

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
 Data File : BF107510.D
 Acq On : 19 Jul 2018 12:00
 Operator : JU/SJ
 Sample : J4033-03RE
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071618-DBRI-F-D-BRE

Quant Time: Jul 19 13:18:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

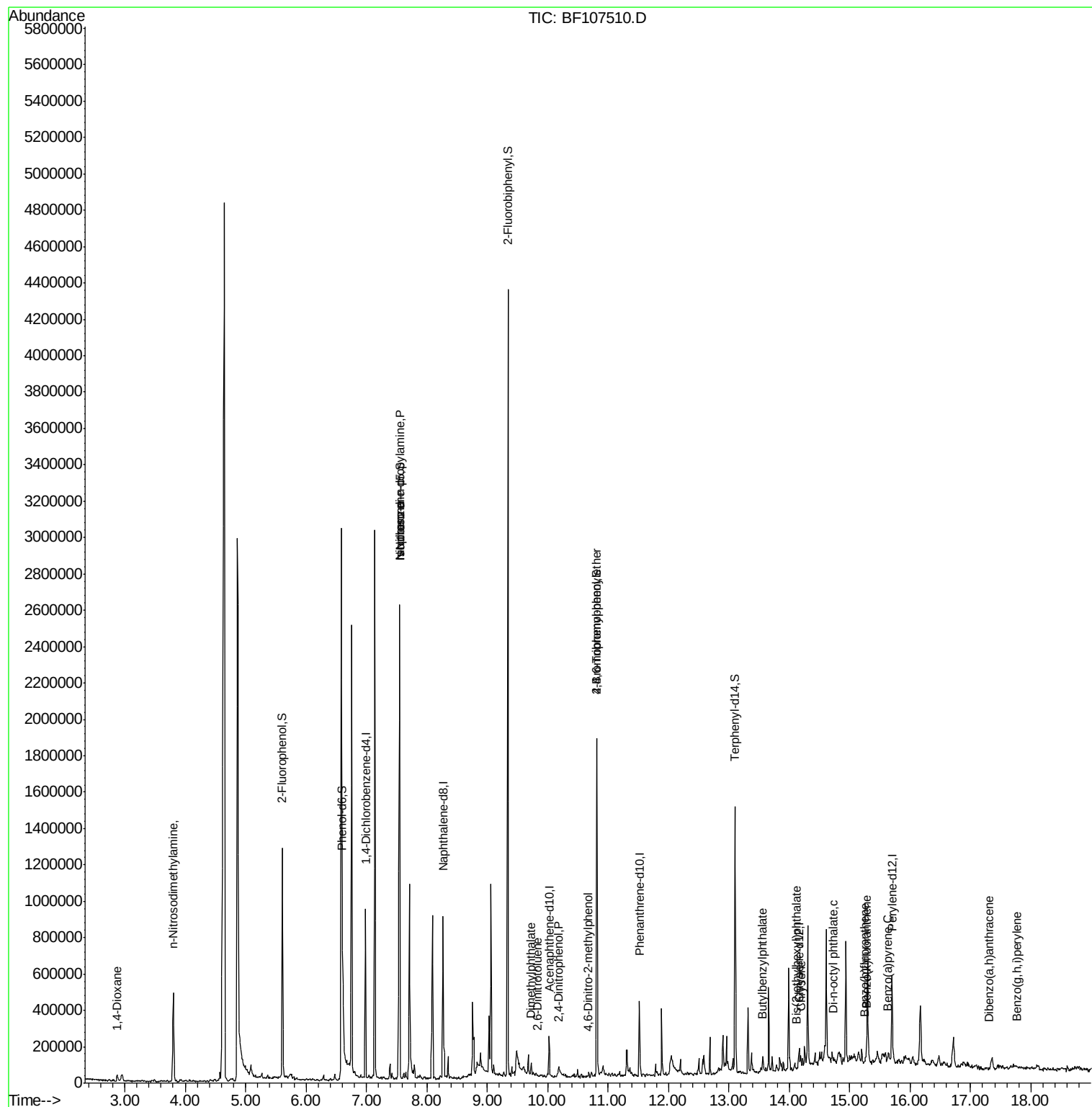
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	103678	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	279856	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	19521	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	89697	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	10614	20.00	ng	-0.01
86) Perylene-d12	15.69	264	381	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	277571	40.66	ng	0.00
7) Phenol-d6	6.60	99	36723	4.16	ng	-0.01
23) Nitrobenzene-d5	7.55	82	794994	151.48	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	176499	1029.06	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1238543	1200.07	ng	0.00
78) Terphenyl-d14	13.10	244	268922	629.51	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.87	88	15270	4.531	ng	# 87
4) n-Nitrosodimethylamine	3.81	42	18662	5.000	ng	# 1
19) n-Nitroso-di-n-propylamine	7.55	70	134351	21.260	ng	# 75
25) Isophorone	7.55	82	794326	76.359	ng	# 64
49) Dimethylphthalate	9.72	163	22248	14.344	ng	# 94
50) 2,6-Dinitrotoluene	9.84	165	705	2.382	ng	# 56
53) 2,4-Dinitrophenol	10.19	184	127	4.019	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.67	198	158	7.767	ng	# 23
66) 4-Bromophenyl-phenylether	10.82	248	19950	19.440	ng	# 1
79) Butylbenzylphthalate	13.55	149	772	2.936	ng	# 68
82) Chrysene	14.18	228	1266	2.041	ng	# 67
83) Bis(2-ethylhexyl)phthalate	14.12	149	1619	4.297	ng	# 53
84) Di-n-octyl phthalate	14.74	149	1405	2.399	ng	# 1
87) Benzo(b)fluoranthene	15.25	252	412	18.475	ng	# 1
88) Benzo(k)fluoranthene	15.27	252	396	18.196	ng	# 1
89) Benzo(a)pyrene	15.63	252	603	29.460	ng	# 1
90) Dibenzo(a,h)anthracene	17.31	278	132	8.545	ng	# 54
91) Benzo(g,h,i)perylene	17.77	276	330	21.024	ng	# 22

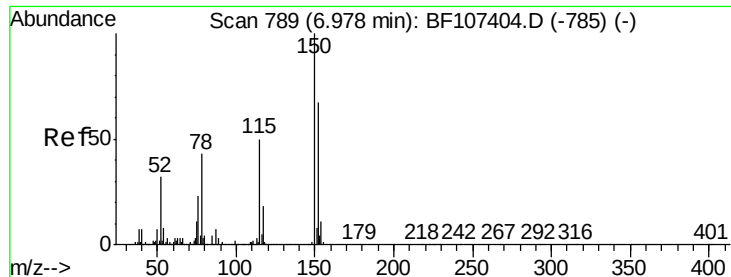
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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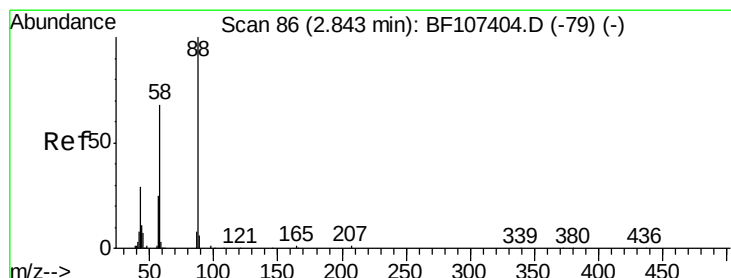
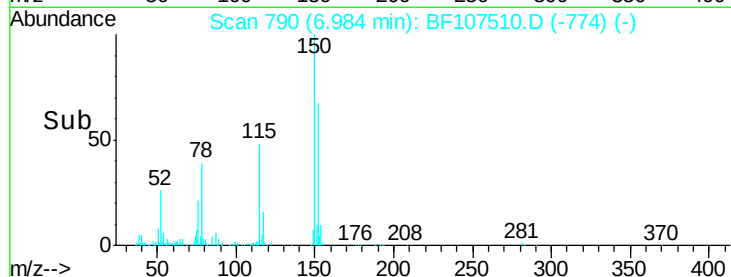
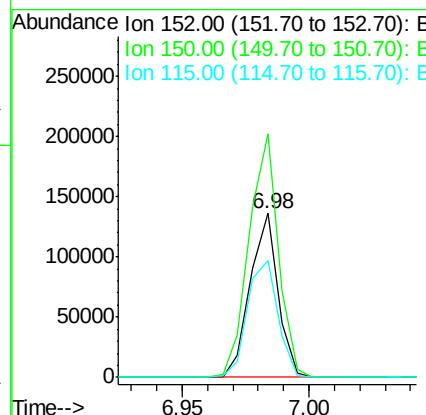
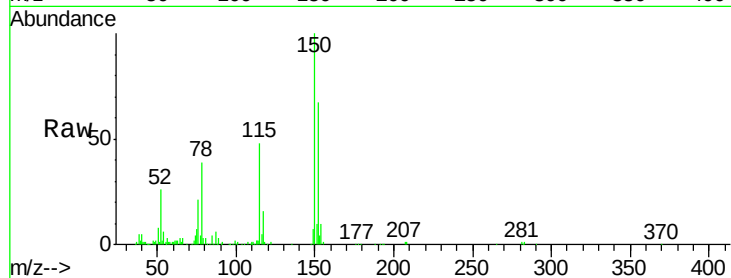


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Instrument :
BNA_F
ClientSampleId :
071618-DBRI-F-D-BRE

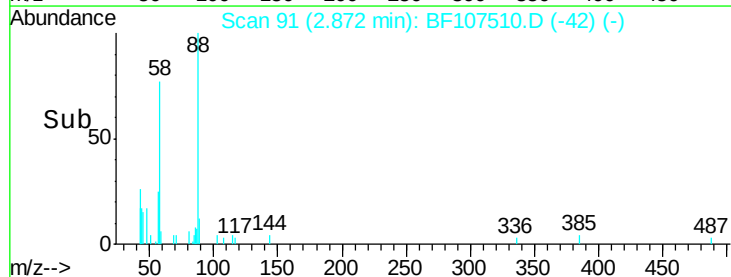
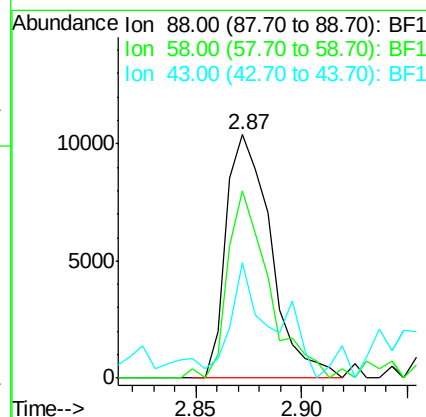
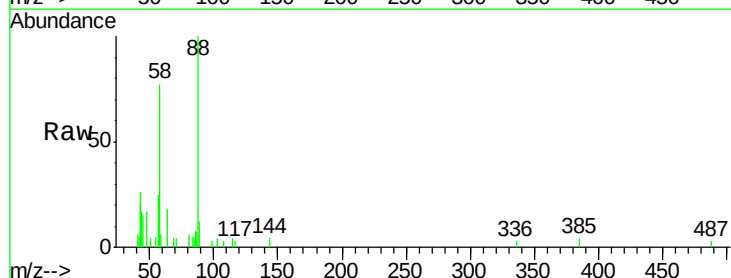
Tgt Ion: 152 Resp: 103678
Ion Ratio Lower Upper
152 100
150 148.8 124.6 186.8
115 71.1 50.1 75.1

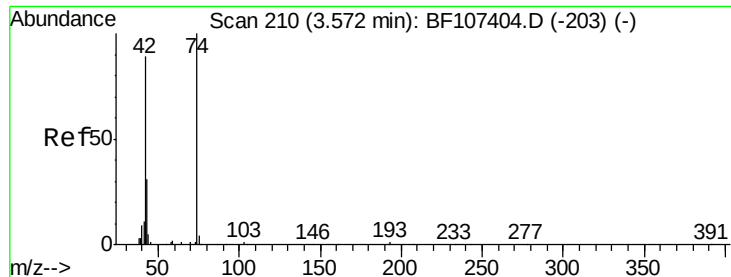


#2

1,4-Dioxane
Concen: 4.531 ng
RT: 2.87 min Scan# 91
Delta R.T. -0.01 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Tgt Ion: 88 Resp: 15270
Ion Ratio Lower Upper
88 100
58 70.6 62.6 93.8
43 44.5 24.6 37.0#





#4

n-Nitrosodimethylamine

Concen: 5.000 ng

RT: 3.81 min Scan# 250

Delta R.T. 0.19 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

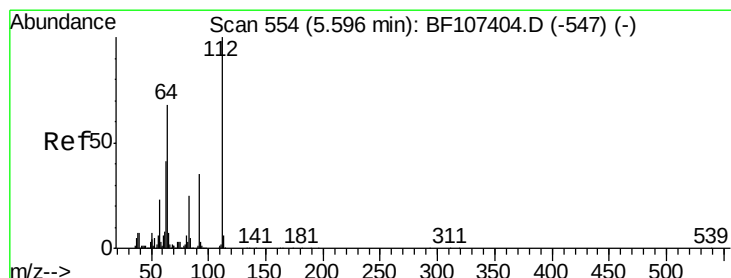
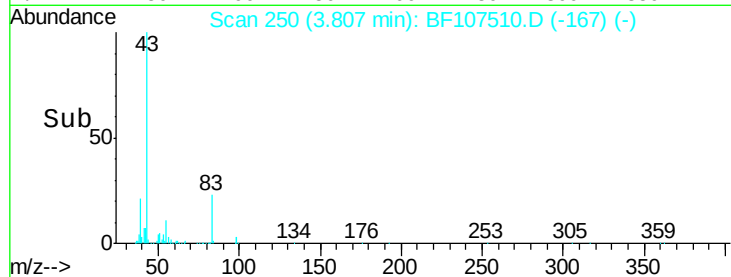
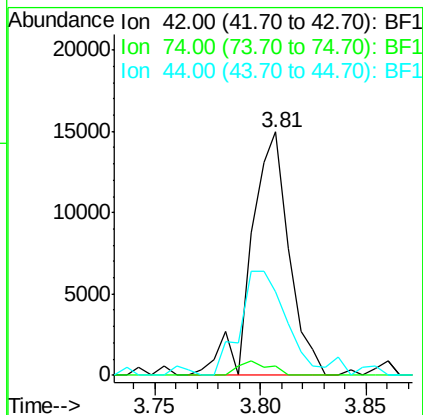
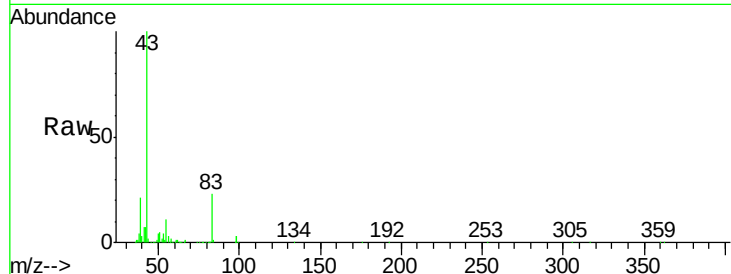
Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

Tgt Ion:	42	Resp:	18662
Ion	Ratio	Lower	Upper
42	100		
74	4.1	104.9	157.3#
44	34.4	6.9	10.3#



#5

2-Fluorophenol

Concen: 40.660 ng

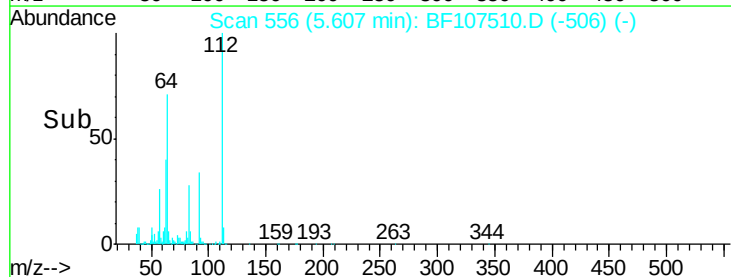
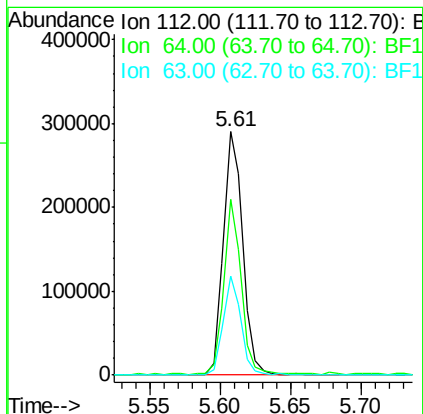
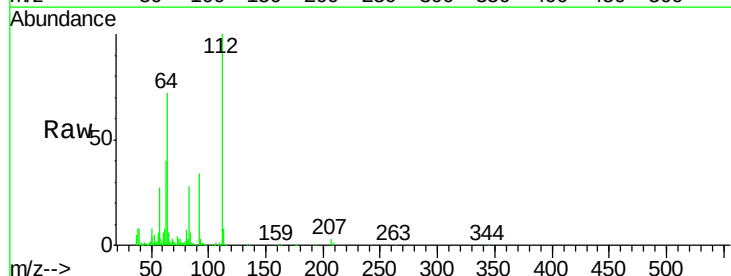
RT: 5.61 min Scan# 556

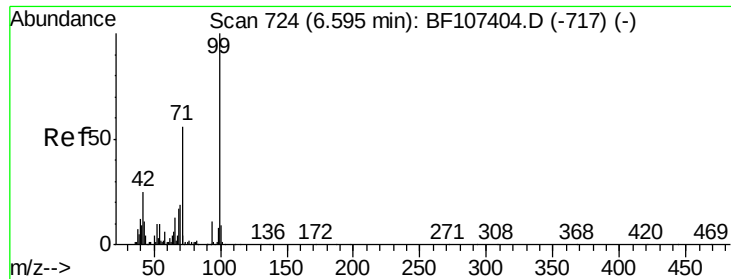
Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Tgt Ion:	112	Resp:	277571
Ion	Ratio	Lower	Upper
112	100		
64	72.3	47.9	71.9#
63	40.5	23.7	35.5#





#7

Phenol-d6

Concen: 4.161 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

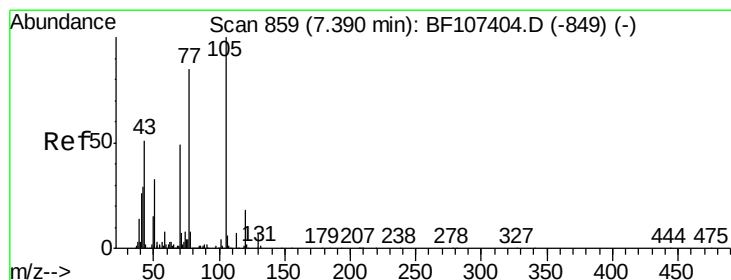
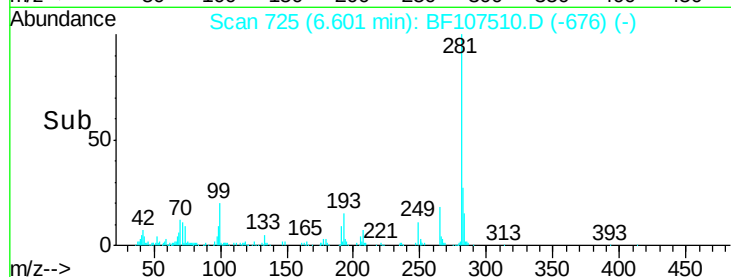
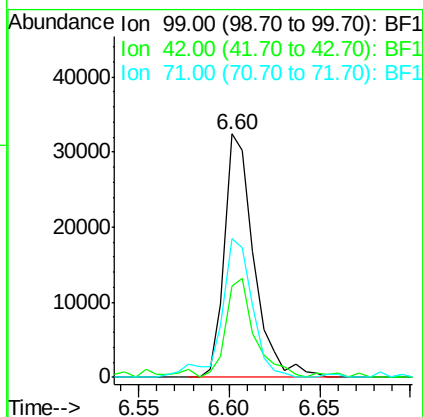
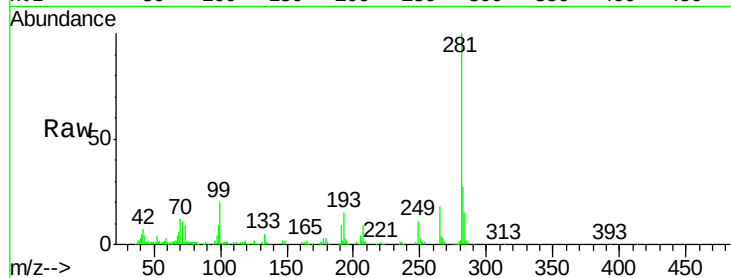
Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

Tgt Ion:	99	Resp:	36723
Ion	Ratio	Lower	Upper
99	100		
42	37.7	14.5	21.7#
71	56.7	25.4	38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 21.260 ng

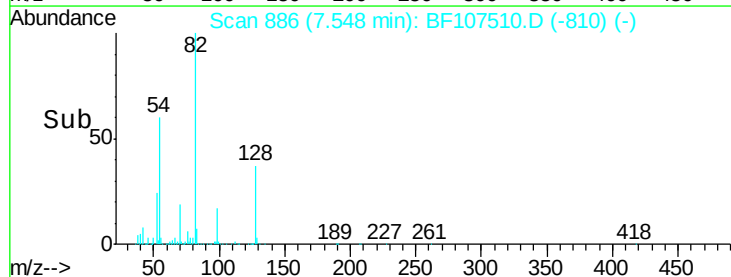
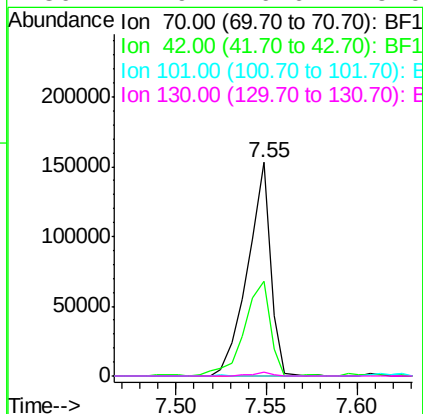
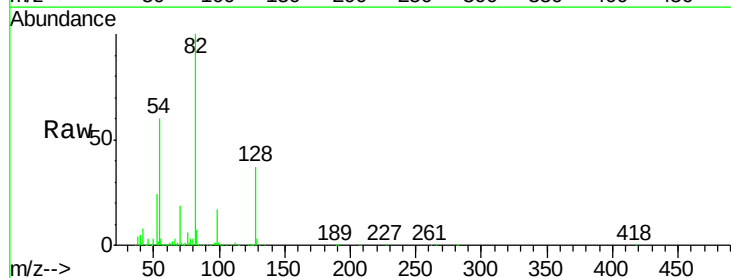
RT: 7.55 min Scan# 886

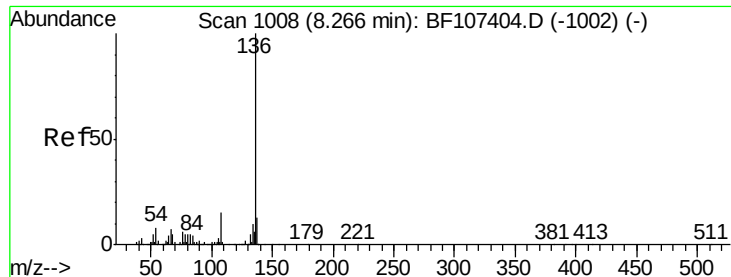
Delta R.T. 0.15 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Tgt Ion:	70	Resp:	134351
Ion	Ratio	Lower	Upper
70	100		
42	44.2	47.5	71.3#
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#

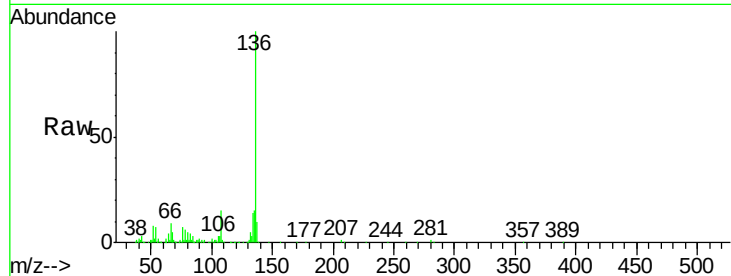




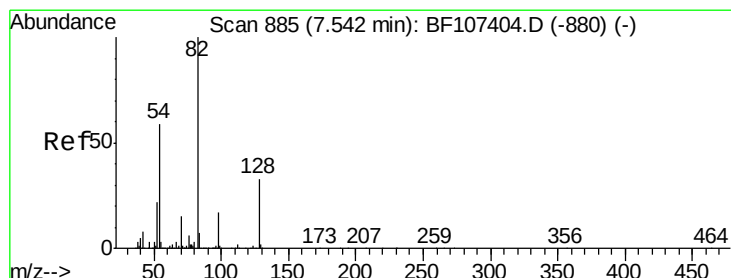
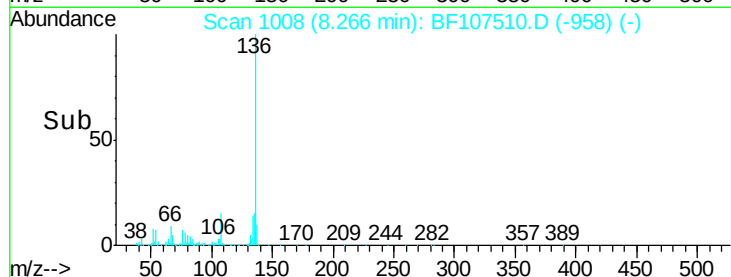
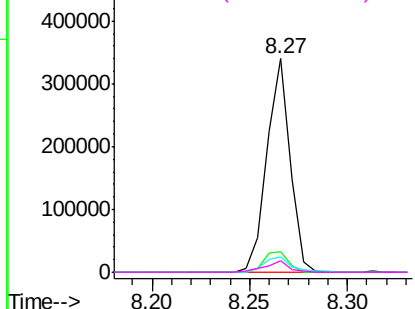
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Instrument :
BNA_F
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071618-DBRI-F-D-BRE

Tgt Ion:	136	Resp:	279856
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	7.3	6.6	9.8
68	5.1	5.0	7.4

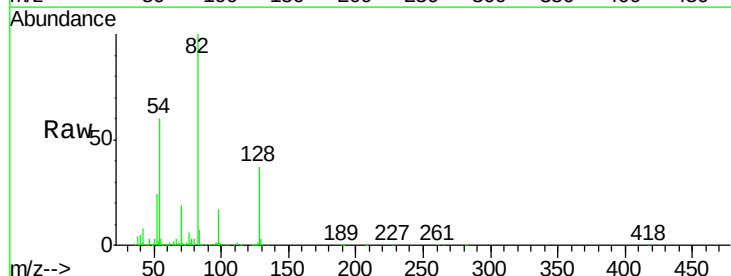


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

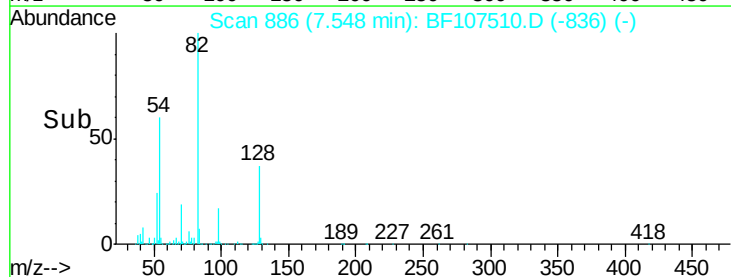
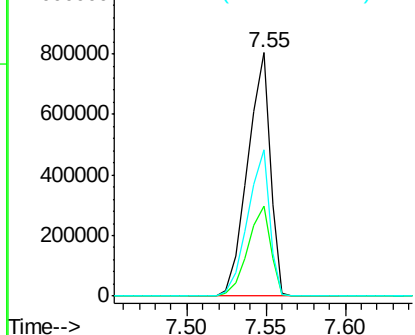


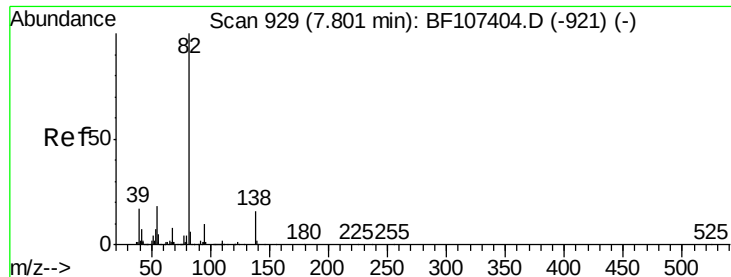
#23
Nitrobenzene-d5
Concen: 151.479 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Tgt Ion:	82	Resp:	794994
Ion	Ratio	Lower	Upper
82	100		
128	37.0	36.1	54.1
54	60.3	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: 76.359 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

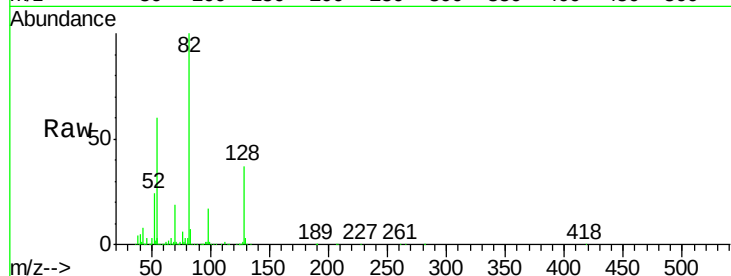
Tgt Ion: 82 Resp: 794326

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

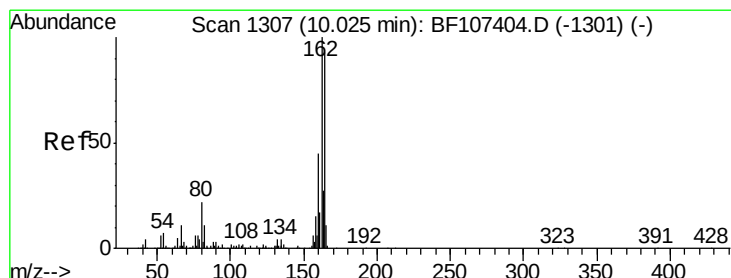
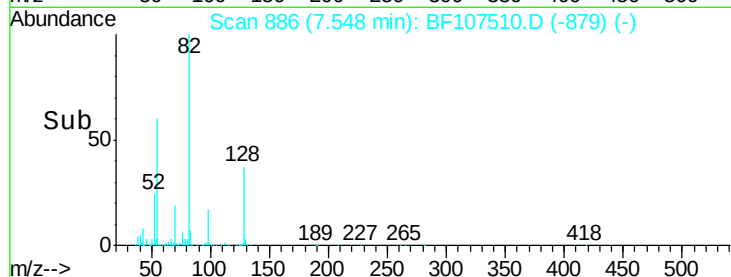
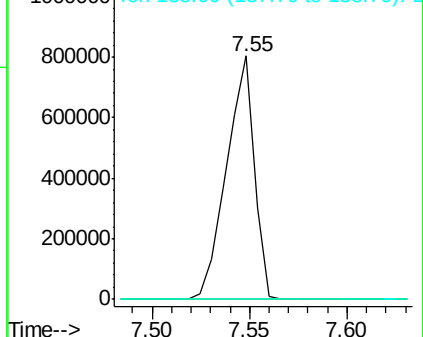
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

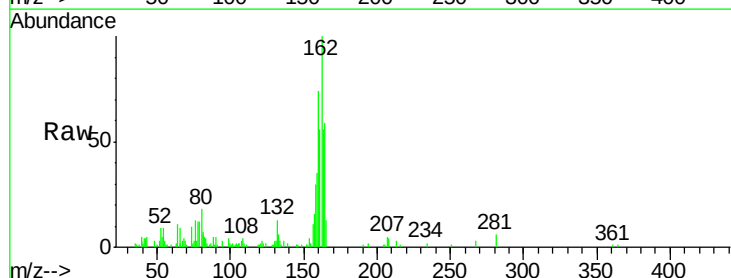
Tgt Ion: 164 Resp: 19521

Ion Ratio Lower Upper

164 100

162 169.1 86.1 129.1#

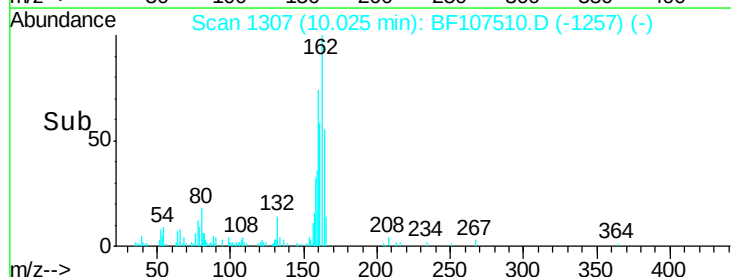
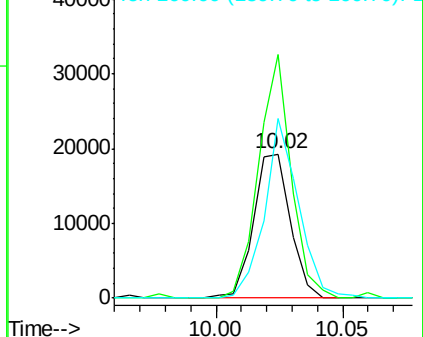
160 124.4 38.3 57.5#

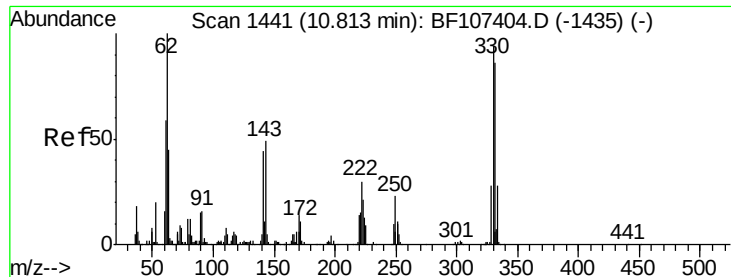


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

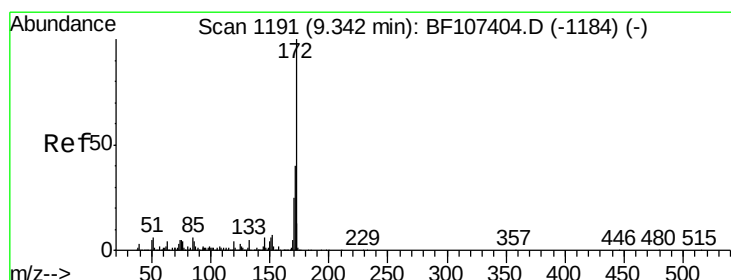
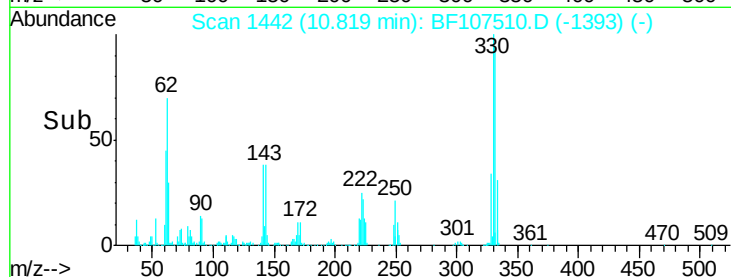
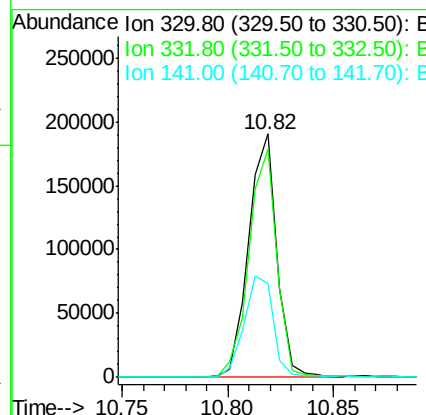
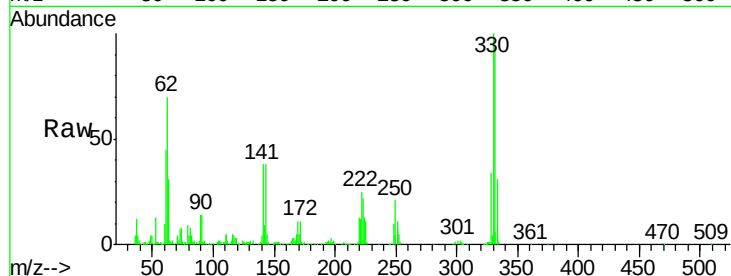




#41
 2,4,6-Tribromophenol
 Concen: 1029.059 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF107510.D
 Acq: 19 Jul 2018 12:00

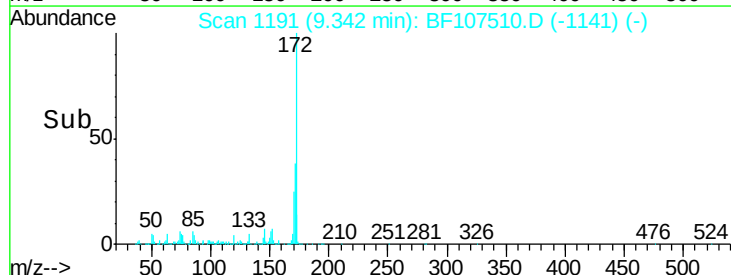
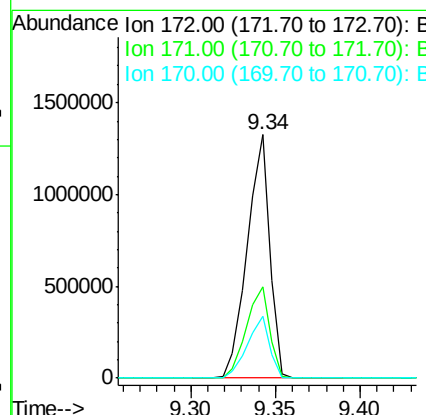
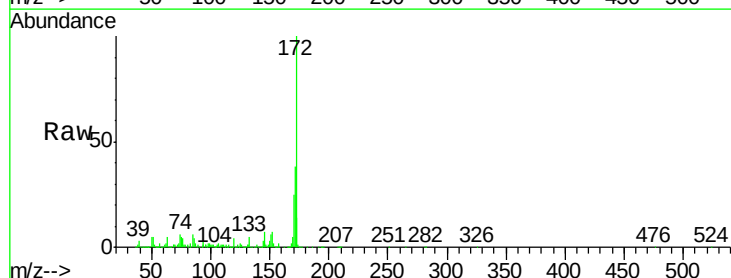
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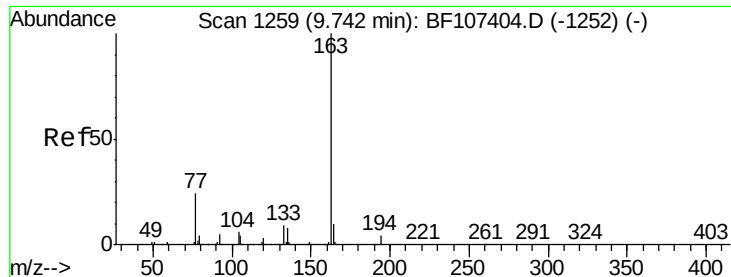
Tgt Ion:330 Resp: 176499
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.0 115.6
 141 43.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 1200.070 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107510.D
 Acq: 19 Jul 2018 12:00

Tgt Ion:172 Resp: 1238543
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.7 44.5
 170 25.3 19.6 29.4





#49

Dimethylphthalate

Concen: 14.344 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

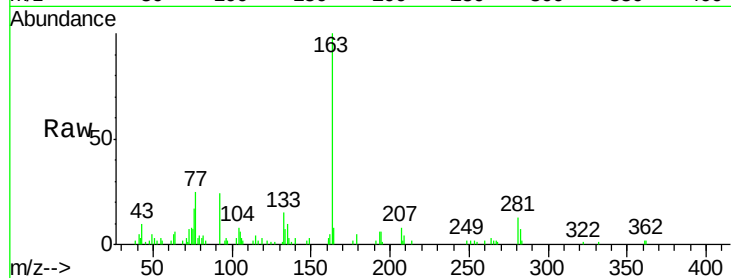
Tgt Ion:163 Resp: 22248

Ion Ratio Lower Upper

163 100

194 5.7 2.7 4.1#

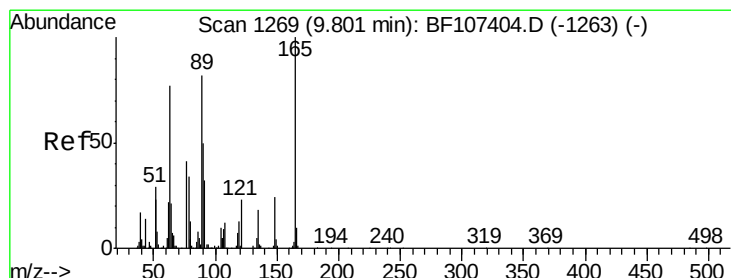
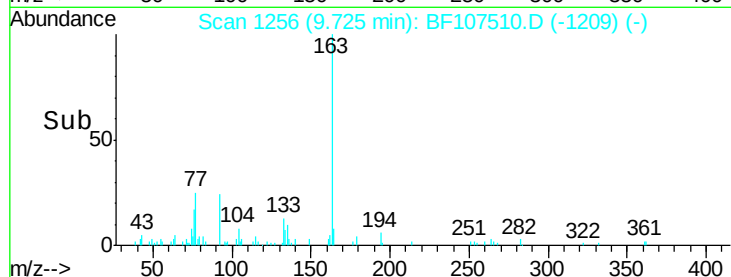
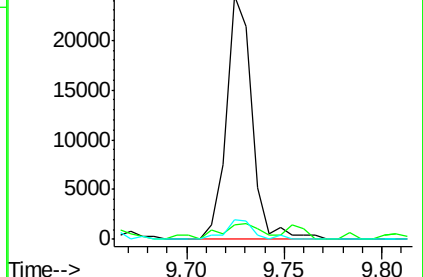
164 8.0 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.382 ng

RT: 9.84 min Scan# 1275

Delta R.T. 0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

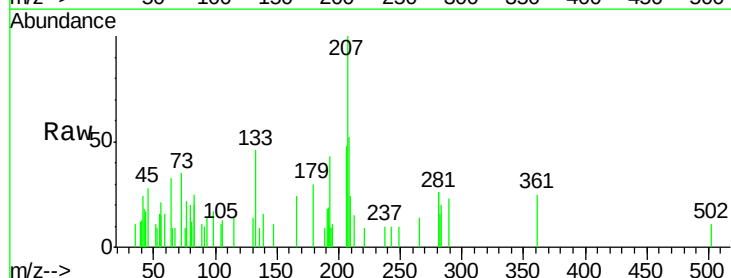
Tgt Ion:165 Resp: 705

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

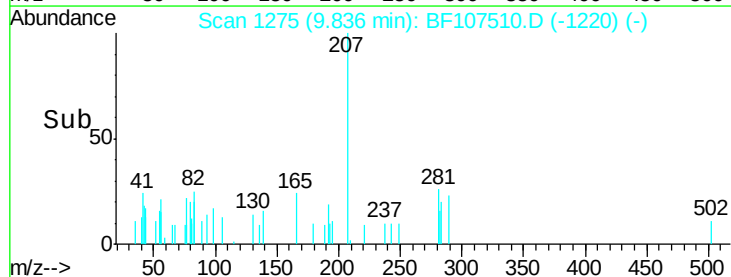
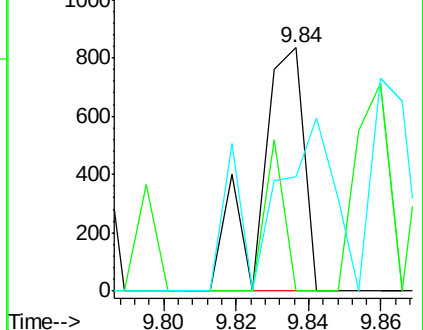
89 46.8 44.0 66.0

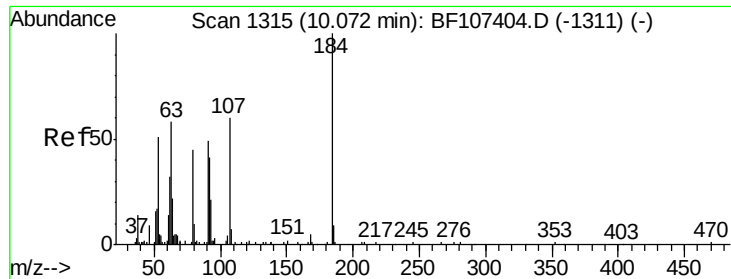


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

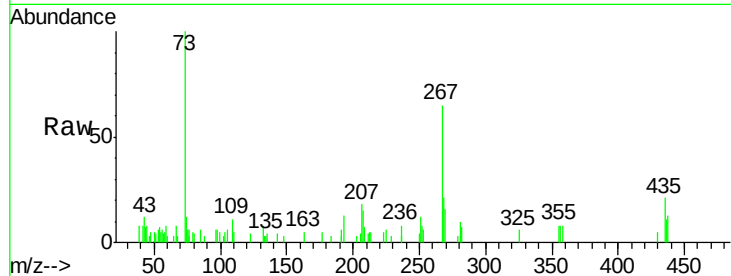




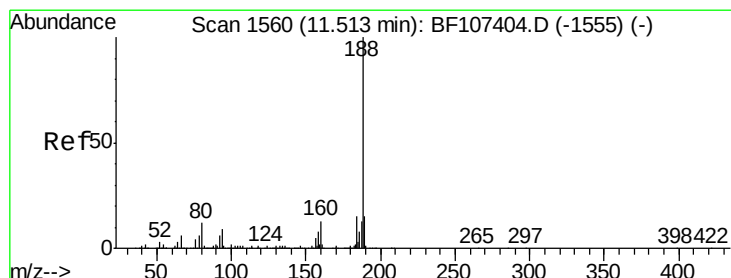
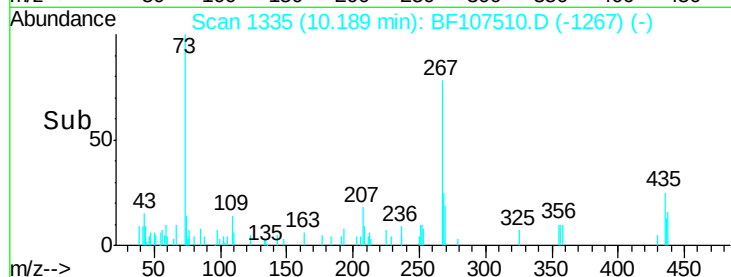
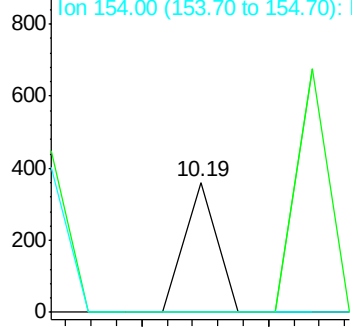
#53
 2,4-Dinitrophenol
 Concen: 4.019 ng
 RT: 10.19 min Scan# 1335
 Delta R.T. 0.10 min
 Lab File: BF107510.D
 Acq: 19 Jul 2018 12:00

Instrument :
 BNA_F
 ClientSampleId :
 071618-DBRI-F-D-BRE

Tgt Ion:184 Resp: 127
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#

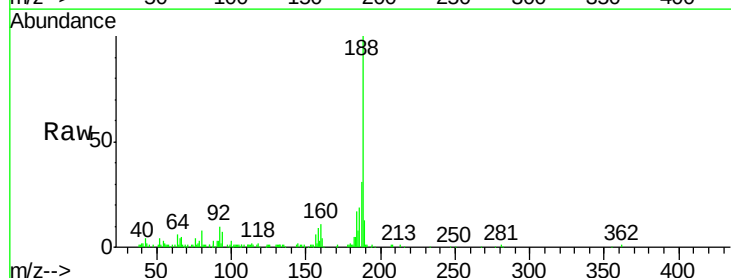


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

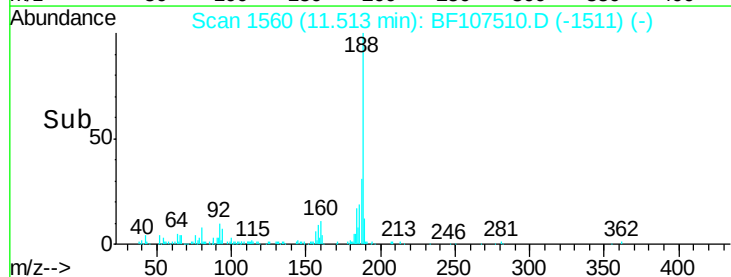
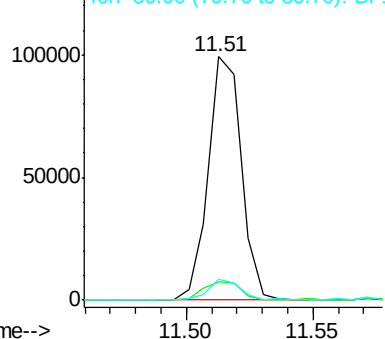


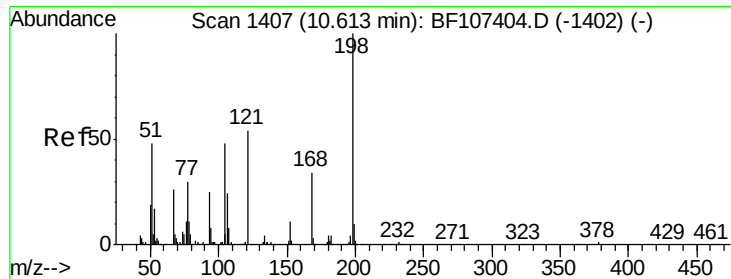
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107510.D
 Acq: 19 Jul 2018 12:00

Tgt Ion:188 Resp: 89697
 Ion Ratio Lower Upper
 188 100
 94 7.4 8.5 12.7#
 80 8.5 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

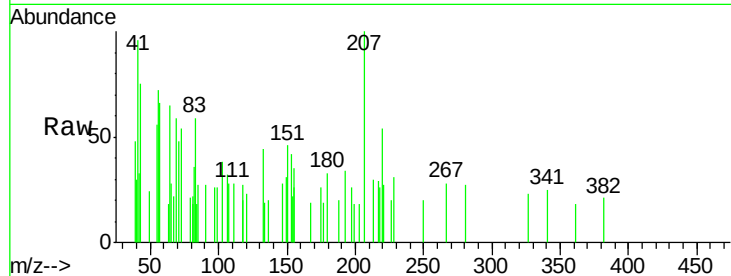




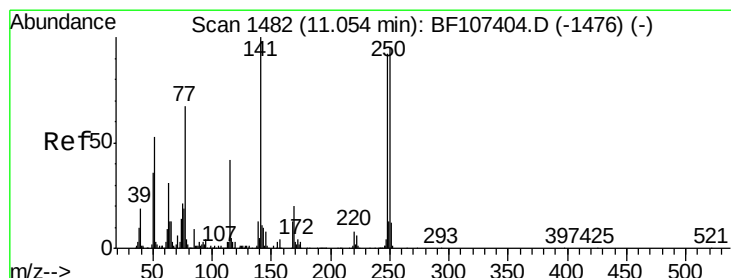
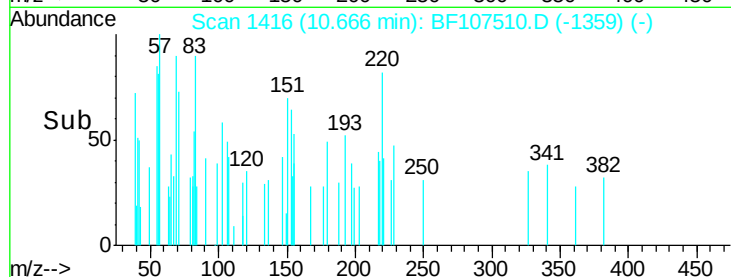
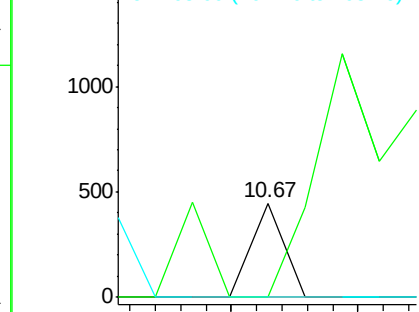
#64
4,6-Dinitro-2-methylphenol
Concen: 7.767 ng
RT: 10.67 min Scan# 1416
Delta R.T. 0.04 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Instrument :
BNA_F
ClientSampleId :
071618-DBRI-F-D-BRE

Tgt Ion:198 Resp: 158
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 0.0 36.3 76.3#

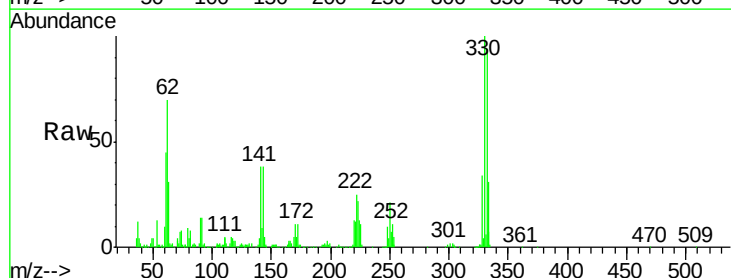


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

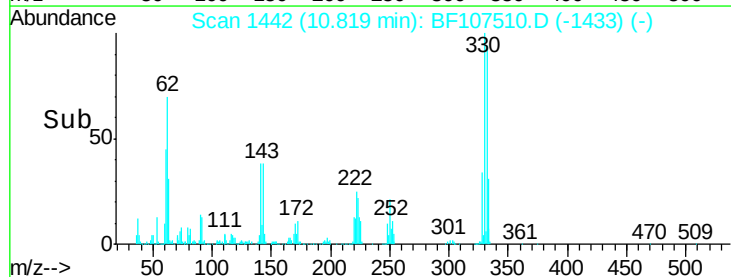
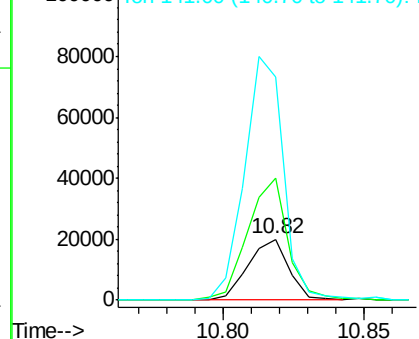


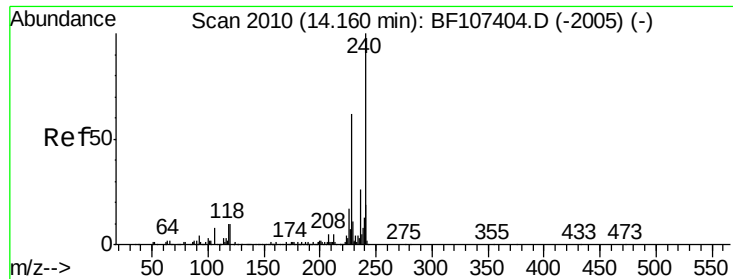
#66
4-Bromophenyl-phenylether
Concen: 19.440 ng
RT: 10.82 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Tgt Ion:248 Resp: 19950
Ion Ratio Lower Upper
248 100
250 200.0 76.9 115.3#
141 367.6 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: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

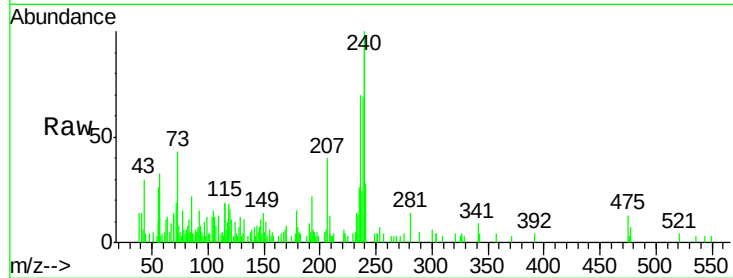
Tgt Ion:240 Resp: 10614

Ion Ratio Lower Upper

240 100

120 26.7 9.5 14.3#

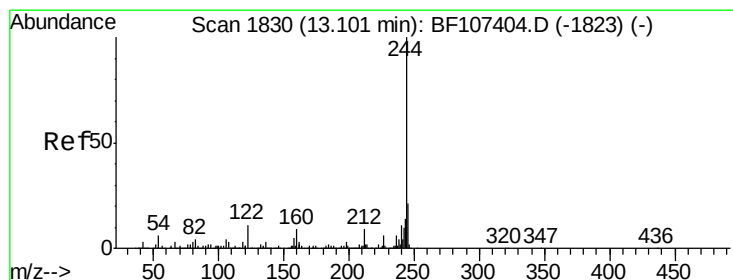
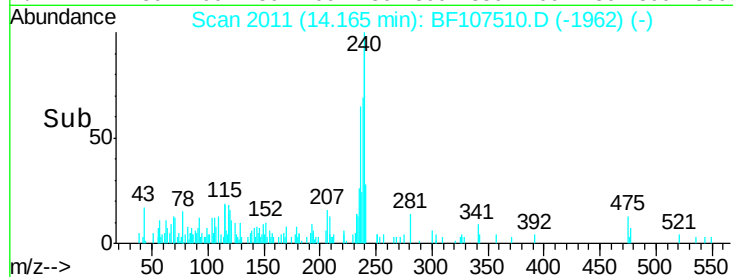
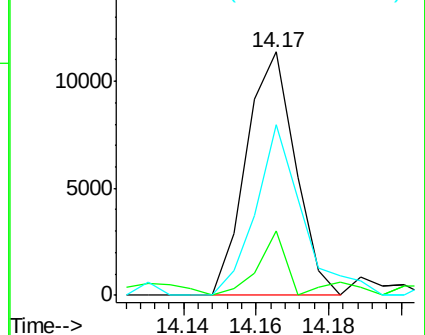
236 70.3 20.7 31.1#



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: 629.506 ng

RT: 13.10 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

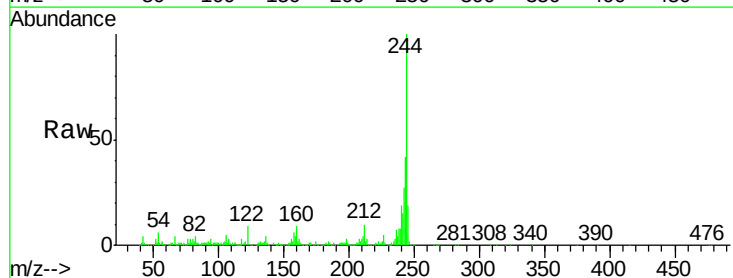
Tgt Ion:244 Resp: 268922

Ion Ratio Lower Upper

244 100

212 10.2 5.4 8.0#

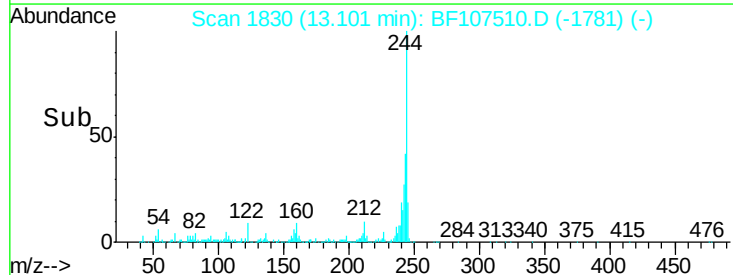
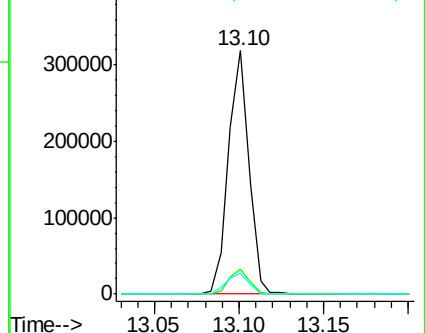
122 8.7 11.0 16.4#

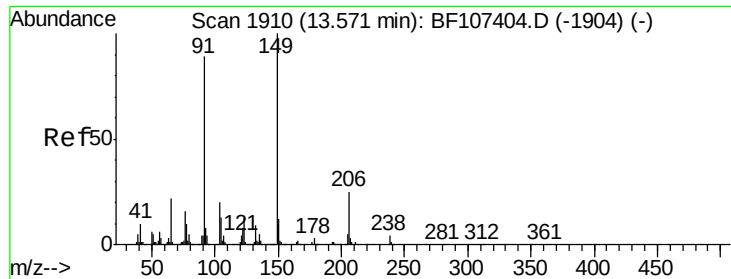


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

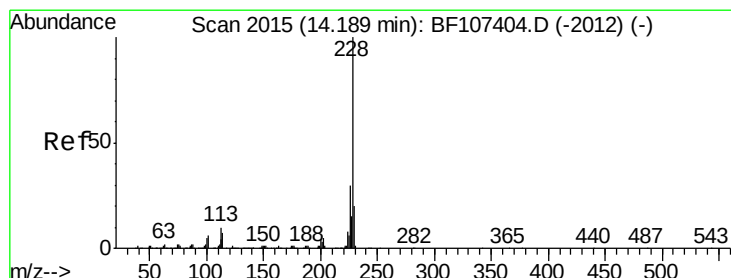
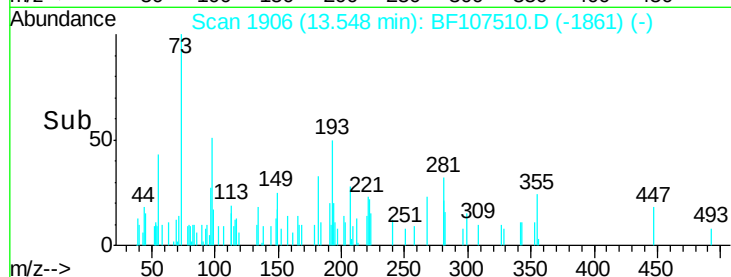
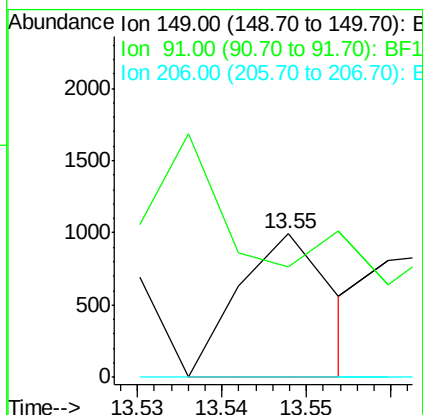
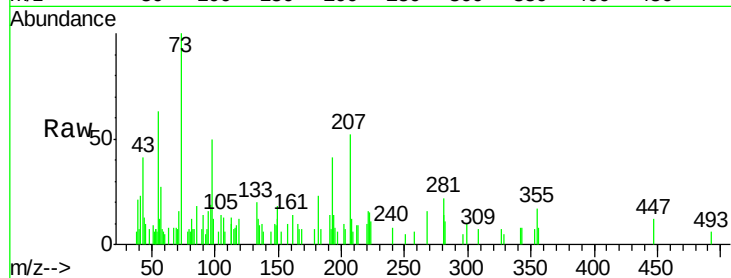




#79
Butylbenzylphthalate
Concen: 2.936 ng
RT: 13.55 min Scan# 1906
Delta R.T. -0.04 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

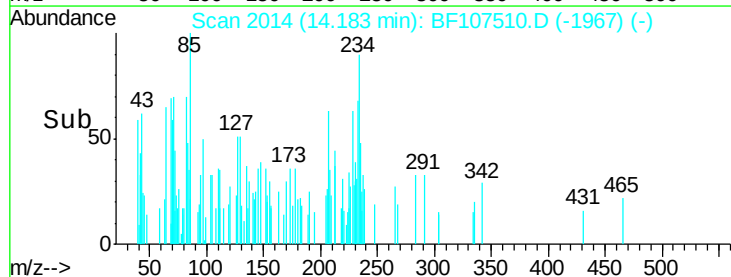
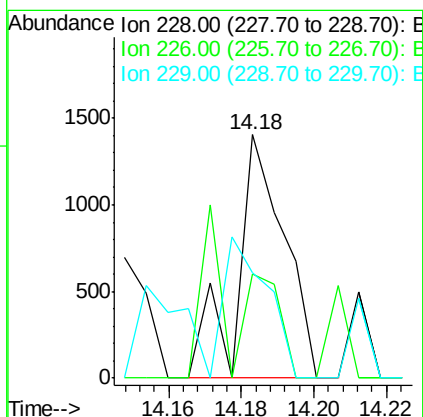
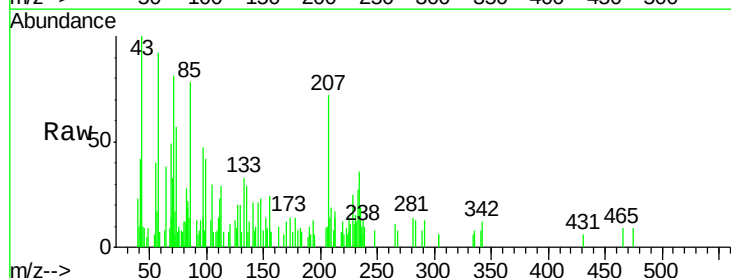
Instrument :
BNA_F
ClientSampleId :
071618-DBRI-F-D-BRE

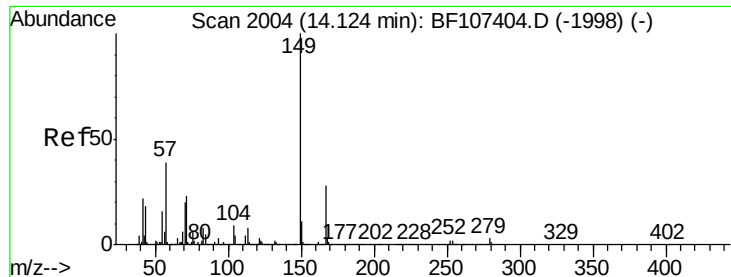
Tgt Ion:149 Resp: 772
Ion Ratio Lower Upper
149 100
91 46.1 56.8 85.2#
206 0.0 14.1 21.1#



#82
Chrysene
Concen: 2.041 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BF107510.D
Acq: 19 Jul 2018 12:00

Tgt Ion:228 Resp: 1266
Ion Ratio Lower Upper
228 100
226 43.0 25.0 37.6#
229 43.5 16.2 24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.297 ng

RT: 14.12 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

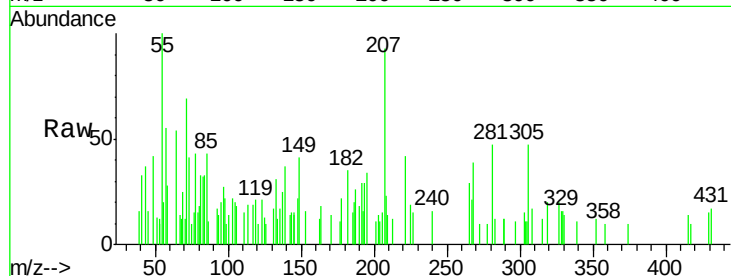
Tgt Ion:149 Resp: 1619

Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

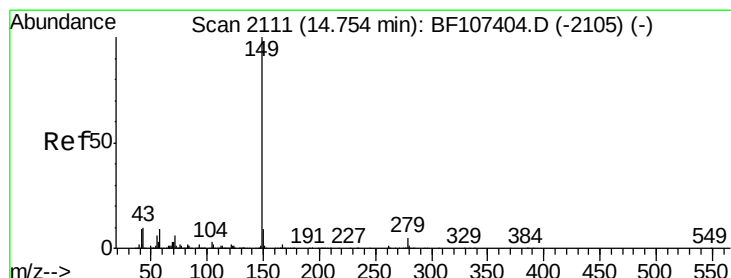
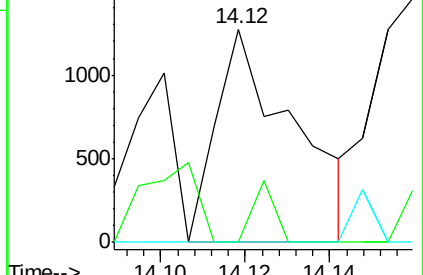
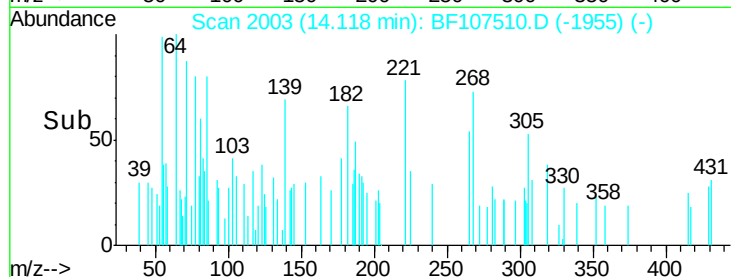
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 2.399 ng

RT: 14.74 min Scan# 2108

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

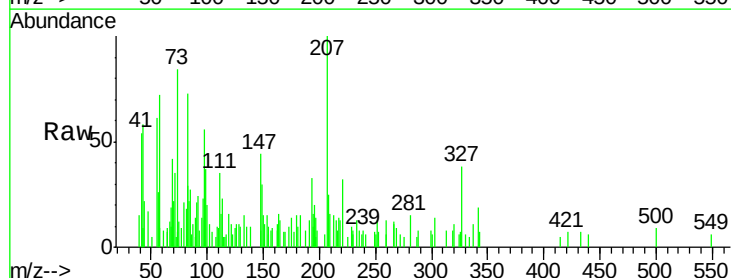
Tgt Ion:149 Resp: 1405

Ion Ratio Lower Upper

149 100

167 62.7 1.2 1.8#

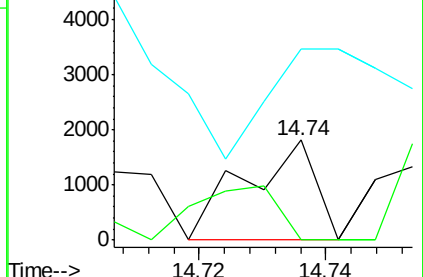
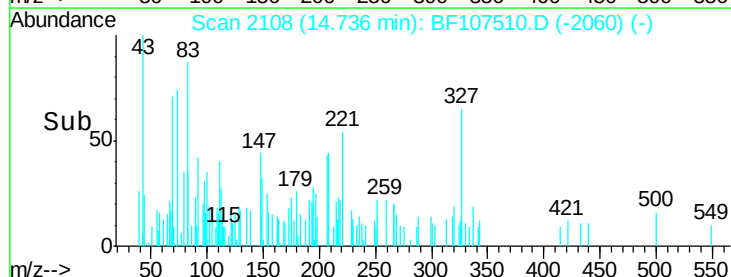
43 231.0 8.4 12.6#

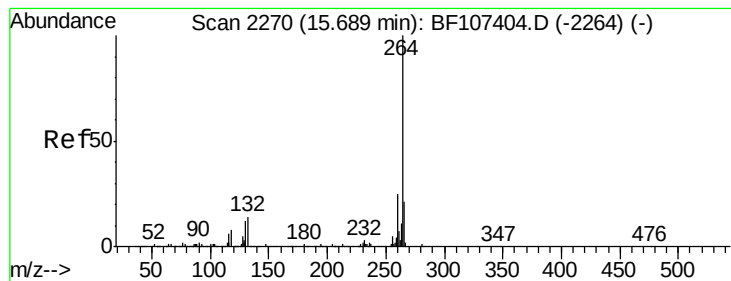


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

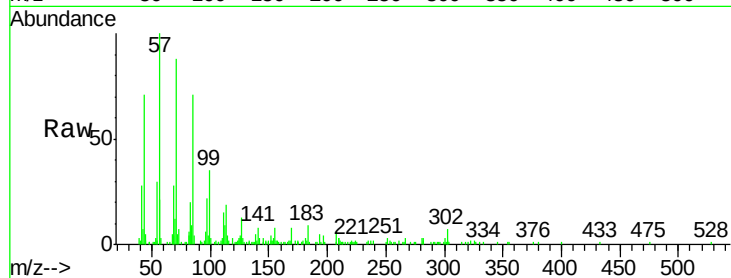
Tgt Ion:264 Resp: 381

Ion Ratio Lower Upper

264 100

260 0.0 19.2 28.8#

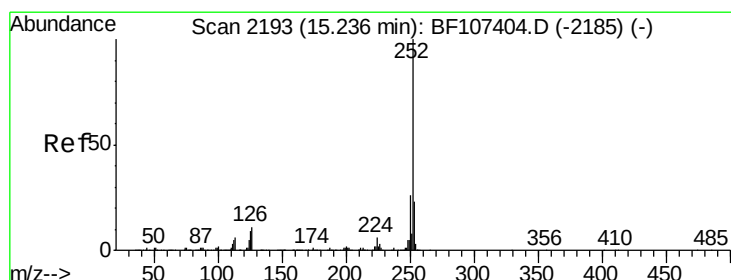
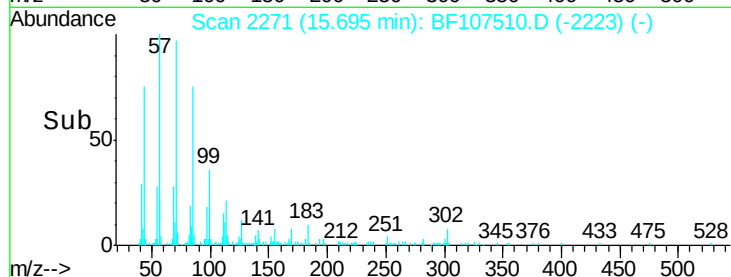
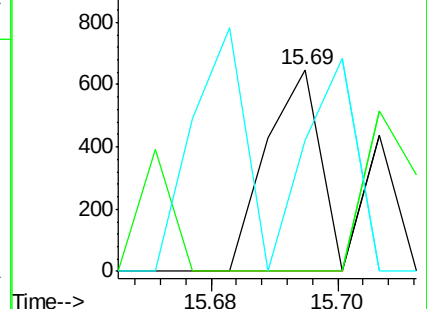
265 65.3 17.5 26.3#



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



#87

Benzo(b)fluoranthene

Concen: 18.475 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

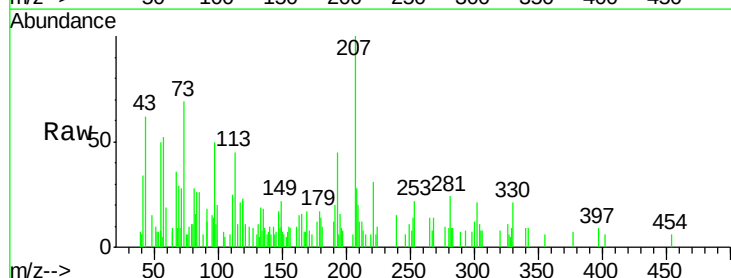
Tgt Ion:252 Resp: 412

Ion Ratio Lower Upper

252 100

253 150.7 17.0 25.6#

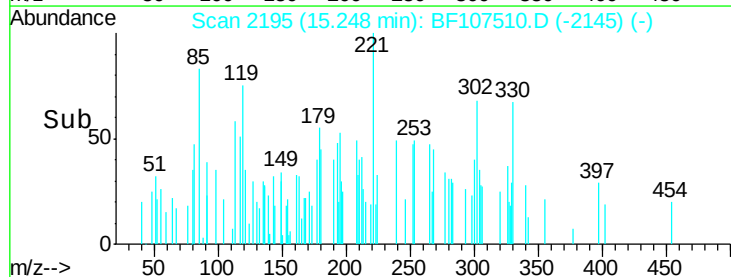
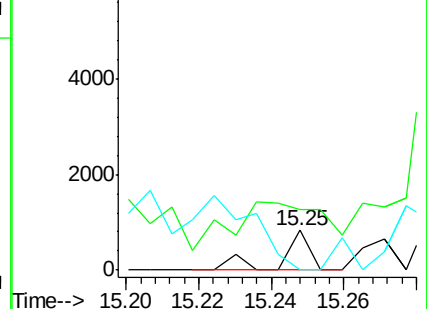
125 0.0 9.0 13.6#

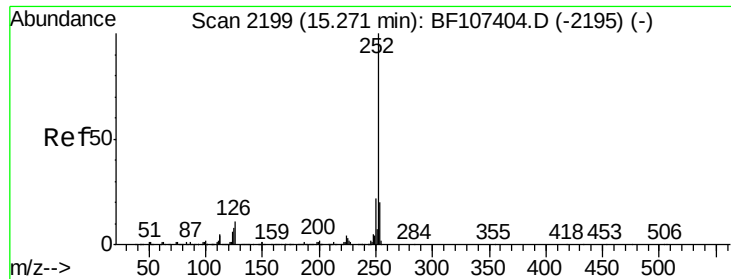


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 18.196 ng

RT: 15.27 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

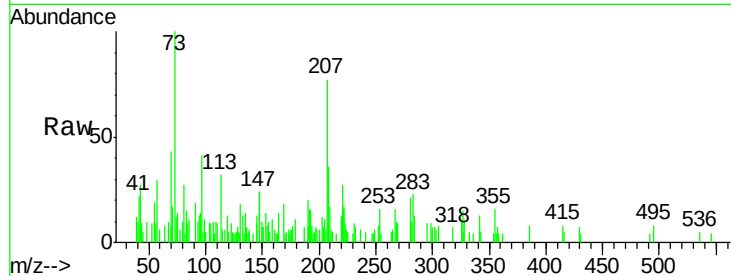
Tgt Ion:252 Resp: 396

Ion Ratio Lower Upper

252 100

253 204.6 17.9 26.9#

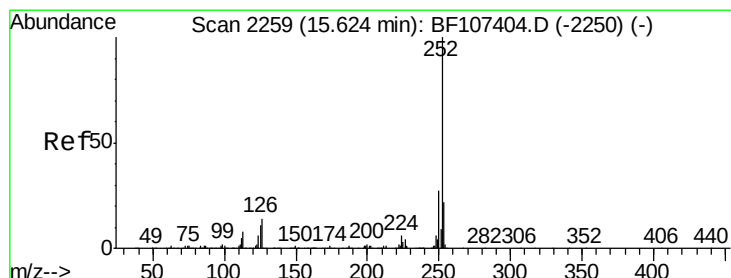
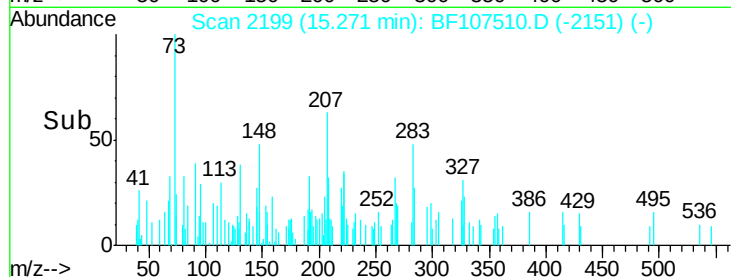
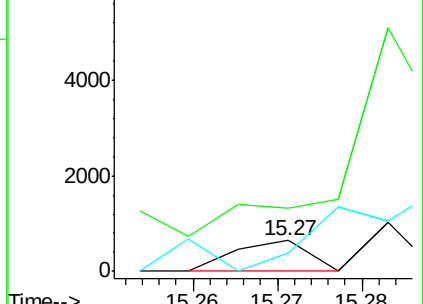
125 57.2 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 29.460 ng

RT: 15.63 min Scan# 2260

Delta R.T. -0.02 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

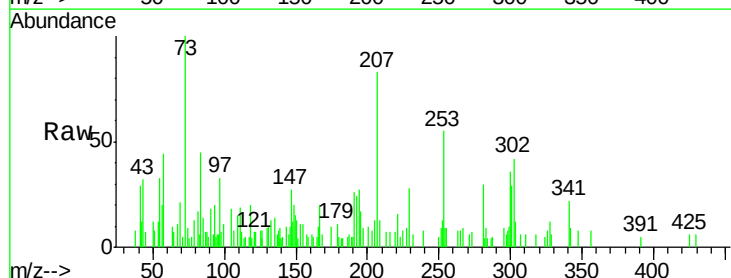
Tgt Ion:252 Resp: 603

Ion Ratio Lower Upper

252 100

253 417.9 17.1 25.7#

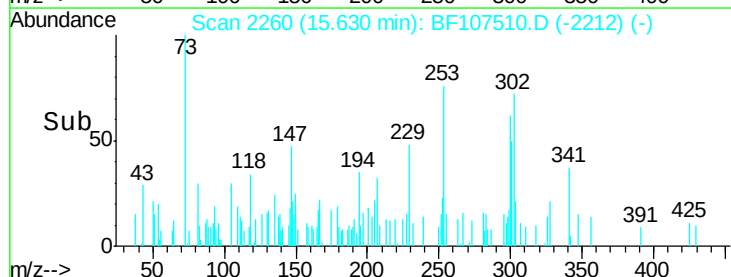
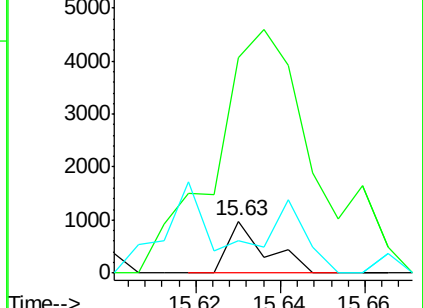
125 62.4 9.8 14.6#

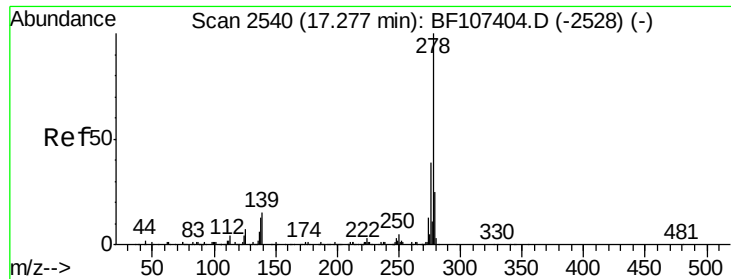


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.545 ng

RT: 17.31 min Scan# 2546

Delta R.T. 0.00 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Instrument :

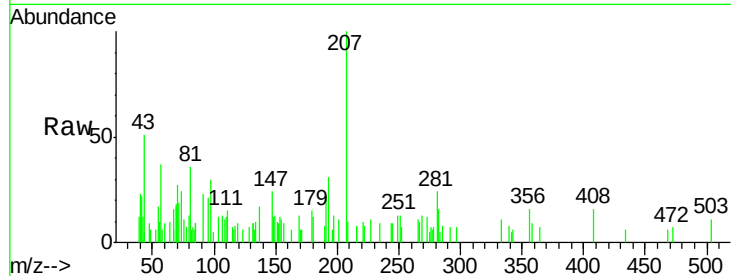
BNA_F

ClientSampleId :

071618-DBRI-F-D-BRE

Tgt Ion: 278 Resp: 132

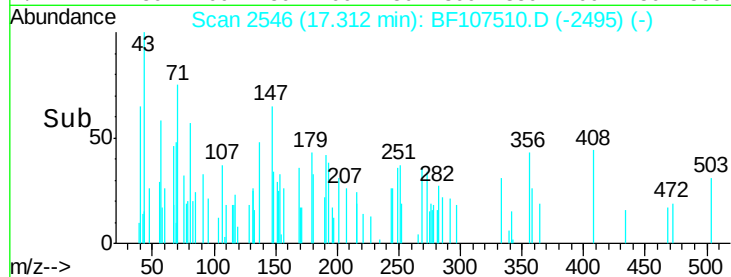
Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	0.0	19.0	28.4#



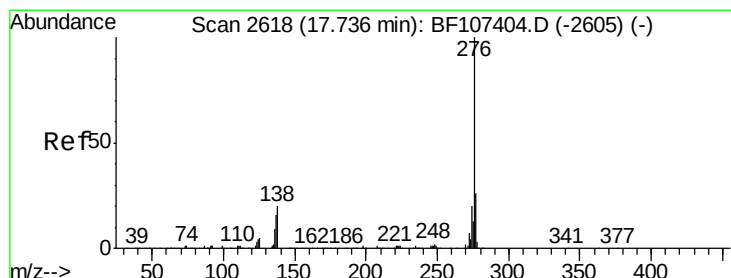
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 21.024 ng

RT: 17.77 min Scan# 2623

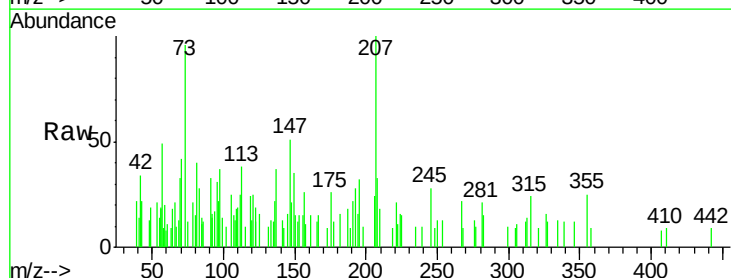
Delta R.T. -0.01 min

Lab File: BF107510.D

Acq: 19 Jul 2018 12:00

Tgt Ion: 276 Resp: 330

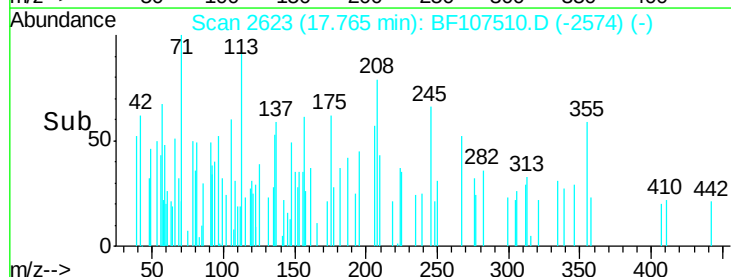
Ion	Ratio	Lower	Upper
276	100		
277	75.0	17.9	26.9#
138	0.0	21.8	32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->