

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107562.D
 Acq On : 21 Jul 2018 8:57
 Operator : JU/SJ
 Sample : J4061-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-U-M

Quant Time: Jul 23 03:27:01 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	339489	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1251107	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	499978	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	874393	20.00	ng	0.00
75) Chrysene-d12	14.16	240	740202	20.00	ng	0.00
86) Perylene-d12	15.69	264	548946	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	896136	42.44	ng	0.00
7) Phenol-d6	6.60	99	814839	32.14	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1917593	103.44	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	493785	86.85	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	2985678	111.08	ng	0.00
78) Terphenyl-d14	13.10	244	2443039	84.50	ng	0.00

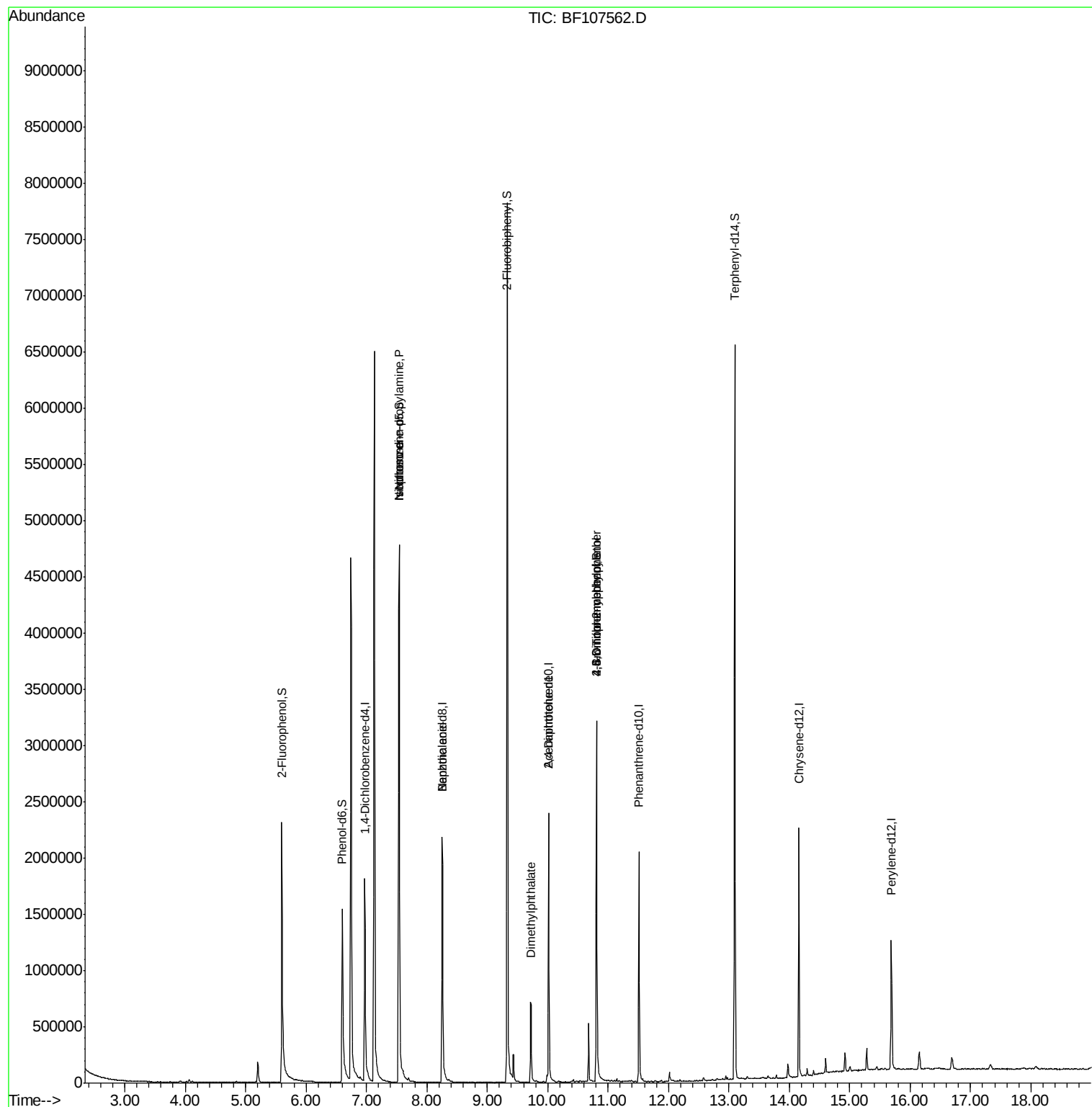
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1417	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	262730	16.041	ng	# 77
25) Isophorone	7.54	82	1917580	48.445	ng	# 64
32) Benzoic acid	8.26	122	284	7.920	ng	# 1
49) Dimethylphthalate	9.72	163	351842	9.337	ng	99
56) 2,4-Dinitrotoluene	10.02	165	62859	6.961	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	878	8.851	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	30741	2.987	ng	# 1
73) Di-n-butylphthalate	12.06	149	1789	Below Cal	#	78

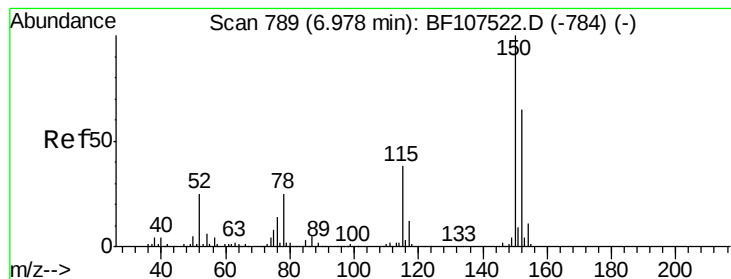
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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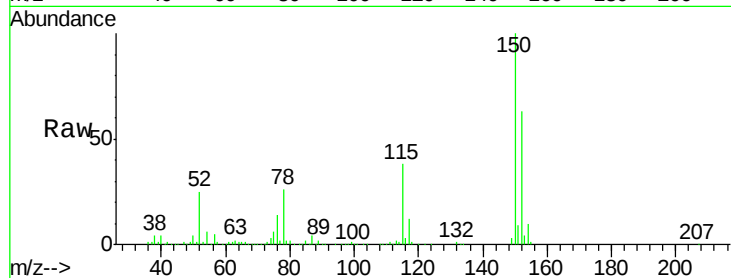


#1

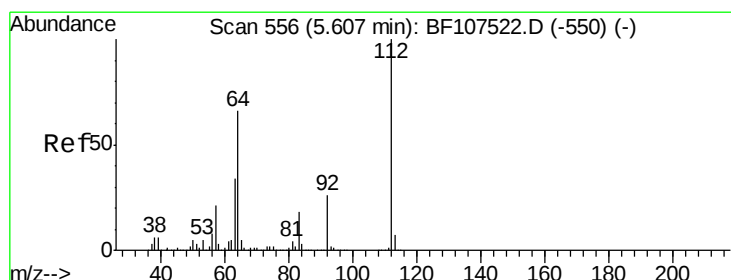
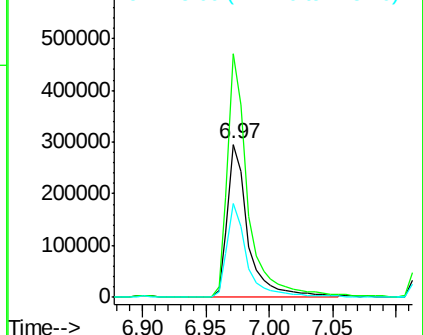
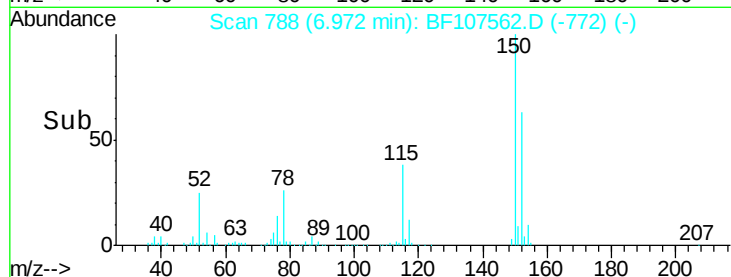
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107562.D
Acq: 21 Jul 2018 8:57

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-U-M

Tgt Ion:152 Resp: 339489
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 61.1 50.1 75.1



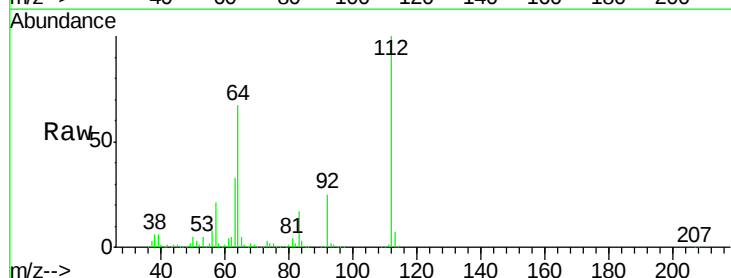
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



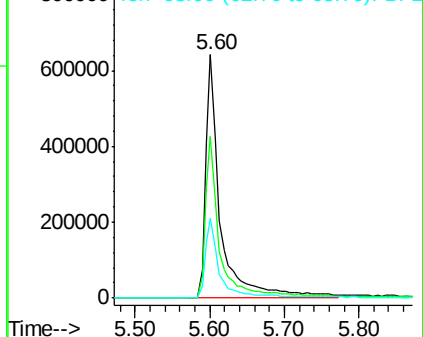
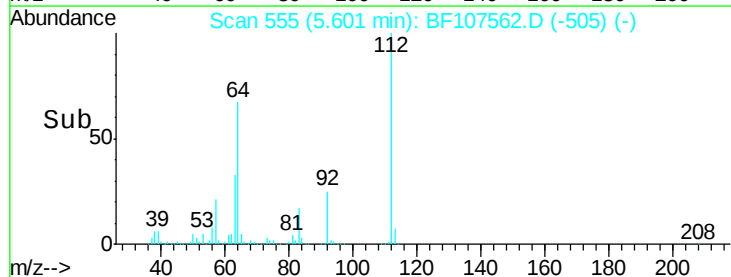
#5

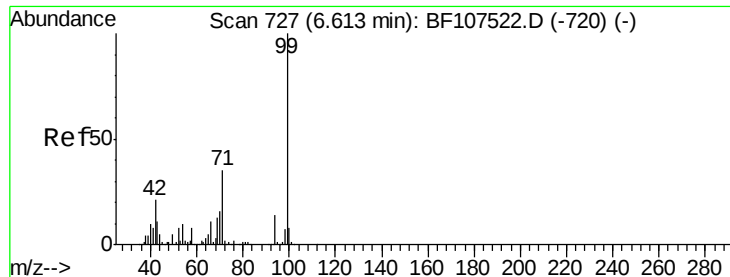
2-Fluorophenol
Concen: 42.441 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107562.D
Acq: 21 Jul 2018 8:57

Tgt Ion:112 Resp: 896136
Ion Ratio Lower Upper
112 100
64 66.6 47.9 71.9
63 33.0 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: 32.139 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-U-M

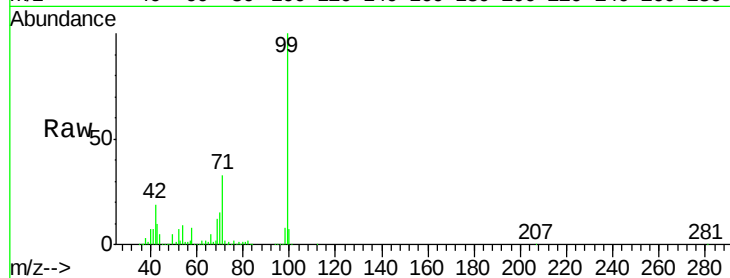
Tgt Ion: 99 Resp: 814839

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

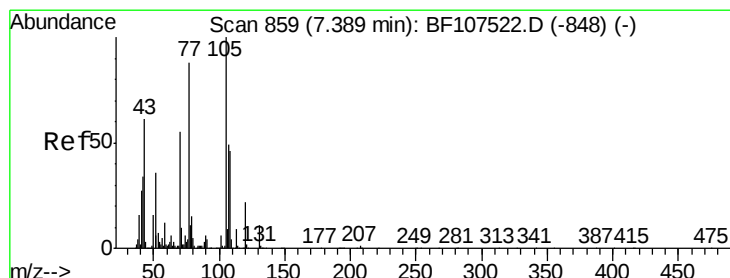
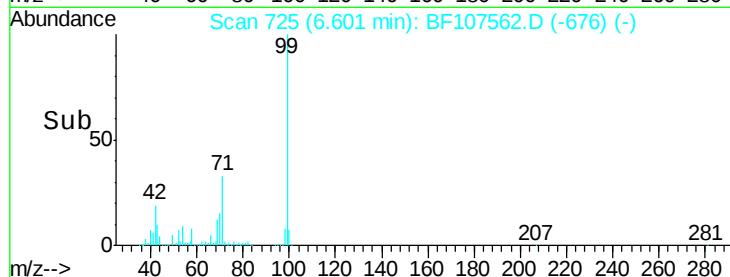
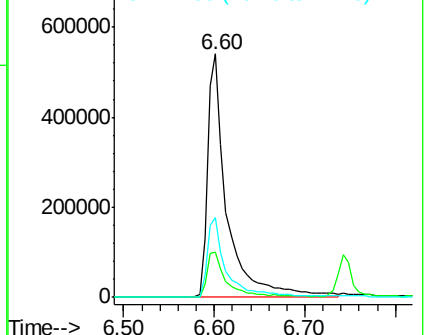
71 32.5 25.4 38.0



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: 16.041 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Tgt Ion: 70 Resp: 262730

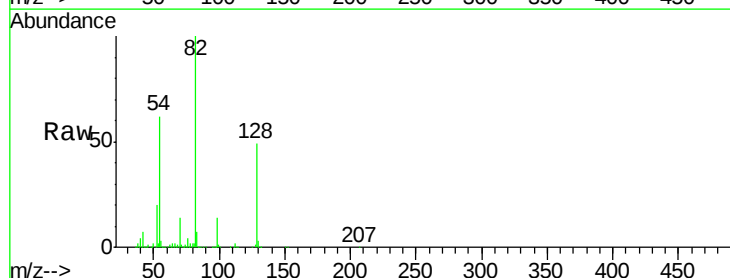
Ion Ratio Lower Upper

70 100

42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

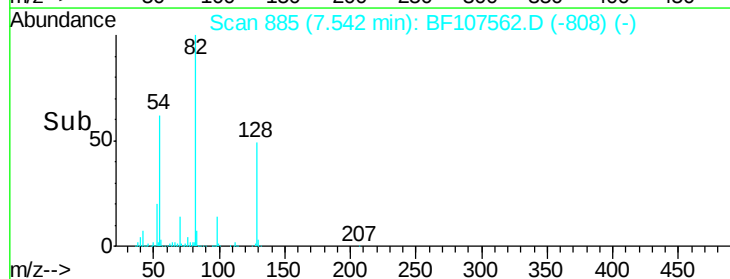
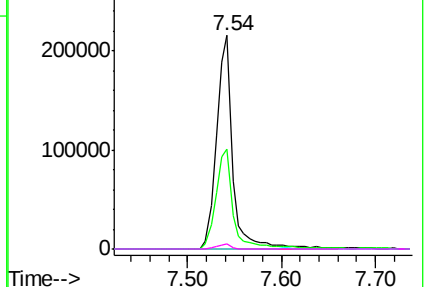


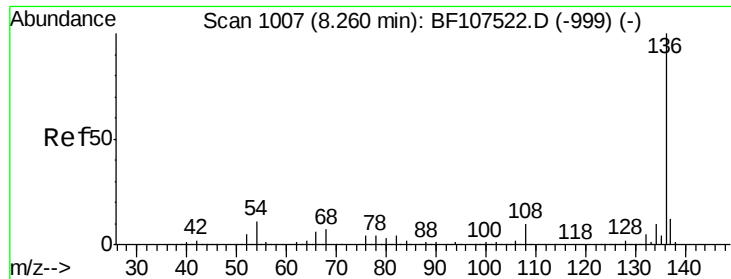
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

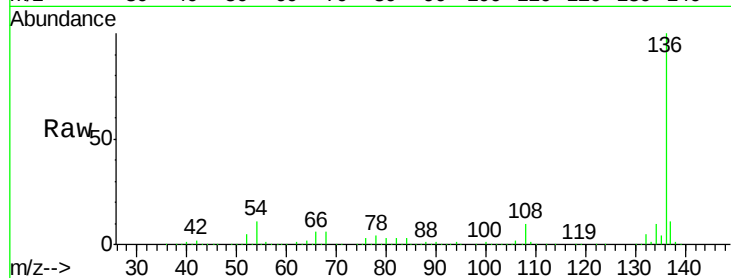




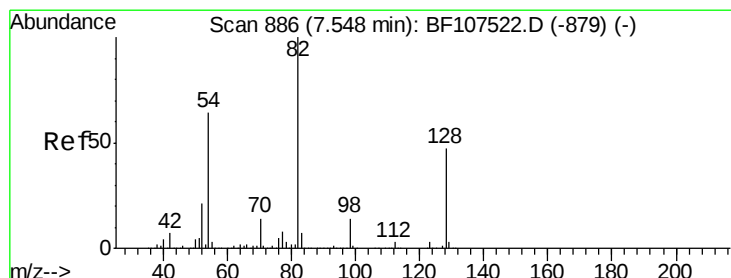
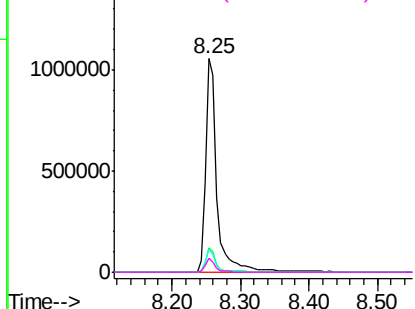
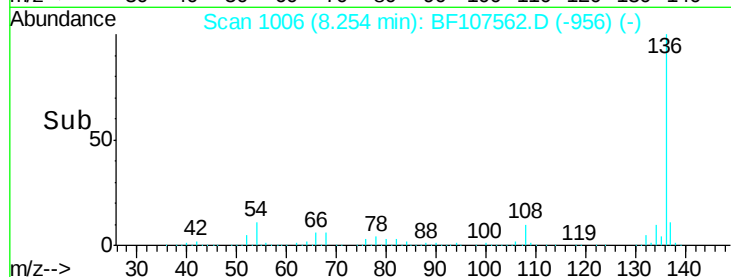
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107562.D
Acq: 21 Jul 2018 8:57

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-U-M

Tgt Ion:136 Resp: 1251107
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 10.6 6.6 9.8#
68 6.5 5.0 7.4

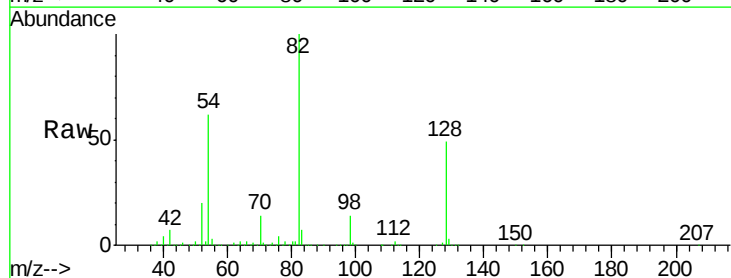


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

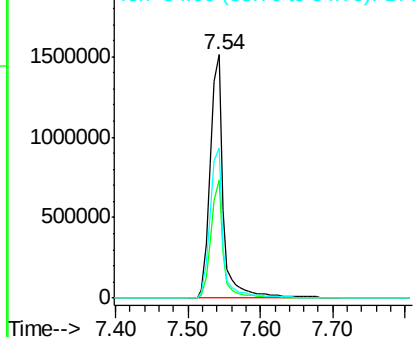
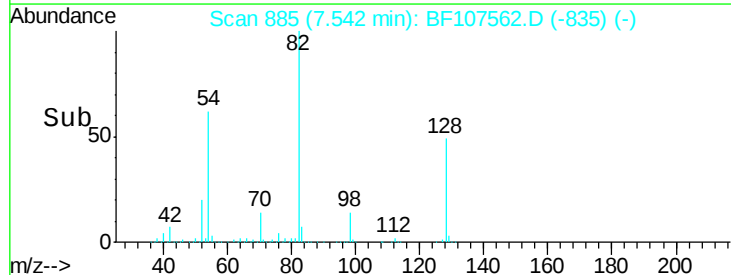


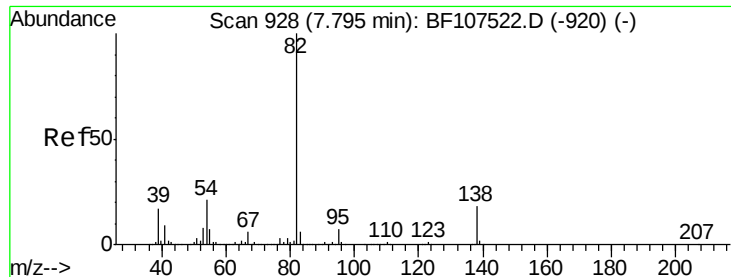
#23
Nitrobenzene-d5
Concen: 103.439 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107562.D
Acq: 21 Jul 2018 8:57

Tgt Ion: 82 Resp: 1917593
Ion Ratio Lower Upper
82 100
128 48.7 36.1 54.1
54 61.8 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: 48.445 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.25 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-U-M

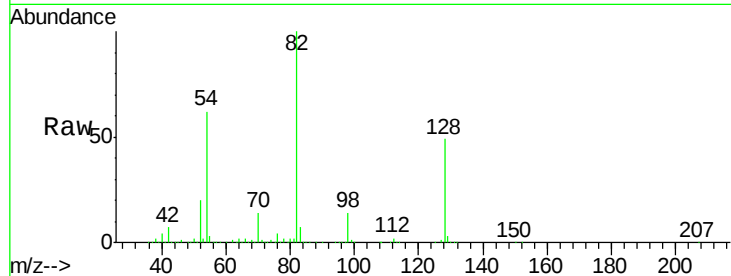
Tgt Ion: 82 Resp: 1917580

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

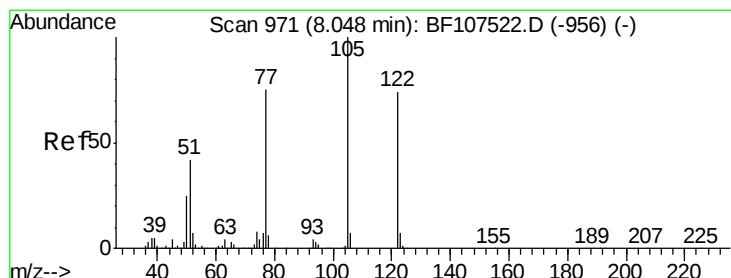
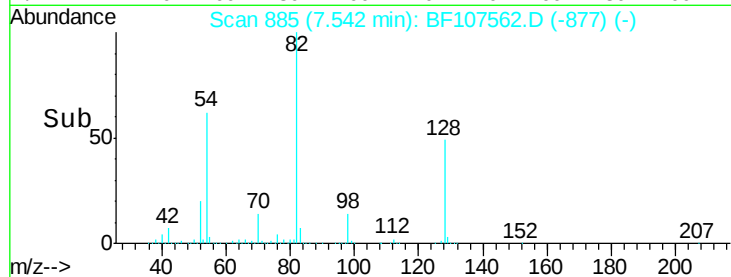
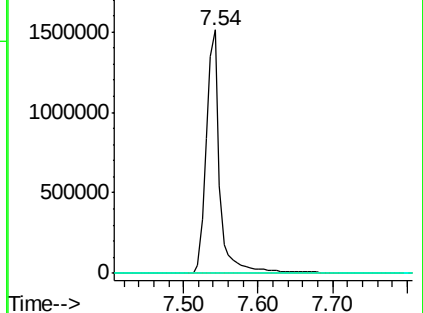
138 0.0 14.9 22.3#



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: 7.920 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.21 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

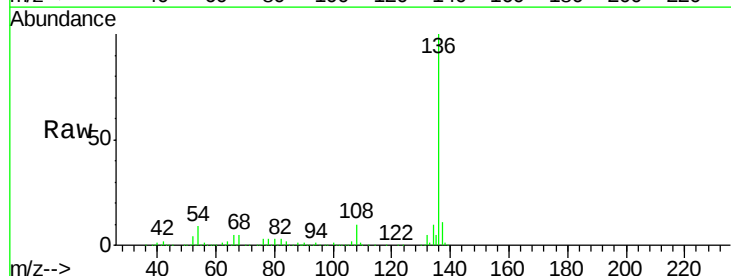
Tgt Ion: 122 Resp: 284

Ion Ratio Lower Upper

122 100

105 271.8 101.1 141.1#

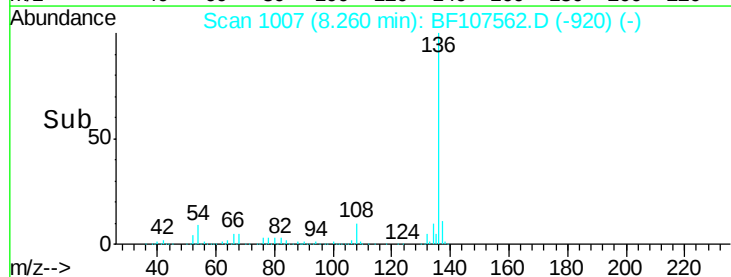
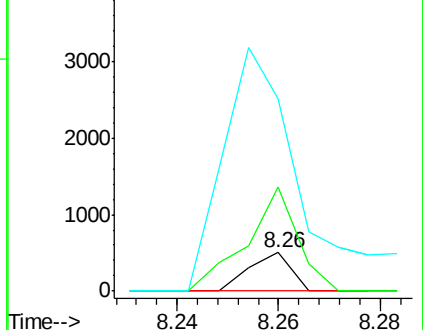
77 502.6 70.7 110.7#

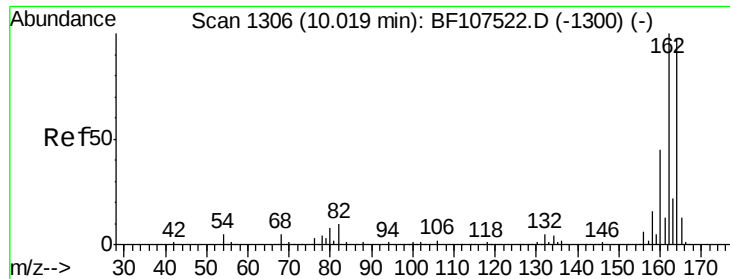


Abundance Ion 122.00 (121.70 to 122.70): E

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: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-U-M

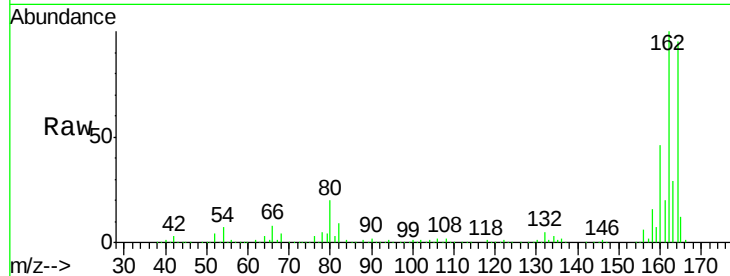
Tgt Ion:164 Resp: 499978

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

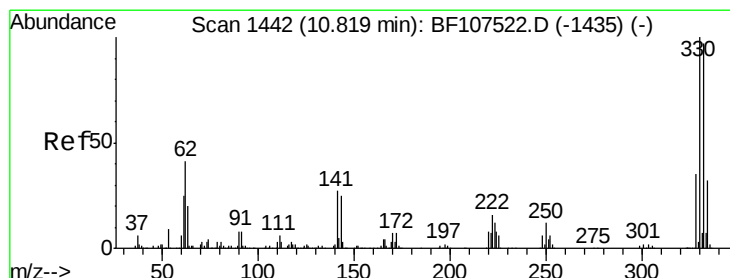
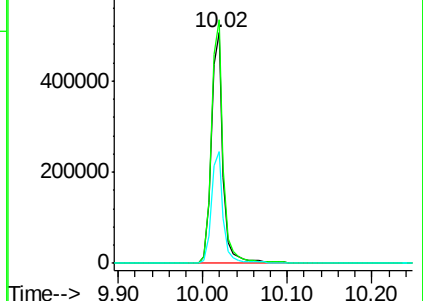
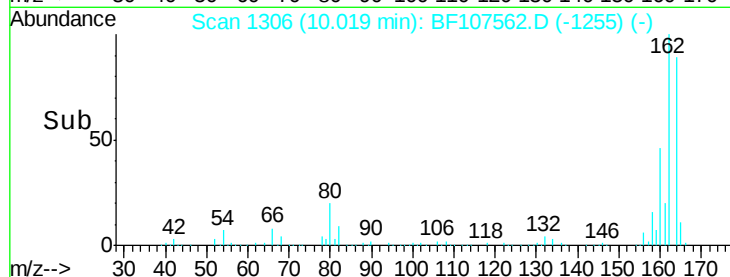
160 48.2 38.3 57.5



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: 86.849 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

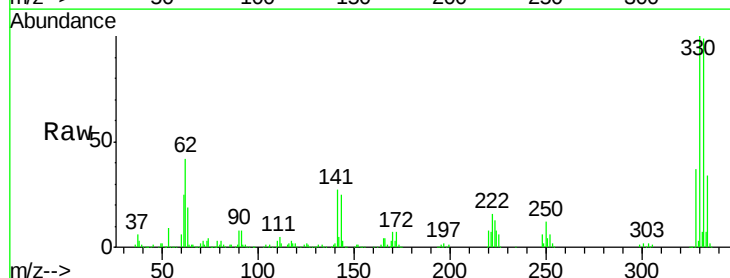
Tgt Ion:330 Resp: 493785

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

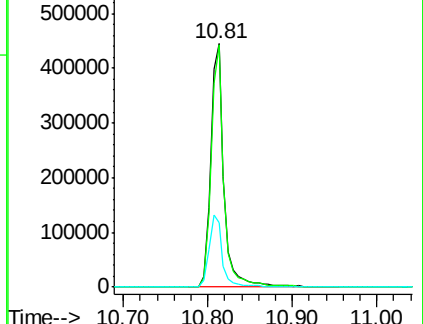
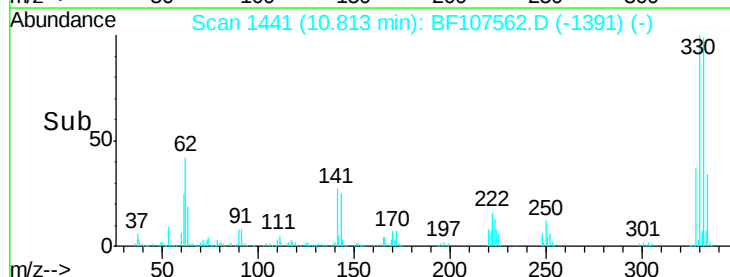
141 30.2 29.9 44.9

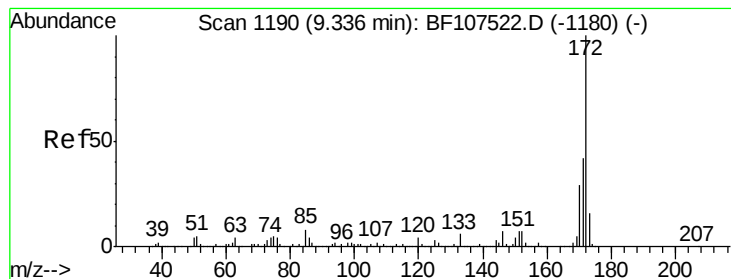


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

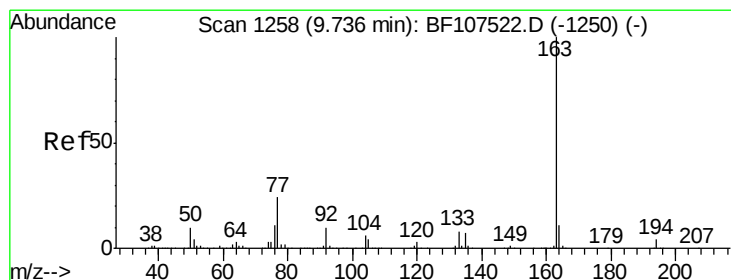
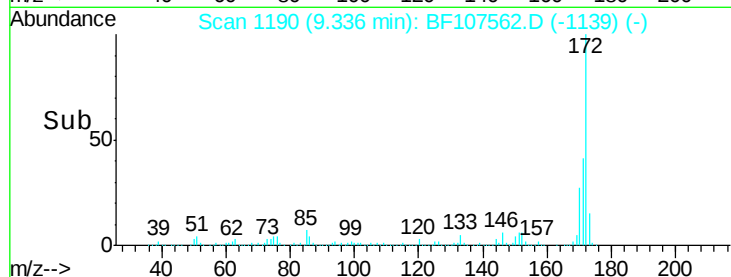
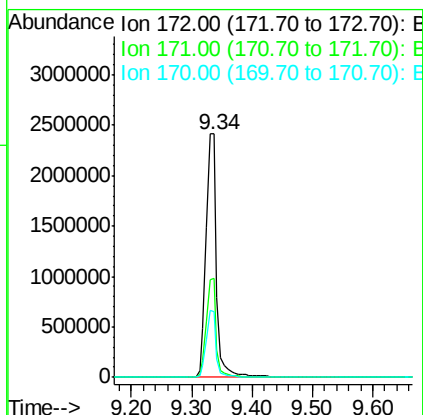
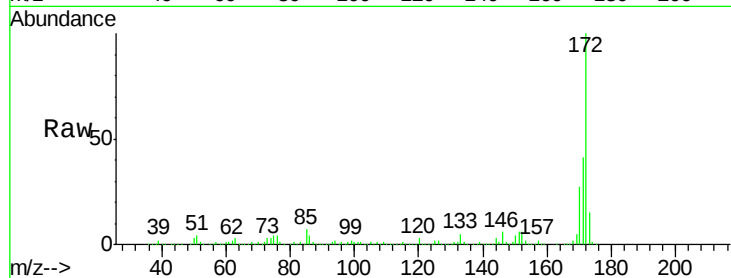




#44
 2-Fluorobiphenyl
 Concen: 111.081 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF107562.D
 Acq: 21 Jul 2018 8:57

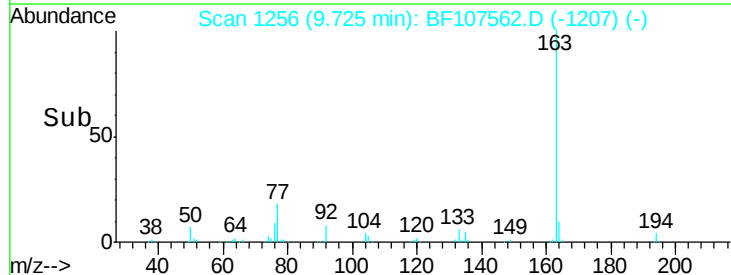
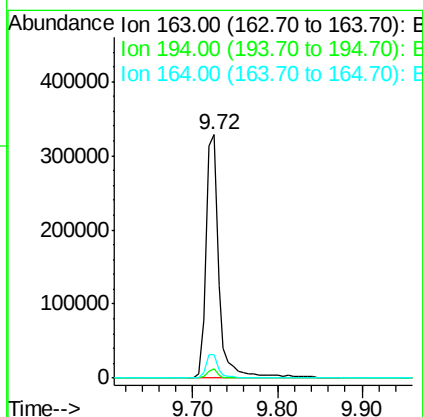
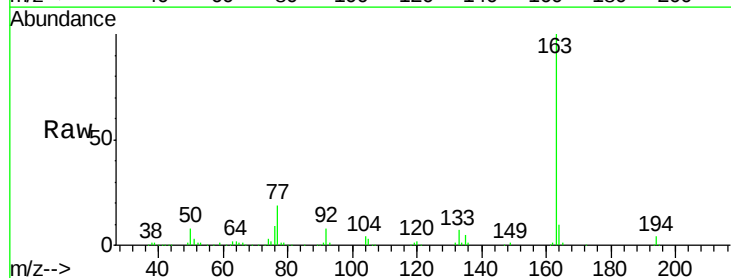
Instrument :
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 071718-DBRI-E-U-M

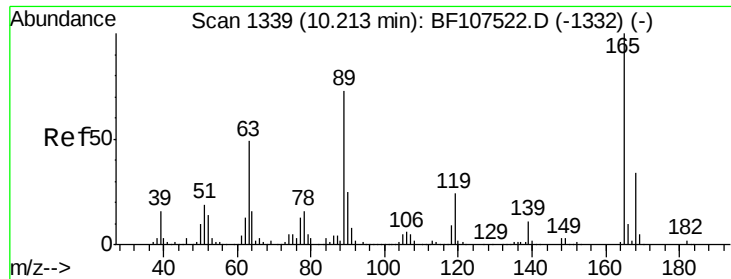
Tgt Ion:172 Resp: 2985678
 Ion Ratio Lower Upper
 172 100
 171 40.7 29.7 44.5
 170 27.2 19.6 29.4



#49
 Dimethylphthalate
 Concen: 9.337 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF107562.D
 Acq: 21 Jul 2018 8:57

Tgt Ion:163 Resp: 351842
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.7 4.1
 164 9.6 8.2 12.2

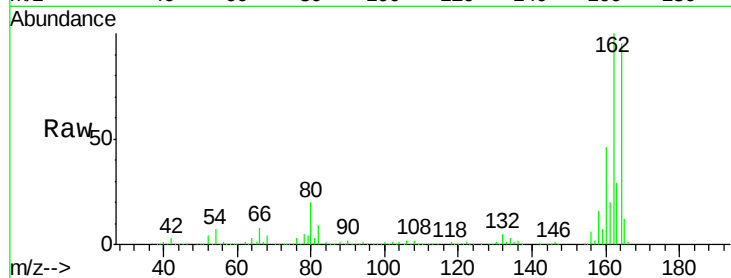




#56
 2,4-Dinitrotoluene
 Concen: 6.961 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107562.D
 Acq: 21 Jul 2018 8:57

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-U-M

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

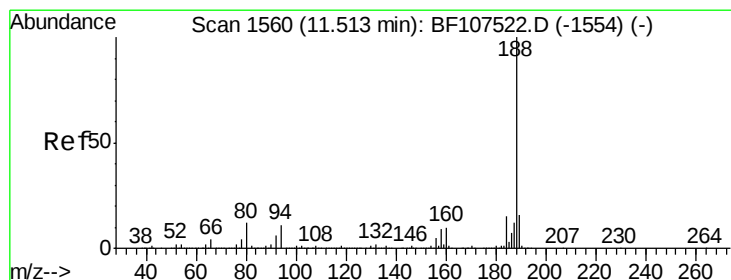
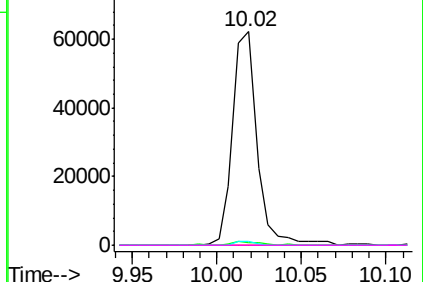
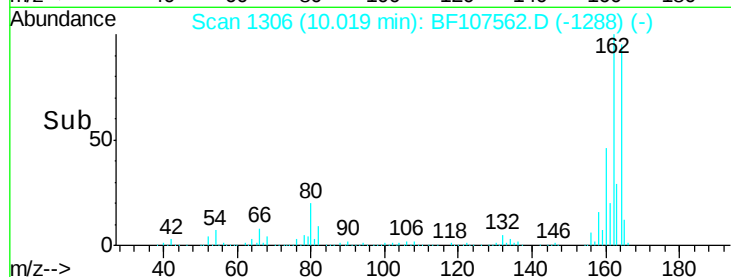


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

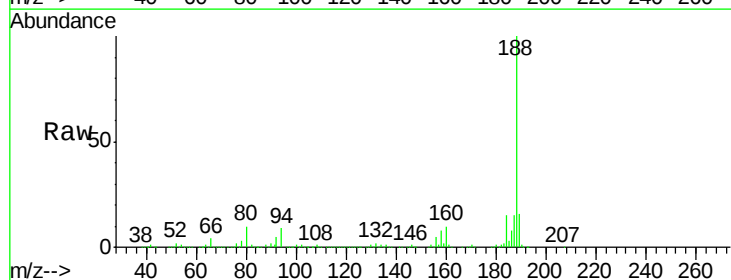
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF107562.D
 Acq: 21 Jul 2018 8:57

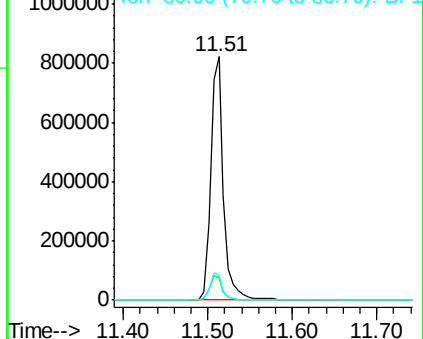
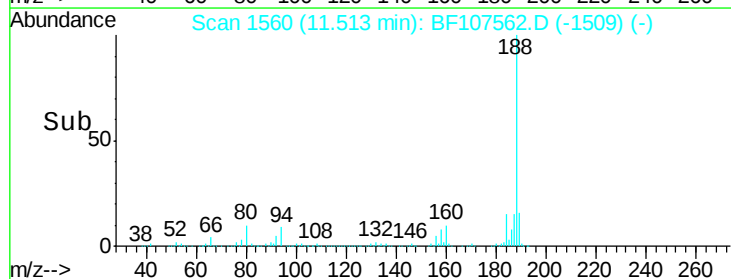
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.0	9.2	13.8

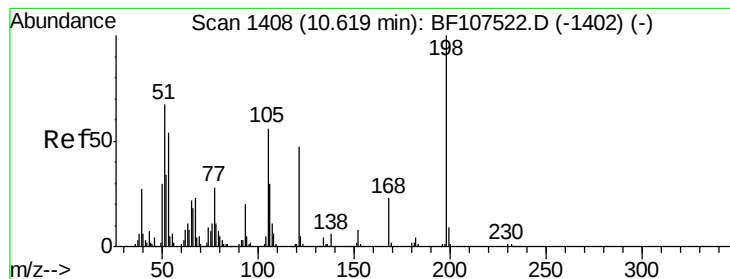


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.851 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-U-M

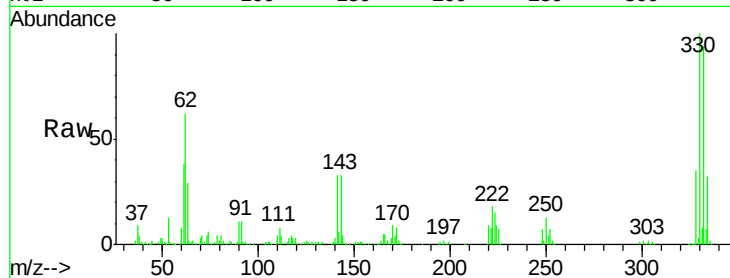
Tgt Ion:198 Resp: 878

Ion Ratio Lower Upper

198 100

51 189.1 37.7 77.7#

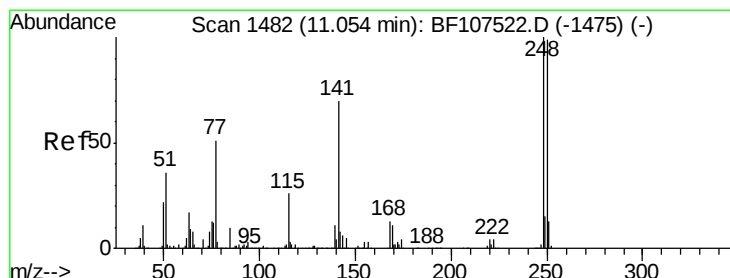
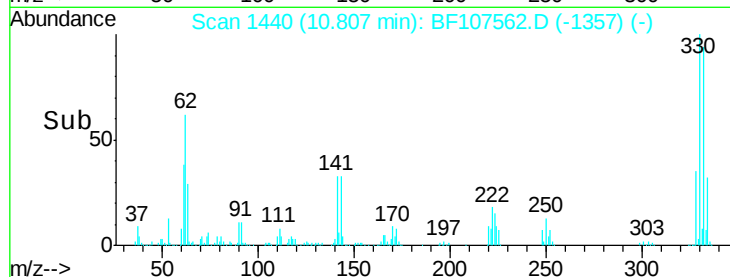
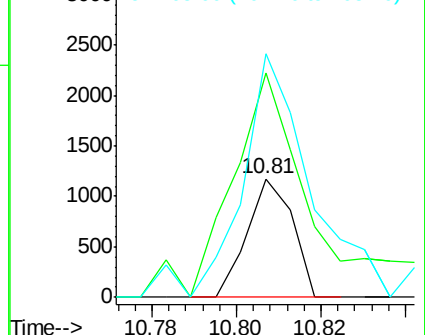
105 204.9 36.3 76.3#



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: 2.987 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.24 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

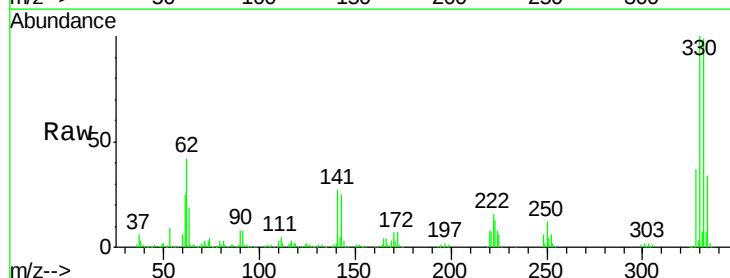
Tgt Ion:248 Resp: 30741

Ion Ratio Lower Upper

248 100

250 182.2 76.9 115.3#

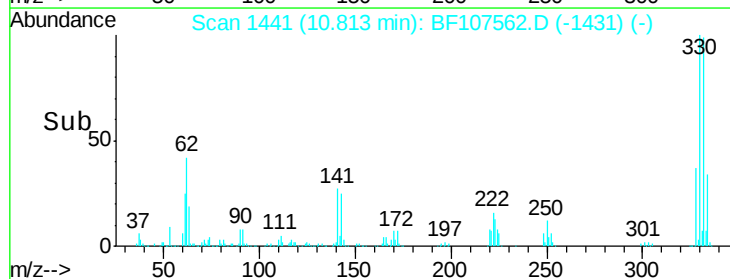
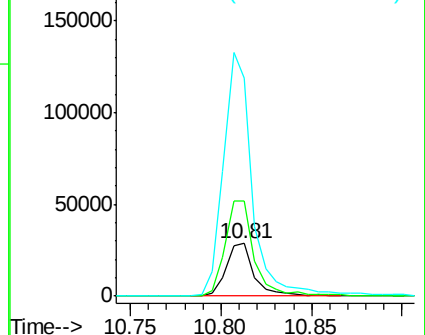
141 415.7 74.4 111.6#

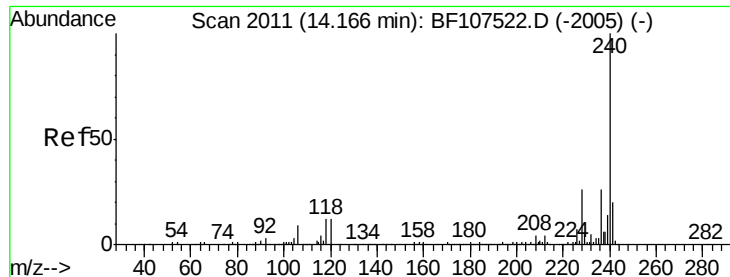


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-U-M

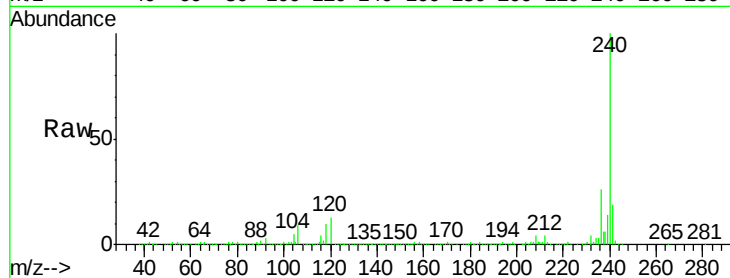
Tgt Ion:240 Resp: 740202

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

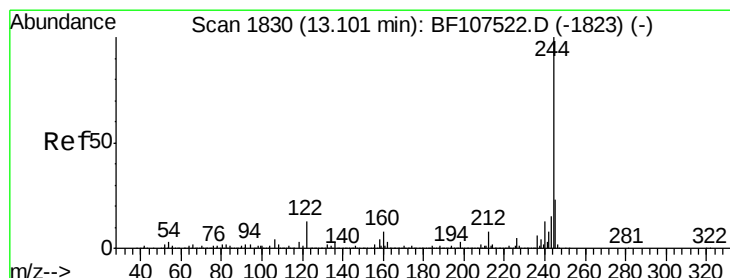
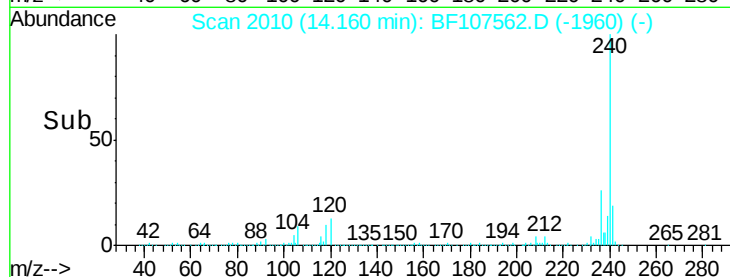
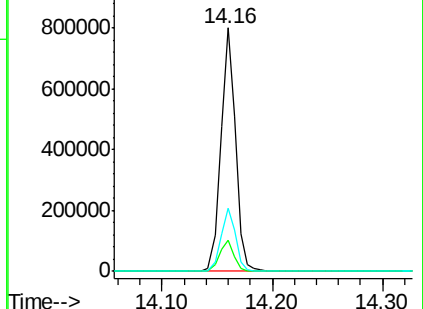
236 26.0 20.7 31.1



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: 84.496 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107562.D

Acq: 21 Jul 2018 8:57

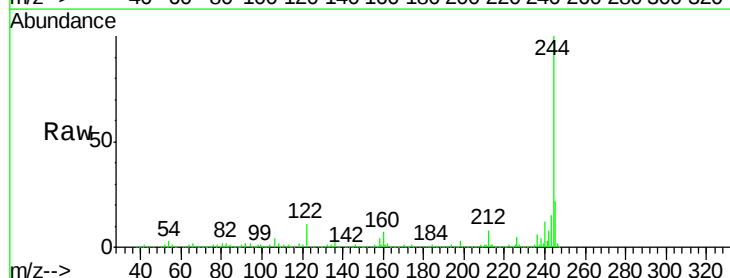
Tgt Ion:244 Resp: 2443039

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

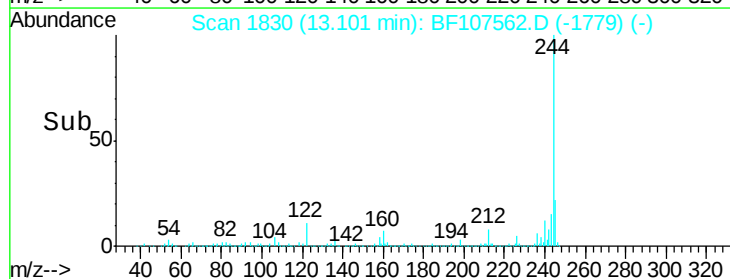
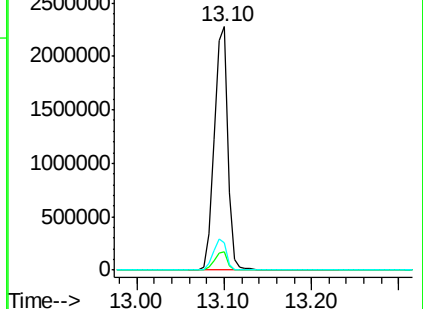
122 11.3 11.0 16.4

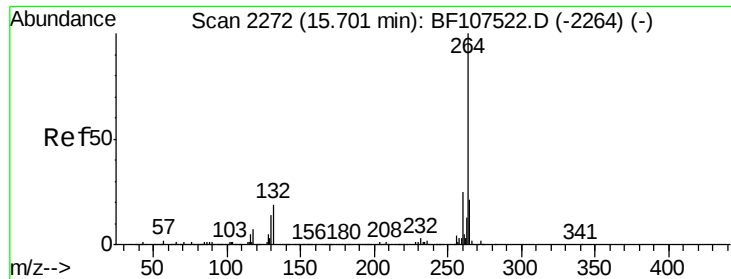


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

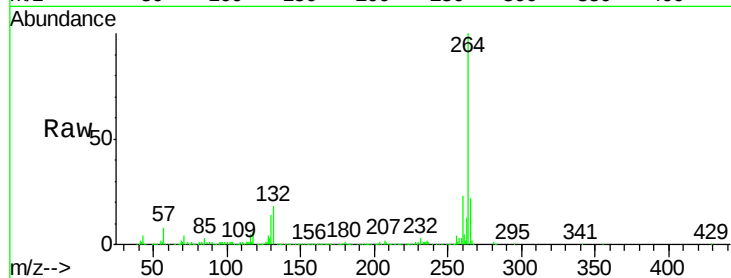




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107562.D
Acq: 21 Jul 2018 8:57

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-U-M

Tgt Ion: 264 Resp: 548946
Ion Ratio Lower Upper
264 100
260 23.5 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

