

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107650.D
 Acq On : 25 Jul 2018 12:11
 Operator : JU/SJ
 Sample : J4101-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 25 13:04:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

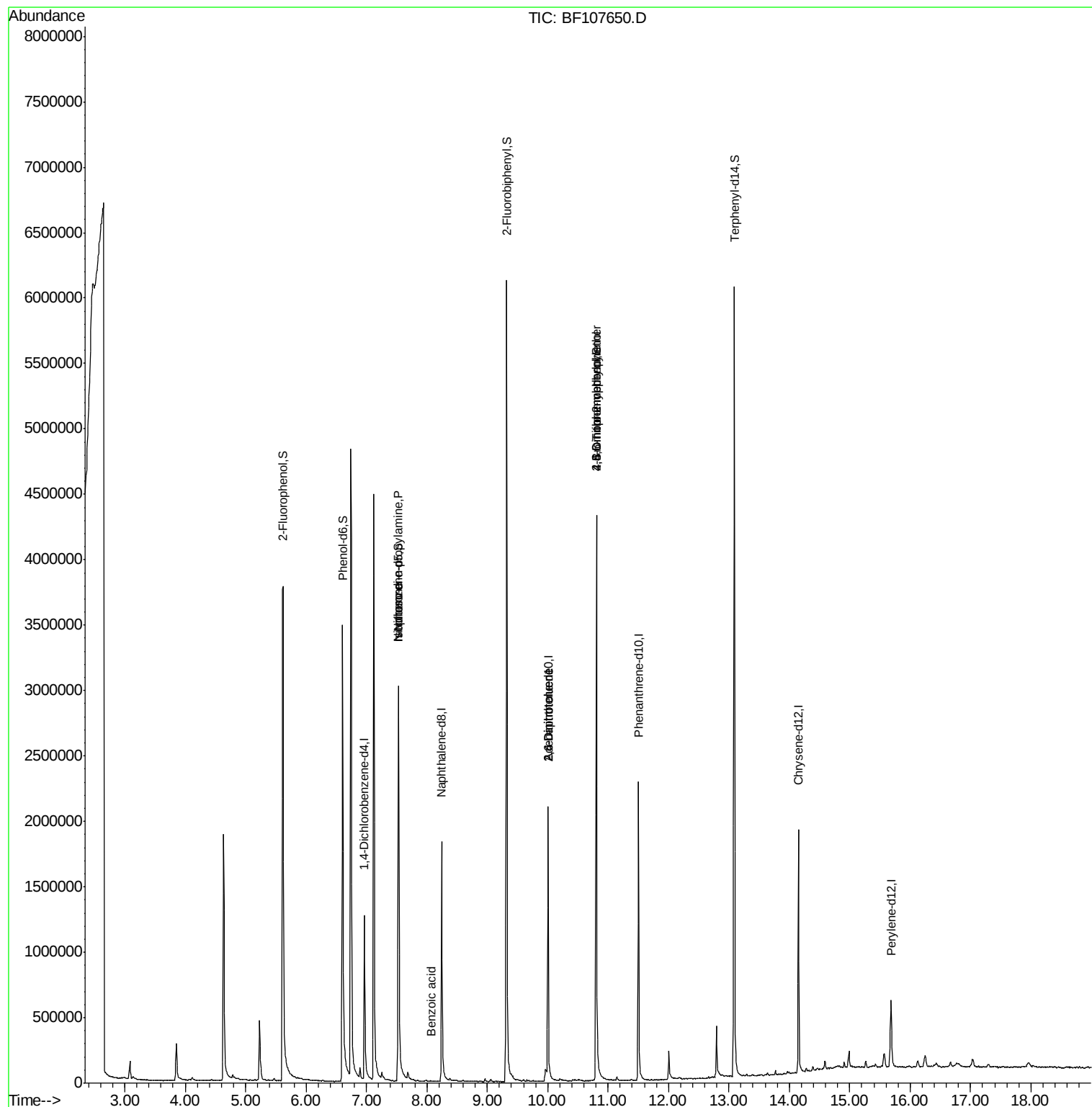
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	253919	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	981577	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	424896	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	956047	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	723273	20.00	ng	-0.01
86) Perylene-d12	15.68	264	216647	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1607960	101.82	ng	0.01
7) Phenol-d6	6.61	99	1787171	94.24	ng	0.00
23) Nitrobenzene-d5	7.53	82	1431227	98.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	743712	153.92	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	2530163	110.60	ng	-0.01
78) Terphenyl-d14	13.09	244	2689482	95.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	191731	15.651	ng	# 80
25) Isophorone	7.53	82	1431220	46.087	ng	# 64
32) Benzoic acid	8.08	122	281	7.925	ng	92
50) 2,6-Dinitrotoluene	10.01	165	53027	8.340	ng	# 27
56) 2,4-Dinitrotoluene	10.01	165	53736	7.002	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	1274	8.907	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	42698	3.794	ng	# 1
73) Di-n-butylphthalate	12.05	149	3546	Below Cal		# 94
81) 3,3'-Dichlorobenzidine	14.11	252	807	Below Cal		# 77

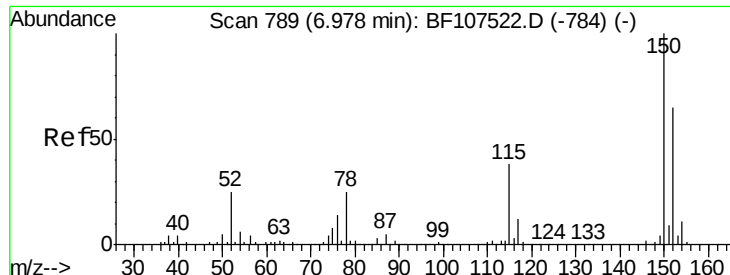
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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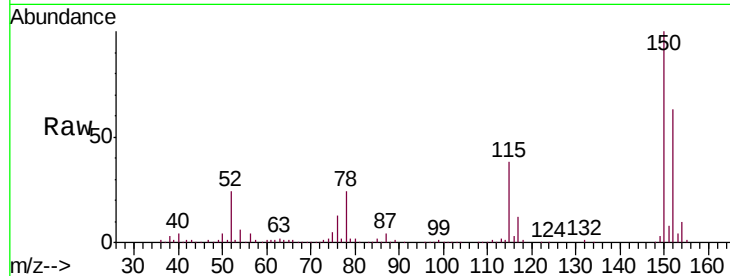


#1

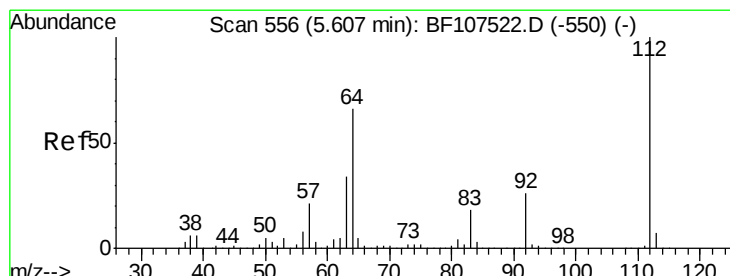
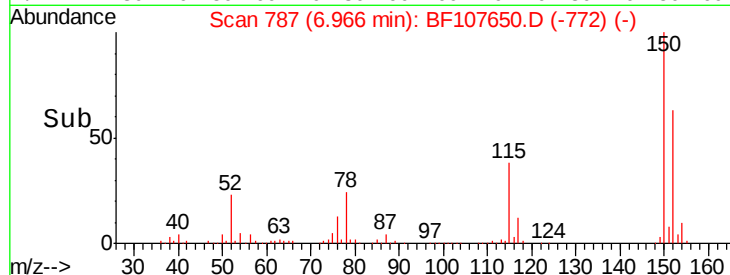
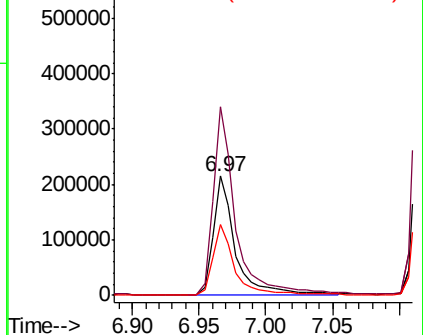
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

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Tgt Ion:152 Resp: 253919
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 59.6 50.1 75.1



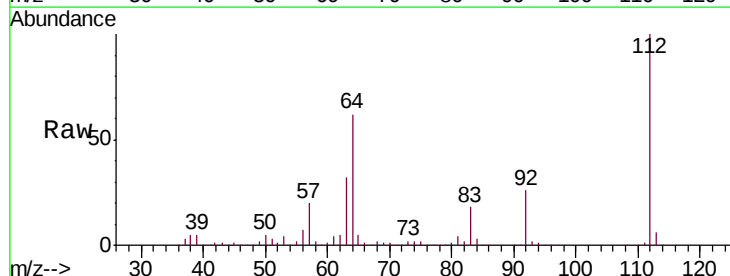
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



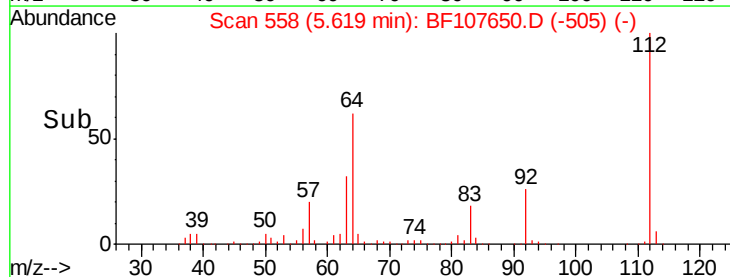
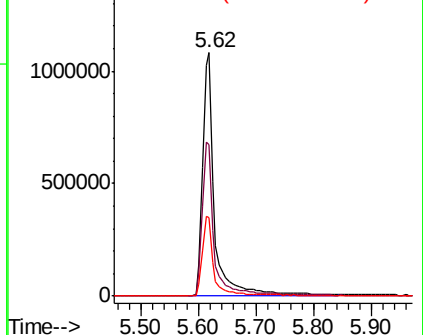
#5

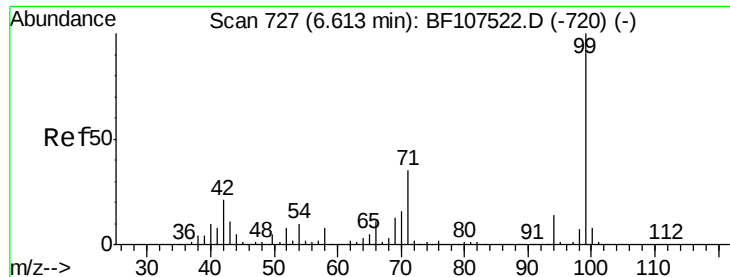
2-Fluorophenol
Concen: 101.816 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Tgt Ion:112 Resp: 1607960
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 32.2 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: 94.245 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

Instrument :

BNA_F

ClientSampleId :

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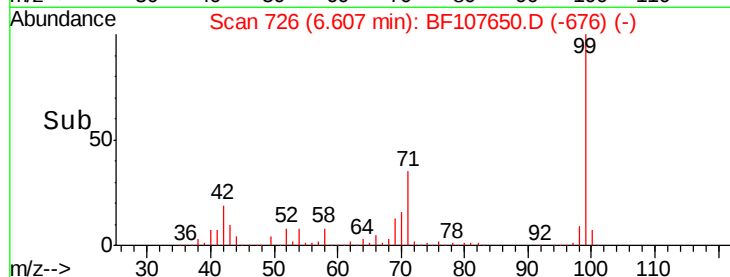
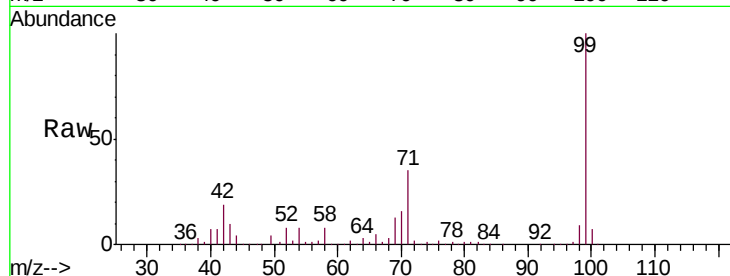
Tgt Ion: 99 Resp: 1787171

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

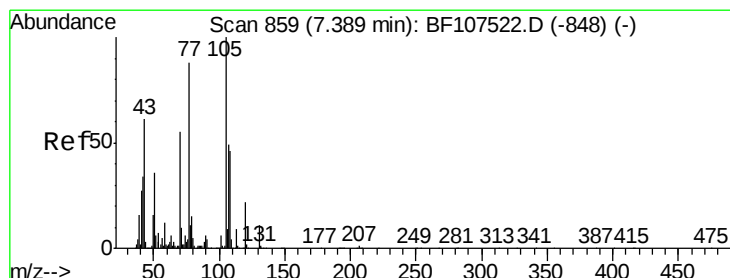
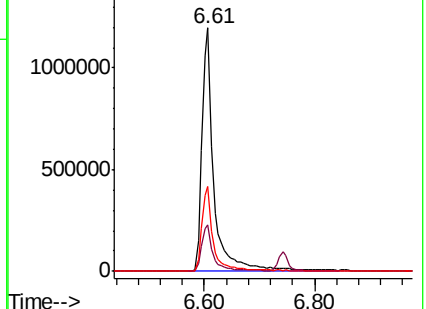
71 34.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.651 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

Tgt Ion: 70 Resp: 191731

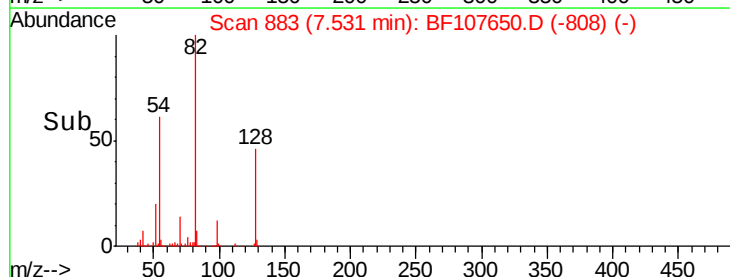
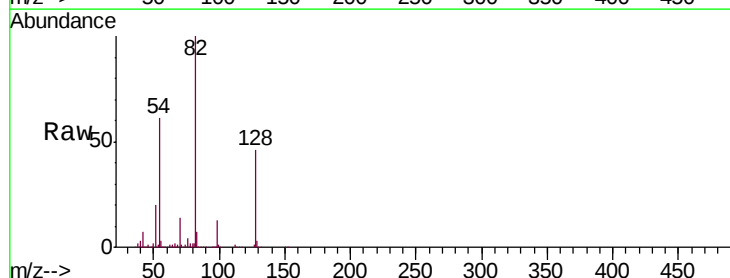
Ion Ratio Lower Upper

70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

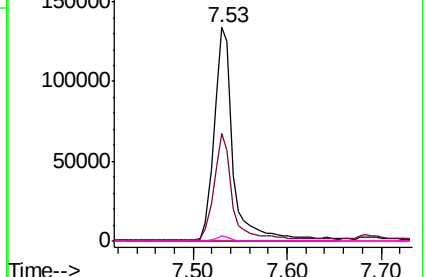


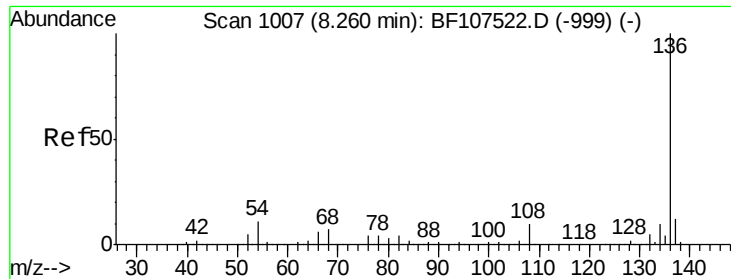
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

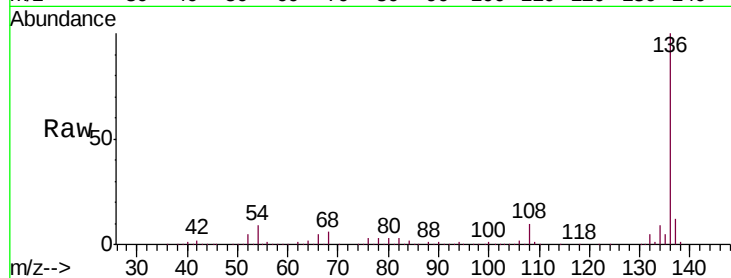




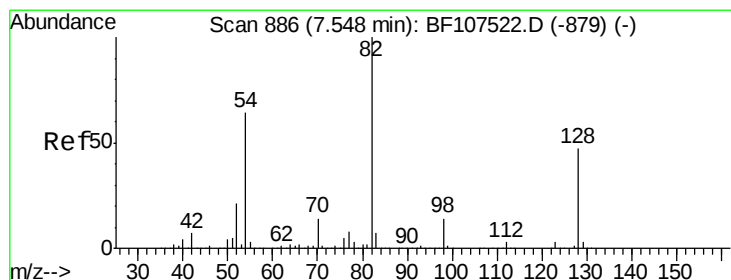
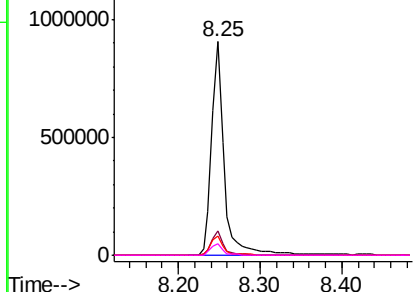
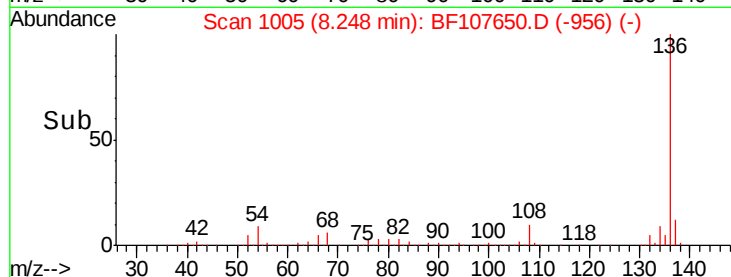
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Instrument :
BNA_F
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TP-1

Tgt Ion:	136	Resp:	981577
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.2	6.6	9.8
68	5.7	5.0	7.4

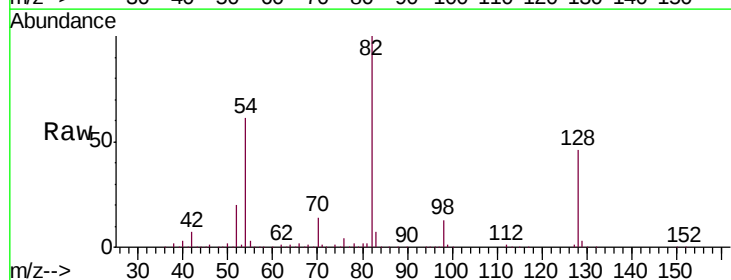


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

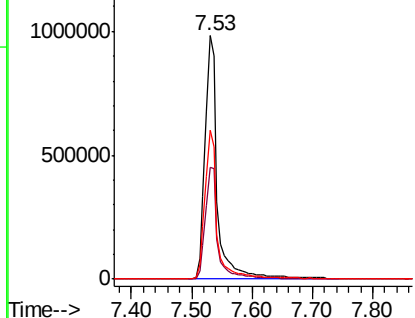
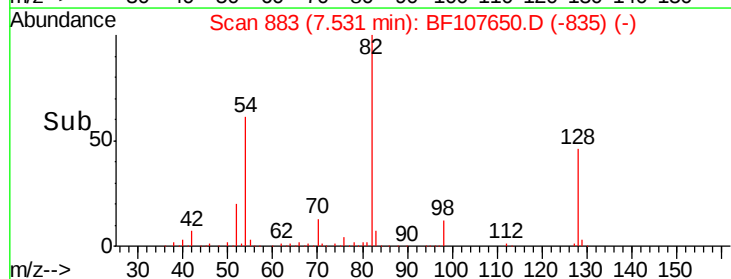


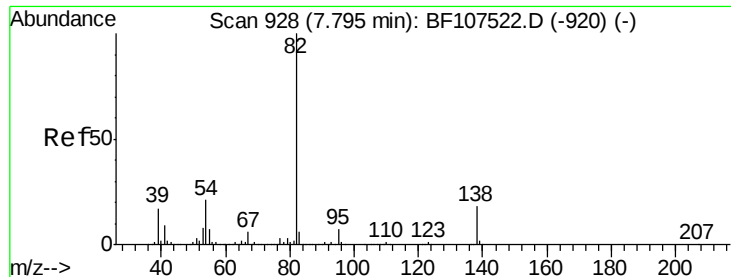
#23
Nitrobenzene-d5
Concen: 98.403 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Tgt Ion:	82	Resp:	1431227
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	61.1	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: 46.087 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

Instrument :

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ClientSampleId :

TP-1

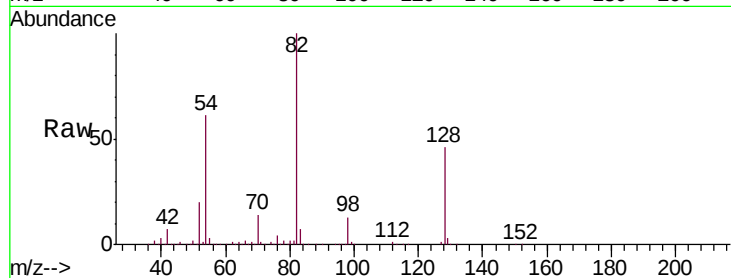
Tgt Ion: 82 Resp: 1431220

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

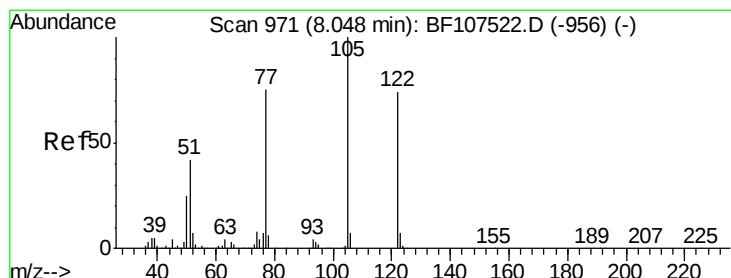
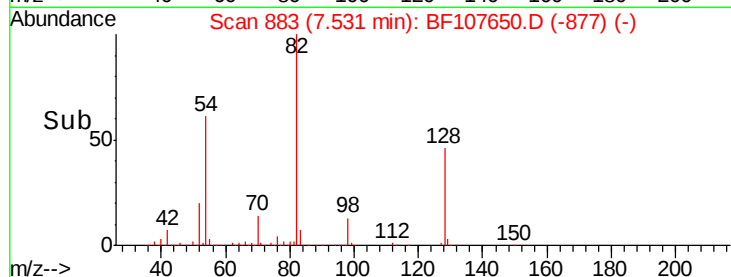
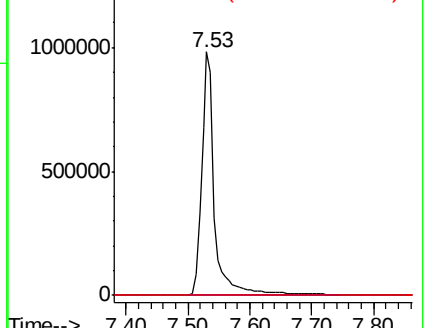
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.925 ng

RT: 8.08 min Scan# 977

Delta R.T. 0.04 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

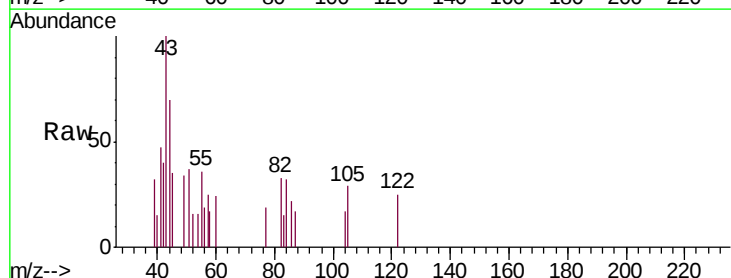
Tgt Ion: 122 Resp: 281

Ion Ratio Lower Upper

122 100

105 117.2 101.1 141.1

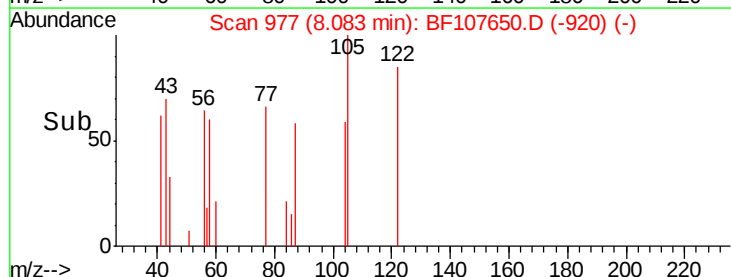
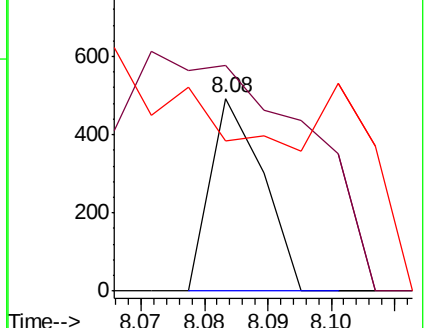
77 77.7 70.7 110.7

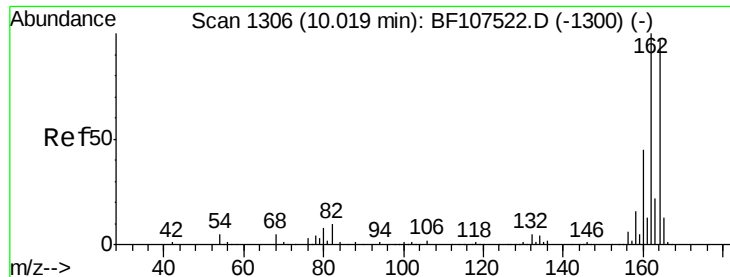


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

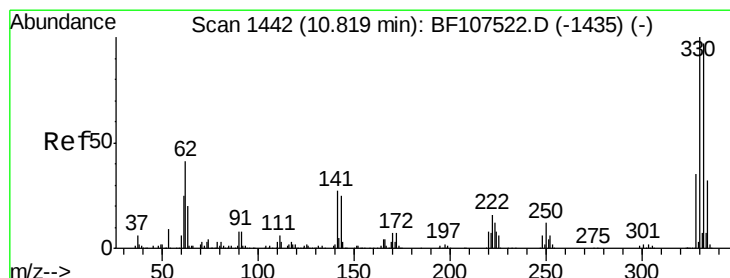
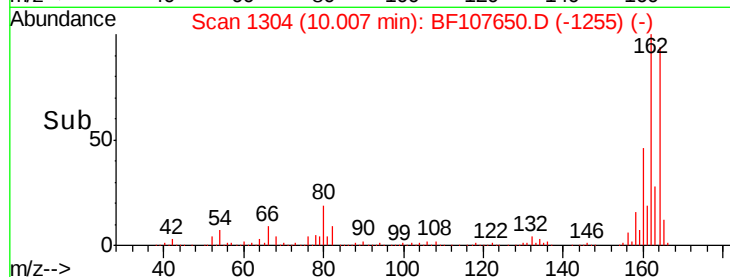
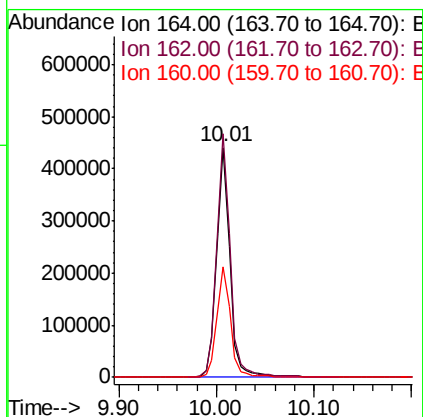
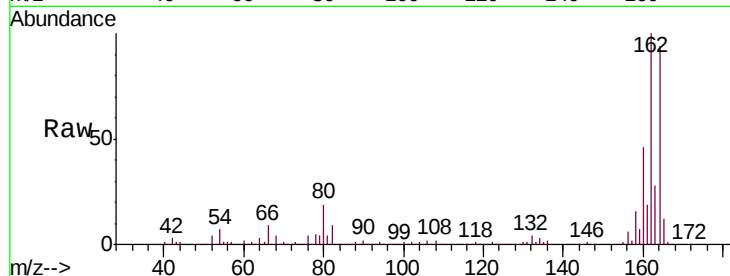




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

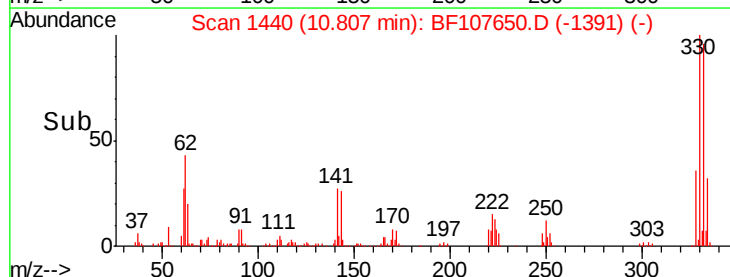
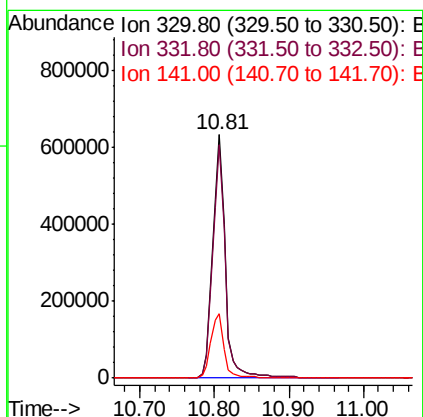
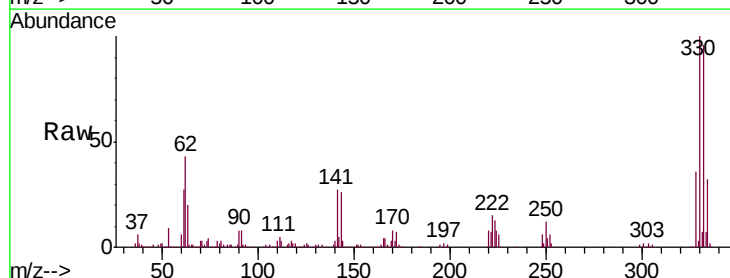
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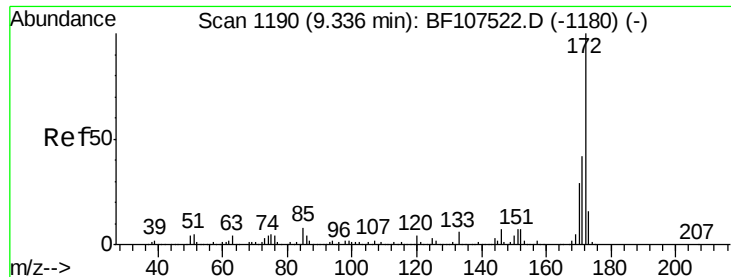
Tgt Ion:164 Resp: 424896
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 48.3 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 153.922 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Tgt Ion:330 Resp: 743712
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 28.1 29.9 44.9#

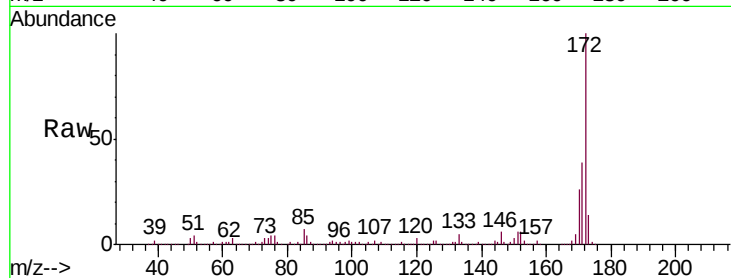




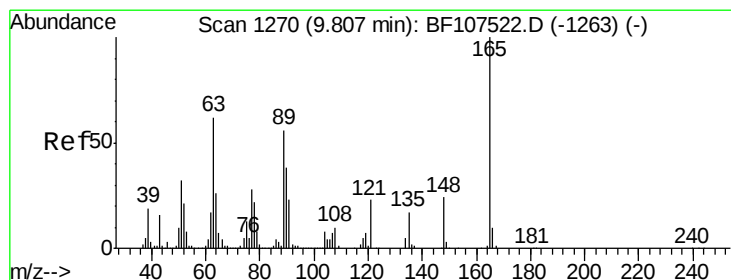
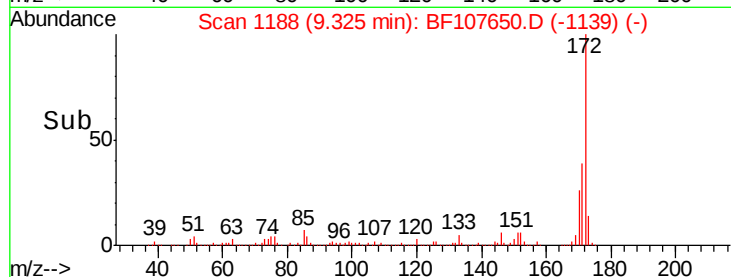
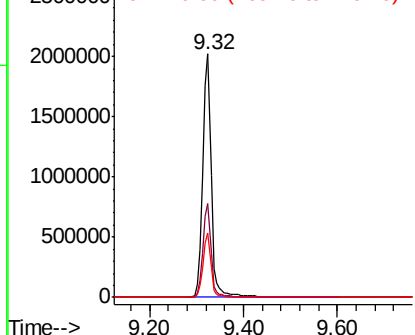
#44
 2-Fluorobiphenyl
 Concen: 110.600 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107650.D
 Acq: 25 Jul 2018 12:11

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Tgt Ion:172 Resp: 2530163
 Ion Ratio Lower Upper
 172 100
 171 38.6 29.7 44.5
 170 26.3 19.6 29.4

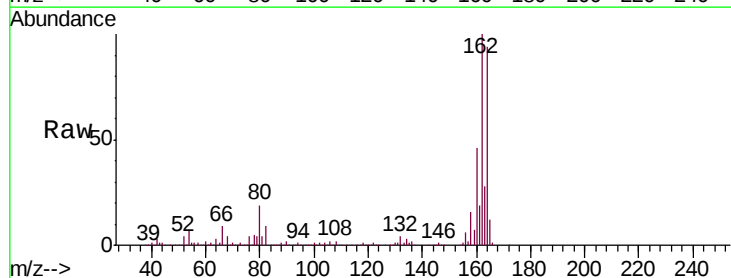


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

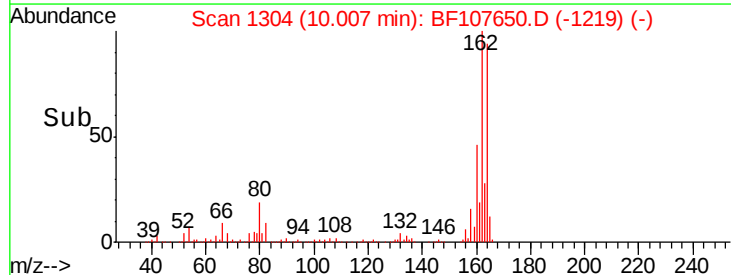
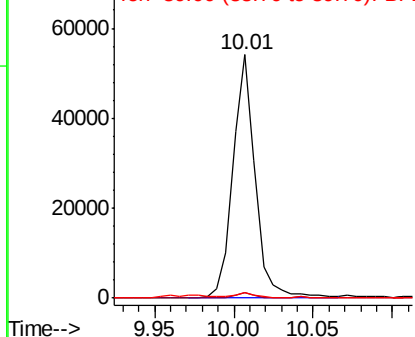


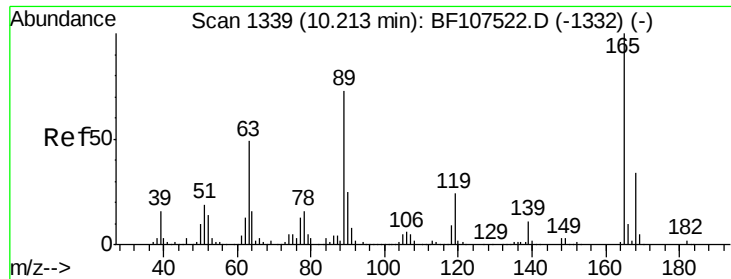
#50
 2,6-Dinitrotoluene
 Concen: 8.340 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107650.D
 Acq: 25 Jul 2018 12:11

Tgt Ion:165 Resp: 53027
 Ion Ratio Lower Upper
 165 100
 63 2.2 44.7 67.1#
 89 2.1 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

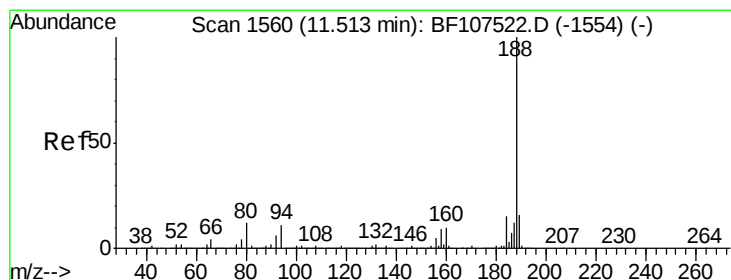
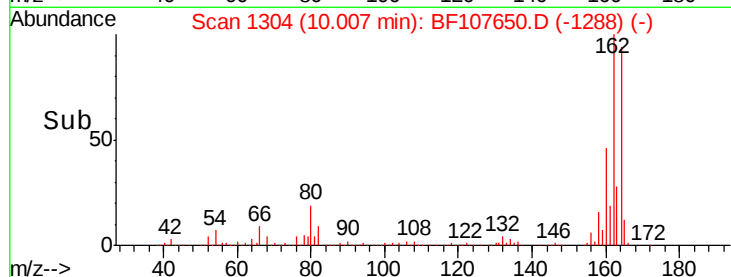
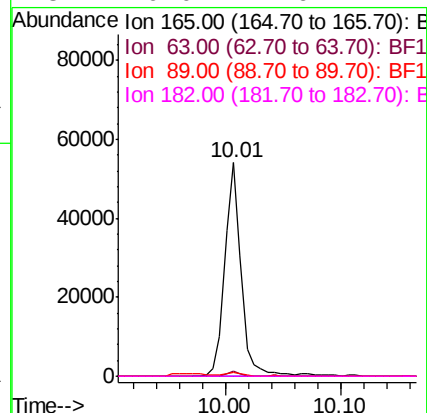
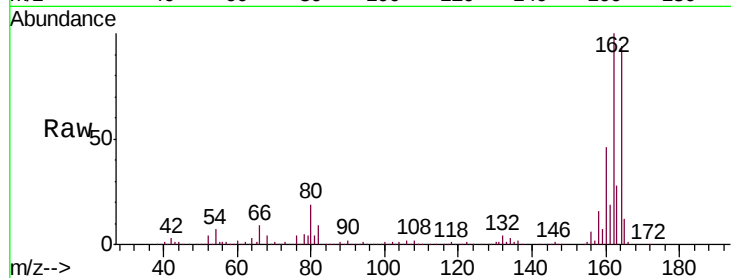




#56
 2,4-Dinitrotoluene
 Concen: 7.002 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107650.D
 Acq: 25 Jul 2018 12:11

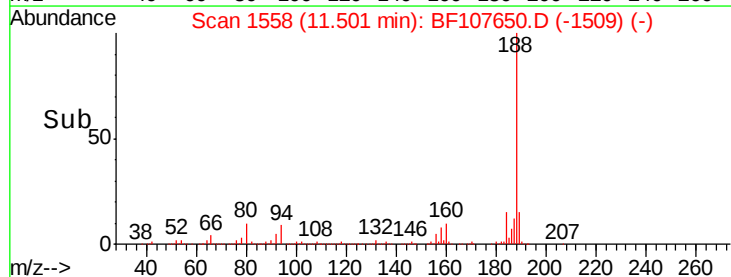
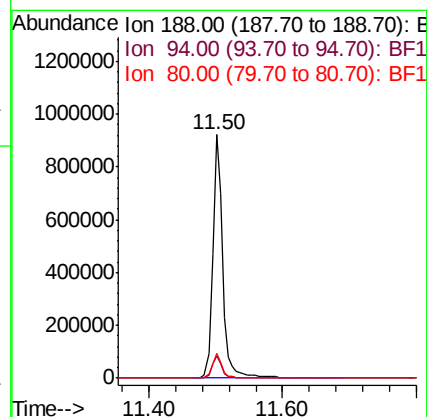
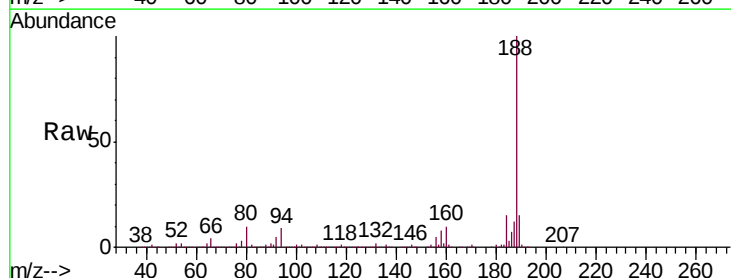
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

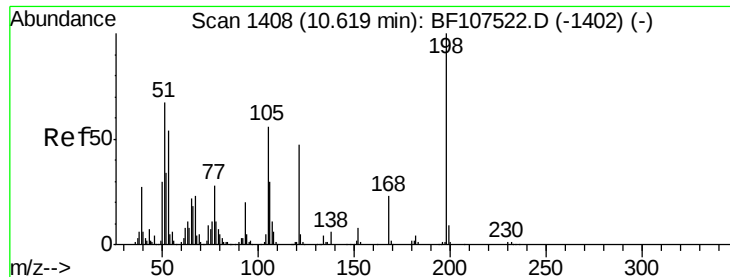
Tgt Ion:	165	Resp:	53736
Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107650.D
 Acq: 25 Jul 2018 12:11

Tgt Ion:	188	Resp:	956047
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.907 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

Instrument :

BNA_F

ClientSampleId :

TP-1

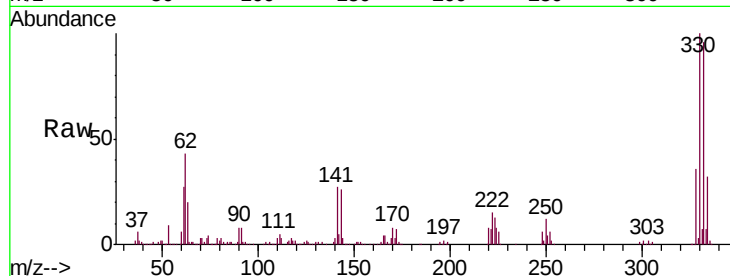
Tgt Ion:198 Resp: 1274

Ion Ratio Lower Upper

198 100

51 171.9 37.7 77.7#

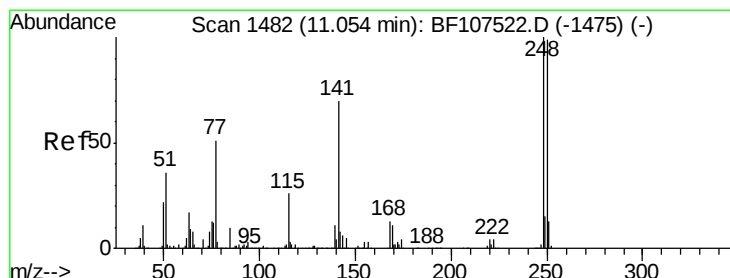
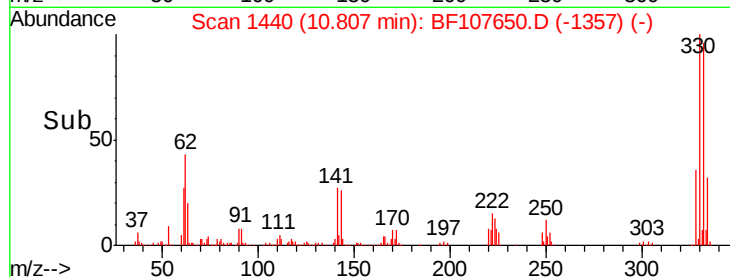
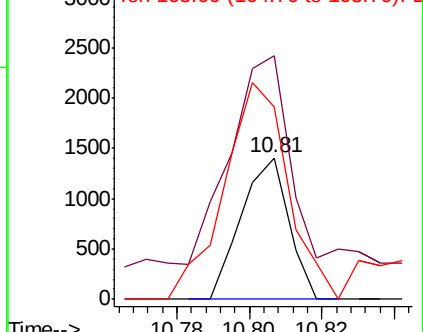
105 135.6 36.3 76.3#



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: 3.794 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF107650.D

Acq: 25 Jul 2018 12:11

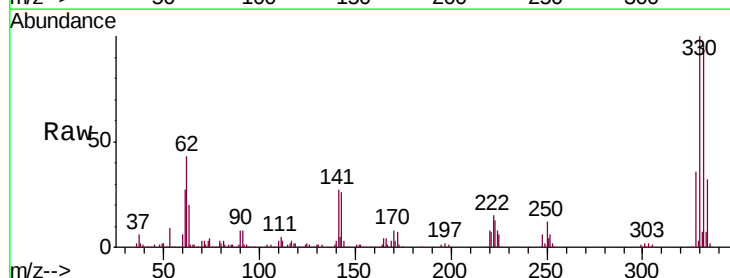
Tgt Ion:248 Resp: 42698

Ion Ratio Lower Upper

248 100

250 203.7 76.9 115.3#

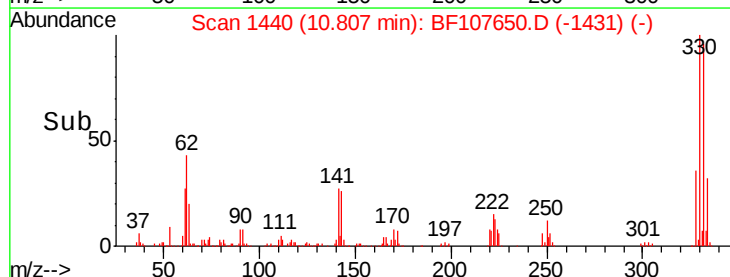
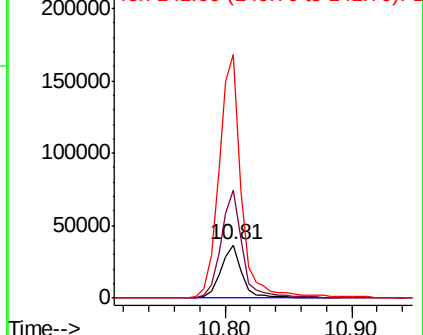
141 459.8 74.4 111.6#

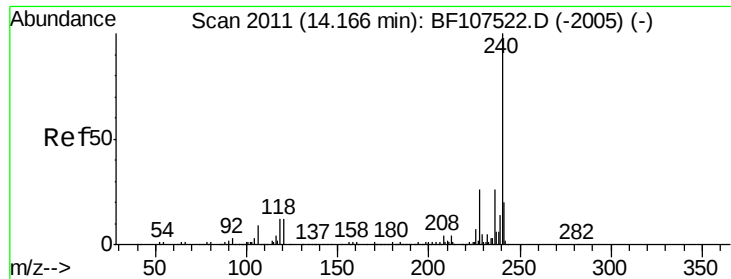


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

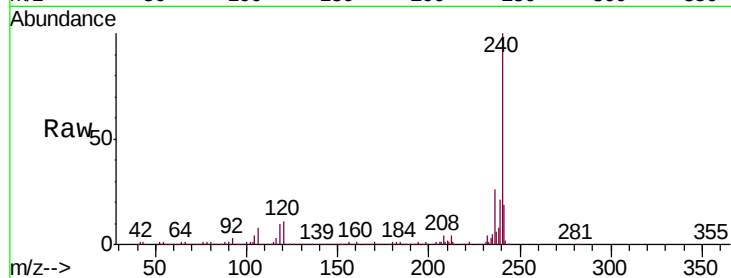




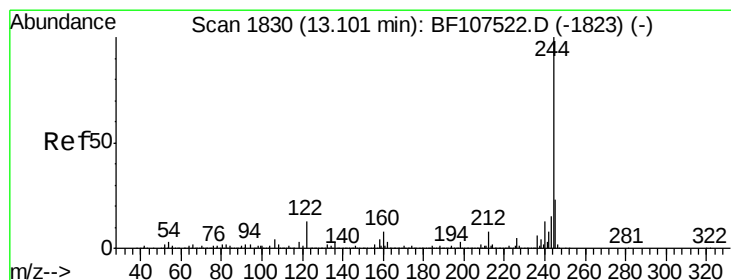
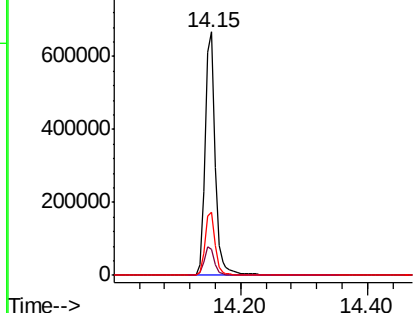
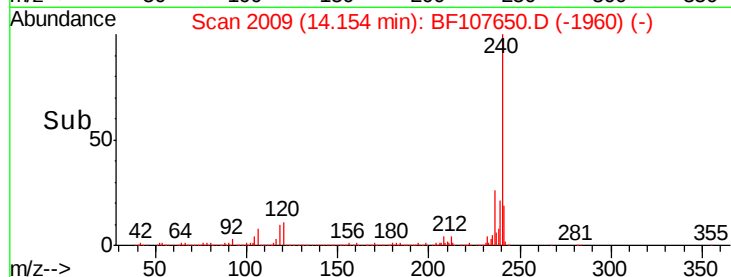
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:240 Resp: 723273
Ion Ratio Lower Upper
240 100
120 10.6 9.5 14.3
236 25.9 20.7 31.1

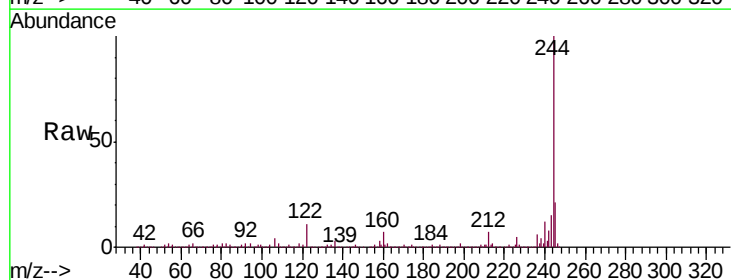


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

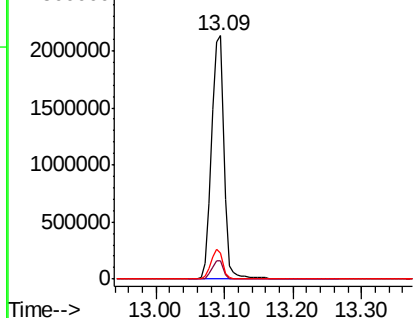
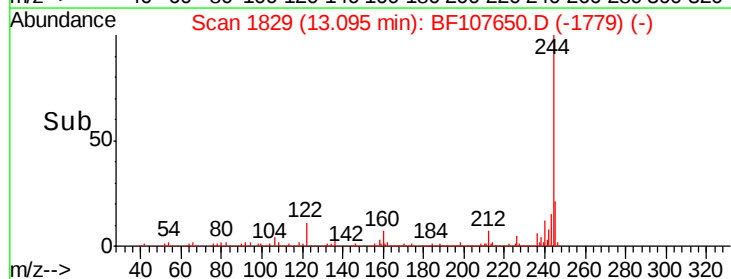


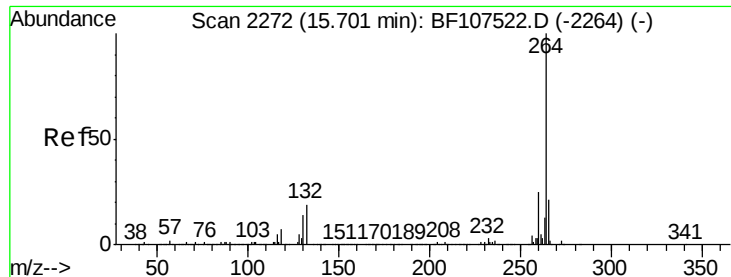
#78
Terphenyl-d14
Concen: 95.197 ng
RT: 13.09 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Tgt Ion:244 Resp: 2689482
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 10.7 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
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107650.D
Acq: 25 Jul 2018 12:11

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 264 Resp: 216647
Ion Ratio Lower Upper
264 100
260 29.6 19.2 28.8#
265 21.5 17.5 26.3

