

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104448.D
 Acq On : 12 Apr 2018 14:01
 Operator : JU/SJ
 Sample : PB108173BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 17:08:07 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

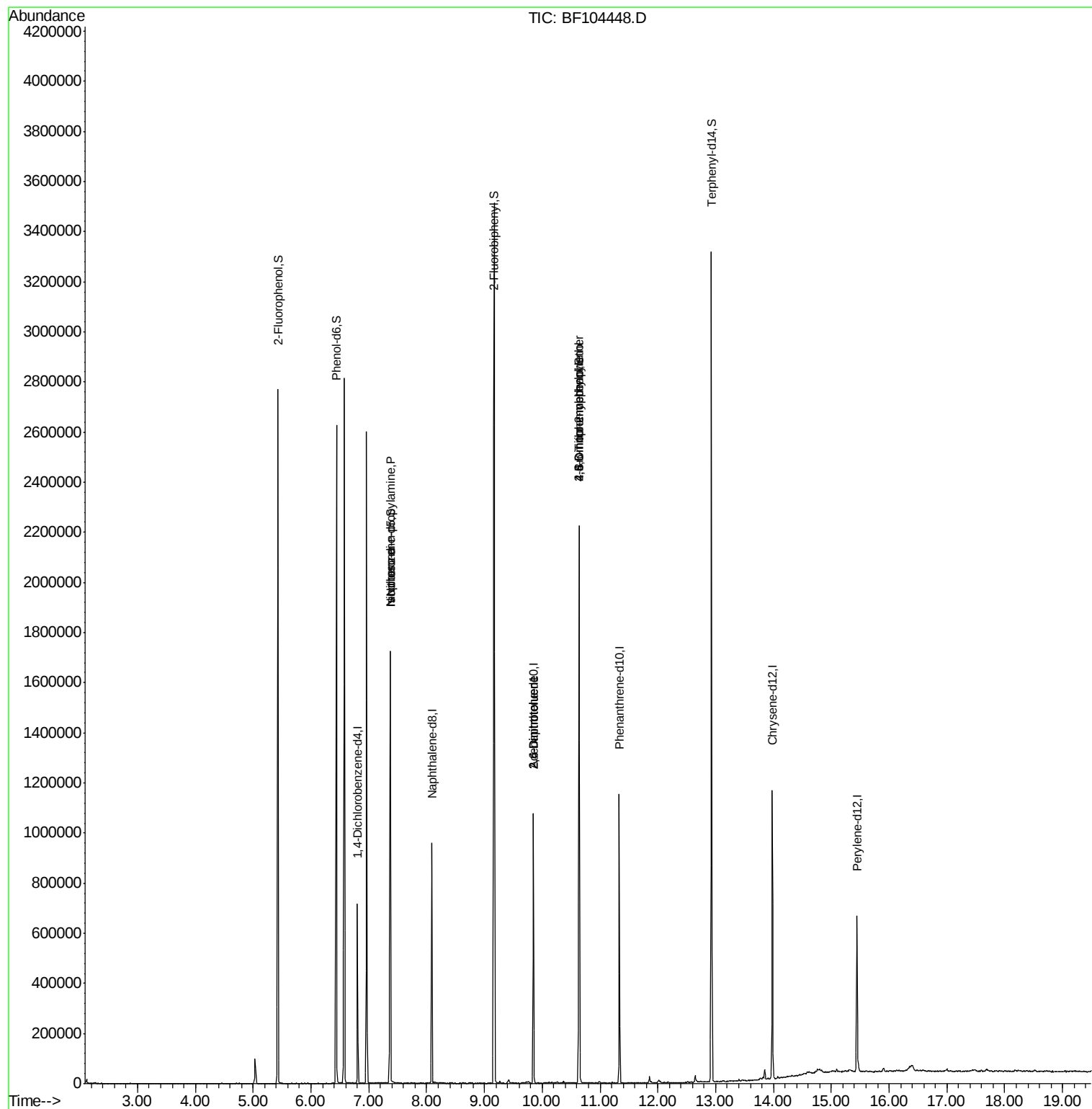
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	108916	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	459646	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	218748	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	424343	20.00	ng	0.00
75) Chrysene-d12	13.98	240	367086	20.00	ng	-0.01
86) Perylene-d12	15.44	264	270969	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	871032	122.28	ng	0.01
7) Phenol-d6	6.44	99	1057582	120.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	664027	94.33	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	298995	131.77	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1220216	88.12	ng	0.00
78) Terphenyl-d14	12.93	244	1306640	81.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	87119	15.233	ng	# 72
25) Isophorone	7.37	82	664022	44.609	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	27962	8.760	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	27962	6.678	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	573	7.582	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17785	3.940	ng	# 1
76) Benzidine	12.93	184	17465	Below Cal		97

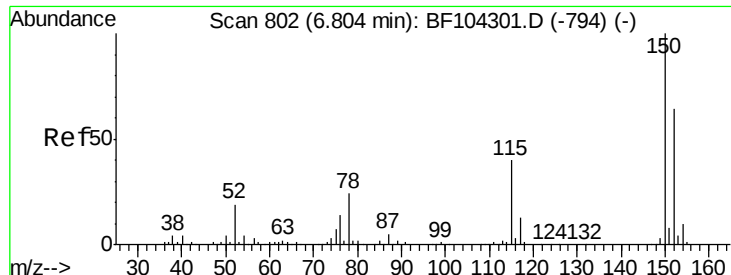
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104448.D
Acq On : 12 Apr 2018 14:01
Operator : JU/SJ
Sample : PB108173BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 12 17:08:07 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



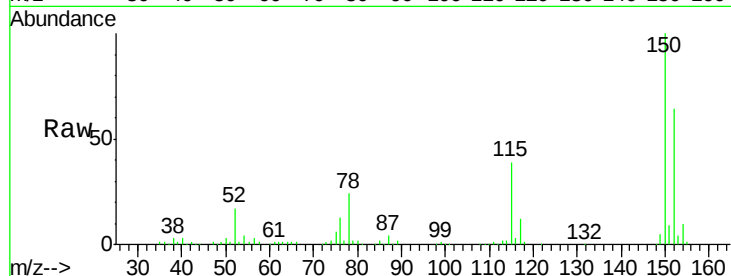


#1

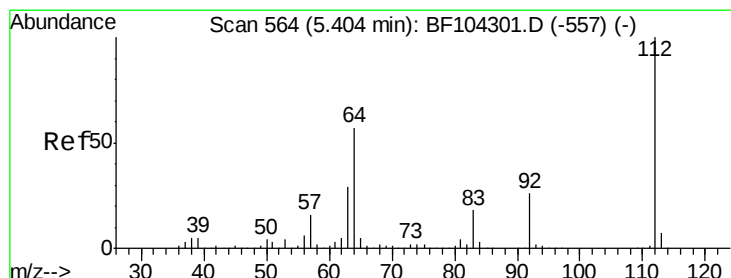
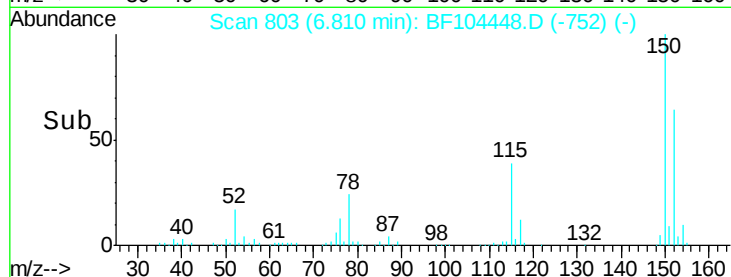
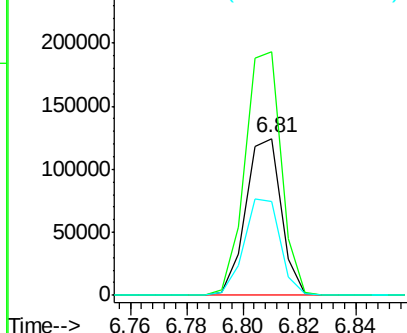
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104448.D
Acq: 12 Apr 2018 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108916
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.9 50.1 75.1



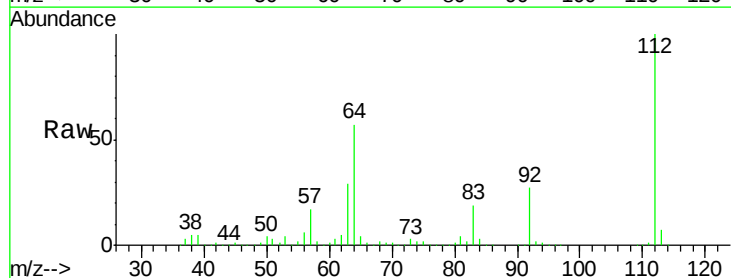
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



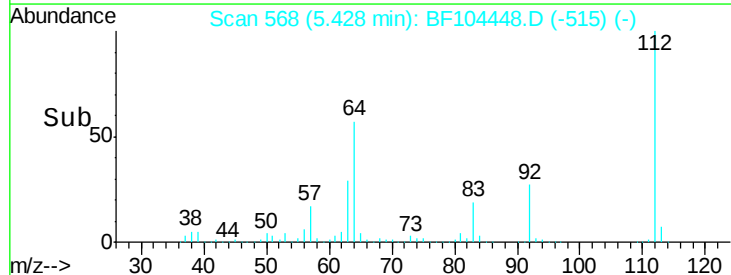
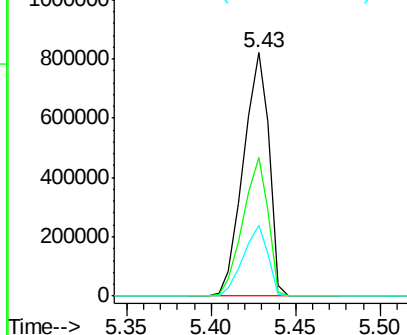
#5

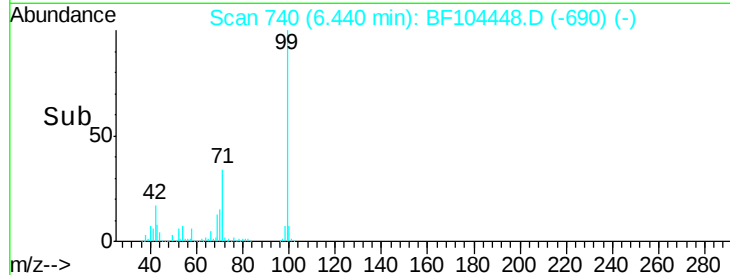
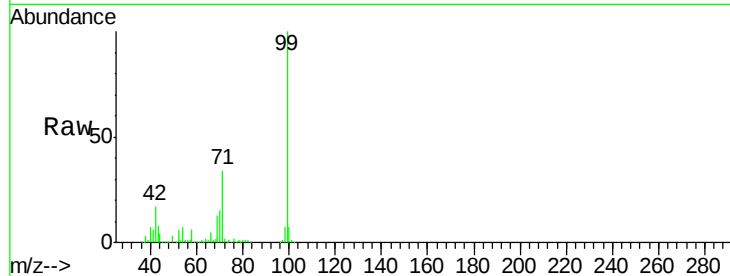
2-Fluorophenol
Concen: 122.283 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104448.D
Acq: 12 Apr 2018 14:01

Tgt Ion:112 Resp: 871032
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.0 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: 120.839 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104448.D

Acq: 12 Apr 2018 14:01

Instrument :

BNA_F

ClientSampleId :

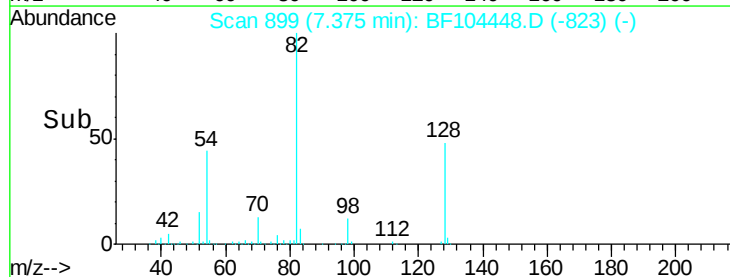
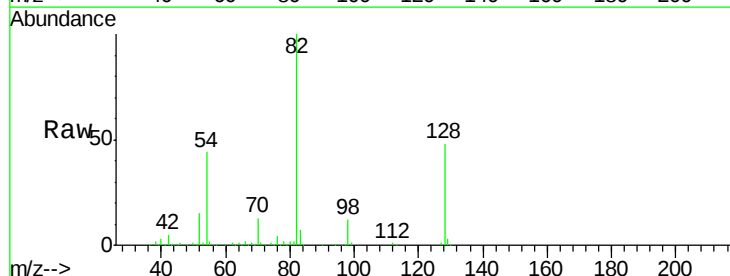
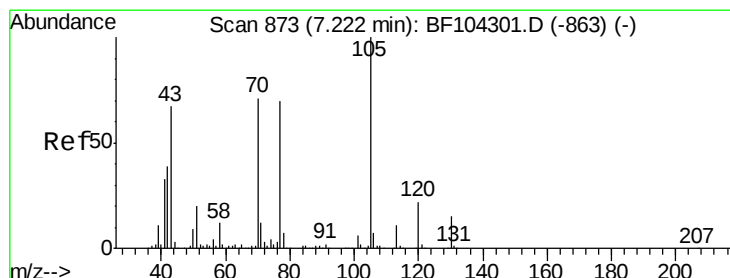
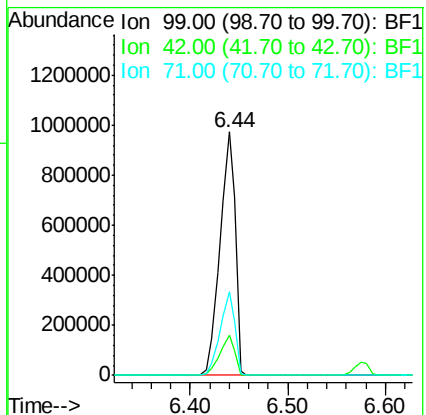
Tot Ion: 99 Resp: 1057582

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.233 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104448.D

Acq: 12 Apr 2018 14:01

Tgt Ion: 70 Resp: 87119

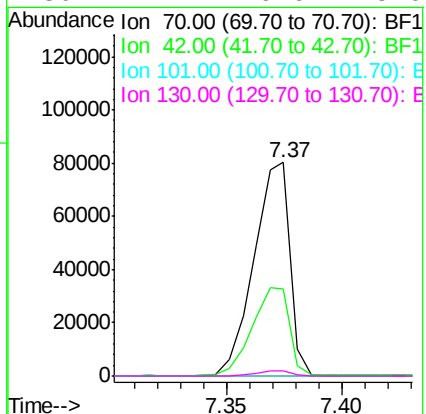
Ion Ratio Lower Upper

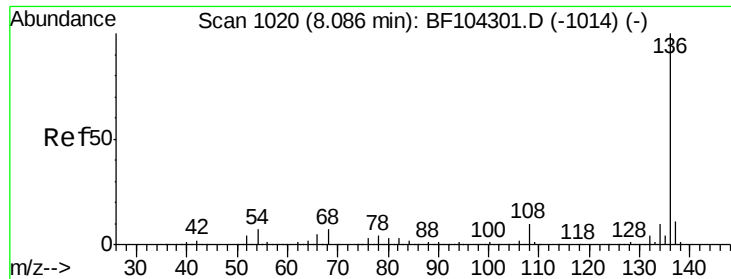
70 100

42 40.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 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: BF104448.D

Acq: 12 Apr 2018 14:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 459646

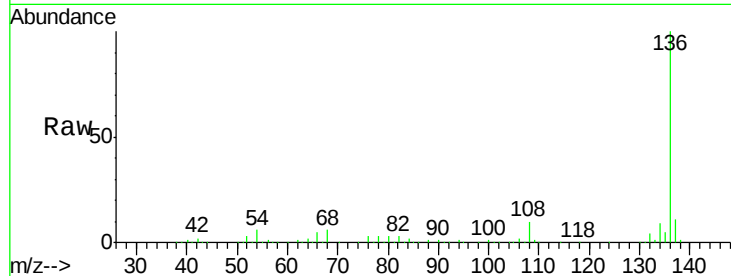
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

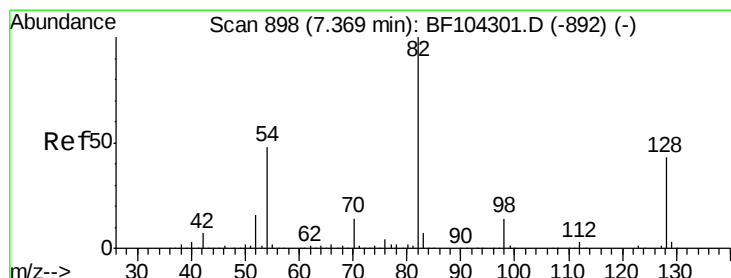
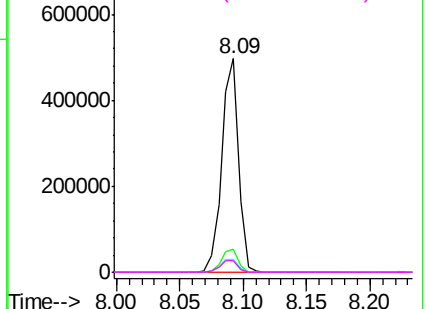
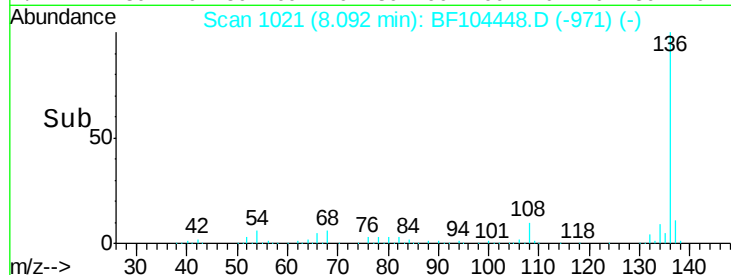


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.333 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104448.D

Acq: 12 Apr 2018 14:01

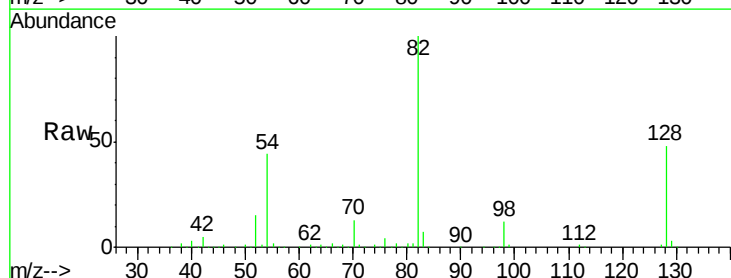
Tgt Ion: 82 Resp: 664027

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

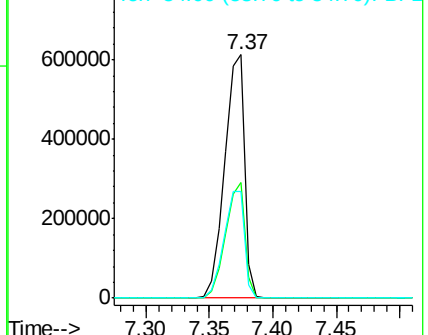
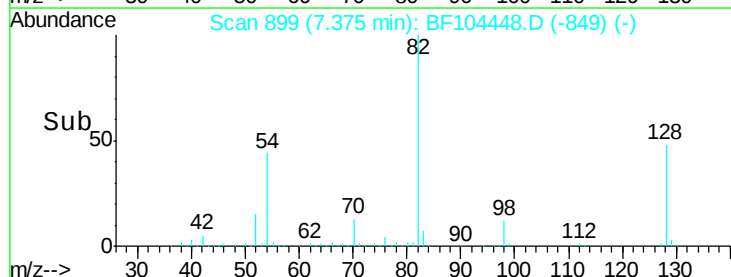
54 43.6 41.4 62.2

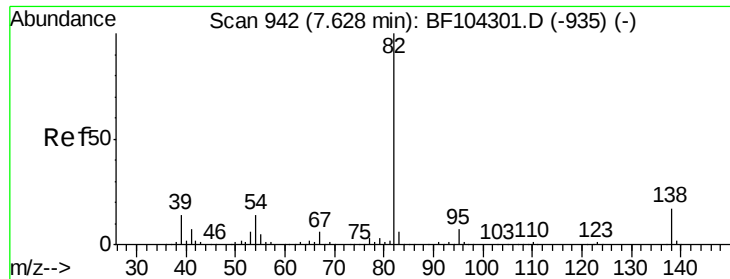


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.609 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104448.D

Acq: 12 Apr 2018 14:01

Instrument :

BNA_F

ClientSampleId :

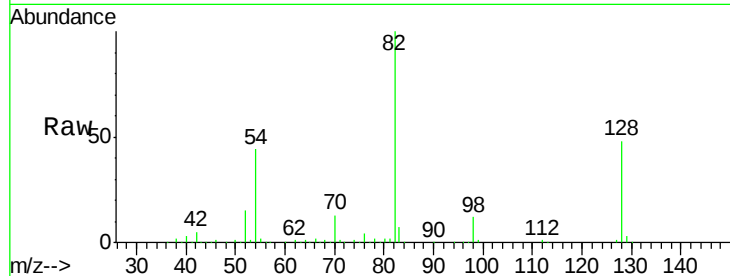
Tot Ion: 82 Resp: 664022

Ion Ratio Lower Upper

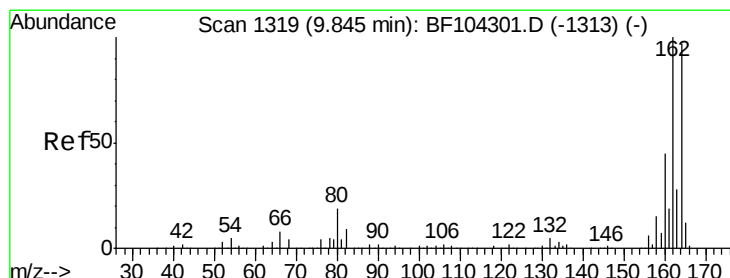
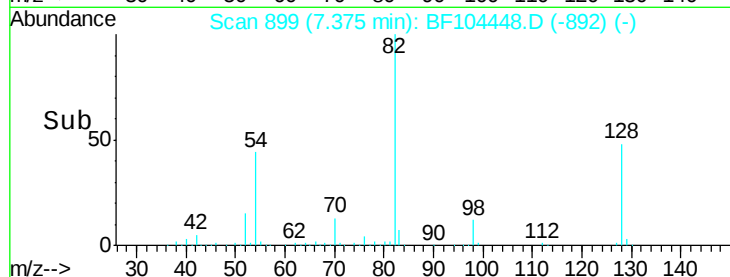
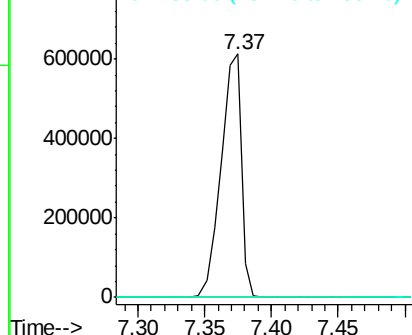
82 100

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: BF104448.D

Acq: 12 Apr 2018 14:01

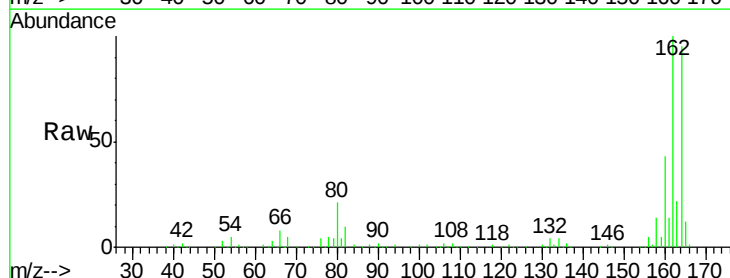
Tgt Ion: 164 Resp: 218748

Ion Ratio Lower Upper

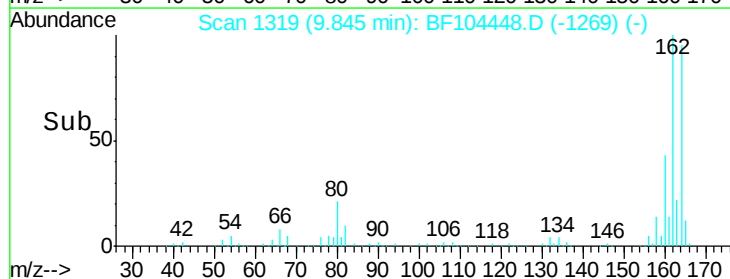
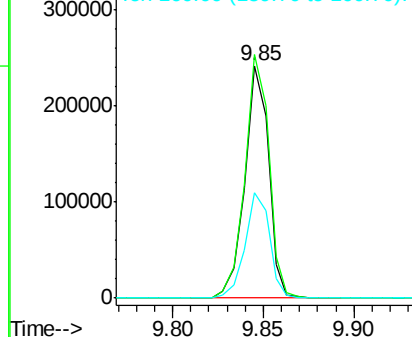
164 100

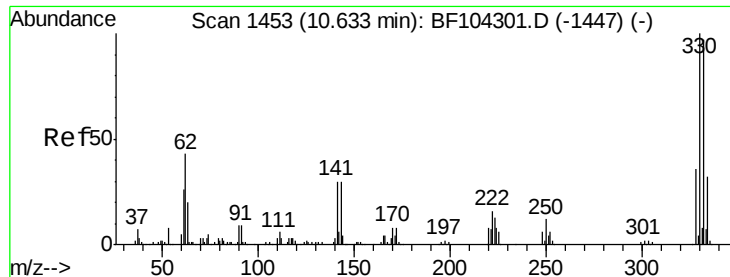
162 104.8 86.1 129.1

160 45.4 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

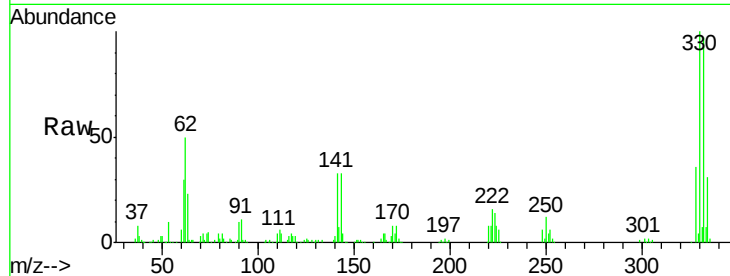




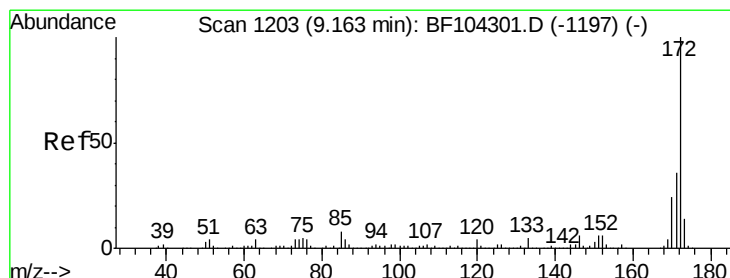
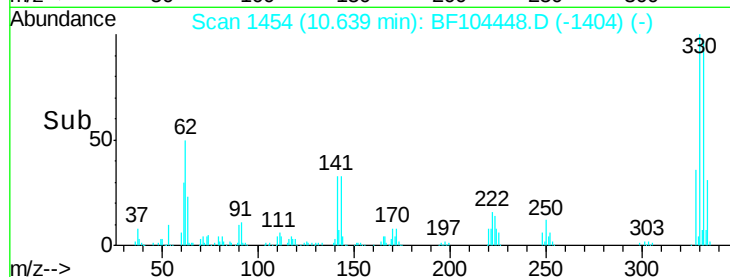
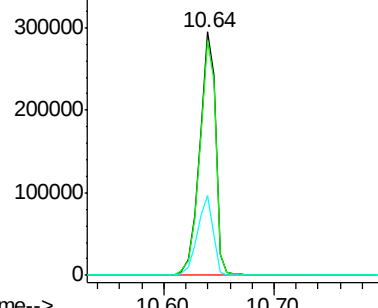
#41
 2,4,6-Tribromophenol
 Concen: 131.766 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	32.6	29.9	44.9

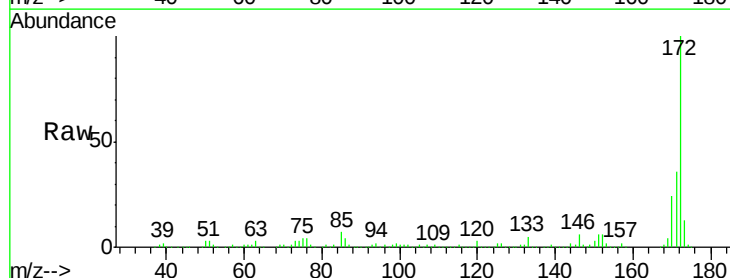


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

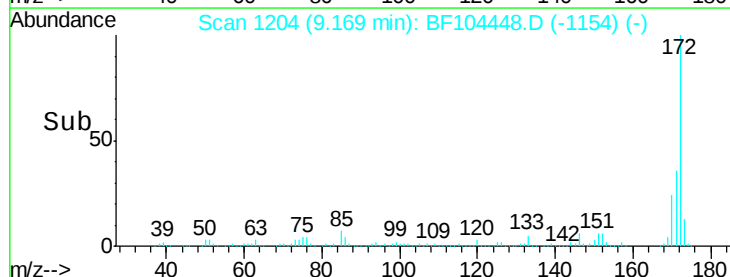
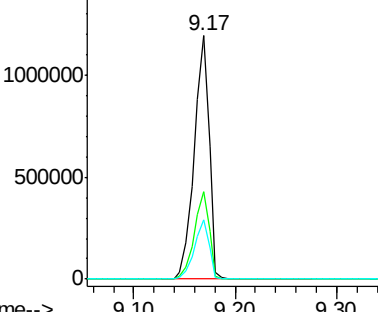


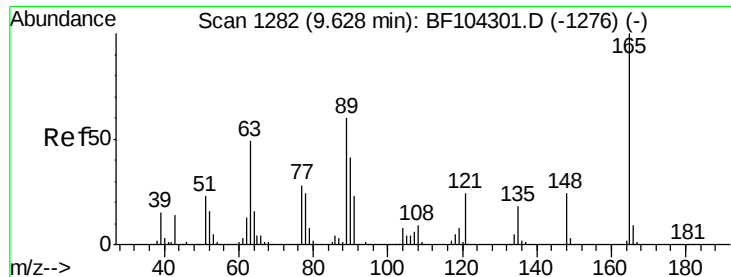
#44
 2-Fluorobiphenyl
 Concen: 88.121 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

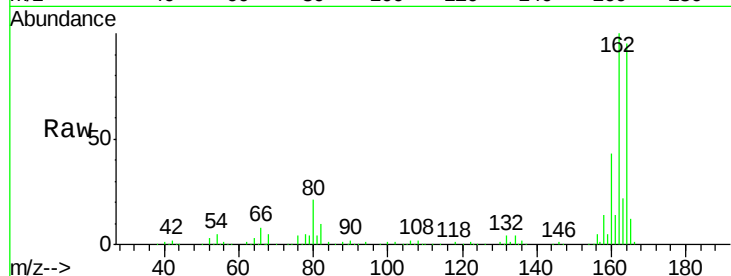




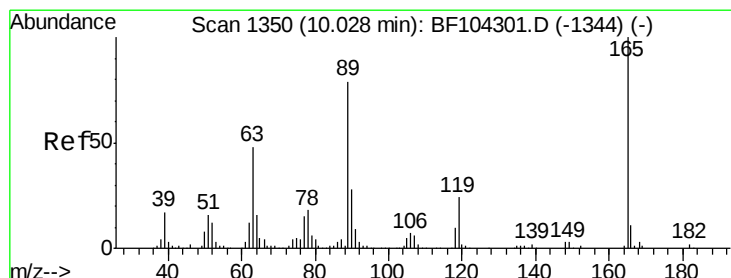
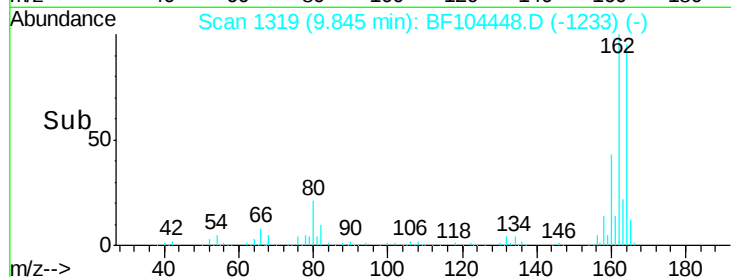
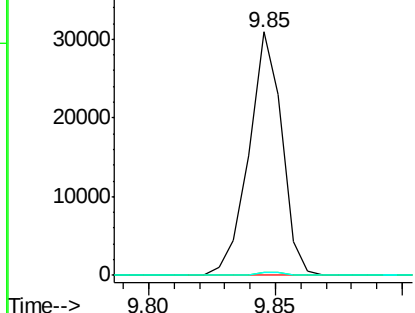
#50
2,6-Dinitrotoluene
Concen: 8.760 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104448.D
Acq: 12 Apr 2018 14:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.4	44.0	66.0#

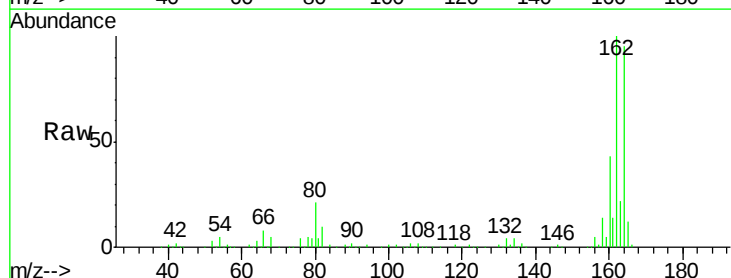


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

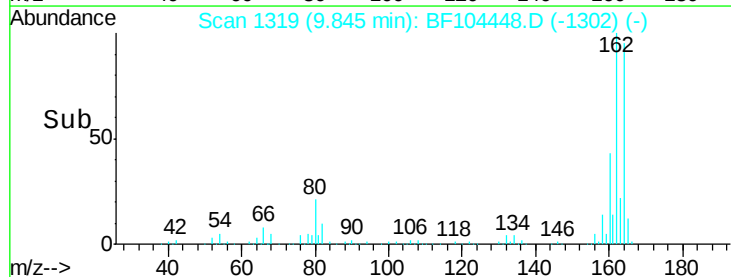
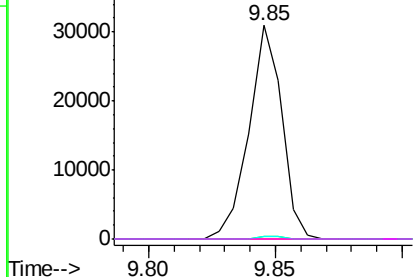


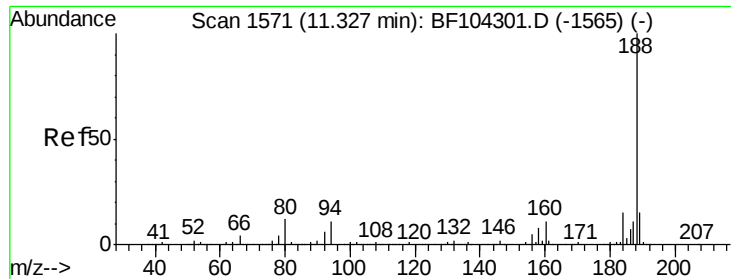
#56
2,4-Dinitrotoluene
Concen: 6.678 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF104448.D
Acq: 12 Apr 2018 14:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	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

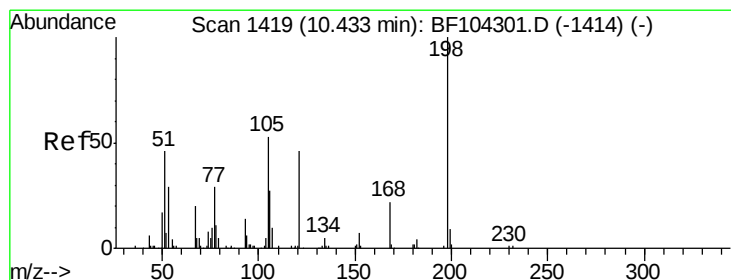
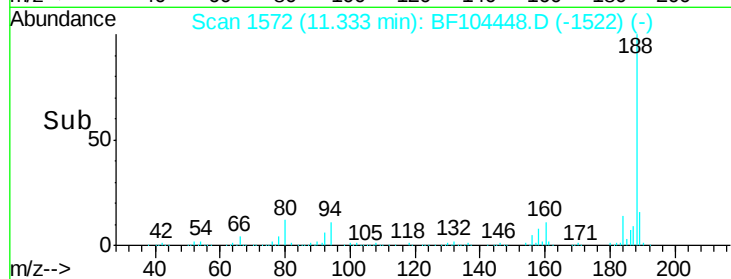
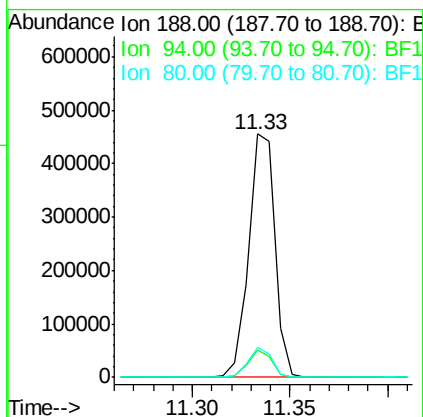
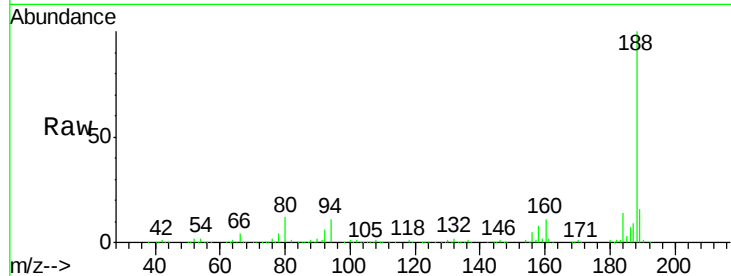




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

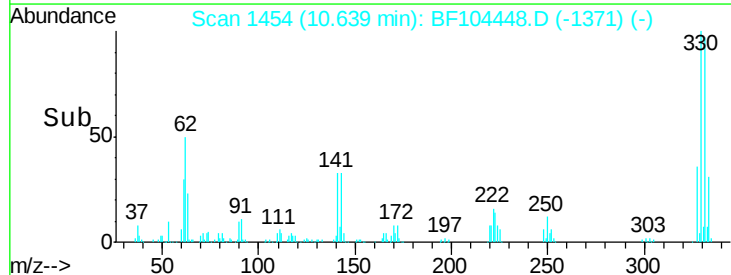
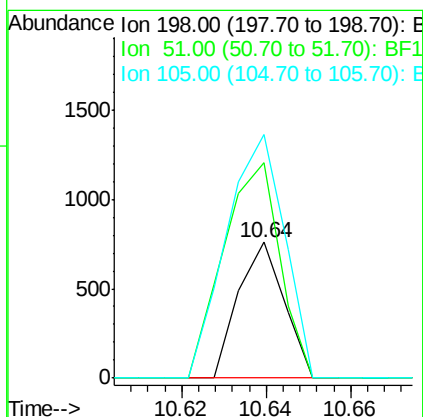
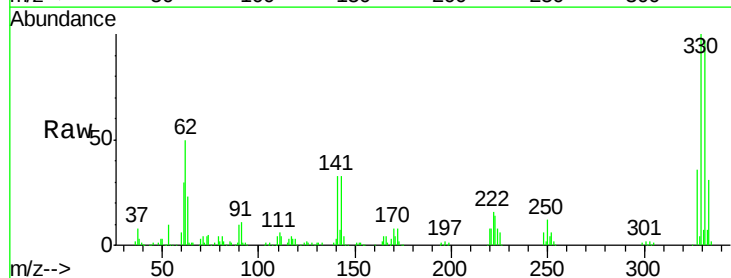
Instrument :
 BNA_F
 ClientSampleId :

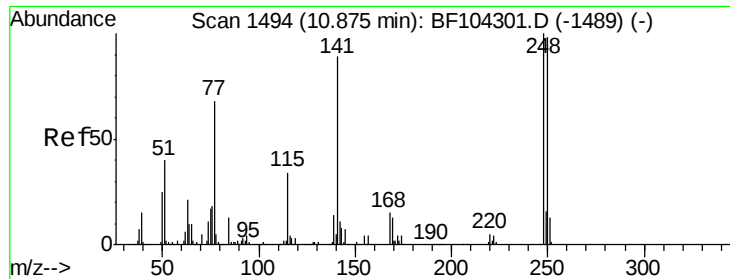
Tot Ion:188 Resp: 424343
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.582 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Tgt Ion:198 Resp: 573
 Ion Ratio Lower Upper
 198 100
 51 158.2 37.7 77.7#
 105 179.1 36.3 76.3#

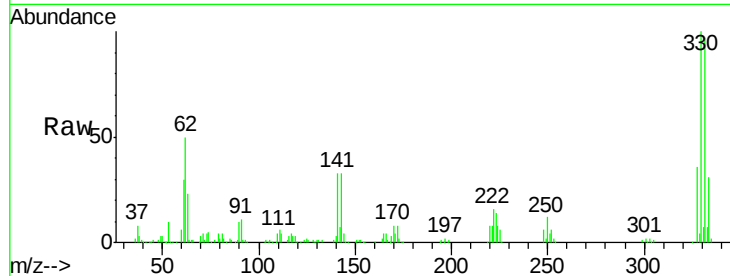




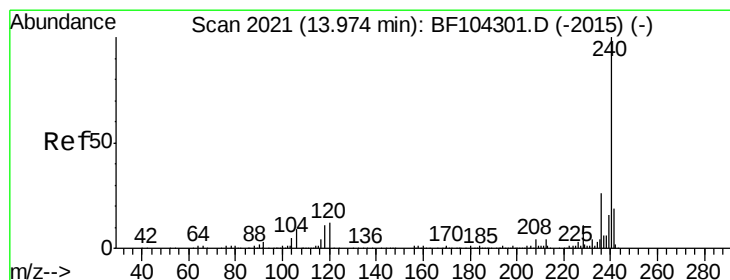
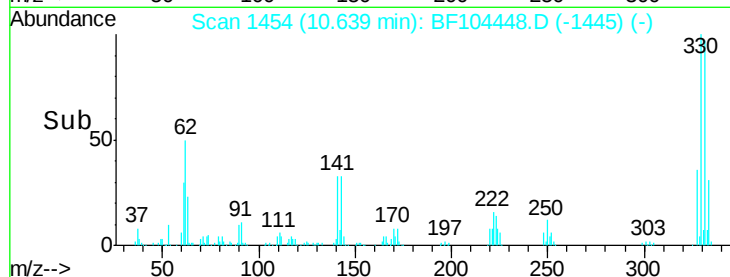
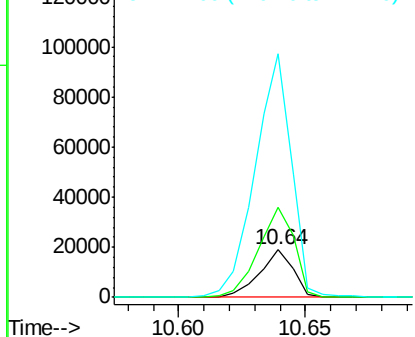
#66
 4-Bromophenyl-phenylether
 Concen: 3.940 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17785
 Ion Ratio Lower Upper
 248 100
 250 189.5 76.9 115.3#
 141 512.1 74.4 111.6#

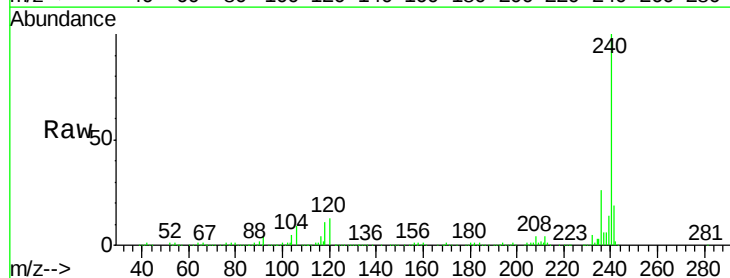


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

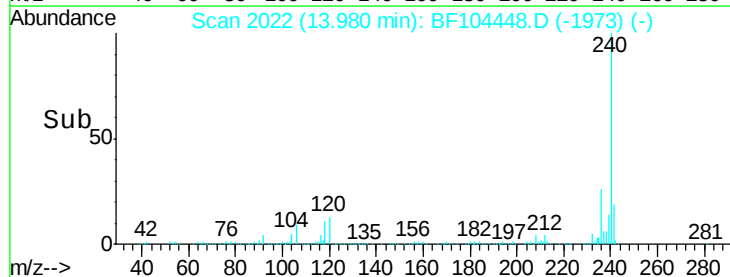
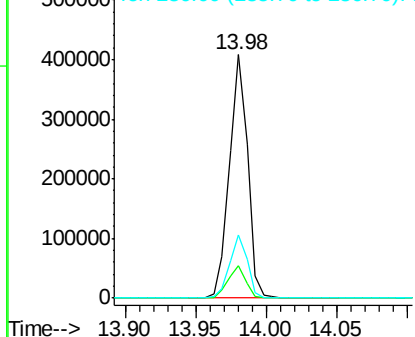


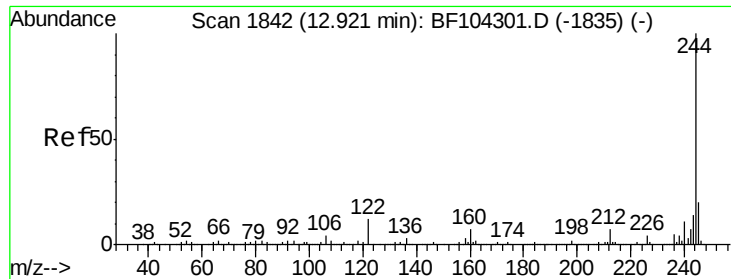
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Tgt Ion:240 Resp: 367086
 Ion Ratio Lower Upper
 240 100
 120 13.1 9.5 14.3
 236 26.2 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

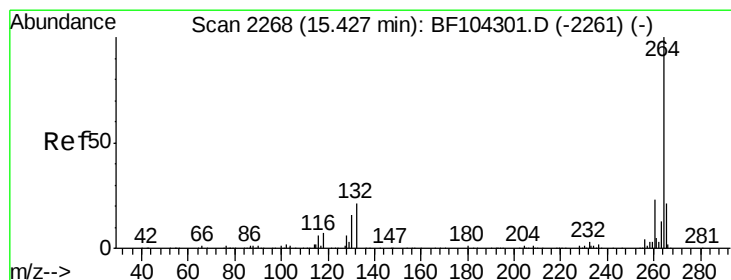
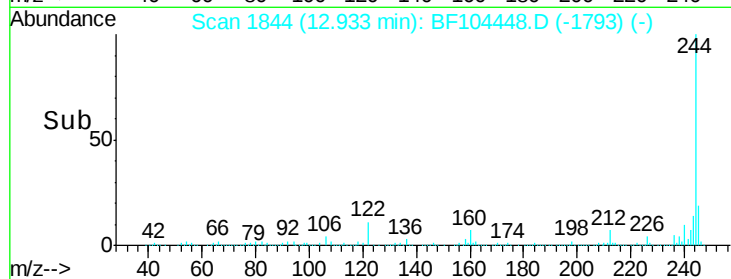
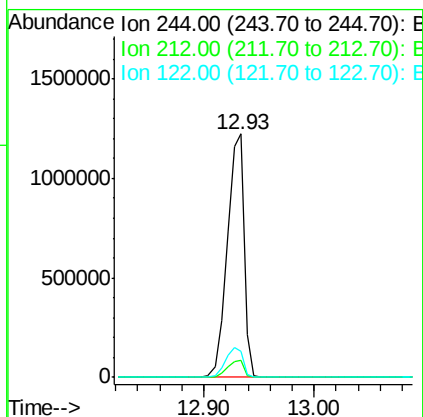
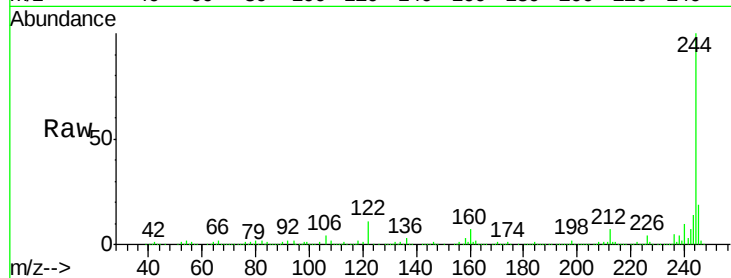




#78
 Terphenyl-d14
 Concen: 81.150 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1306640
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.7 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104448.D
 Acq: 12 Apr 2018 14:01

Tgt Ion:264 Resp: 270969
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.3 17.5 26.3

