

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107920.D
 Acq On : 2 Aug 2018 20:12
 Operator : JU/SJ
 Sample : J4285-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-1

Quant Time: Aug 03 00:56:09 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	127194	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	514240	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	186195	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	344520	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	359119	20.00	ng	-0.01
86) Perylene-d12	15.68	264	298371	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	750429	100.27	ng	0.00
7) Phenol-d6	6.60	99	943375	95.64	ng	0.00
23) Nitrobenzene-d5	7.52	82	589827	66.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	195988	77.47	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	880264	65.88	ng	-0.01
78) Terphenyl-d14	13.07	244	804958	48.60	ng	-0.01

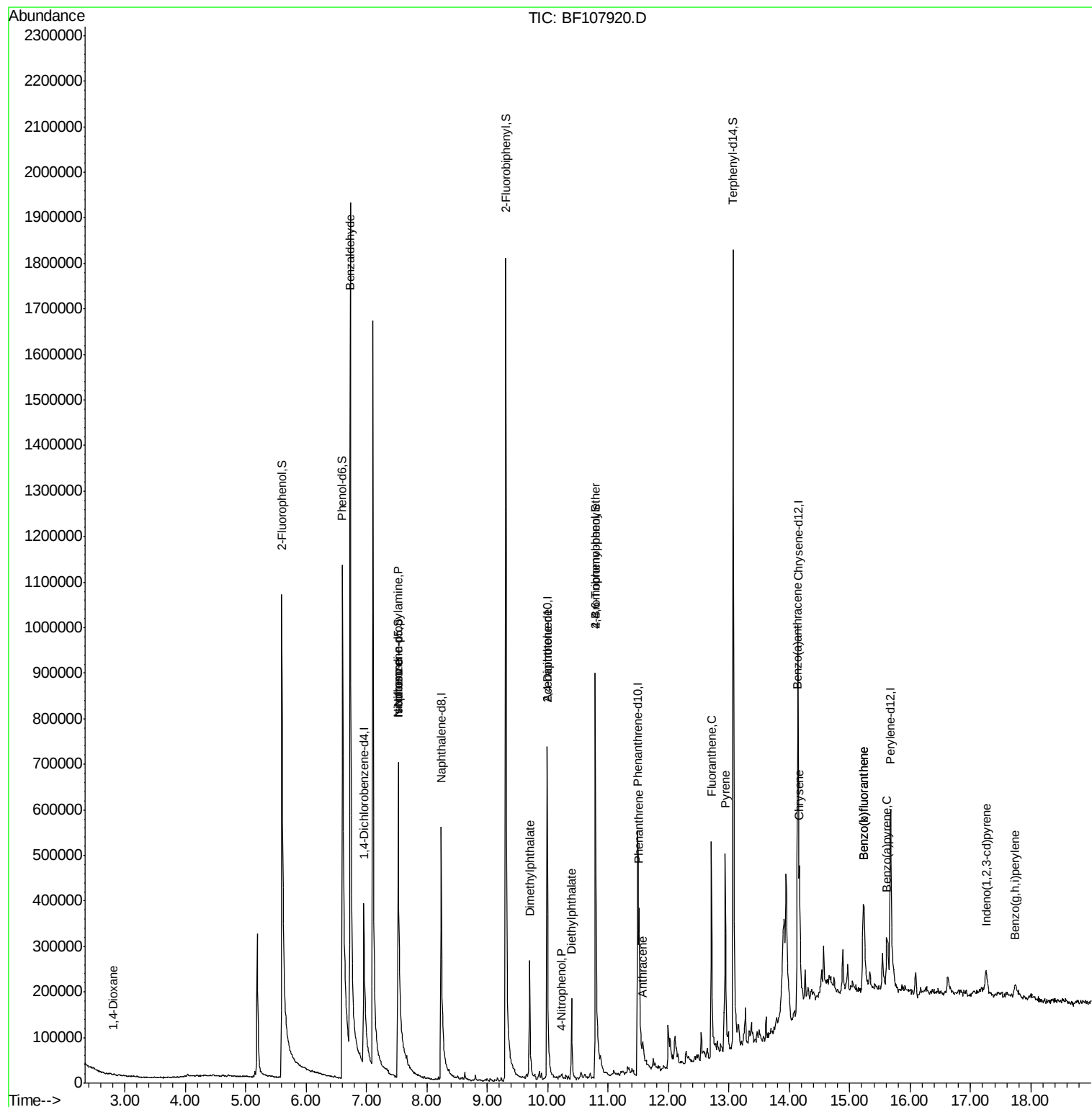
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.81	88	262	5.859	ng	# 1
9) Benzaldehyde	6.73	77	16283	2.736	ng	85
19) n-Nitroso-di-n-propylamine	7.52	70	69706	11.141	ng	# 79
25) Isophorone	7.52	82	589827	40.255	ng	# 64
49) Dimethylphthalate	9.70	163	152471	10.904	ng	99
55) 4-Nitrophenol	10.21	139	1950	10.269	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	23743	5.944	ng	# 24
59) Diethylphthalate	10.40	149	71276	4.741	ng	98
66) 4-Bromophenyl-phenylether	10.79	248	10520	2.620	ng	# 1
70) Phenanthrene	11.51	178	150600	9.206	ng	98
71) Anthracene	11.57	178	57415	3.043	ng	96
74) Fluoranthene	12.71	202	297030	15.455	ng	95
77) Pyrene	12.94	202	259180	10.023	ng	97
80) Benzo(a)anthracene	14.13	228	141030	6.933	ng	97
82) Chrysene	14.17	228	138339	6.305	ng	96
85) Indeno(1,2,3-cd)pyrene	17.26	276	45822	2.746	ng	# 81
87) Benzo(b)fluoranthene	15.22	252	175903	11.953	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	175903	9.736	ng	98
89) Benzo(a)pyrene	15.61	252	91002	5.990	ng	96
91) Benzo(g,h,i)perylene	17.74	276	39257	3.062	ng	93

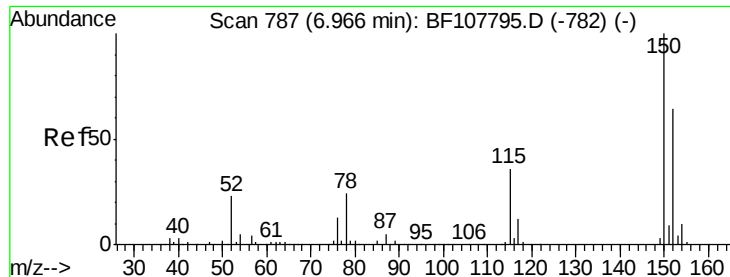
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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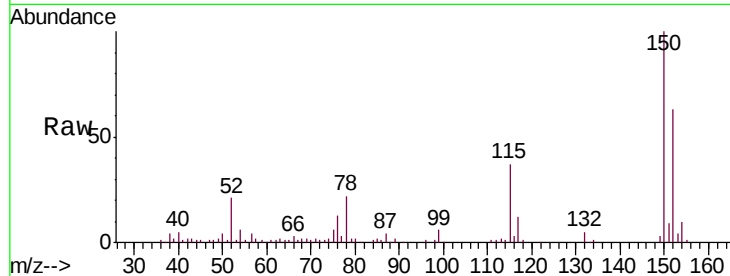


#1

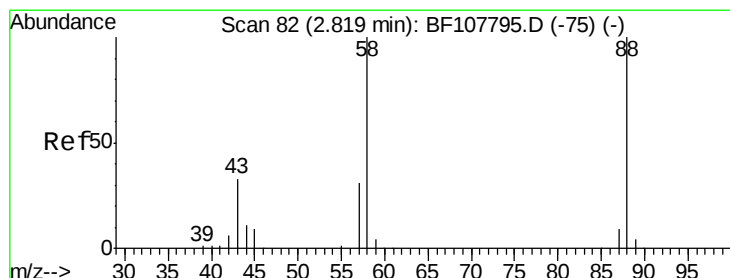
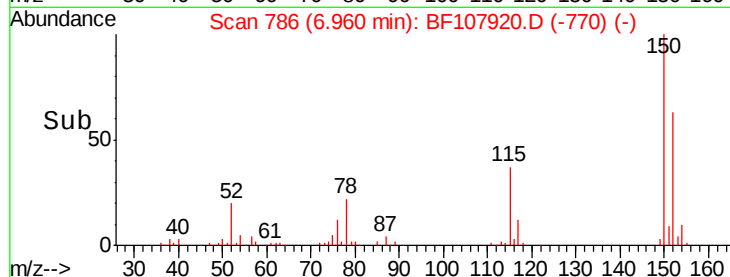
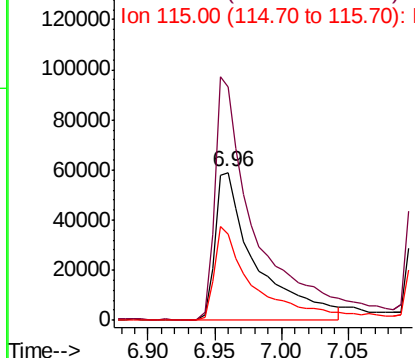
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Instrument :
BNA_F
ClientSampleId :
KG-PIT-1

Tgt Ion:152 Resp: 127194
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 58.5 50.1 75.1



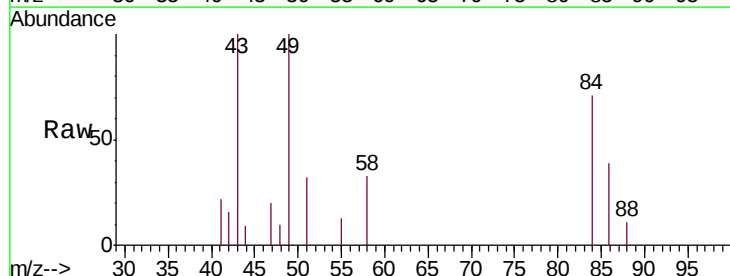
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



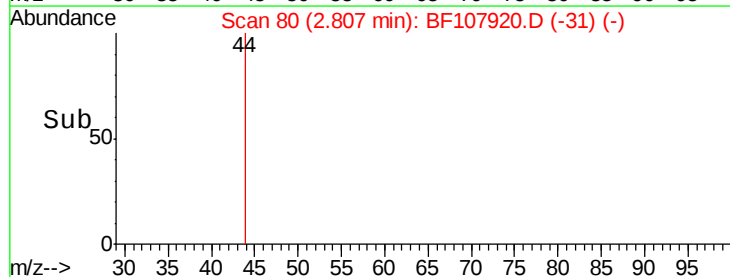
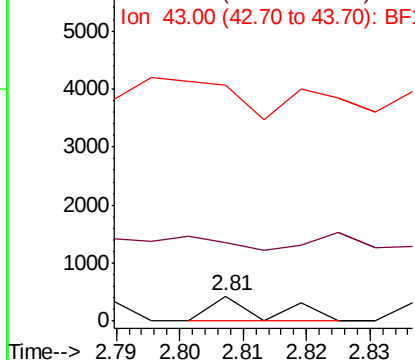
#2

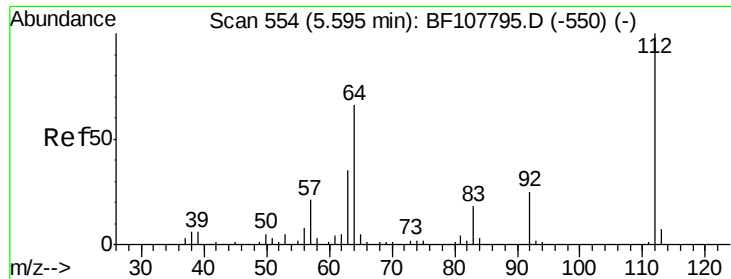
1,4-Dioxane
Concen: 5.859 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Tgt Ion: 88 Resp: 262
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 378.2 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: 100.271 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

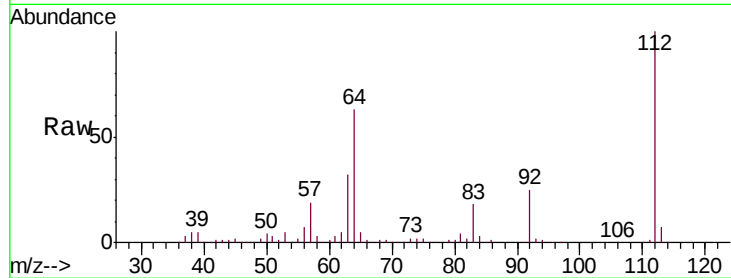
Tgt Ion:112 Resp: 750429

Ion Ratio Lower Upper

112 100

64 62.7 47.9 71.9

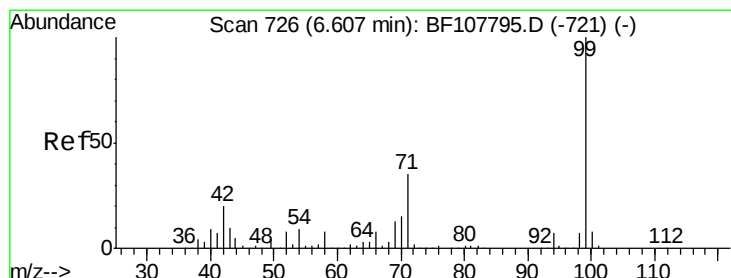
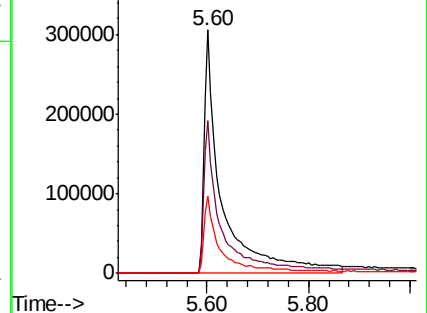
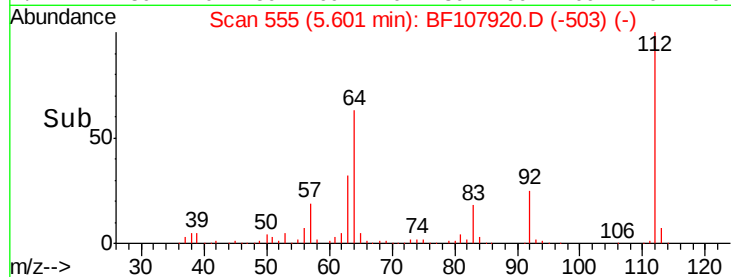
63 31.9 23.7 35.5



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: 95.643 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

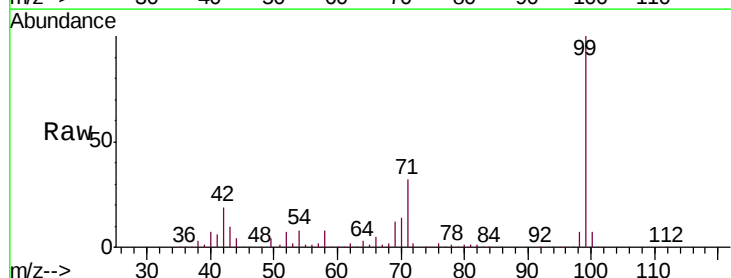
Tgt Ion: 99 Resp: 943375

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

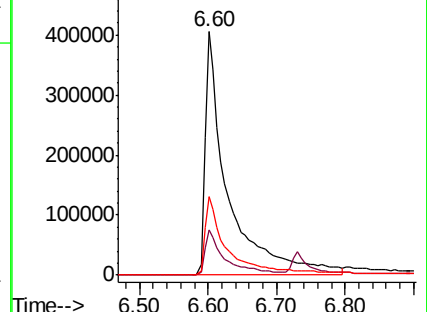
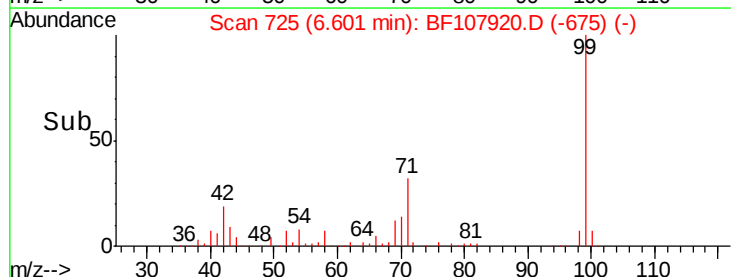
71 32.3 25.4 38.0

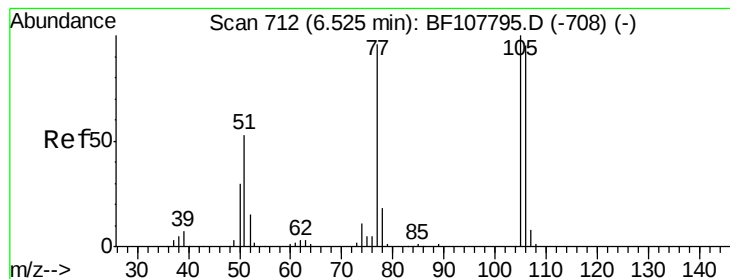


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.736 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

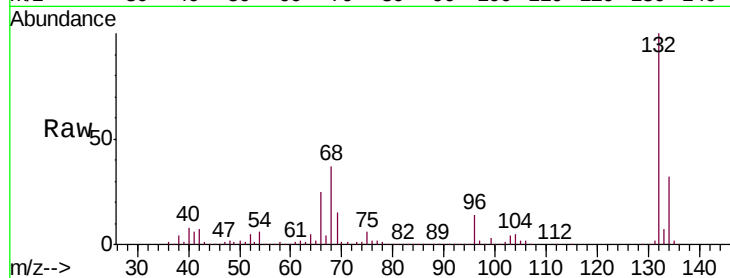
Tgt Ion: 77 Resp: 16283

Ion Ratio Lower Upper

77 100

105 87.3 81.1 121.1

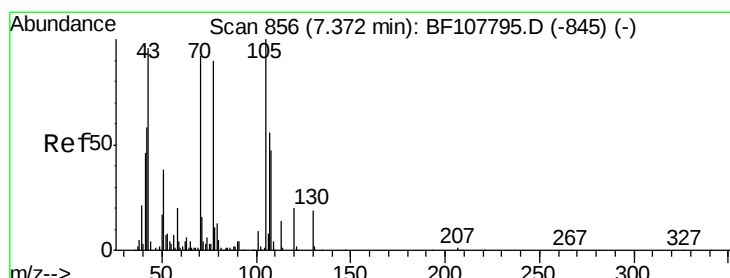
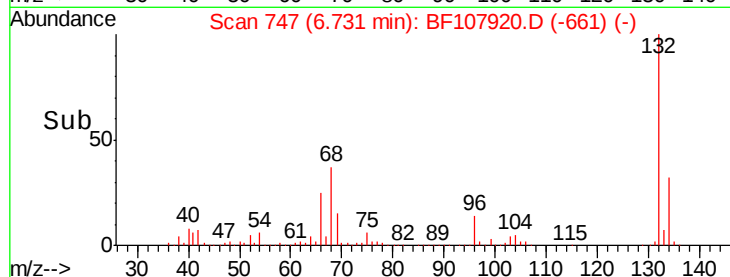
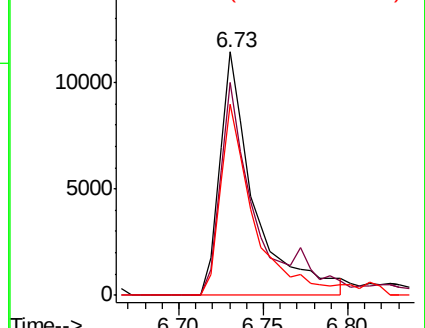
106 78.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 11.141 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Tgt Ion: 70 Resp: 69706

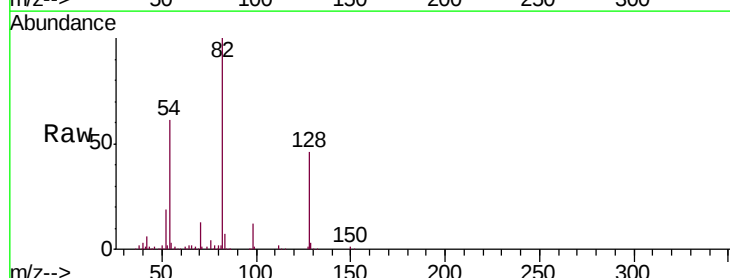
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

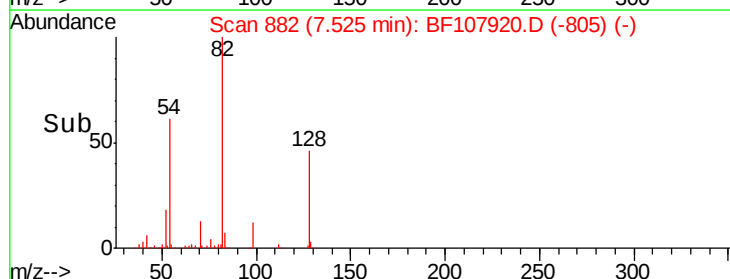
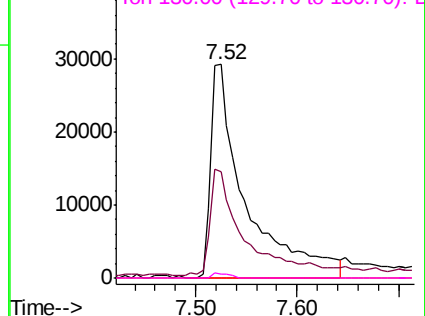


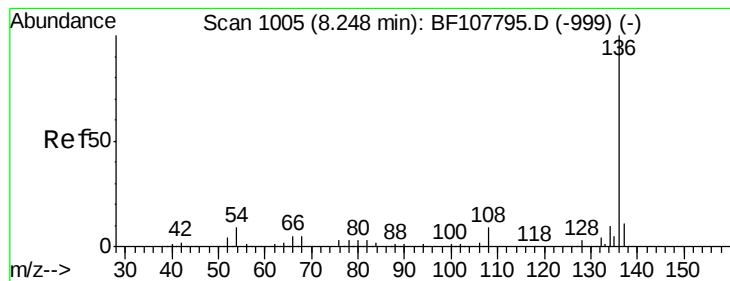
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

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KG-PIT-1

Tgt Ion:136 Resp: 514240

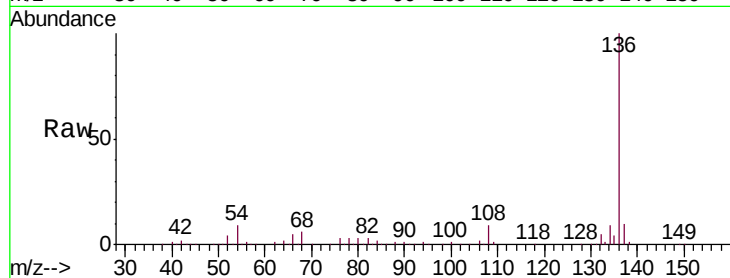
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.0 6.6 9.8

68 5.6 5.0 7.4

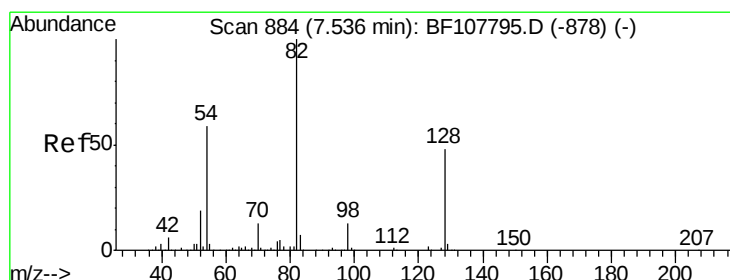
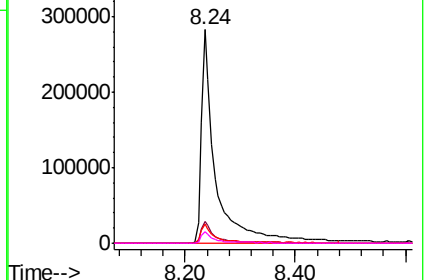
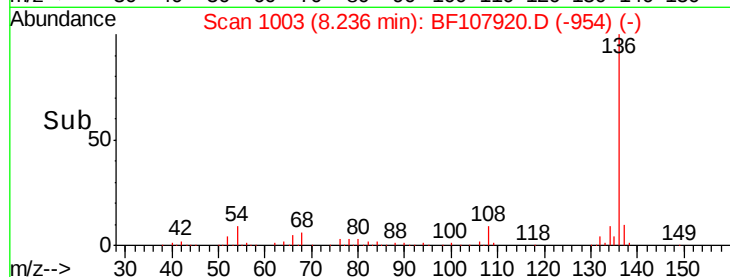


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.078 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

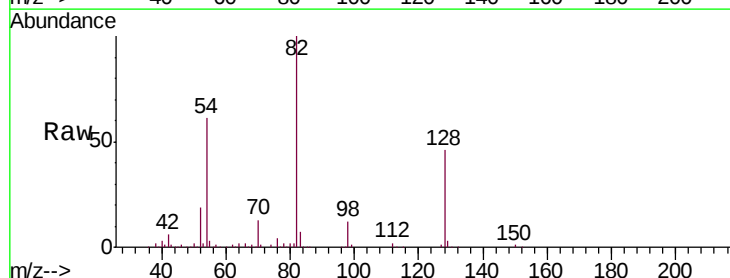
Tgt Ion: 82 Resp: 589827

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

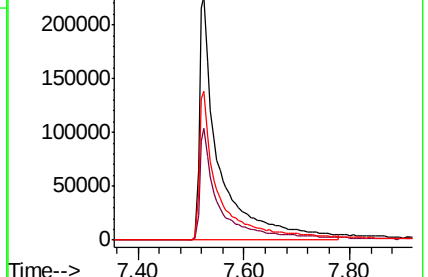
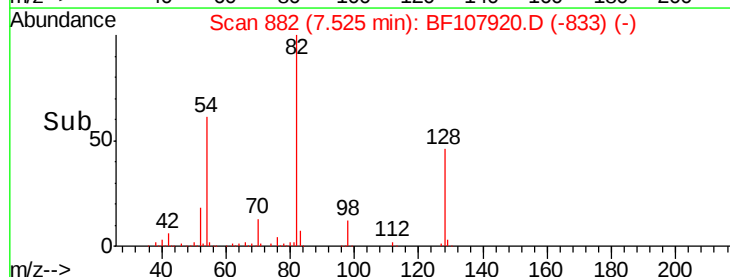
54 61.2 41.4 62.2

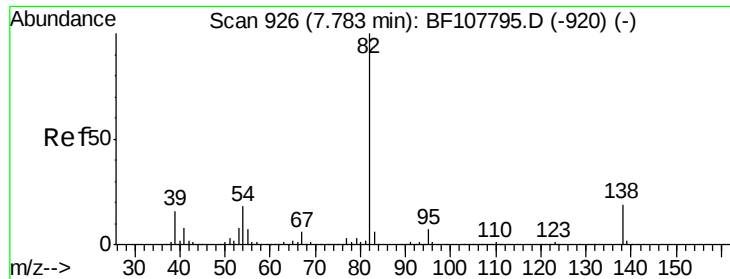


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.255 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

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ClientSampleId :

KG-PIT-1

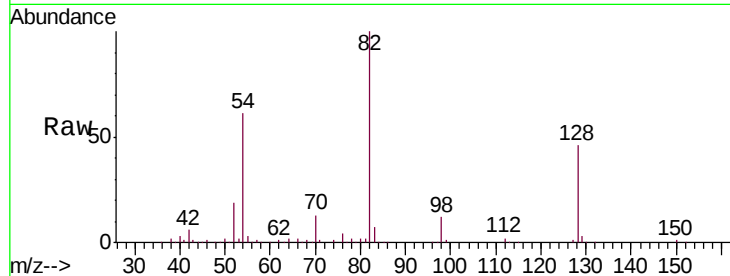
Tgt Ion: 82 Resp: 589827

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

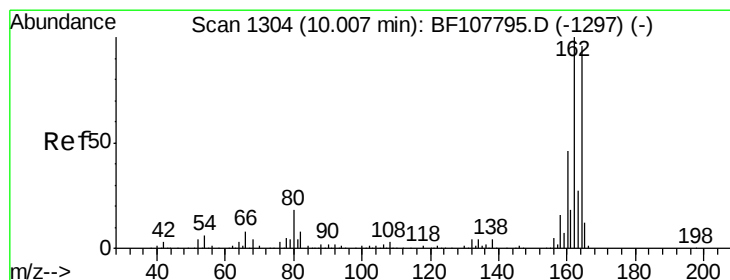
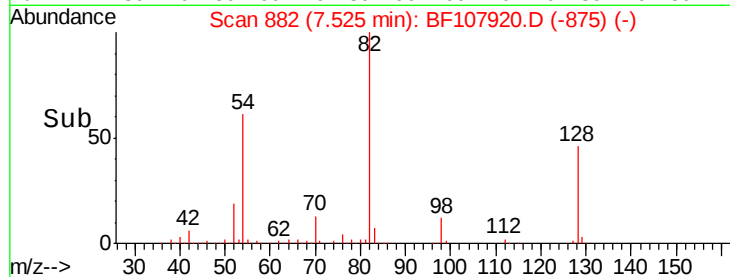
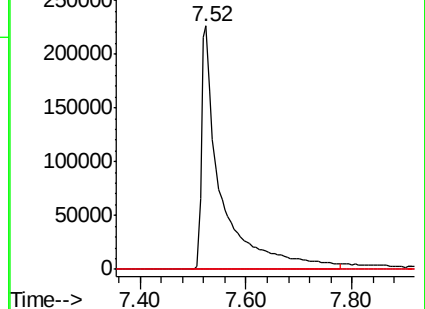
138 0.0 14.9 22.3#



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# 1302

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

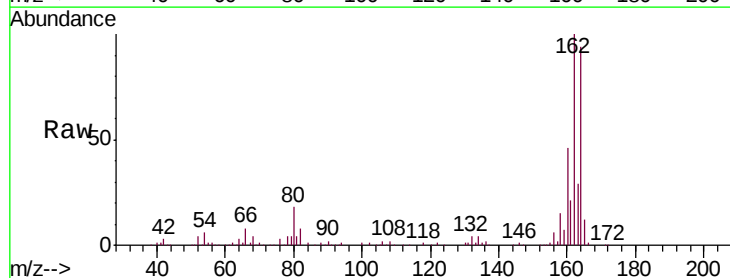
Tgt Ion: 164 Resp: 186195

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

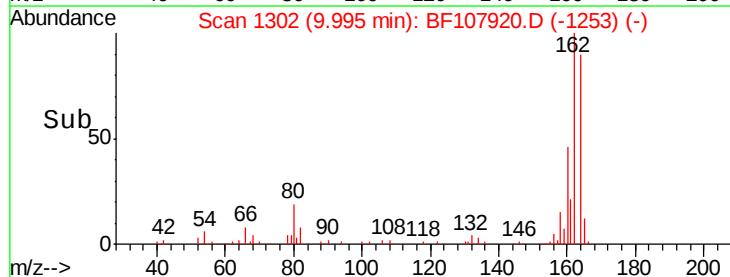
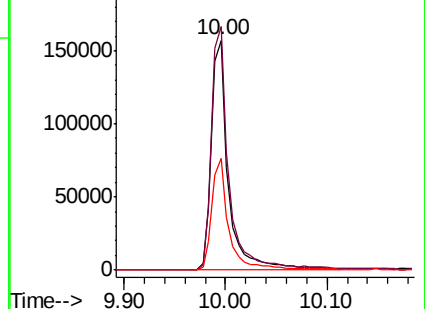
160 48.5 38.3 57.5

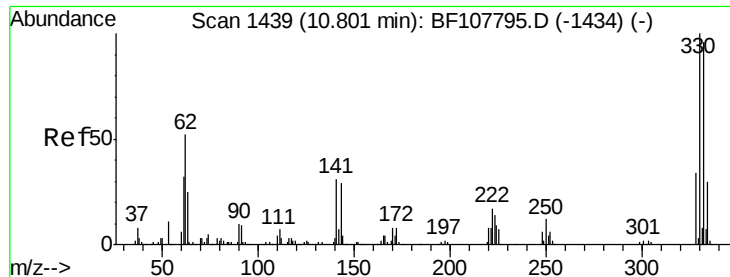


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

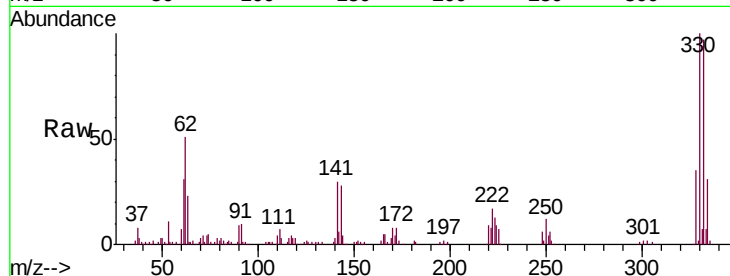




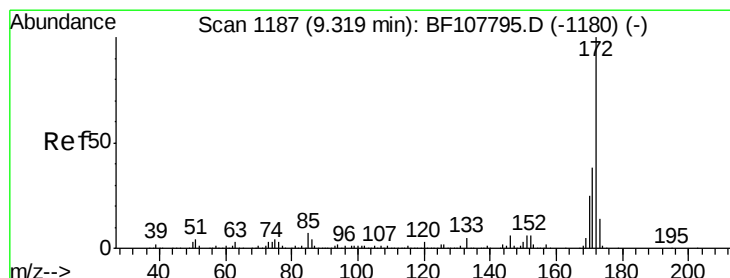
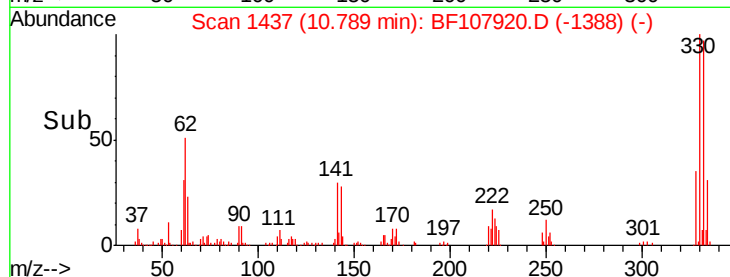
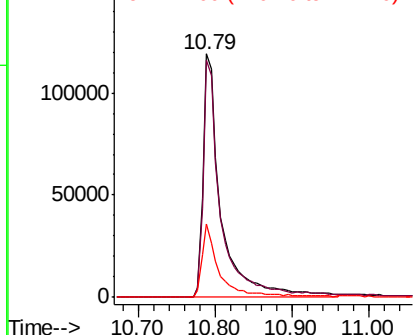
#41
 2,4,6-Tribromophenol
 Concen: 77.465 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-1

Tgt Ion:330 Resp: 195988
 Ion Ratio Lower Upper
 330 100
 332 92.4 77.0 115.6
 141 29.5 29.9 44.9#

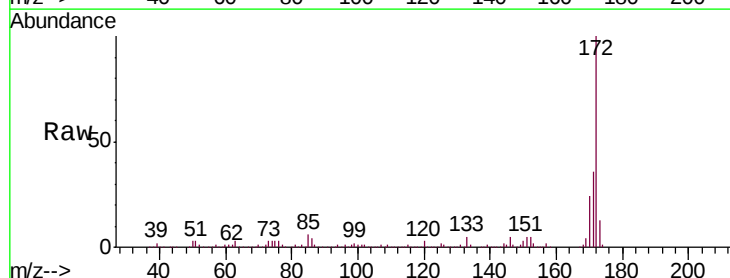


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

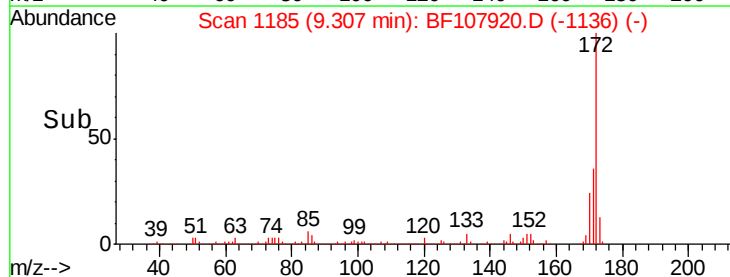
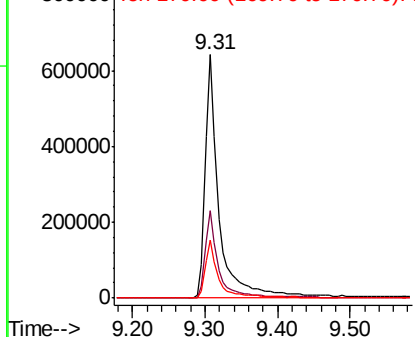


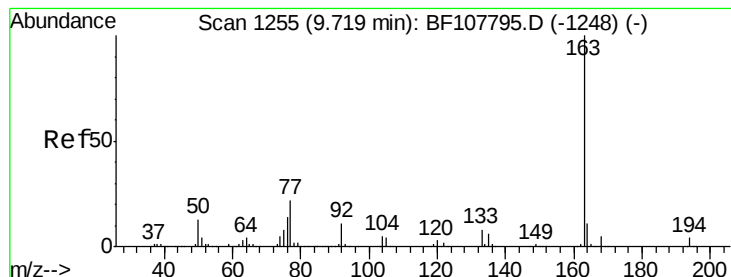
#44
 2-Fluorobiphenyl
 Concen: 65.879 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

Tgt Ion:172 Resp: 880264
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 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: 10.904 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

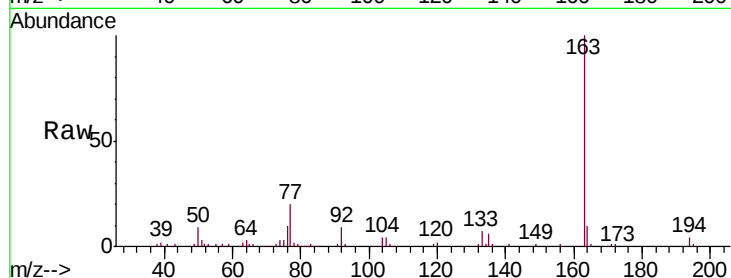
Tgt Ion:163 Resp: 152471

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

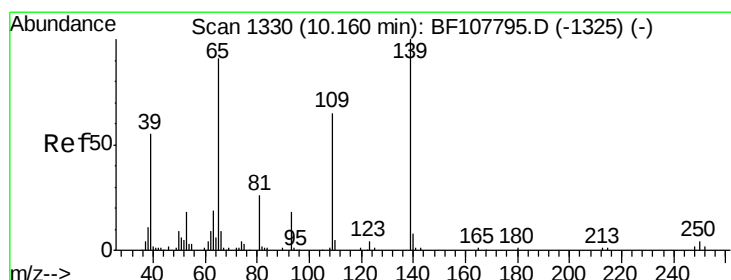
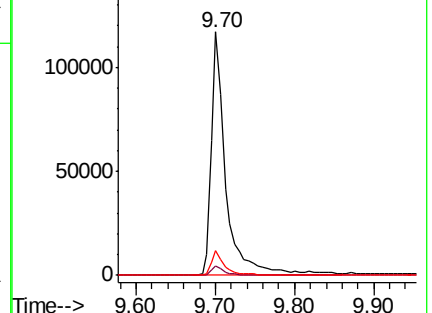
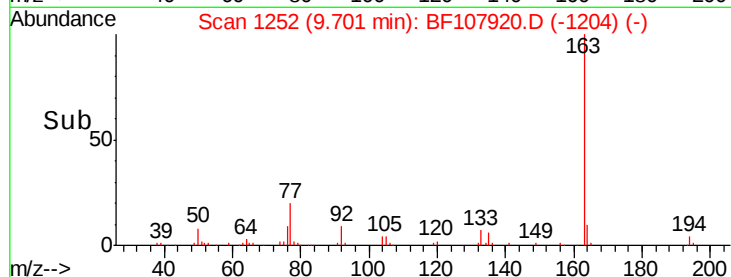
164 10.3 8.2 12.2



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



#55

4-Nitrophenol

Concen: 10.269 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.05 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

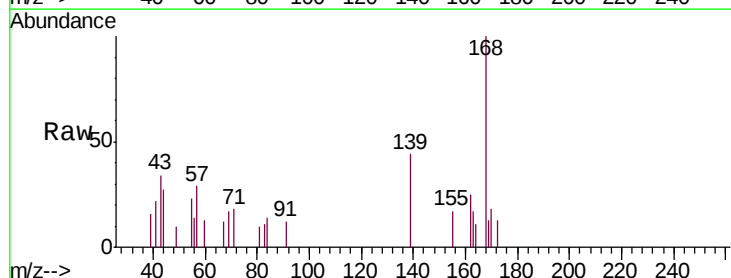
Tgt Ion:139 Resp: 1950

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

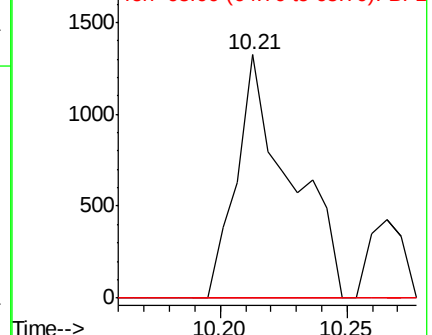
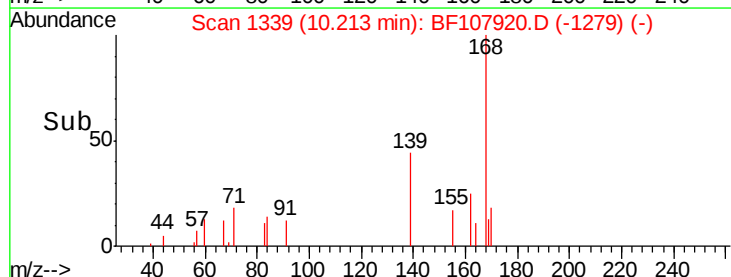
65 0.0 72.6 112.6#

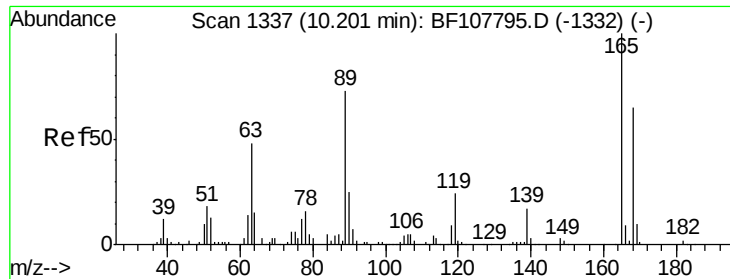


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

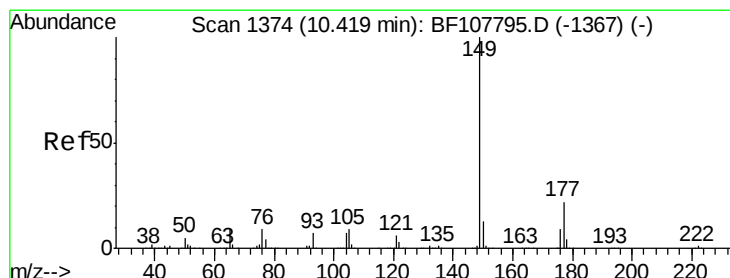
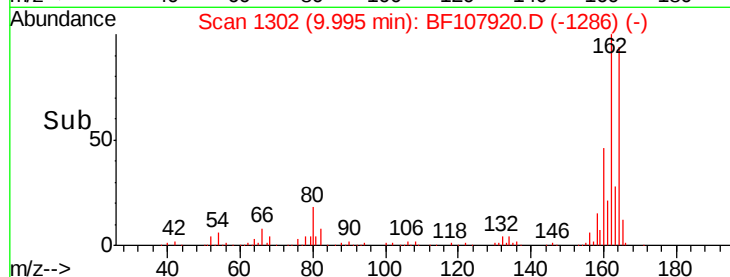
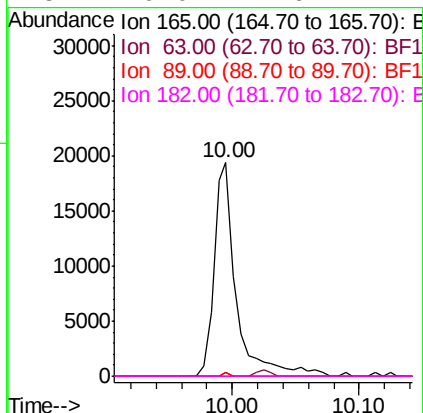
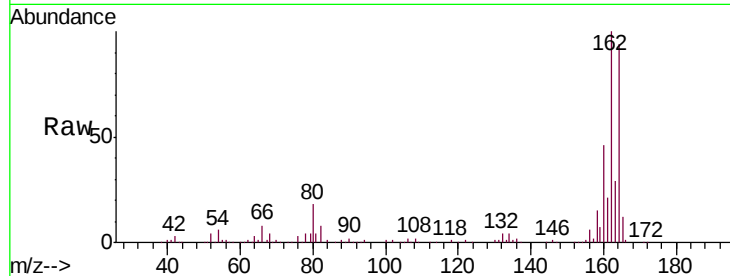




#56
2,4-Dinitrotoluene
Concen: 5.944 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

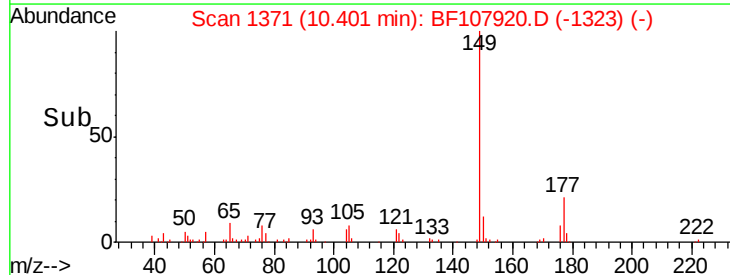
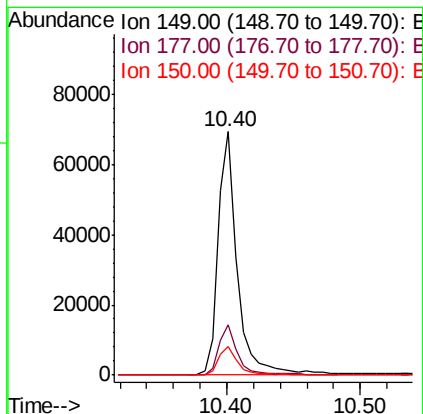
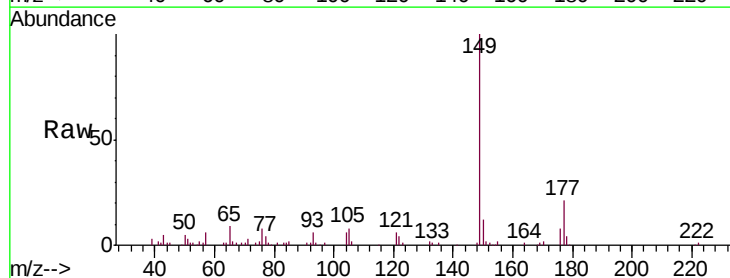
Instrument :
BNA_F
ClientSampleId :
KG-PIT-1

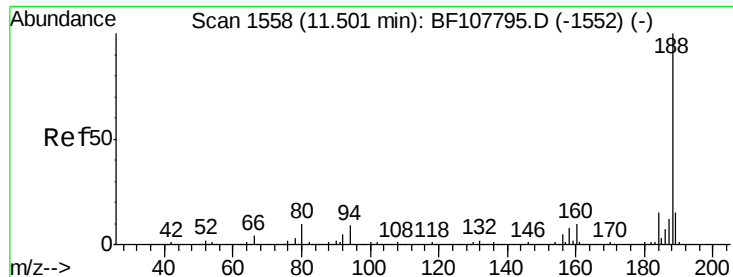
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#59
Diethylphthalate
Concen: 4.741 ng
RT: 10.40 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Tgt Ion	Resp	Lower	Upper
149	100		
177	20.7	16.1	24.1
150	11.8	10.1	15.1

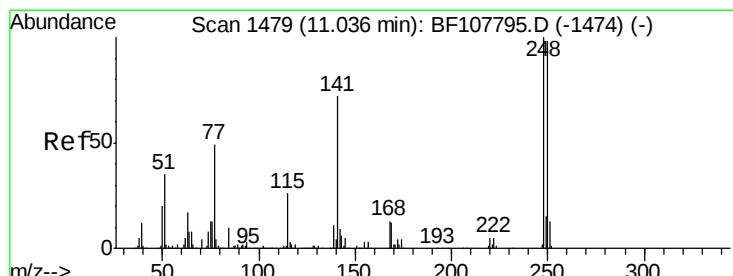
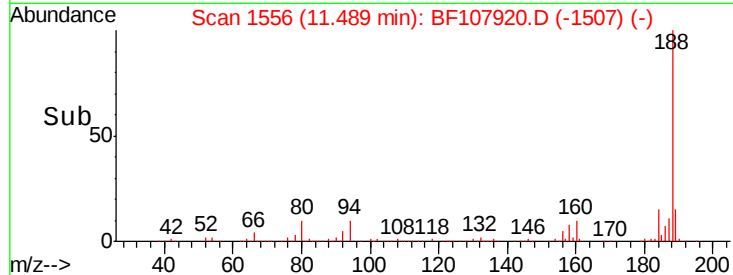
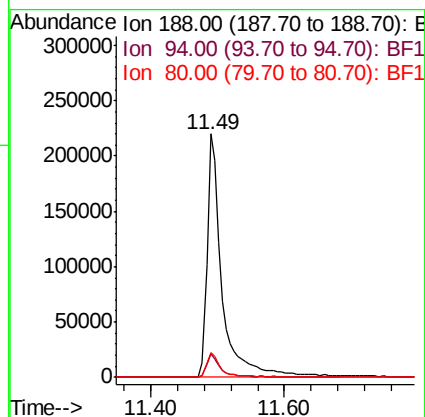
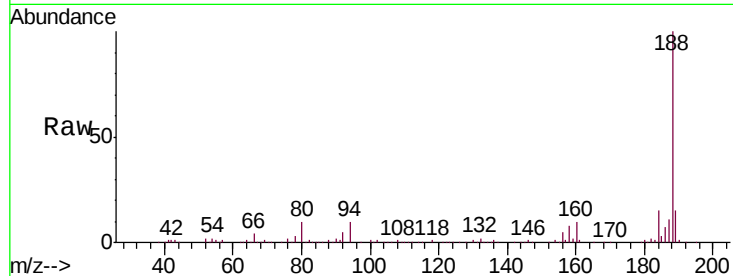




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

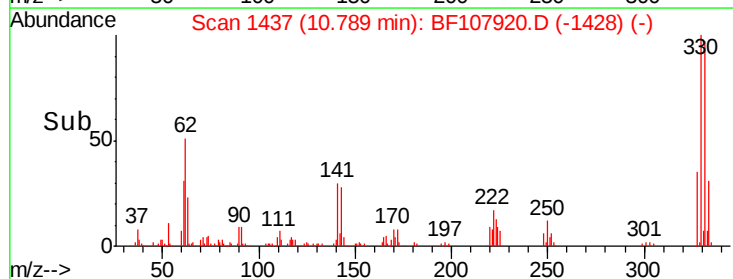
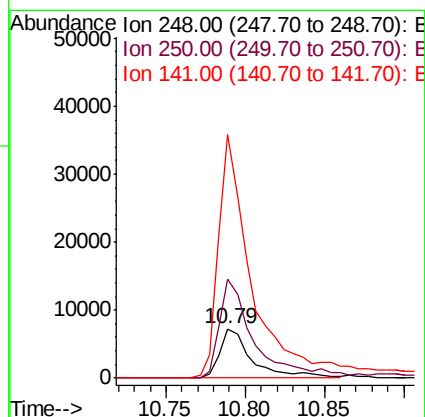
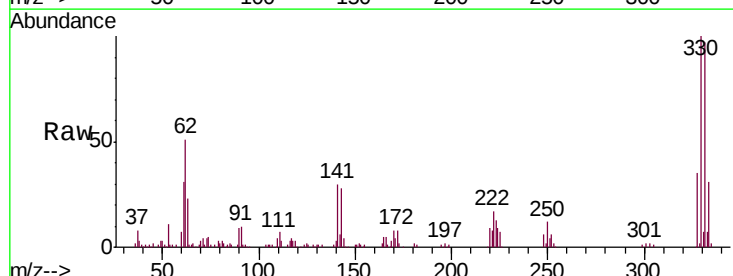
Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-1

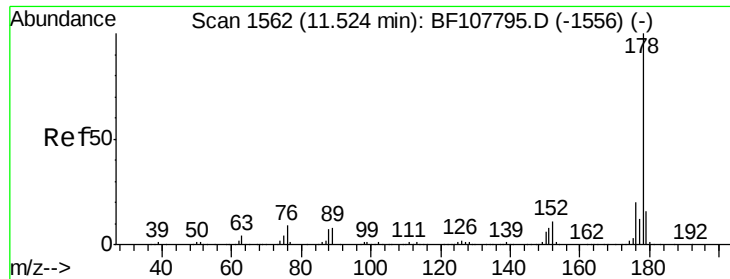
Tgt Ion:188 Resp: 344520
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.2 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.620 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

Tgt Ion:248 Resp: 10520
 Ion Ratio Lower Upper
 248 100
 250 201.2 76.9 115.3#
 141 494.7 74.4 111.6#

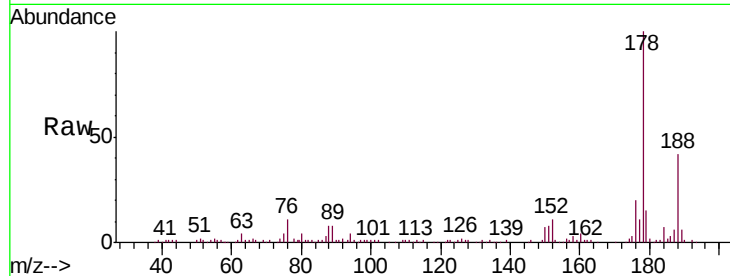




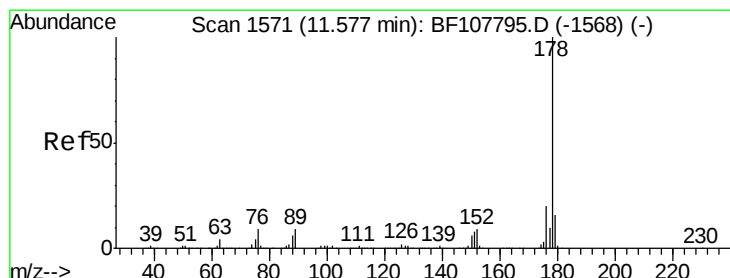
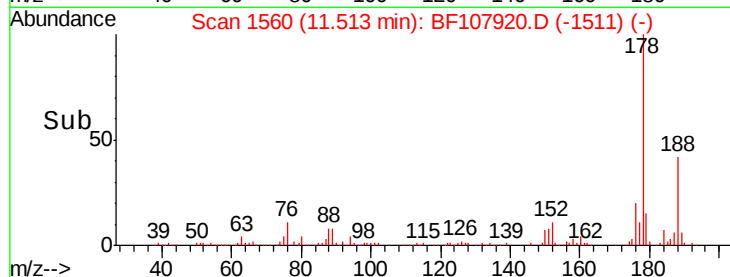
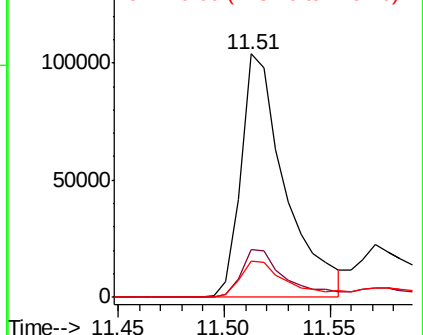
#70
Phenanthrene
Concen: 9.206 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Instrument :
BNA_F
ClientSampleId :
KG-PIT-1

Tgt Ion:178 Resp: 150600
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 13.0 19.6

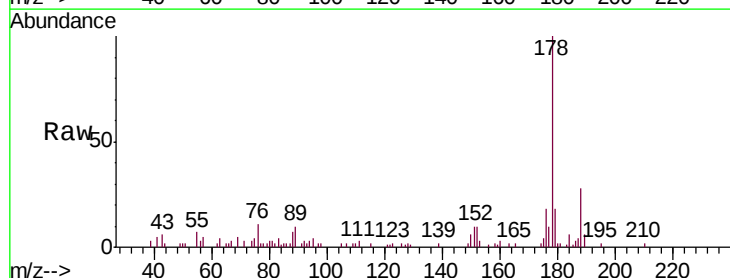


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

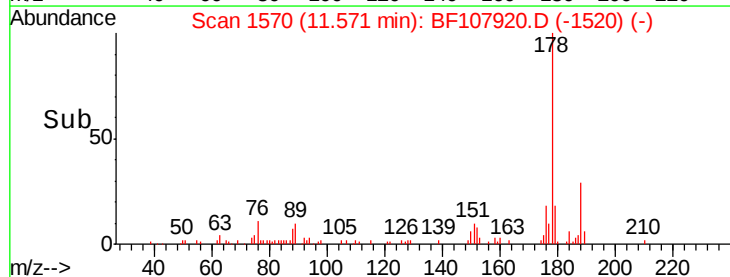
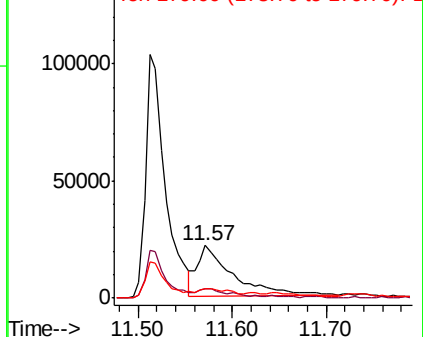


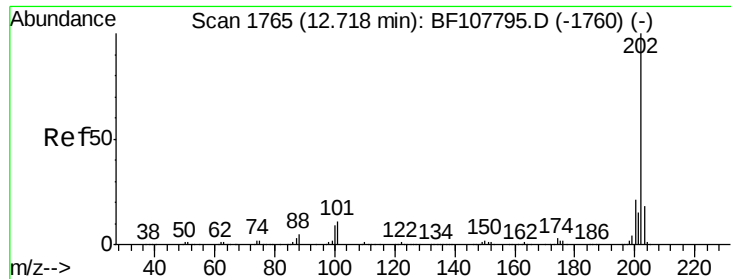
#71
Anthracene
Concen: 3.043 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Tgt Ion:178 Resp: 57415
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 17.7 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: 15.455 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

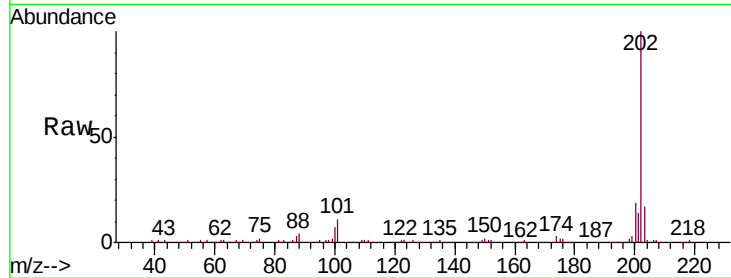
Tgt Ion:202 Resp: 297030

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

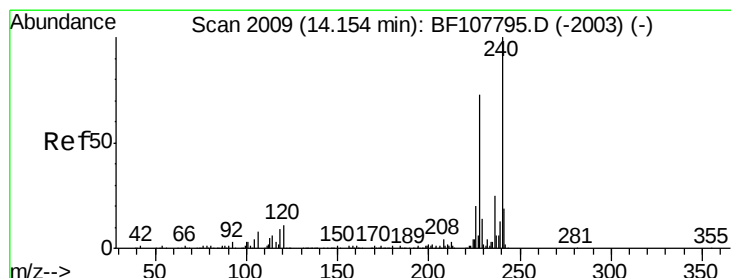
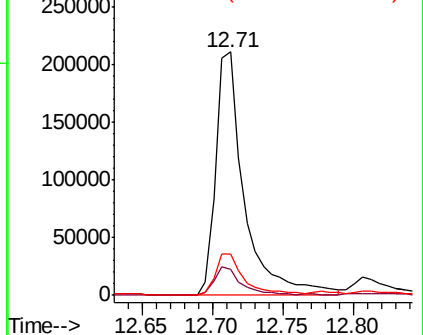
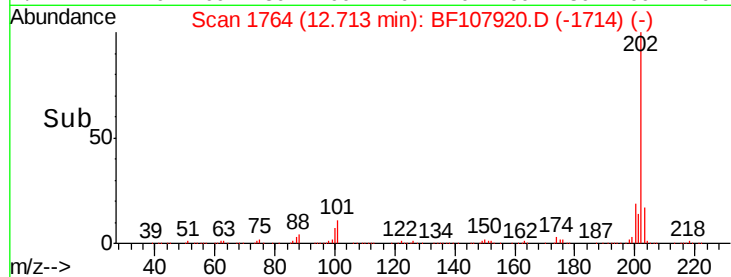
203 17.1 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

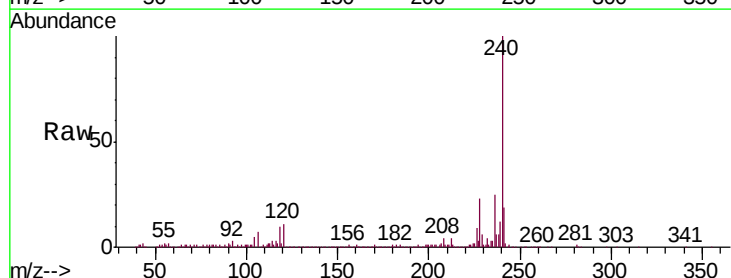
Tgt Ion:240 Resp: 359119

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

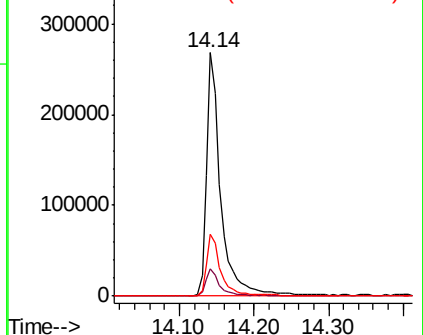
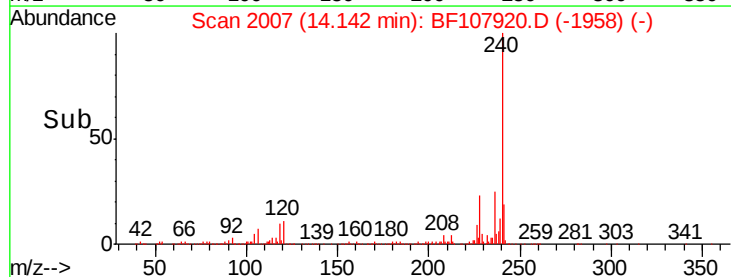
236 25.2 20.7 31.1

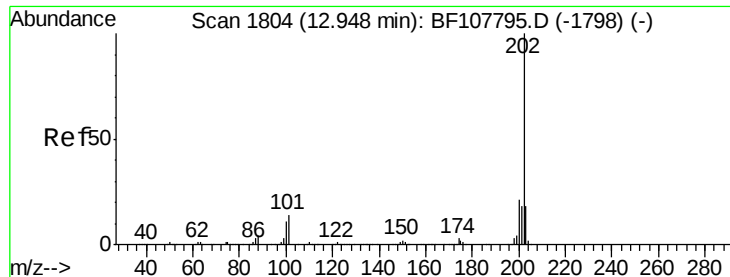


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

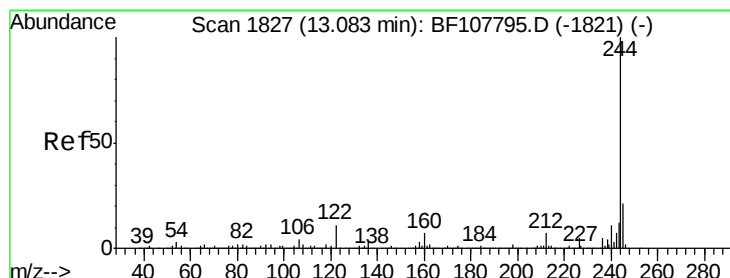
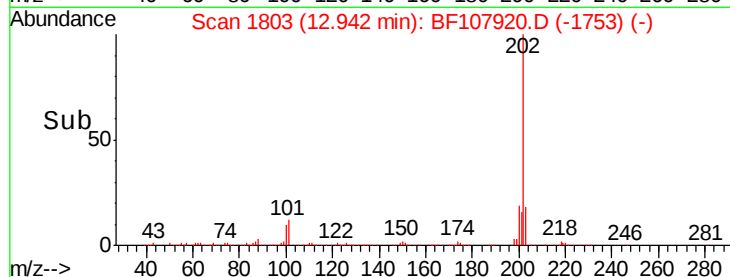
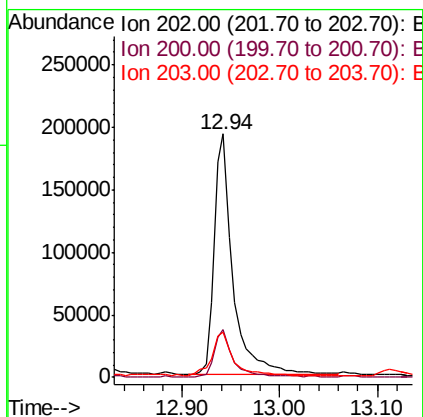
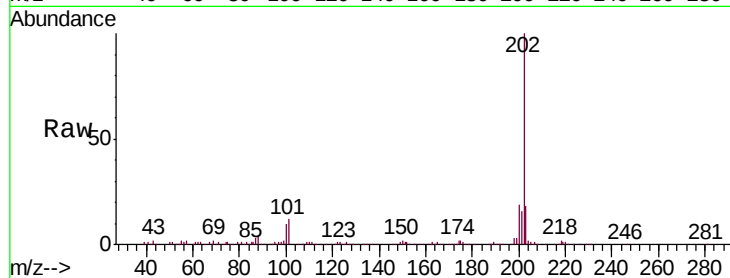




#77
 Pyrene
 Concen: 10.023 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

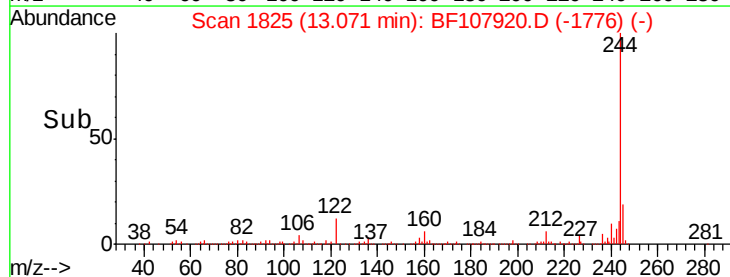
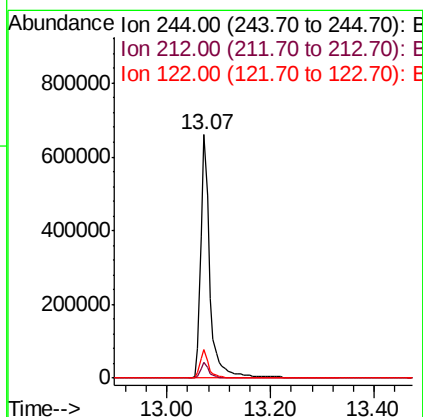
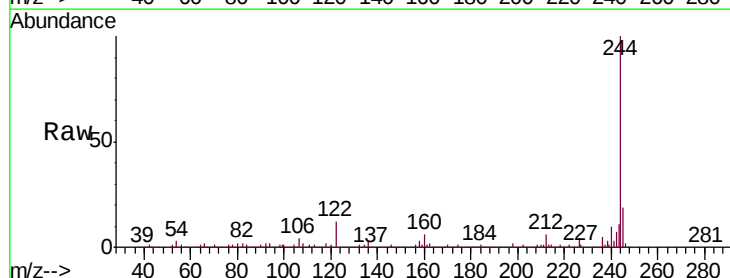
Instrument :
 BNA_F
 ClientSampled :
 KG-PIT-1

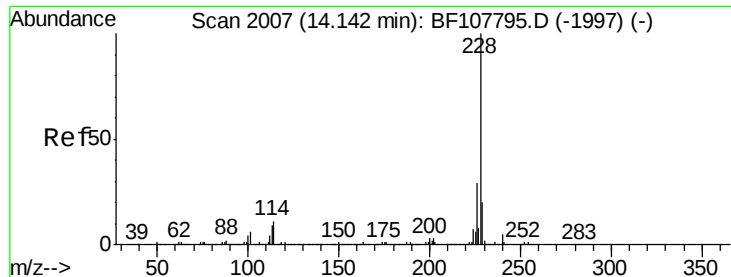
Tgt Ion:202 Resp: 259180
 Ion Ratio Lower Upper
 202 100
 200 19.4 17.4 26.2
 203 18.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 48.605 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

Tgt Ion:244 Resp: 804958
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.5 11.0 16.4





#80

Benzo(a)anthracene

Concen: 6.933 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

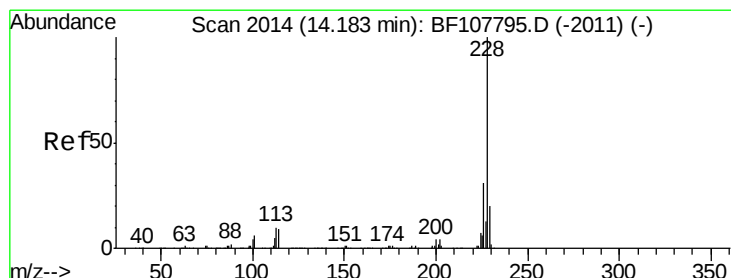
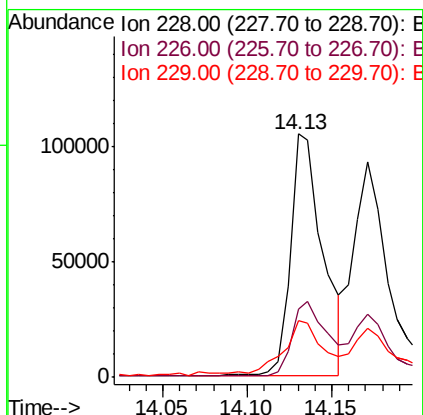
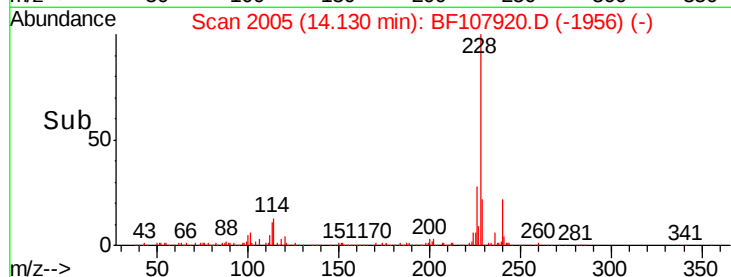
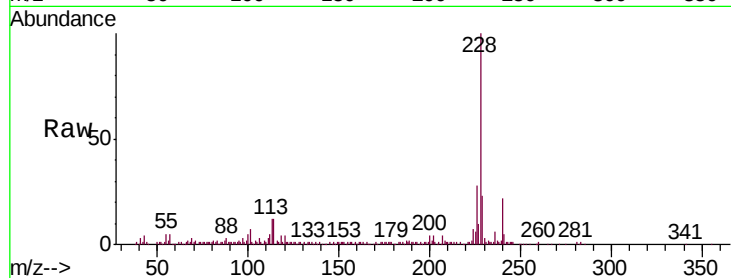
Tgt Ion:228 Resp: 141030

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

229 23.2 15.8 23.6



#82

Chrysene

Concen: 6.305 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

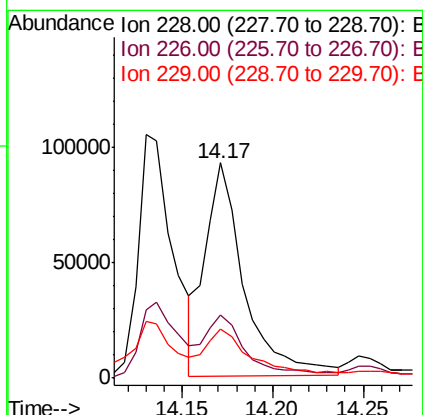
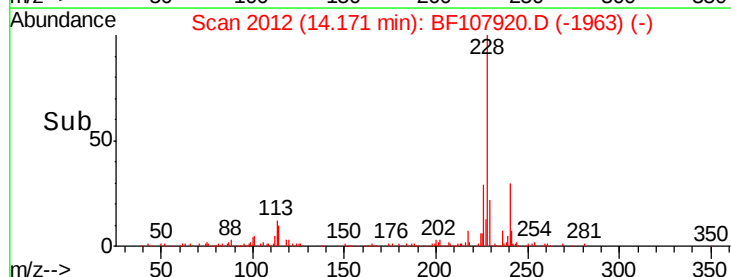
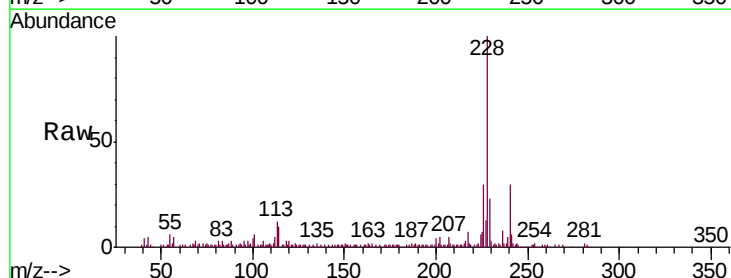
Tgt Ion:228 Resp: 138339

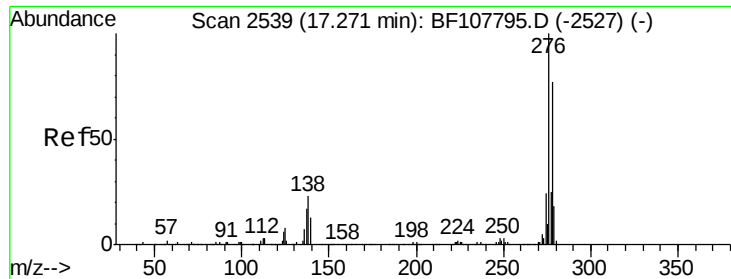
Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 22.6 16.2 24.4

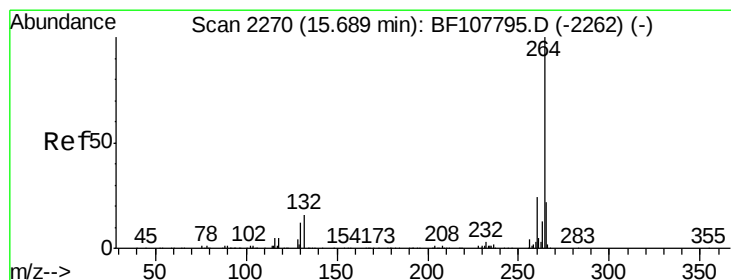
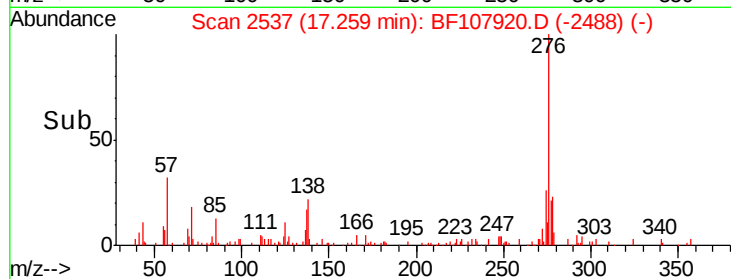
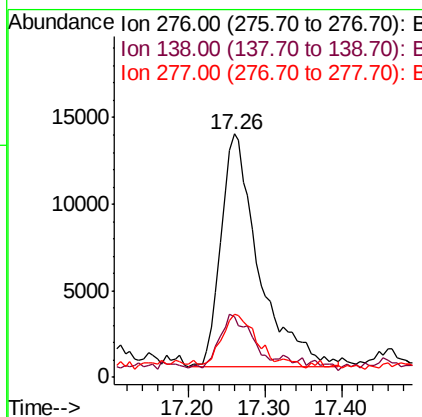
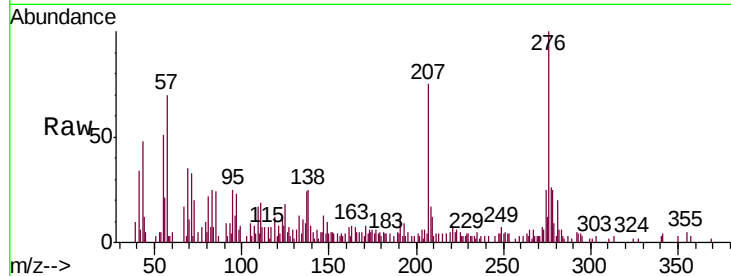




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.746 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

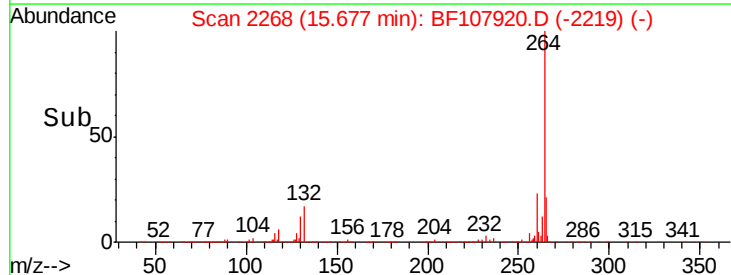
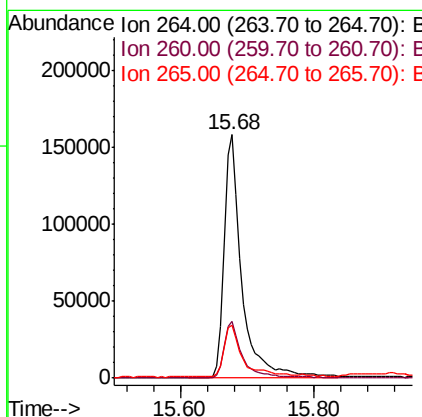
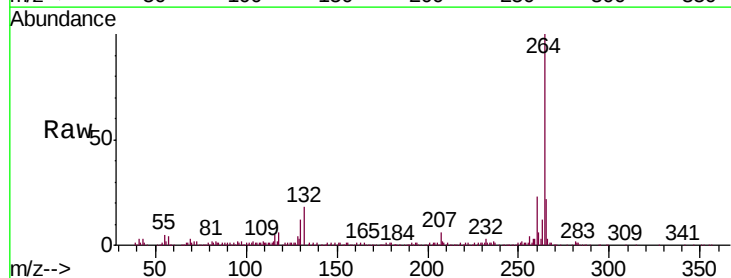
Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-1

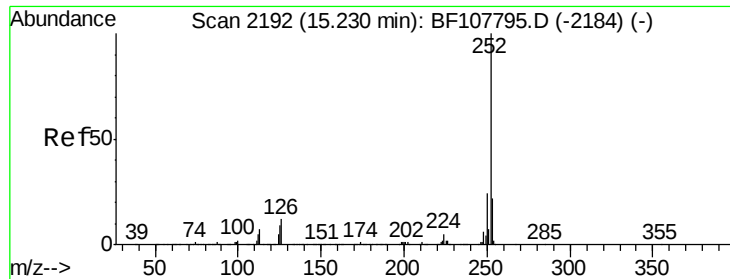
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	17.9	20.1	30.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF107920.D
 Acq: 2 Aug 2018 20:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3

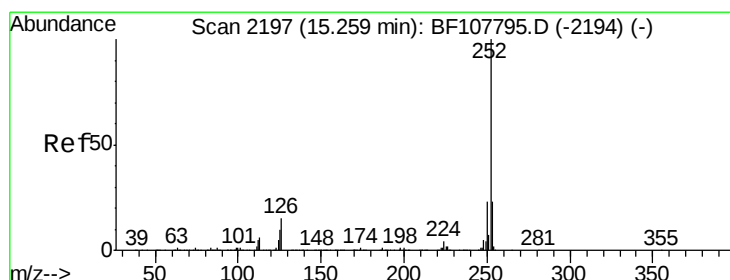
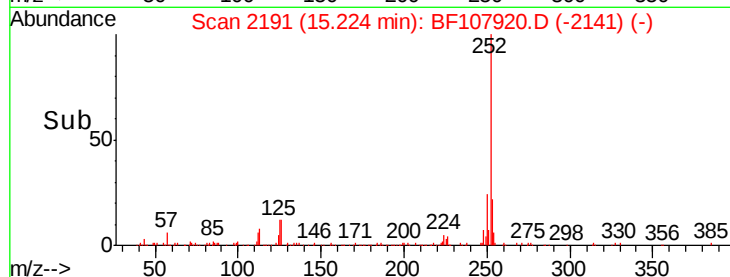
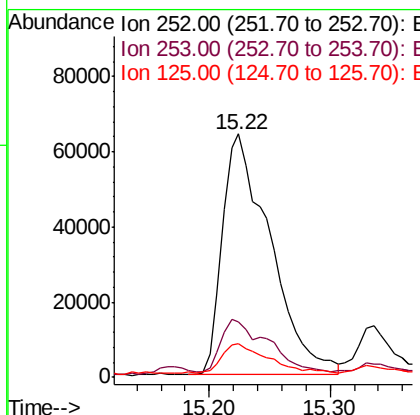
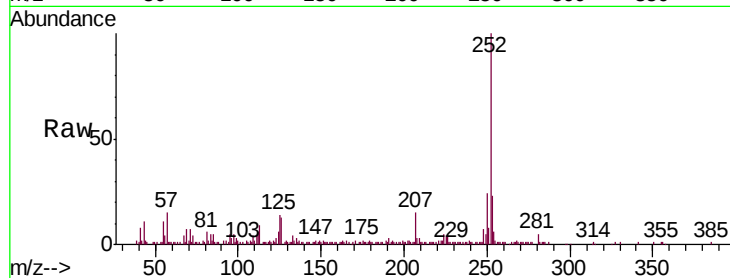




#87
Benzo(b)fluoranthene
Concen: 11.953 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

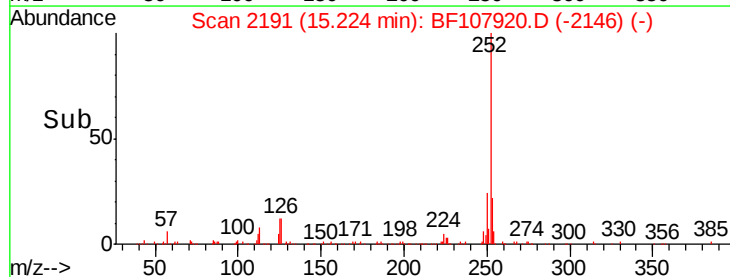
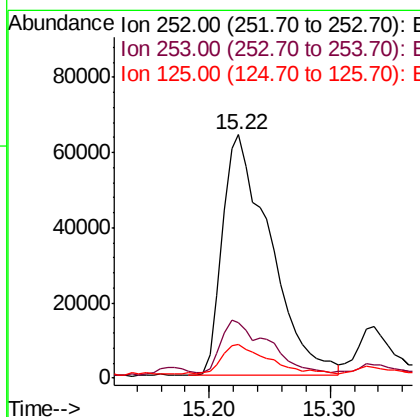
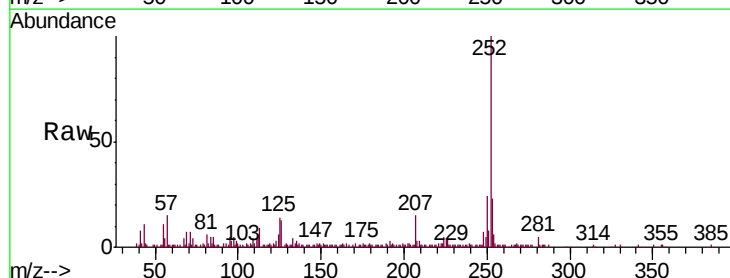
Instrument :
BNA_F
ClientSampleId :
KG-PIT-1

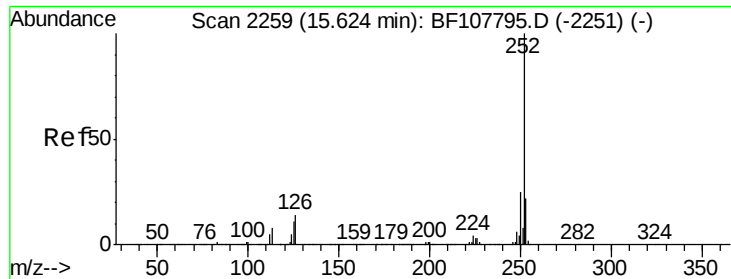
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.1	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 9.736 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107920.D
Acq: 2 Aug 2018 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	14.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 5.990 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Instrument :

BNA_F

ClientSampleId :

KG-PIT-1

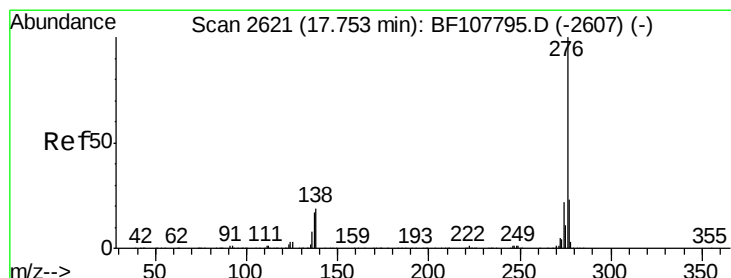
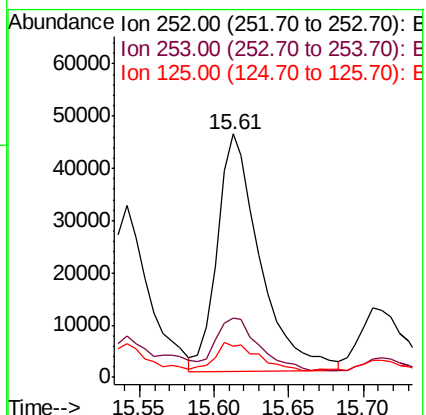
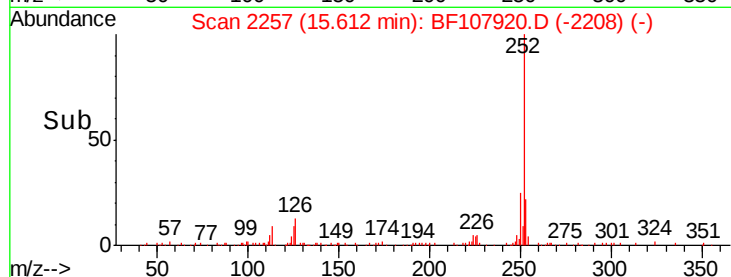
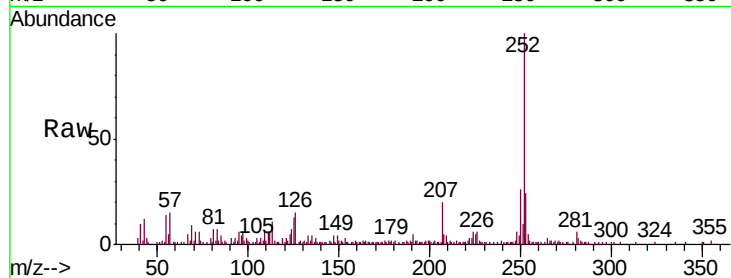
Tgt Ion:252 Resp: 91002

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 12.9 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 3.062 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.02 min

Lab File: BF107920.D

Acq: 2 Aug 2018 20:12

Tgt Ion:276 Resp: 39257

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 23.3 21.8 32.8

