

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073118\
 Data File : BF107864.D
 Acq On : 31 Jul 2018 21:54
 Operator : JU/SJ
 Sample : J4236-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-010-A

Quant Time: Aug 01 00:59:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	157991	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	664137	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	287321	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	515775	20.00	ng	0.00
75) Chrysene-d12	14.15	240	438140	20.00	ng	0.00
86) Perylene-d12	15.68	264	443915	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	973569	104.73	ng	0.00
7) Phenol-d6	6.60	99	1194116	97.47	ng	0.00
23) Nitrobenzene-d5	7.52	82	802015	69.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	320597	82.12	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1492915	72.41	ng	0.00
78) Terphenyl-d14	13.08	244	1169470	57.88	ng	0.00

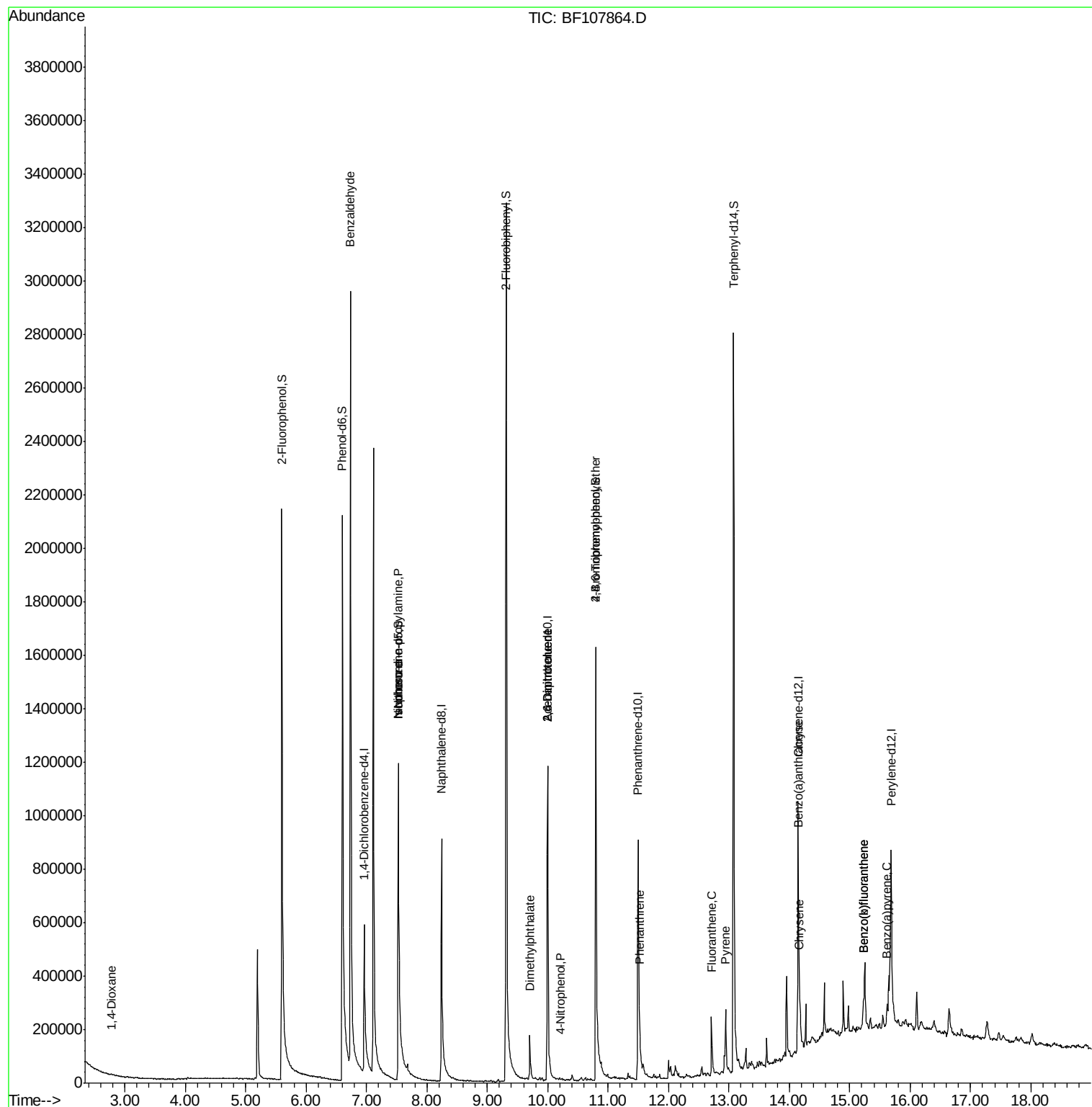
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.78	88	345	5.863	ng	# 1
9) Benzaldehyde	6.74	77	20796	2.813	ng	# 86
19) n-Nitroso-di-n-propylamine	7.52	70	93202	11.992	ng	# 79
25) Isophorone	7.52	82	803683	42.471	ng	# 64
49) Dimethylphthalate	9.71	163	99769	4.624	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	35747	7.623	ng	# 26
55) 4-Nitrophenol	10.22	139	998	9.630	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	36762	5.965	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	18711	3.112	ng	# 1
70) Phenanthrene	11.52	178	70101	2.862	ng	# 96
74) Fluoranthene	12.71	202	130643	4.541	ng	# 98
77) Pyrene	12.95	202	127016	4.026	ng	# 97
80) Benzo(a)anthracene	14.14	228	67483	2.719	ng	# 98
82) Chrysene	14.18	228	62350	2.329	ng	# 97
87) Benzo(b)fluoranthene	15.23	252	106562	4.867	ng	# 93
88) Benzo(k)fluoranthene	15.23	252	106562	3.964	ng	# 96
89) Benzo(a)pyrene	15.62	252	57924	2.563	ng	# 87

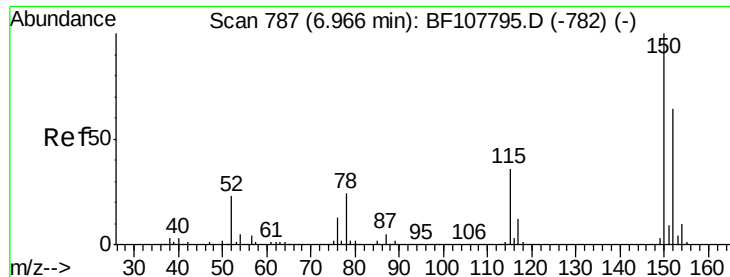
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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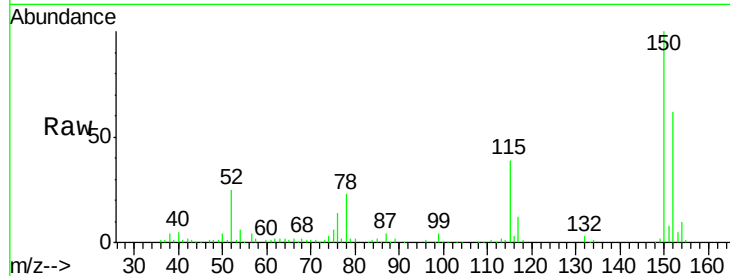


#1

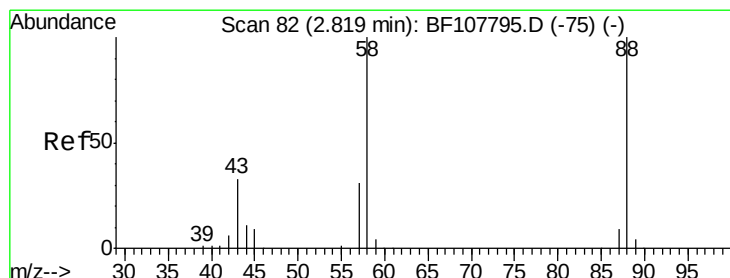
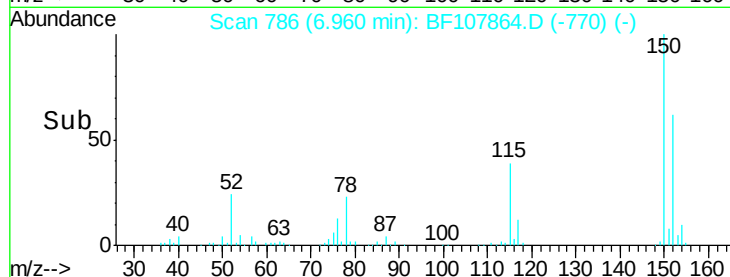
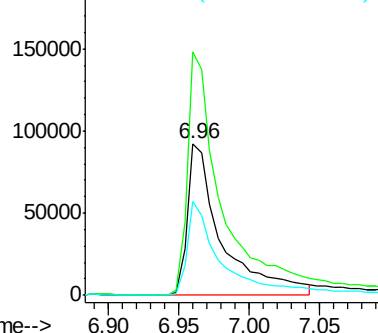
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion:152 Resp: 157991
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 61.9 50.1 75.1



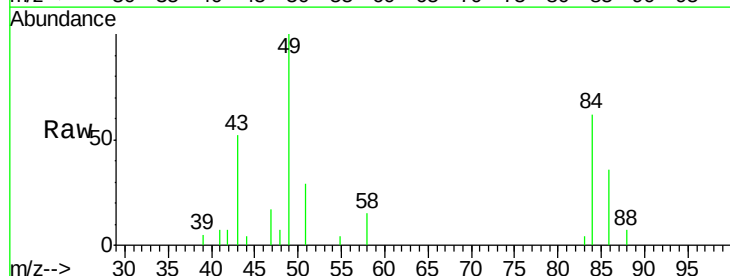
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



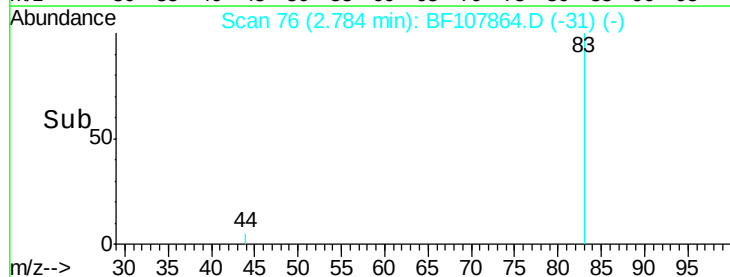
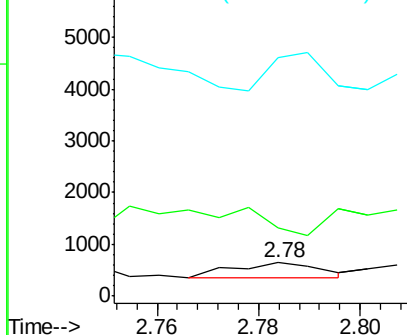
#2

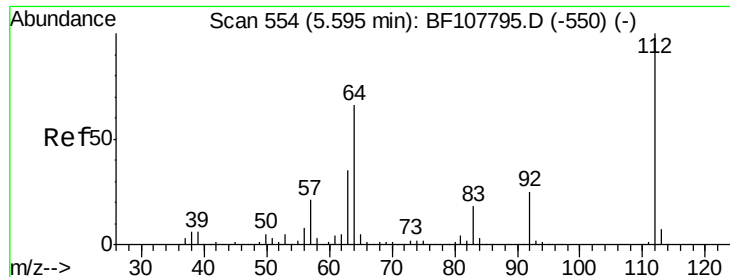
1,4-Dioxane
Concen: 5.863 ng
RT: 2.78 min Scan# 76
Delta R.T. -0.04 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
58 226.7 62.6 93.8#
43 172.2 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 104.729 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

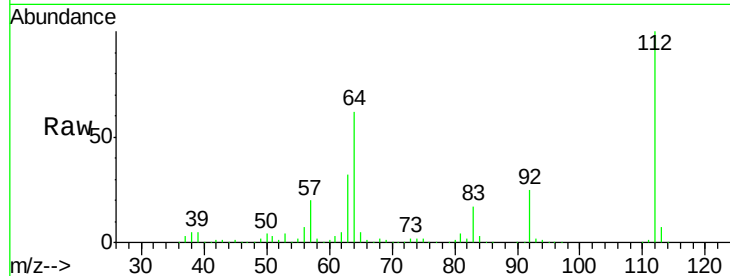
Tgt Ion: 112 Resp: 973569

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

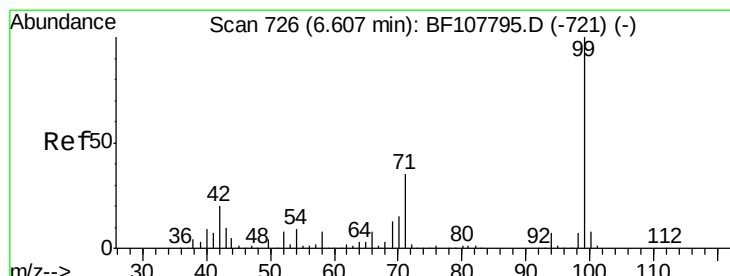
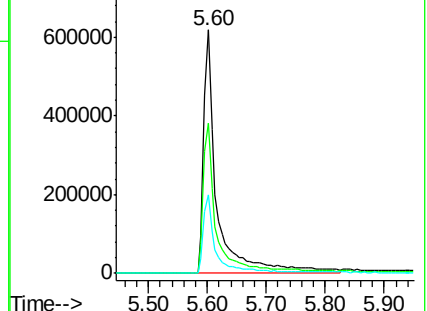
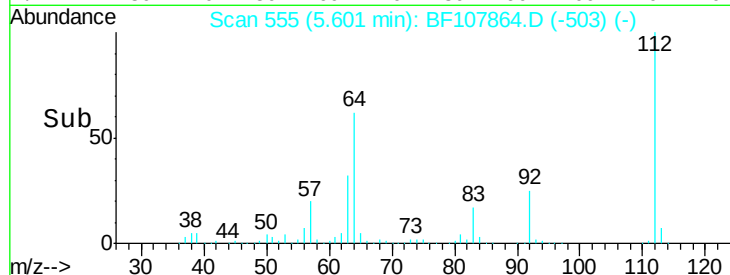
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 97.465 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

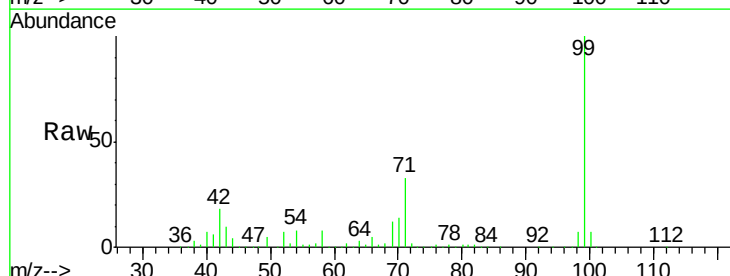
Tgt Ion: 99 Resp: 1194116

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

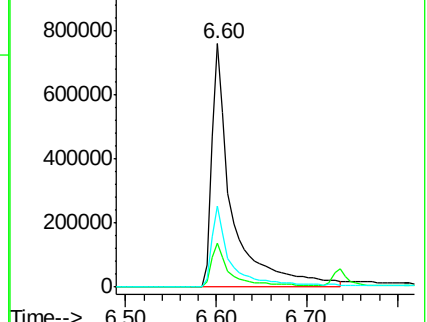
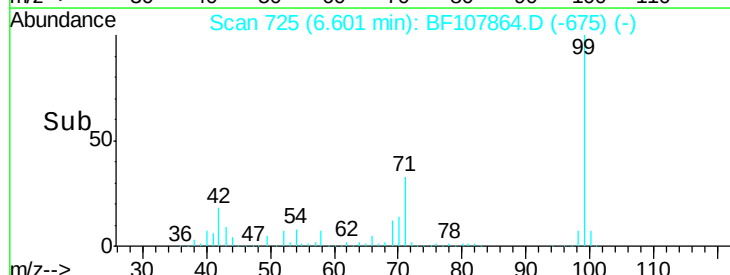
71 33.1 25.4 38.0

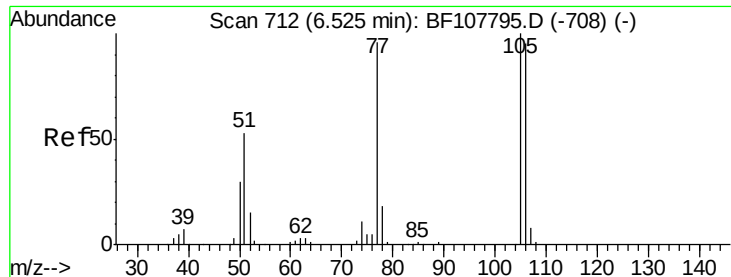


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.813 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

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ClientSampleId :

FK-GF-01-010-A

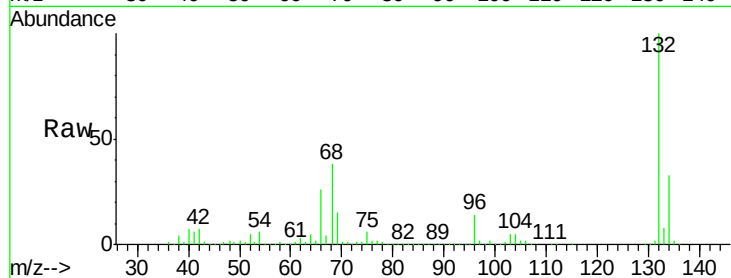
Tgt Ion: 77 Resp: 20796

Ion Ratio Lower Upper

77 100

105 82.8 81.1 121.1

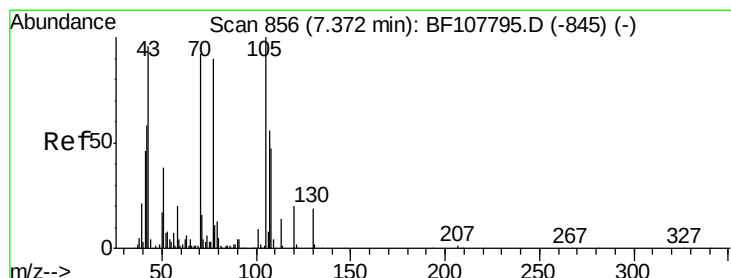
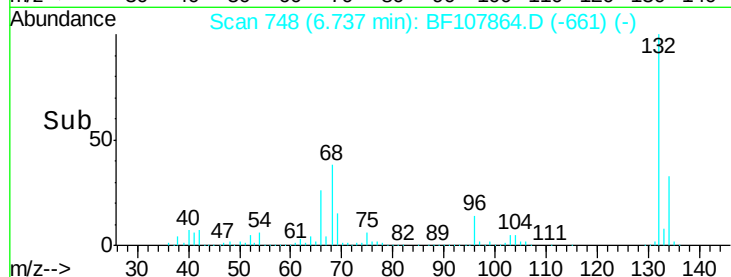
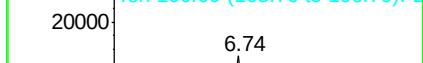
106 85.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.992 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Tgt Ion: 70 Resp: 93202

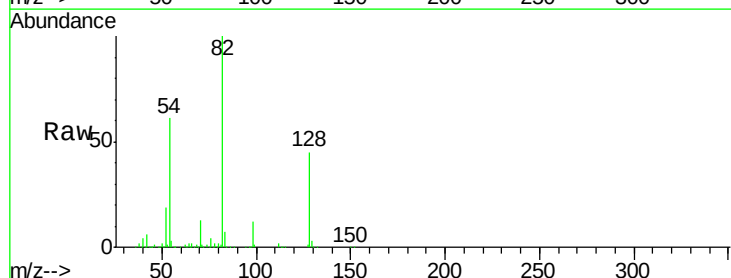
Ion Ratio Lower Upper

70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

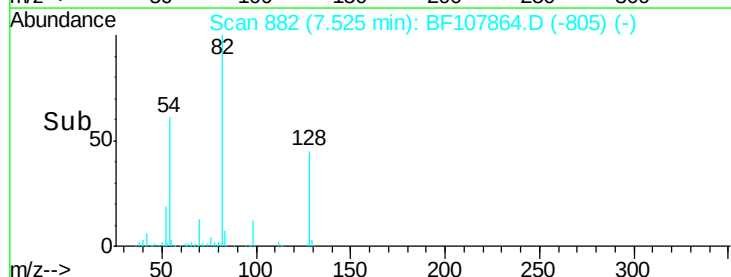


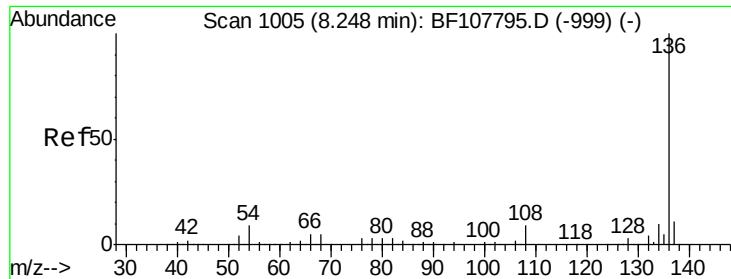
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

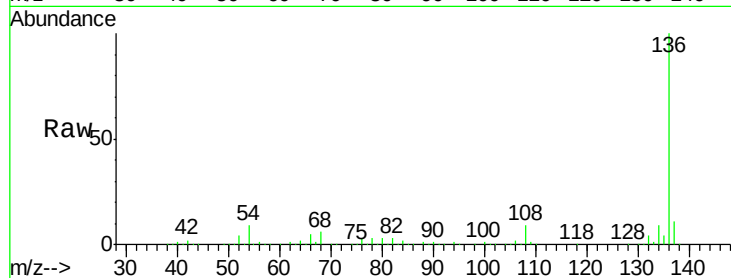




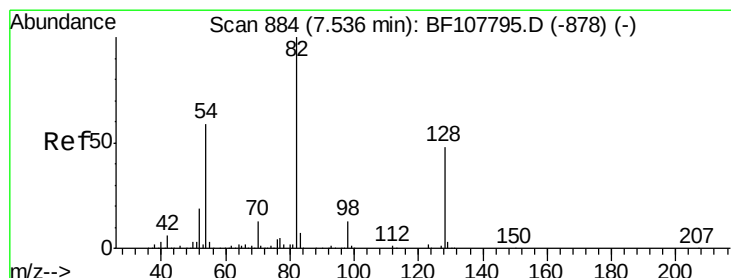
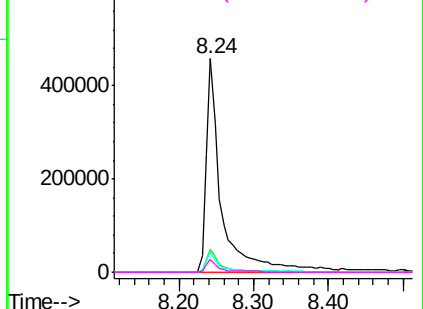
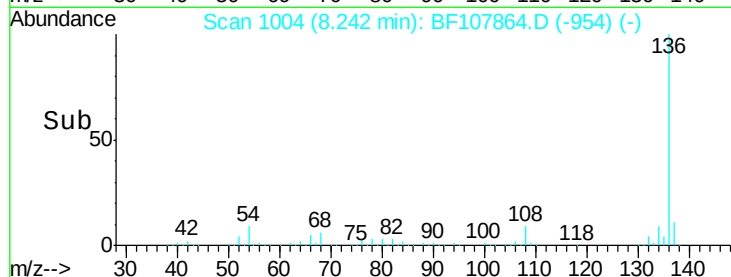
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

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BNA_F
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FK-GF-01-010-A

Tgt Ion:	136	Resp:	664137
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	5.8	5.0	7.4

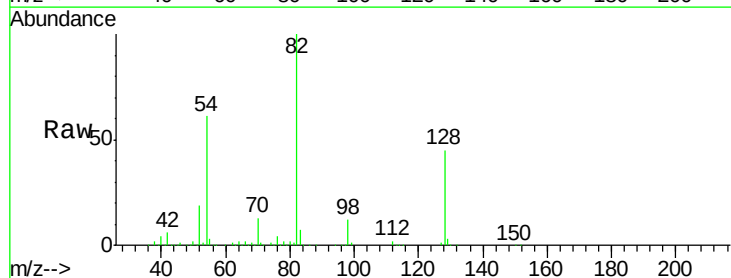


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

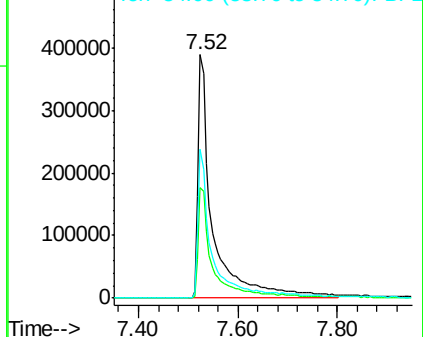
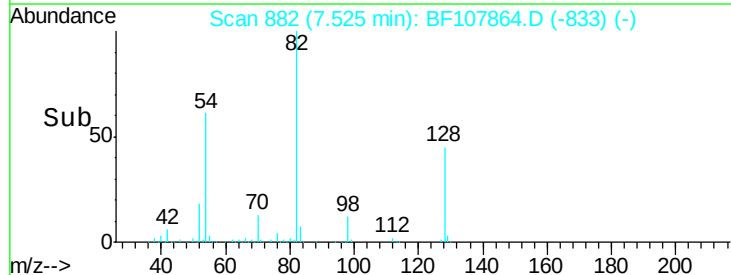


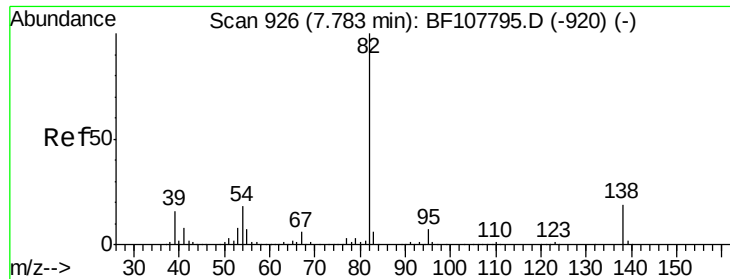
#23
Nitrobenzene-d5
Concen: 69.571 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Tgt Ion:	82	Resp:	802015
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	61.0	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: 42.471 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

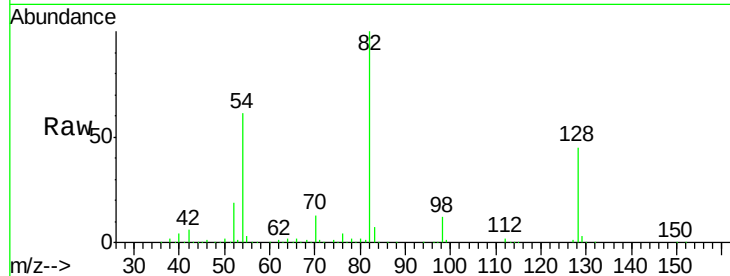
Tgt Ion: 82 Resp: 803683

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

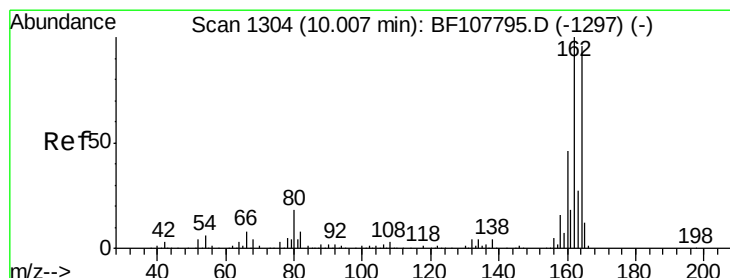
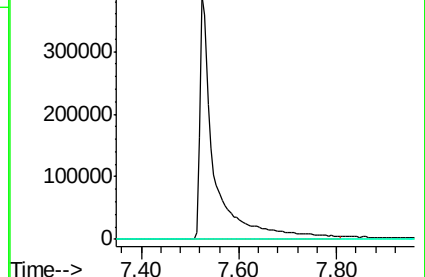
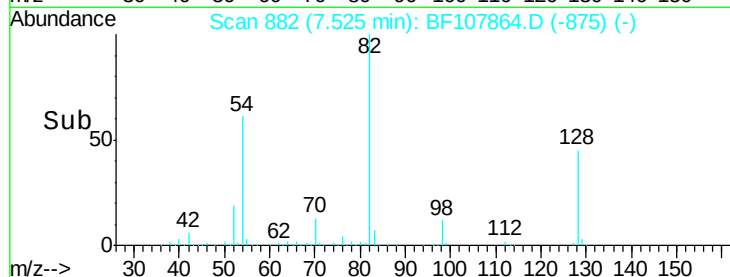
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

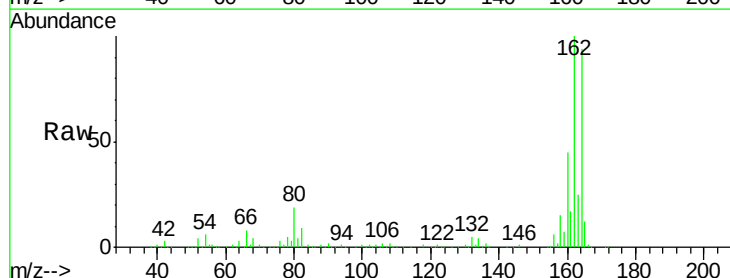
Tgt Ion: 164 Resp: 287321

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

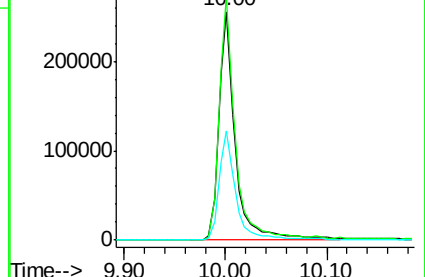
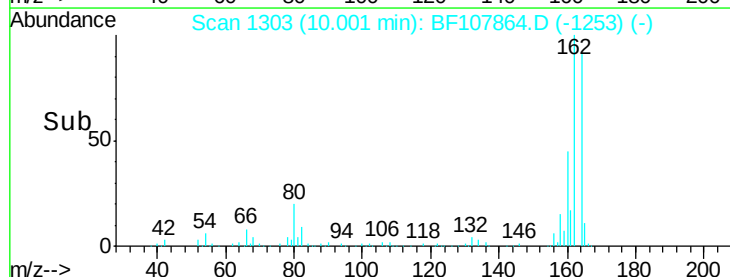
160 48.1 38.3 57.5

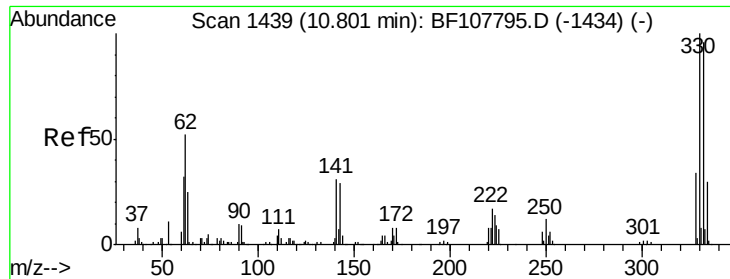


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

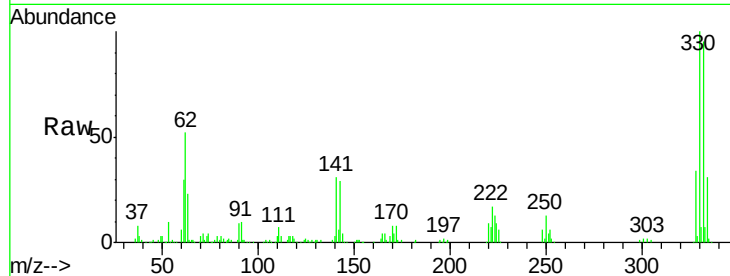




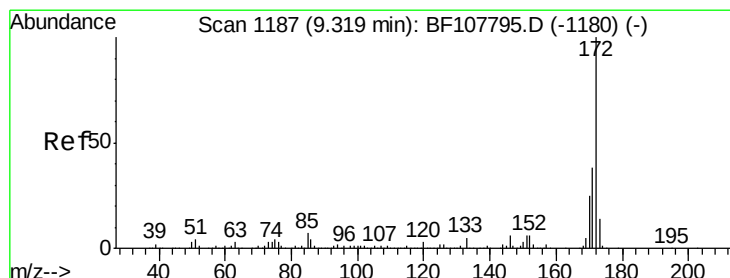
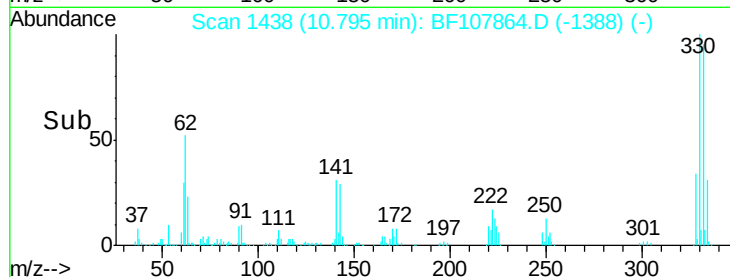
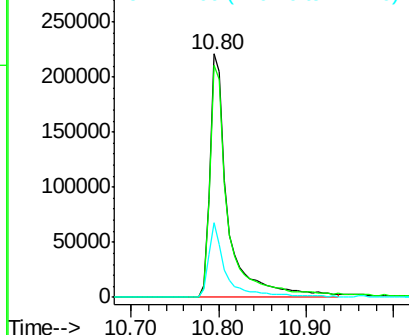
#41
 2,4,6-Tribromophenol
 Concen: 82.118 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107864.D
 Acq: 31 Jul 2018 21:54

Instrument :
 BNA_F
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 FK-GF-01-010-A

Tgt Ion: 330 Resp: 320597
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 28.7 29.9 44.9#

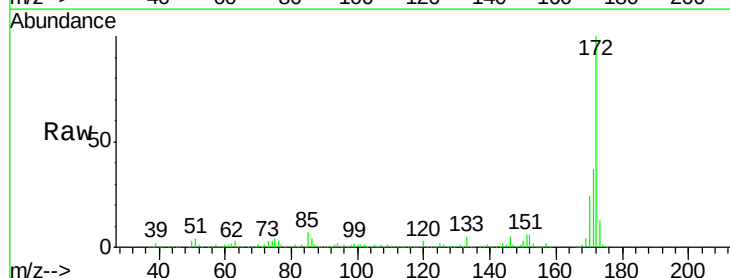


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

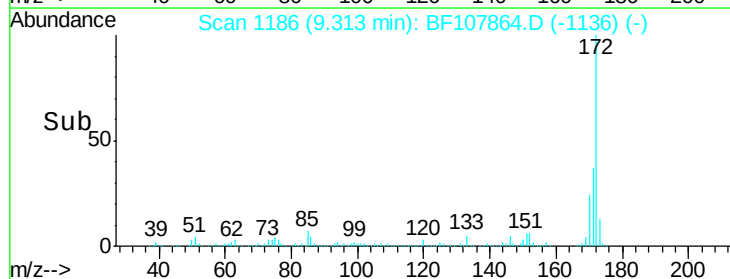
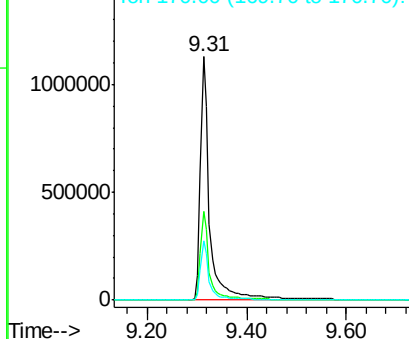


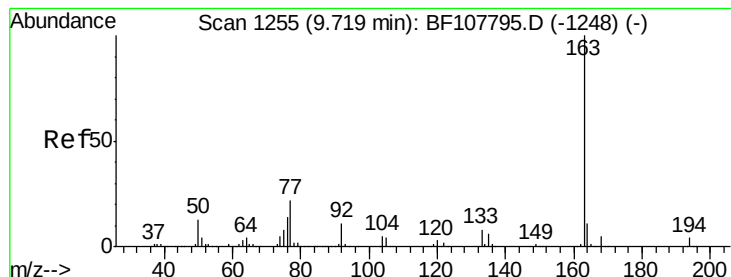
#44
 2-Fluorobiphenyl
 Concen: 72.406 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107864.D
 Acq: 31 Jul 2018 21:54

Tgt Ion: 172 Resp: 1492915
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.2 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: 4.624 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

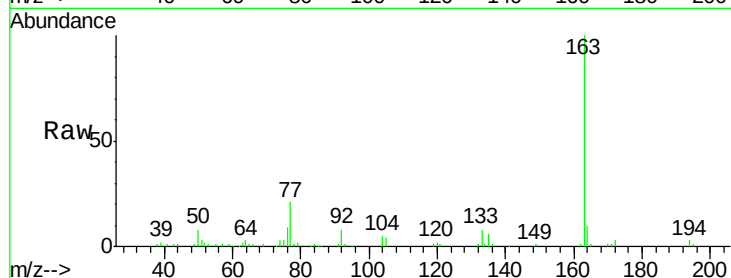
Tgt Ion:163 Resp: 99769

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

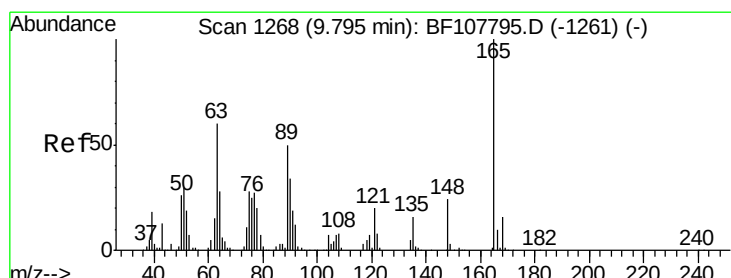
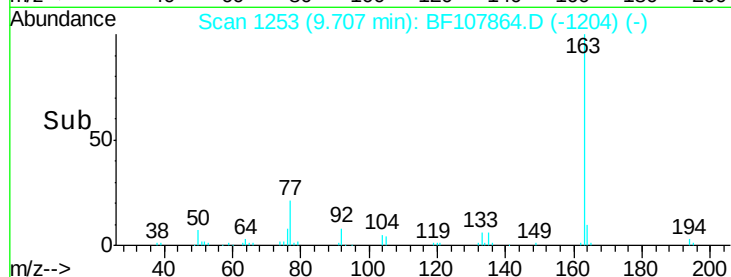
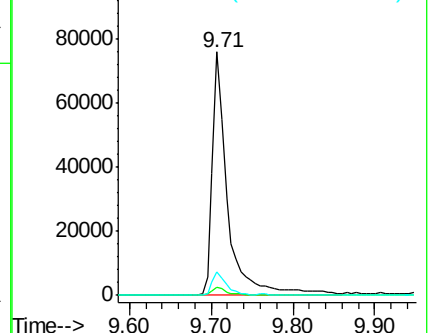
164 9.8 8.2 12.2



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: 7.623 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

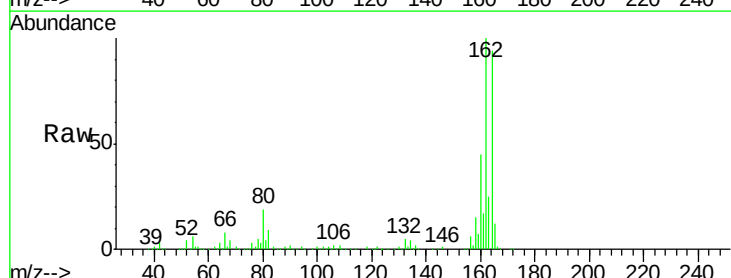
Tgt Ion:165 Resp: 35747

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

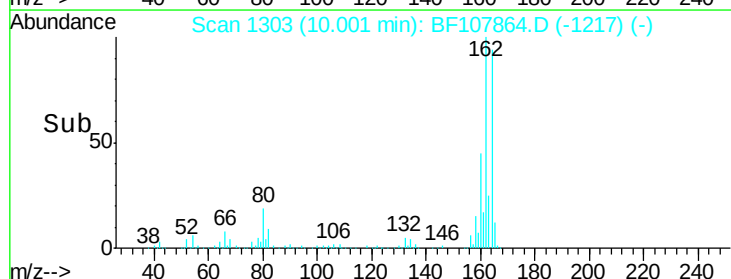
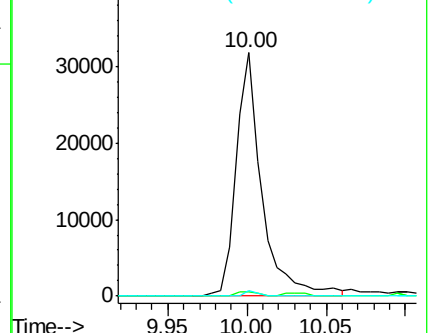
89 2.3 44.0 66.0#

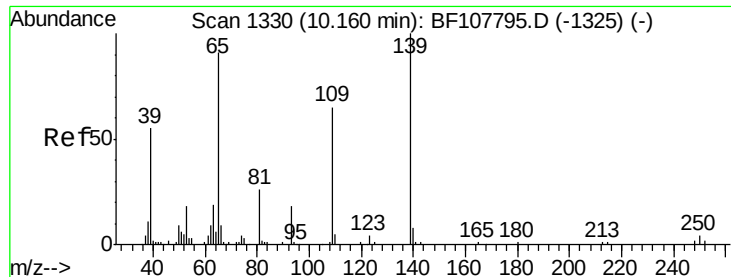


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

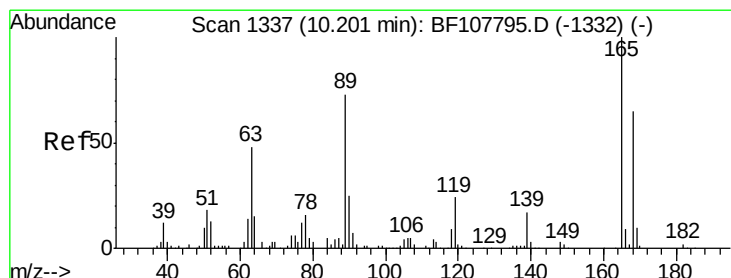
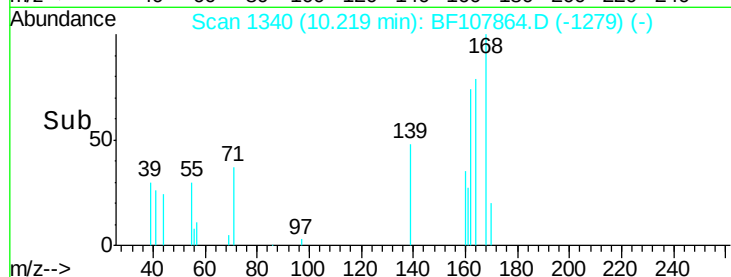
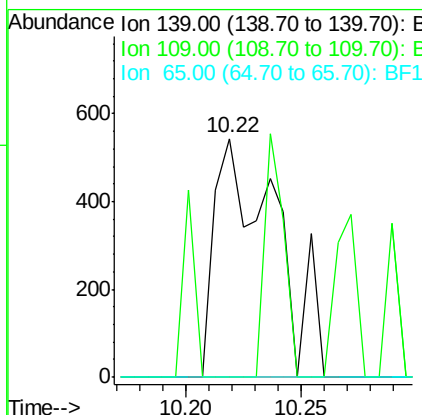
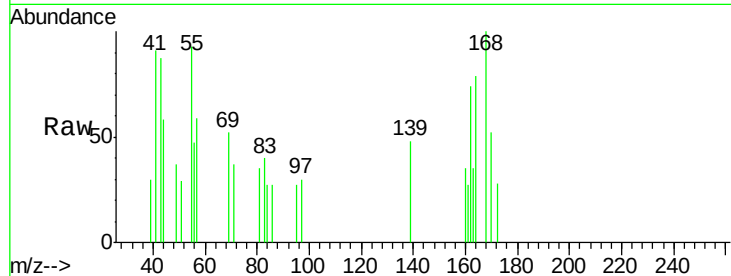




#55
4-Nitrophenol
Concen: 9.630 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

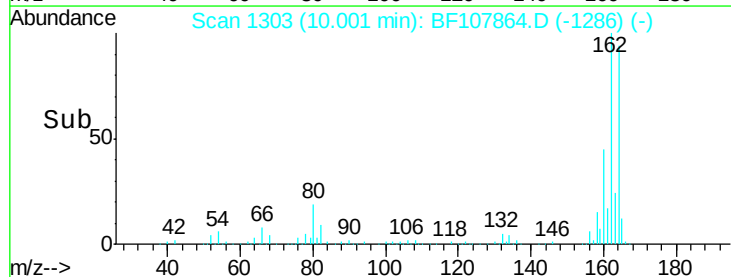
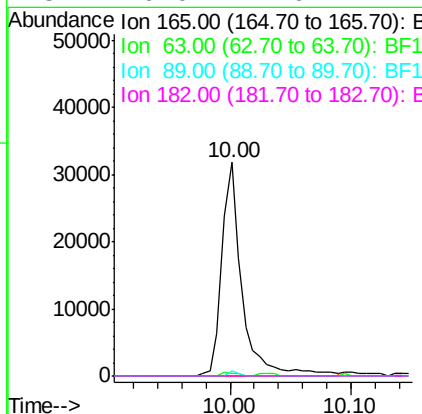
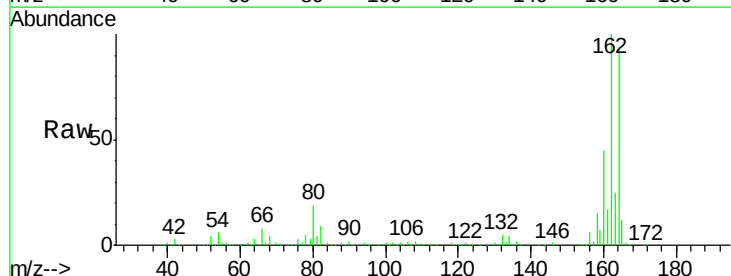
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-010-A

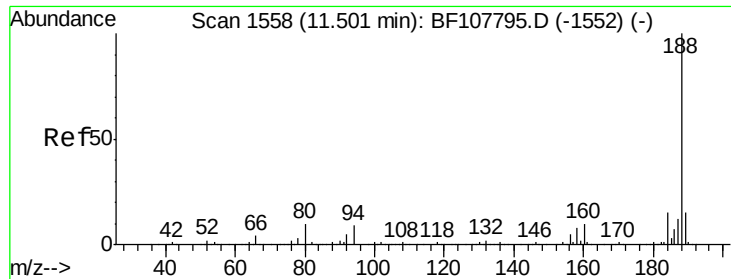
Tgt Ion:139 Resp: 998
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.965 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Tgt Ion:165 Resp: 36762
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 2.3 57.8 86.6#
182 0.0 1.6 2.4#

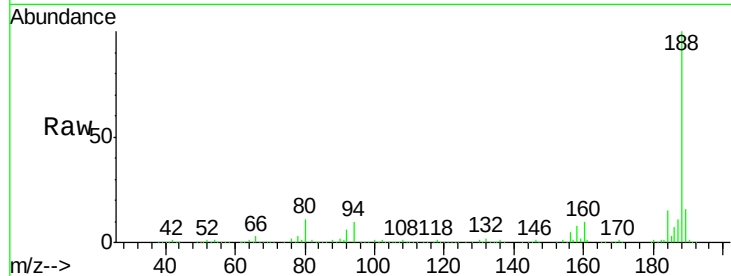




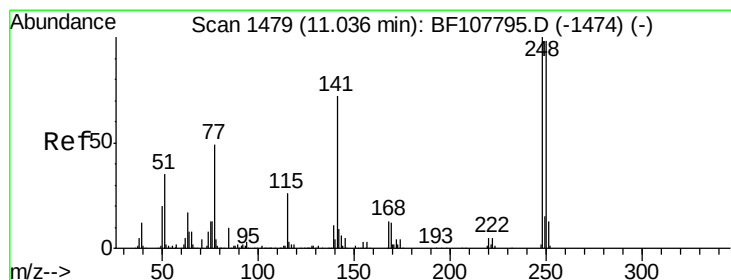
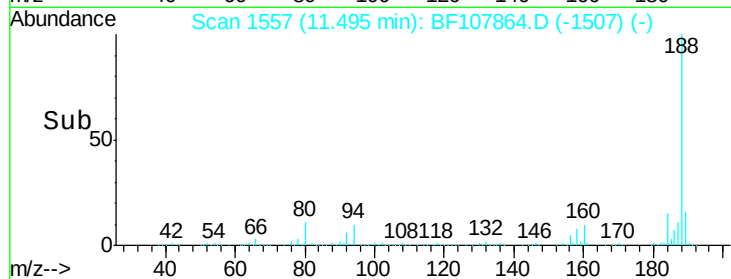
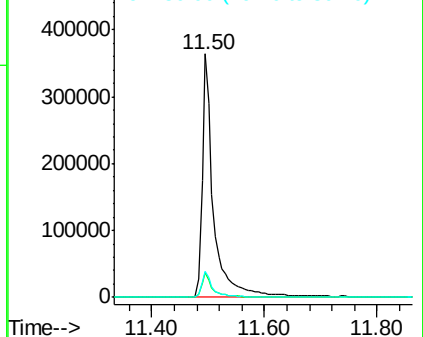
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion:188 Resp: 515775
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.8 9.2 13.8

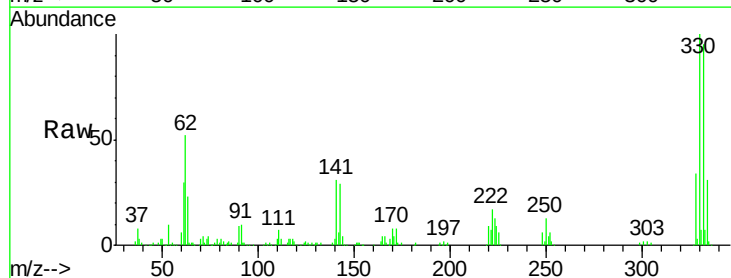


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

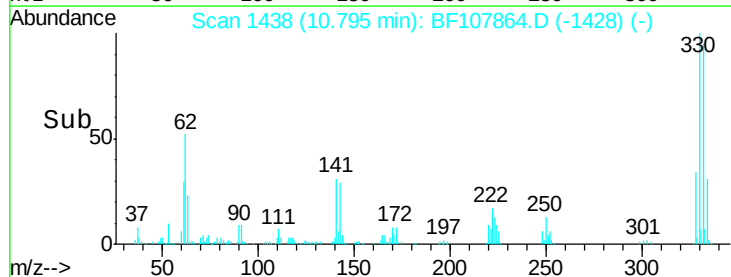
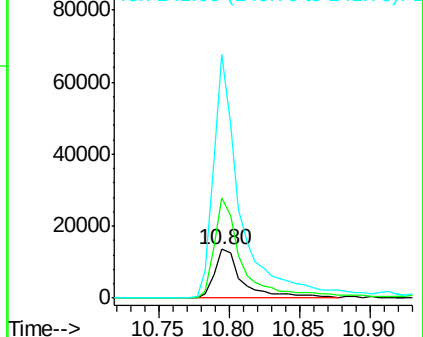


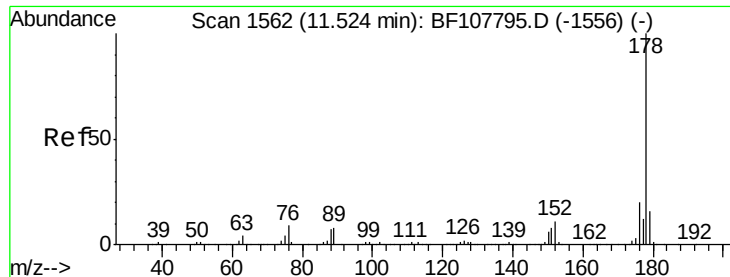
#66
4-Bromophenyl-phenylether
Concen: 3.112 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Tgt Ion:248 Resp: 18711
Ion Ratio Lower Upper
248 100
250 205.7 76.9 115.3#
141 499.0 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

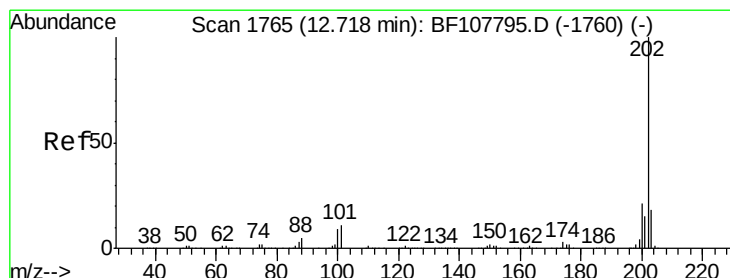
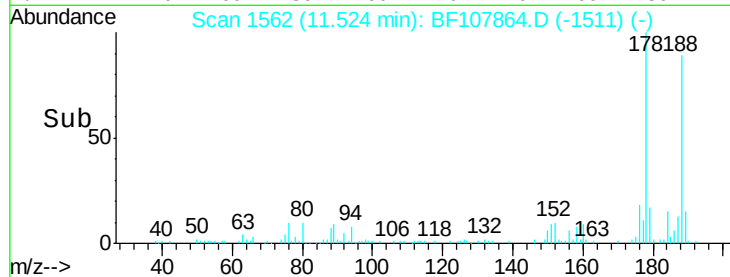
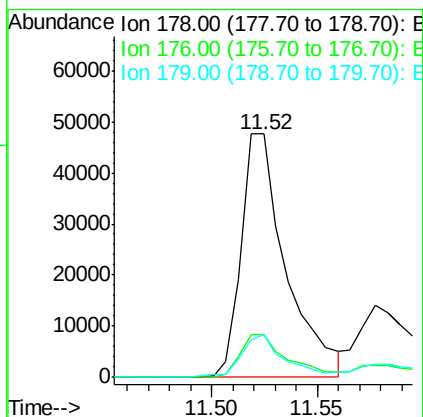
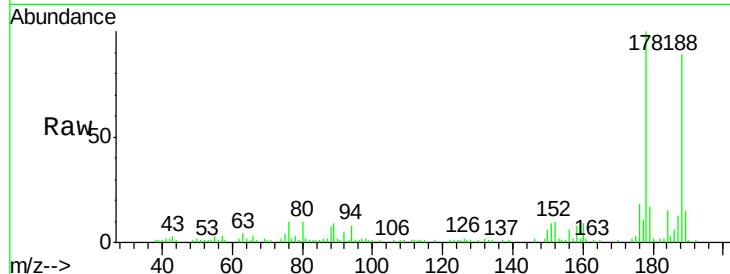




#70
Phenanthrene
Concen: 2.862 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

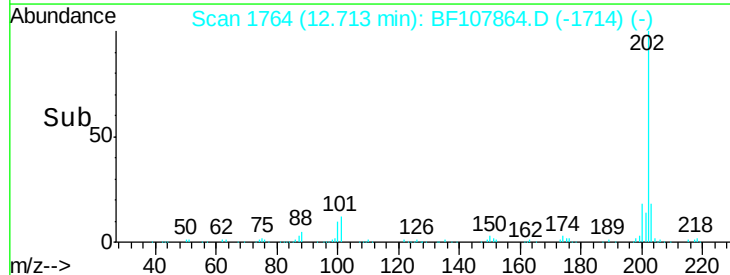
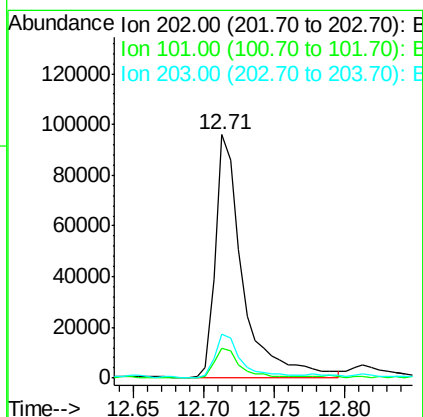
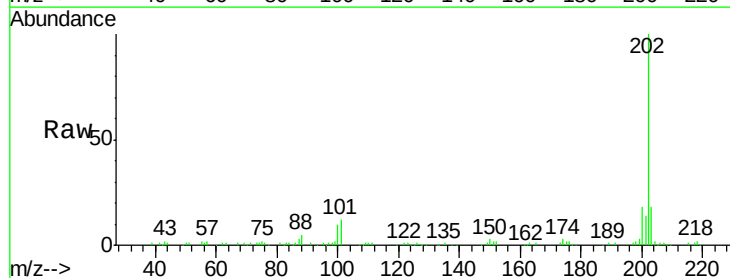
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-010-A

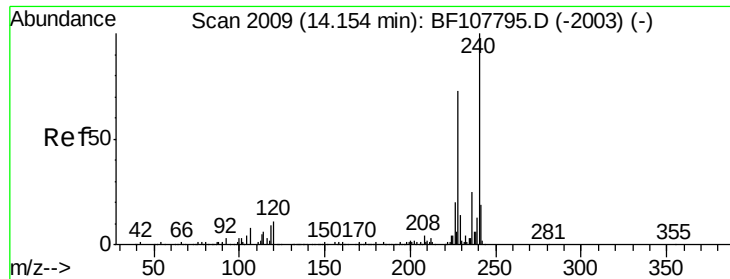
Tgt Ion:178 Resp: 70101
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 17.3 13.0 19.6



#74
Fluoranthene
Concen: 4.541 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107864.D
Acq: 31 Jul 2018 21:54

Tgt Ion:202 Resp: 130643
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.1
203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

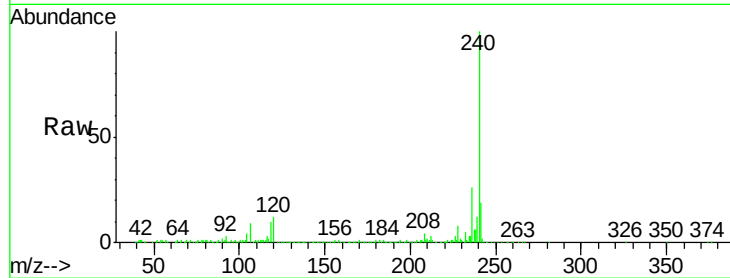
Tgt Ion:240 Resp: 438140

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

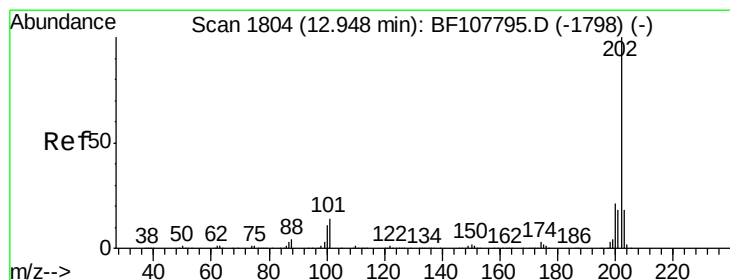
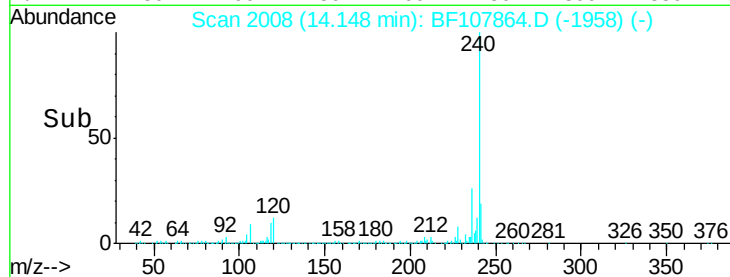
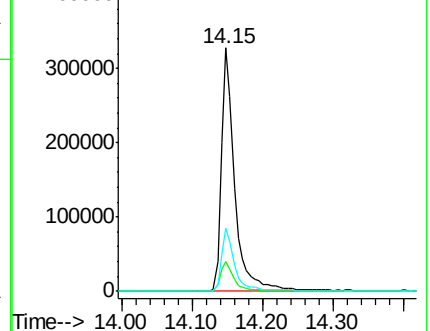
236 25.9 20.7 31.1



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: 4.026 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

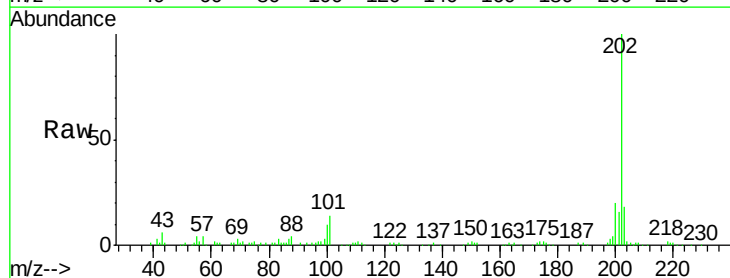
Tgt Ion:202 Resp: 127016

Ion Ratio Lower Upper

202 100

200 19.6 17.4 26.2

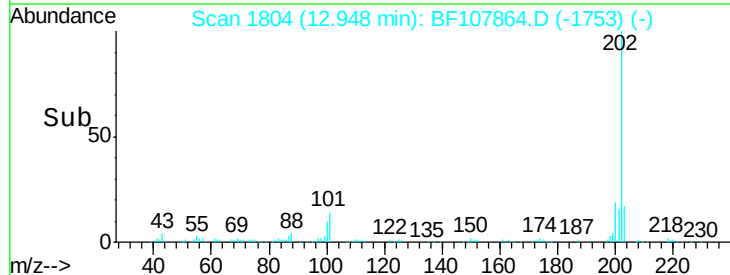
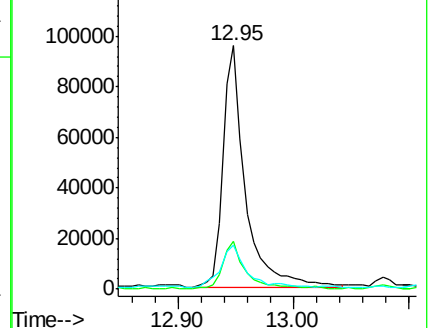
203 18.3 14.3 21.5

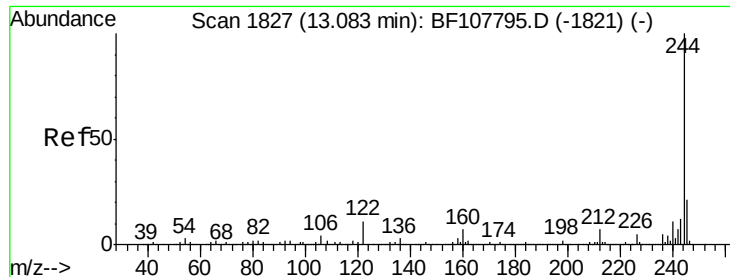


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.879 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

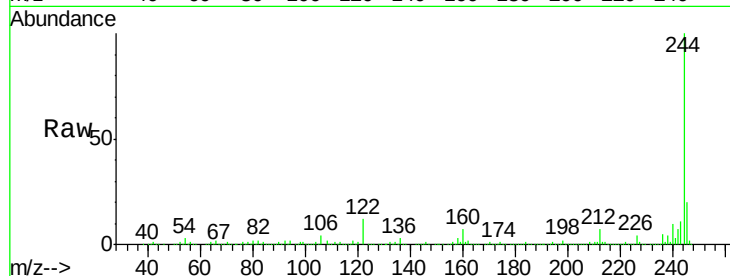
Tgt Ion:244 Resp: 1169470

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

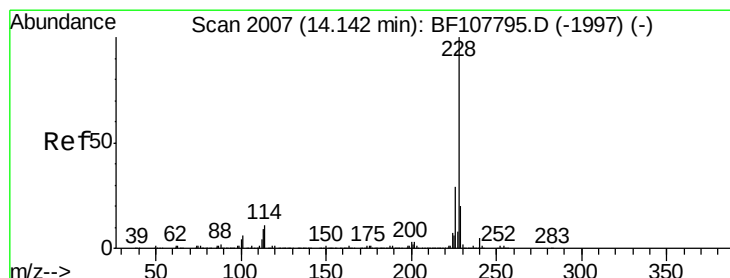
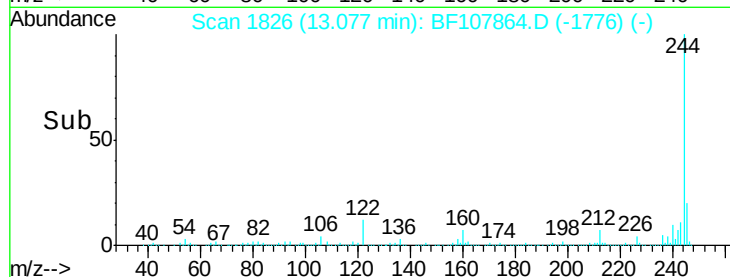
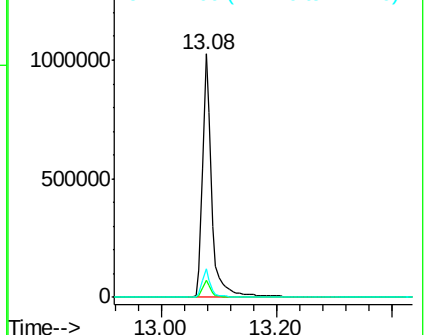
122 11.8 11.0 16.4



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: 2.719 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

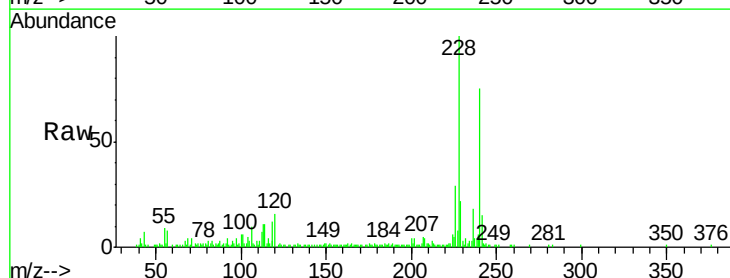
Tgt Ion:228 Resp: 67483

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

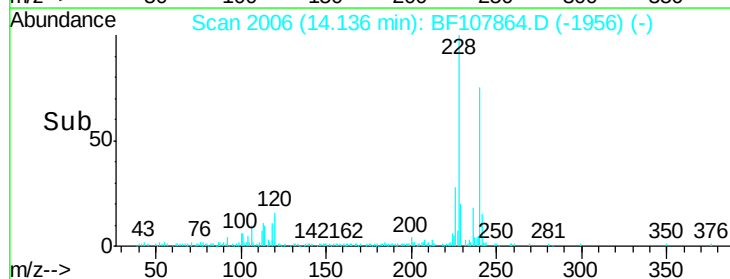
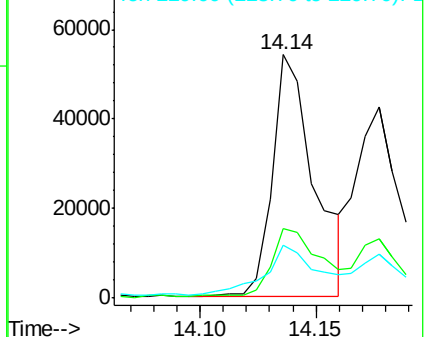
229 21.6 15.8 23.6

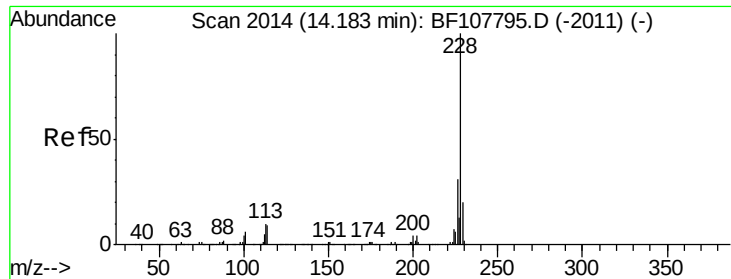


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.329 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

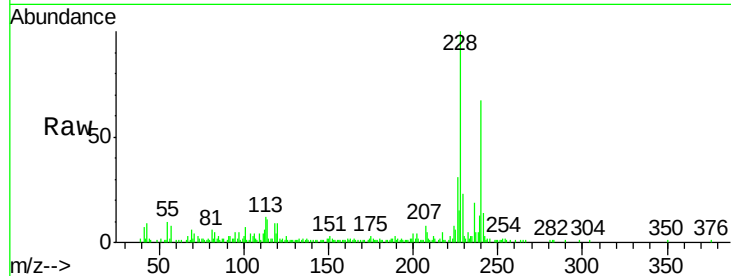
Tgt Ion:228 Resp: 62350

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

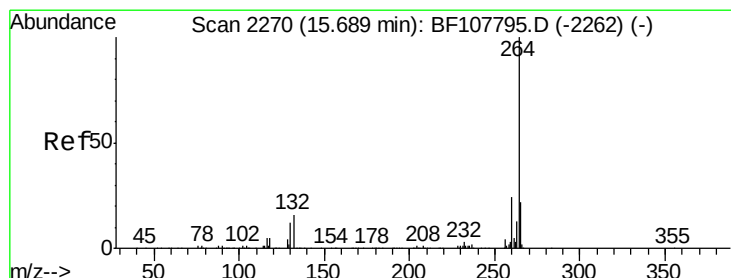
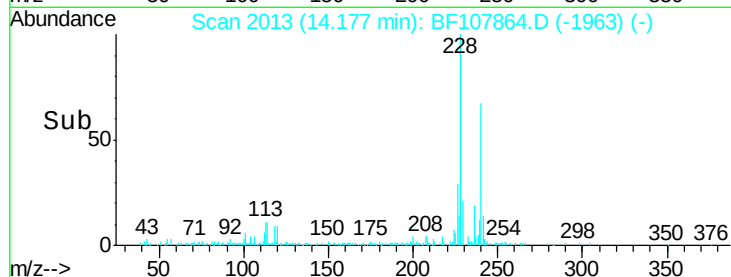
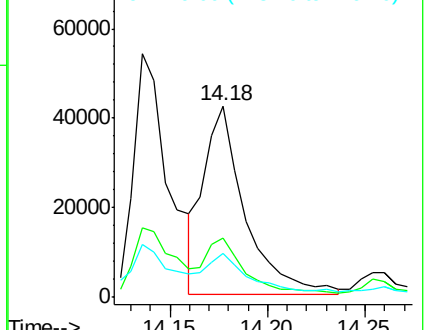
229 23.1 16.2 24.4



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. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

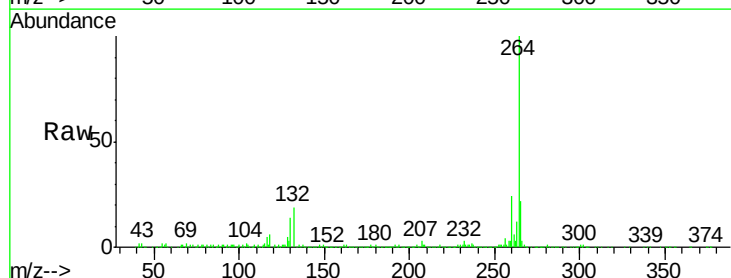
Tgt Ion:264 Resp: 443915

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

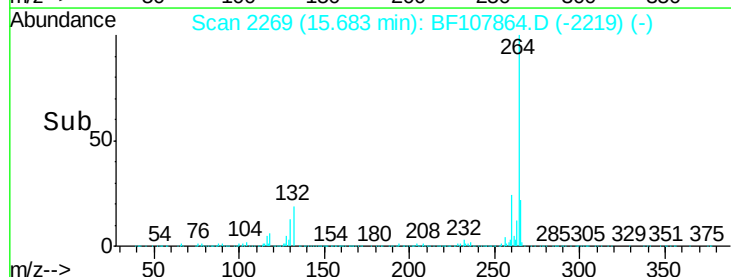
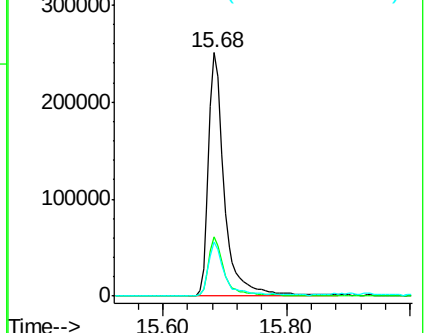
265 22.1 17.5 26.3

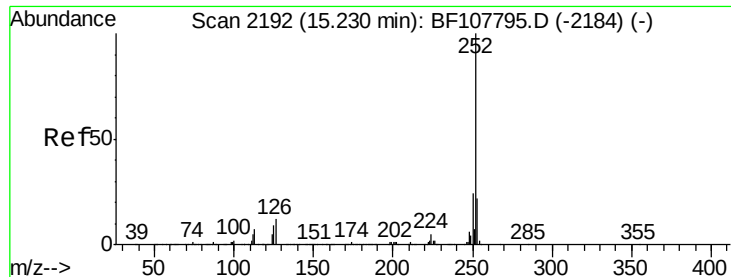


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.867 ng

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

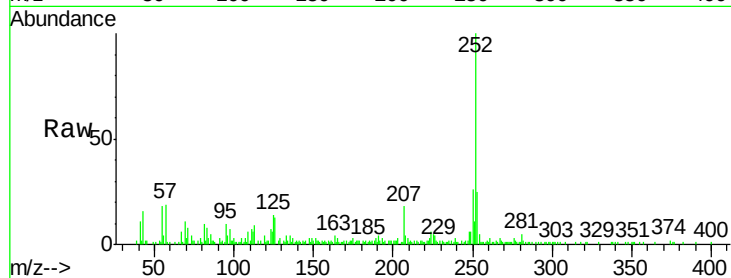
Tgt Ion:252 Resp: 106562

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

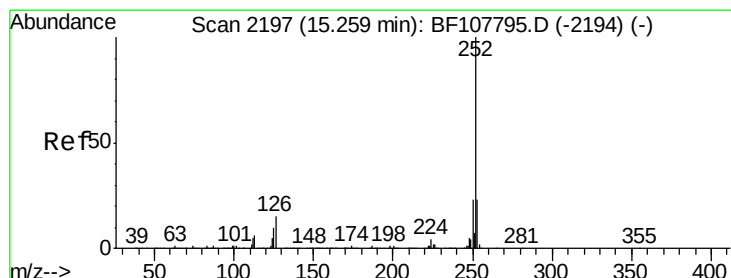
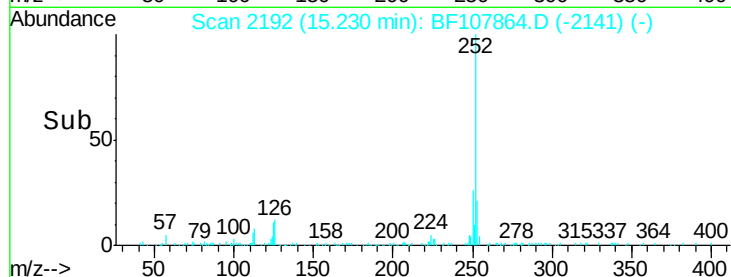
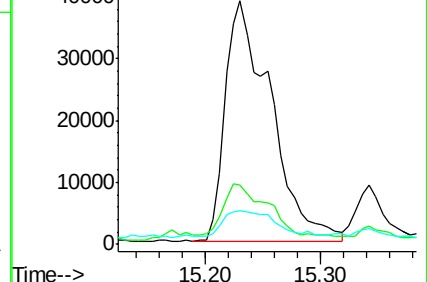
125 14.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.964 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

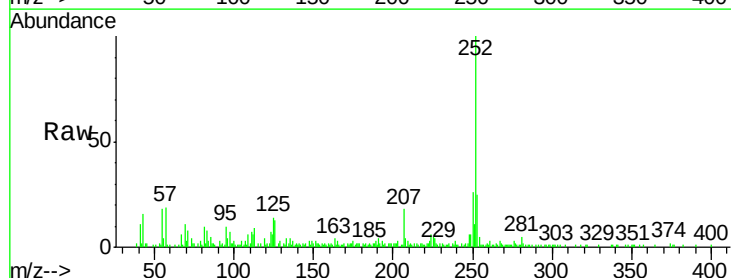
Tgt Ion:252 Resp: 106562

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

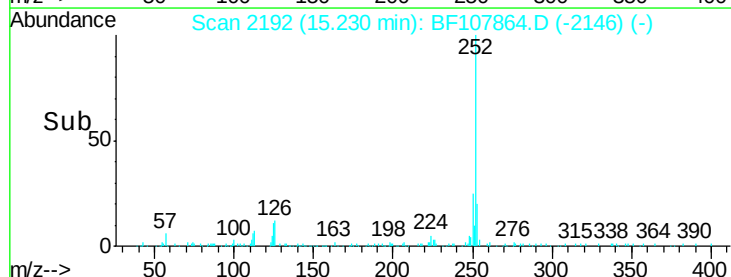
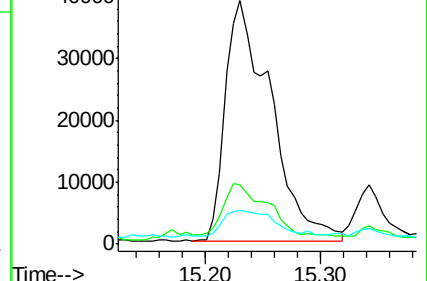
125 14.0 10.2 15.2

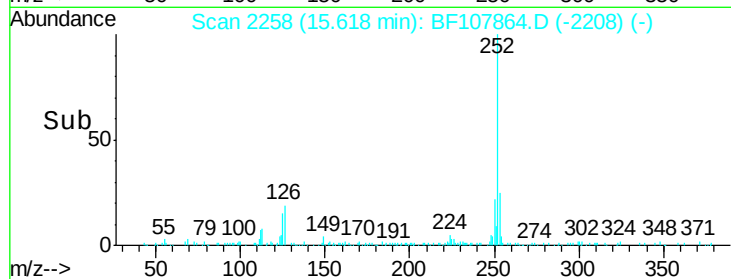
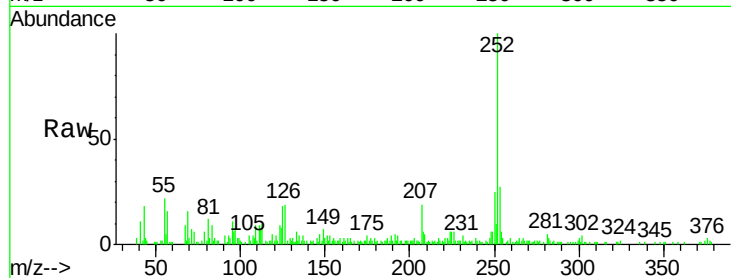
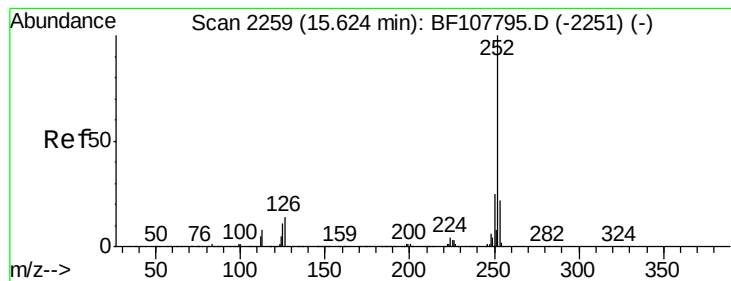


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.563 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF107864.D

Acq: 31 Jul 2018 21:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-010-A

Tgt Ion:252 Resp: 57924

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 18.1 9.8 14.6#

