

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103347.D
 Acq On : 1 Mar 2018 19:57
 Operator : SJ/JU
 Sample : J1721-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:28:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	135124	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	510302	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	177151	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	286337	20.00	ng	0.00
75) Chrysene-d12	14.06	240	184377	20.00	ng	0.00
86) Perylene-d12	15.57	264	134326	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	948386	106.15	ng	0.01
7) Phenol-d6	6.52	99	1085739	99.31	ng	0.00
23) Nitrobenzene-d5	7.45	82	653567	73.14	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	138662	92.47	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	800306	75.84	ng	0.00
78) Terphenyl-d14	13.00	244	628399	81.93	ng	0.00

Target Compounds

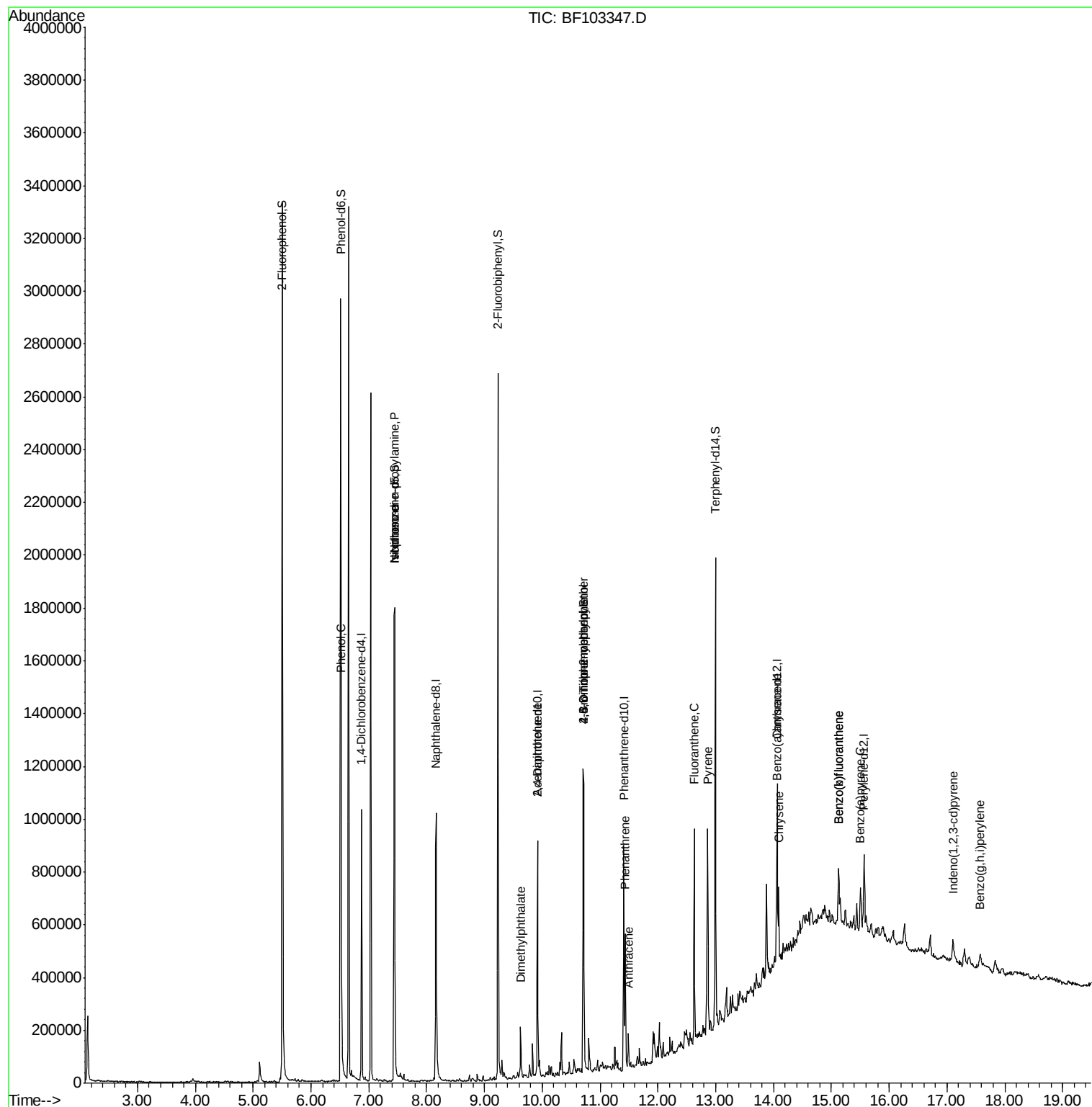
						Qvalue
10) Phenol	6.53	94	31596	2.490	ng	79
19) n-Nitroso-di-n-propylamine	7.44	70	87615	12.877	ng	# 85
25) Isophorone	7.45	82	653562	37.137	ng	# 64
49) Dimethylphthalate	9.63	163	74635	5.252	ng	100
56) 2,4-Dinitrotoluene	9.92	165	23523	6.237	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.72	198	127	5.011	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	8940	2.997	ng	# 1
70) Phenanthrene	11.43	178	166554	10.569	ng	98
71) Anthracene	11.49	178	58856	3.642	ng	99
74) Fluoranthene	12.63	202	332400	20.991	ng	97
77) Pyrene	12.86	202	304593	21.189	ng	100
80) Benzo(a)anthracene	14.05	228	128676	10.756	ng	97
82) Chrysene	14.09	228	115554	9.948	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	46077	5.011	ng	94
87) Benzo(b)fluoranthene	15.13	252	150150	17.001	ng	# 86
88) Benzo(k)fluoranthene	15.13	252	150150	18.054	ng	# 89
89) Benzo(a)pyrene	15.50	252	78370	9.937	ng	# 87
91) Benzo(g,h,i)perylene	17.57	276	45744	7.680	ng	# 88

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

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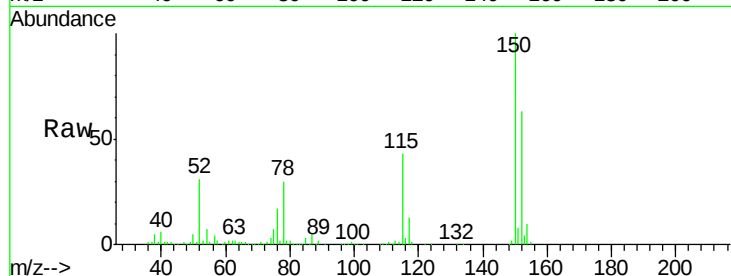


#1

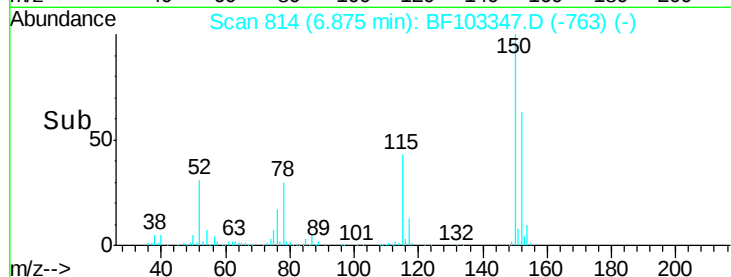
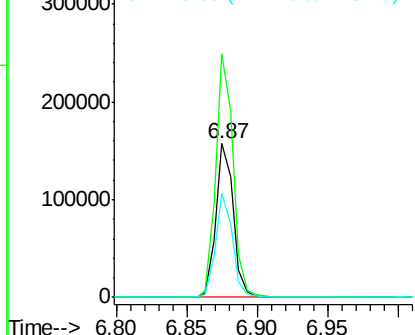
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135124
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 67.5 50.1 75.1



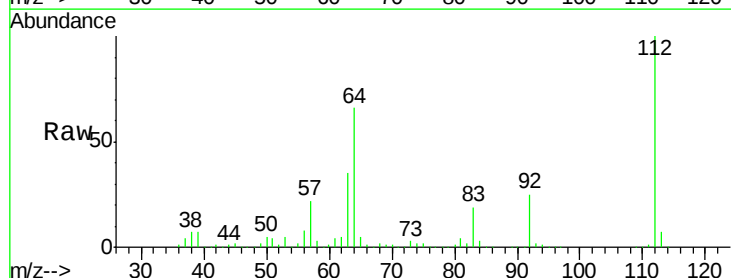
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



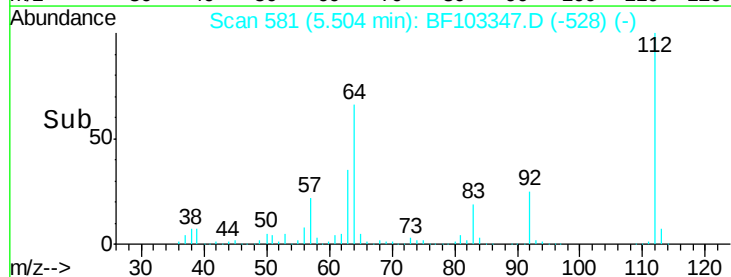
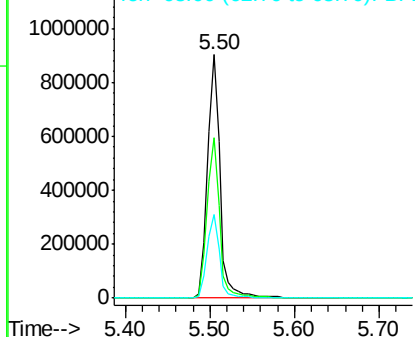
#5

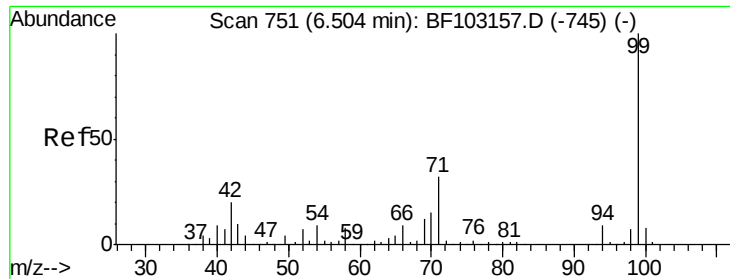
2-Fluorophenol
Concen: 106.152 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion:112 Resp: 948386
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 34.6 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: 99.314 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

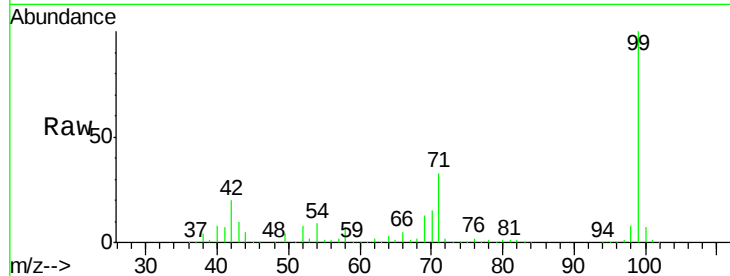
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1085739

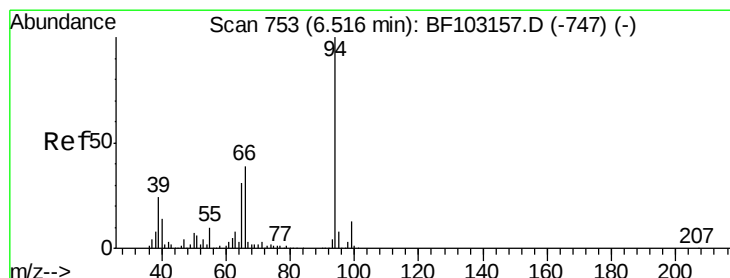
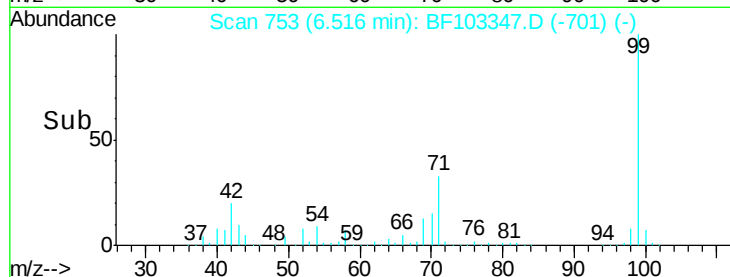
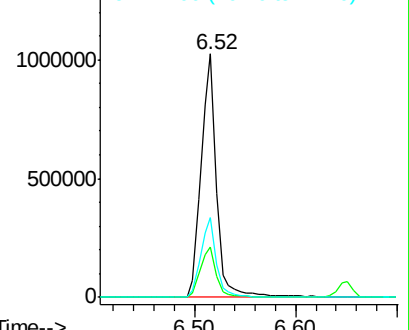
Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	32.6	25.4	38.0



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



#10

Phenol

Concen: 2.490 ng

RT: 6.53 min Scan# 755

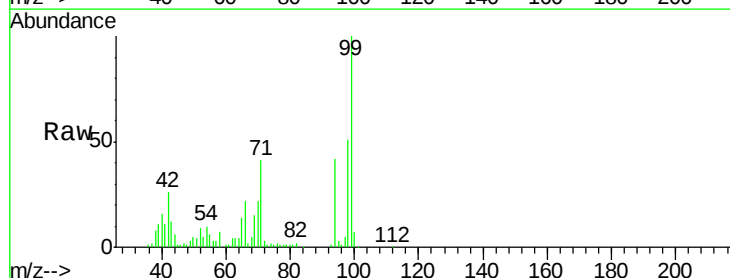
Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Tgt Ion: 94 Resp: 31596

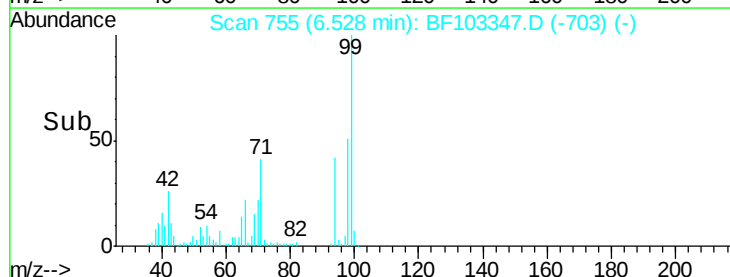
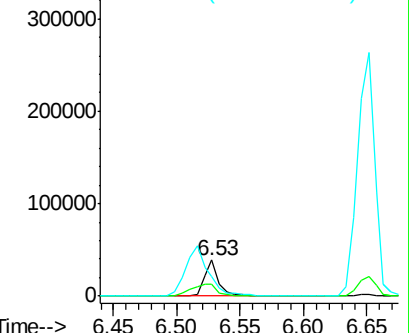
Ion	Ratio	Lower	Upper
94	100		
65	33.8	7.9	47.9
66	52.7	16.2	56.2

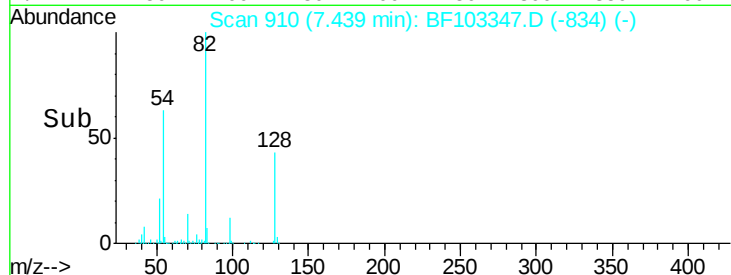
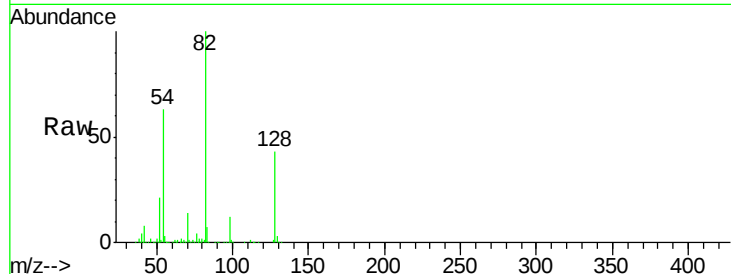
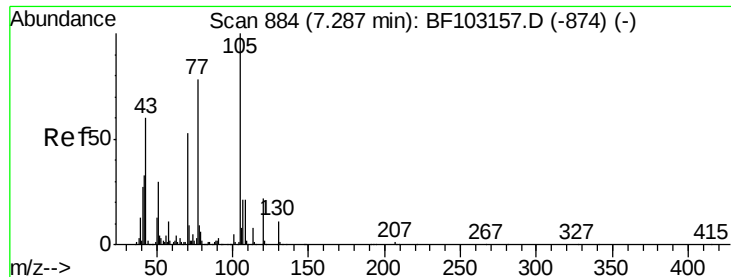


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

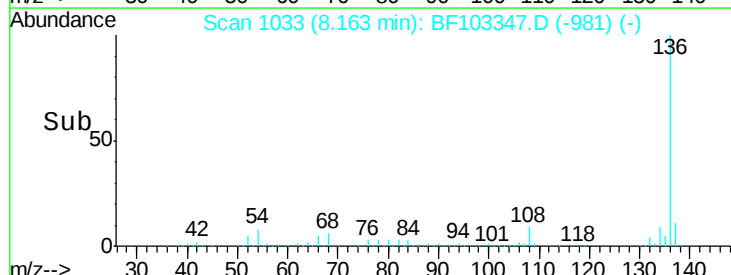
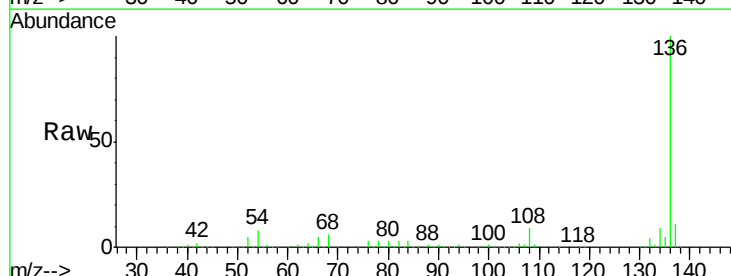
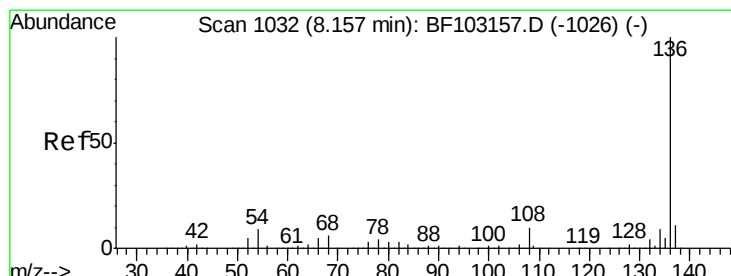
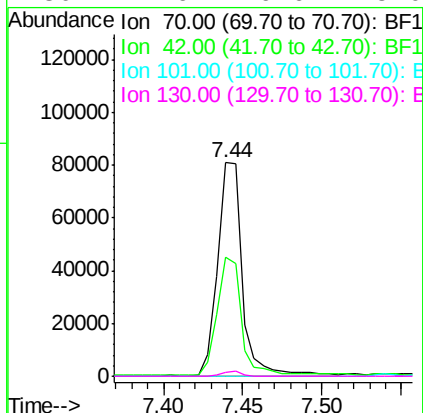




#19
n-Nitroso-di-n-propylamine
Concen: 12.877 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

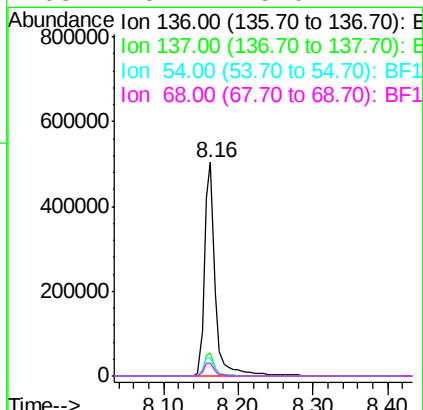
Instrument :
BNA_F
ClientSampleId :

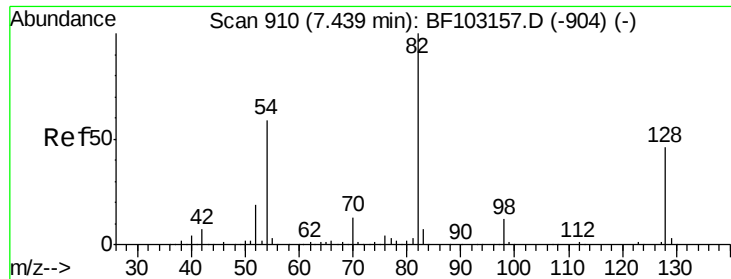
Tot Ion: 70 Resp: 87615
Ion Ratio Lower Upper
70 100
42 55.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion: 136 Resp: 510302
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.3 6.6 9.8
68 6.1 5.0 7.4

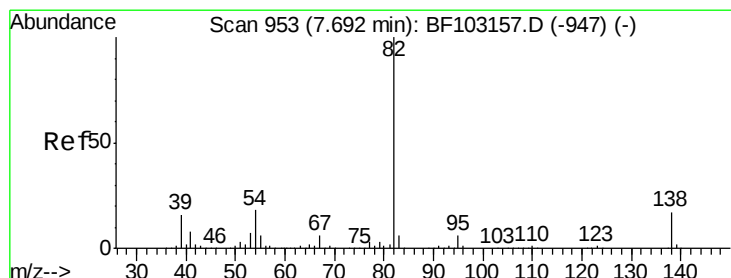
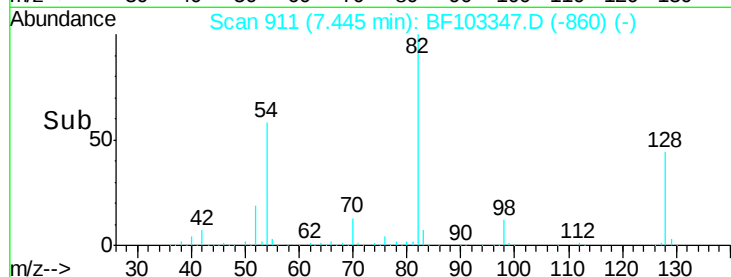
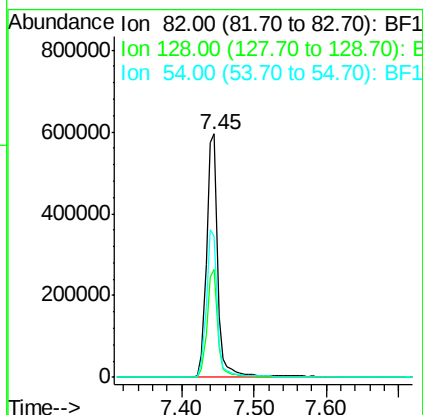
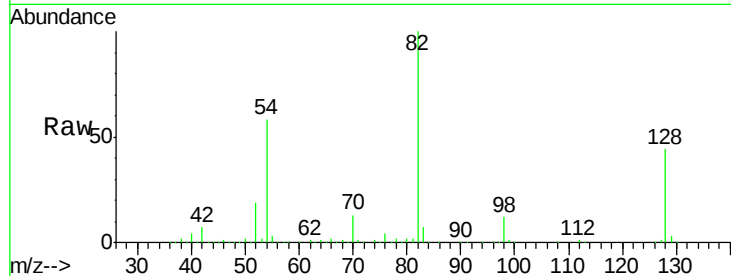




#23
Nitrobenzene-d5
Concen: 73.141 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

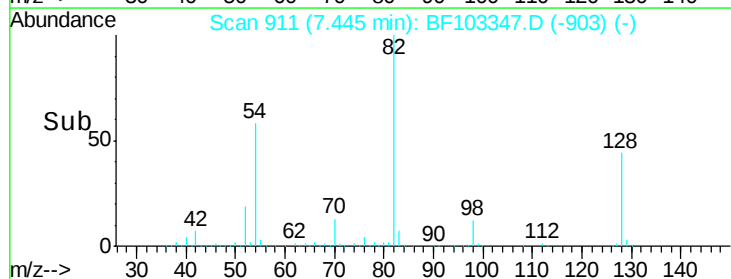
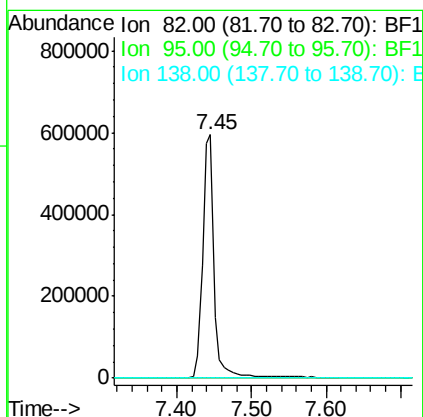
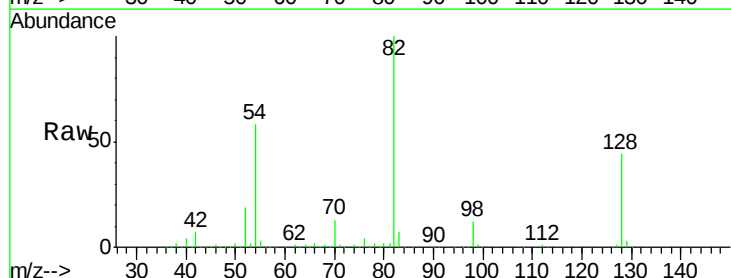
Instrument :
BNA_F
ClientSampled :

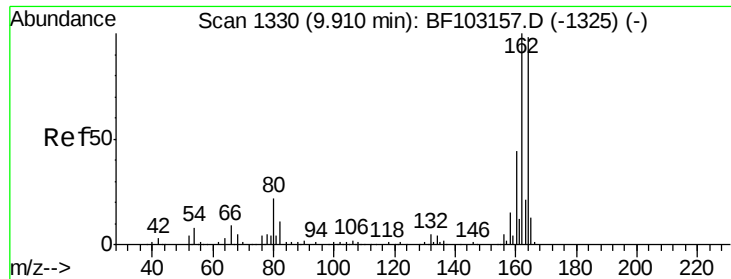
Tot Ion	82	Resp	653567
Ion Ratio	Lower	Upper	
82	100		
128	44.1	36.1	54.1
54	58.0	41.4	62.2



#25
Isophorone
Concen: 37.137 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion	82	Resp	653562
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

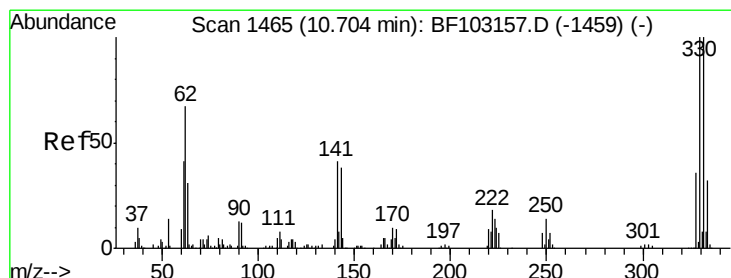
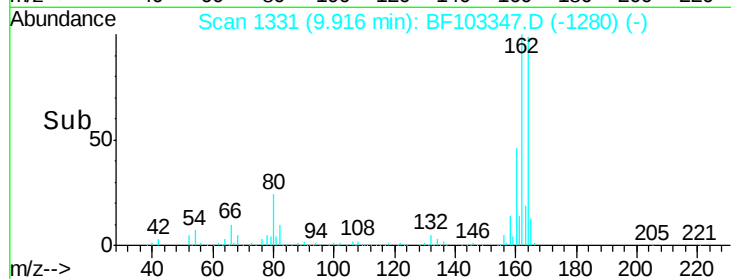
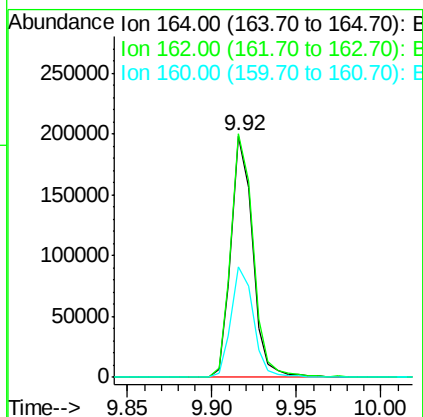
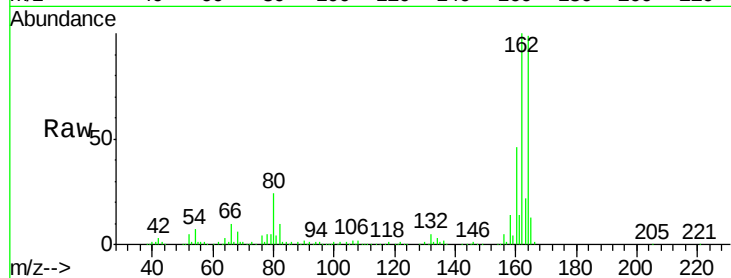




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103347.D
 Acq: 1 Mar 2018 19:57

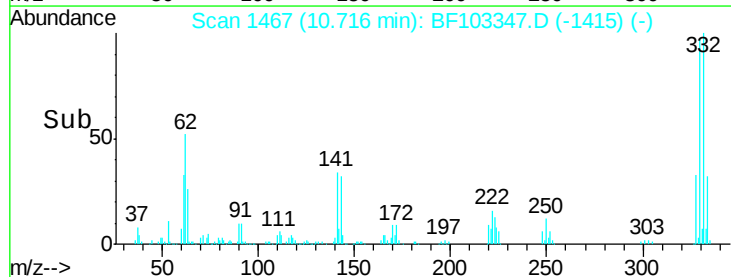
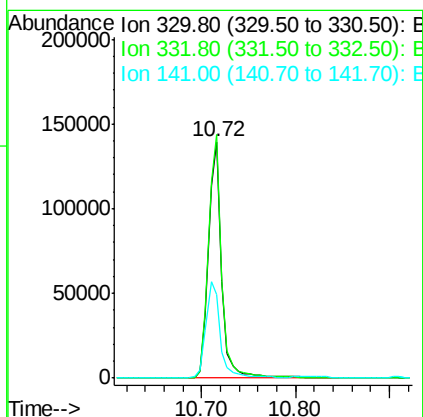
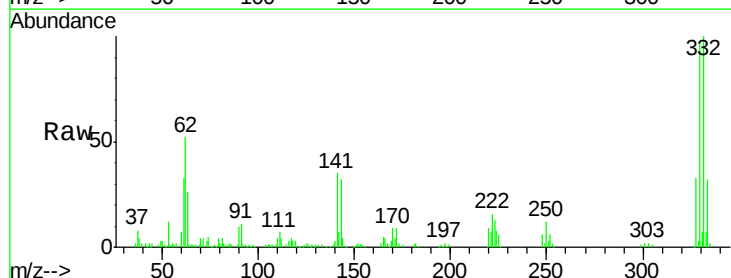
Instrument :
 BNA_F
 ClientSampleId :

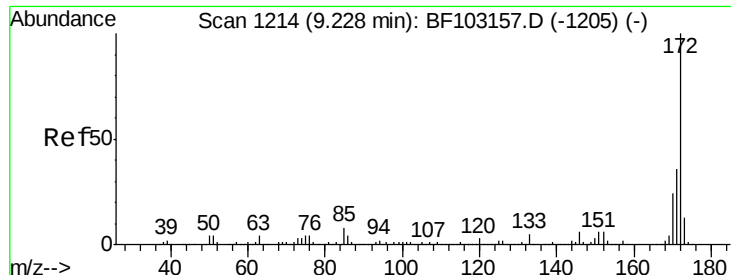
Tot Ion:164 Resp: 177151
 Ion Ratio Lower Upper
 164 100
 162 100.9 86.1 129.1
 160 46.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 92.473 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103347.D
 Acq: 1 Mar 2018 19:57

Tgt Ion:330 Resp: 138662
 Ion Ratio Lower Upper
 330 100
 332 102.8 77.0 115.6
 141 45.0 29.9 44.9#

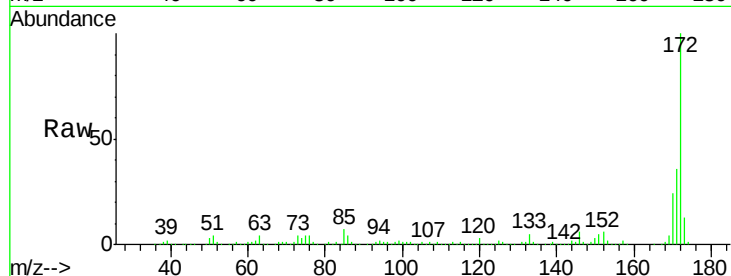




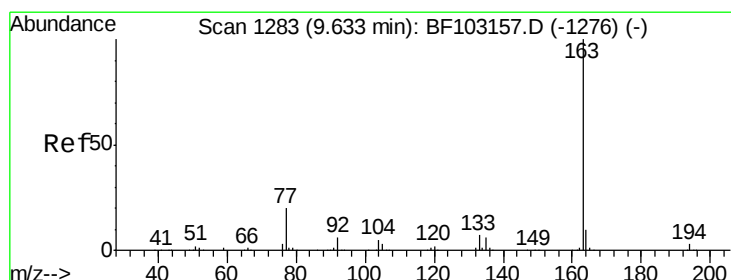
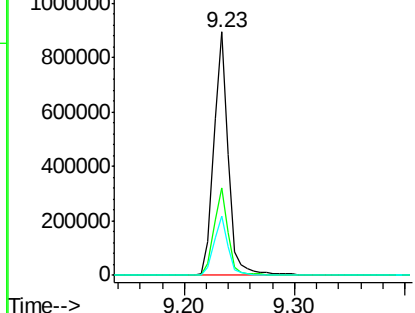
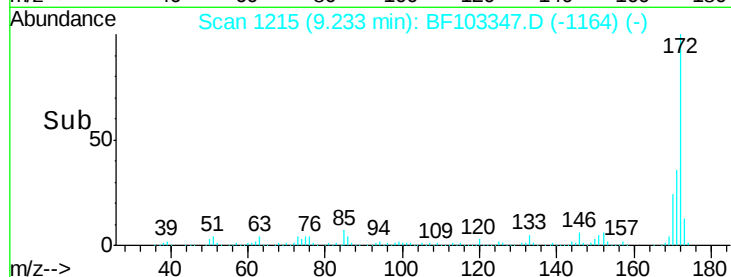
#44
2-Fluorobiphenyl
Concen: 75.836 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.00 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 800306
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.5 19.6 29.4

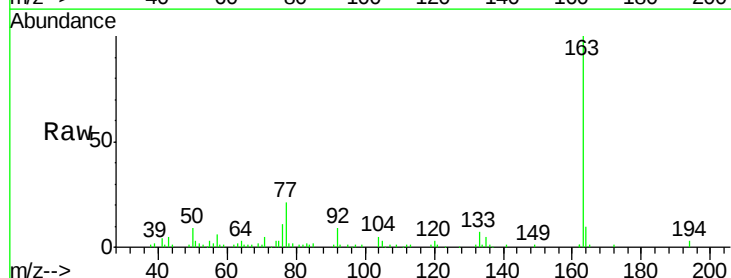


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

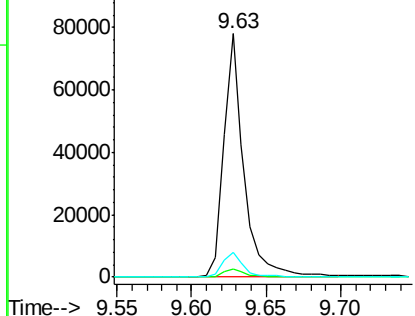
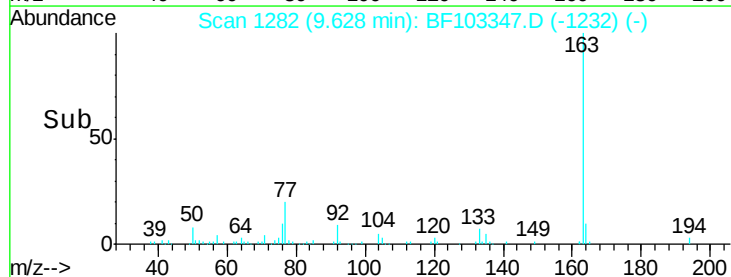


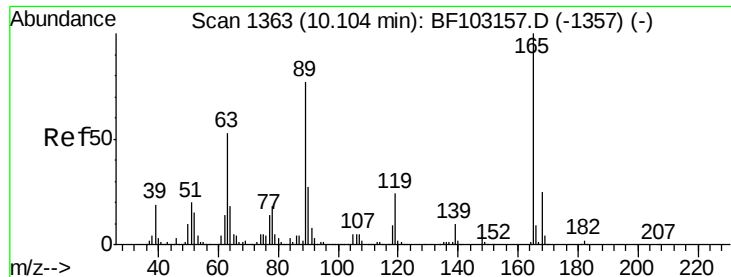
#49
Dimethylphthalate
Concen: 5.252 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion:163 Resp: 74635
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 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

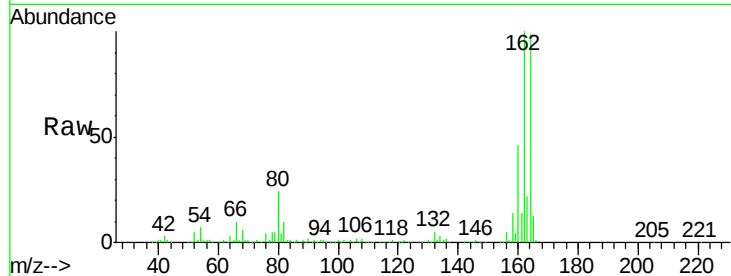




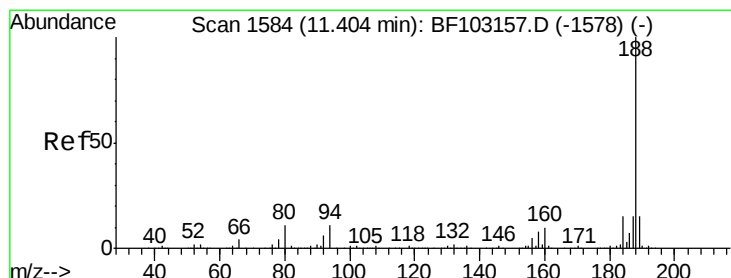
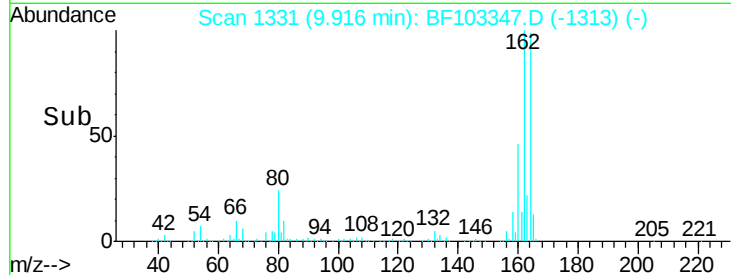
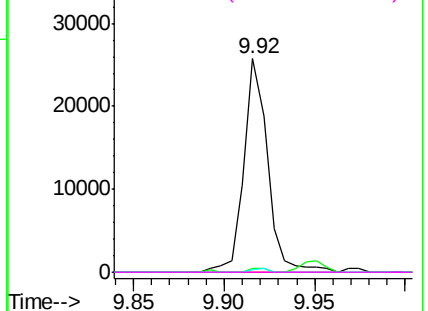
#56
2,4-Dinitrotoluene
Concen: 6.237 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23523
Ion Ratio Lower Upper
165 100
63 1.8 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

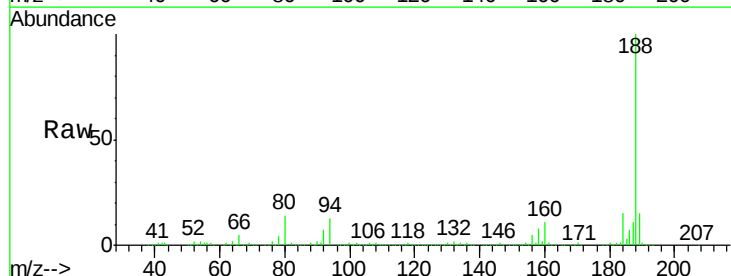


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

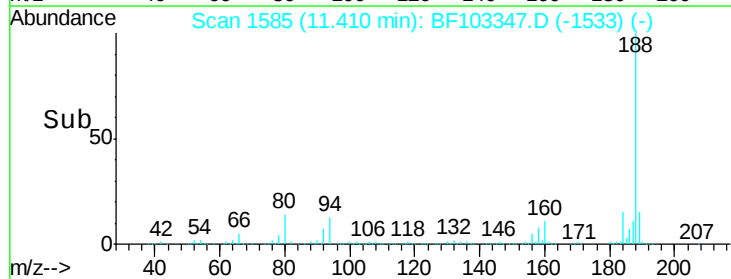
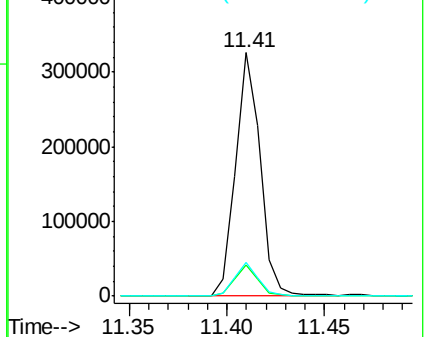


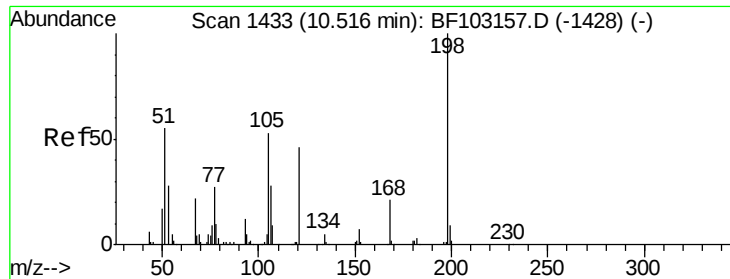
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion:188 Resp: 286337
Ion Ratio Lower Upper
188 100
94 13.0 8.5 12.7#
80 13.6 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

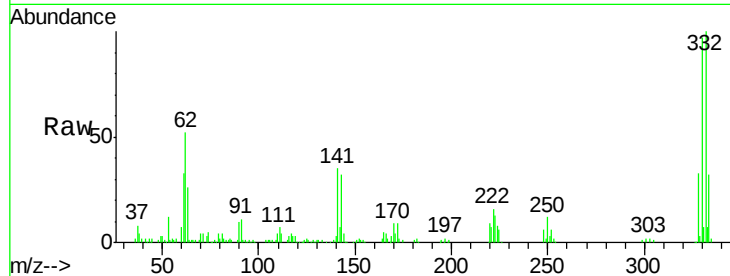




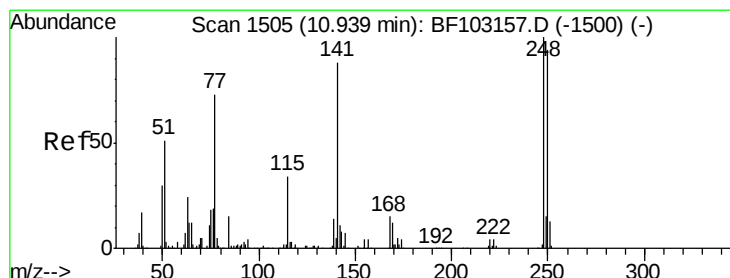
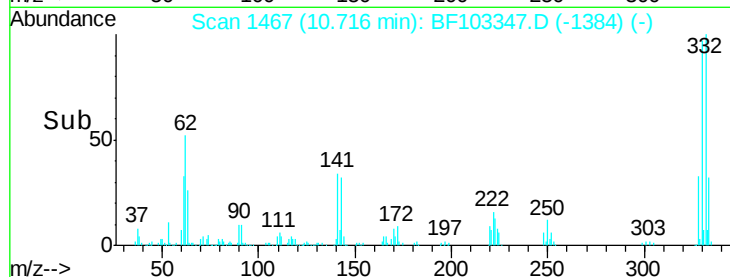
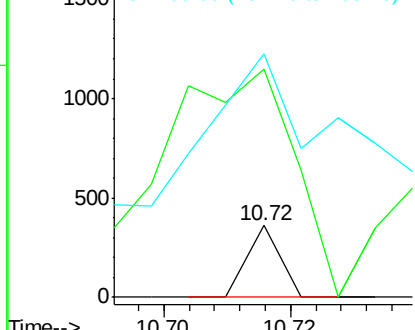
#64
4,6-Dinitro-2-methylphenol
Concen: 5.011 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 127
Ion Ratio Lower Upper
198 100
51 318.8 37.7 77.7#
105 339.3 36.3 76.3#

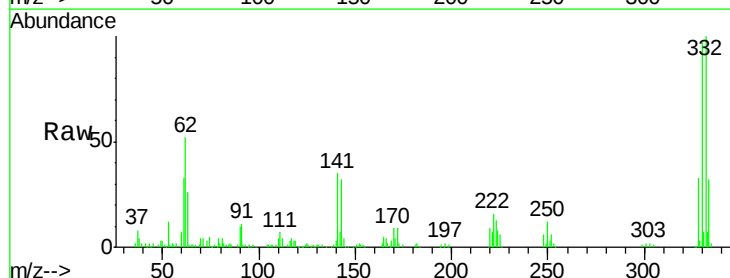


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

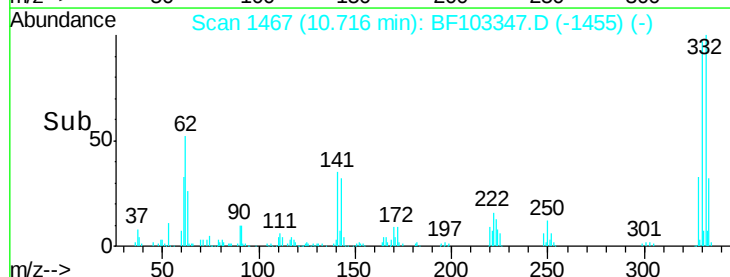
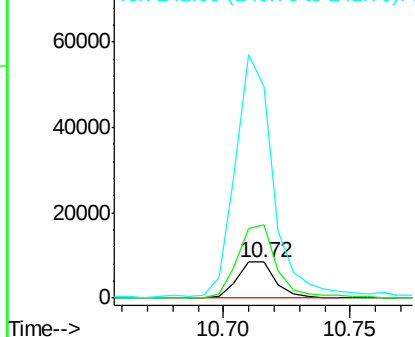


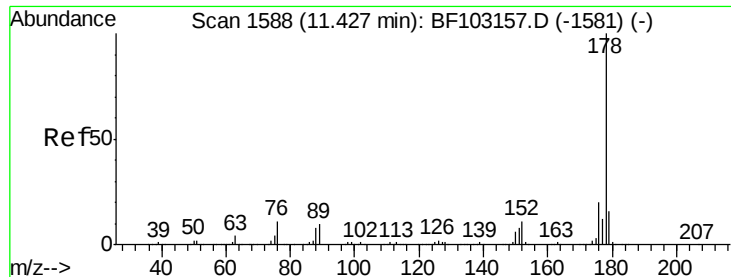
#66
4-Bromophenyl-phenylether
Concen: 2.997 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.23 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion:248 Resp: 8940
Ion Ratio Lower Upper
248 100
250 204.4 76.9 115.3#
141 589.7 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 10.569 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

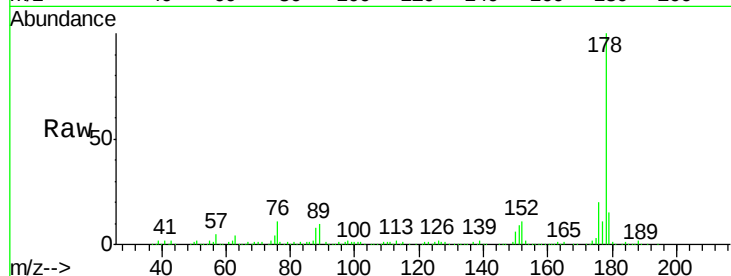
Tot Ion:178 Resp: 166554

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

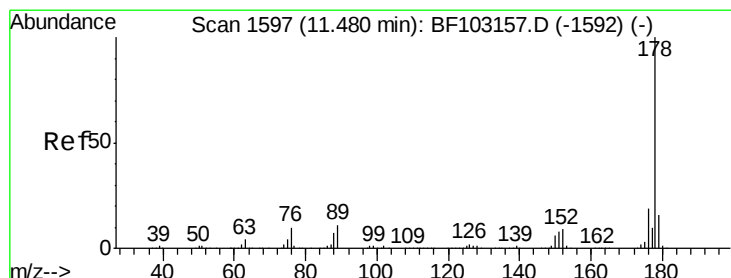
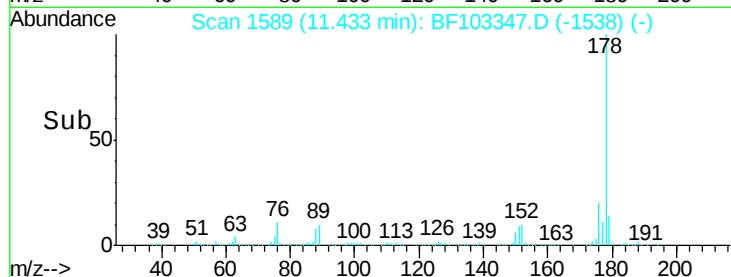
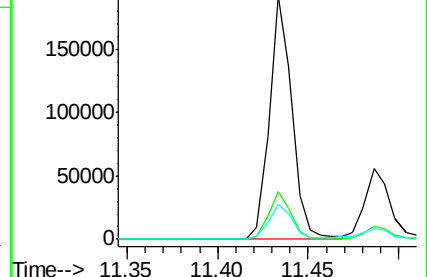
179 14.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.642 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

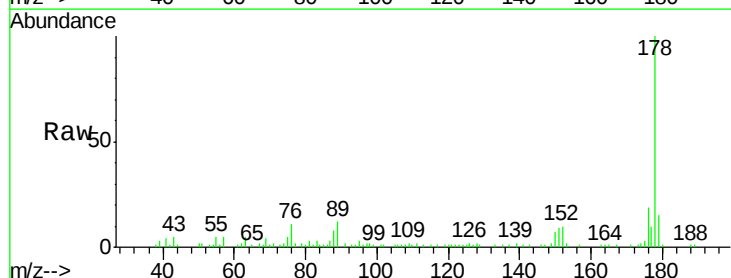
Tgt Ion:178 Resp: 58856

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

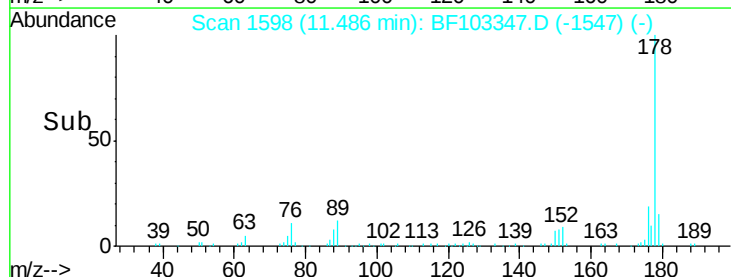
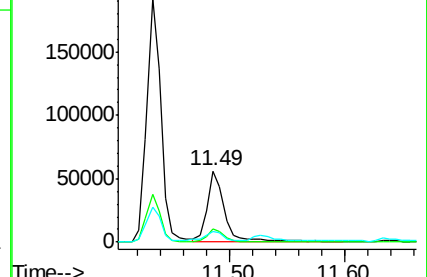
179 15.3 12.6 19.0

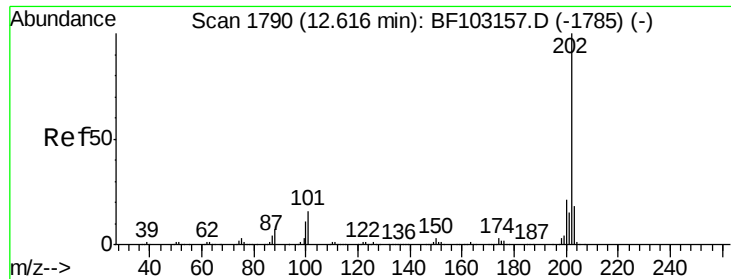


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.991 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

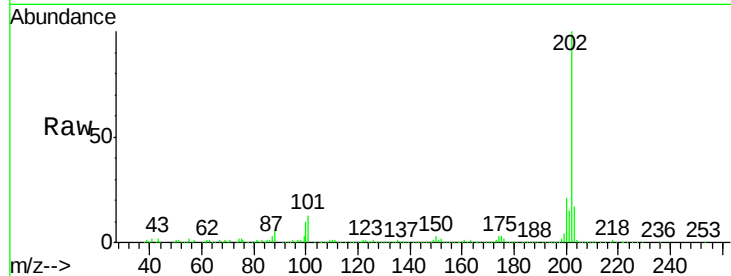
Tot Ion:202 Resp: 332400

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

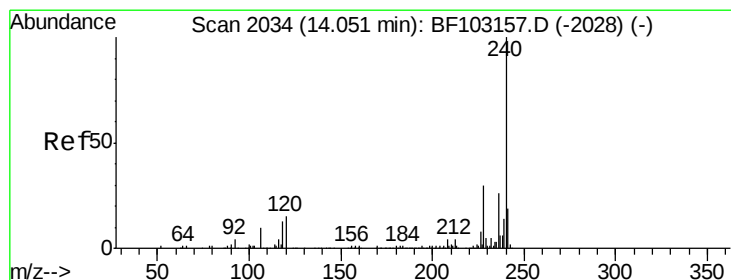
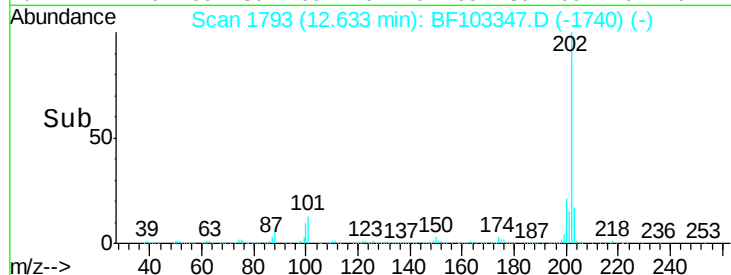
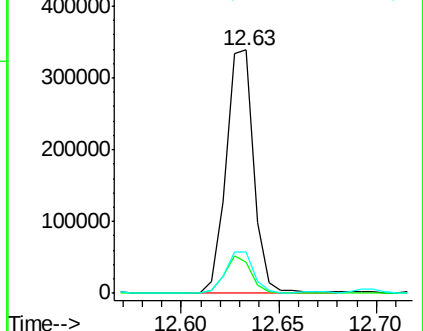
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

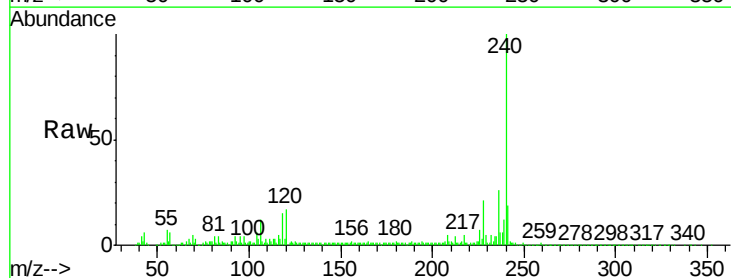
Tgt Ion:240 Resp: 184377

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

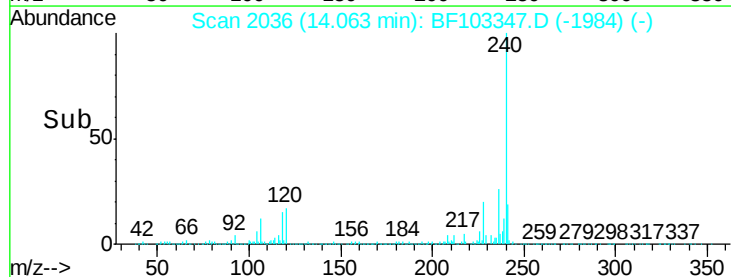
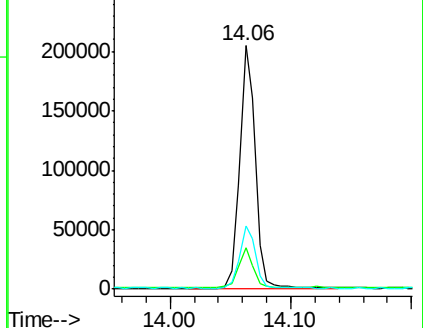
236 25.9 20.7 31.1

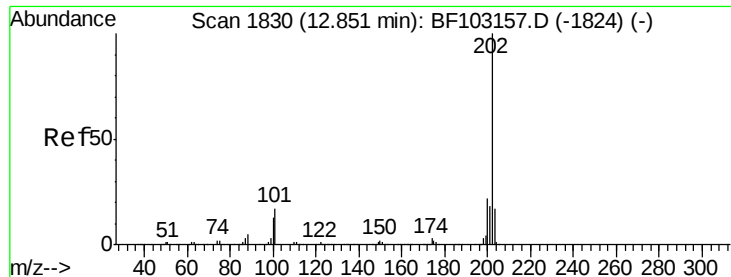


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.189 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

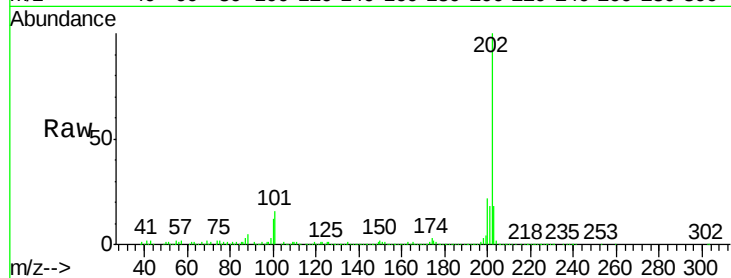
Tot Ion:202 Resp: 304593

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

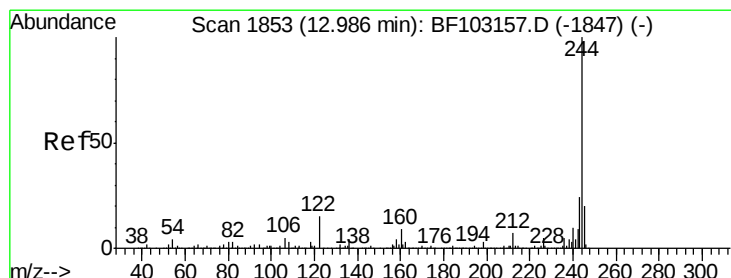
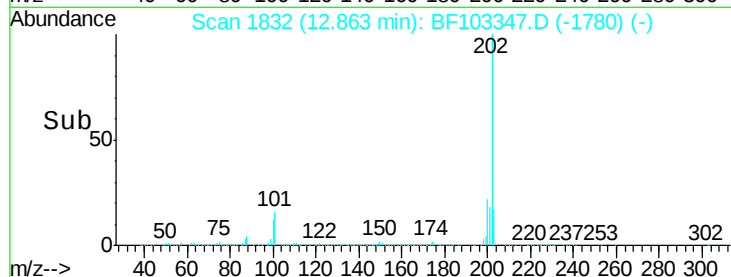
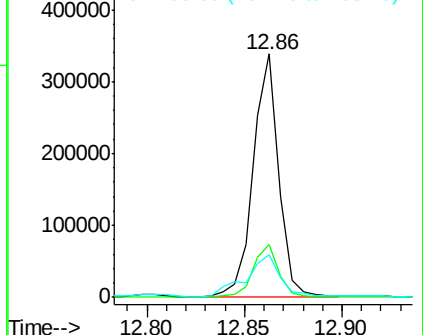
203 17.6 14.3 21.5



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: 81.929 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

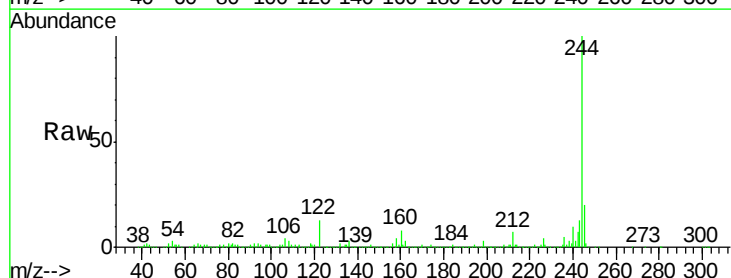
Tgt Ion:244 Resp: 628399

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

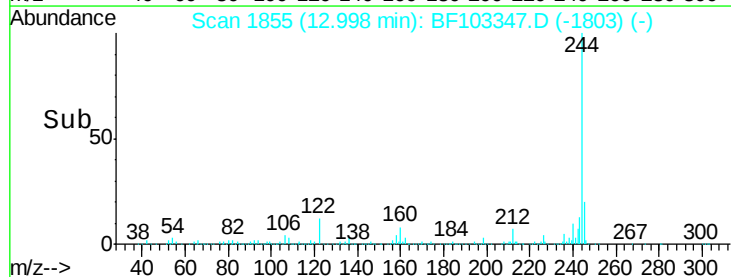
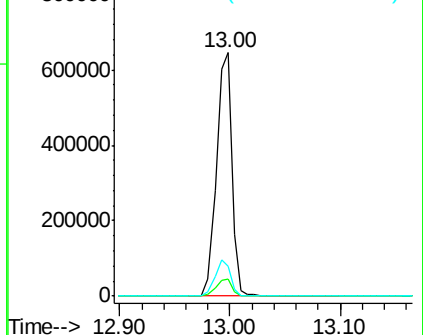
122 12.5 11.0 16.4

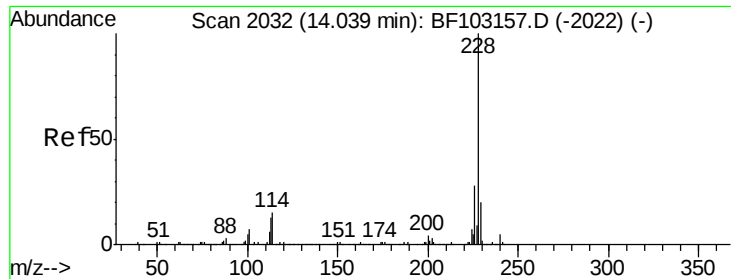


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

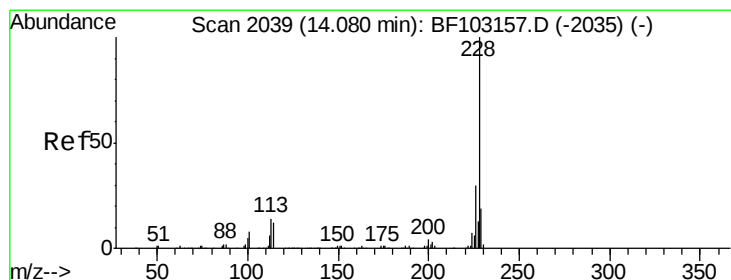
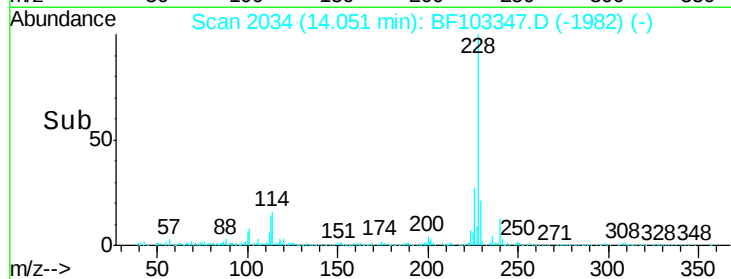
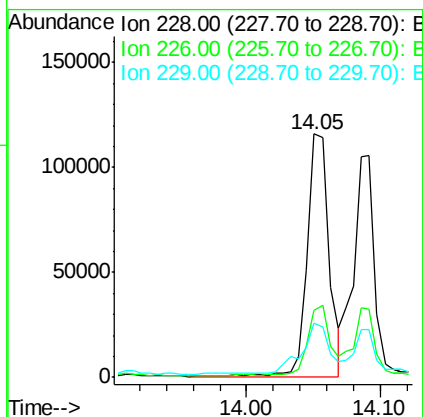
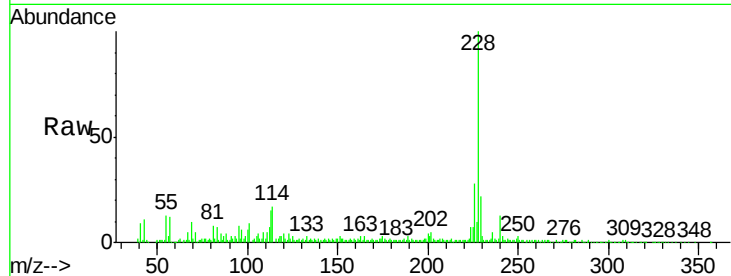




#80
Benzo(a)anthracene
Concen: 10.756 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

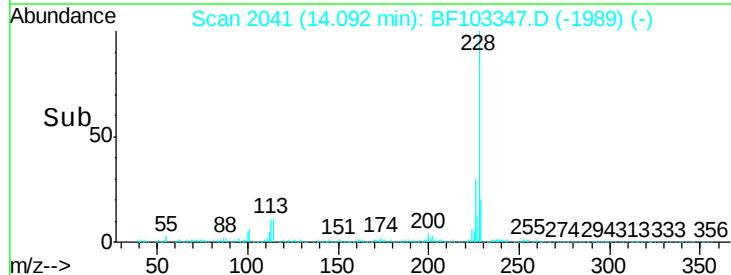
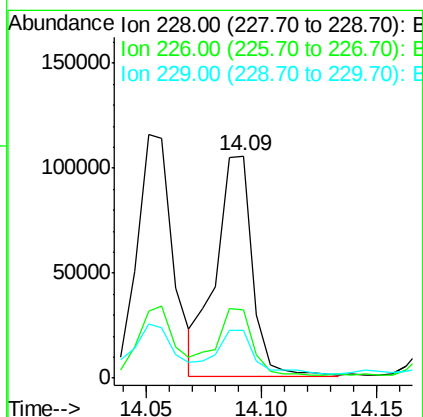
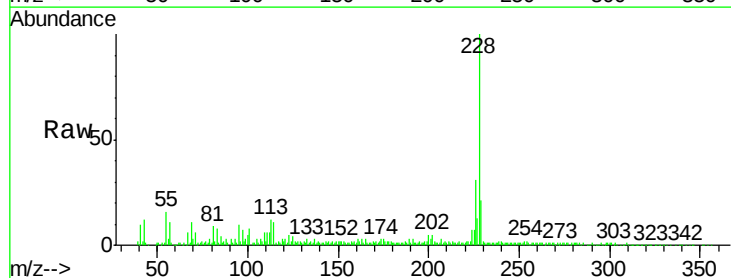
Instrument :
BNA_F
ClientSampleId :

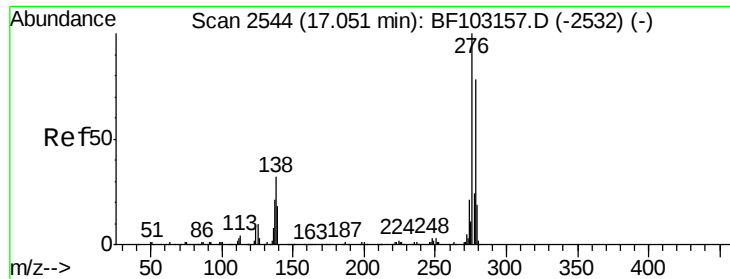
Tot Ion:228 Resp: 128676
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 9.948 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103347.D
Acq: 1 Mar 2018 19:57

Tgt Ion:228 Resp: 115554
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 21.5 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.011 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF103347.D

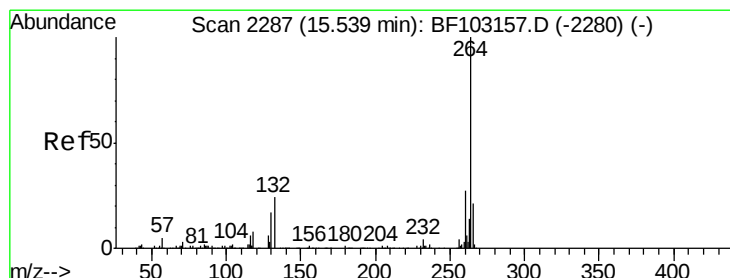
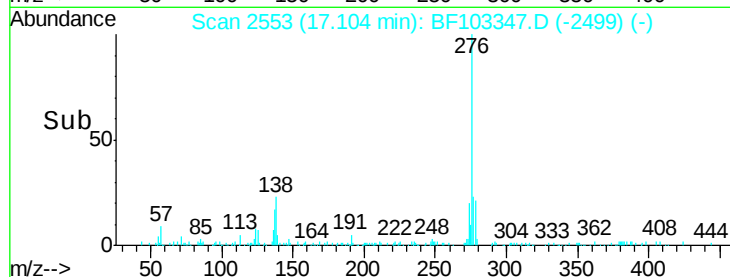
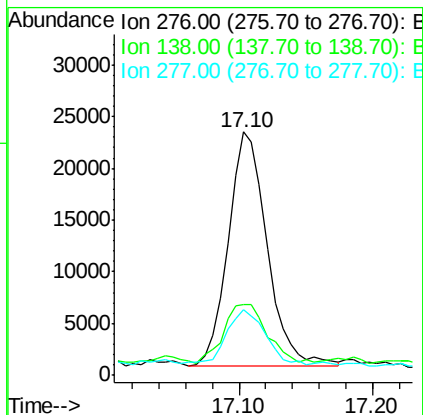
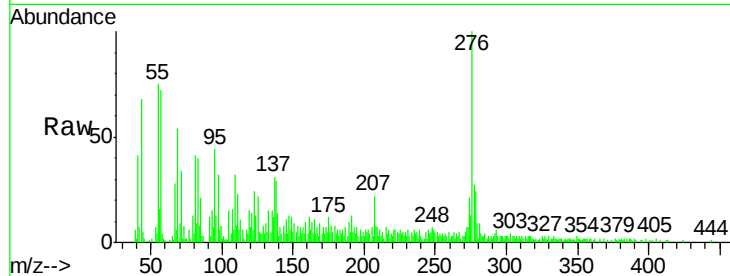
Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	276	Resp:	46077
Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	21.8	20.1	30.1



#86

Perylene-d12

Concen: 20.000 ng

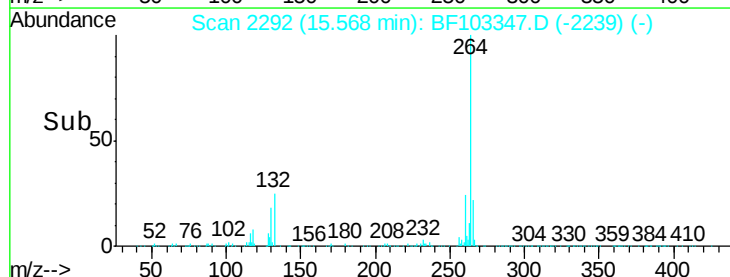
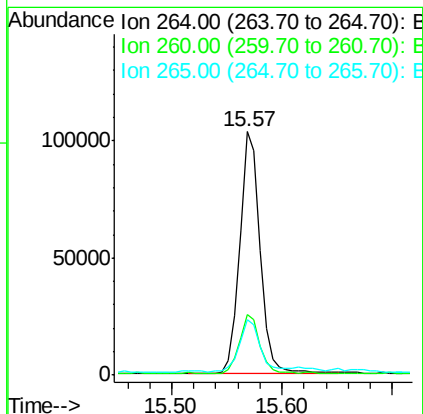
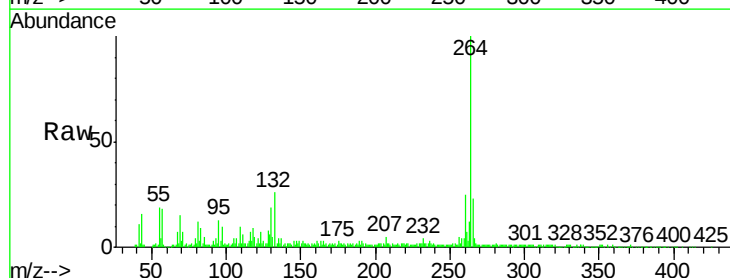
RT: 15.57 min Scan# 2292

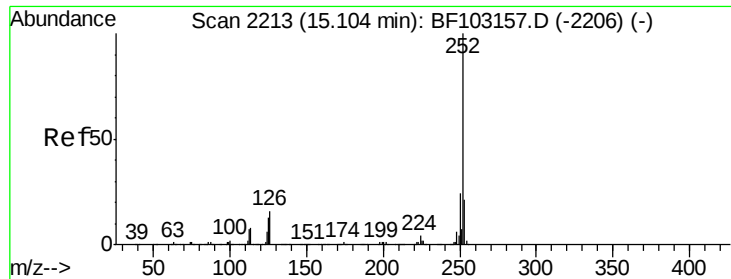
Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Tgt Ion:	264	Resp:	134326
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 17.001 ng

RT: 15.13 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

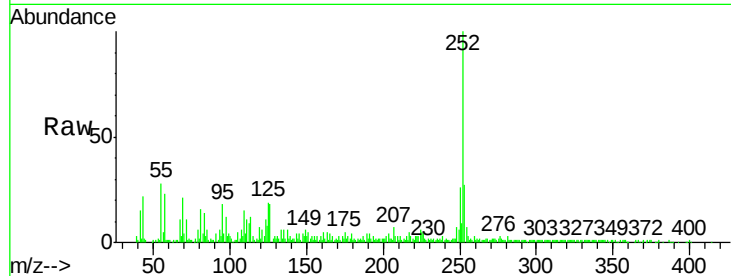
Tot Ion:252 Resp: 150150

Ion Ratio Lower Upper

252 100

253 26.7 17.0 25.6#

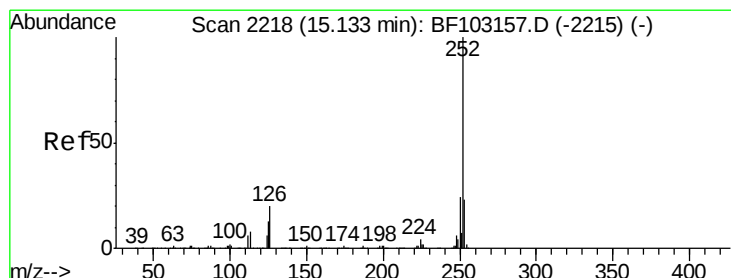
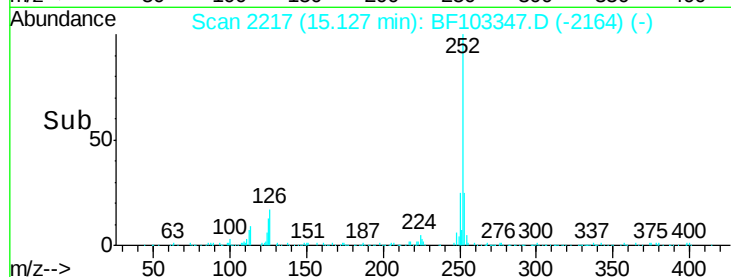
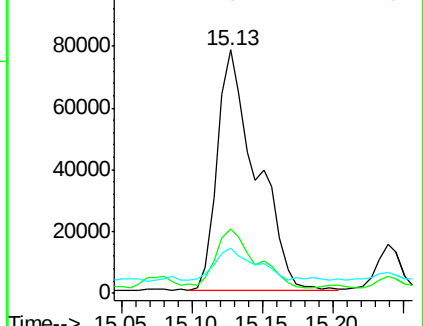
125 18.6 9.0 13.6#



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: 18.054 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

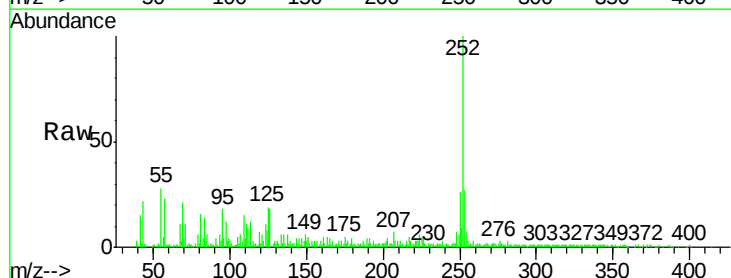
Tgt Ion:252 Resp: 150150

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

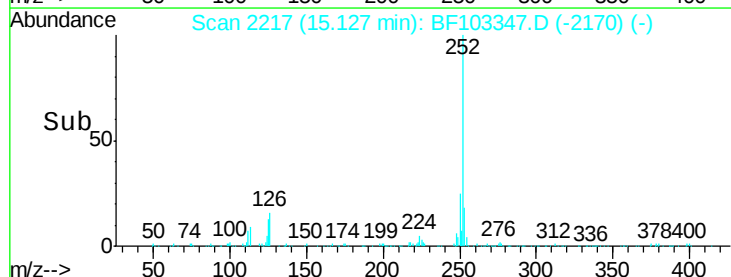
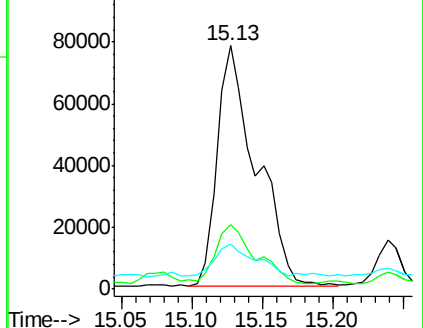
125 18.6 10.2 15.2#

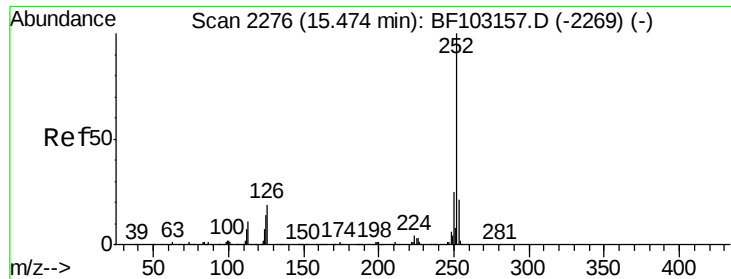


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.937 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

Instrument :

BNA_F

ClientSampleId :

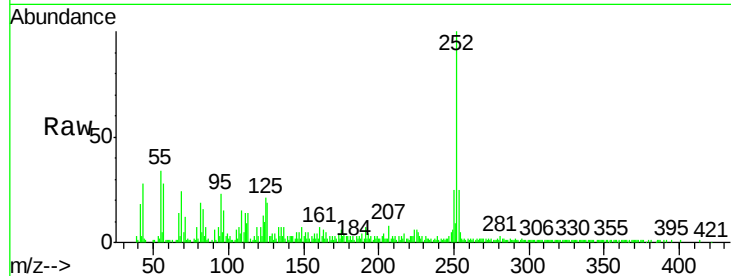
Tot Ion:252 Resp: 78370

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

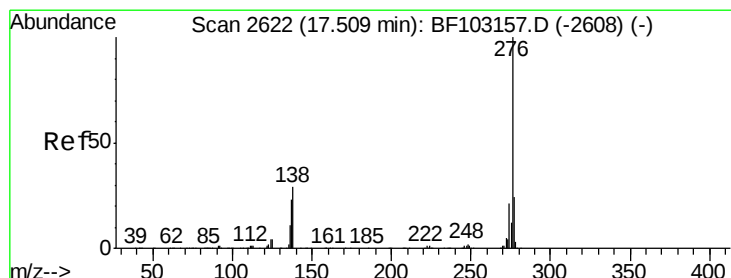
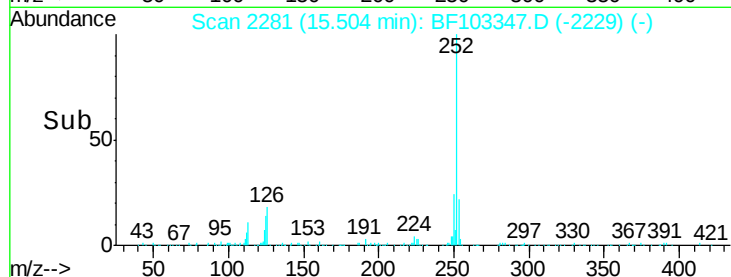
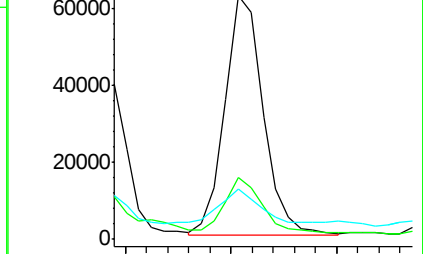
125 20.6 9.8 14.6#



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: 7.680 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.04 min

Lab File: BF103347.D

Acq: 1 Mar 2018 19:57

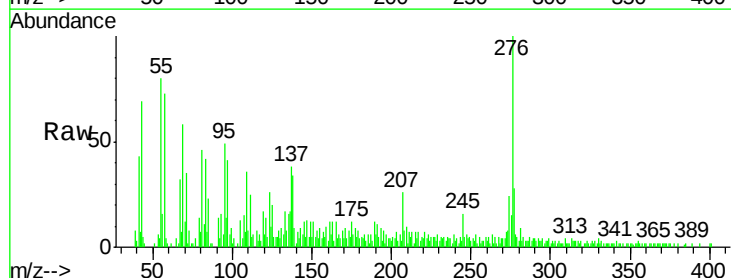
Tgt Ion:276 Resp: 45744

Ion Ratio Lower Upper

276 100

277 27.8 17.9 26.9#

138 34.2 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

