

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104695.D
 Acq On : 21 Apr 2018 1:32
 Operator : JU/SJ
 Sample : J2453-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Quant Time: Apr 21 04:18:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118682	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	455309	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	181720	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	284487	20.00	ng	0.00
75) Chrysene-d12	13.97	240	232108	20.00	ng	0.00
86) Perylene-d12	15.44	264	178988	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	713293	91.90	ng	0.00
7) Phenol-d6	6.45	99	926728	97.17	ng	0.00
23) Nitrobenzene-d5	7.37	82	711690	102.07	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	134556	71.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1025806	89.18	ng	0.00
78) Terphenyl-d14	12.92	244	787699	77.37	ng	0.00

Target Compounds

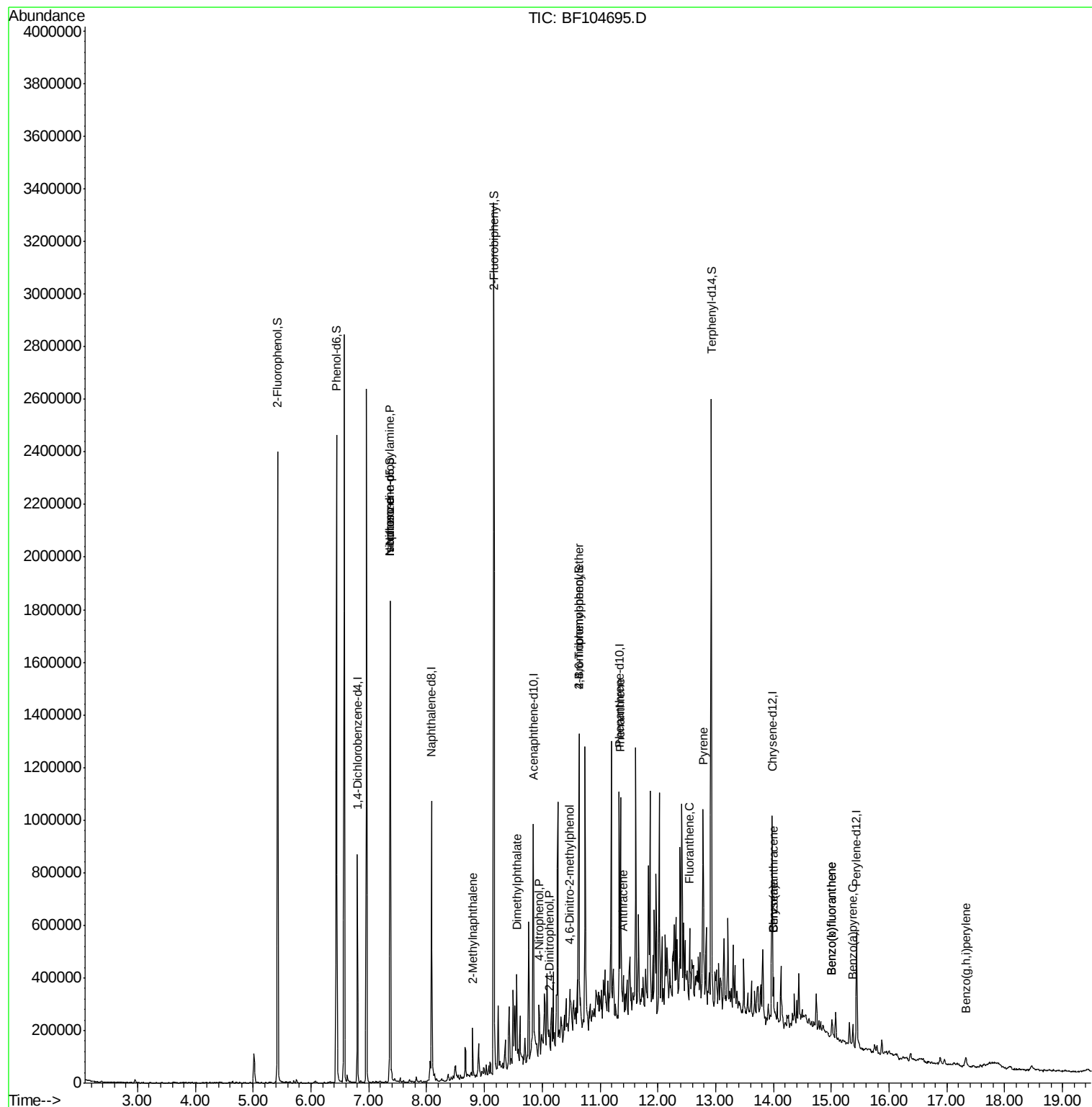
						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	95321	15.296	ng	# 74
25) Isophorone	7.37	82	711790	48.274	ng	# 64
37) 2-Methylnaphthalene	8.80	142	48404	3.301	ng	98
49) Dimethylphthalate	9.56	163	106840	7.456	ng	99
53) 2,4-Dinitrophenol	10.13	184	2650	8.708	ng	# 4
55) 4-Nitrophenol	9.95	139	5711	2.342	ng	# 64
64) 4,6-Dinitro-2-methylphenol	10.48	198	418	7.603	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8078	2.670	ng	# 1
70) Phenanthrene	11.36	178	272838	17.221	ng	98
71) Anthracene	11.40	178	42062	2.612	ng	98
74) Fluoranthene	12.55	202	74107	4.477	ng	94
76) Benzidine	12.65	184	2085	Below Cal		# 1
77) Pvrene	12.78	202	223739	13.005	ng	99
80) Benzo(a)anthracene	14.00	228	75248	5.427	ng	94
82) Chrysene	14.00	228	75248	5.283	ng	96
87) Benzo(b)fluoranthene	15.02	252	44217	3.911	ng	# 87
88) Benzo(k)fluoranthene	15.02	252	44217	4.143	ng	# 90
89) Benzo(a)pyrene	15.37	252	33434	3.305	ng	# 90
91) Benzo(a,h,i)perylene	17.33	276	26280	3.265	ng	95

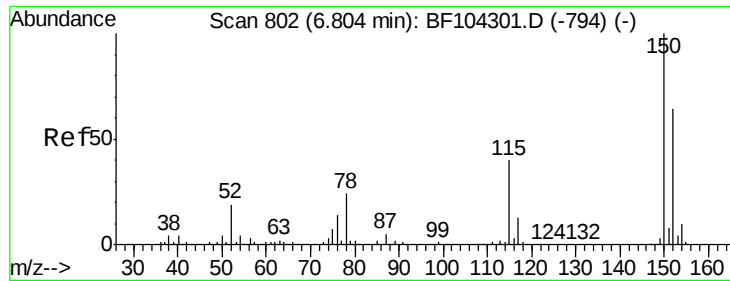
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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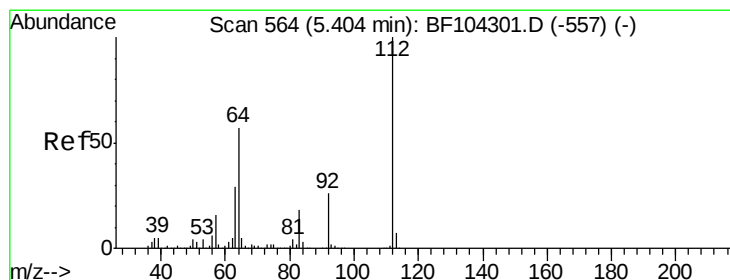
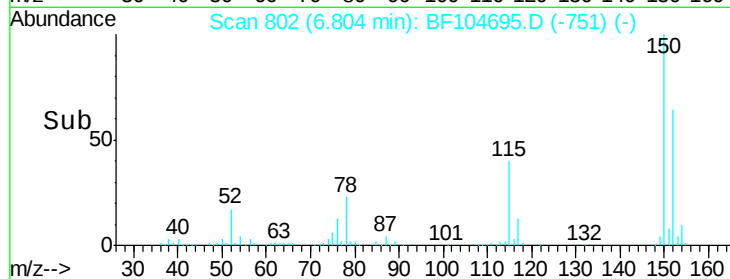
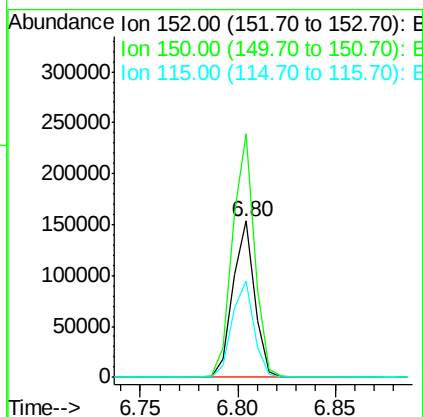
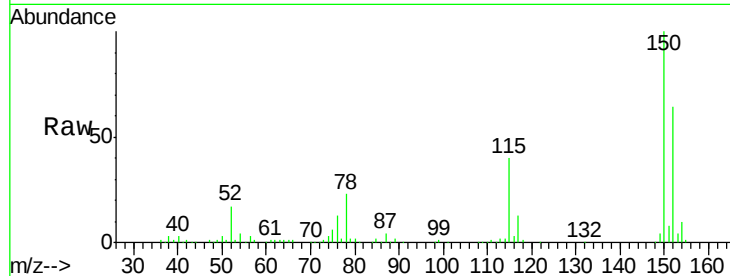


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

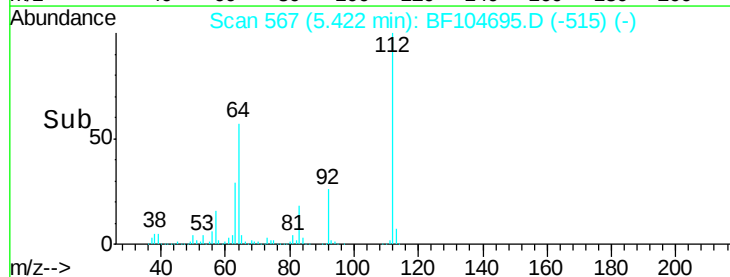
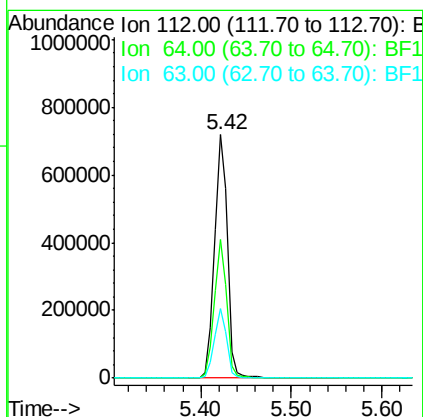
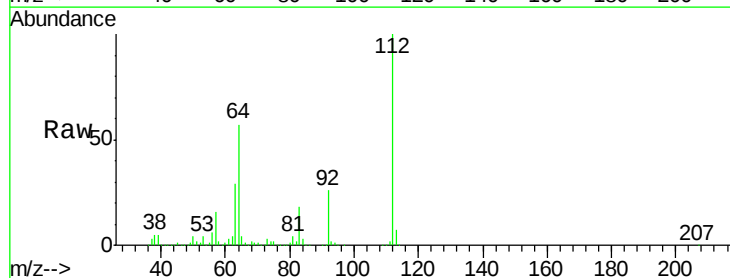
Tot Ion:152 Resp: 118682
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.6 186.8
 115 61.9 50.1 75.1

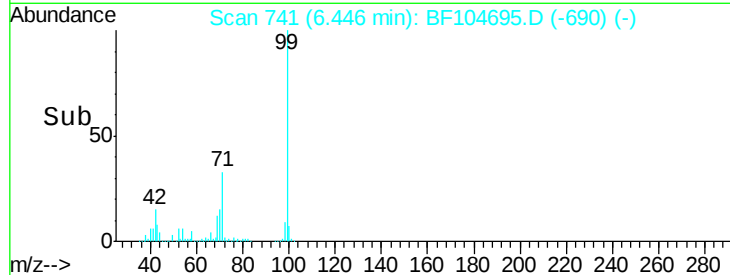
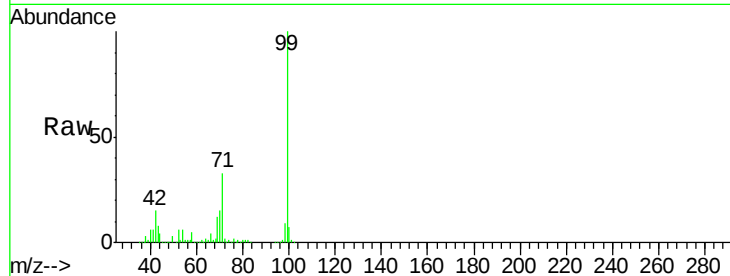


#5

2-Fluorophenol
 Concen: 91.898 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion:112 Resp: 713293
 Ion Ratio Lower Upper
 112 100
 64 56.7 47.9 71.9
 63 28.5 23.7 35.5





#7

Phenol-d6

Concen: 97.175 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

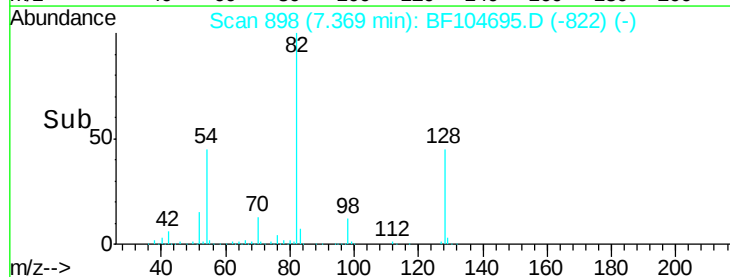
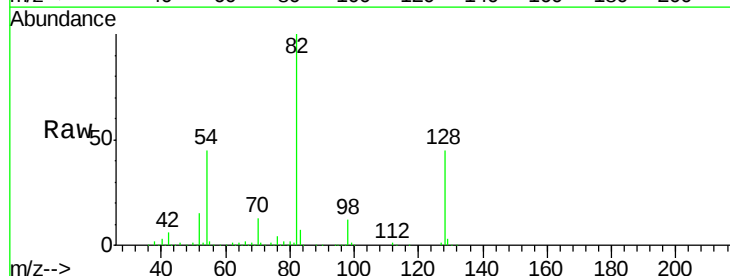
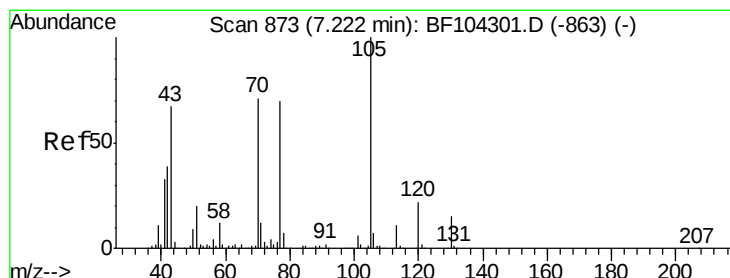
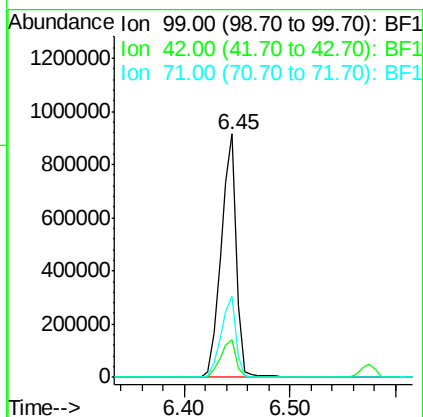
Tot Ion: 99 Resp: 926728

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.296 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Tgt Ion: 70 Resp: 95321

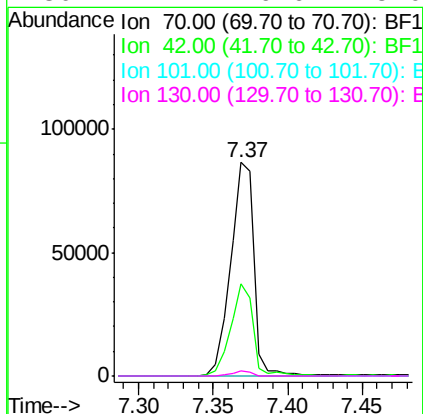
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

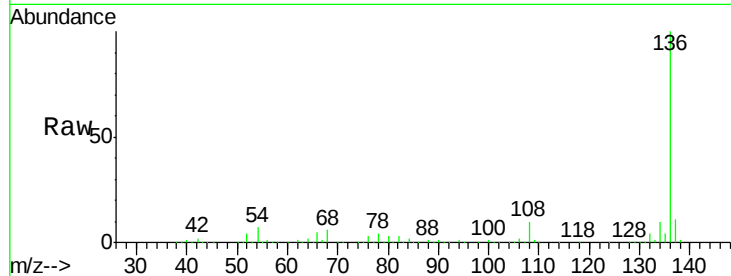




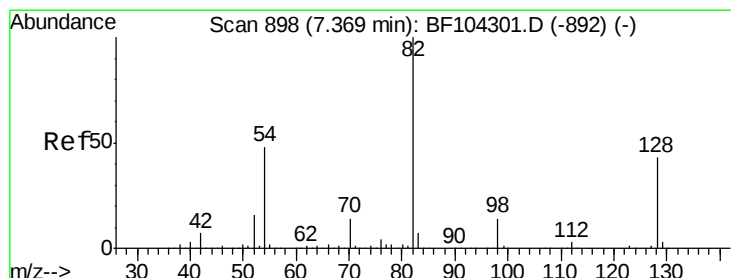
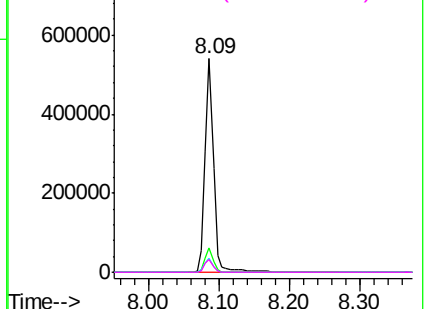
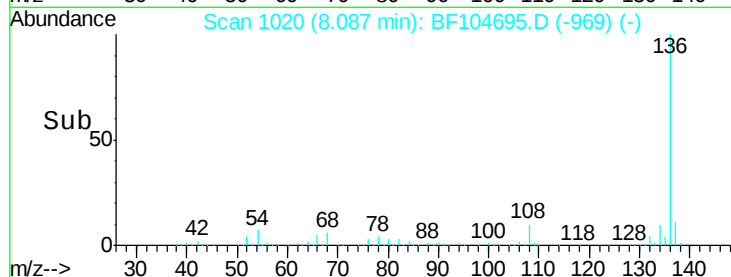
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion:136	Resp:	455309
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	6.6	6.6 9.8
68	6.3	5.0 7.4

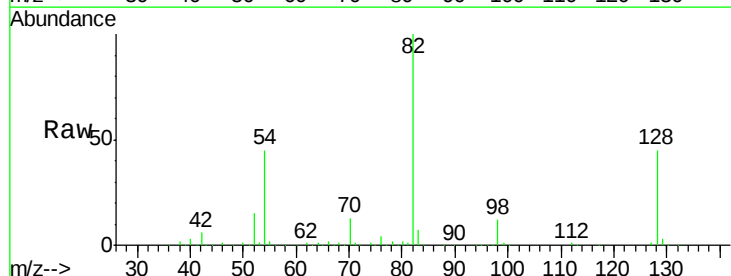


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

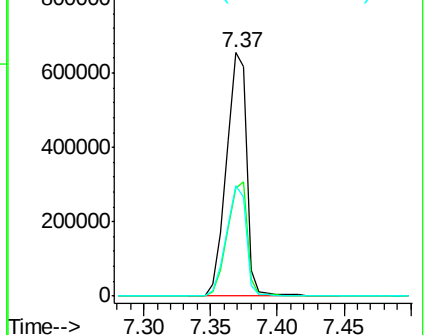
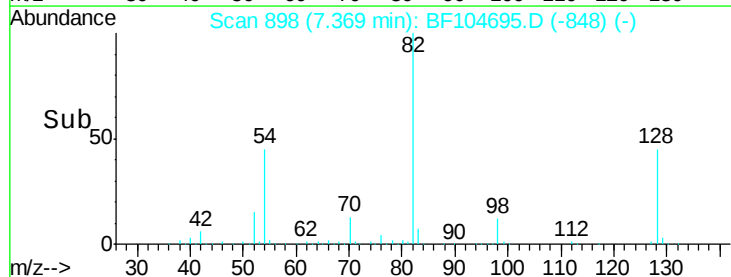


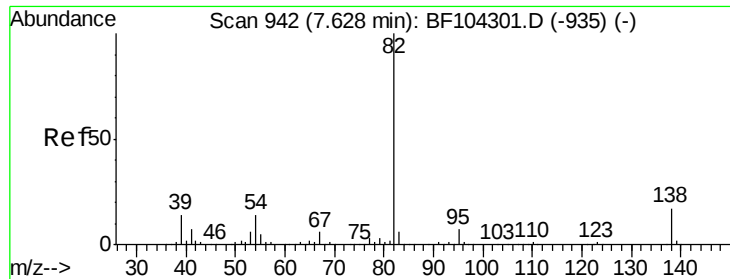
#23
Nitrobenzene-d5
Concen: 102.067 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion: 82	Resp:	711690
Ion Ratio	Lower	Upper
82	100	
128	44.6	36.1 54.1
54	45.4	41.4 62.2



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





#25

Isophorone

Concen: 48.274 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

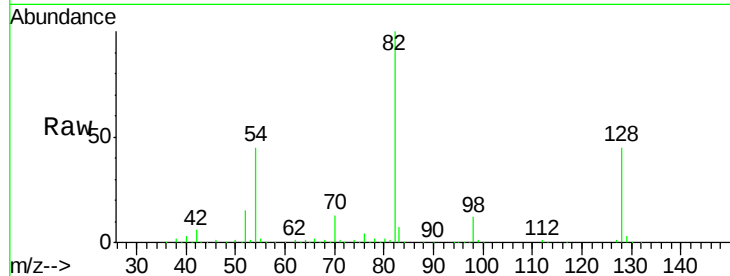
Tot Ion: 82 Resp: 711790

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

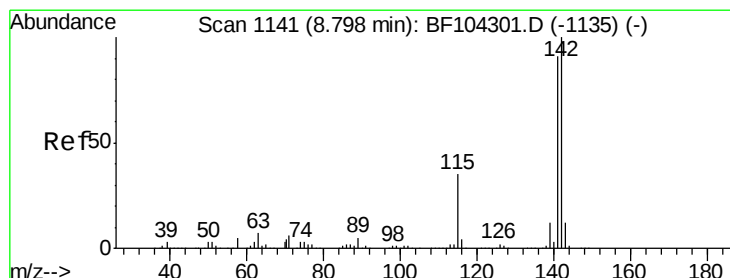
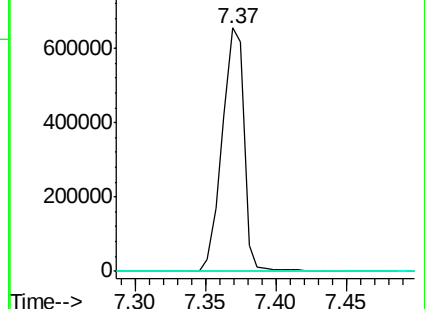
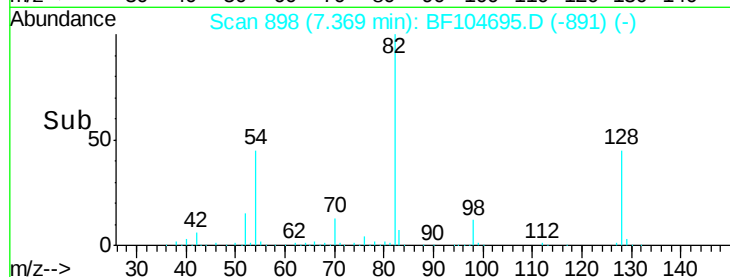
138 0.0 14.9 22.3#



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



#37

2-Methylnaphthalene

Concen: 3.301 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

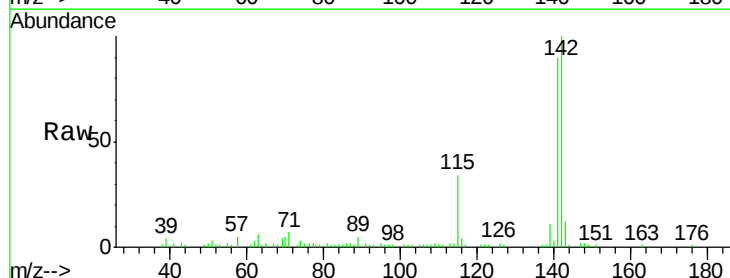
Tgt Ion: 142 Resp: 48404

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

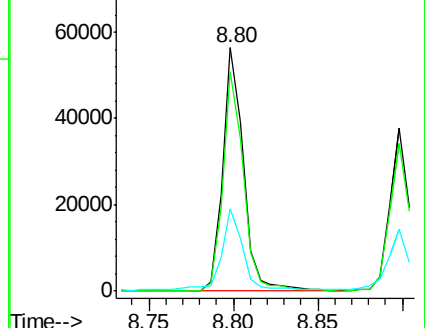
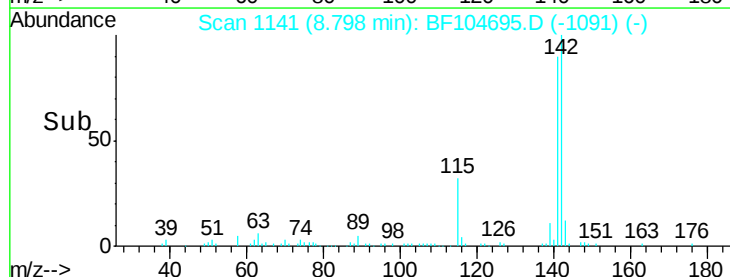
115 33.6 26.1 39.1

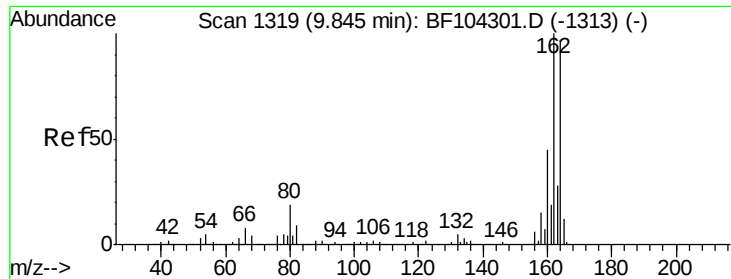


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

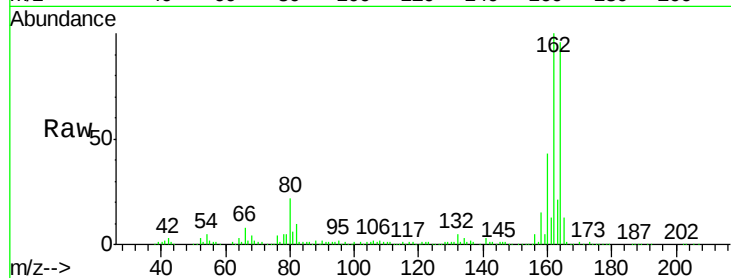




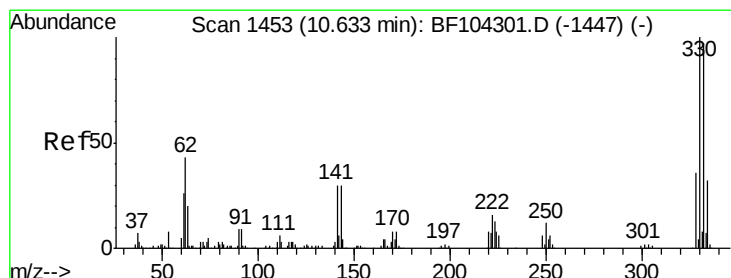
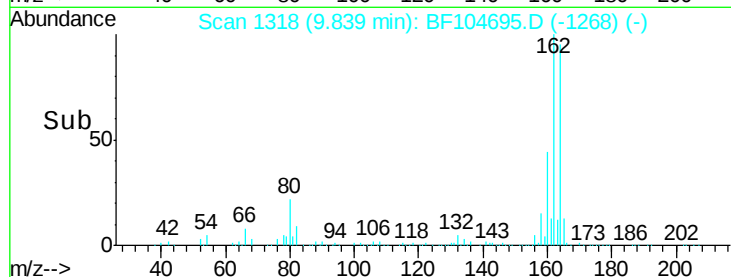
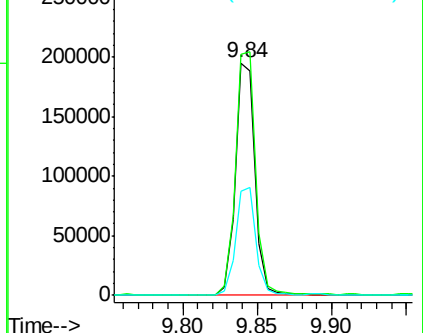
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampled :
 T-13 0.5-1.0

Tot Ion:164 Resp: 181720
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 45.0 38.3 57.5

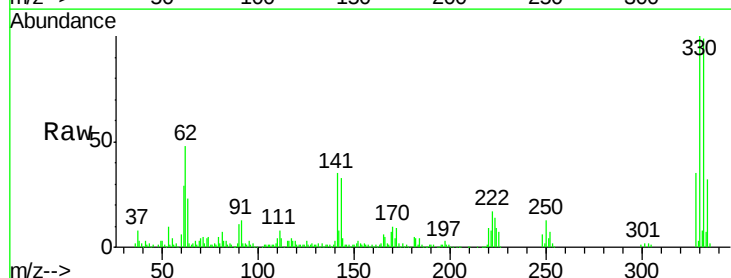


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

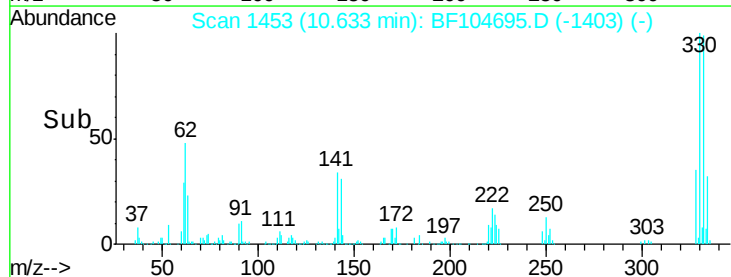
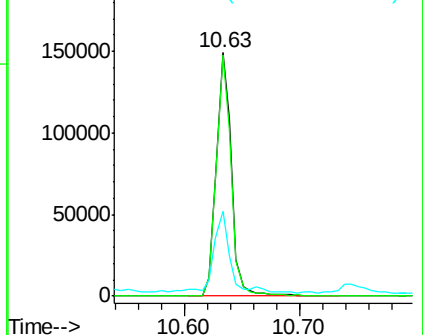


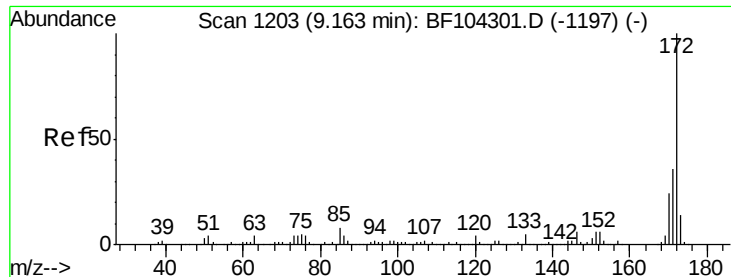
#41
 2,4,6-Tribromophenol
 Concen: 71.381 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion:330 Resp: 134556
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 37.9 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

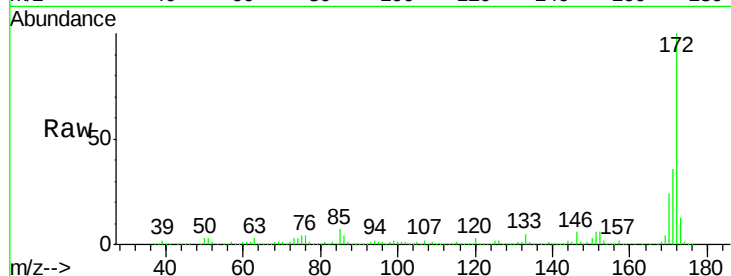




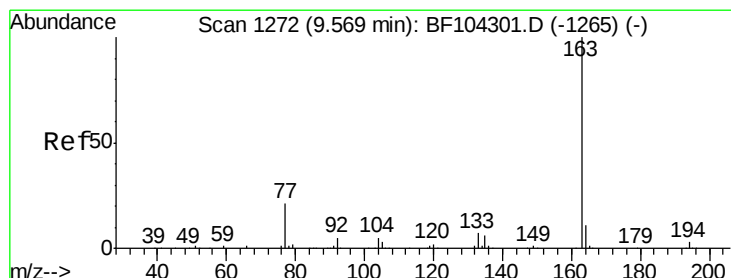
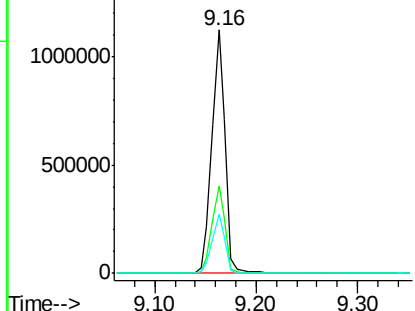
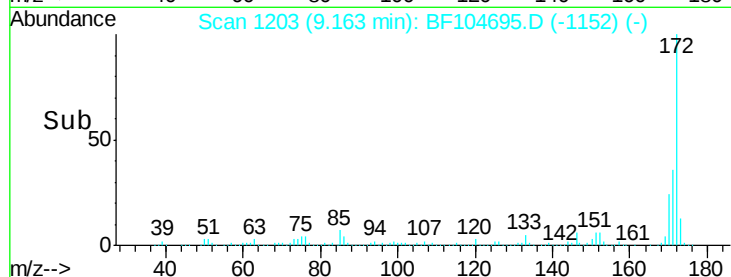
#44
2-Fluorobiphenyl
Concen: 89.177 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

Tot Ion:172 Resp: 1025806
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.1 19.6 29.4

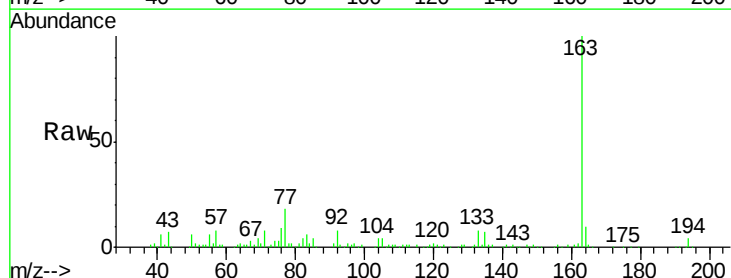


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

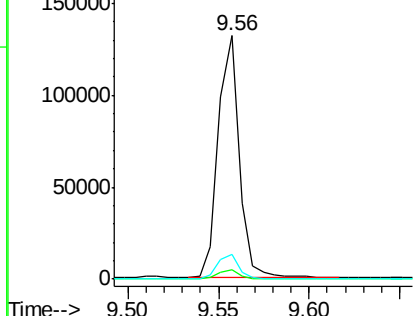
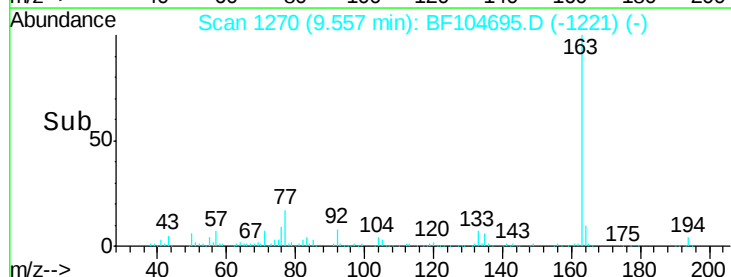


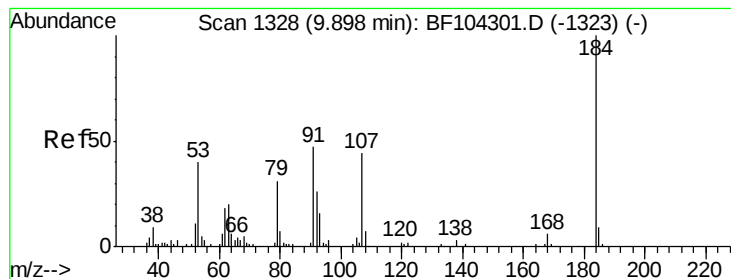
#49
Dimethylphthalate
Concen: 7.456 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion:163 Resp: 106840
Ion Ratio Lower Upper
163 100
194 3.8 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





#53

2,4-Dinitrophenol

Concen: 8.708 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.22 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

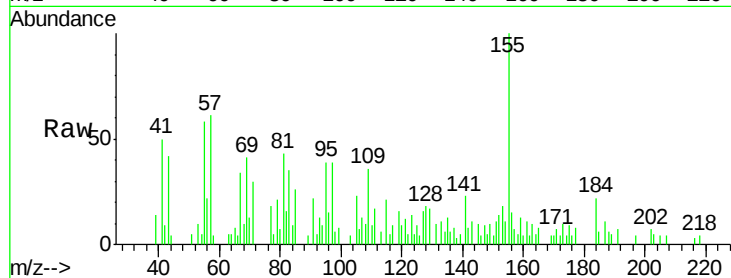
Tot Ion:184 Resp: 2650

Ion Ratio Lower Upper

184 100

63 23.9 54.2 81.2#

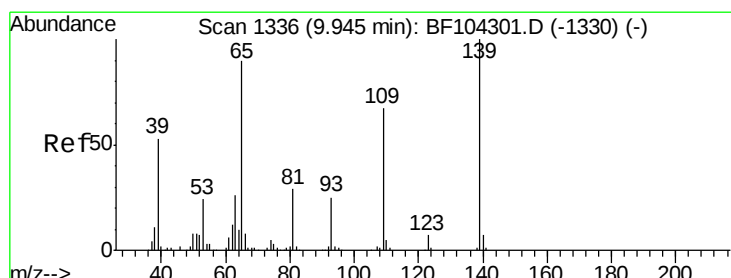
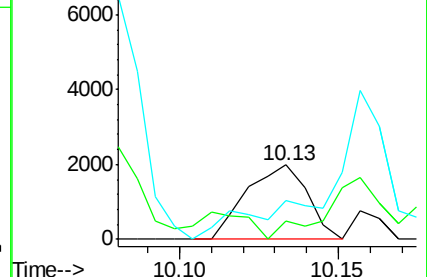
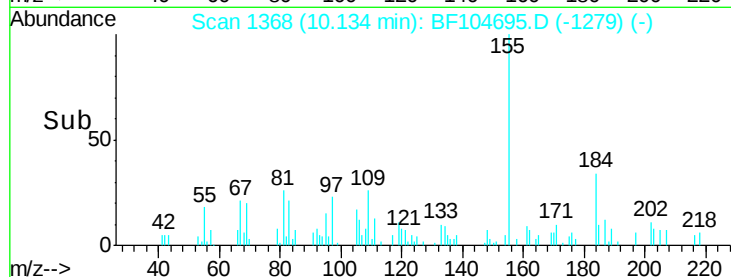
154 51.7 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 2.342 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

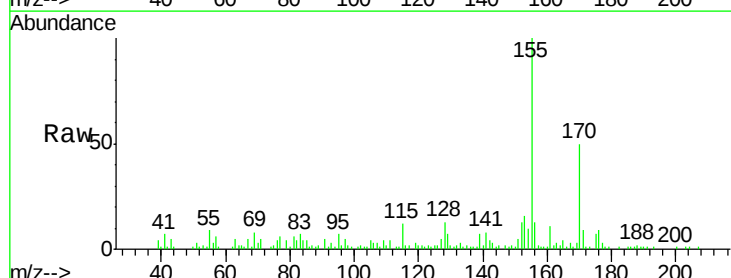
Tgt Ion:139 Resp: 5711

Ion Ratio Lower Upper

139 100

109 64.1 48.4 88.4

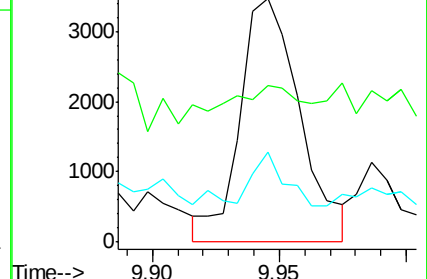
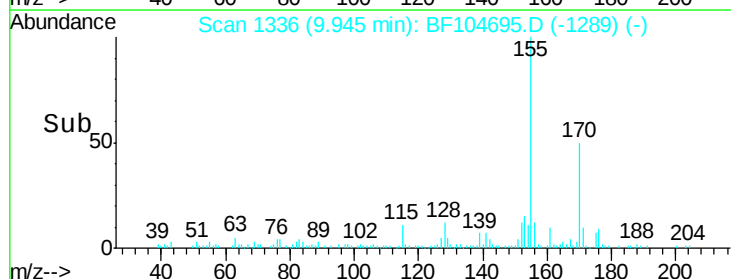
65 37.0 72.6 112.6#

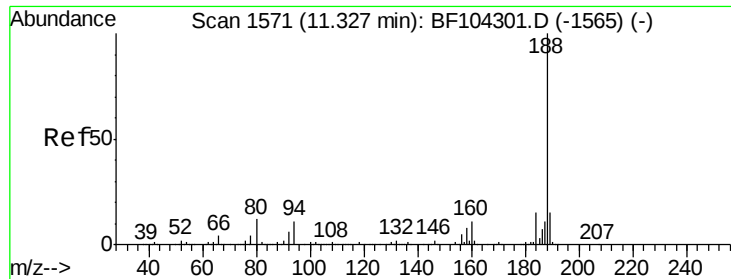


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

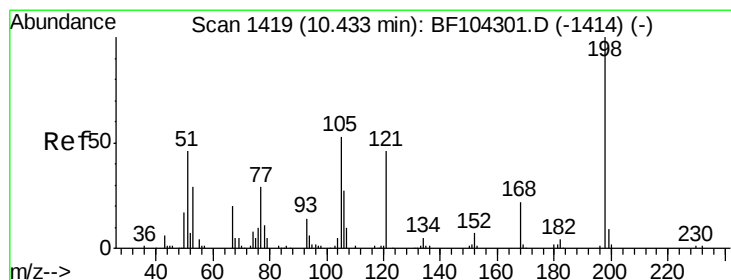
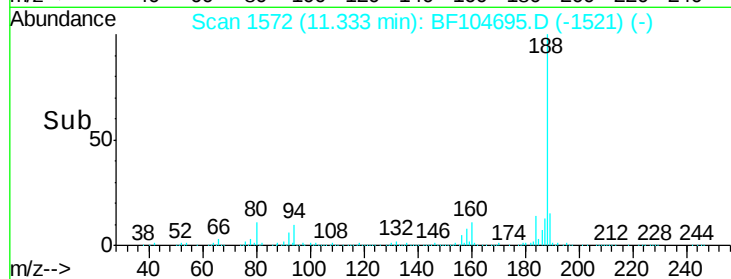
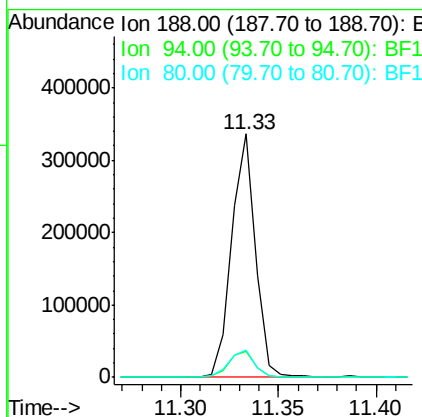
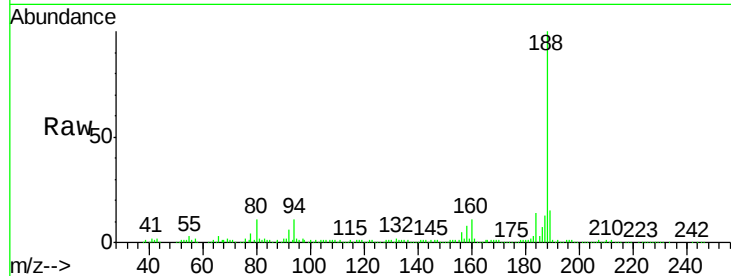




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

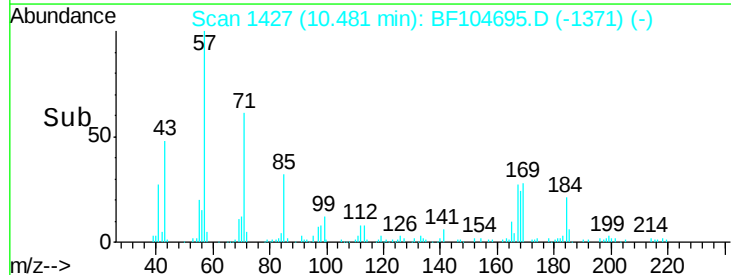
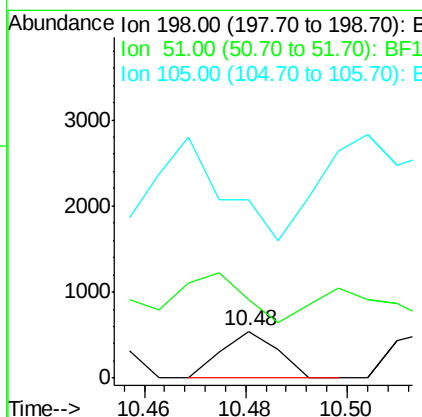
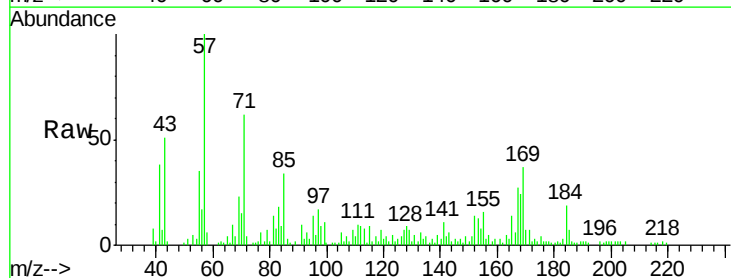
Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

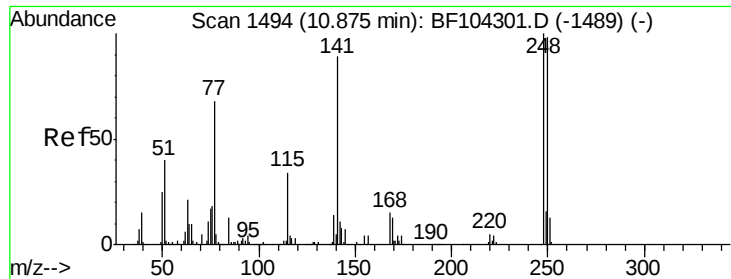
Tot Ion:188 Resp: 284487
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.603 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.03 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion:198 Resp: 418
Ion Ratio Lower Upper
198 100
51 166.9 37.7 77.7#
105 379.4 36.3 76.3#

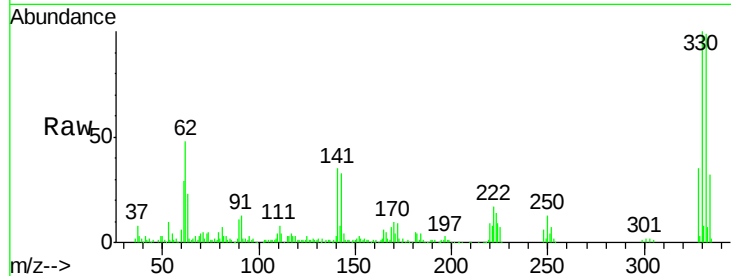




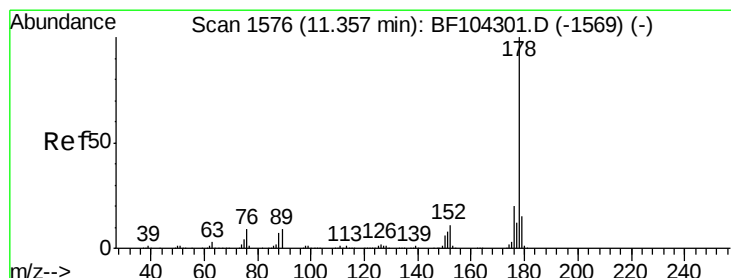
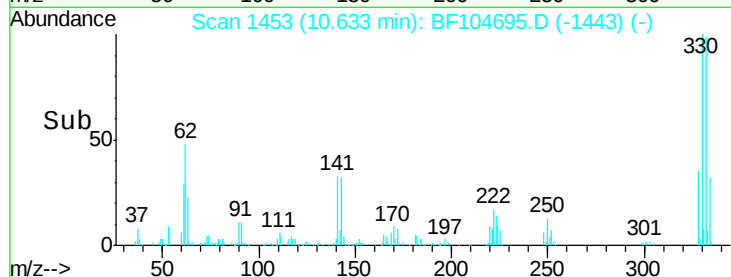
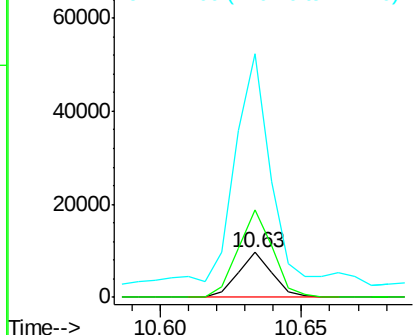
#66
 4-Bromophenyl-phenylether
 Concen: 2.670 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Tot Ion:248 Resp: 8078
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.9 115.3#
 141 541.7 74.4 111.6#

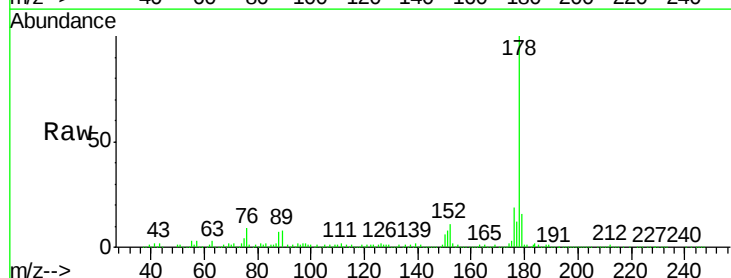


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

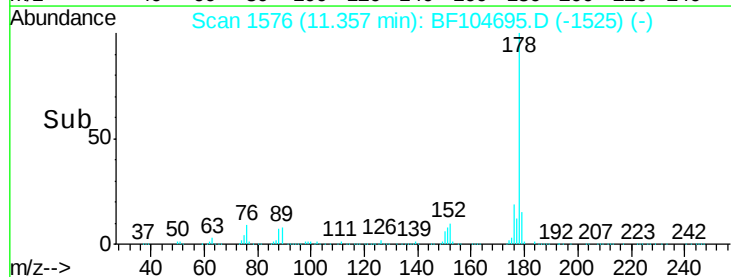
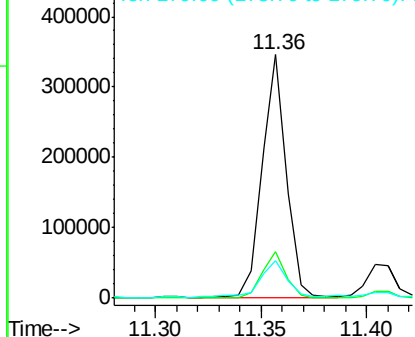


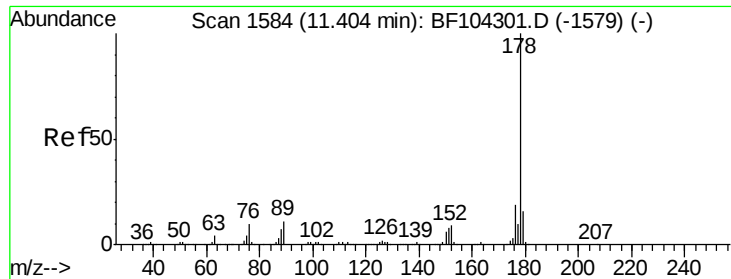
#70
 Phenanthrene
 Concen: 17.221 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion:178 Resp: 272838
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.7 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

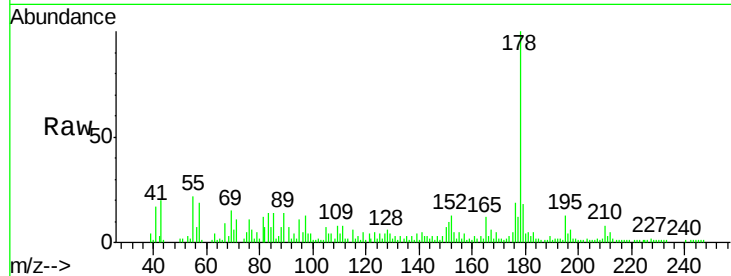




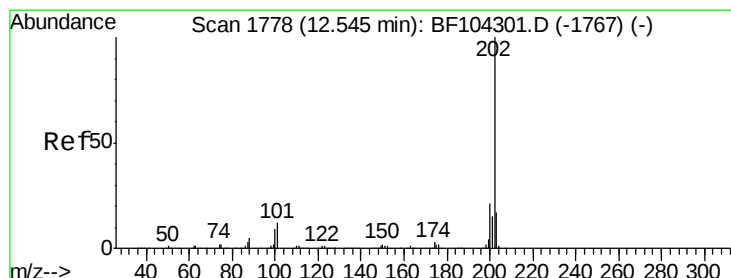
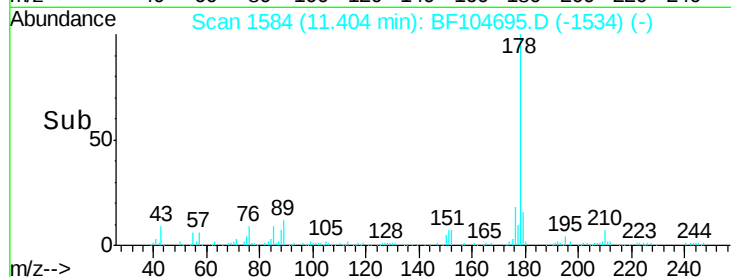
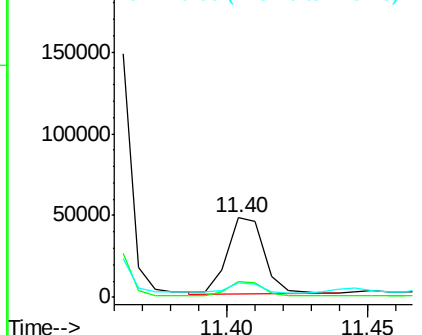
#71
 Anthracene
 Concen: 2.612 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 T-13 0.5-1.0

Tot Ion:178 Resp: 42062
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 17.9 12.6 19.0

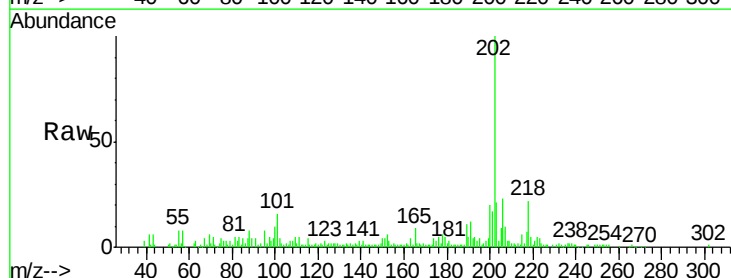


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

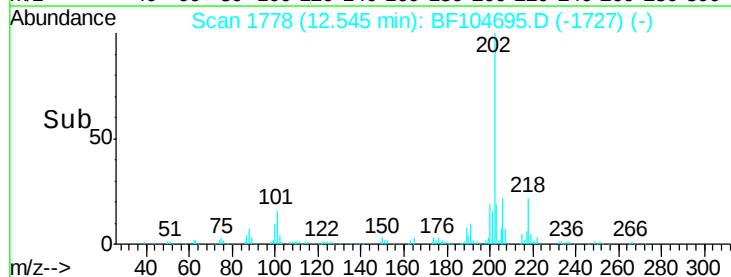
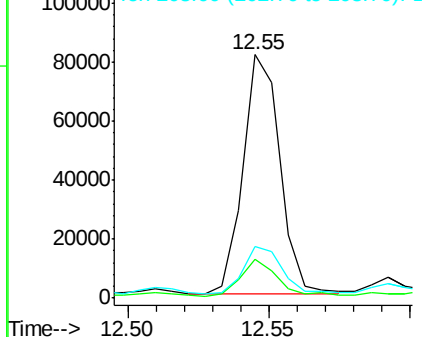


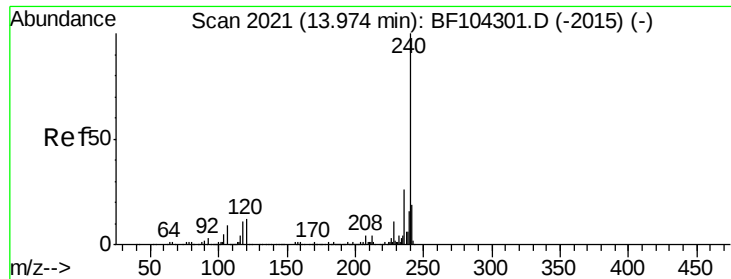
#74
 Fluoranthene
 Concen: 4.477 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF104695.D
 Acq: 21 Apr 2018 1:32

Tgt Ion:202 Resp: 74107
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 34.1
 203 21.2 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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

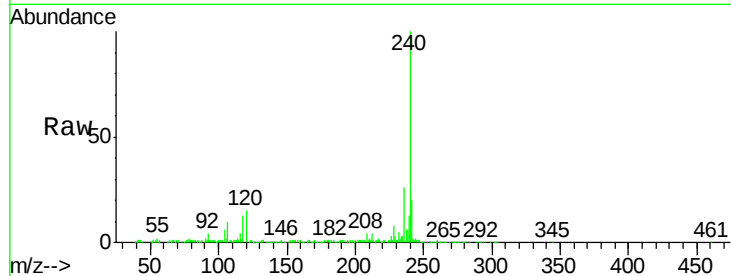
Tot Ion:240 Resp: 232108

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

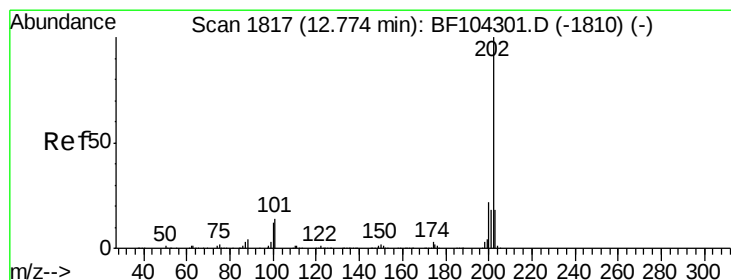
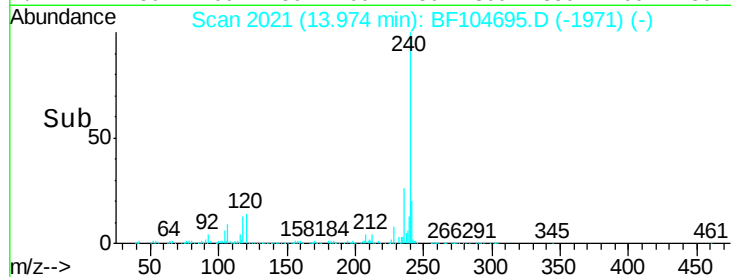
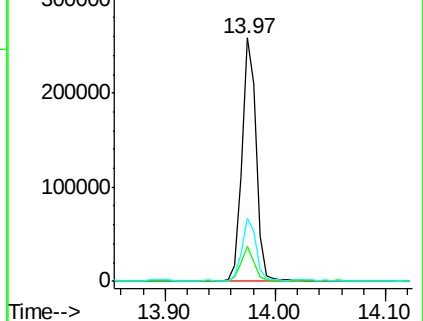
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.005 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

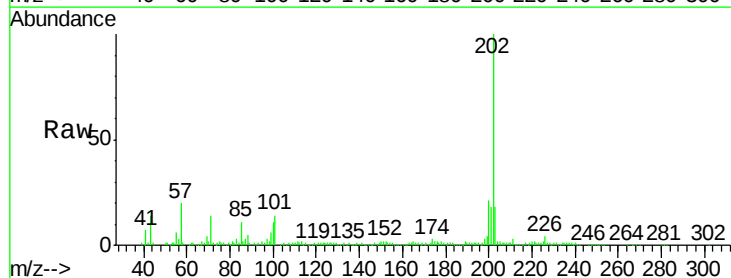
Tgt Ion:202 Resp: 223739

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

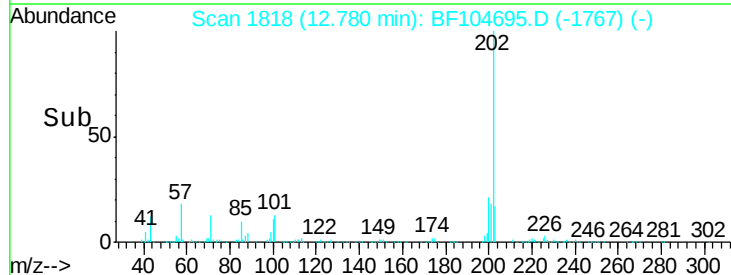
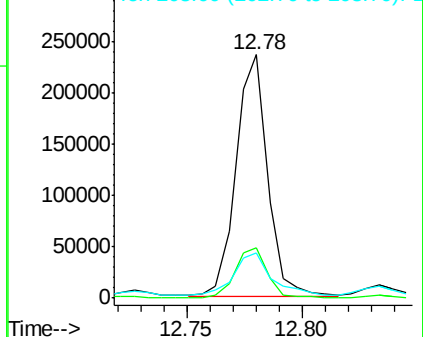
203 18.4 14.3 21.5

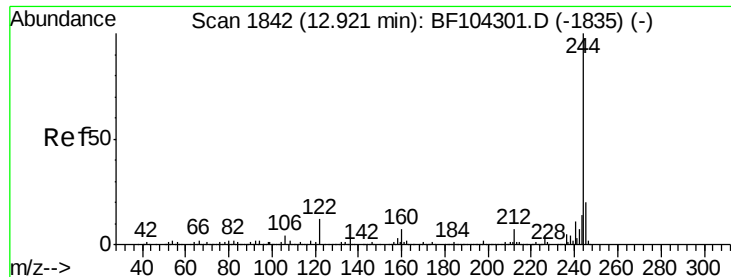


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.370 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

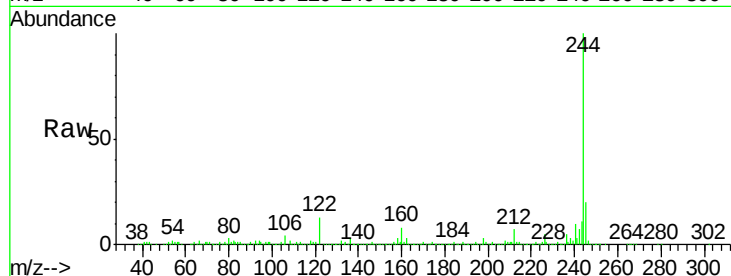
Tot Ion:244 Resp: 787699

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

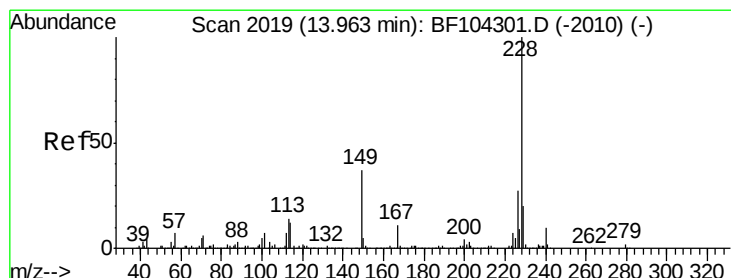
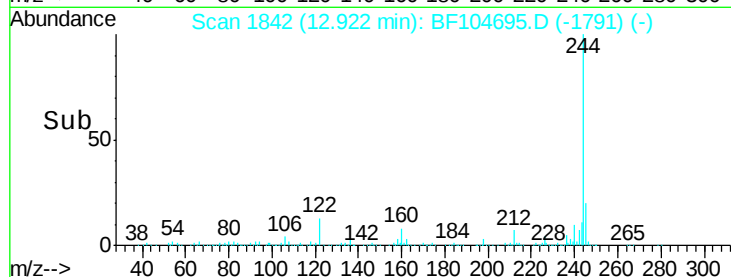
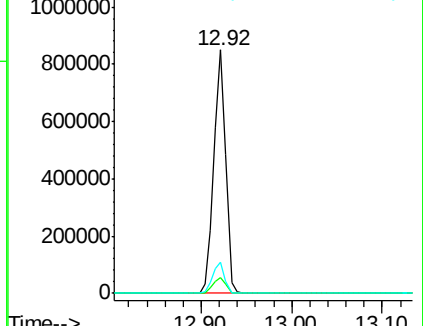
122 12.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.427 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.04 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

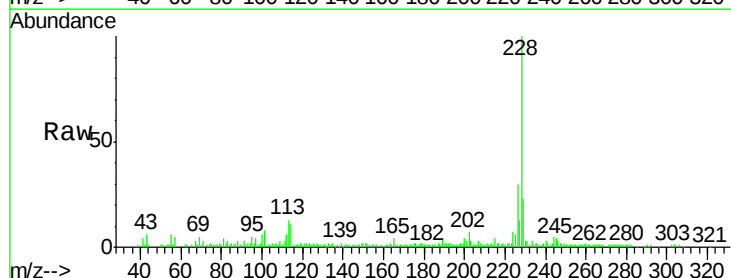
Tgt Ion:228 Resp: 75248

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

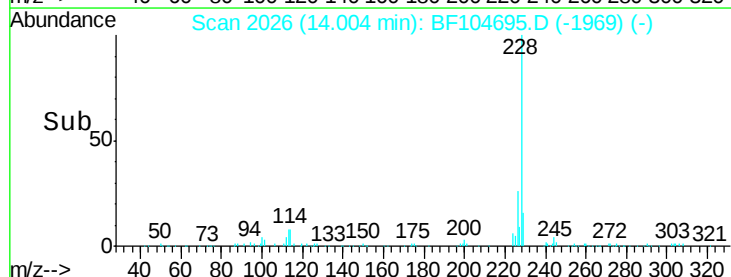
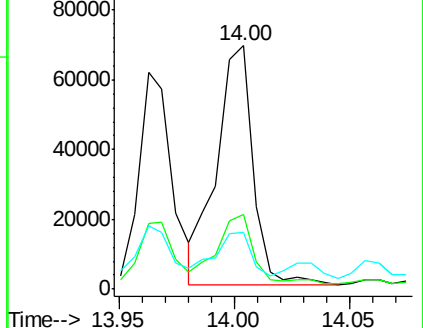
229 23.5 15.8 23.6

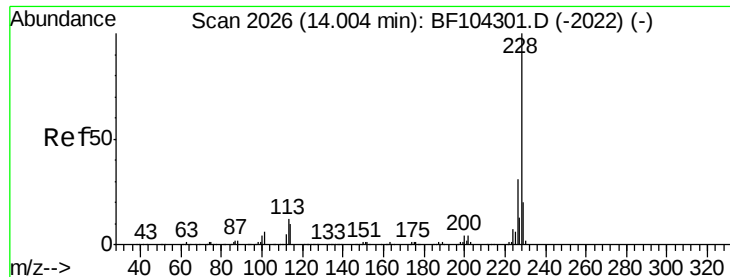


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

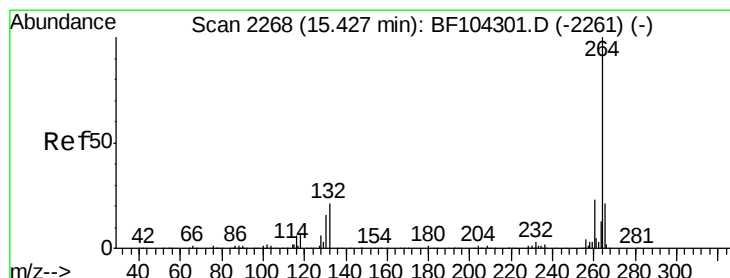
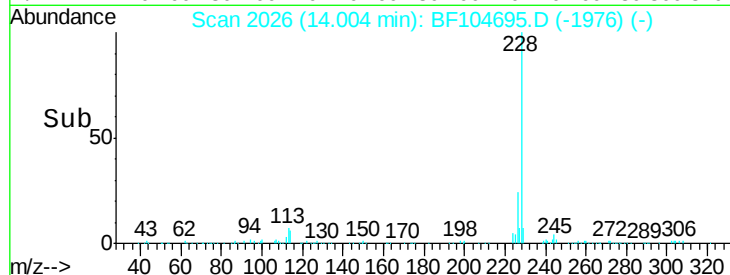
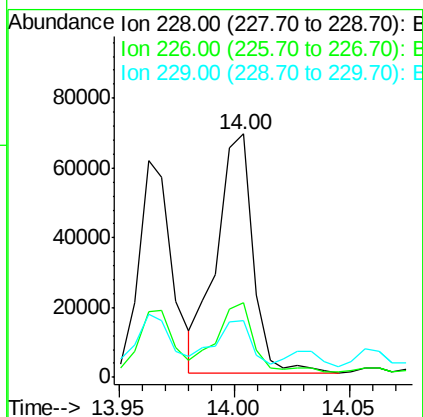
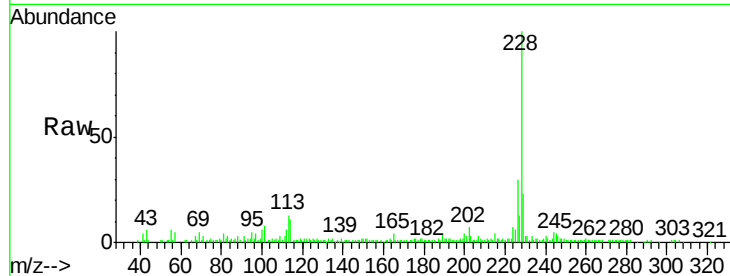




#82
Chrysene
Concen: 5.283 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

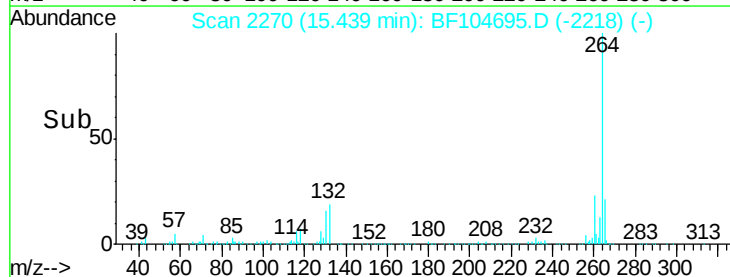
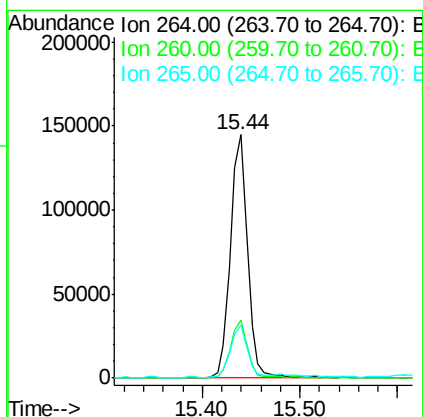
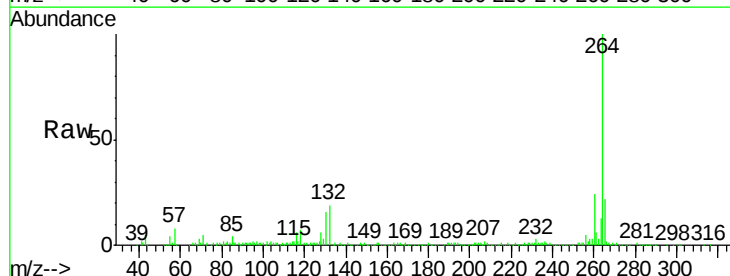
Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

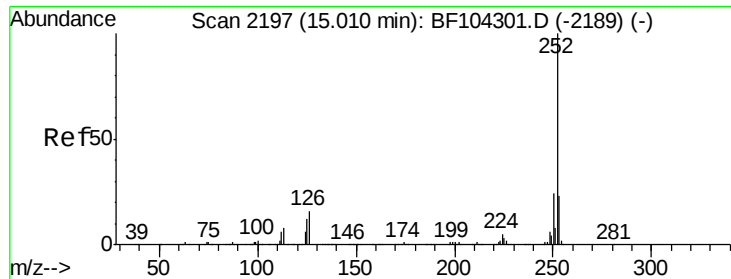
Tot Ion:228 Resp: 75248
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion:264 Resp: 178988
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.6 17.5 26.3

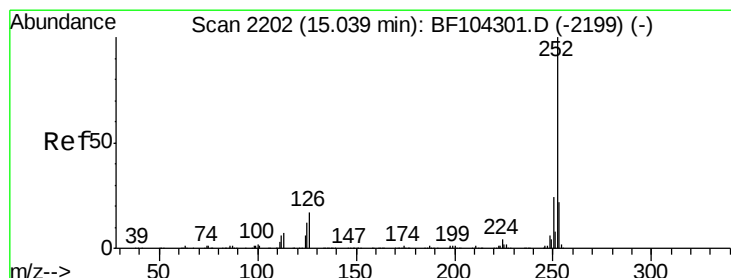
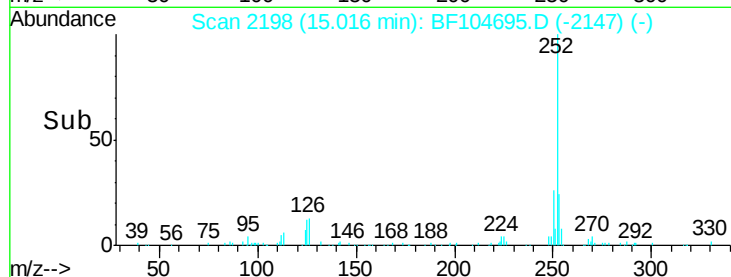
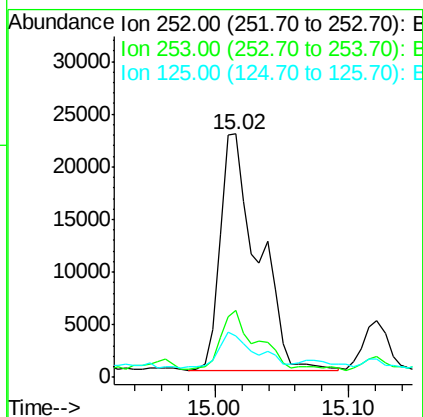
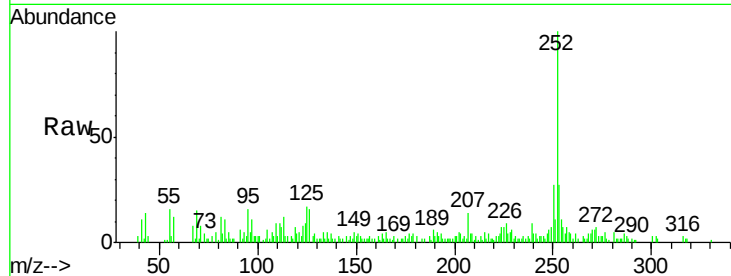




#87
Benzo(b)fluoranthene
Concen: 3.911 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

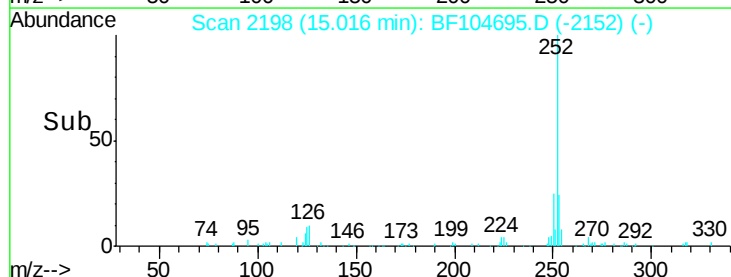
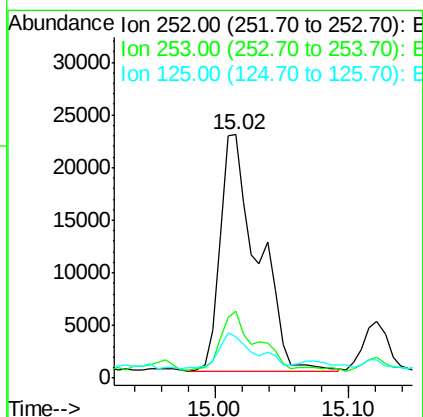
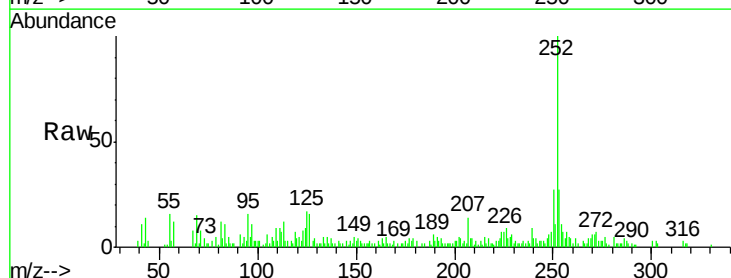
Instrument :
BNA_F
ClientSampleId :
T-13 0.5-1.0

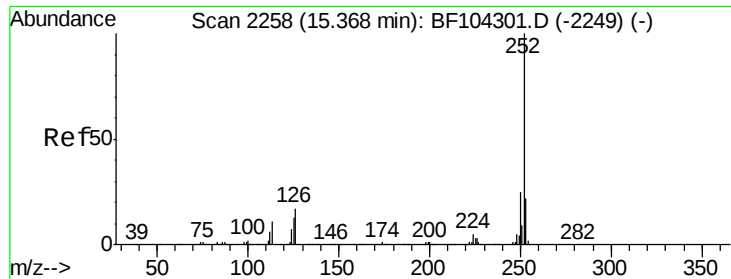
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.0	25.6#
125	16.9	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.143 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF104695.D
Acq: 21 Apr 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.9	26.9#
125	16.9	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.305 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

Instrument :

BNA_F

ClientSampleId :

T-13 0.5-1.0

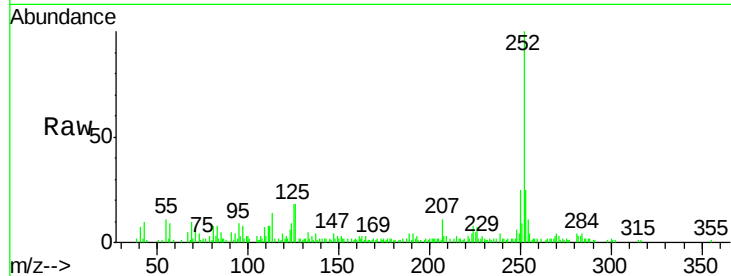
Tot Ion:252 Resp: 33434

Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

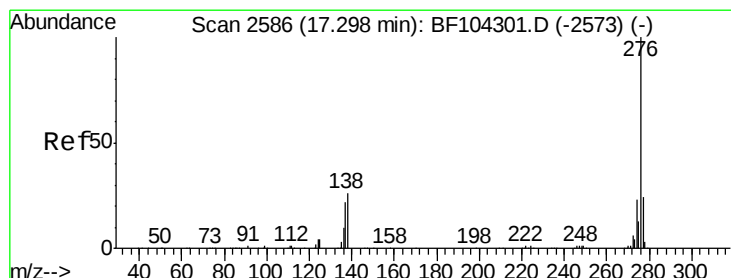
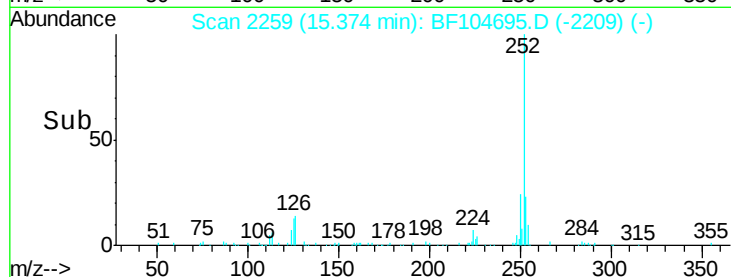
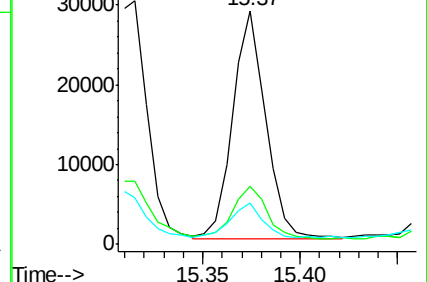
125 17.7 9.8 14.6#



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: 3.265 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.01 min

Lab File: BF104695.D

Acq: 21 Apr 2018 1:32

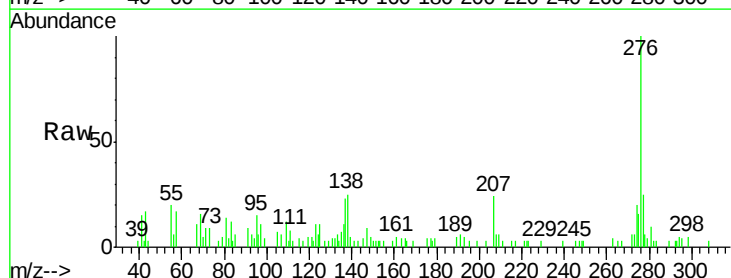
Tgt Ion:276 Resp: 26280

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 25.5 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

