

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104437.D
 Acq On : 11 Apr 2018 14:49
 Operator : JU/SJ
 Sample : J2310-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 15:52:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

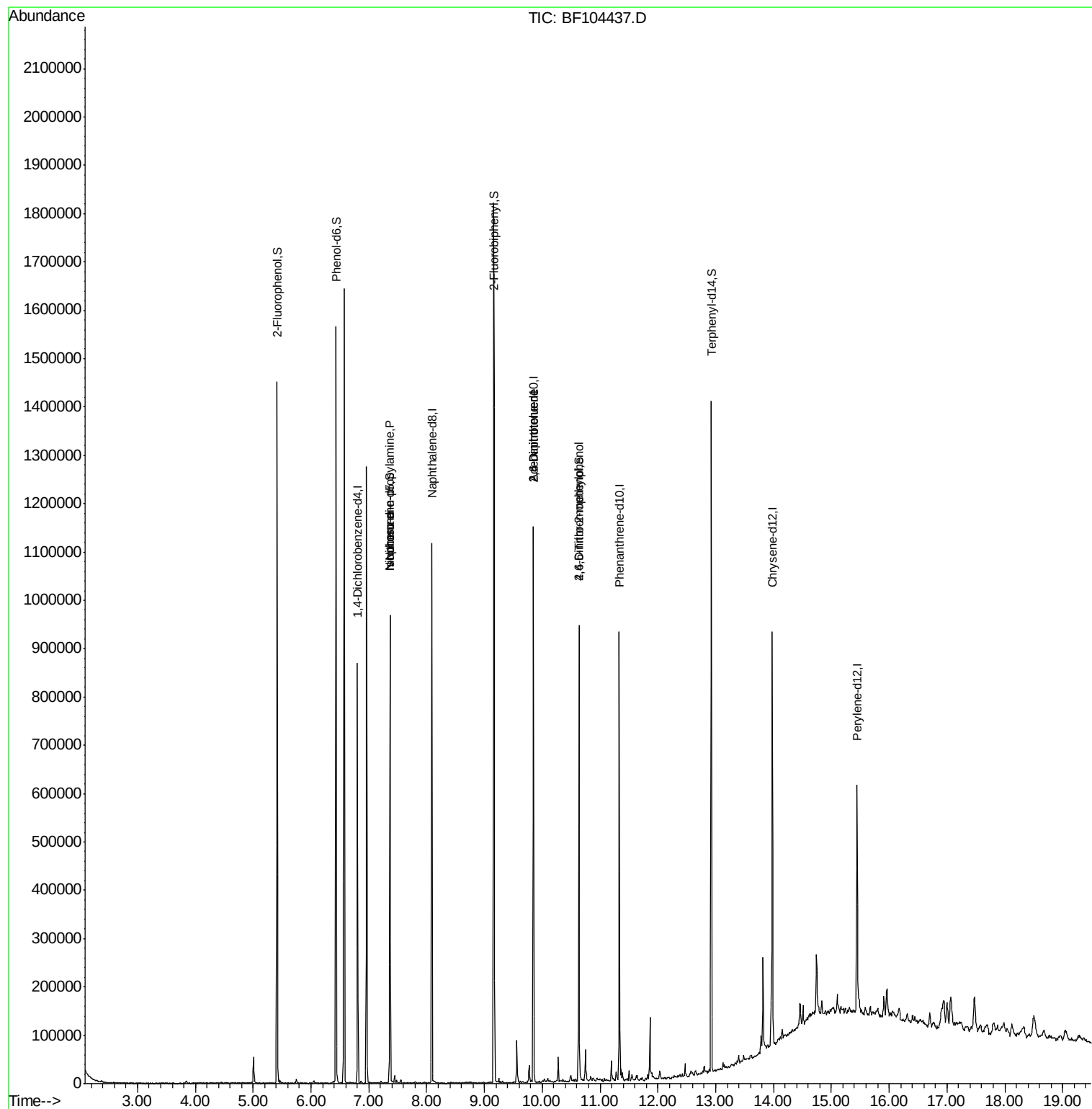
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129773	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	503423	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	202897	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	310426	20.00	ng	0.00
75) Chrysene-d12	13.98	240	263041	20.00	ng	0.00
86) Perylene-d12	15.44	264	210821	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	404971	47.72	ng	0.00
7) Phenol-d6	6.43	99	503420	48.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	285317	37.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	102582	48.74	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	550566	42.87	ng	0.00
78) Terphenyl-d14	12.92	244	430202	37.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	645	Below Cal		
19) n-Nitroso-di-n-propylamine	7.37	70	36923	5.419 ng	#	1
25) Isophorone	7.37	82	284843	17.472 ng	#	74
50) 2,6-Dinitrotoluene	9.85	165	25897	8.747 ng	#	64
56) 2,4-Dinitrotoluene	9.85	165	25897	6.668 ng	#	25
64) 4,6-Dinitro-2-methylphenol	10.63	198	126	7.418 ng	#	23
76) Benzydine	12.92	184	5591	Below Cal	#	1
						96

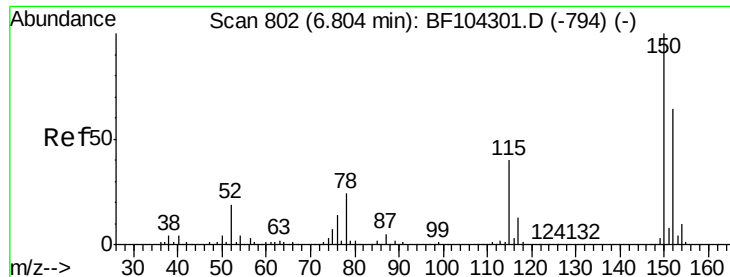
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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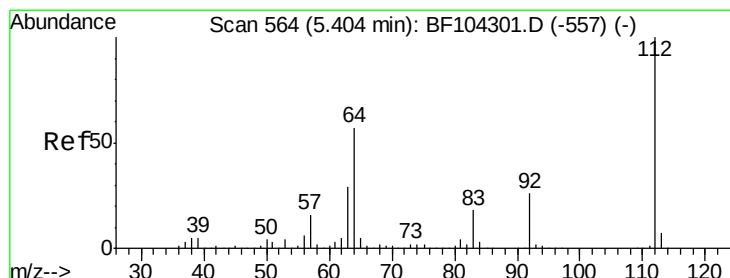
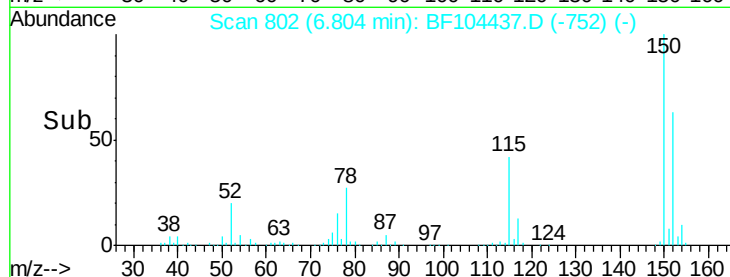
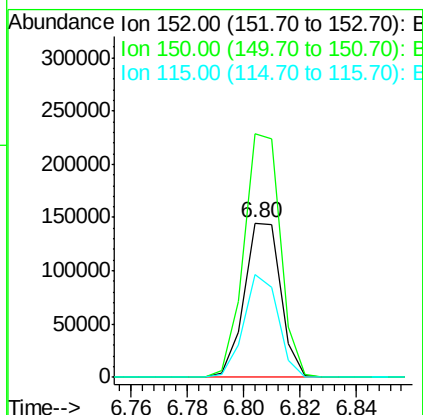
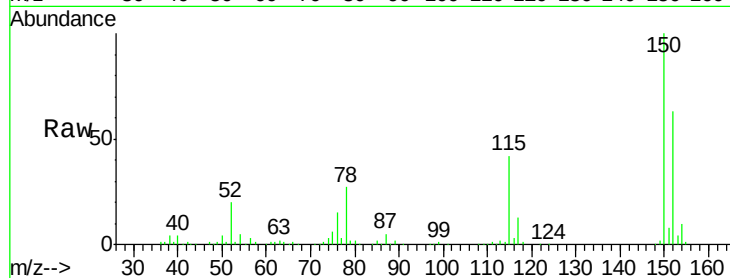


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :

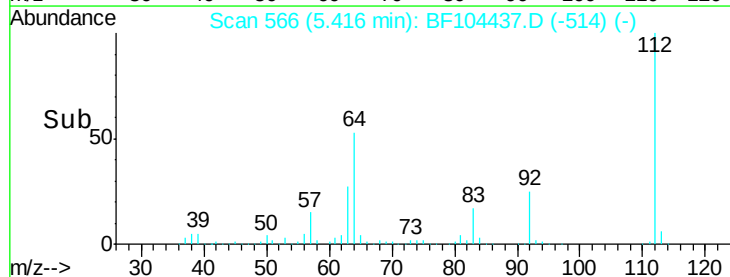
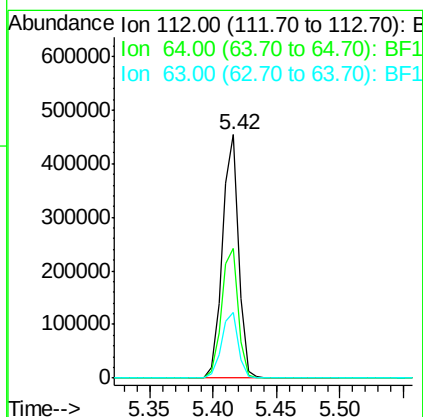
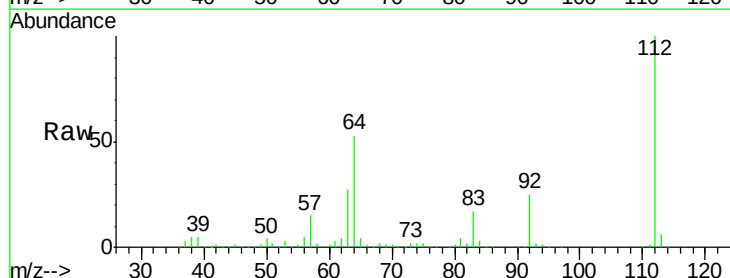
Tot Ion:152 Resp: 129773
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 66.7 50.1 75.1

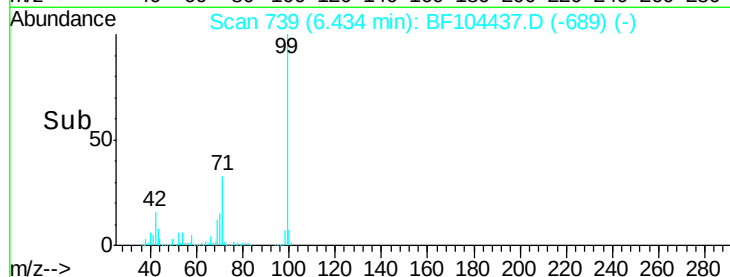
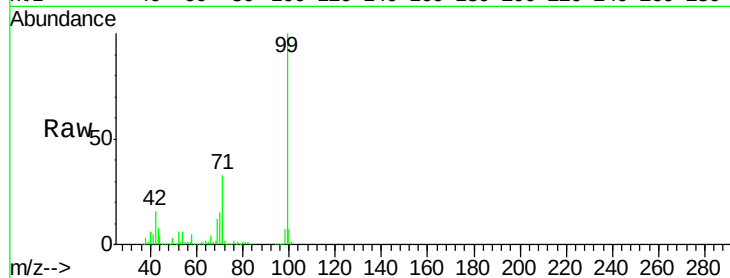
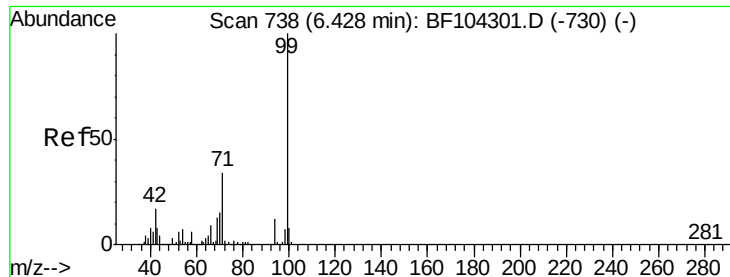


#5

2-Fluorophenol
 Concen: 47.716 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

Tgt Ion:112 Resp: 404971
 Ion Ratio Lower Upper
 112 100
 64 53.4 47.9 71.9
 63 26.9 23.7 35.5





#7

Phenol-d6

Concen: 48.276 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

Instrument :

BNA_F

ClientSampleId :

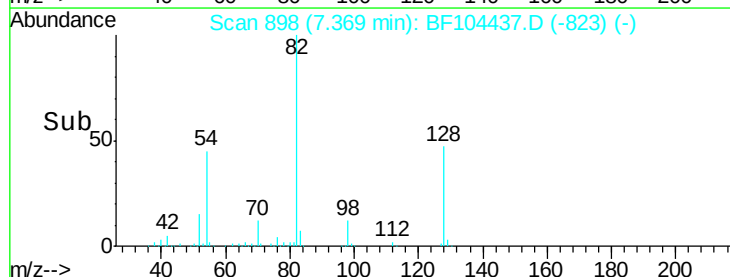
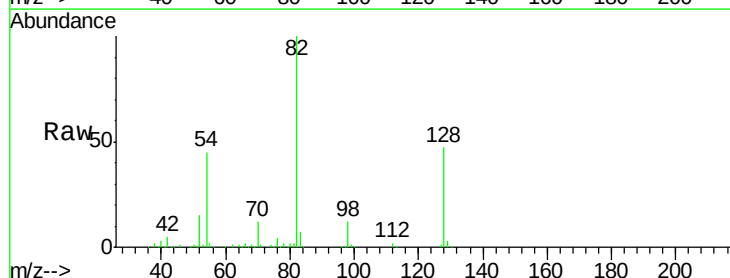
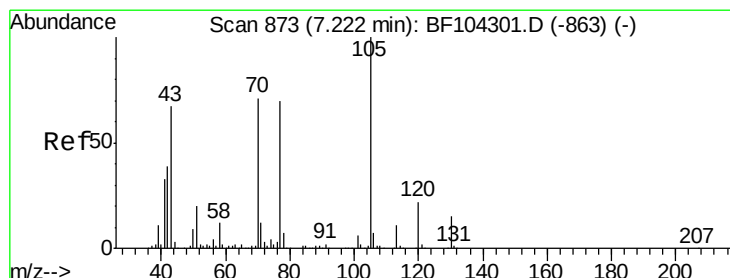
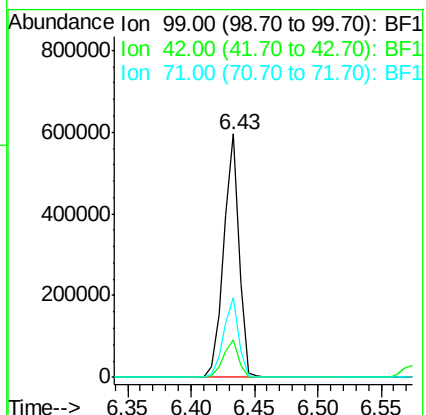
Tot Ion: 99 Resp: 503420

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.419 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

Tgt Ion: 70 Resp: 36923

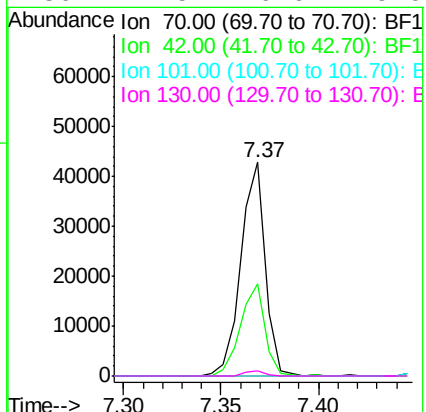
Ion Ratio Lower Upper

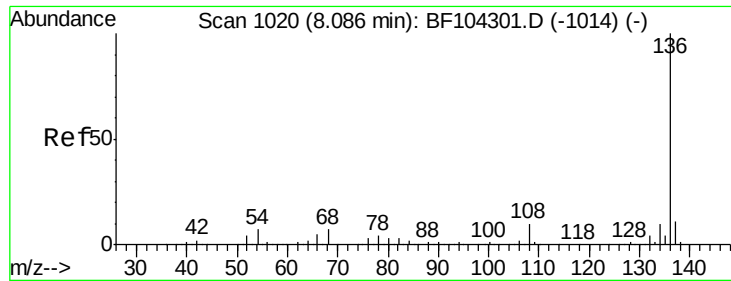
70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

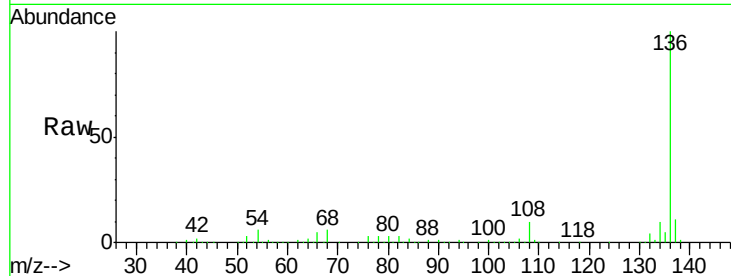




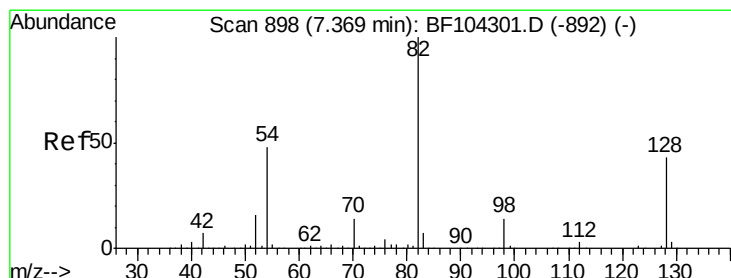
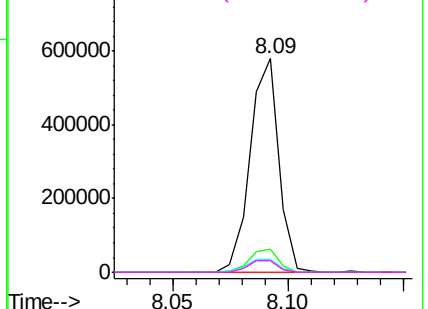
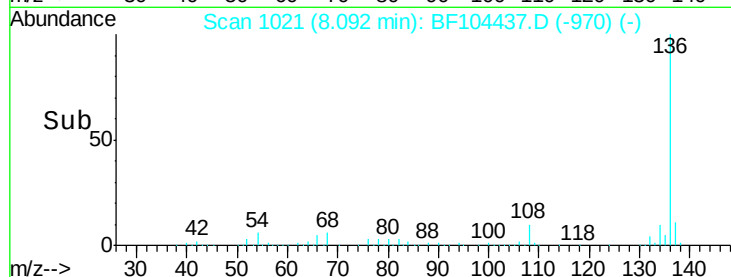
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	503423
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.2	6.6 9.8#
68	5.5	5.0 7.4

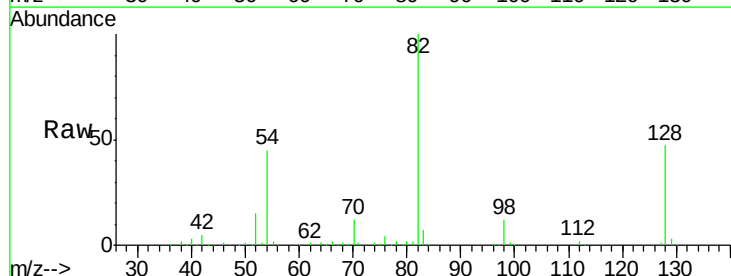


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

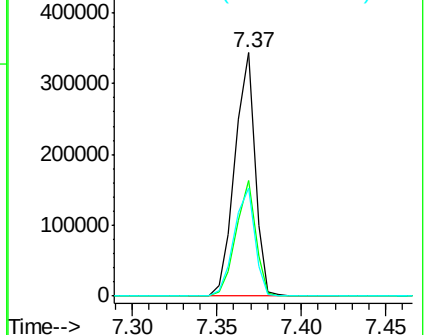
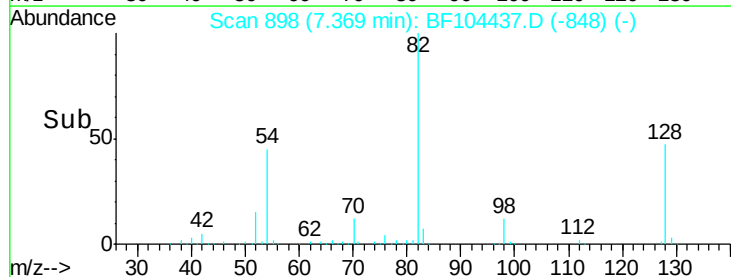


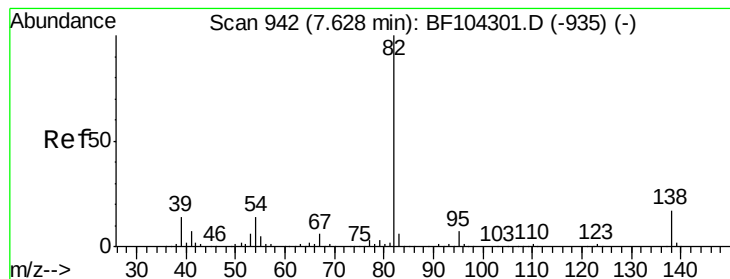
#23
Nitrobenzene-d5
Concen: 37.008 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Tgt Ion: 82	Resp:	285317
Ion Ratio	Lower	Upper
82	100	
128	47.3	36.1 54.1
54	44.5	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: 17.472 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

Instrument :

BNA_F

ClientSampled :

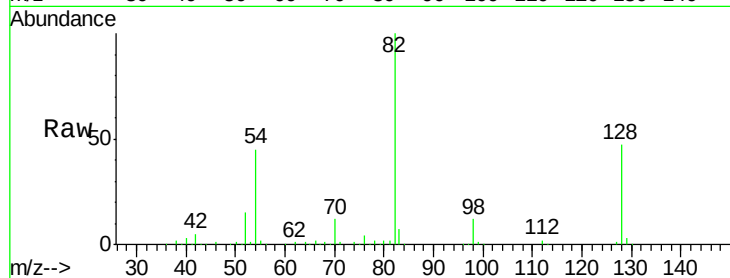
Tot Ion: 82 Resp: 284843

Ion Ratio Lower Upper

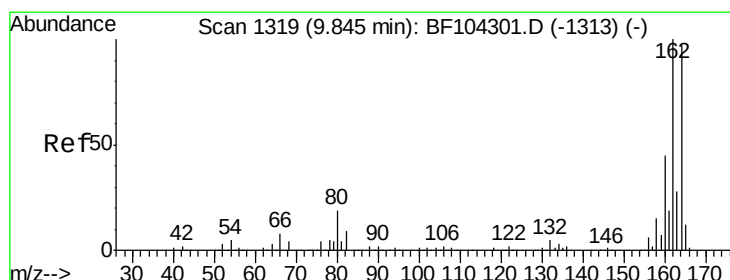
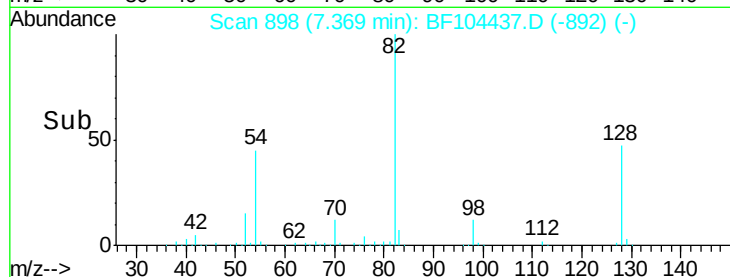
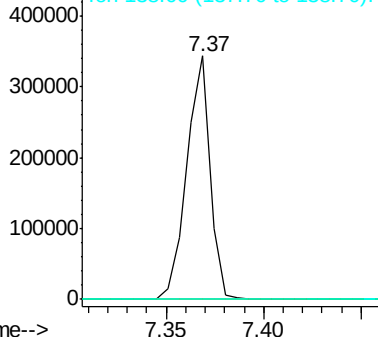
82 100

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. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

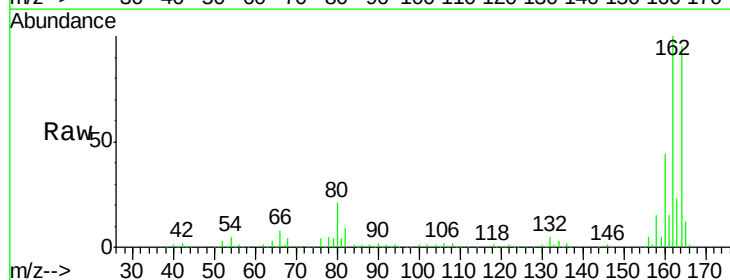
Tgt Ion:164 Resp: 202897

Ion Ratio Lower Upper

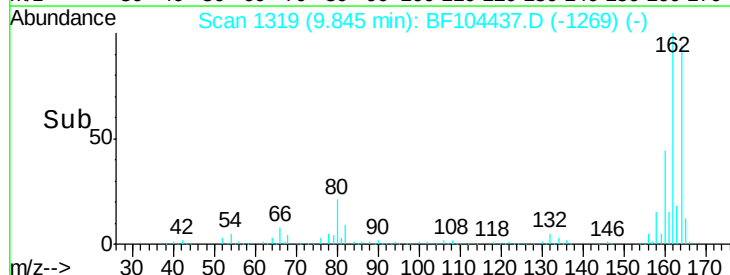
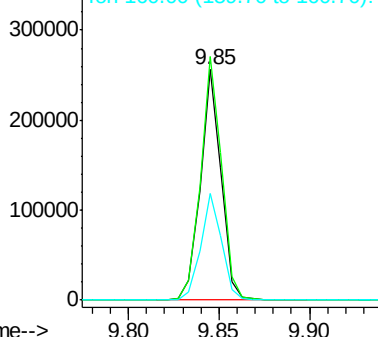
164 100

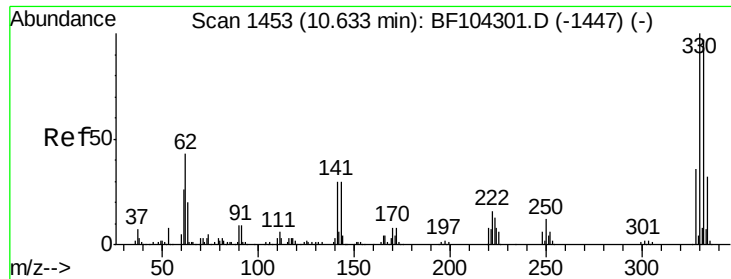
162 105.5 86.1 129.1

160 46.3 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: 48.739 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

Instrument :

BNA_F

ClientSampleId :

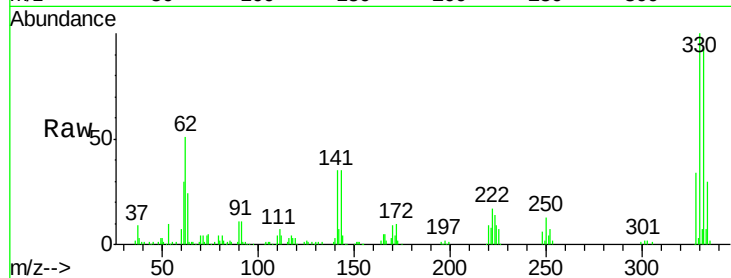
Tot Ion:330 Resp: 102582

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

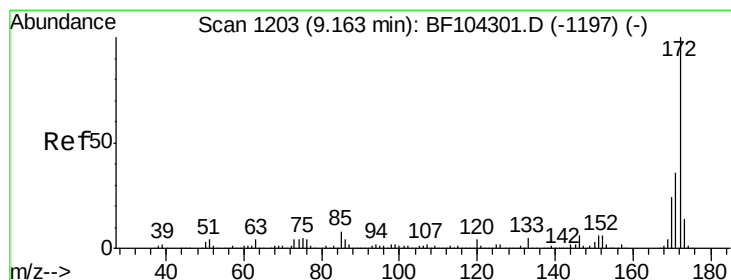
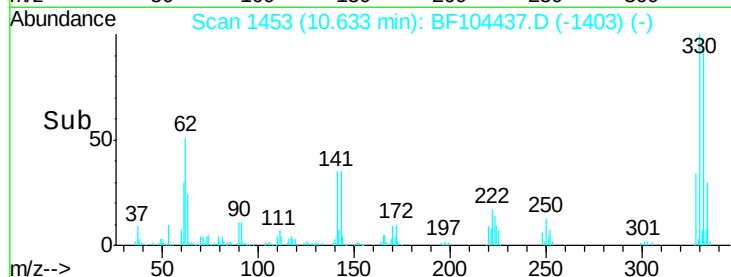
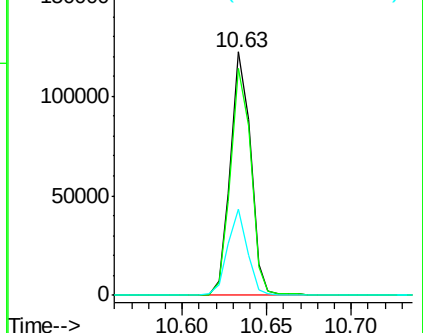
141 34.0 29.9 44.9



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: 42.867 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

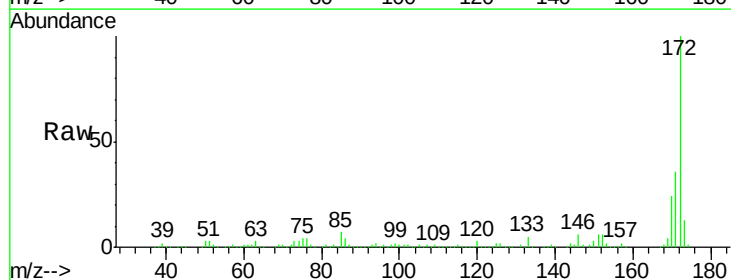
Tgt Ion:172 Resp: 550566

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

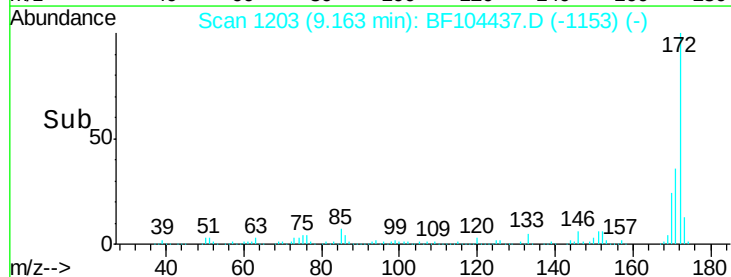
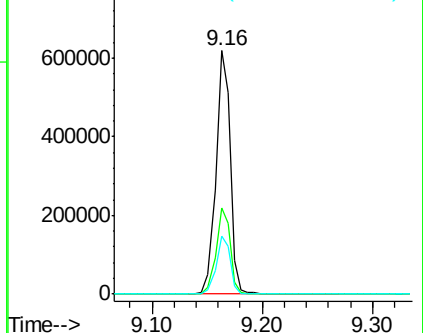
170 24.1 19.6 29.4

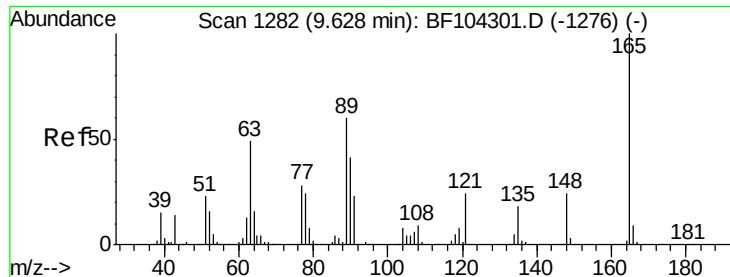


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

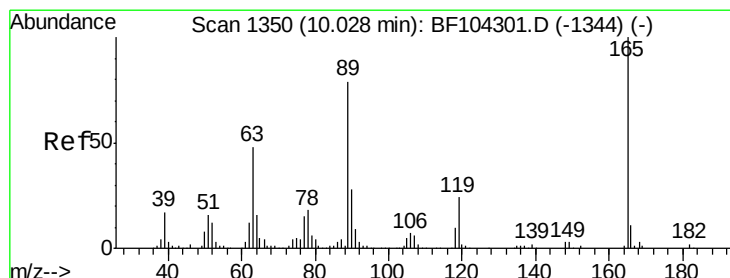
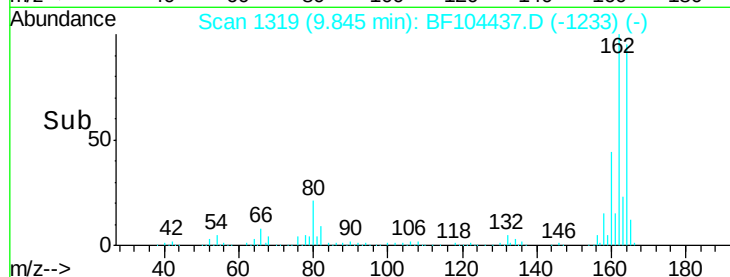
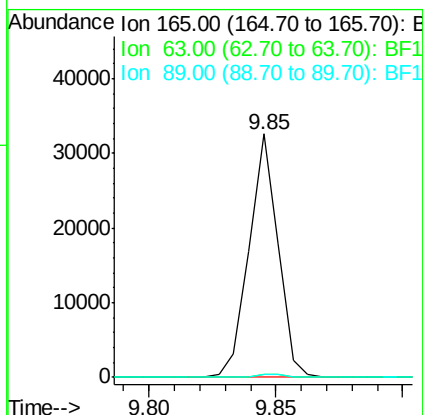
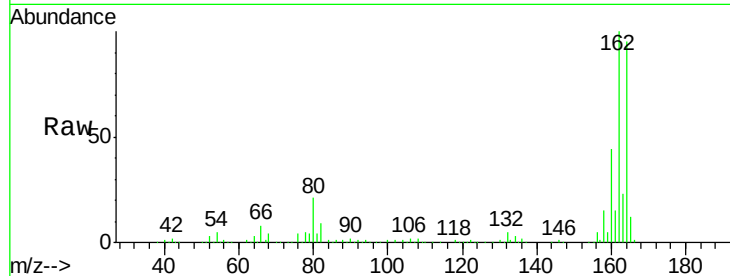




#50
 2,6-Dinitrotoluene
 Concen: 8.747 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

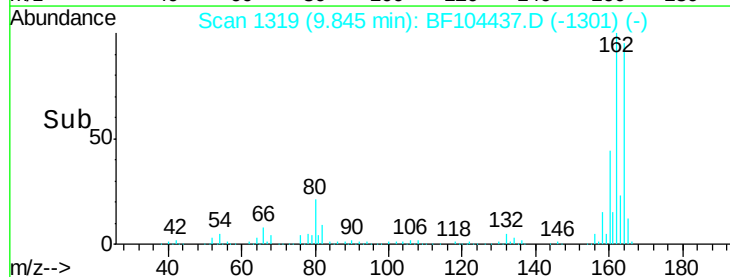
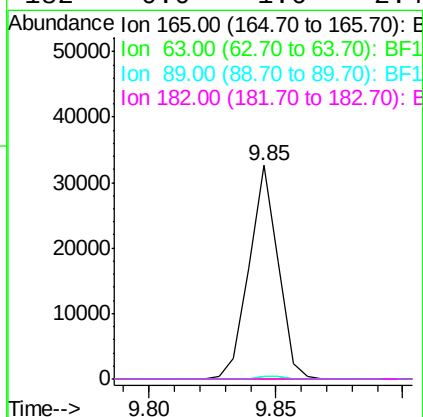
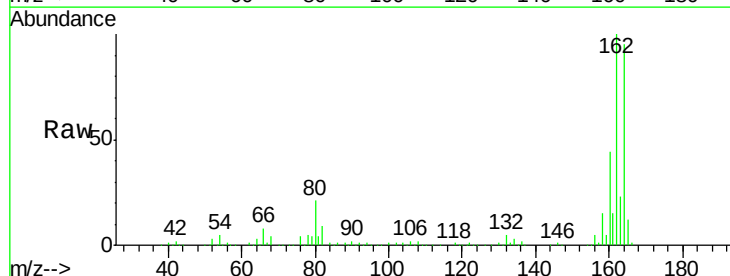
Instrument :
 BNA_F
 ClientSampleId :

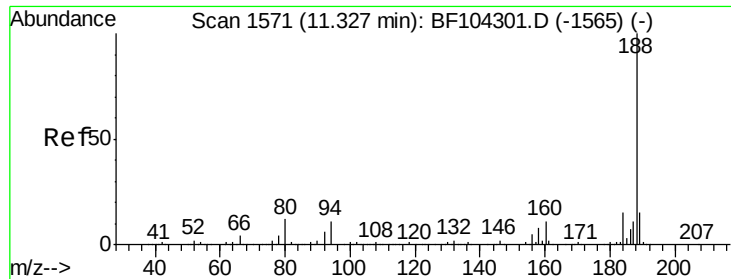
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

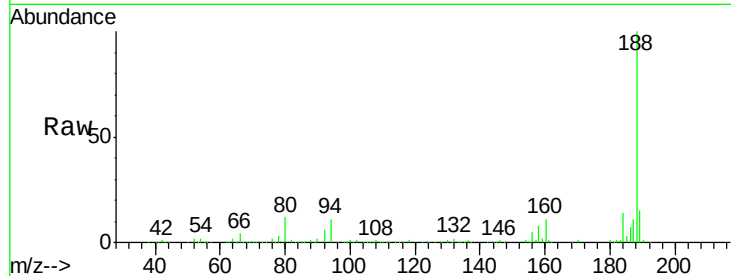




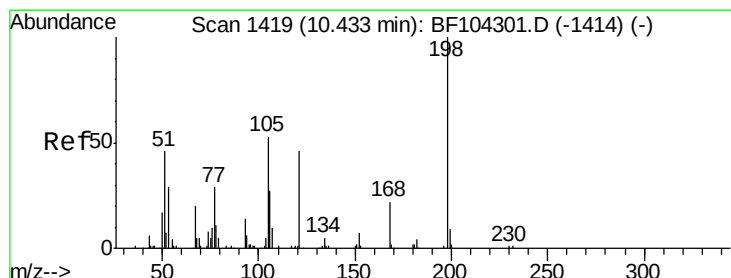
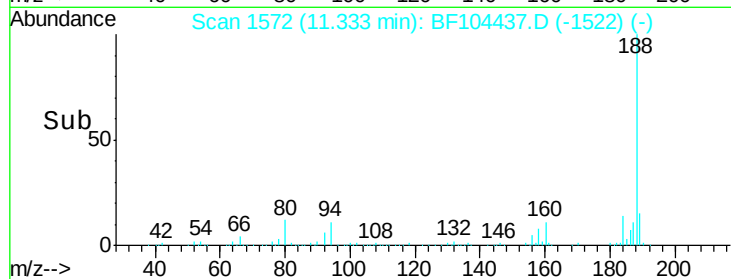
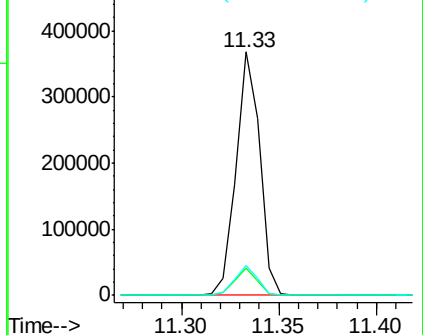
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 310426
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 12.2 9.2 13.8

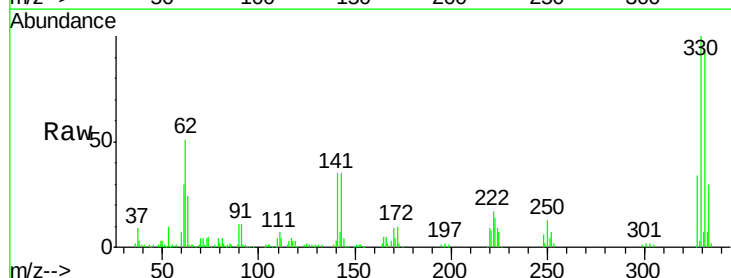


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

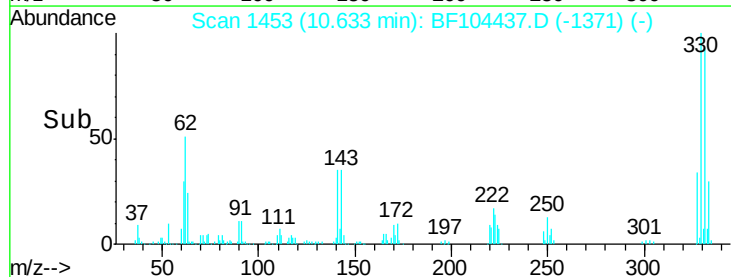
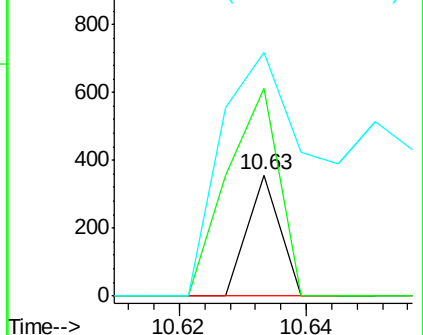


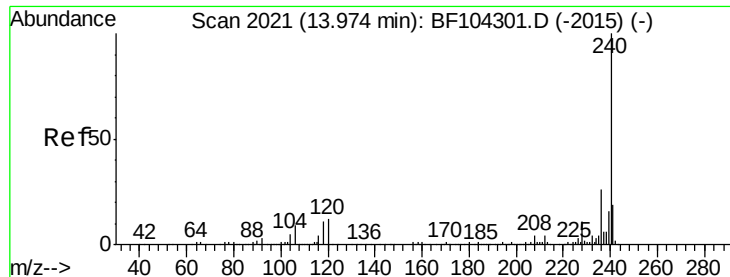
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.418 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104437.D
 Acq: 11 Apr 2018 14:49

Tgt Ion:198 Resp: 126
 Ion Ratio Lower Upper
 198 100
 51 171.4 37.7 77.7#
 105 201.1 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

Instrument :

BNA_F

ClientSampleId :

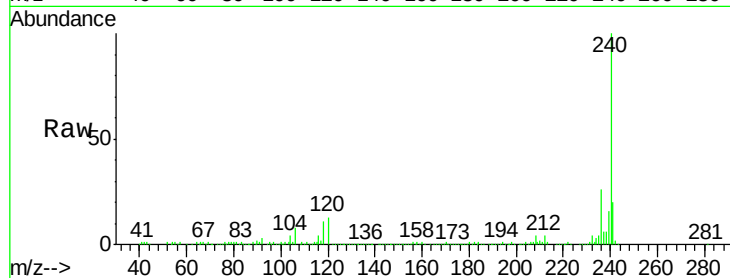
Tot Ion:240 Resp: 263041

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

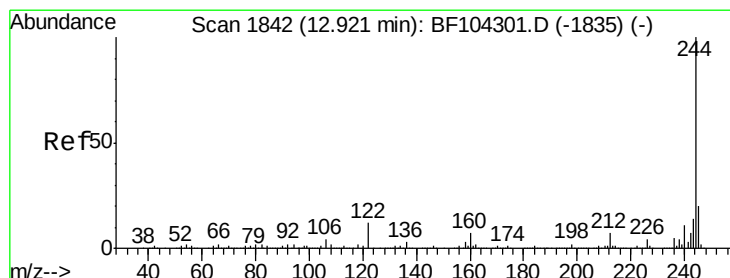
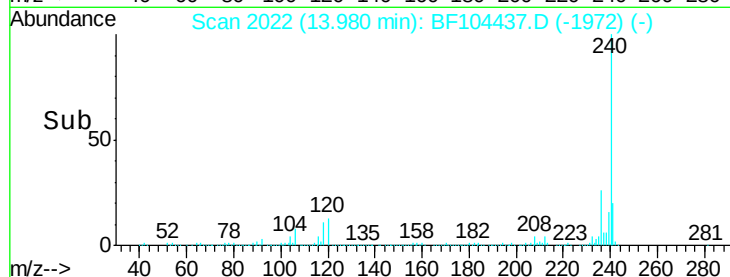
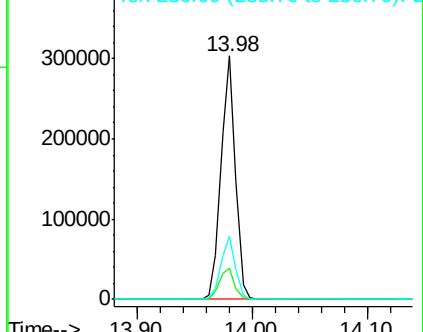
236 26.0 20.7 31.1



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: 37.286 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104437.D

Acq: 11 Apr 2018 14:49

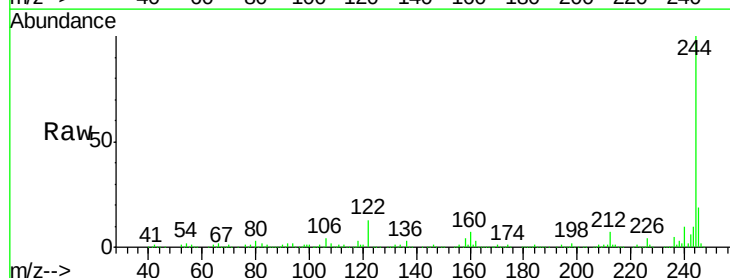
Tgt Ion:244 Resp: 430202

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

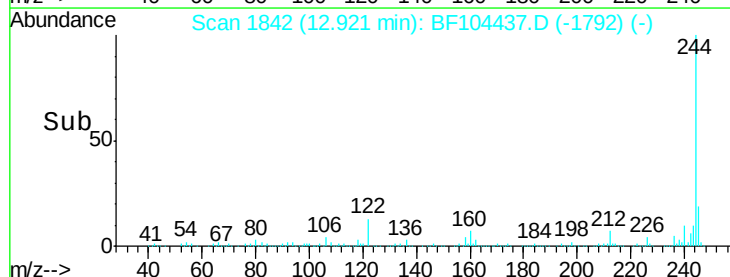
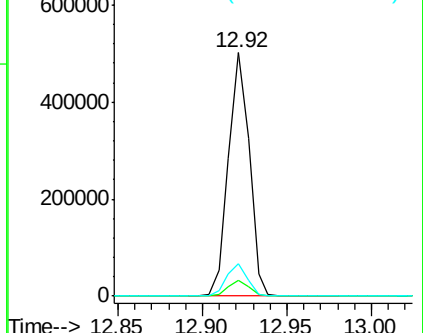
122 13.2 11.0 16.4

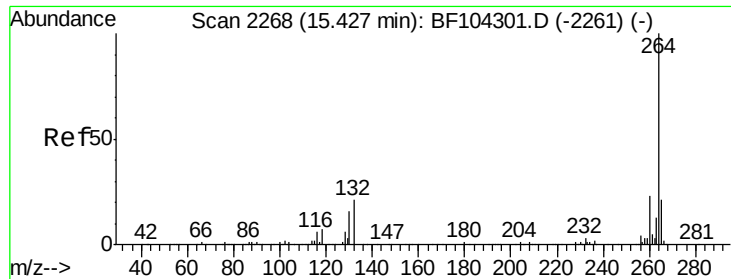


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104437.D
Acq: 11 Apr 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.1	17.5	26.3

