

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
 Data File : BF107472.D
 Acq On : 18 Jul 2018 12:54
 Operator : JU/SJ
 Sample : J4016-11 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3-L-12-7

Quant Time: Jul 18 14:10:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	139573	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	525979	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	299085	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	594838	20.00	ng	0.00
75) Chrysene-d12	14.18	240	328068	20.00	ng	0.00
86) Perylene-d12	15.72	264	344584	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	360329	39.21	ng	0.00
7) Phenol-d6	6.61	99	473335	39.84	ng	0.00
23) Nitrobenzene-d5	7.54	82	336586	34.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	92413	35.17	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	544716	22.38	ng	0.00
78) Terphenyl-d14	13.11	244	521272	39.48	ng	0.00

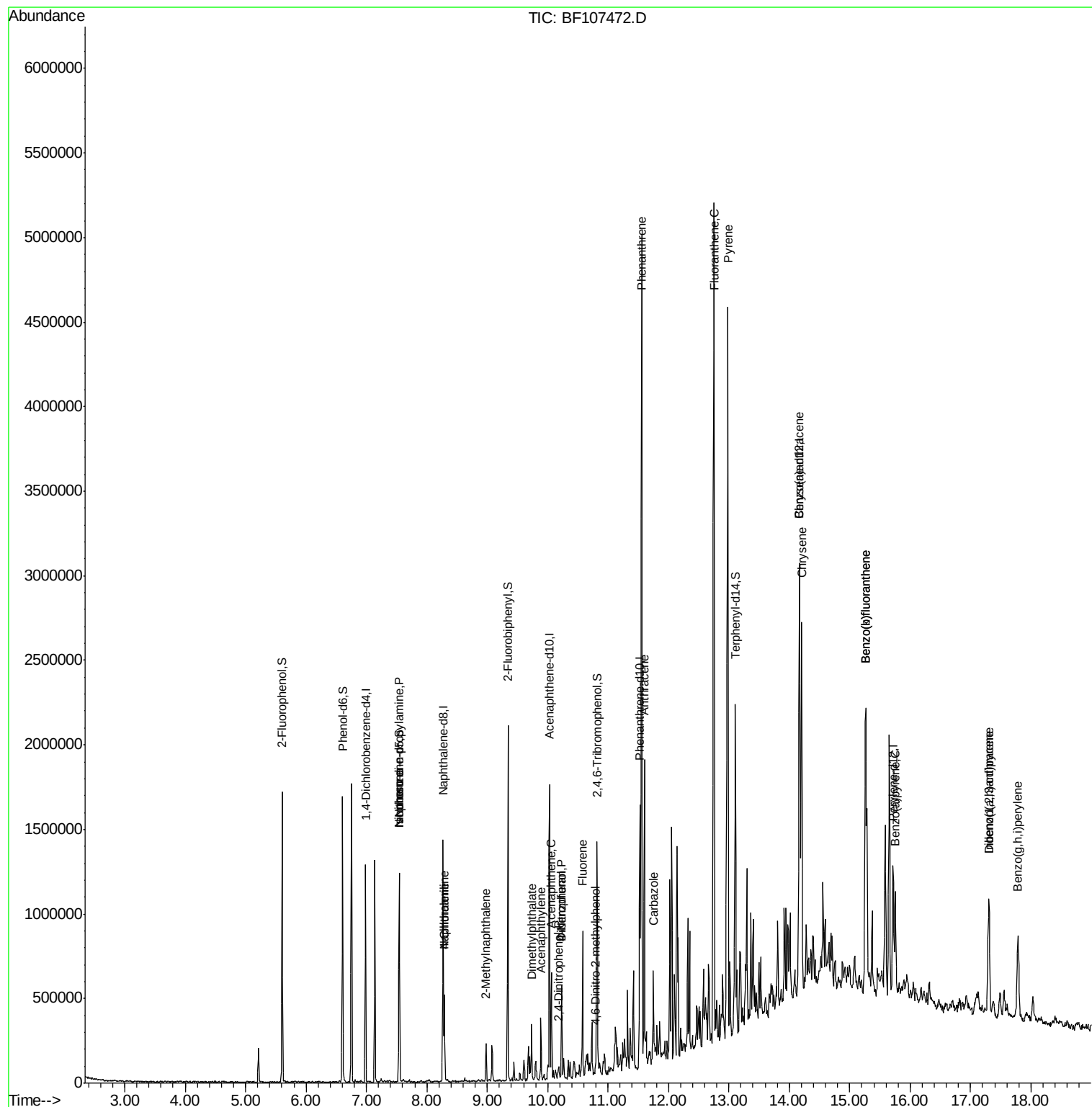
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	50643	5.953	ng	# 76
25) Isophorone	7.54	82	336578	17.215	ng	# 64
31) Naphthalene	8.29	128	164524	6.440	ng	96
33) 4-Chloroaniline	8.29	127	26811	2.423	ng	# 47
37) 2-Methylnaphthalene	8.98	142	50556	3.002	ng	# 89
48) Acenaphthylene	9.89	152	116200	4.077	ng	97
49) Dimethylphthalate	9.73	163	104825	4.411	ng	# 94
51) Acenaphthene	10.06	154	106149	5.618	ng	92
53) 2,4-Dinitrophenol	10.19	184	260	2.486	ng	# 60
54) Dibenzofuran	10.23	168	160750	5.505	ng	91
55) 4-Nitrophenol	10.23	139	72573	18.830	ng	# 10
57) Fluorene	10.58	166	191007	9.877	ng	92
64) 4,6-Dinitro-2-methylphenol	10.79	198	474	7.615	ng	# 64
70) Phenanthrene	11.56	178	2088854	70.464	ng	98
71) Anthracene	11.60	178	569397	19.284	ng	97
72) Carbazole	11.75	167	179373	6.417	ng	100
74) Fluoranthene	12.75	202	2482183	73.670	ng	93
77) Pyrene	12.98	202	2084490	93.436	ng	97
80) Benzo(a)anthracene	14.17	228	1052590	52.438	ng	95
82) Chrysene	14.21	228	900224	46.948	ng	98
85) Indeno(1,2,3-cd)pyrene	17.31	276	510271	37.386	ng	# 82
87) Benzo(b)fluoranthene	15.27	252	1474320	73.098	ng	# 95
88) Benzo(k)fluoranthene	15.27	252	1474320	74.902	ng	# 95
89) Benzo(a)pyrene	15.75	252	247323	13.360	ng	93
90) Dibenzo(a,h)anthracene	17.31	278	118449	8.478	ng	96
91) Benzo(g,h,i)perylene	17.79	276	444725	31.327	ng	# 88

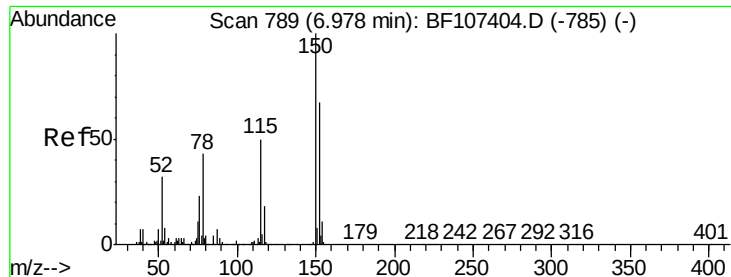
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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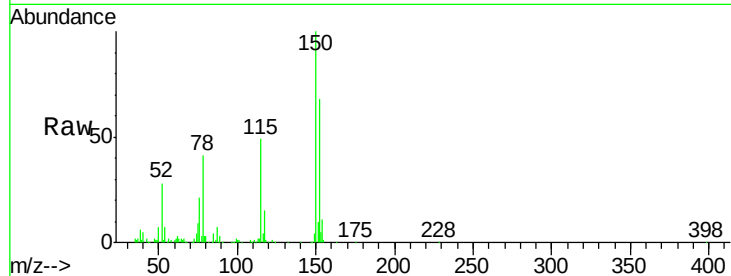


#1

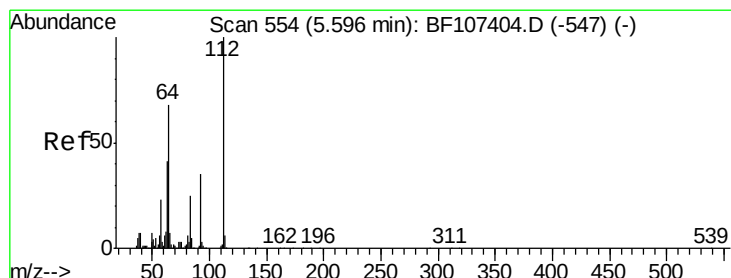
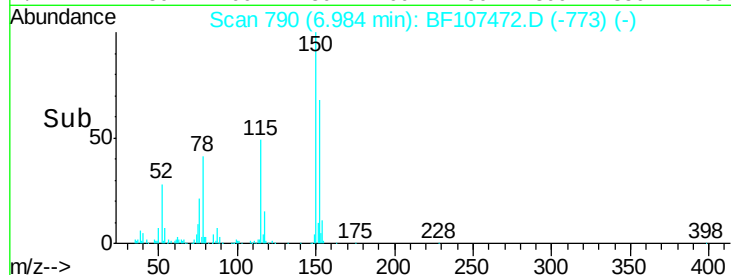
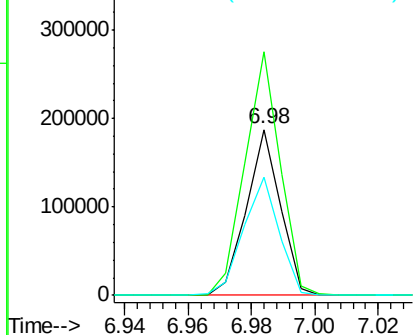
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

Tgt Ion:152 Resp: 139573
Ion Ratio Lower Upper
152 100
150 146.7 124.6 186.8
115 71.4 50.1 75.1



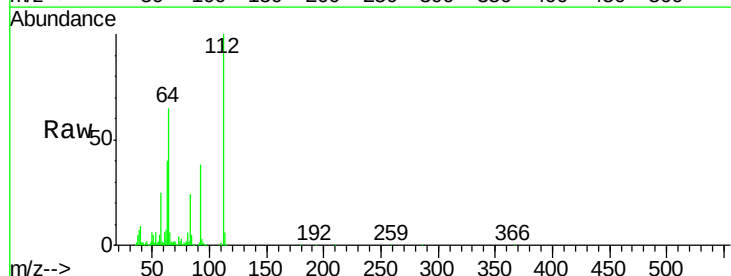
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



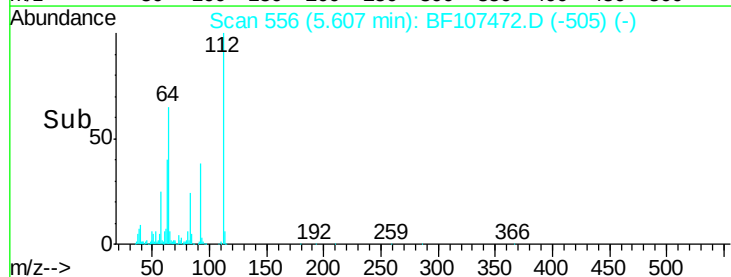
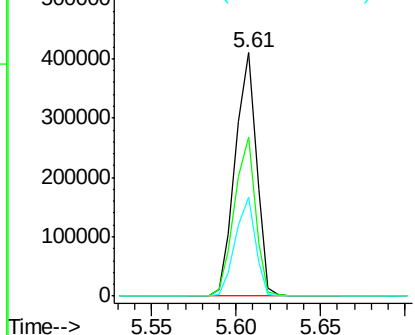
#5

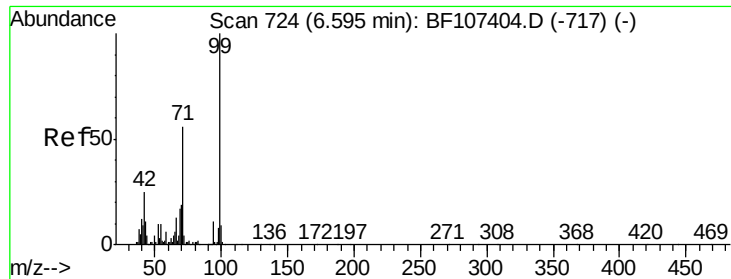
2-Fluorophenol
Concen: 39.209 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:112 Resp: 360329
Ion Ratio Lower Upper
112 100
64 65.3 47.9 71.9
63 40.4 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: 39.837 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

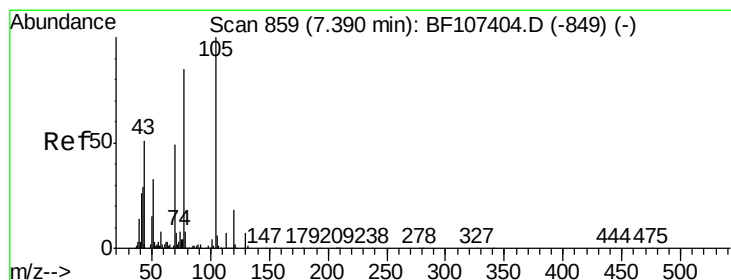
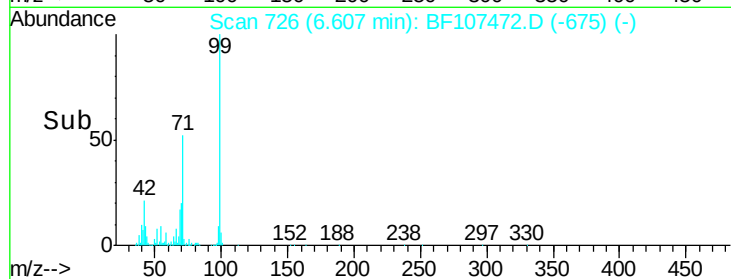
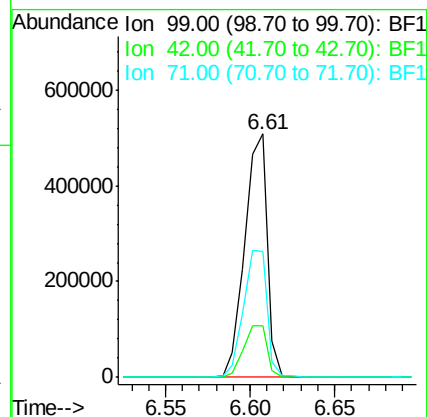
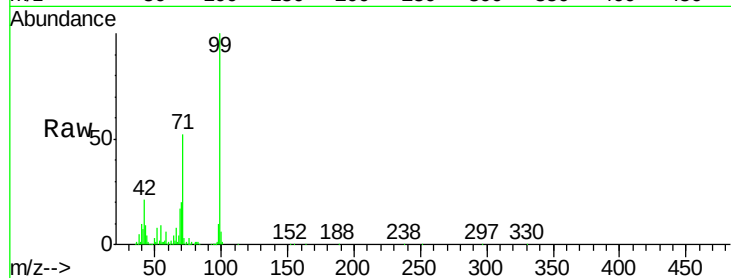
Tgt Ion: 99 Resp: 473335

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 51.8 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 5.953 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Tgt Ion: 70 Resp: 50643

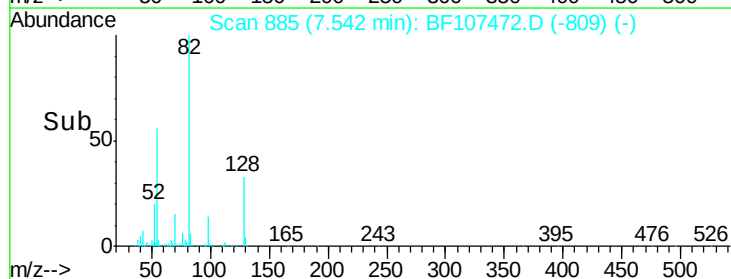
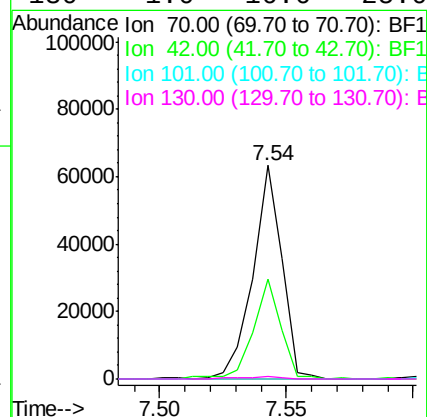
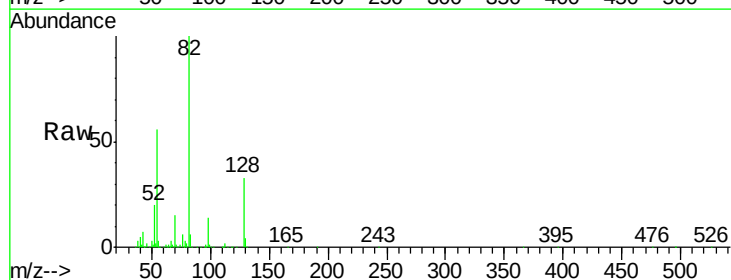
Ion Ratio Lower Upper

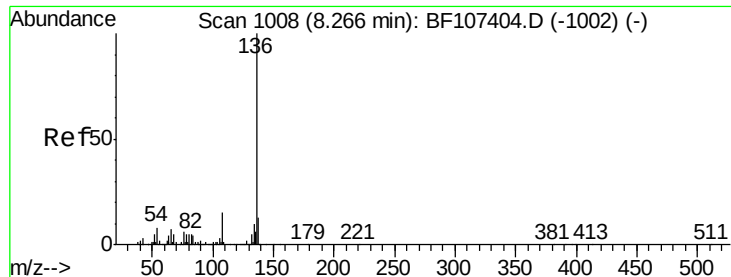
70 100

42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.0 16.6 25.0#

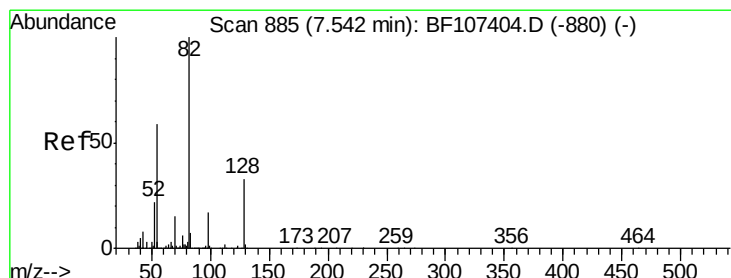
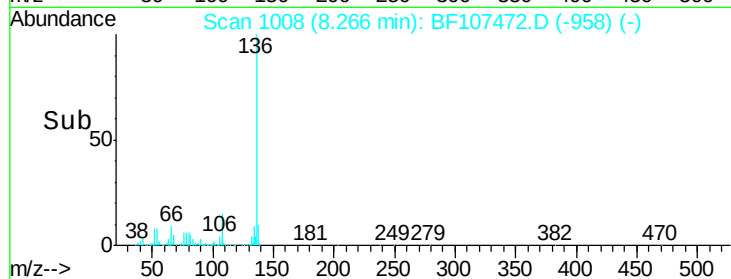
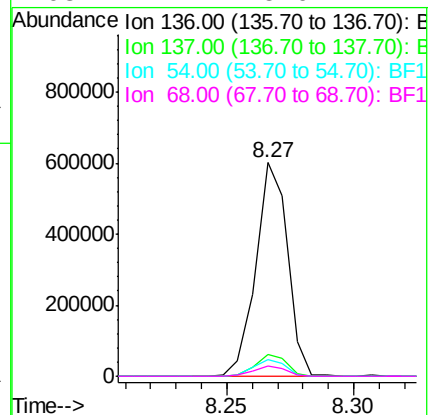
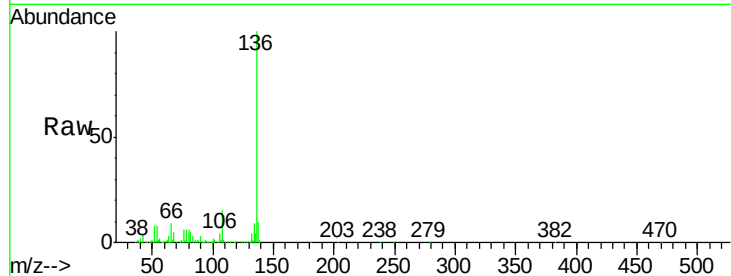




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

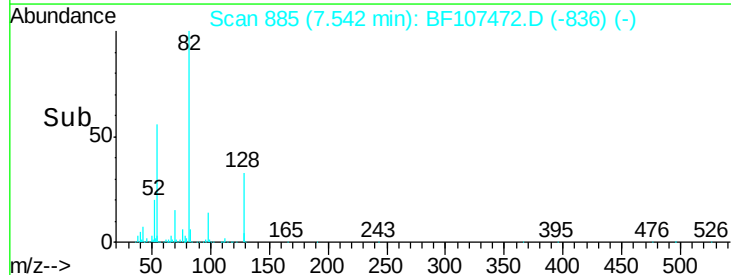
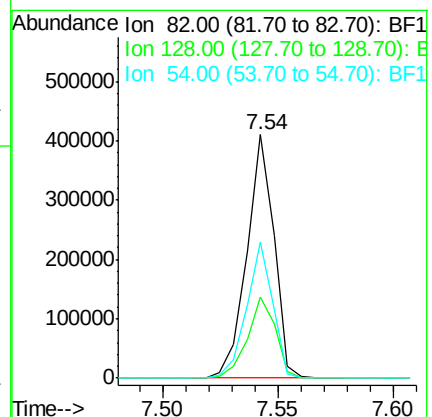
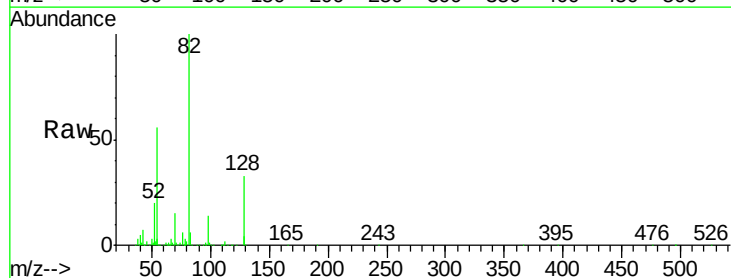
Instrument :
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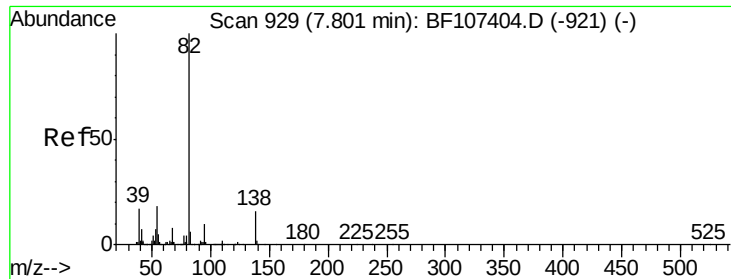
Tgt Ion:	136	Resp:	525979
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	8.0	6.6	9.8
68	4.7	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 34.123 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:	82	Resp:	336586
Ion	Ratio	Lower	Upper
82	100		
128	33.1	36.1	54.1#
54	55.9	41.4	62.2





#25

Isophorone

Concen: 17.215 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

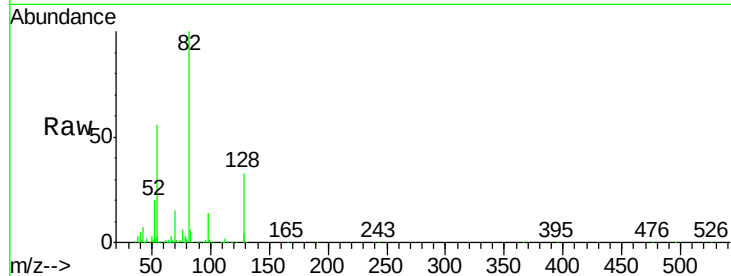
Tgt Ion: 82 Resp: 336578

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

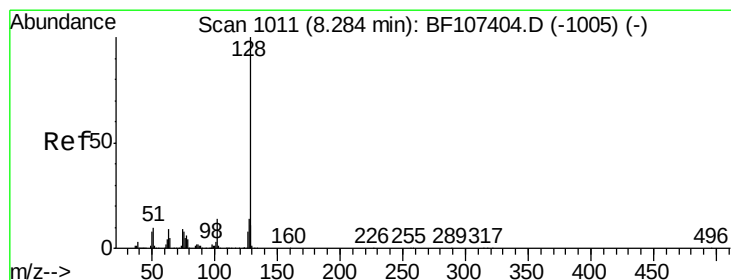
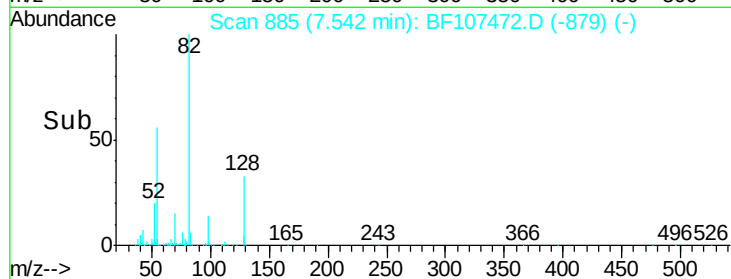
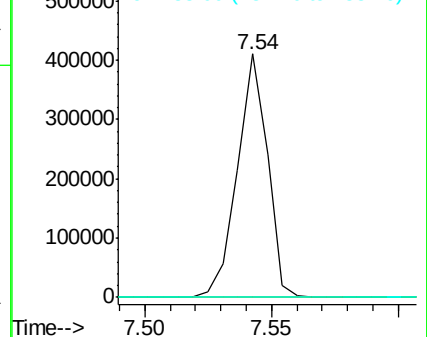
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 6.440 ng

RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

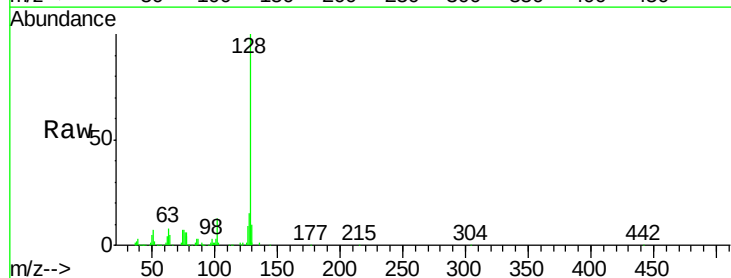
Tgt Ion: 128 Resp: 164524

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

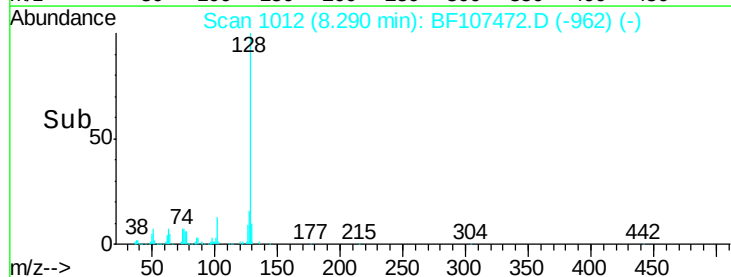
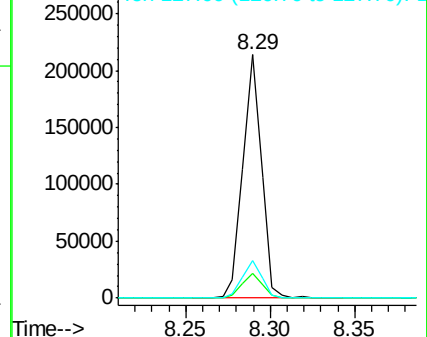
127 15.5 10.9 16.3

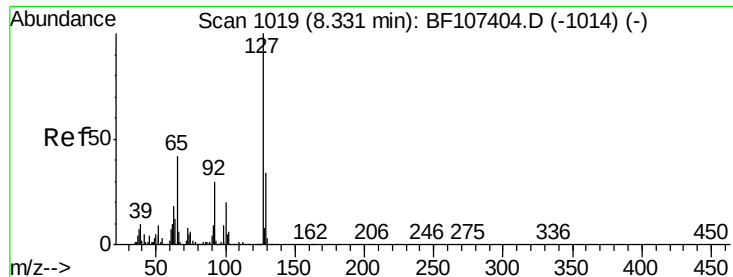


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

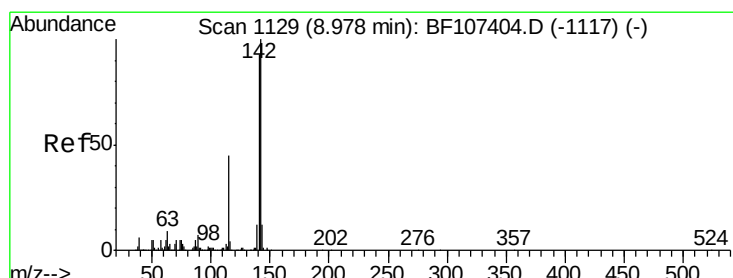
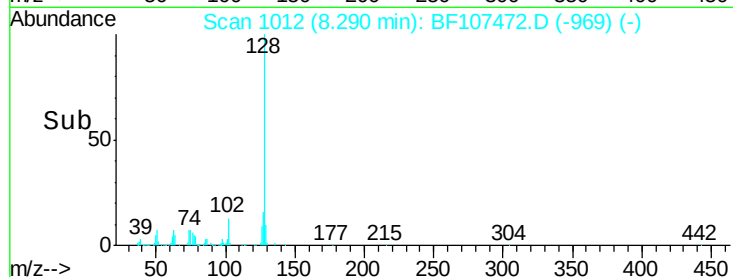
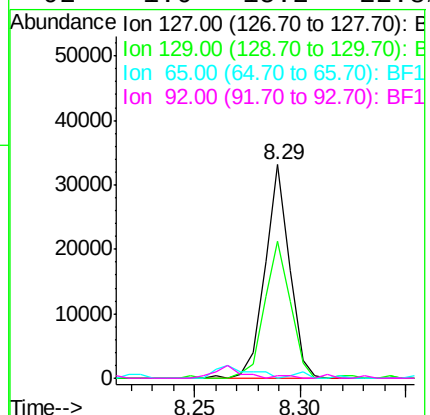
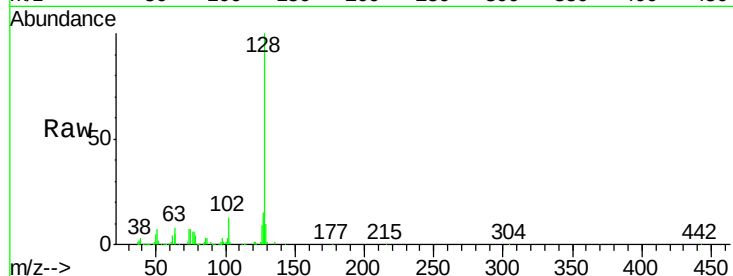




#33
4-Chloroaniline
Concen: 2.423 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.05 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

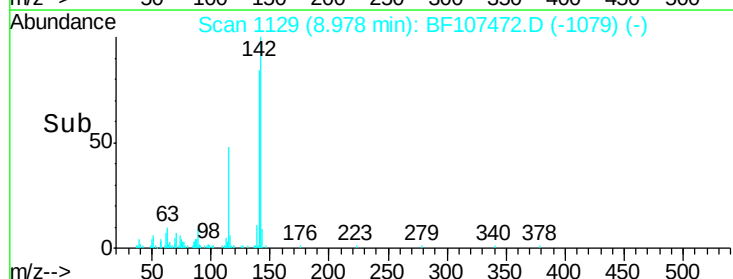
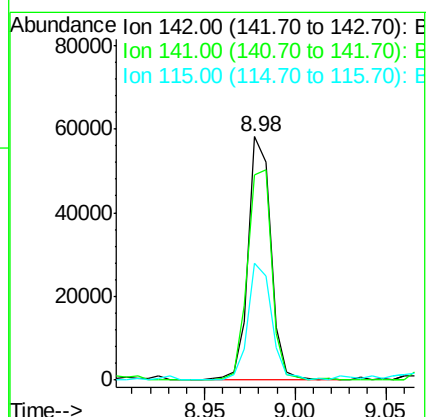
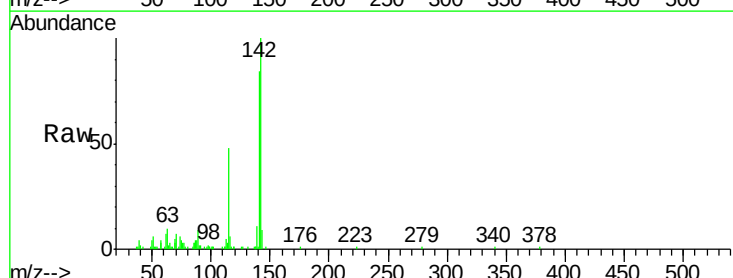
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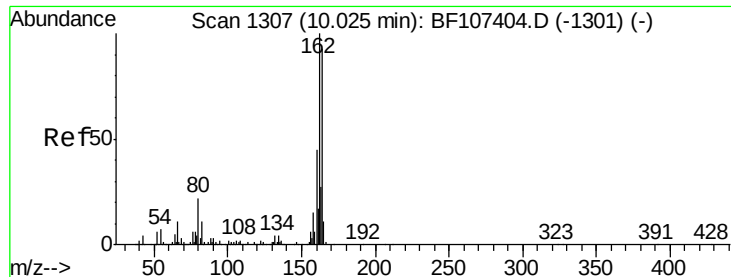
Tgt Ion:	127	Resp:	26811
Ion Ratio	Lower	Upper	
127	100		
129	64.2	25.9	38.9#
65	0.0	25.0	37.4#
92	1.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 3.002 ng
RT: 8.98 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:	142	Resp:	50556
Ion Ratio	Lower	Upper	
142	100		
141	84.3	70.8	106.2
115	48.3	26.1	39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

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BNA_F

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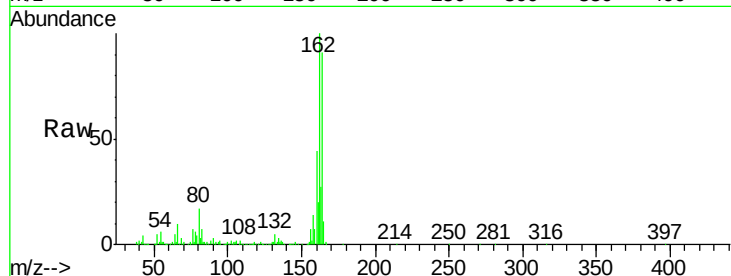
Tgt Ion:164 Resp: 299085

Ion Ratio Lower Upper

164 100

162 110.3 86.1 129.1

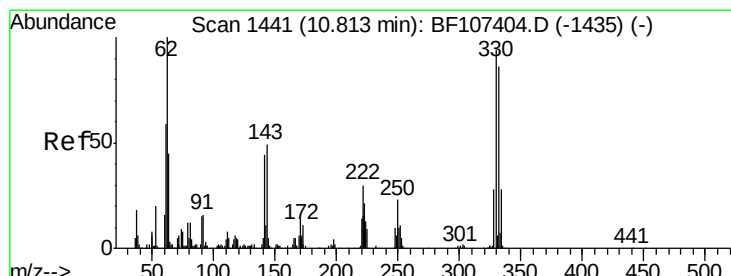
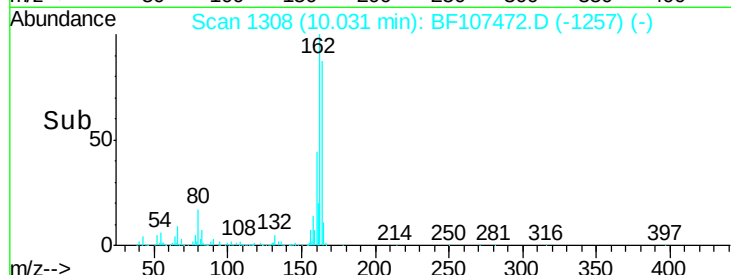
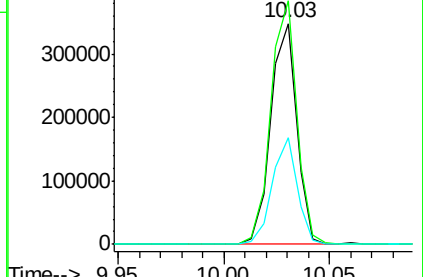
160 48.6 38.3 57.5



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: 35.167 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

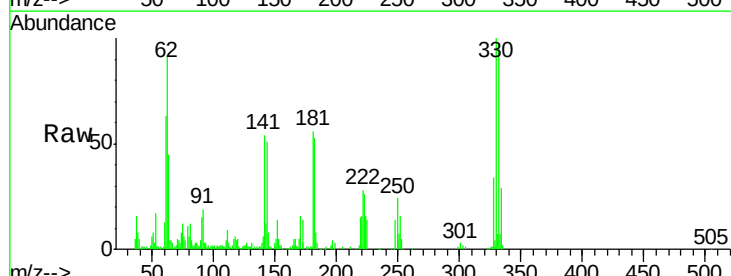
Tgt Ion:330 Resp: 92413

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

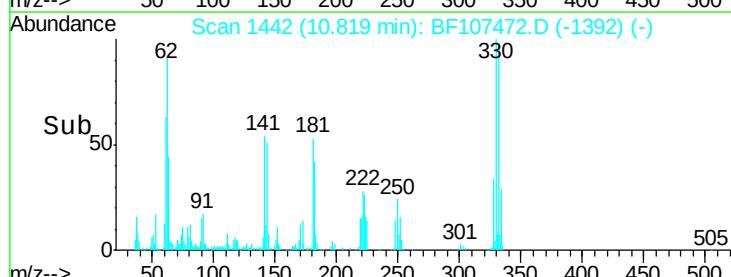
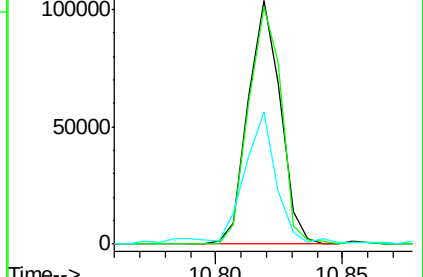
141 57.1 29.9 44.9#

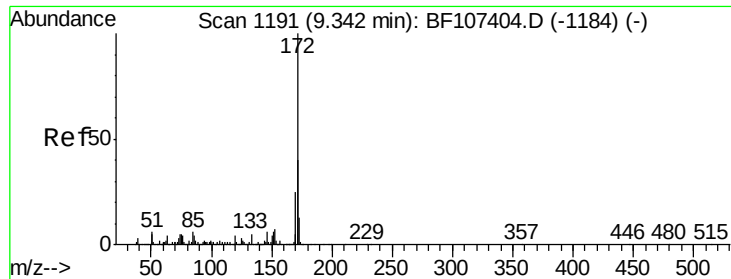


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

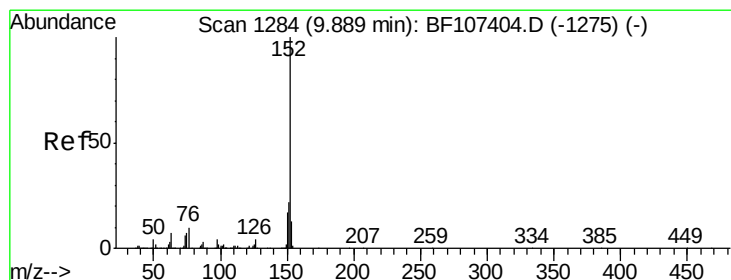
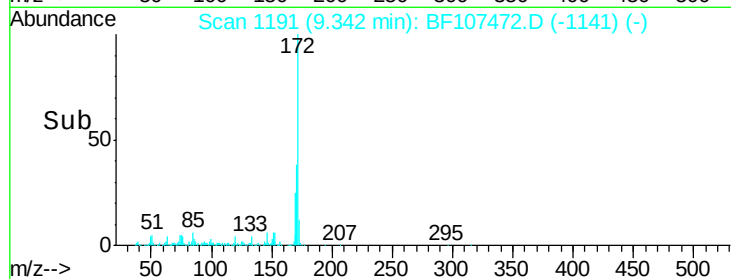
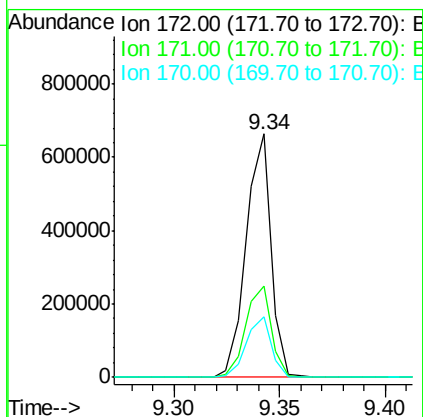
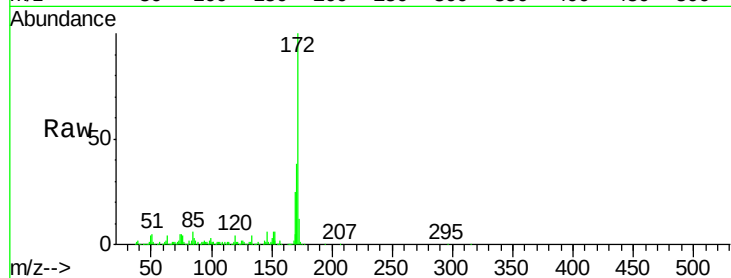




#44
2-Fluorobiphenyl
Concen: 22.381 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

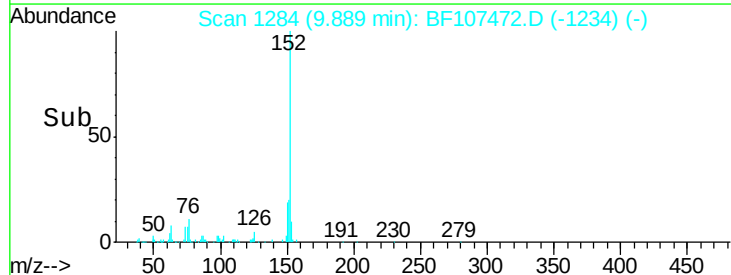
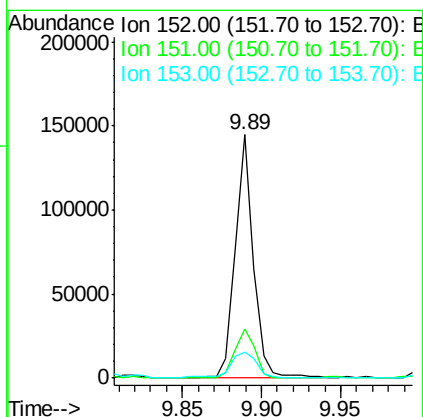
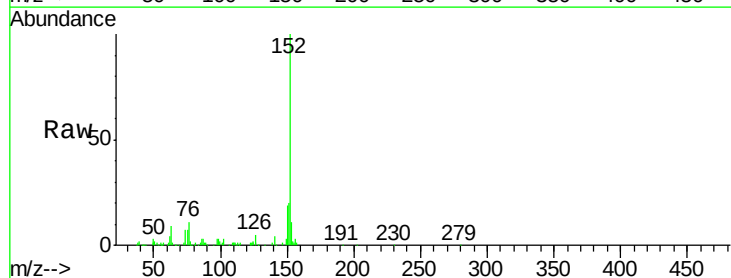
Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

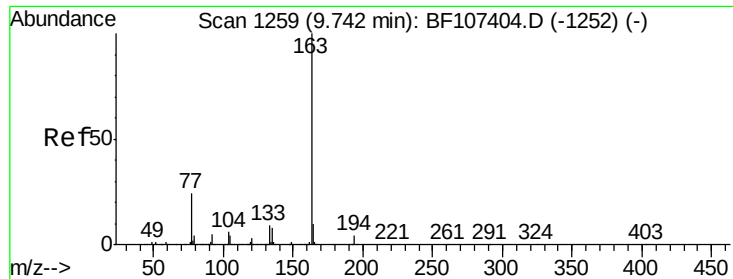
Tgt Ion:172 Resp: 544716
Ion Ratio Lower Upper
172 100
171 37.6 29.7 44.5
170 25.1 19.6 29.4



#48
Acenaphthylene
Concen: 4.077 ng
RT: 9.89 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:152 Resp: 116200
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 10.9 10.7 16.1





#49

Dimethylphthalate

Concen: 4.411 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

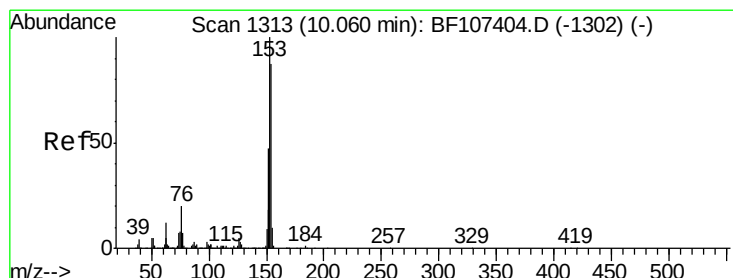
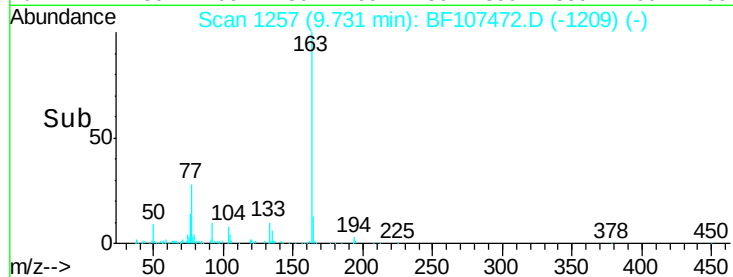
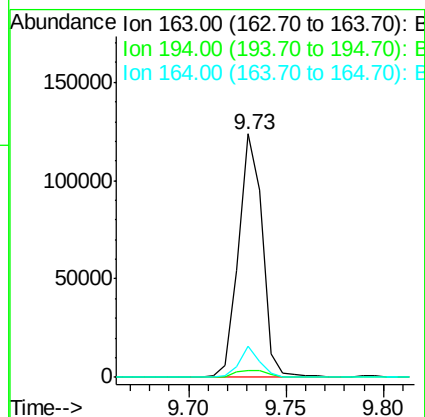
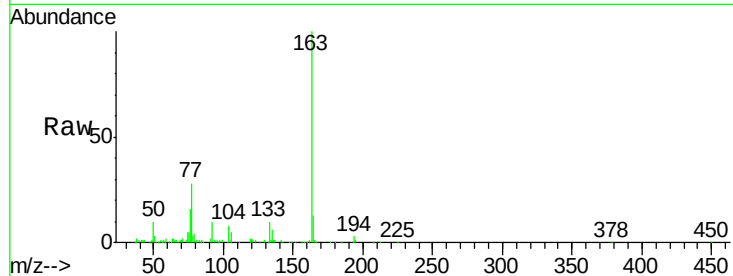
Tgt Ion:163 Resp: 104825

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

164 12.7 8.2 12.2#



#51

Acenaphthene

Concen: 5.618 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

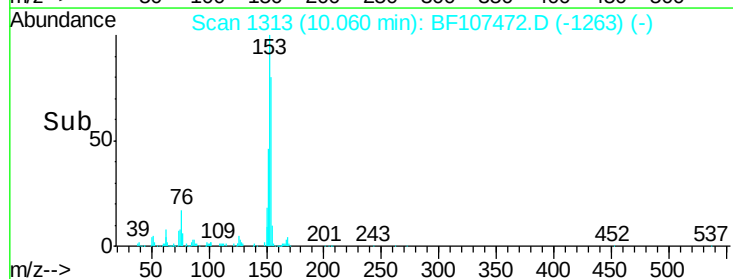
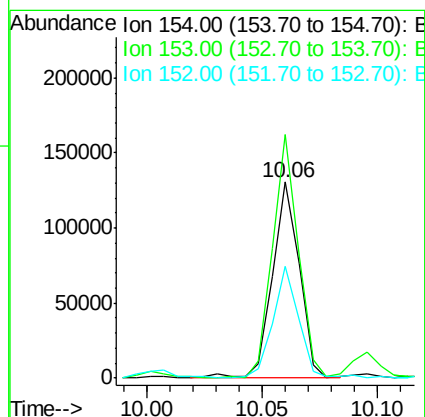
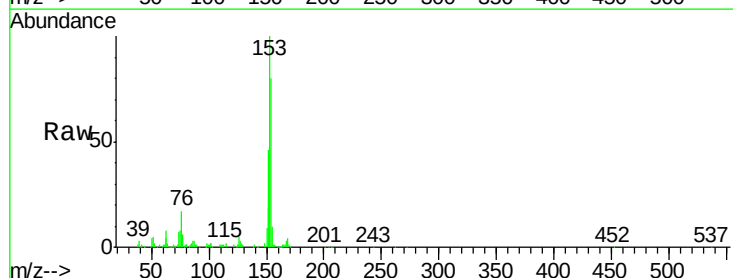
Tgt Ion:154 Resp: 106149

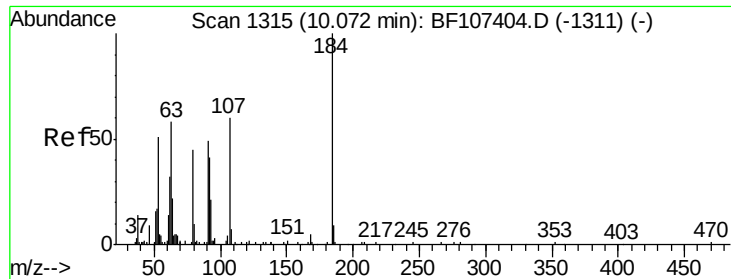
Ion Ratio Lower Upper

154 100

153 124.3 91.2 136.8

152 57.3 43.8 65.8

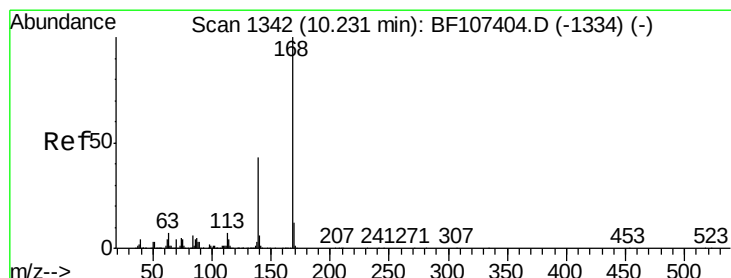
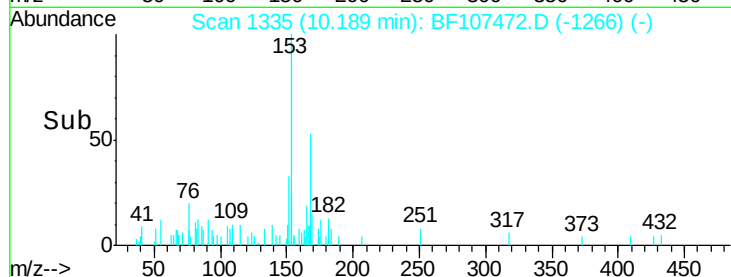
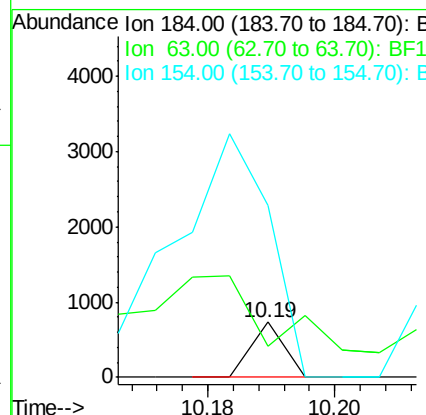
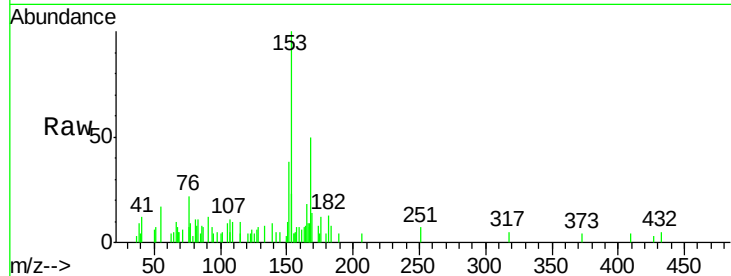




#53
2,4-Dinitrophenol
Concen: 2.486 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.11 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

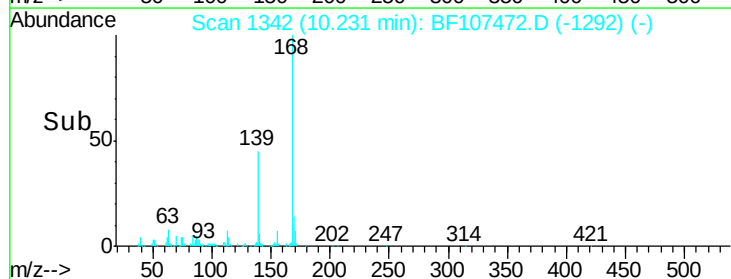
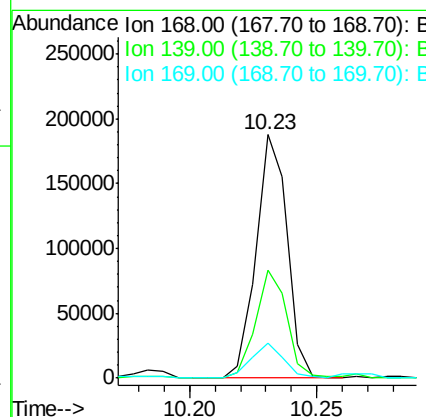
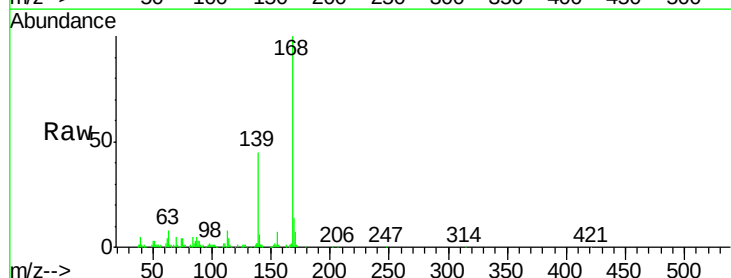
Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

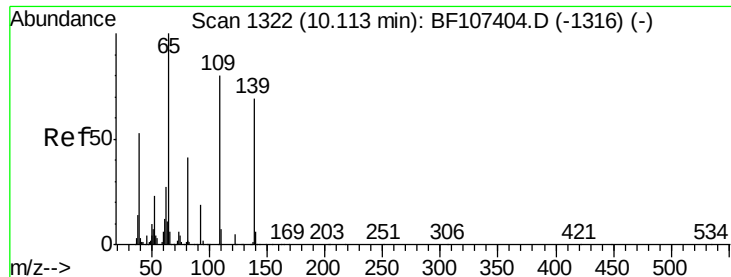
Tgt Ion:184 Resp: 260
Ion Ratio Lower Upper
184 100
63 57.3 54.2 81.2
154 309.4 184.0 276.0#



#54
Dibenzofuran
Concen: 5.505 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:168 Resp: 160750
Ion Ratio Lower Upper
168 100
139 44.5 30.1 45.1
169 14.4 10.9 16.3

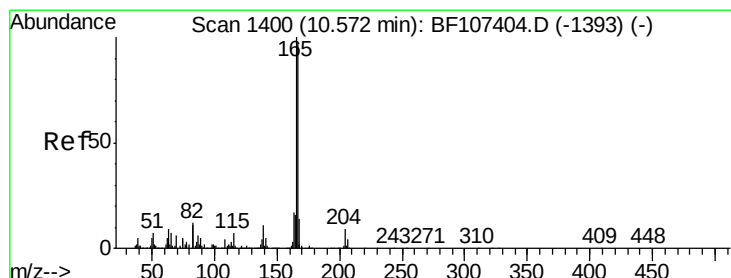
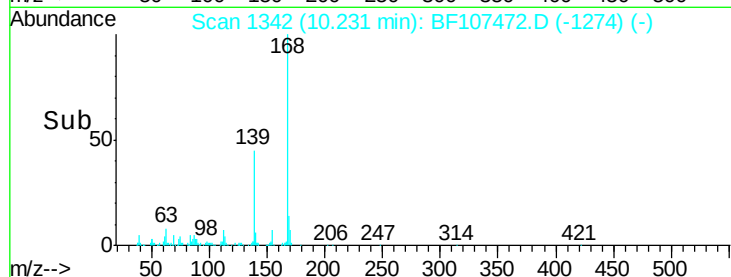
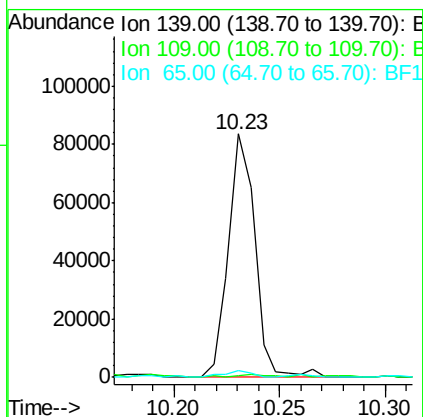
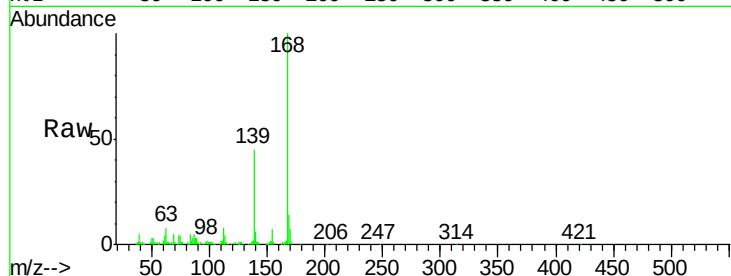




#55
4-Nitrophenol
Concen: 18.830 ng
RT: 10.23 min Scan# 1342
Delta R.T. 0.10 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

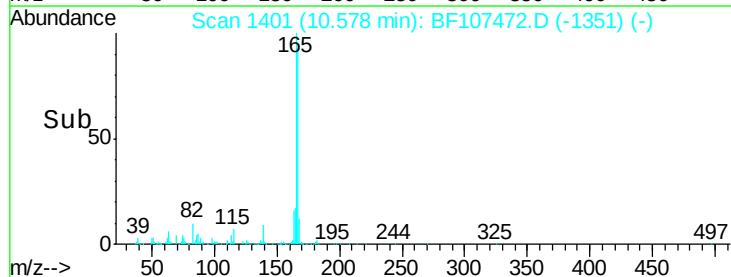
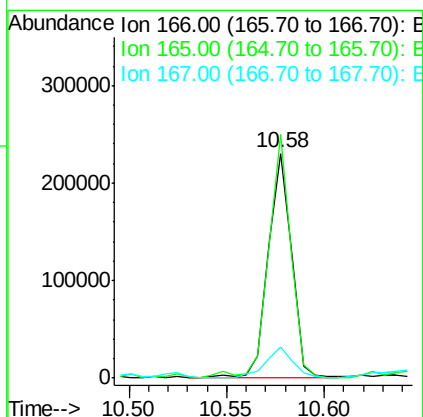
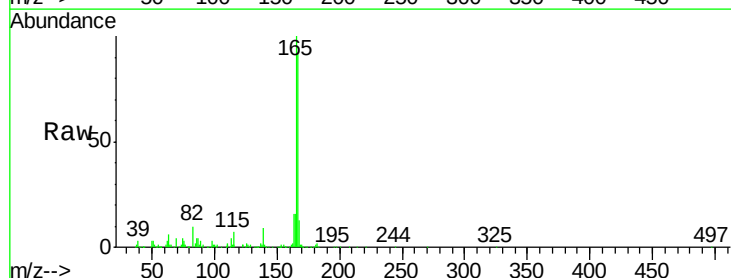
Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

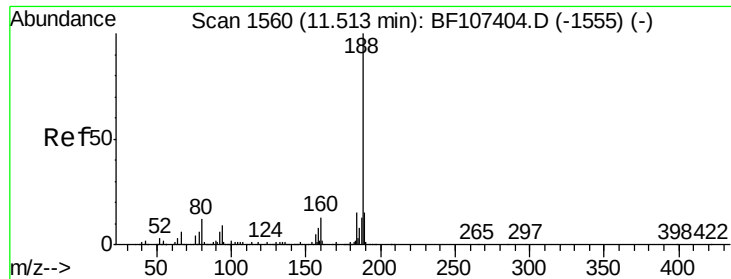
Tgt Ion:139 Resp: 72573
Ion Ratio Lower Upper
139 100
109 0.5 48.4 88.4#
65 2.7 72.6 112.6#



#57
Fluorene
Concen: 9.877 ng
RT: 10.58 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:166 Resp: 191007
Ion Ratio Lower Upper
166 100
165 108.2 79.8 119.8
167 13.8 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

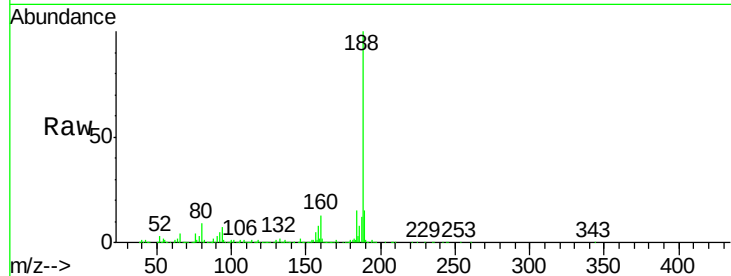
Tgt Ion:188 Resp: 594838

Ion Ratio Lower Upper

188 100

94 6.8 8.5 12.7#

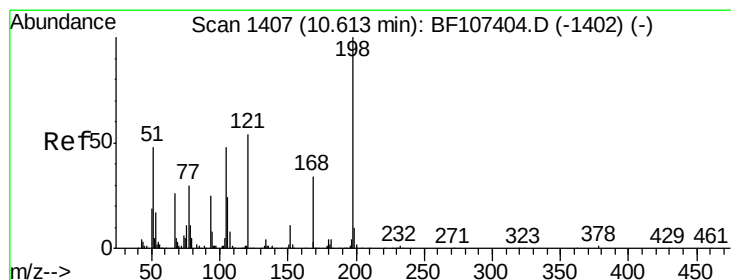
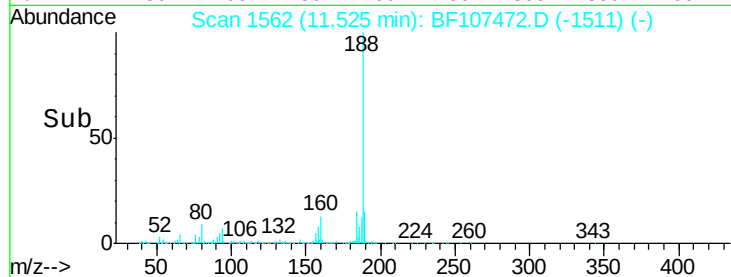
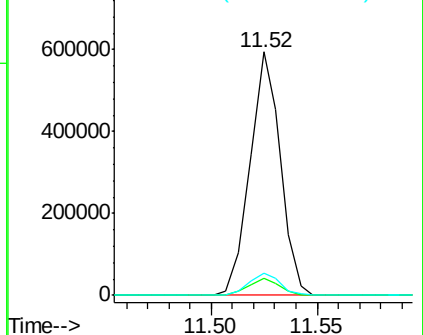
80 9.1 9.2 13.8#



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: 7.615 ng

RT: 10.79 min Scan# 1437

Delta R.T. 0.16 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

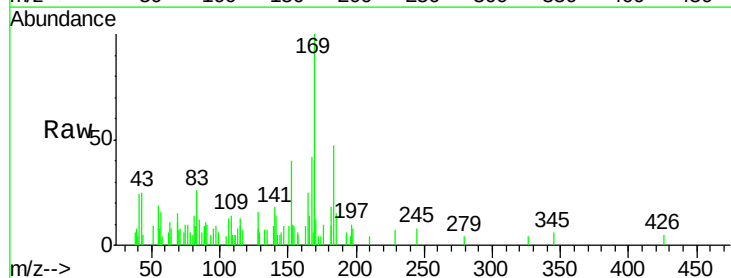
Tgt Ion:198 Resp: 474

Ion Ratio Lower Upper

198 100

51 107.4 37.7 77.7#

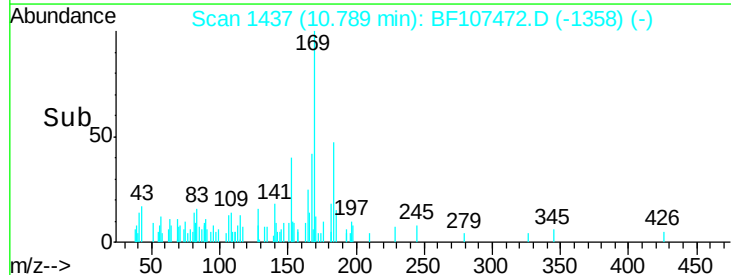
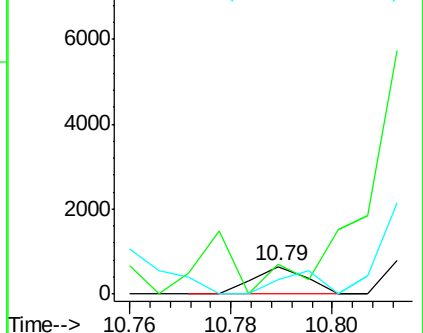
105 52.8 36.3 76.3

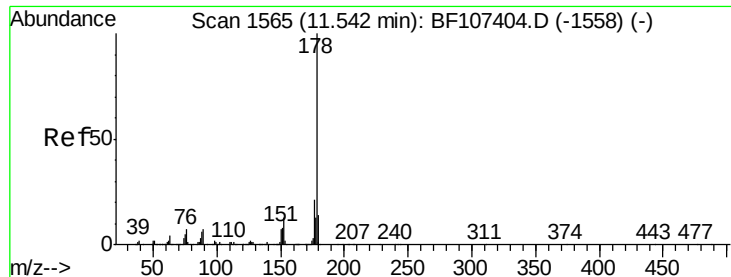


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 70.464 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

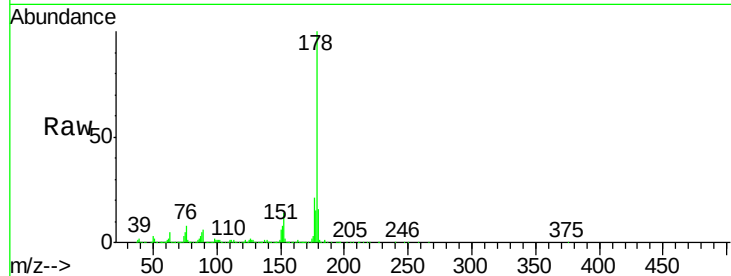
Tgt Ion:178 Resp: 2088854

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

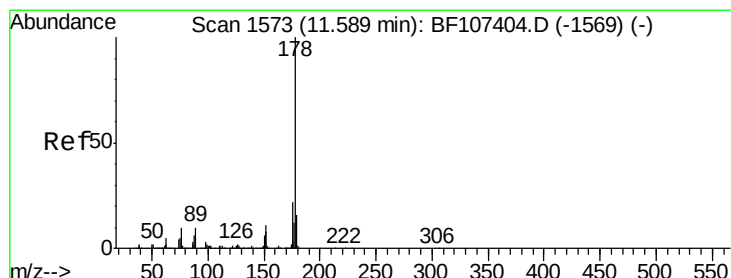
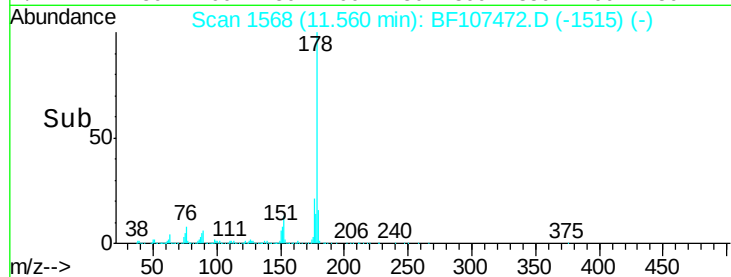
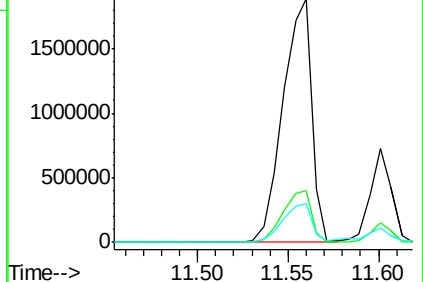
179 15.9 13.0 19.6



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: 19.284 ng

RT: 11.60 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

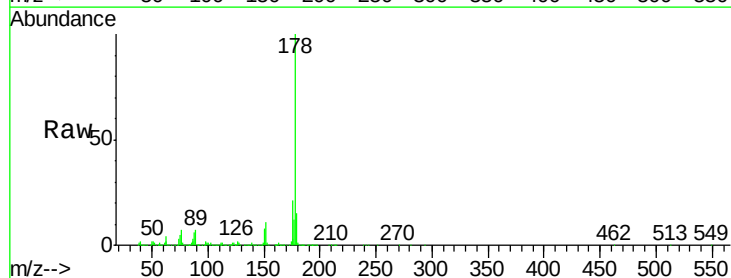
Tgt Ion:178 Resp: 569397

Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.2

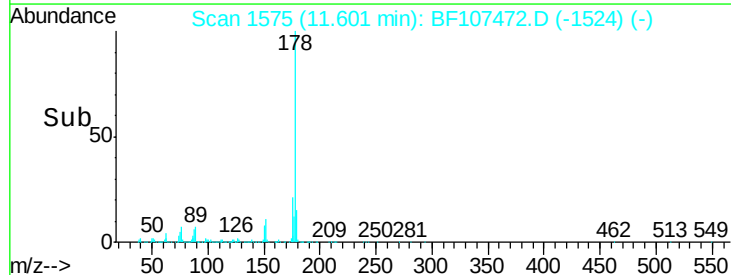
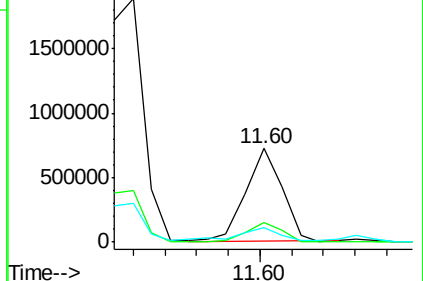
179 15.1 12.6 19.0

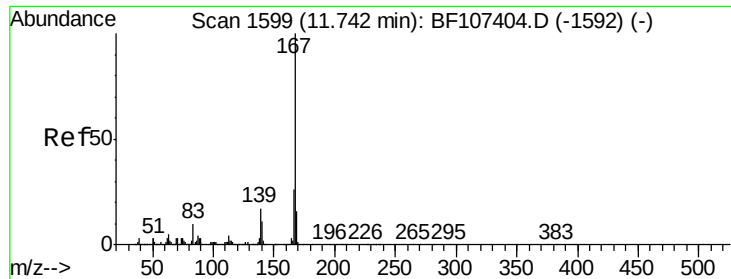


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.417 ng

RT: 11.75 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

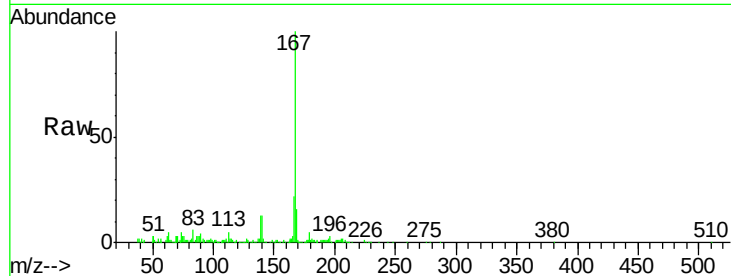
Tgt Ion:167 Resp: 179373

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

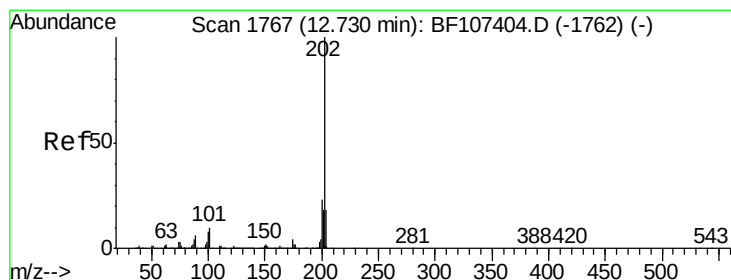
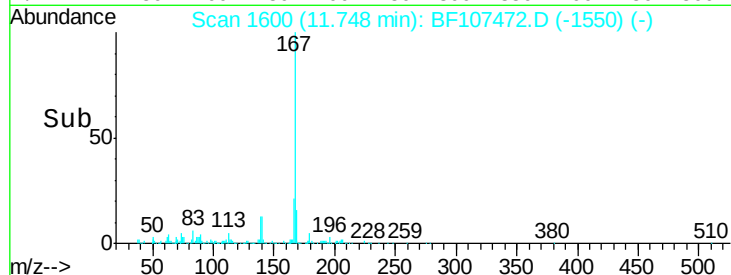
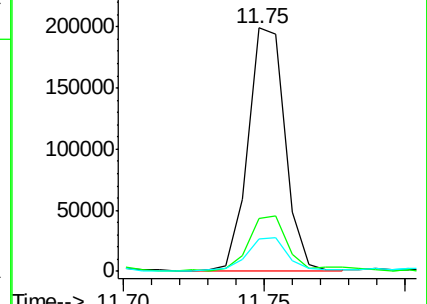
139 13.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 73.670 ng

RT: 12.75 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

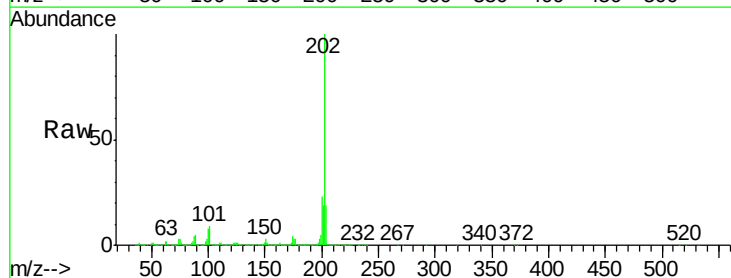
Tgt Ion:202 Resp: 2482183

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.1

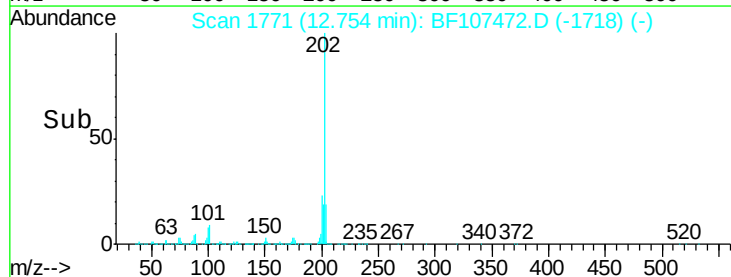
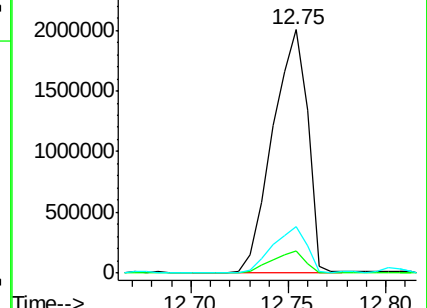
203 19.2 0.0 38.1

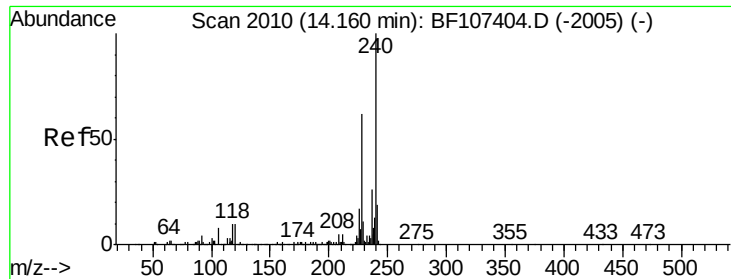


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

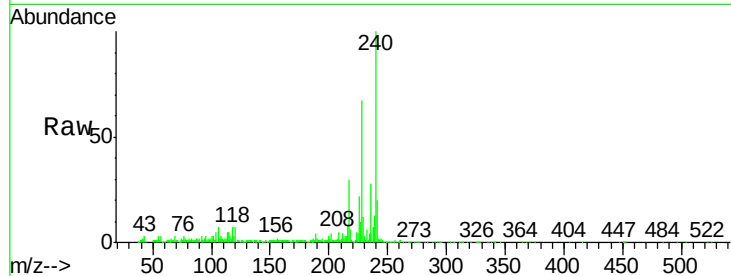
Tgt Ion:240 Resp: 328068

Ion Ratio Lower Upper

240 100

120 7.1 9.5 14.3#

236 27.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

500000

400000

300000

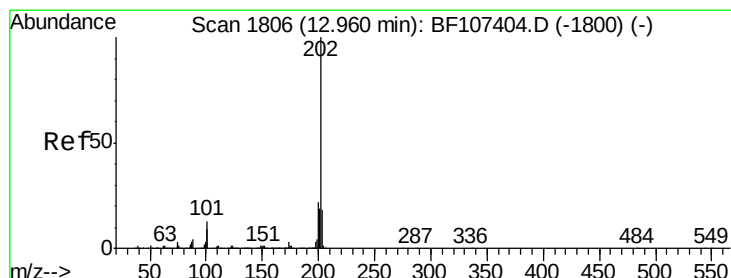
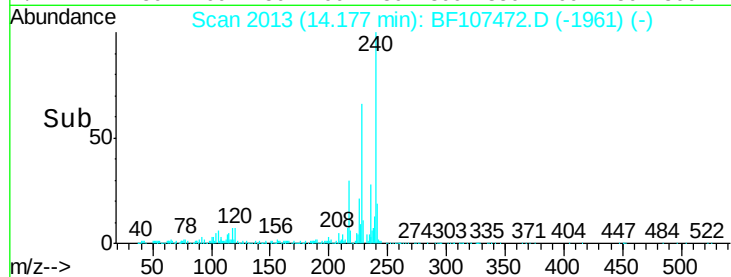
200000

100000

0

14.10 14.15 14.20

Time-->



#77

Pyrene

Concen: 93.436 ng

RT: 12.98 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

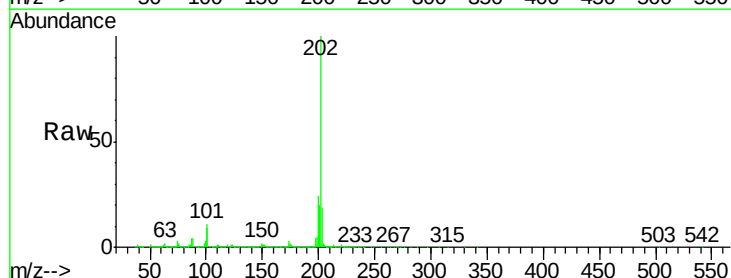
Tgt Ion:202 Resp: 2084490

Ion Ratio Lower Upper

202 100

200 23.6 17.4 26.2

203 18.8 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

2000000

1500000

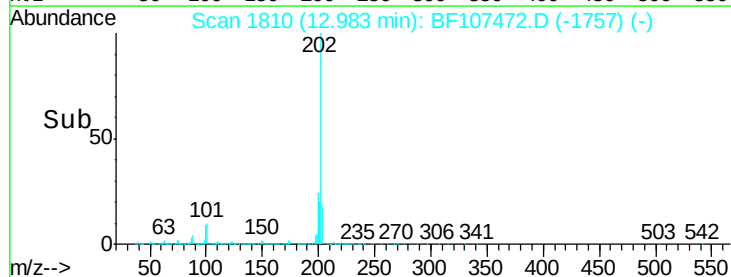
1000000

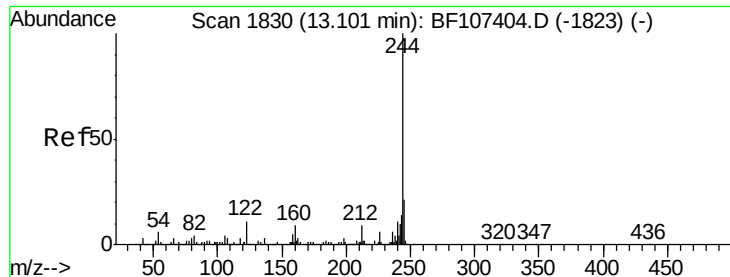
500000

0

12.95 13.00

Time-->





#78

Terphenyl-d14

Concen: 39.478 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

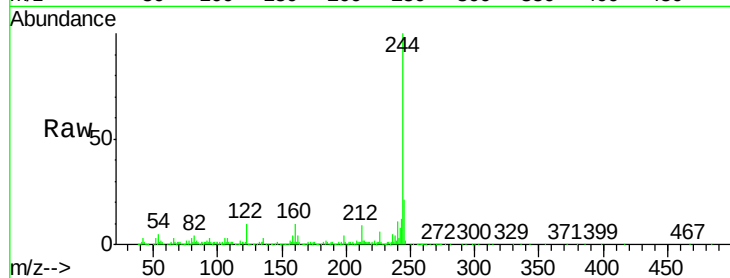
Tgt Ion:244 Resp: 521272

Ion Ratio Lower Upper

244 100

212 9.2 5.4 8.0#

122 9.7 11.0 16.4#

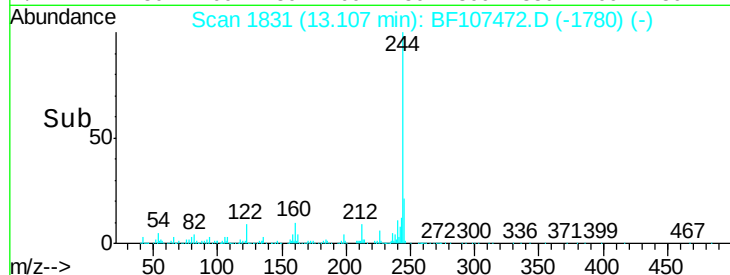


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



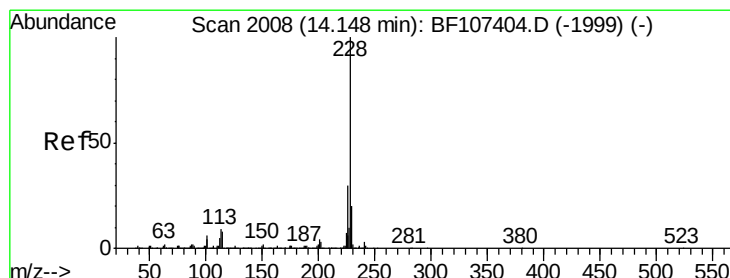
Abundance

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

Time-->



#80

Benzo(a)anthracene

Concen: 52.438 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

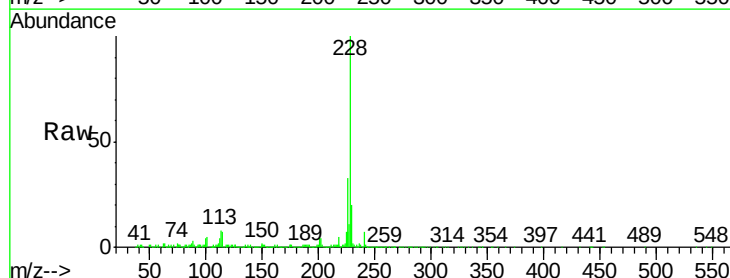
Tgt Ion:228 Resp: 1052590

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

229 20.1 15.8 23.6

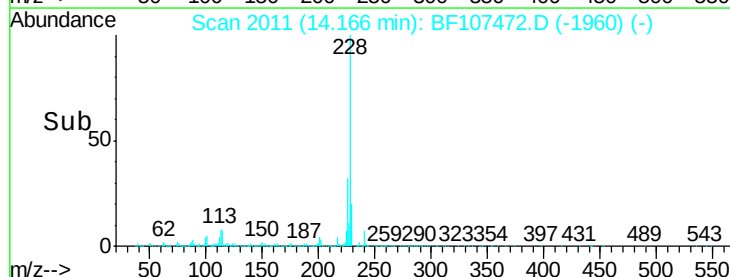


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



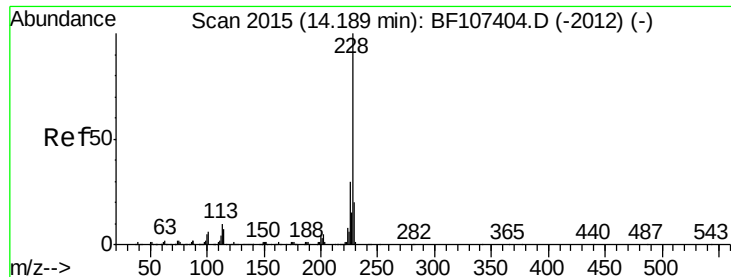
Abundance

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

Time-->



#82

Chrysene

Concen: 46.948 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

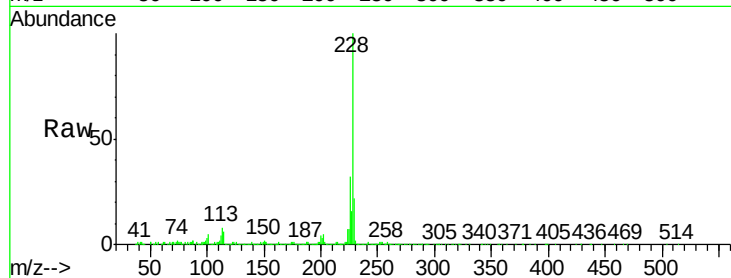
Tgt Ion:228 Resp: 900224

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

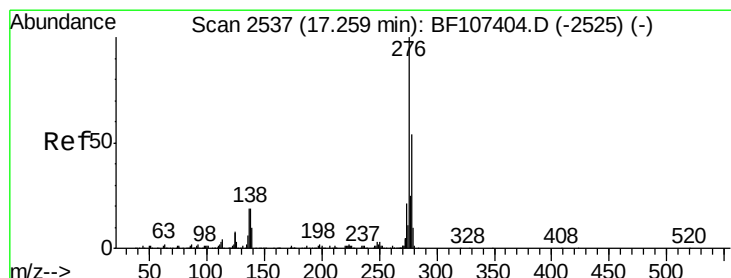
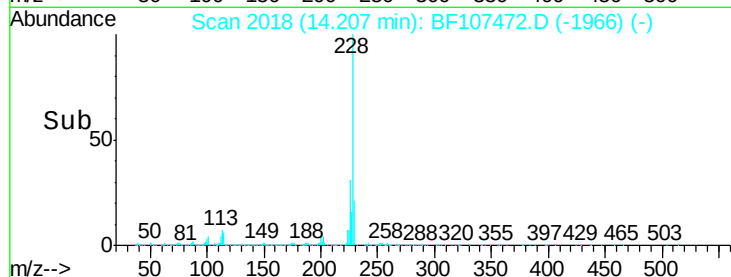
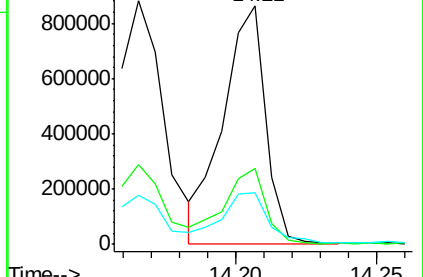
229 21.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 37.386 ng

RT: 17.31 min Scan# 2545

Delta R.T. 0.03 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

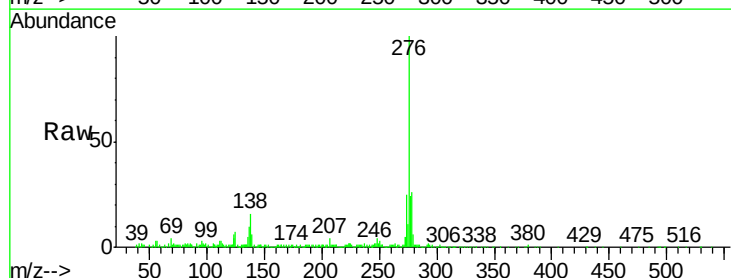
Tgt Ion:276 Resp: 510271

Ion Ratio Lower Upper

276 100

138 15.3 25.0 37.6#

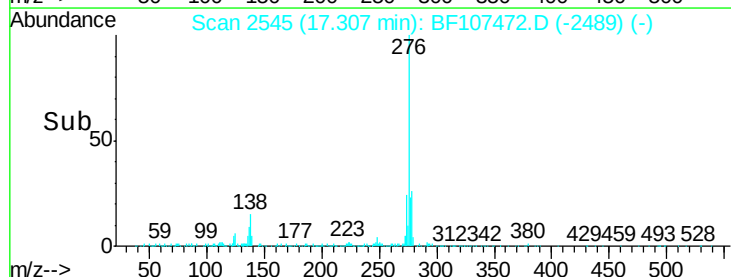
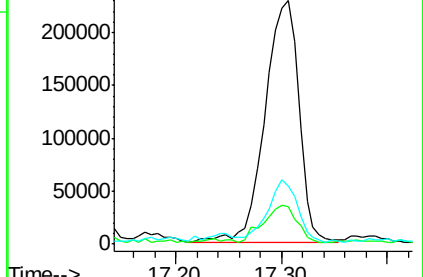
277 22.9 20.1 30.1

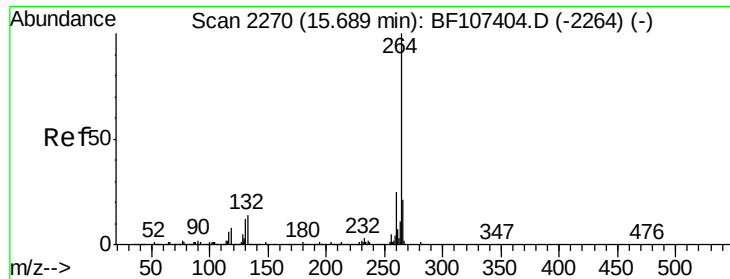


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

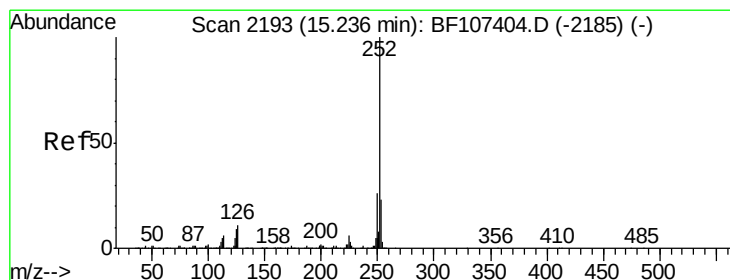
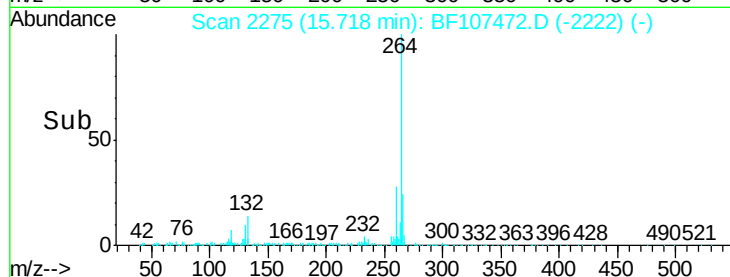
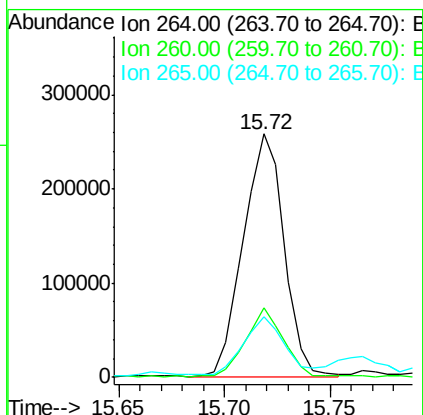
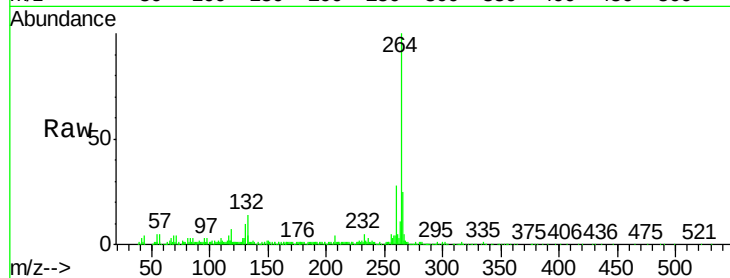




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

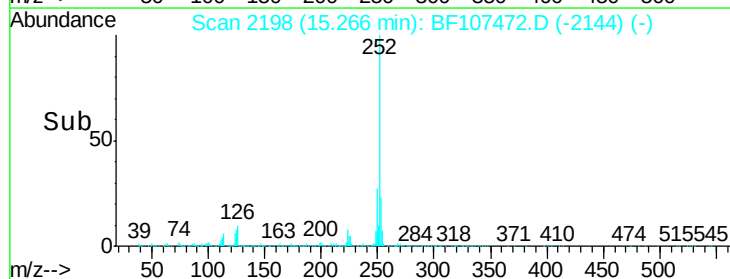
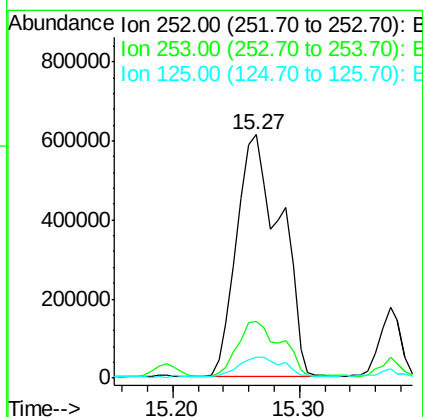
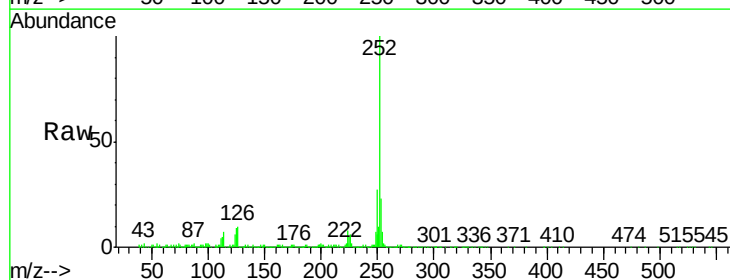
Instrument :
BNA_F
ClientSampleId :
SB3-L-12-7

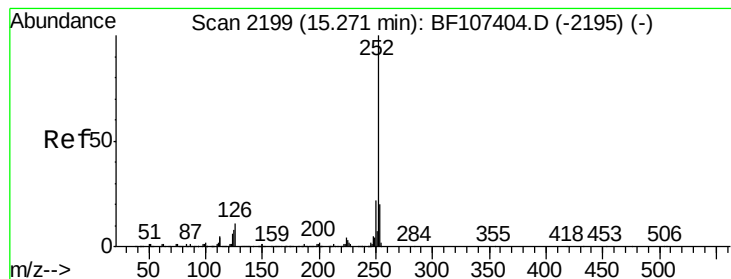
Tgt Ion:264 Resp: 344584
Ion Ratio Lower Upper
264 100
260 28.3 19.2 28.8
265 24.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 73.098 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BF107472.D
Acq: 18 Jul 2018 12:54

Tgt Ion:252 Resp: 1474320
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 8.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 74.902 ng

RT: 15.27 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

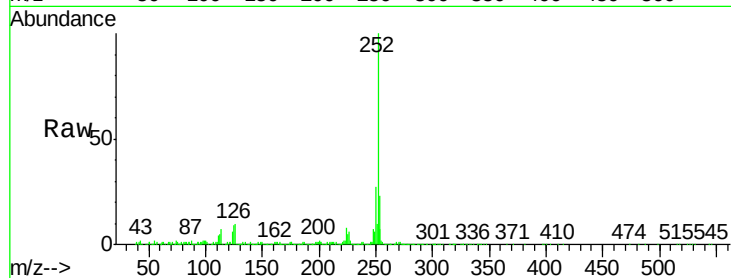
Tgt Ion:252 Resp: 1474320

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

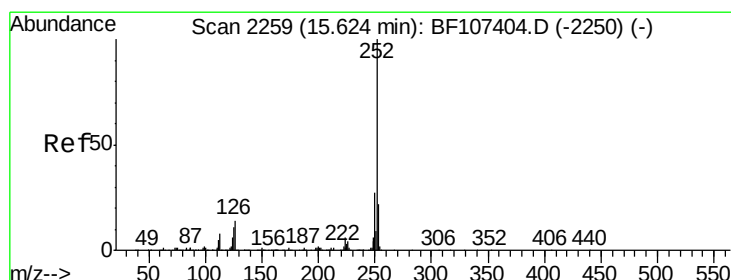
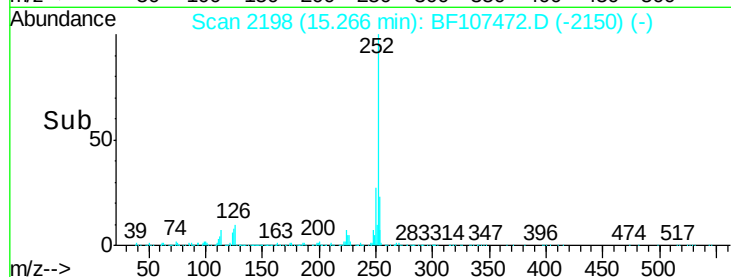
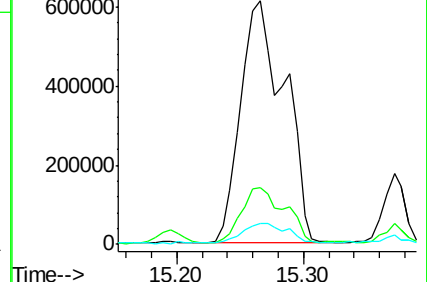
125 8.6 10.2 15.2#



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: 13.360 ng

RT: 15.75 min Scan# 2281

Delta R.T. 0.11 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

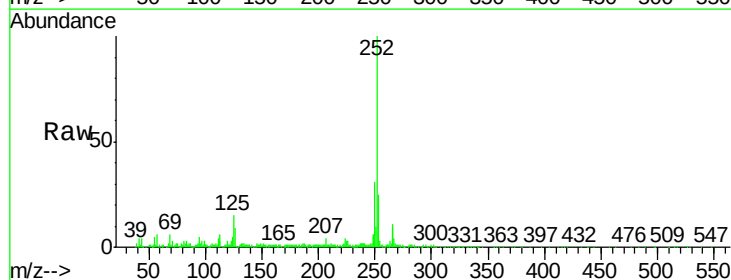
Tgt Ion:252 Resp: 247323

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

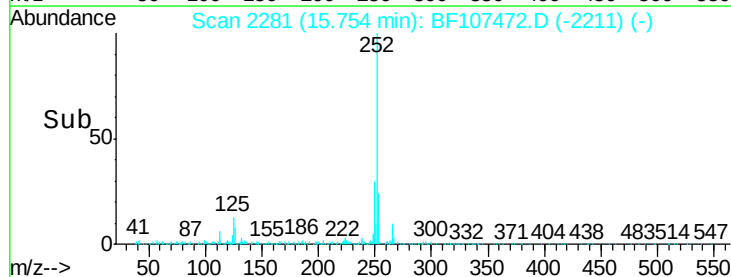
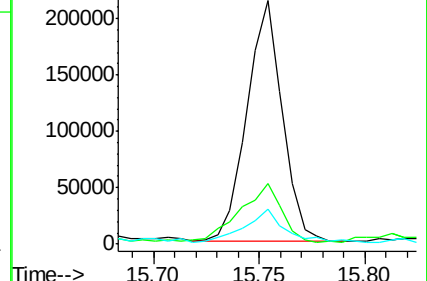
125 14.6 9.8 14.6

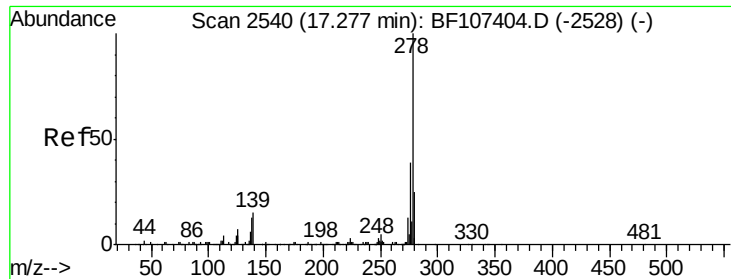


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.478 ng

RT: 17.31 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

Instrument :

BNA_F

ClientSampleId :

SB3-L-12-7

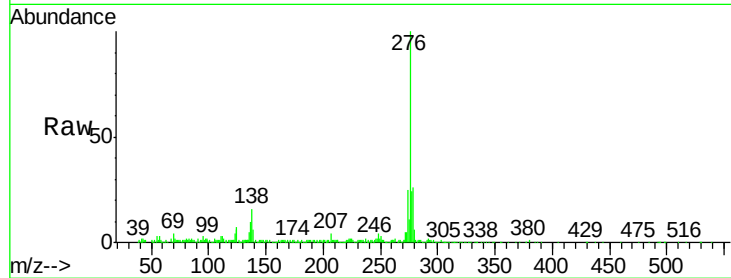
Tgt Ion:278 Resp: 118449

Ion Ratio Lower Upper

278 100

139 23.0 15.9 23.9

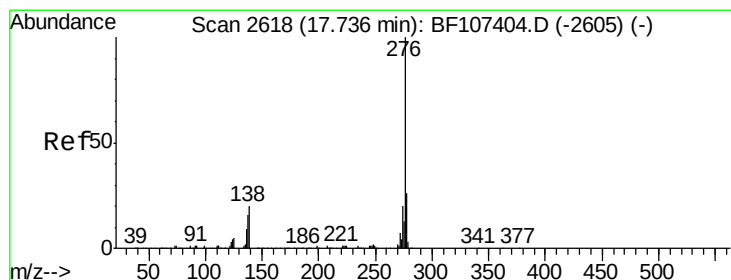
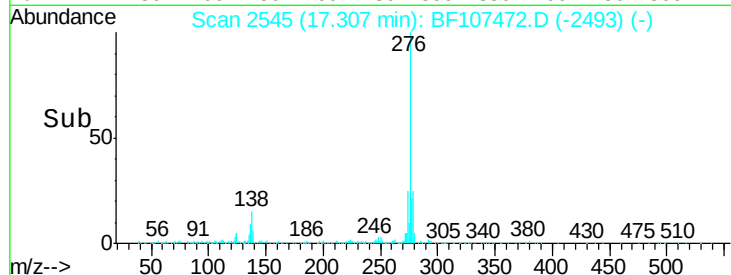
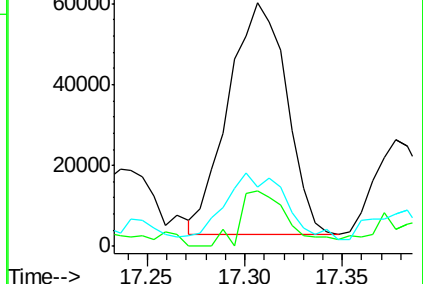
279 24.2 19.0 28.4



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: 31.327 ng

RT: 17.79 min Scan# 2627

Delta R.T. 0.03 min

Lab File: BF107472.D

Acq: 18 Jul 2018 12:54

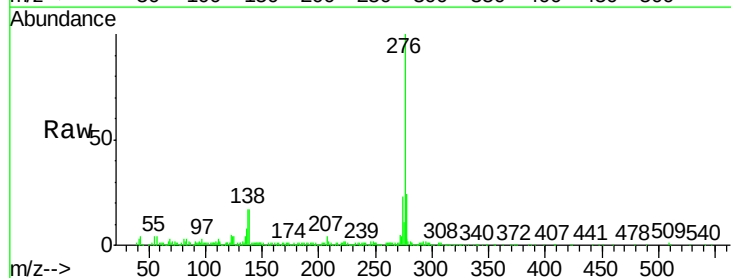
Tgt Ion:276 Resp: 444725

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 17.3 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

