

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107444.D
 Acq On : 17 Jul 2018 12:54
 Operator : JU/SJ
 Sample : J3819-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-071318-C

Quant Time: Jul 17 14:21:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	154782	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	584073	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	296490	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	560758	20.00	ng	0.00
75) Chrysene-d12	14.17	240	469733	20.00	ng	0.00
86) Perylene-d12	15.71	264	400965	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	458585	45.00	ng	0.00
7) Phenol-d6	6.60	99	592018	44.93	ng	0.00
23) Nitrobenzene-d5	7.54	82	425239	38.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	130142	49.96	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	702377	32.85	ng	-0.01
78) Terphenyl-d14	13.11	244	626843	33.16	ng	0.00

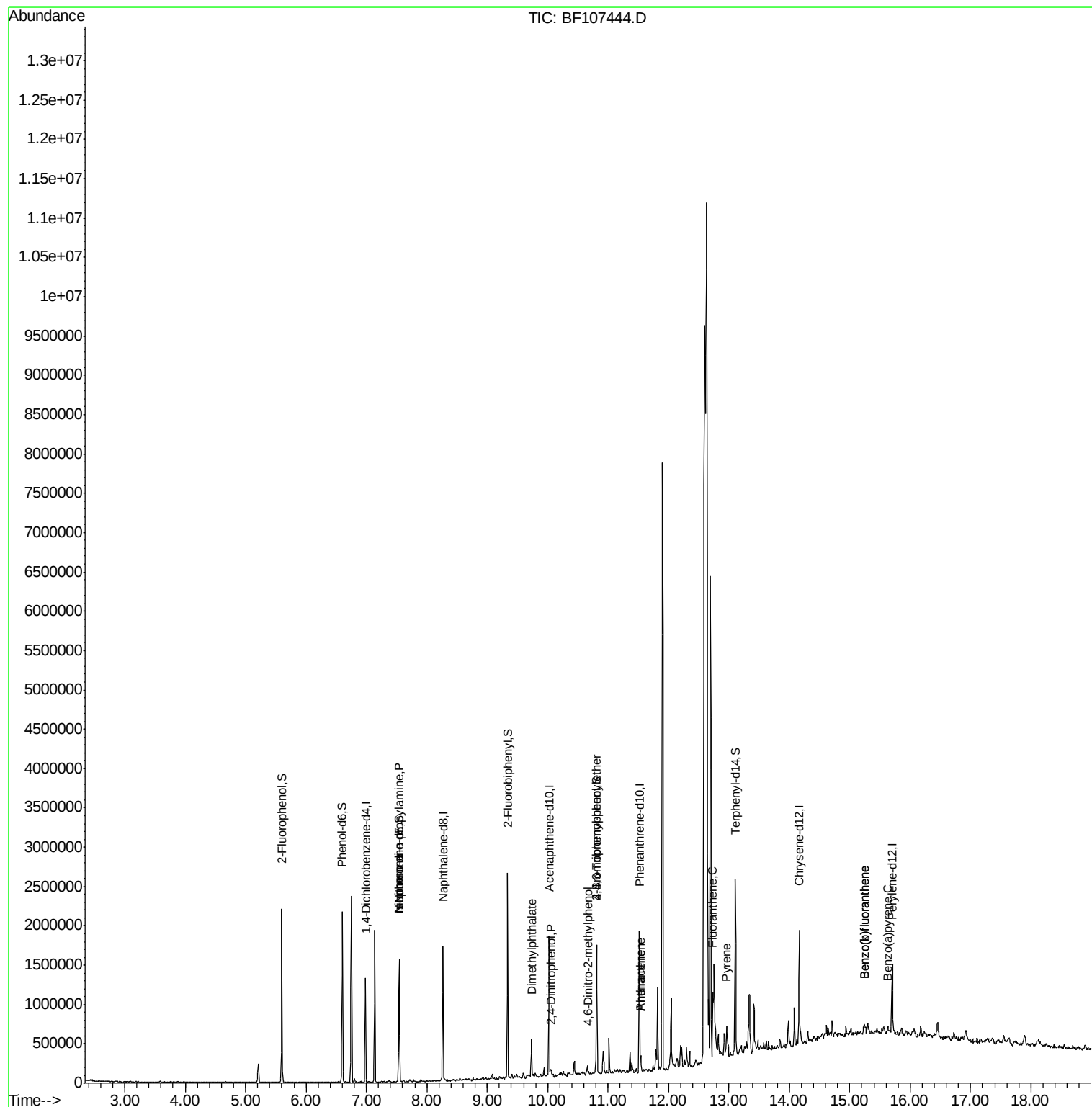
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	62453	6.620	ng	# 82
25) Isophorone	7.54	82	425231	19.586	ng	# 65
49) Dimethylphthalate	9.73	163	128048	5.436	ng	96
53) 2,4-Dinitrophenol	10.06	184	585	2.792	ng	# 42
64) 4,6-Dinitro-2-methylphenol	10.67	198	109	7.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	15793	2.462	ng	# 1
70) Phenanthrene	11.54	178	61438	2.198	ng	97
71) Anthracene	11.54	178	61438	2.207	ng	96
74) Fluoranthene	12.74	202	100119	3.152	ng	95
77) Pyrene	12.97	202	100313	3.140	ng	96
87) Benzo(b)fluoranthene	15.24	252	99569	4.243	ng	# 87
88) Benzo(k)fluoranthene	15.24	252	99569	4.347	ng	# 86
89) Benzo(a)pyrene	15.63	252	51128	2.374	ng	# 93

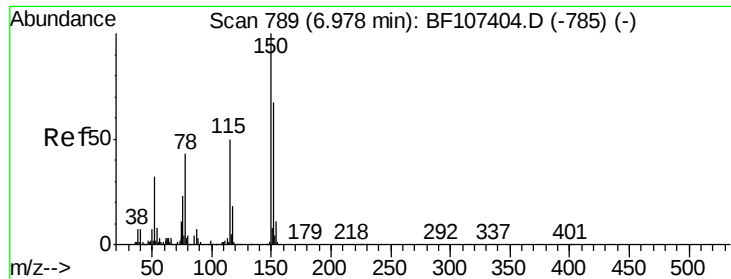
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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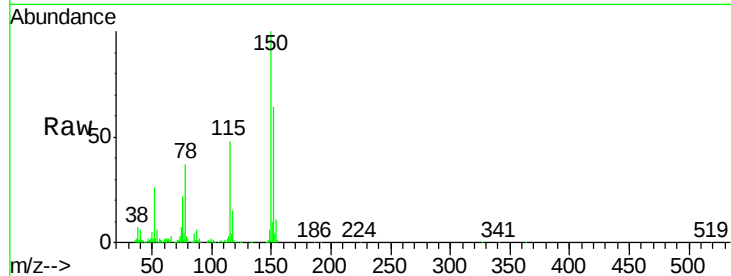


#1

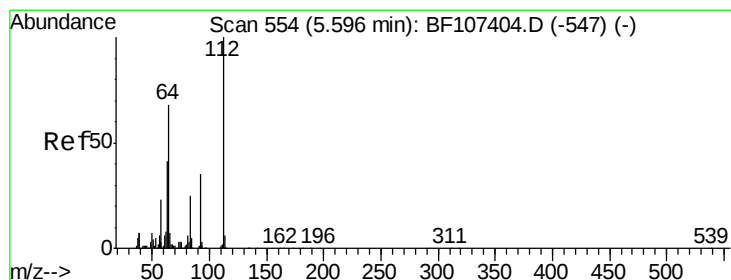
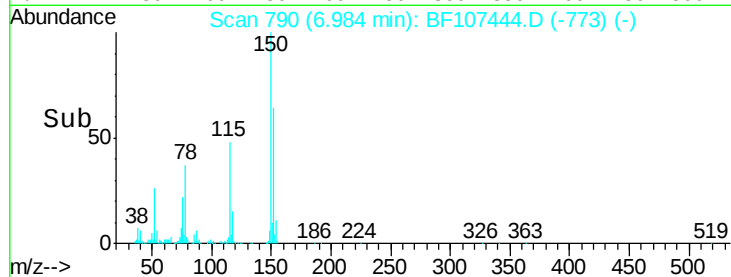
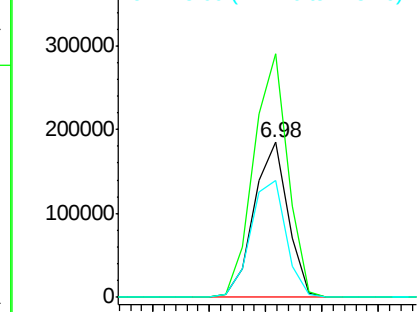
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
AU-05-071318-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	75.6	50.1	75.1#



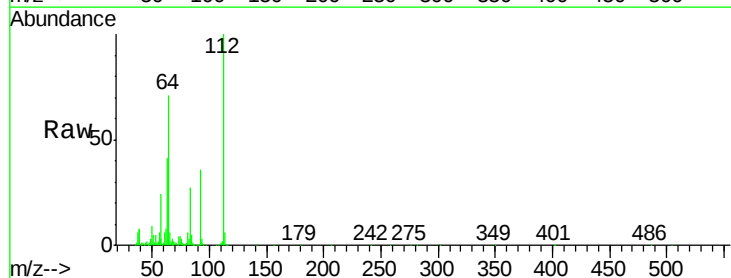
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



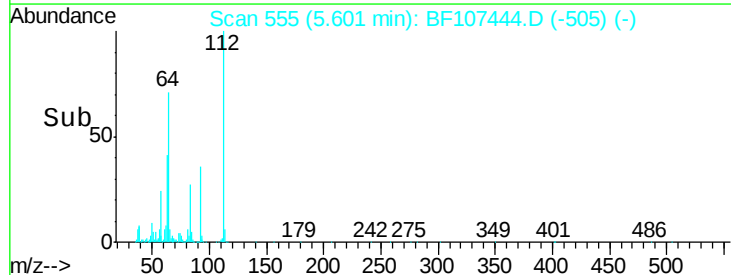
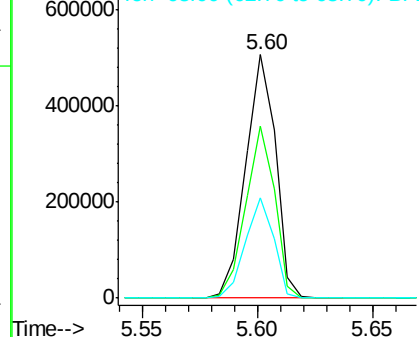
#5

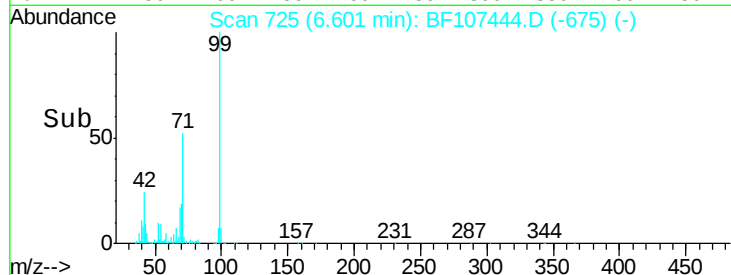
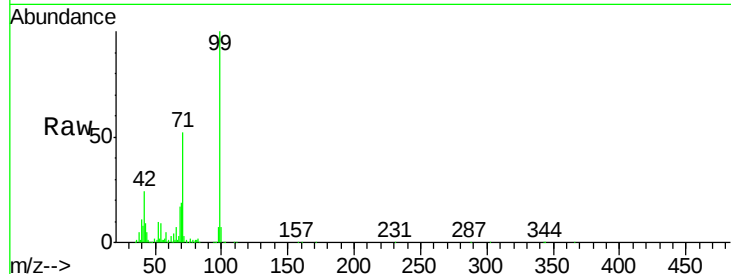
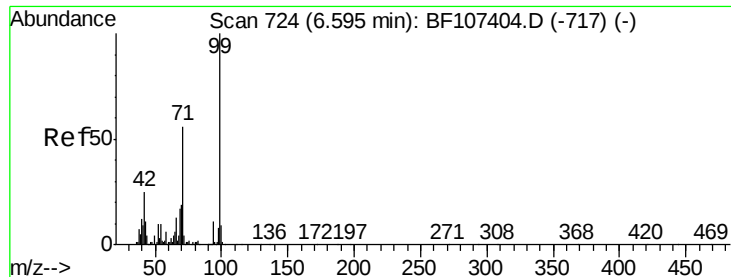
2-Fluorophenol
Concen: 44.997 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	47.9	71.9
63	41.2	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: 44.930 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

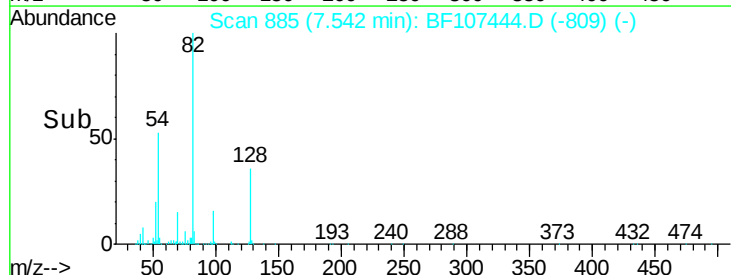
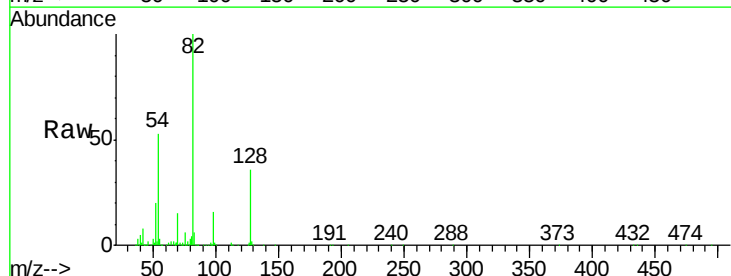
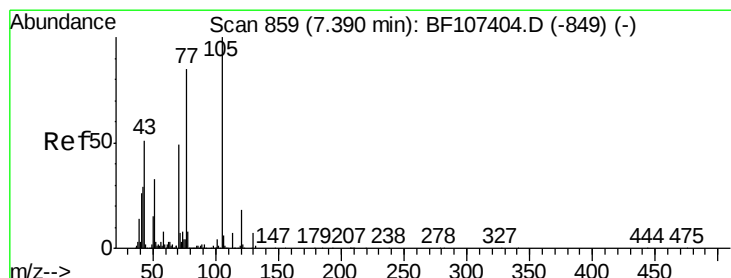
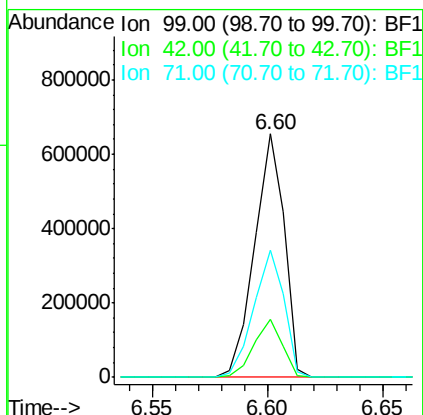
Tgt Ion: 99 Resp: 592018

Ion Ratio Lower Upper

99 100

42 23.9 14.5 21.7#

71 52.2 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 6.620 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Tgt Ion: 70 Resp: 62453

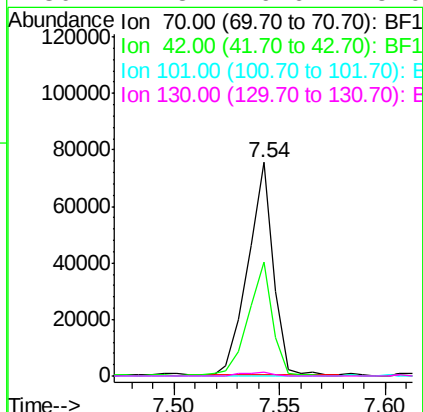
Ion Ratio Lower Upper

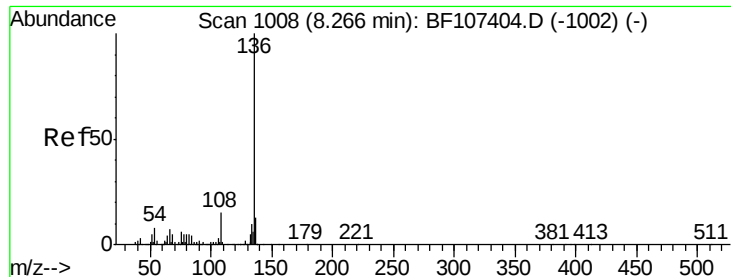
70 100

42 53.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

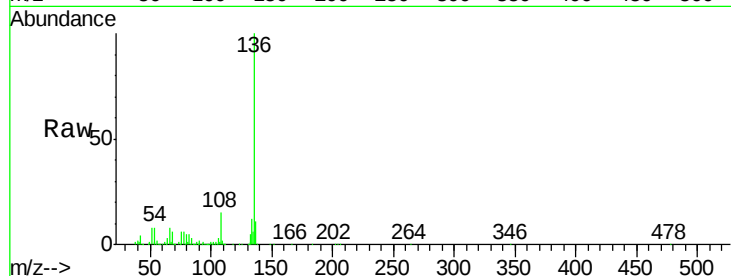




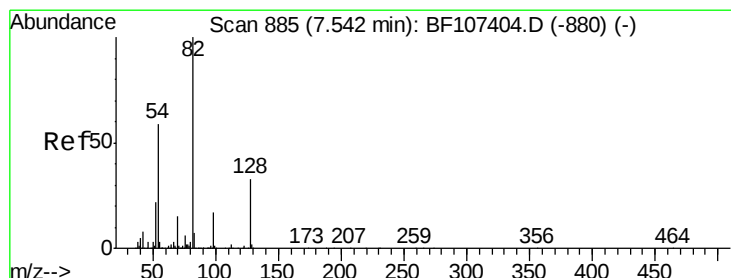
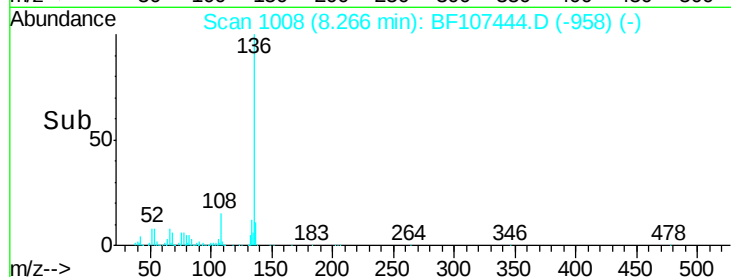
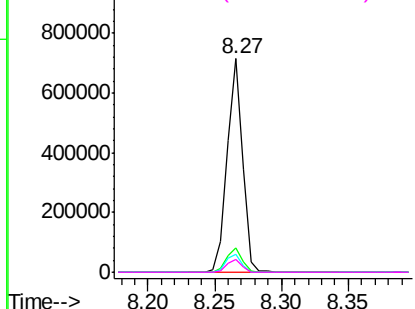
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
AU-05-071318-C

Tgt Ion:	136	Resp:	584073
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.3	6.6	9.8
68	5.9	5.0	7.4

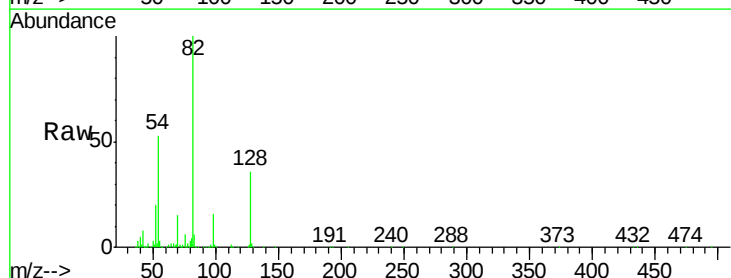


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

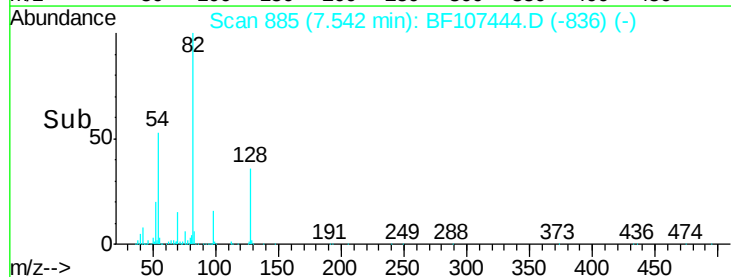
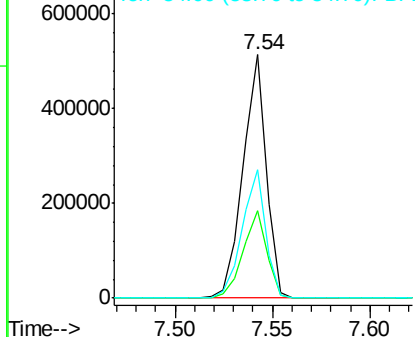


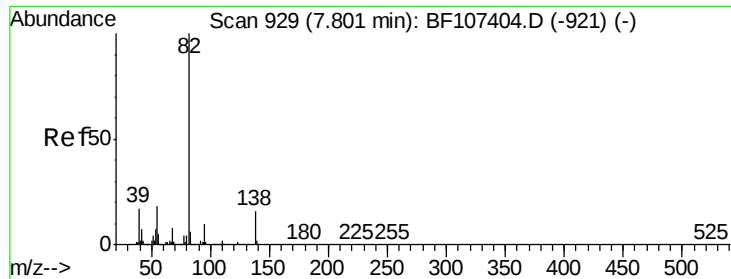
#23
Nitrobenzene-d5
Concen: 38.823 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Tgt Ion:	82	Resp:	425239
Ion	Ratio	Lower	Upper
82	100		
128	35.9	36.1	54.1#
54	53.0	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: 19.586 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

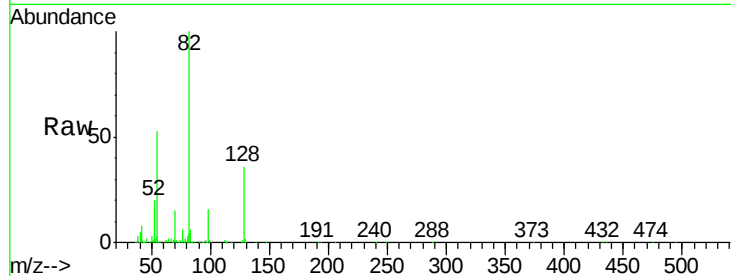
Tgt Ion: 82 Resp: 425231

Ion Ratio Lower Upper

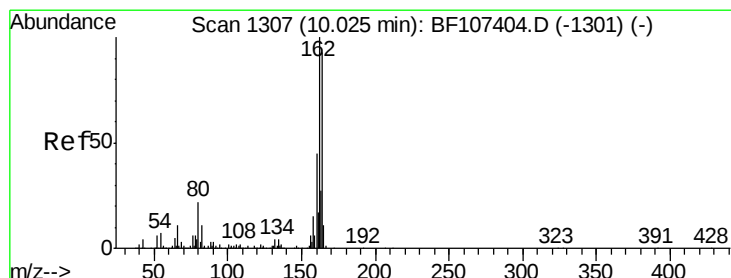
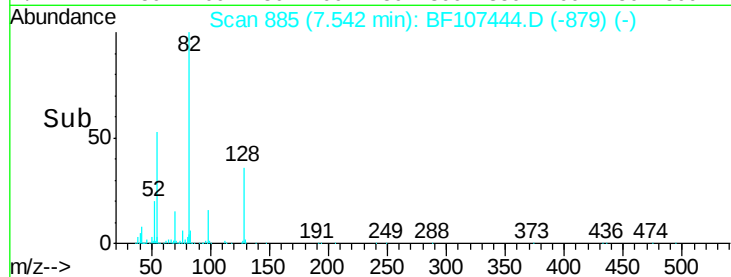
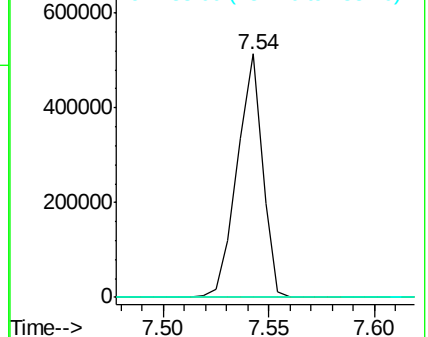
82 100

95 0.1 5.2 7.8#

138 0.1 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: BF107444.D

Acq: 17 Jul 2018 12:54

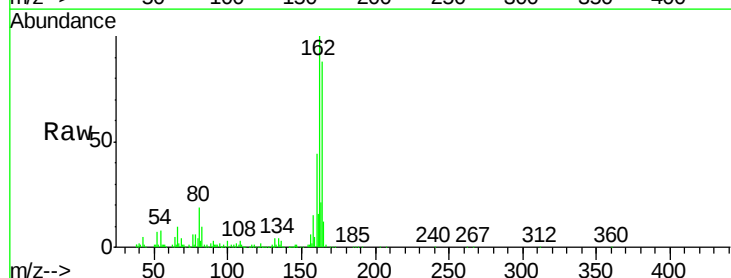
Tgt Ion: 164 Resp: 296490

Ion Ratio Lower Upper

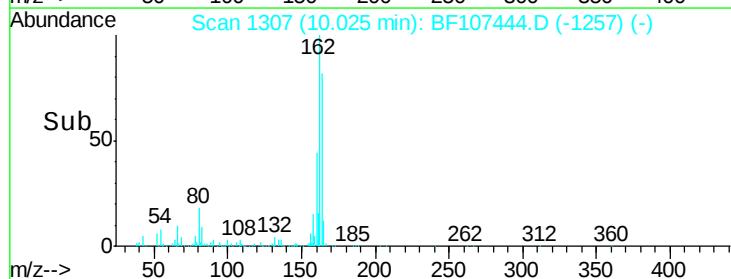
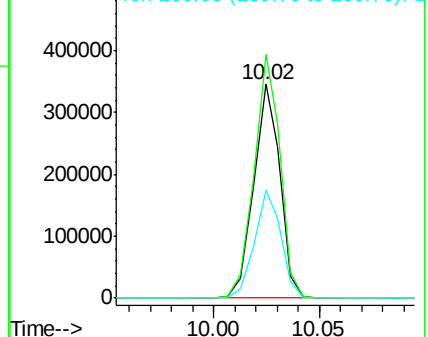
164 100

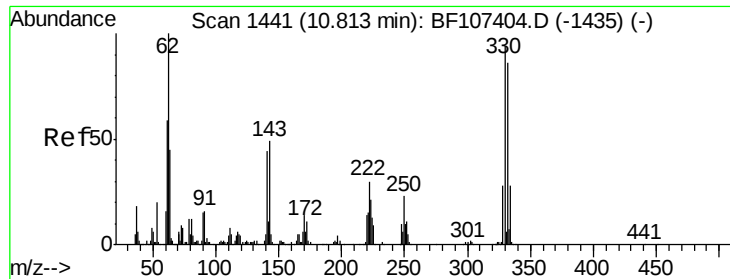
162 113.8 86.1 129.1

160 50.5 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

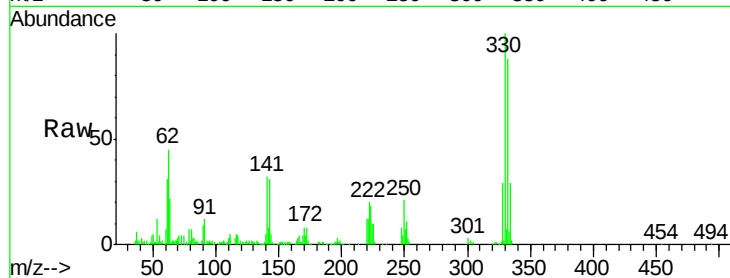




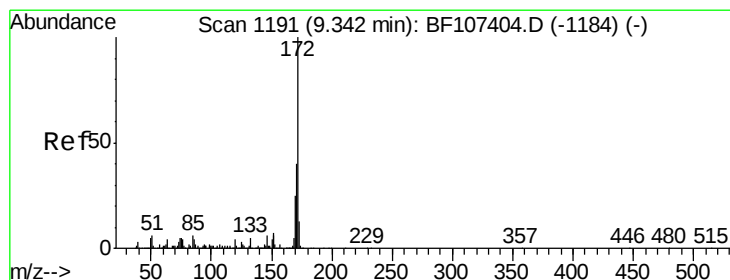
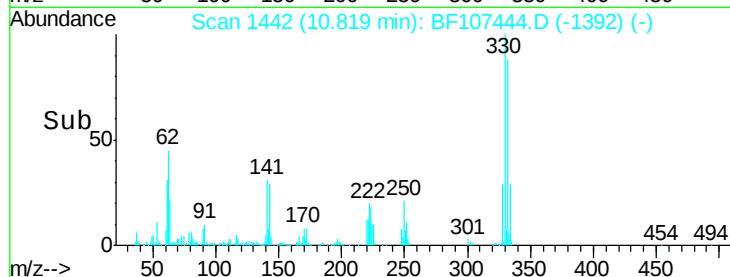
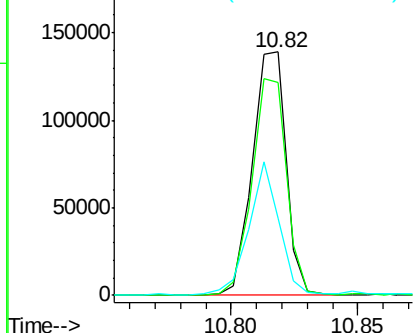
#41
 2,4,6-Tribromophenol
 Concen: 49.958 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF107444.D
 Acq: 17 Jul 2018 12:54

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-071318-C

Tgt Ion: 330 Resp: 130142
 Ion Ratio Lower Upper
 330 100
 332 91.1 77.0 115.6
 141 49.7 29.9 44.9#

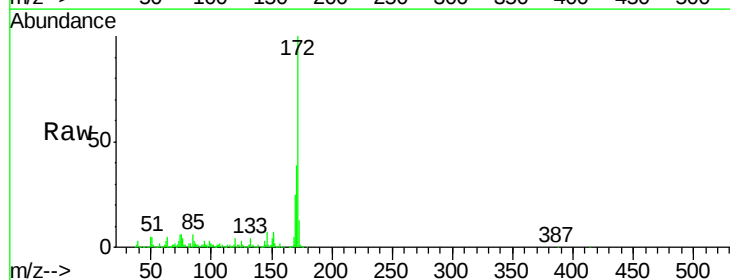


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

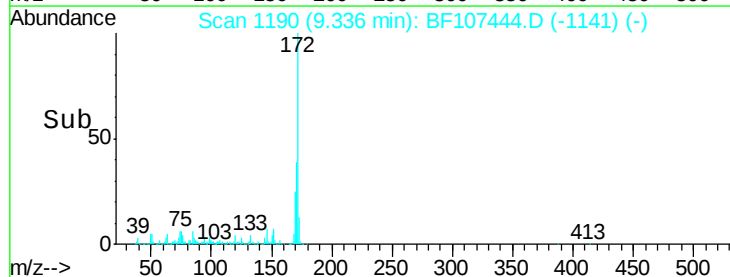
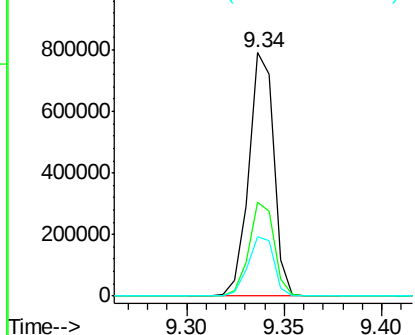


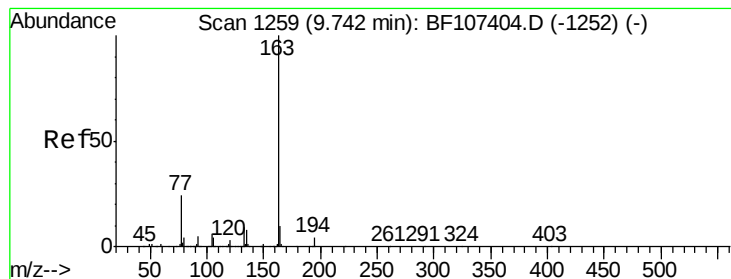
#44
 2-Fluorobiphenyl
 Concen: 32.848 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF107444.D
 Acq: 17 Jul 2018 12:54

Tgt Ion: 172 Resp: 702377
 Ion Ratio Lower Upper
 172 100
 171 38.8 29.7 44.5
 170 24.6 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: 5.436 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

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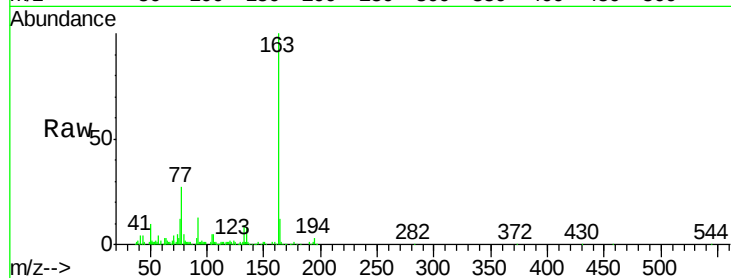
Tgt Ion:163 Resp: 128048

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

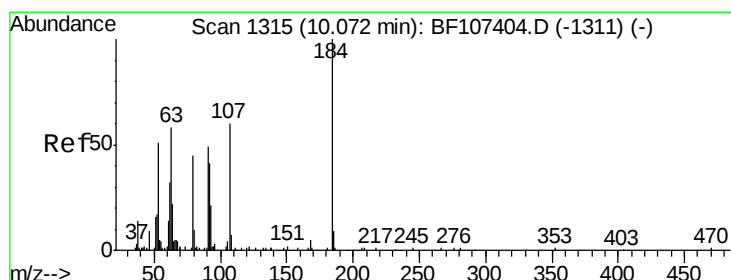
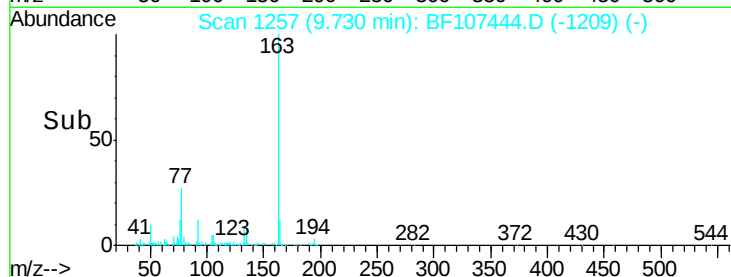
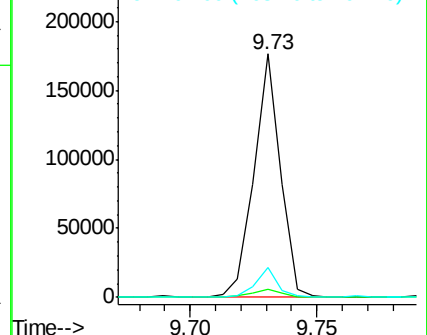
164 12.2 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 2.792 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

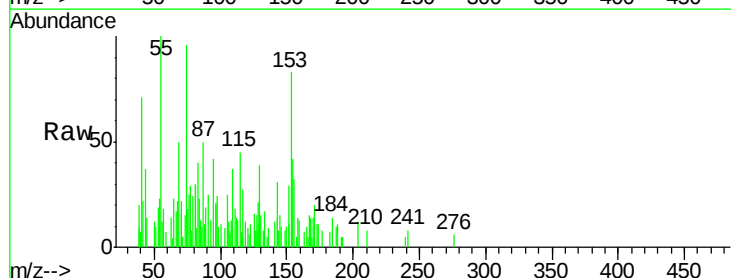
Tgt Ion:184 Resp: 585

Ion Ratio Lower Upper

184 100

63 139.2 54.2 81.2#

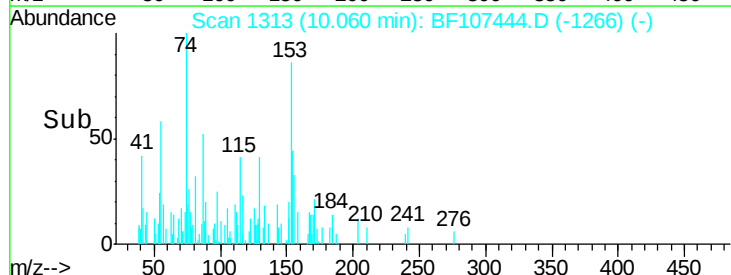
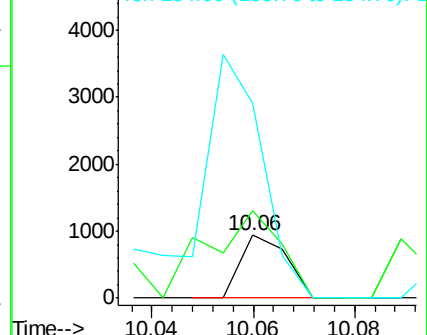
154 311.6 184.0 276.0#

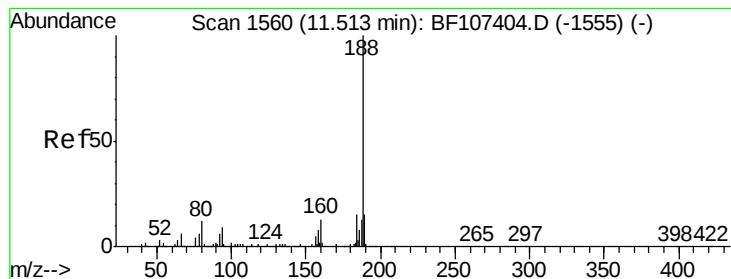


Abundance Ion 184.00 (183.70 to 184.70): E

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: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

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AU-05-071318-C

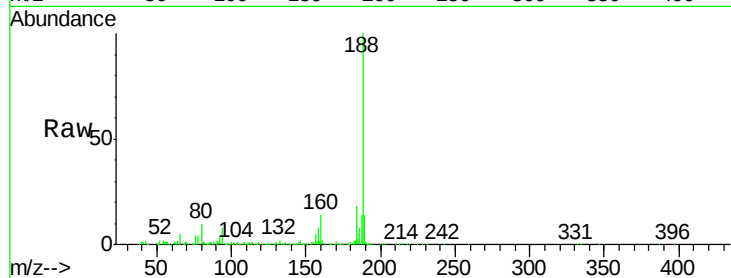
Tgt Ion:188 Resp: 560758

Ion Ratio Lower Upper

188 100

94 7.7 8.5 12.7#

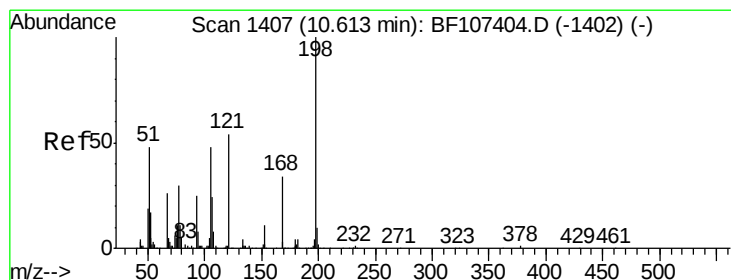
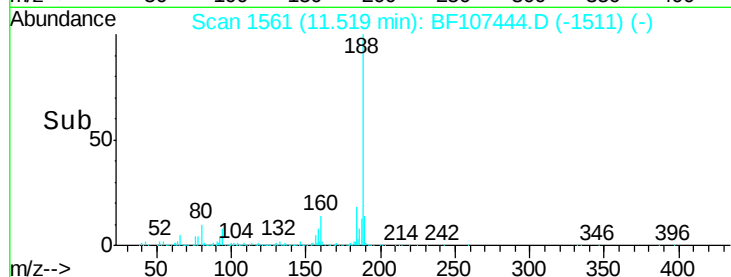
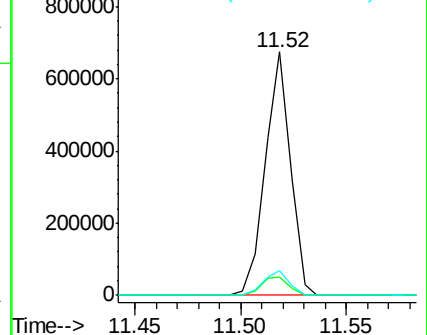
80 10.1 9.2 13.8



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: 7.520 ng

RT: 10.67 min Scan# 1417

Delta R.T. 0.05 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

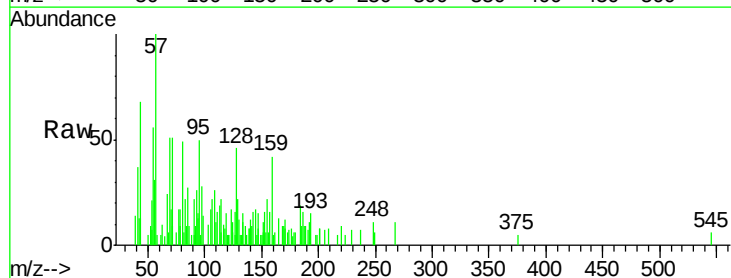
Tgt Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

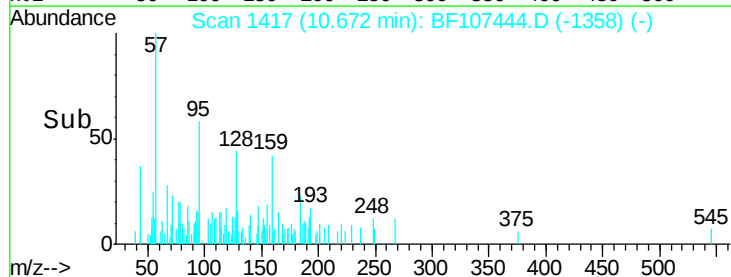
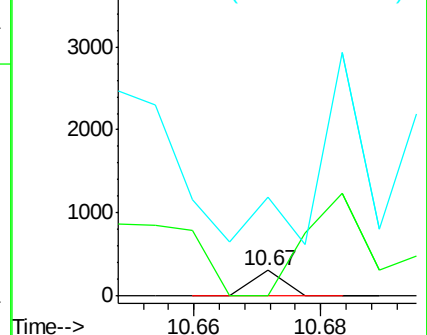
105 385.1 36.3 76.3#

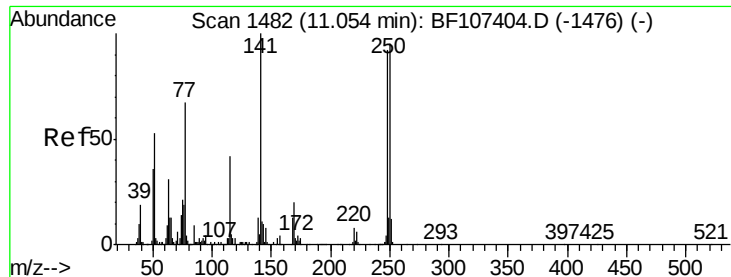


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

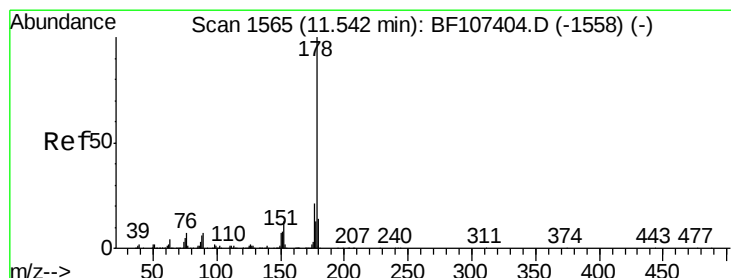
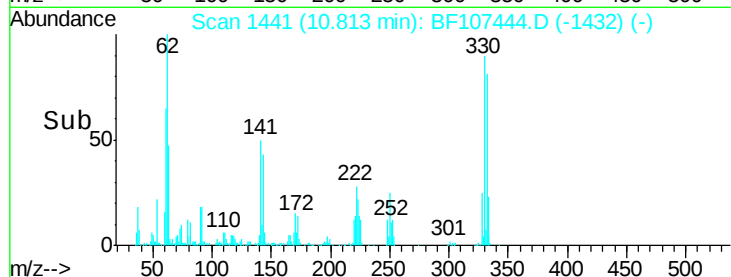
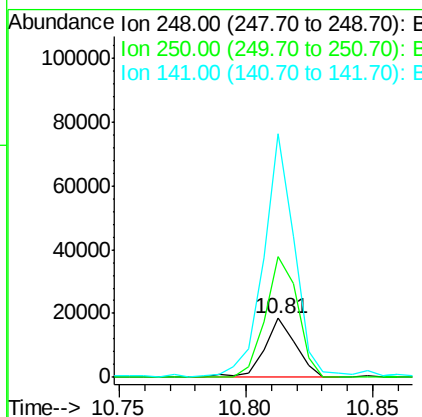
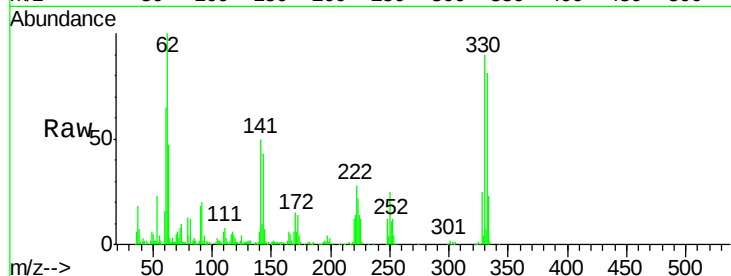




#66
4-Bromophenyl-phenylether
Concen: 2.462 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

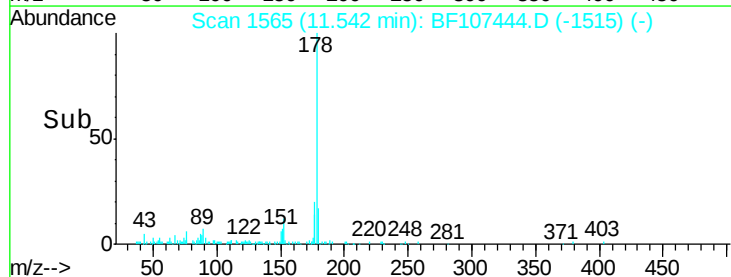
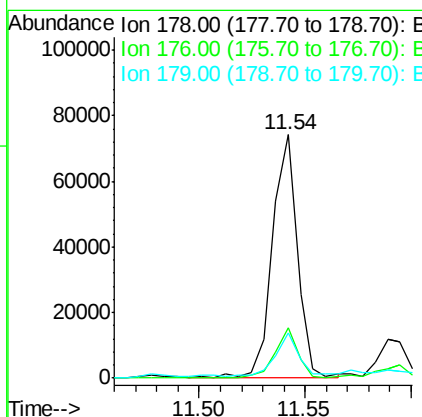
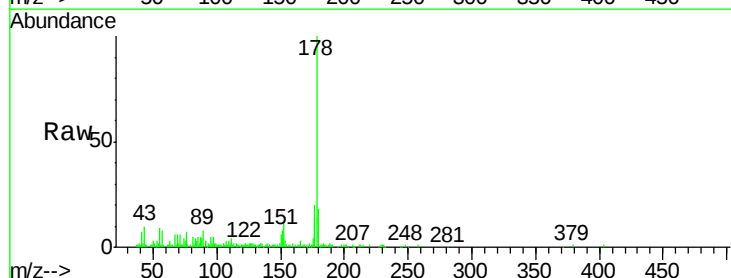
Instrument :
BNA_F
ClientSampleId :
AU-05-071318-C

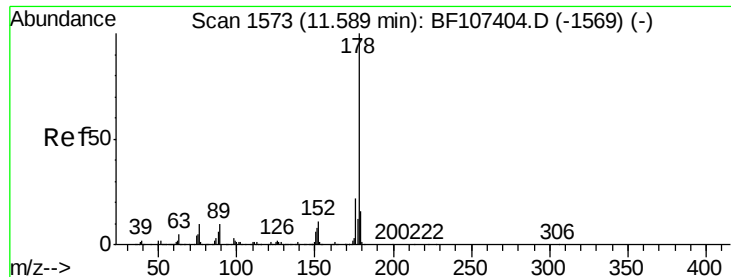
Tgt Ion:248 Resp: 15793
Ion Ratio Lower Upper
248 100
250 206.5 76.9 115.3#
141 414.6 74.4 111.6#



#70
Phenanthrene
Concen: 2.198 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Tgt Ion:178 Resp: 61438
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 18.5 13.0 19.6





#71

Anthracene

Concen: 2.207 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.06 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

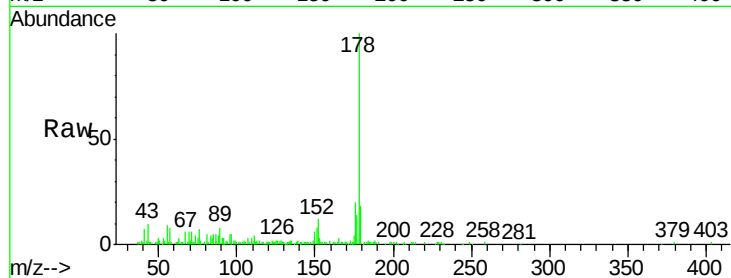
Tgt Ion:178 Resp: 61438

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

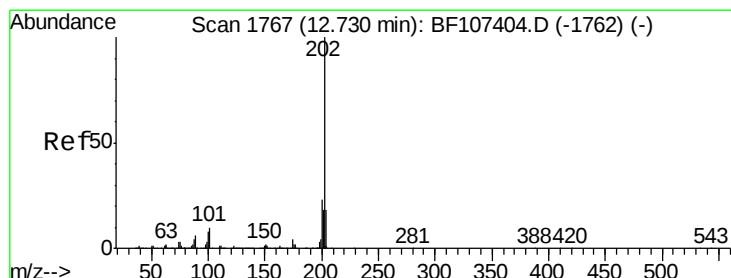
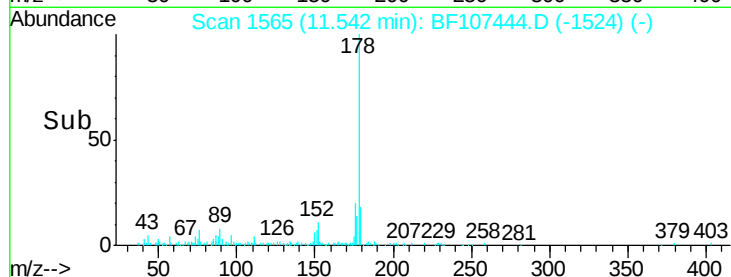
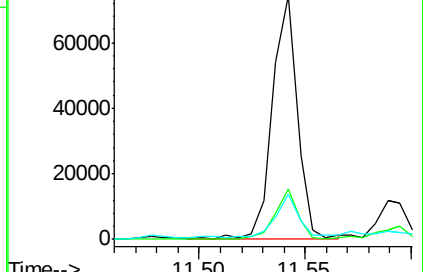
179 18.5 12.6 19.0



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: 3.152 ng

RT: 12.74 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

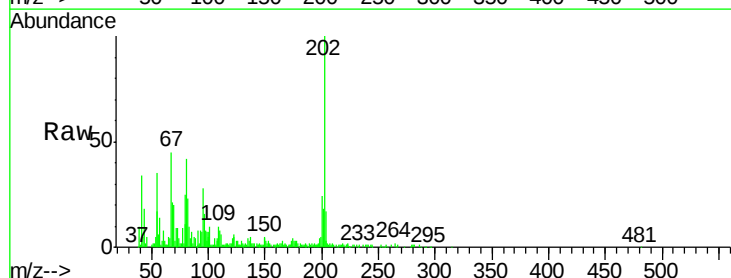
Tgt Ion:202 Resp: 100119

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

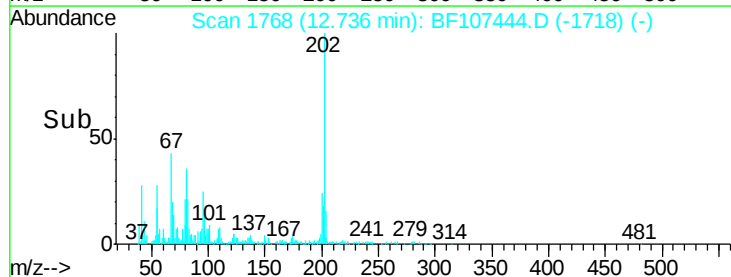
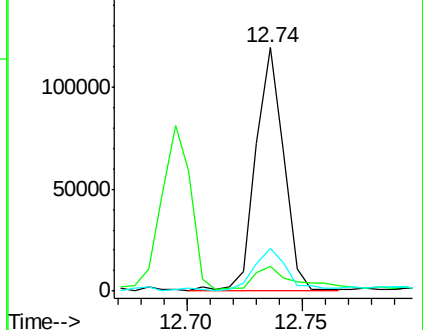
203 17.4 0.0 38.1

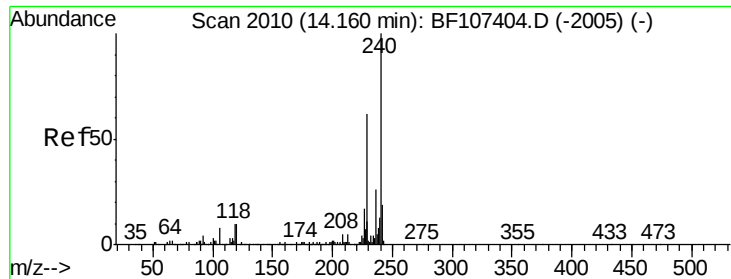


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

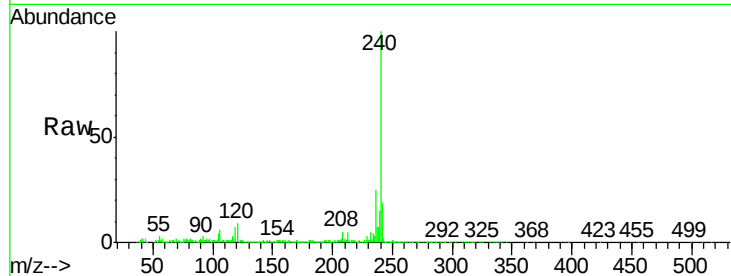
Tgt Ion:240 Resp: 469733

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

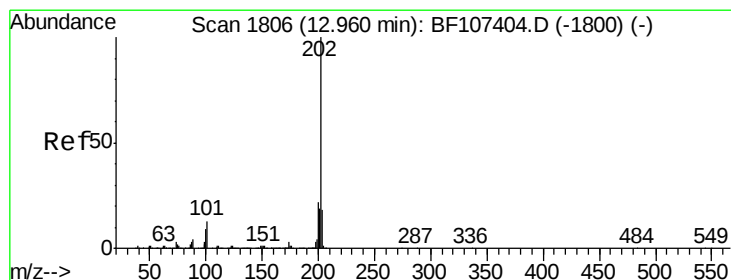
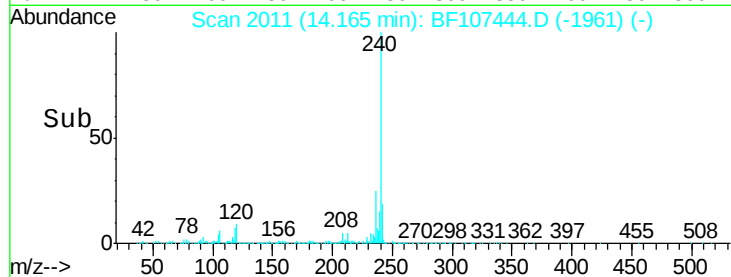
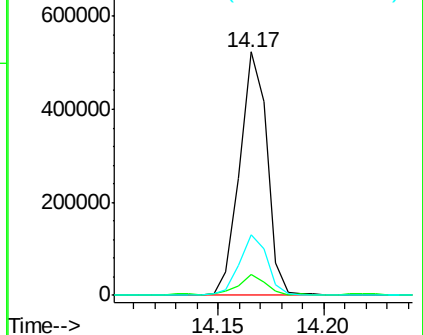
236 24.8 20.7 31.1



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: 3.140 ng

RT: 12.97 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

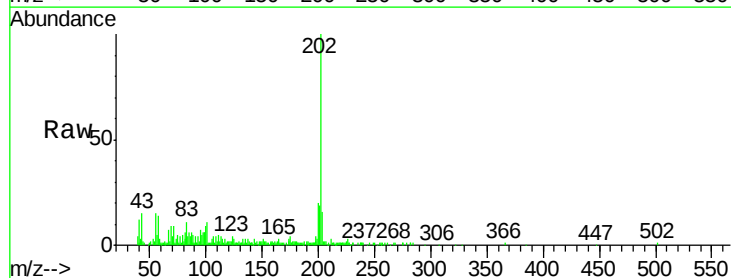
Tgt Ion:202 Resp: 100313

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

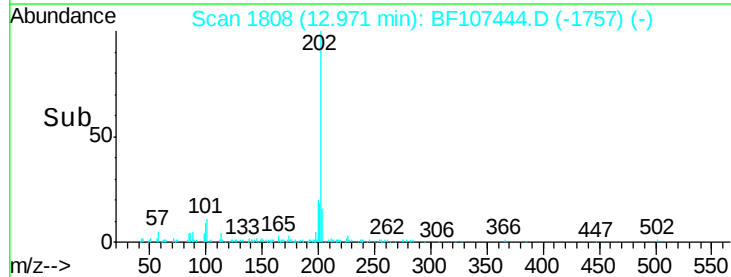
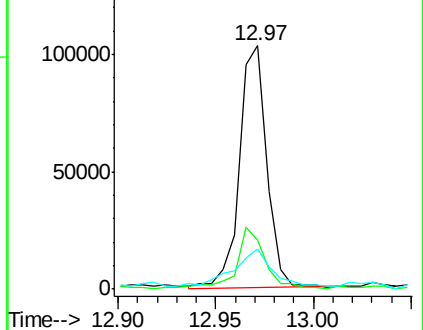
203 16.5 14.3 21.5

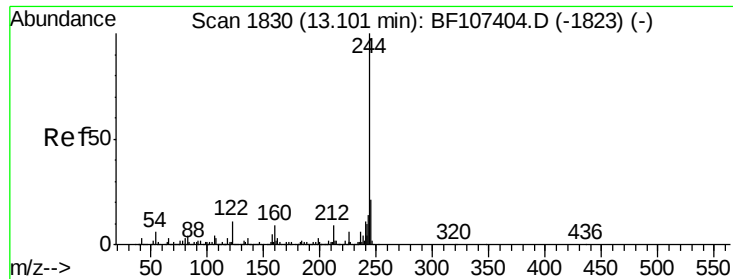


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.156 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

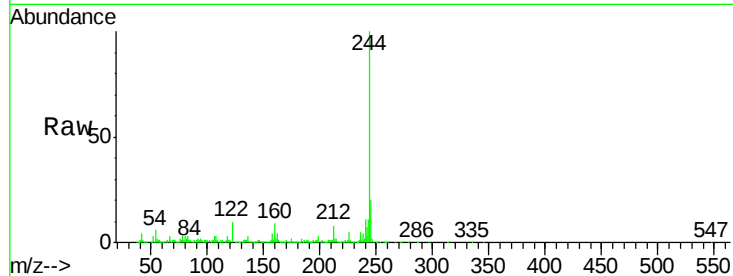
Tgt Ion:244 Resp: 626843

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

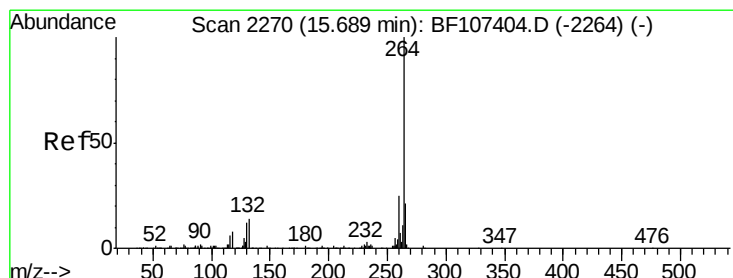
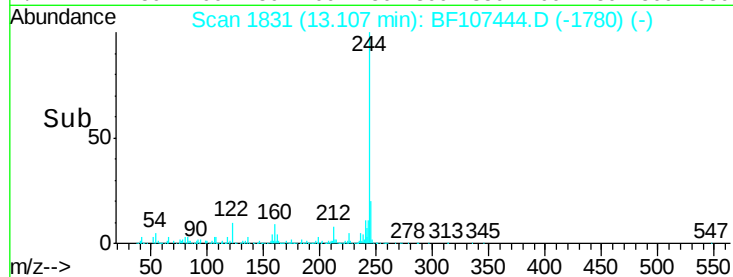
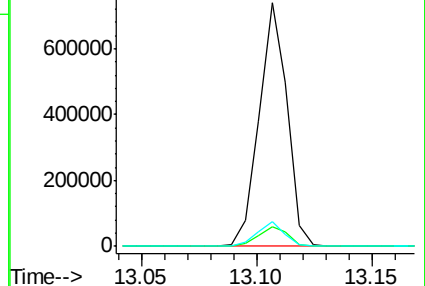
122 10.2 11.0 16.4#



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. 0.00 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

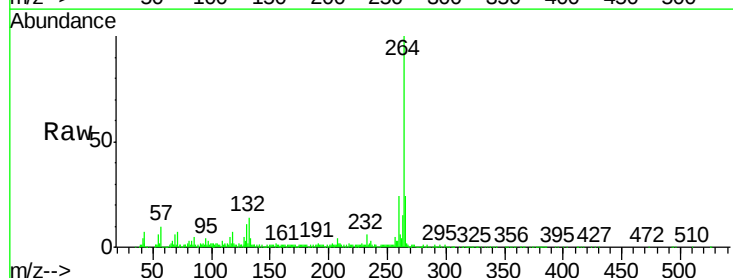
Tgt Ion:264 Resp: 400965

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

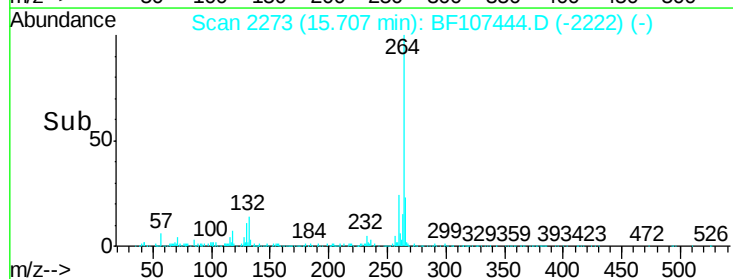
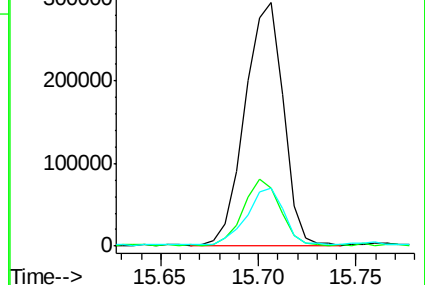
265 23.6 17.5 26.3

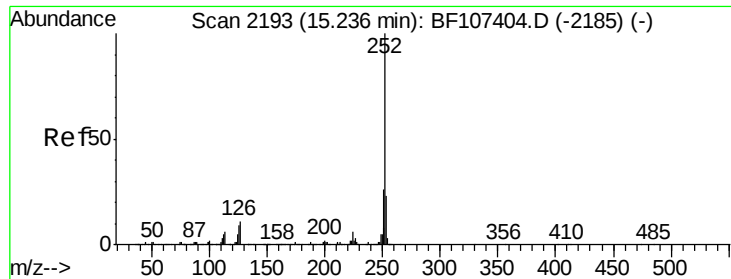


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

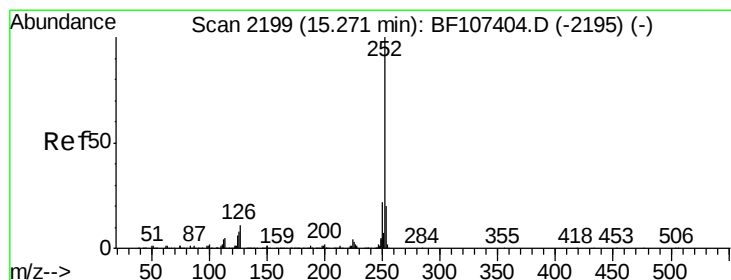
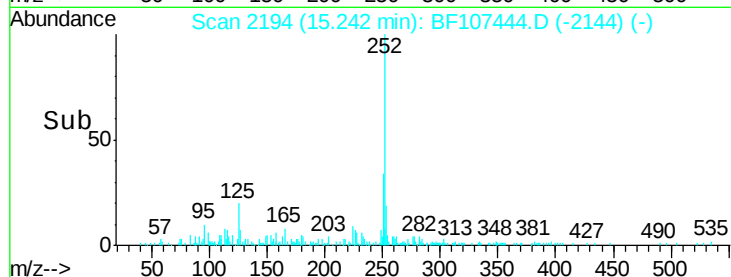
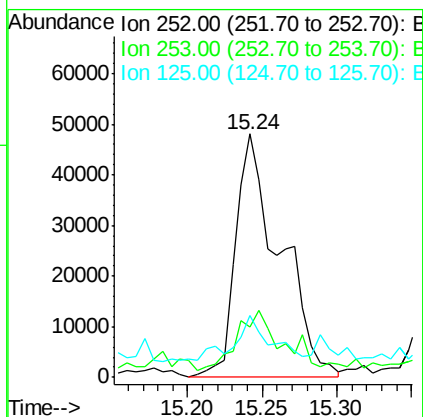
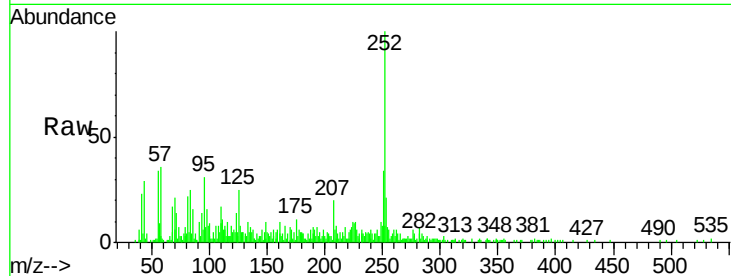




#87
Benzo(b)fluoranthene
Concen: 4.243 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

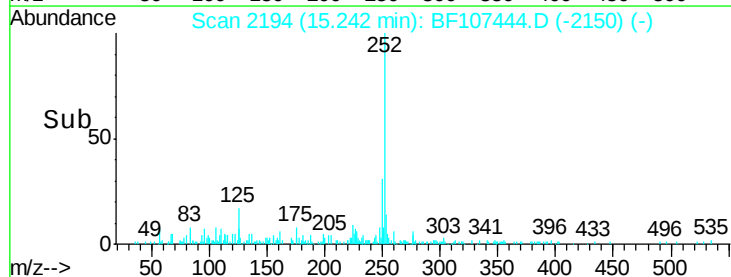
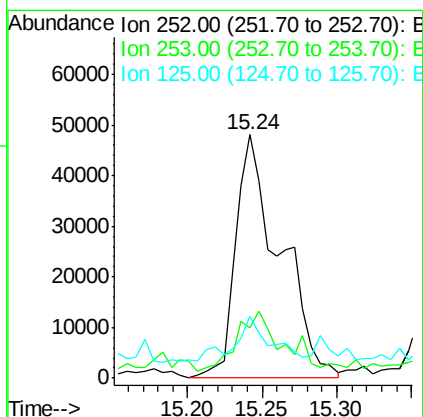
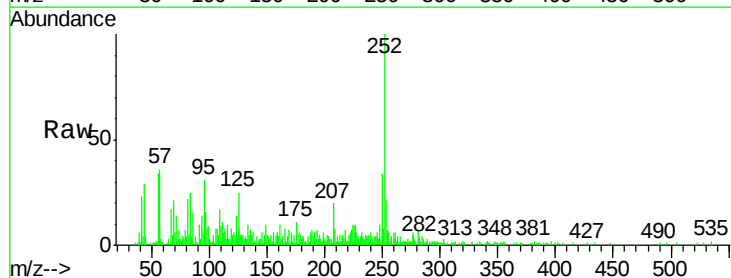
Instrument :
BNA_F
ClientSampleId :
AU-05-071318-C

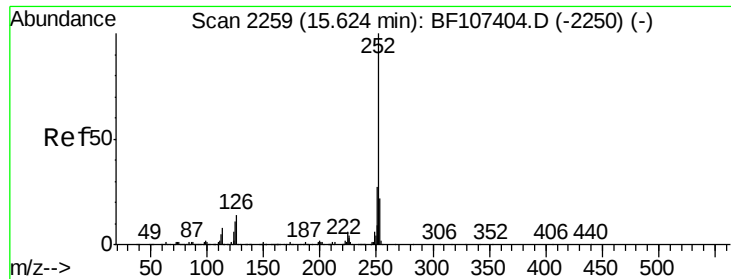
Tgt Ion:252 Resp: 99569
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 25.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.347 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107444.D
Acq: 17 Jul 2018 12:54

Tgt Ion:252 Resp: 99569
Ion Ratio Lower Upper
252 100
253 20.8 17.9 26.9
125 25.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.374 ng

RT: 15.63 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF107444.D

Acq: 17 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

AU-05-071318-C

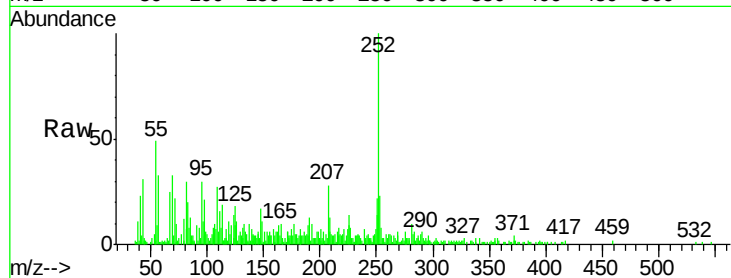
Tgt Ion:252 Resp: 51128

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 17.7 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

