

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107643.D
 Acq On : 25 Jul 2018 3:58
 Operator : JU/SJ
 Sample : J4120-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 07:50:12 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	256803	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	959755	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	367171	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	629947	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	486674	20.00	ng	-0.01
86) Perylene-d12	15.68	264	377271	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1421707	89.01	ng	0.00
7) Phenol-d6	6.60	99	1728651	90.13	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1050993	73.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	354060	84.80	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1698600	77.26	ng	-0.01
78) Terphenyl-d14	13.09	244	1387670	73.00	ng	-0.01

Target Compounds

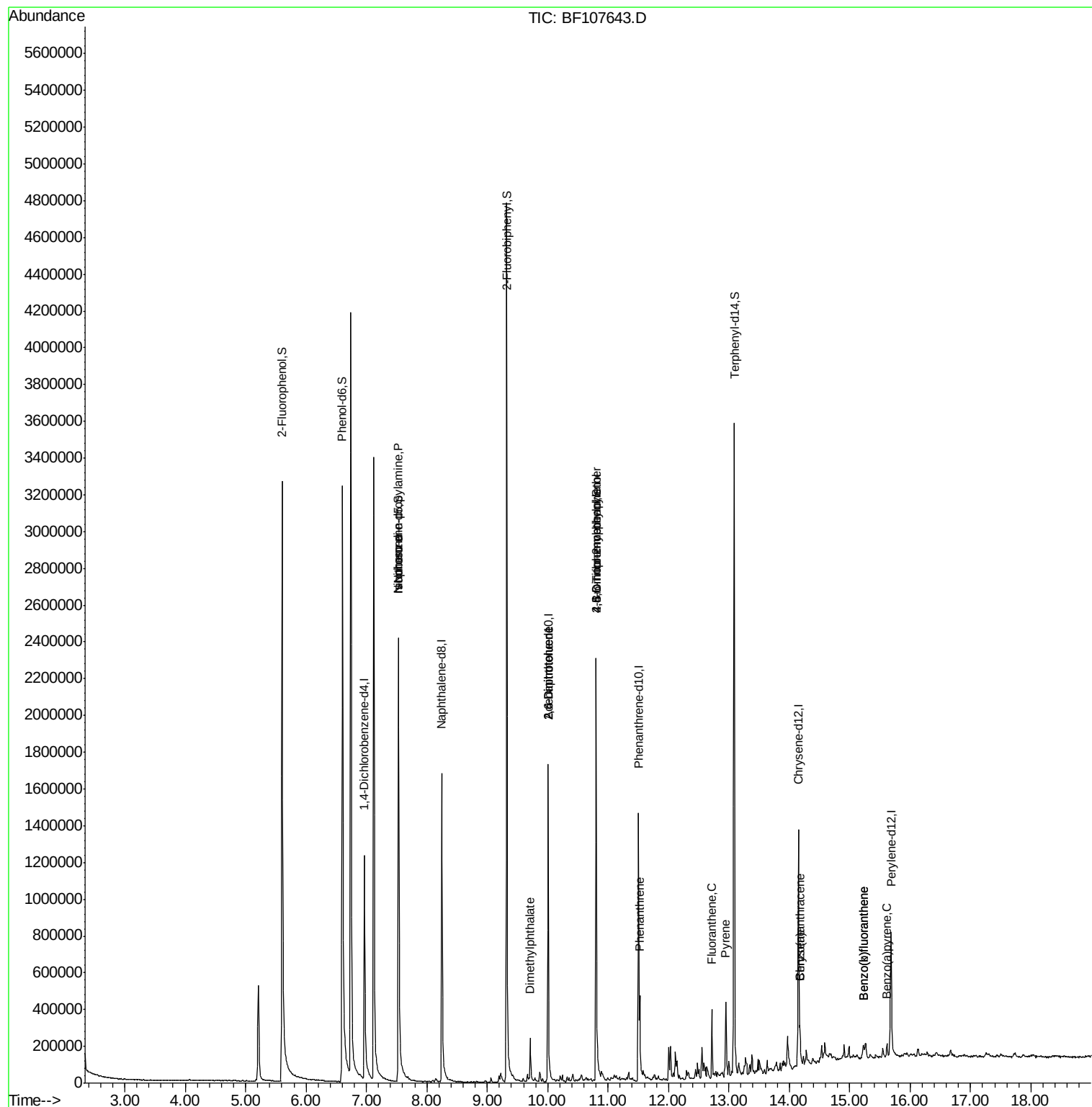
						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	139480	11.258	ng	# 79
25) Isophorone	7.53	82	1050988	34.612	ng	# 64
49) Dimethylphthalate	9.71	163	100758	3.641	ng	99
50) 2,6-Dinitrotoluene	10.01	165	45729	8.323	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	45729	6.895	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	501	8.816	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	20385	2.749	ng	# 1
70) Phenanthrene	11.52	178	156680	5.104	ng	98
73) Di-n-butylphthalate	12.05	149	2962	Below Cal		# 70
74) Fluoranthene	12.72	202	160878	4.884	ng	94
77) Pyrene	12.95	202	202871	6.094	ng	96
80) Benzo(a)anthracene	14.18	228	77619	2.722	ng	97
81) 3,3'-Dichlorobenzidine	14.11	252	385	Below Cal		# 27
82) Chrysene	14.18	228	77619	2.833	ng	95
87) Benzo(b)fluoranthene	15.23	252	66399	3.216	ng	# 95
88) Benzo(k)fluoranthene	15.23	252	66399	3.282	ng	# 96
89) Benzo(a)pyrene	15.62	252	41552	2.200	ng	94

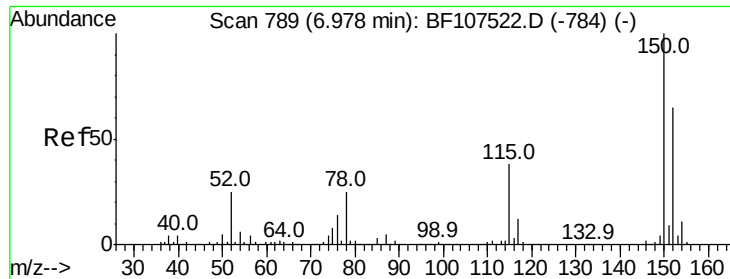
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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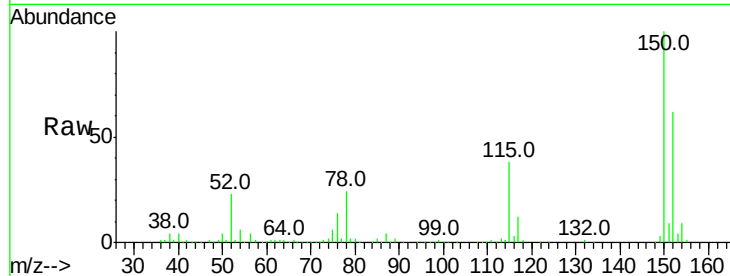


#1

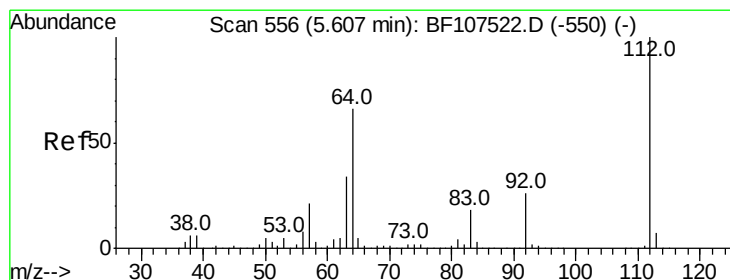
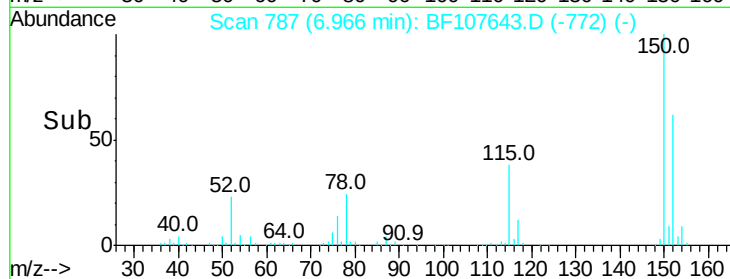
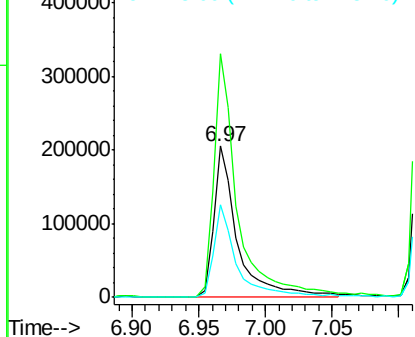
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 256803
Ion Ratio Lower Upper
152 100
150 161.3 124.6 186.8
115 61.1 50.1 75.1



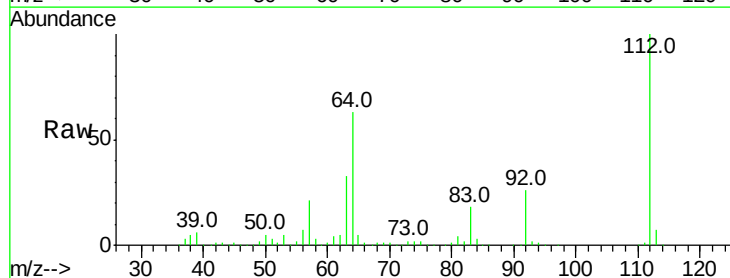
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



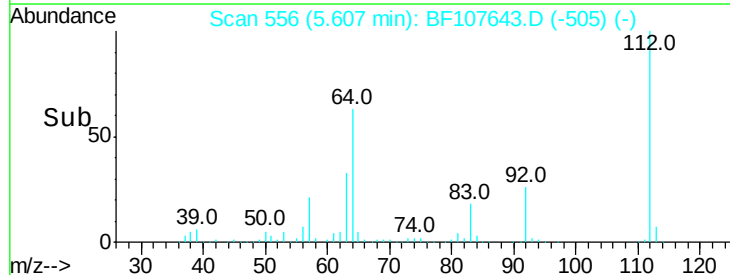
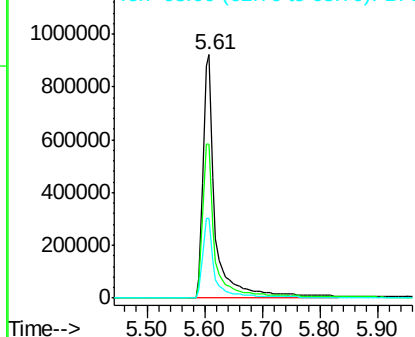
#5

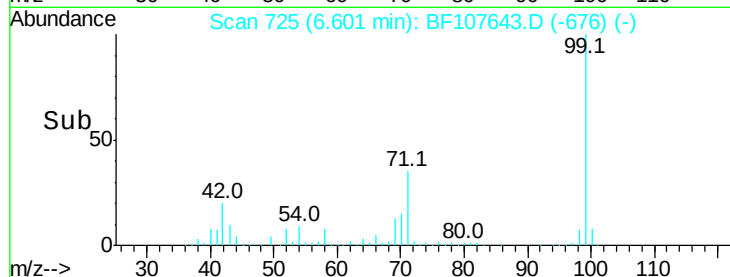
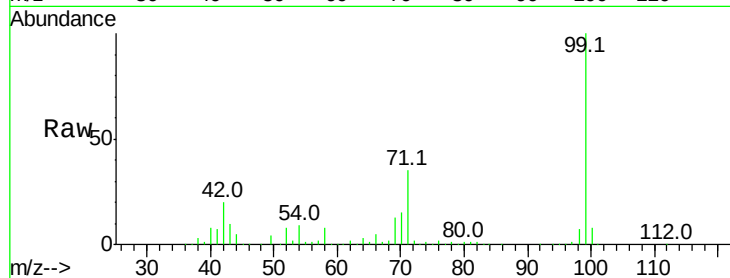
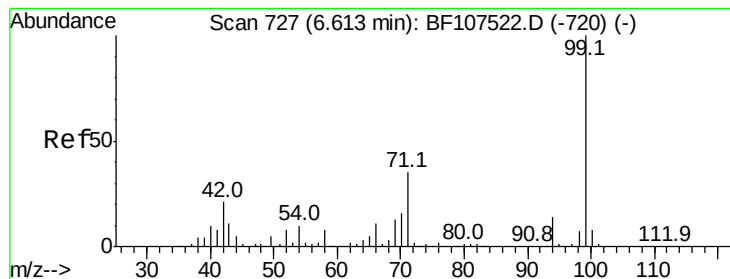
2-Fluorophenol
Concen: 89.011 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Tgt Ion:112 Resp: 1421707
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.6 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: 90.135 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampled :

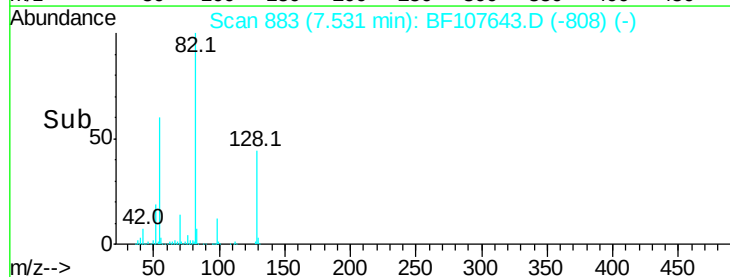
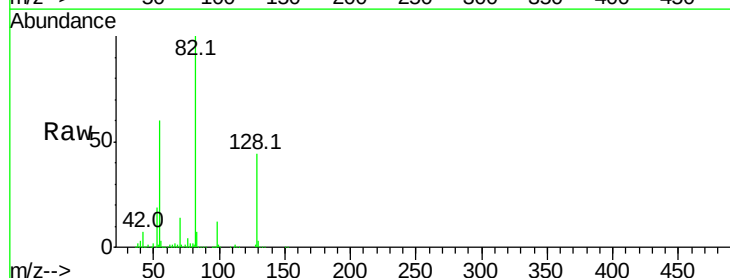
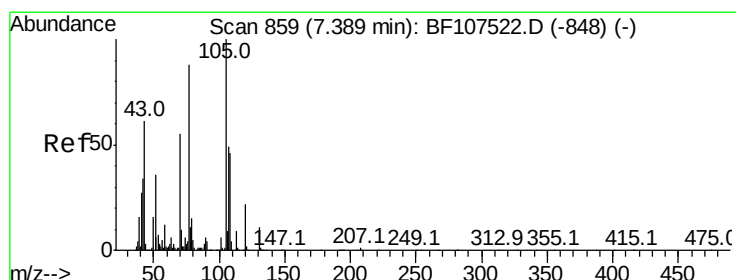
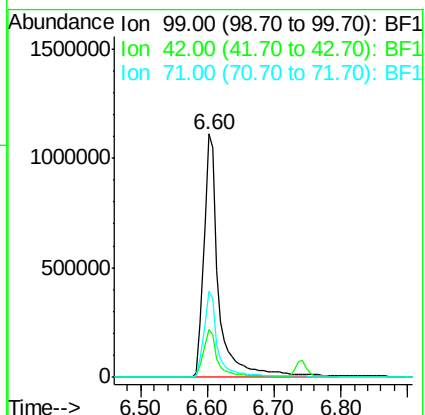
Tot Ion: 99 Resp: 1728651

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 35.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.258 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Tgt Ion: 70 Resp: 139480

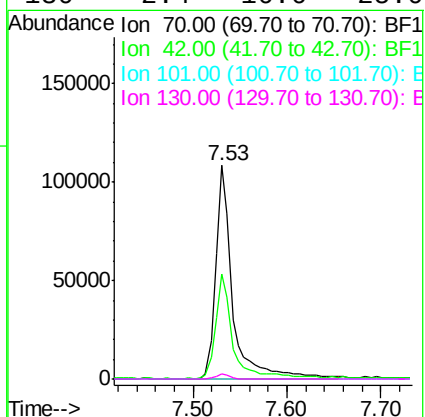
Ion Ratio Lower Upper

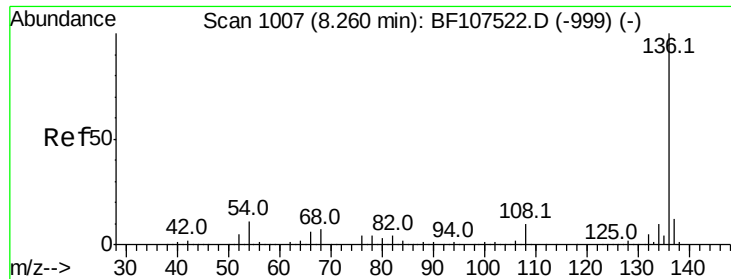
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

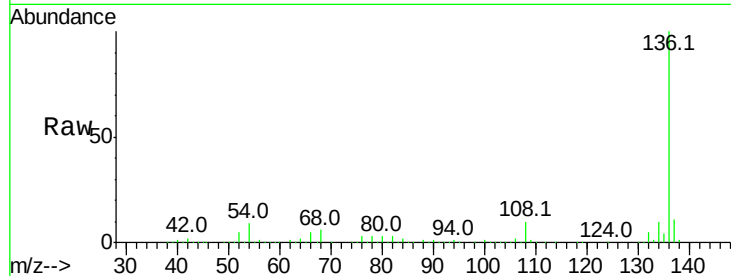




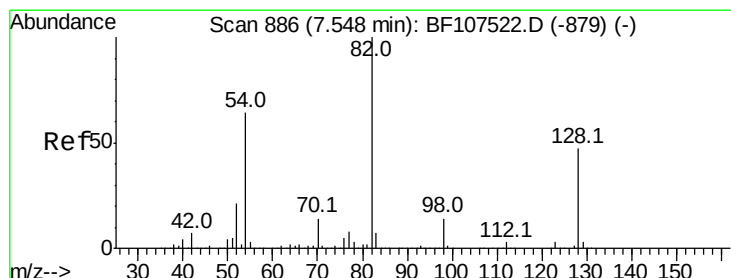
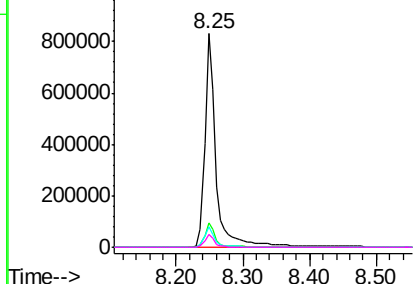
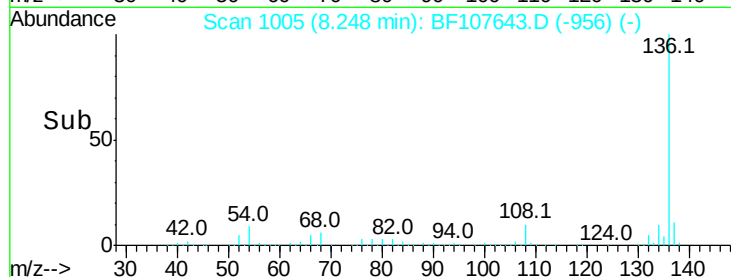
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	959755
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	9.3	6.6	9.8
68	6.0	5.0	7.4

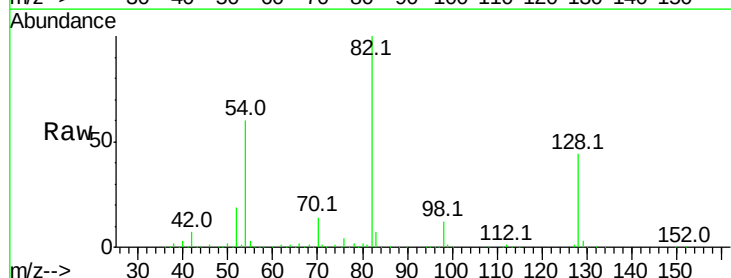


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

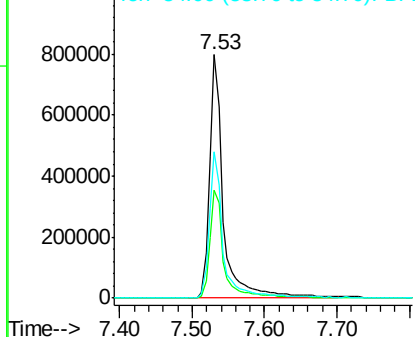
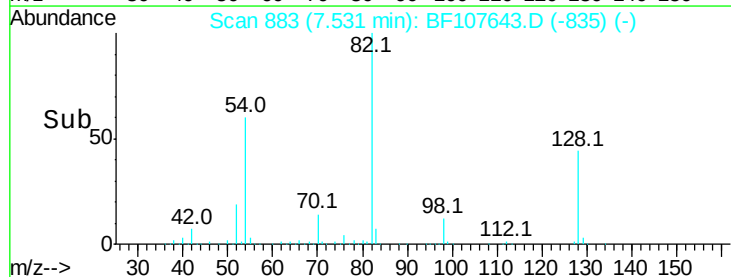


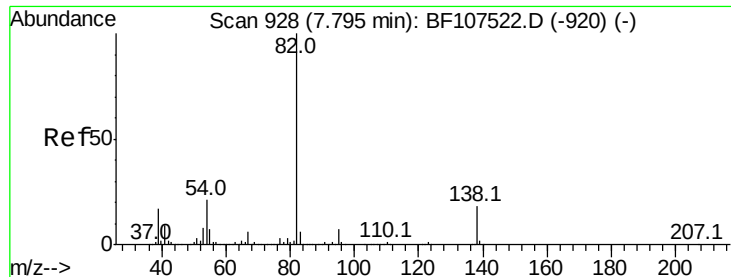
#23
Nitrobenzene-d5
Concen: 73.903 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Tgt Ion:	82	Resp:	1050993
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	59.8	41.4	62.2



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





#25

Isophorone

Concen: 34.612 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

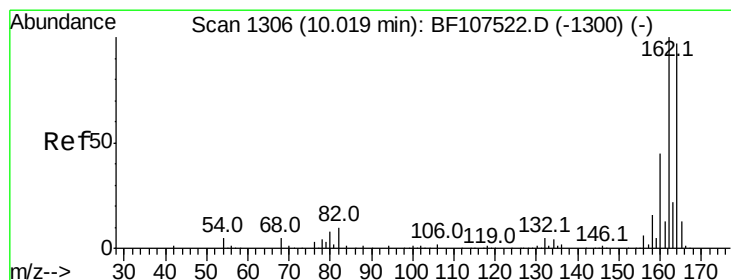
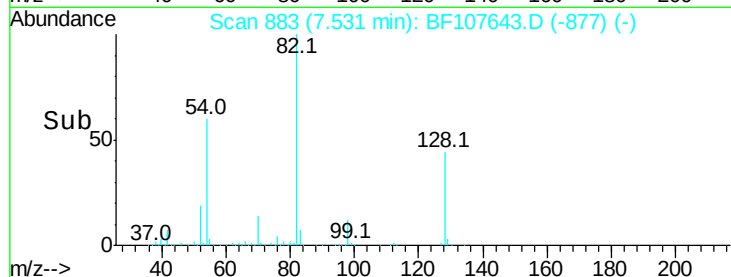
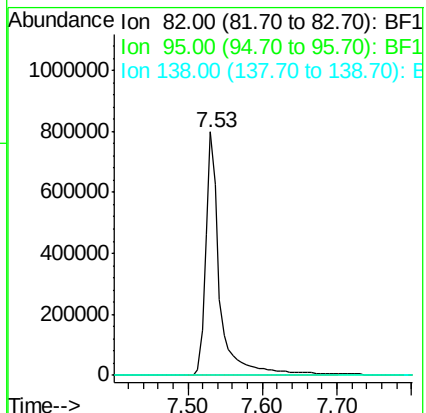
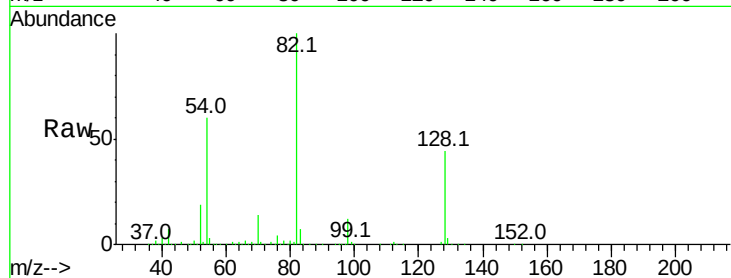
Tot Ion: 82 Resp: 1050988

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

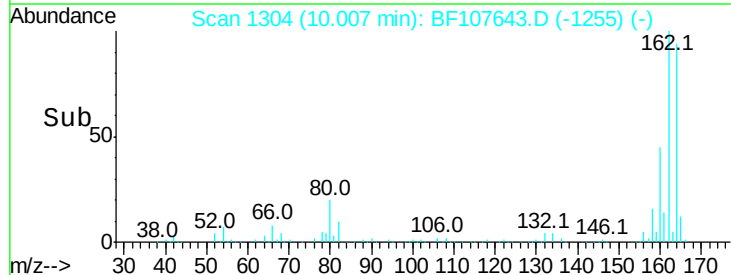
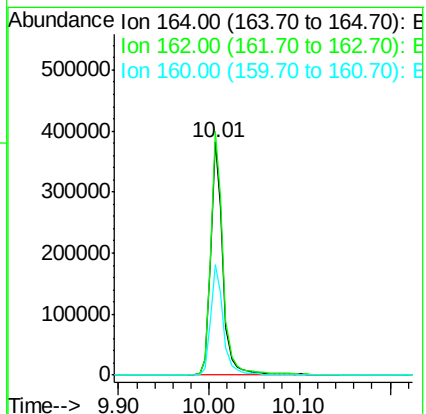
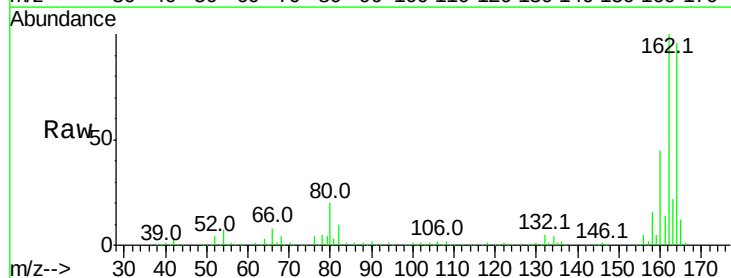
Tgt Ion: 164 Resp: 367171

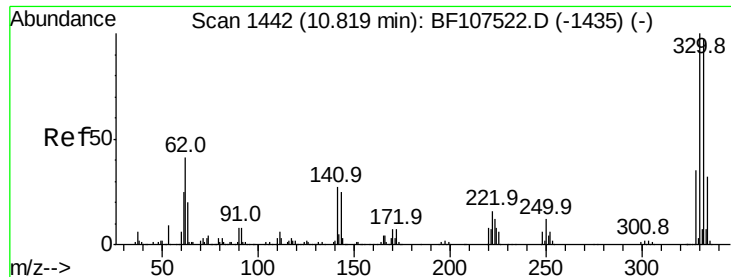
Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

160 47.3 38.3 57.5

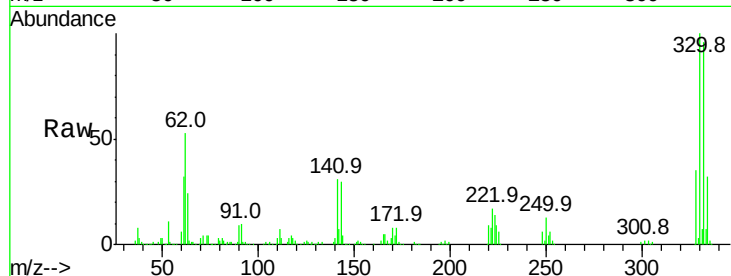




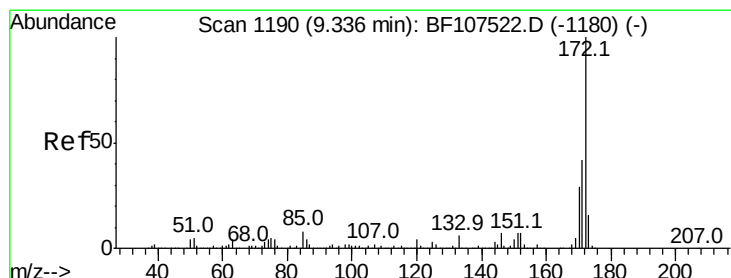
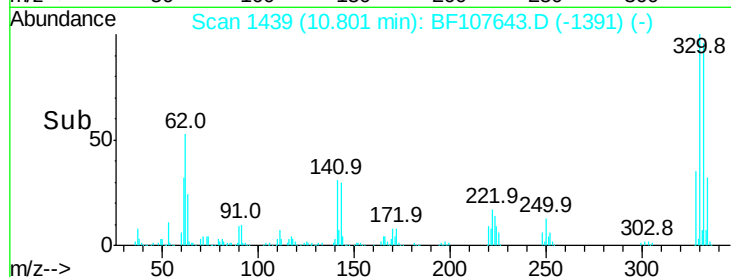
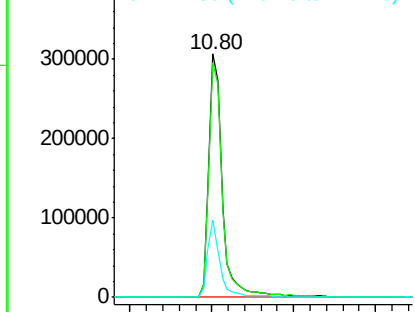
#41
 2,4,6-Tribromophenol
 Concen: 84.799 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107643.D
 Acq: 25 Jul 2018 3:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 354060
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 29.2 29.9 44.9#

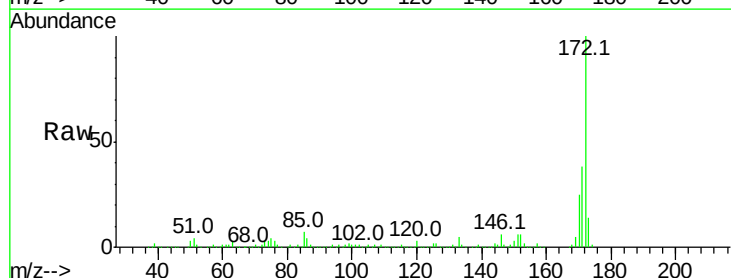


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

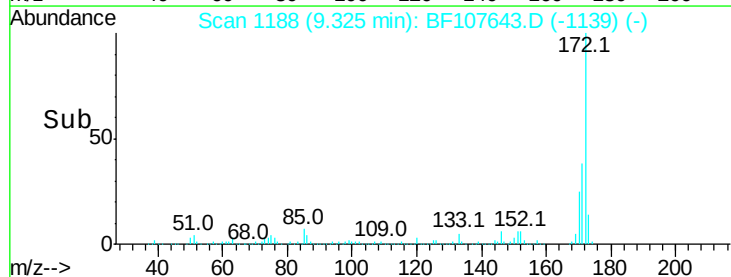
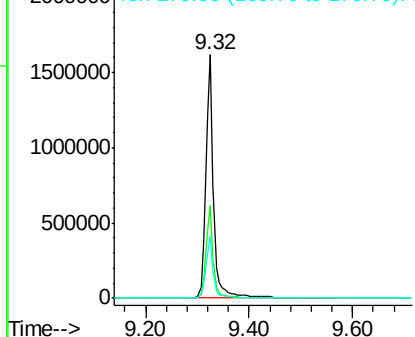


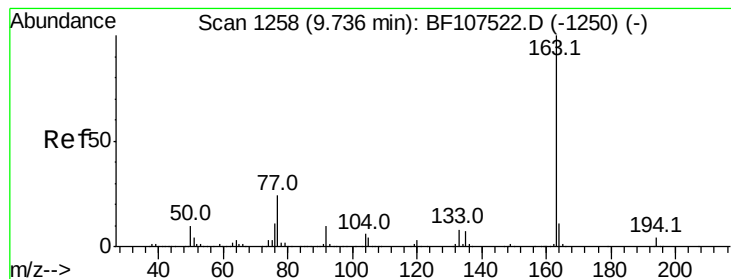
#44
 2-Fluorobiphenyl
 Concen: 77.263 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107643.D
 Acq: 25 Jul 2018 3:58

Tgt Ion:172 Resp: 1698600
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.7 44.5
 170 25.3 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.641 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

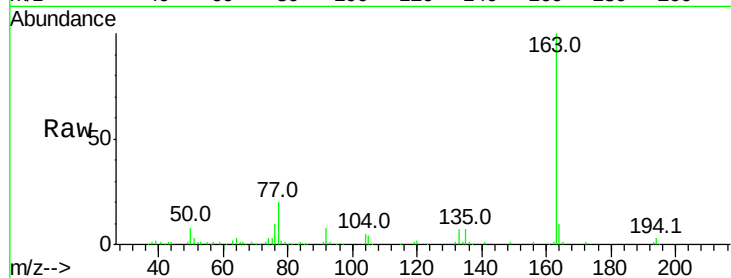
Tot Ion:163 Resp: 100758

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

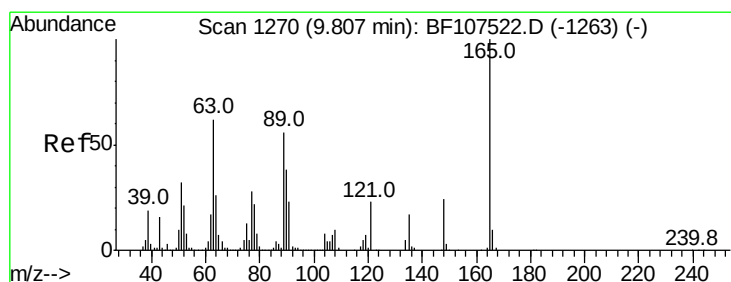
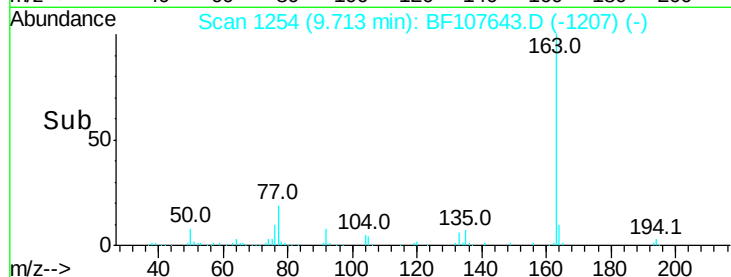
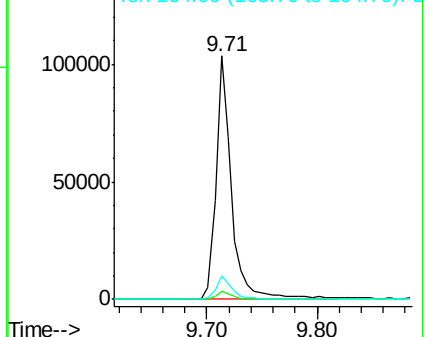
164 9.9 8.2 12.2



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: 8.323 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

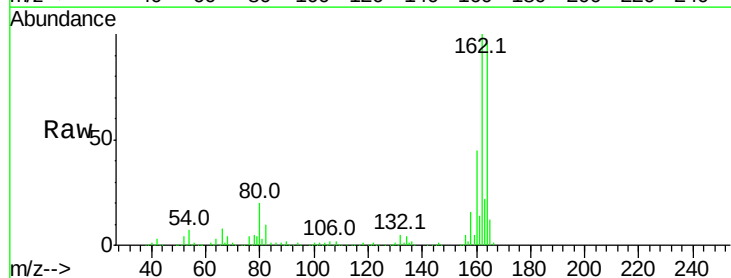
Tgt Ion:165 Resp: 45729

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

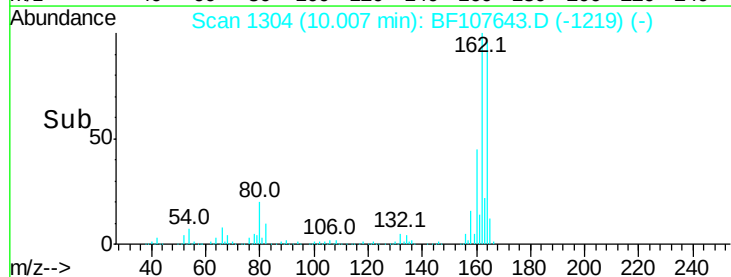
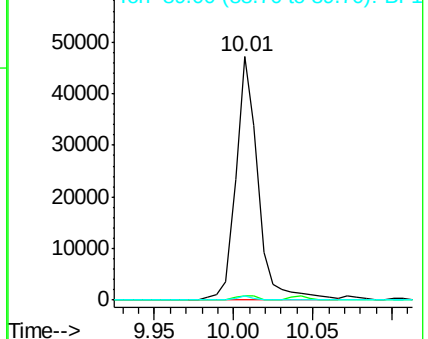
89 1.6 44.0 66.0#

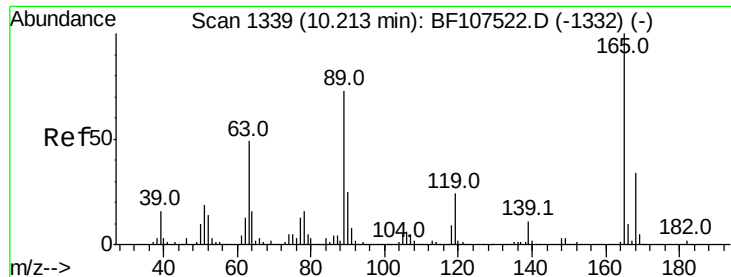


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

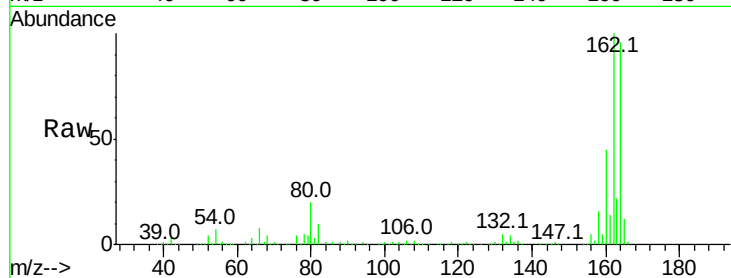




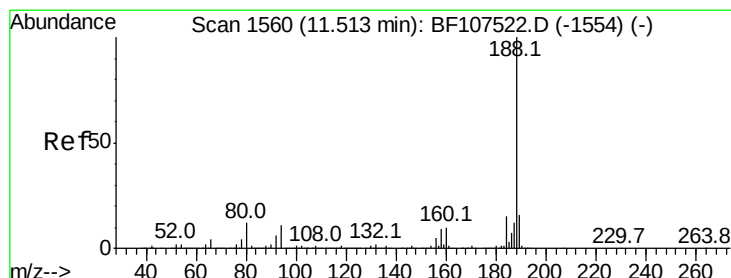
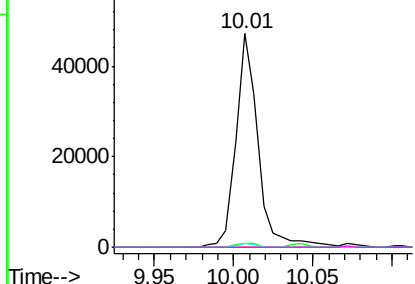
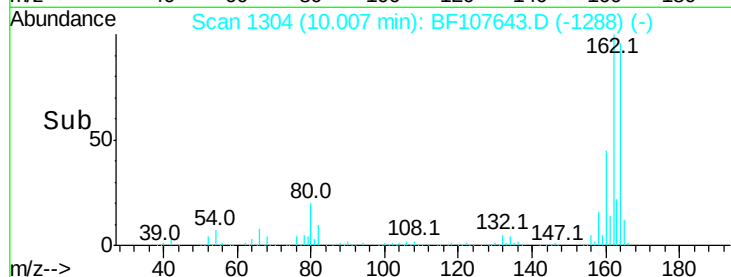
#56
 2,4-Dinitrotoluene
 Concen: 6.895 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107643.D
 Acq: 25 Jul 2018 3:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 45729
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

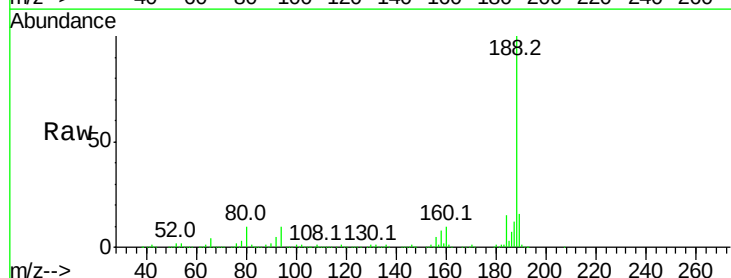


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

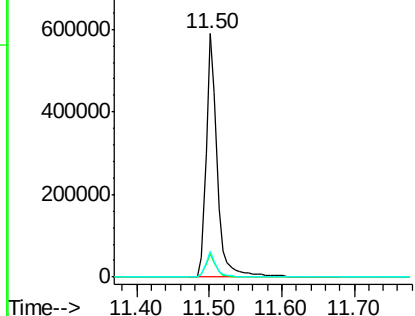
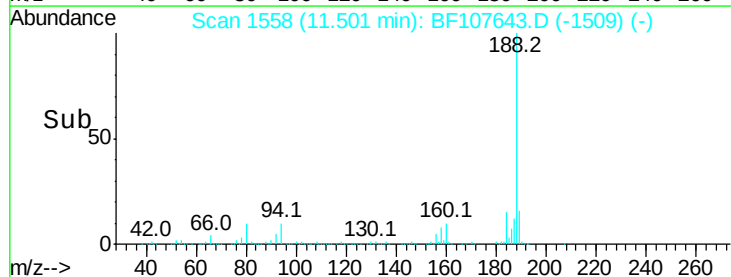


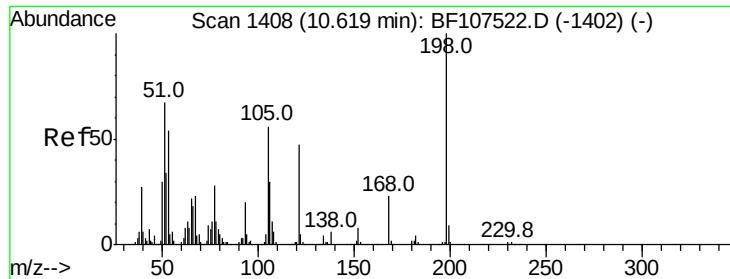
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107643.D
 Acq: 25 Jul 2018 3:58

Tgt Ion:188 Resp: 629947
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.5 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

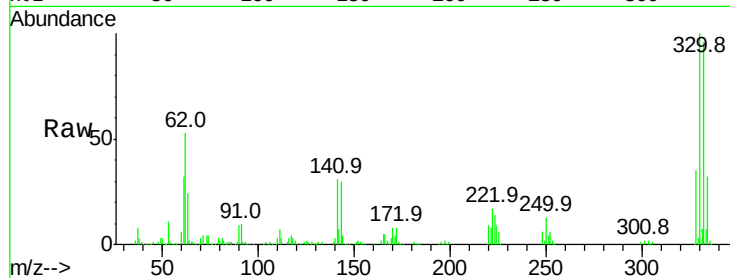




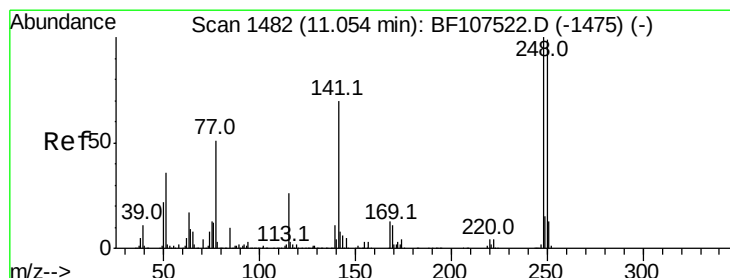
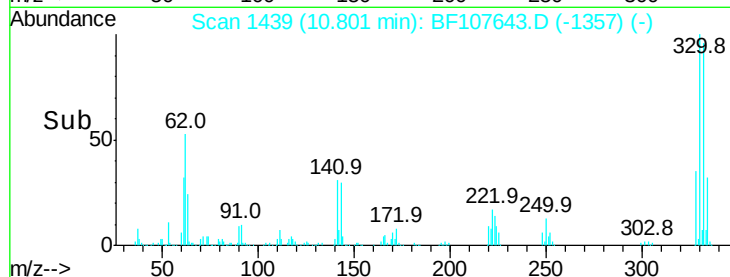
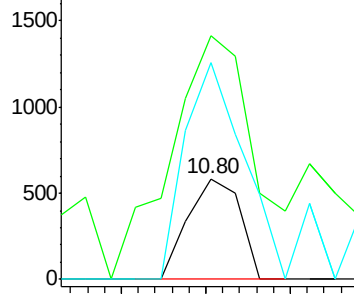
#64
4,6-Dinitro-2-methylphenol
Concen: 8.816 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.18 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 501
Ion Ratio Lower Upper
198 100
51 242.8 37.7 77.7#
105 216.2 36.3 76.3#

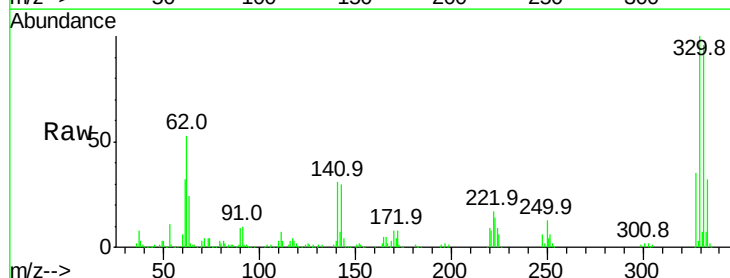


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

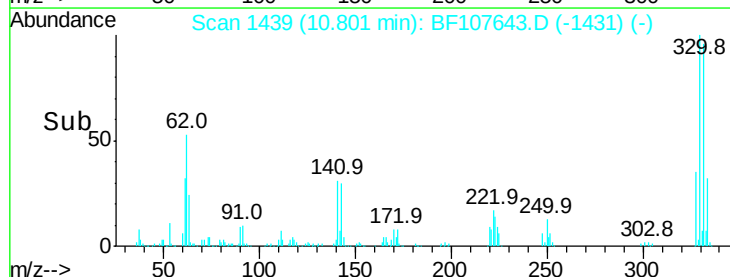
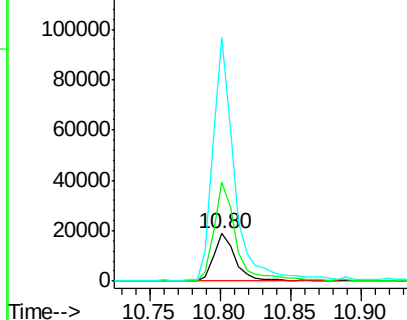


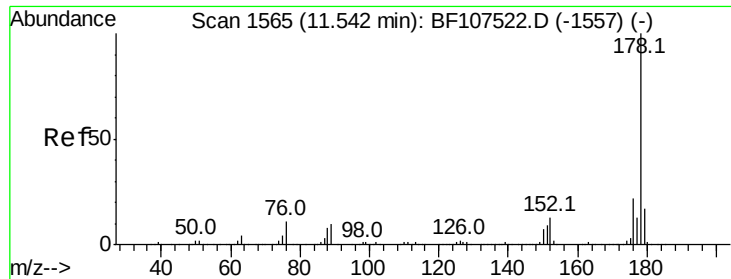
#66
4-Bromophenyl-phenylether
Concen: 2.749 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Tgt Ion:248 Resp: 20385
Ion Ratio Lower Upper
248 100
250 210.4 76.9 115.3#
141 514.8 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

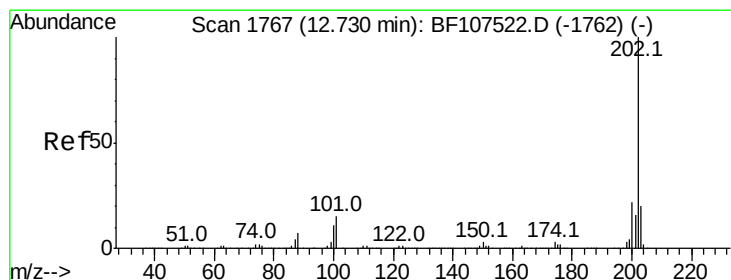
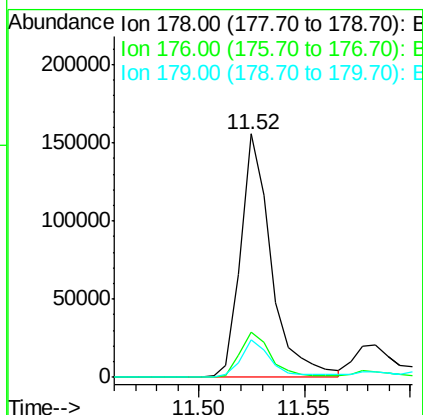
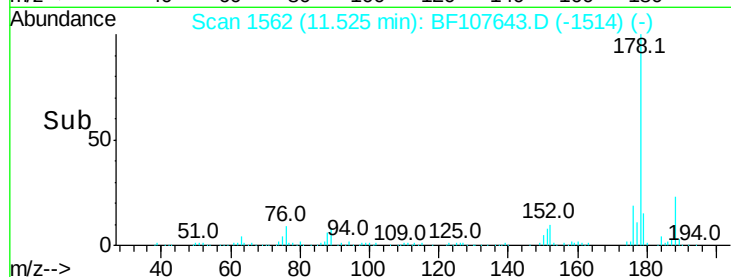
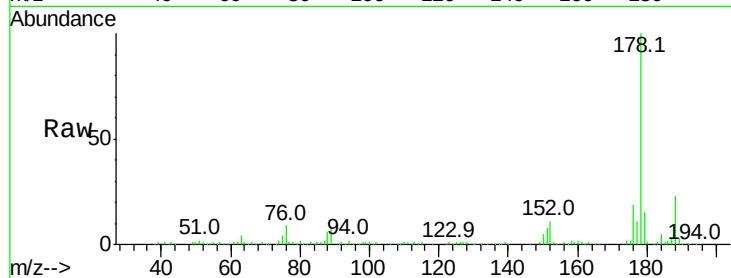




#70
Phenanthrene
Concen: 5.104 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

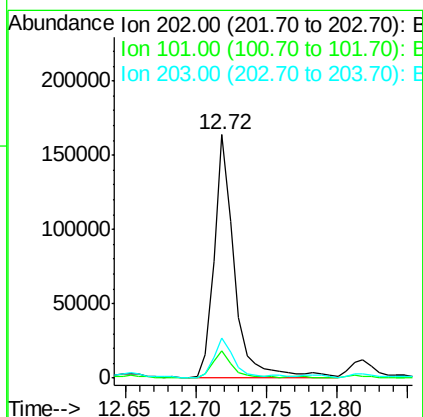
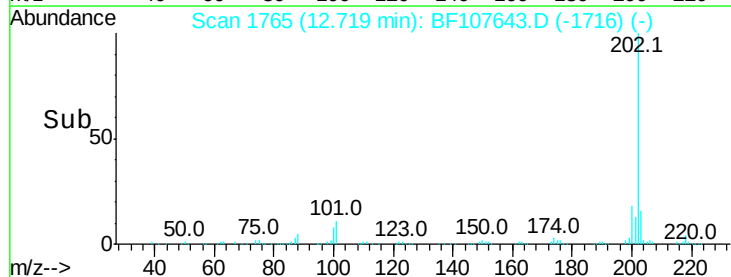
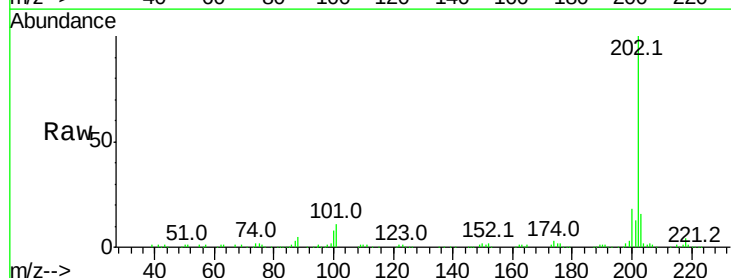
Instrument :
BNA_F
ClientSampleId :

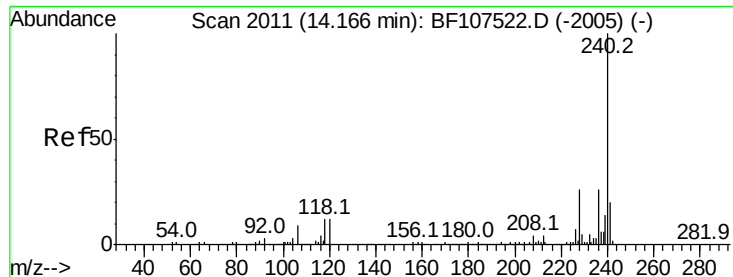
Tot Ion:178 Resp: 156680
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.3 13.0 19.6



#74
Fluoranthene
Concen: 4.884 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Tgt Ion:202 Resp: 160878
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 16.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

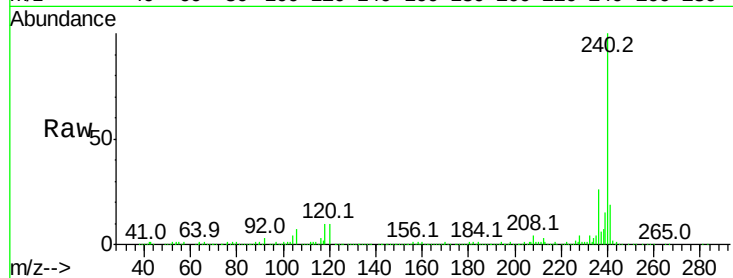
Tot Ion:240 Resp: 486674

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

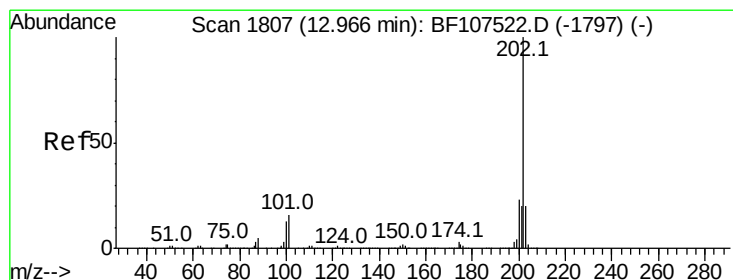
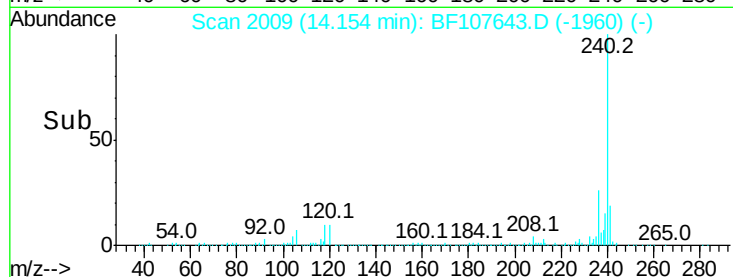
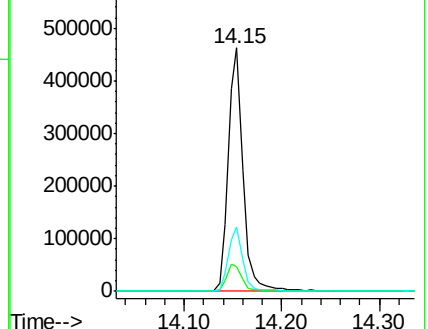
236 26.3 20.7 31.1



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



#77

Pyrene

Concen: 6.094 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

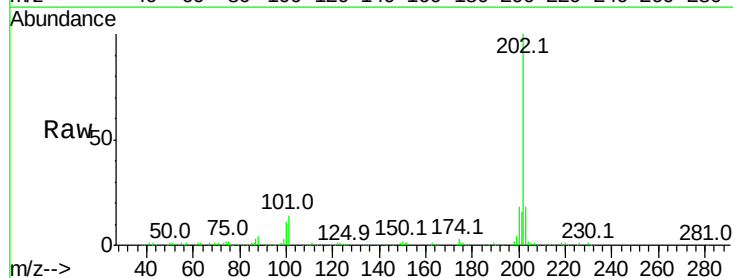
Tgt Ion:202 Resp: 202871

Ion Ratio Lower Upper

202 100

200 18.3 17.4 26.2

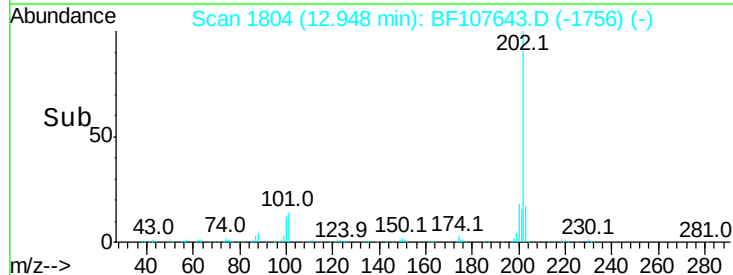
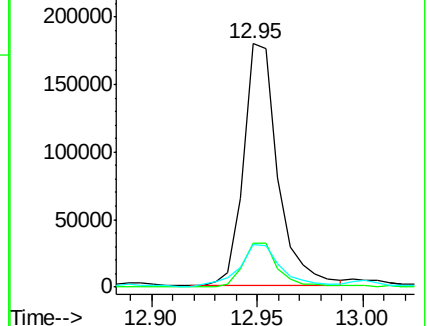
203 17.7 14.3 21.5

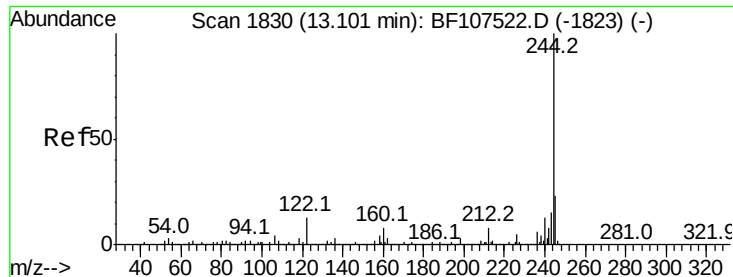


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.997 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

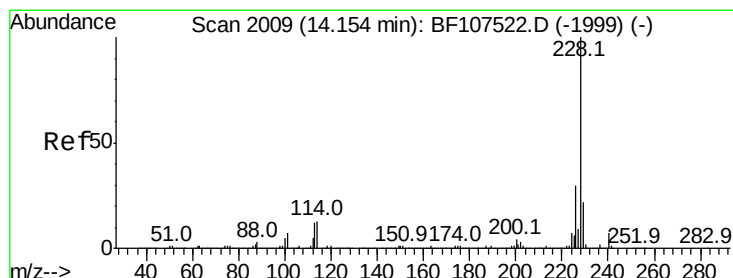
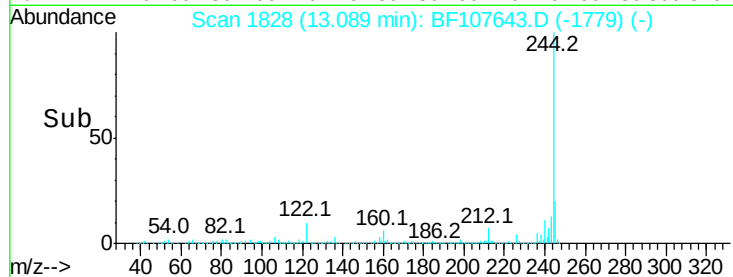
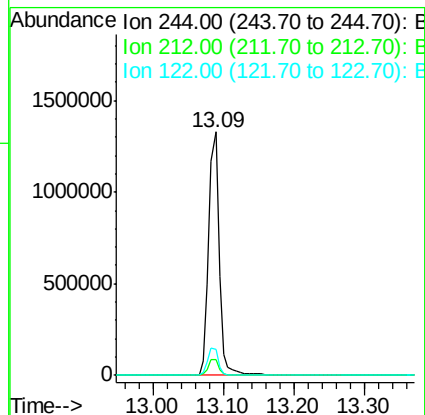
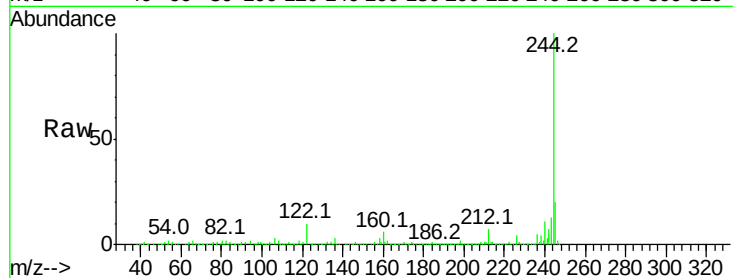
Tot Ion:244 Resp: 1387670

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.5 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 2.722 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

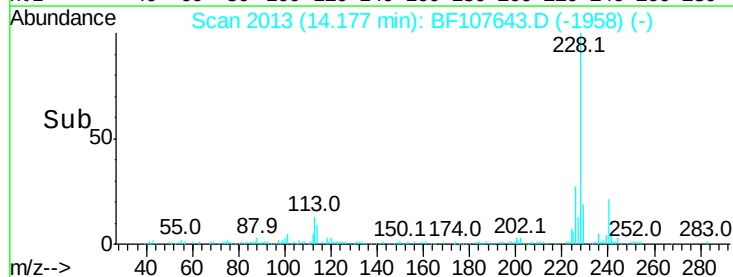
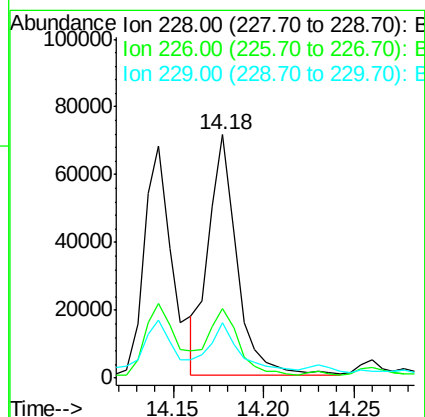
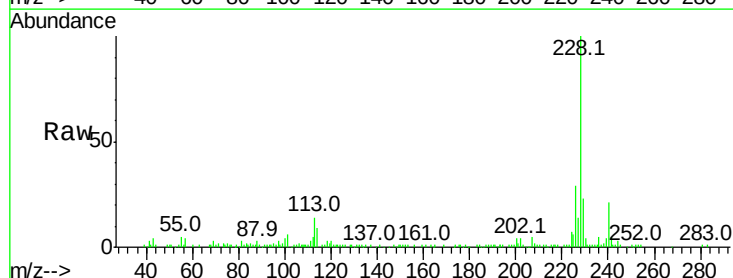
Tgt Ion:228 Resp: 77619

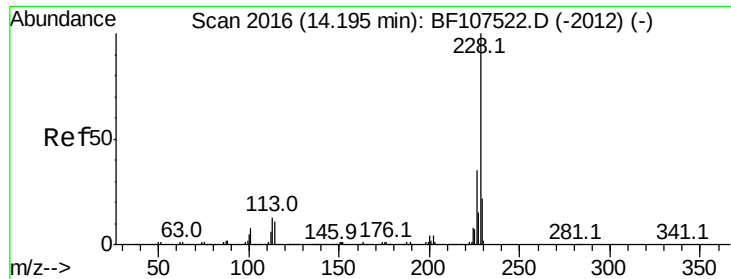
Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

229 22.7 15.8 23.6





#82

Chrysene

Concen: 2.833 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

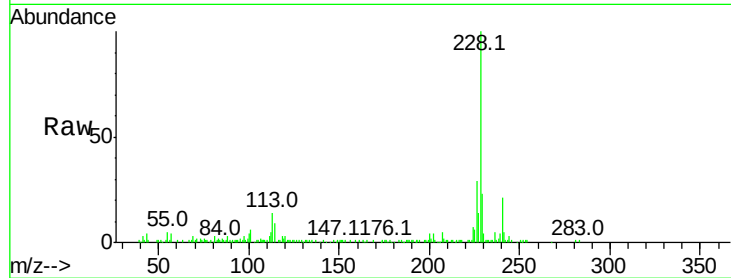
Tot Ion:228 Resp: 77619

Ion Ratio Lower Upper

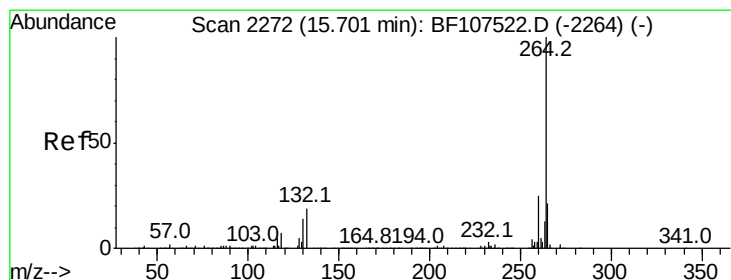
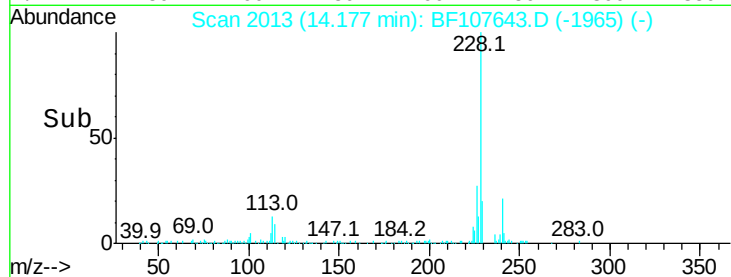
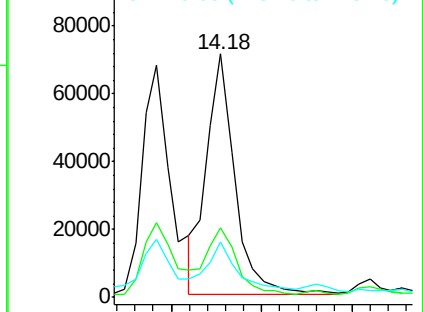
228 100

226 28.5 25.0 37.6

229 22.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

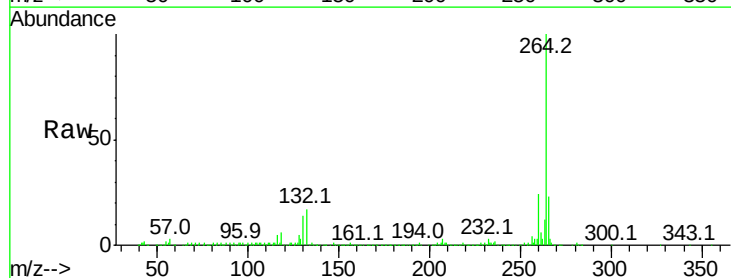
Tgt Ion:264 Resp: 377271

Ion Ratio Lower Upper

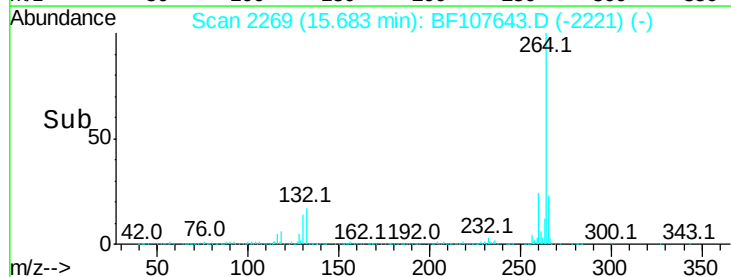
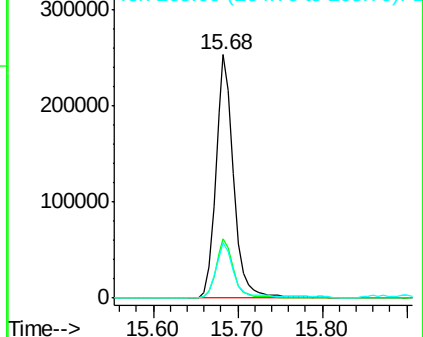
264 100

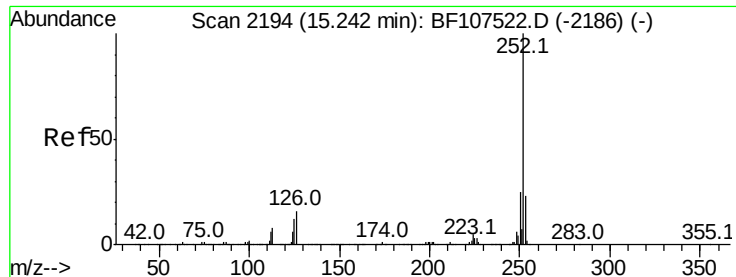
260 24.3 19.2 28.8

265 22.7 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

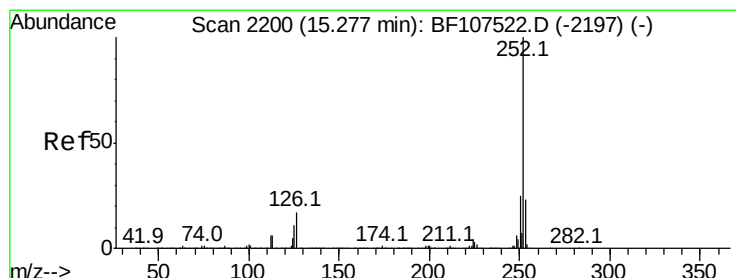
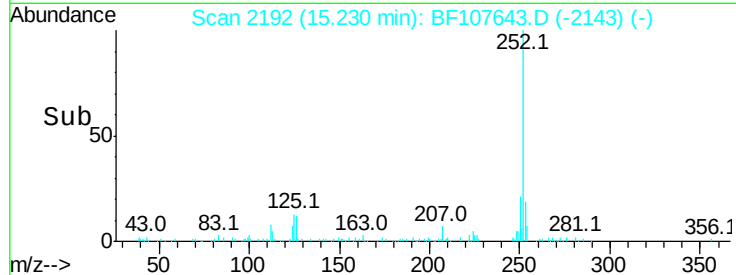
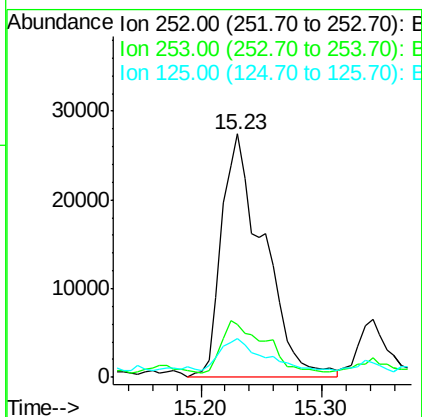
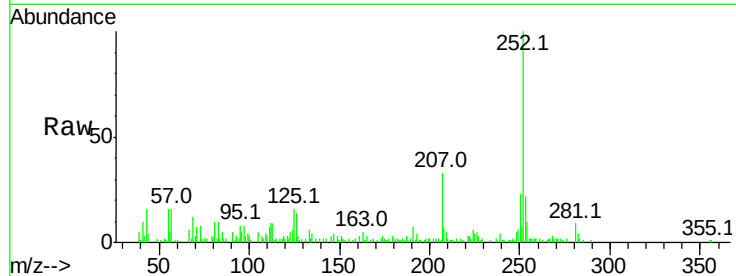




#87
Benzo(b)fluoranthene
Concen: 3.216 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

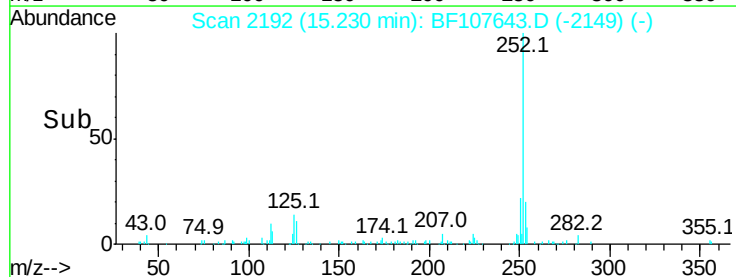
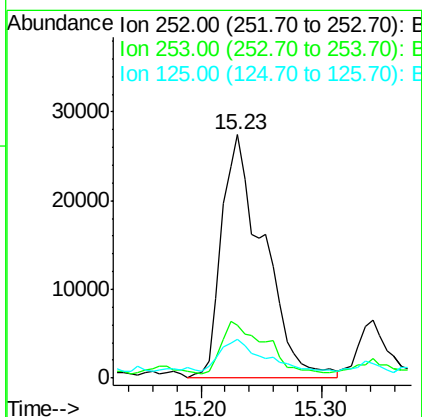
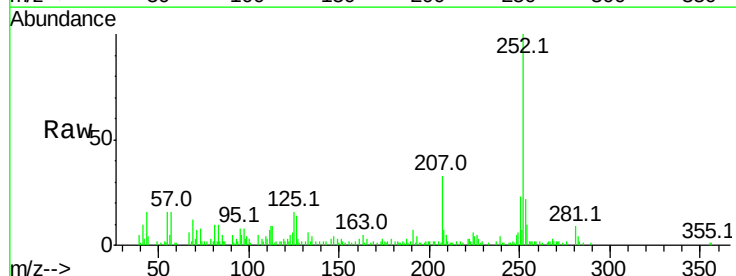
Instrument :
BNA_F
ClientSampleId :

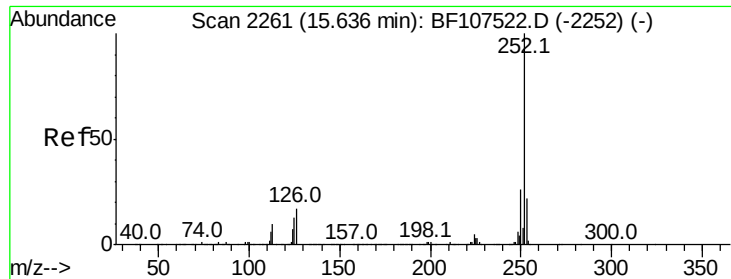
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	16.0	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.282 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF107643.D
Acq: 25 Jul 2018 3:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	16.0	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.200 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BF107643.D

Acq: 25 Jul 2018 3:58

Instrument :

BNA_F

ClientSampleId :

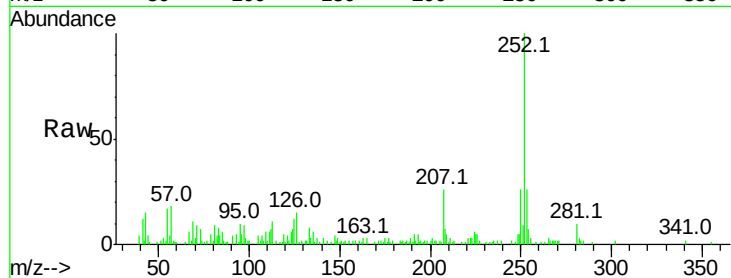
Tot Ion:252 Resp: 41552

Ion Ratio Lower Upper

252 100

253 25.6 17.1 25.7

125 11.8 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

