

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097484.D
 Acq On : 8 Aug 2017 22:36
 Operator : SJ/JU
 Sample : I4650-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

Quant Time: Aug 09 01:02:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	108670	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	464993	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	192170	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	286999	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	196892	20.00	ng	-0.01
86) Perylene-d12	14.87	264	179806	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	647694	89.85	ng	0.00
7) Phenol-d6	6.07	99	842671	102.40	ng	-0.01
23) Nitrobenzene-d5	6.98	82	467017	58.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	128433	84.59	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	732140	64.66	ng	0.00
78) Terphenyl-d14	12.49	244	419235	43.41	ng	-0.01

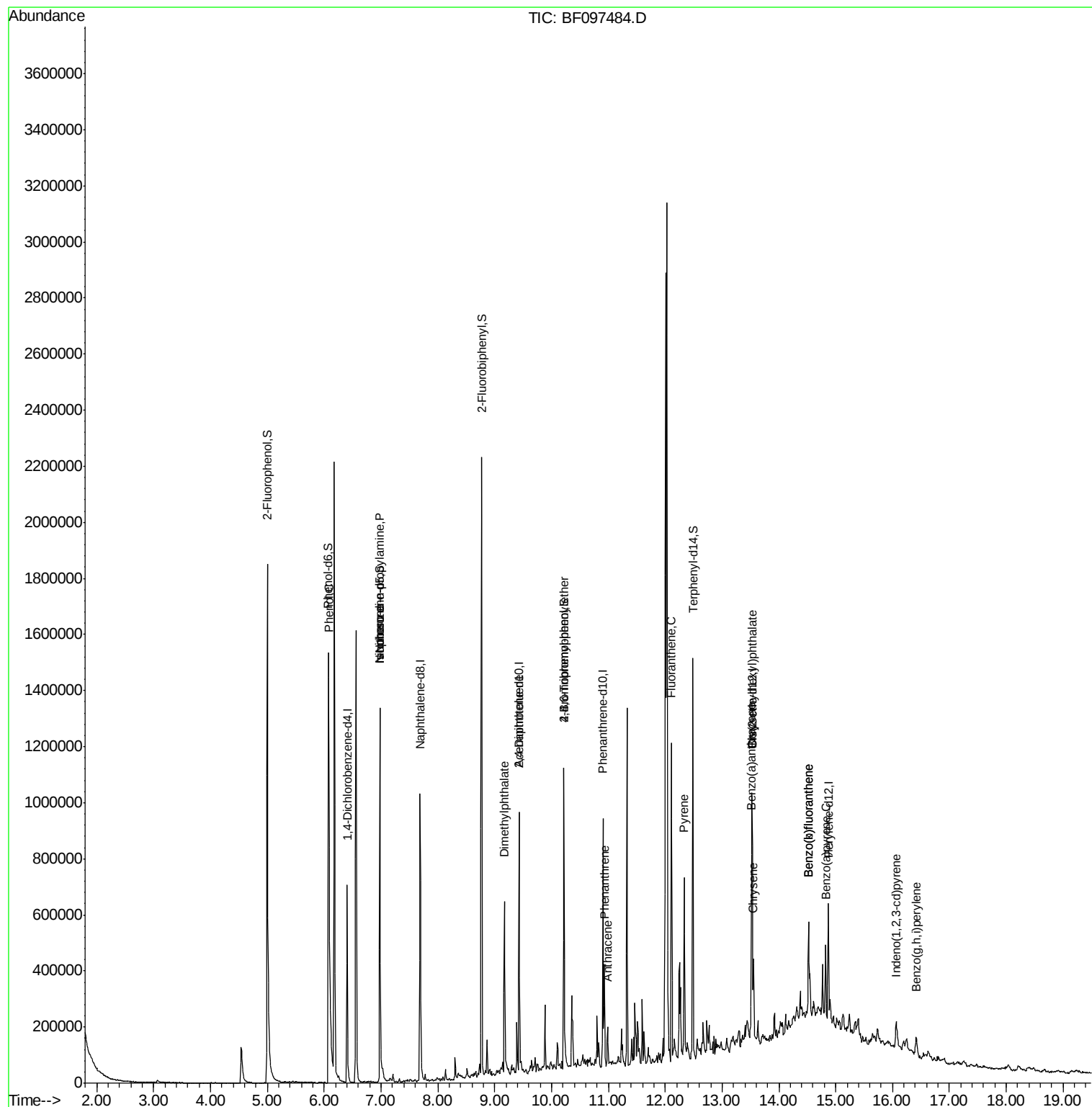
Target Compounds						Qvalue
10) Phenol	6.09	94	29871	3.06	ng	# 17
19) n-Nitroso-di-n-propylamine	6.98	70	63016	11.63	ng	# 88
25) Isophorone	6.98	82	467013	30.09	ng	# 67
49) Dimethylphthalate	9.17	163	219402	15.03	ng	99
56) 2,4-Dinitrotoluene	9.43	165	25012	7.03	ng	# 34
66) 4-Bromophenyl-phenylether	10.22	248	8092	2.83	ng	# 1
70) Phenanthrene	10.93	178	140950	9.17	ng	98
71) Anthracene	10.99	178	48941	3.11	ng	97
74) Fluoranthene	12.11	202	235499	15.63	ng	97
77) Pyrene	12.33	202	248717	15.43	ng	100
80) Benzo(a)anthracene	13.52	228	121776	9.56	ng	97
82) Chrysene	13.56	228	120627	9.70	ng	97
83) Bis(2-ethylhexyl)phthalate	13.53	149	57625	5.38	ng	97
85) Indeno(1,2,3-cd)pyrene	16.07	276	54529	5.11	ng	97
87) Benzo(b)fluoranthene	14.52	252	197138	18.24	ng	# 94
88) Benzo(k)fluoranthene	14.52	252	197138	19.14	ng	99
89) Benzo(a)pyrene	14.82	252	109751	11.09	ng	98
91) Benzo(g,h,i)perylene	16.42	276	52548	6.18	ng	97

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

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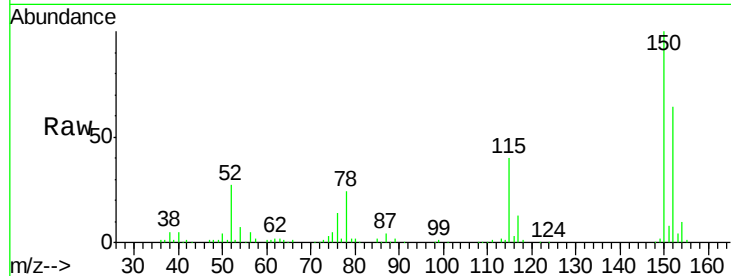


#1

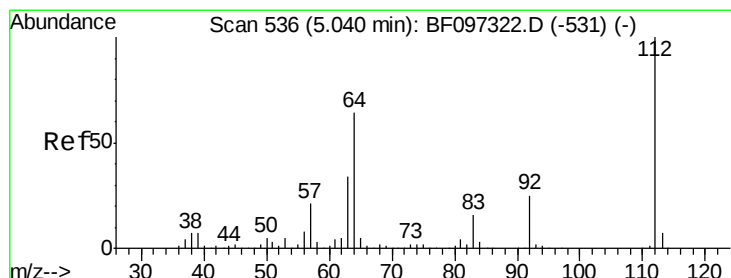
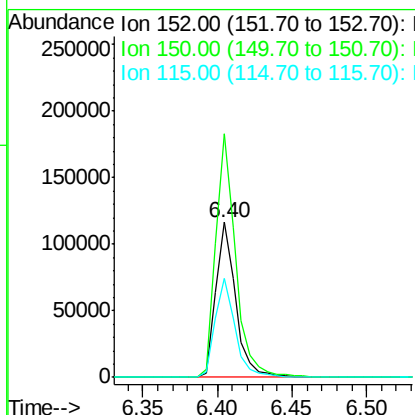
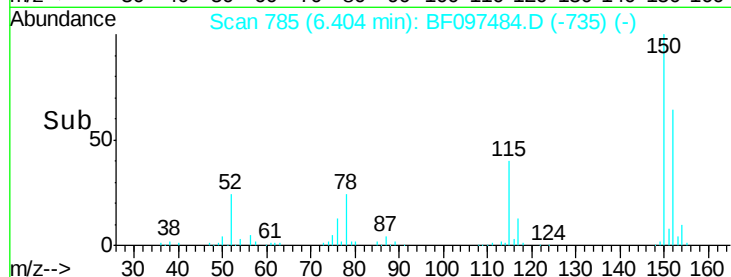
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.40 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	63.5	52.2	78.2



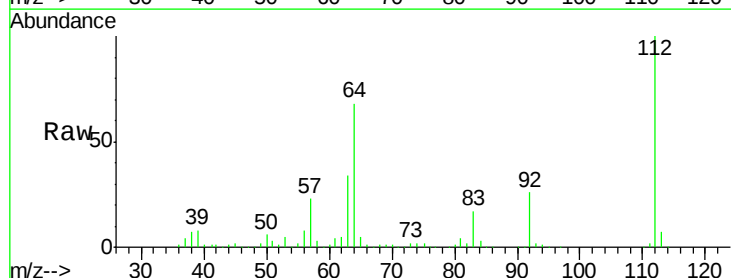
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



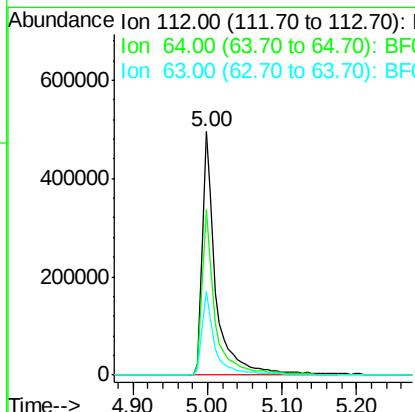
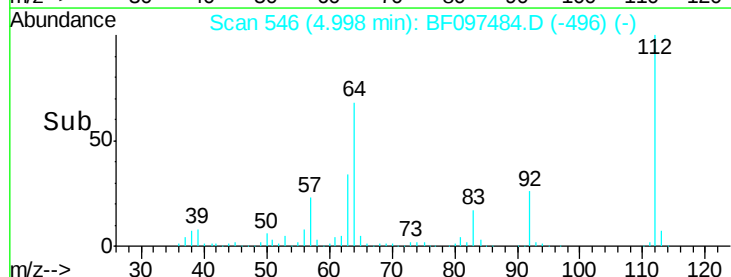
#5

2-Fluorophenol
 Concen: 89.85 ng
 RT: 5.00 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	46.0	69.0
63	34.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.40 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

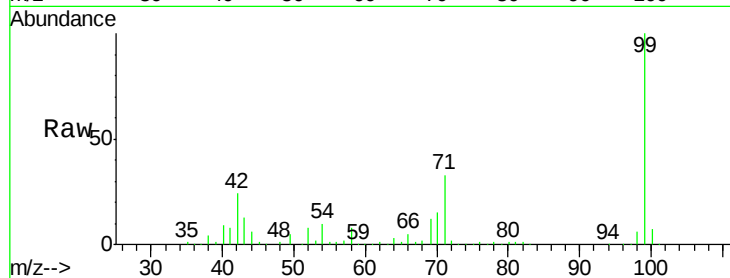
Tot Ion: 99 Resp: 842671

Ion Ratio Lower Upper

99 100

42 24.3 13.5 20.3#

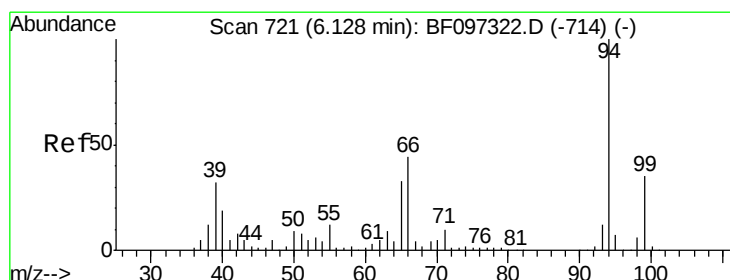
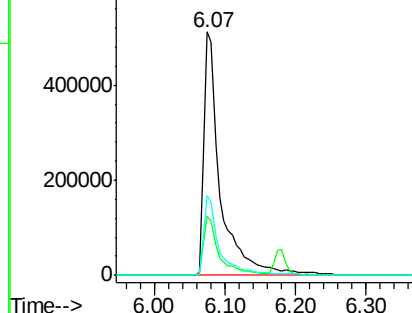
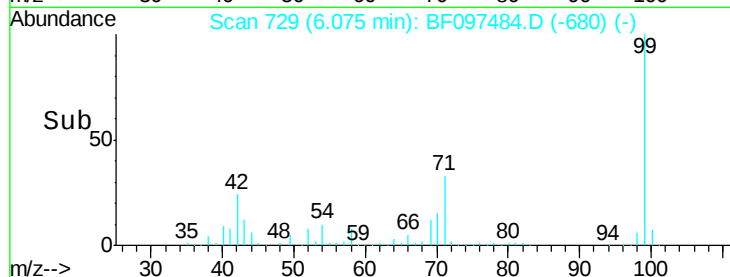
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.06 ng

RT: 6.09 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

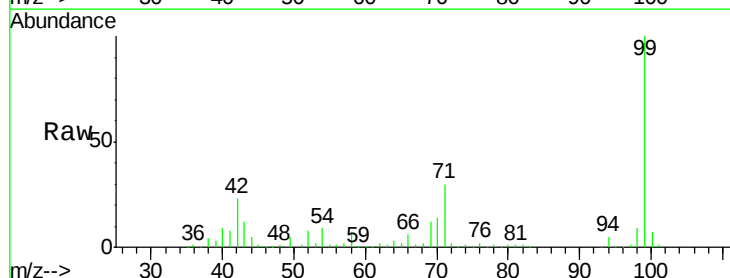
Tgt Ion: 94 Resp: 29871

Ion Ratio Lower Upper

94 100

65 44.3 9.9 49.9

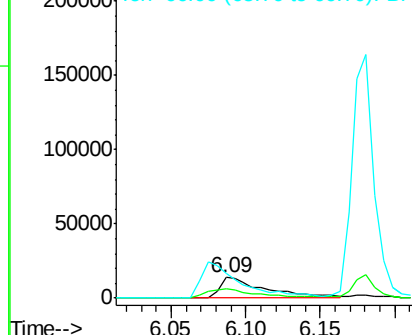
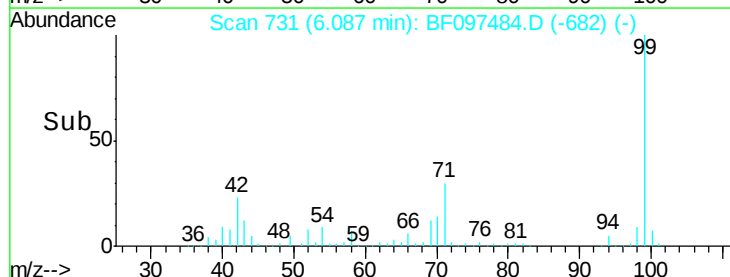
66 121.7 23.1 63.1#

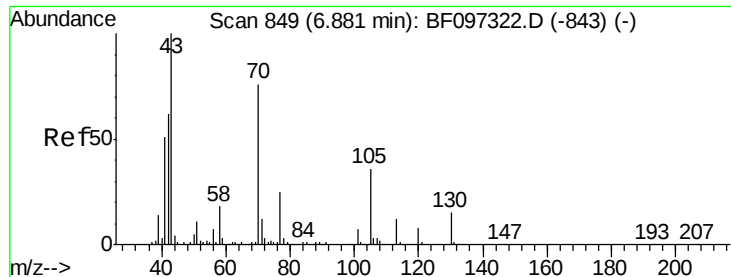


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

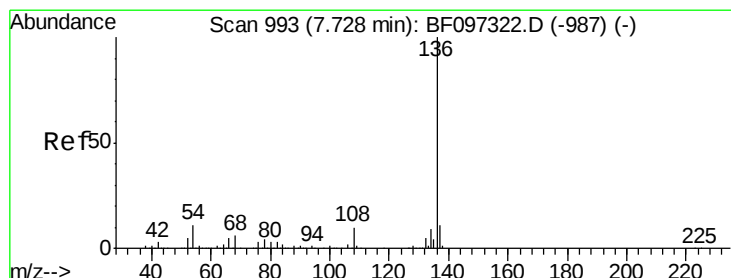
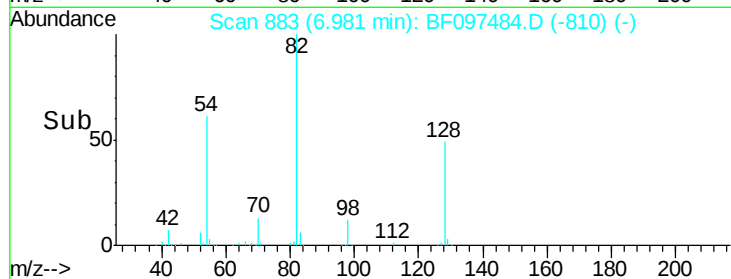
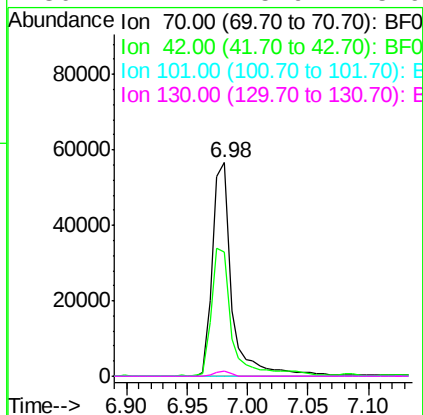
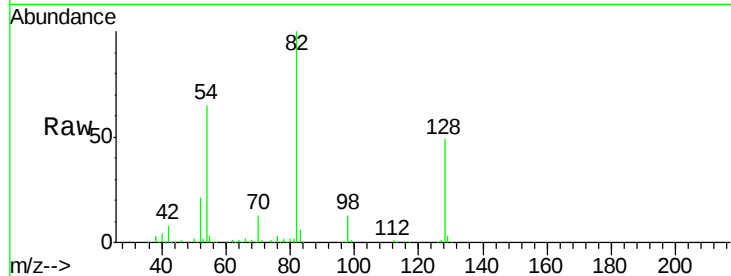




#19
n-Nitroso-di-n-propylamine
Concen: 11.63 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

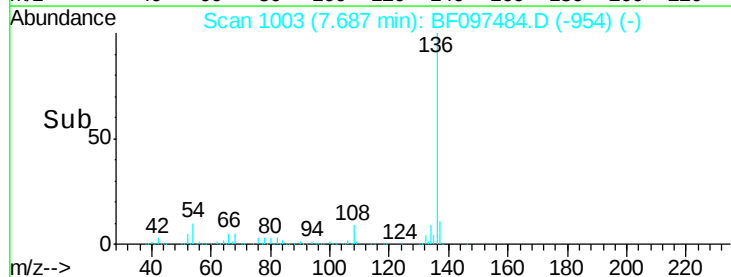
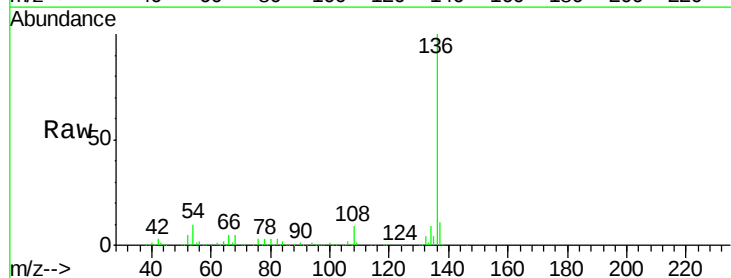
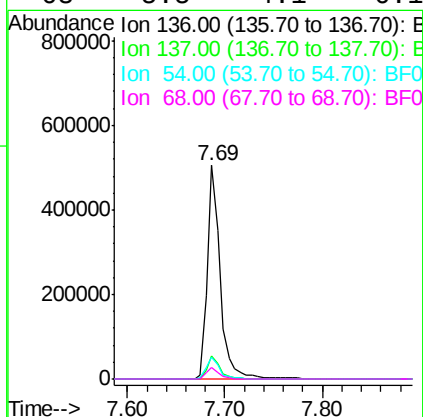
Instrument :
BNA_F
ClientSampleId :
SP-001-A-COMP

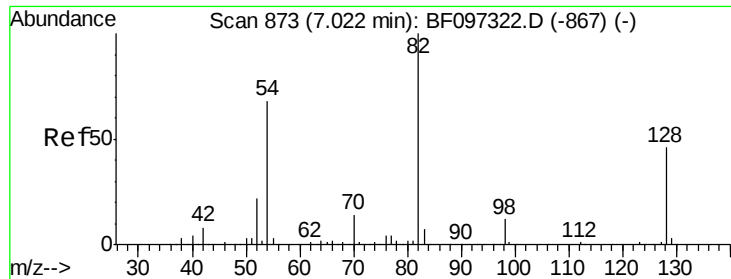
Tot Ion: 70 Resp: 63016
Ion Ratio Lower Upper
70 100
42 57.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

Tgt Ion: 136 Resp: 464993
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.3 4.9 7.3#
68 5.5 4.1 6.1

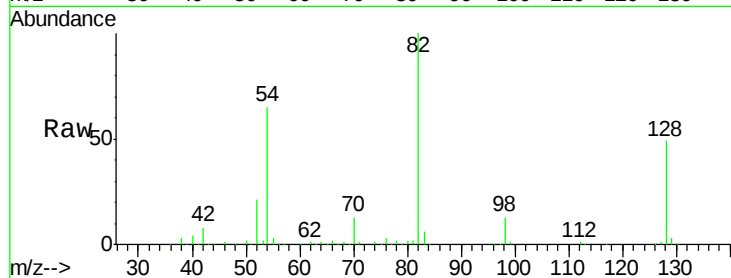




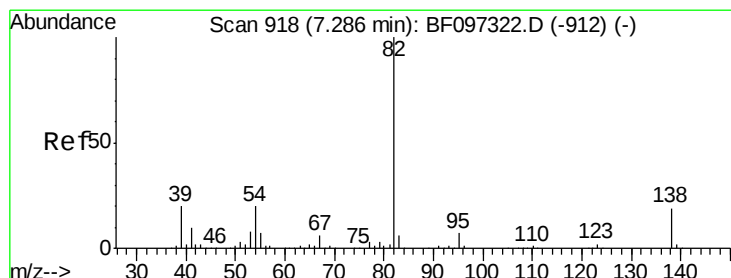
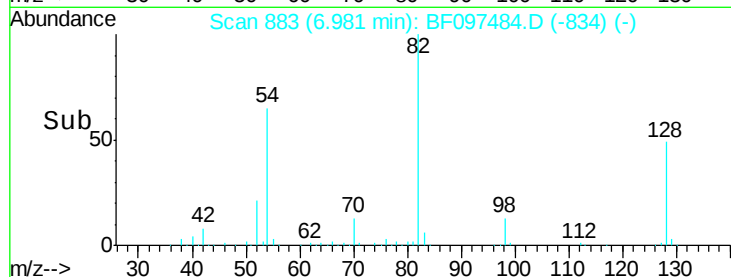
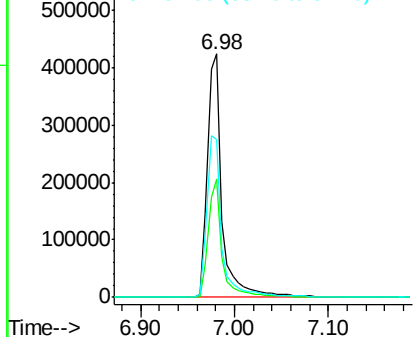
#23
Nitrobenzene-d5
Concen: 58.92 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

Instrument :
BNA_F
ClientSampleId :
SP-001-A-COMP

Tot Ion: 82 Resp: 467017
Ion Ratio Lower Upper
82 100
128 48.7 34.0 51.0
54 64.6 42.2 63.2#

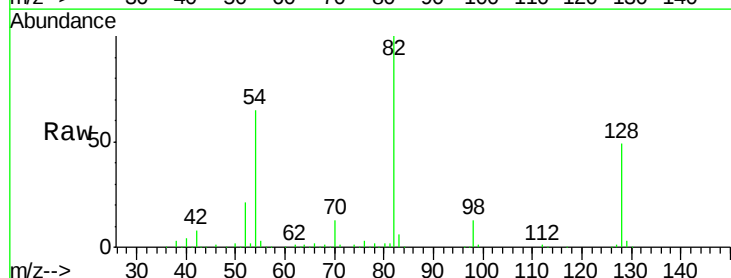


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

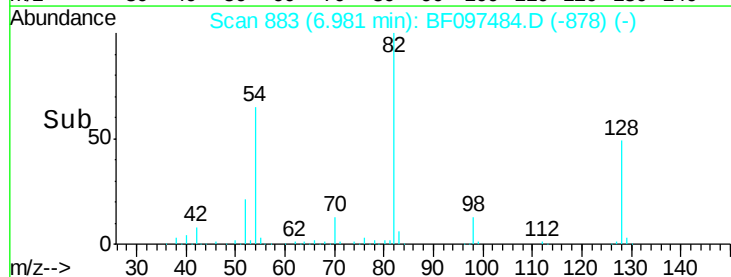
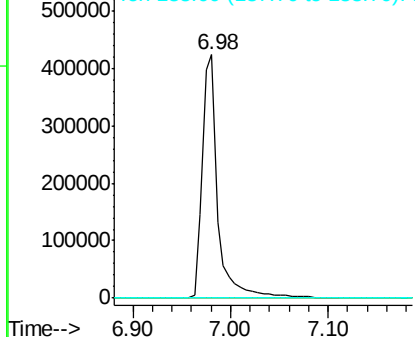


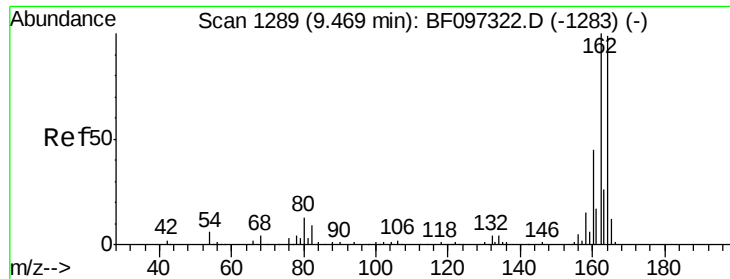
#25
Isophorone
Concen: 30.09 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

Tgt Ion: 82 Resp: 467013
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

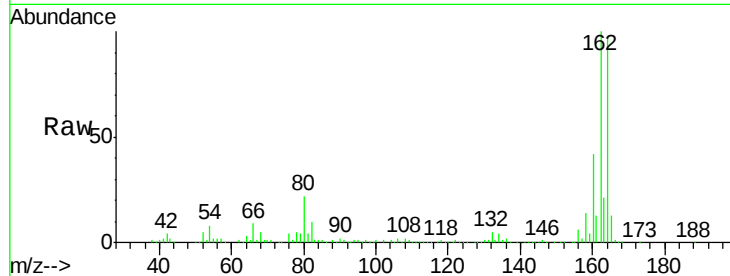
Tot Ion:164 Resp: 192170

Ion Ratio Lower Upper

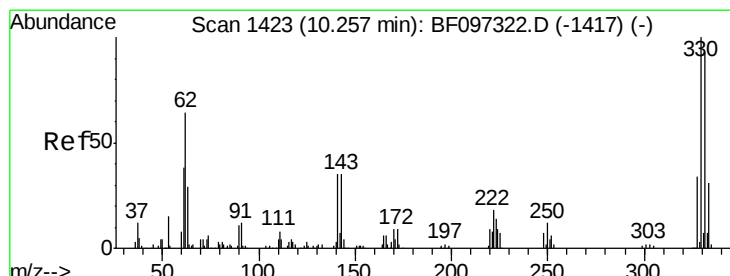
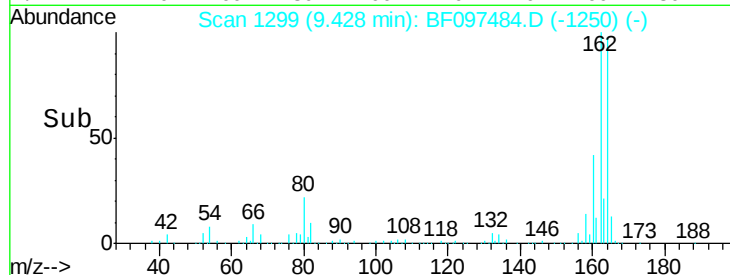
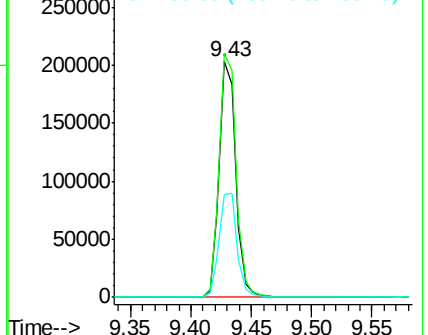
164 100

162 103.3 82.6 123.8

160 43.7 36.2 54.2



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: 84.59 ng

RT: 10.22 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

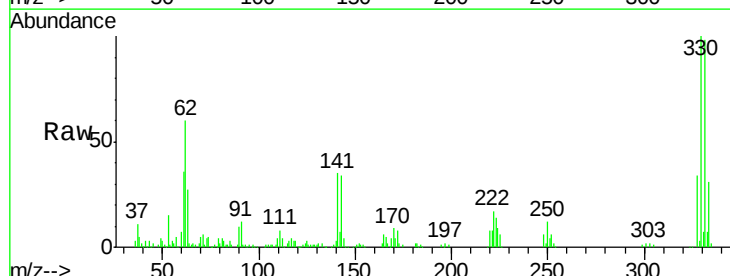
Tgt Ion:330 Resp: 128433

Ion Ratio Lower Upper

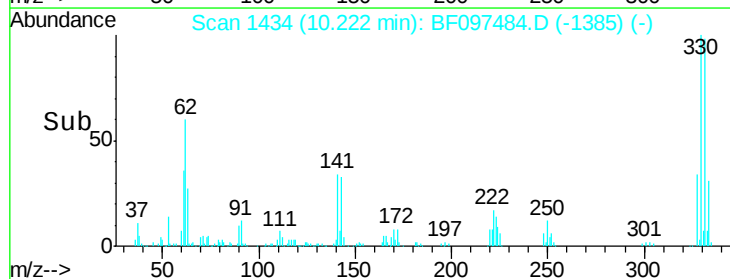
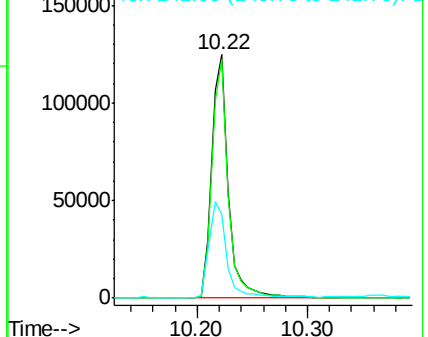
330 100

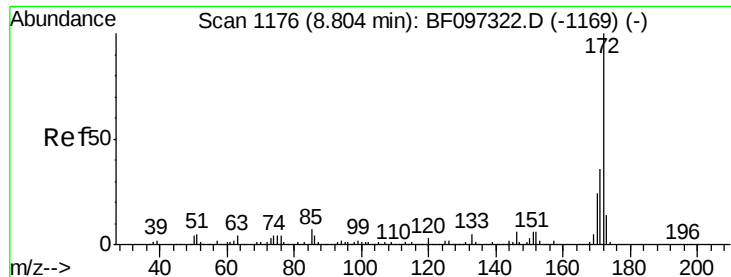
332 96.0 76.6 115.0

141 40.7 31.4 47.2



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

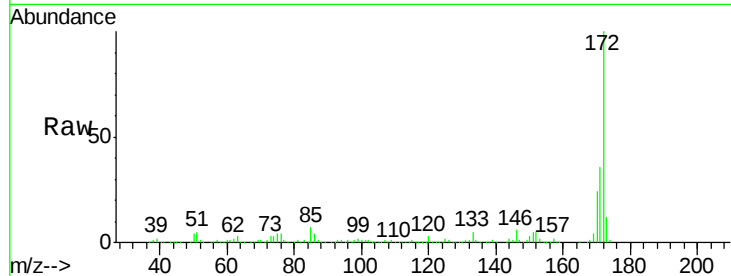




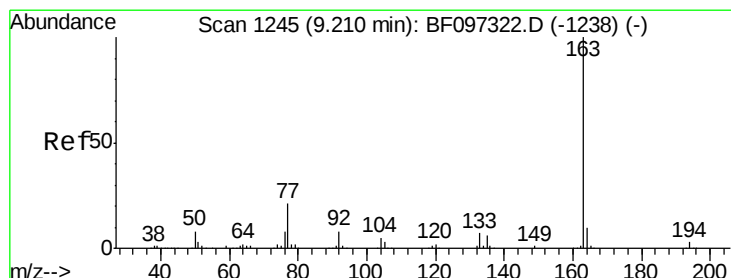
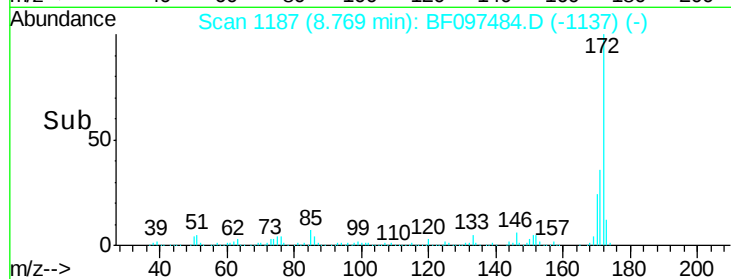
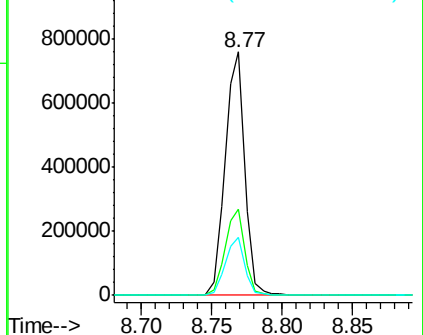
#44
2-Fluorobiphenyl
Concen: 64.66 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

Instrument :
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ClientSampleId :
SP-001-A-COMP

Tot Ion:172 Resp: 732140
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.6 19.8 29.8

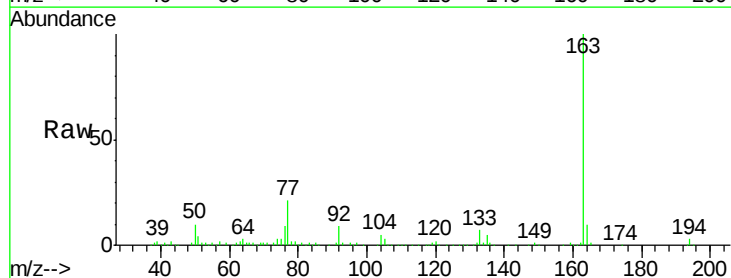


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

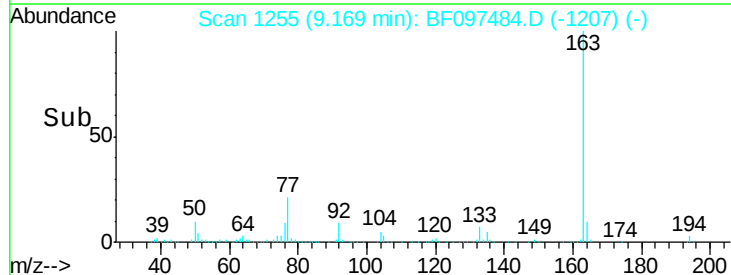
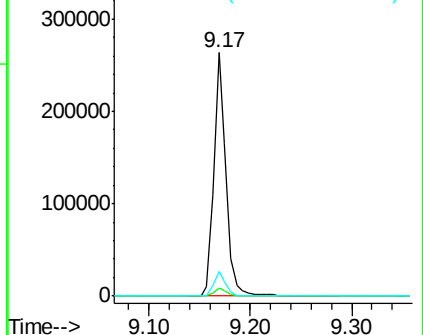


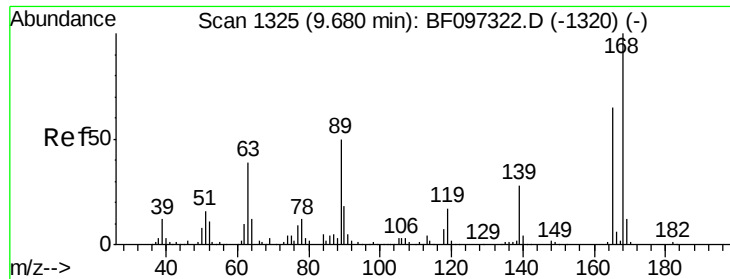
#49
Dimethylphthalate
Concen: 15.03 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097484.D
Acq: 8 Aug 2017 22:36

Tgt Ion:163 Resp: 219402
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.4 12.6



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





#56

2,4-Dinitrotoluene

Concen: 7.03 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.24 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

Tot Ion:165 Resp: 25012

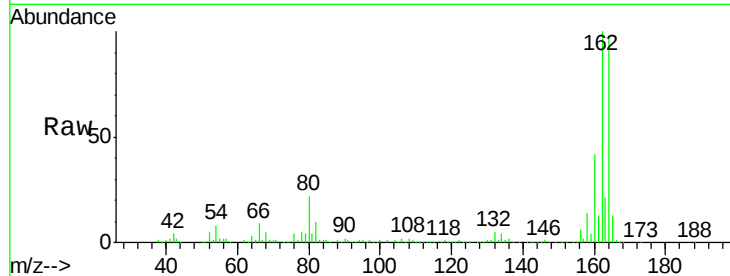
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

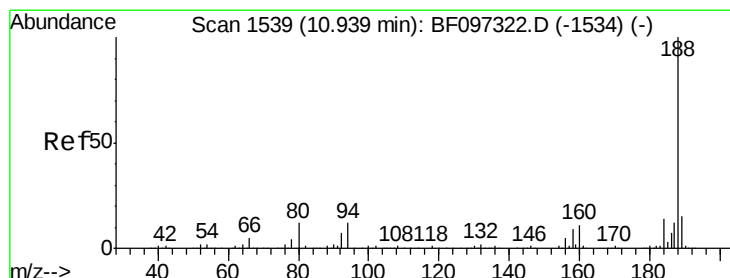
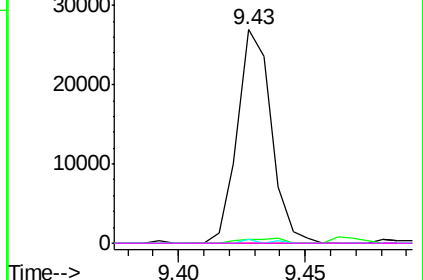
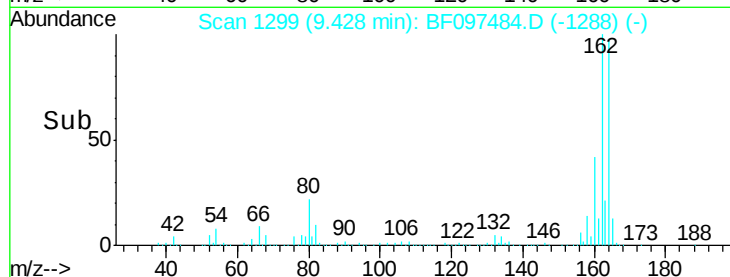


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

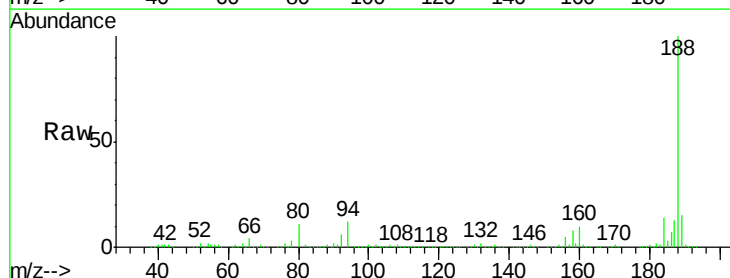
Tgt Ion:188 Resp: 286999

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

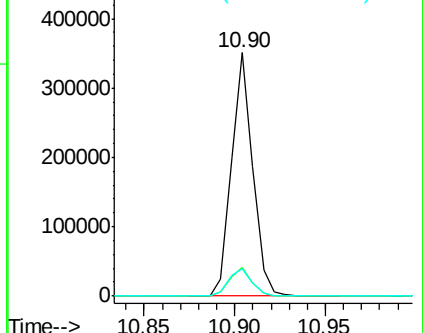
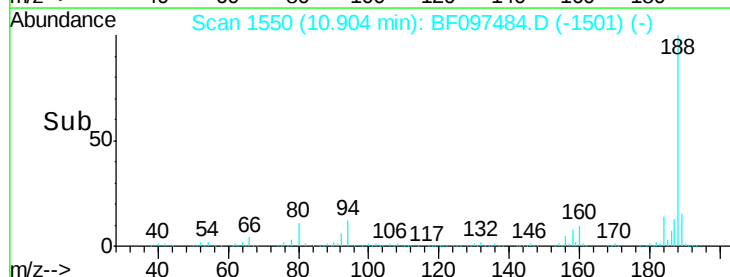
80 11.4 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

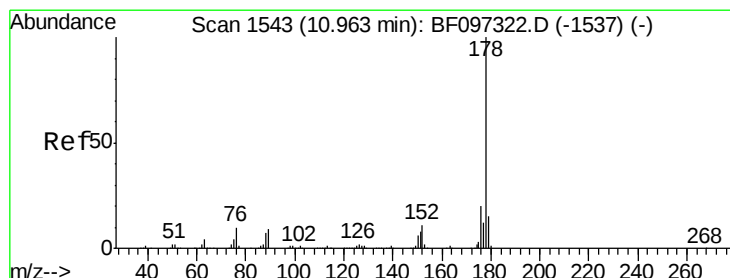
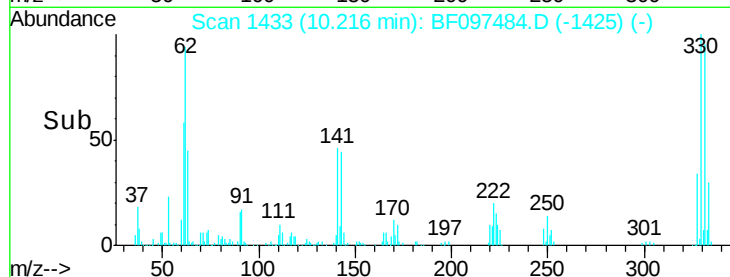
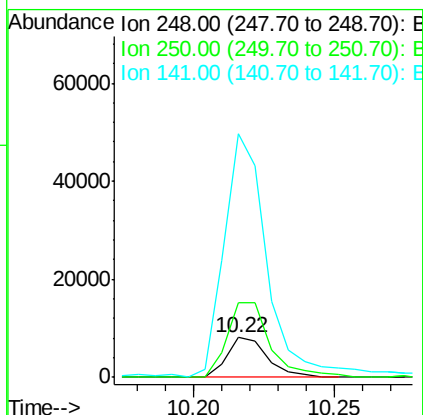
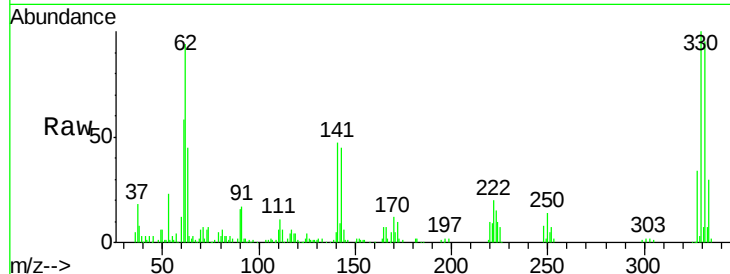




#66
 4-Bromophenyl-phenylether
 Concen: 2.83 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

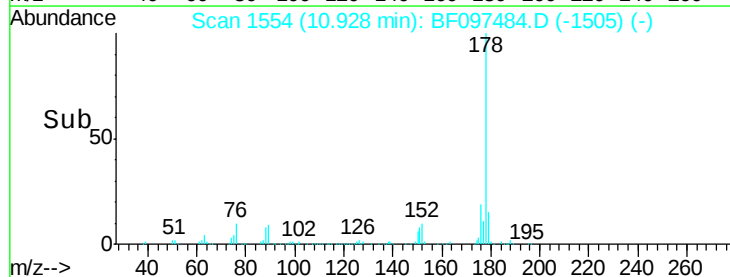
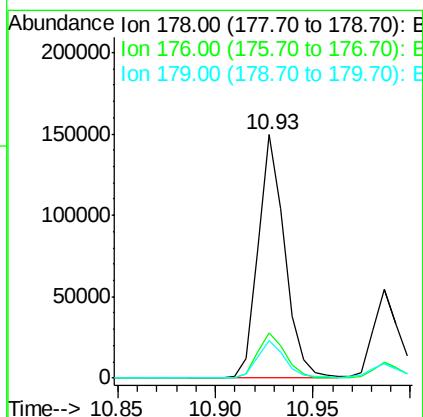
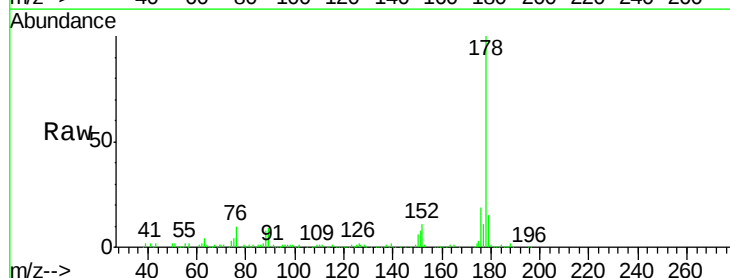
Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

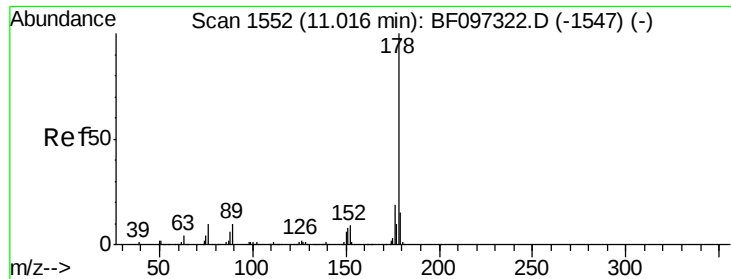
Tot Ion:248 Resp: 8092
 Ion Ratio Lower Upper
 248 100
 250 188.5 76.8 115.2#
 141 609.4 68.6 103.0#



#70
 Phenanthrene
 Concen: 9.17 ng
 RT: 10.93 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Tgt Ion:178 Resp: 140950
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 15.5 12.6 19.0

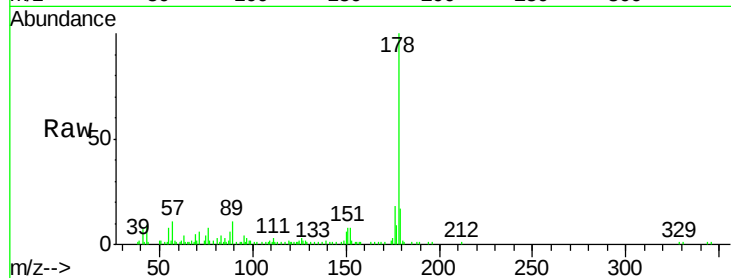




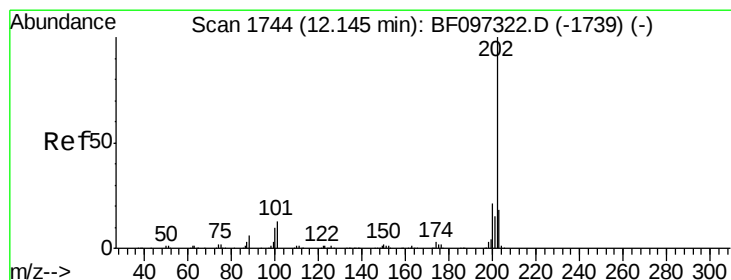
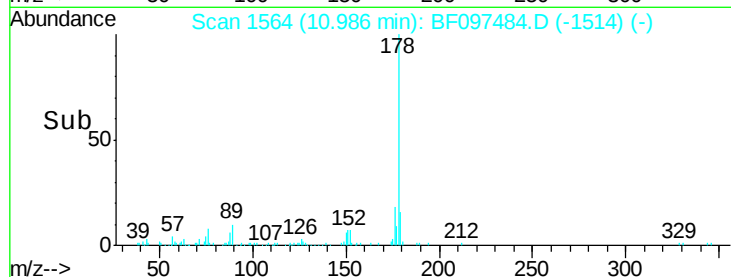
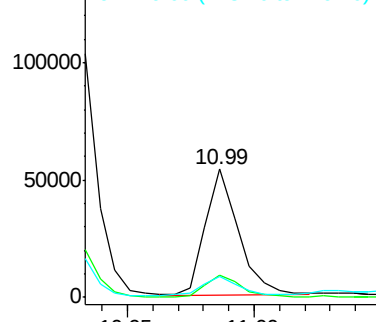
#71
 Anthracene
 Concen: 3.11 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

Tot Ion:178 Resp: 48941
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 16.7 12.7 19.1

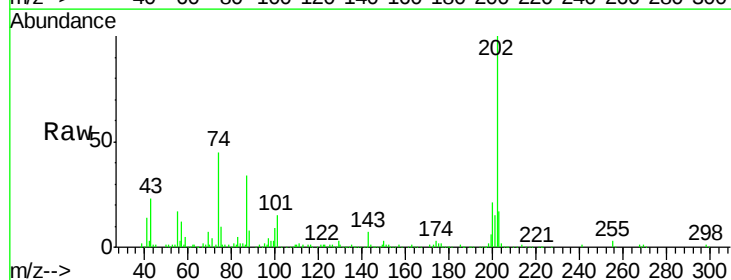


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

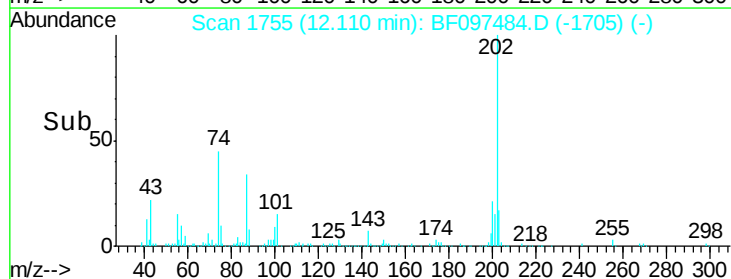
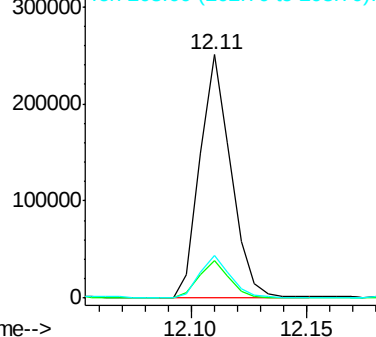


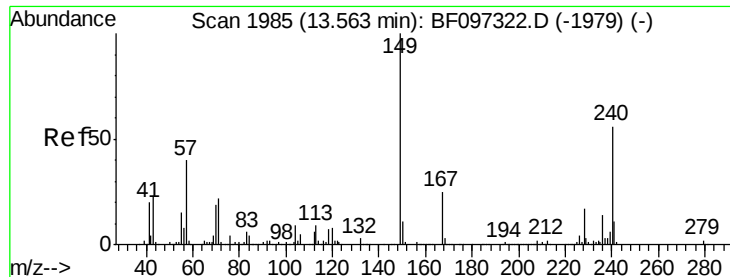
#74
 Fluoranthene
 Concen: 15.63 ng
 RT: 12.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Tgt Ion:202 Resp: 235499
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 33.2
 203 17.5 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: 20.00 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

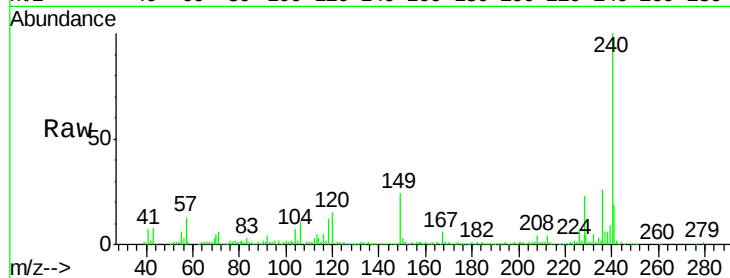
Tot Ion:240 Resp: 196892

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

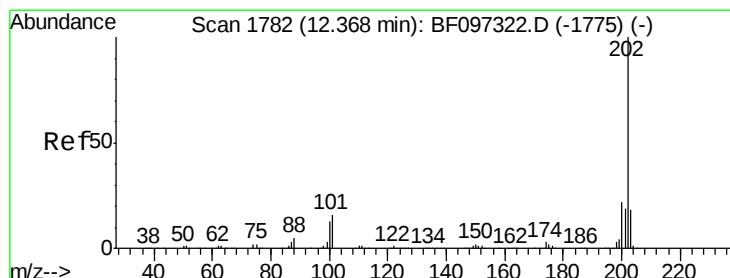
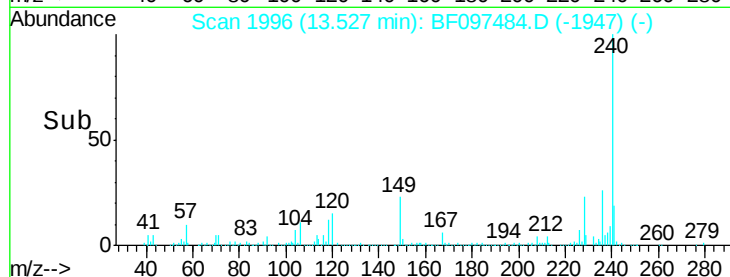
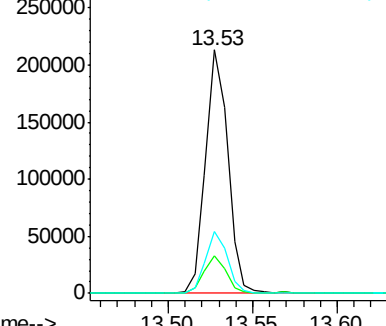
236 25.6 20.5 30.7



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: 15.43 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

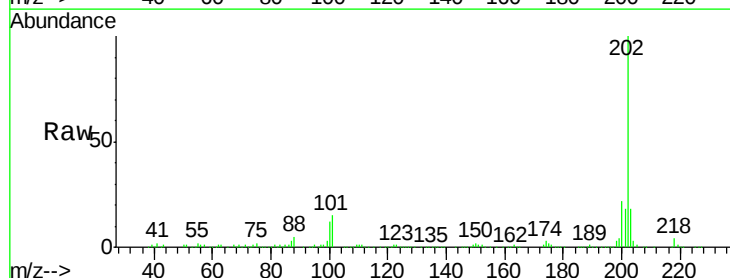
Tgt Ion:202 Resp: 248717

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

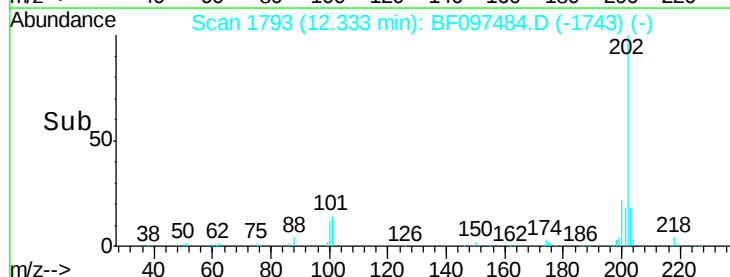
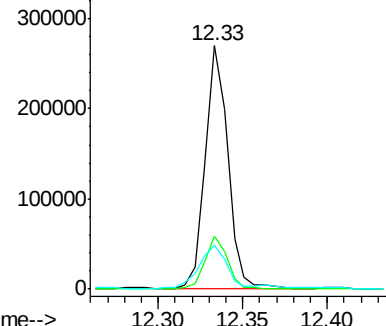
203 18.2 14.4 21.6

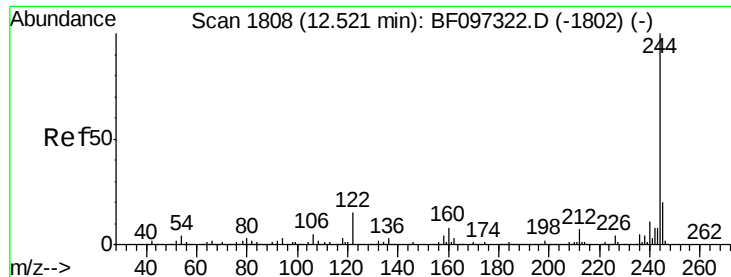


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

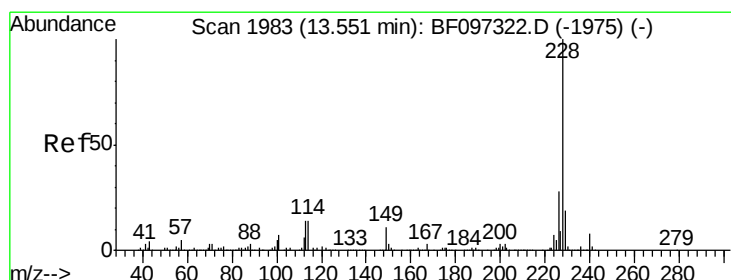
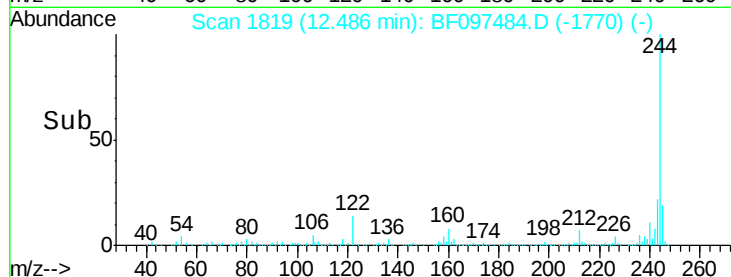
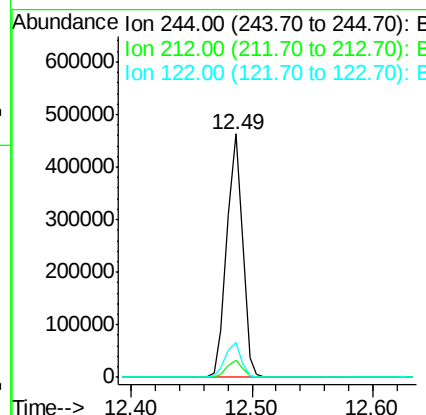
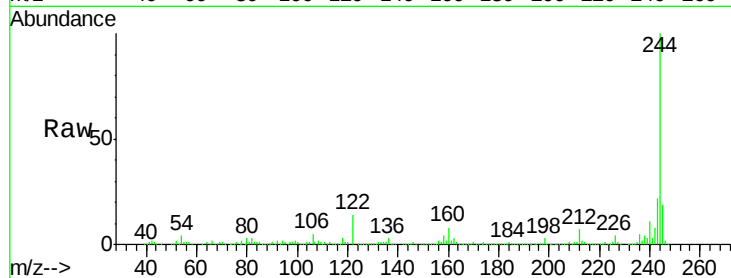




#78
 Terphenyl-d14
 Concen: 43.41 ng
 RT: 12.49 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

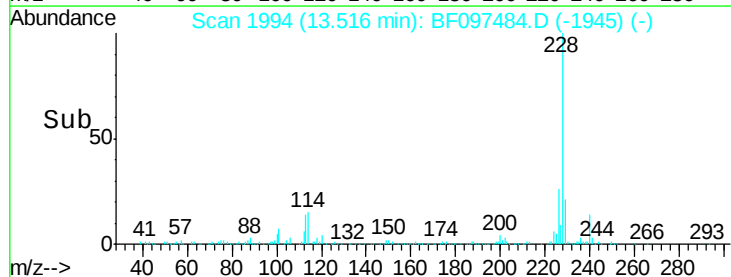
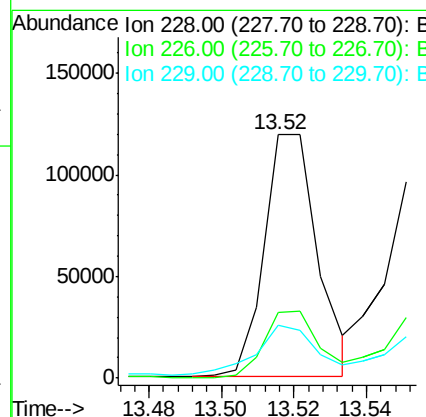
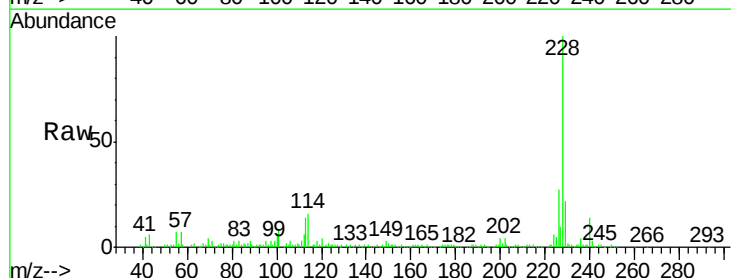
Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

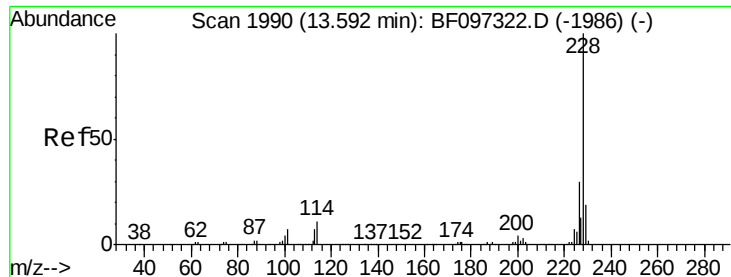
Tot Ion:244 Resp: 419235
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 9.56 ng
 RT: 13.52 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Tgt Ion:228 Resp: 121776
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.6 33.8
 229 21.6 16.3 24.5





#82

Chrysene

Concen: 9.70 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

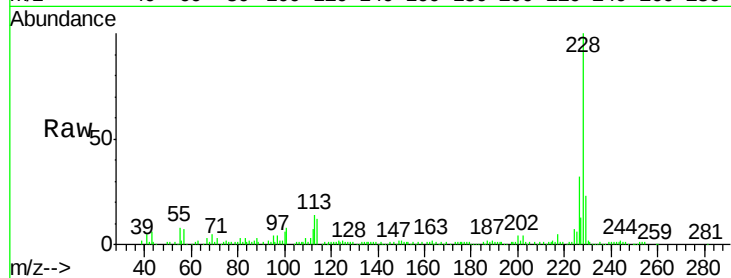
Tot Ion:228 Resp: 120627

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

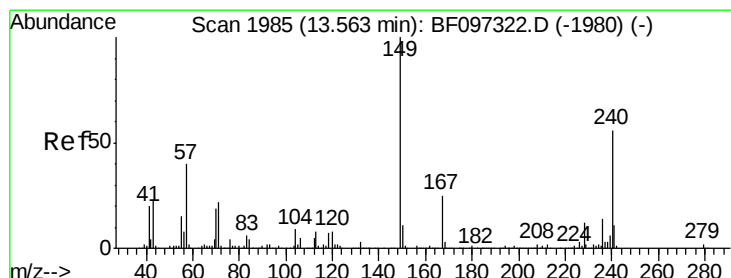
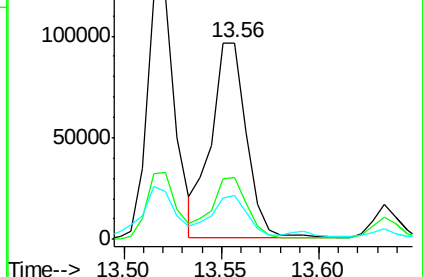
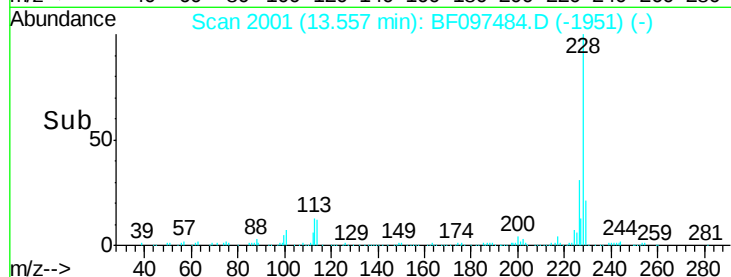
229 22.6 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.38 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

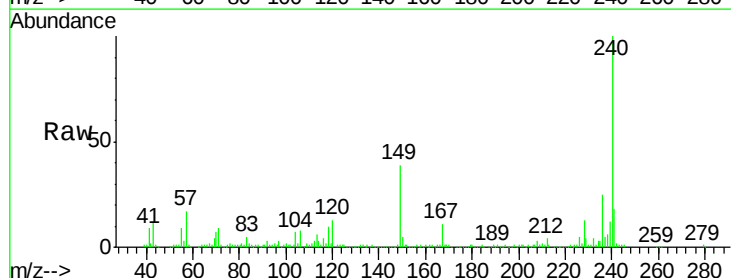
Tgt Ion:149 Resp: 57625

Ion Ratio Lower Upper

149 100

167 28.0 21.0 31.4

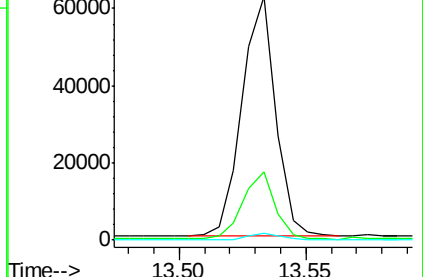
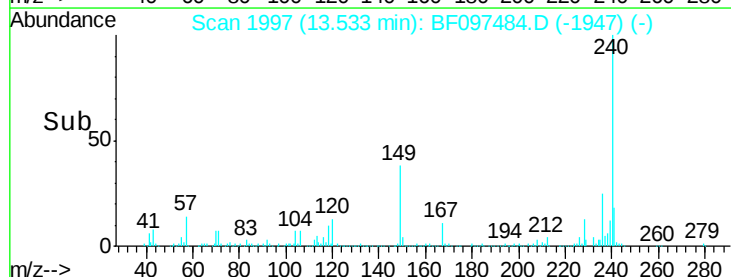
279 2.8 1.9 2.9

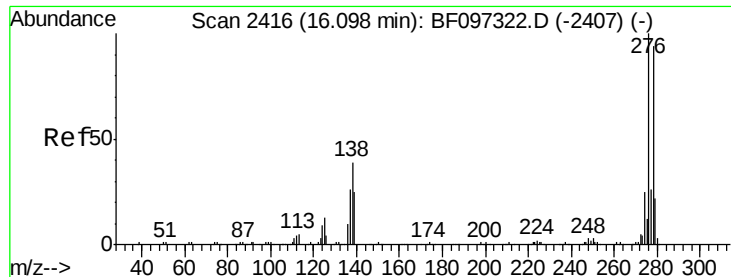


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

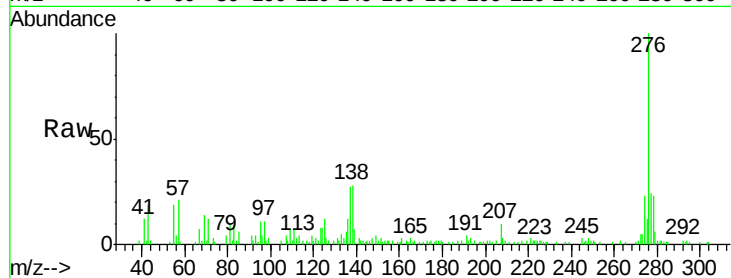




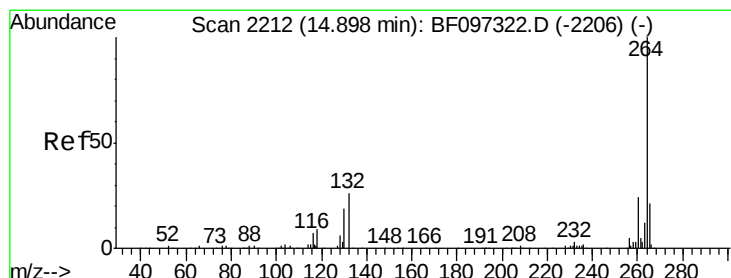
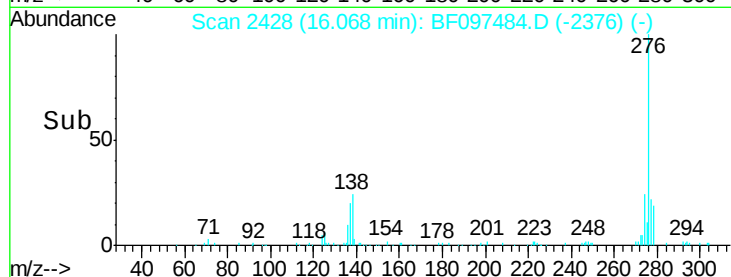
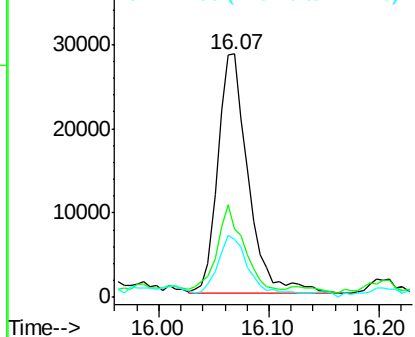
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.11 ng
 RT: 16.07 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-001-A-COMP

Tot Ion:276 Resp: 54529
 Ion Ratio Lower Upper
 276 100
 138 33.7 27.8 41.6
 277 23.0 20.2 30.4

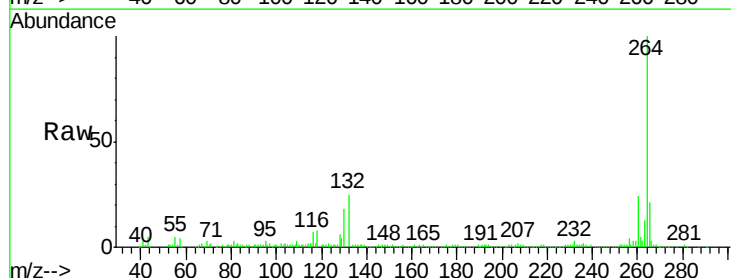


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

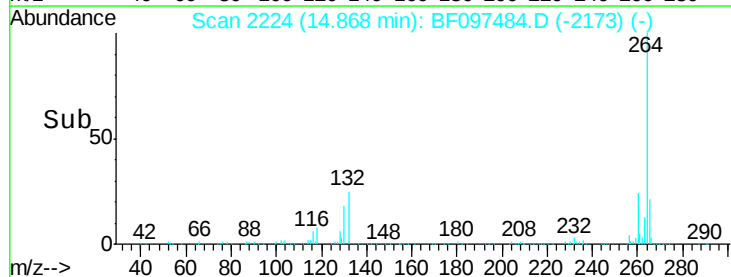
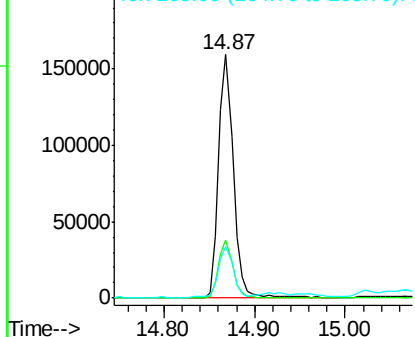


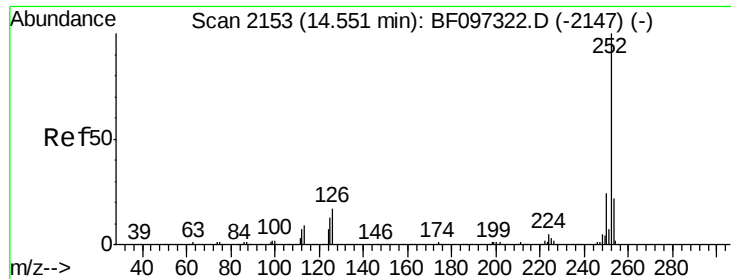
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BF097484.D
 Acq: 8 Aug 2017 22:36

Tgt Ion:264 Resp: 179806
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.24 ng

RT: 14.52 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

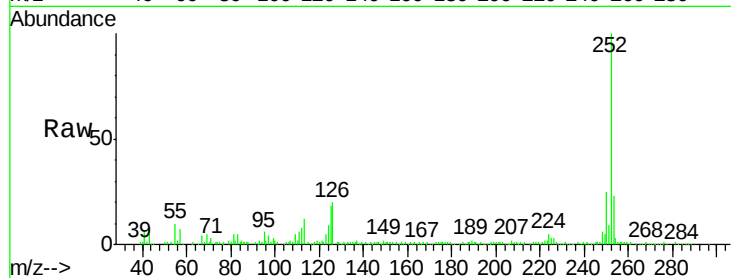
Tot Ion:252 Resp: 197138

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

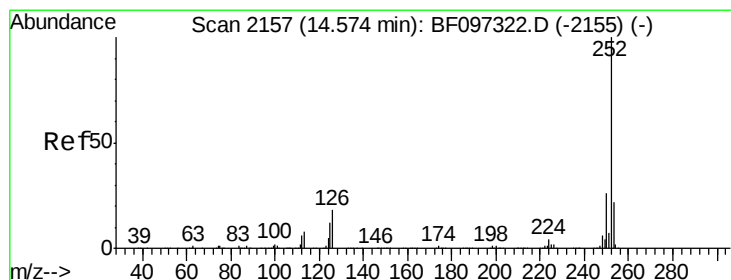
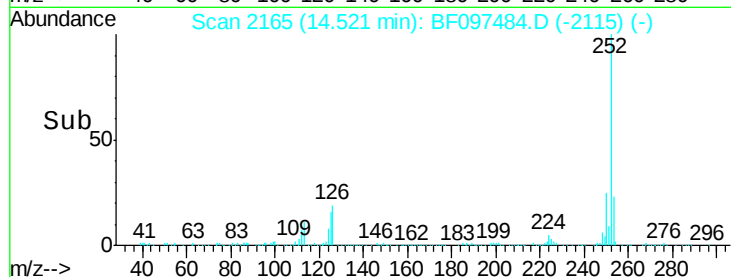
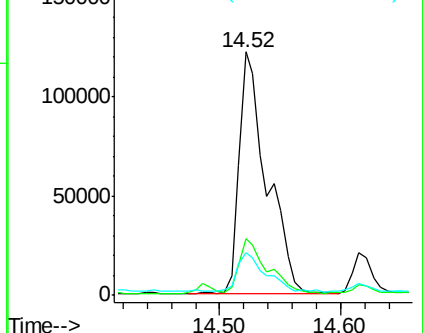
125 17.5 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.14 ng

RT: 14.52 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

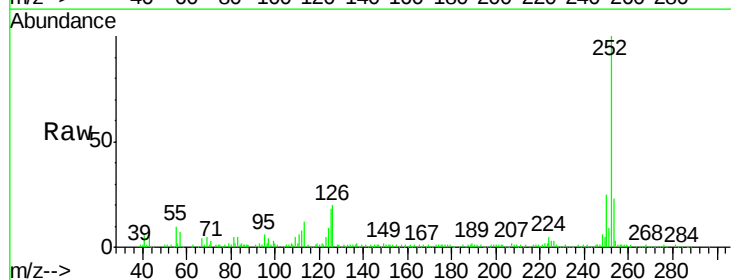
Tgt Ion:252 Resp: 197138

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

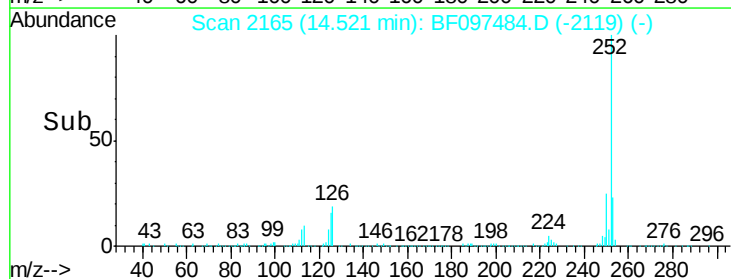
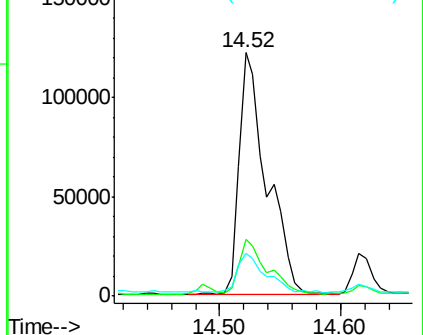
125 17.5 13.1 19.7

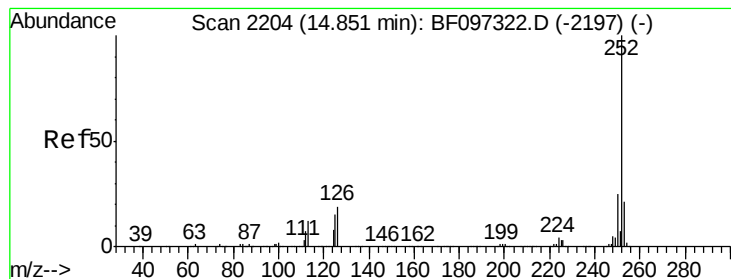


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.09 ng

RT: 14.82 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

Instrument :

BNA_F

ClientSampleId :

SP-001-A-COMP

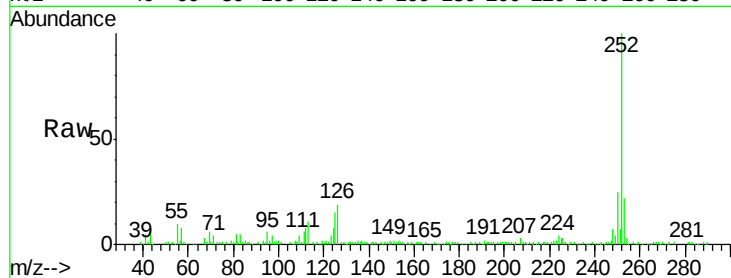
Tot Ion:252 Resp: 109751

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

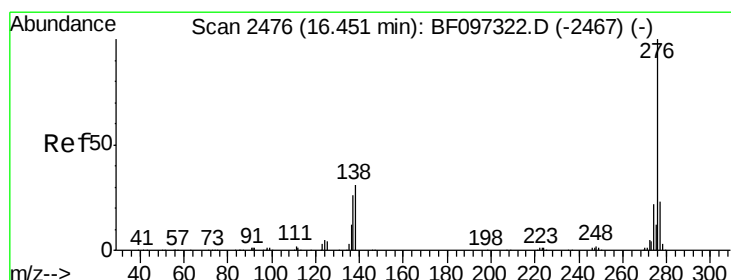
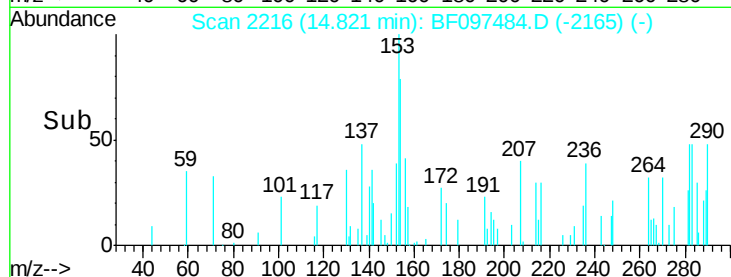
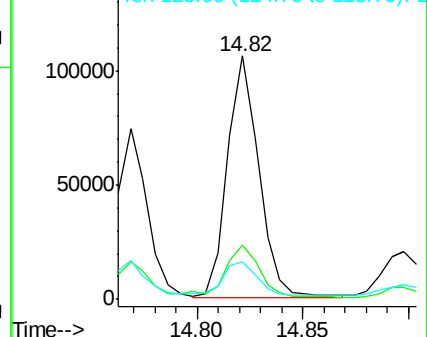
125 15.2 11.0 16.4



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: 6.18 ng

RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097484.D

Acq: 8 Aug 2017 22:36

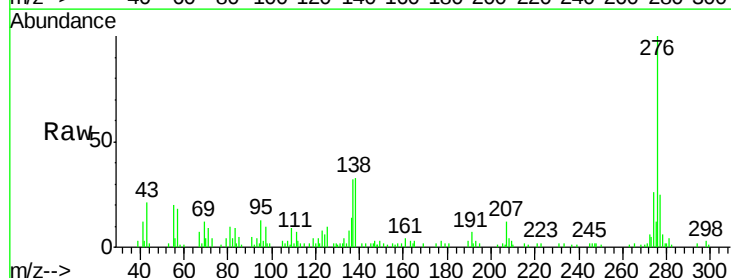
Tgt Ion:276 Resp: 52548

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 32.7 25.4 38.0



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

