

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101536.D
 Acq On : 19 Dec 2017 21:30
 Operator : SJ/JU
 Sample : I6975-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Quant Time: Dec 20 07:00:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

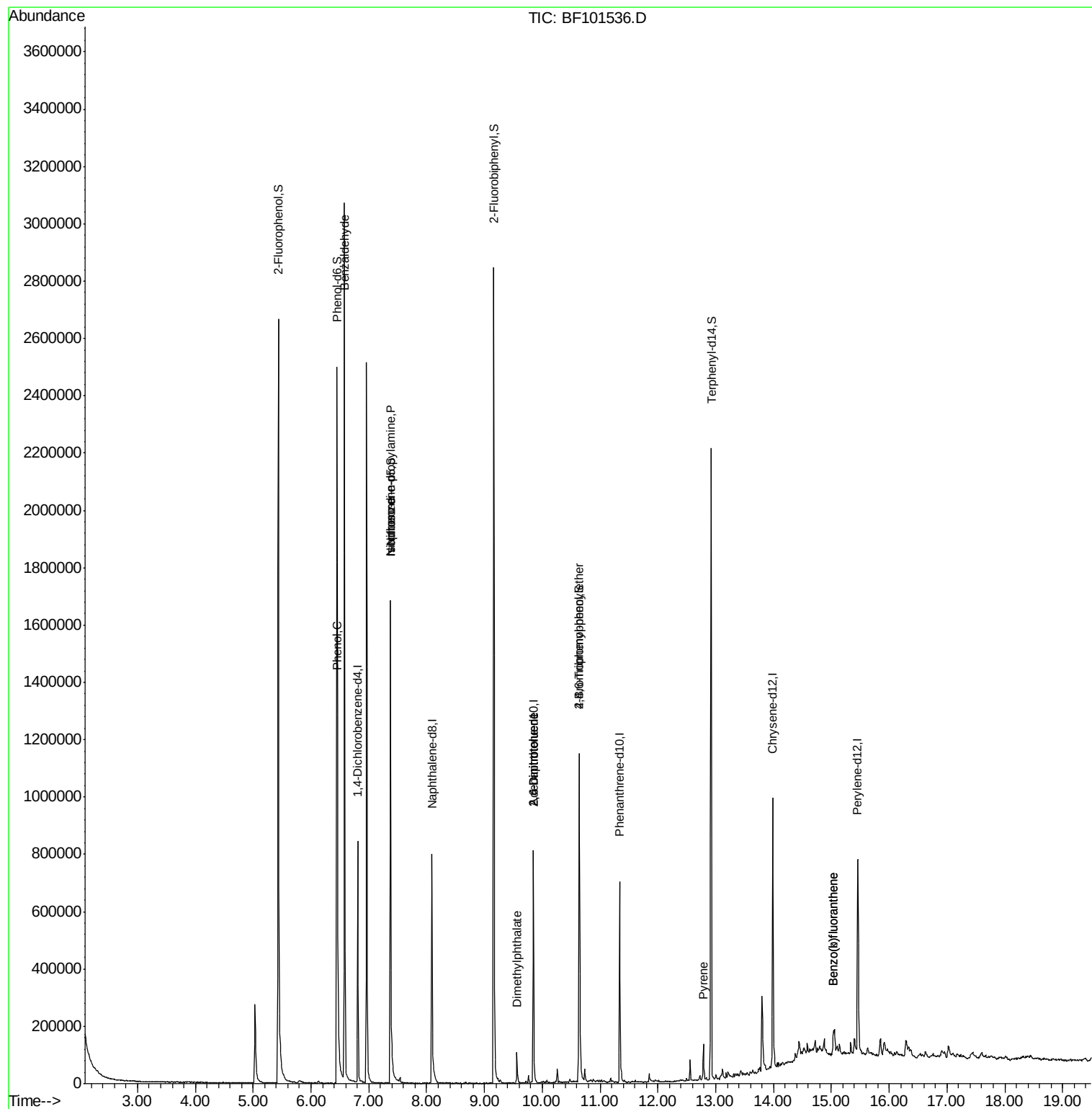
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	131282	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	461966	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	168522	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	269546	20.00	ng	0.00
75) Chrysene-d12	13.99	240	309229	20.00	ng	0.00
86) Perylene-d12	15.46	264	351720	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	895373	101.59	ng	0.01
7) Phenol-d6	6.45	99	977967	89.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	633773	76.37	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	159543	98.25	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	925564	85.20	ng	0.00
78) Terphenyl-d14	12.92	244	769391	59.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	17727	2.188	ng	81
10) Phenol	6.46	94	45369	3.629	ng	83
19) n-Nitroso-di-n-propylamine	7.37	70	82841	11.500	ng	# 83
25) Isophorone	7.37	82	633770	38.068	ng	# 64
49) Dimethylphthalate	9.56	163	51687	3.813	ng	99
50) 2,6-Dinitrotoluene	9.85	165	21069	7.648	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	21069	6.788	ng	# 24
66) 4-Bromophenyl-phenylether	10.64	248	9699	3.202	ng	# 1
77) Pyrene	12.79	202	51792	2.232	ng	98
87) Benzo(b)fluoranthene	15.03	252	60783	2.835	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	60783	2.916	ng	97

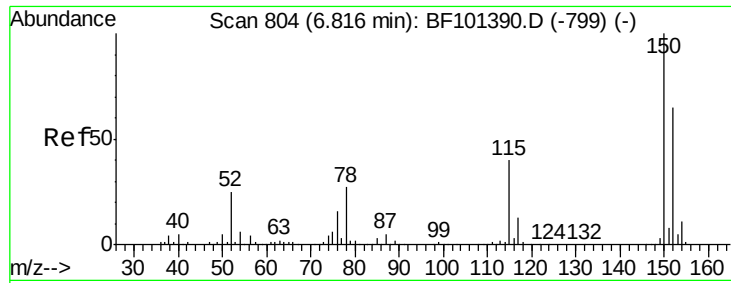
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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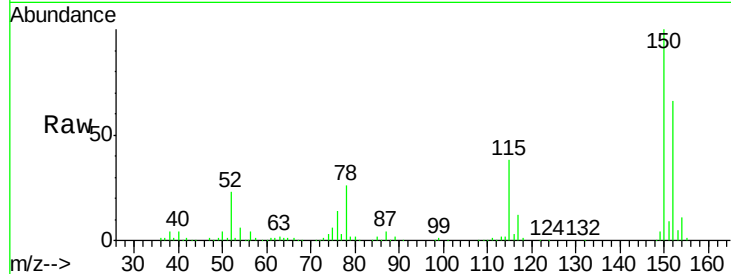


#1

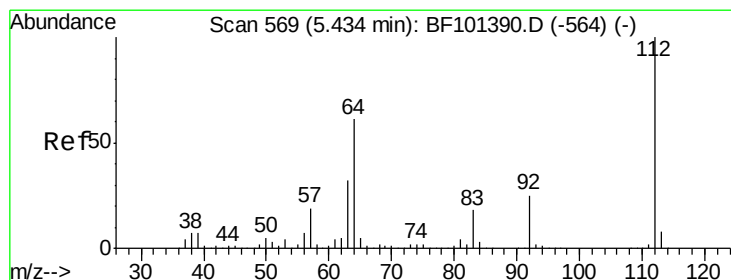
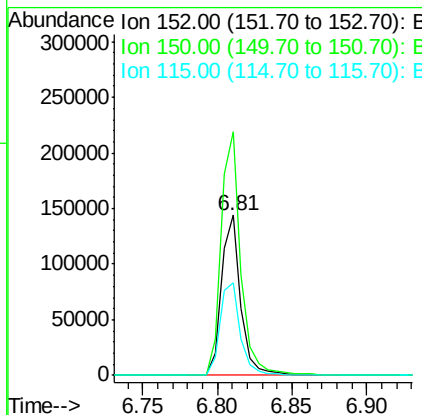
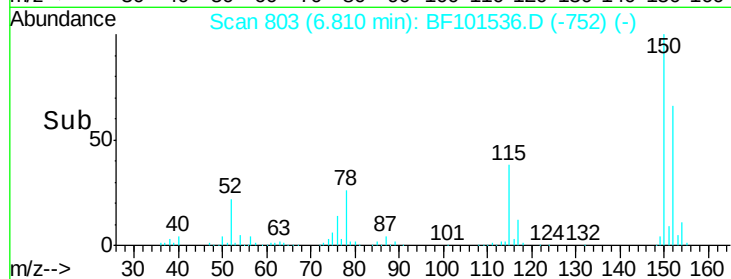
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion:152 Resp: 131282
Ion Ratio Lower Upper
152 100
150 152.2 124.6 186.8
115 58.2 50.1 75.1



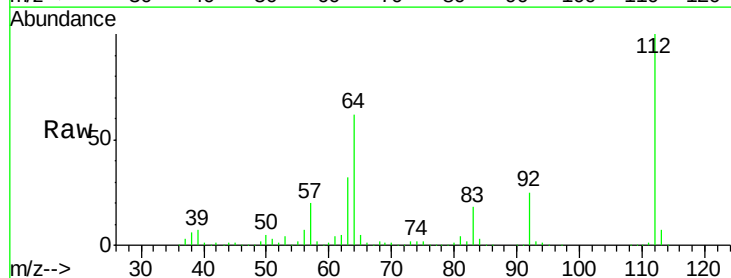
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



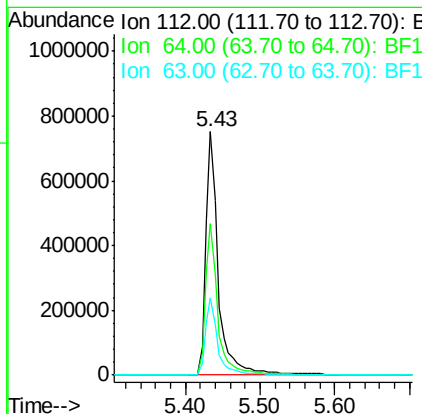
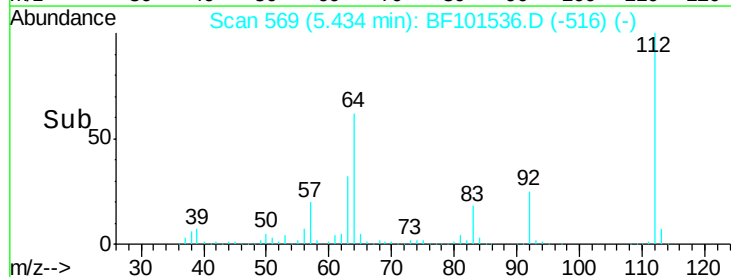
#5

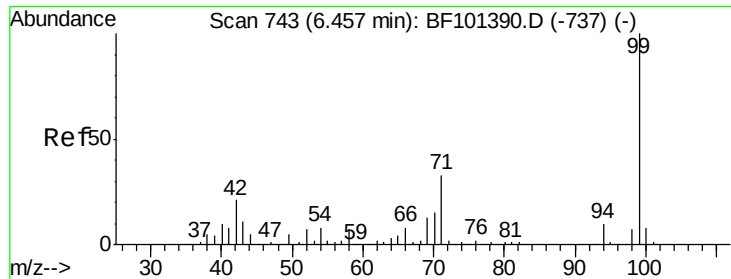
2-Fluorophenol
Concen: 101.593 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Tgt Ion:112 Resp: 895373
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 31.9 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: 89.161 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Instrument :

BNA_F

ClientSampled :

72-12000

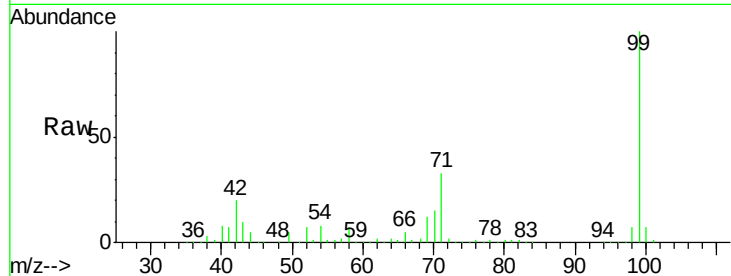
Tot Ion: 99 Resp: 977967

Ion Ratio Lower Upper

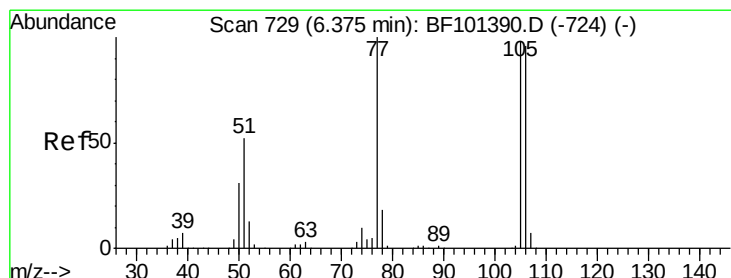
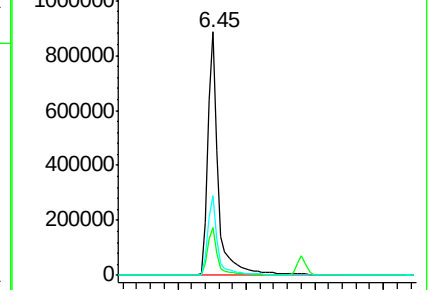
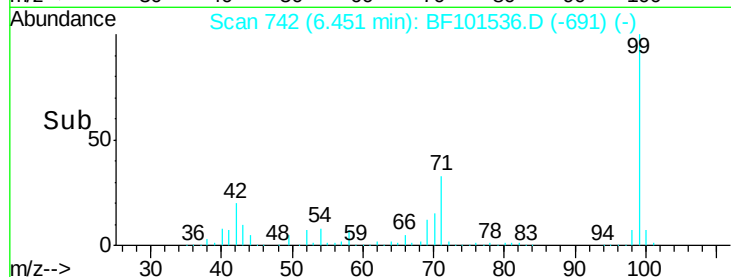
99 100

42 19.7 14.5 21.7

71 32.6 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: 2.188 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

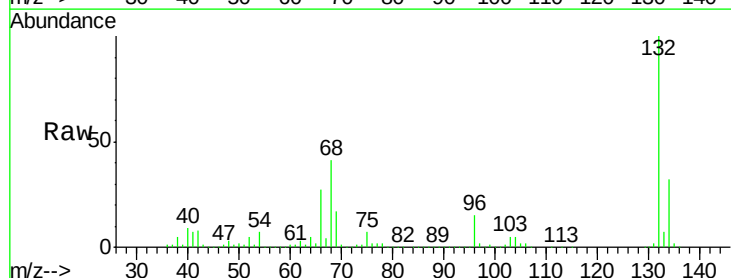
Tgt Ion: 77 Resp: 17727

Ion Ratio Lower Upper

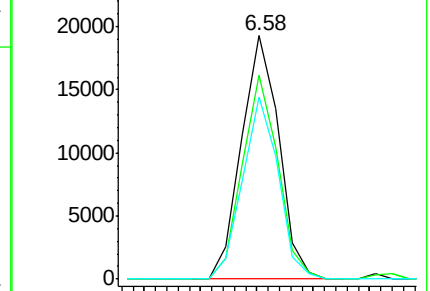
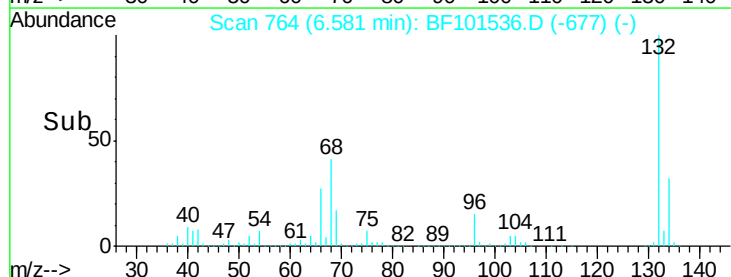
77 100

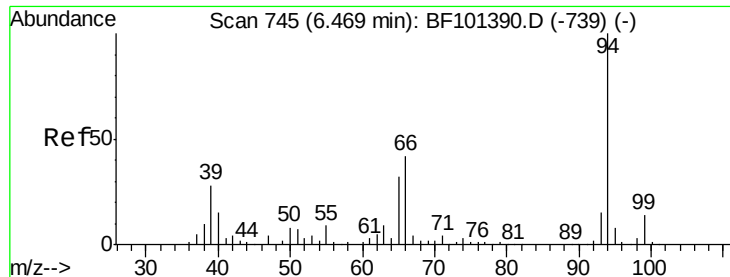
105 83.7 81.1 121.1

106 74.8 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





#10

Phenol

Concen: 3.629 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Instrument :

BNA_F

ClientSampleId :

72-12000

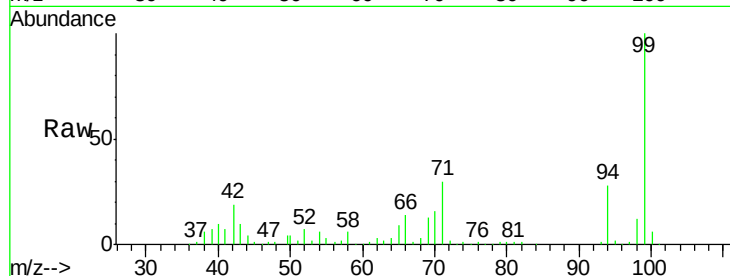
Tot Ion: 94 Resp: 45369

Ion Ratio Lower Upper

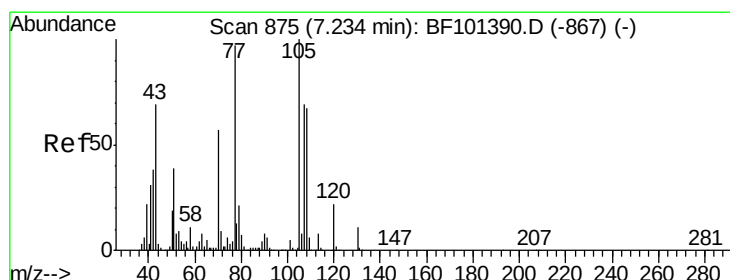
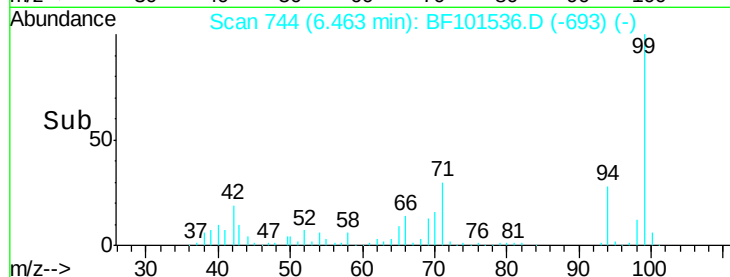
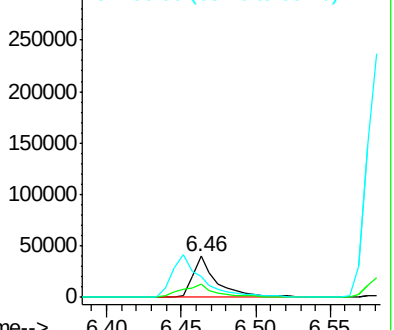
94 100

65 32.1 7.9 47.9

66 50.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.500 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Tgt Ion: 70 Resp: 82841

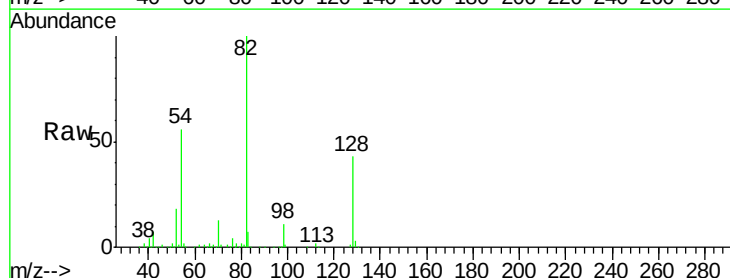
Ion Ratio Lower Upper

70 100

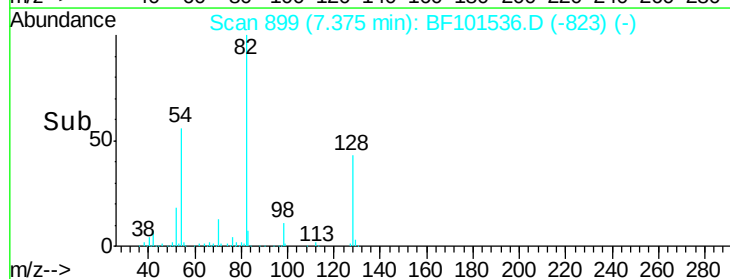
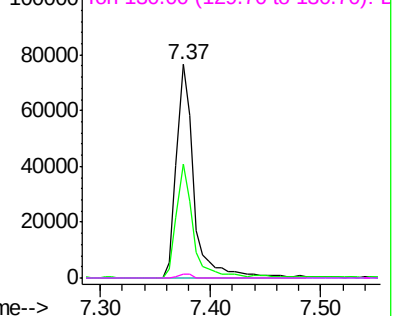
42 53.6 47.5 71.3

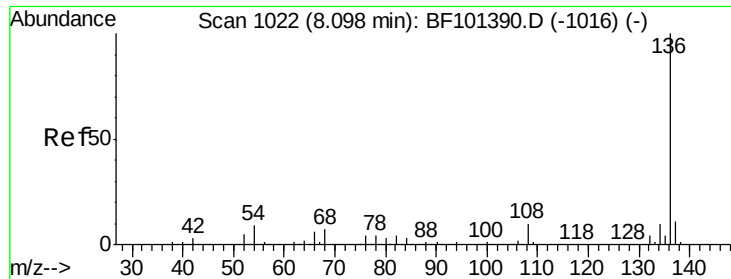
101 0.0 7.4 11.2#

130 1.7 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

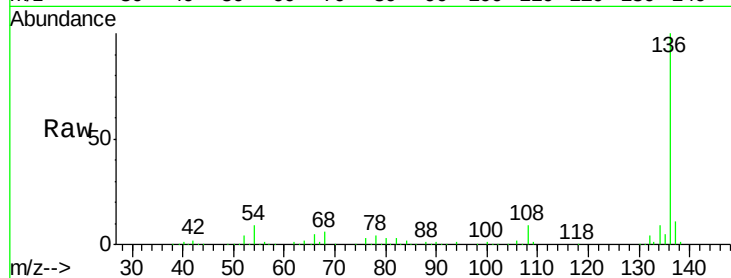




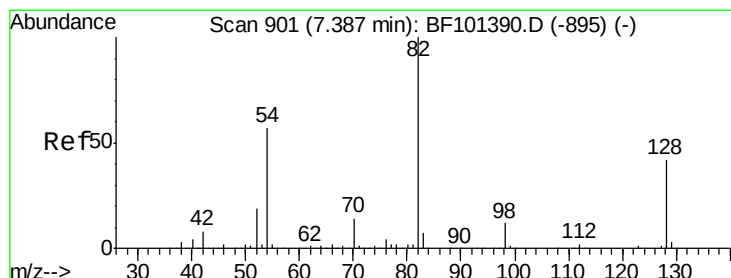
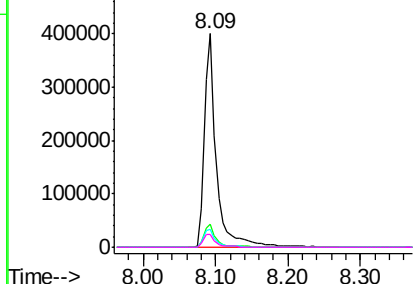
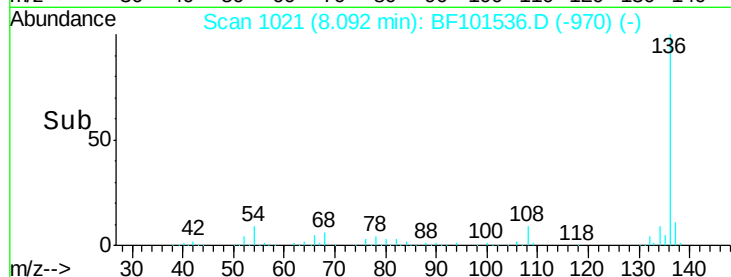
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion:136	Resp:	461966
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.6	6.6 9.8
68	6.1	5.0 7.4

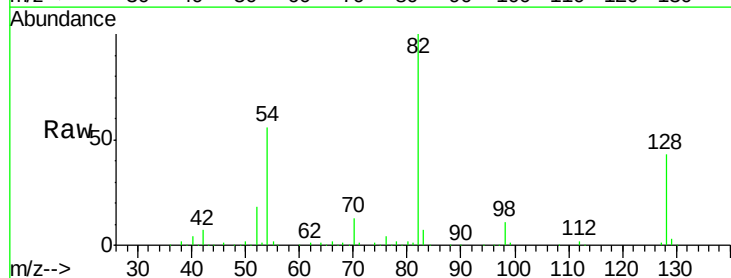


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

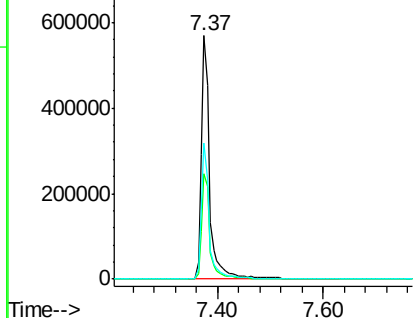
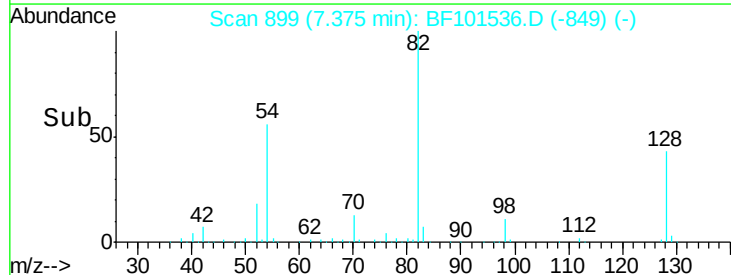


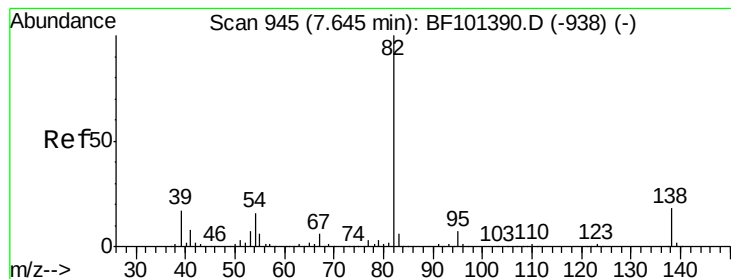
#23
Nitrobenzene-d5
Concen: 76.368 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Tgt Ion: 82	Resp:	633773
Ion Ratio	Lower	Upper
82	100	
128	43.3	36.1 54.1
54	56.1	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: 38.068 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Instrument :

BNA_F

ClientSampleId :

72-12000

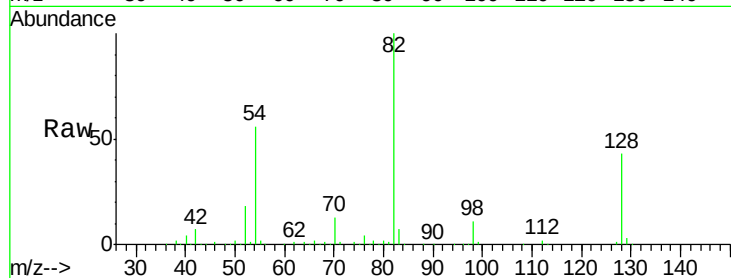
Tot Ion: 82 Resp: 633770

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

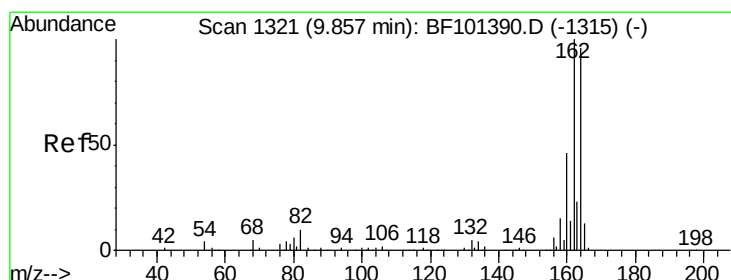
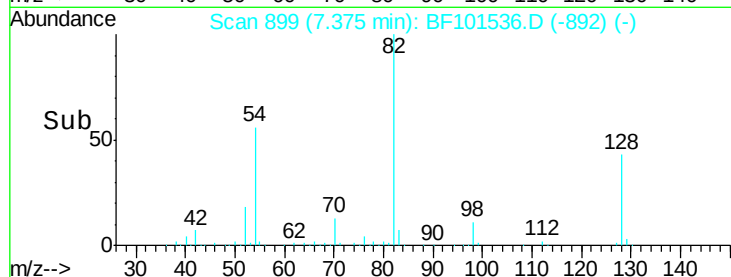
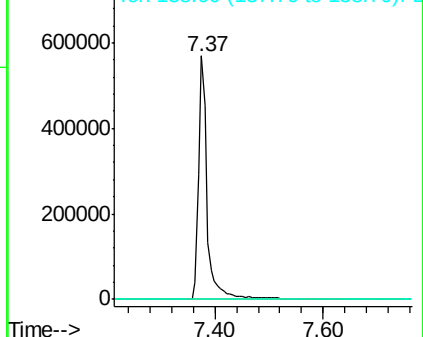
138 0.0 14.9 22.3#



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: BF101536.D

Acq: 19 Dec 2017 21:30

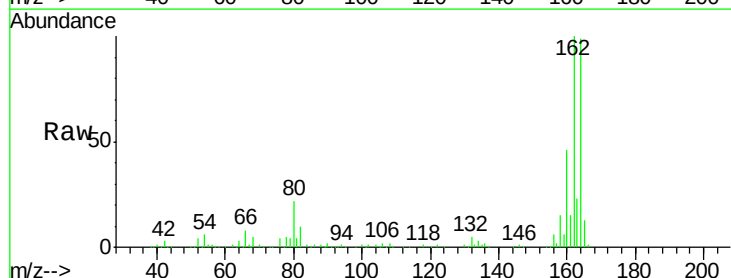
Tgt Ion: 164 Resp: 168522

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

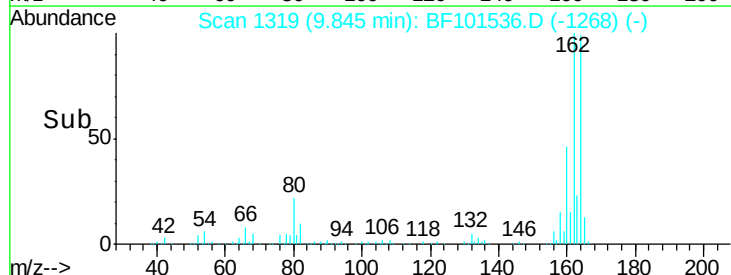
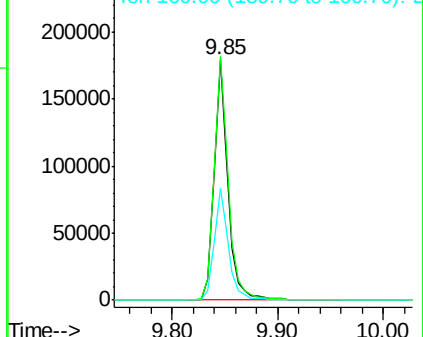
160 46.3 38.3 57.5

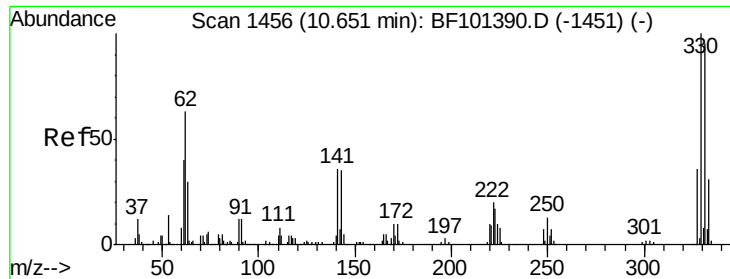


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

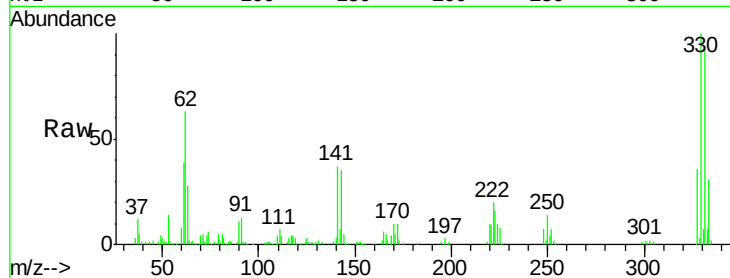




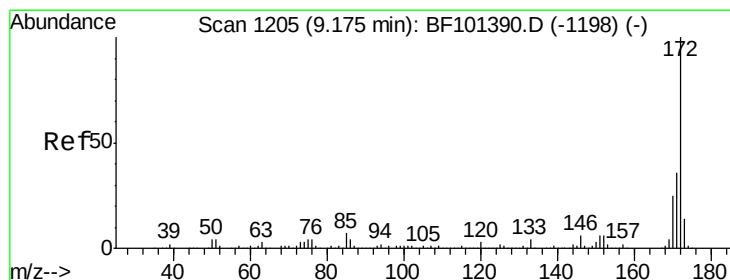
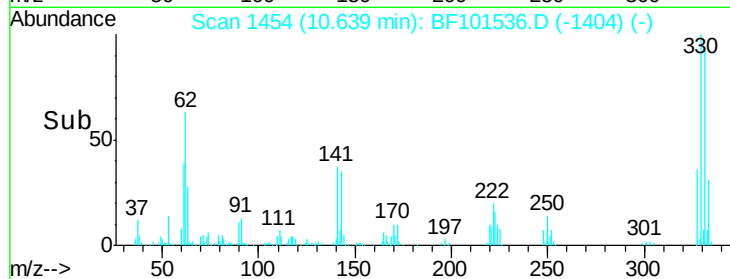
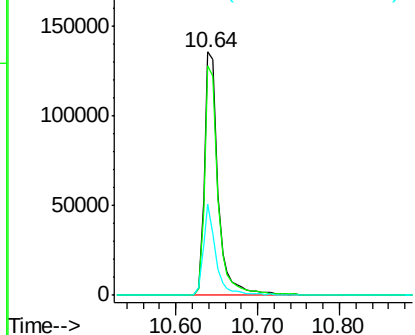
#41
 2,4,6-Tribromophenol
 Concen: 98.250 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

Instrument :
 BNA_F
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 72-12000

Tot Ion	330	Resp	159543
Ion Ratio	100	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	34.1	29.9	44.9

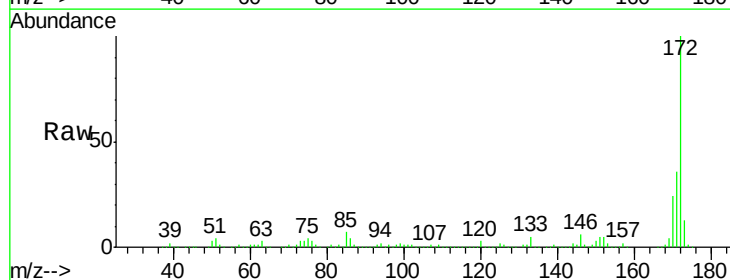


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

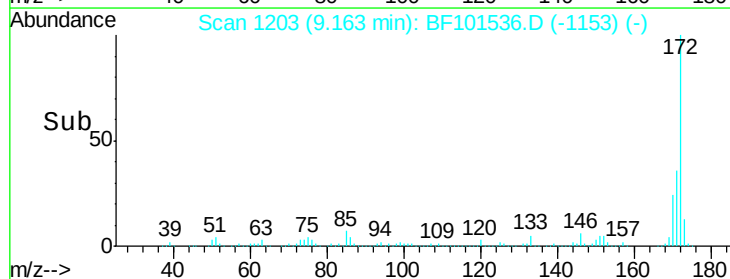
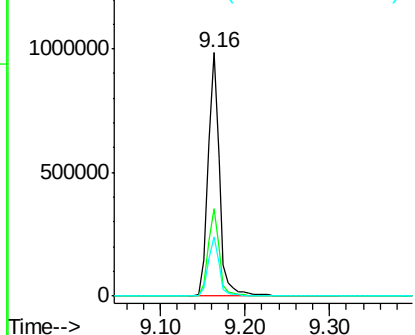


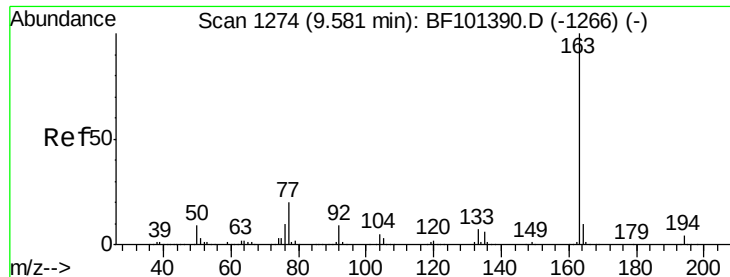
#44
 2-Fluorobiphenyl
 Concen: 85.198 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

Tgt Ion	172	Resp	925564
Ion Ratio	100	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	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

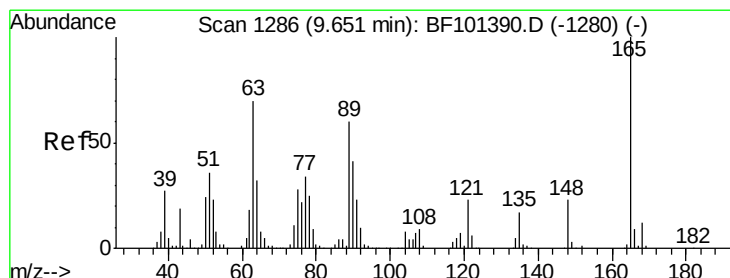
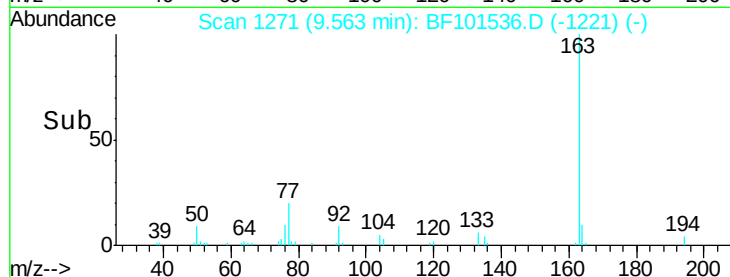
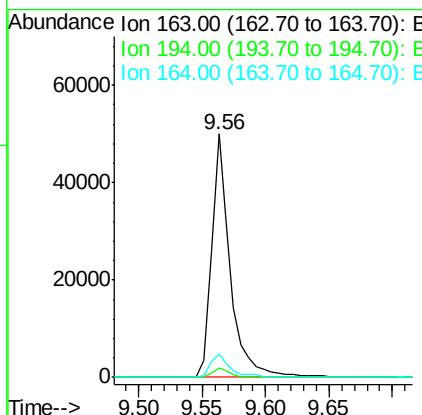
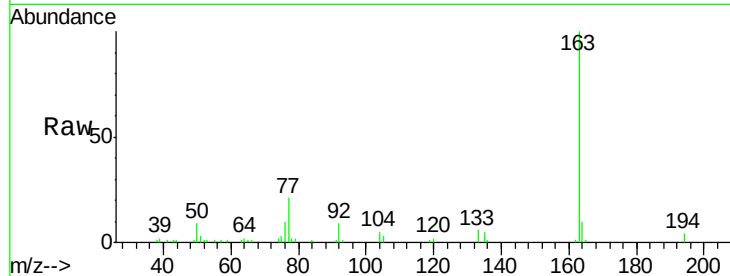




#49
Dimethylphthalate
Concen: 3.813 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

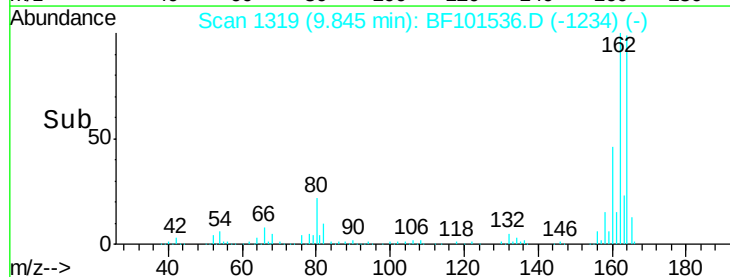
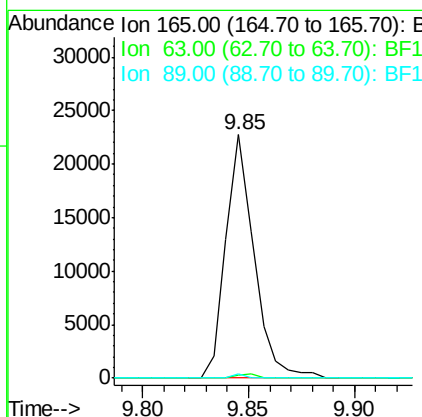
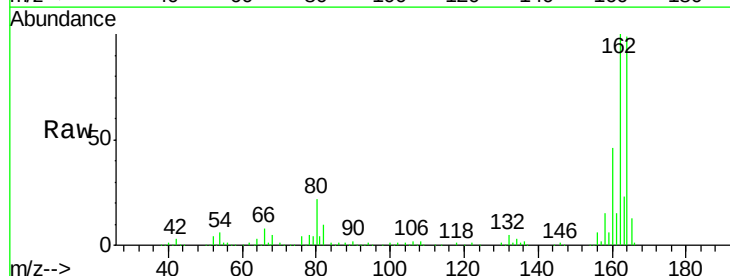
Instrument :
BNA_F
ClientSampleId :
72-12000

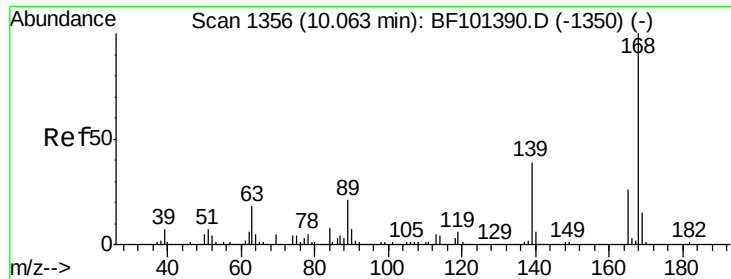
Tot Ion:163 Resp: 51687
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.7 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.648 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Tgt Ion:165 Resp: 21069
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.8 44.0 66.0#

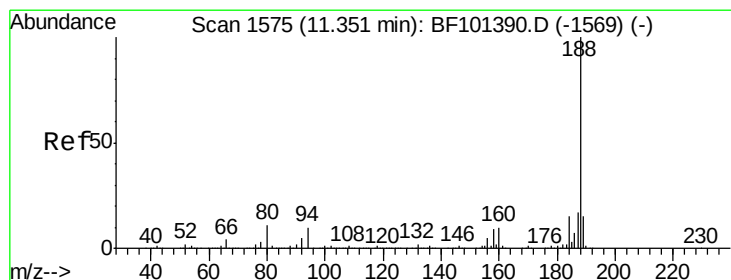
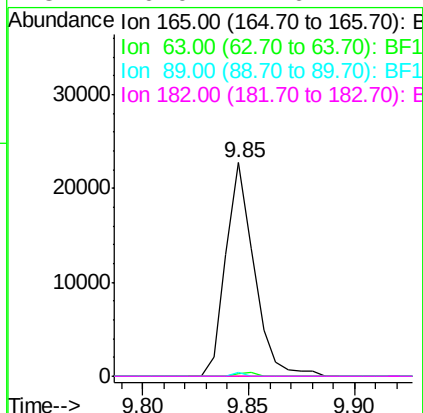
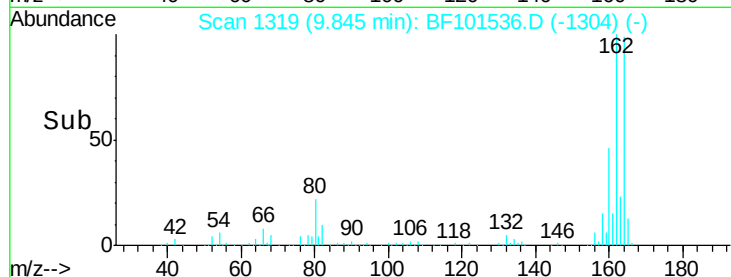
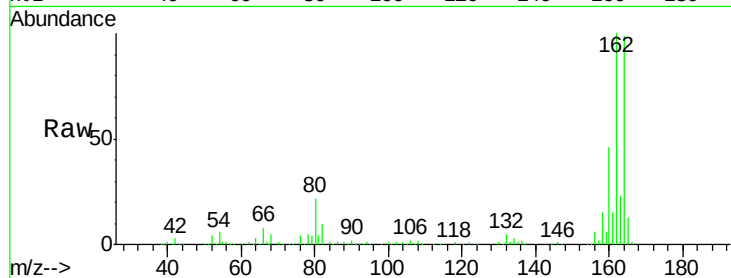




#56
 2,4-Dinitrotoluene
 Concen: 6.788 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

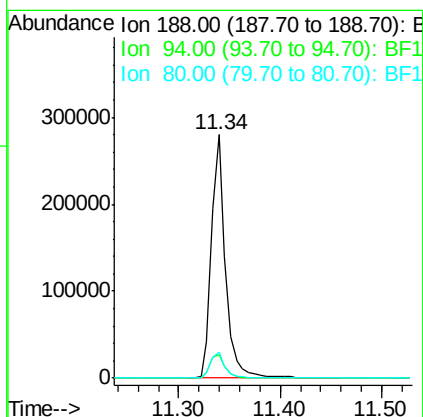
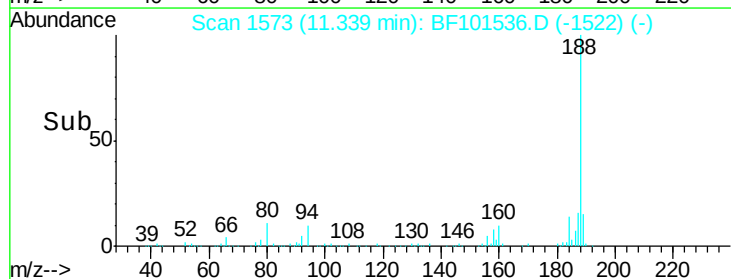
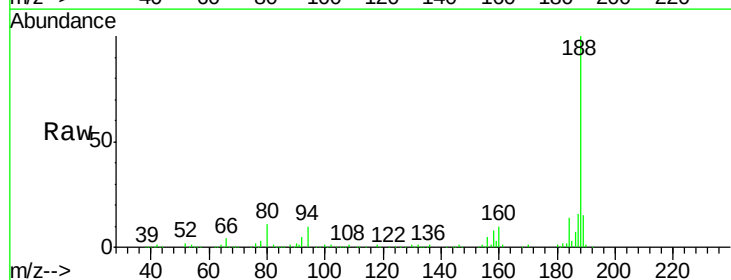
Instrument :
 BNA_F
 ClientSampleId :
 72-12000

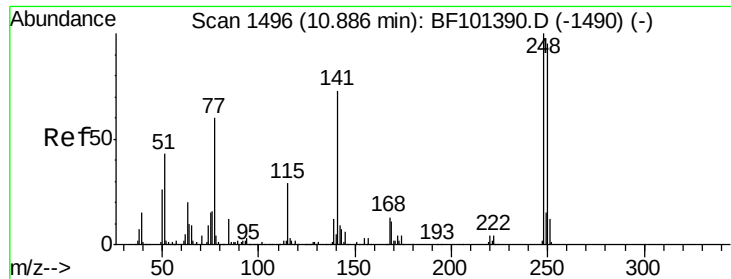
Tot Ion:	165	Resp:	21069
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

Tgt Ion:	188	Resp:	269546
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.8	9.2	13.8

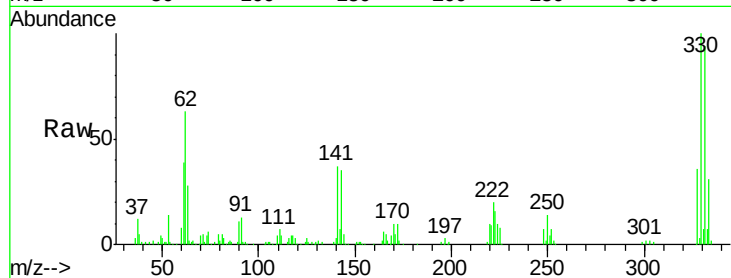




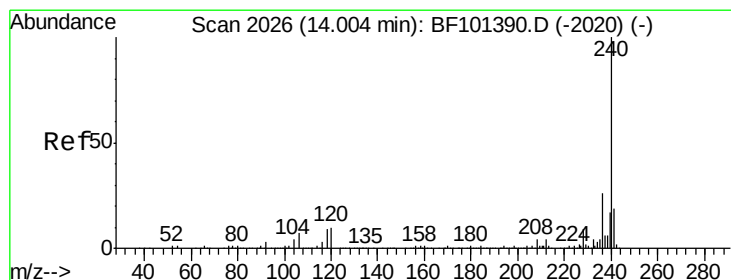
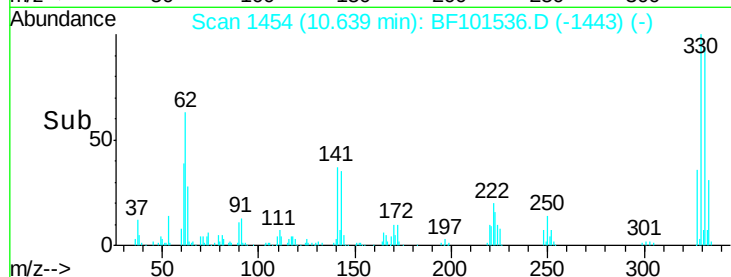
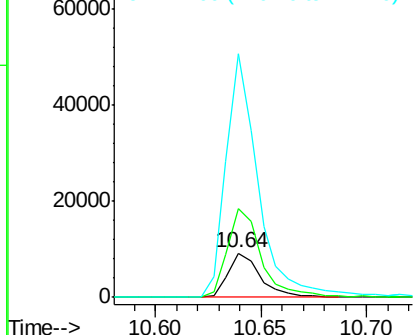
#66
 4-Bromophenyl-phenylether
 Concen: 3.202 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tot Ion:248 Resp: 9699
 Ion Ratio Lower Upper
 248 100
 250 201.4 76.9 115.3#
 141 549.5 74.4 111.6#

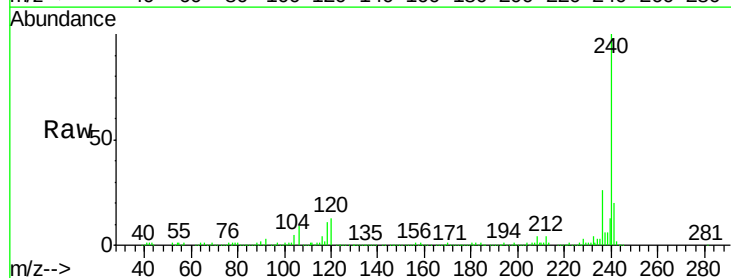


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

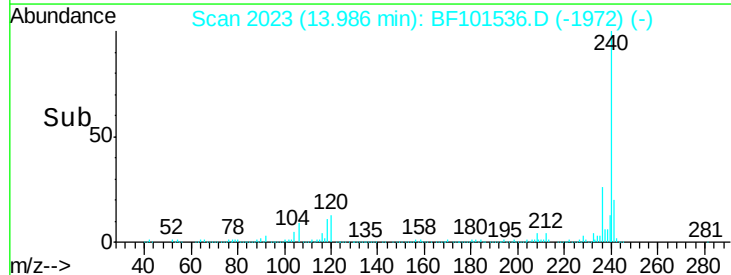
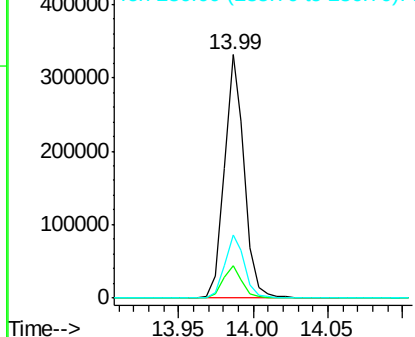


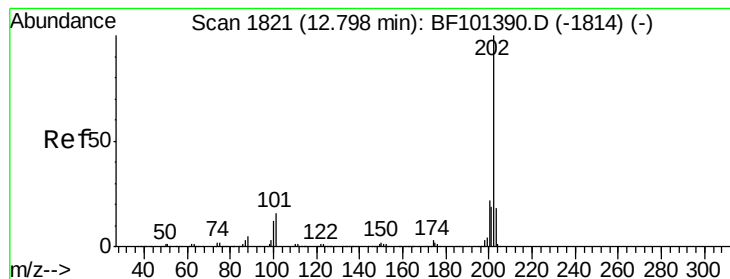
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF101536.D
 Acq: 19 Dec 2017 21:30

Tgt Ion:240 Resp: 309229
 Ion Ratio Lower Upper
 240 100
 120 13.2 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





#77

Pvrene

Concen: 2.232 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Instrument :

BNA_F

ClientSampleId :

72-12000

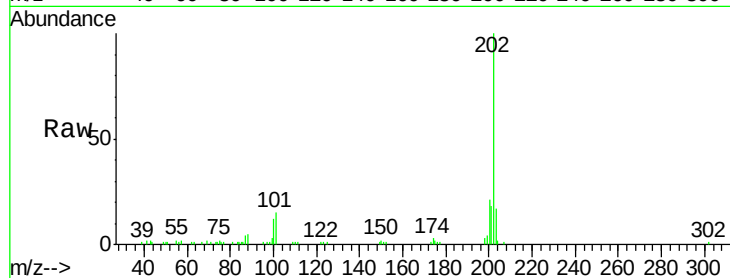
Tot Ion:202 Resp: 51792

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

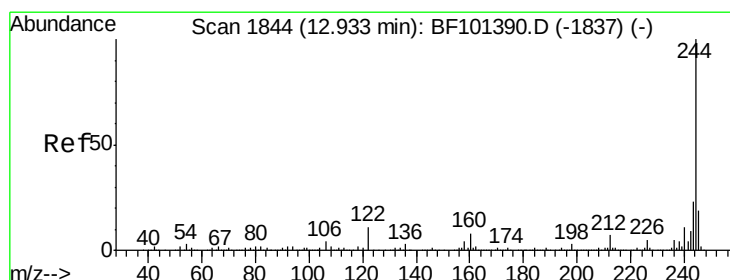
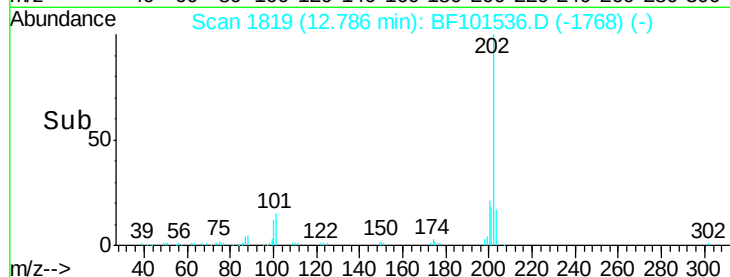
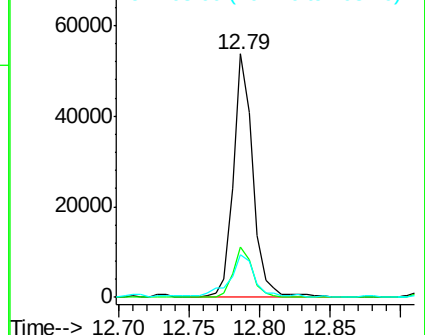
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 59.982 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

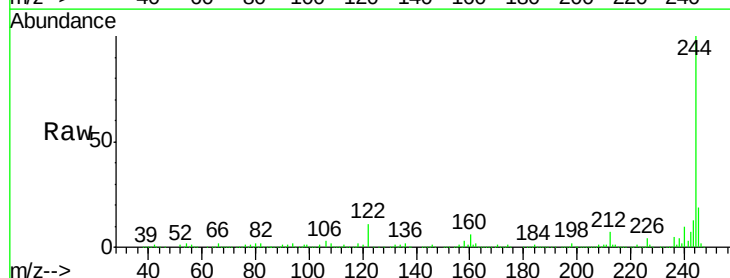
Tgt Ion:244 Resp: 769391

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

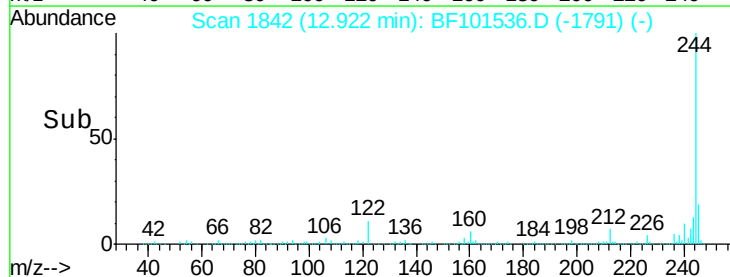
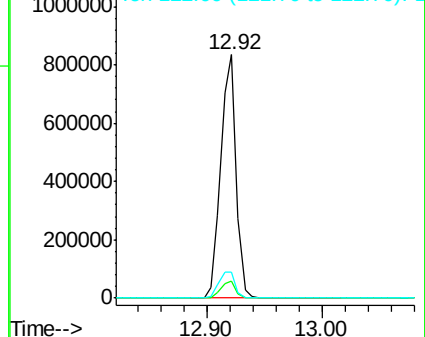
122 10.6 11.0 16.4#

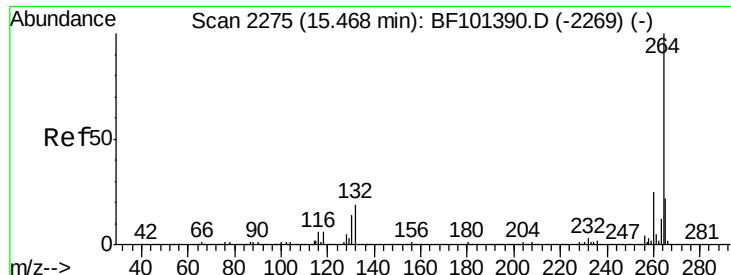


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

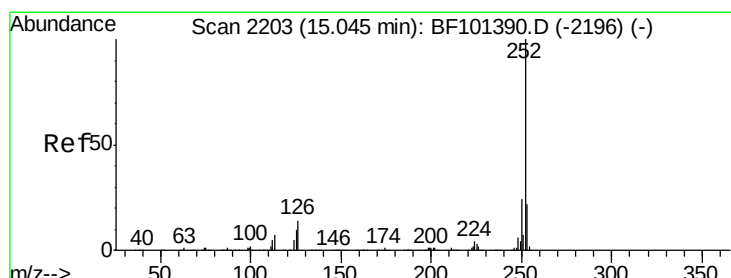
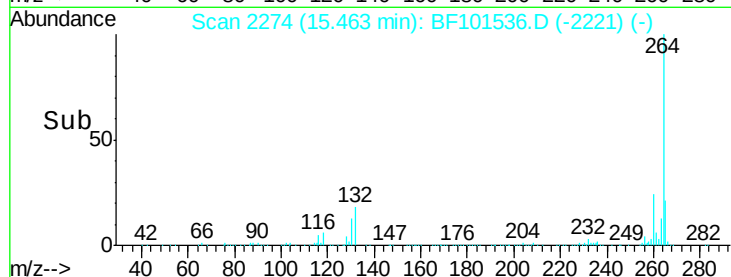
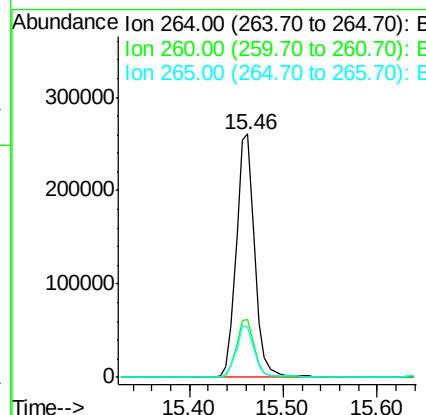
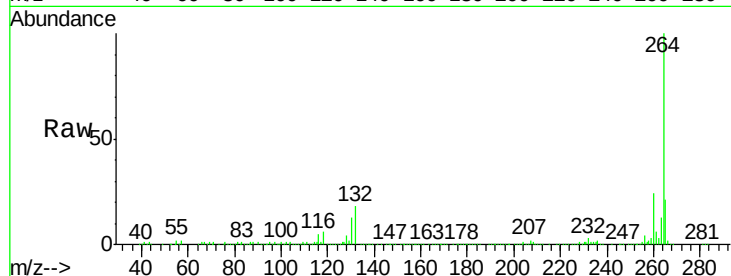




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

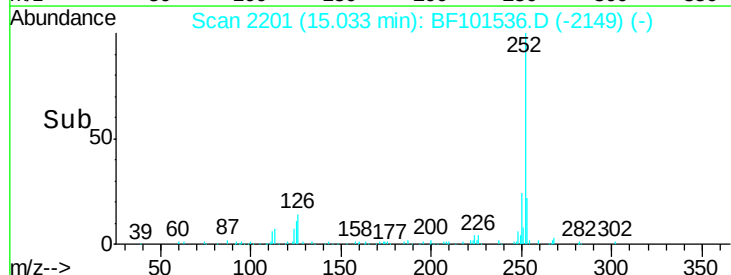
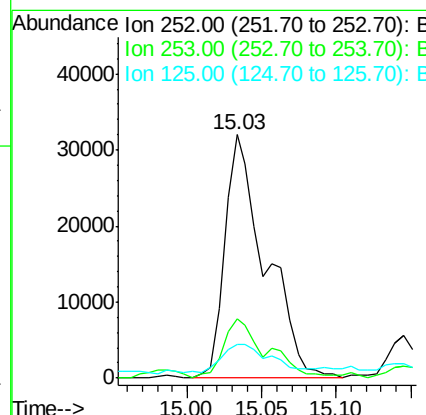
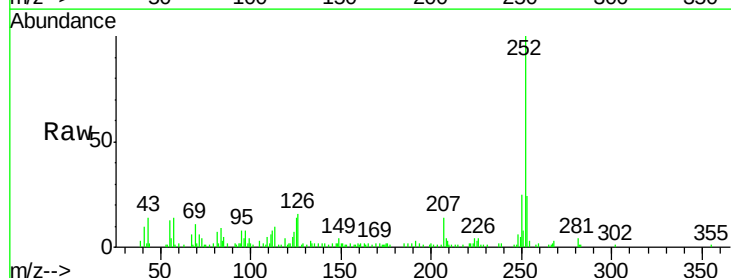
Instrument :
BNA_F
ClientSampleId :
72-12000

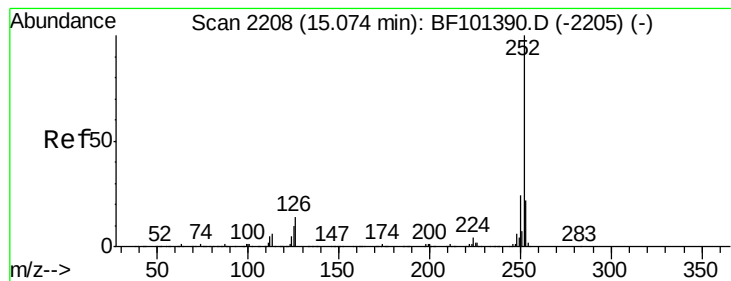
Tot Ion:264 Resp: 351720
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.835 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101536.D
Acq: 19 Dec 2017 21:30

Tgt Ion:252 Resp: 60783
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 13.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.916 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101536.D

Acq: 19 Dec 2017 21:30

Instrument :

BNA_F

ClientSampleId :

72-12000

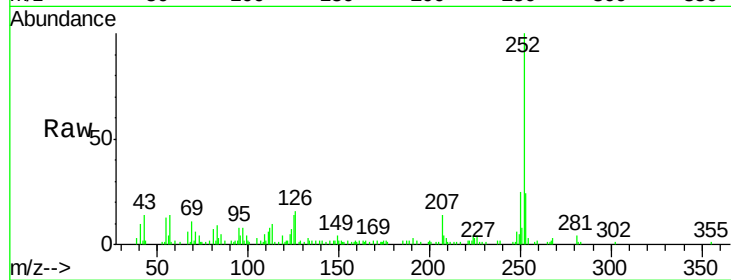
Tot Ion:252 Resp: 60783

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 13.6 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

