

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102610.D
 Acq On : 29 Jan 2018 21:16
 Operator : SJ/JU
 Sample : J1353-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

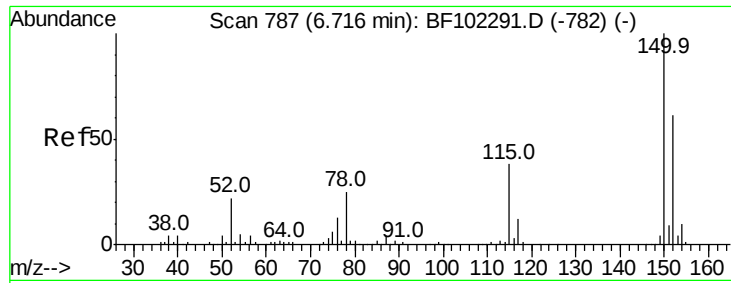
Quant Time: Jan 30 00:13:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	172433	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	733827	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	320504	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	544871	20.00	ng	0.00
75) Chrysene-d12	13.88	240	328697	20.00	ng	0.00
86) Perylene-d12	15.32	264	316818	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1136074	99.90	ng	0.00
7) Phenol-d6	6.36	99	1412032	102.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	896948	70.24	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	264916	83.42	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1172388	53.78	ng	0.00
78) Terphenyl-d14	12.82	244	972826	66.72	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	23309	2.467	ng	89
19) n-Nitroso-di-n-propylamine	7.28	70	118078	14.073	ng	# 80
25) Isophorone	7.28	82	891509	39.161	ng	# 64
48) Acenaphthylene	9.61	152	233837	6.738	ng	100
49) Dimethylphthalate	9.47	163	161924	6.112	ng	98
66) 4-Bromophenyl-phenylether	10.55	248	18118	3.089	ng	# 1
70) Phenanthrene	11.26	178	789870	24.877	ng	99
71) Anthracene	11.31	178	193574	5.973	ng	99
72) Carbazole	11.47	167	99900	3.160	ng	99
74) Fluoranthene	12.45	202	1301171	40.187	ng	99
77) Pyrene	12.68	202	1215088	47.812	ng	100
80) Benzo(a)anthracene	13.87	228	602444	29.770	ng	93
82) Chrysene	13.90	228	559865	27.244	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	48907	2.877	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	358155	21.103	ng	96
87) Benzo(b)fluoranthene	14.90	252	888840	43.285	ng	# 94
88) Benzo(k)fluoranthene	14.90	252	888840	45.815	ng	97
89) Benzo(a)pyrene	15.26	252	485599	26.220	ng	95
90) Dibenzo(a,h)anthracene	16.88	278	73918	4.927	ng	93
91) Benzo(a,h,i)perylene	17.15	276	374692	25.295	ng	97

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

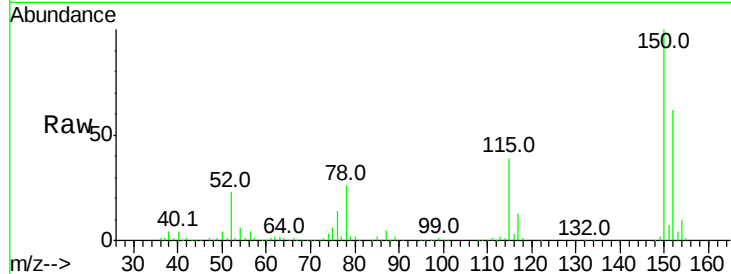


#1

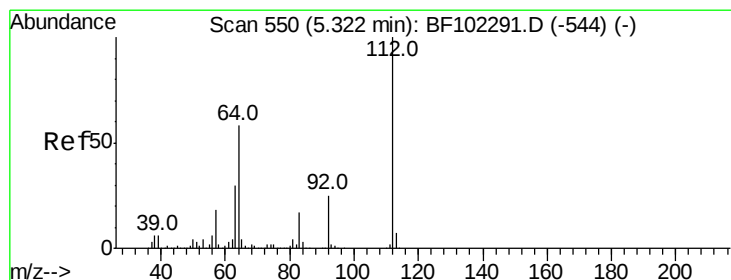
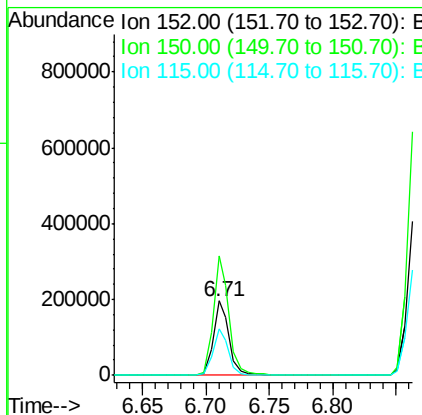
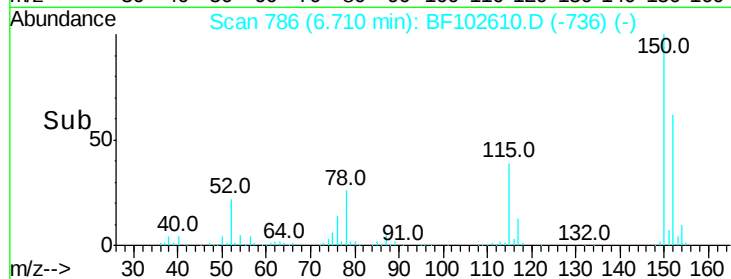
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172433
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 62.5 50.1 75.1



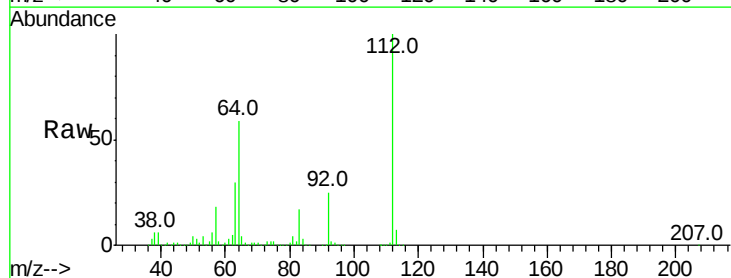
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



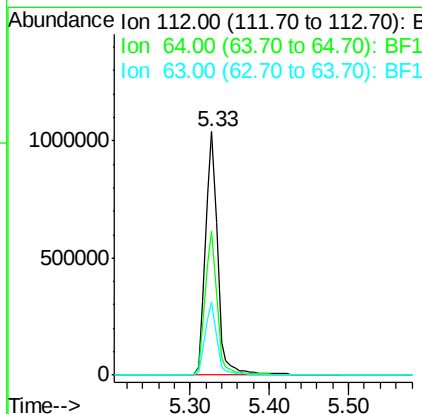
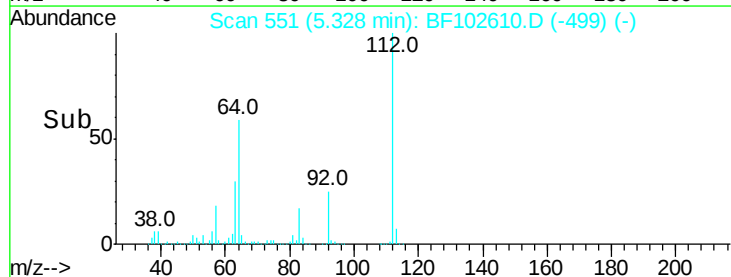
#5

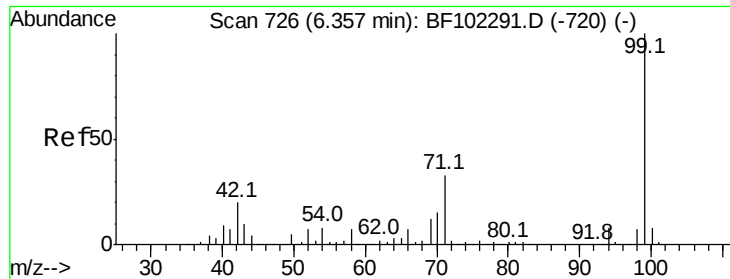
2-Fluorophenol
Concen: 99.899 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:112 Resp: 1136074
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 30.0 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: 102.991 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

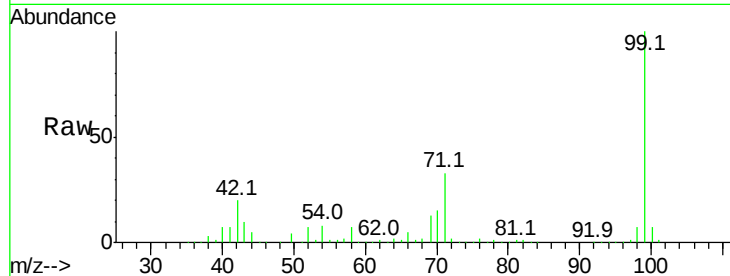
Tot Ion: 99 Resp: 1412032

Ion Ratio Lower Upper

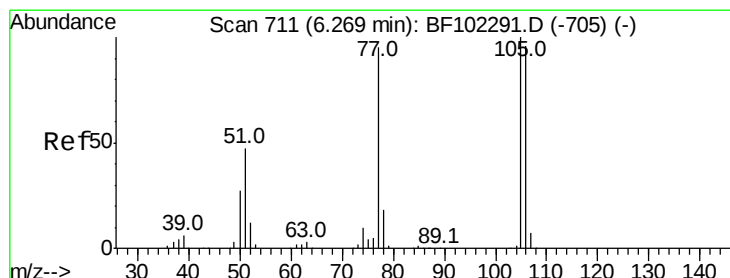
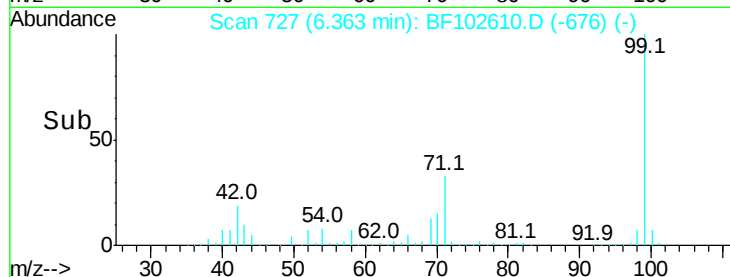
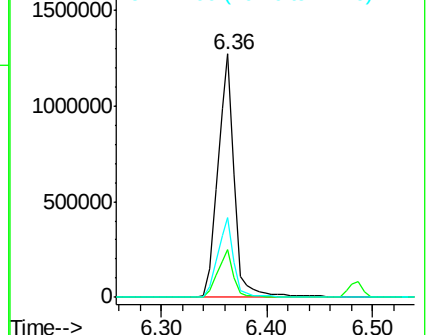
99 100

42 19.5 14.5 21.7

71 32.9 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



#9

Benzaldehyde

Concen: 2.467 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

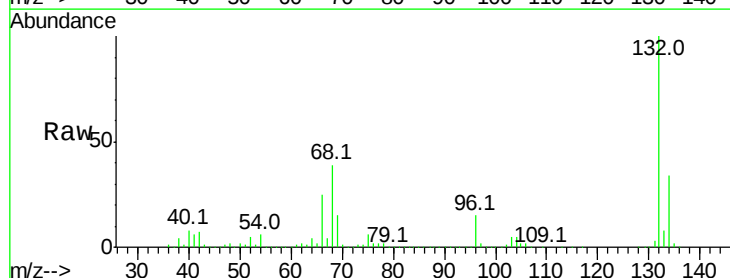
Tgt Ion: 77 Resp: 23309

Ion Ratio Lower Upper

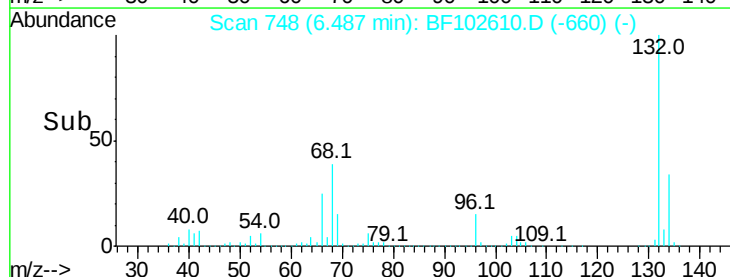
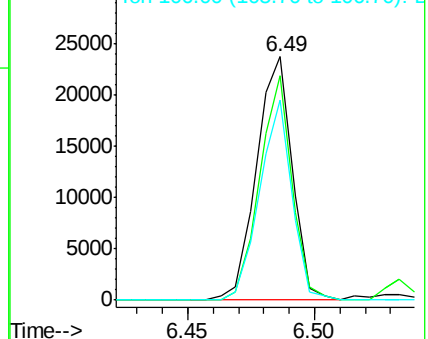
77 100

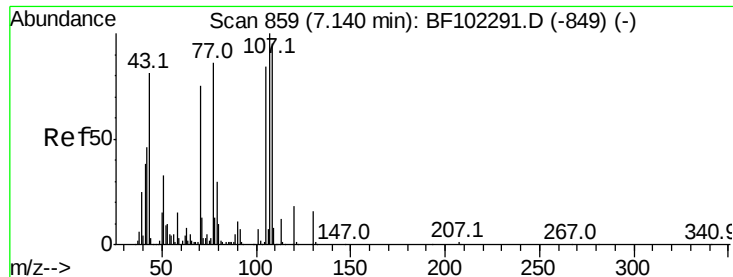
105 92.1 81.1 121.1

106 82.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

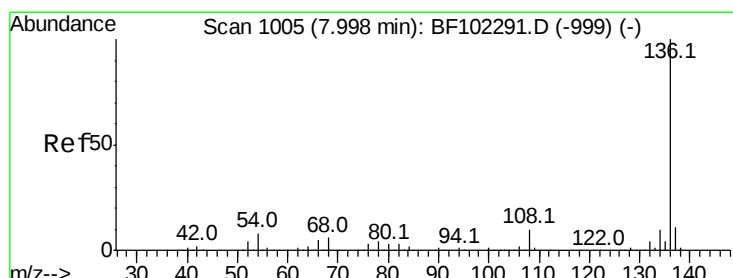
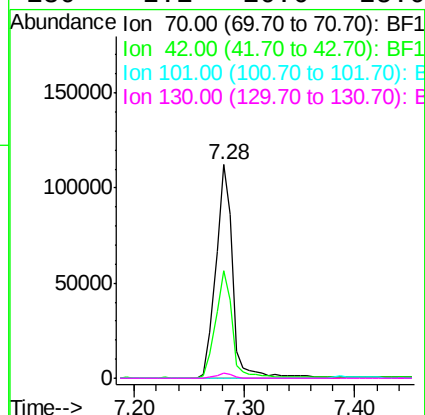
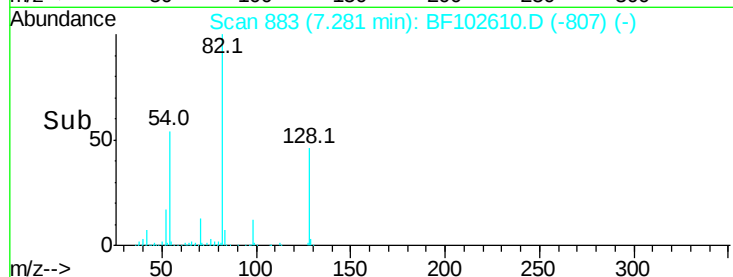
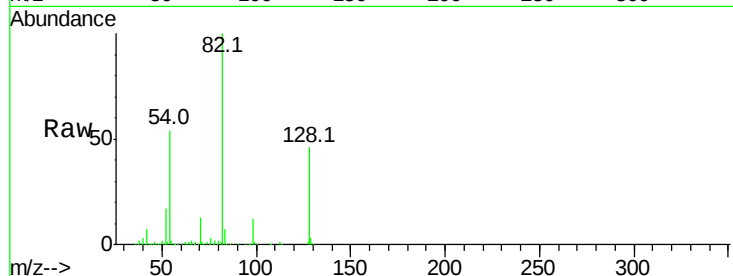




#19
n-Nitroso-di-n-propylamine
Concen: 14.073 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

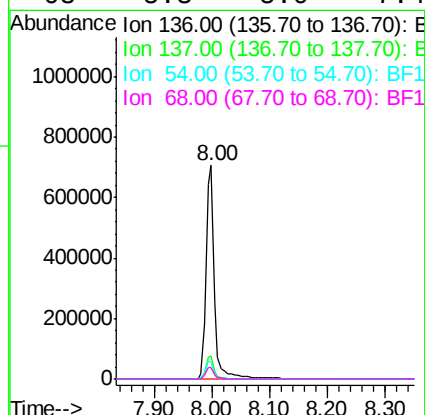
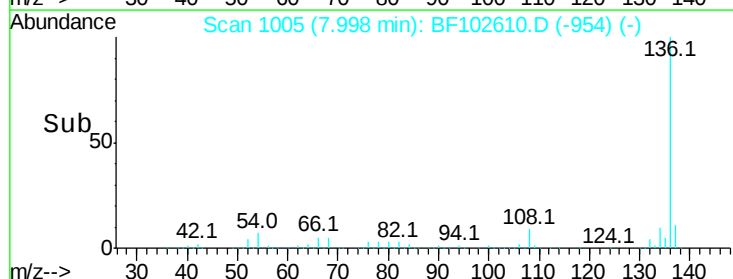
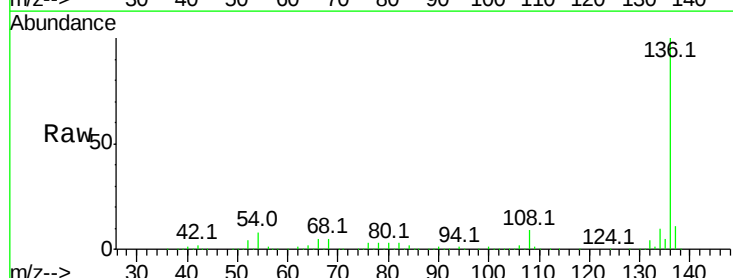
Instrument :
BNA_F
ClientSampleId :

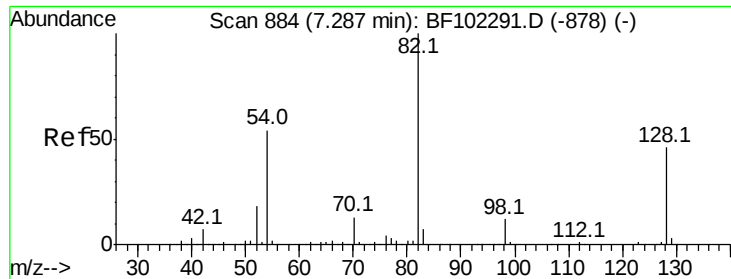
Tot Ion: 70 Resp: 118078
Ion Ratio Lower Upper
70 100
42 50.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:136 Resp: 733827
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.5 6.6 9.8
68 5.3 5.0 7.4

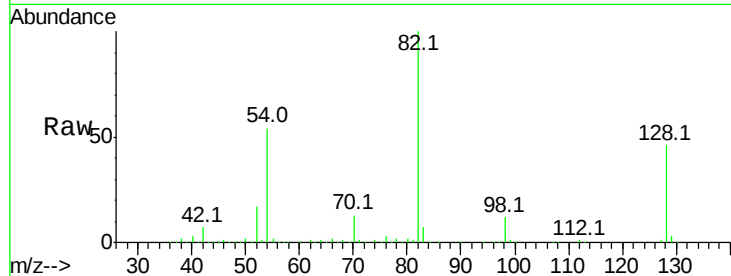




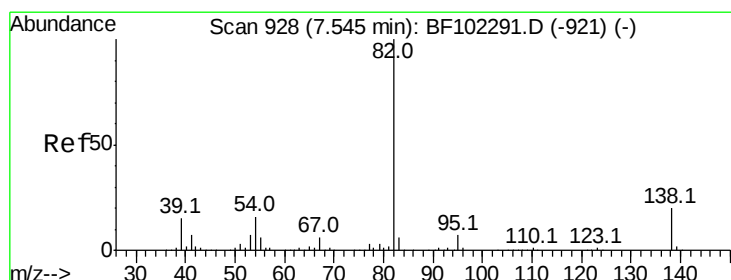
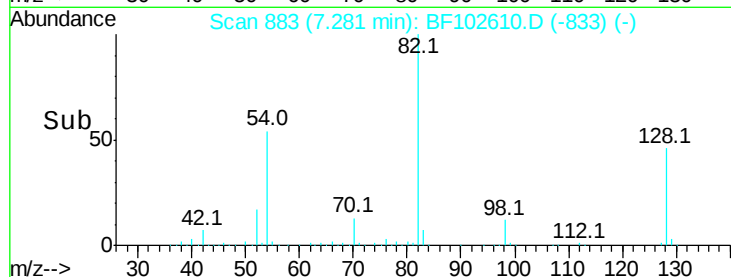
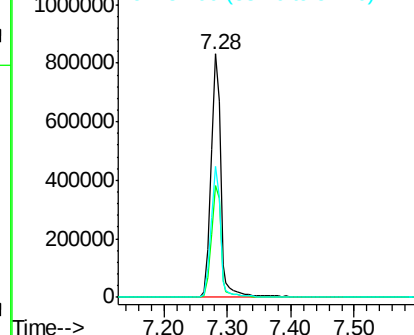
#23
Nitrobenzene-d5
Concen: 70.241 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 896948
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 53.6 41.4 62.2

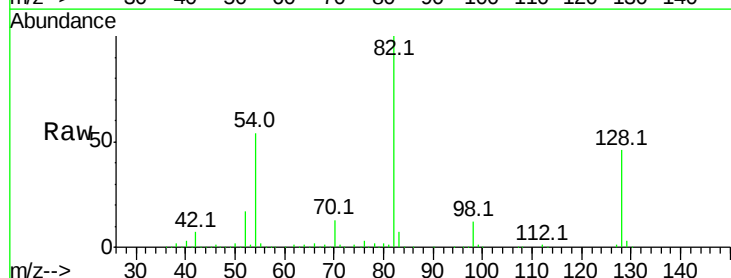


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

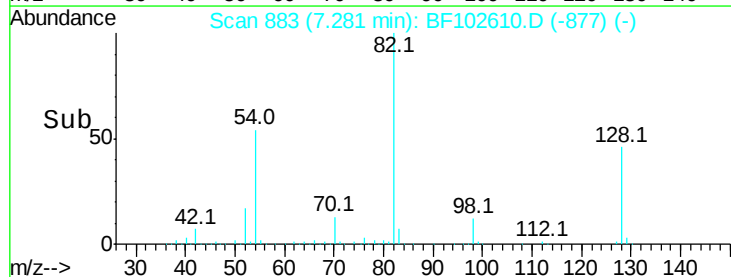
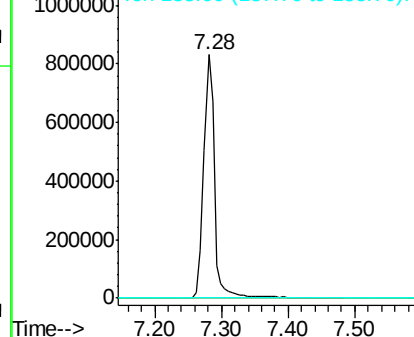


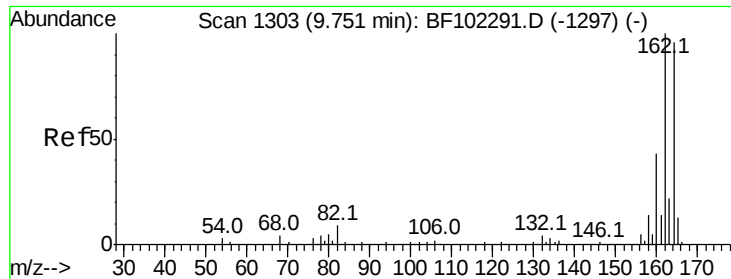
#25
Isophorone
Concen: 39.161 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion: 82 Resp: 891509
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

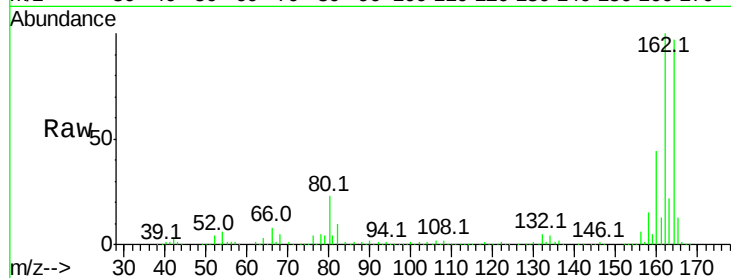




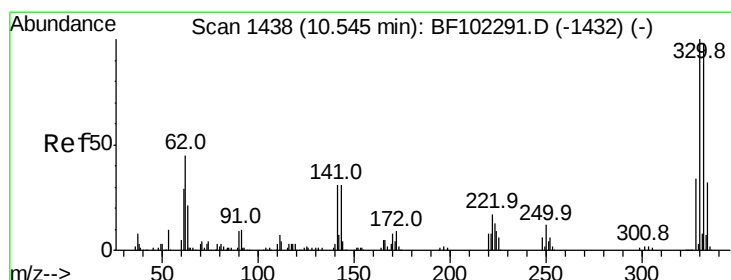
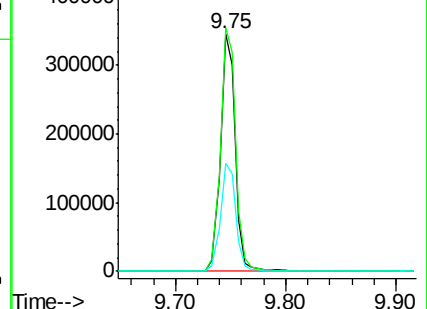
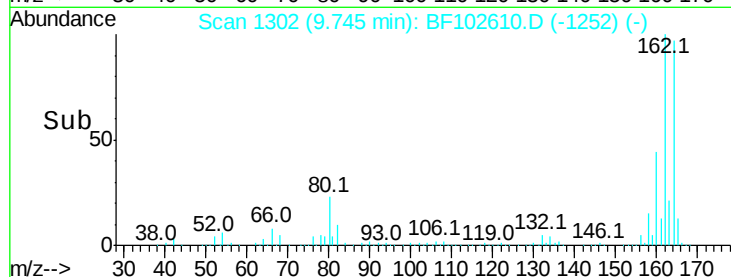
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 320504
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 45.5 38.3 57.5

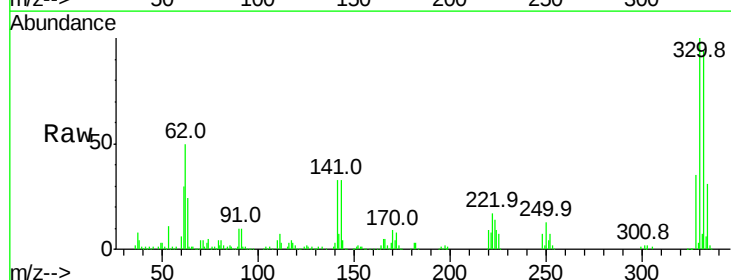


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

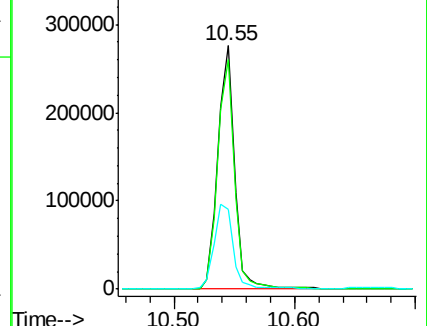
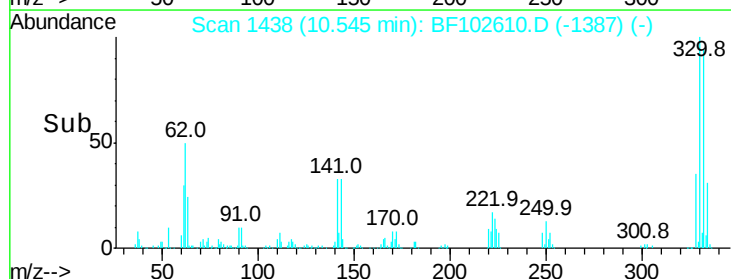


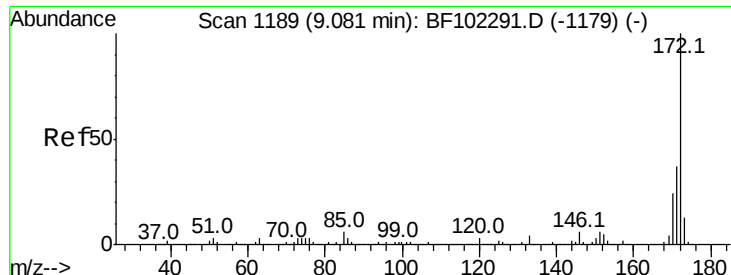
#41
 2,4,6-Tribromophenol
 Concen: 83.419 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion:330 Resp: 264916
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 40.2 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

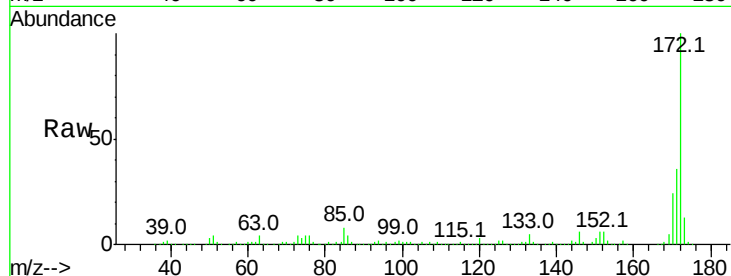




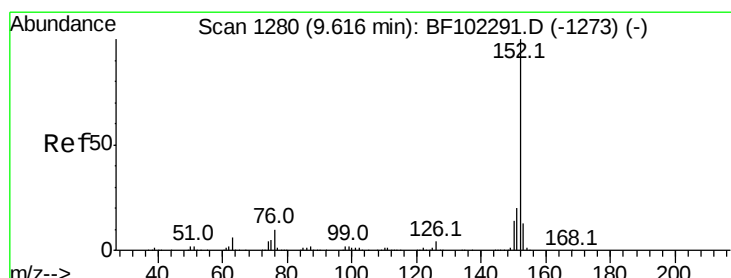
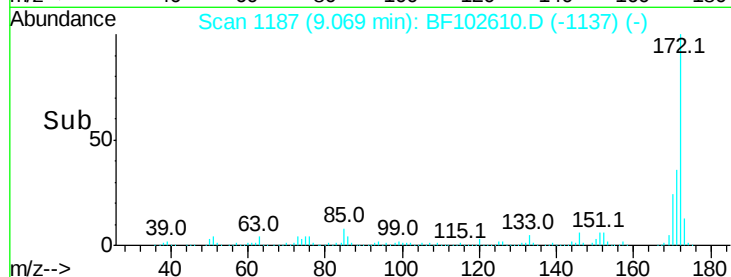
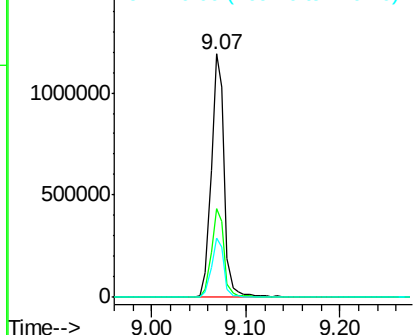
#44
2-Fluorobiphenyl
Concen: 53.785 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1172388
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.2 19.6 29.4

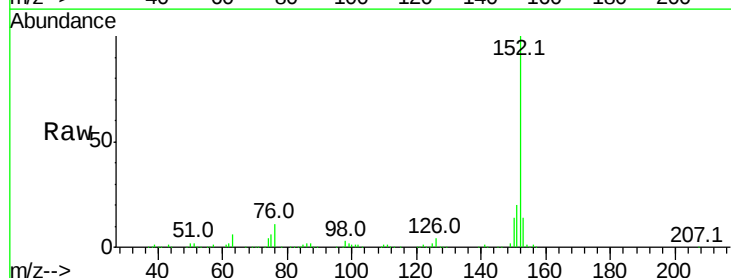


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

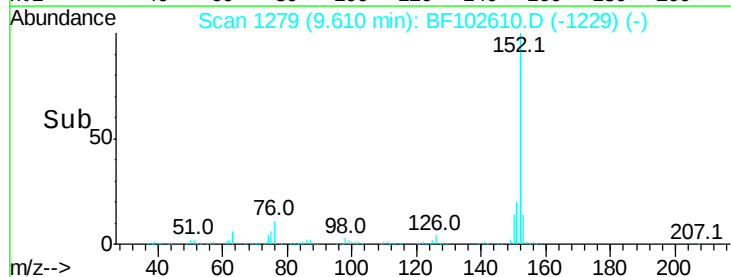
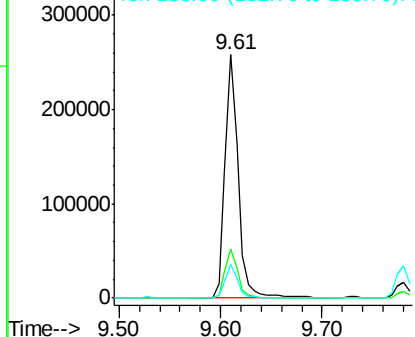


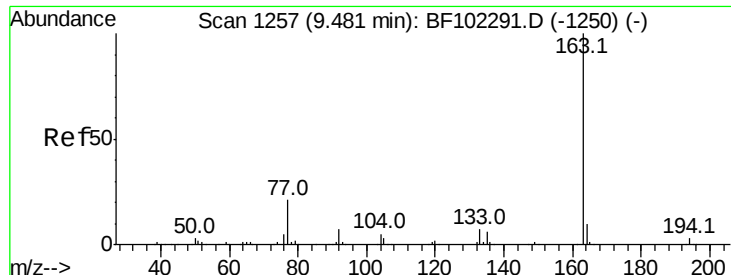
#48
Acenaphthylene
Concen: 6.738 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:152 Resp: 233837
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.7 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

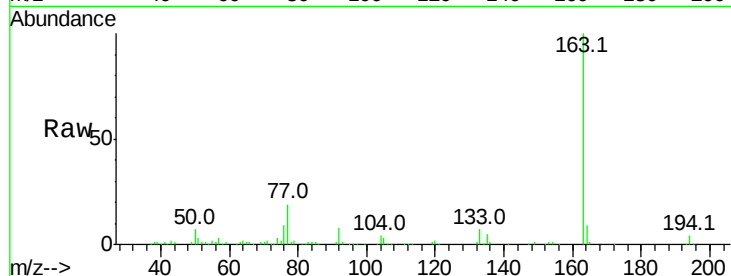




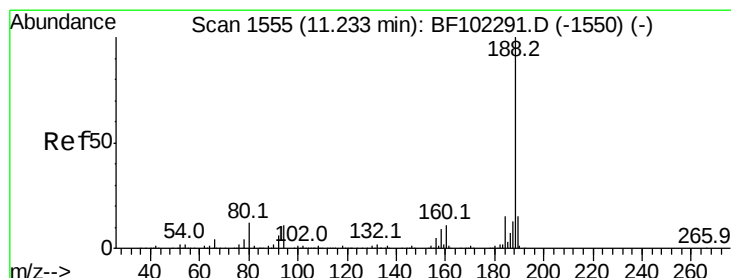
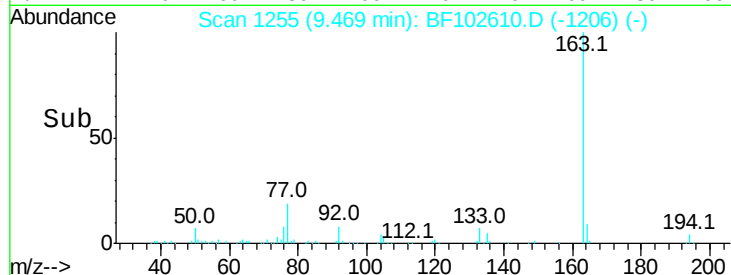
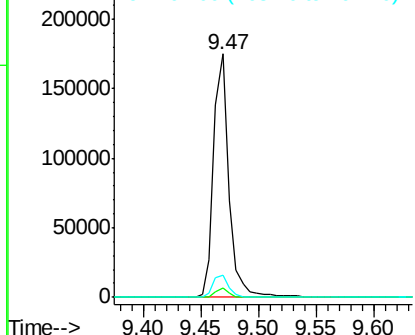
#49
Dimethylphthalate
Concen: 6.112 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 161924
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.1 8.2 12.2

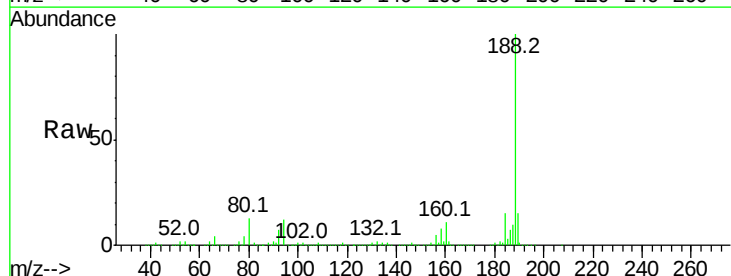


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

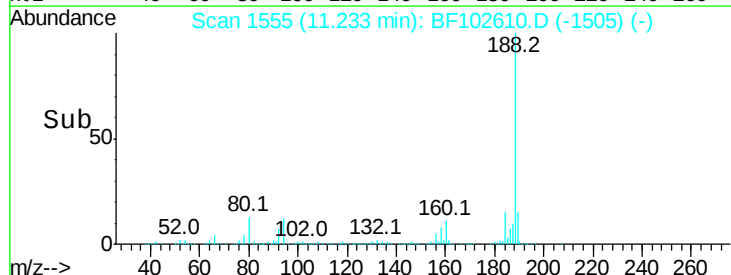
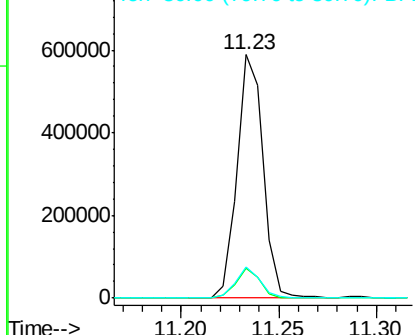


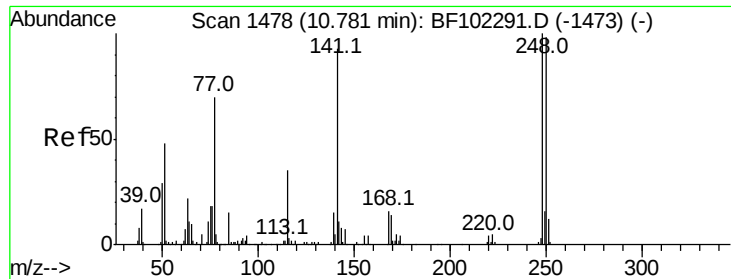
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:188 Resp: 544871
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 12.7 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

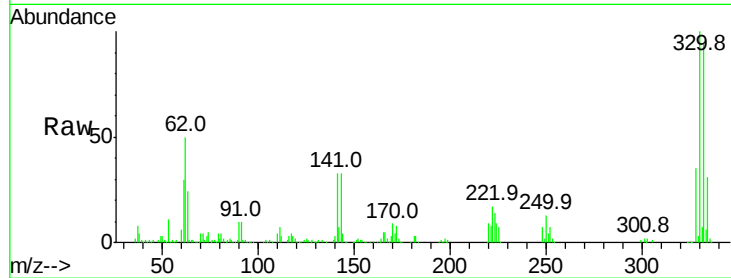




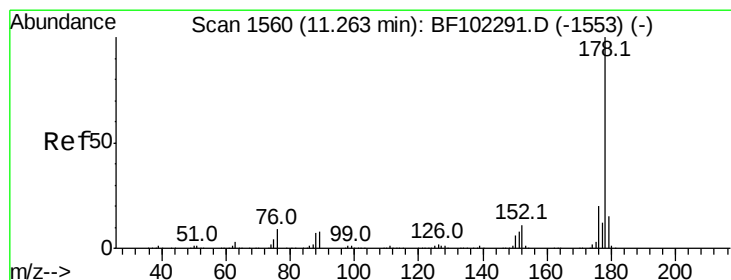
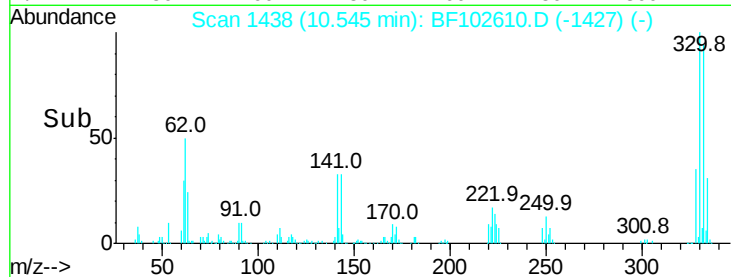
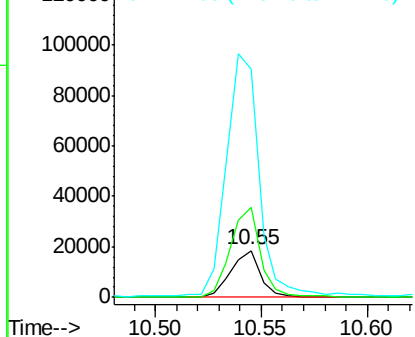
#66
4-Bromophenyl-phenylether
Concen: 3.089 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18118
Ion Ratio Lower Upper
248 100
250 190.9 76.9 115.3#
141 486.6 74.4 111.6#

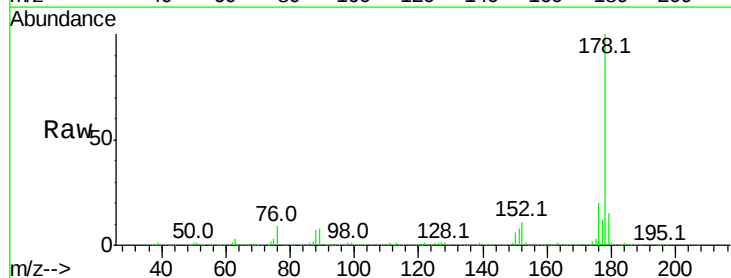


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

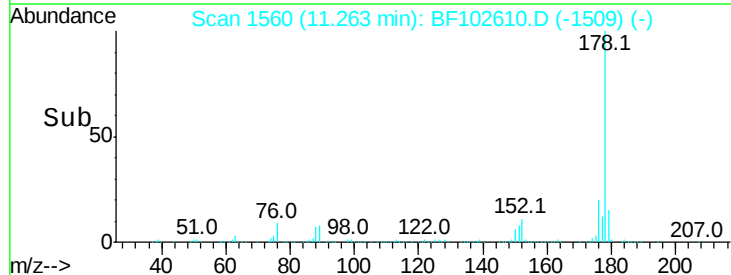
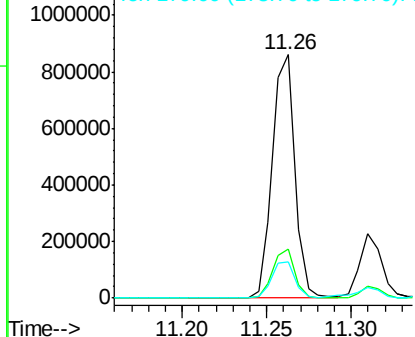


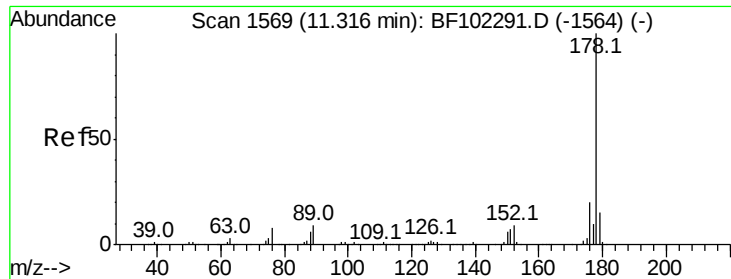
#70
Phenanthrene
Concen: 24.877 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:178 Resp: 789870
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.1 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

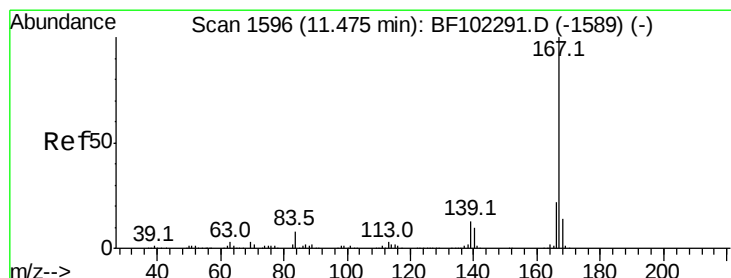
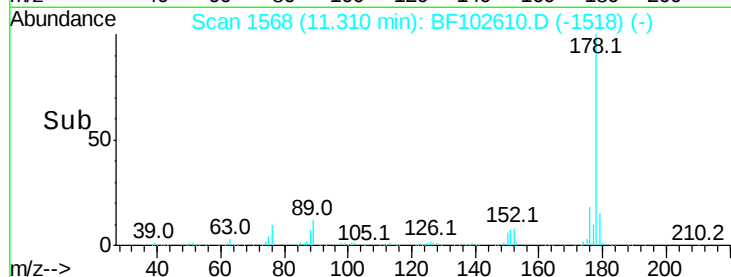
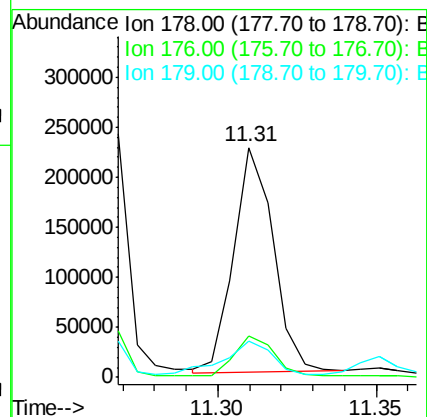
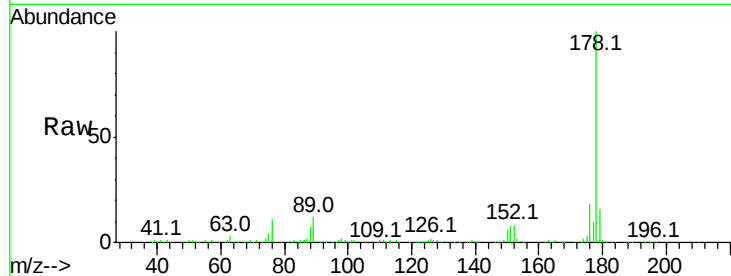




#71
 Anthracene
 Concen: 5.973 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

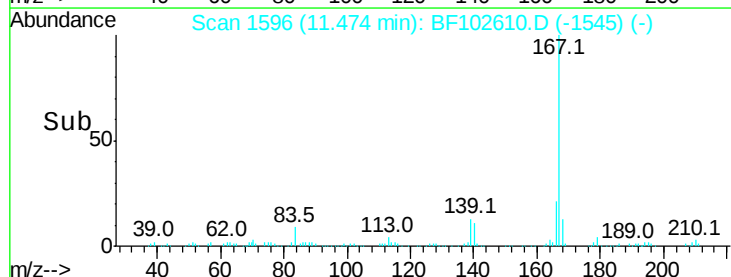
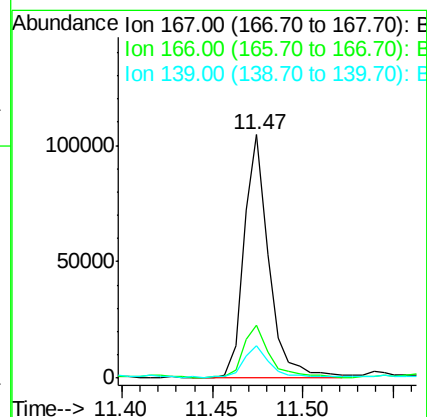
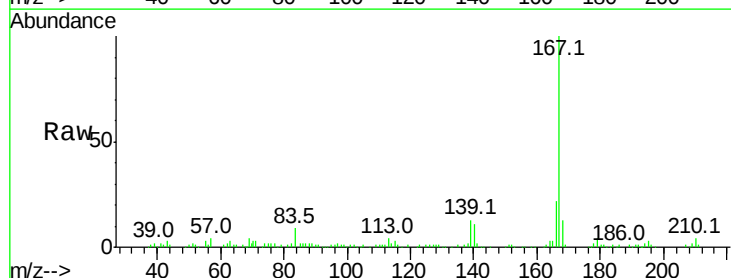
Instrument :
 BNA_F
 ClientSampleId :

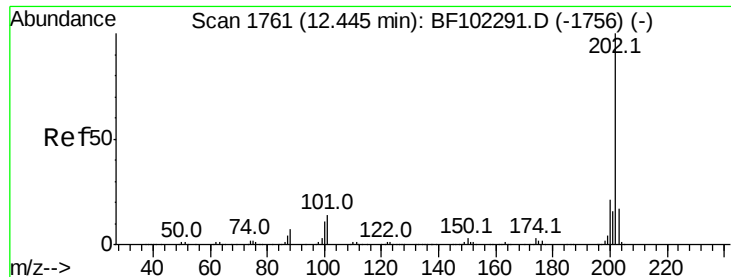
Tot Ion:178 Resp: 193574
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 3.160 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion:167 Resp: 99900
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.2 10.9 16.3





#74

Fluoranthene

Concen: 40.187 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

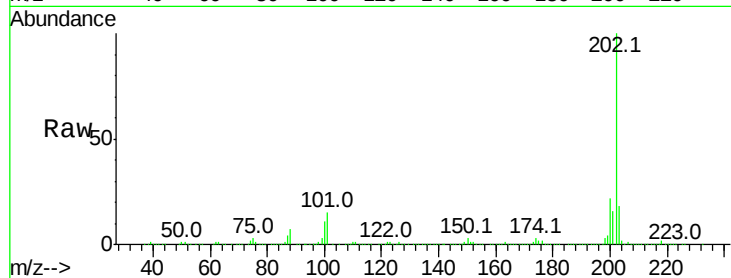
Tot Ion:202 Resp: 1301171

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

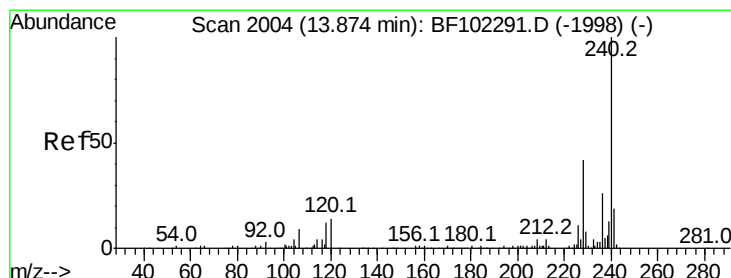
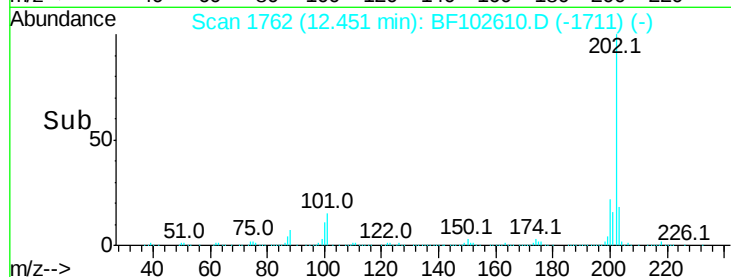
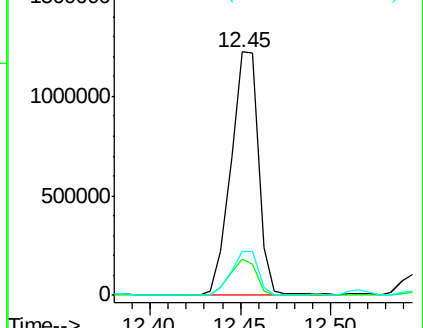
203 18.0 0.0 38.1



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: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

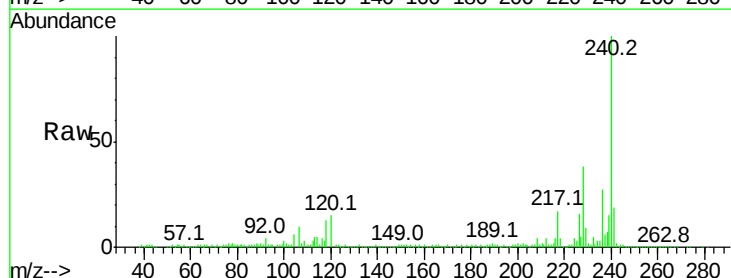
Tgt Ion:240 Resp: 328697

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

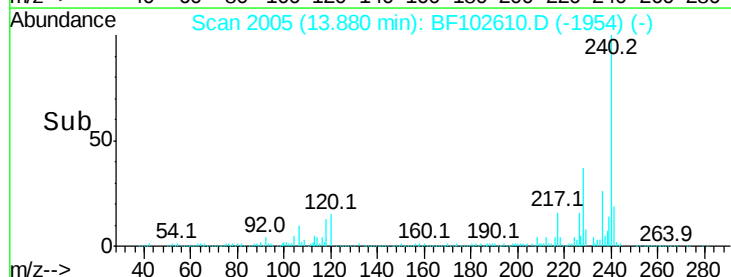
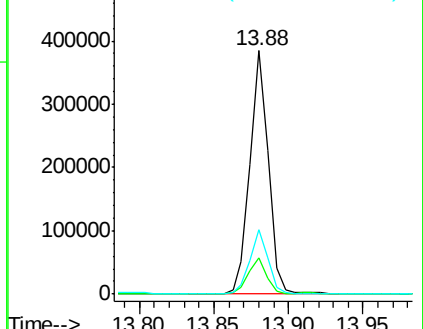
236 26.5 20.7 31.1

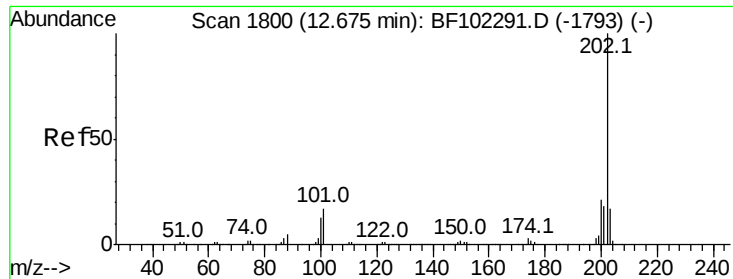


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 47.812 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

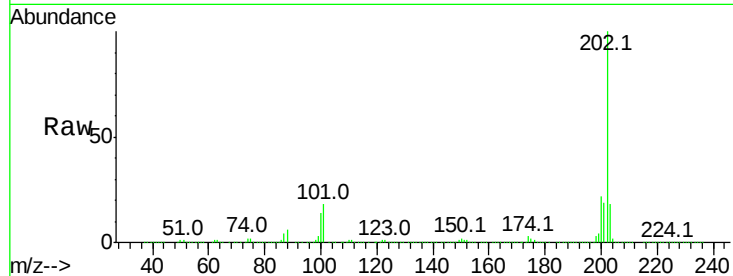
Tot Ion:202 Resp: 1215088

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

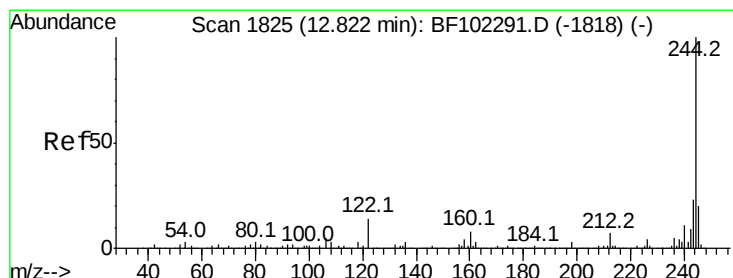
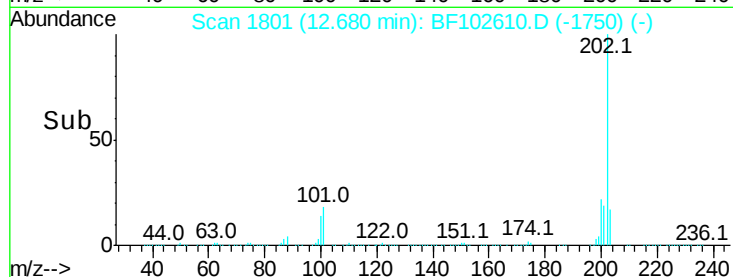
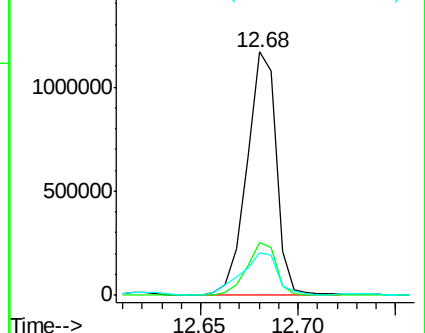
203 17.7 14.3 21.5



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: 66.721 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

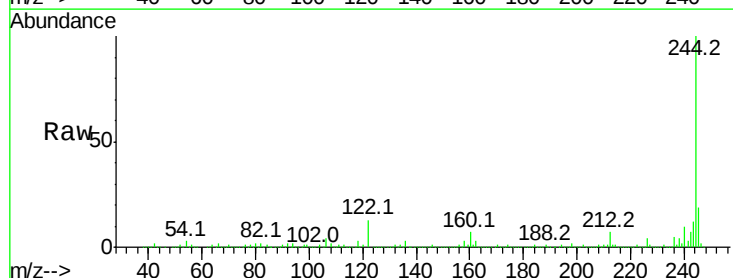
Tgt Ion:244 Resp: 972826

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

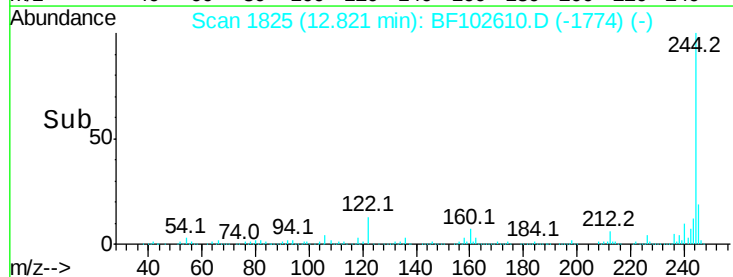
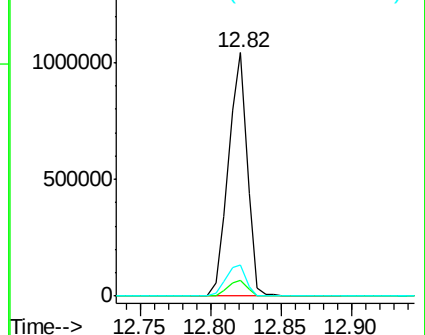
122 13.0 11.0 16.4

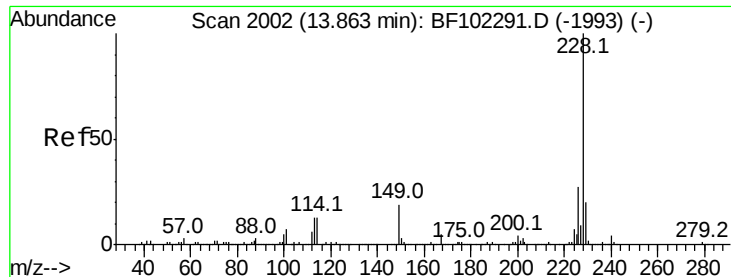


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

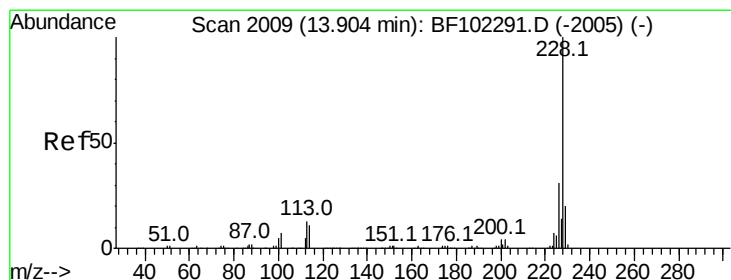
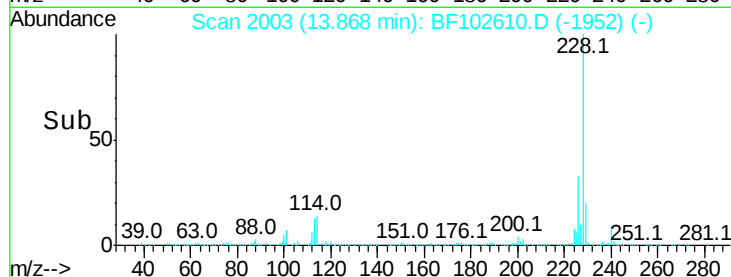
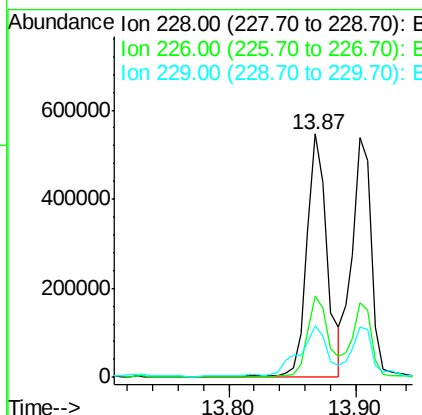
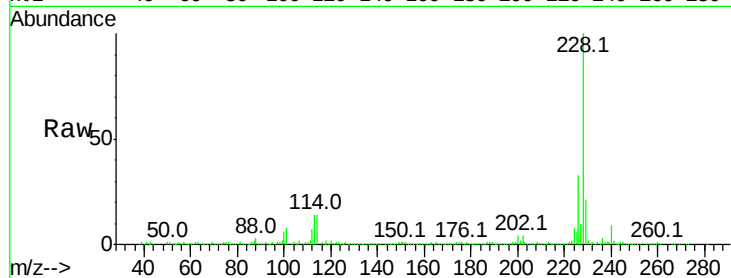




#80
Benzo(a)anthracene
Concen: 29.770 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

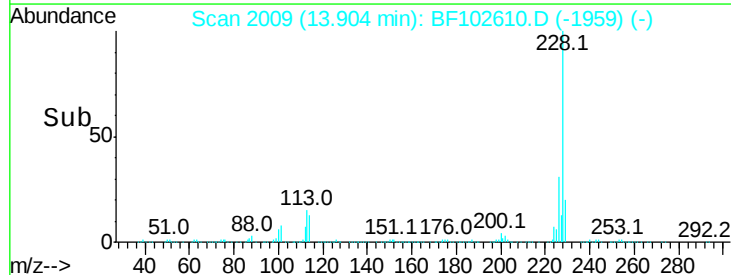
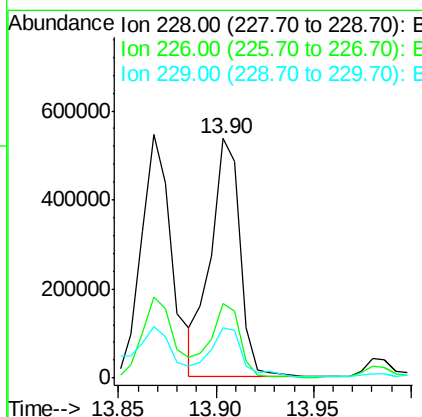
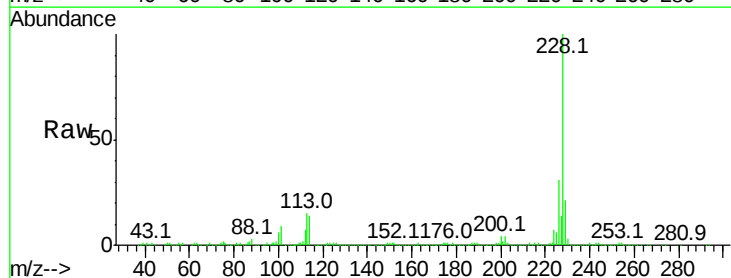
Instrument :
BNA_F
ClientSampleId :

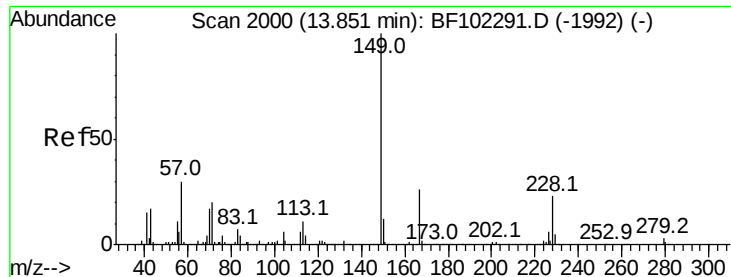
Tot Ion:228 Resp: 602444
Ion Ratio Lower Upper
228 100
226 33.2 22.6 33.8
229 21.2 15.8 23.6



#82
Chrysene
Concen: 27.244 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:228 Resp: 559865
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 21.1 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.877 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

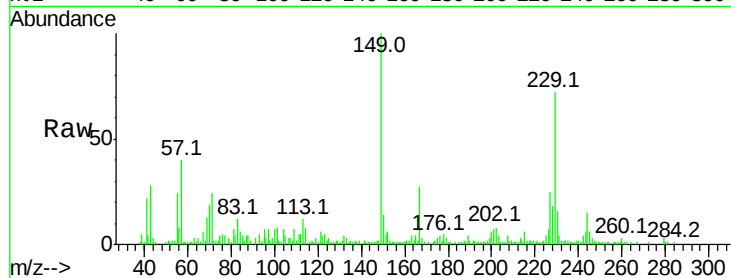
Tot Ion:149 Resp: 48907

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

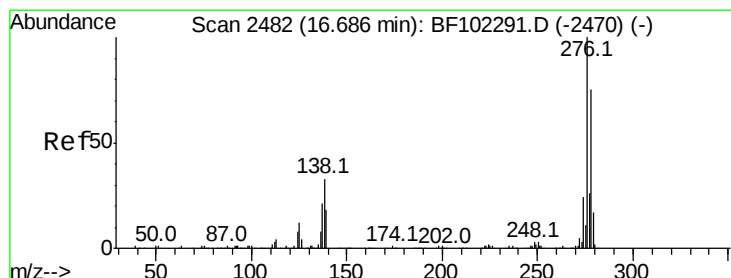
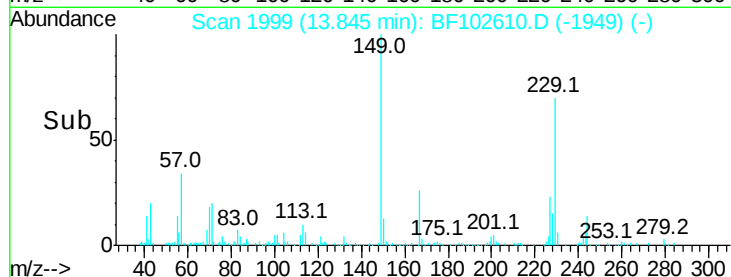
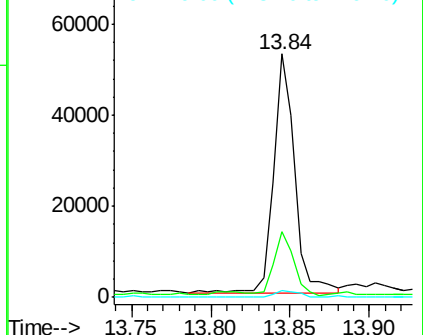
279 3.0 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 21.103 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

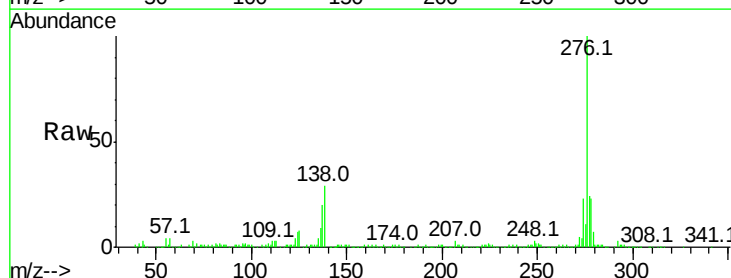
Tgt Ion:276 Resp: 358155

Ion Ratio Lower Upper

276 100

138 28.5 25.0 37.6

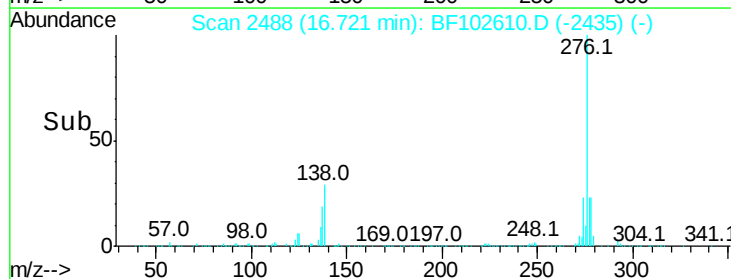
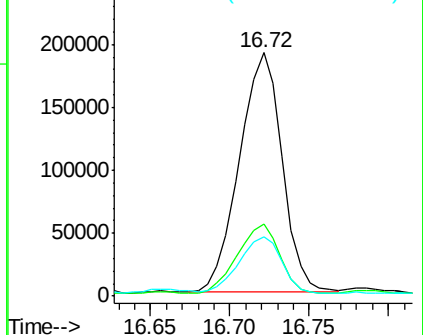
277 23.5 20.1 30.1

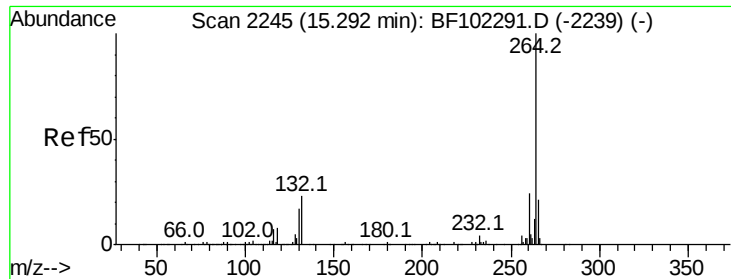


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



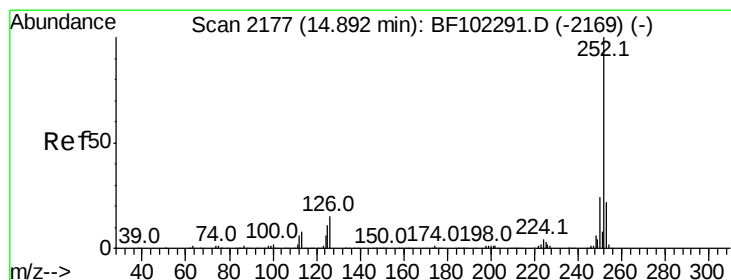
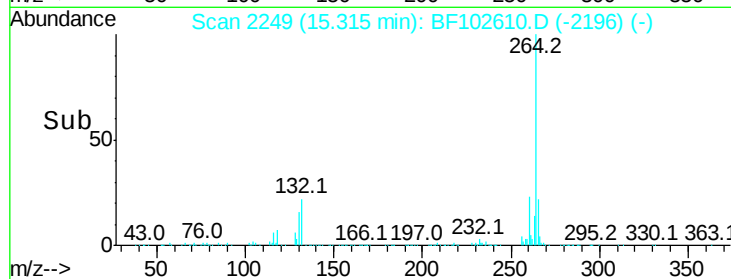
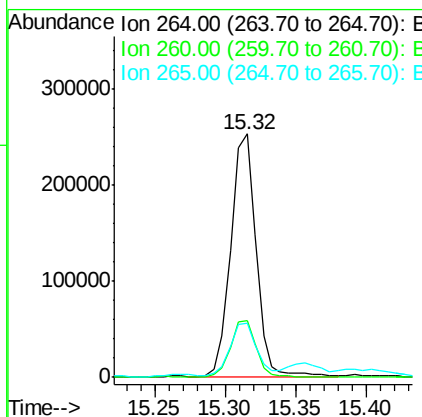
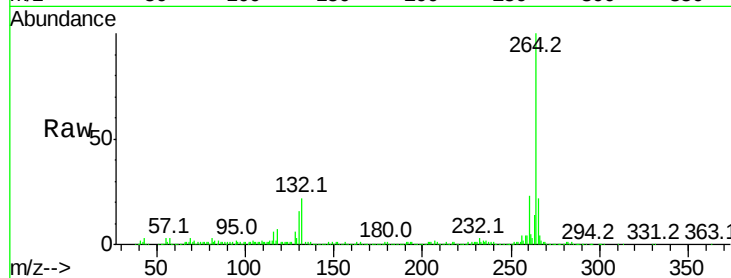


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 316818

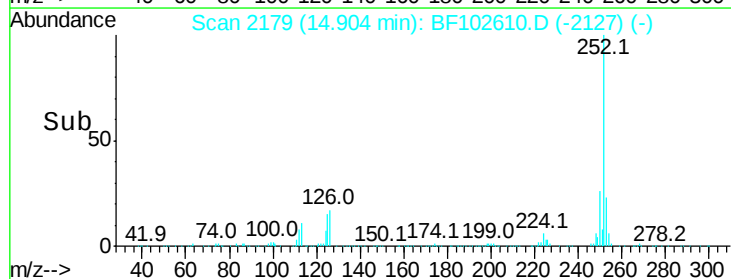
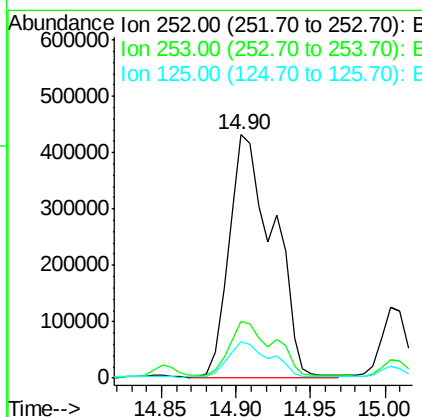
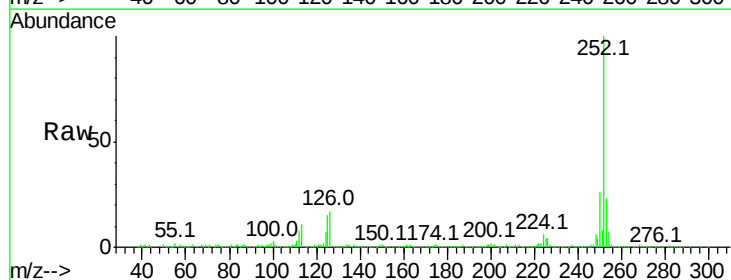
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.3	17.5	26.3

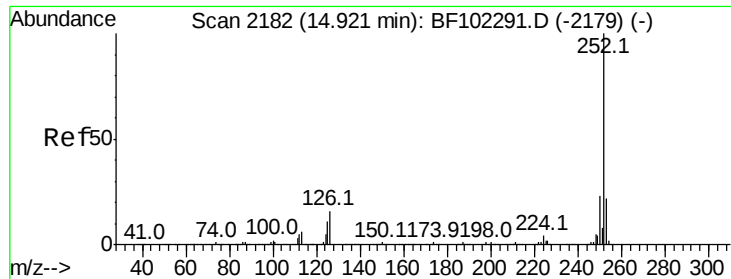


#87
Benzo(b)fluoranthene
Concen: 43.285 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:252 Resp: 888840

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.9	9.0	13.6

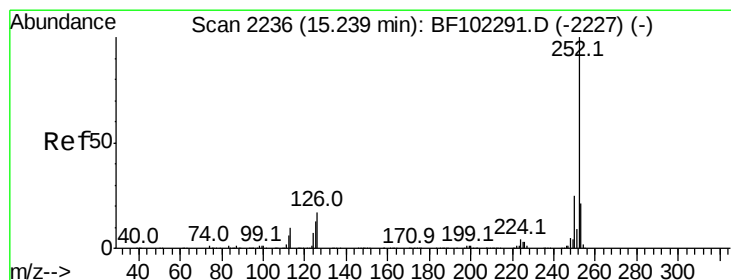
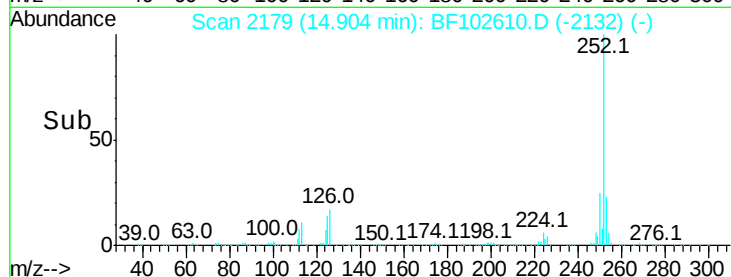
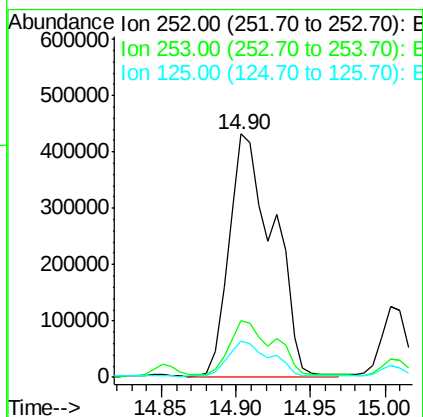
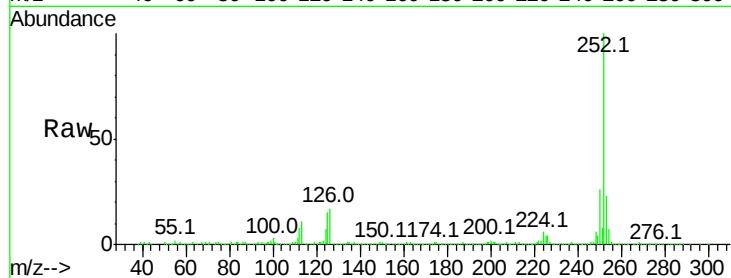




#88
Benzo(k)fluoranthene
Concen: 45.815 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

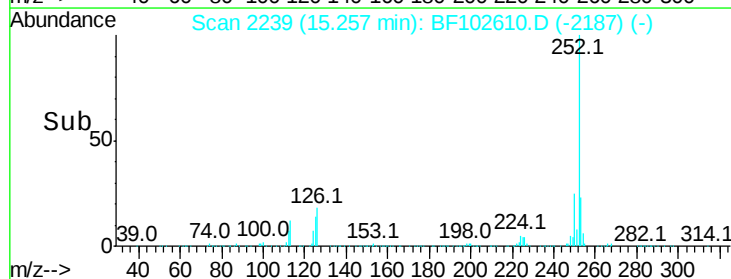
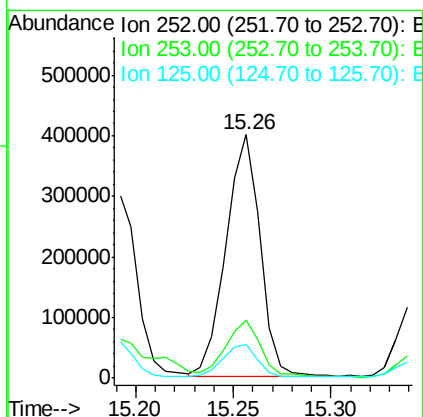
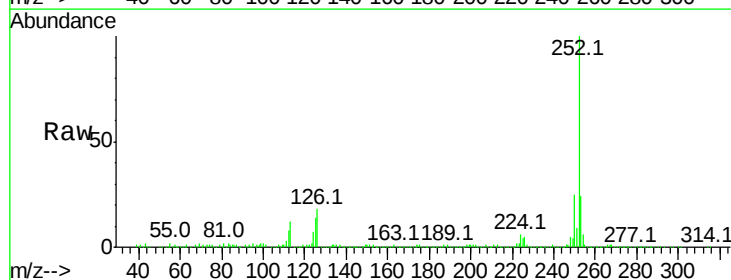
Instrument :
BNA_F
ClientSampleId :

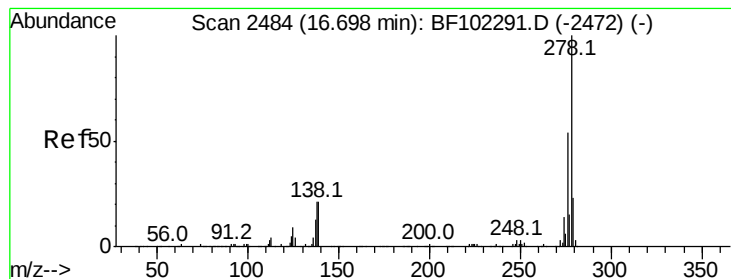
Tot Ion:252 Resp: 888840
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 14.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 26.220 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion:252 Resp: 485599
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 14.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.927 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.16 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

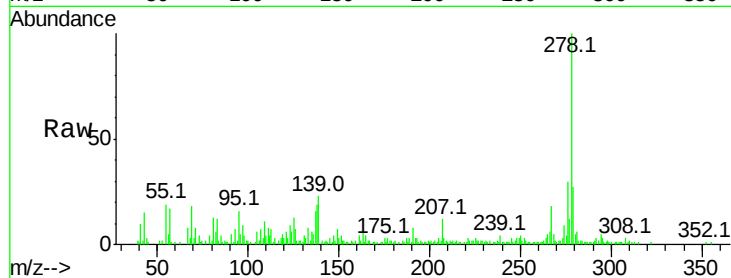
Tot Ion:278 Resp: 73918

Ion	Ratio	Lower	Upper
278	100		
139	23.5	15.9	23.9
279	26.9	19.0	28.4

278 100

139 23.5 15.9 23.9

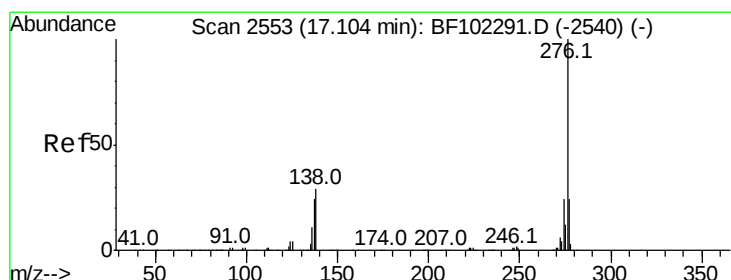
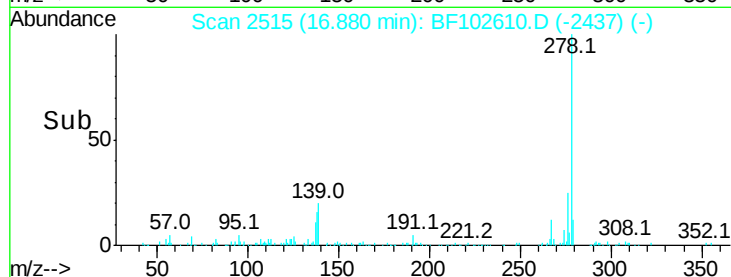
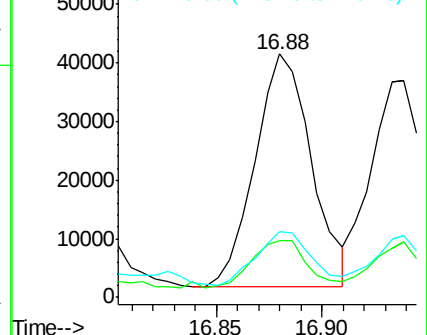
279 26.9 19.0 28.4



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: 25.295 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

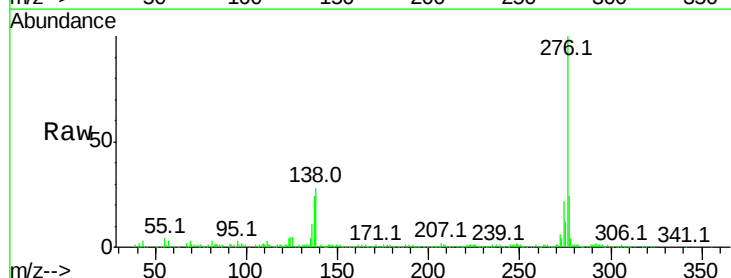
Tgt Ion:276 Resp: 374692

Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	28.3	21.8	32.8

276 100

277 24.5 17.9 26.9

138 28.3 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

