

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107686.D
 Acq On : 26 Jul 2018 5:29
 Operator : JU/SJ
 Sample : J4133-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 07:53:48 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	190820	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	686094	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	261998	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	458890	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	382336	20.00	ng	-0.01
86) Perylene-d12	15.69	264	307482	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	410761	34.61	ng	-0.01
7) Phenol-d6	6.60	99	325366	22.83	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1144268	112.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	264401	88.75	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1959280	167.38	ng	-0.01
78) Terphenyl-d14	13.09	244	1316164	88.13	ng	-0.01

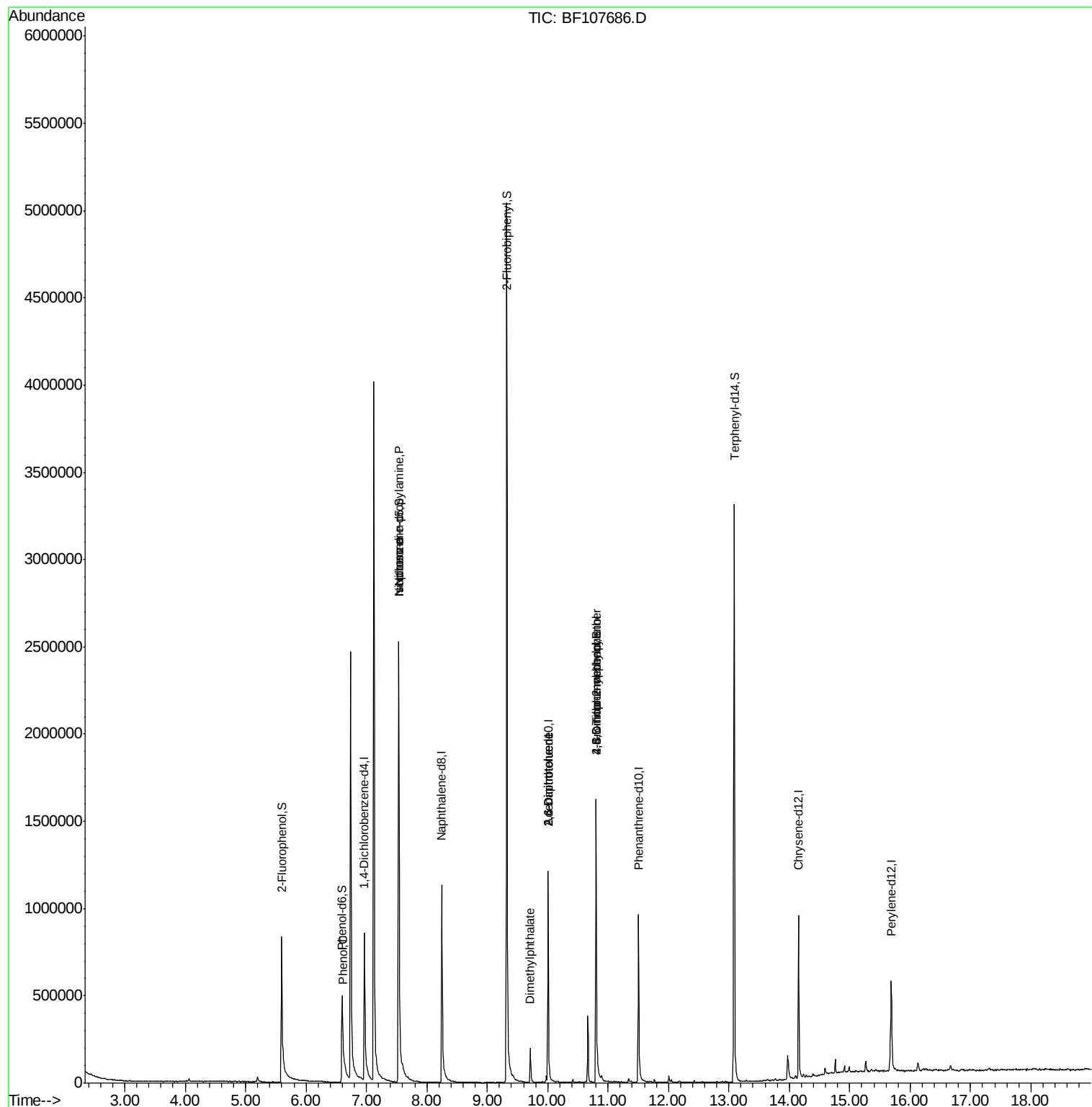
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	36798	2.196	ng	# 67
19) n-Nitroso-di-n-propylamine	7.54	70	148103	16.087	ng	# 76
25) Isophorone	7.54	82	1144268	52.715	ng	# 64
49) Dimethylphthalate	9.71	163	95816	4.852	ng	100
50) 2,6-Dinitrotoluene	10.01	165	32525	8.296	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	32781	6.927	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	466	8.853	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15174	2.809	ng	# 1
73) Di-n-butylphthalate	12.05	149	6912	Below Cal		98

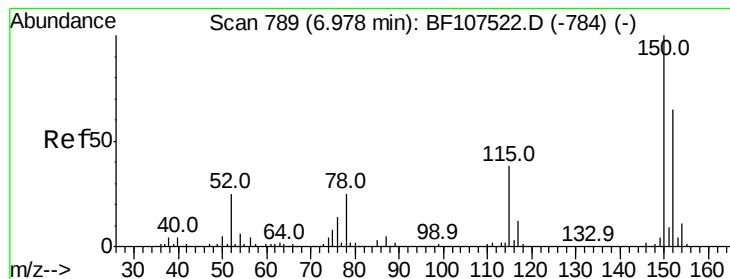
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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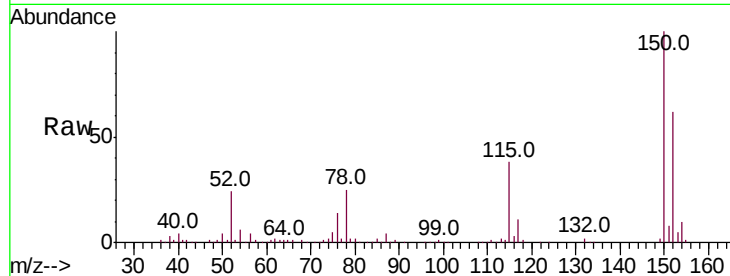


#1

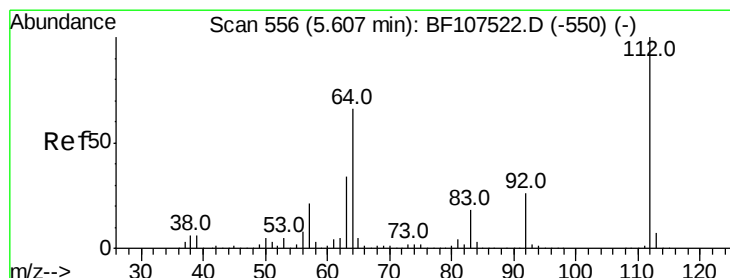
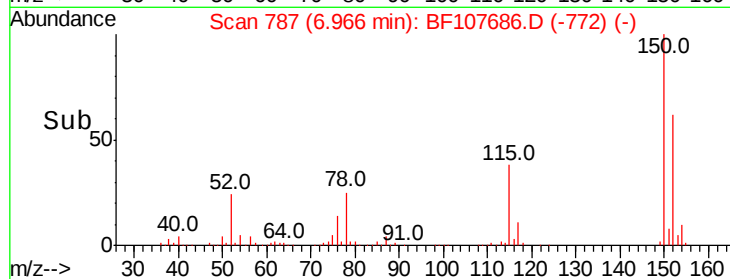
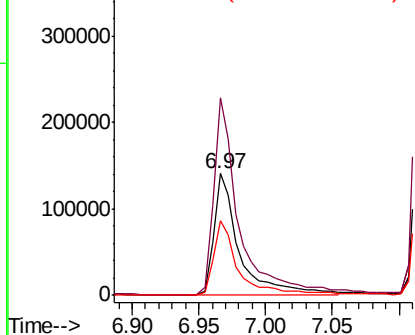
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	124.6	186.8
115	60.9	50.1	75.1



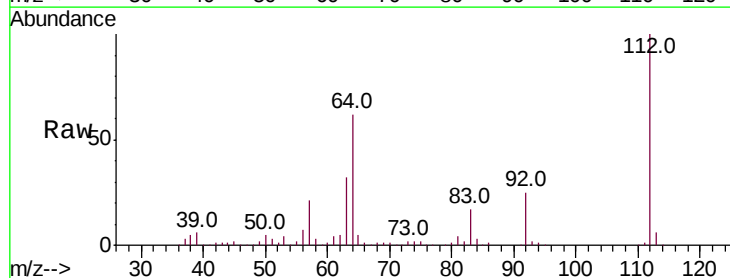
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



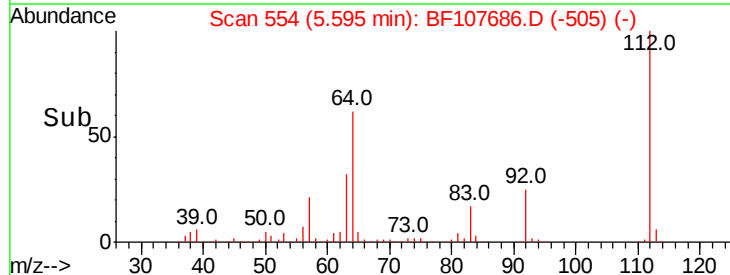
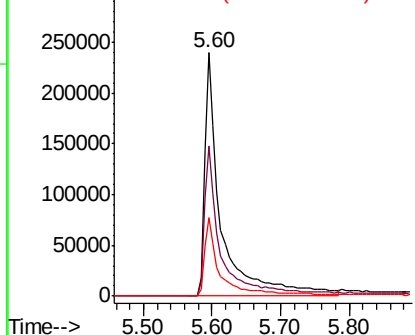
#5

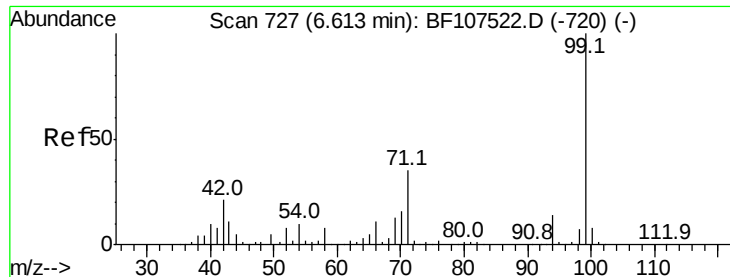
2-Fluorophenol
 Concen: 34.610 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	32.5	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: 22.831 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

Instrument :

BNA_F

ClientSampleId :

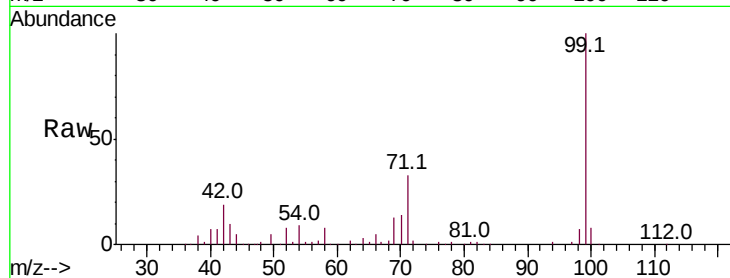
Tot Ion: 99 Resp: 325366

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	33.4	25.4	38.0

99 100

42 19.0 14.5 21.7

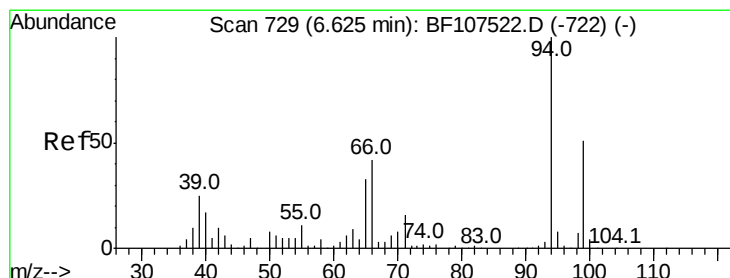
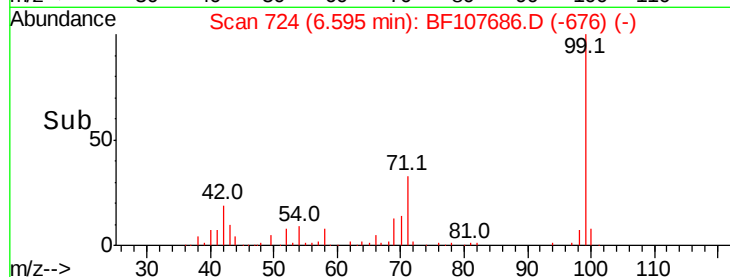
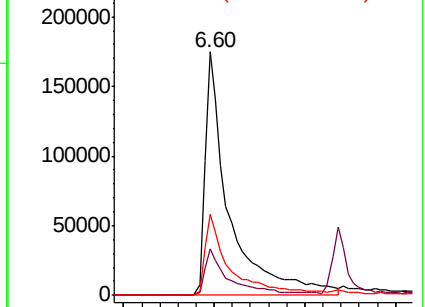
71 33.4 25.4 38.0



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



#10

Phenol

Concen: 2.196 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

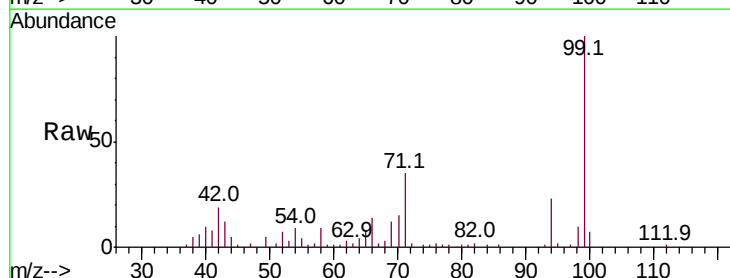
Tgt Ion: 94 Resp: 36798

Ion	Ratio	Lower	Upper
94	100		
65	37.4	7.9	47.9
66	62.1	16.2	56.2

94 100

65 37.4 7.9 47.9

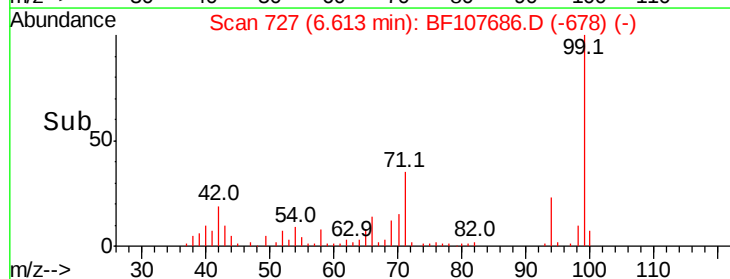
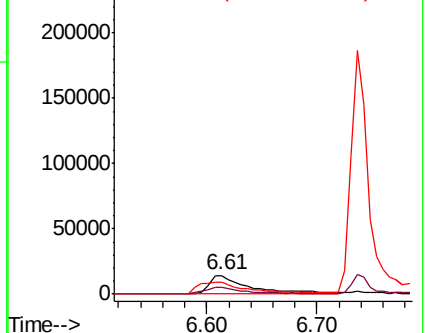
66 62.1 16.2 56.2

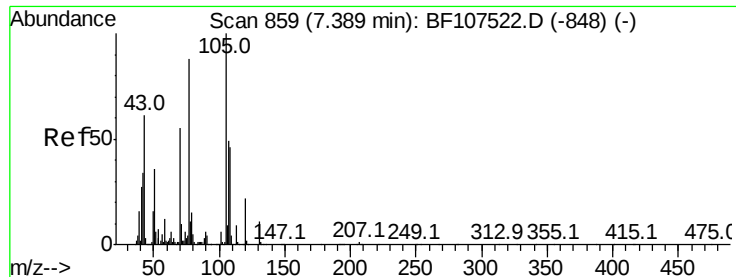


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 16.087 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 148103

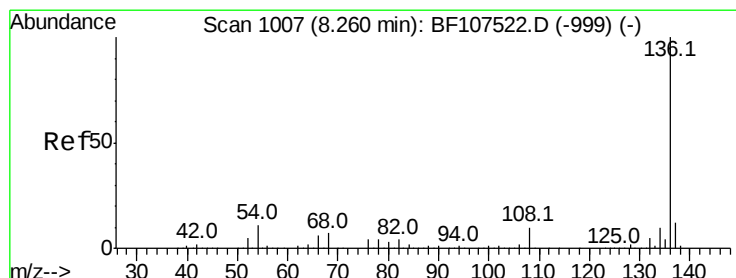
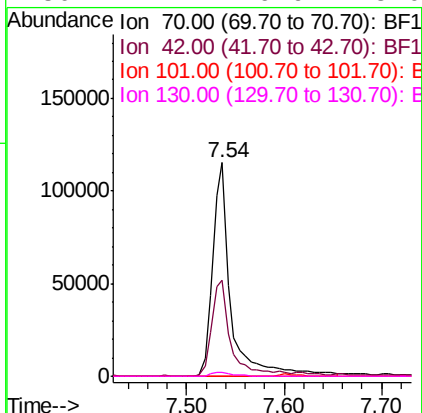
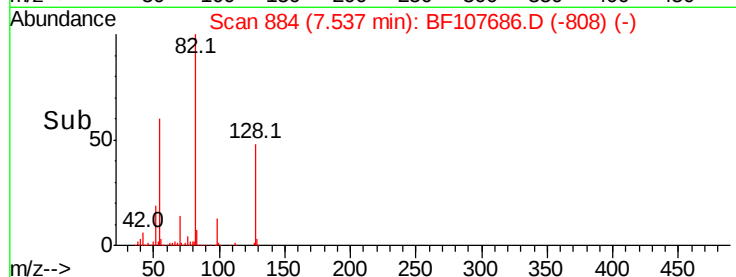
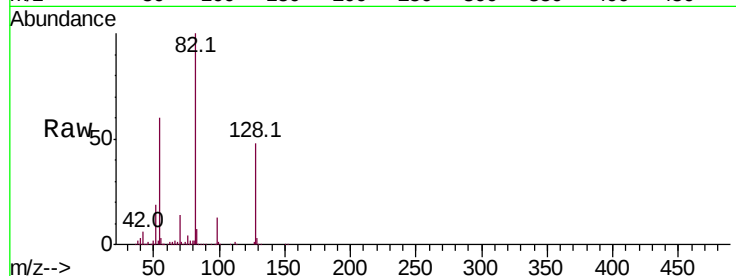
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

Tgt Ion: 136 Resp: 686094

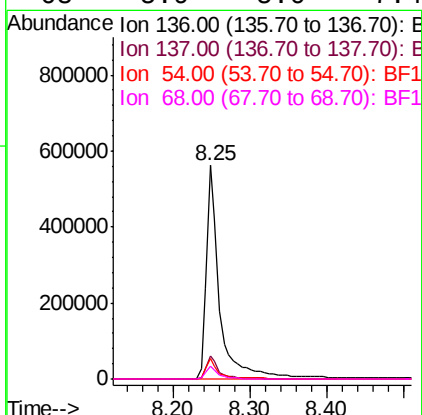
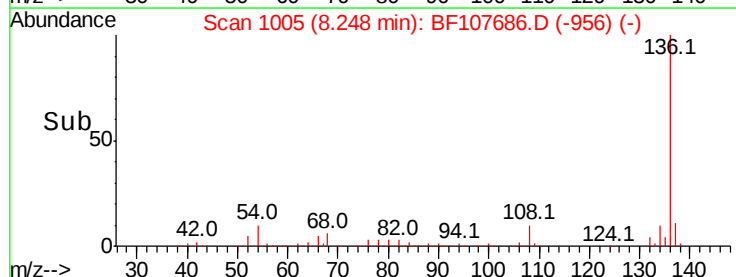
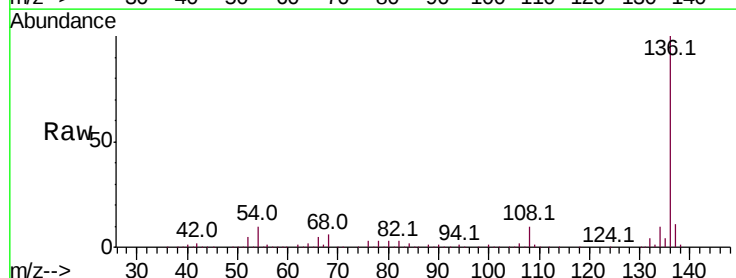
Ion Ratio Lower Upper

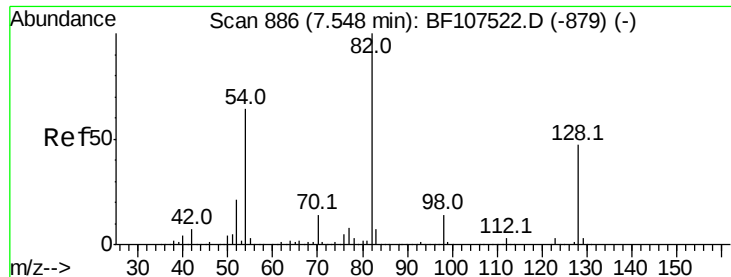
136 100

137 10.9 8.9 13.3

54 9.7 6.6 9.8

68 5.9 5.0 7.4

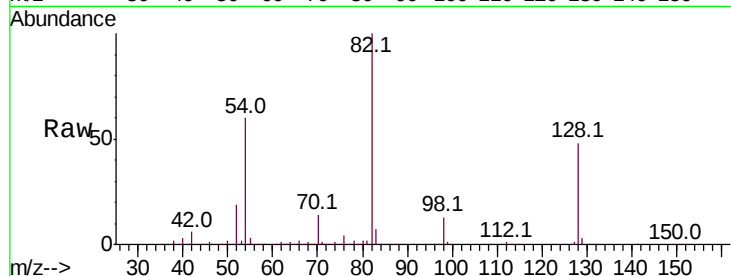




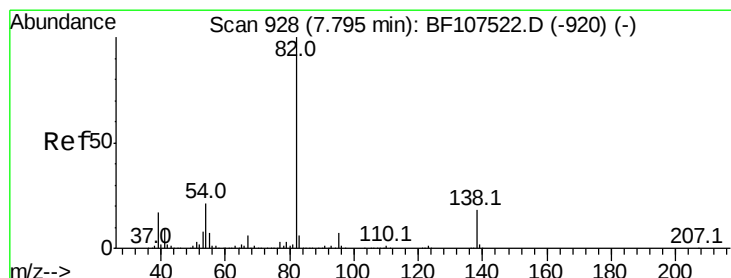
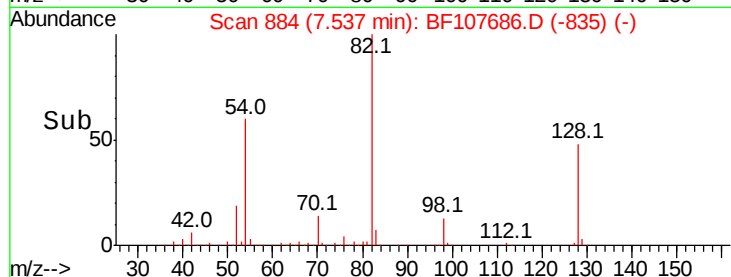
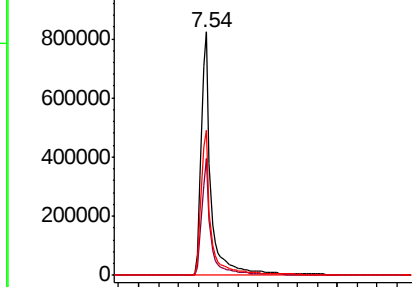
#23
Nitrobenzene-d5
Concen: 112.556 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107686.D
Acq: 26 Jul 2018 5:29

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1144268
Ion Ratio Lower Upper
82 100
128 48.0 36.1 54.1
54 59.8 41.4 62.2

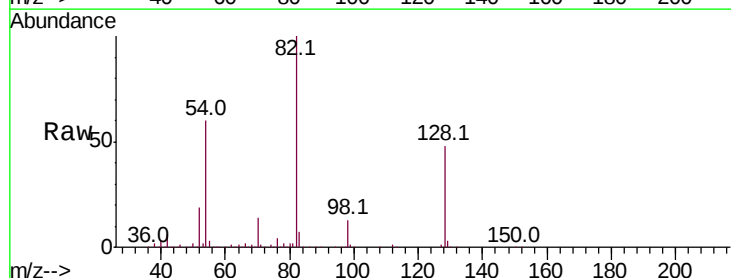


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

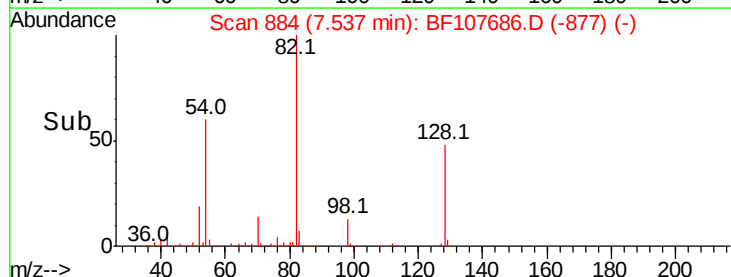
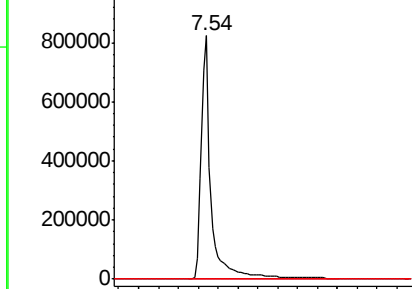


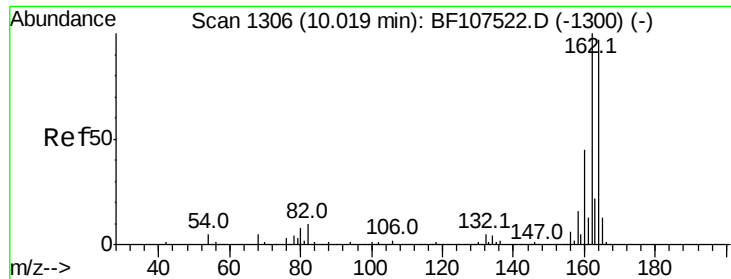
#25
Isophorone
Concen: 52.715 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107686.D
Acq: 26 Jul 2018 5:29

Tgt Ion: 82 Resp: 1144268
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

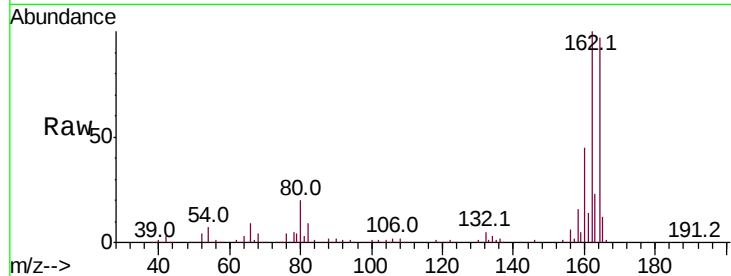




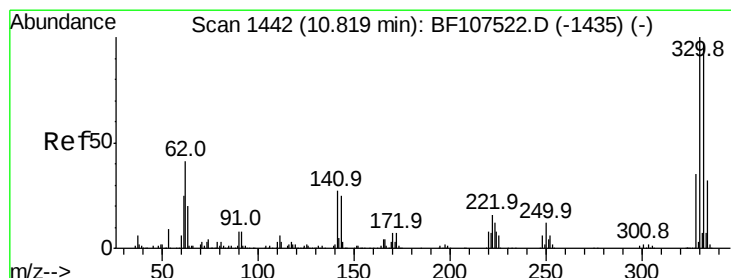
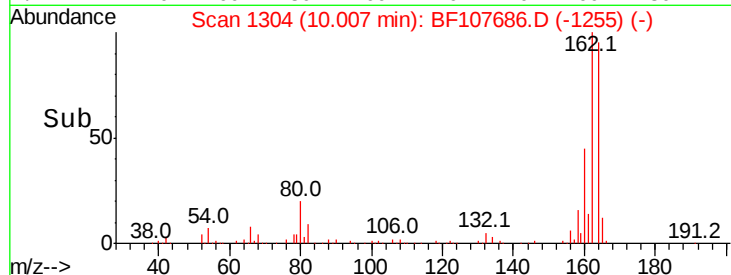
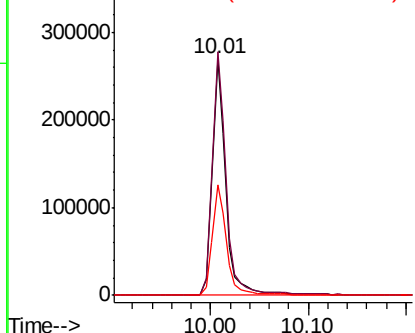
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	46.7	38.3	57.5

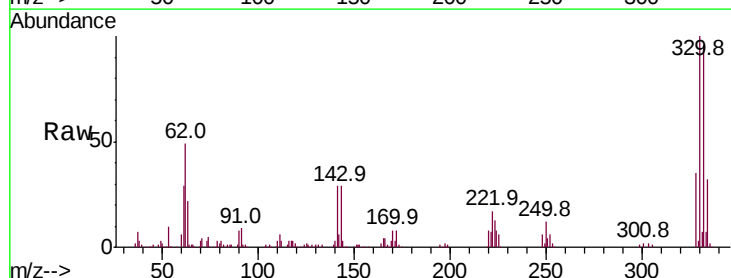


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

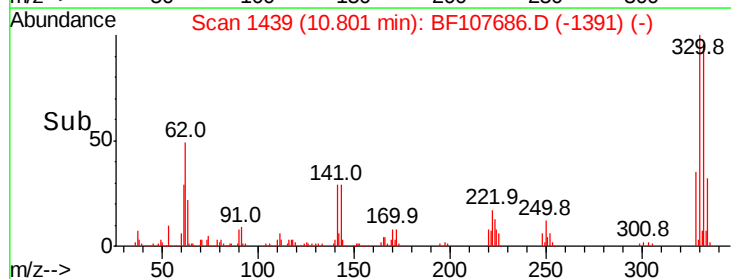
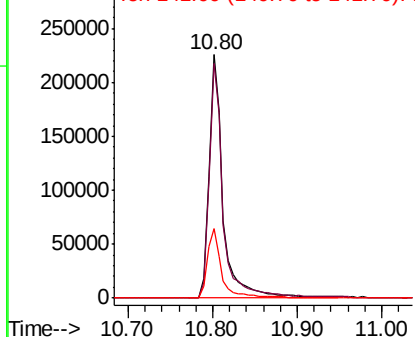


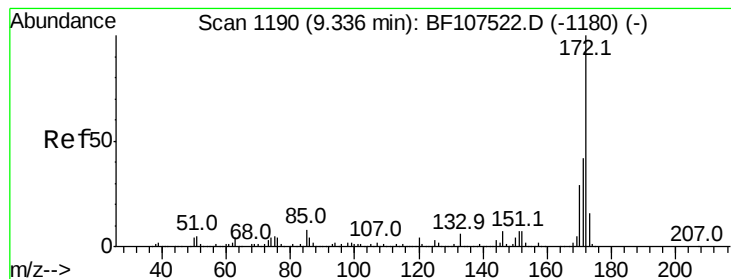
#41
 2,4,6-Tribromophenol
 Concen: 88.745 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	29.2	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: 167.379 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

Instrument :

BNA_F

ClientSampleId :

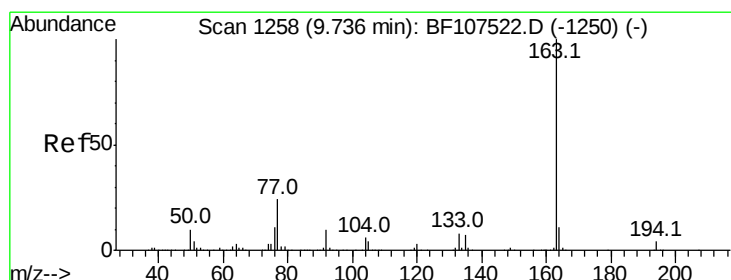
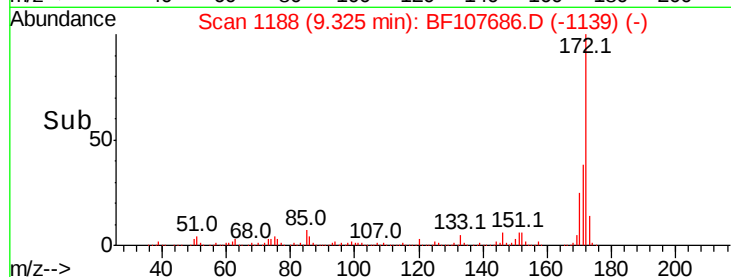
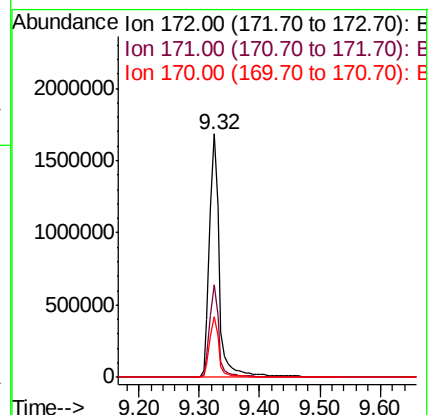
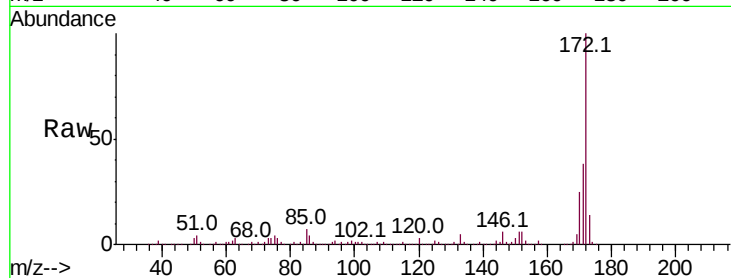
Tot Ion:172 Resp: 1959280

Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.7	44.5
170	25.1	19.6	29.4

172 100

171 38.1 29.7 44.5

170 25.1 19.6 29.4



#49

Dimethylphthalate

Concen: 4.852 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

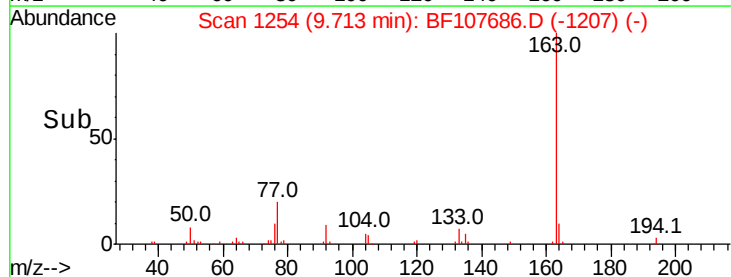
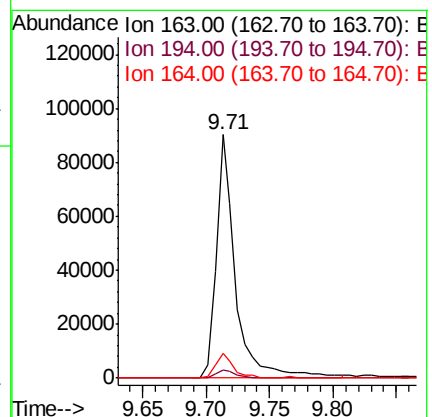
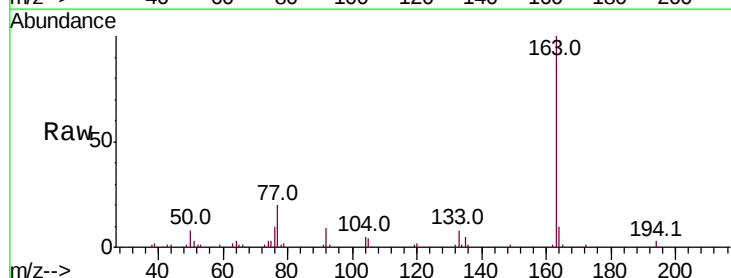
Tgt Ion:163 Resp: 95816

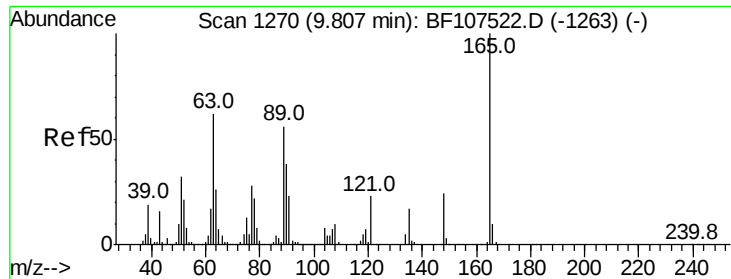
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.4	8.2	12.2

163 100

194 3.4 2.7 4.1

164 10.4 8.2 12.2

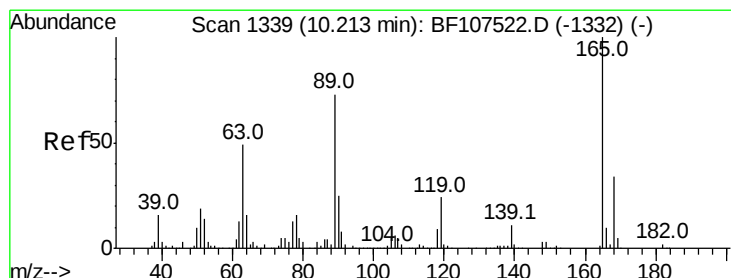
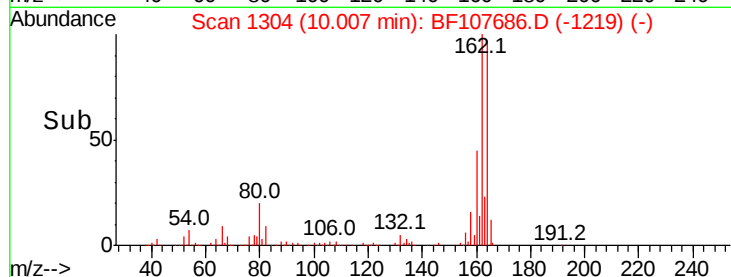
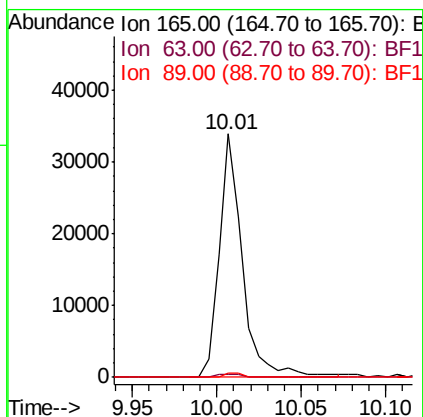
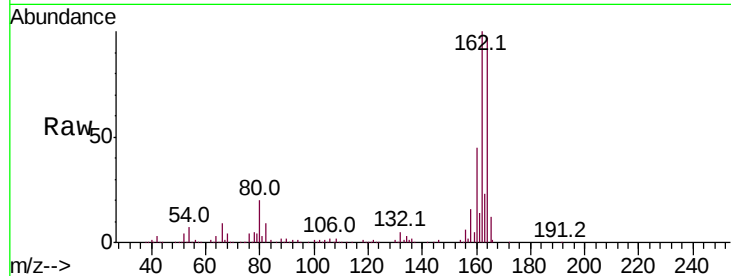




#50
 2,6-Dinitrotoluene
 Concen: 8.296 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

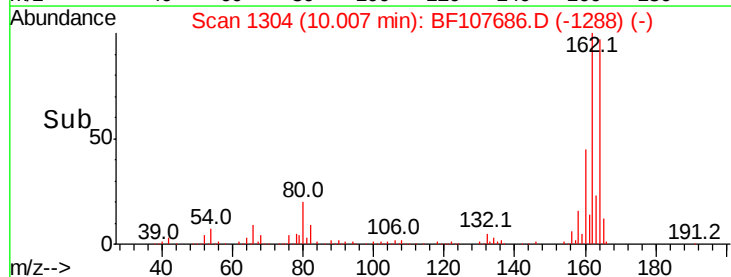
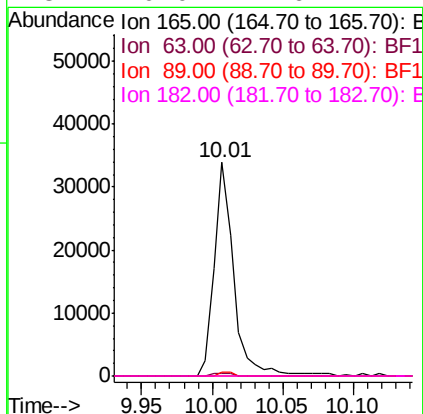
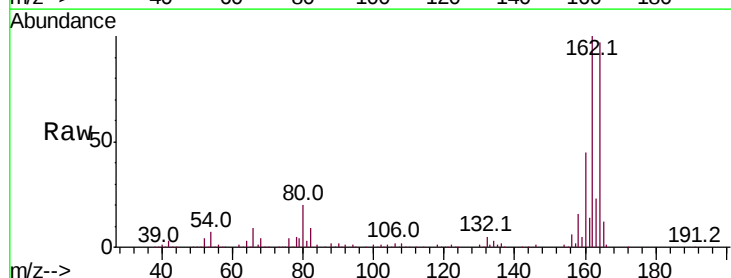
Instrument :
 BNA_F
 ClientSampleId :

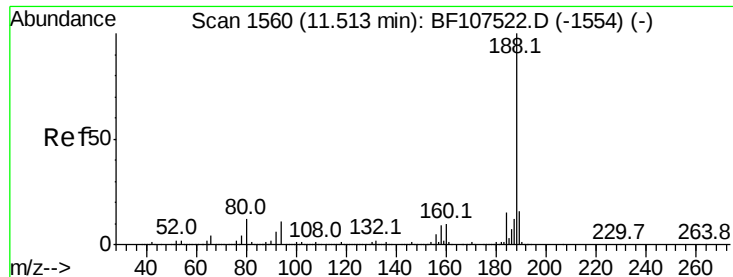
Tot Ion:165 Resp: 32525
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.6 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.927 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Tgt Ion:165 Resp: 32781
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

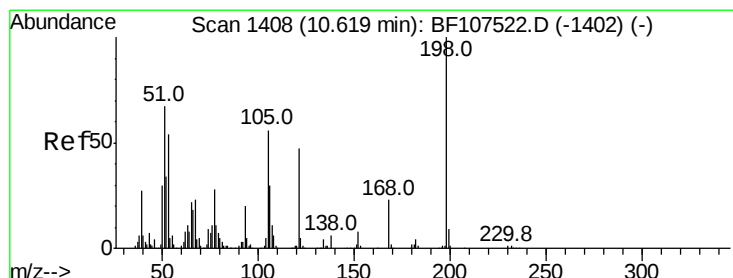
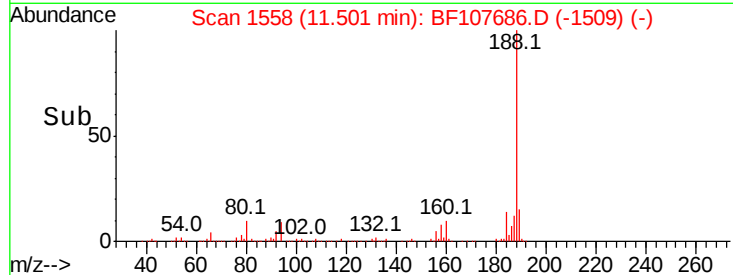
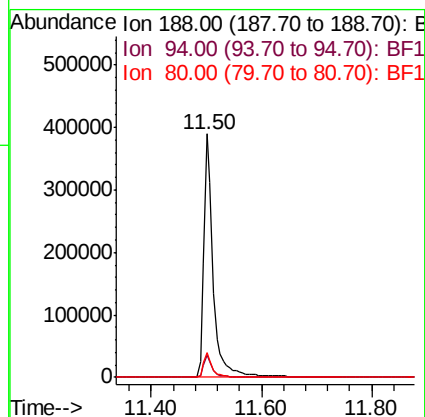
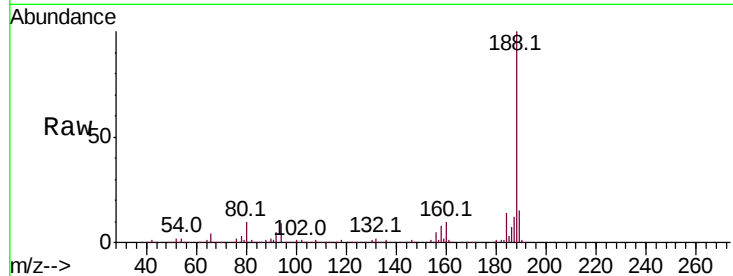




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

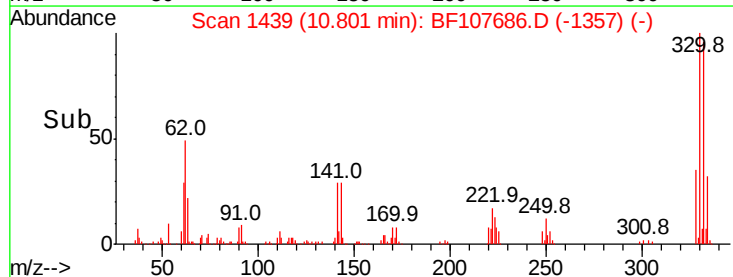
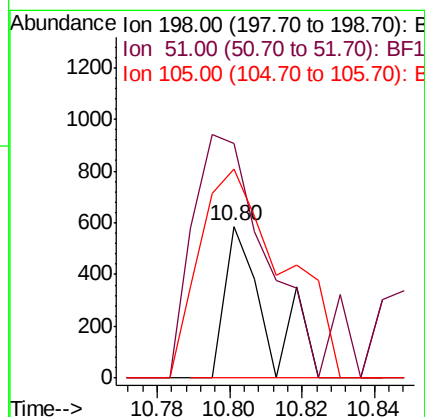
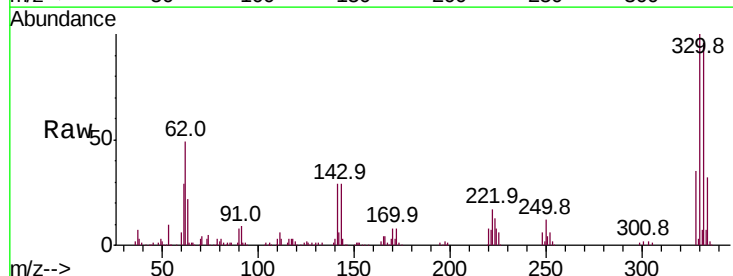
Instrument :
 BNA_F
 ClientSampled :

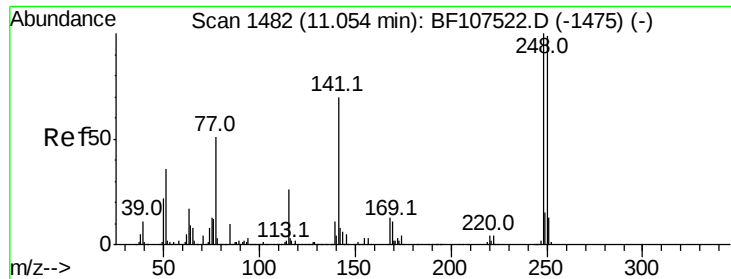
Tot Ion:188 Resp: 458890
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 10.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.853 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107686.D
 Acq: 26 Jul 2018 5:29

Tgt Ion:198 Resp: 466
 Ion Ratio Lower Upper
 198 100
 51 154.5 37.7 77.7#
 105 138.0 36.3 76.3#

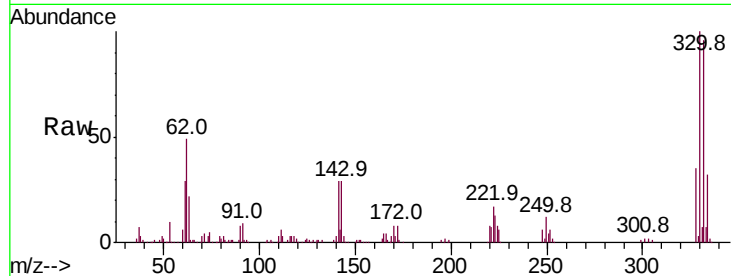




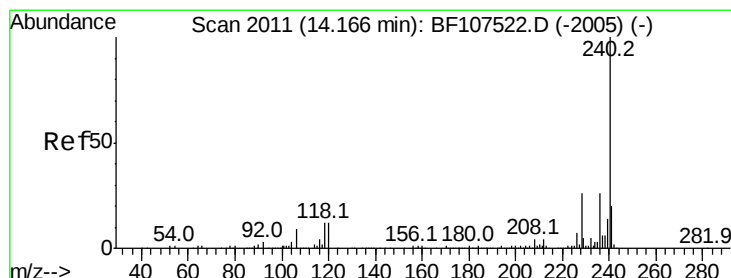
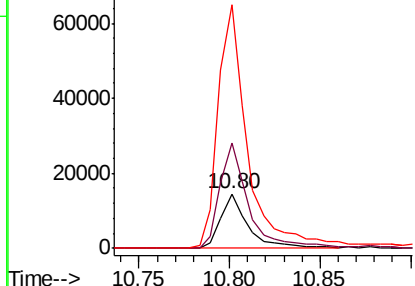
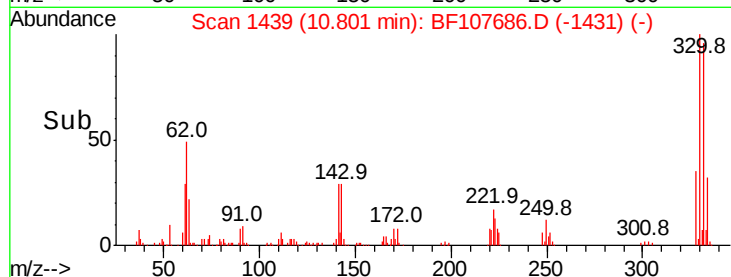
#66
4-Bromophenyl-phenylether
Concen: 2.809 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF107686.D
Acq: 26 Jul 2018 5:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15174
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 447.2 74.4 111.6#

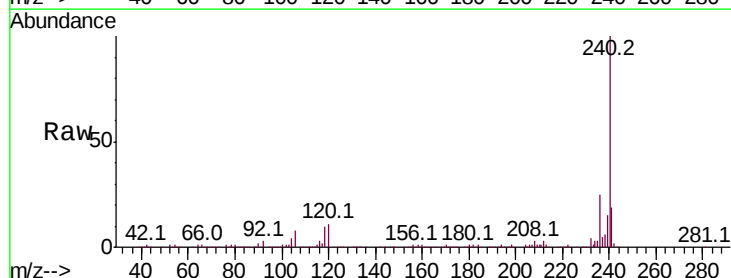


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

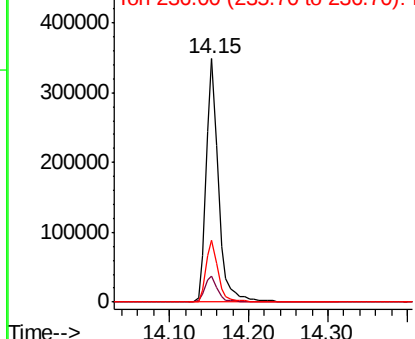
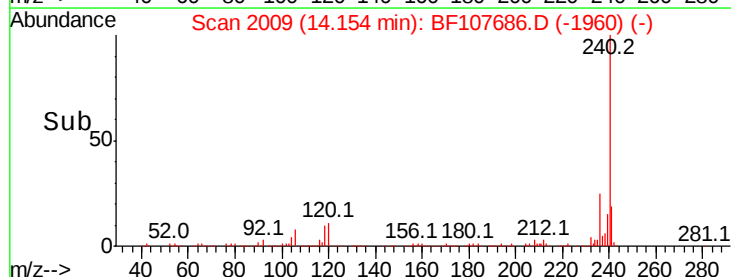


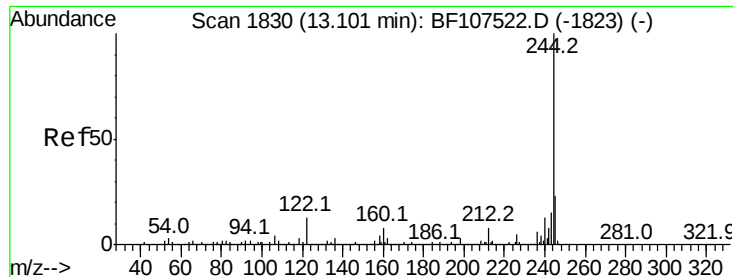
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107686.D
Acq: 26 Jul 2018 5:29

Tgt Ion:240 Resp: 382336
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 25.2 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: 88.129 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

Instrument :

BNA_F

ClientSampleId :

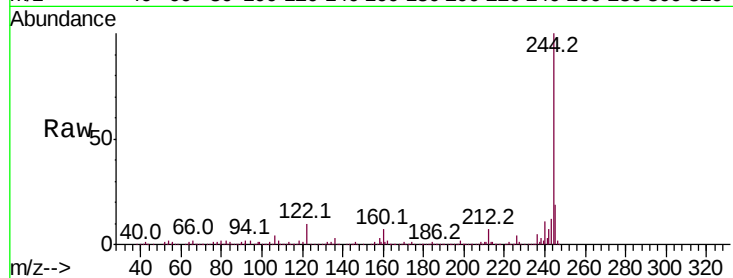
Tot Ion:244 Resp: 1316164

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

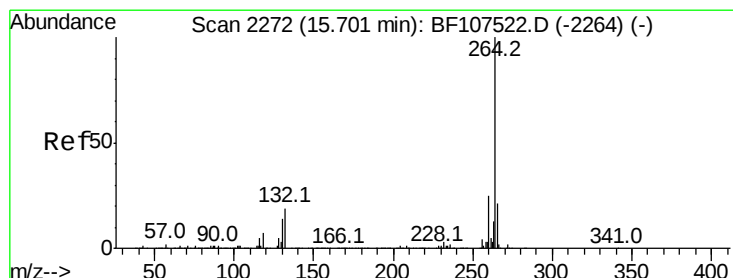
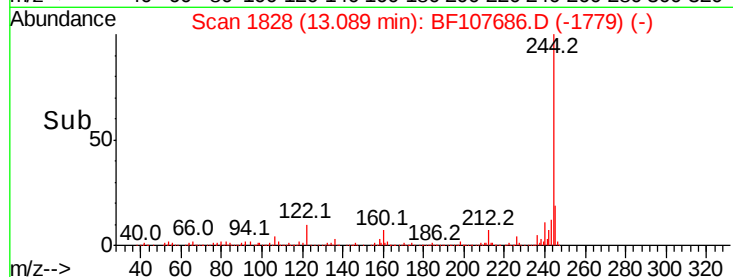
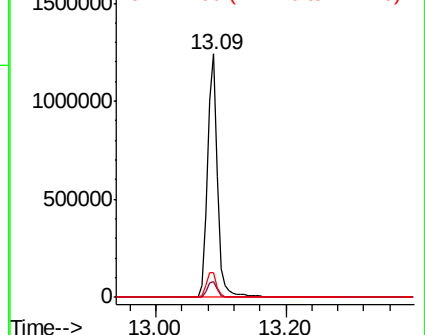
122 10.4 11.0 16.4#



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: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107686.D

Acq: 26 Jul 2018 5:29

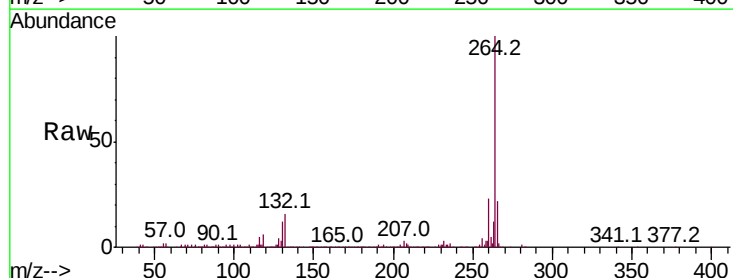
Tgt Ion:264 Resp: 307482

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.7 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

