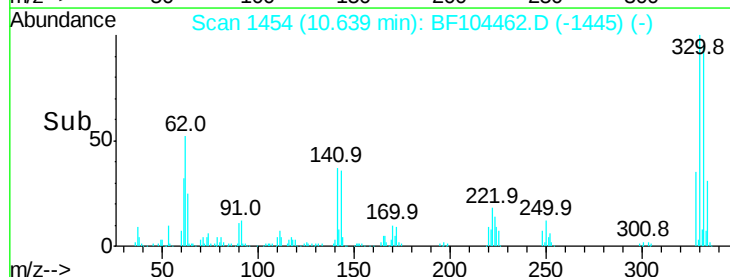
141 561.8 74.4 111.6#

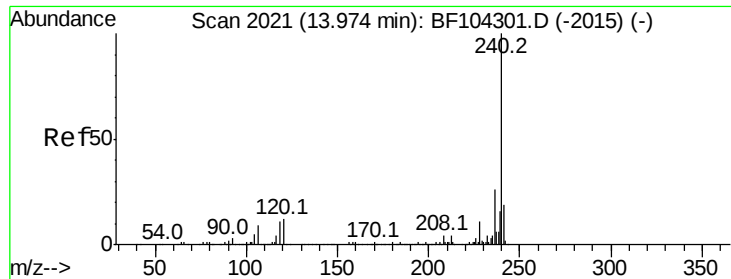


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

Instrument :

BNA_F

ClientSampleId :

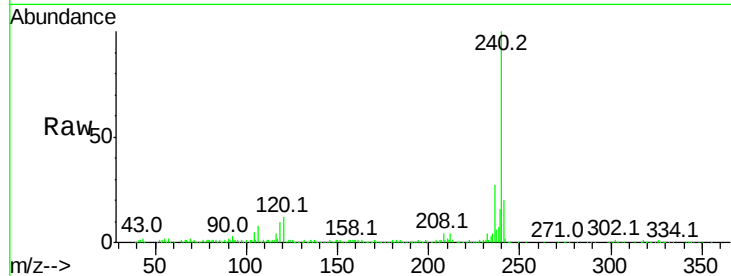
Tot Ion:240 Resp: 235365

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

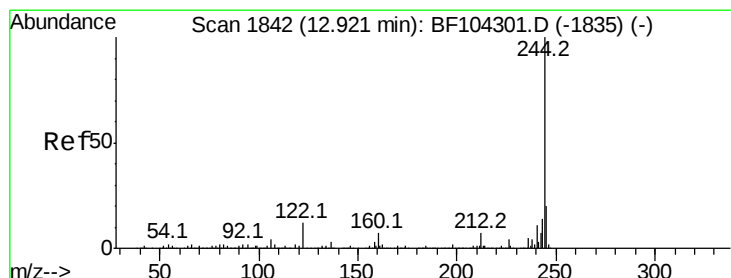
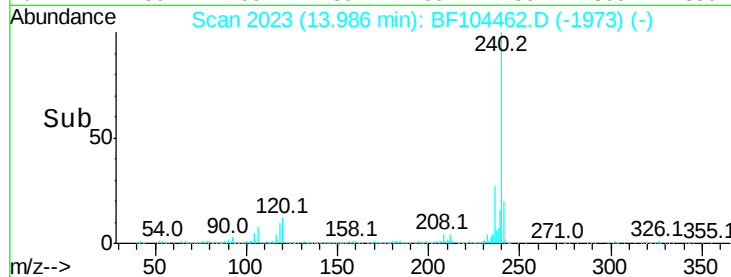
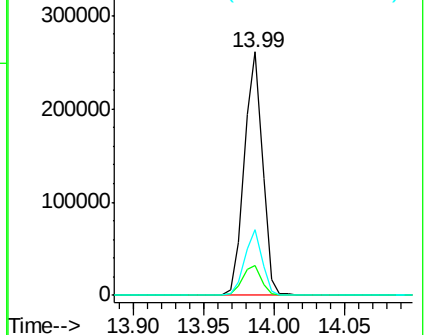
236 26.8 20.7 31.1



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: 73.330 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104462.D

Acq: 12 Apr 2018 20:16

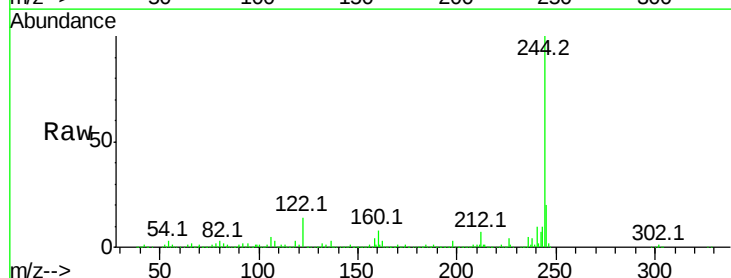
Tgt Ion:244 Resp: 757045

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

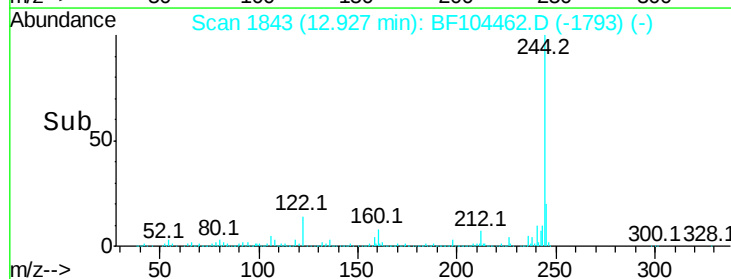
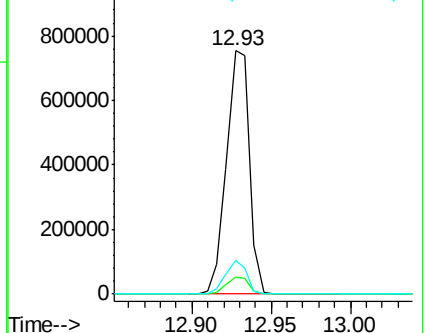
122 14.0 11.0 16.4

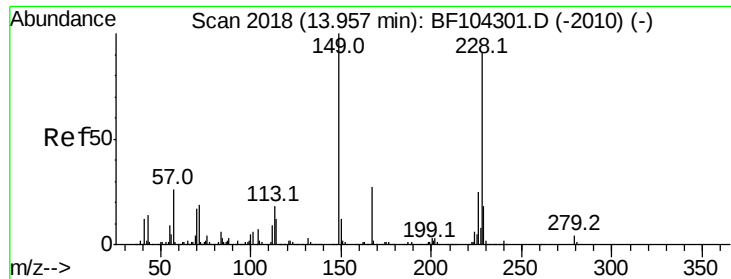


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

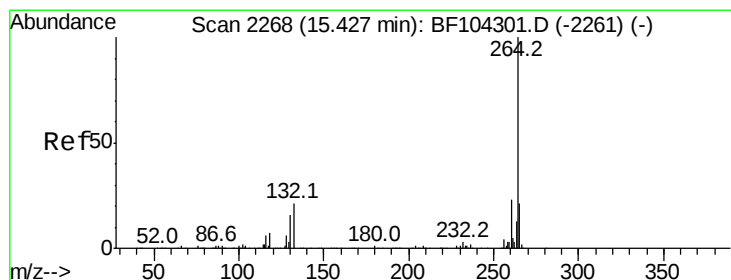
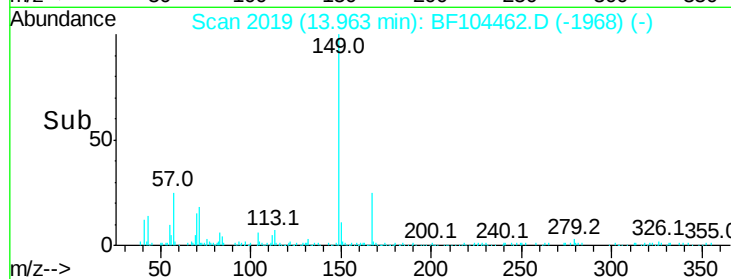
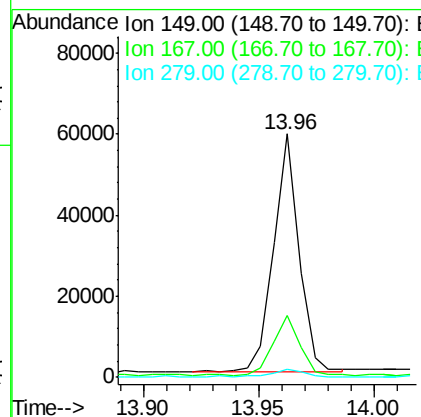
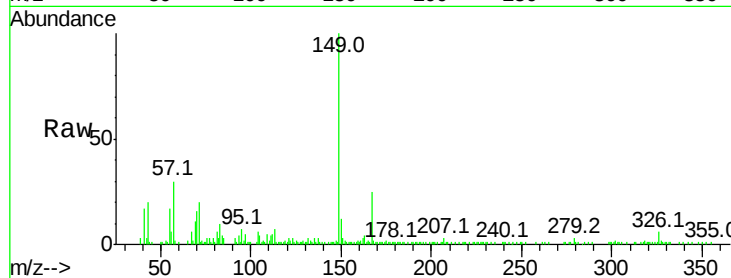




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.263 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	149	Resp:	45063
Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.3	31.9
279	3.1	3.0	4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104462.D
 Acq: 12 Apr 2018 20:16

Tgt Ion:	264	Resp:	171297
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.5	26.3

