

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101997.D
 Acq On : 10 Jan 2018 23:30
 Operator : SJ/JU
 Sample : J1076-14 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14767779-01

Quant Time: Jan 11 01:58:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	207487	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	854956	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	366590	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	571959	20.00	ng	0.00
75) Chrysene-d12	13.87	240	339006	20.00	ng	0.00
86) Perylene-d12	15.29	264	387085	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	6525	0.44	ng	0.00
7) Phenol-d6	6.35	99	7976	0.45	ng	0.00
23) Nitrobenzene-d5	7.28	82	4632	0.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	1380	0.43	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	9449	0.40	ng	-0.01
78) Terphenyl-d14	12.82	244	6978	0.43	ng	-0.01

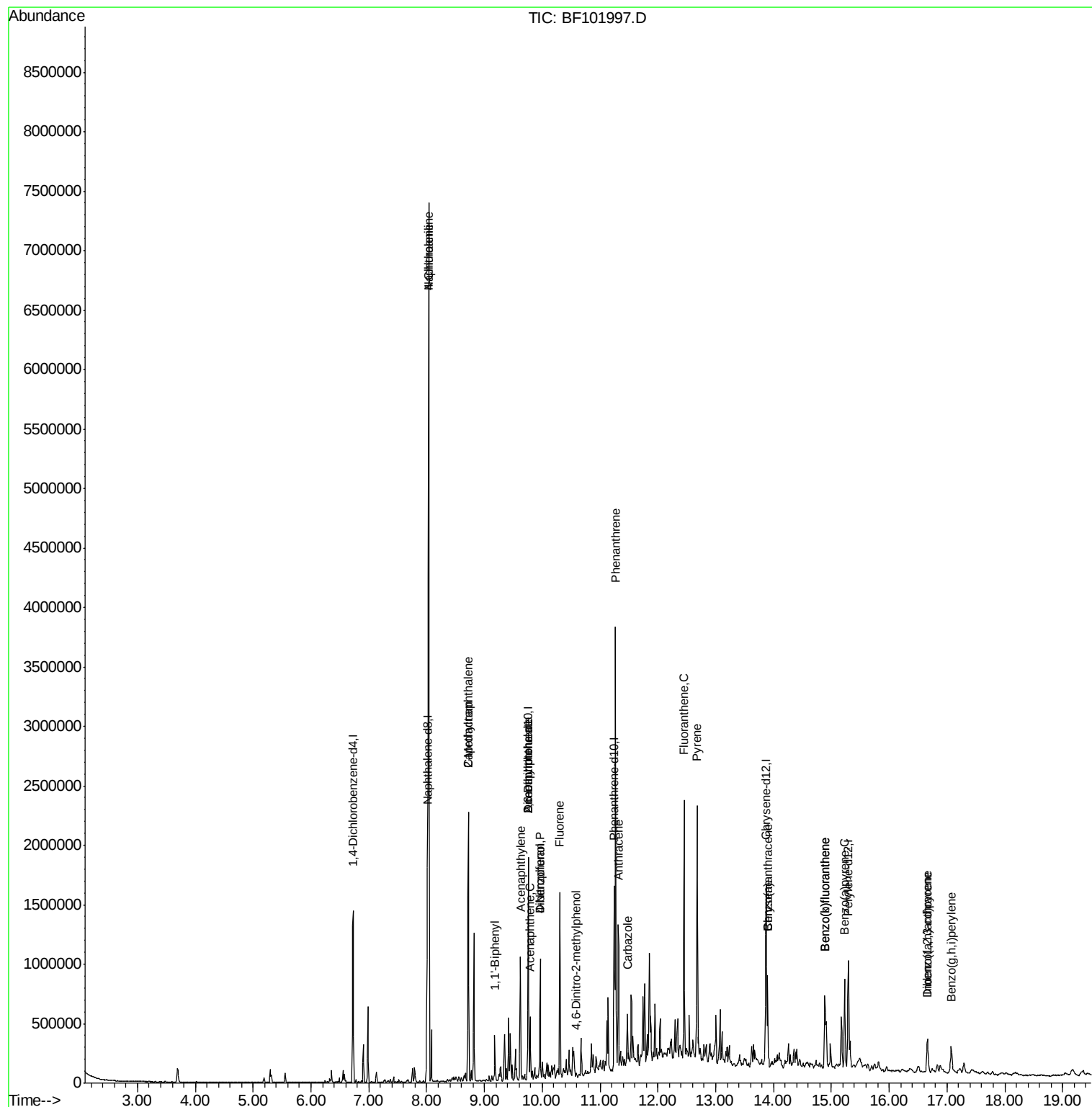
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.04	128	4033450	94.414	ng	98
33) 4-Chloroaniline	8.04	127	568865	31.198	ng	# 35
35) Caprolactam	8.72	113	11591	2.910	ng	# 1
37) 2-Methylnaphthalene	8.72	142	555568	19.754	ng	99
45) 1,1'-Biphenyl	9.19	154	119776	3.696	ng	98
48) Acenaphthylene	9.62	152	369033	9.255	ng	99
49) Dimethylphthalate	9.76	163	107160	3.644	ng	# 1
50) 2,6-Dinitrotoluene	9.76	165	56796	9.669	ng	# 26
51) Acenaphthene	9.79	154	93791	3.875	ng	98
54) Dibenzofuran	9.96	168	309557	9.319	ng	98
55) 4-Nitrophenol	9.96	139	119074	21.552	ng	# 10
57) Fluorene	10.30	166	412044	17.944	ng	100
64) 4,6-Dinitro-2-methylphenol	10.57	198	442	5.788	ng	# 47
70) Phenanthrene	11.27	178	1474274	44.127	ng	99
71) Anthracene	11.32	178	441085	13.018	ng	99
72) Carbazole	11.47	167	152584	4.581	ng	98
74) Fluoranthene	12.46	202	907907	27.620	ng	98
77) Pyrene	12.68	202	834192	27.838	ng	100
80) Benzo(a)anthracene	13.90	228	275423	12.734	ng	96
82) Chrysene	13.90	228	275423	12.212	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	162726	9.913	ng	99
87) Benzo(b)fluoranthene	14.89	252	462254	18.315	ng	# 94
88) Benzo(k)fluoranthene	14.89	252	462254	18.986	ng	97
89) Benzo(a)pyrene	15.23	252	304314	13.399	ng	96
90) Dibenzo(a,h)anthracene	16.67	278	45452	2.508	ng	# 85
91) Benzo(g,h,i)perylene	17.07	276	157256	8.613	ng	94

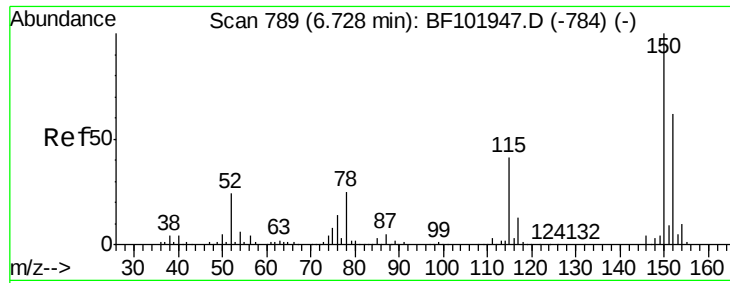
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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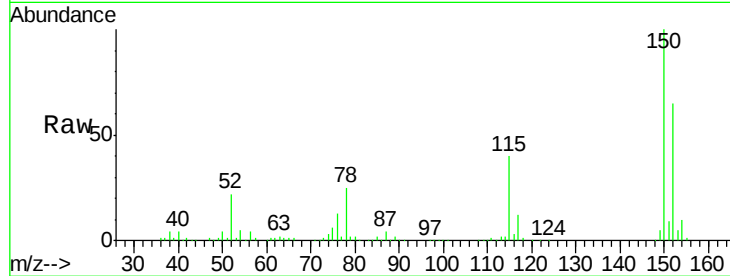


#1

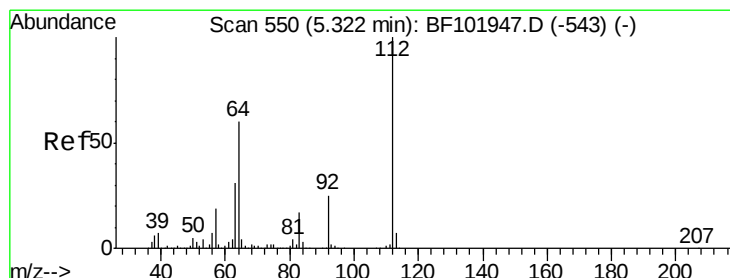
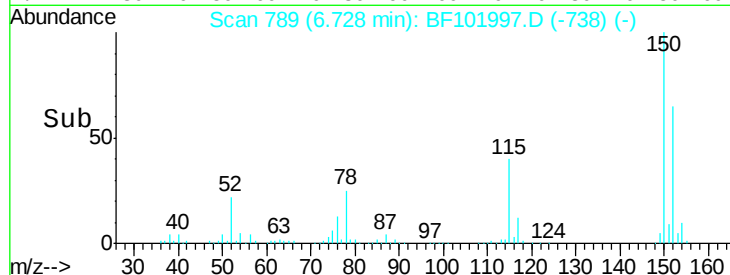
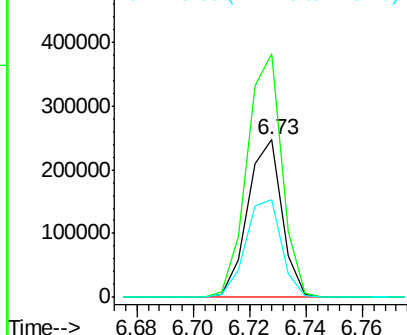
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Instrument :
BNA_F
ClientSampleId :
WC-14767779-01

Tot Ion:152 Resp: 207487
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 61.7 50.1 75.1



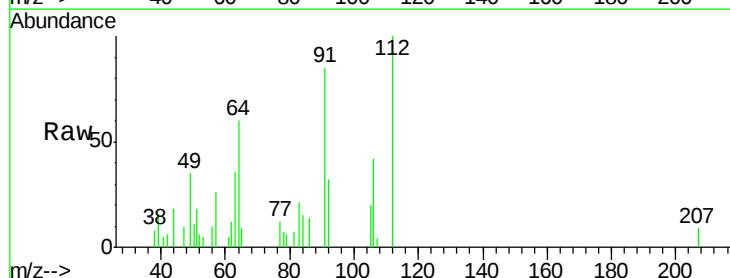
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



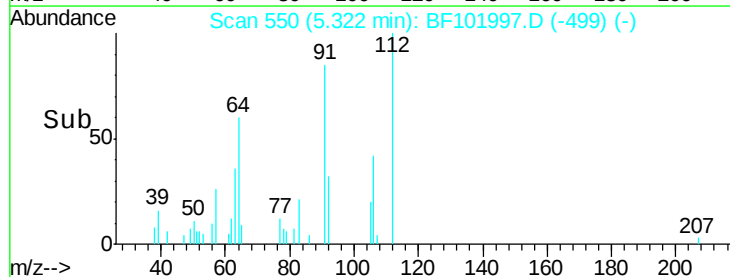
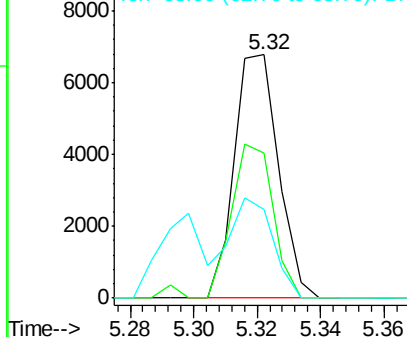
#5

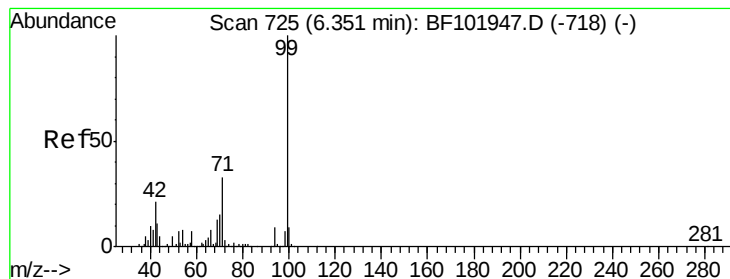
2-Fluorophenol
Concen: 0.444 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Tgt Ion:112 Resp: 6525
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 36.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.455 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

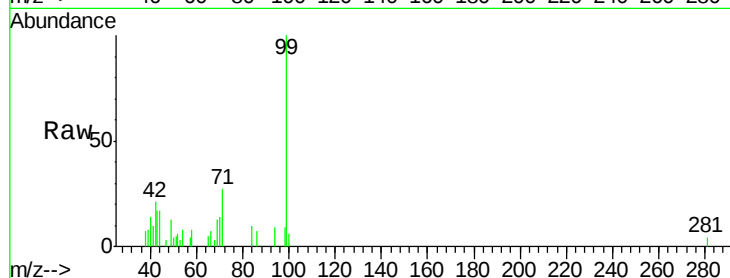
Tot Ion: 99 Resp: 7976

Ion Ratio Lower Upper

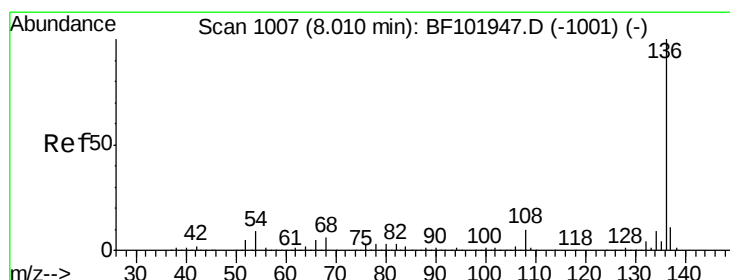
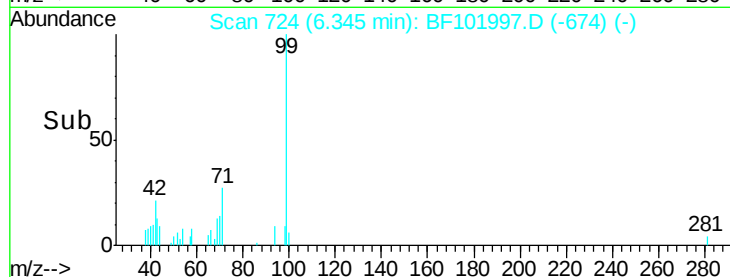
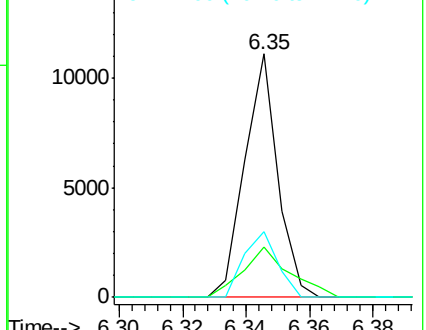
99 100

42 20.5 14.5 21.7

71 26.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Tgt Ion: 136 Resp: 854956

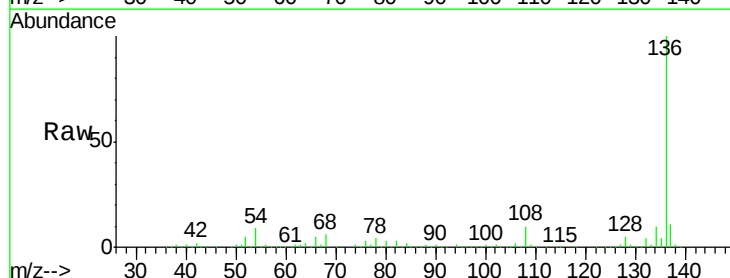
Ion Ratio Lower Upper

136 100

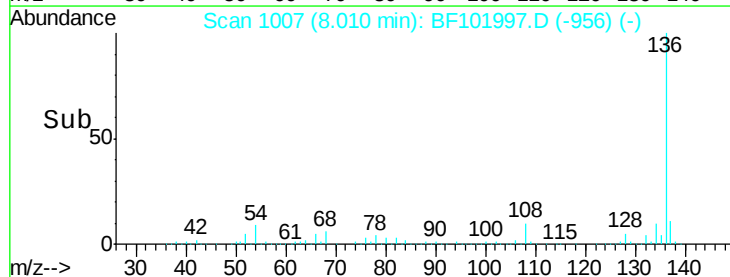
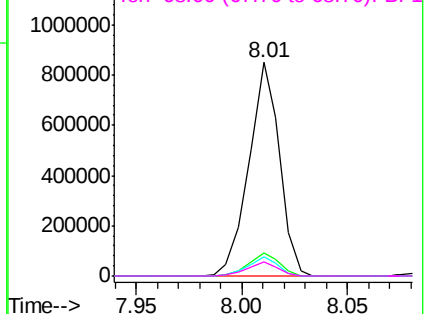
137 11.0 8.9 13.3

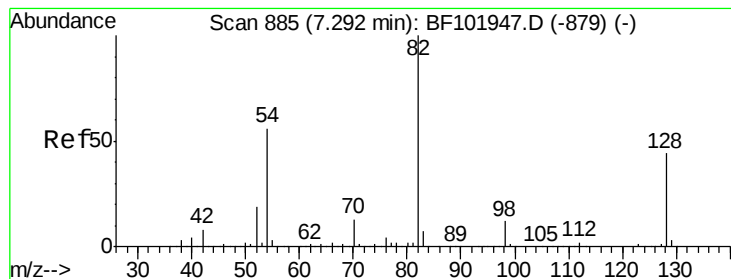
54 8.8 6.6 9.8

68 6.4 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: 0.318 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

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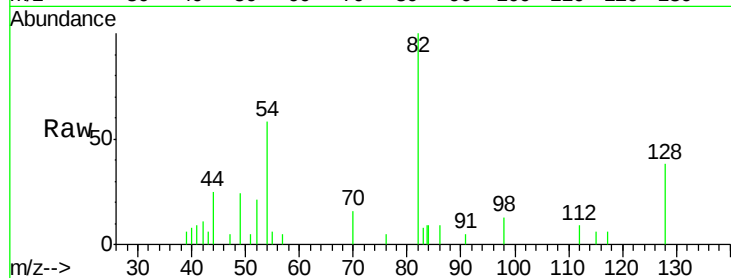
Tot Ion: 82 Resp: 4632

Ion Ratio Lower Upper

82 100

128 38.2 36.1 54.1

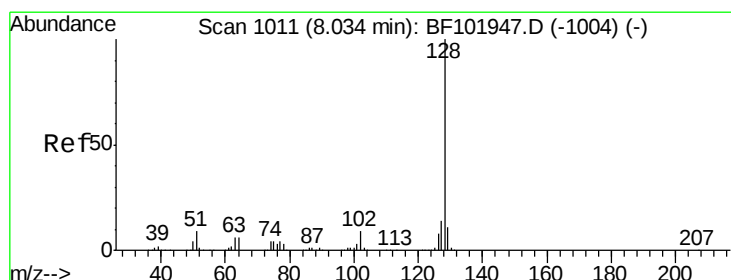
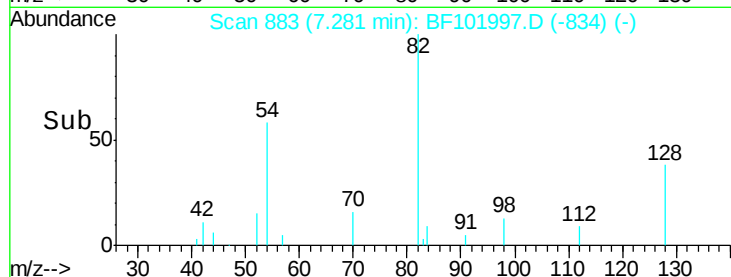
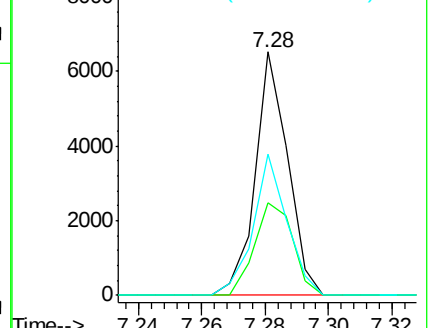
54 58.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 94.414 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

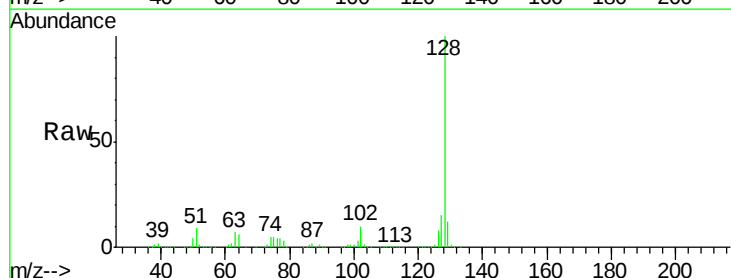
Tgt Ion: 128 Resp: 4033450

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

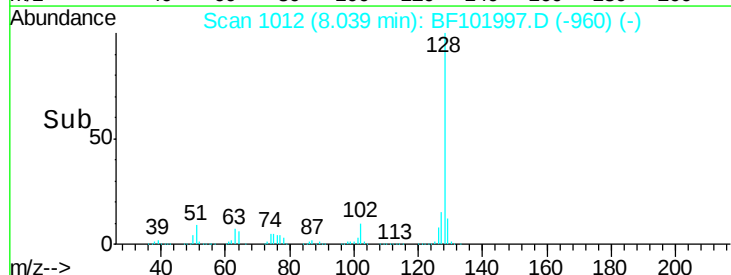
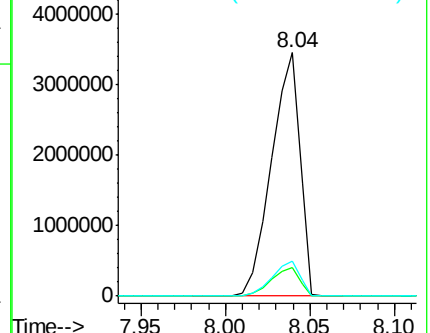
127 14.6 10.9 16.3

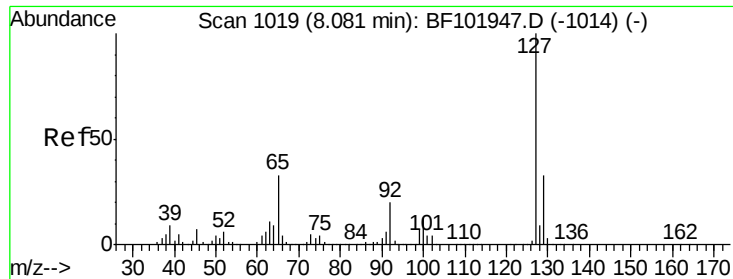


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

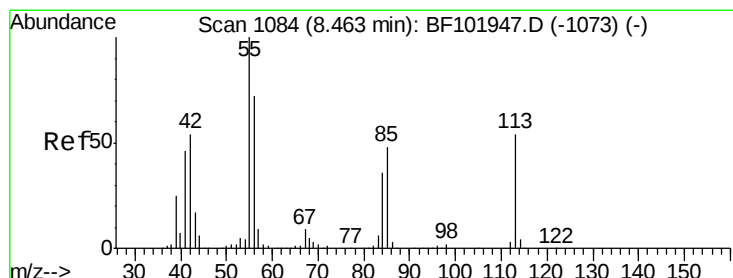
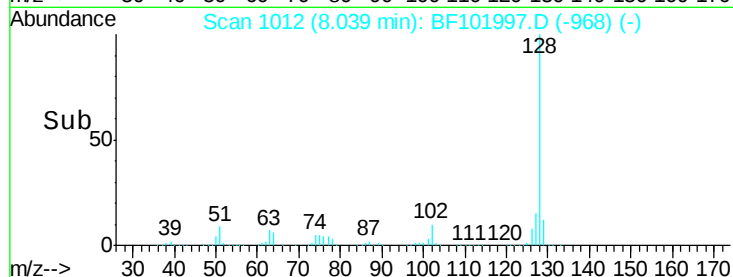
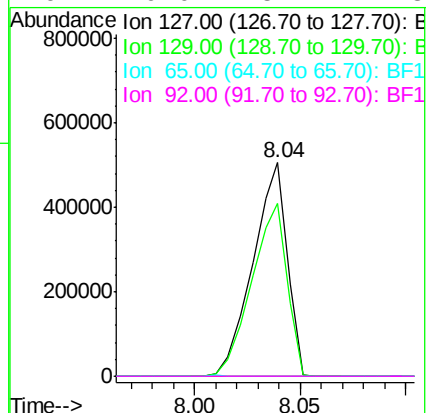
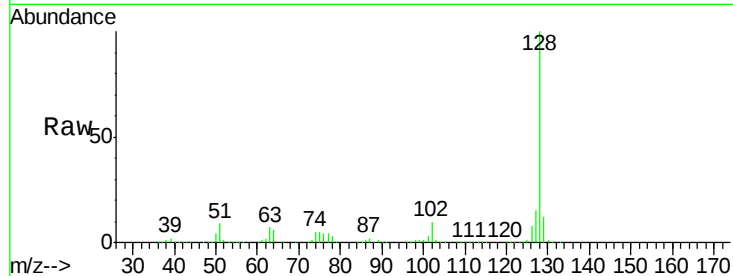




#33
4-Chloroaniline
Concen: 31.198 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.04 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

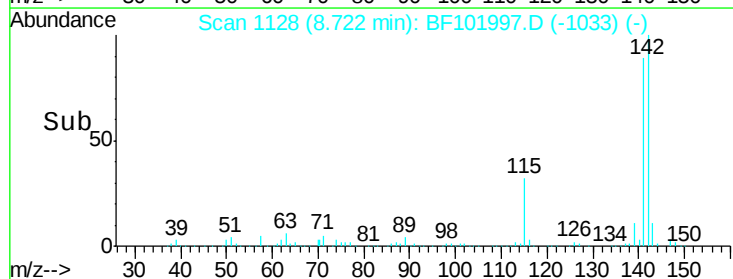
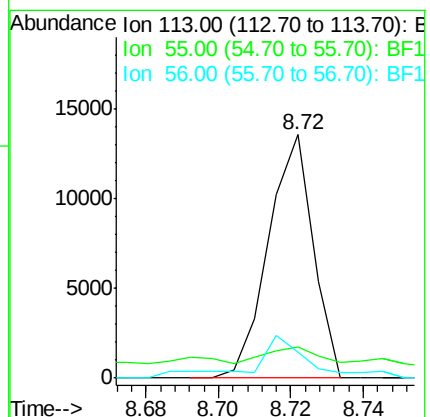
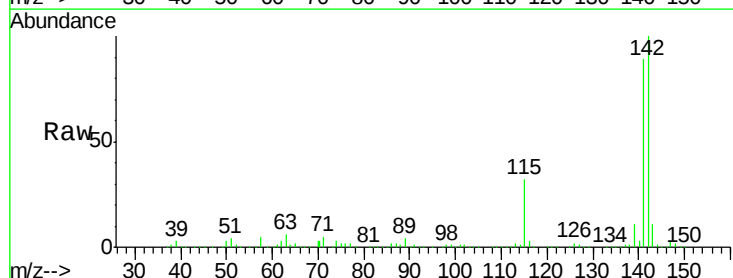
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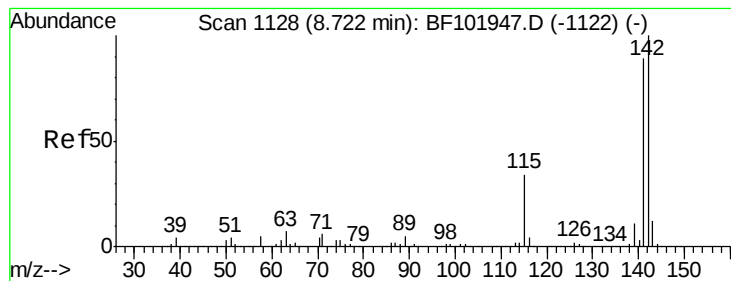
Tot Ion:	127	Resp:	568865
Ion	Ratio	Lower	Upper
127	100		
129	80.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35
Caprolactam
Concen: 2.910 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.26 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Tgt Ion:	113	Resp:	11591
Ion	Ratio	Lower	Upper
113	100		
55	13.0	163.3	203.3#
56	10.7	115.7	155.7#





#37

2-Methylnaphthalene

Concen: 19.754 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

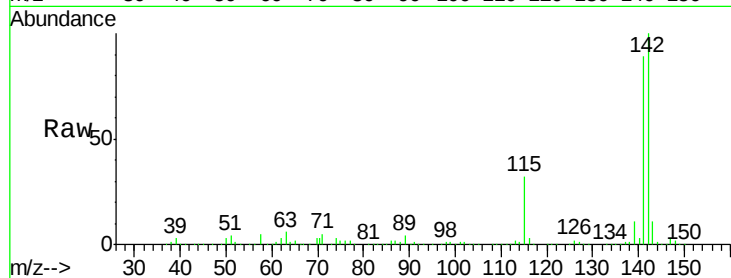
Tot Ion:142 Resp: 555568

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

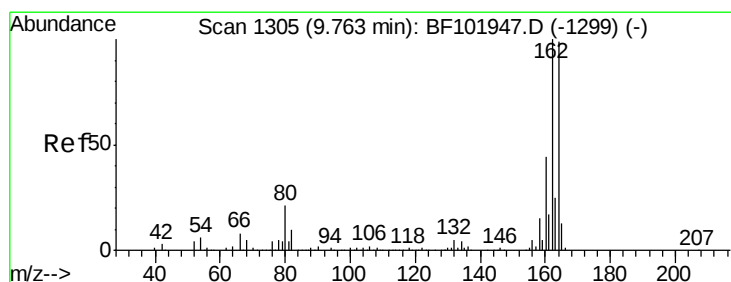
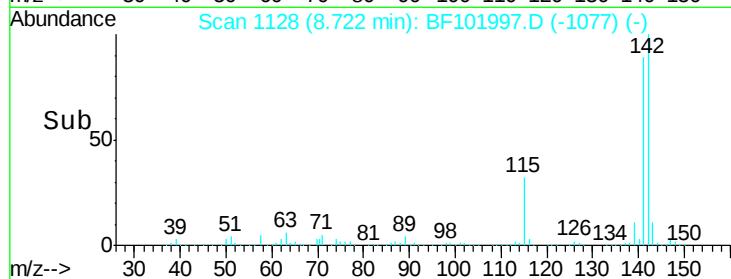
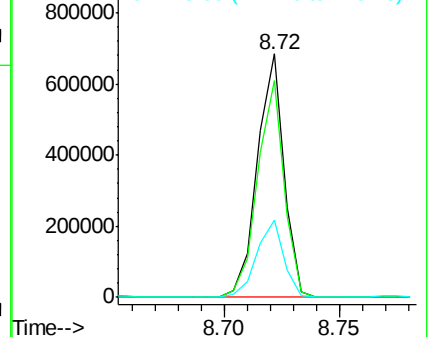
115 31.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

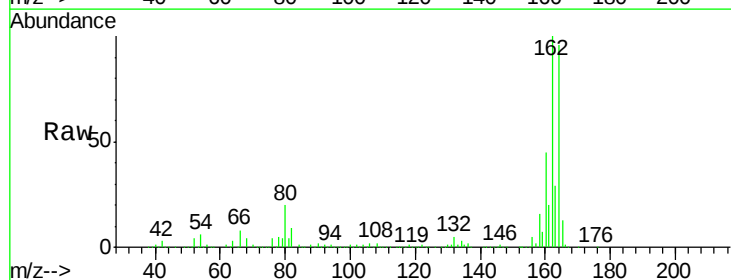
Tgt Ion:164 Resp: 366590

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

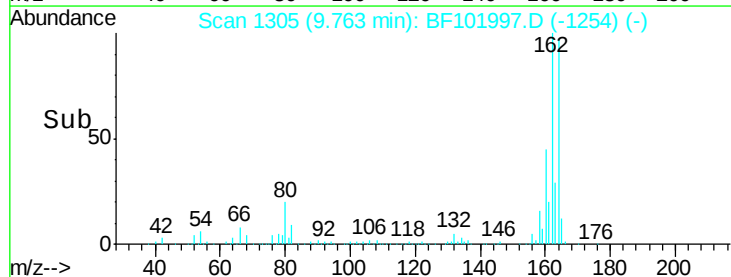
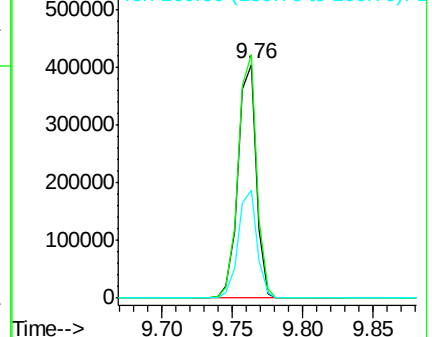
160 46.4 38.3 57.5

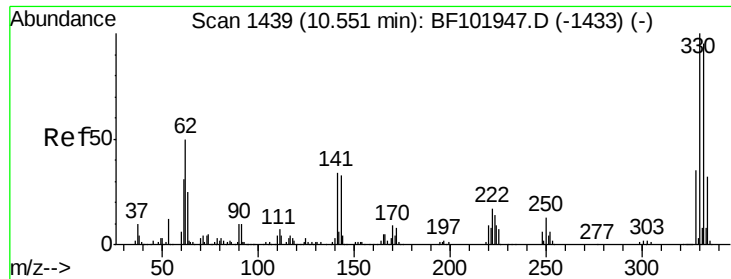


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

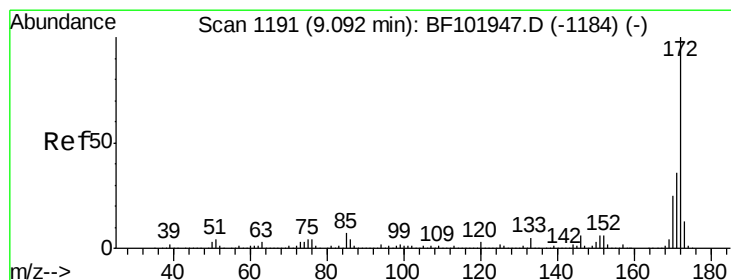
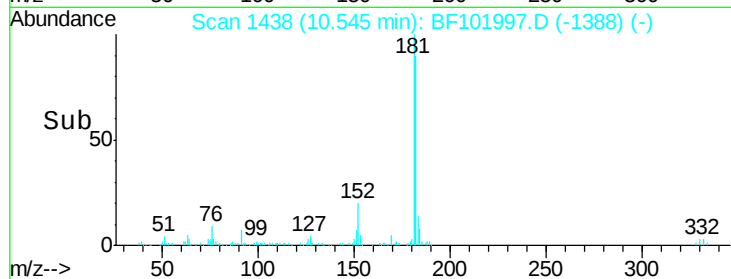
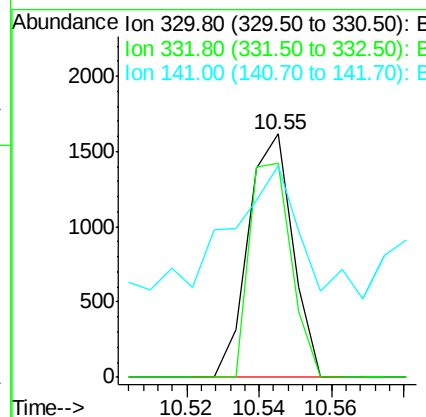
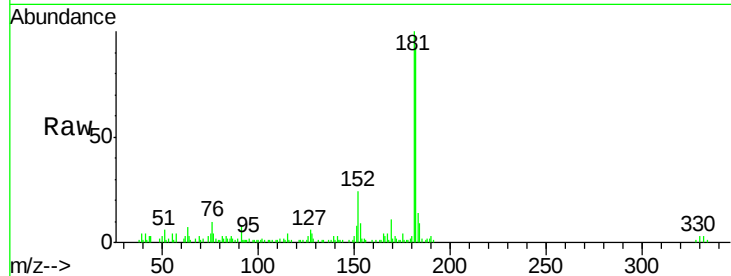




#41
 2,4,6-Tribromophenol
 Concen: 0.431 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101997.D
 Acq: 10 Jan 2018 23:30

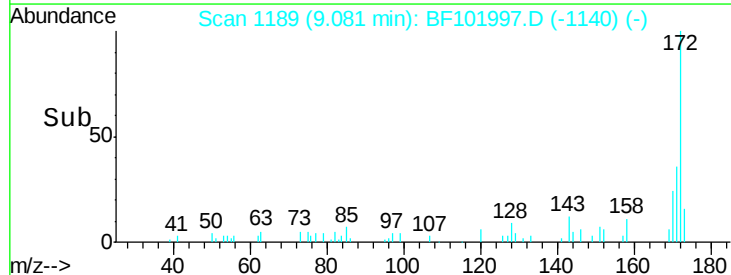
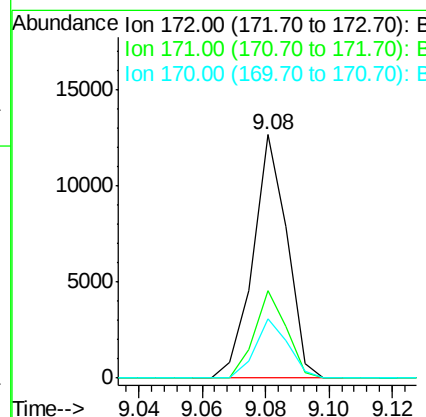
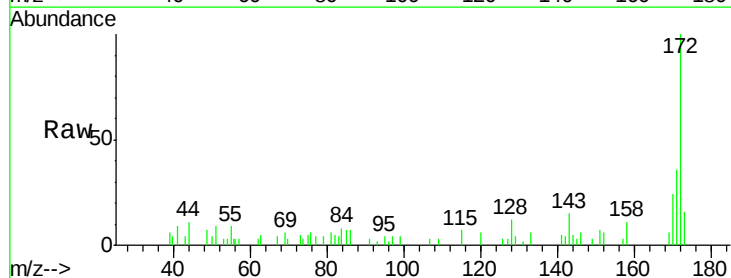
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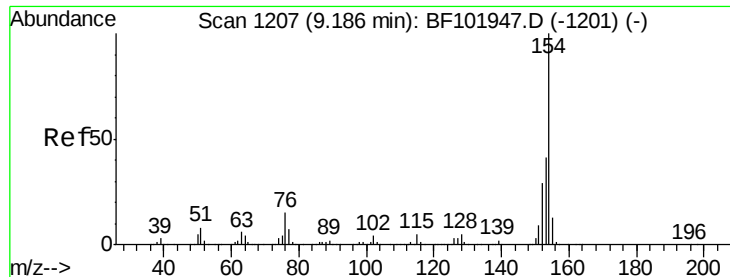
Tot Ion:330 Resp: 1380
 Ion Ratio Lower Upper
 330 100
 332 83.3 77.0 115.6
 141 88.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 0.403 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF101997.D
 Acq: 10 Jan 2018 23:30

Tgt Ion:172 Resp: 9449
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.4 19.6 29.4





#45

1,1'-Biphenyl

Concen: 3.696 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

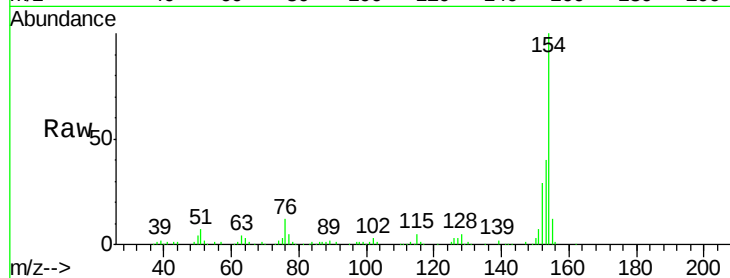
Tot Ion:154 Resp: 119776

Ion Ratio Lower Upper

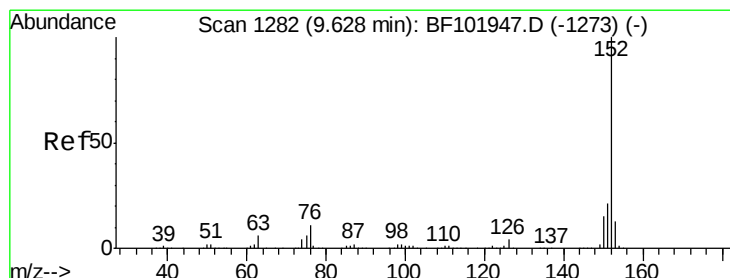
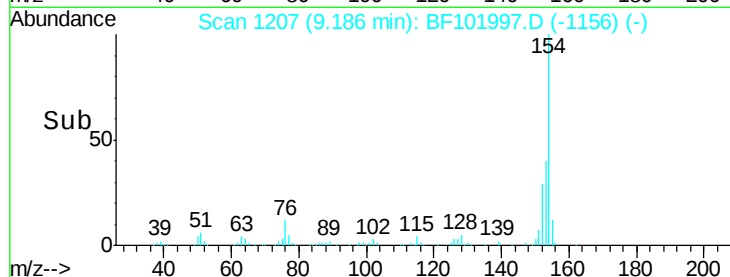
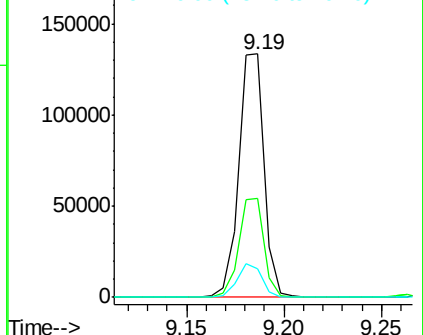
154 100

153 40.5 21.3 61.3

76 11.6 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 9.255 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

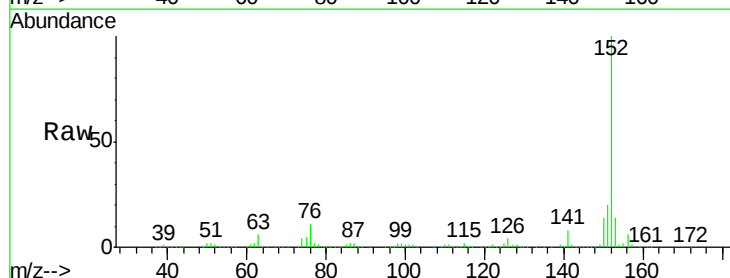
Tgt Ion:152 Resp: 369033

Ion Ratio Lower Upper

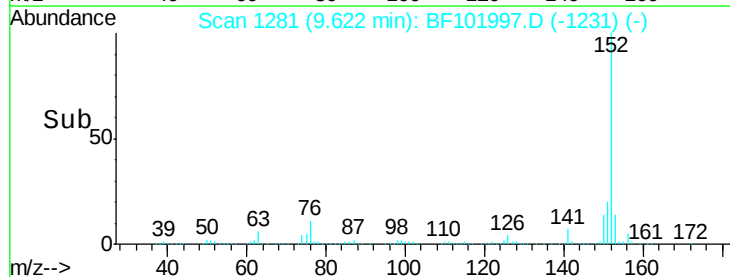
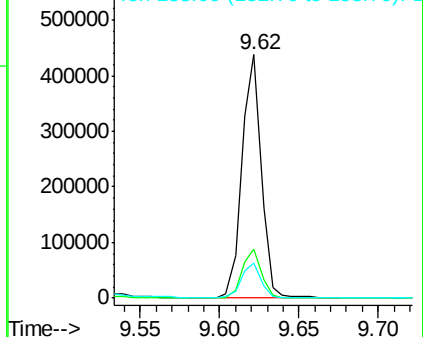
152 100

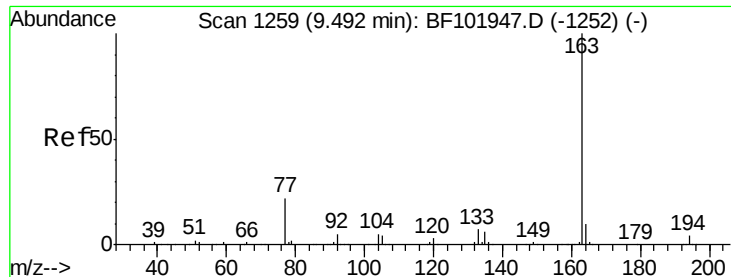
151 20.2 16.3 24.5

153 14.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 3.644 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.27 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

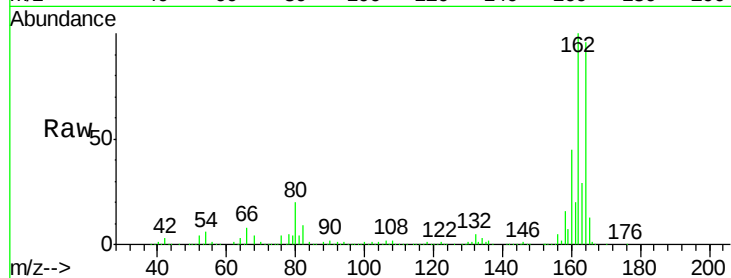
Tot Ion:163 Resp: 107160

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

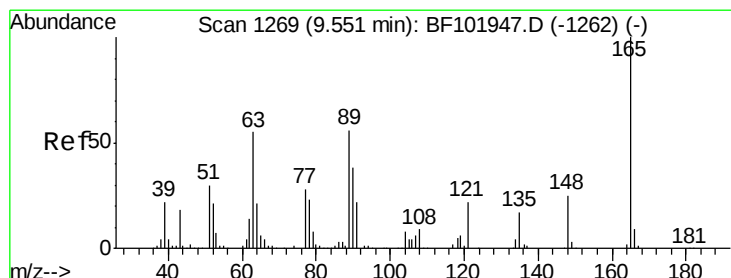
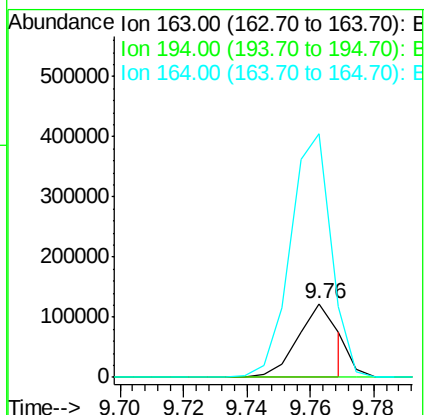
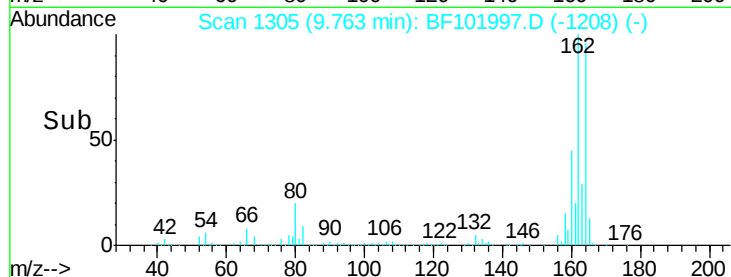
164 329.9 8.2 12.2#



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: 9.669 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

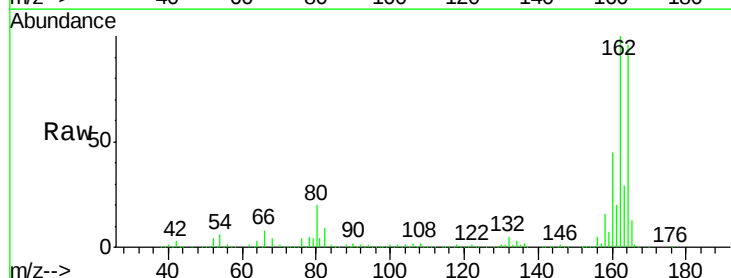
Tgt Ion:165 Resp: 56796

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

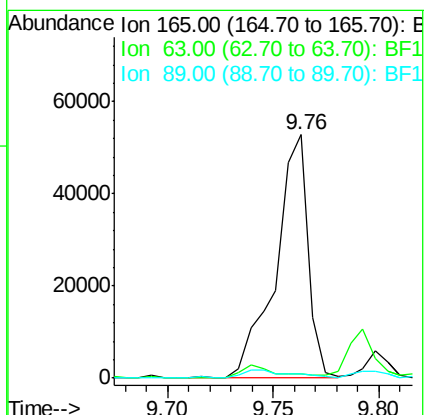
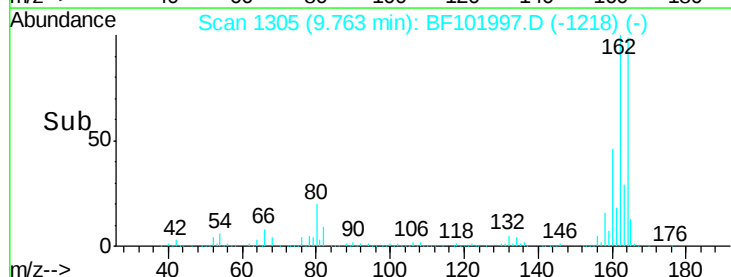
89 1.7 44.0 66.0#

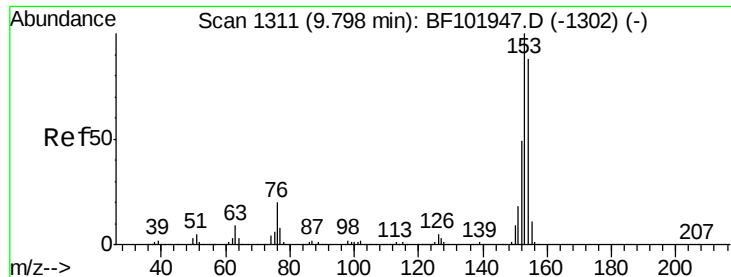


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 3.875 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

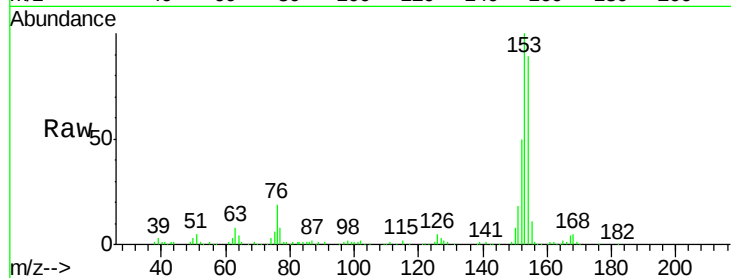
Tot Ion:154 Resp: 93791

Ion Ratio Lower Upper

154 100

153 111.9 91.2 136.8

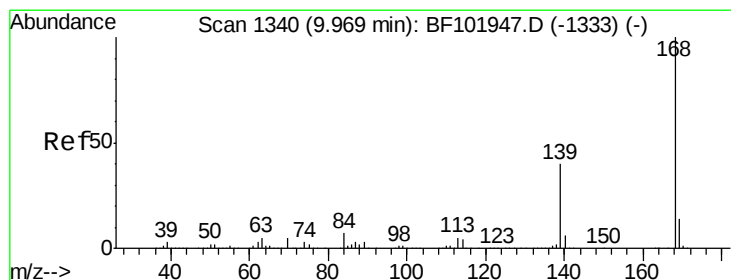
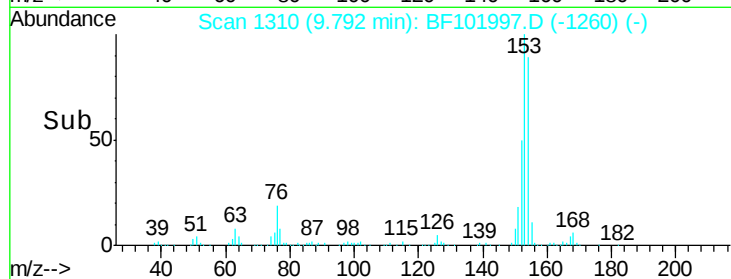
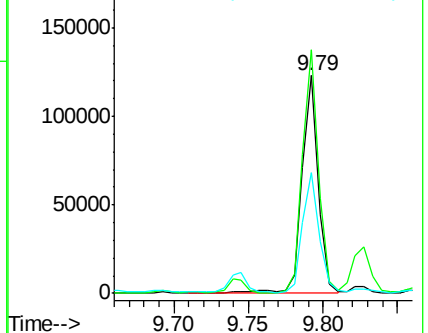
152 55.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.319 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

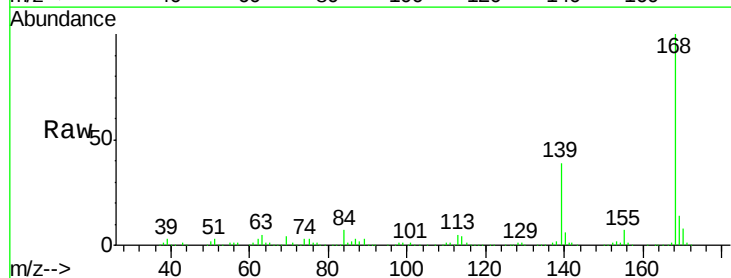
Tgt Ion:168 Resp: 309557

Ion Ratio Lower Upper

168 100

139 38.8 30.1 45.1

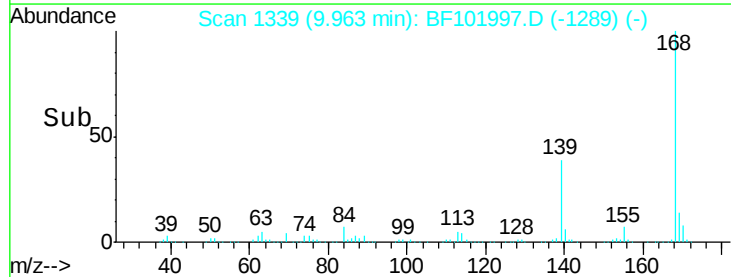
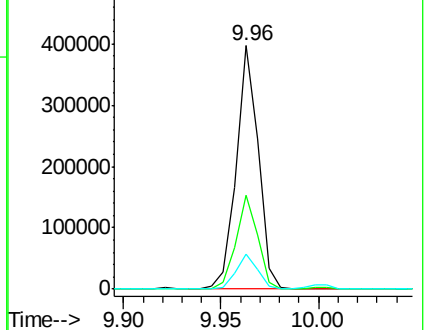
169 14.3 10.9 16.3

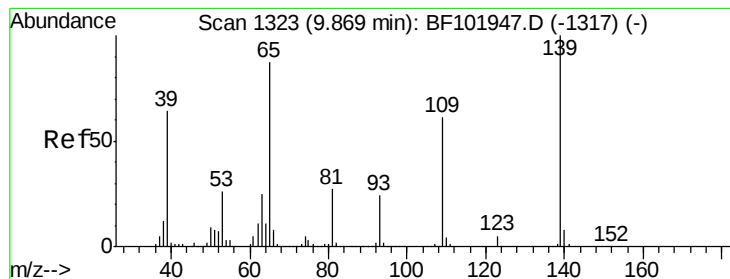


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 21.552 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.09 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

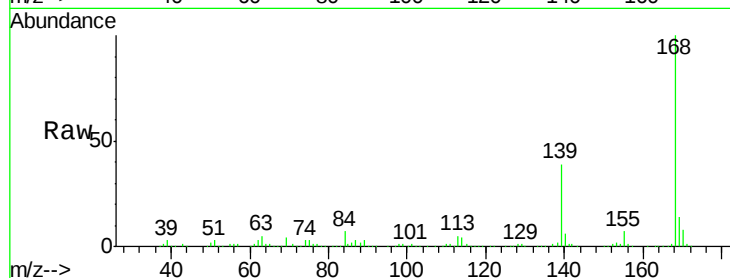
Tot Ion:139 Resp: 119074

Ion Ratio Lower Upper

139 100

109 1.0 48.4 88.4#

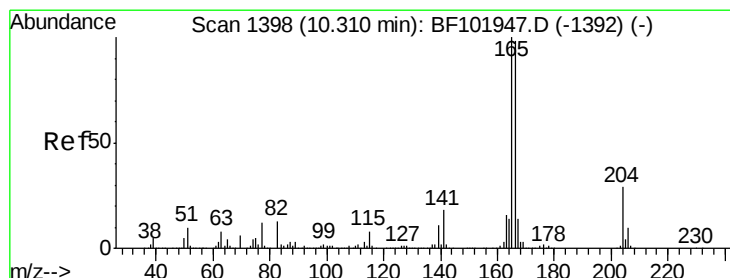
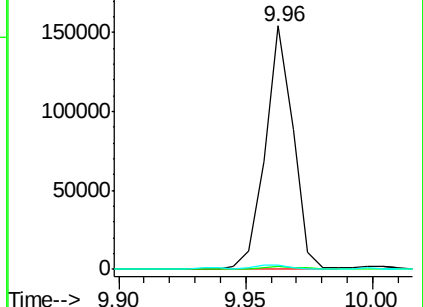
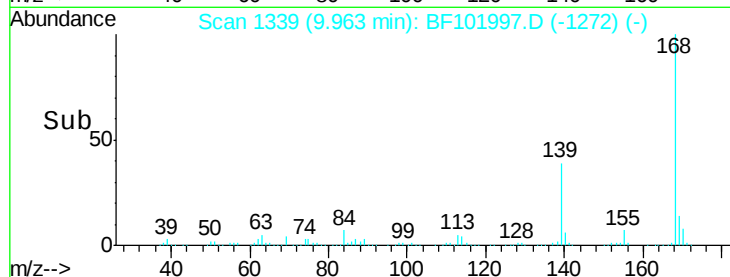
65 1.7 72.6 112.6#



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



#57

Fluorene

Concen: 17.944 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

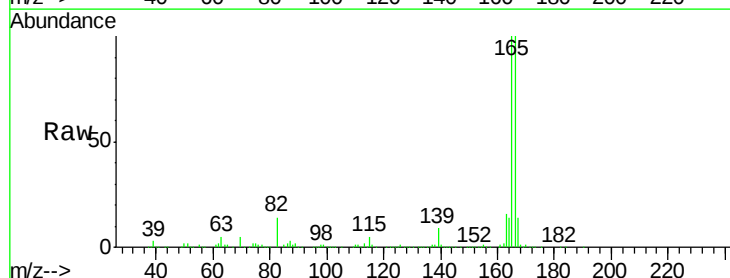
Tgt Ion:166 Resp: 412044

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

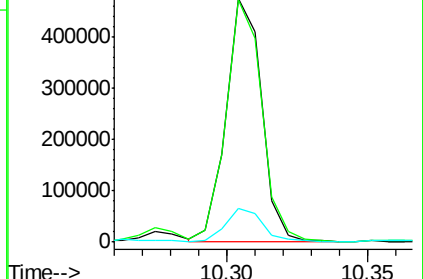
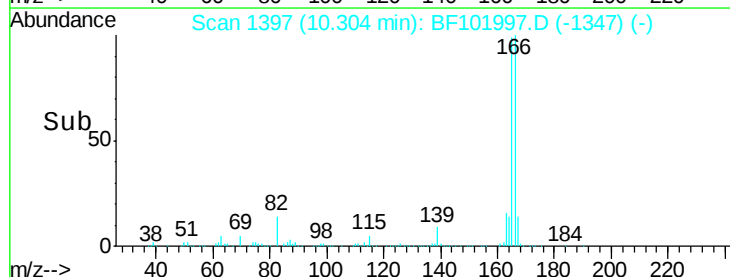
167 13.8 10.6 16.0

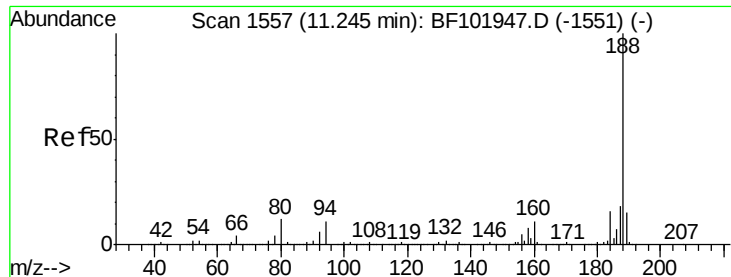


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

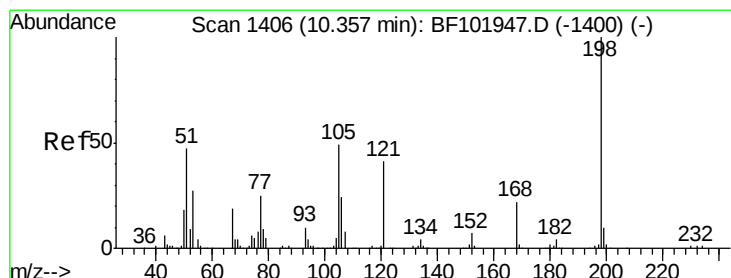
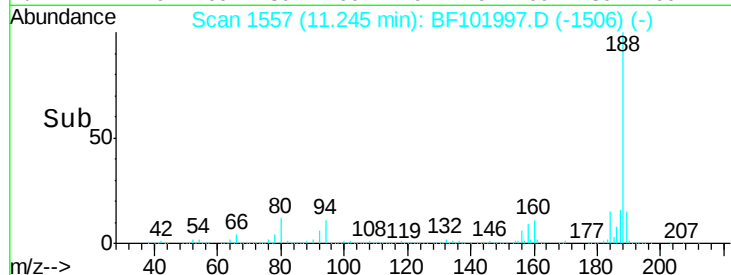
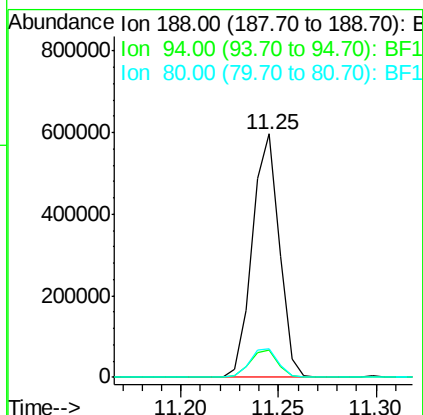
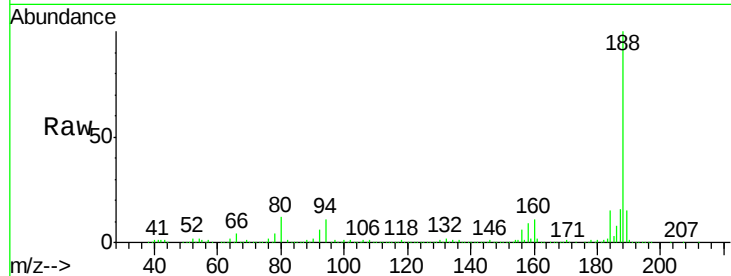




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

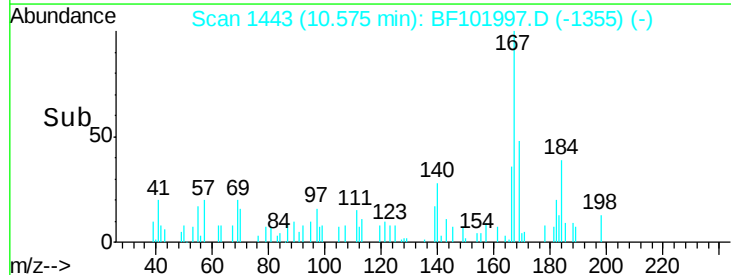
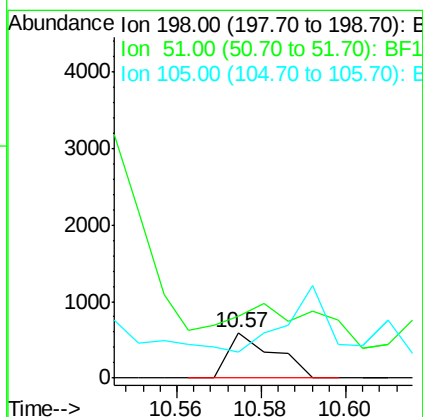
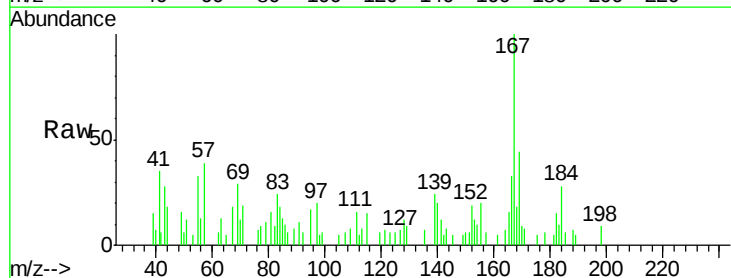
Instrument :
BNA_F
ClientSampleId :
WC-14767779-01

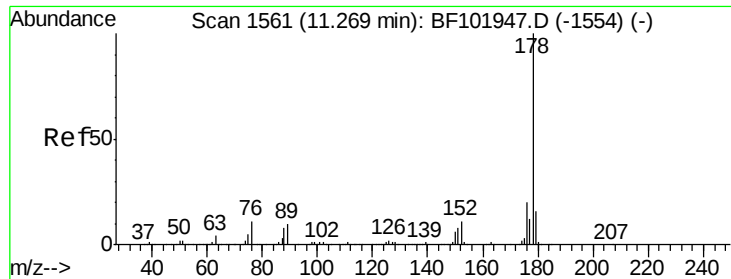
Tot Ion:188 Resp: 571959
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.788 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.22 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Tgt Ion:198 Resp: 442
Ion Ratio Lower Upper
198 100
51 134.8 37.7 77.7#
105 56.2 36.3 76.3





#70

Phenanthrene

Concen: 44.127 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

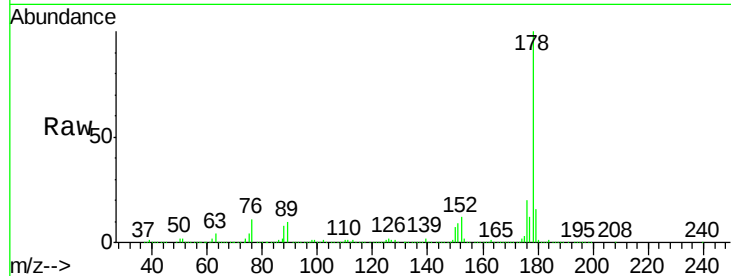
Tot Ion:178 Resp: 1474274

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

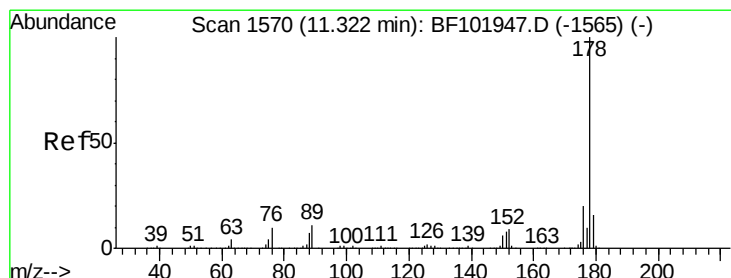
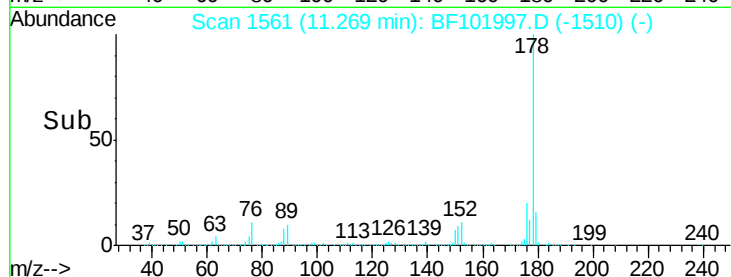
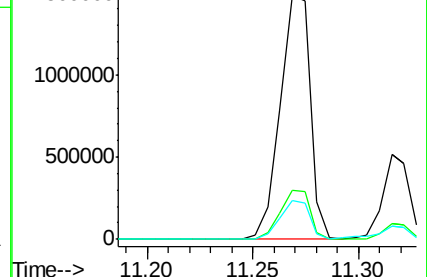
179 15.8 13.0 19.6



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: 13.018 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

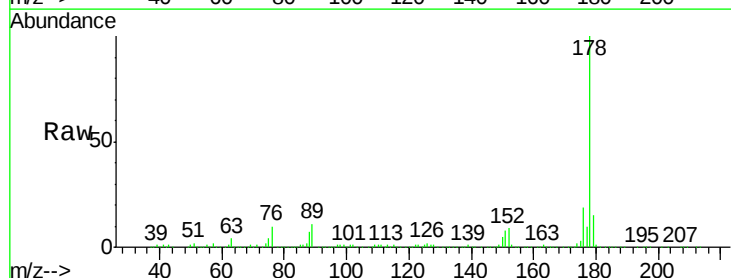
Tgt Ion:178 Resp: 441085

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

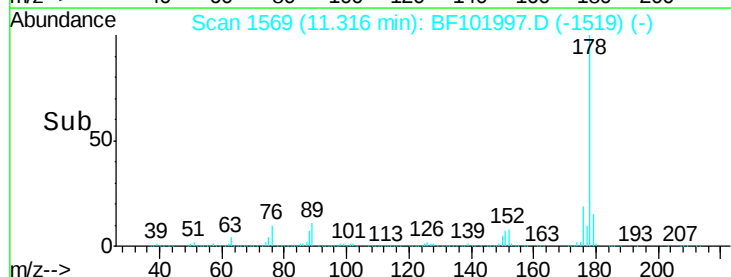
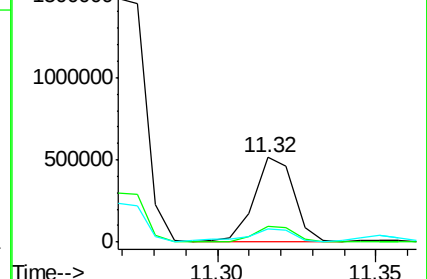
179 15.5 12.6 19.0

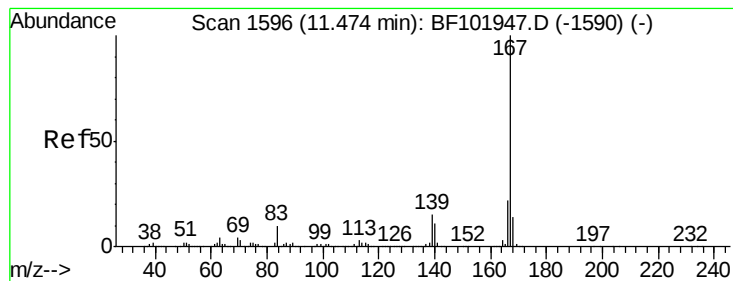


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.581 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

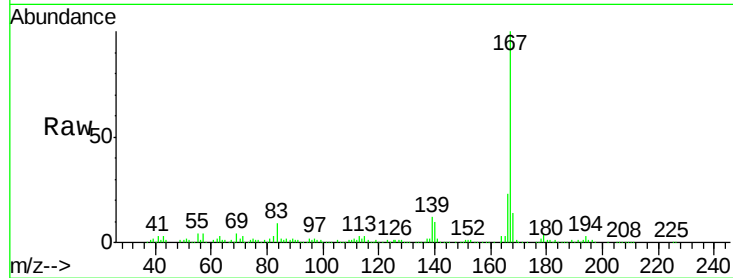
Tot Ion:167 Resp: 152584

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

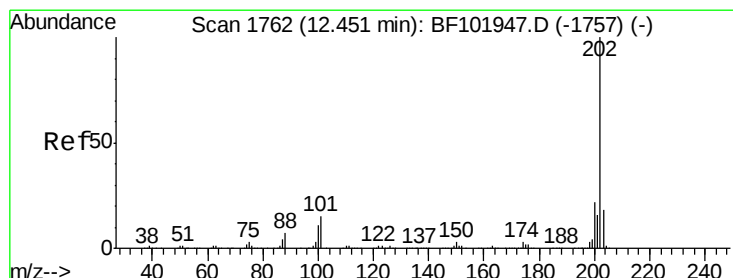
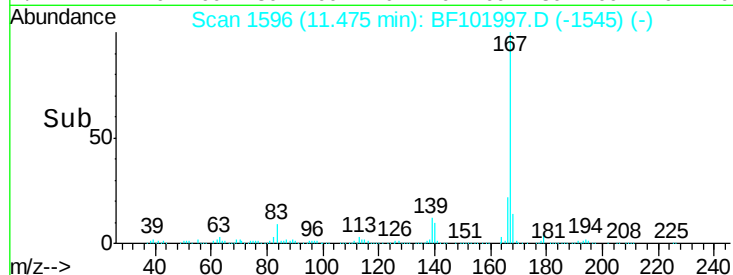
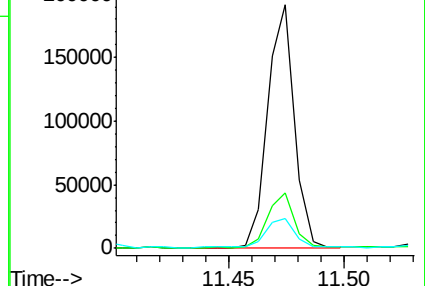
139 12.4 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 27.620 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

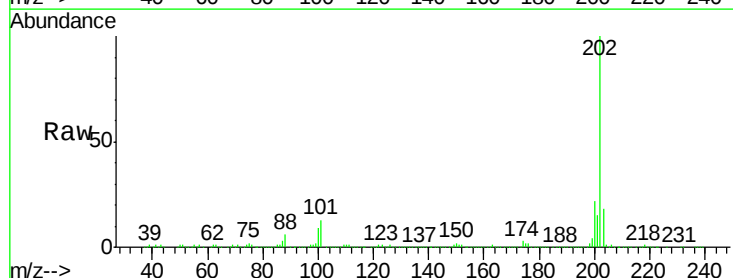
Tgt Ion:202 Resp: 907907

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

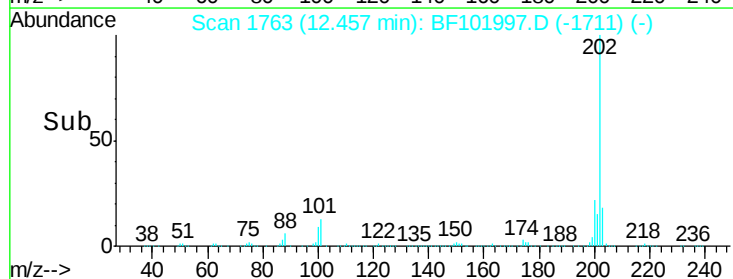
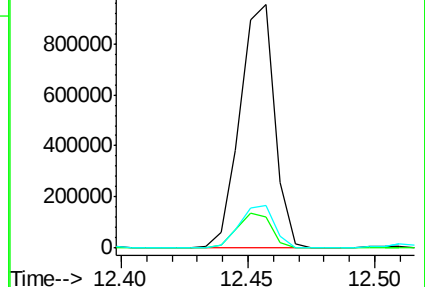
203 17.7 0.0 38.1

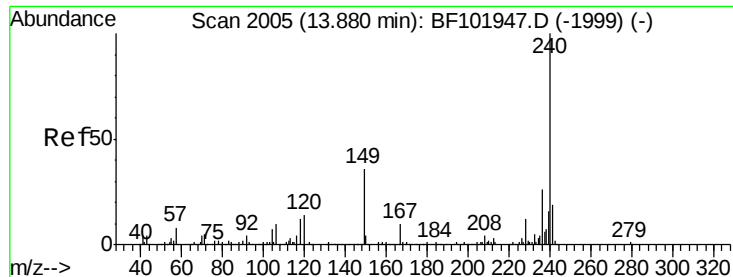


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

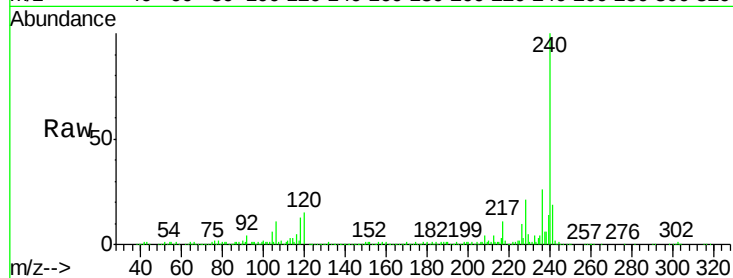
Tot Ion:240 Resp: 339006

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

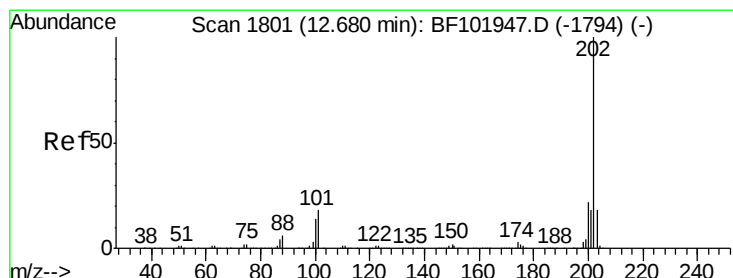
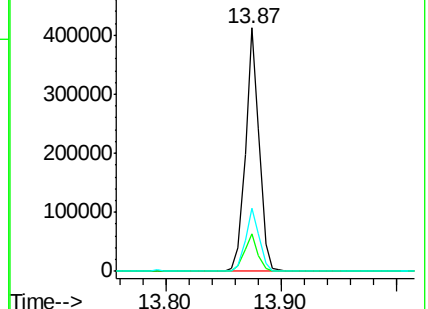
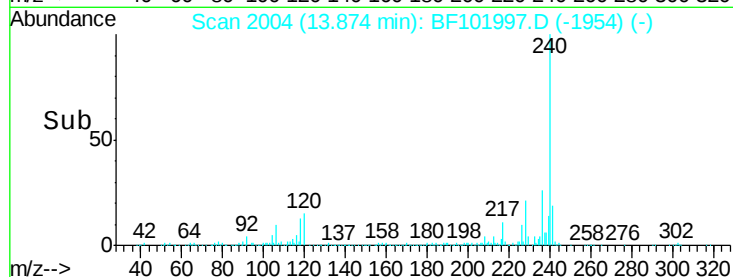
236 25.7 20.7 31.1



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: 27.838 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

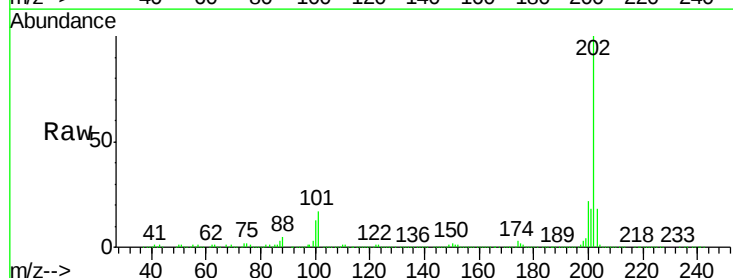
Tgt Ion:202 Resp: 834192

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

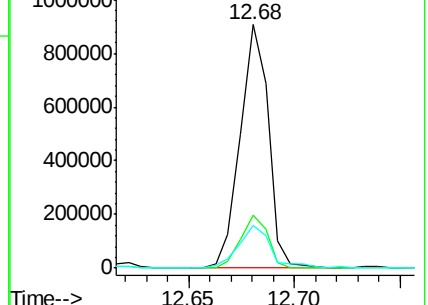
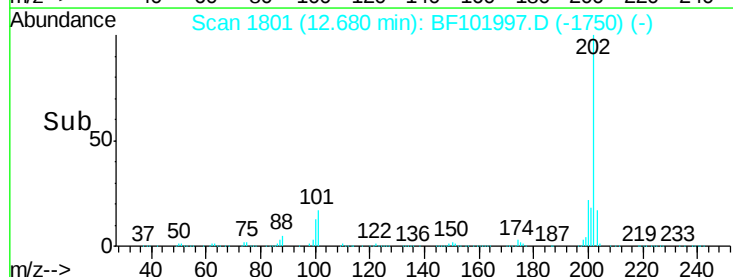
203 17.7 14.3 21.5

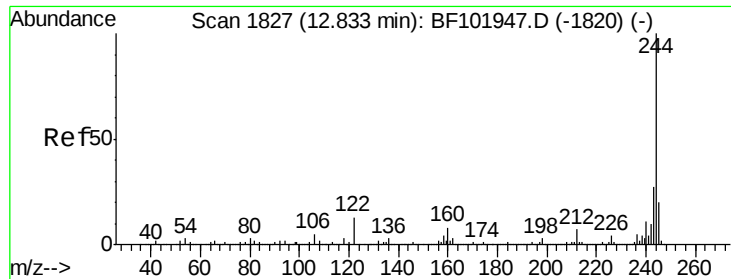


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.427 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

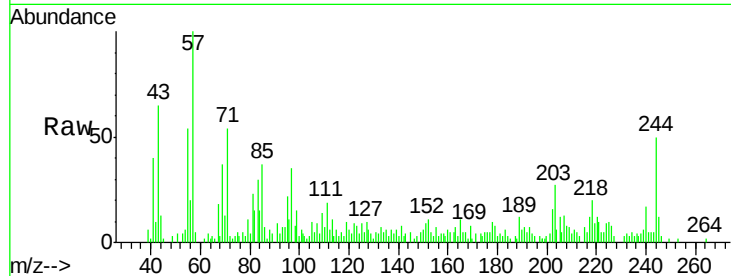
Tot Ion:244 Resp: 6978

Ion Ratio Lower Upper

244 100

212 9.5 5.4 8.0#

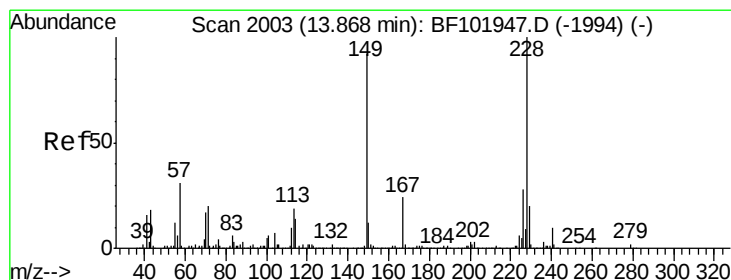
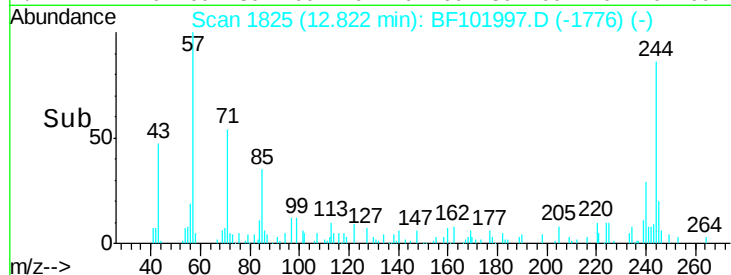
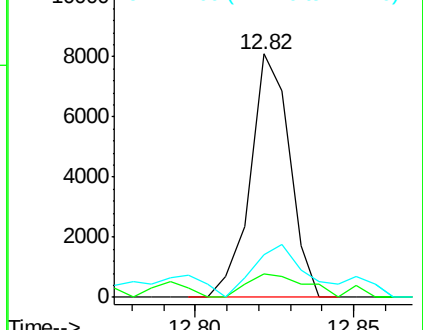
122 17.6 11.0 16.4#



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: 12.734 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

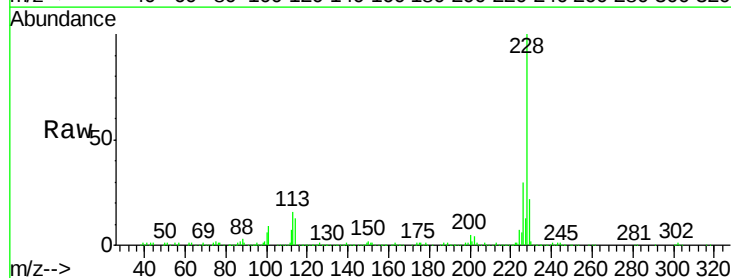
Tgt Ion:228 Resp: 275423

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

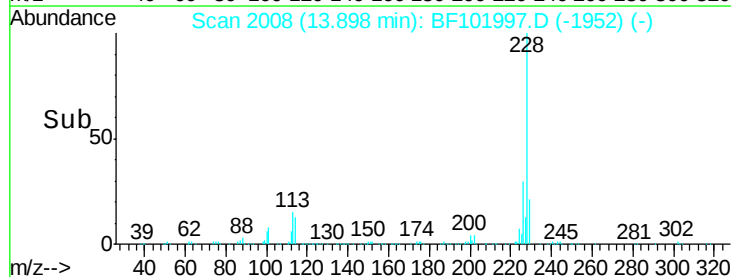
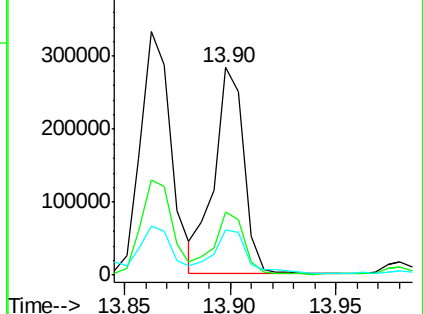
229 21.9 15.8 23.6

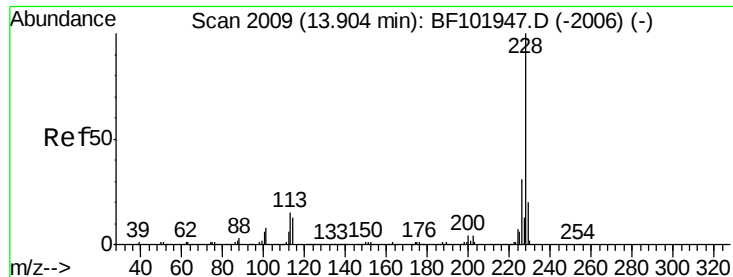


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.212 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

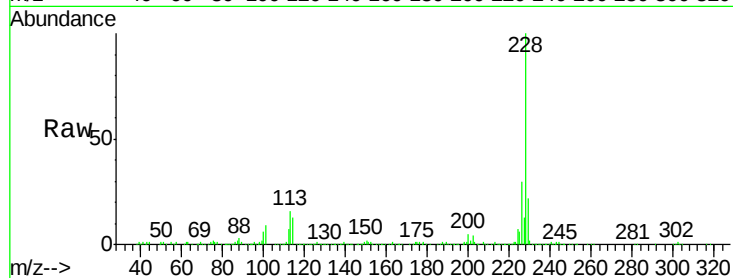
Tot Ion:228 Resp: 275423

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

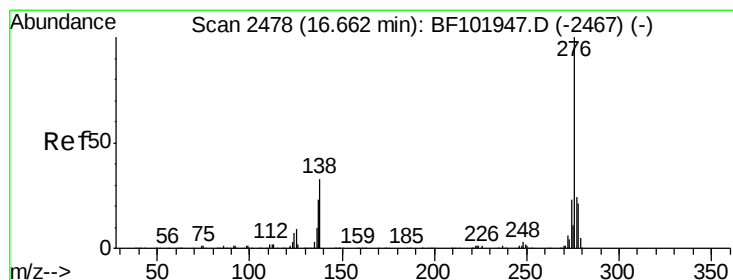
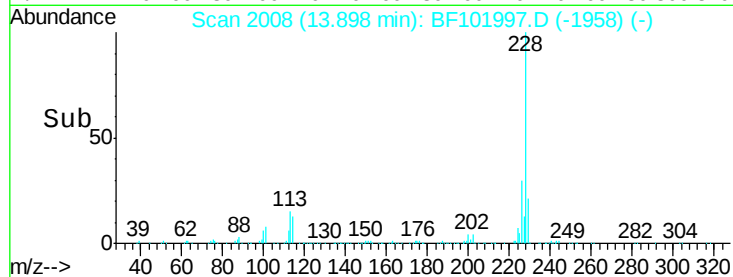
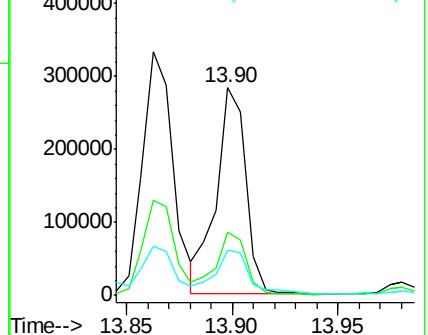
229 21.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.913 ng

RT: 16.66 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

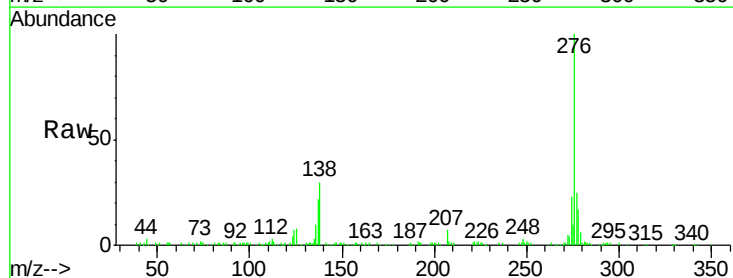
Tgt Ion:276 Resp: 162726

Ion Ratio Lower Upper

276 100

138 30.8 25.0 37.6

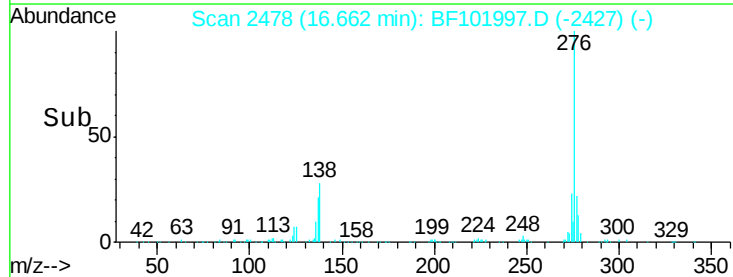
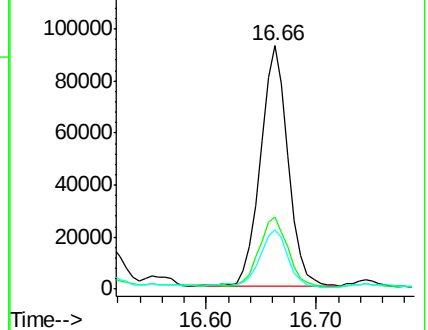
277 25.3 20.1 30.1

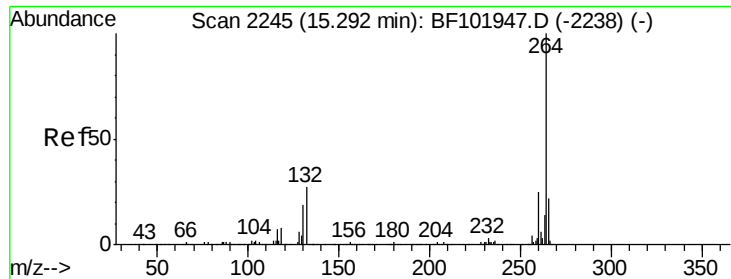


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



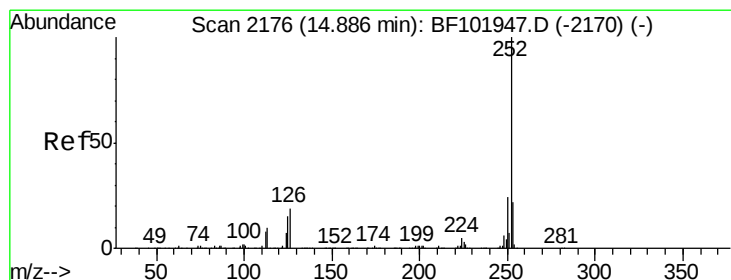
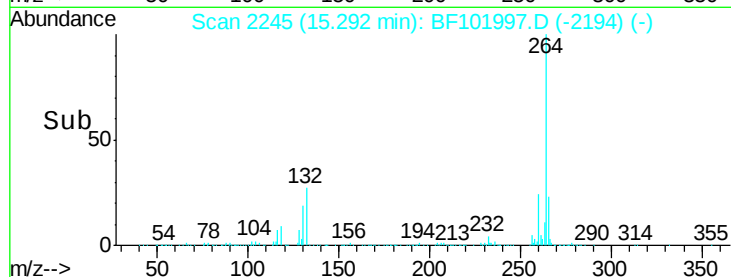
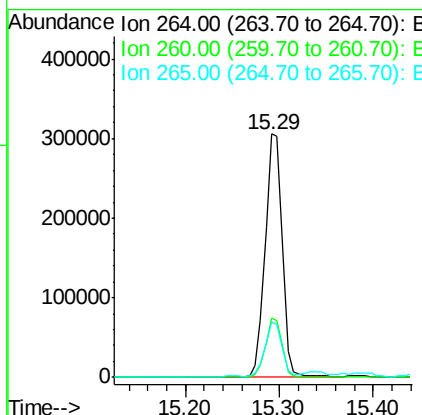
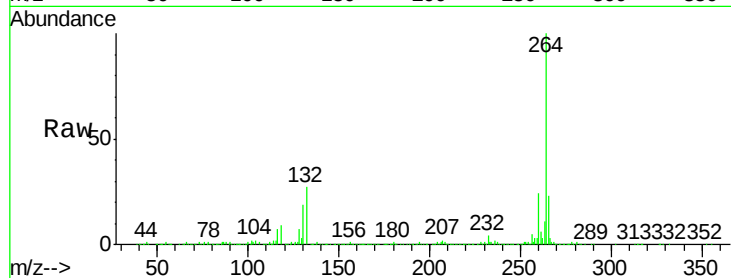


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Instrument :
BNA_F
ClientSampleId :
WC-14767779-01

Tot Ion:264 Resp: 387085

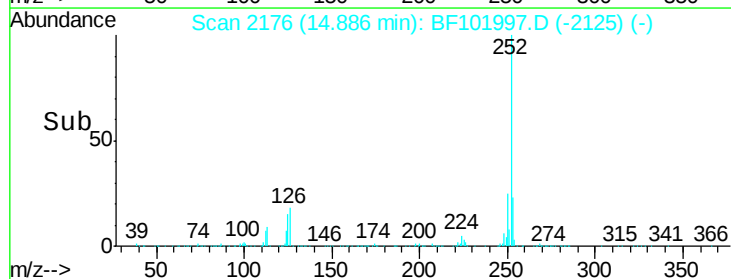
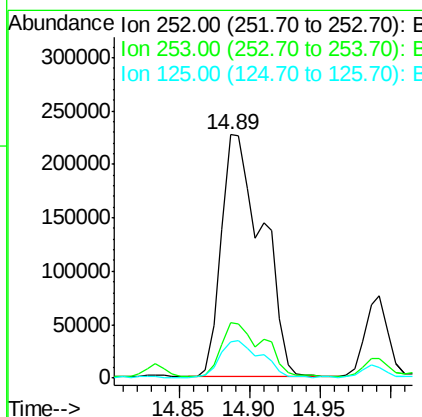
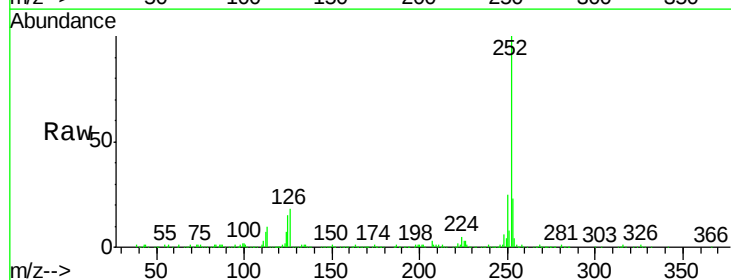
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.6	17.5	26.3

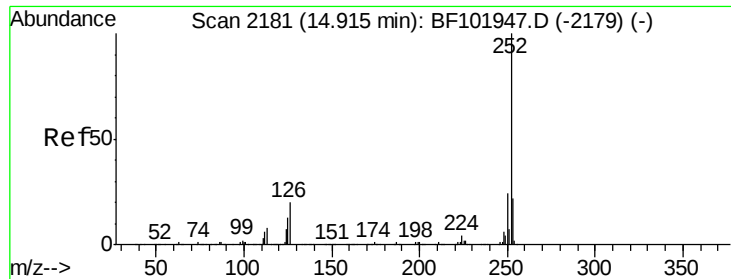


#87
Benzo(b)fluoranthene
Concen: 18.315 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF101997.D
Acq: 10 Jan 2018 23:30

Tgt Ion:252 Resp: 462254

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	15.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 18.986 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

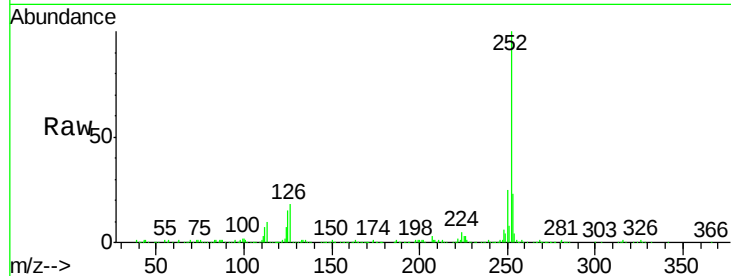
Tot Ion:252 Resp: 462254

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

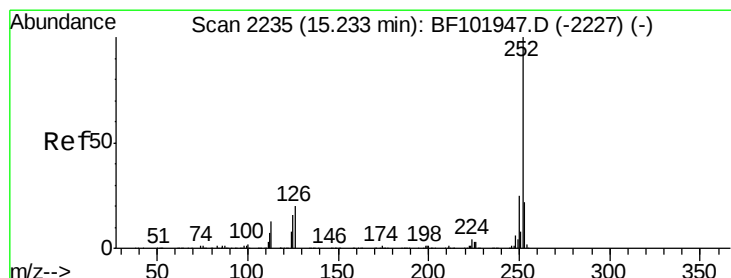
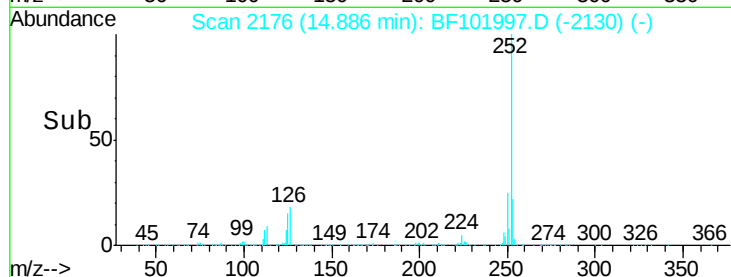
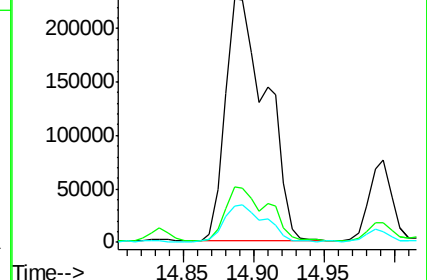
125 15.1 10.2 15.2



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: 13.399 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

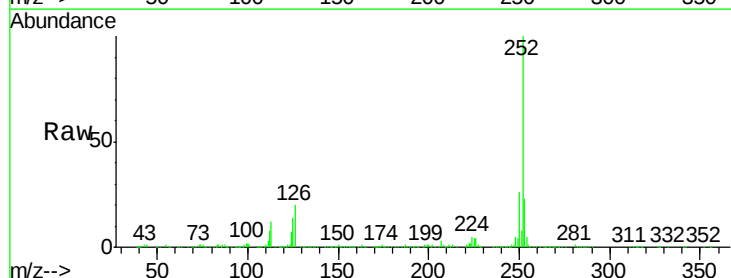
Tgt Ion:252 Resp: 304314

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

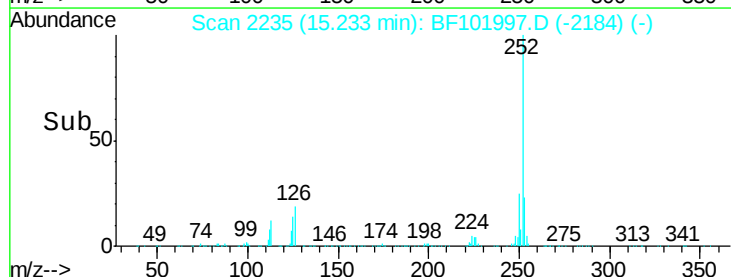
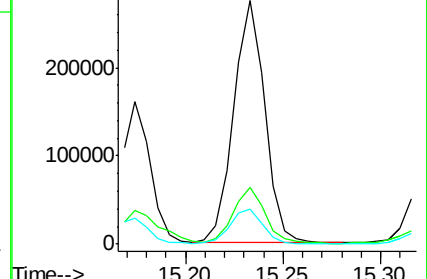
125 14.4 9.8 14.6

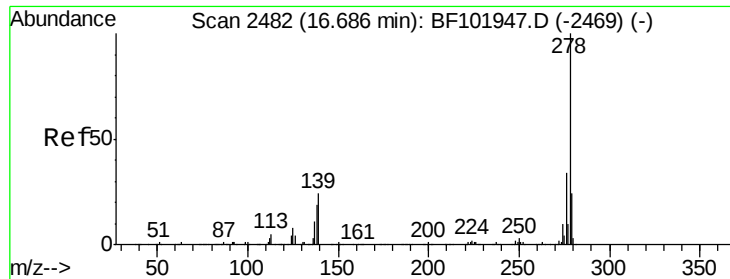


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.508 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

Instrument :

BNA_F

ClientSampleId :

WC-14767779-01

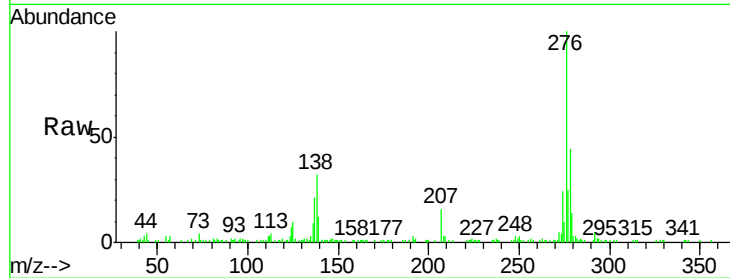
Tot Ion:278 Resp: 45452

Ion Ratio Lower Upper

278 100

139 26.4 15.9 23.9#

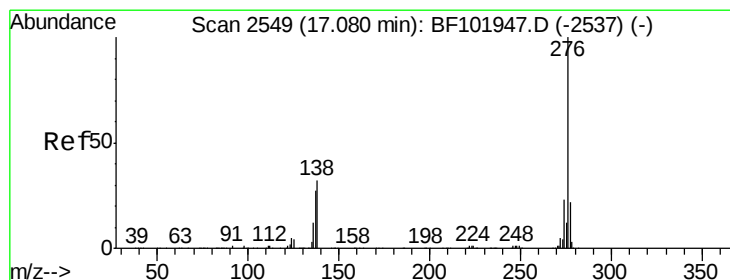
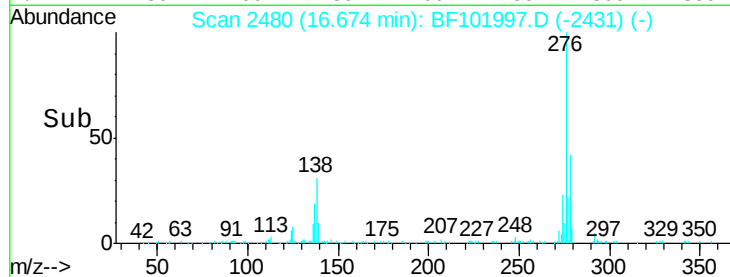
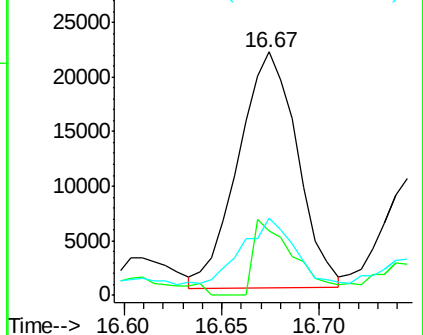
279 31.5 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.613 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF101997.D

Acq: 10 Jan 2018 23:30

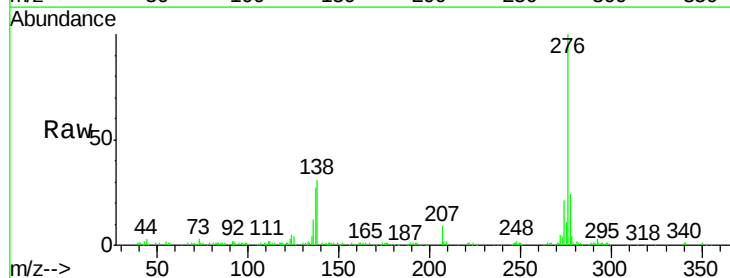
Tgt Ion:276 Resp: 157256

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 31.1 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

