

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107451.D
 Acq On : 17 Jul 2018 16:04
 Operator : JU/SJ
 Sample : J3832-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-071618

Quant Time: Jul 17 18:07:15 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	138716	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	566787	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	282438	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	524980	20.00	ng	0.00
75) Chrysene-d12	14.18	240	413274	20.00	ng	0.00
86) Perylene-d12	15.72	264	290659	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	324062	35.48	ng	0.00
7) Phenol-d6	6.61	99	420291	35.59	ng	0.00
23) Nitrobenzene-d5	7.54	82	282974	26.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	88281	35.57	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	496822	21.19	ng	0.00
78) Terphenyl-d14	13.11	244	450426	27.08	ng	0.00

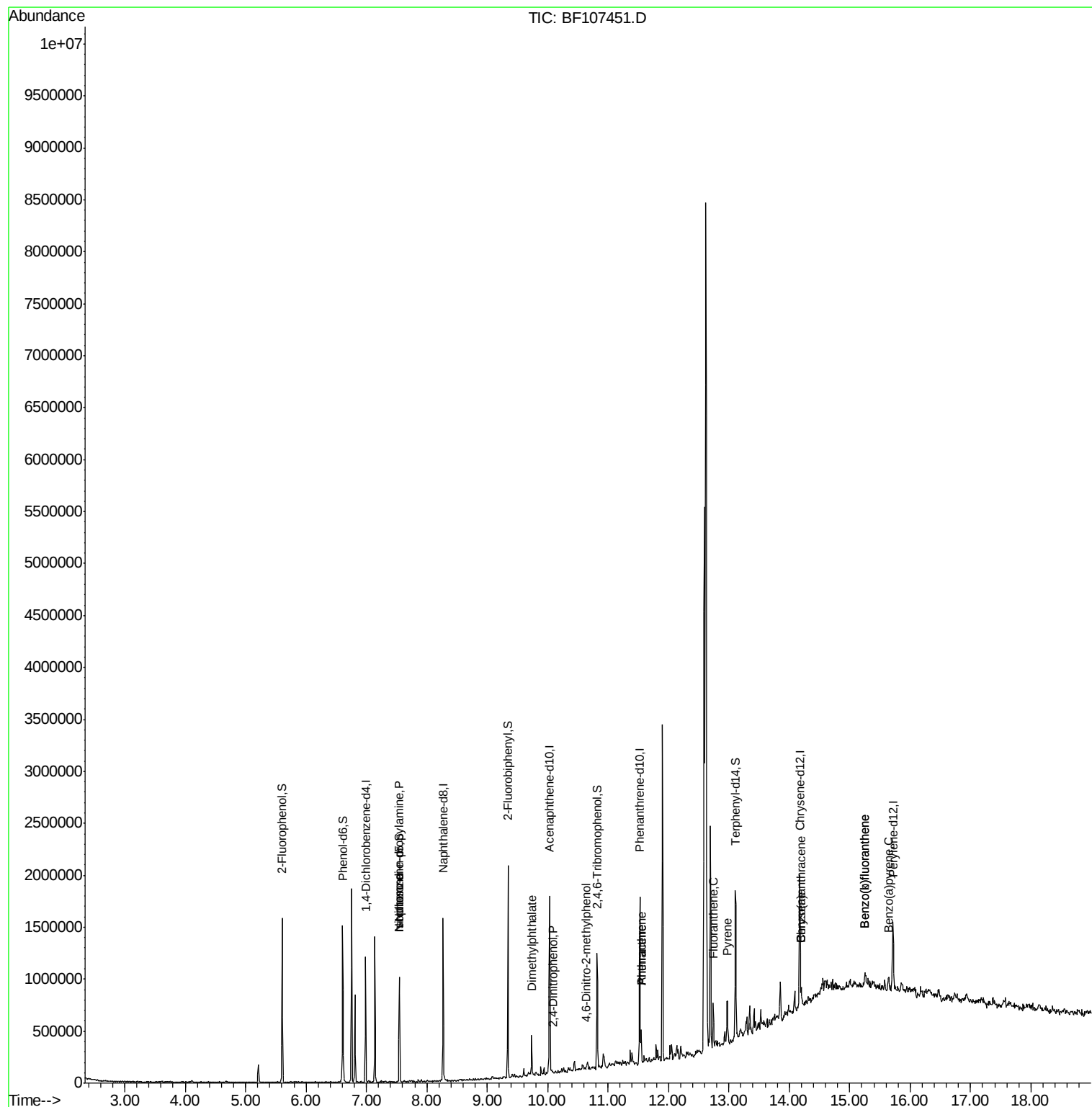
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	46497	5.499	ng	# 76
25) Isophorone	7.54	82	283041	13.435	ng	# 64
49) Dimethylphthalate	9.74	163	110553	4.926	ng	# 96
53) 2,4-Dinitrophenol	10.10	184	131	2.373	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.64	198	146	7.533	ng	# 1
70) Phenanthrene	11.55	178	93244	3.564	ng	97
71) Anthracene	11.55	178	93244	3.578	ng	98
74) Fluoranthene	12.74	202	132774	4.465	ng	95
77) Pyrene	12.98	202	152019	5.409	ng	98
80) Benzo(a)anthracene	14.20	228	80660	3.190	ng	93
82) Chrysene	14.20	228	80660	3.339	ng	97
87) Benzo(b)fluoranthene	15.25	252	93118	5.473	ng	# 83
88) Benzo(k)fluoranthene	15.25	252	93118	5.609	ng	# 86
89) Benzo(a)pyrene	15.65	252	46556	2.981	ng	# 68

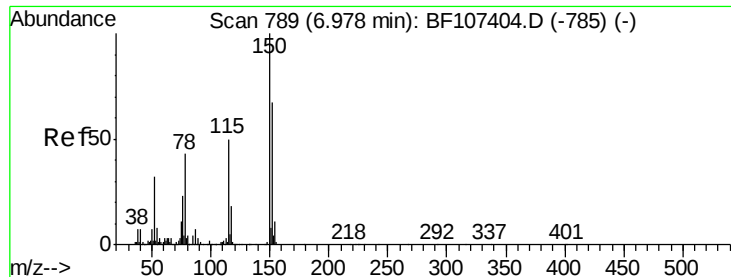
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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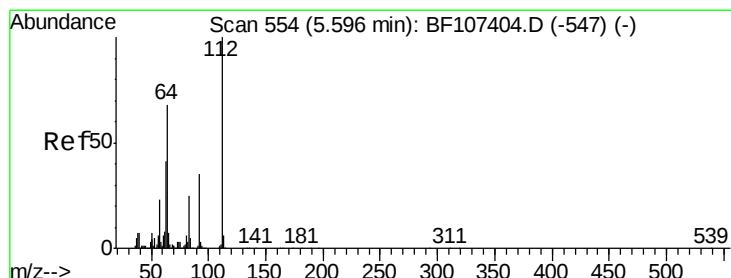
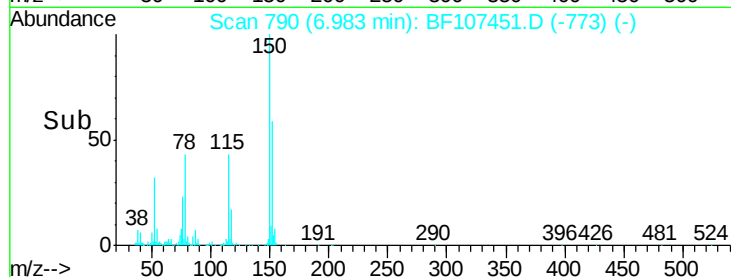
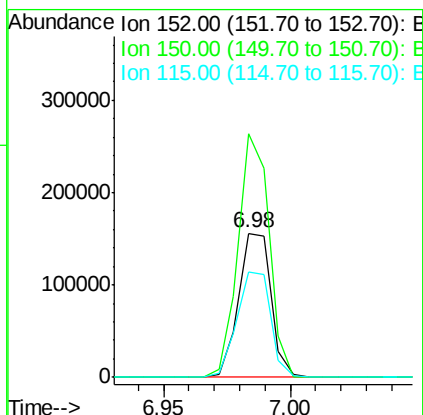
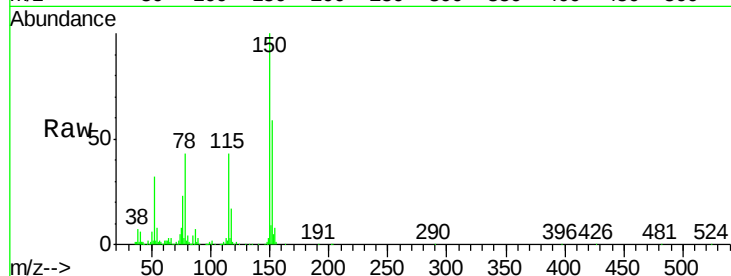


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107451.D
Acq: 17 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
TR-04-071618

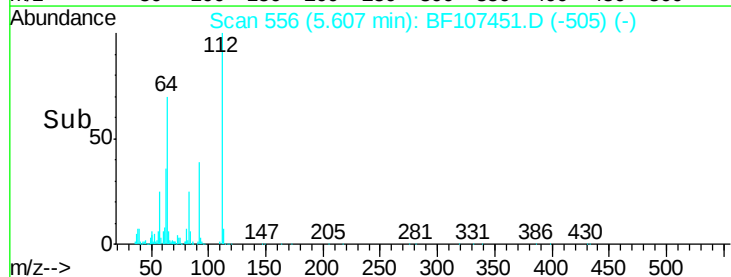
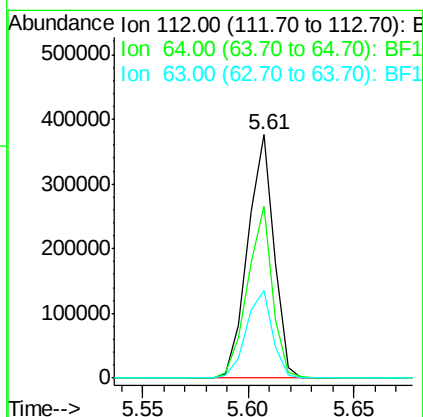
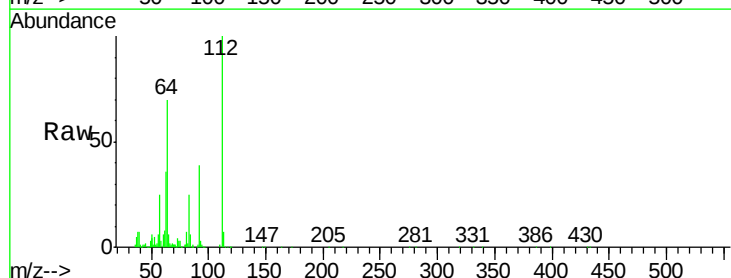
Tgt Ion:152 Resp: 138716
Ion Ratio Lower Upper
152 100
150 168.9 124.6 186.8
115 73.3 50.1 75.1

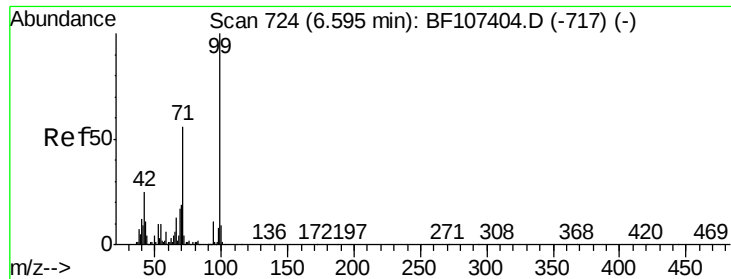


#5

2-Fluorophenol
Concen: 35.480 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.00 min
Lab File: BF107451.D
Acq: 17 Jul 2018 16:04

Tgt Ion:112 Resp: 324062
Ion Ratio Lower Upper
112 100
64 70.4 47.9 71.9
63 35.7 23.7 35.5#





#7

Phenol-d6

Concen: 35.592 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

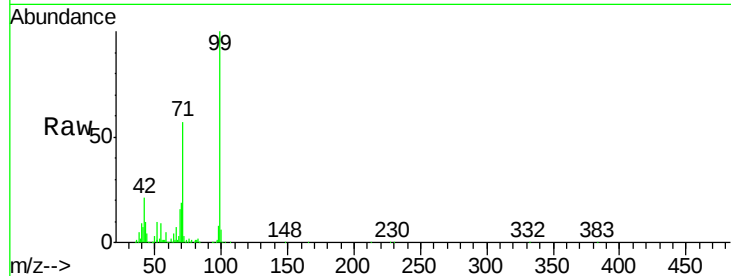
Tgt Ion: 99 Resp: 420291

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

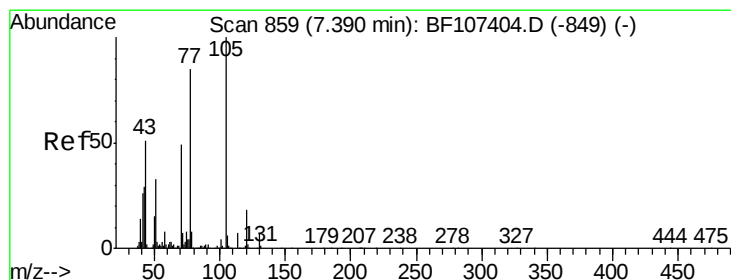
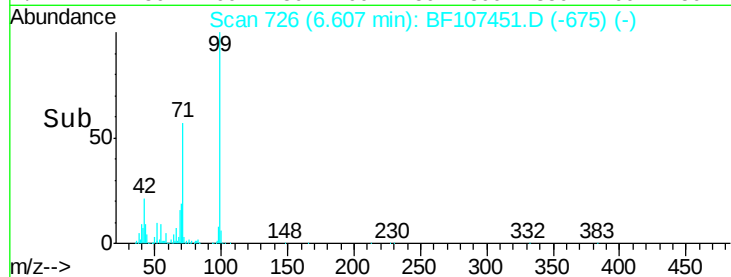
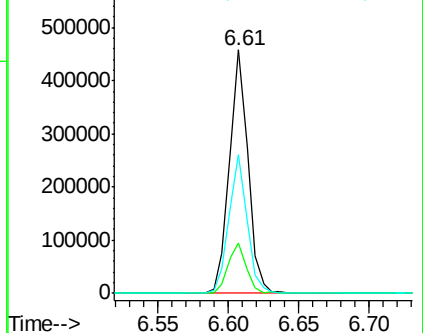
71 56.8 25.4 38.0#



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: 5.499 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Tgt Ion: 70 Resp: 46497

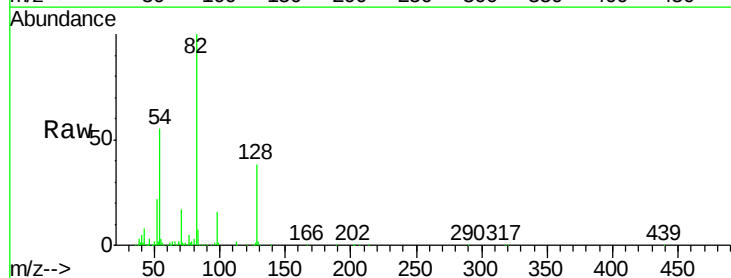
Ion Ratio Lower Upper

70 100

42 46.0 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

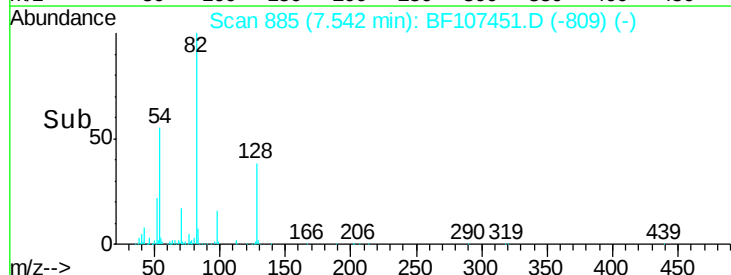
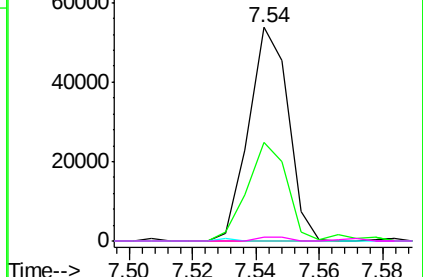


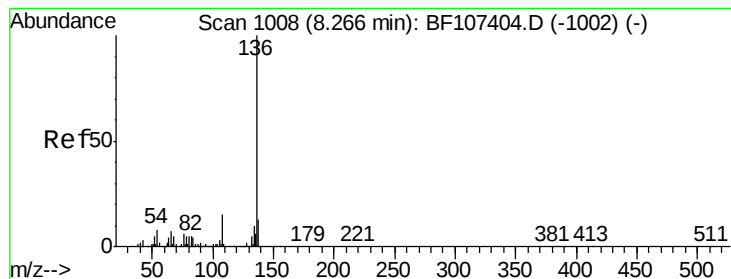
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1009

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

Tgt Ion: 136 Resp: 566787

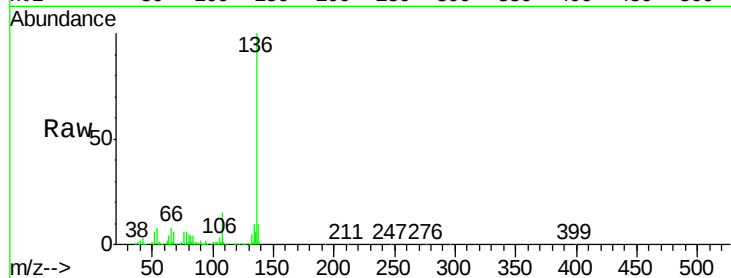
Ion Ratio Lower Upper

136 100

137 9.9 8.9 13.3

54 7.9 6.6 9.8

68 6.3 5.0 7.4

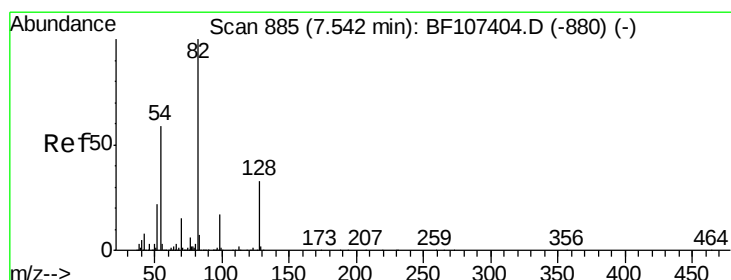
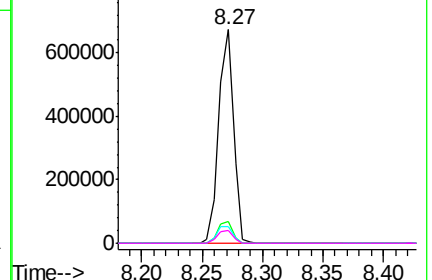
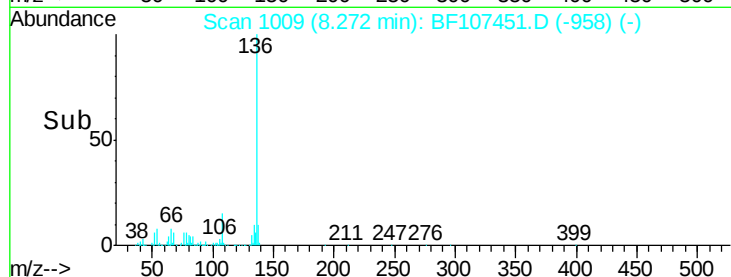


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.623 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

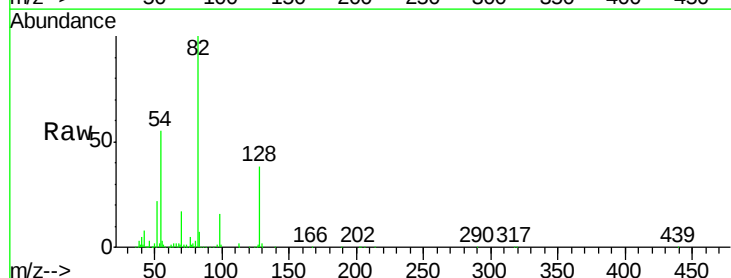
Tgt Ion: 82 Resp: 282974

Ion Ratio Lower Upper

82 100

128 38.3 36.1 54.1

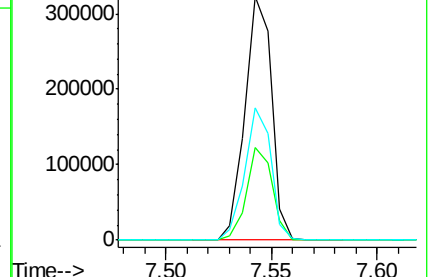
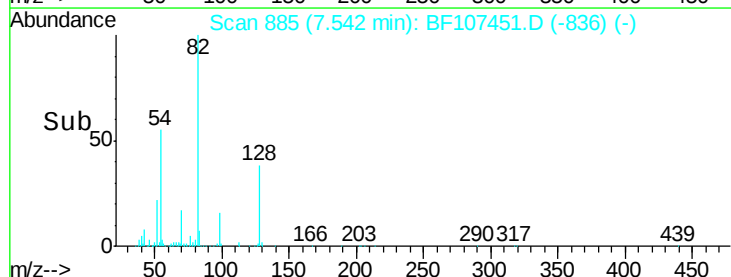
54 54.5 41.4 62.2

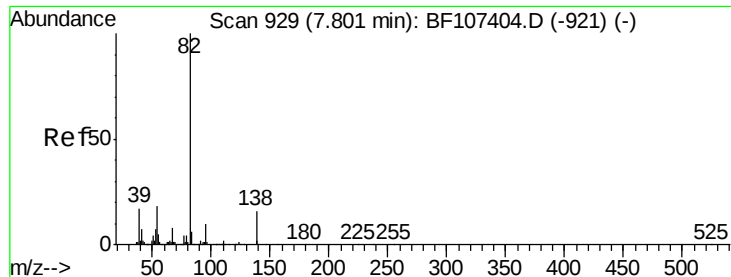


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.435 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

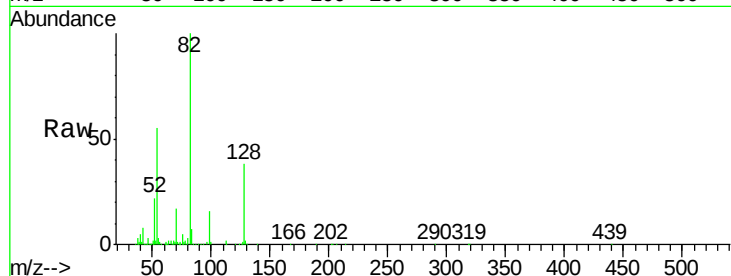
Tgt Ion: 82 Resp: 283041

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

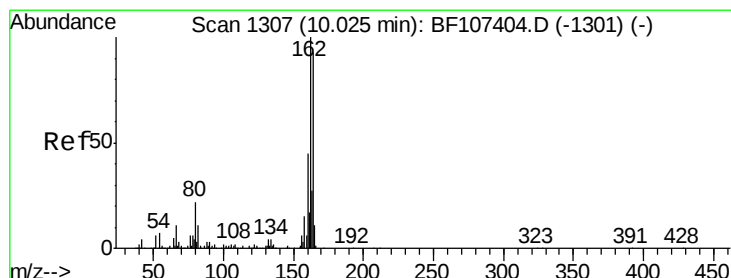
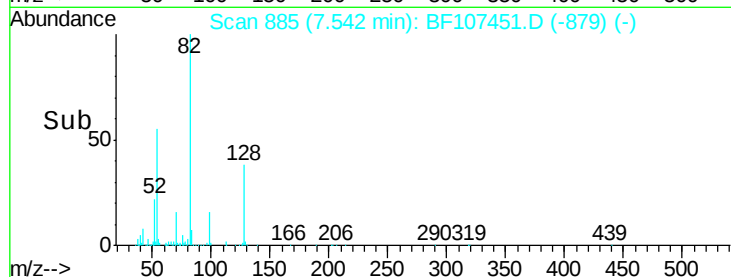
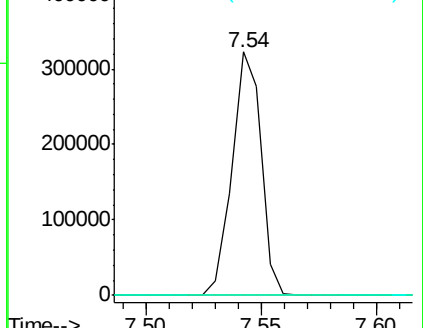
138 0.0 14.9 22.3#



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: 10.03 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

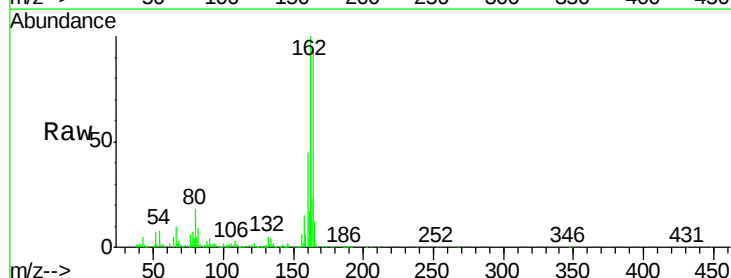
Tgt Ion: 164 Resp: 282438

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

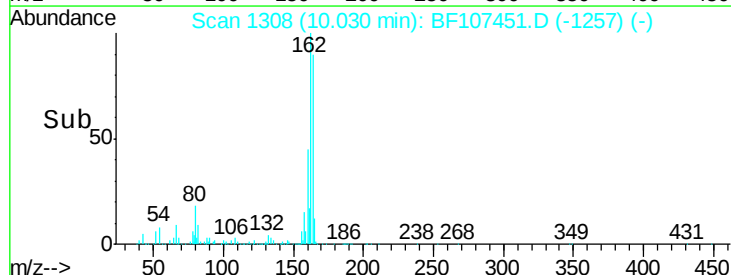
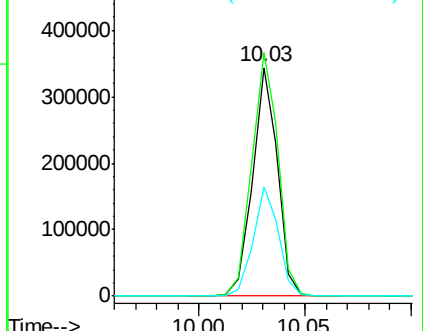
160 48.0 38.3 57.5

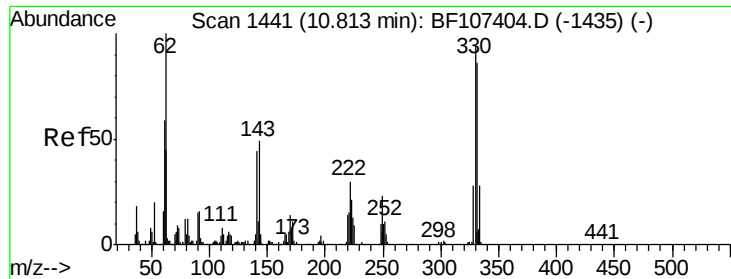


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

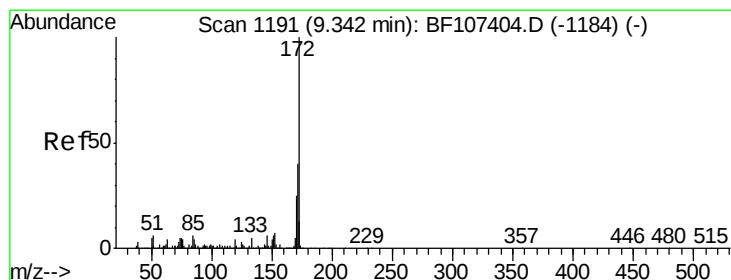
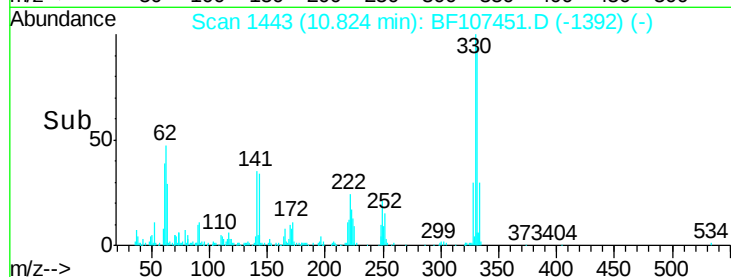
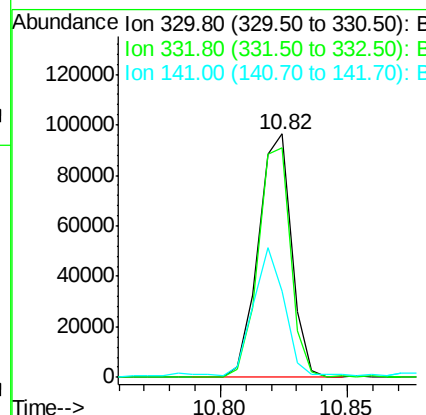
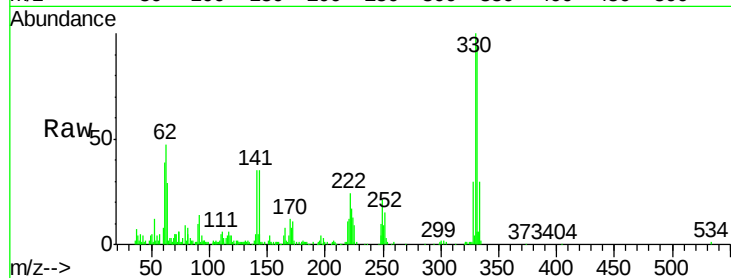




#41
 2,4,6-Tribromophenol
 Concen: 35.575 ng
 RT: 10.82 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: BF107451.D
 Acq: 17 Jul 2018 16:04

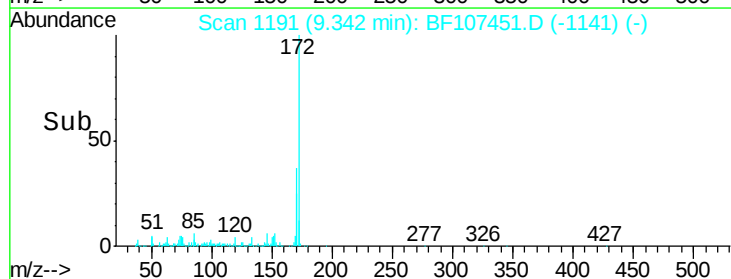
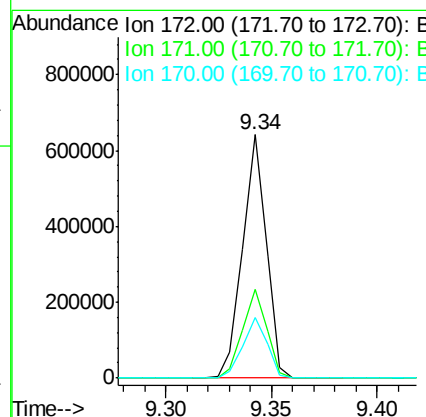
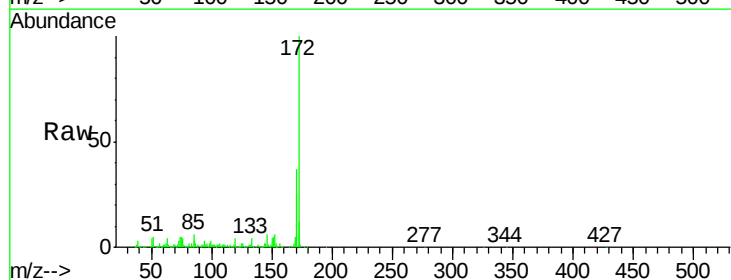
Instrument :
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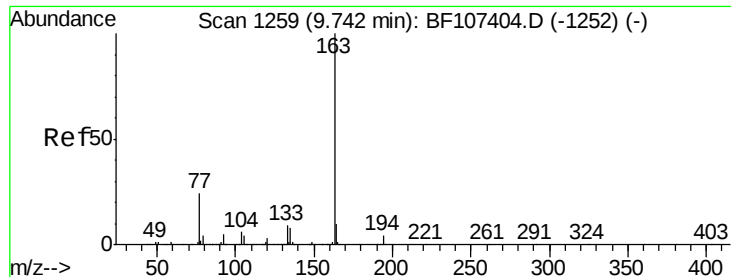
Tgt Ion: 330 Resp: 88281
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.0 115.6
 141 48.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 21.192 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF107451.D
 Acq: 17 Jul 2018 16:04

Tgt Ion: 172 Resp: 496822
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.9 19.6 29.4





#49

Dimethylphthalate

Concen: 4.926 ng

RT: 9.74 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

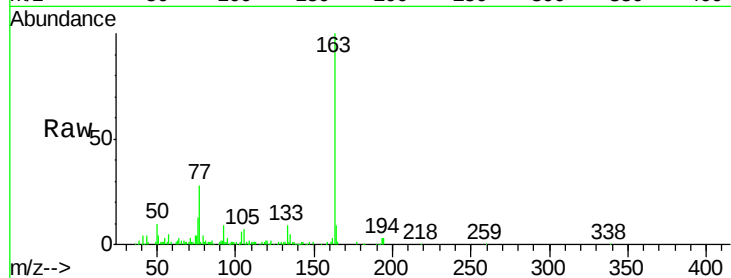
Tgt Ion:163 Resp: 110553

Ion Ratio Lower Upper

163 100

194 5.8 2.7 4.1#

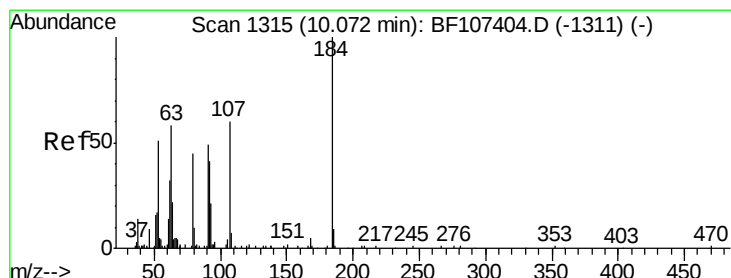
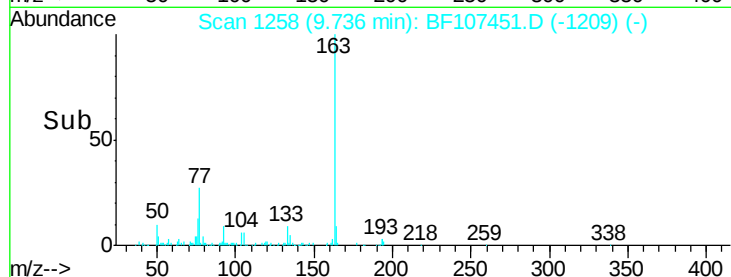
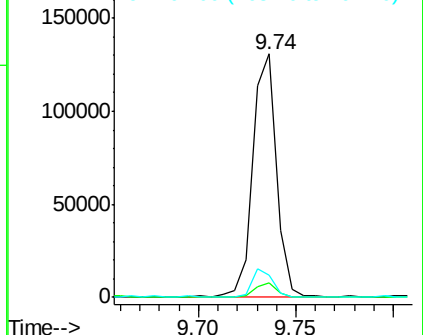
164 9.0 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 2.373 ng

RT: 10.10 min Scan# 1320

Delta R.T. 0.02 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

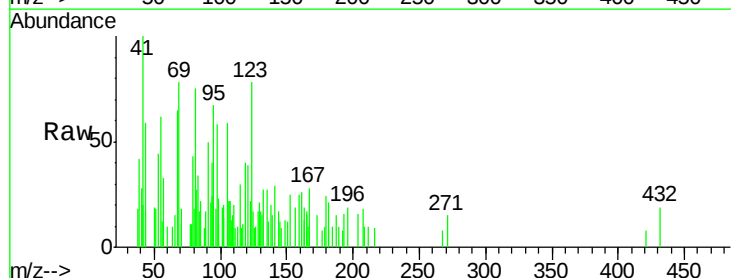
Tgt Ion:184 Resp: 131

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

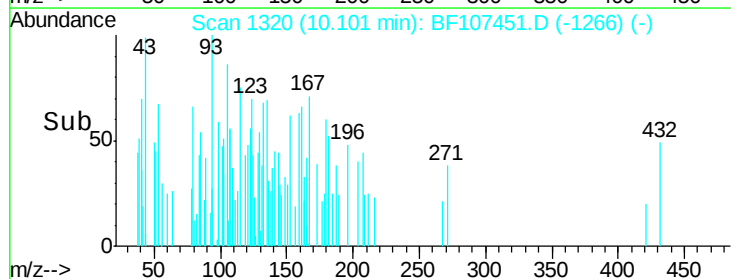
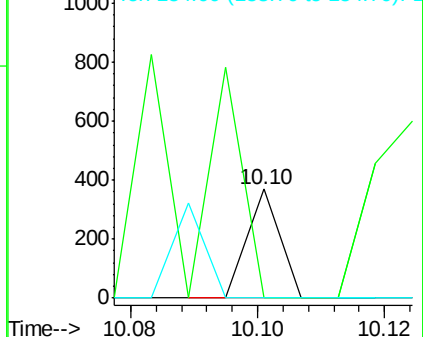
154 0.0 184.0 276.0#

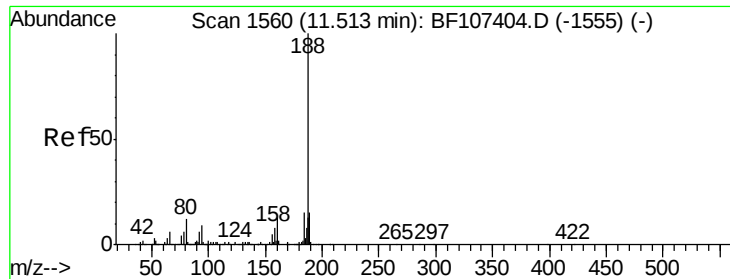


Abundance Ion 184.00 (183.70 to 184.70): E

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: 11.52 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

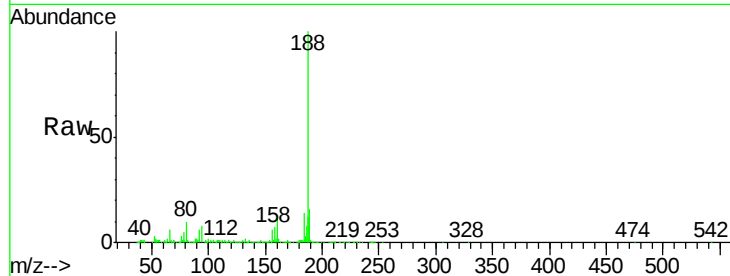
Tgt Ion:188 Resp: 524980

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

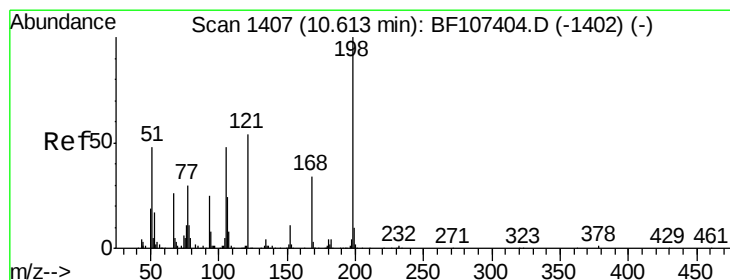
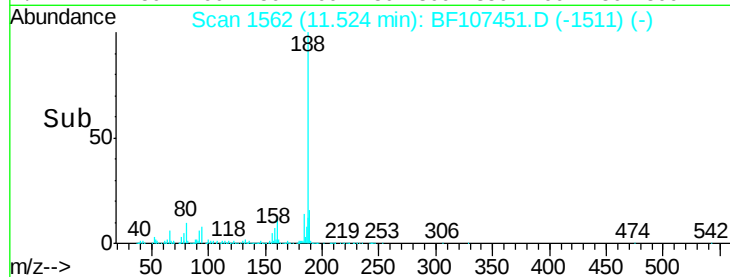
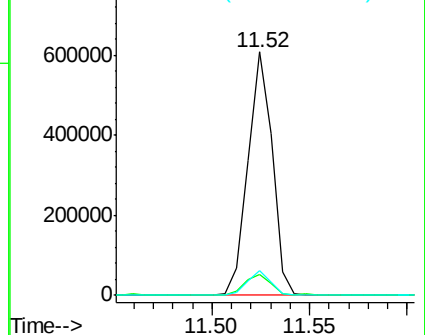
80 10.1 9.2 13.8



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: 7.533 ng

RT: 10.64 min Scan# 1411

Delta R.T. 0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

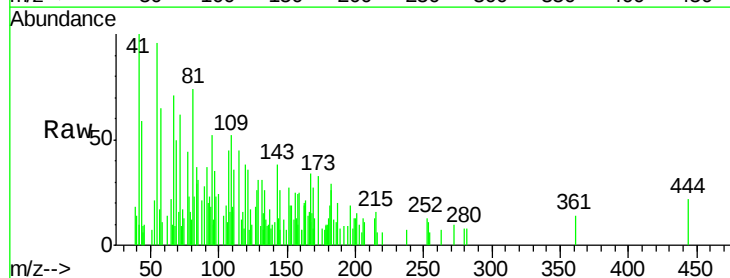
Tgt Ion:198 Resp: 146

Ion Ratio Lower Upper

198 100

51 85.5 37.7 77.7#

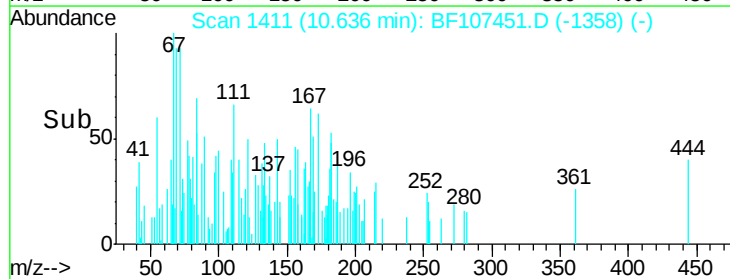
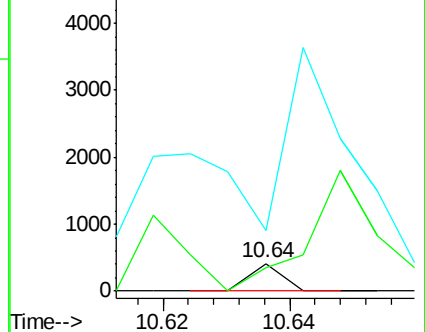
105 220.8 36.3 76.3#

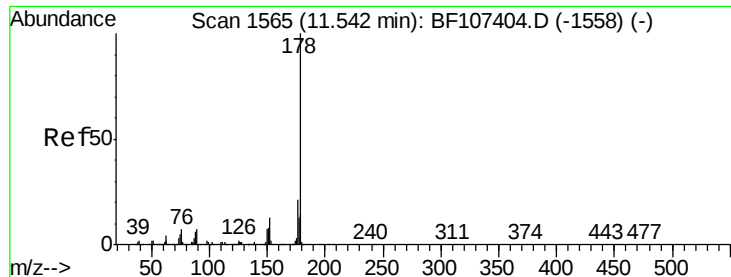


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 3.564 ng

RT: 11.55 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

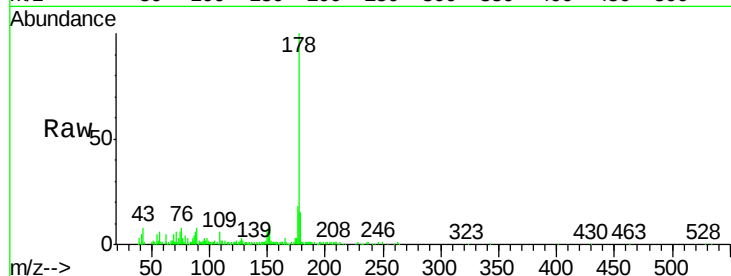
Tgt Ion:178 Resp: 93244

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

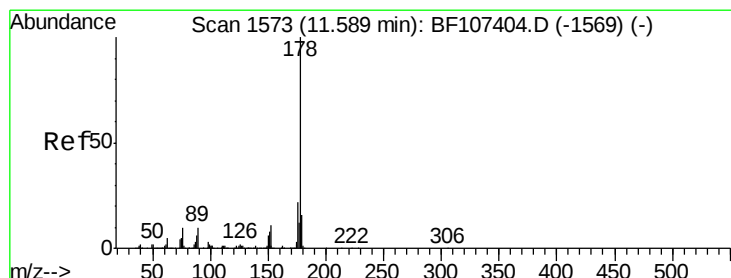
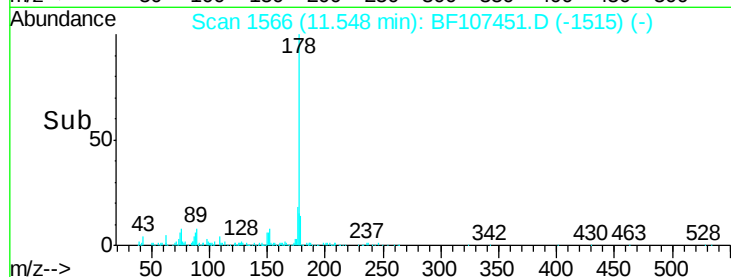
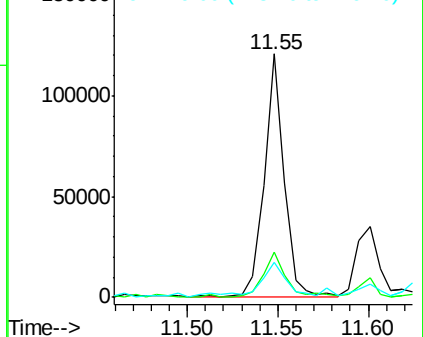
179 14.6 13.0 19.6



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



#71

Anthracene

Concen: 3.578 ng

RT: 11.55 min Scan# 1566

Delta R.T. -0.05 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

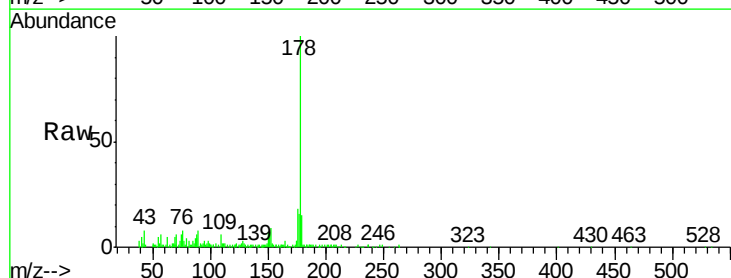
Tgt Ion:178 Resp: 93244

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

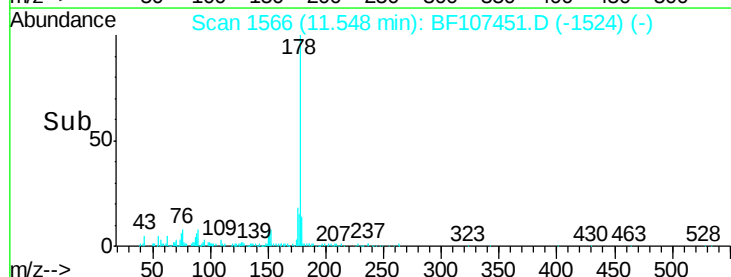
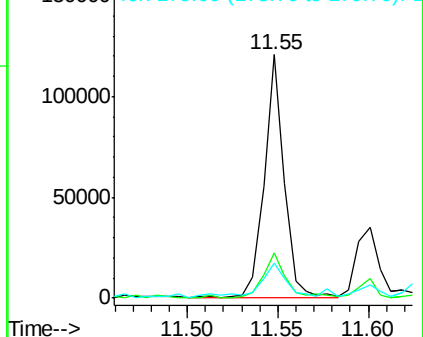
179 14.6 12.6 19.0

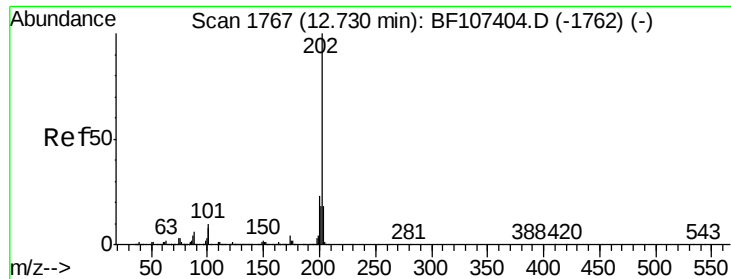


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.465 ng

RT: 12.74 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

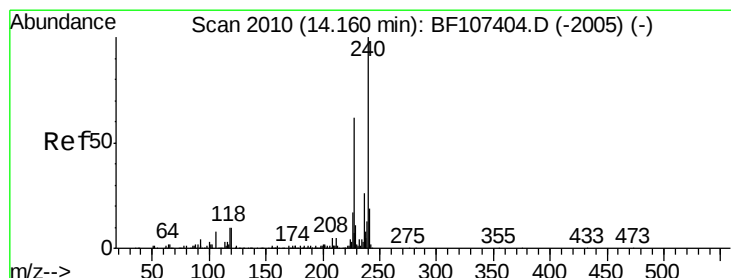
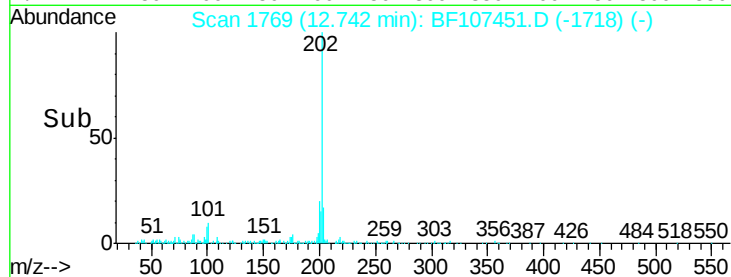
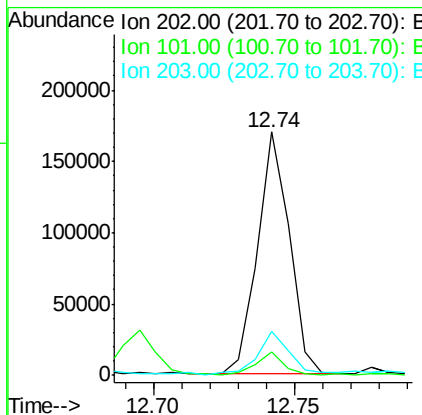
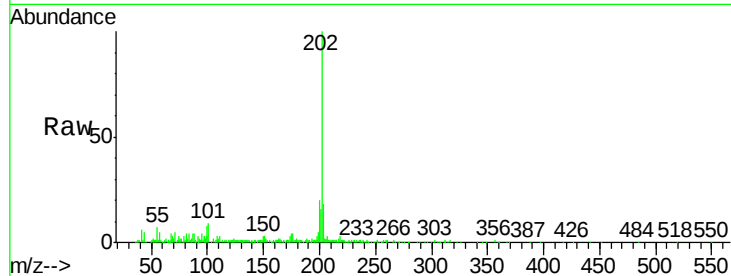
Instrument :

BNA_F

ClientSampleId :

TR-04-071618

Tgt Ion:	202	Resp:	132774
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.8	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

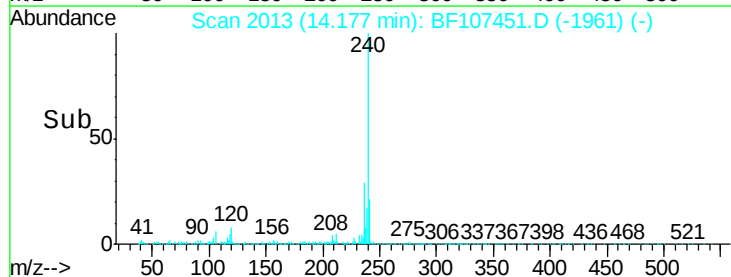
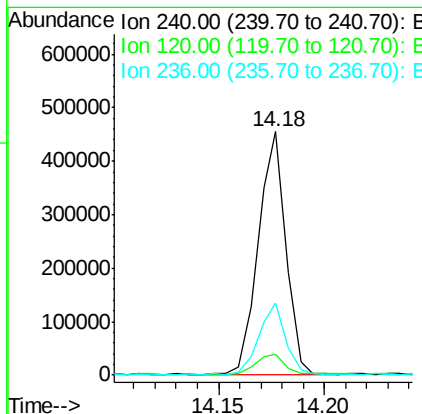
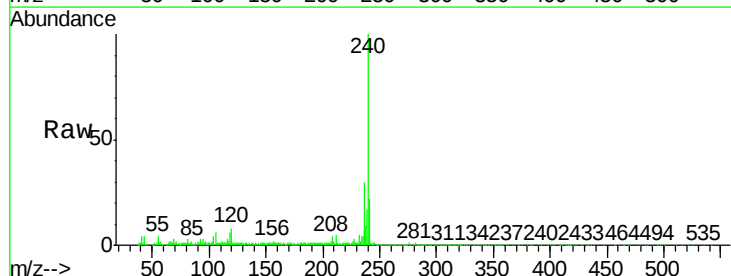
RT: 14.18 min Scan# 2013

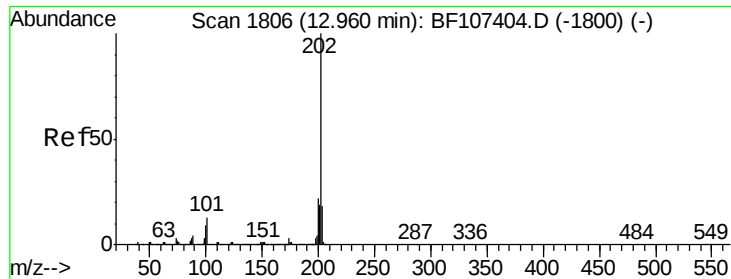
Delta R.T. 0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Tgt Ion:	240	Resp:	413274
Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.5	14.3#
236	29.6	20.7	31.1





#77

Pyrene

Concen: 5.409 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

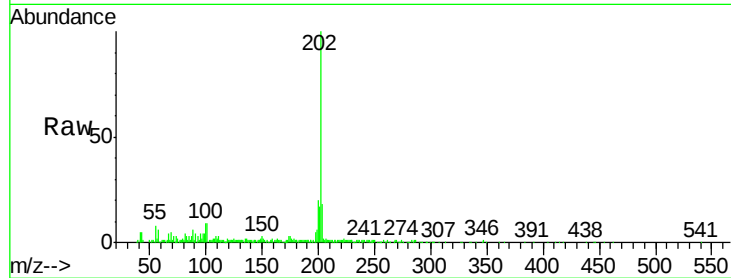
Tgt Ion:202 Resp: 152019

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

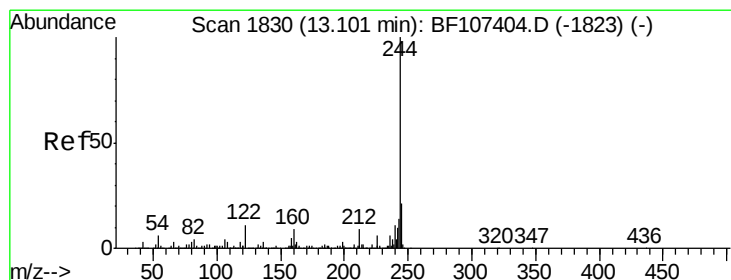
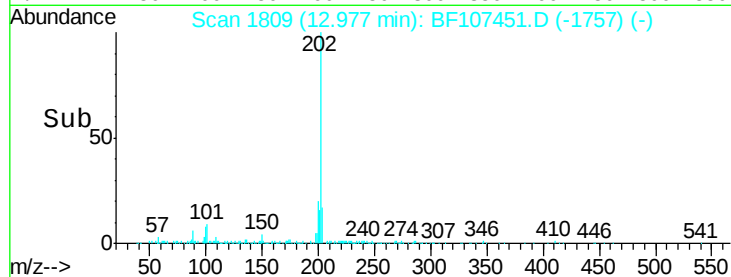
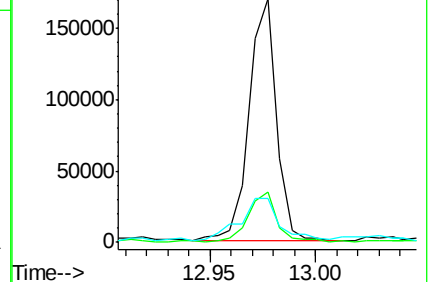
203 18.0 14.3 21.5



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: 27.079 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

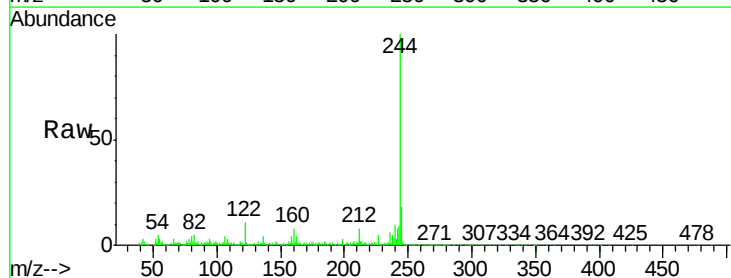
Tgt Ion:244 Resp: 450426

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

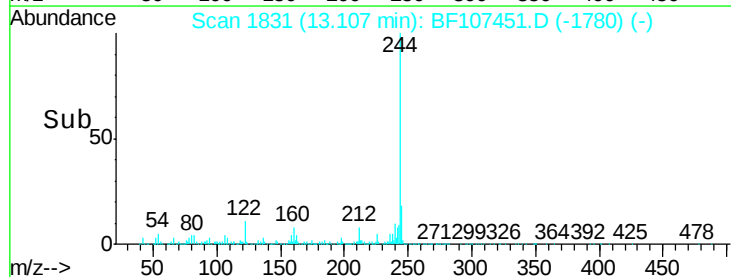
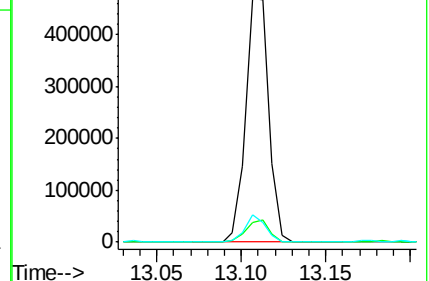
122 11.0 11.0 16.4

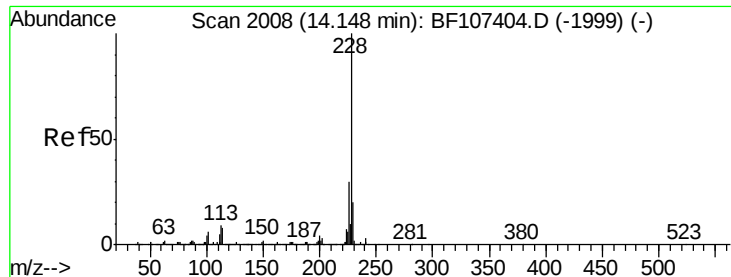


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.190 ng

RT: 14.20 min Scan# 2017

Delta R.T. 0.04 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Instrument :

BNA_F

ClientSampleId :

TR-04-071618

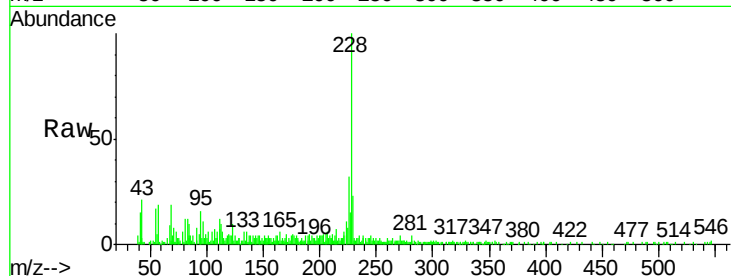
Tgt Ion:228 Resp: 80660

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

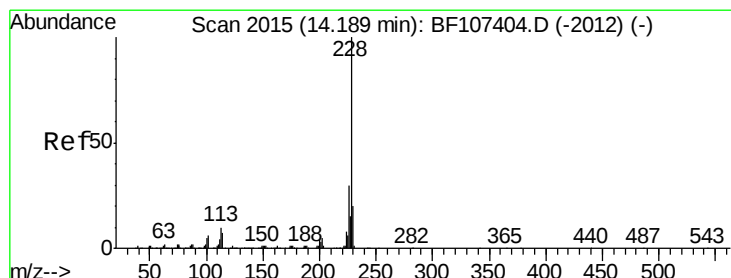
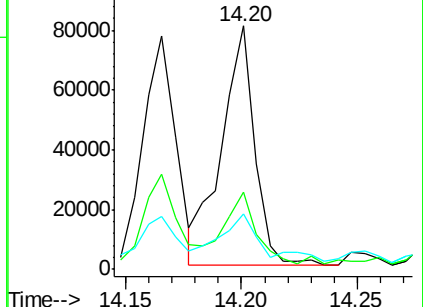
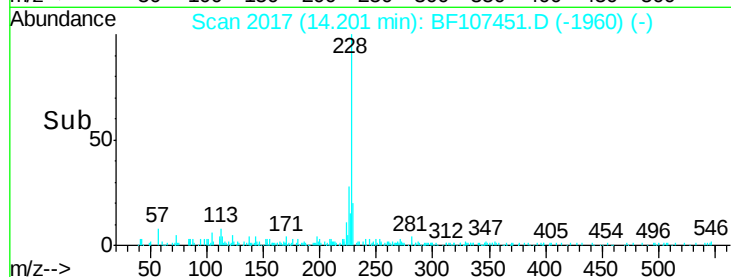
229 23.0 15.8 23.6



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



#82

Chrysene

Concen: 3.339 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

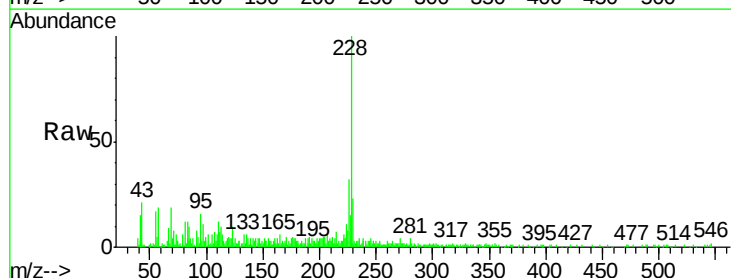
Tgt Ion:228 Resp: 80660

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

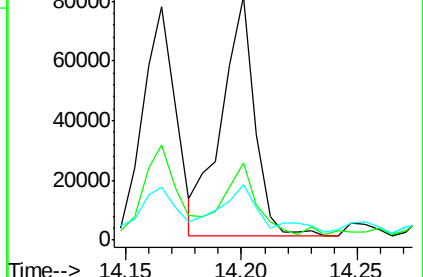
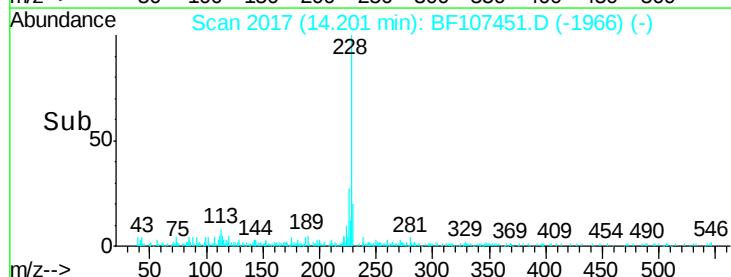
229 23.0 16.2 24.4

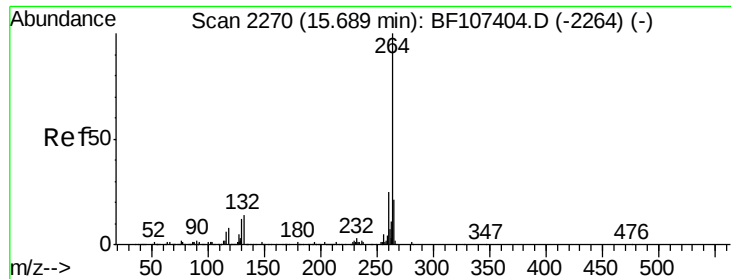


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

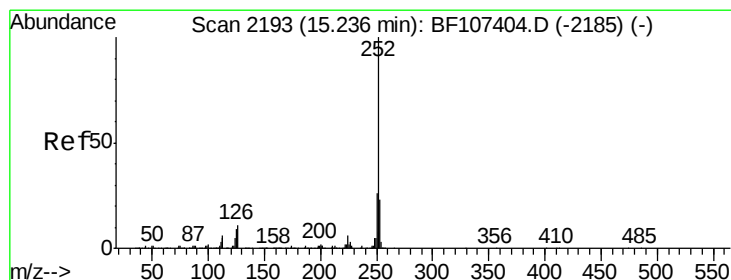
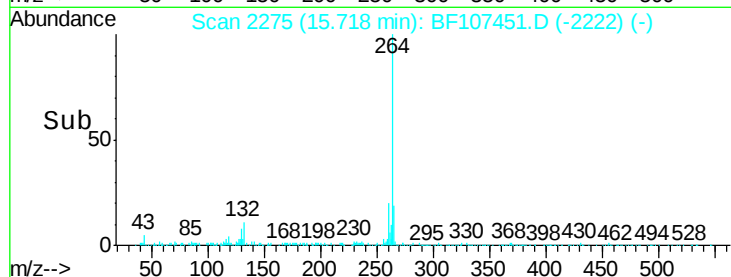
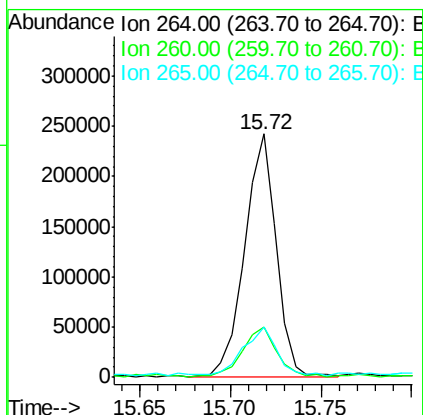
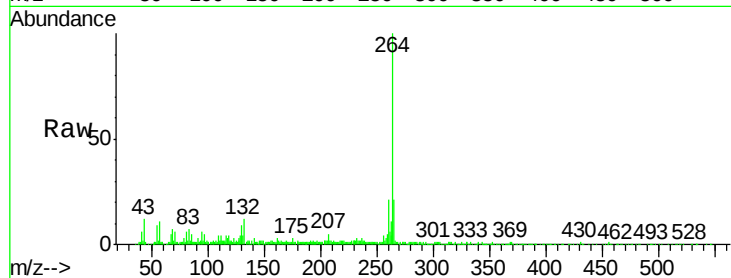




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF107451.D
Acq: 17 Jul 2018 16:04

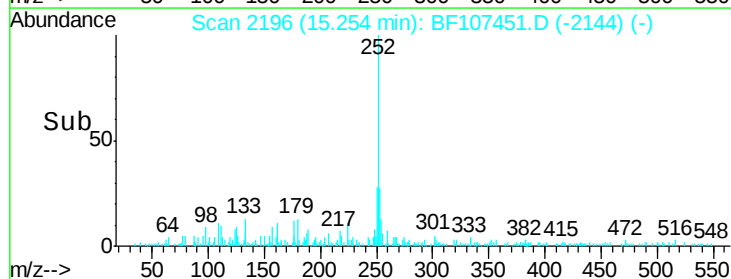
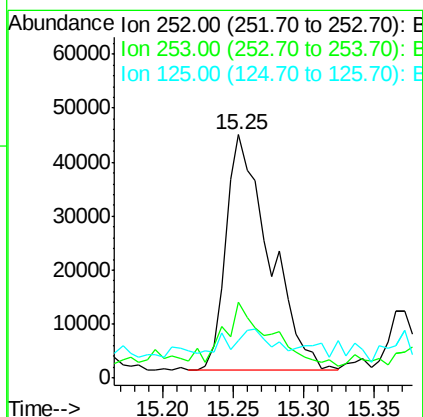
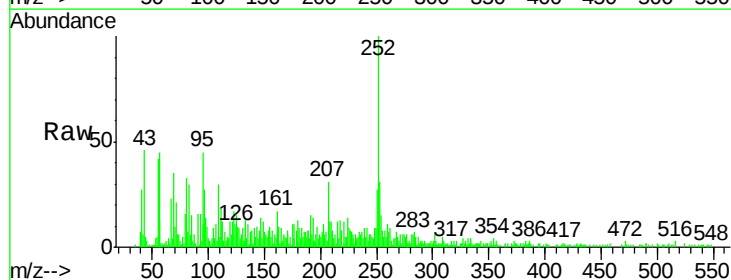
Instrument :
BNA_F
ClientSampleId :
TR-04-071618

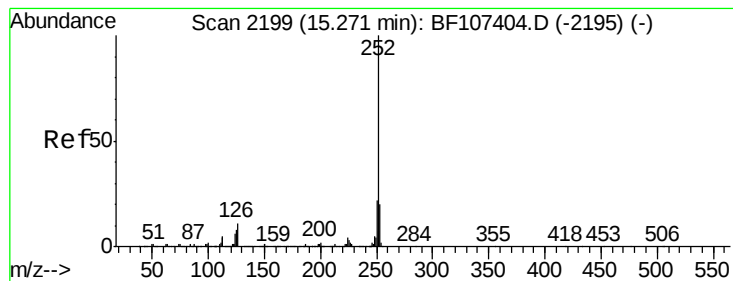
Tgt Ion:264 Resp: 290659
Ion Ratio Lower Upper
264 100
260 20.8 19.2 28.8
265 20.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.473 ng
RT: 15.25 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF107451.D
Acq: 17 Jul 2018 16:04

Tgt Ion:252 Resp: 93118
Ion Ratio Lower Upper
252 100
253 31.0 17.0 25.6#
125 15.4 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 5.609 ng

RT: 15.25 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

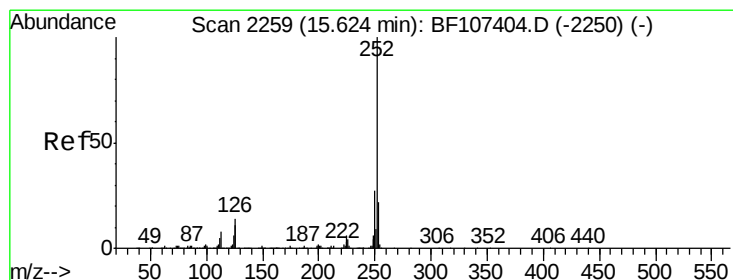
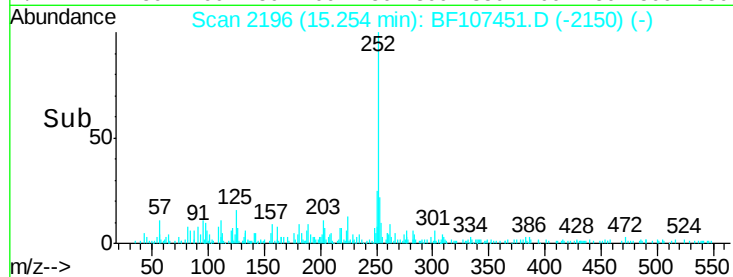
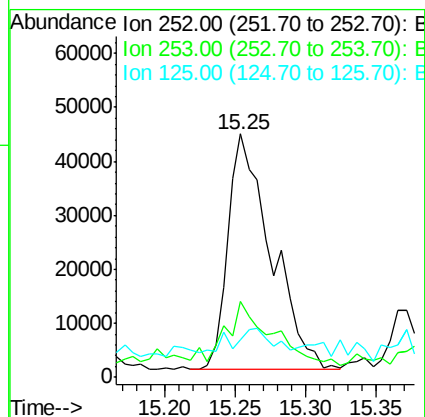
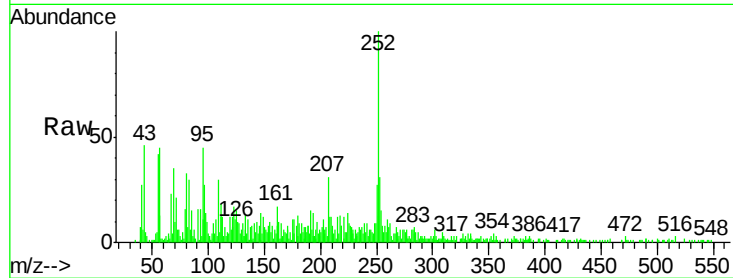
Instrument :

BNA_F

ClientSampleId :

TR-04-071618

Tgt Ion:	252	Resp:	93118
Ion Ratio	Lower	Upper	
252	100		
253	31.0	17.9	26.9#
125	15.4	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 2.981 ng

RT: 15.65 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF107451.D

Acq: 17 Jul 2018 16:04

Tgt Ion:	252	Resp:	46556
Ion Ratio	Lower	Upper	
252	100		
253	35.8	17.1	25.7#
125	25.3	9.8	14.6#

