

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107486.D
 Acq On : 18 Jul 2018 19:07
 Operator : JU/SJ
 Sample : J4016-23
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 00:55:37 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

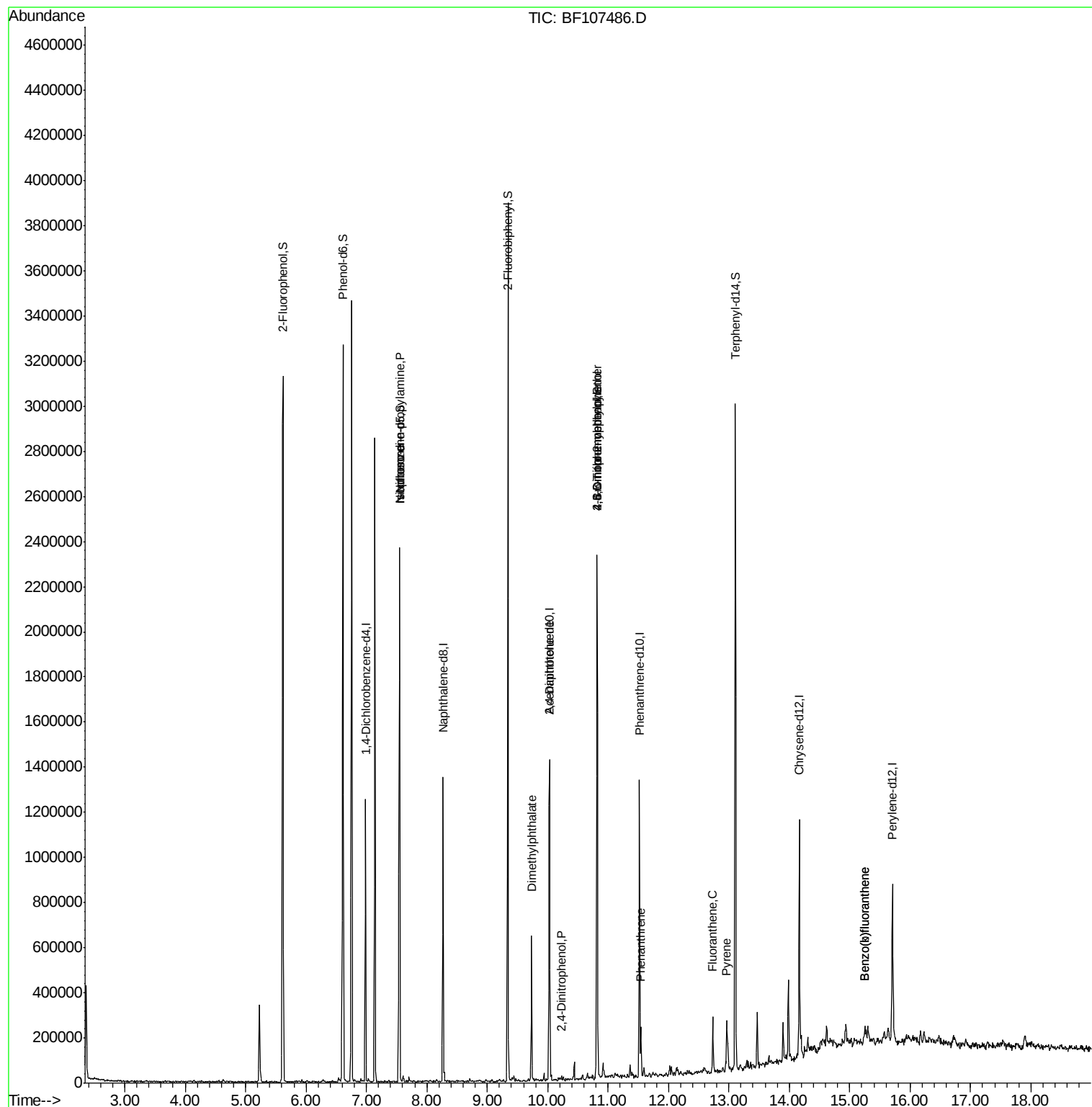
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	132599	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	505098	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	244381	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	438847	20.00	ng	0.00
75) Chrysene-d12	14.17	240	327364	20.00	ng	-0.01
86) Perylene-d12	15.71	264	295249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	736162	84.32	ng	0.00
7) Phenol-d6	6.61	99	950536	84.21	ng	0.00
23) Nitrobenzene-d5	7.55	82	706720	74.61	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	178385	83.08	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1078956	71.95	ng	0.00
78) Terphenyl-d14	13.11	244	876979	66.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	113216	14.008	ng	# 79
25) Isophorone	7.55	82	706708	37.641	ng	# 64
49) Dimethylphthalate	9.73	163	204552	10.535	ng	# 94
53) 2,4-Dinitrophenol	10.23	184	106	2.365	ng	# 1
56) 2,4-Dinitrotoluene	10.03	165	32788	6.789	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.82	198	245	7.577	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	23912	4.763	ng	# 1
70) Phenanthrene	11.54	178	63718	2.913	ng	99
74) Fluoranthene	12.74	202	72861	2.931	ng	91
77) Pyrene	12.97	202	69414	3.118	ng	96
87) Benzo(b)fluoranthene	15.25	252	36504	2.112	ng	94
88) Benzo(k)fluoranthene	15.25	252	36504	2.164	ng	96

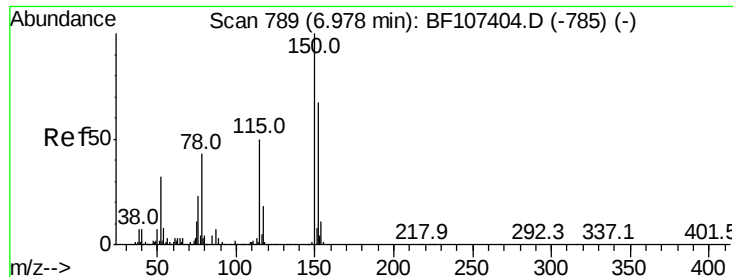
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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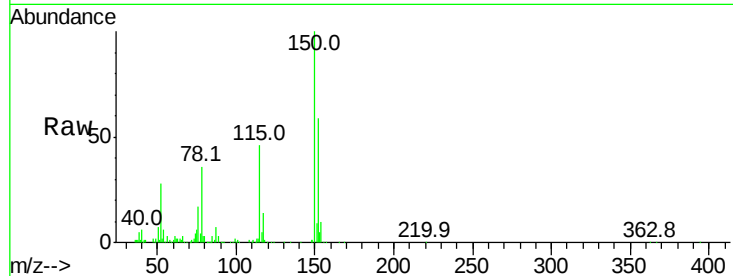


#1

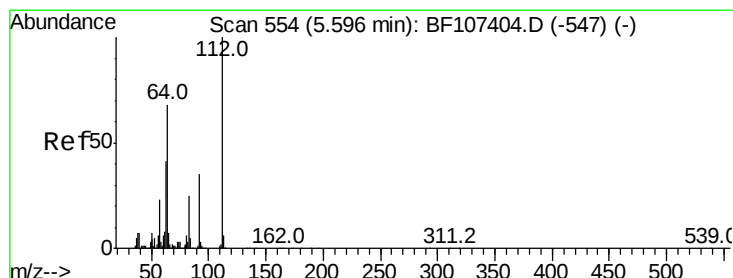
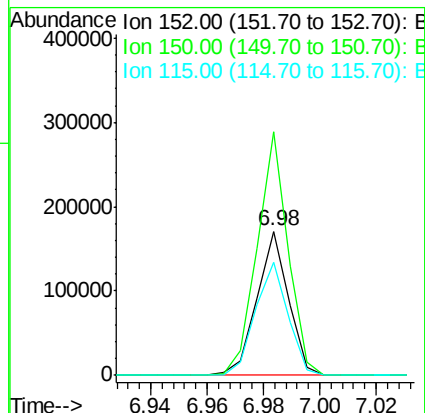
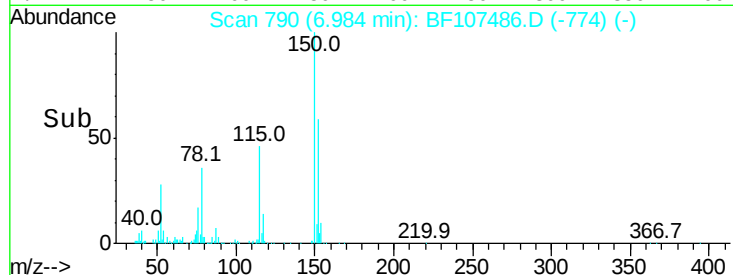
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF107486.D
 Acq: 18 Jul 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.1	124.6	186.8
115	78.2	50.1	75.1#



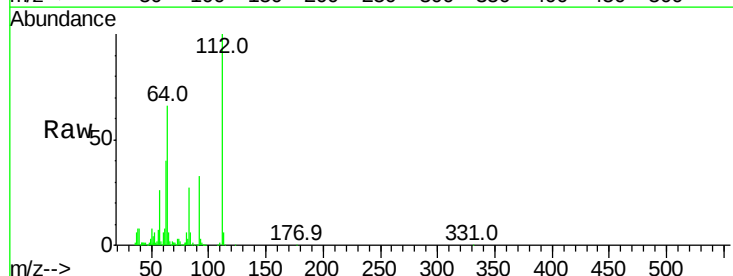
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



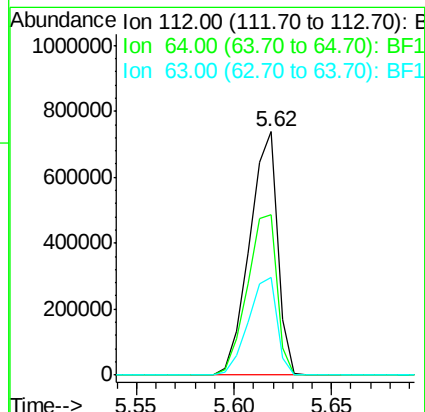
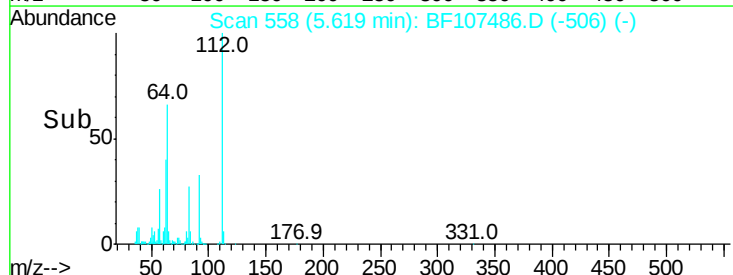
#5

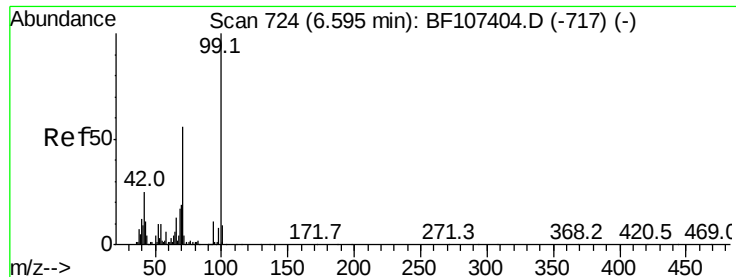
2-Fluorophenol
 Concen: 84.317 ng
 RT: 5.62 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: BF107486.D
 Acq: 18 Jul 2018 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	39.9	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: 84.208 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampled :

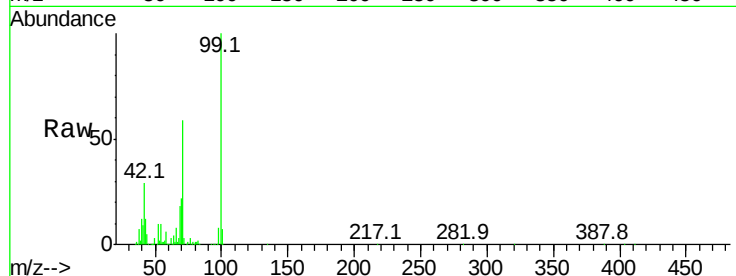
Tot Ion: 99 Resp: 950536

Ion Ratio Lower Upper

99 100

42 28.7 14.5 21.7#

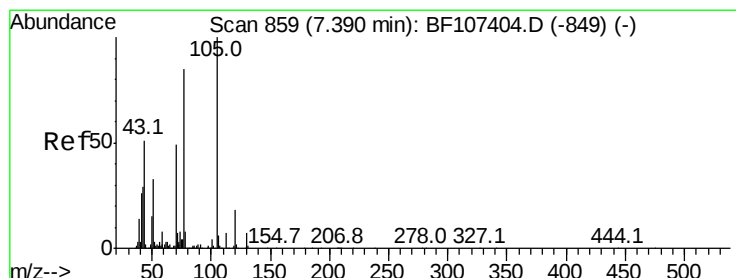
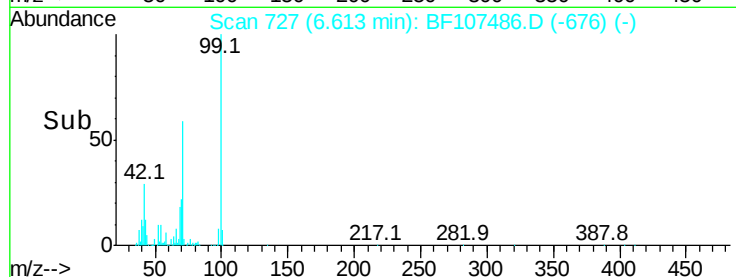
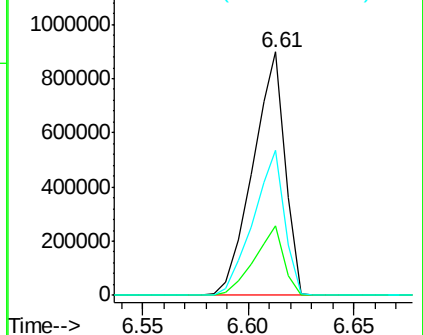
71 59.4 25.4 38.0#



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: 14.008 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Tgt Ion: 70 Resp: 113216

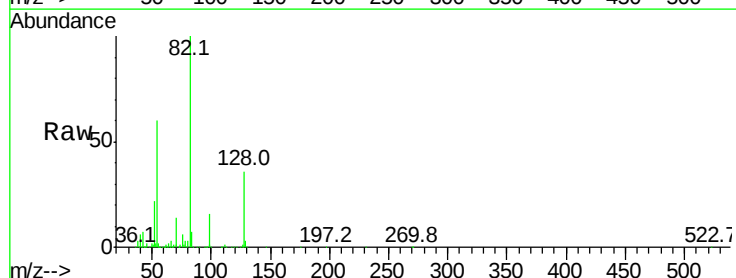
Ion Ratio Lower Upper

70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

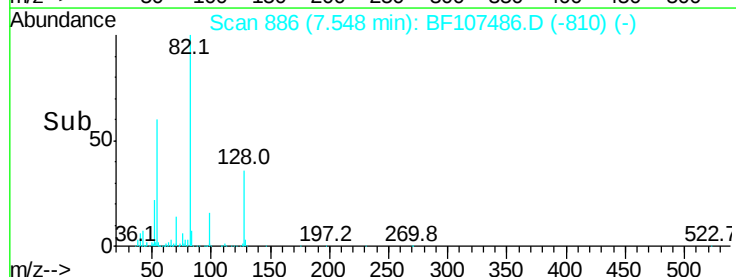
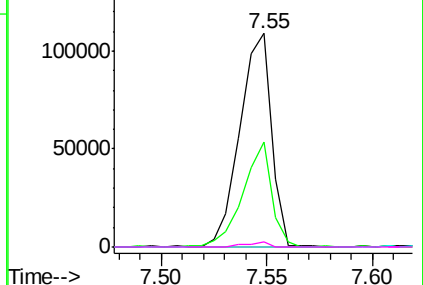


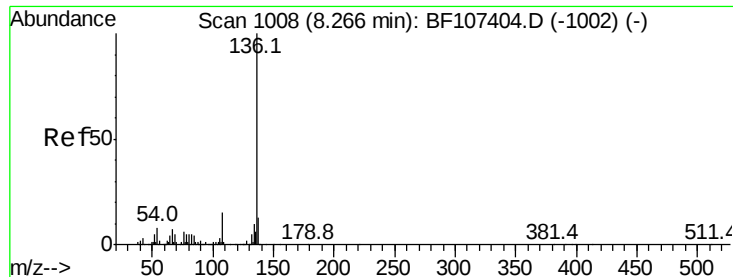
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 505098

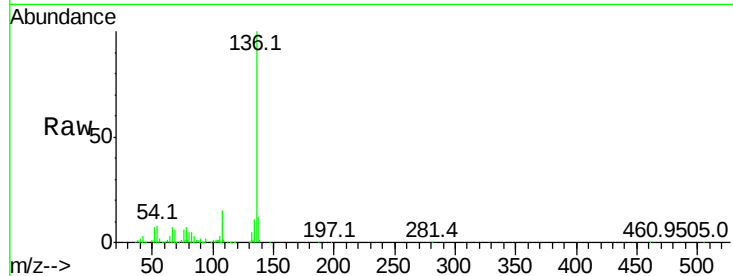
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 8.5 6.6 9.8

68 5.5 5.0 7.4

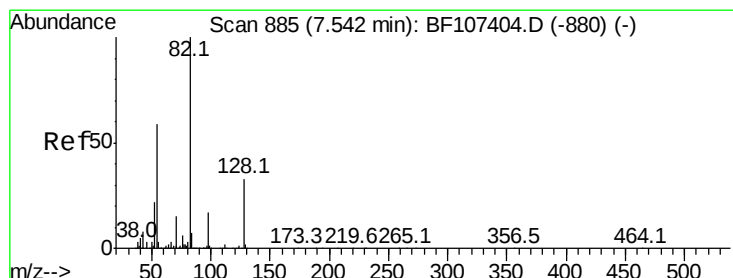
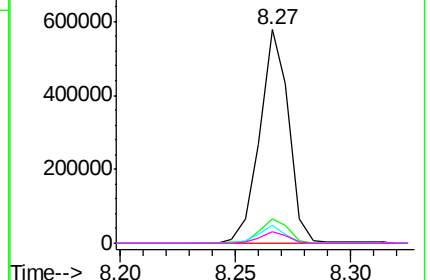
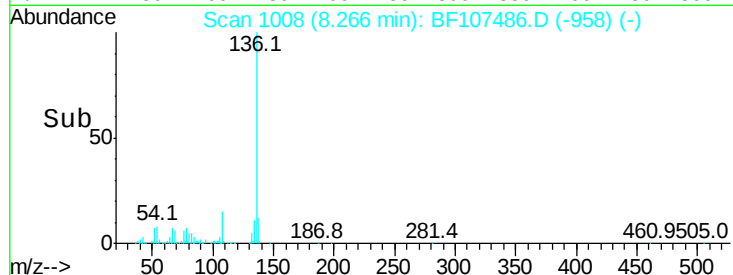


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.610 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

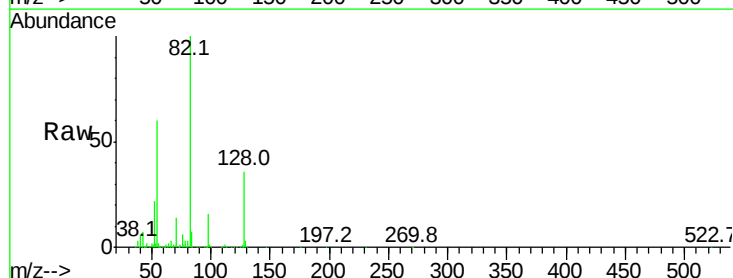
Tgt Ion: 82 Resp: 706720

Ion Ratio Lower Upper

82 100

128 35.9 36.1 54.1#

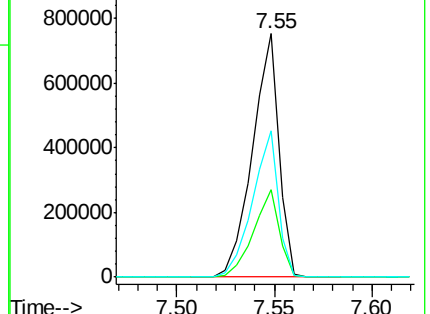
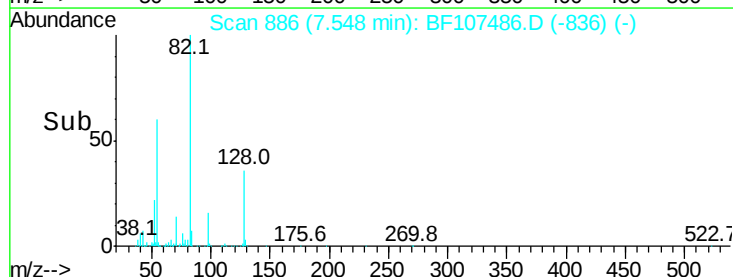
54 60.2 41.4 62.2

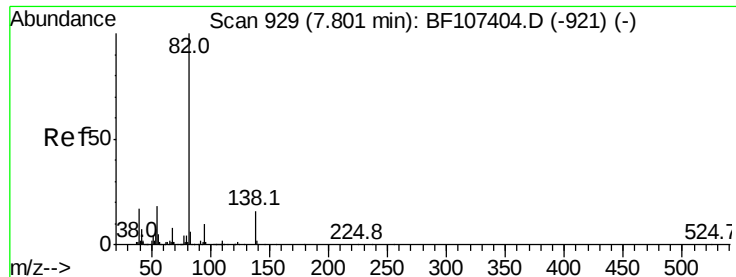


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.641 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

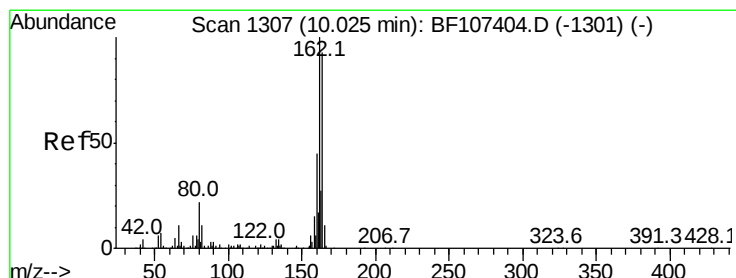
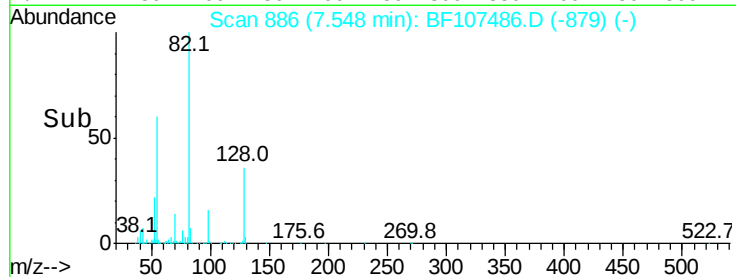
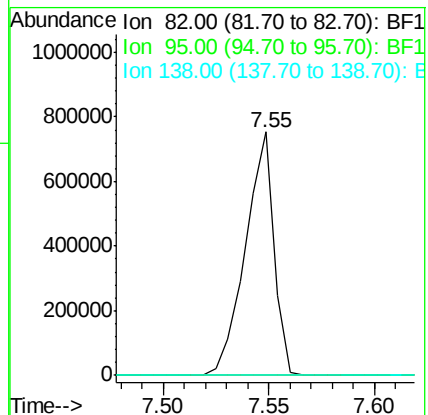
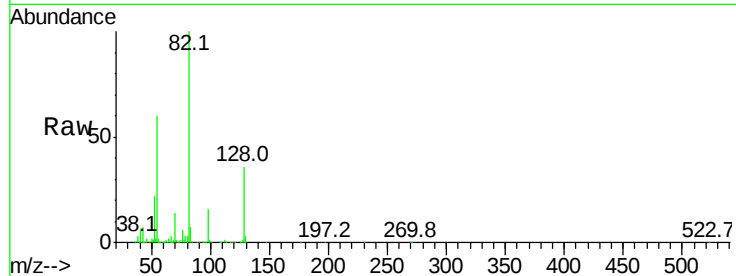
Tot Ion: 82 Resp: 706708

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: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

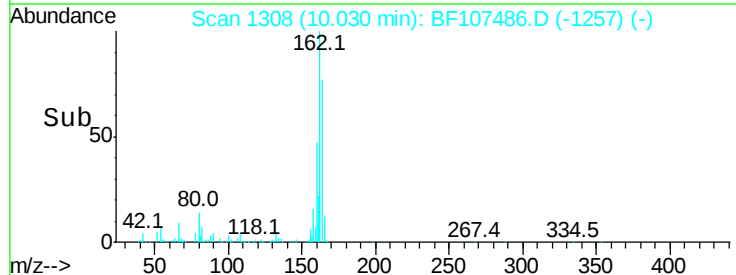
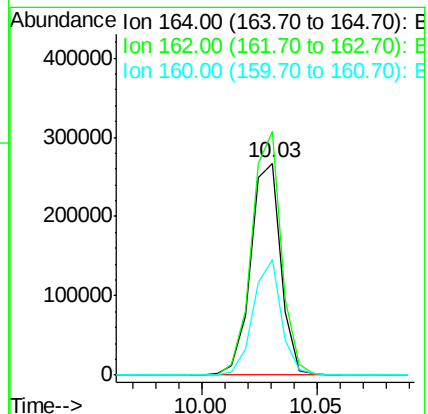
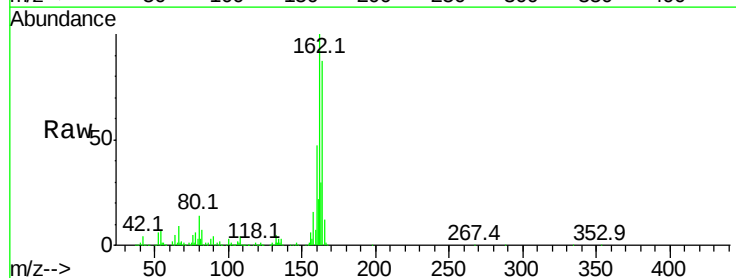
Tgt Ion: 164 Resp: 244381

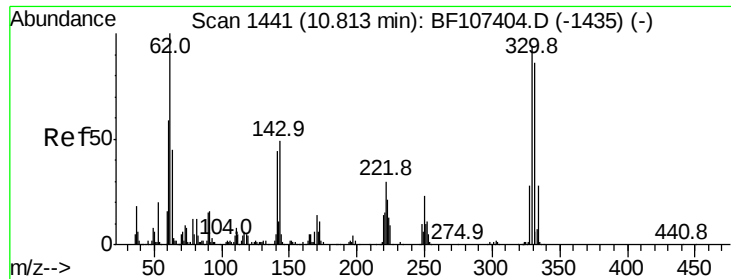
Ion Ratio Lower Upper

164 100

162 115.0 86.1 129.1

160 54.6 38.3 57.5

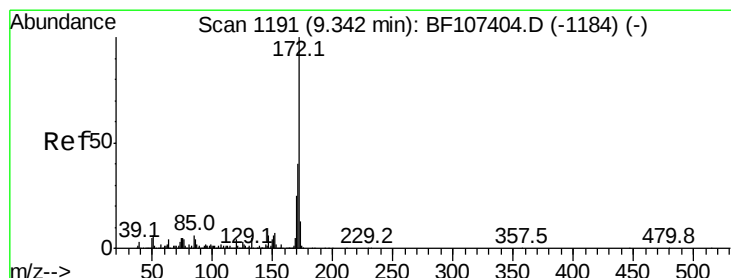
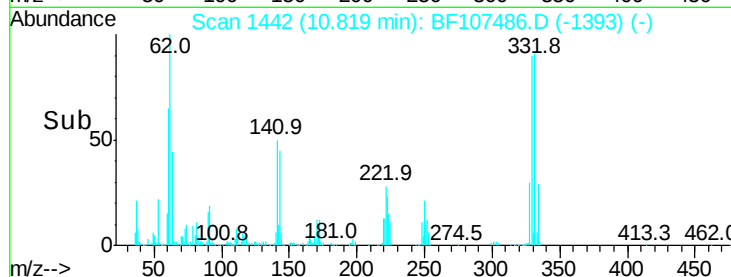
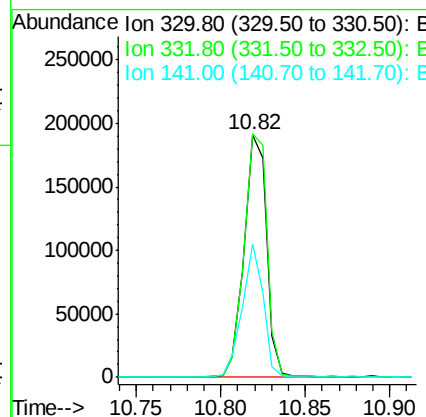
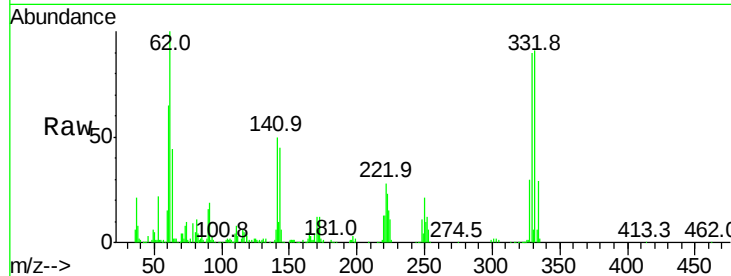




#41
 2,4,6-Tribromophenol
 Concen: 83.079 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF107486.D
 Acq: 18 Jul 2018 19:07

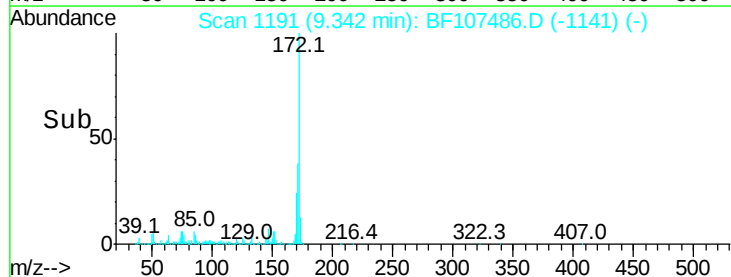
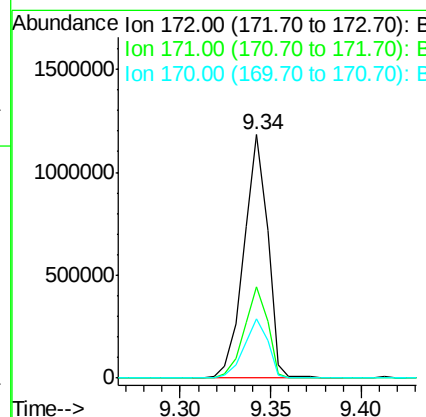
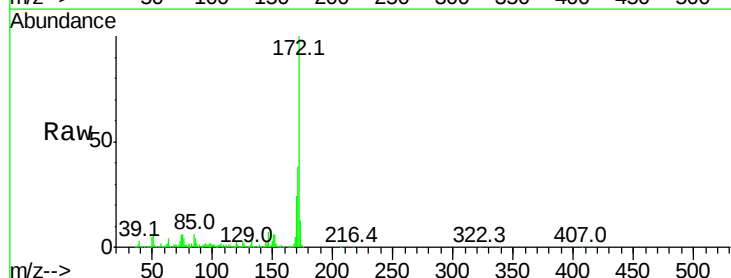
Instrument :
 BNA_F
 ClientSampled :

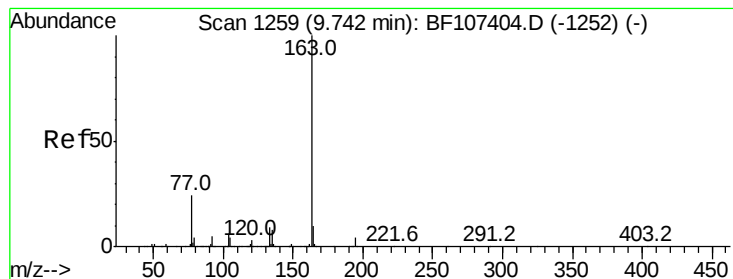
Tot Ion:330 Resp: 178385
 Ion Ratio Lower Upper
 330 100
 332 103.4 77.0 115.6
 141 50.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 71.950 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107486.D
 Acq: 18 Jul 2018 19:07

Tgt Ion:172 Resp: 1078956
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.7 44.5
 170 24.5 19.6 29.4





#49

Dimethylphthalate

Concen: 10.535 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

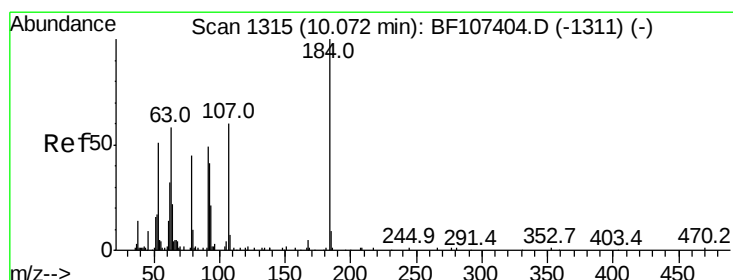
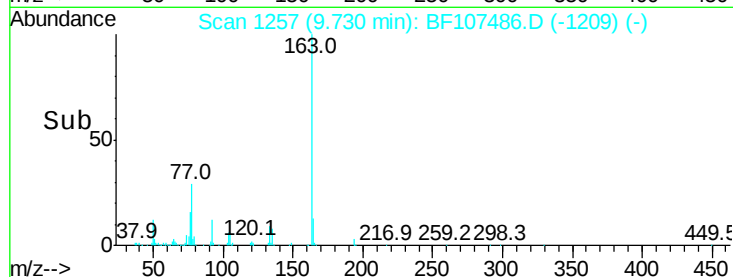
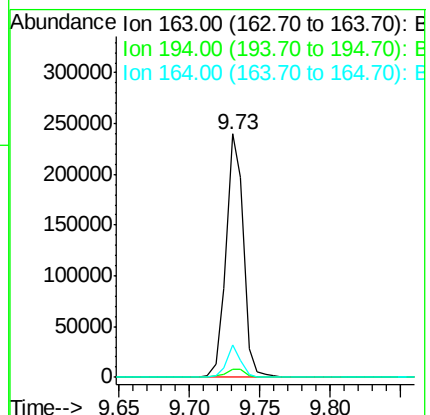
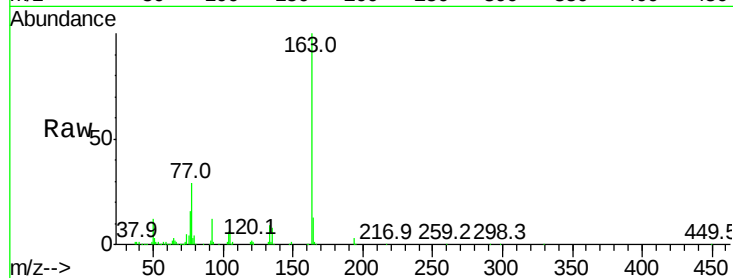
Tot Ion:163 Resp: 204552

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

164 13.2 8.2 12.2#



#53

2,4-Dinitrophenol

Concen: 2.365 ng

RT: 10.23 min Scan# 1342

Delta R.T. 0.14 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

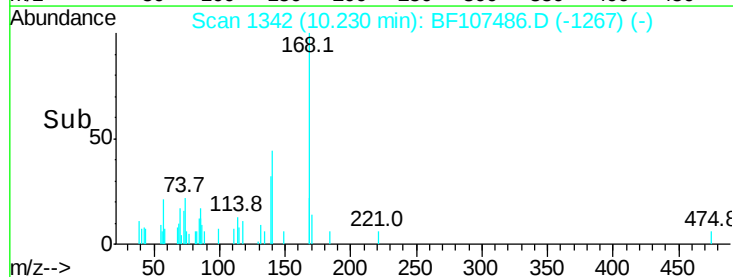
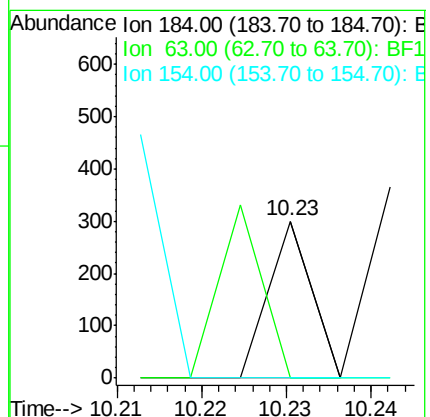
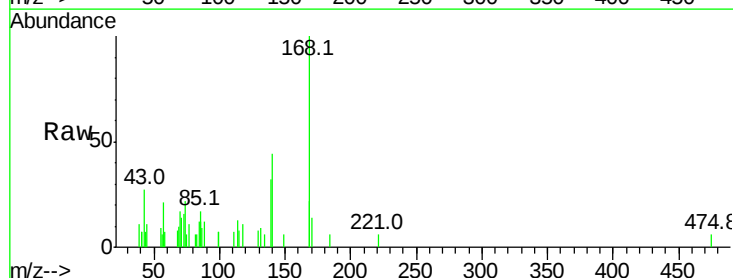
Tgt Ion:184 Resp: 106

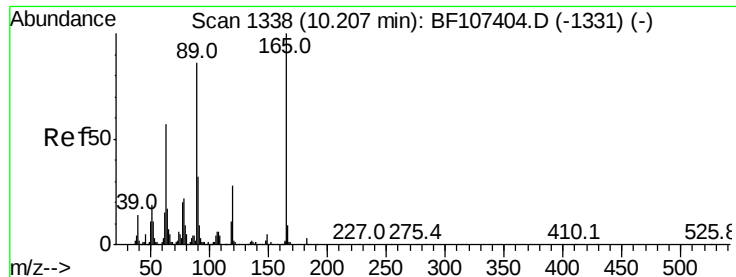
Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

154 0.0 184.0 276.0#

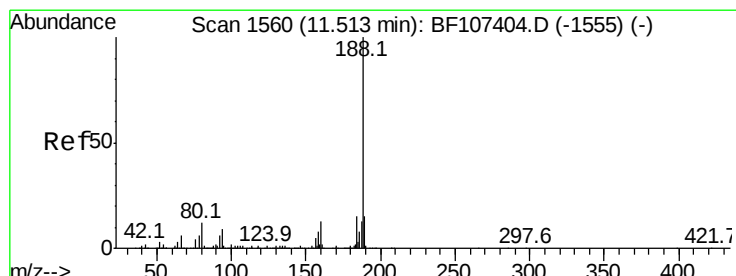
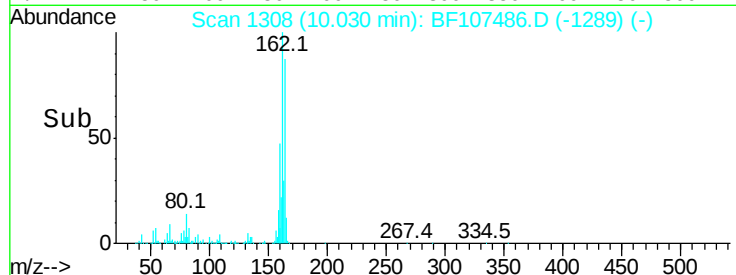
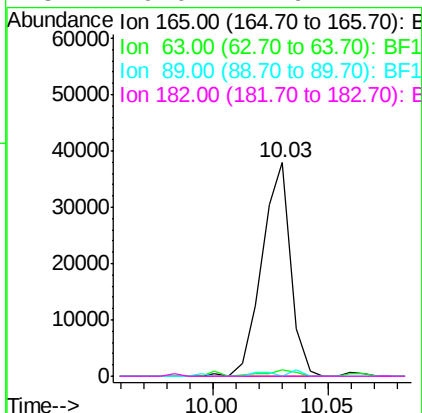
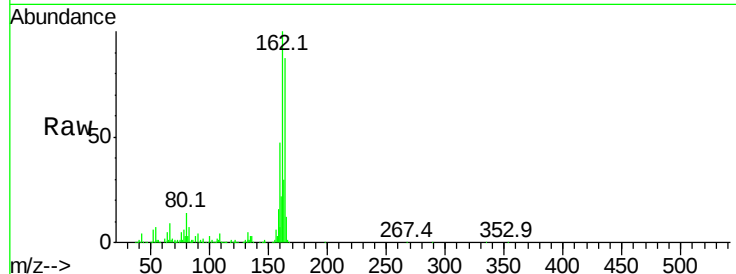




#56
2,4-Dinitrotoluene
Concen: 6.789 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF107486.D
Acq: 18 Jul 2018 19:07

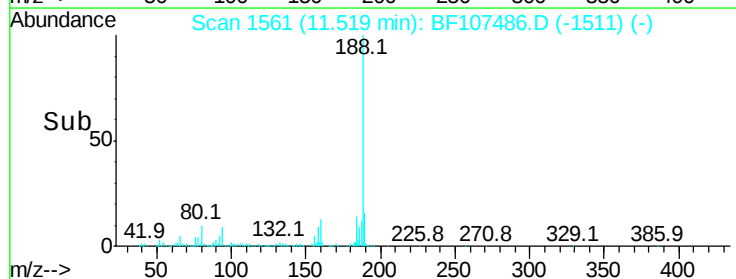
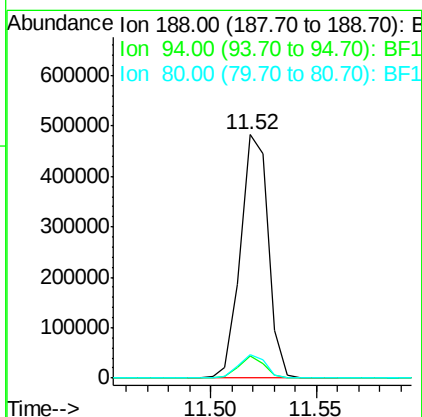
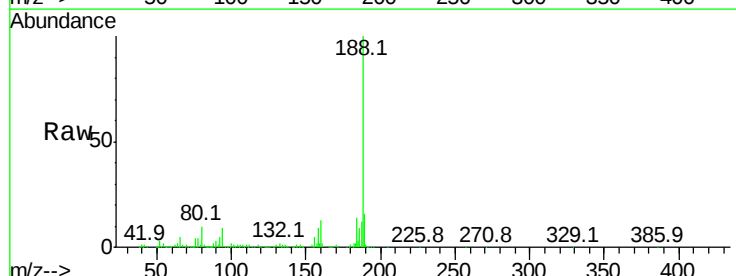
Instrument :
BNA_F
ClientSampleId :

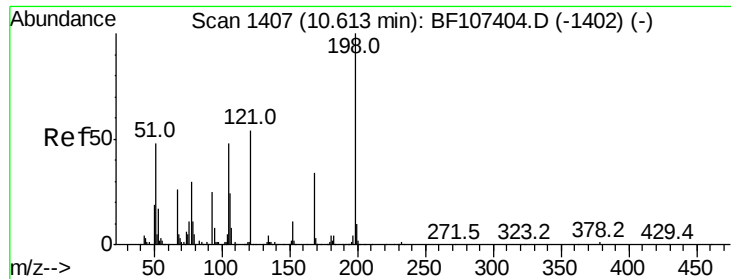
Tot Ion:165 Resp: 32788
Ion Ratio Lower Upper
165 100
63 2.8 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107486.D
Acq: 18 Jul 2018 19:07

Tgt Ion:188 Resp: 438847
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 9.7 9.2 13.8

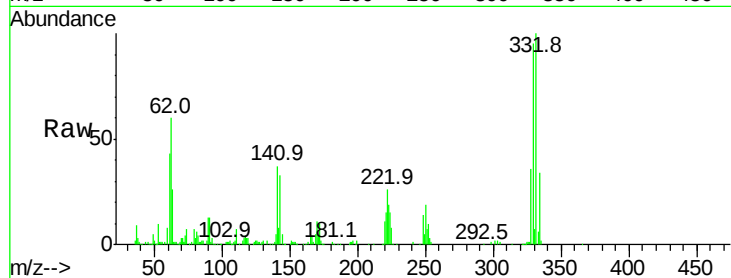




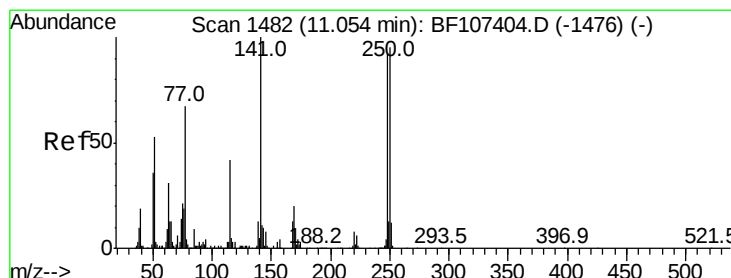
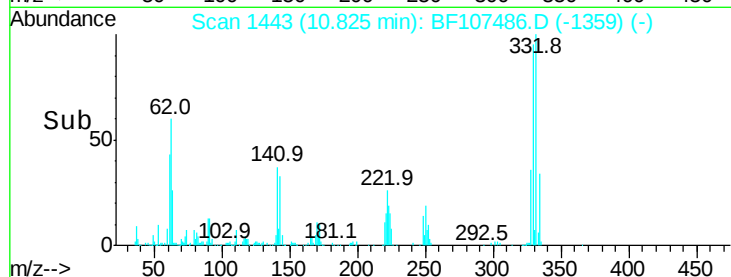
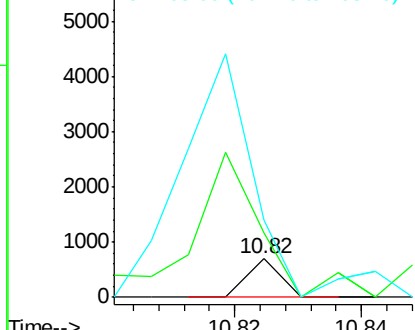
#64
4,6-Dinitro-2-methylphenol
Concen: 7.577 ng
RT: 10.82 min Scan# 1443
Delta R.T. 0.19 min
Lab File: BF107486.D
Acq: 18 Jul 2018 19:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 245
Ion Ratio Lower Upper
198 100
51 166.3 37.7 77.7#
105 201.7 36.3 76.3#

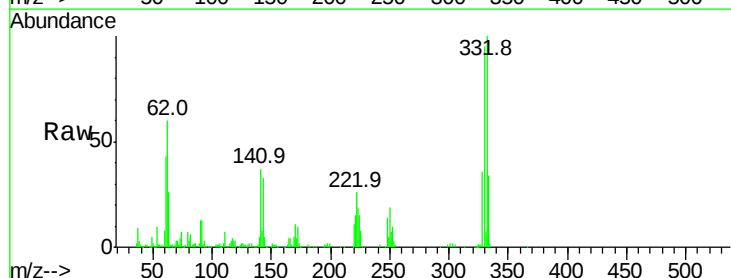


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

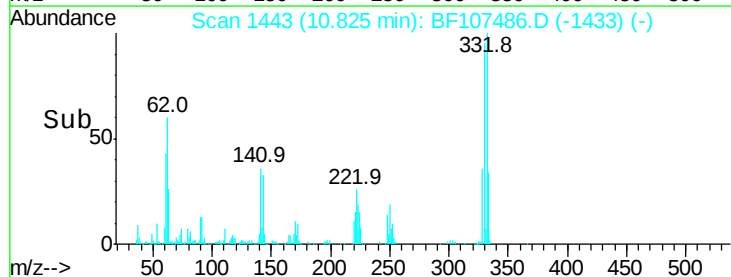
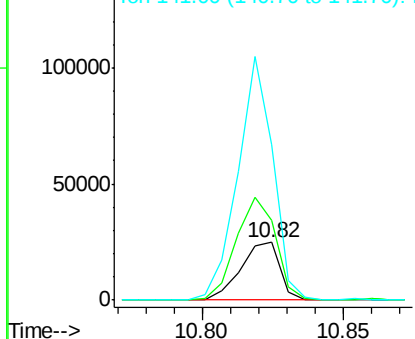


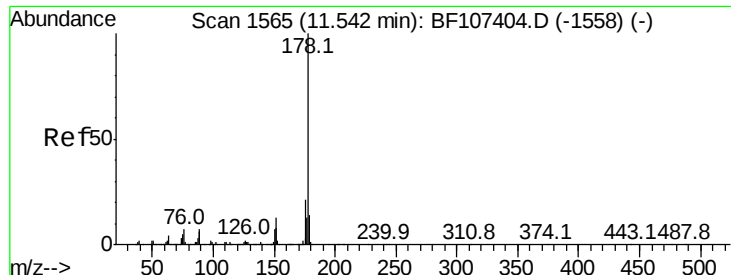
#66
4-Bromophenyl-phenylether
Concen: 4.763 ng
RT: 10.82 min Scan# 1443
Delta R.T. -0.24 min
Lab File: BF107486.D
Acq: 18 Jul 2018 19:07

Tgt Ion:248 Resp: 23912
Ion Ratio Lower Upper
248 100
250 137.0 76.9 115.3#
141 268.7 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





#70

Phenanthrene

Concen: 2.913 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

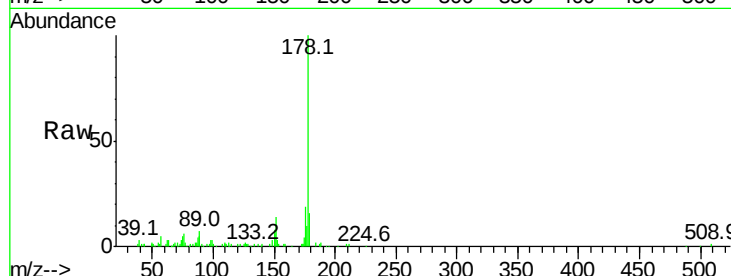
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63718

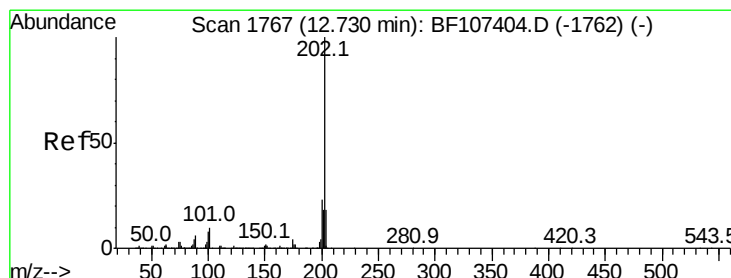
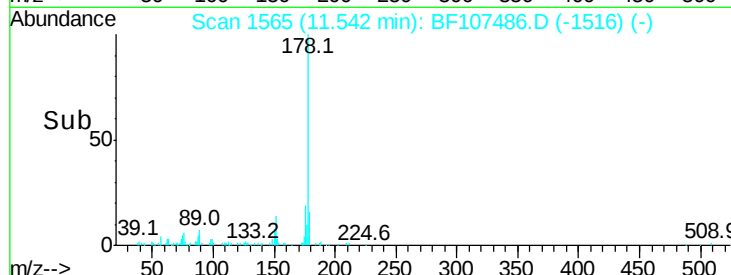
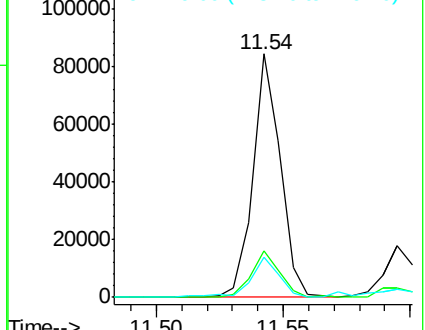
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.3	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.931 ng

RT: 12.74 min Scan# 1768

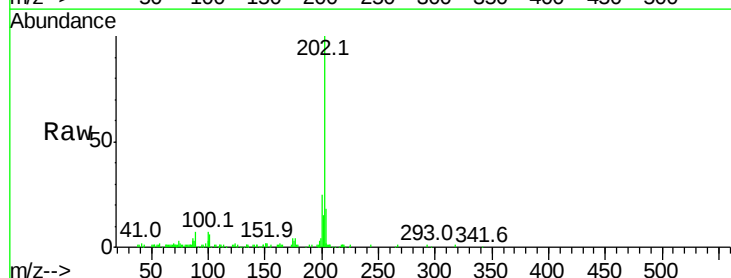
Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Tgt Ion:202 Resp: 72861

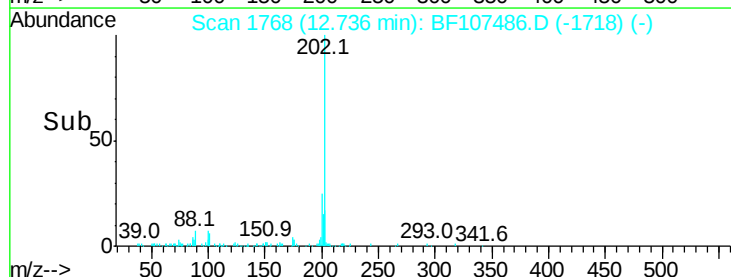
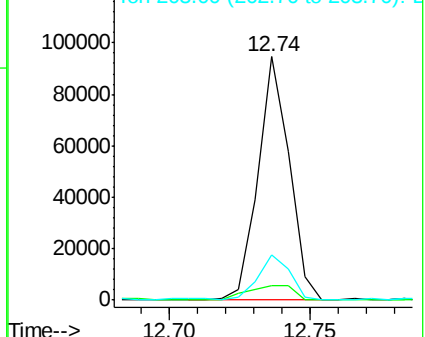
Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	34.1
203	18.4	0.0	38.1

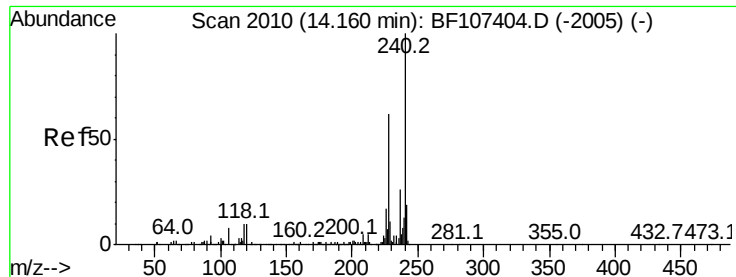


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

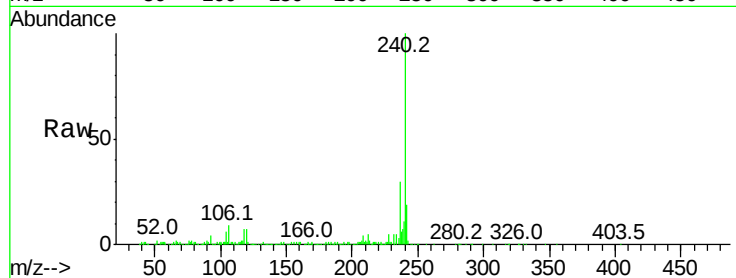
Tot Ion:240 Resp: 327364

Ion Ratio Lower Upper

240 100

120 6.5 9.5 14.3#

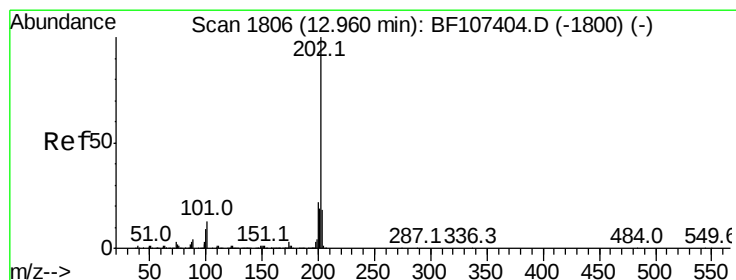
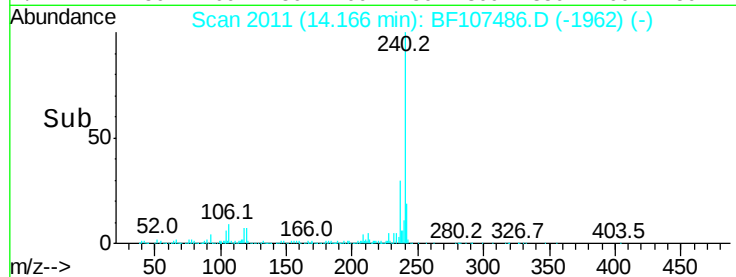
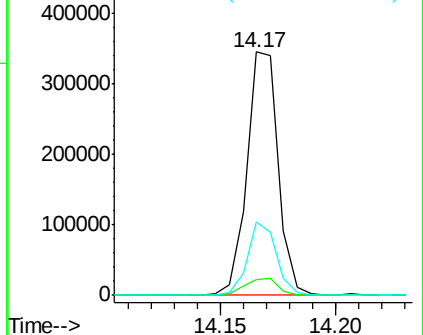
236 30.0 20.7 31.1



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



#77

Pyrene

Concen: 3.118 ng

RT: 12.97 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

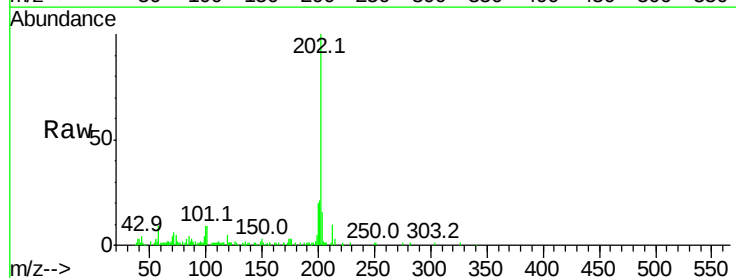
Tgt Ion:202 Resp: 69414

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

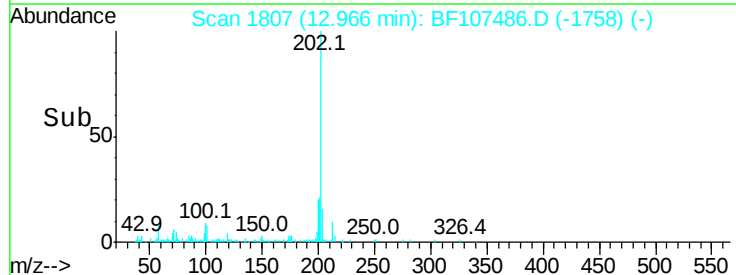
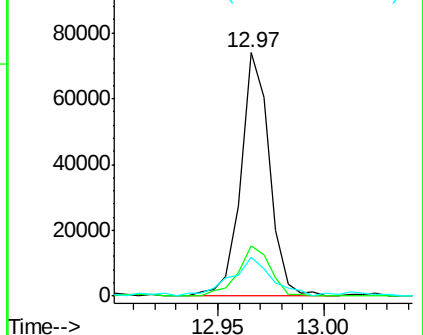
203 15.8 14.3 21.5

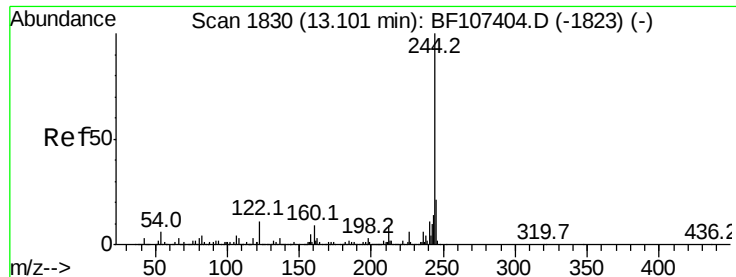


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.560 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

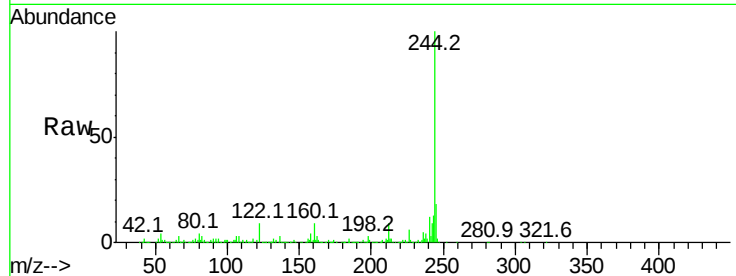
Tot Ion:244 Resp: 876979

Ion Ratio Lower Upper

244 100

212 8.9 5.4 8.0#

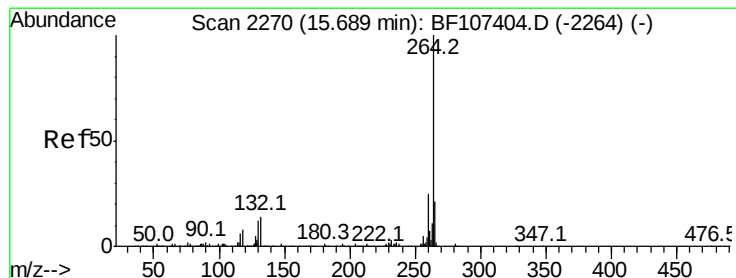
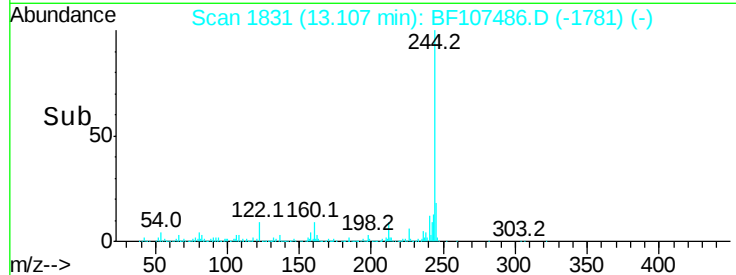
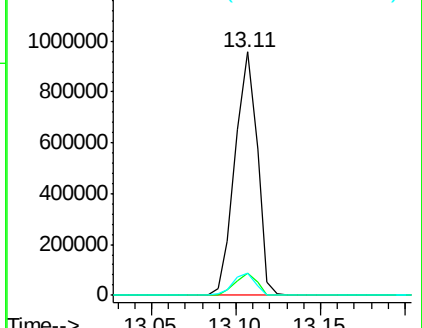
122 9.0 11.0 16.4#



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: 15.71 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

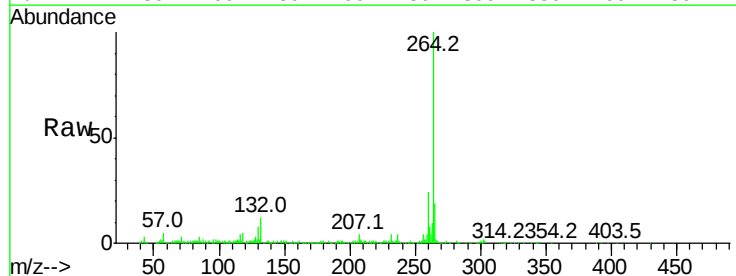
Tgt Ion:264 Resp: 295249

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

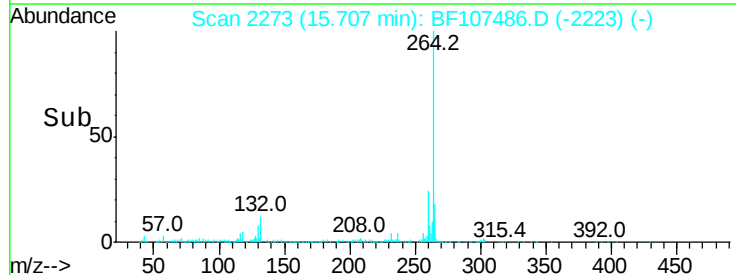
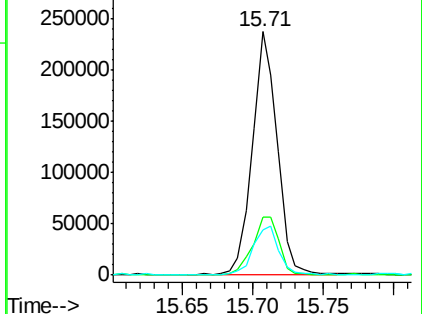
265 18.6 17.5 26.3

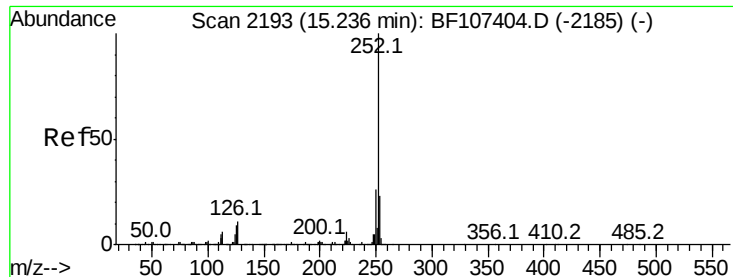


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.112 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107486.D

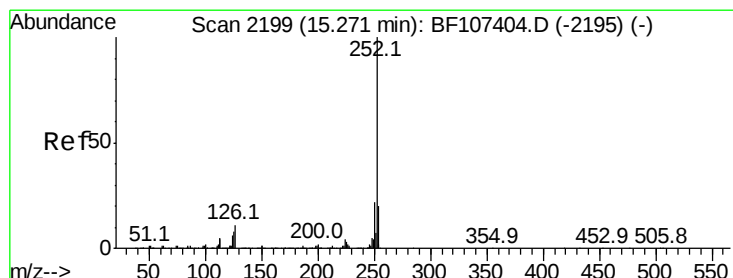
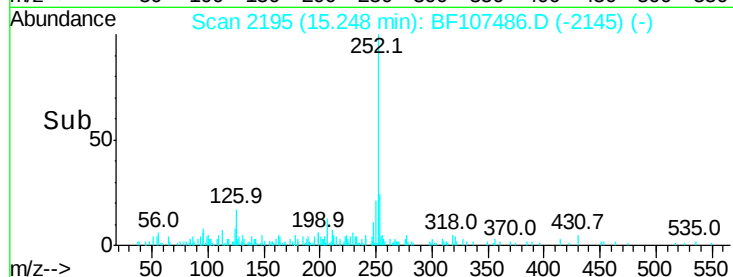
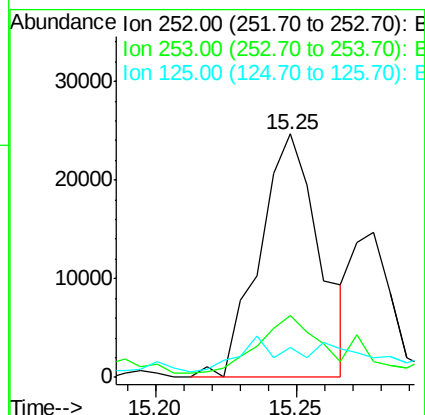
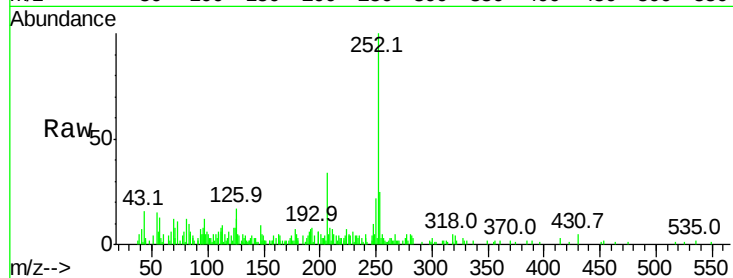
Acq: 18 Jul 2018 19:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	36504
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.0 25.6
125	12.1	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 2.164 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF107486.D

Acq: 18 Jul 2018 19:07

Tgt Ion:252	Resp:	36504
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.9 26.9
125	12.1	10.2 15.2

