

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107651.D
 Acq On : 25 Jul 2018 12:38
 Operator : JU/SJ
 Sample : J4101-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jul 25 14:14:53 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	242506	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	957928	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	441013	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	933543	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	740850	20.00	ng	-0.01
86) Perylene-d12	15.68	264	598001	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	1647288	109.21	ng	0.01
7) Phenol-d6	6.61	99	1878626	103.73	ng	0.00
23) Nitrobenzene-d5	7.53	82	1454957	102.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	749099	149.37	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	2550014	105.77	ng	-0.01
78) Terphenyl-d14	13.09	244	2774855	95.89	ng	0.00

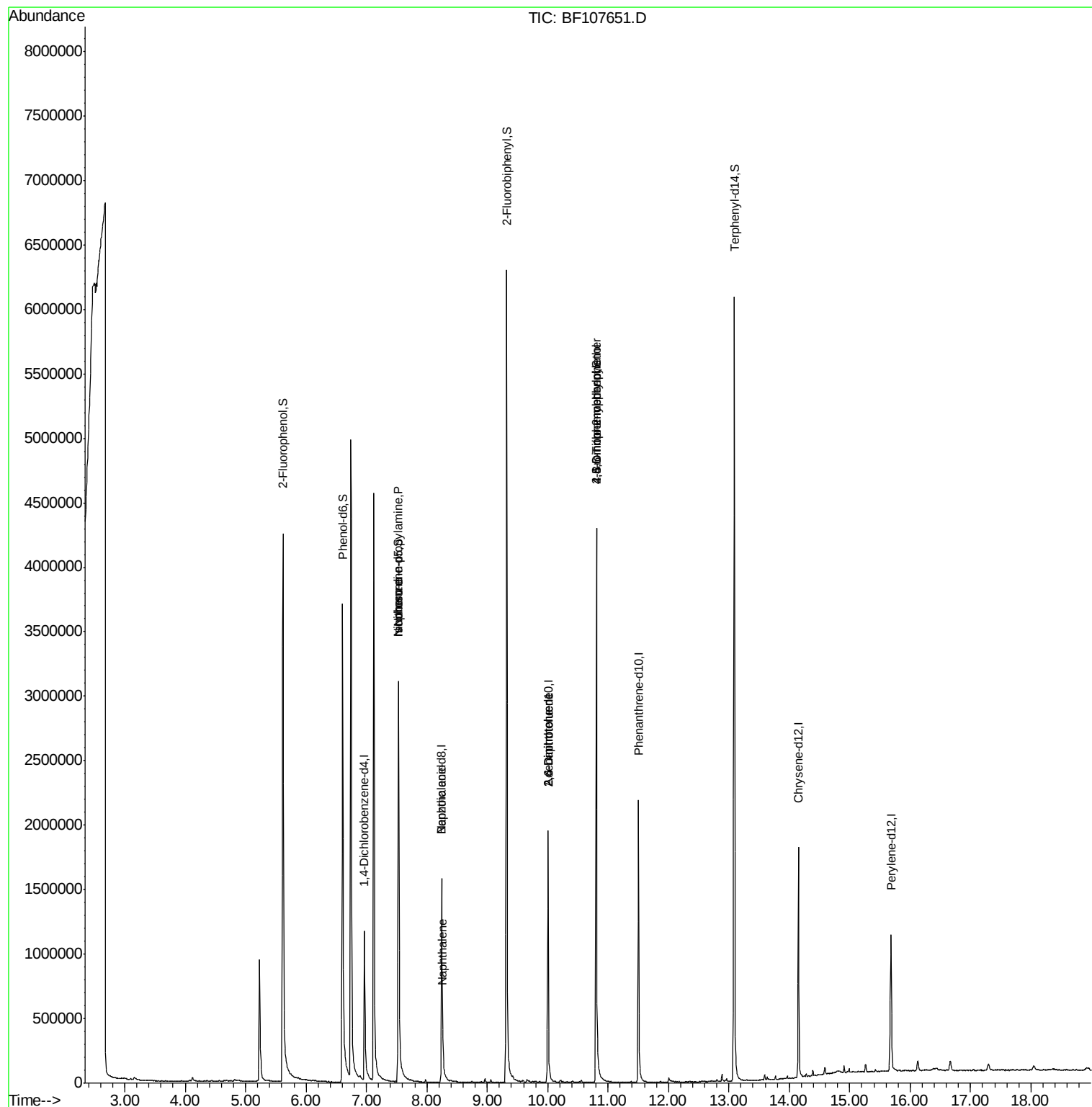
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	2462	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	196332	16.781	ng	# 77
25) Isophorone	7.53	82	1454948	48.007	ng	# 64
31) Naphthalene	8.27	128	117821	2.797	ng	# 97
32) Benzoic acid	8.24	122	136	7.912	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	55743	8.447	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	56497	7.093	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	1221	8.903	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	45056	4.100	ng	# 1
73) Di-n-butylphthalate	12.05	149	3007	Below Cal	#	87

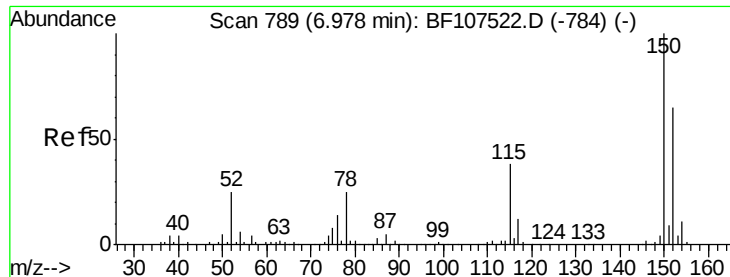
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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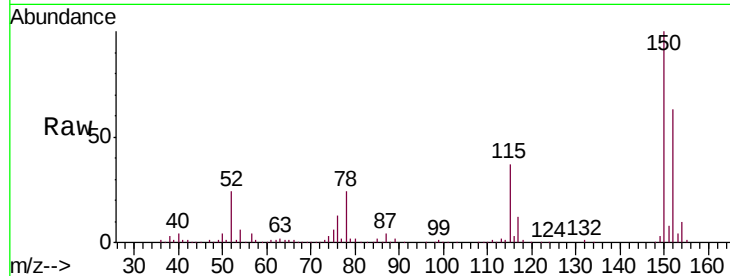


#1

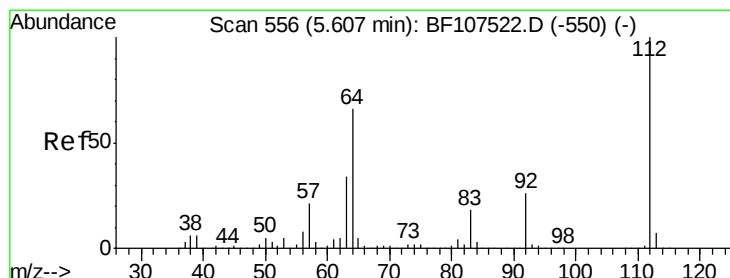
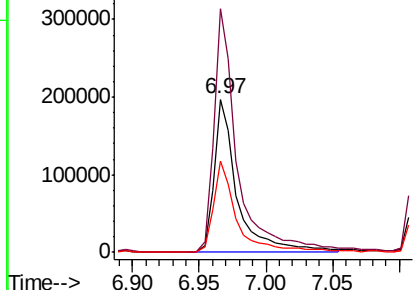
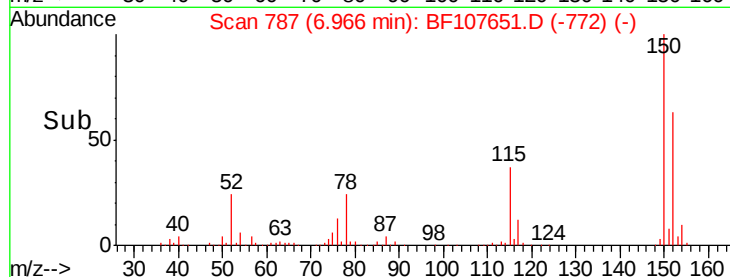
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Instrument :
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Tgt Ion:152 Resp: 242506
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 59.3 50.1 75.1



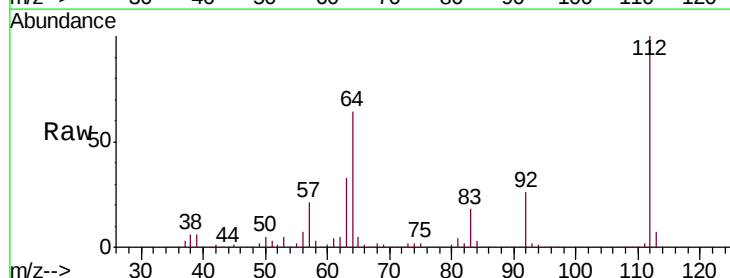
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



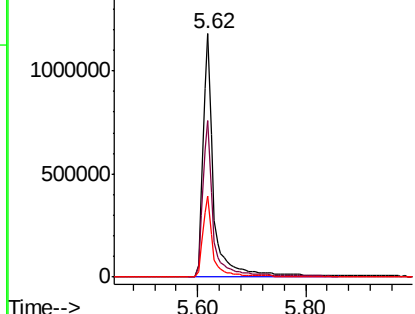
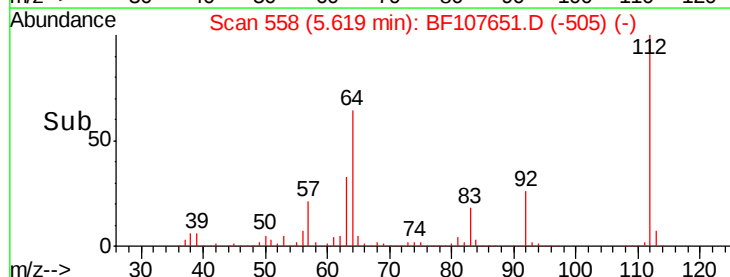
#5

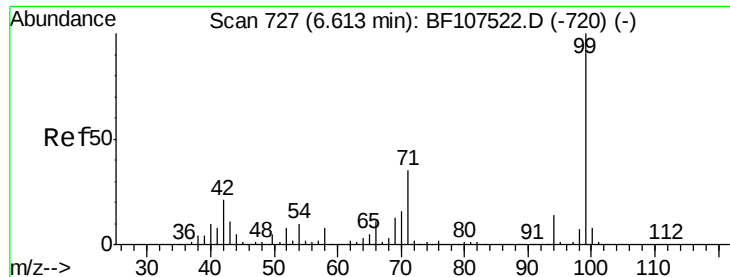
2-Fluorophenol
Concen: 109.215 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Tgt Ion:112 Resp: 1647288
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 33.1 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: 103.730 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107651.D

Acq: 25 Jul 2018 12:38

Instrument :

BNA_F

ClientSampleId :

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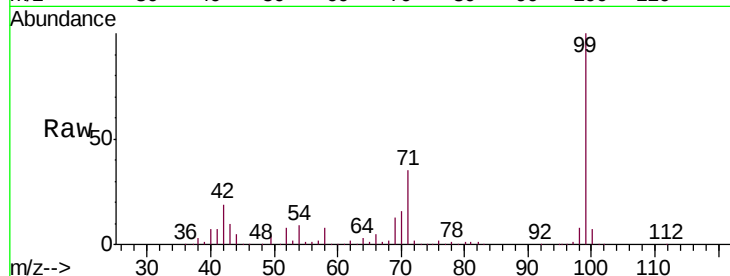
Tgt Ion: 99 Resp: 1878626

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

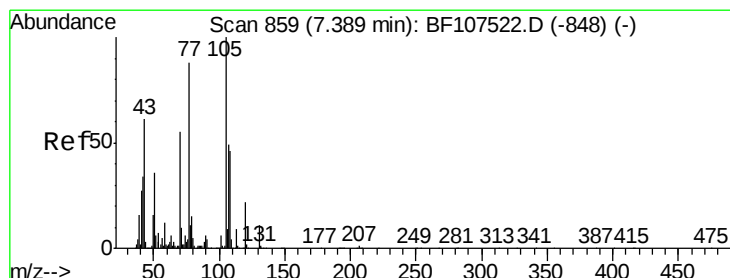
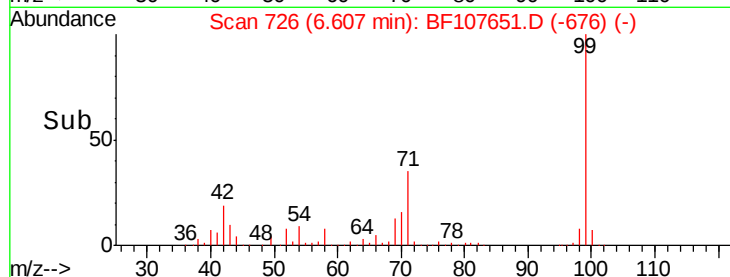
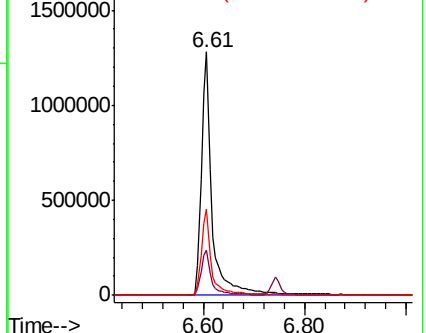
71 35.4 25.4 38.0



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: 16.781 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107651.D

Acq: 25 Jul 2018 12:38

Tgt Ion: 70 Resp: 196332

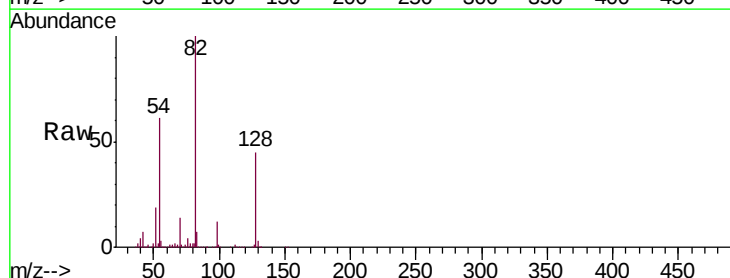
Ion Ratio Lower Upper

70 100

42 47.0 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

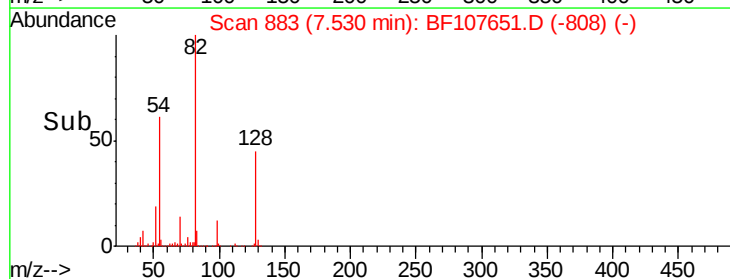
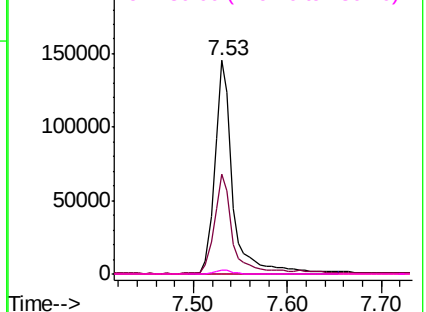


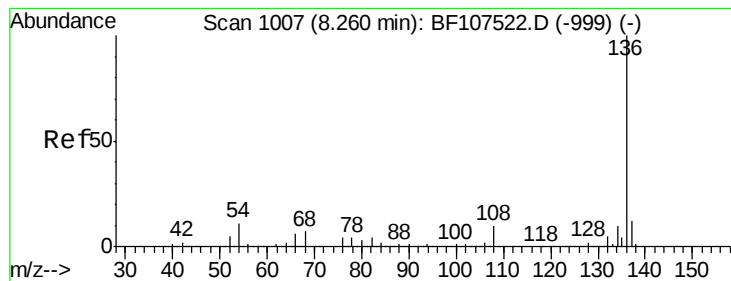
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

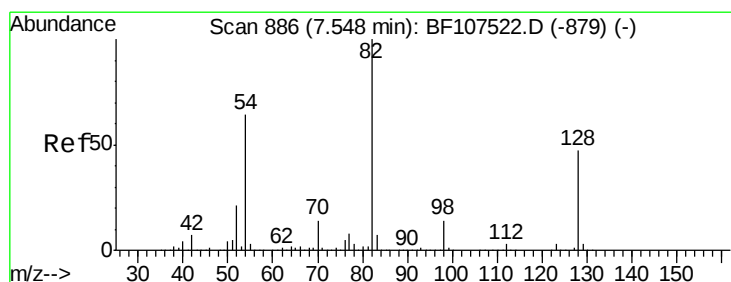
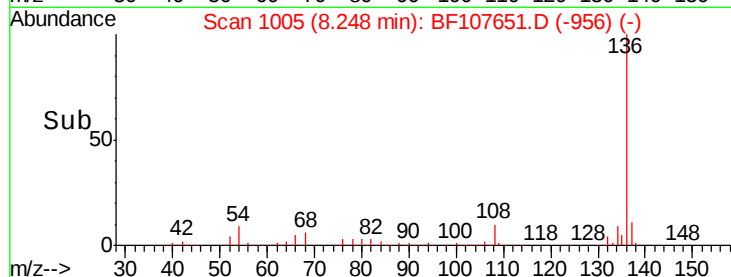
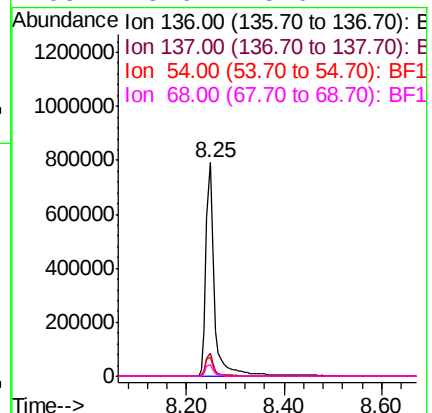
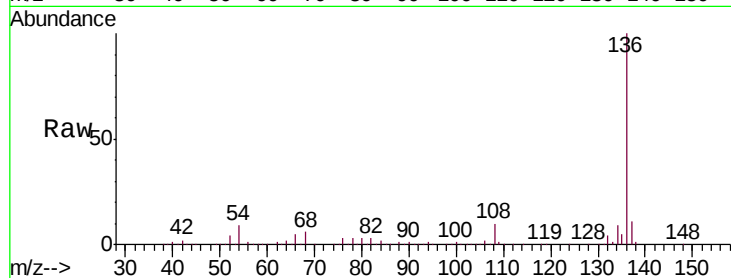




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

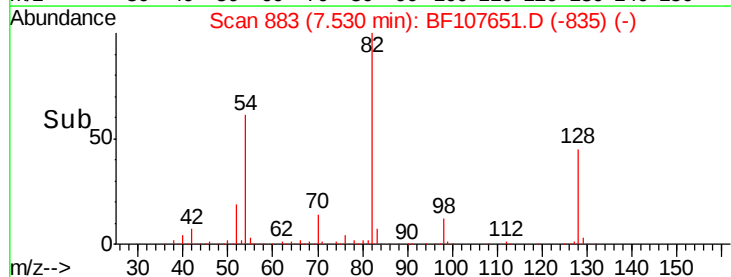
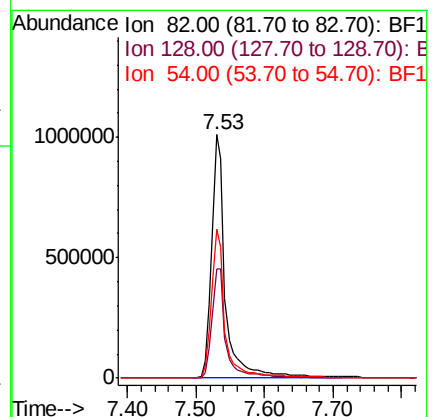
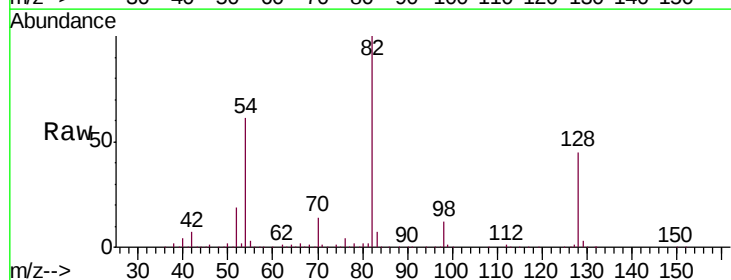
Instrument :
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Tgt Ion:	136	Resp:	957928
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 102.504 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Tgt Ion:	82	Resp:	1454957
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	61.1	41.4	62.2





#25

Isophorone

Concen: 48.007 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107651.D

Acq: 25 Jul 2018 12:38

Instrument :

BNA_F

ClientSampleId :

TP-2

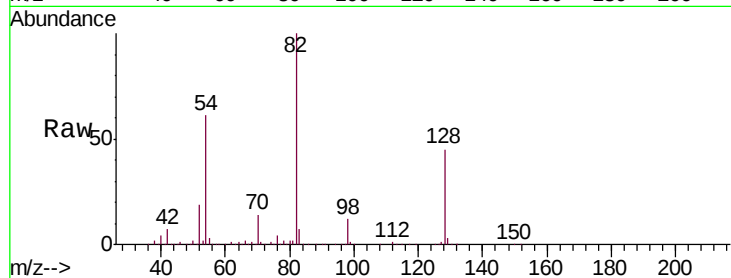
Tgt Ion: 82 Resp: 1454948

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

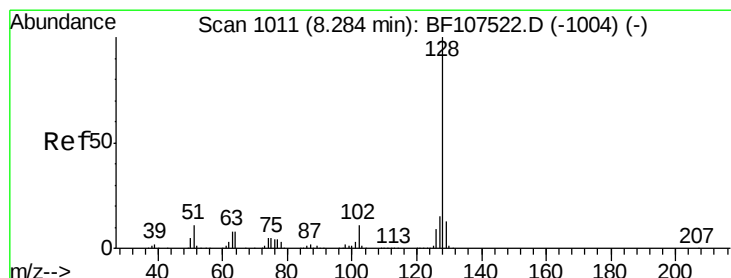
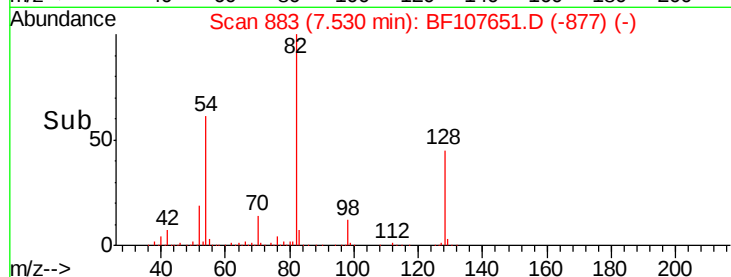
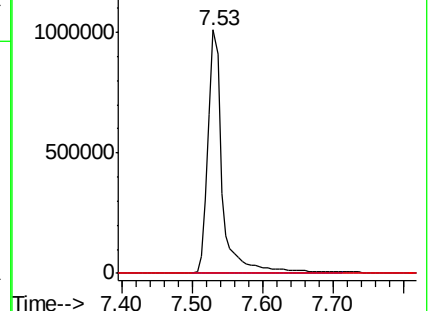
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.797 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF107651.D

Acq: 25 Jul 2018 12:38

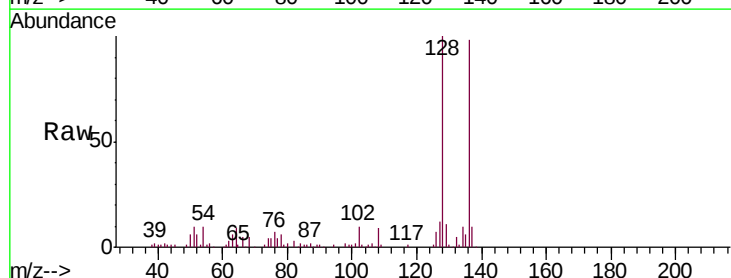
Tgt Ion: 128 Resp: 117821

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

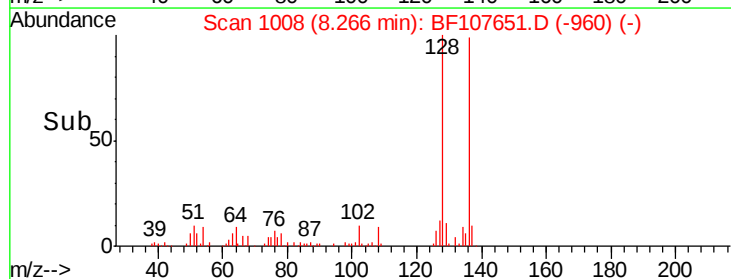
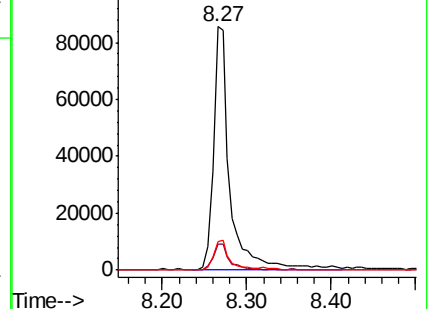
127 11.8 10.9 16.3

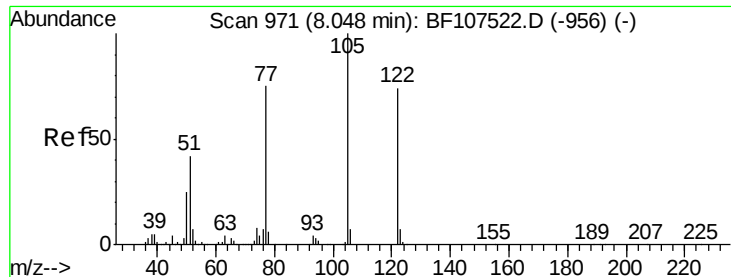


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

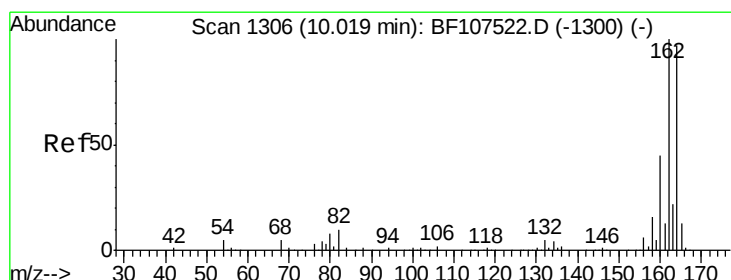
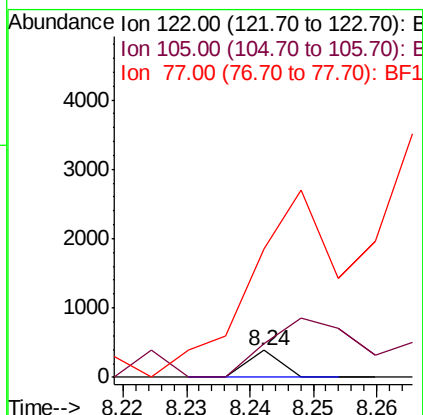
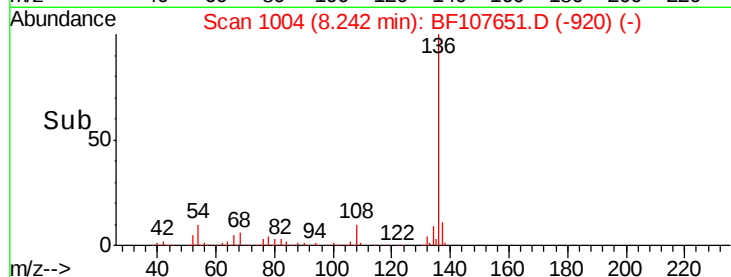
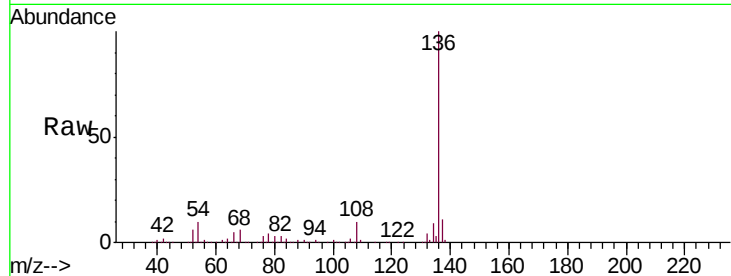




#32
Benzoic acid
Concen: 7.912 ng
RT: 8.24 min Scan# 1004
Delta R.T. 0.19 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

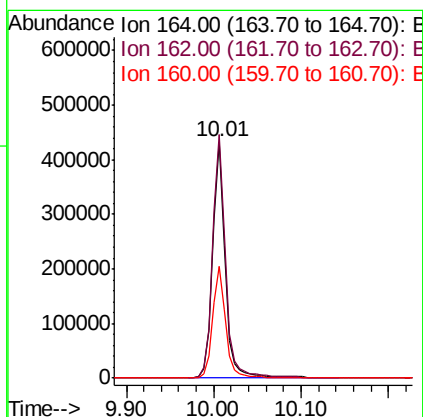
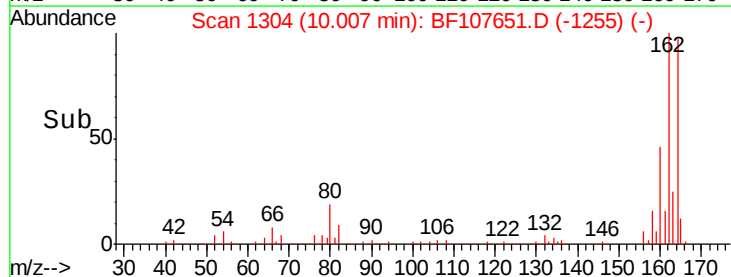
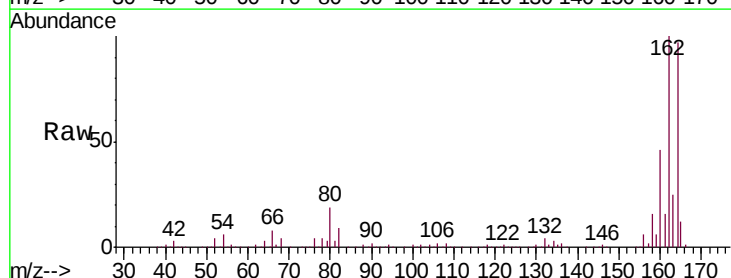
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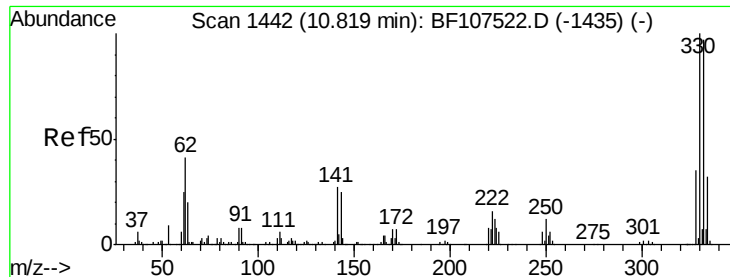
Tgt Ion:122 Resp: 136
Ion Ratio Lower Upper
122 100
105 124.9 101.1 141.1
77 480.1 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Tgt Ion:164 Resp: 441013
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 47.2 38.3 57.5

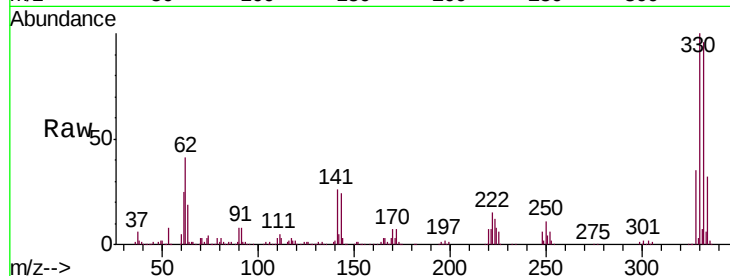




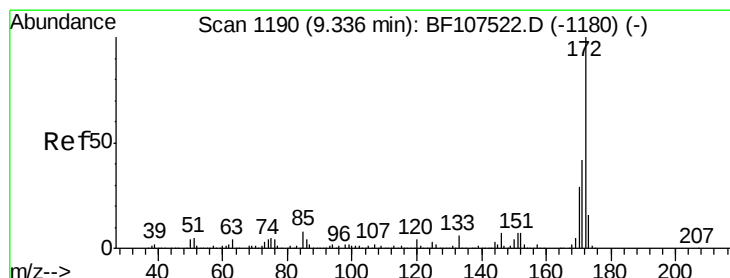
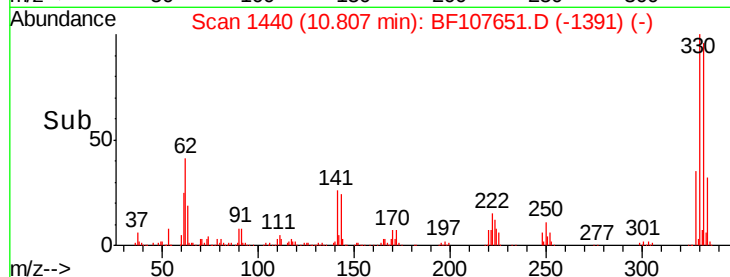
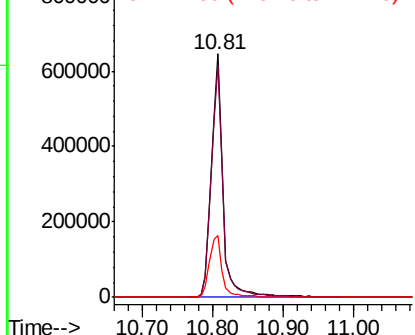
#41
 2,4,6-Tribromophenol
 Concen: 149.371 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107651.D
 Acq: 25 Jul 2018 12:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:330 Resp: 749099
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 28.0 29.9 44.9#

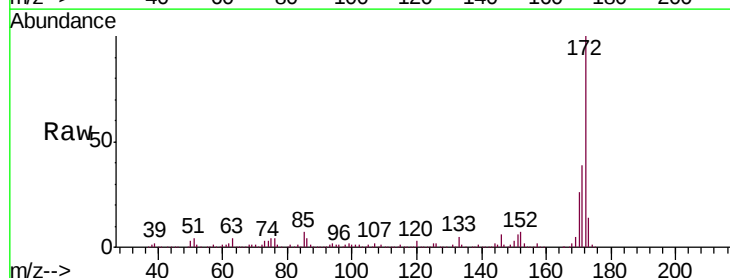


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

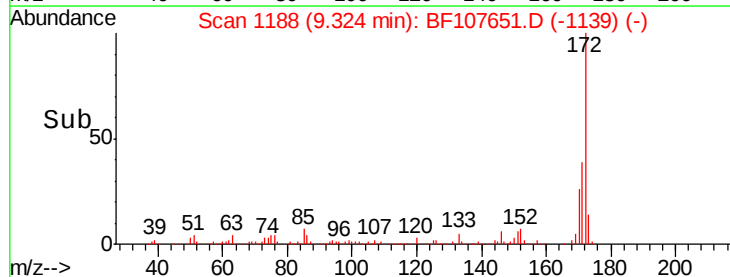
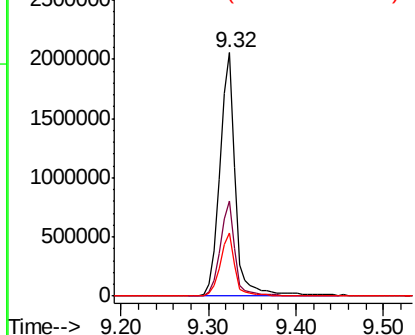


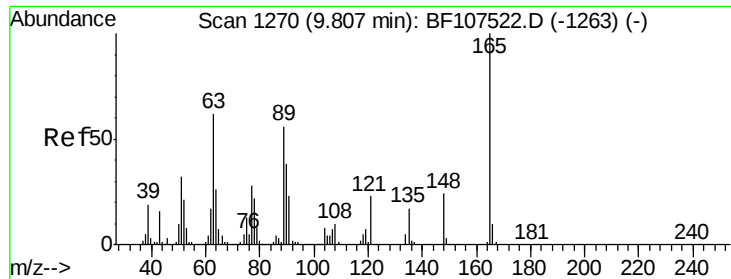
#44
 2-Fluorobiphenyl
 Concen: 105.769 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107651.D
 Acq: 25 Jul 2018 12:38

Tgt Ion:172 Resp: 2550014
 Ion Ratio Lower Upper
 172 100
 171 39.2 29.7 44.5
 170 26.0 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

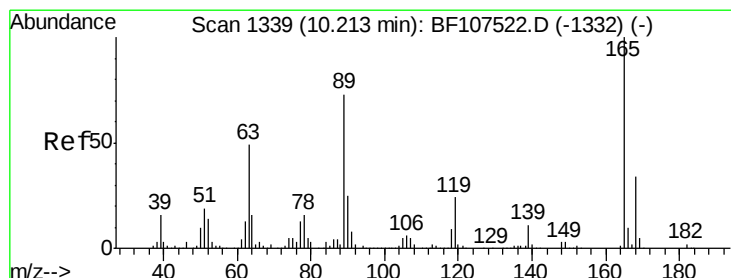
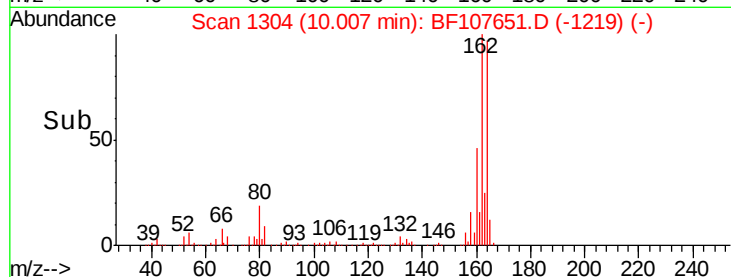
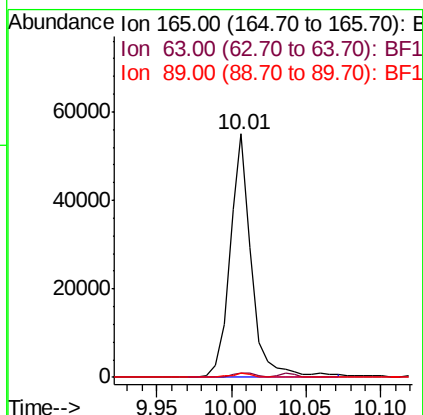
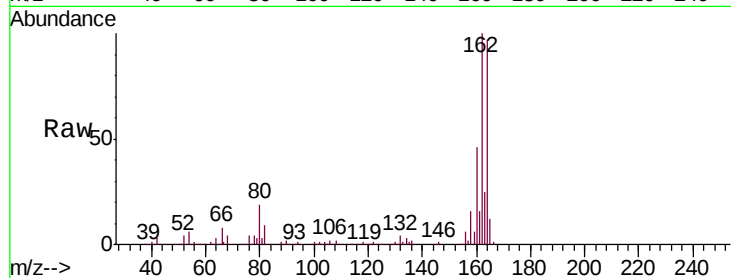




#50
 2,6-Dinitrotoluene
 Concen: 8.447 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107651.D
 Acq: 25 Jul 2018 12:38

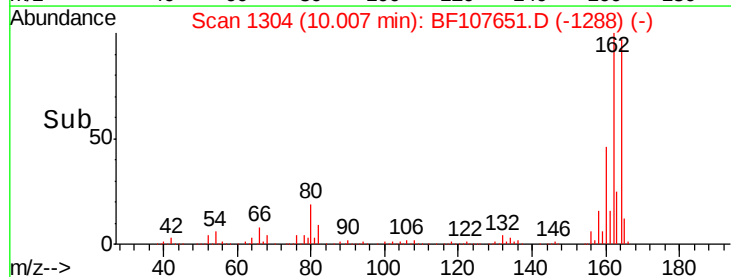
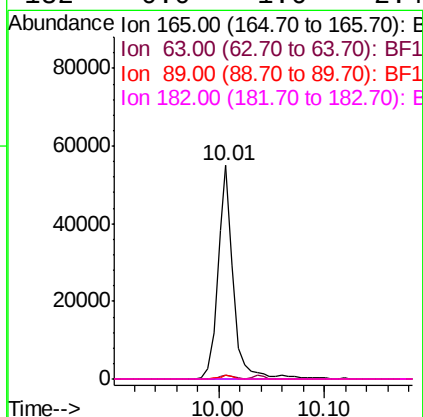
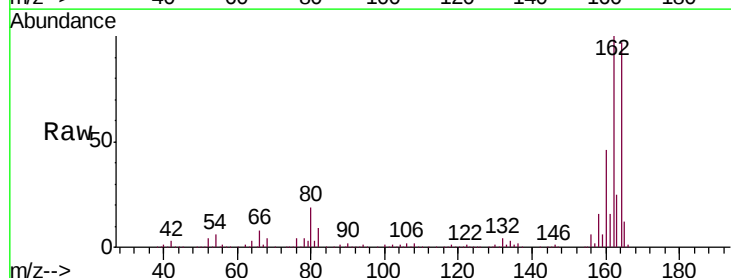
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

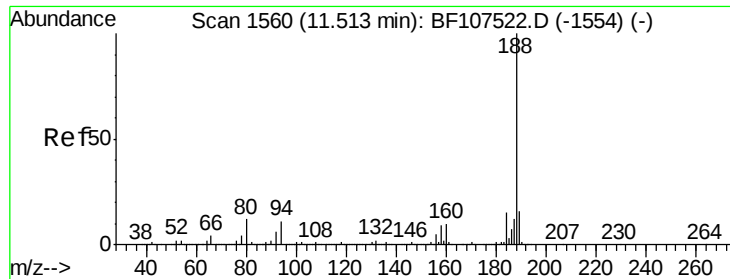
Tgt Ion:165 Resp: 55743
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.6 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.093 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107651.D
 Acq: 25 Jul 2018 12:38

Tgt Ion:165 Resp: 56497
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

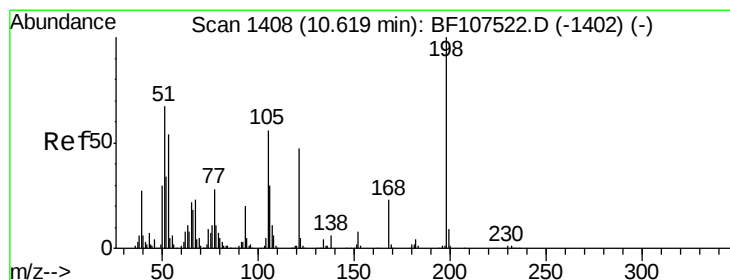
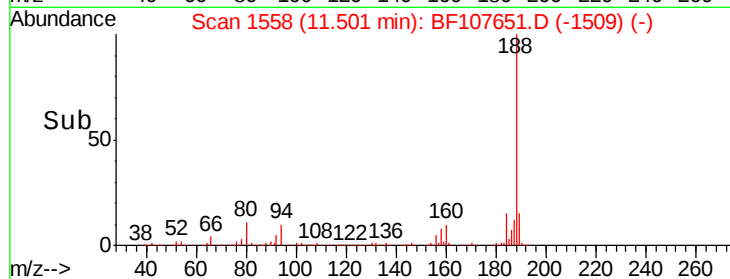
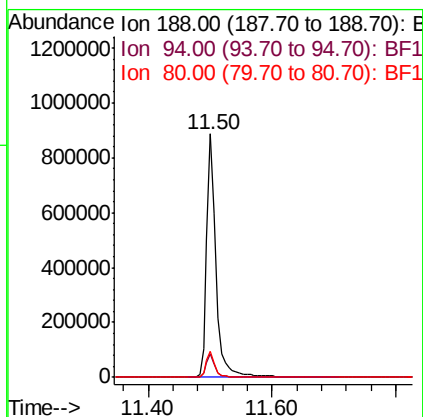
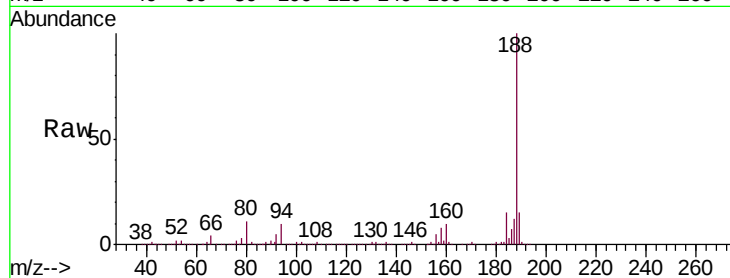




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

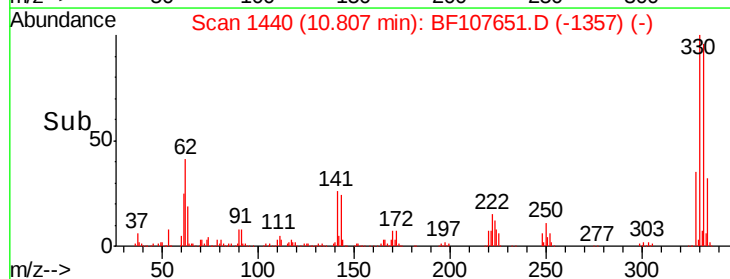
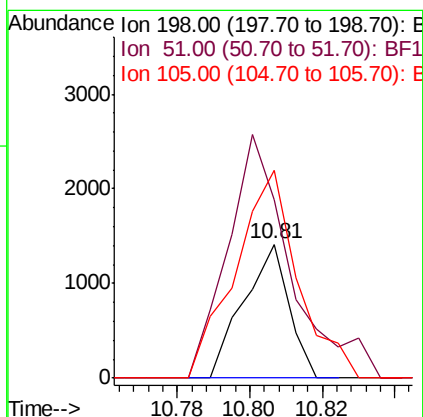
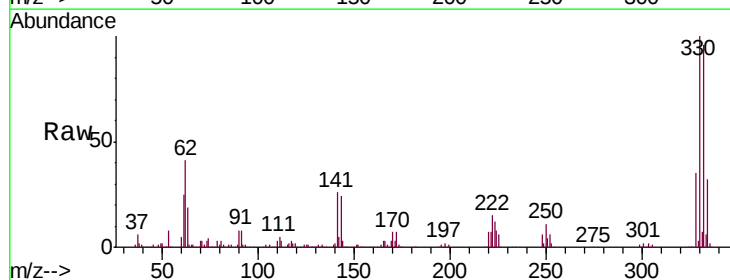
Instrument :
BNA_F
ClientSampled :
TP-2

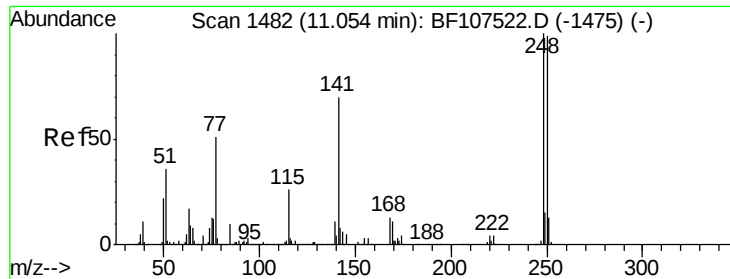
Tgt Ion:188 Resp: 933543
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.903 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.19 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Tgt Ion:198 Resp: 1221
Ion Ratio Lower Upper
198 100
51 133.5 37.7 77.7#
105 155.0 36.3 76.3#

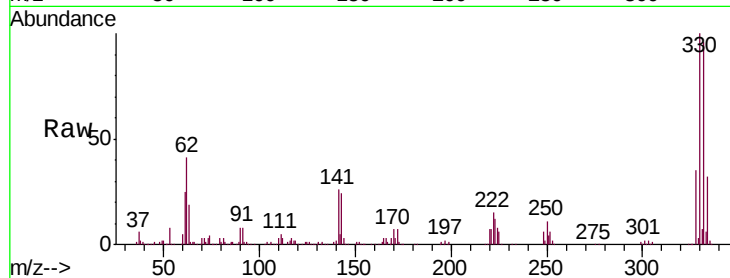




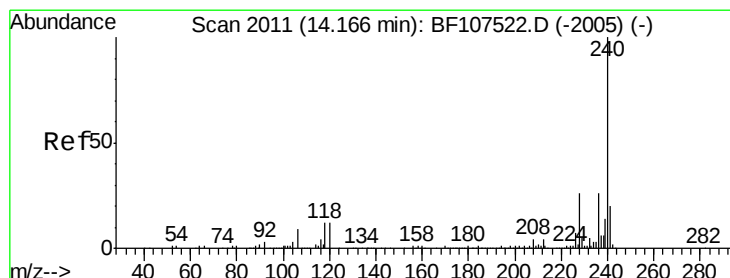
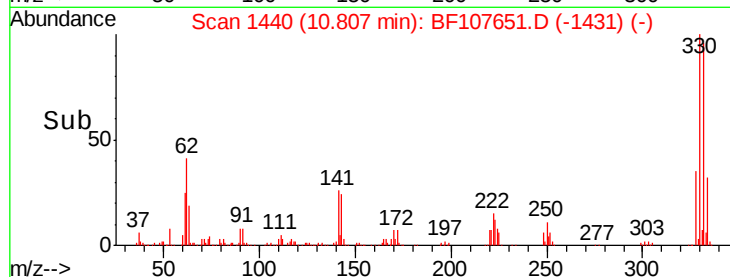
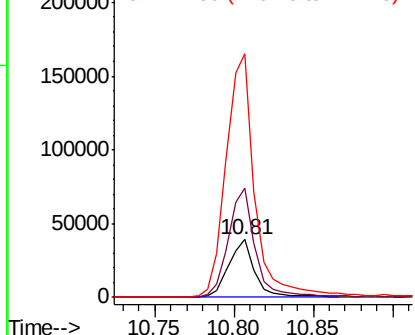
#66
4-Bromophenyl-phenylether
Concen: 4.100 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:248 Resp: 45056
Ion Ratio Lower Upper
248 100
250 188.3 76.9 115.3#
141 421.7 74.4 111.6#

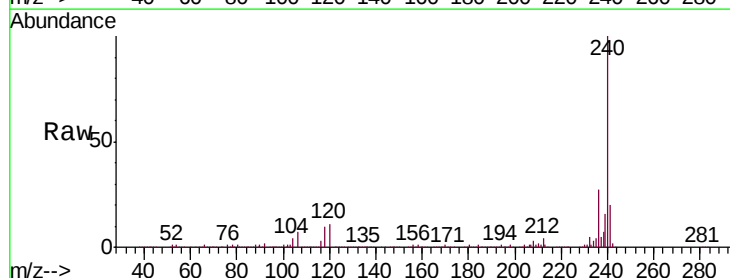


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

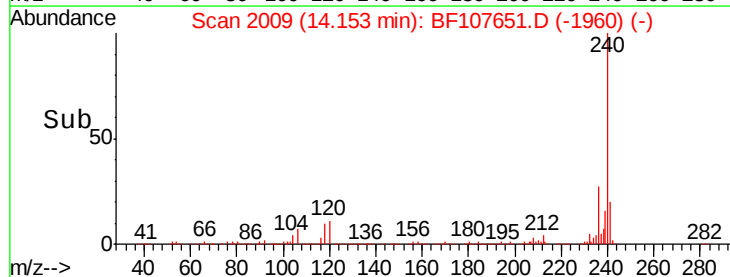
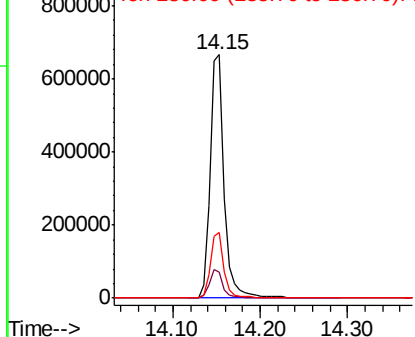


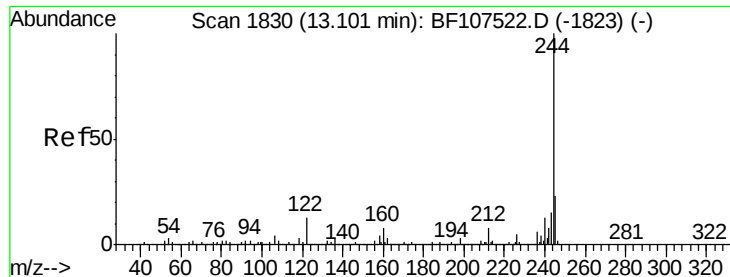
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107651.D
Acq: 25 Jul 2018 12:38

Tgt Ion:240 Resp: 740850
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 26.9 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: 95.888 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107651.D

Acq: 25 Jul 2018 12:38

Instrument :

BNA_F

ClientSampleId :

TP-2

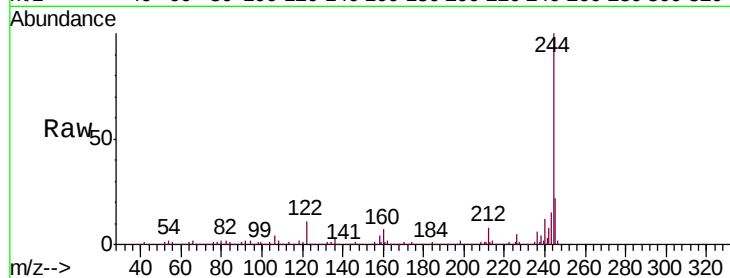
Tgt Ion:244 Resp: 2774855

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

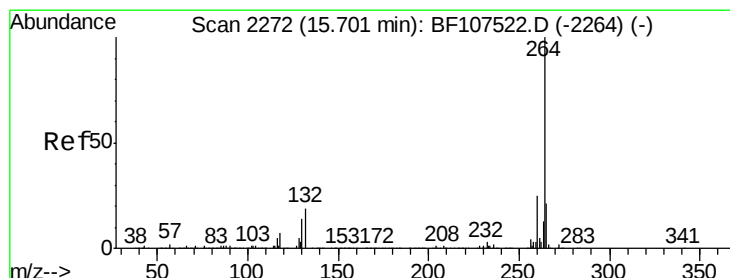
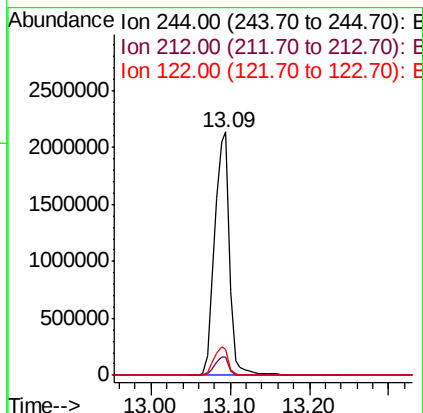
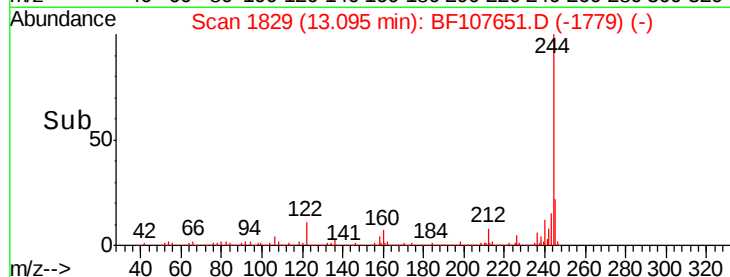
122 10.8 11.0 16.4#



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: BF107651.D

Acq: 25 Jul 2018 12:38

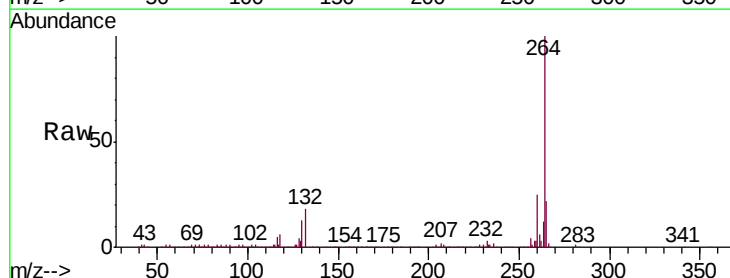
Tgt Ion:264 Resp: 598001

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

