

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011518\
 Data File : BF102066.D
 Acq On : 15 Jan 2018 16:47
 Operator : SJ/JU
 Sample : J1134-03 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB97-E

Quant Time: Jan 15 17:30:47 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	193795	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	797427	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	345935	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	525841	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	299685	20.00	ng	-0.01
86) Perylene-d12	15.29	264	357328	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	12788	0.93	ng	-0.01
7) Phenol-d6	6.34	99	17154	1.05	ng	-0.02
23) Nitrobenzene-d5	7.27	82	9959	0.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	2472	0.82	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	21734	0.98	ng	-0.02
78) Terphenyl-d14	12.82	244	14100	0.98	ng	-0.02

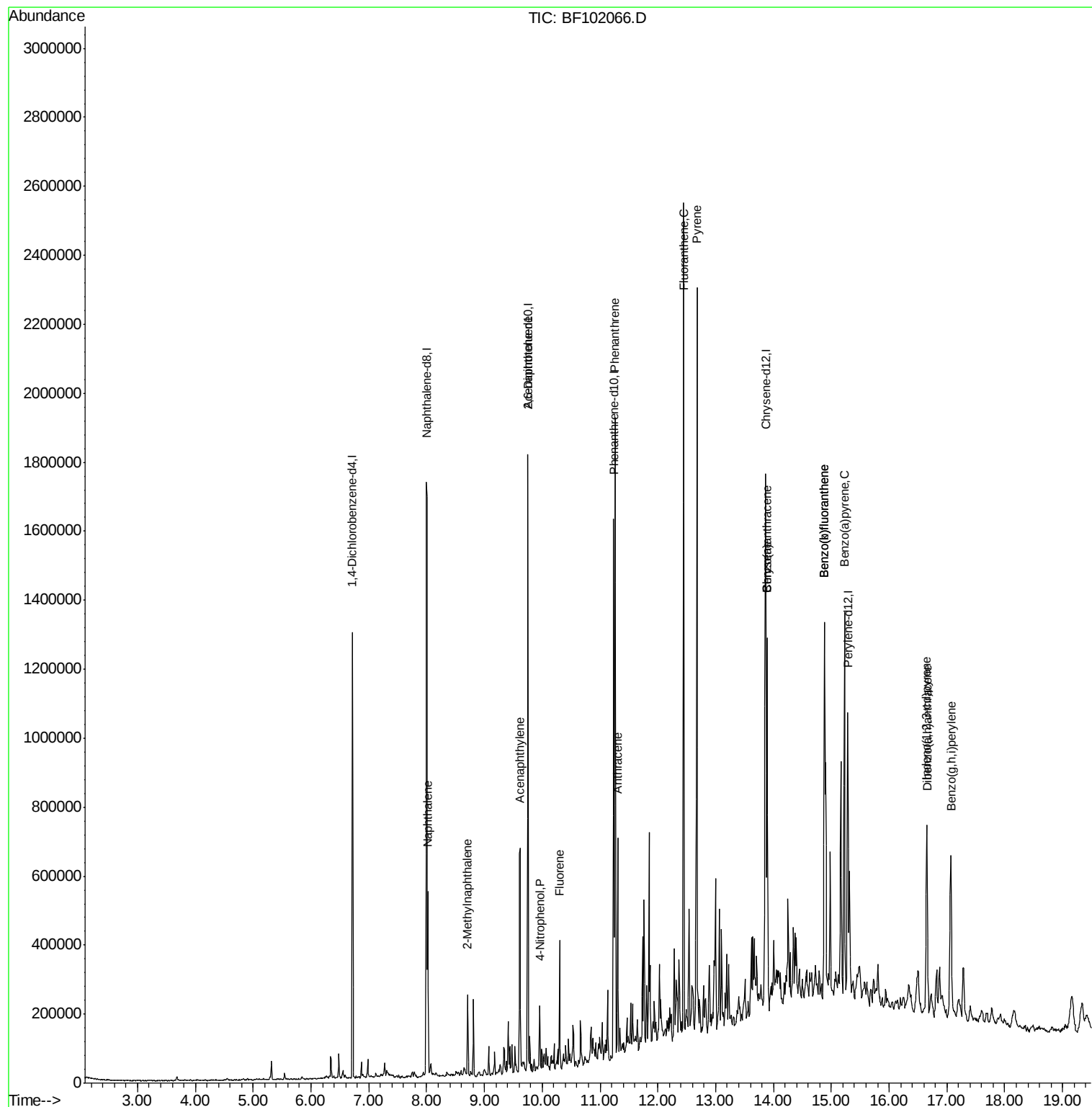
Target Compounds				Qvalue		
31) Naphthalene	8.02	128	197493	4.956	ng	98
37) 2-Methylnaphthalene	8.71	142	57706	2.200	ng	99
48) Acenaphthylene	9.62	152	253262	6.730	ng	99
50) 2,6-Dinitrotoluene	9.75	165	47424	8.555	ng	# 25
55) 4-Nitrophenol	9.96	139	21103	4.048	ng	# 12
57) Fluorene	10.30	166	92544	4.271	ng	99
70) Phenanthrene	11.26	178	618935	20.150	ng	99
71) Anthracene	11.31	178	225772	7.247	ng	99
74) Fluoranthene	12.45	202	878370	29.065	ng	100
77) Pyrene	12.67	202	839659	31.697	ng	99
80) Benzo(a)anthracene	13.89	228	363337	19.002	ng	96
82) Chrysene	13.89	228	363337	18.224	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	335243	23.102	ng	98
87) Benzo(b)fluoranthene	14.88	252	807403	34.654	ng	# 95
88) Benzo(k)fluoranthene	14.88	252	807403	35.923	ng	98
89) Benzo(a)pyrene	15.23	252	484692	23.118	ng	97
90) Dibenzo(a,h)anthracene	16.66	278	90303	5.397	ng	# 91
91) Benzo(g,h,i)perylene	17.07	276	329709	19.563	ng	96

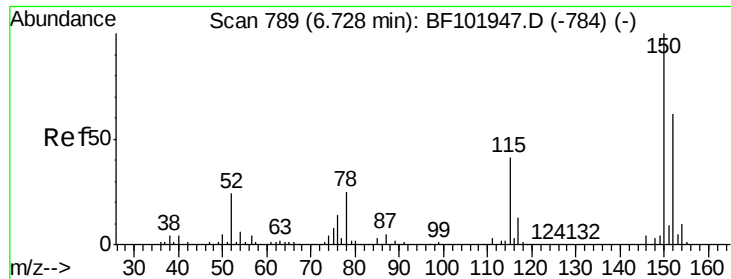
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011518\
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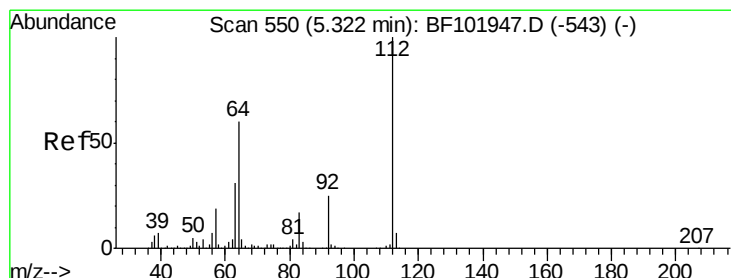
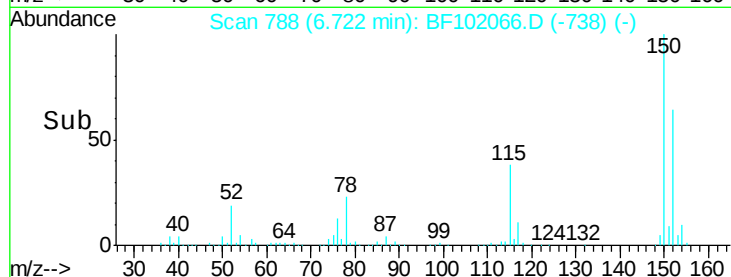
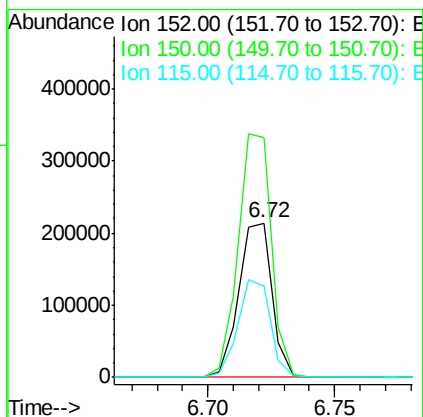
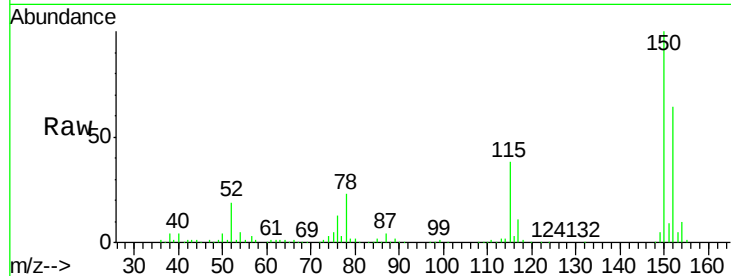


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

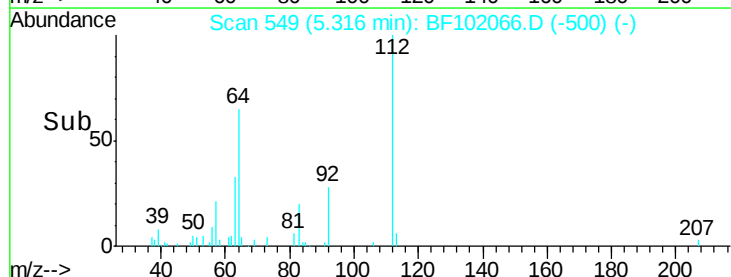
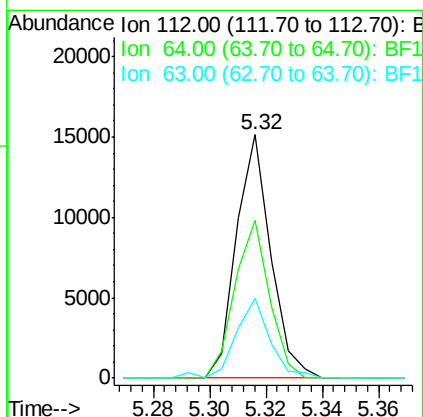
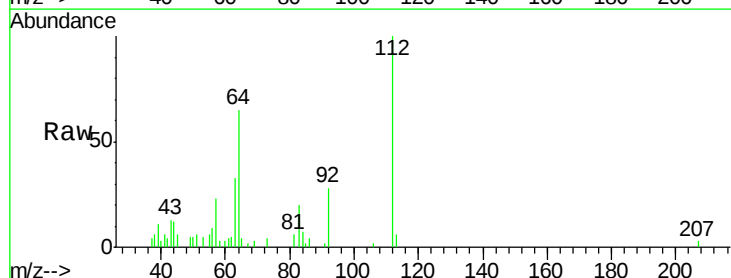
Tgt Ion:152 Resp: 193795
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 59.4 50.1 75.1

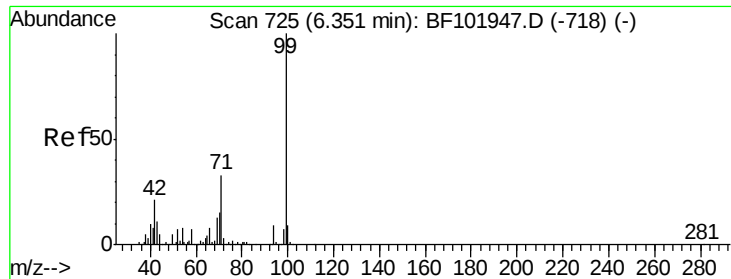


#5

2-Fluorophenol
Concen: 0.932 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion:112 Resp: 12788
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 32.7 23.7 35.5





#7

Phenol-d6

Concen: 1.048 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

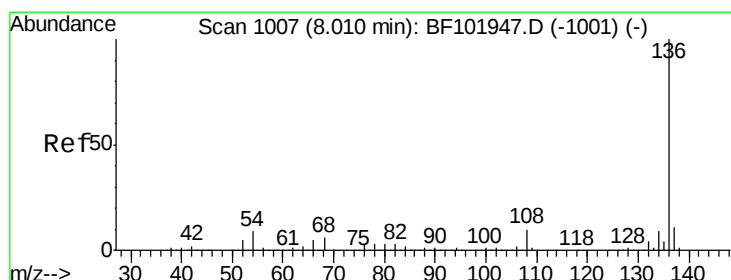
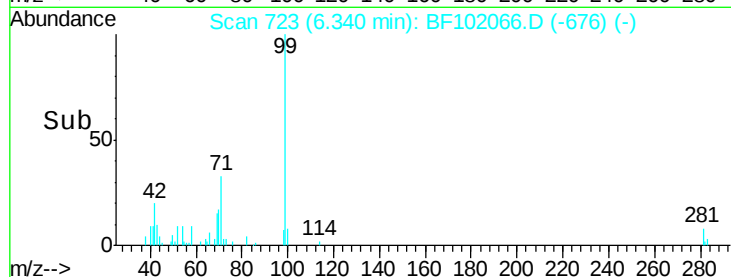
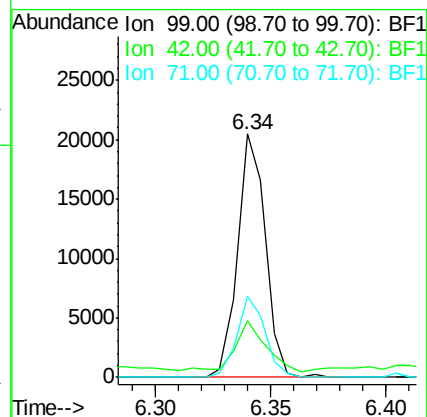
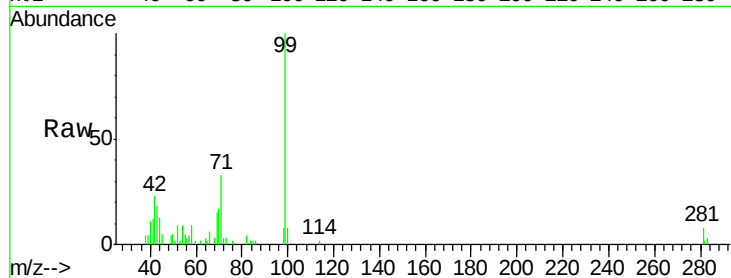
Tgt Ion: 99 Resp: 17154

Ion Ratio Lower Upper

99 100

42 23.3 14.5 21.7#

71 33.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion: 136 Resp: 797427

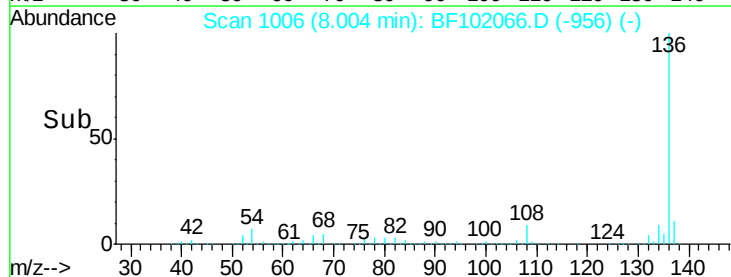
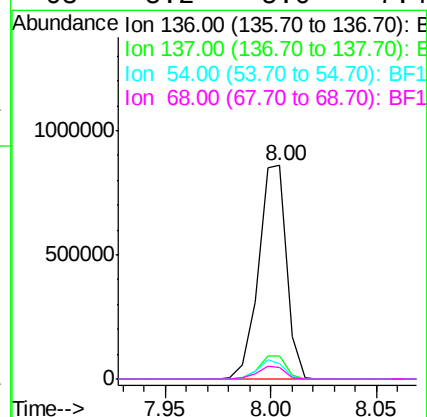
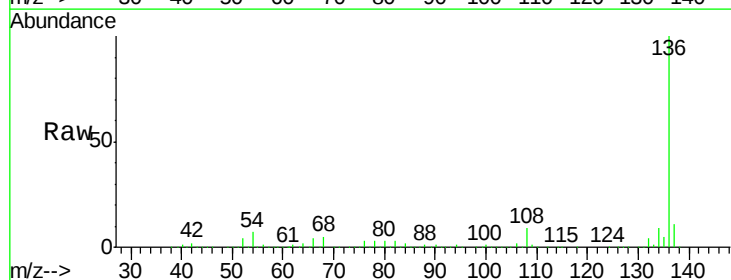
Ion Ratio Lower Upper

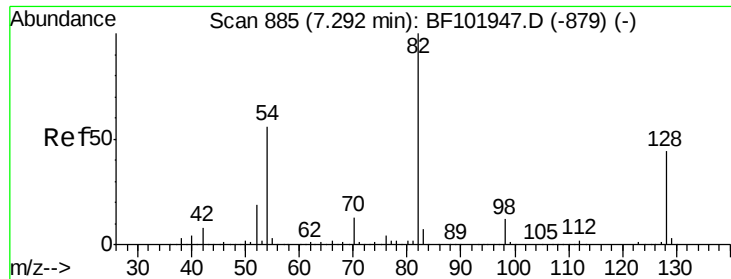
136 100

137 10.6 8.9 13.3

54 7.5 6.6 9.8

68 5.2 5.0 7.4

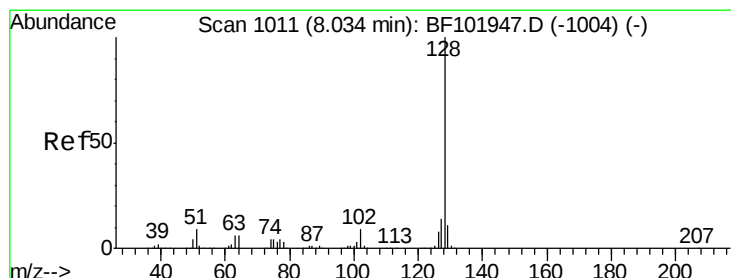
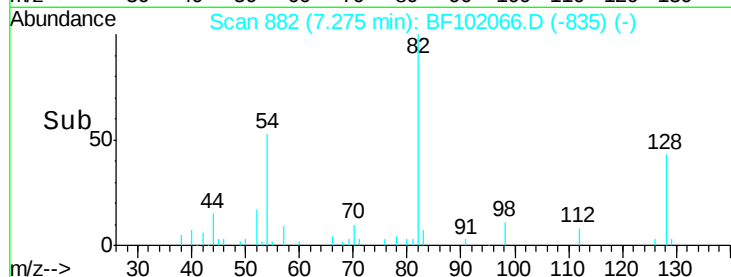
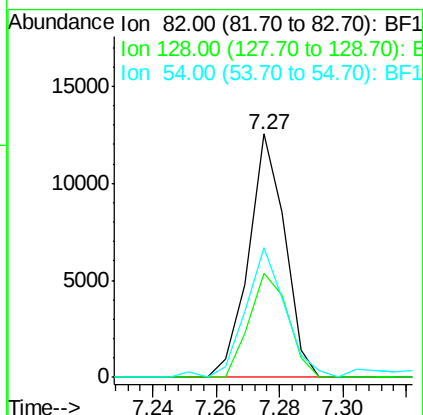
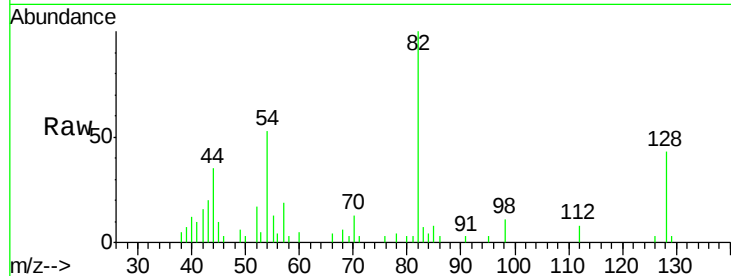




#23
 Nitrobenzene-d5
 Concen: 0.734 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

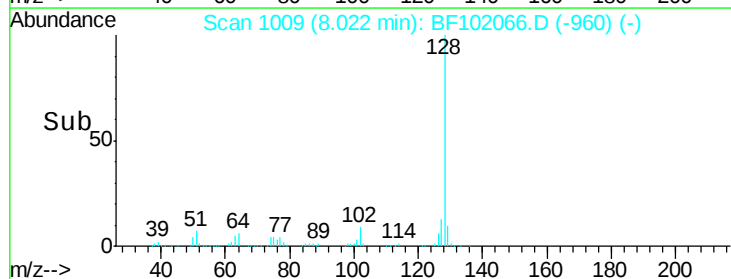
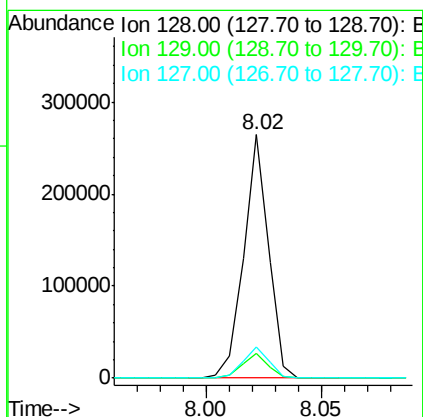
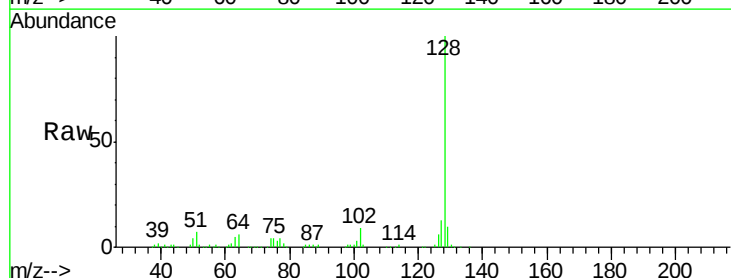
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB97-E

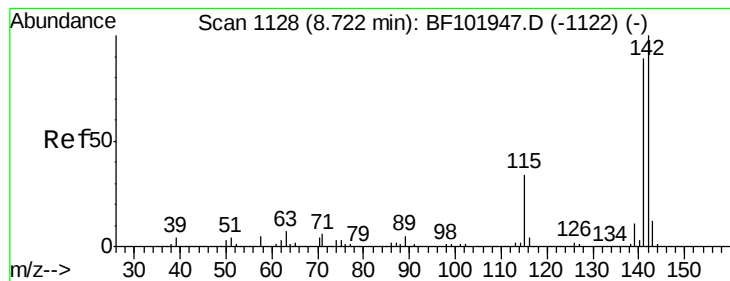
Tgt Ion: 82 Resp: 9959
 Ion Ratio Lower Upper
 82 100
 128 42.5 36.1 54.1
 54 53.2 41.4 62.2



#31
 Naphthalene
 Concen: 4.956 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Tgt Ion: 128 Resp: 197493
 Ion Ratio Lower Upper
 128 100
 129 10.3 8.8 13.2
 127 12.9 10.9 16.3

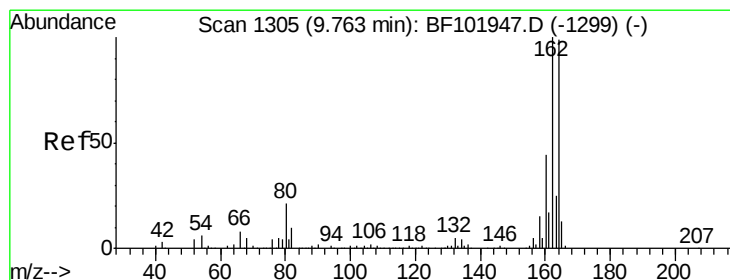
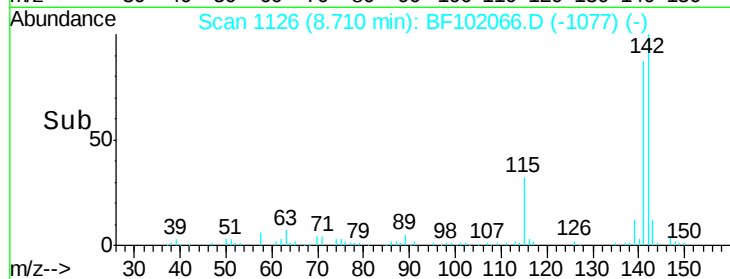
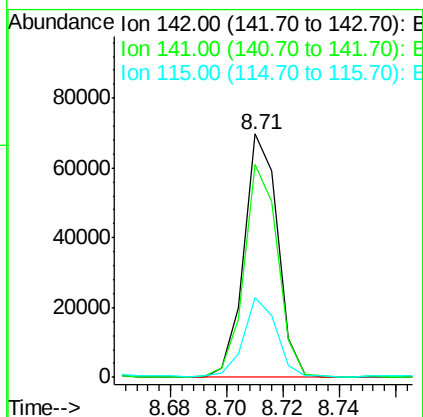
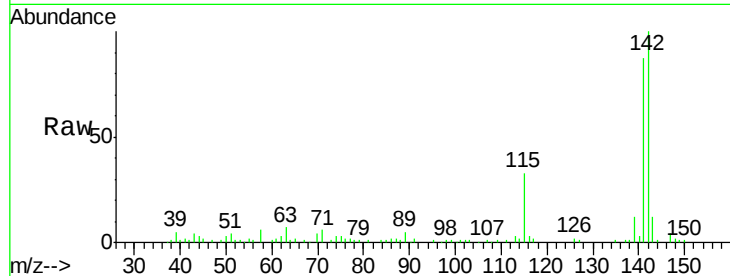




#37
 2-Methylnaphthalene
 Concen: 2.200 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

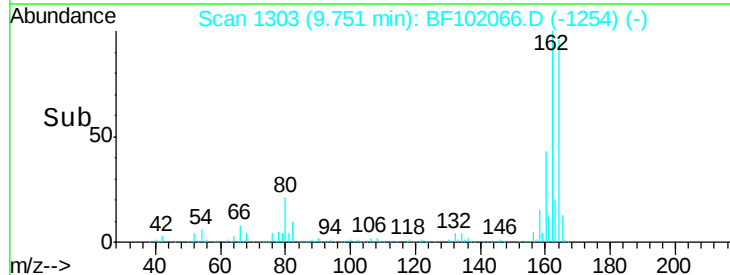
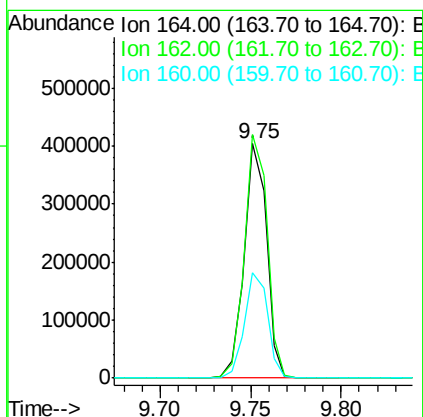
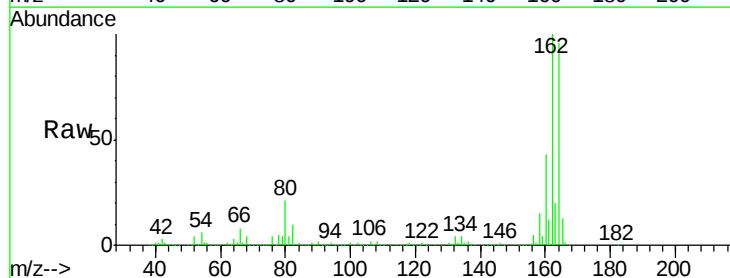
Instrument :
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 ClientSampleId :
 A2-SB97-E

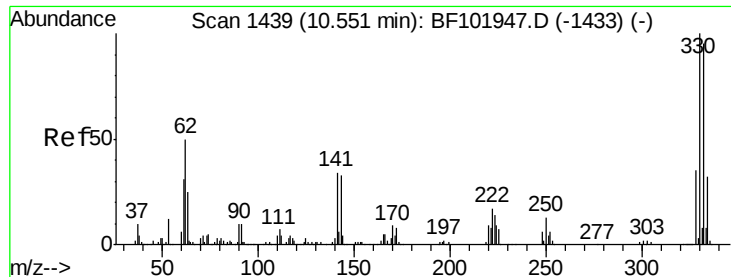
Tgt Ion:142 Resp: 57706
 Ion Ratio Lower Upper
 142 100
 141 87.5 70.8 106.2
 115 32.6 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Tgt Ion:164 Resp: 345935
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 45.1 38.3 57.5

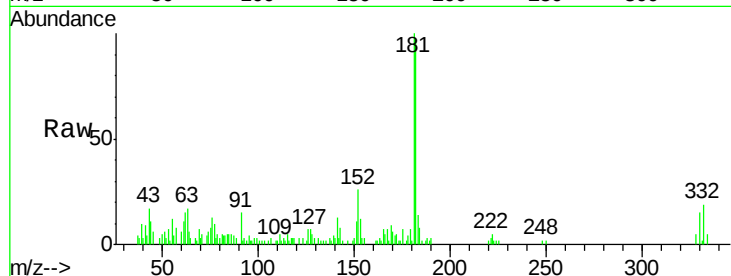




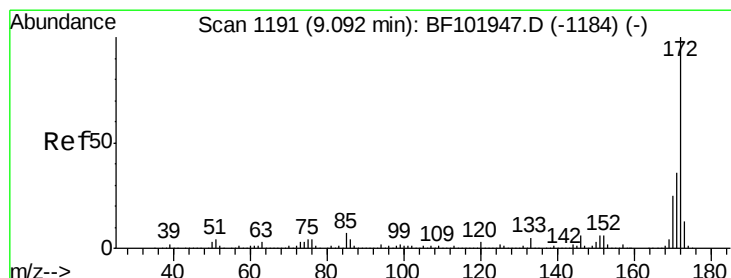
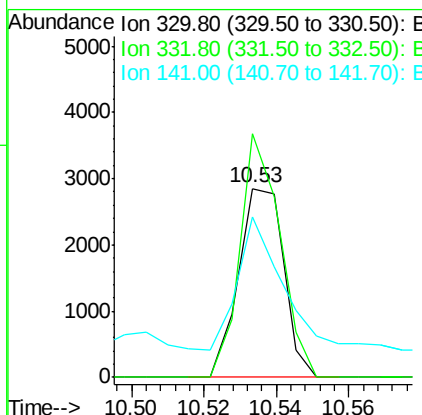
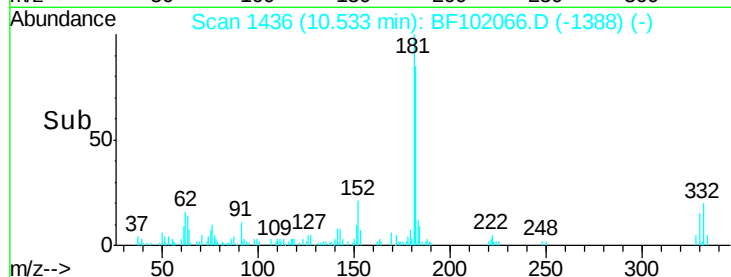
#41
 2,4,6-Tribromophenol
 Concen: 0.819 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB97-E

Tgt Ion: 330 Resp: 2472
 Ion Ratio Lower Upper
 330 100
 332 113.9 77.0 115.6
 141 74.4 29.9 44.9#

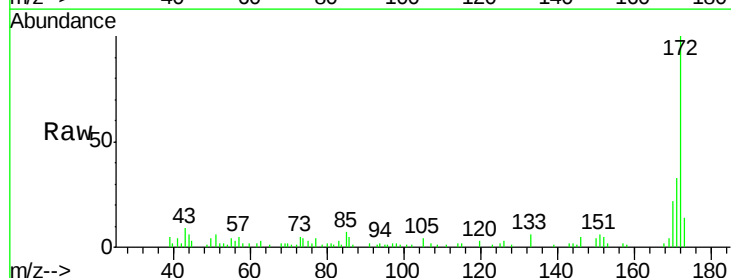


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

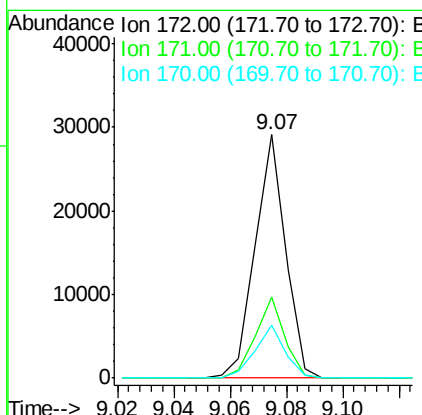
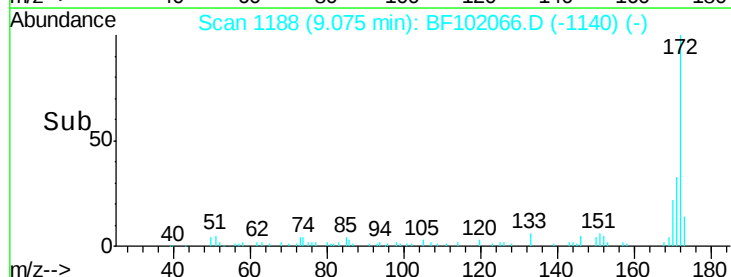


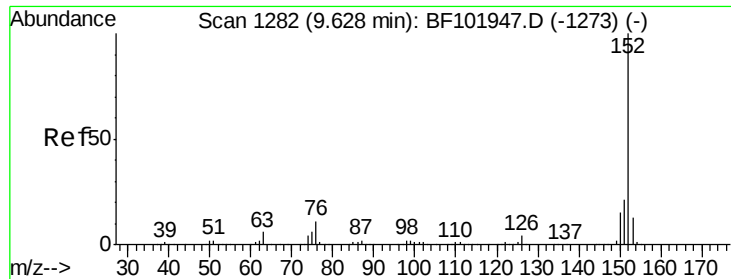
#44
 2-Fluorobiphenyl
 Concen: 0.982 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Tgt Ion: 172 Resp: 21734
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.7 44.5
 170 21.8 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





#48

Acenaphthylene

Concen: 6.730 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

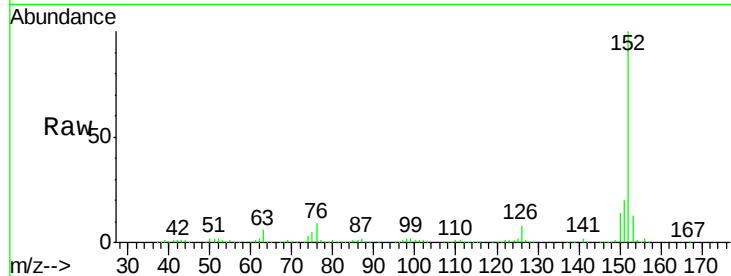
Tgt Ion:152 Resp: 253262

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

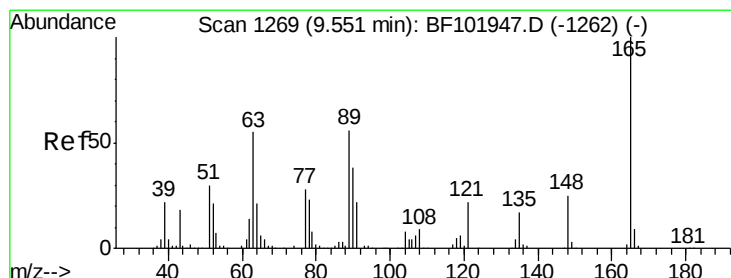
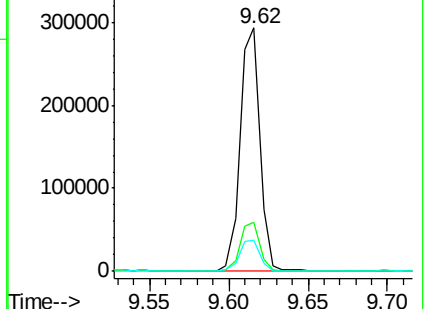
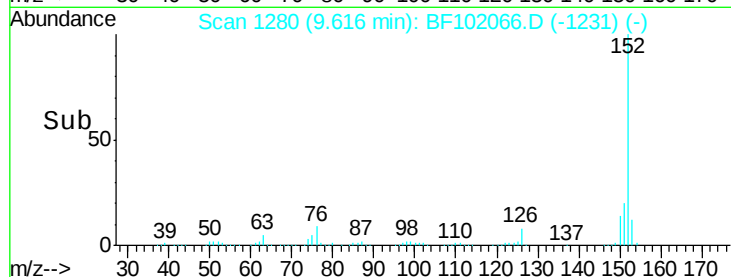
153 12.7 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 8.555 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.20 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

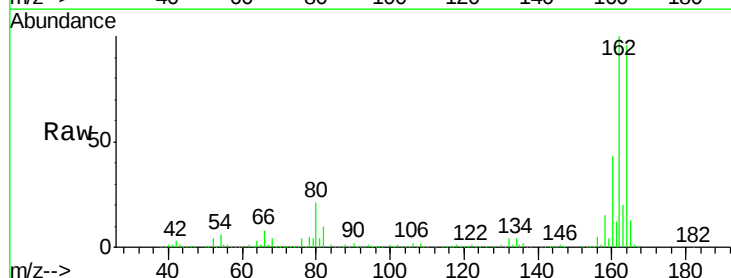
Tgt Ion:165 Resp: 47424

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

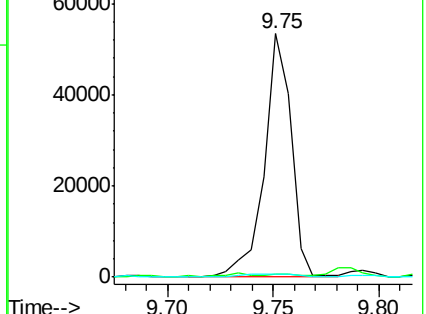
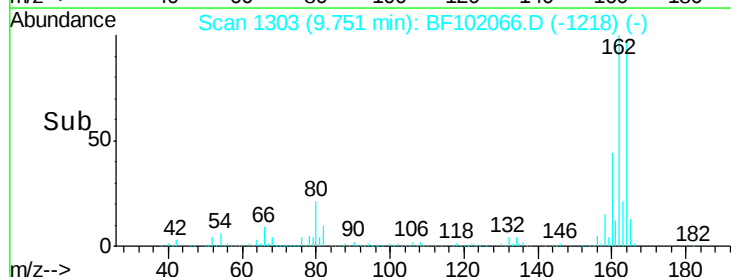
89 1.1 44.0 66.0#

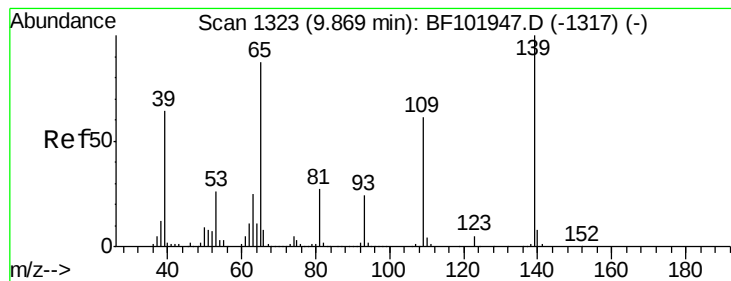


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 4.048 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.08 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

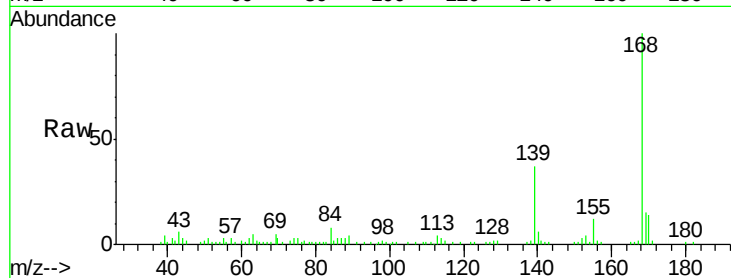
Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

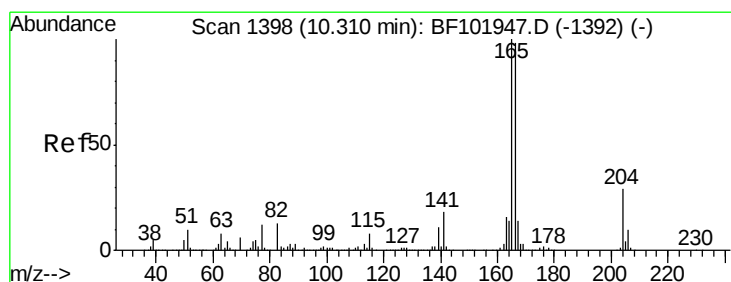
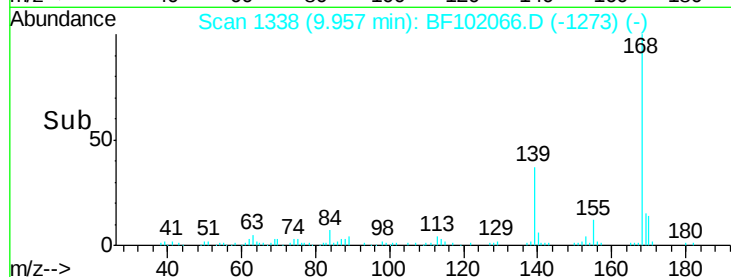
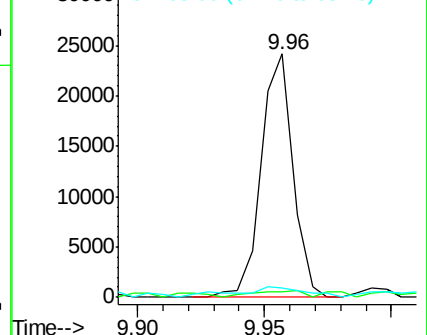
Tgt Ion	Ratio	Lower	Upper
139	100		
109	2.0	48.4	88.4#
65	3.9	72.6	112.6#



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: 4.271 ng

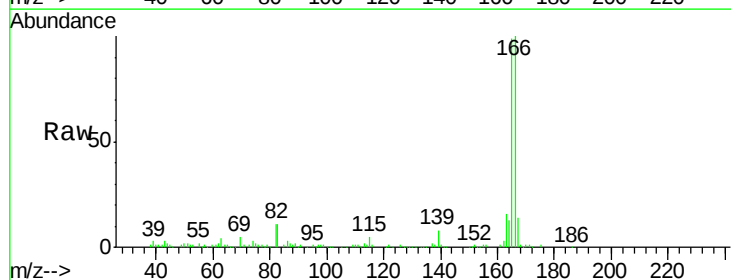
RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

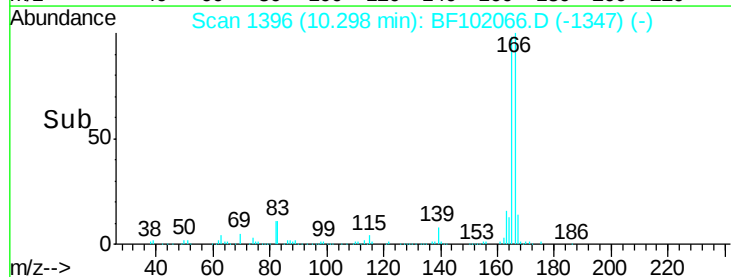
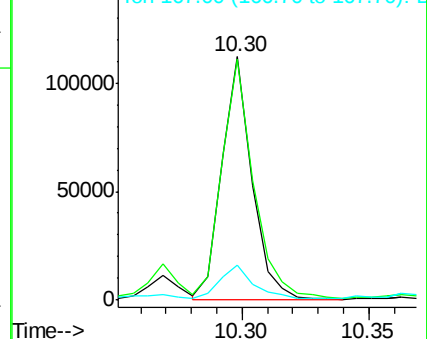
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.8	119.8
167	14.3	10.6	16.0

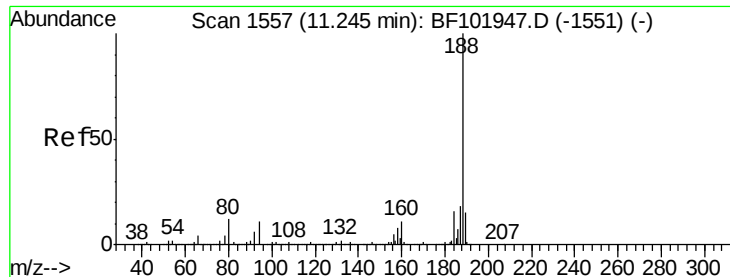


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

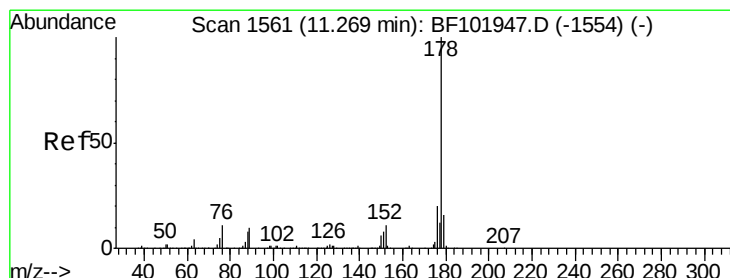
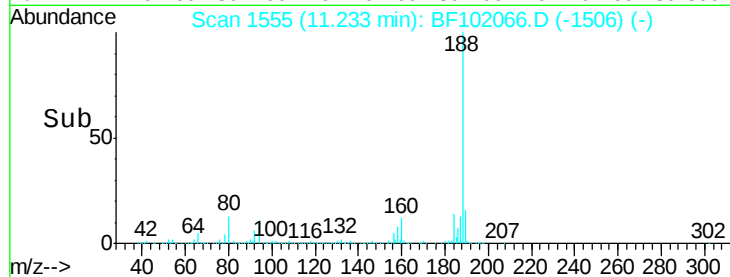
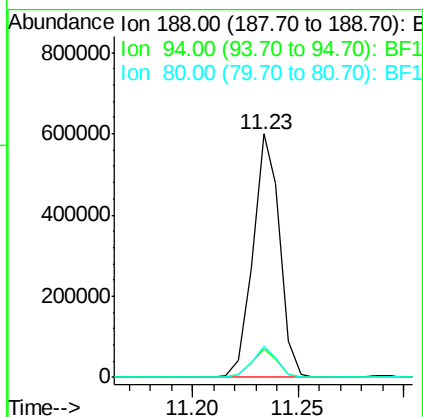
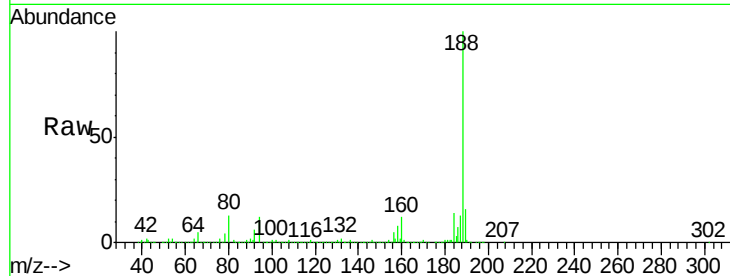




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

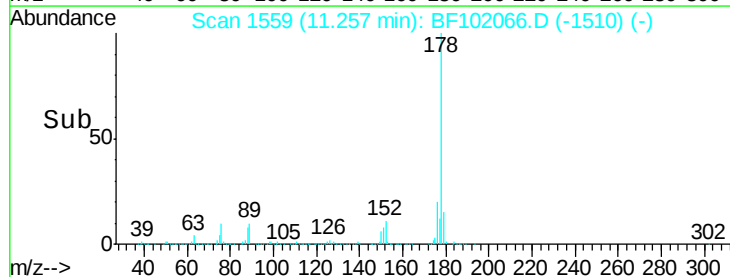
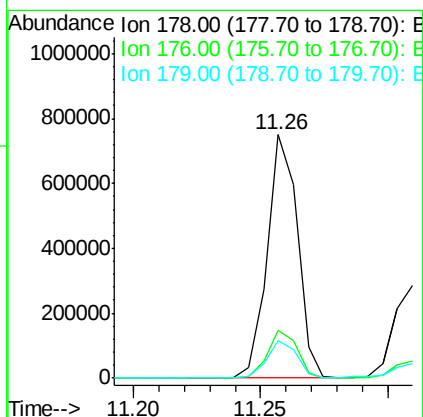
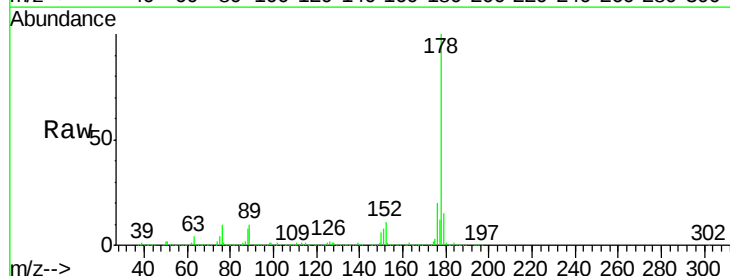
Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

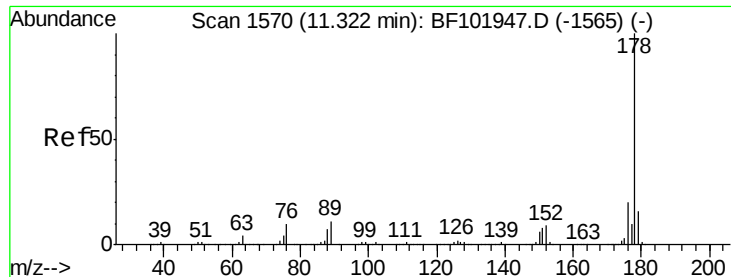
Tgt Ion:188 Resp: 525841
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.8 9.2 13.8



#70
Phenanthrene
Concen: 20.150 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion:178 Resp: 618935
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.3 13.0 19.6





#71

Anthracene

Concen: 7.247 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

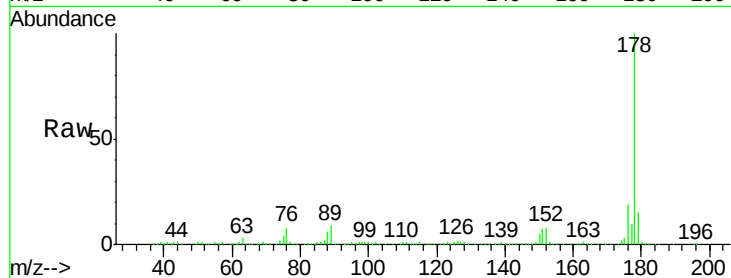
Tgt Ion:178 Resp: 225772

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

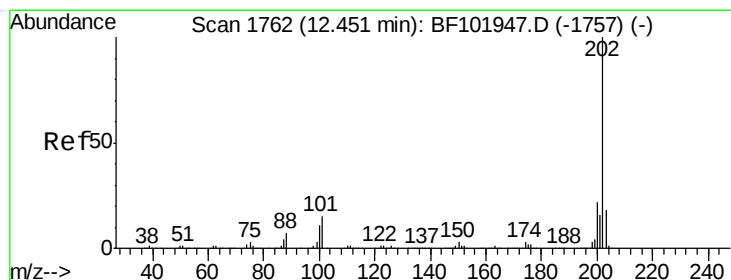
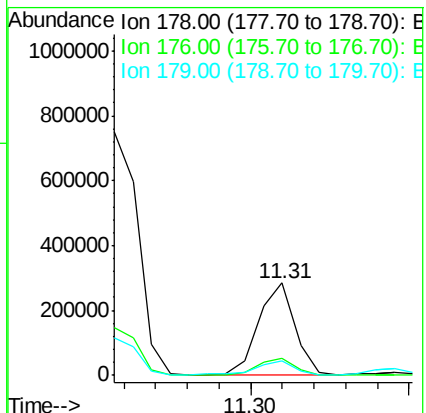
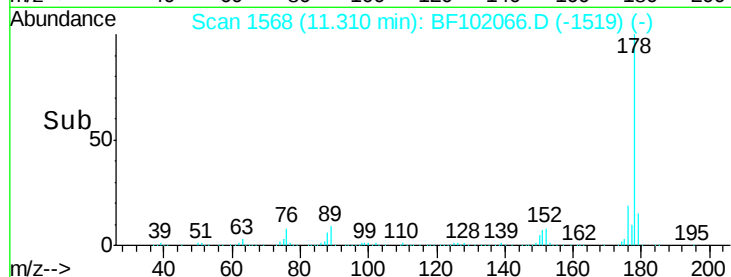
179 15.3 12.6 19.0



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: 29.065 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

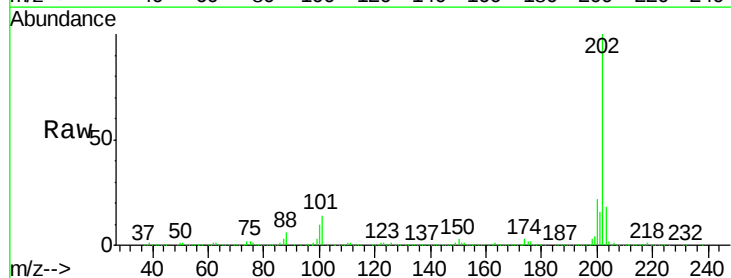
Tgt Ion:202 Resp: 878370

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

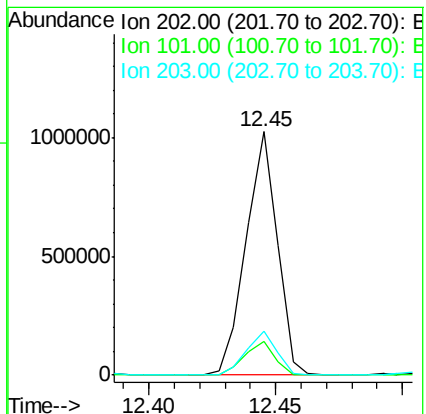
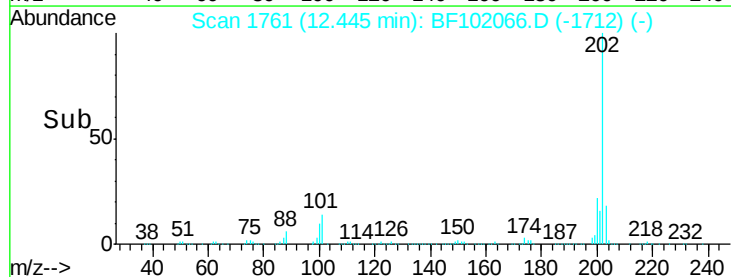
203 18.1 0.0 38.1

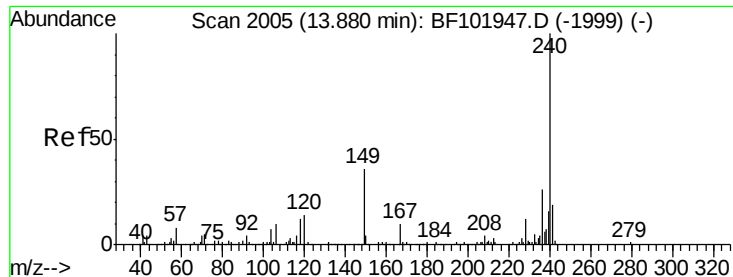


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

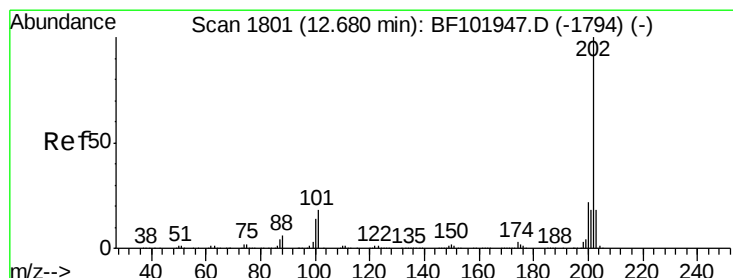
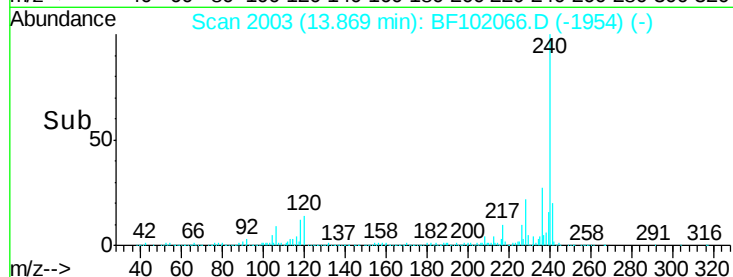
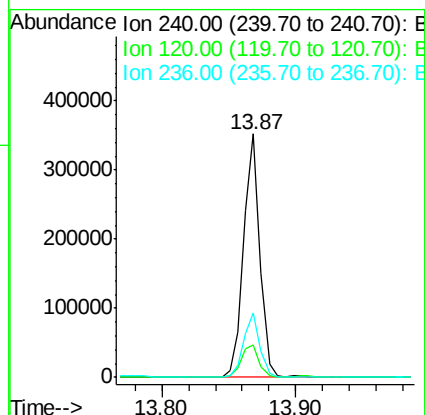
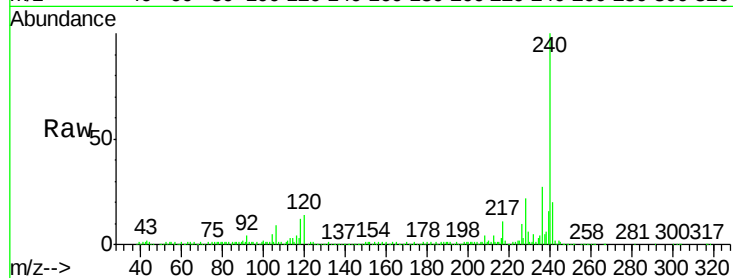
Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

Tgt Ion:	240	Resp:	299685
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.7	20.7	31.1



#77

Pyrene

Concen: 31.697 ng

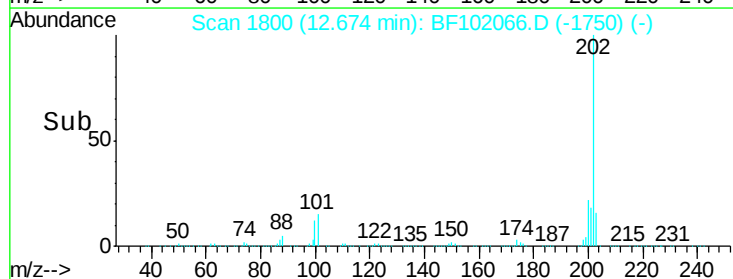
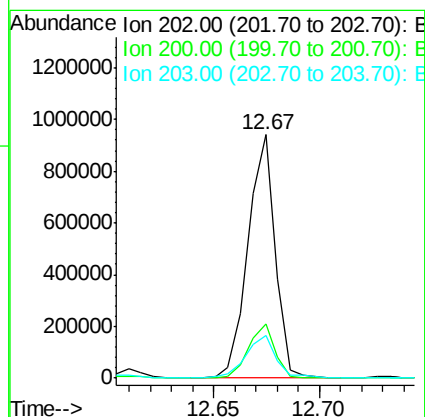
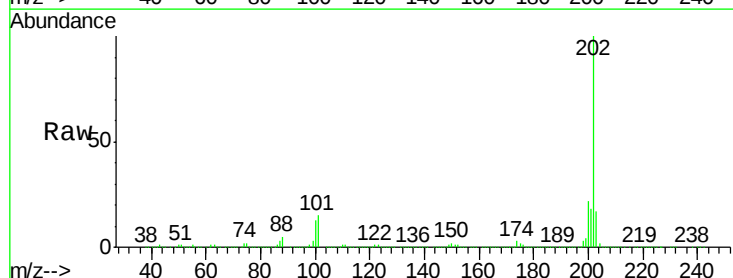
RT: 12.67 min Scan# 1800

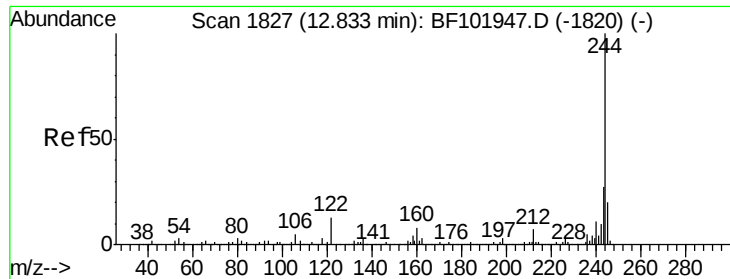
Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion:	202	Resp:	839659
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 0.977 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

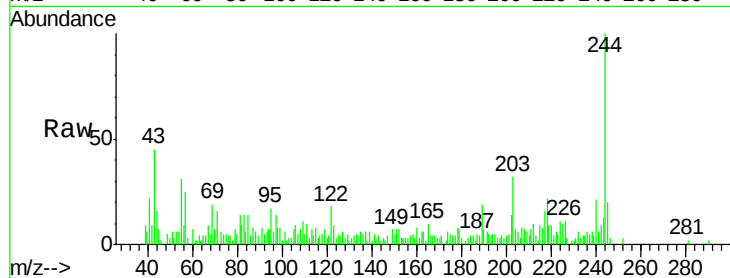
Tgt Ion:244 Resp: 14100

Ion Ratio Lower Upper

244 100

212 10.1 5.4 8.0#

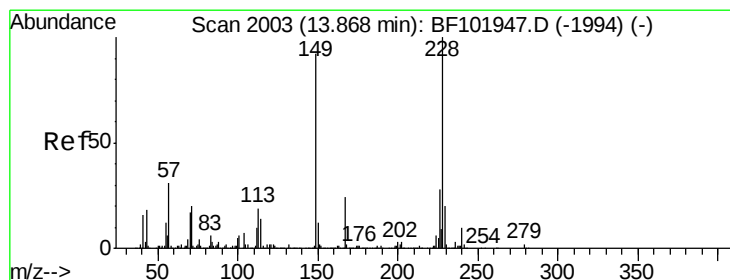
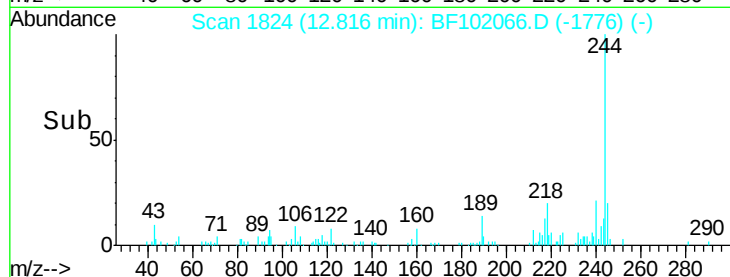
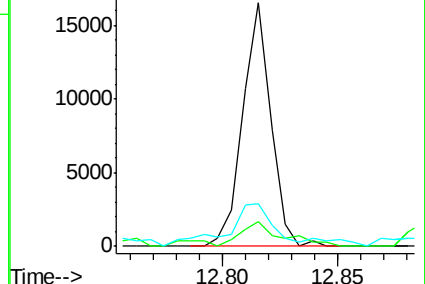
122 17.5 11.0 16.4#



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: 19.002 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

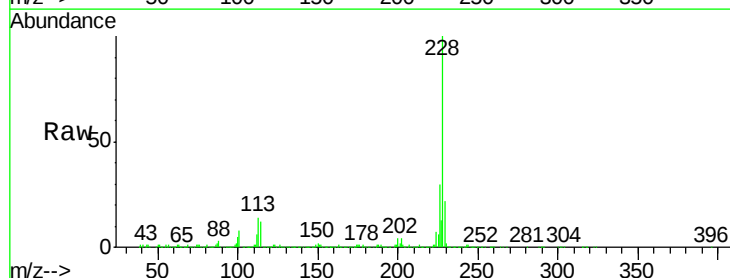
Tgt Ion:228 Resp: 363337

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

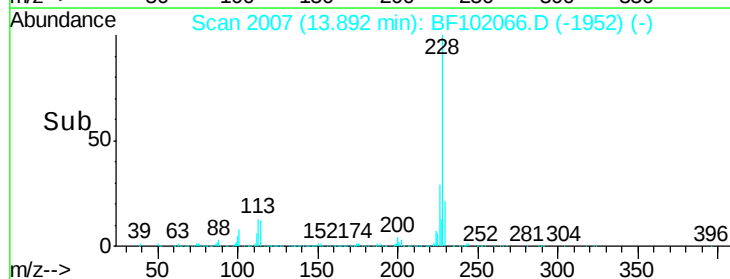
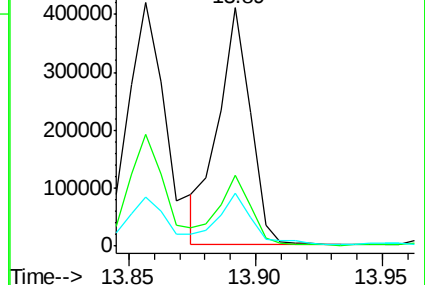
229 22.3 15.8 23.6

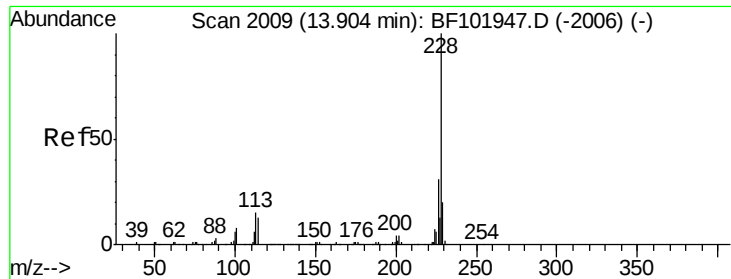


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.224 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampled :

A2-SB97-E

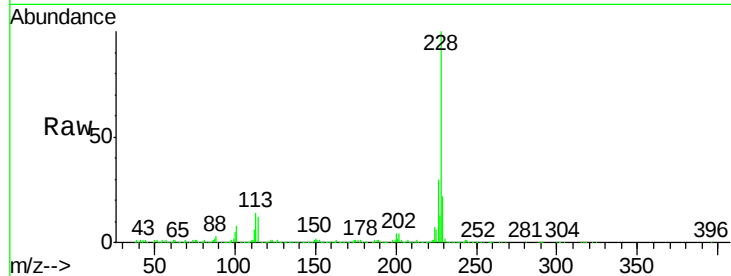
Tgt Ion:228 Resp: 363337

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

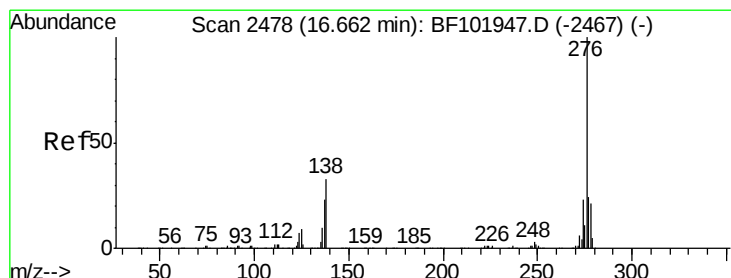
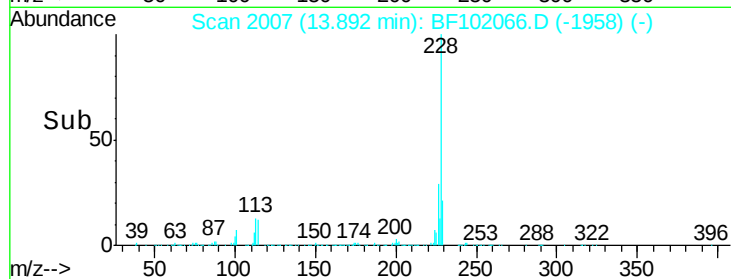
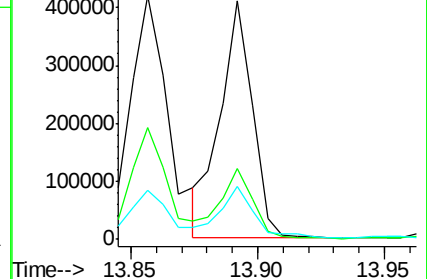
229 22.3 16.2 24.4



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: 23.102 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

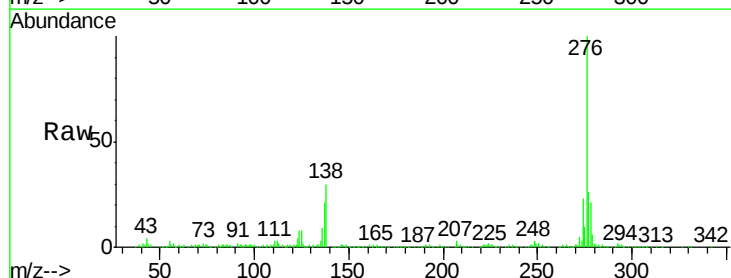
Tgt Ion:276 Resp: 335243

Ion Ratio Lower Upper

276 100

138 29.6 25.0 37.6

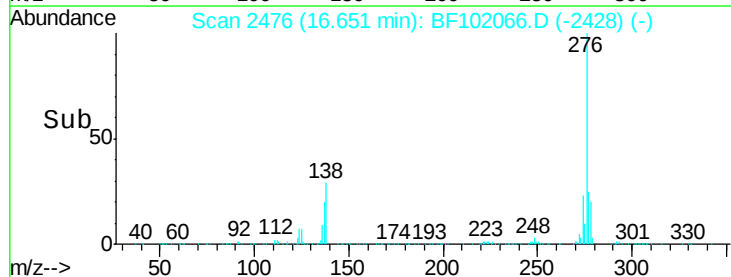
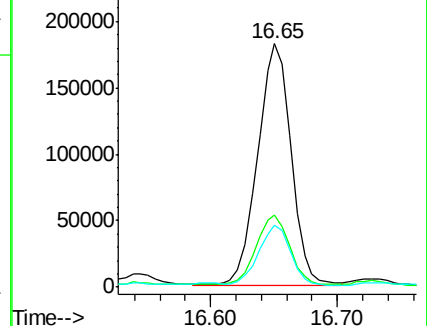
277 24.3 20.1 30.1

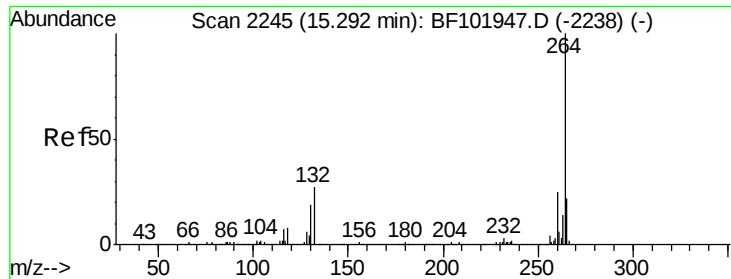


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

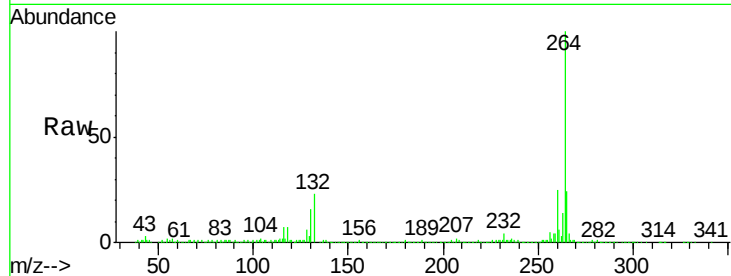
Tgt Ion:264 Resp: 357328

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

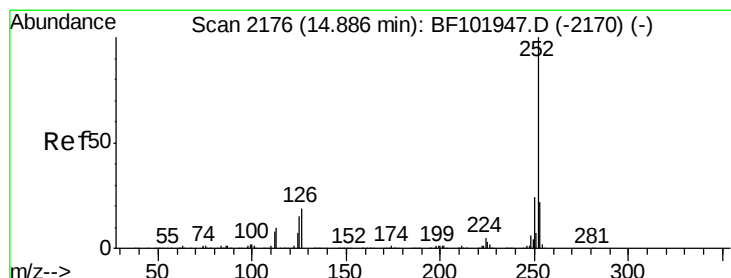
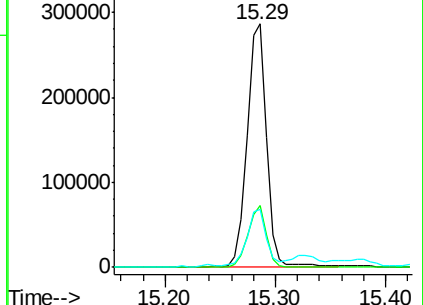
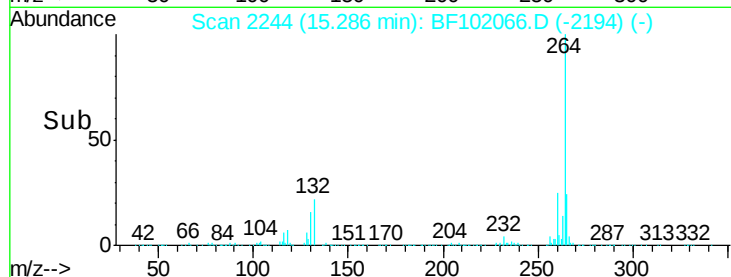
265 23.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 34.654 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

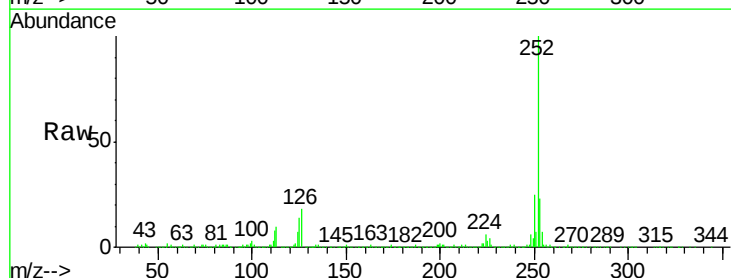
Tgt Ion:252 Resp: 807403

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

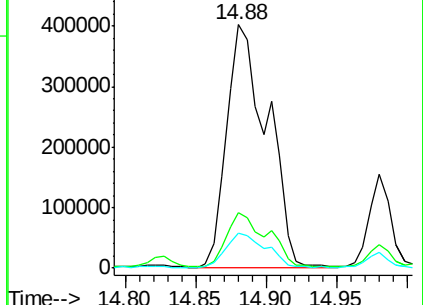
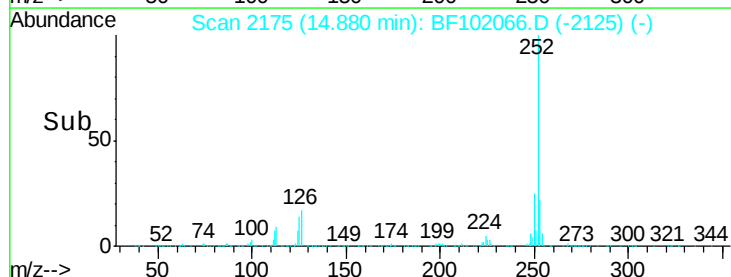
125 14.3 9.0 13.6#

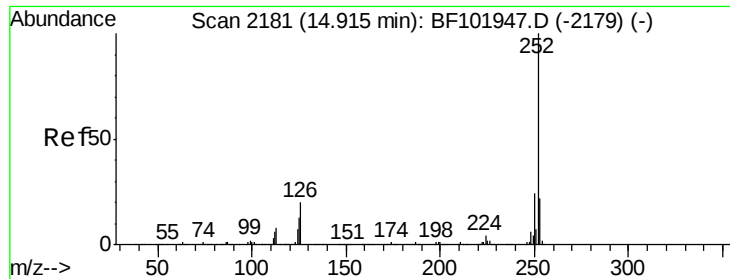


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

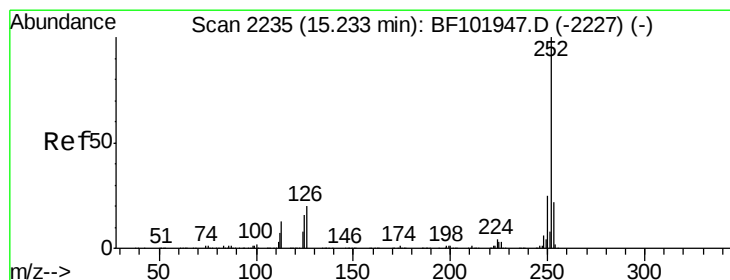
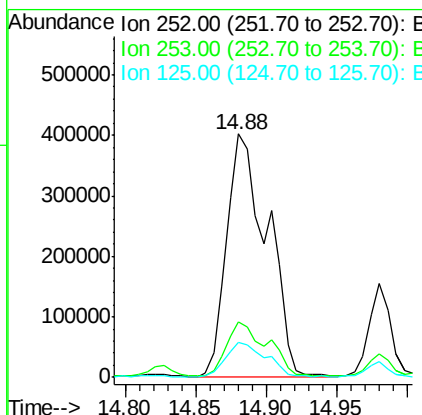
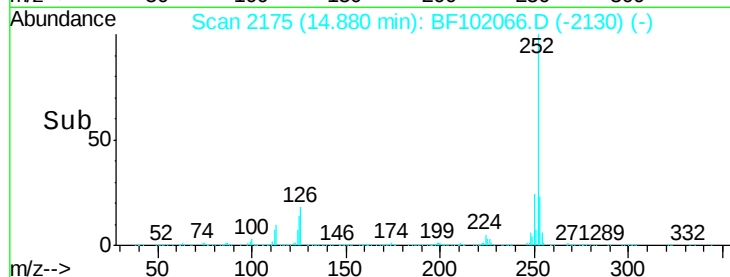
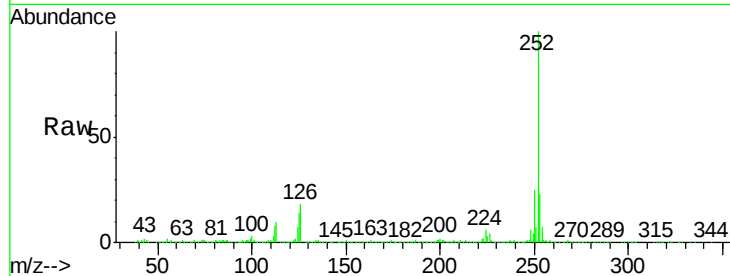




#88
Benzo(k)fluoranthene
Concen: 35.923 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.04 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

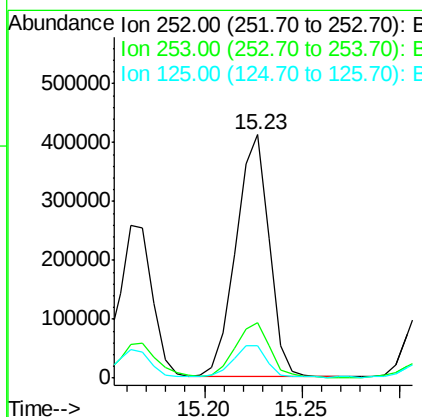
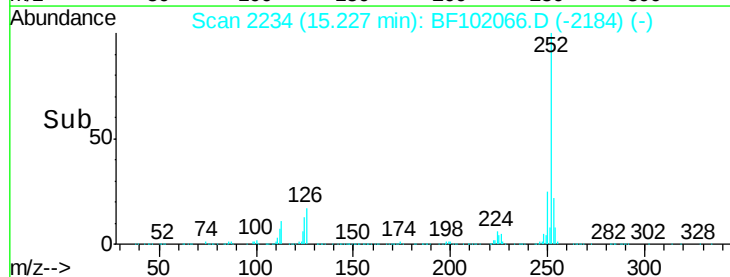
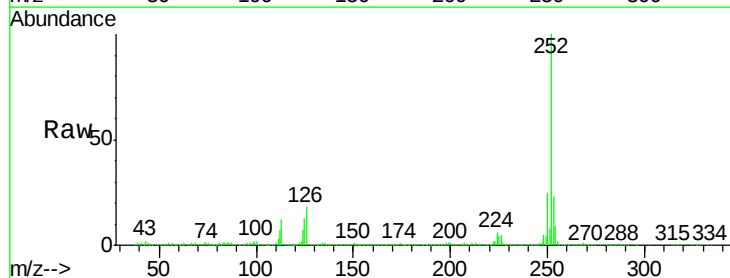
Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

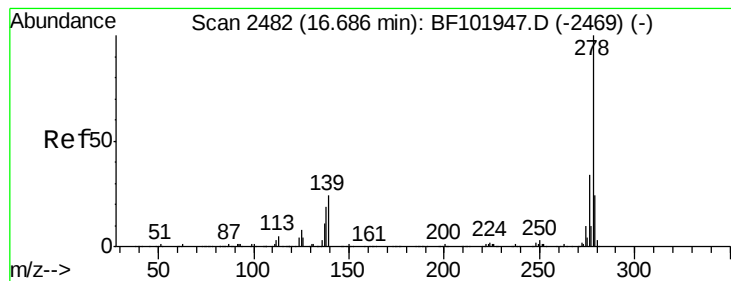
Tgt Ion:252 Resp: 807403
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 14.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 23.118 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion:252 Resp: 484692
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 13.4 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.397 ng

RT: 16.66 min Scan# 2478

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

ClientSampleId :

A2-SB97-E

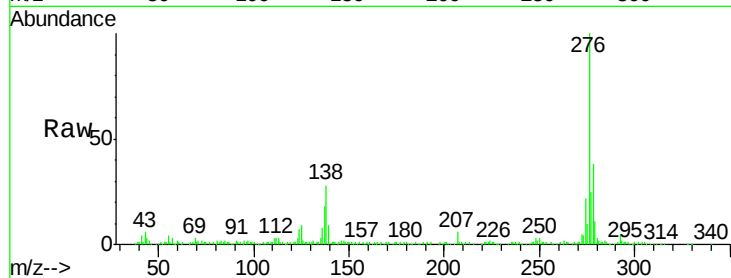
Tgt Ion:278 Resp: 90303

Ion Ratio Lower Upper

278 100

139 24.3 15.9 23.9#

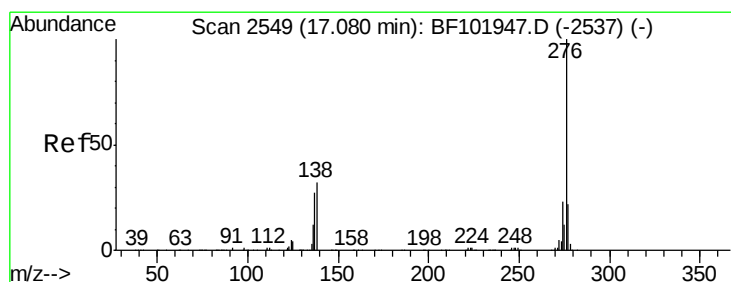
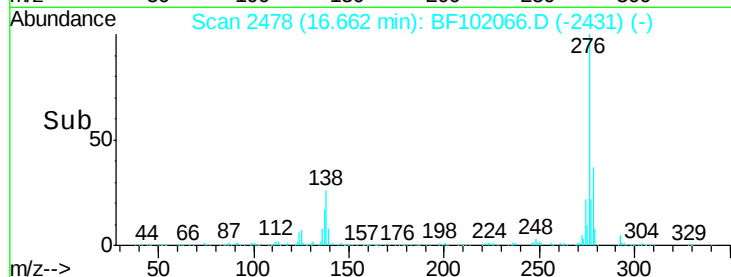
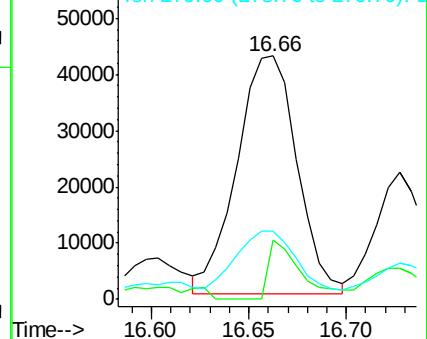
279 28.0 19.0 28.4



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: 19.563 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

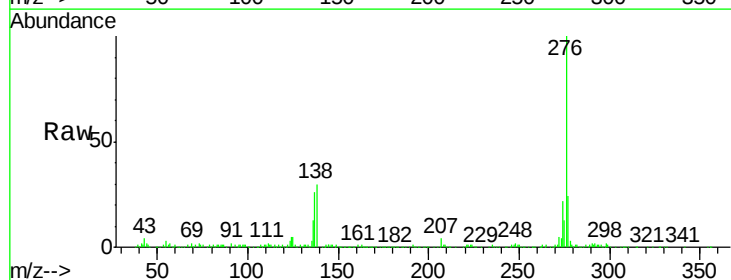
Tgt Ion:276 Resp: 329709

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 30.2 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

