

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105059.D
 Acq On : 3 May 2018 4:42
 Operator : JU/SJ
 Sample : J2684-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-B

Quant Time: May 03 07:02:17 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

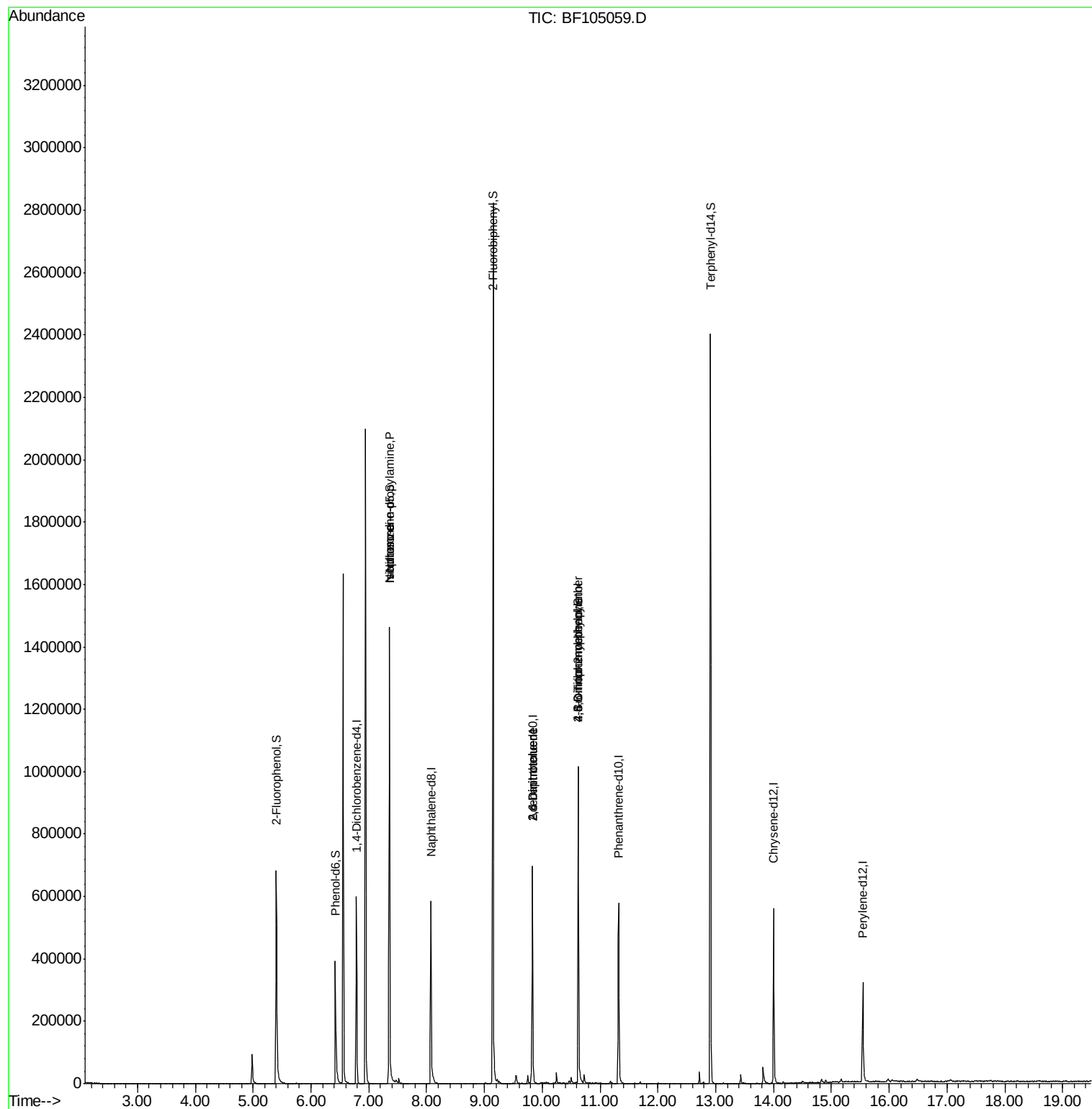
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	86037	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	348625	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	150025	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	251611	20.00	ng	0.00
75) Chrysene-d12	14.00	240	221286	20.00	ng	-0.03
86) Perylene-d12	15.54	264	173823	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	248617	44.18	ng	0.00
7) Phenol-d6	6.42	99	180571	26.12	ng	-0.02
23) Nitrobenzene-d5	7.36	82	535379	100.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	138311	88.87	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	937934	98.76	ng	0.00
78) Terphenyl-d14	12.91	244	872646	89.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	69050	15.284	ng	# 70
25) Isophorone	7.36	82	531180	47.049	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	19224	8.782	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	19224	6.695	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	110	7.423	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	8050	3.008	ng	# 1
76) Benzidine	12.91	184	11069	Below Cal		# 96

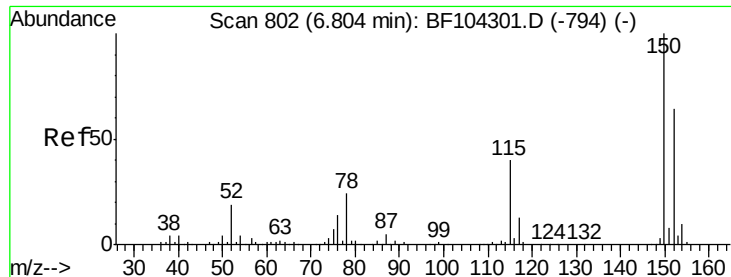
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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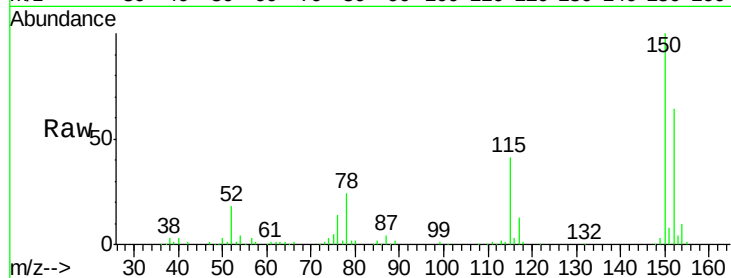


#1

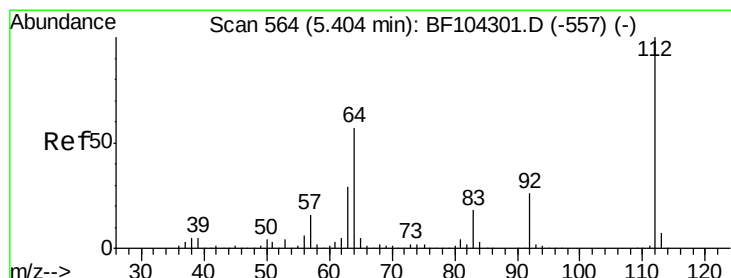
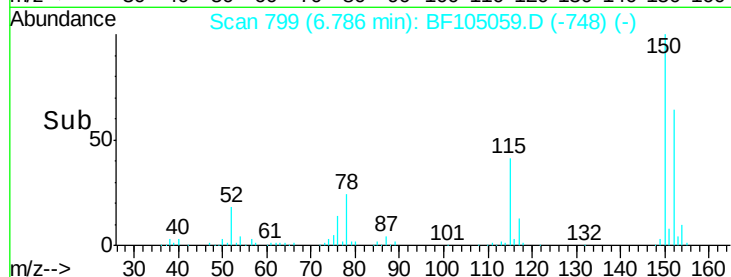
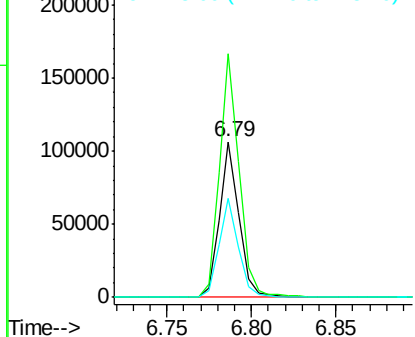
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105059.D
Acq: 3 May 2018 4:42

Instrument :
BNA_F
ClientSampleId :
043018-DBRI-E-D-B

Tgt Ion:152 Resp: 86037
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 63.6 50.1 75.1



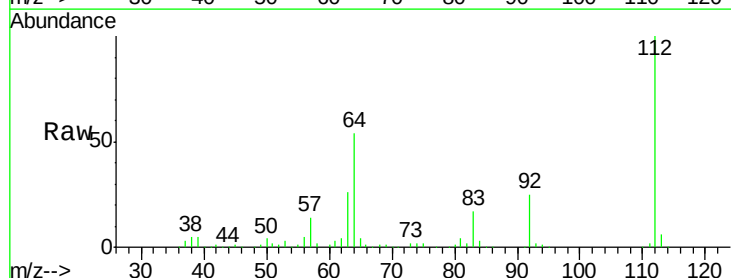
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



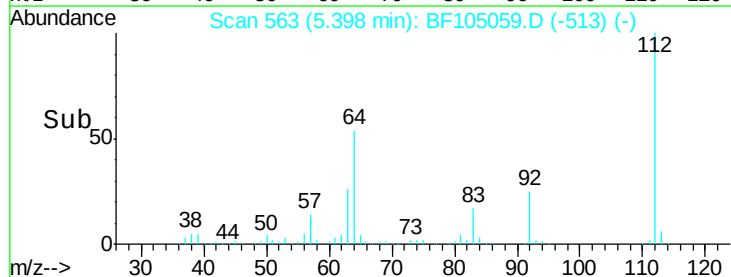
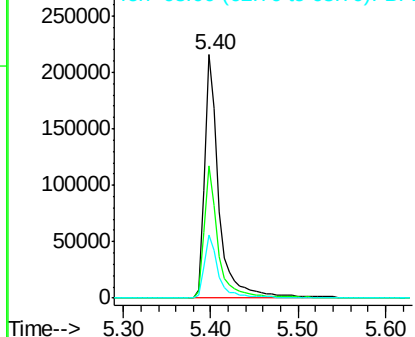
#5

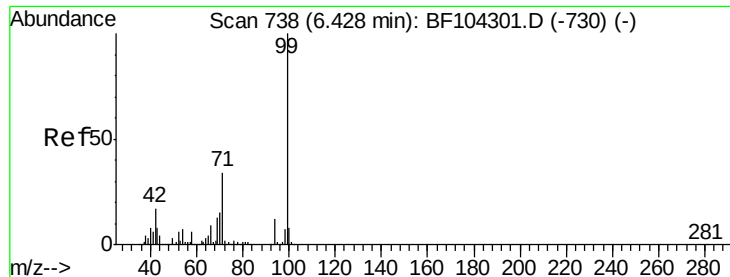
2-Fluorophenol
Concen: 44.184 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF105059.D
Acq: 3 May 2018 4:42

Tgt Ion:112 Resp: 248617
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 25.9 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: 26.119 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-B

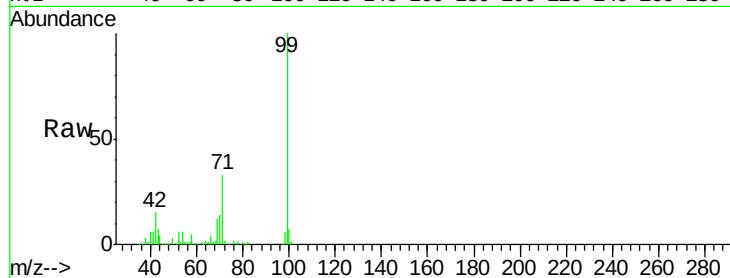
Tgt Ion: 99 Resp: 180571

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

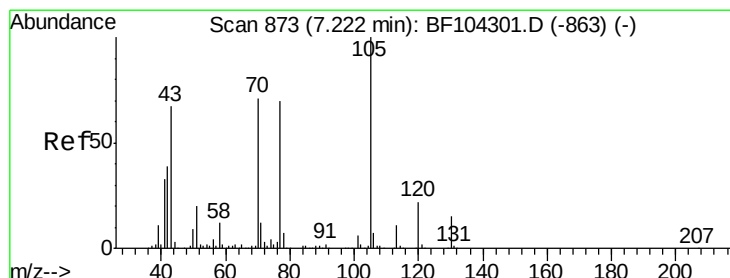
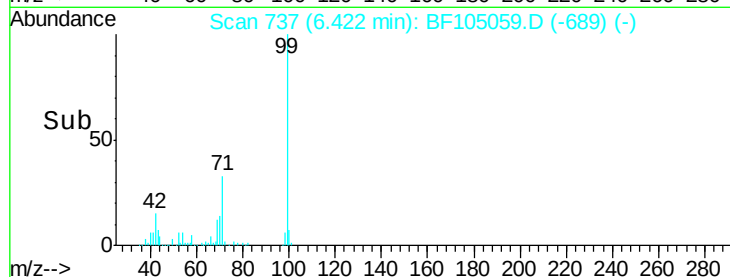
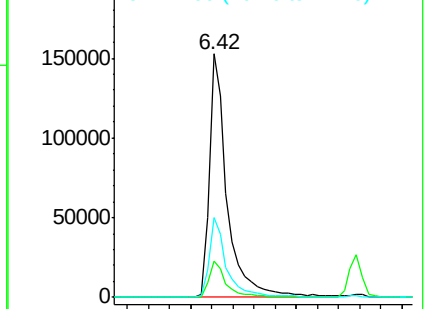
71 32.5 25.4 38.0



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: 15.284 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Tgt Ion: 70 Resp: 69050

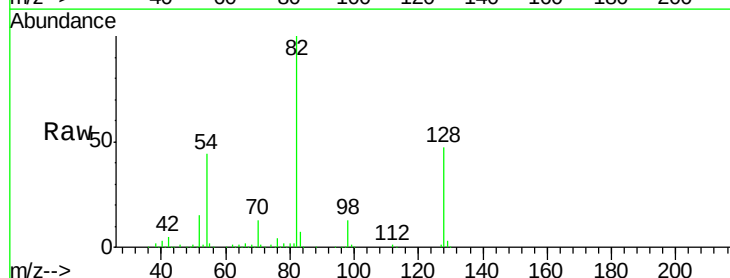
Ion Ratio Lower Upper

70 100

42 38.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

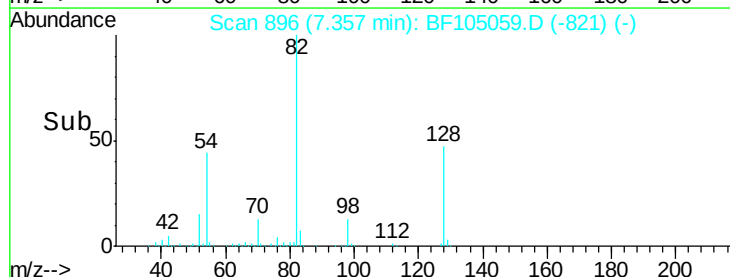
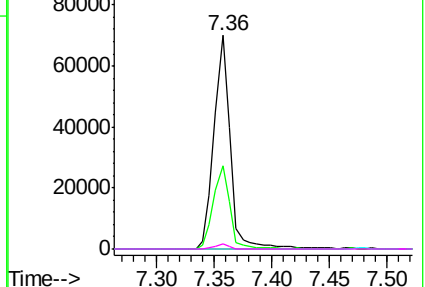


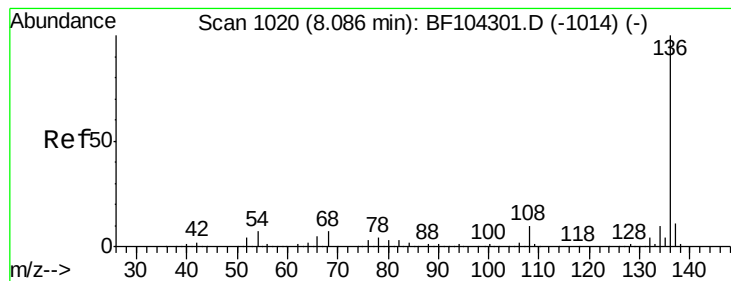
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-B

Tgt Ion: 136 Resp: 348625

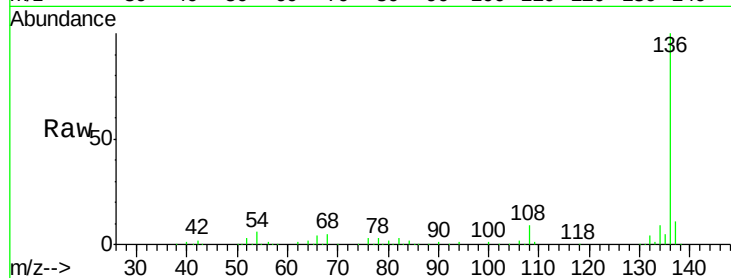
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 5.6 6.6 9.8#

68 4.8 5.0 7.4#

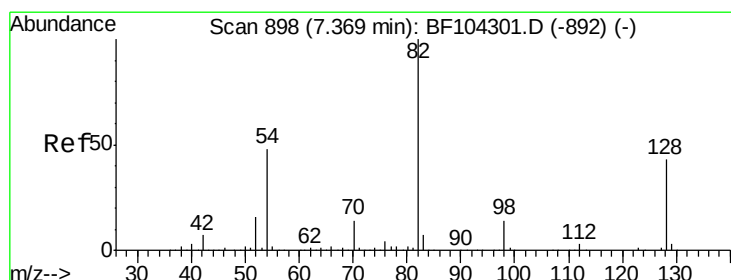
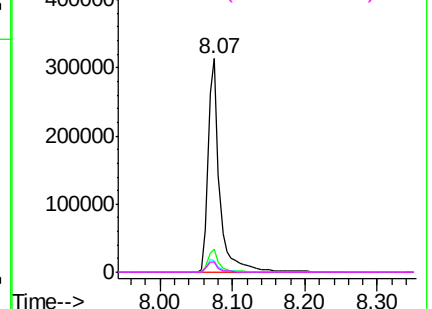
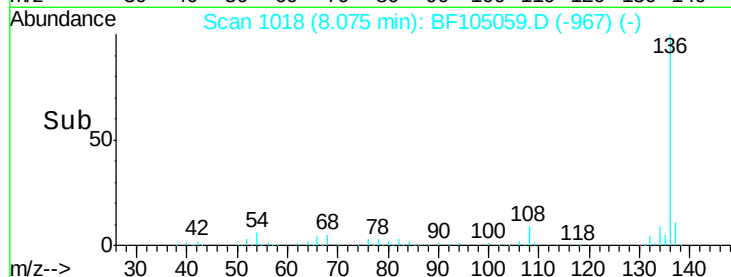


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.277 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

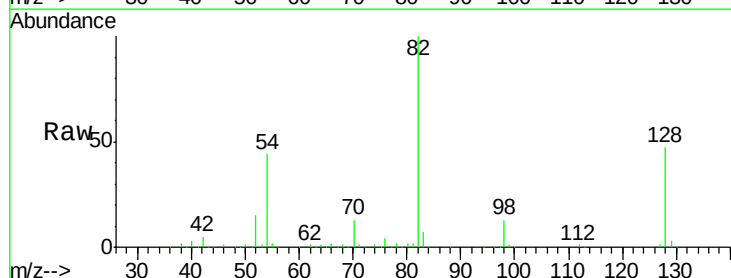
Tgt Ion: 82 Resp: 535379

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

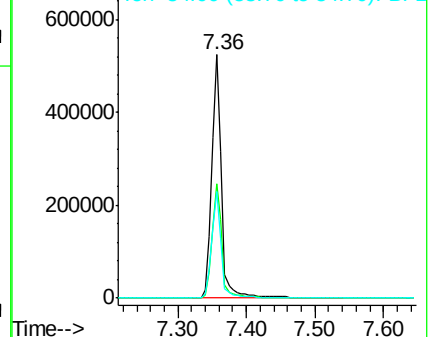
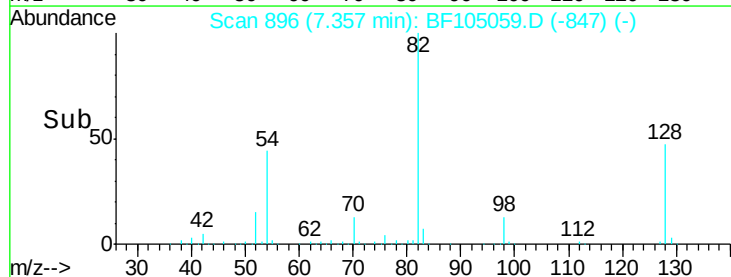
54 43.7 41.4 62.2

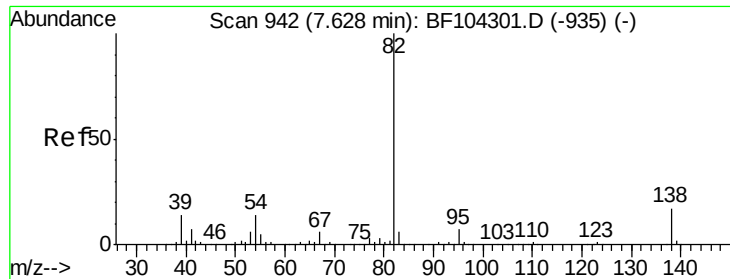


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.049 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

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ClientSampleId :

043018-DBRI-E-D-B

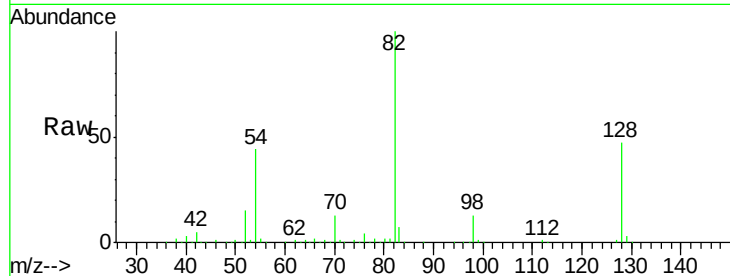
Tgt Ion: 82 Resp: 531180

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

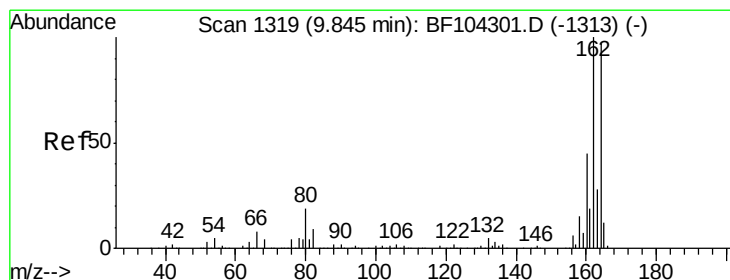
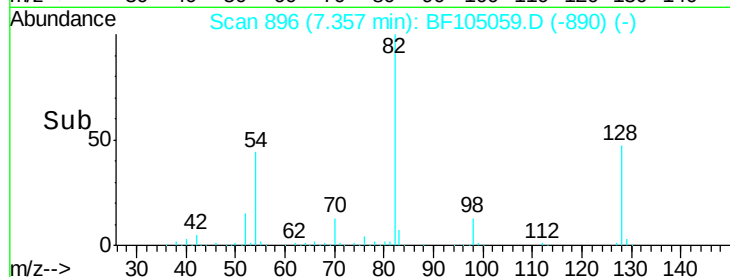
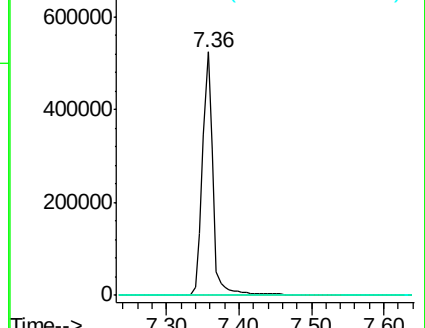
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

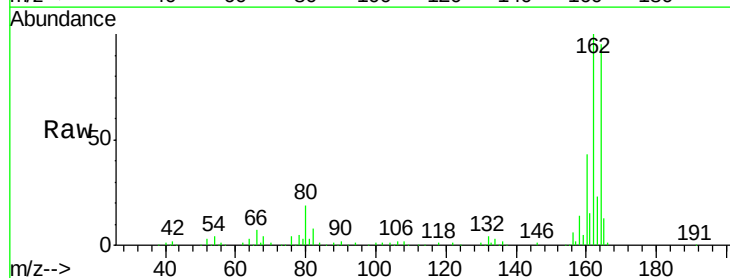
Tgt Ion: 164 Resp: 150025

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

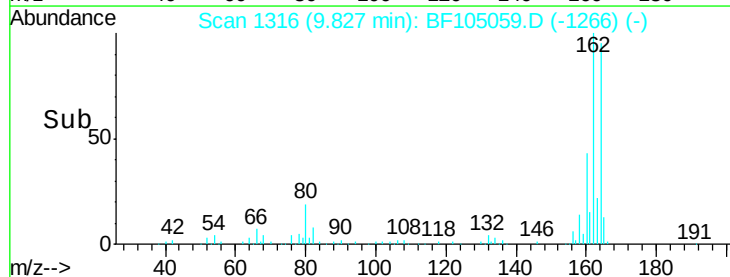
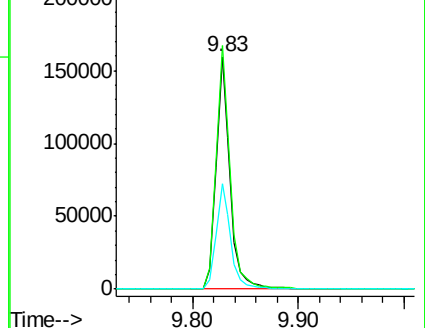
160 45.3 38.3 57.5

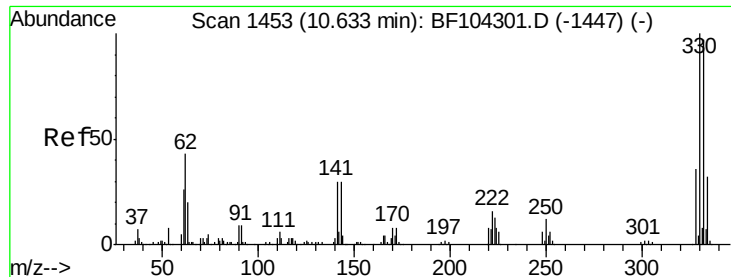


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

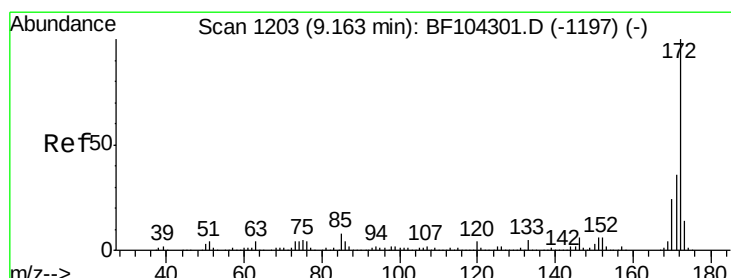
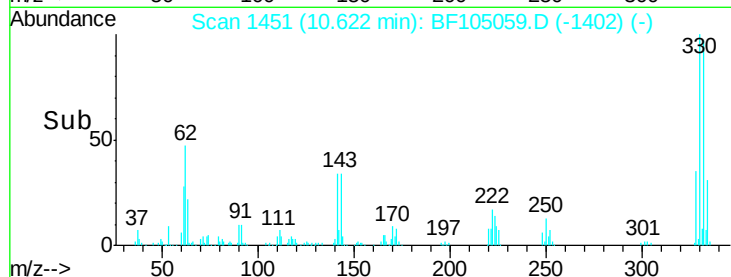
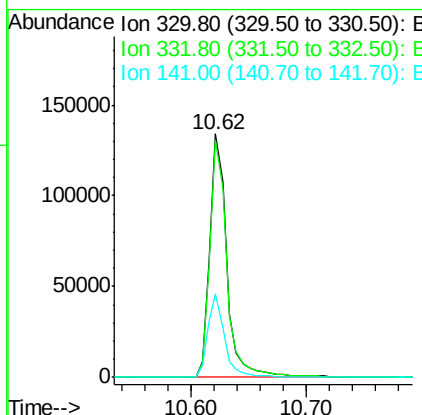
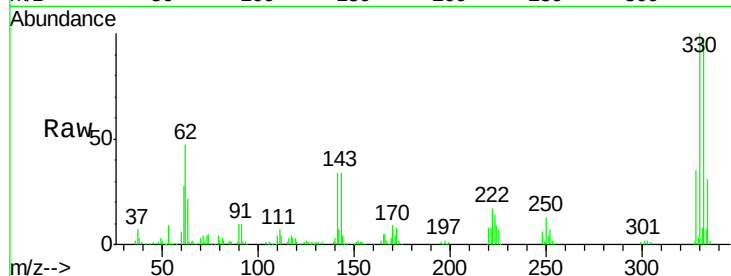




#41
 2,4,6-Tribromophenol
 Concen: 88.875 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105059.D
 Acq: 3 May 2018 4:42

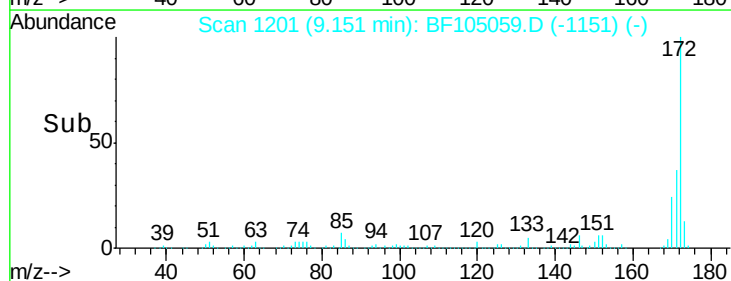
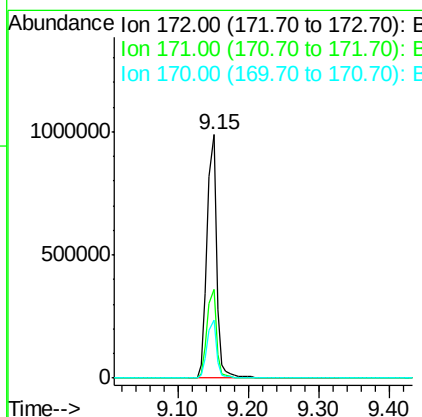
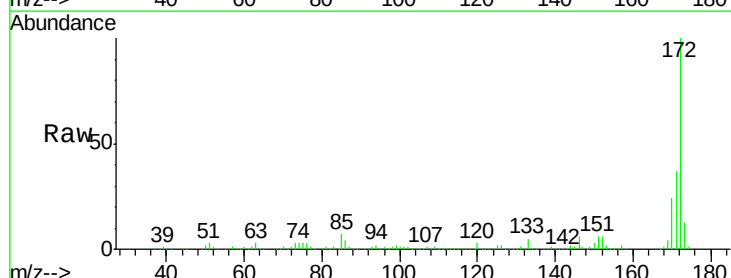
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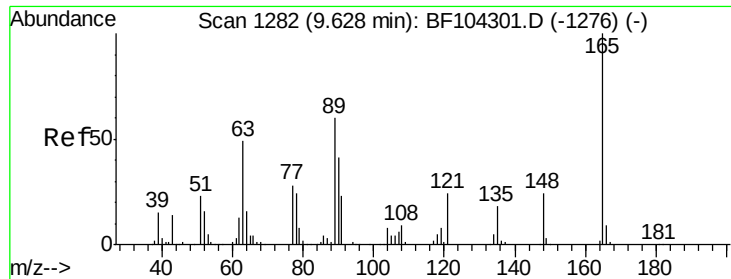
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	33.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 98.764 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105059.D
 Acq: 3 May 2018 4:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4

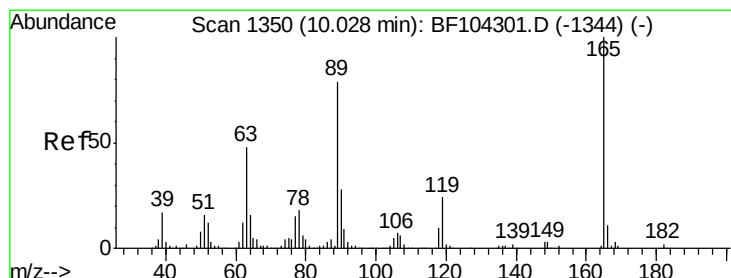
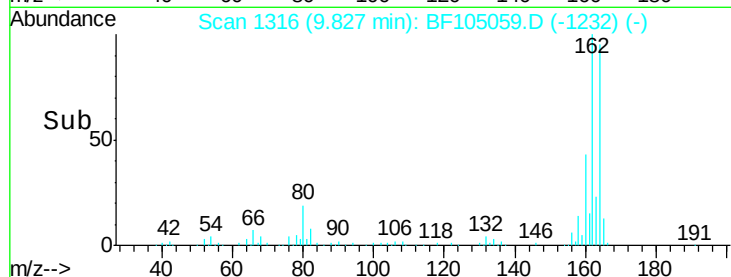
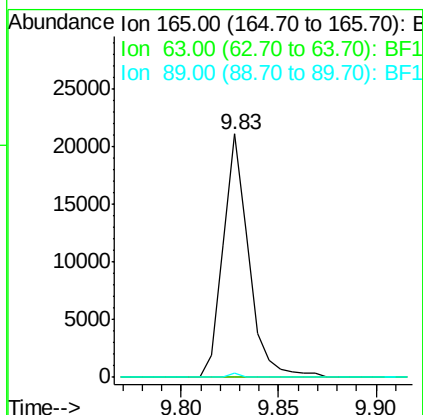
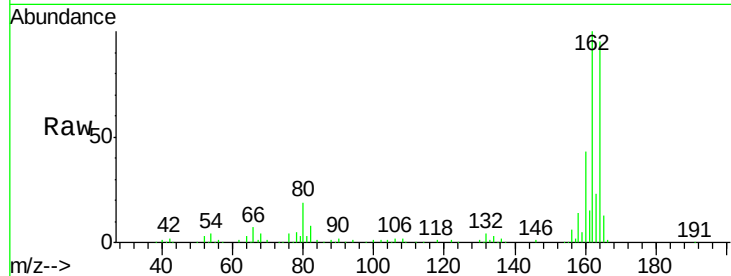




#50
 2,6-Dinitrotoluene
 Concen: 8.782 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105059.D
 Acq: 3 May 2018 4:42

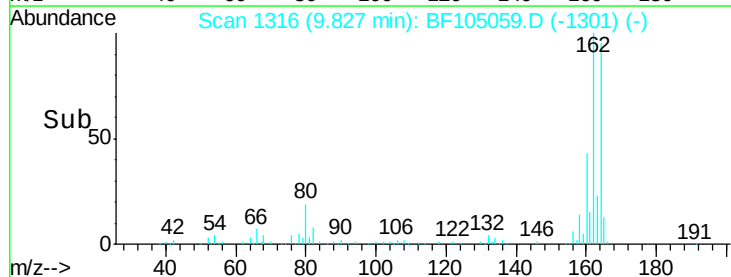
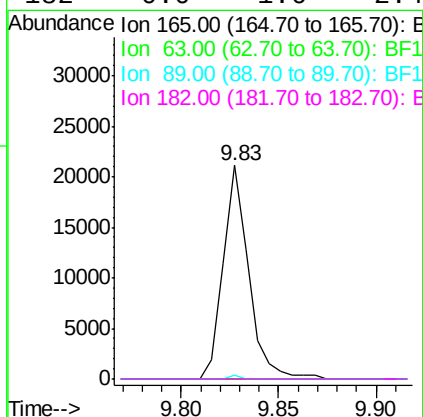
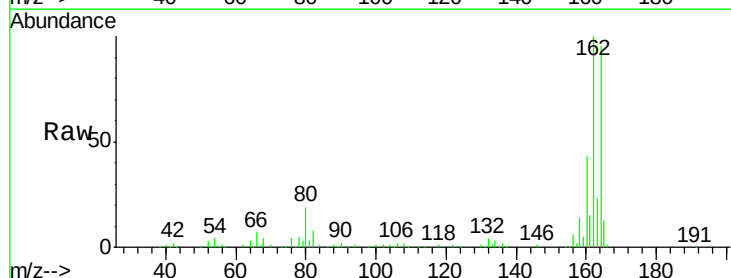
Instrument :
 BNA_F
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 043018-DBRI-E-D-B

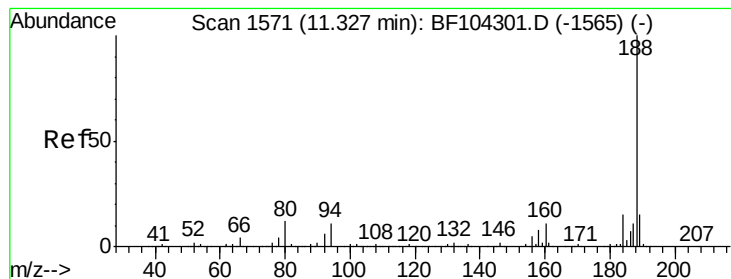
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.695 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105059.D
 Acq: 3 May 2018 4:42

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-B

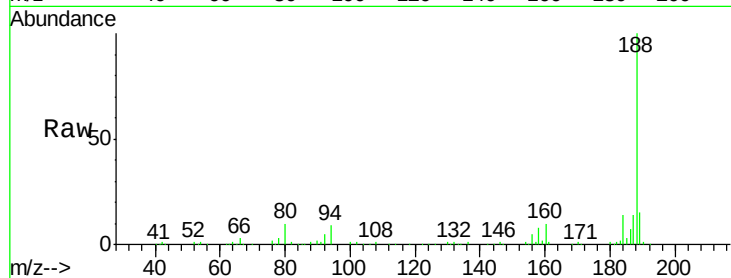
Tgt Ion:188 Resp: 251611

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

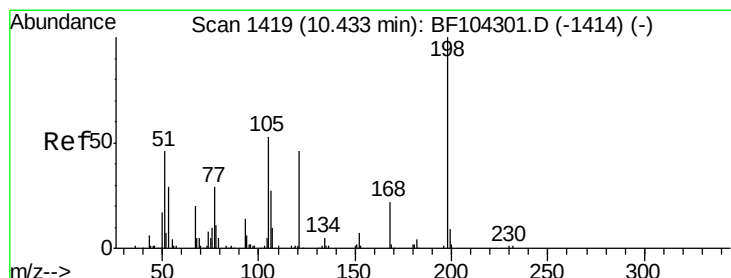
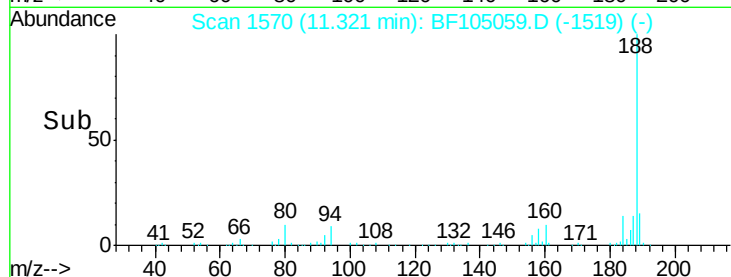
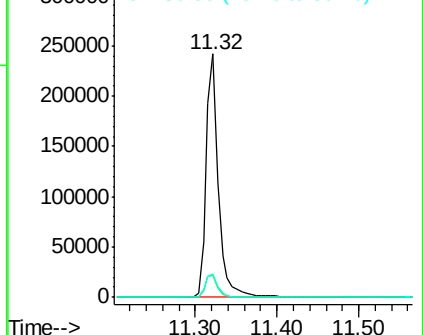
80 9.5 9.2 13.8



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: 7.423 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.17 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

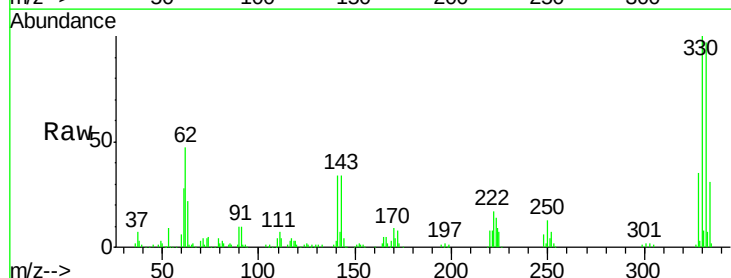
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 146.3 37.7 77.7#

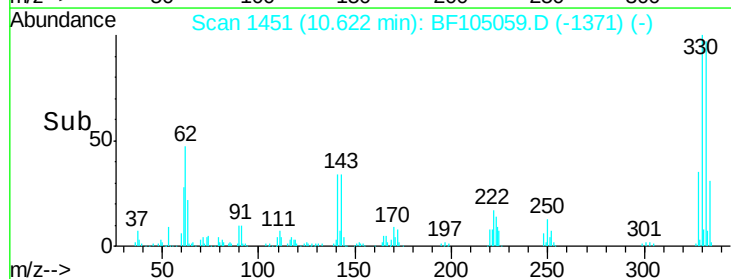
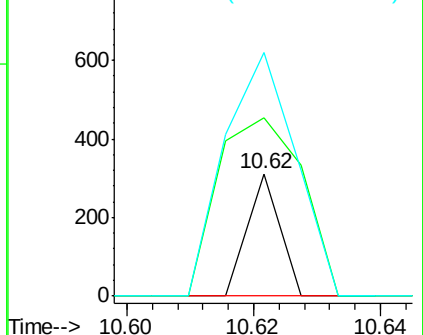
105 199.4 36.3 76.3#

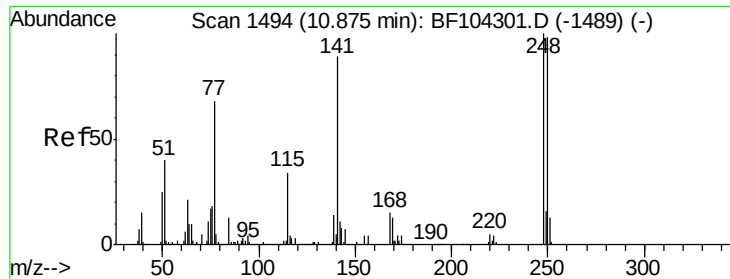


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.008 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-B

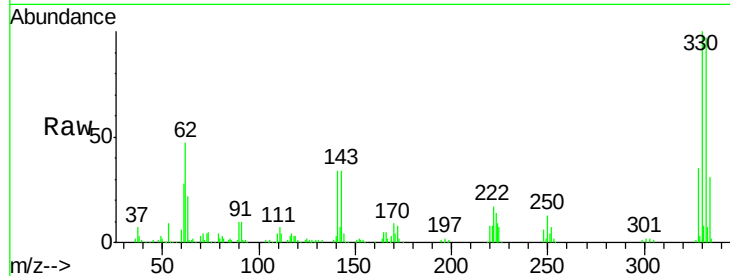
Tgt Ion:248 Resp: 8050

Ion Ratio Lower Upper

248 100

250 209.4 76.9 115.3#

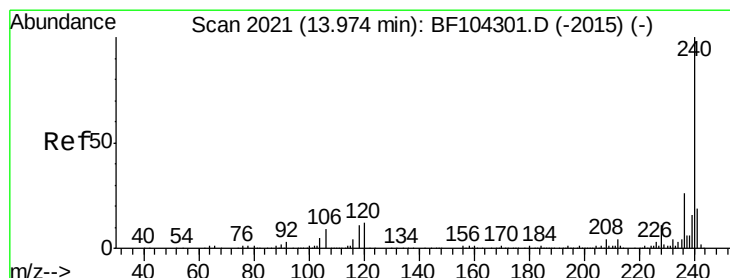
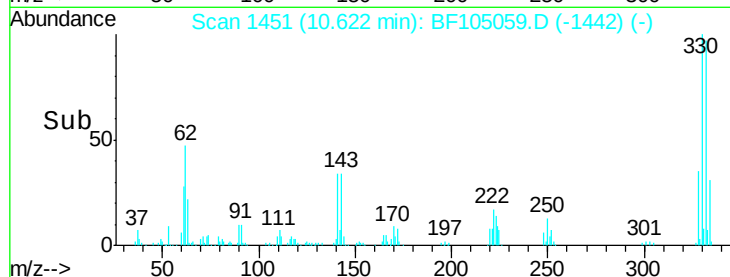
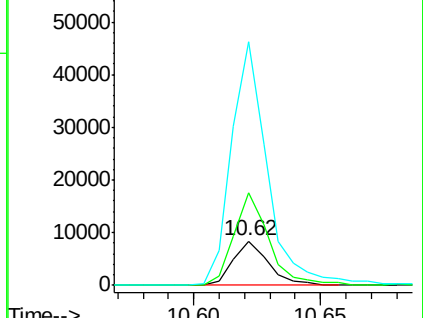
141 552.8 74.4 111.6#



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: 14.00 min Scan# 2026

Delta R.T. -0.03 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

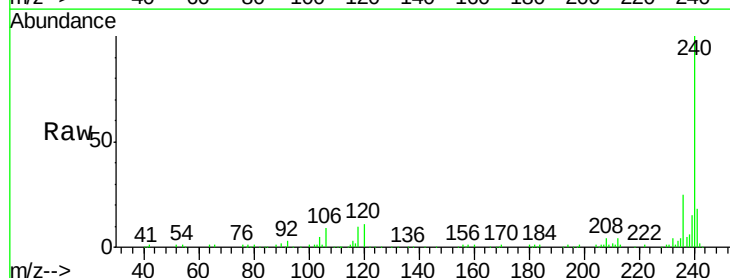
Tgt Ion:240 Resp: 221286

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

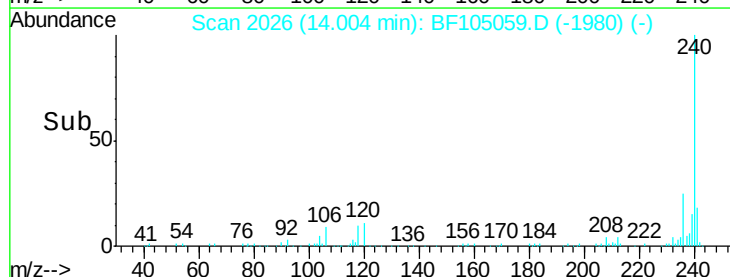
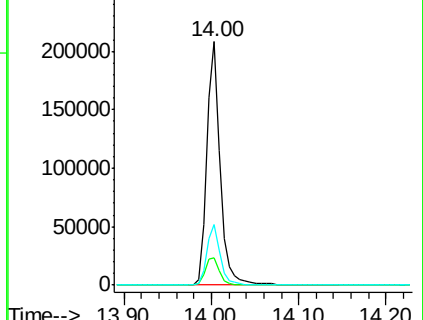
236 25.0 20.7 31.1

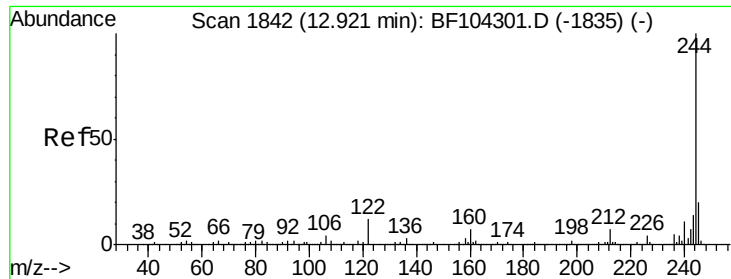


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 89.906 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-B

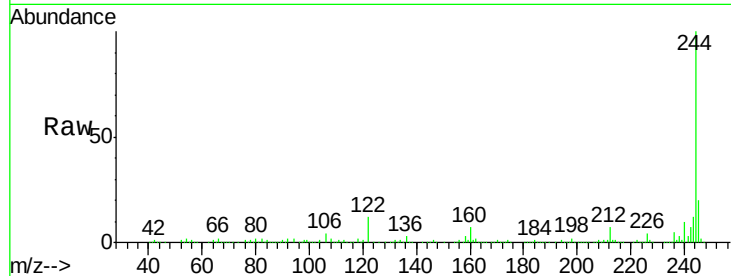
Tgt Ion:244 Resp: 872646

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

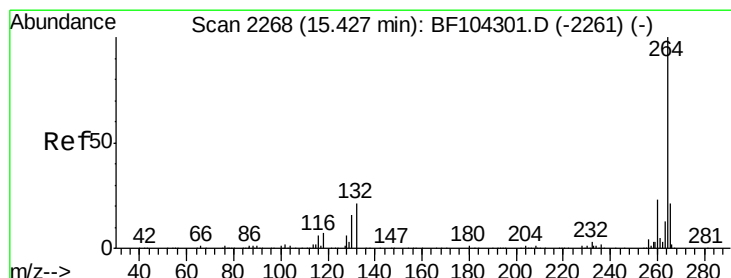
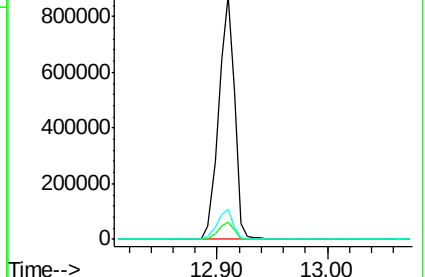
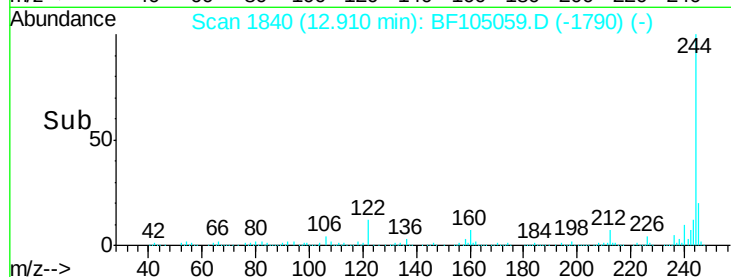
122 12.3 11.0 16.4



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: 15.54 min Scan# 2288

Delta R.T. -0.05 min

Lab File: BF105059.D

Acq: 3 May 2018 4:42

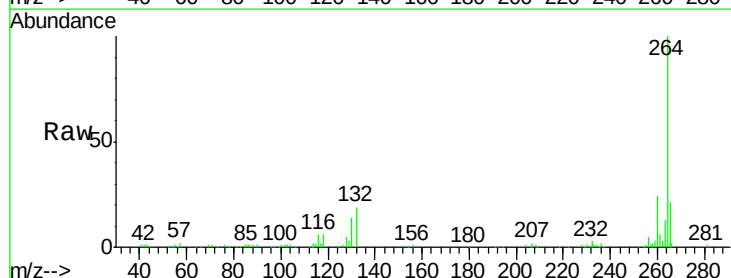
Tgt Ion:264 Resp: 173823

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.1 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

