

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107758.D
 Acq On : 27 Jul 2018 20:49
 Operator : JU/SJ
 Sample : J4121-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-03(8-10)

Quant Time: Jul 28 01:18:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

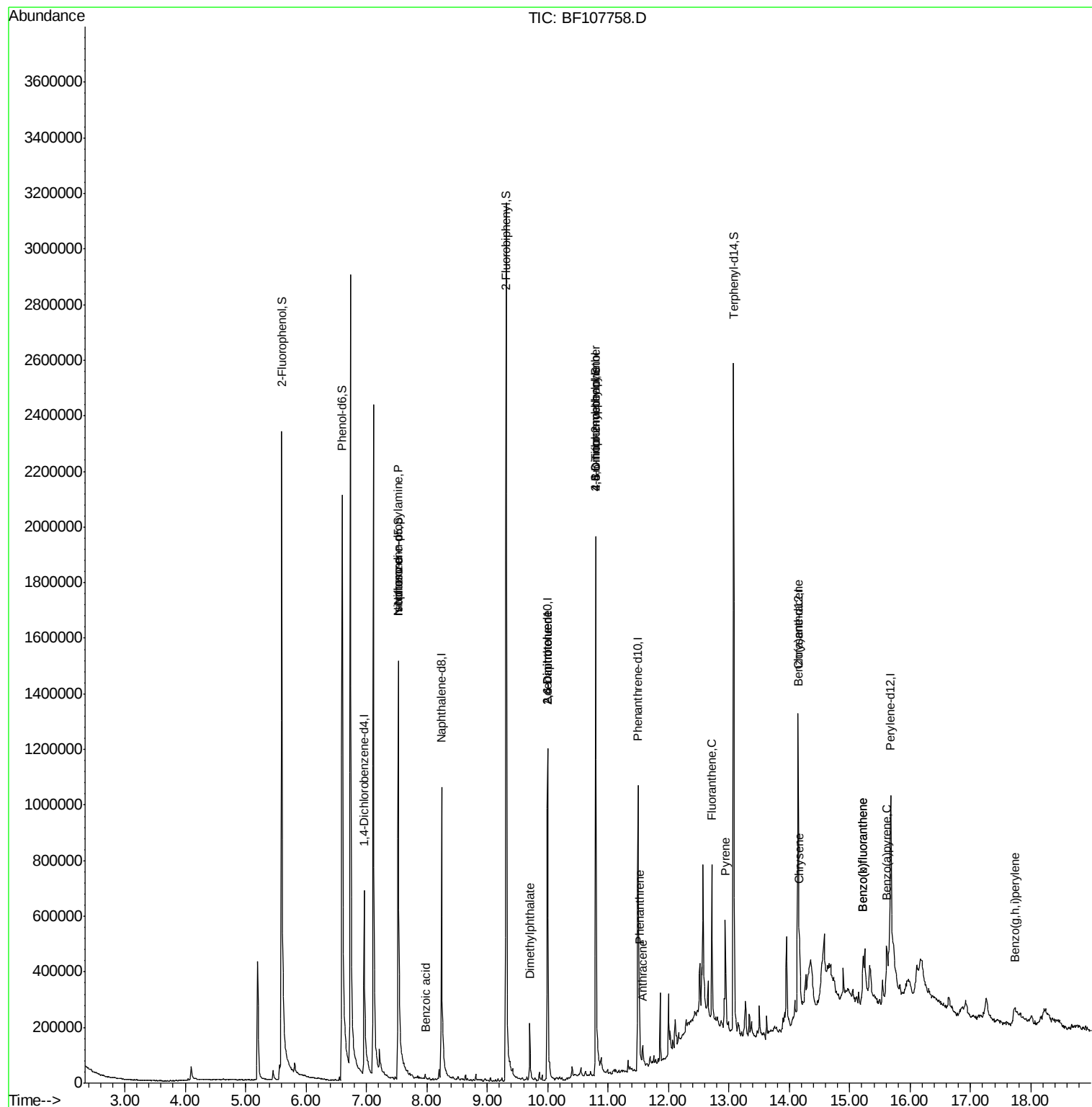
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	167469	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	663319	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	269883	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	471966	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	432724	20.00	ng	-0.02
86) Perylene-d12	15.68	264	400907	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	988508	94.90	ng	-0.01
7) Phenol-d6	6.60	99	1282446	102.54	ng	-0.02
23) Nitrobenzene-d5	7.52	82	779267	79.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	327753	106.80	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1227039	75.49	ng	-0.02
78) Terphenyl-d14	13.08	244	939391	55.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	97773	12.101	ng	Qvalue # 80
25) Isophorone	7.52	82	781369	37.233	ng	# 64
32) Benzoic acid	7.98	122	107	7.914	ng	# 1
49) Dimethylphthalate	9.71	163	95125	4.677	ng	99
50) 2,6-Dinitrotoluene	10.00	165	33619	8.325	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	33927	6.960	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	513	8.865	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19314	3.476	ng	# 1
70) Phenanthrene	11.52	178	100960	4.390	ng	98
71) Anthracene	11.57	178	48854	2.110	ng	97
73) Di-n-butylphthalate	12.04	149	12849	Below Cal		# 91
74) Fluoranthene	12.72	202	241818	9.798	ng	96
77) Pyrene	12.94	202	204921	6.923	ng	98
80) Benzo(a)anthracene	14.14	228	129456	5.105	ng	96
81) 3,3'-Dichlorobenzidine	14.10	252	1934	Below Cal		# 70
82) Chrysene	14.17	228	114179	4.687	ng	97
87) Benzo(b)fluoranthene	15.22	252	173170	7.892	ng	97
88) Benzo(k)fluoranthene	15.22	252	173170	8.056	ng	99
89) Benzo(a)pyrene	15.61	252	93869	4.677	ng	97
91) Benzo(g,h,i)perylene	17.73	276	34609	2.022	ng	# 93

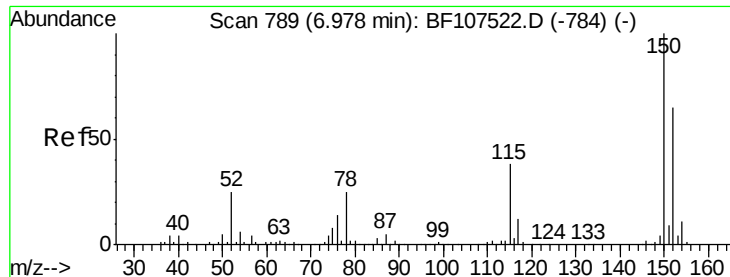
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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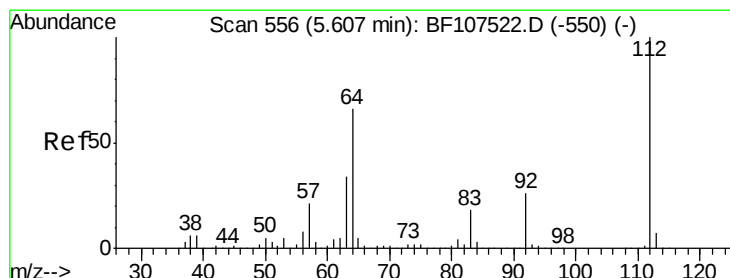
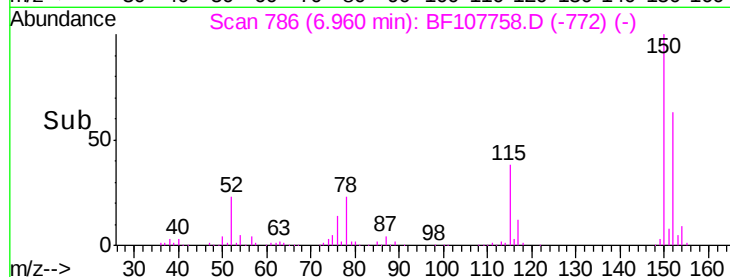
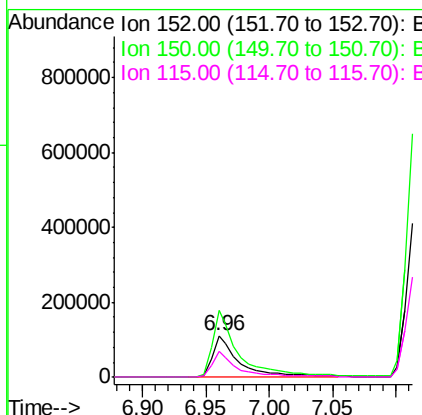
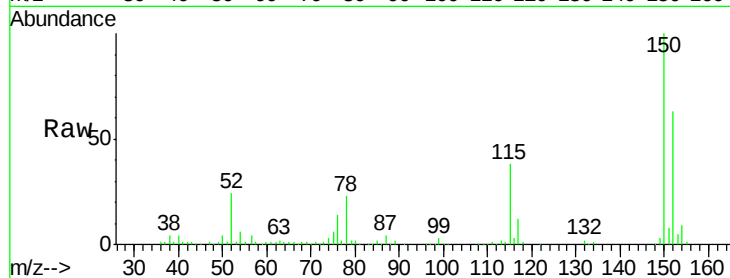


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
GW-03(8-10)

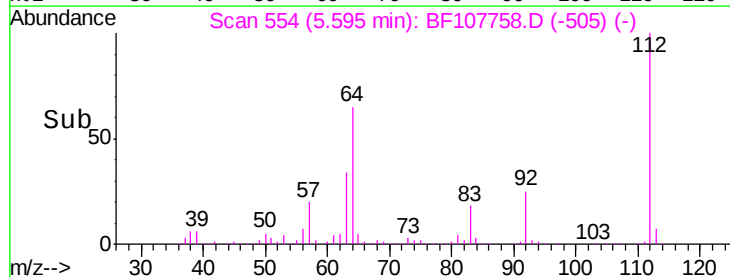
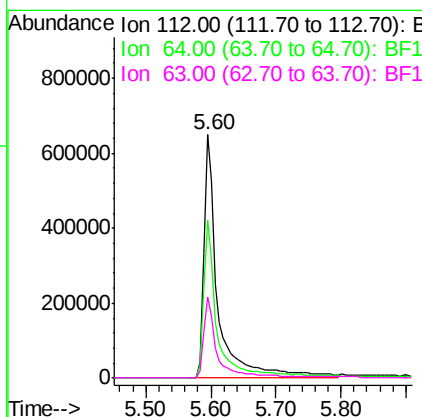
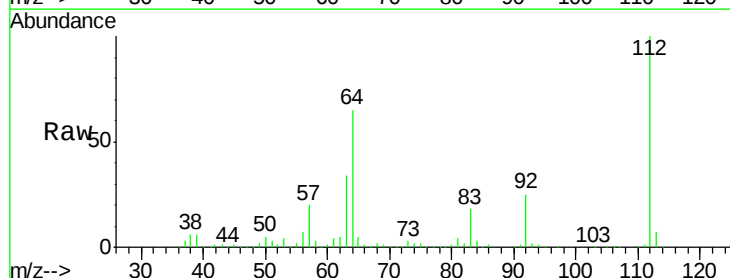
Tgt Ion:152 Resp: 167469
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 60.9 50.1 75.1

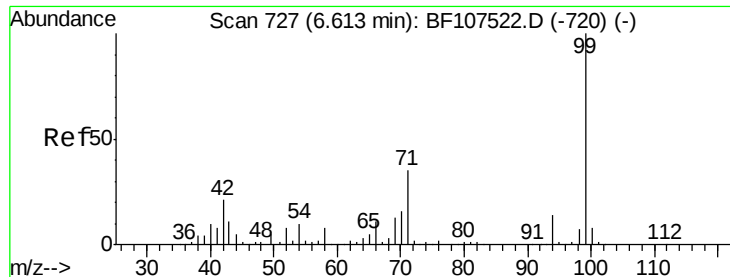


#5

2-Fluorophenol
Concen: 94.903 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Tgt Ion:112 Resp: 988508
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 33.5 23.7 35.5





#7

Phenol-d6

Concen: 102.539 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

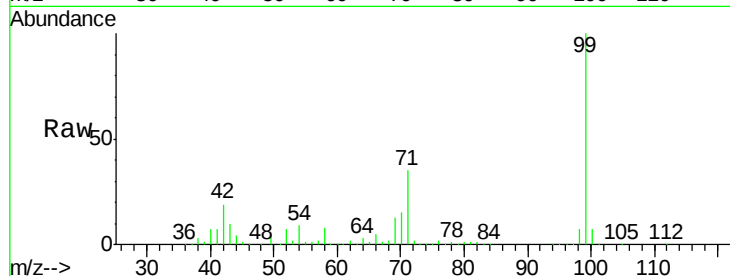
Tgt Ion: 99 Resp: 1282446

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

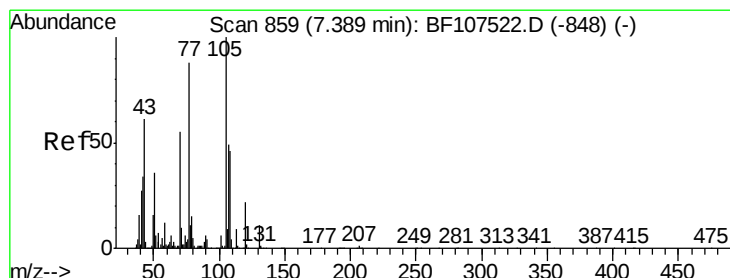
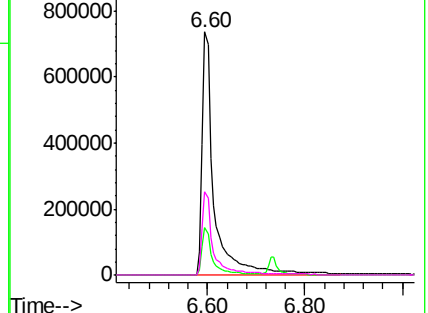
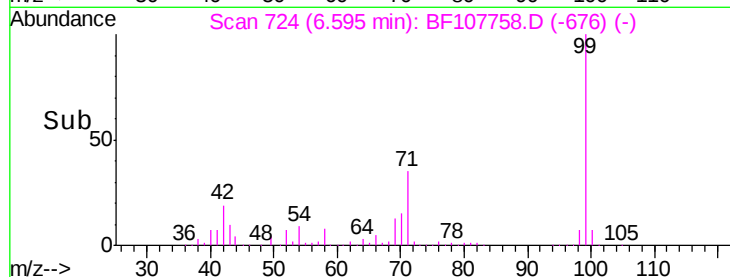
71 34.5 25.4 38.0



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: 12.101 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Tgt Ion: 70 Resp: 97773

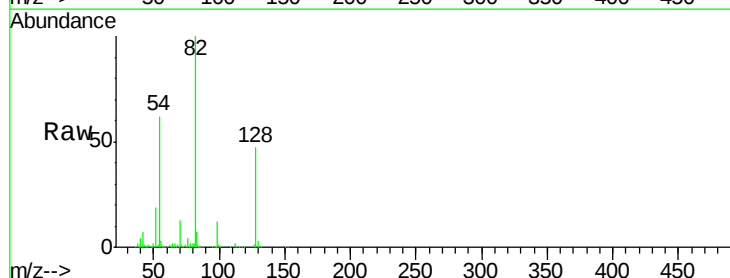
Ion Ratio Lower Upper

70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

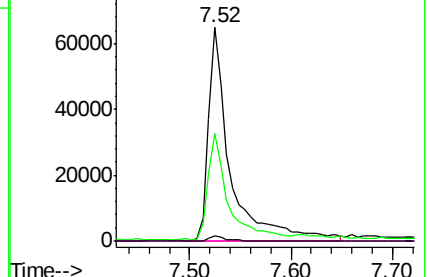
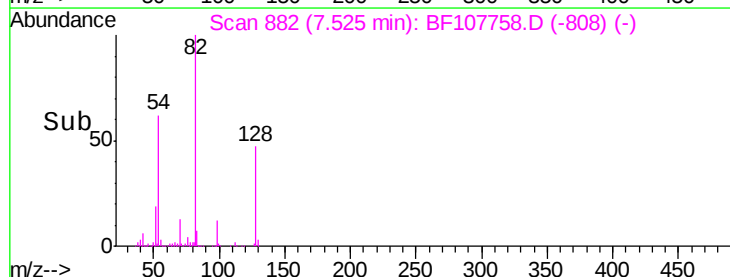


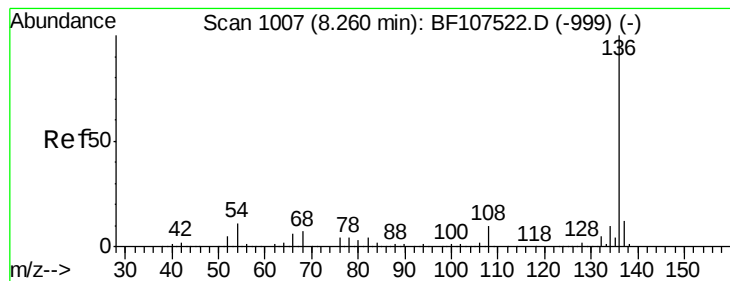
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

Tgt Ion:136 Resp: 663319

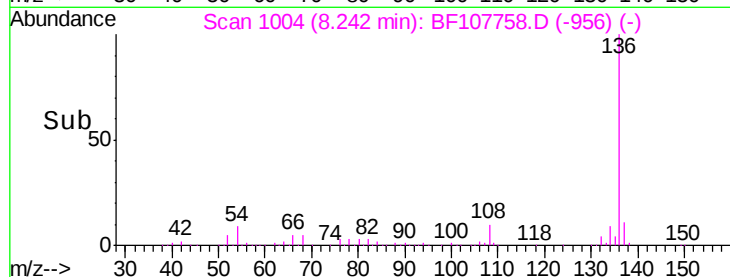
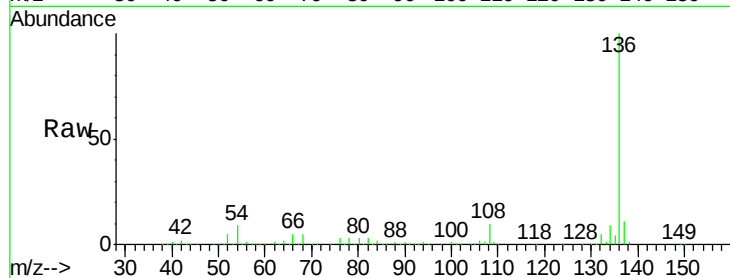
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 5.2 5.0 7.4

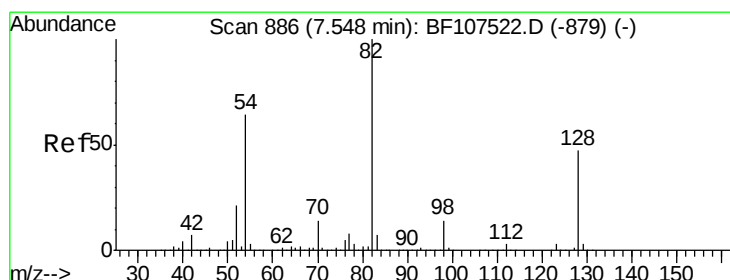
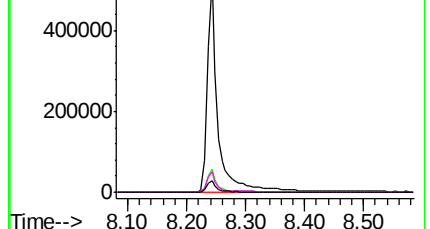


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.284 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

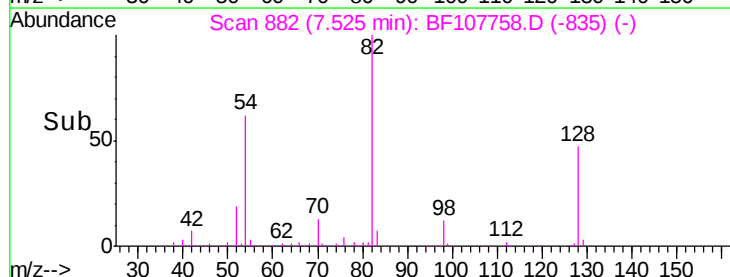
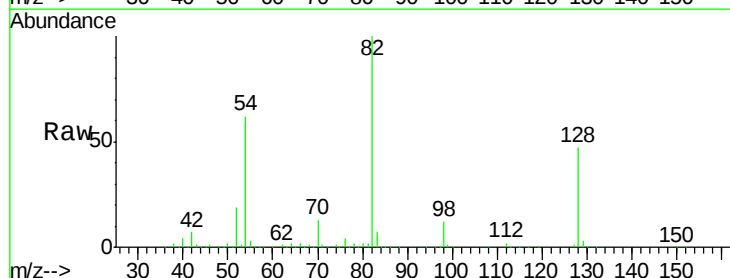
Tgt Ion: 82 Resp: 779267

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

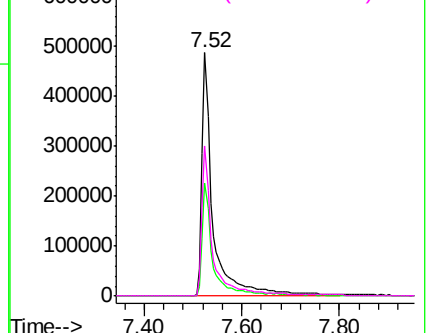
54 61.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.233 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

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ClientSampleId :

GW-03(8-10)

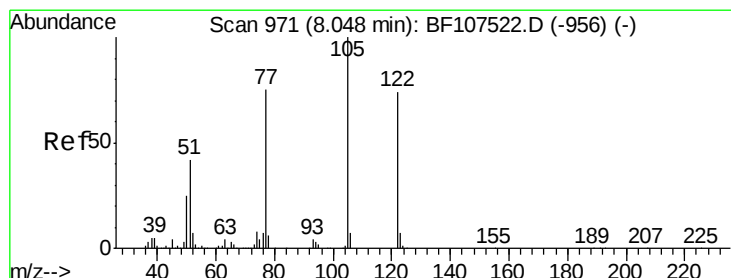
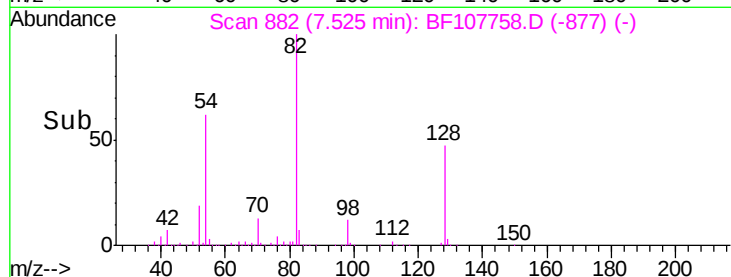
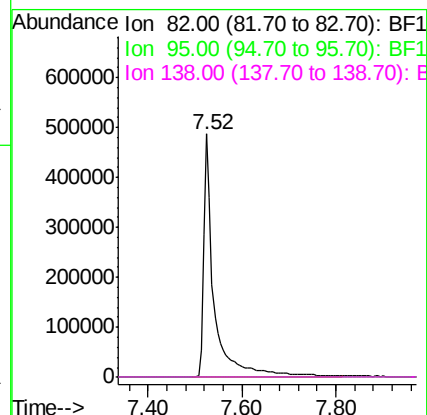
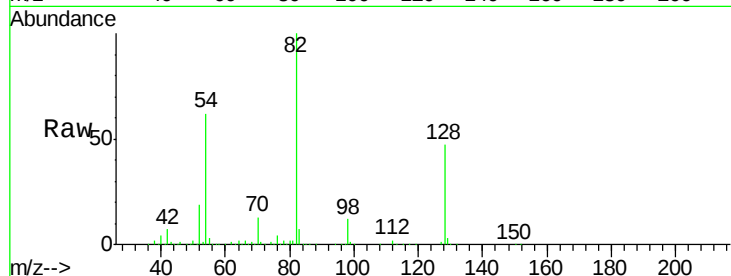
Tgt Ion: 82 Resp: 781369

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.914 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.06 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

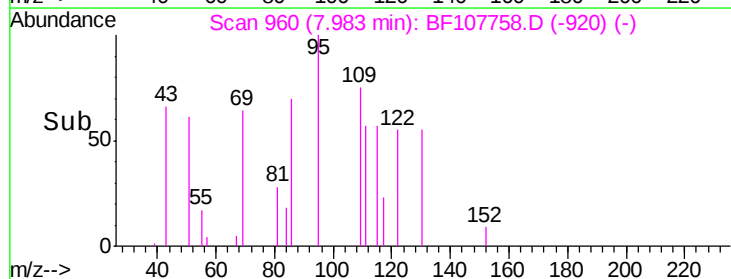
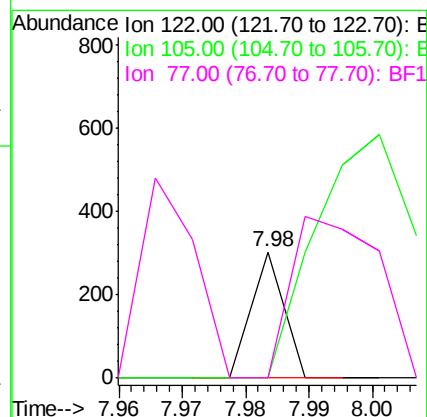
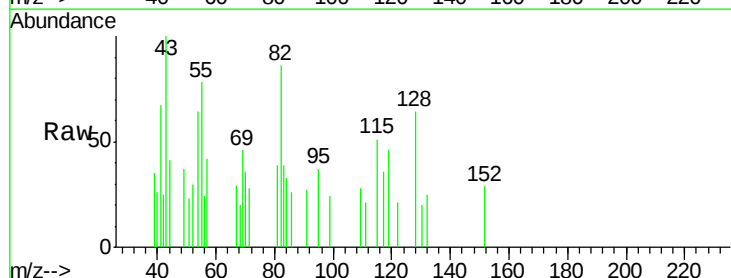
Tgt Ion: 122 Resp: 107

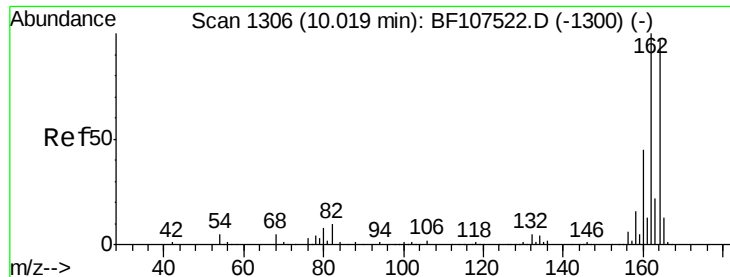
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 70.7 110.7#

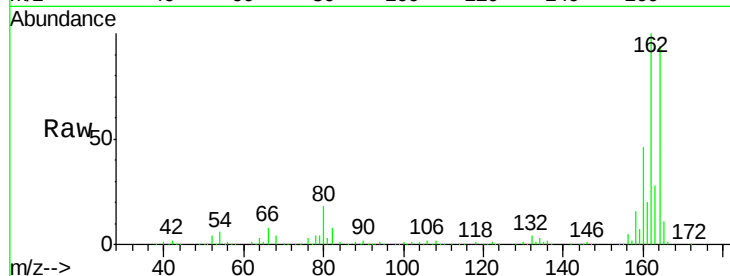




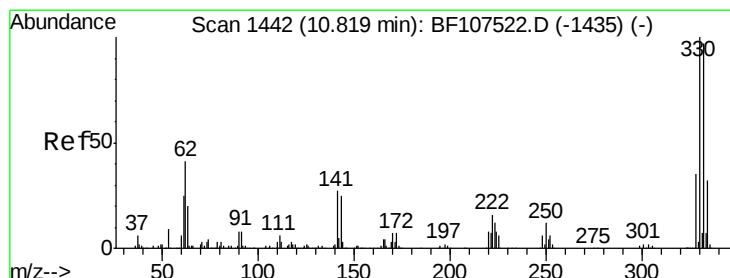
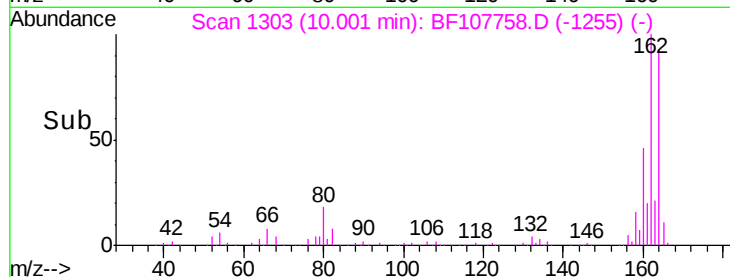
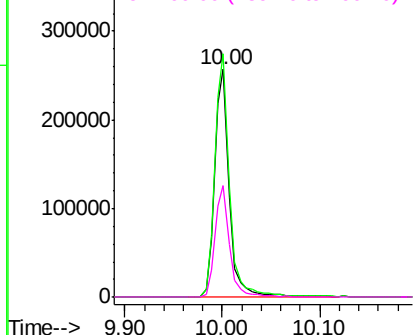
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

Instrument :
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 ClientSampleId :
 GW-03(8-10)

Tgt Ion:164 Resp: 269883
 Ion Ratio Lower Upper
 164 100
 162 106.9 86.1 129.1
 160 49.1 38.3 57.5

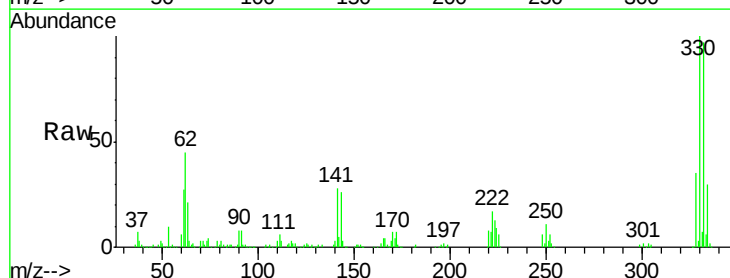


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

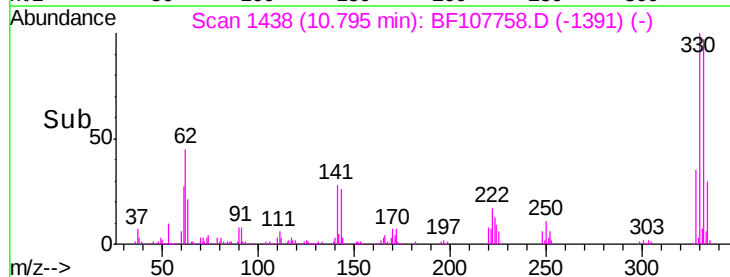
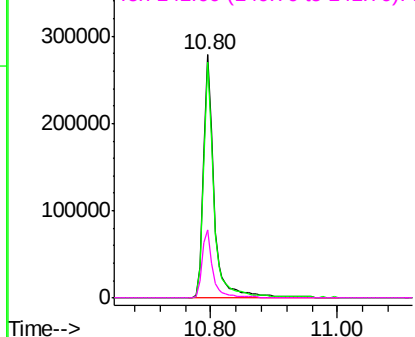


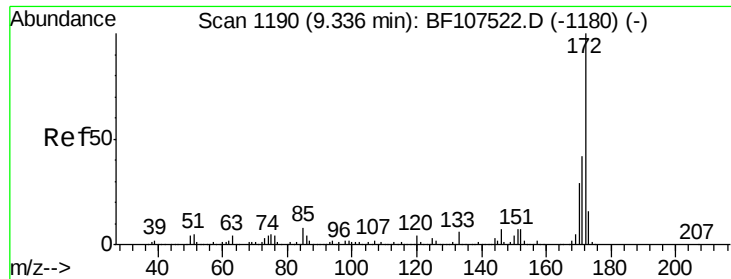
#41
 2,4,6-Tribromophenol
 Concen: 106.795 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:330 Resp: 327753
 Ion Ratio Lower Upper
 330 100
 332 94.8 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

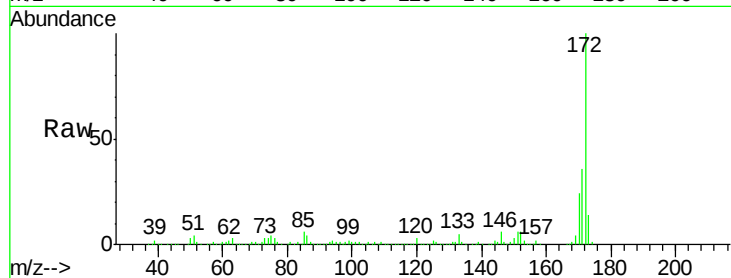




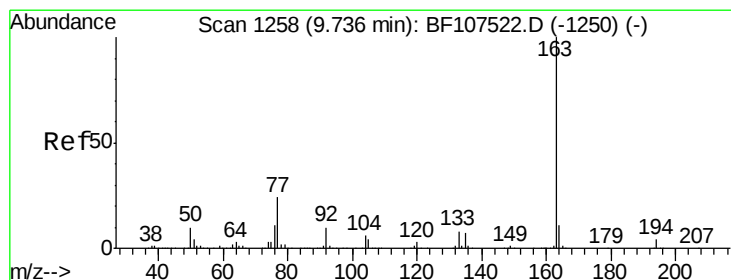
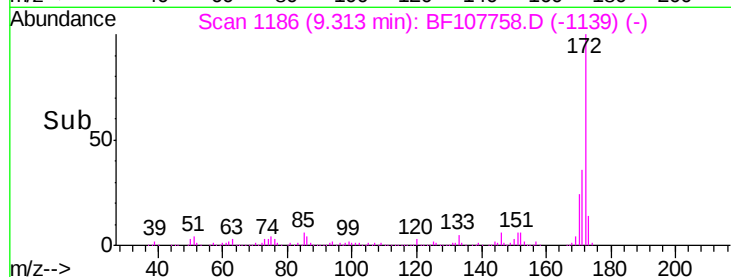
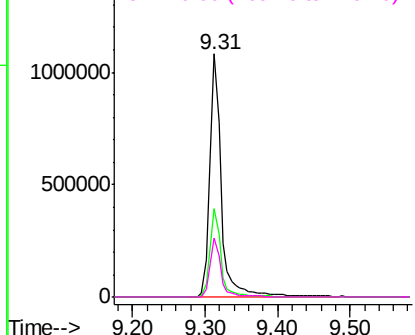
#44
2-Fluorobiphenyl
Concen: 75.491 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
GW-03(8-10)

Tgt Ion:172 Resp: 1227039
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.2 19.6 29.4

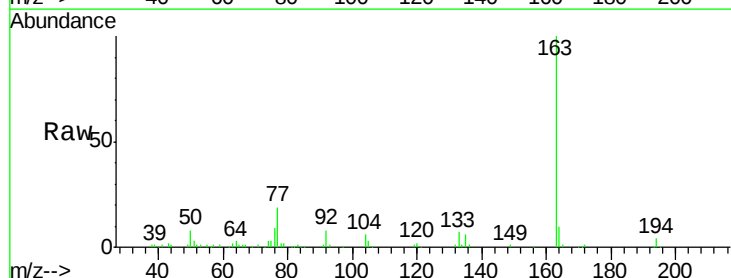


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

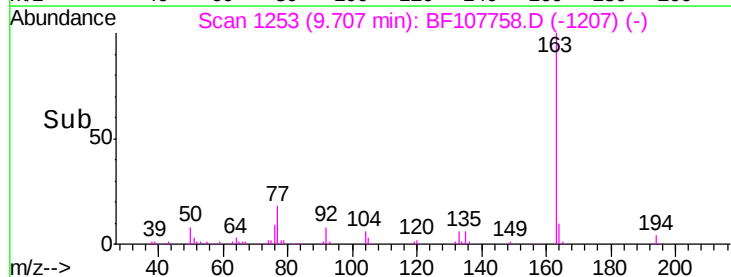
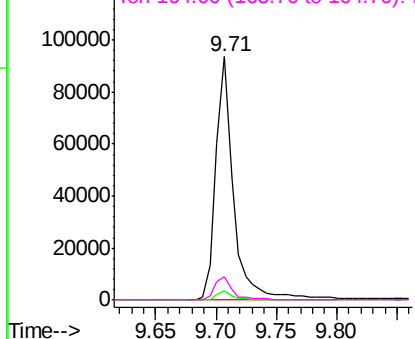


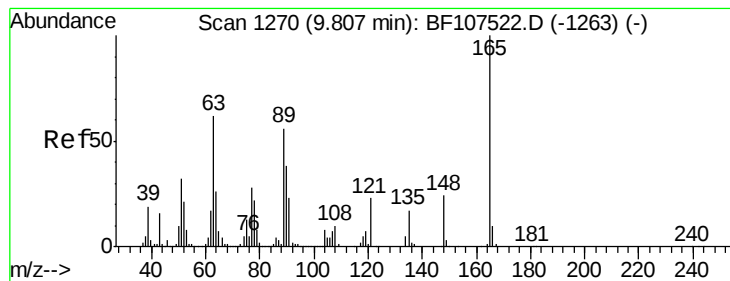
#49
Dimethylphthalate
Concen: 4.677 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Tgt Ion:163 Resp: 95125
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 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: 8.325 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.19 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

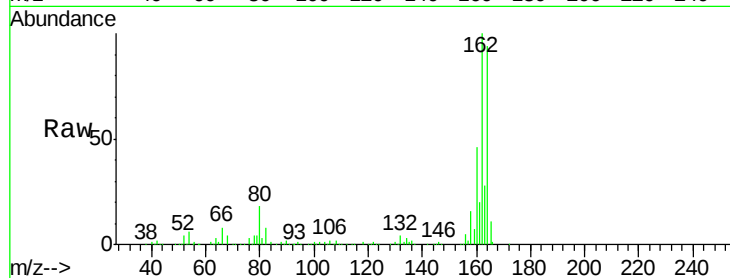
Tgt Ion:165 Resp: 33619

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

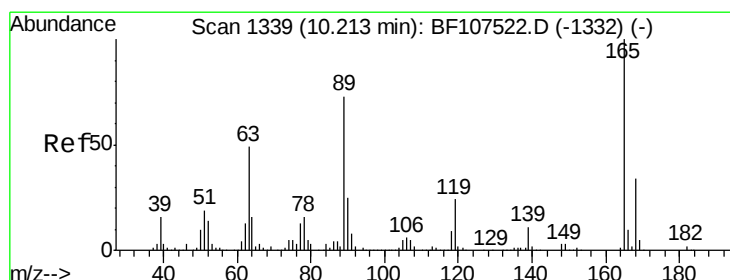
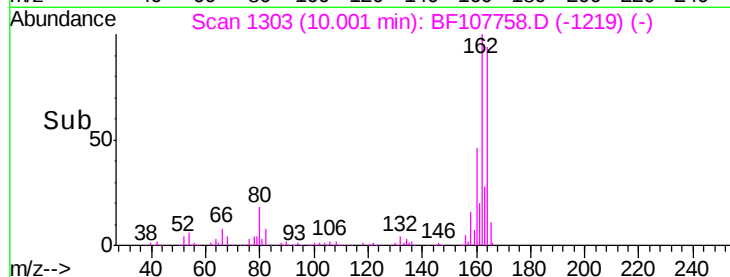
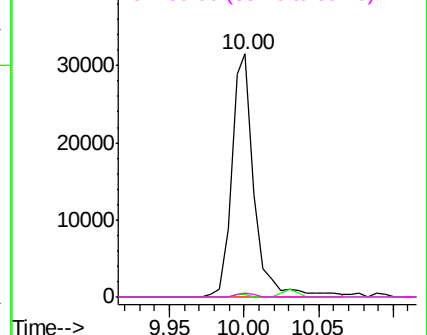
89 1.5 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.960 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Tgt Ion:165 Resp: 33927

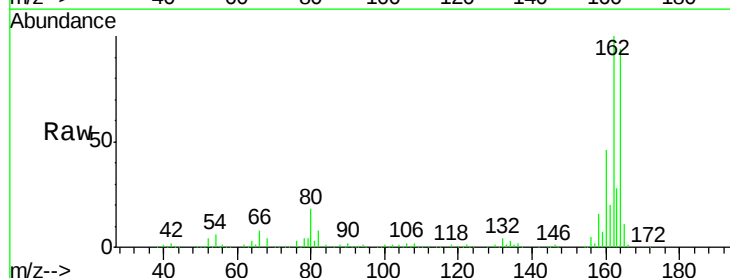
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

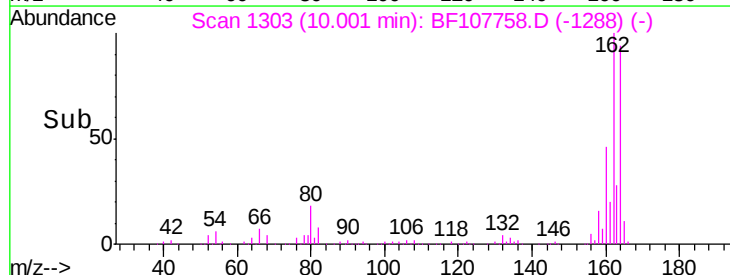
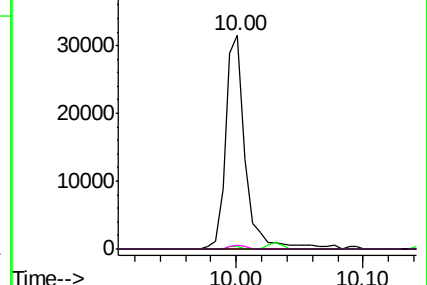


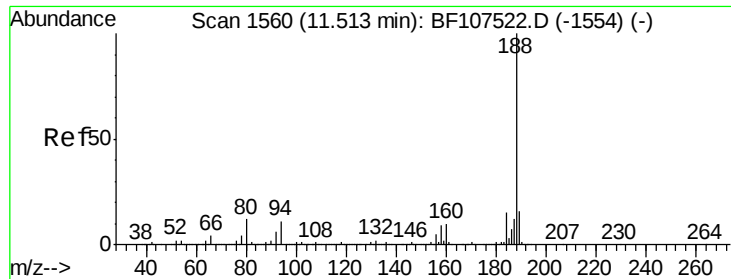
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

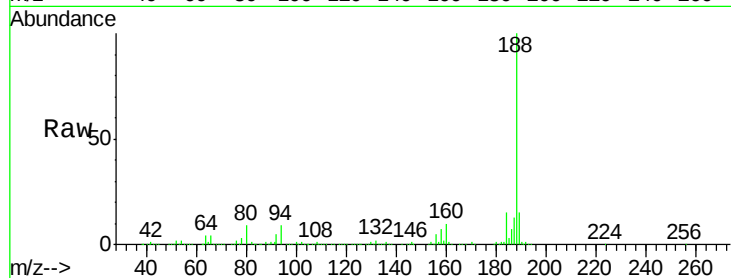
Tgt Ion:188 Resp: 471966

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

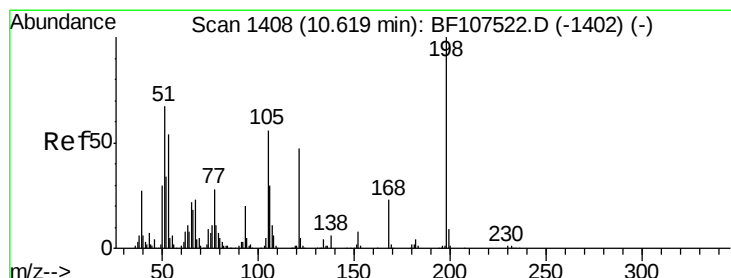
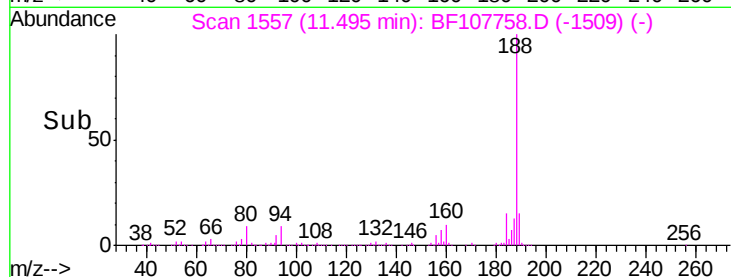
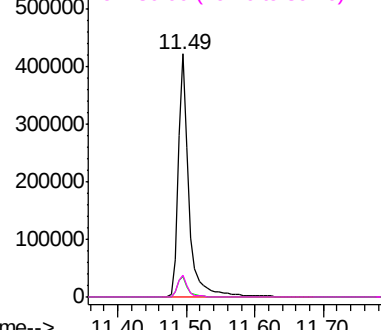
80 9.3 9.2 13.8



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: 8.865 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

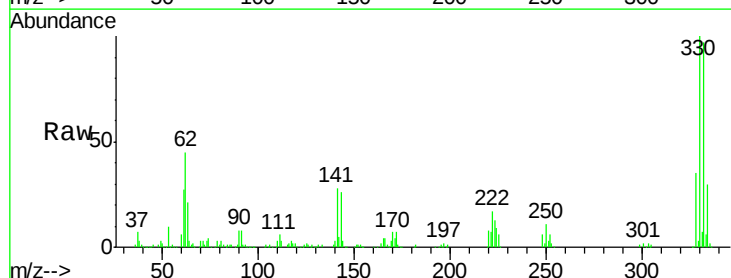
Tgt Ion:198 Resp: 513

Ion Ratio Lower Upper

198 100

51 212.8 37.7 77.7#

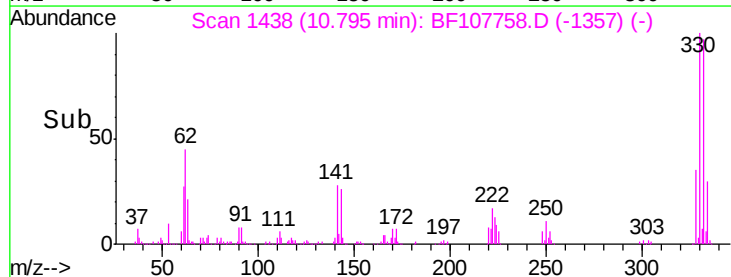
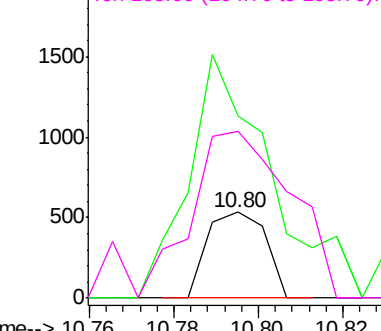
105 195.5 36.3 76.3#

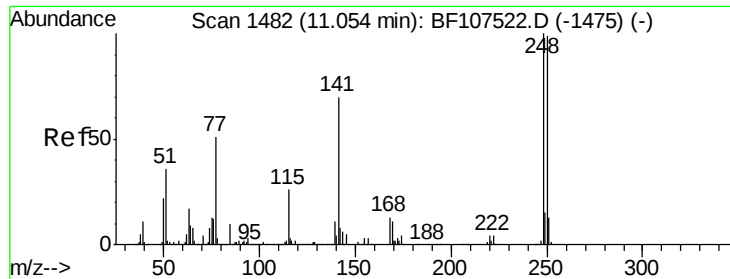


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

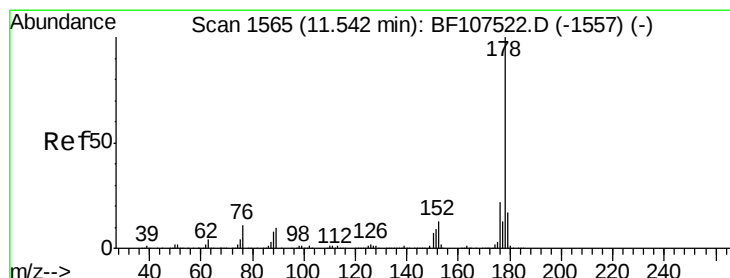
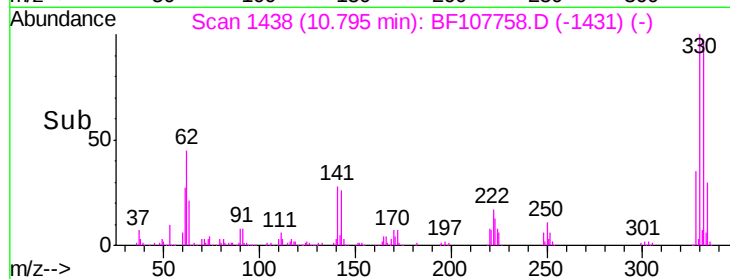
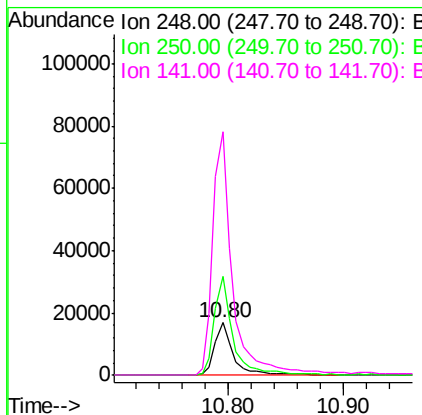
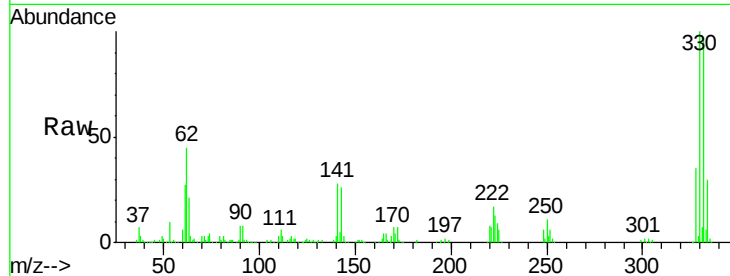




#66
 4-Bromophenyl-phenylether
 Concen: 3.476 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.26 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

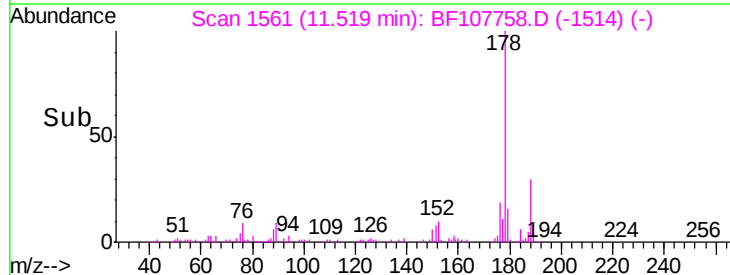
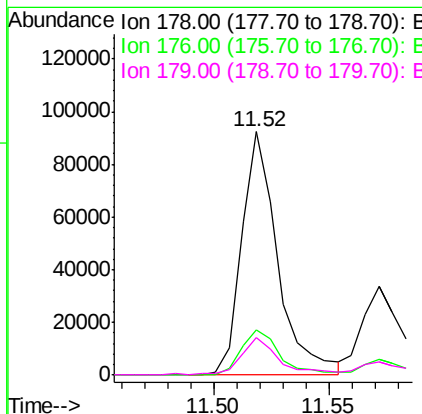
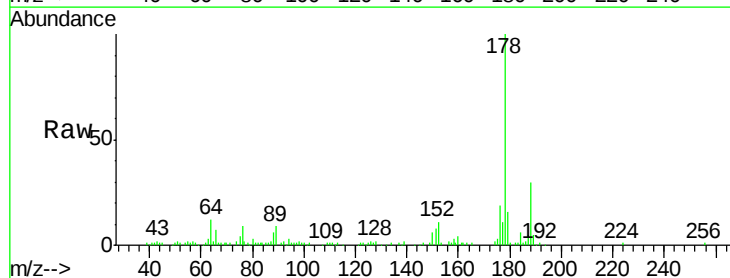
Instrument :
 BNA_F
 ClientSampleId :
 GW-03(8-10)

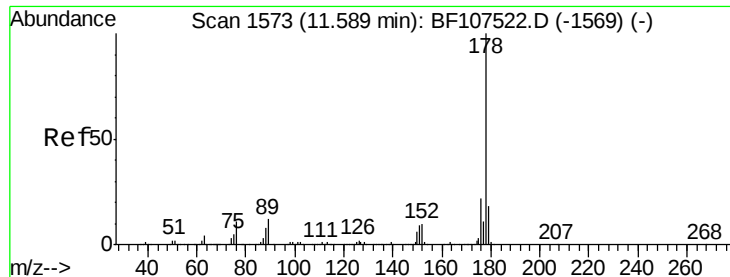
Tgt Ion:248 Resp: 19314
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.9 115.3#
 141 461.2 74.4 111.6#



#70
 Phenanthrene
 Concen: 4.390 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:178 Resp: 100960
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.5 13.0 19.6

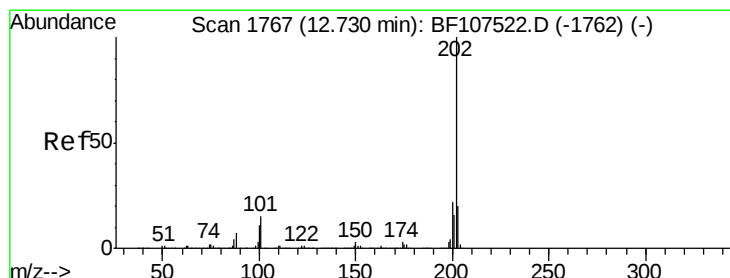
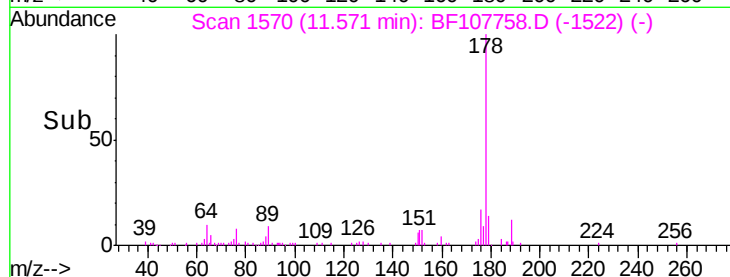
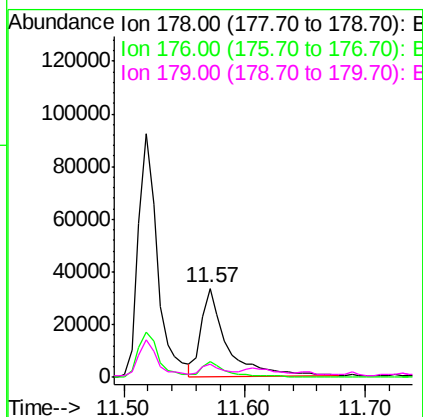
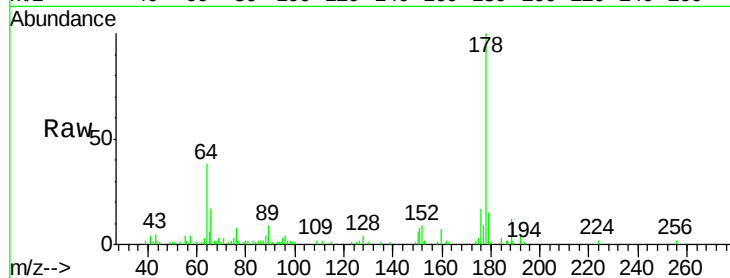




#71
 Anthracene
 Concen: 2.110 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

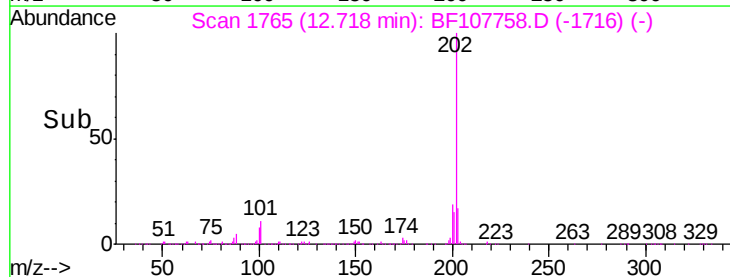
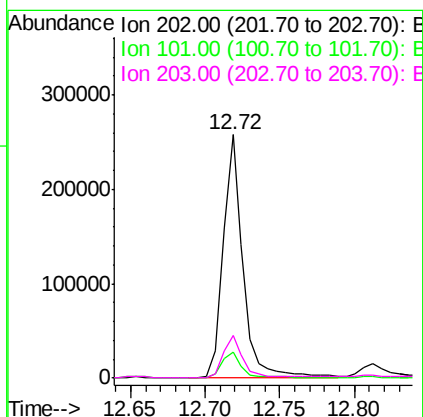
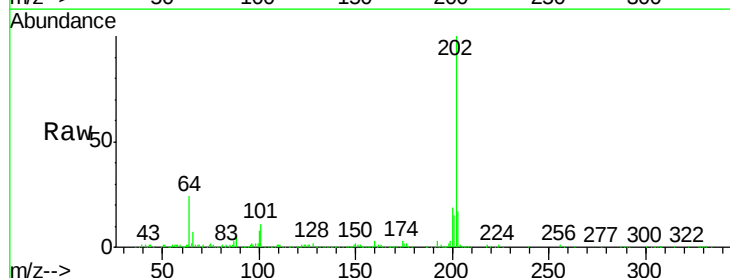
Instrument :
 BNA_F
 ClientSampleId :
 GW-03(8-10)

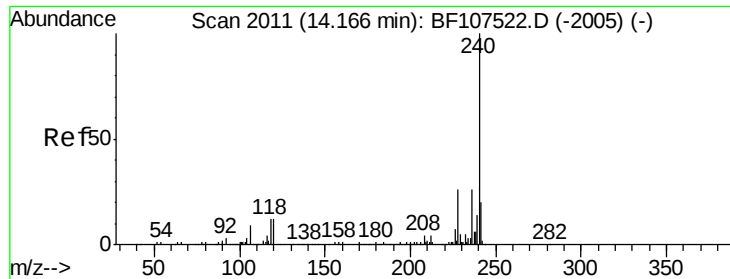
Tgt Ion:178 Resp: 48854
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 9.798 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107758.D
 Acq: 27 Jul 2018 20:49

Tgt Ion:202 Resp: 241818
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 34.1
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

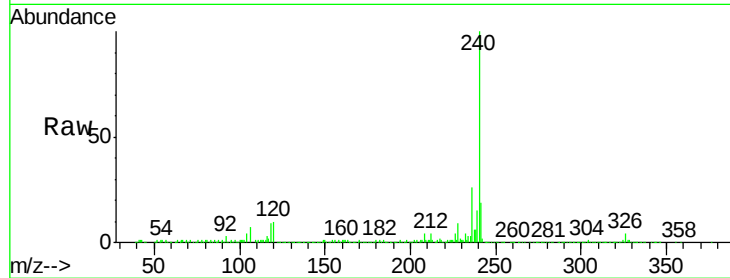
Tgt Ion:240 Resp: 432724

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

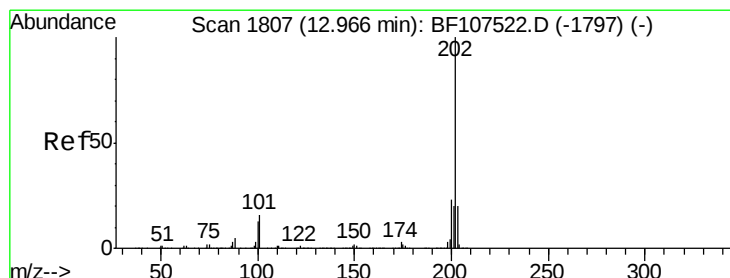
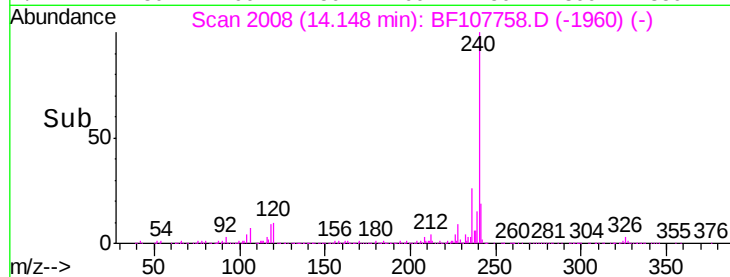
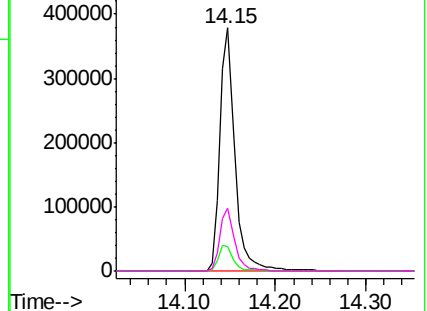
236 26.1 20.7 31.1



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: 6.923 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

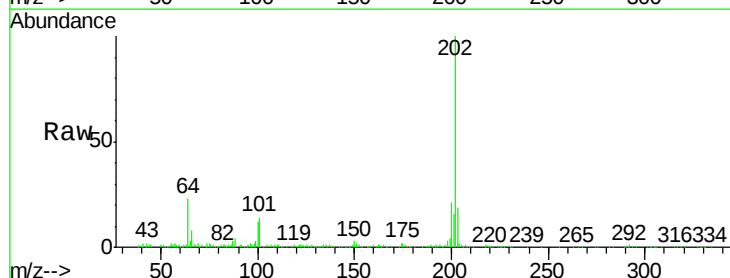
Tgt Ion:202 Resp: 204921

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

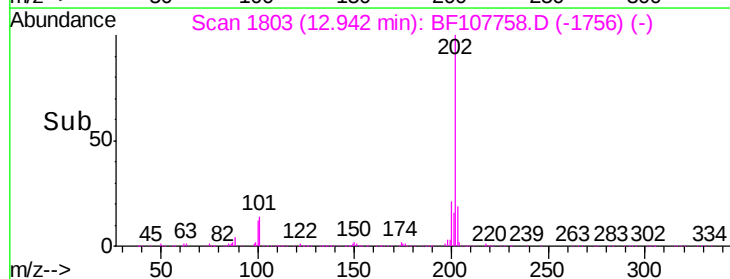
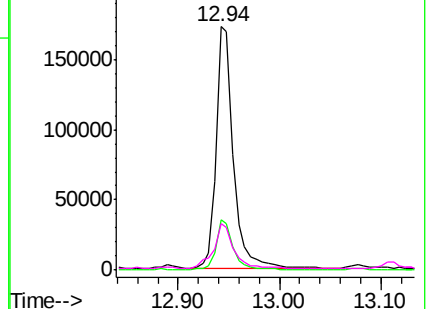
203 19.0 14.3 21.5

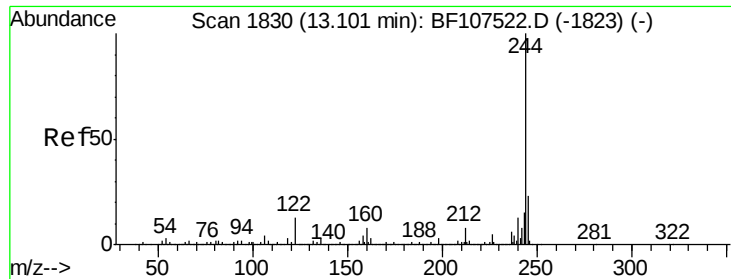


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.576 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

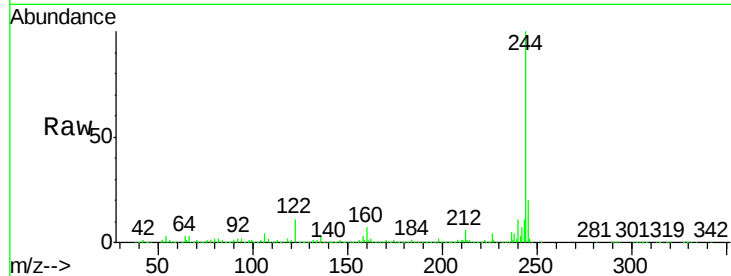
Tgt Ion:244 Resp: 939391

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

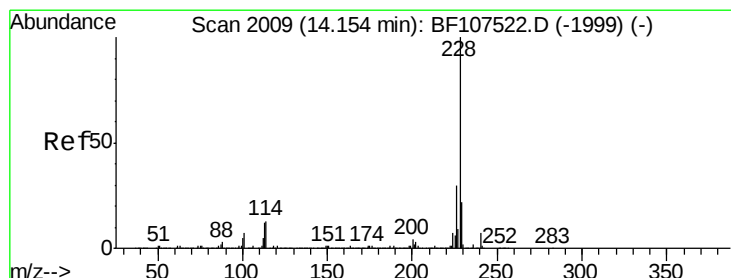
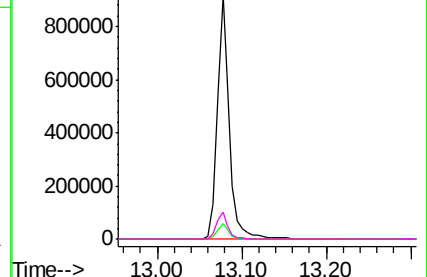
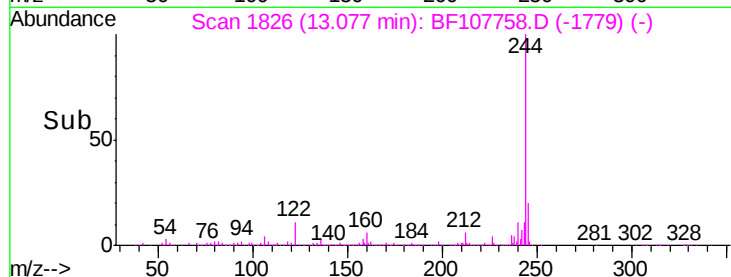
122 11.0 11.0 16.4



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: 5.105 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

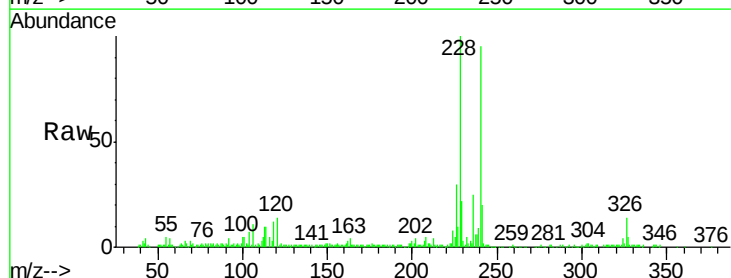
Tgt Ion:228 Resp: 129456

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

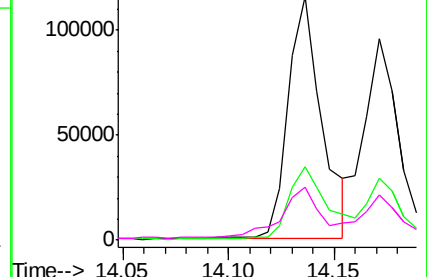
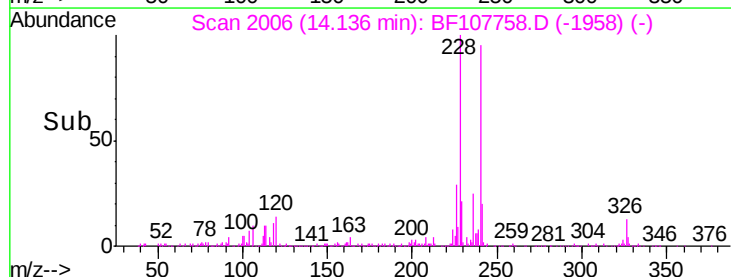
229 21.8 15.8 23.6

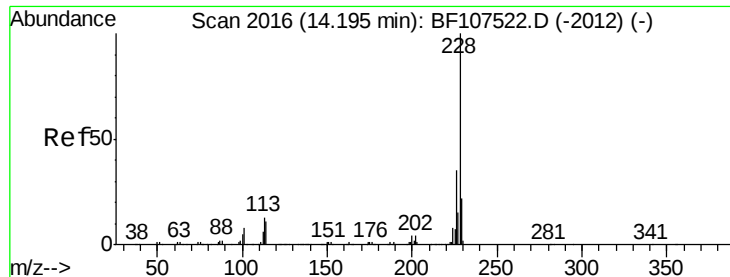


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

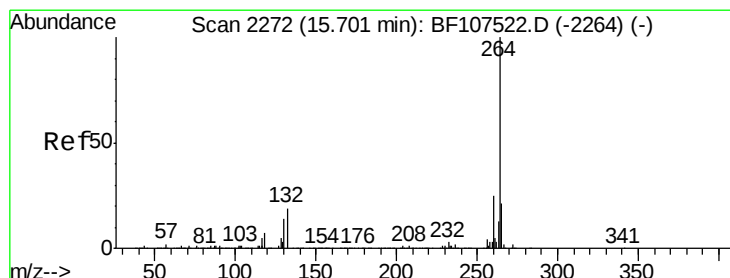
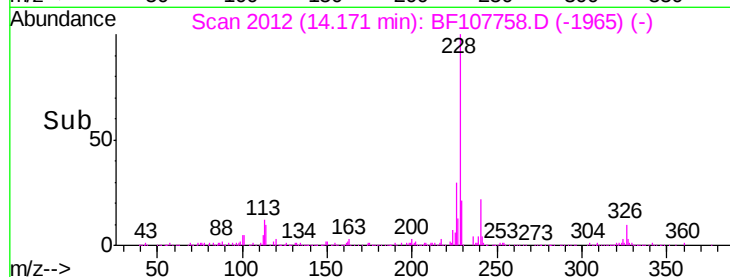
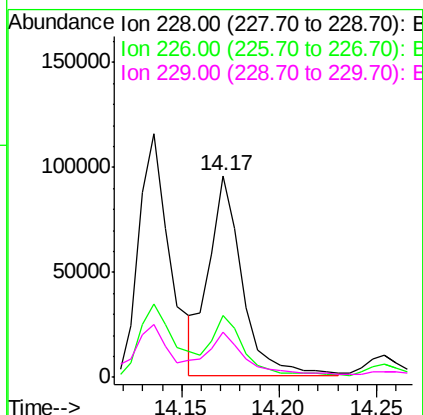
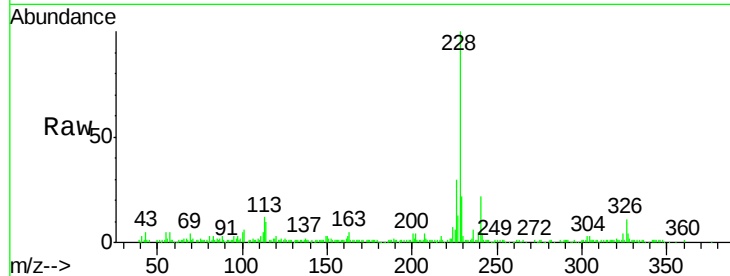




#82
Chrysene
Concen: 4.687 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

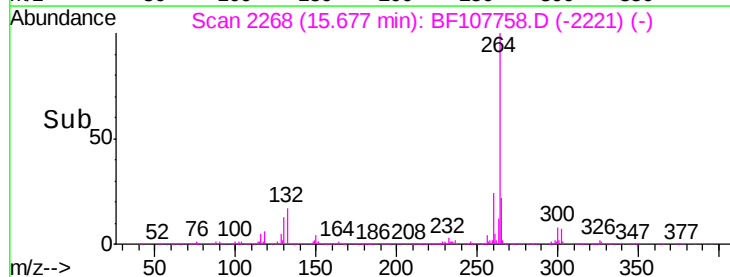
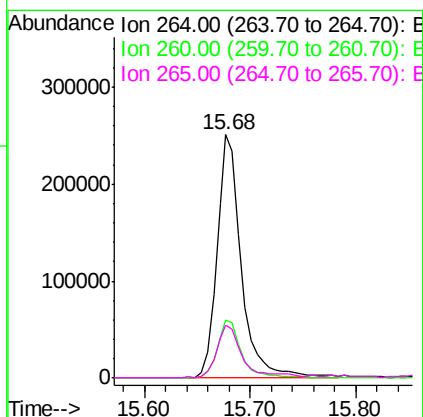
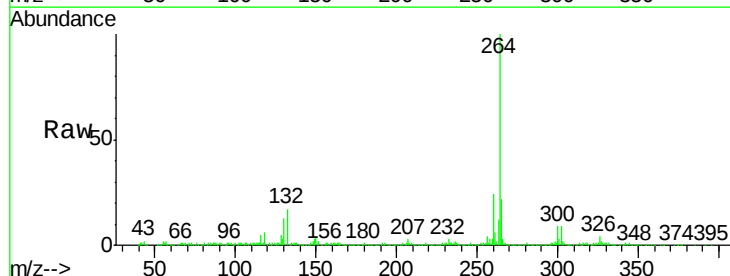
Instrument :
BNA_F
ClientSampleId :
GW-03(8-10)

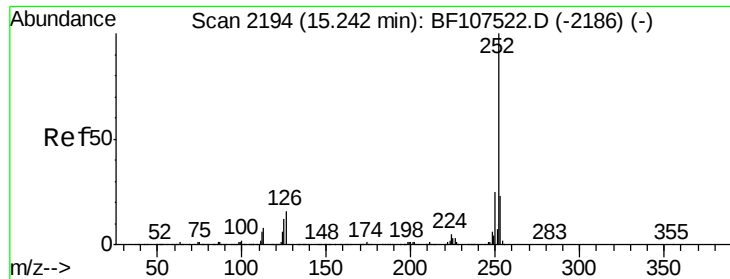
Tgt Ion:228 Resp: 114179
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Tgt Ion:264 Resp: 400907
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.0 17.5 26.3

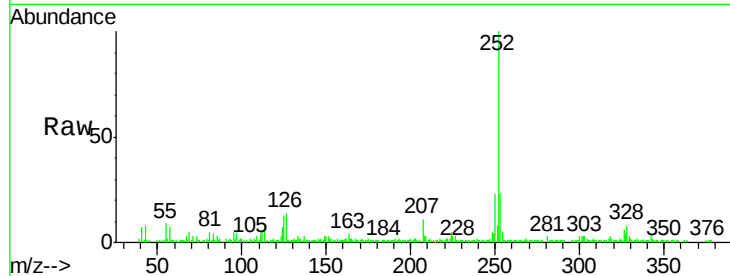




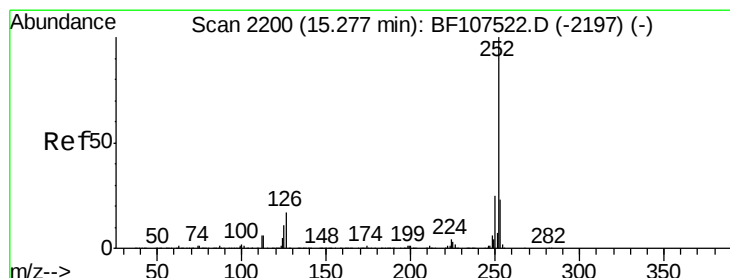
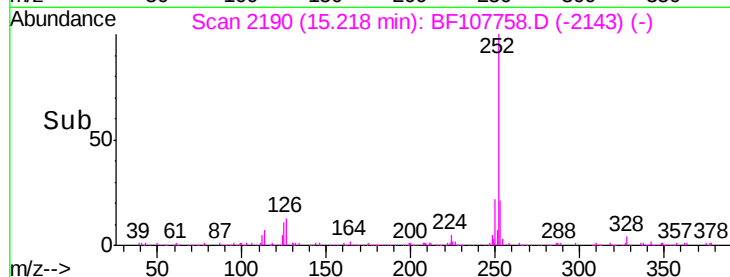
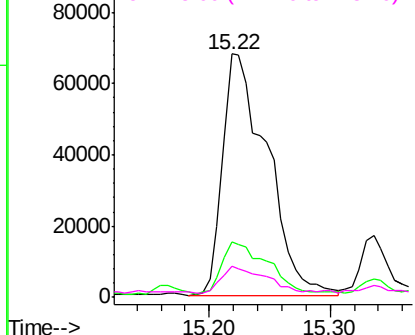
#87
Benzo(b)fluoranthene
Concen: 7.892 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Instrument :
BNA_F
ClientSampleId :
GW-03(8-10)

Tgt Ion:252 Resp: 173170
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.7 9.0 13.6

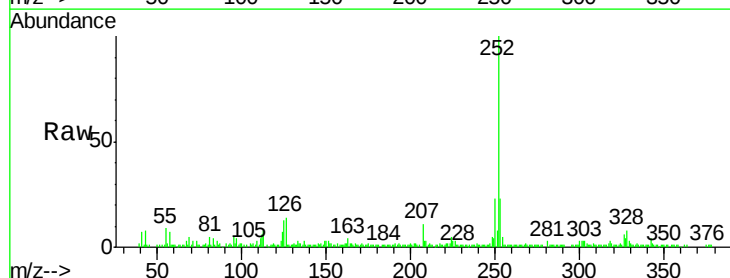


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

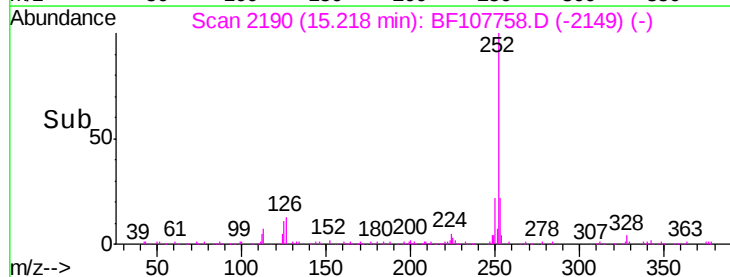
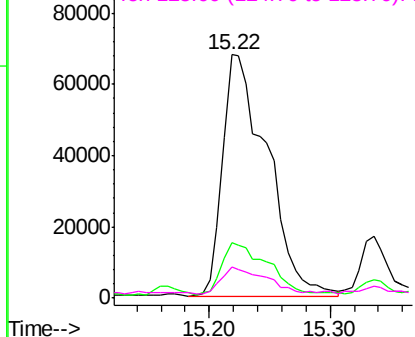


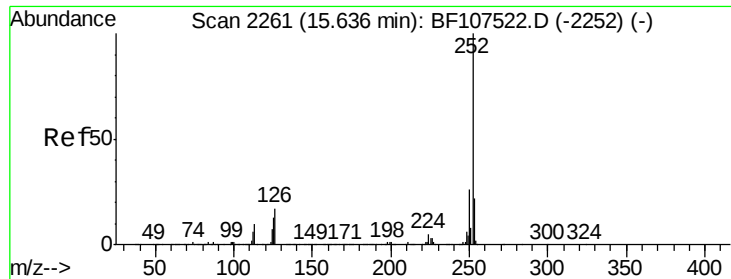
#88
Benzo(k)fluoranthene
Concen: 8.056 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107758.D
Acq: 27 Jul 2018 20:49

Tgt Ion:252 Resp: 173170
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.7 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: 4.677 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

Instrument :

BNA_F

ClientSampleId :

GW-03(8-10)

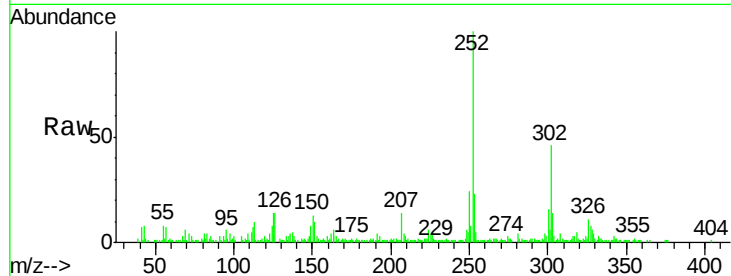
Tgt Ion:252 Resp: 93869

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

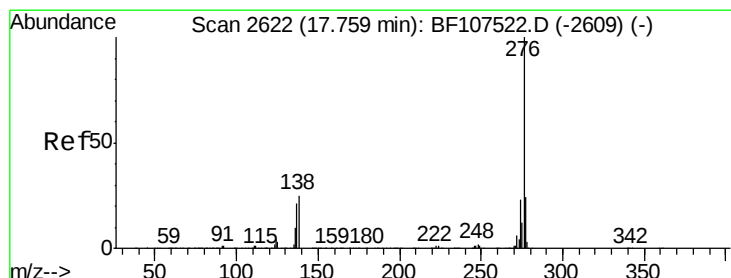
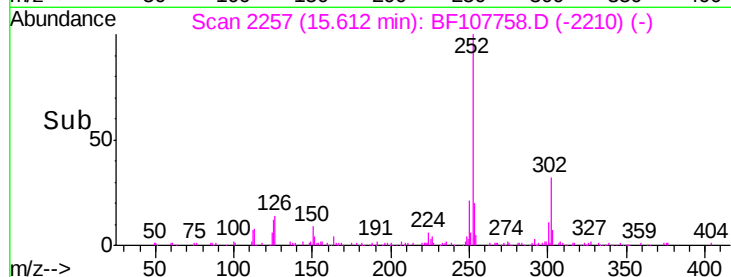
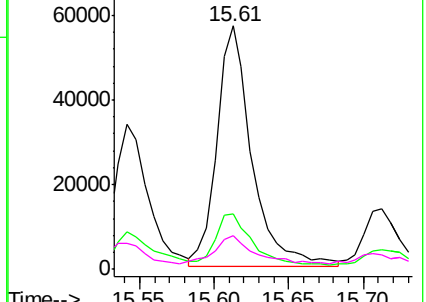
125 13.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.022 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.03 min

Lab File: BF107758.D

Acq: 27 Jul 2018 20:49

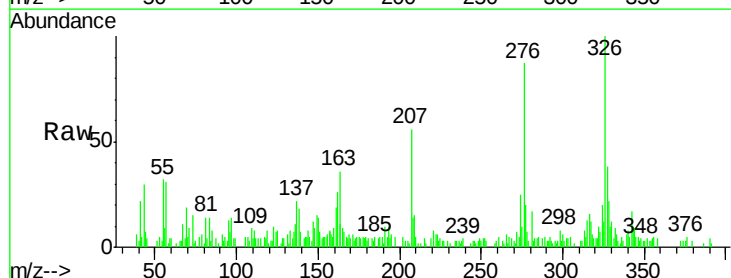
Tgt Ion:276 Resp: 34609

Ion Ratio Lower Upper

276 100

277 22.5 17.9 26.9

138 20.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

