

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107644.D
 Acq On : 25 Jul 2018 4:25
 Operator : JU/SJ
 Sample : J4120-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 07:50:28 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	254845	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	952139	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	368340	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	641641	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	487015	20.00	ng	-0.01
86) Perylene-d12	15.68	264	396019	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1296895	81.82	ng	0.00
7) Phenol-d6	6.60	99	1614382	84.82	ng	-0.01
23) Nitrobenzene-d5	7.53	82	959103	67.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	321506	76.76	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1504189	65.56	ng	-0.01
78) Terphenyl-d14	13.08	244	1148801	60.39	ng	-0.02

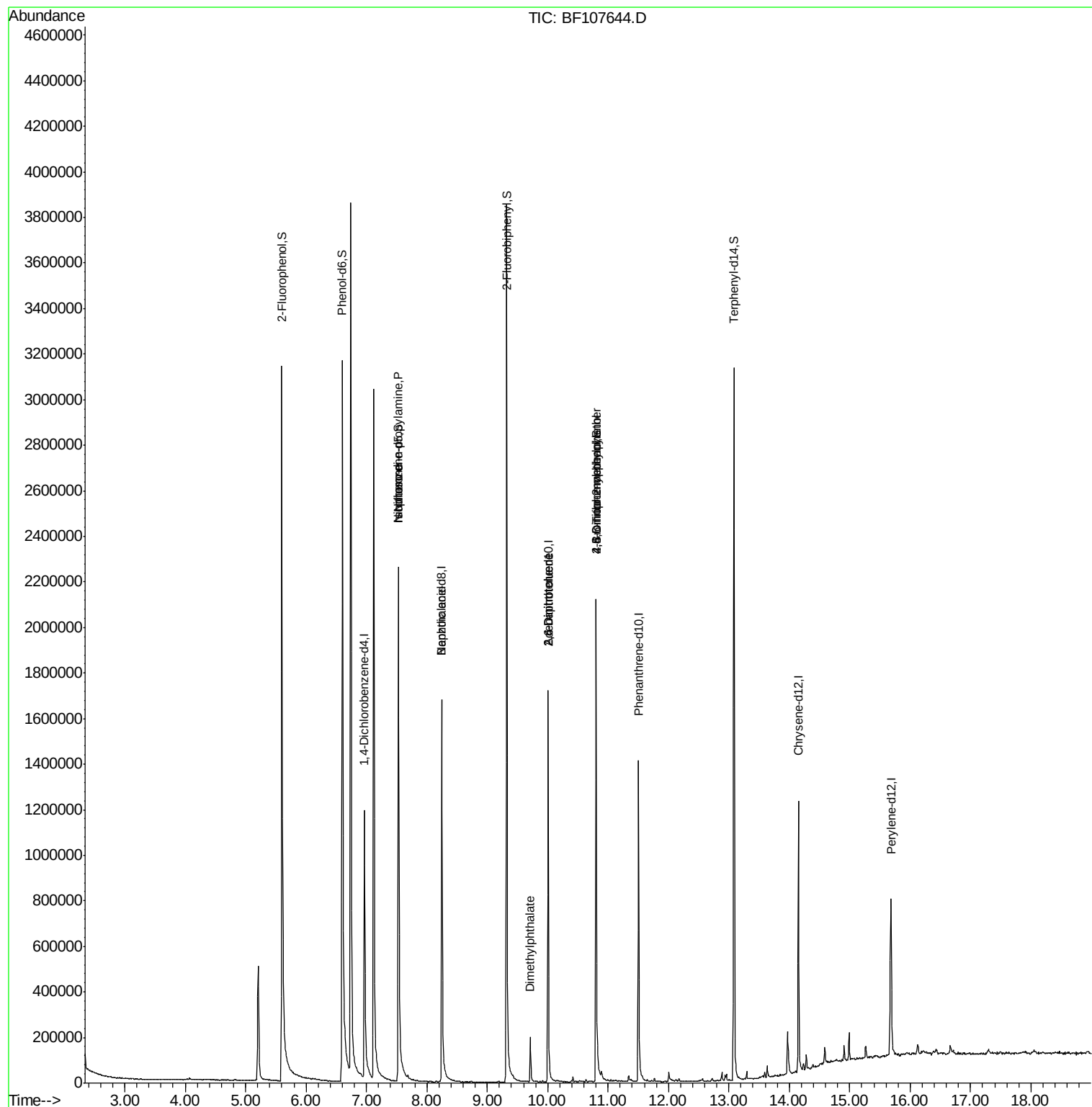
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	124617	10.135	ng	# 79
25) Isophorone	7.53	82	959096	31.839	ng	# 64
32) Benzoic acid	8.25	122	111	7.910	ng	# 1
49) Dimethylphthalate	9.71	163	92425	3.329	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	47264	8.575	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	47565	7.149	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	119	8.712	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19751	2.615	ng	# 1
73) Di-n-butylphthalate	12.05	149	3092	Below Cal		# 94

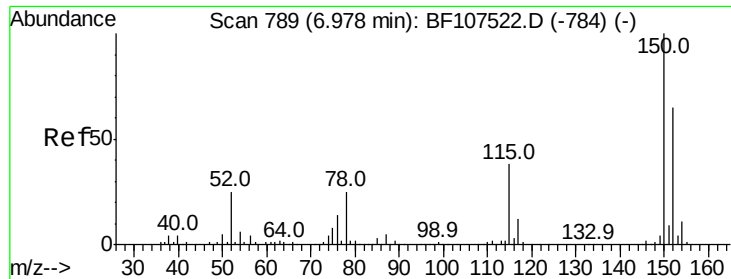
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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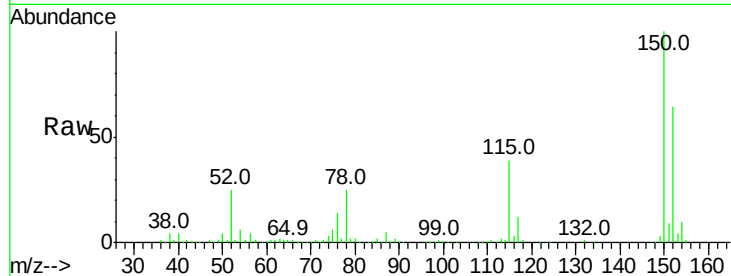


#1

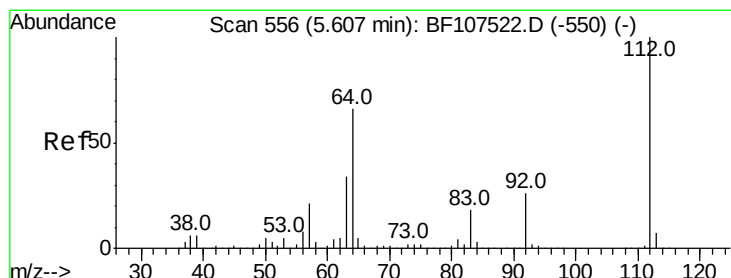
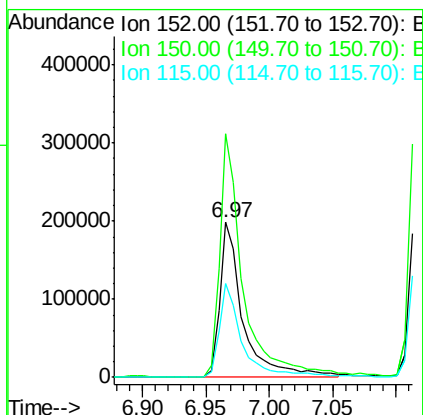
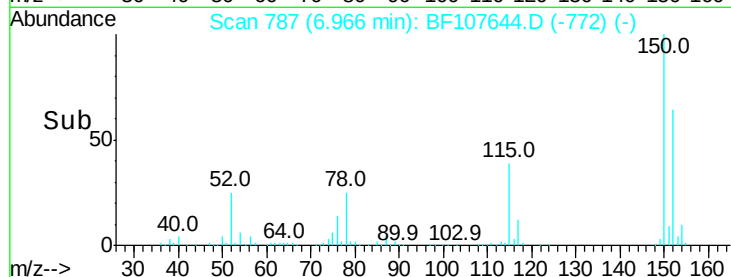
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 254845
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 61.0 50.1 75.1



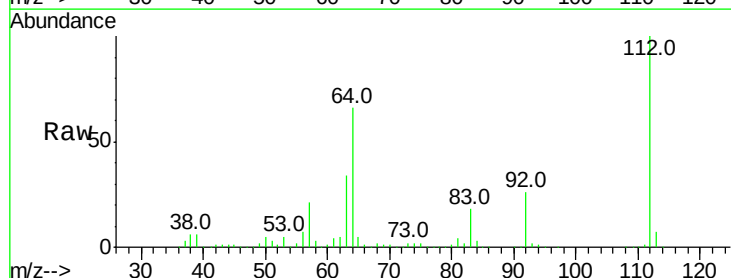
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



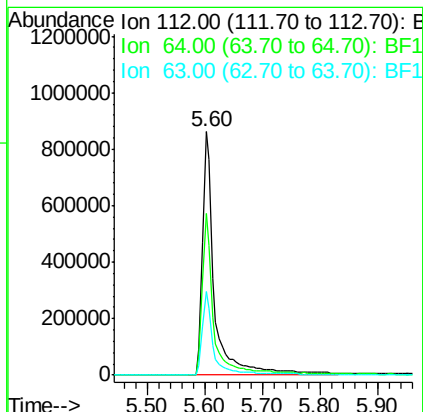
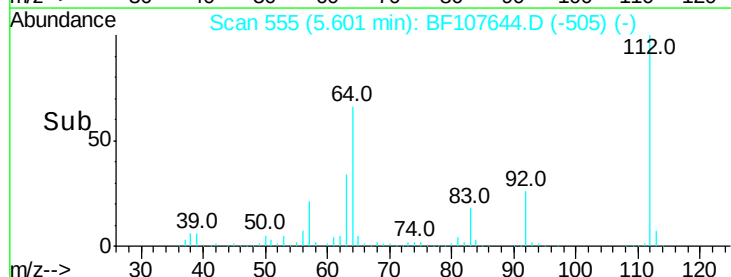
#5

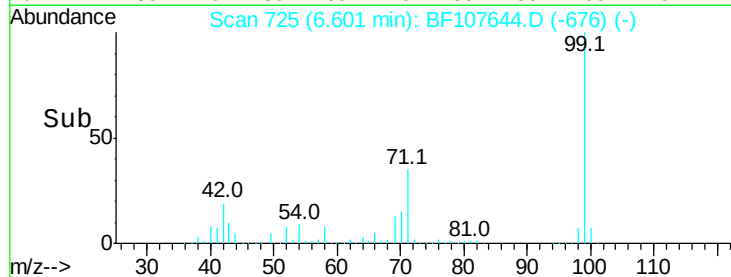
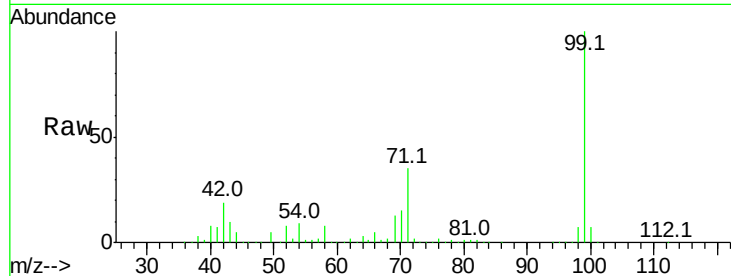
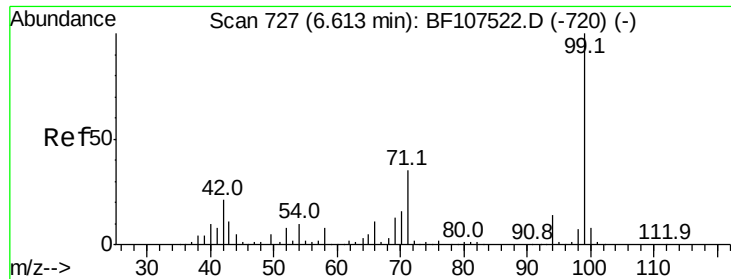
2-Fluorophenol
Concen: 81.821 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

Tgt Ion:112 Resp: 1296895
Ion Ratio Lower Upper
112 100
64 66.4 47.9 71.9
63 34.1 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: 84.823 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Instrument :

BNA_F

ClientSampled :

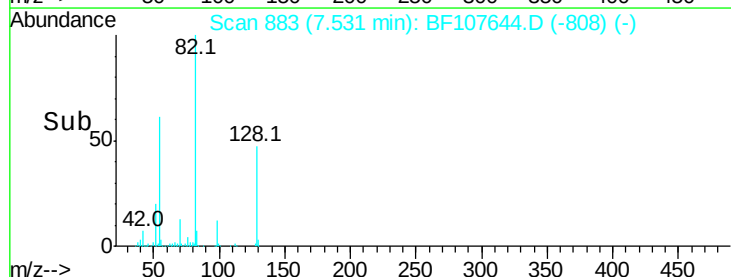
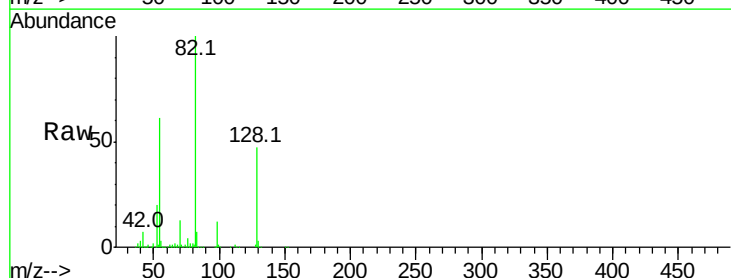
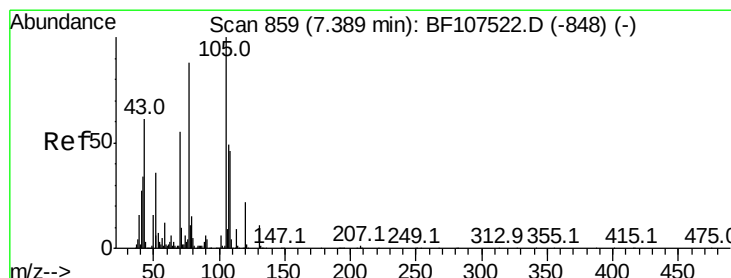
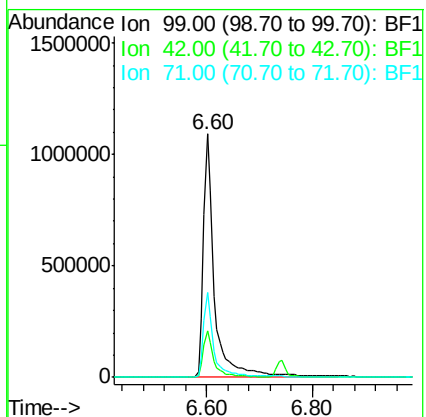
Tot Ion: 99 Resp: 1614382

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 35.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.135 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Tgt Ion: 70 Resp: 124617

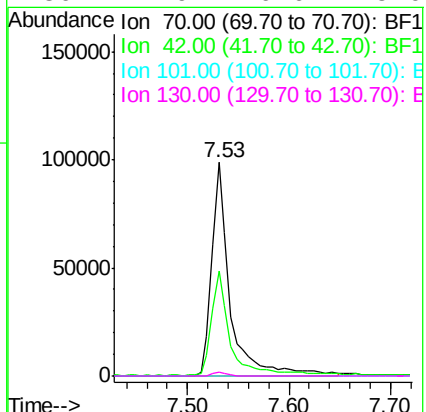
Ion Ratio Lower Upper

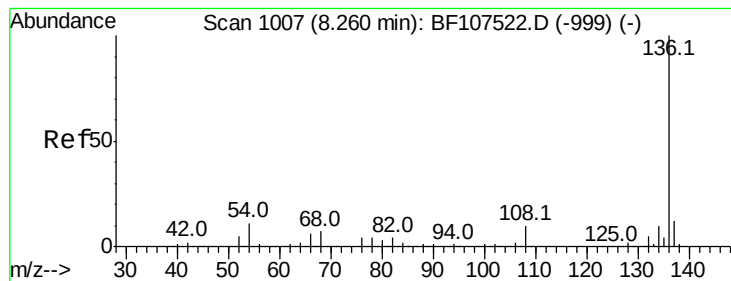
70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 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: BF107644.D

Acq: 25 Jul 2018 4:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 952139

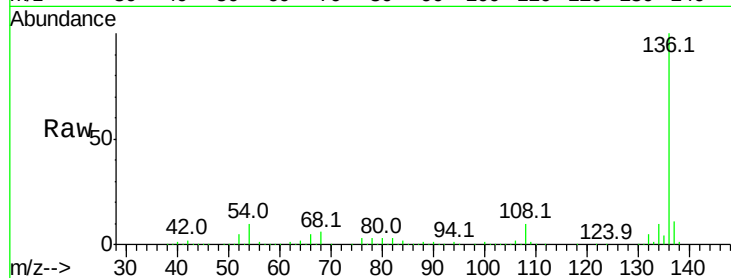
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.1 6.6 9.8#

68 5.7 5.0 7.4

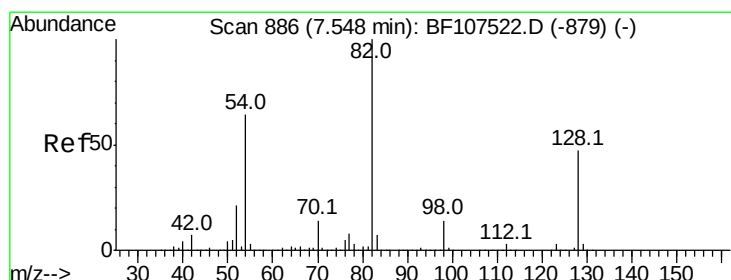
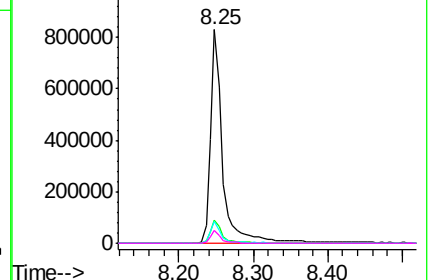
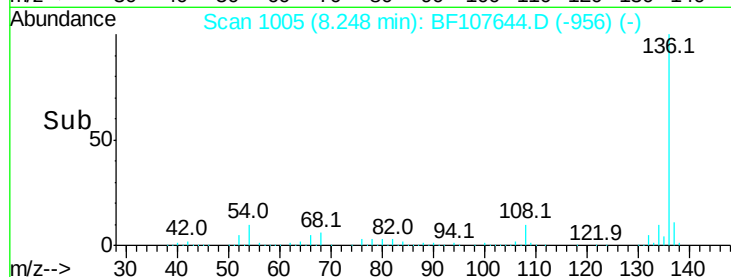


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.981 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

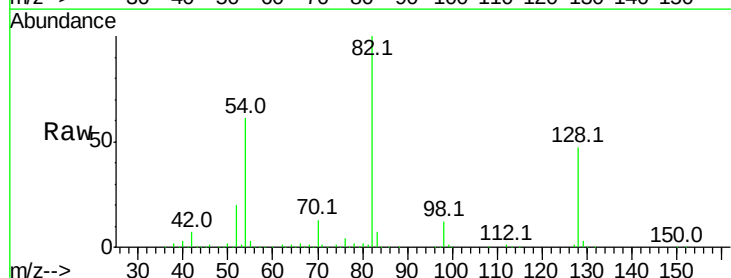
Tgt Ion: 82 Resp: 959103

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

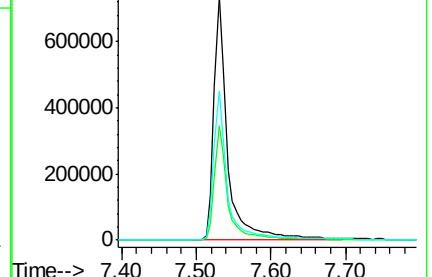
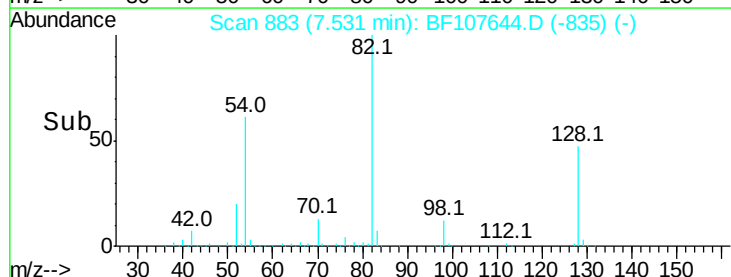
54 60.9 41.4 62.2

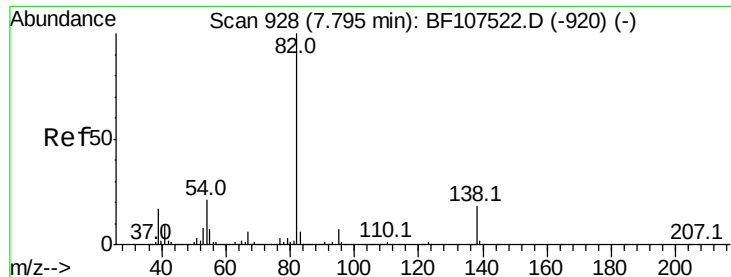


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.839 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Instrument :

BNA_F

ClientSampleId :

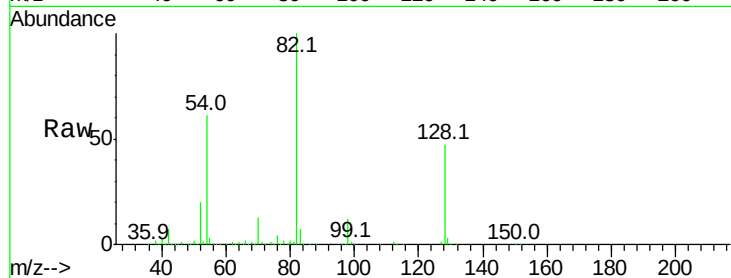
Tot Ion: 82 Resp: 959096

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

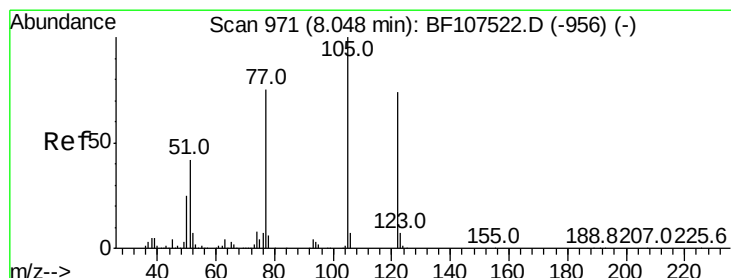
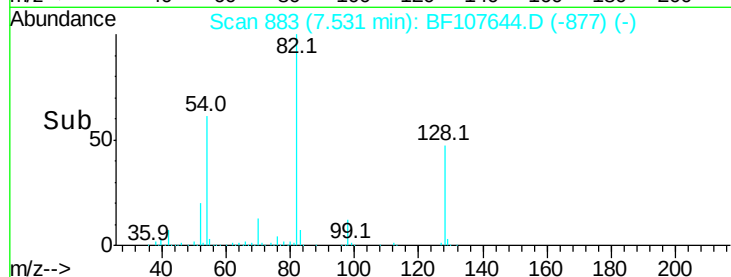
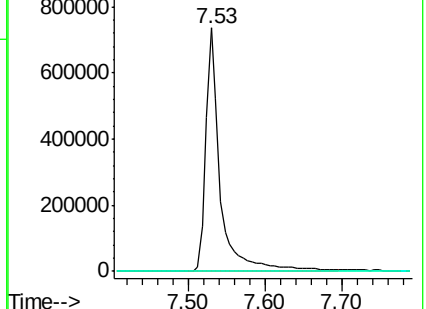
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.910 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

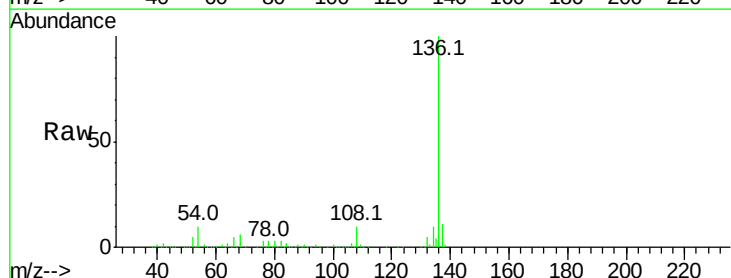
Tgt Ion: 122 Resp: 111

Ion Ratio Lower Upper

122 100

105 228.3 101.1 141.1#

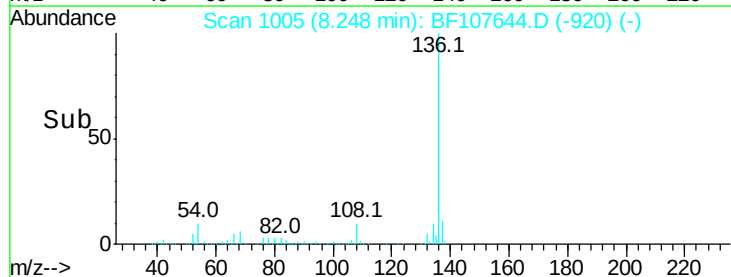
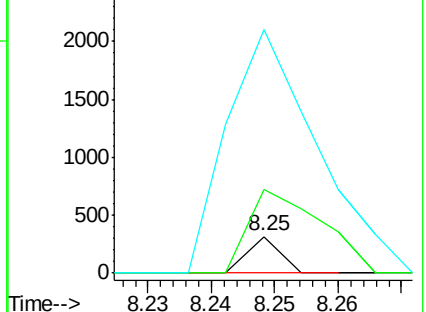
77 667.3 70.7 110.7#

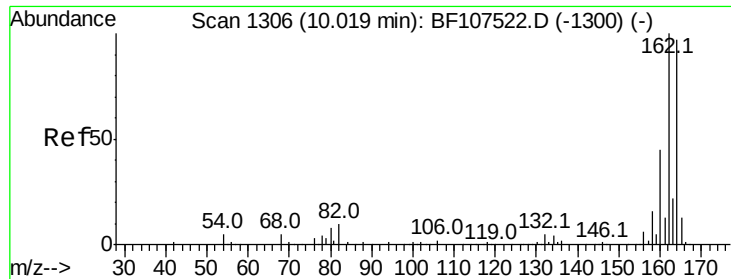


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF107644.D

Acq: 25 Jul 2018 4:25

Instrument :

BNA_F

ClientSampleId :

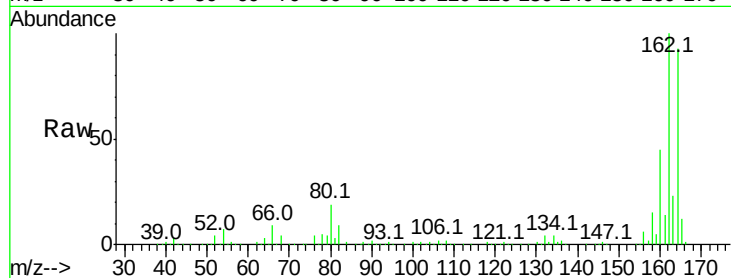
Tot Ion:164 Resp: 368340

Ion Ratio Lower Upper

164 100

162 107.1 86.1 129.1

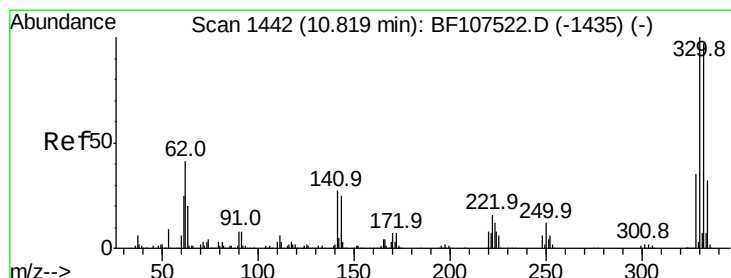
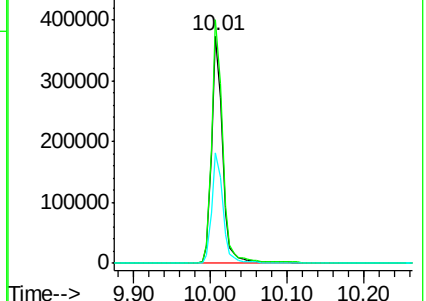
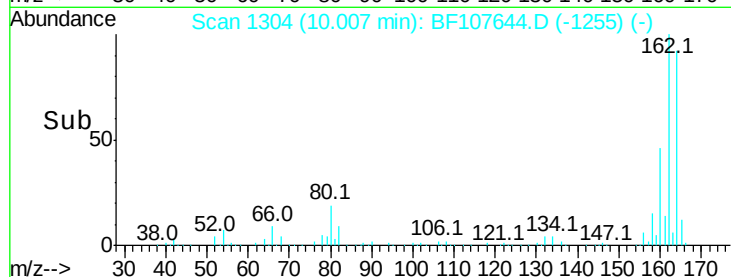
160 48.7 38.3 57.5



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: 76.757 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

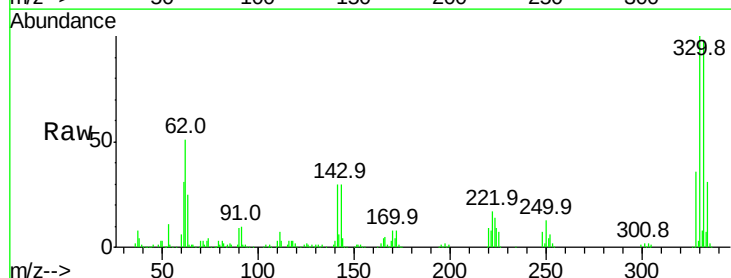
Tgt Ion:330 Resp: 321506

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

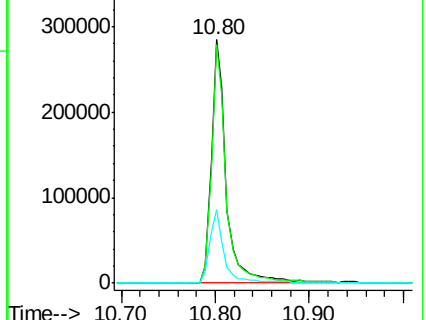
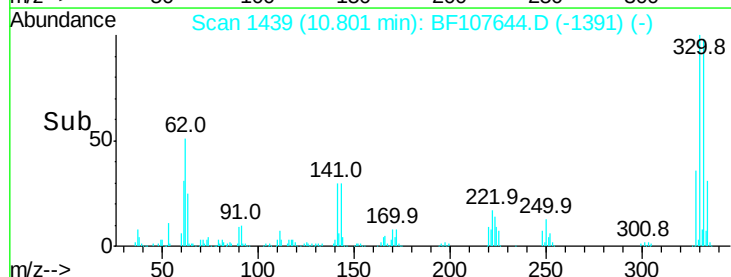
141 29.6 29.9 44.9#

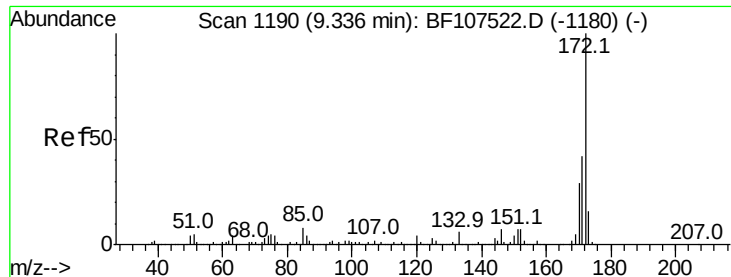


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

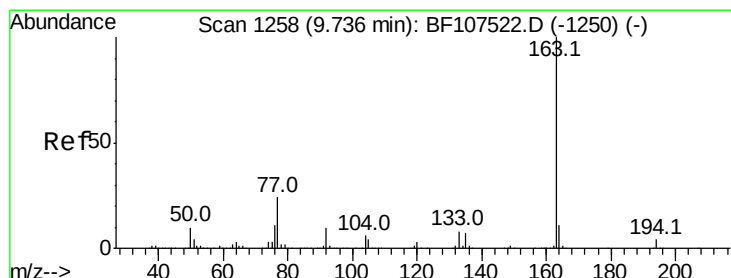
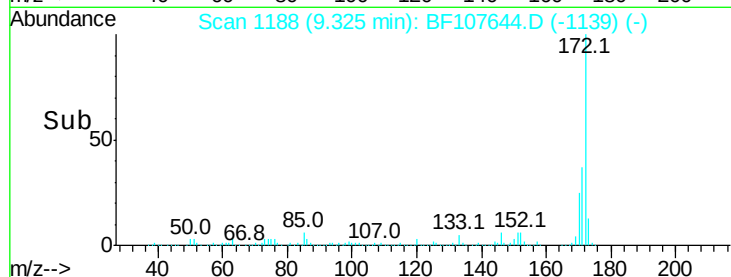
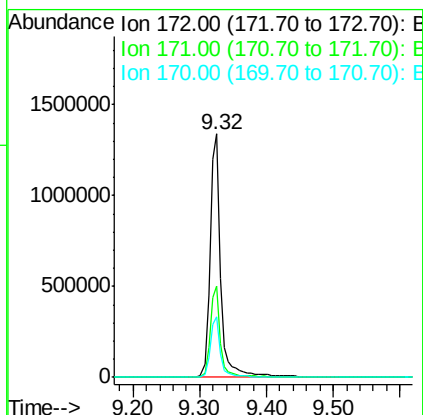
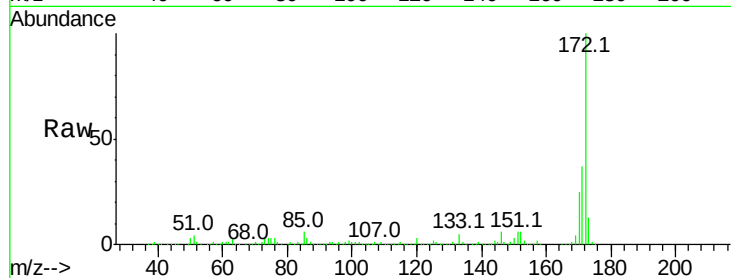




#44
2-Fluorobiphenyl
Concen: 65.562 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

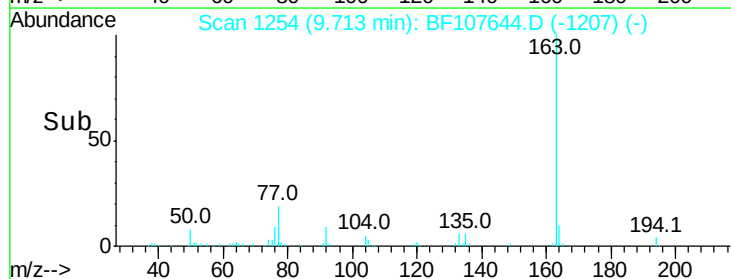
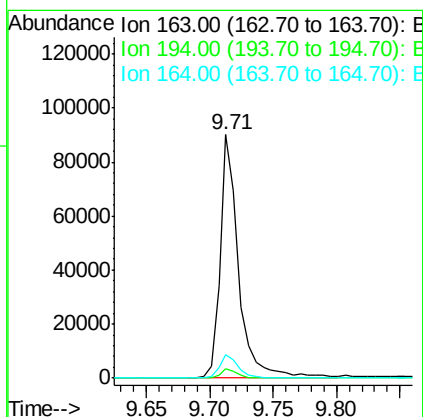
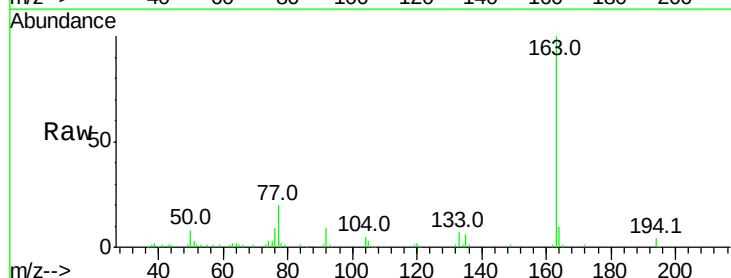
Instrument :
BNA_F
ClientSampleId :

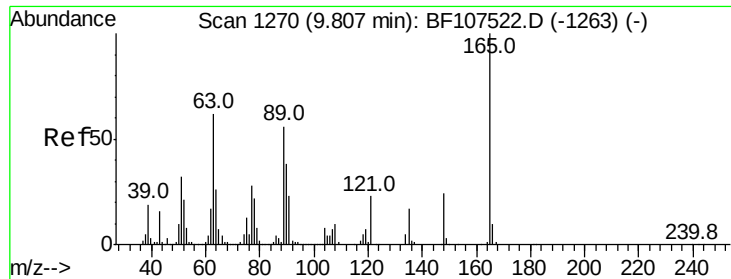
Tot Ion:172 Resp: 1504189
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 25.0 19.6 29.4



#49
Dimethylphthalate
Concen: 3.329 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

Tgt Ion:163 Resp: 92425
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.9 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.575 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Instrument :

BNA_F

ClientSampleId :

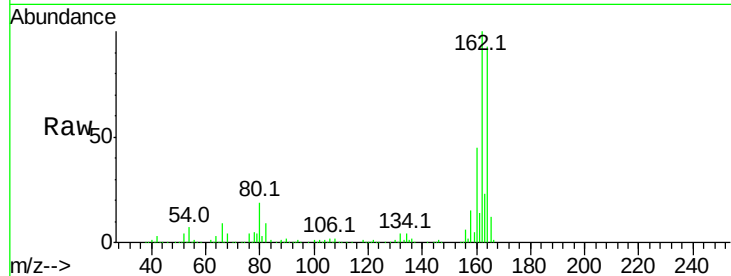
Tot Ion:165 Resp: 47264

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

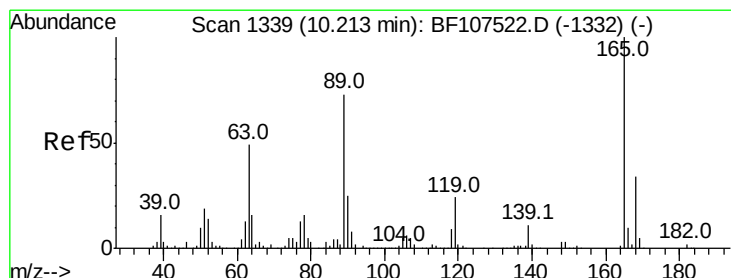
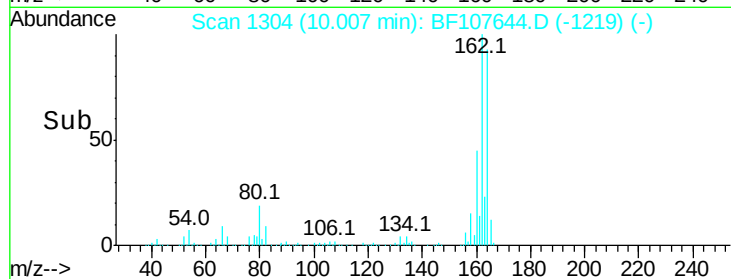
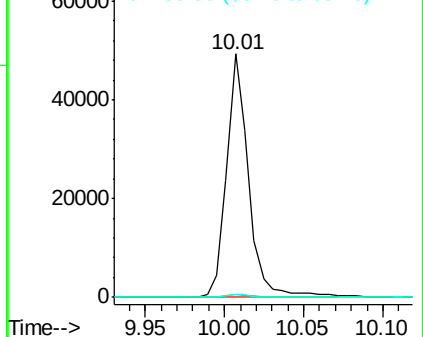
89 1.0 44.0 66.0#



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: 7.149 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Tgt Ion:165 Resp: 47565

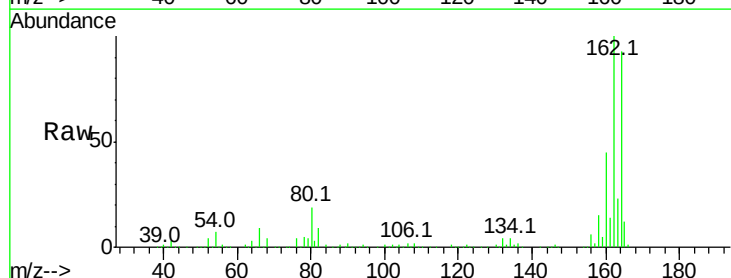
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.0 57.8 86.6#

182 0.0 1.6 2.4#

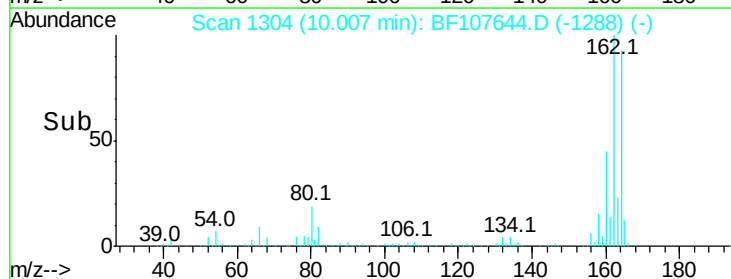
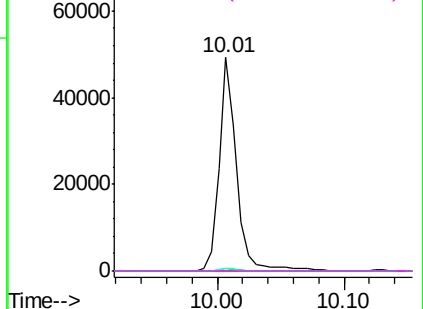


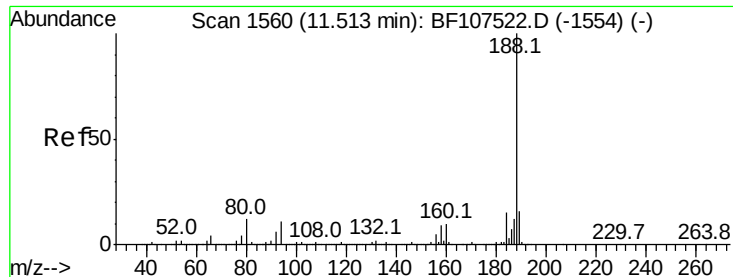
Abundance Ion 165.00 (164.70 to 165.70): E

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

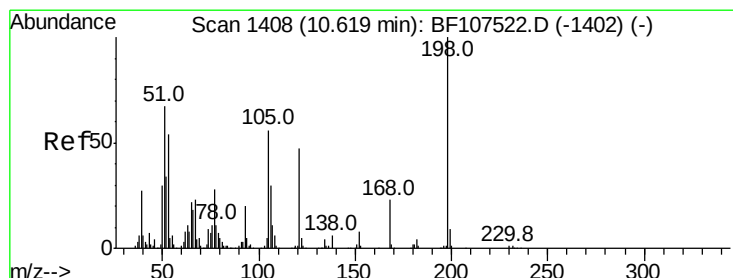
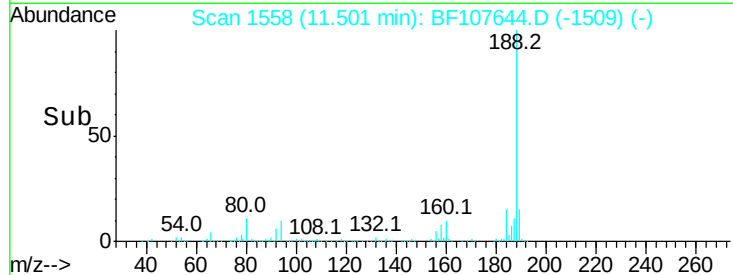
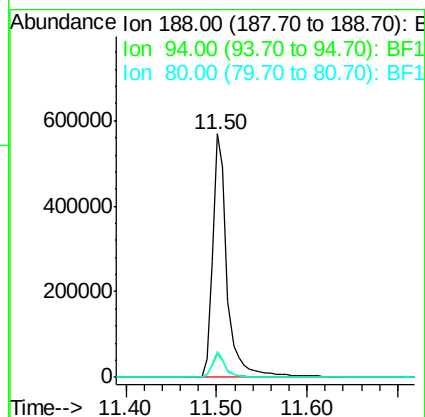
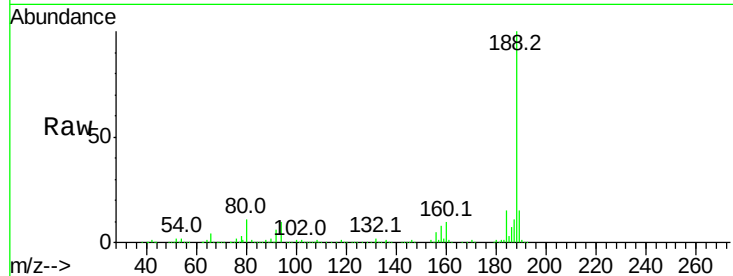




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107644.D
 Acq: 25 Jul 2018 4:25

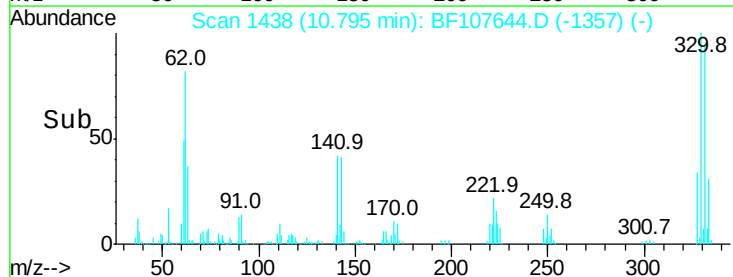
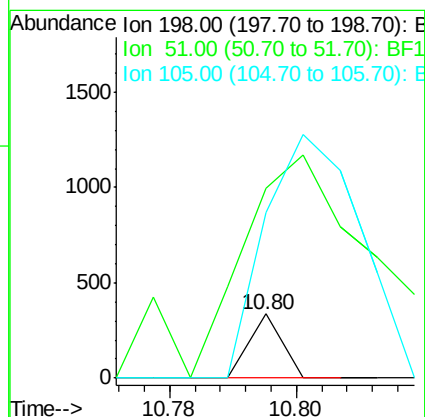
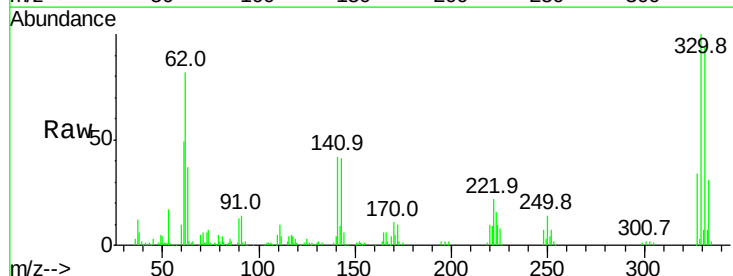
Instrument :
 BNA_F
 ClientSampleId :

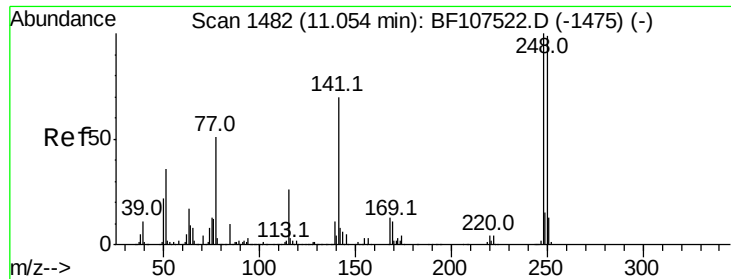
Tot Ion:188 Resp: 641641
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.712 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF107644.D
 Acq: 25 Jul 2018 4:25

Tgt Ion:198 Resp: 119
 Ion Ratio Lower Upper
 198 100
 51 295.8 37.7 77.7#
 105 259.2 36.3 76.3#

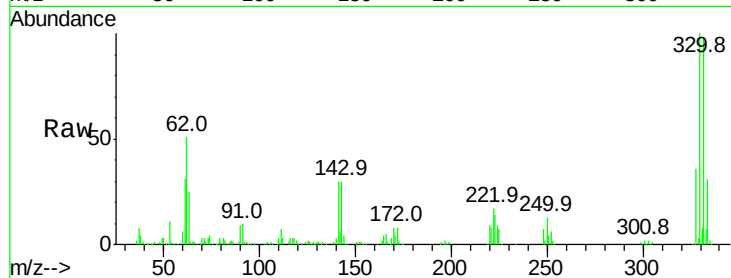




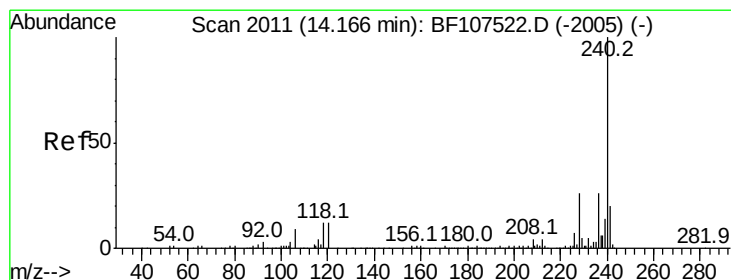
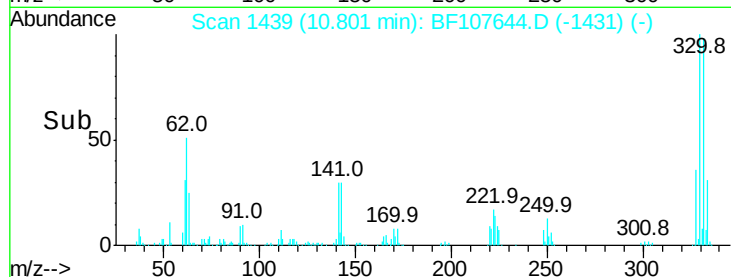
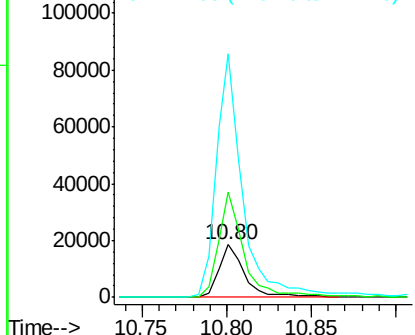
#66
4-Bromophenyl-phenylether
Concen: 2.615 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19751
Ion Ratio Lower Upper
248 100
250 198.4 76.9 115.3#
141 461.0 74.4 111.6#

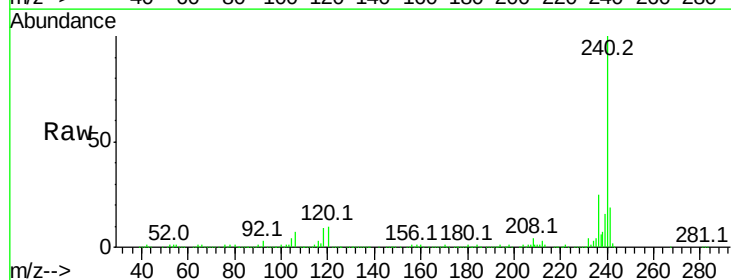


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

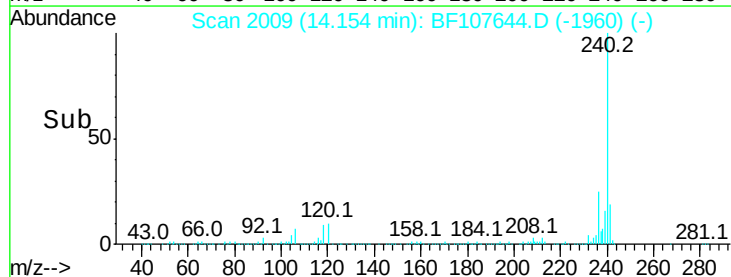
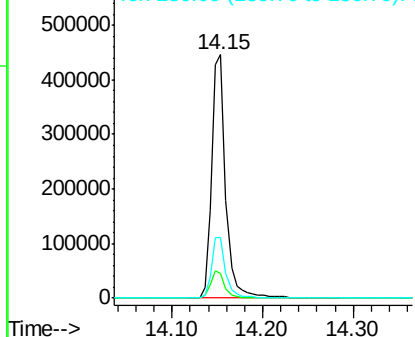


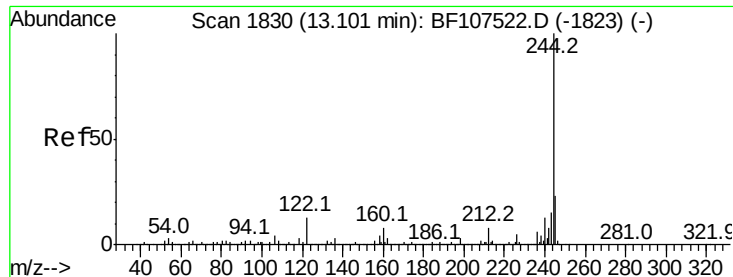
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107644.D
Acq: 25 Jul 2018 4:25

Tgt Ion:240 Resp: 487015
Ion Ratio Lower Upper
240 100
120 10.0 9.5 14.3
236 25.0 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: 60.389 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

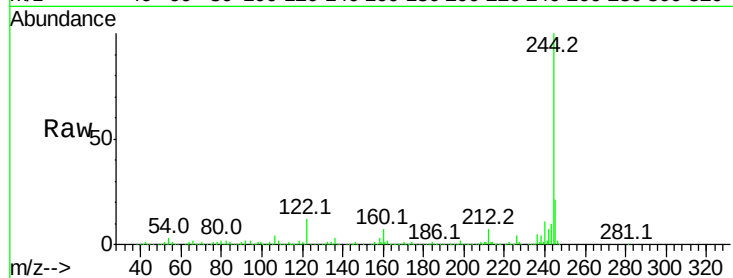
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1148801

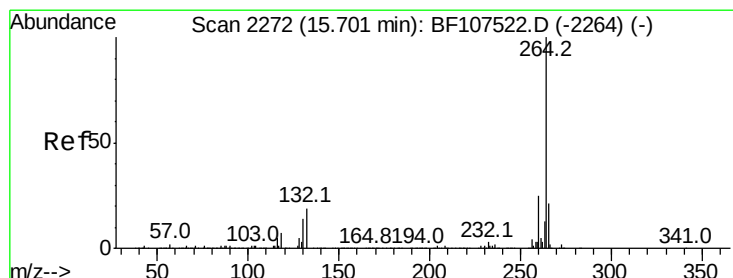
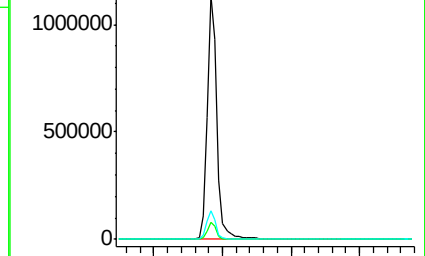
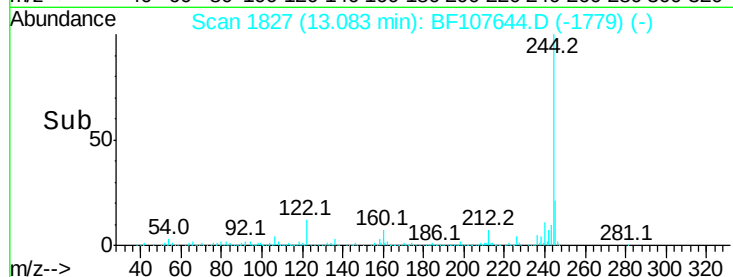
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.9	11.0	16.4



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

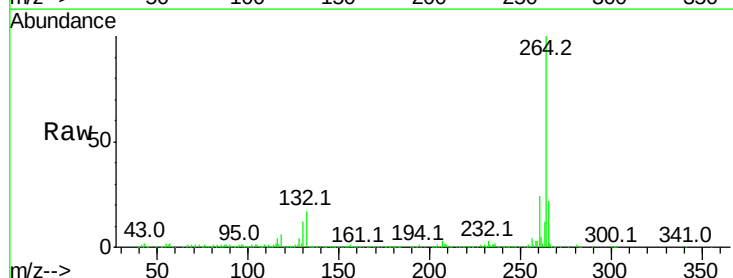
Delta R.T. -0.02 min

Lab File: BF107644.D

Acq: 25 Jul 2018 4:25

Tgt Ion:264 Resp: 396019

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	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

