

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE111218\
 Data File : BE098203.D
 Acq On : 12 Nov 2018 23:47
 Operator : SJ/JU
 Sample : J5864-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2

Quant Time: Nov 13 03:51:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1014	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5112	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3521	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8264	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9212	0.40	ng	0.00
34) Perylene-d12	24.01	264	8887	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	14	0.00	ng	0.02
5) Phenol-d6	7.05	99	21	0.00	ng	0.00
8) Nitrobenzene-d5	9.03	82	32	0.01	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	89	0.01	ng	-0.03
14) 2,4,6-Tribromophenol	16.03	330	17	0.01	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	70	0.00	ng	0.01
25) Fluoranthene-d10	19.32	212	20	0.00	ng	0.00
29) Terphenyl-d14	19.91	244	101	0.00	ng	0.00

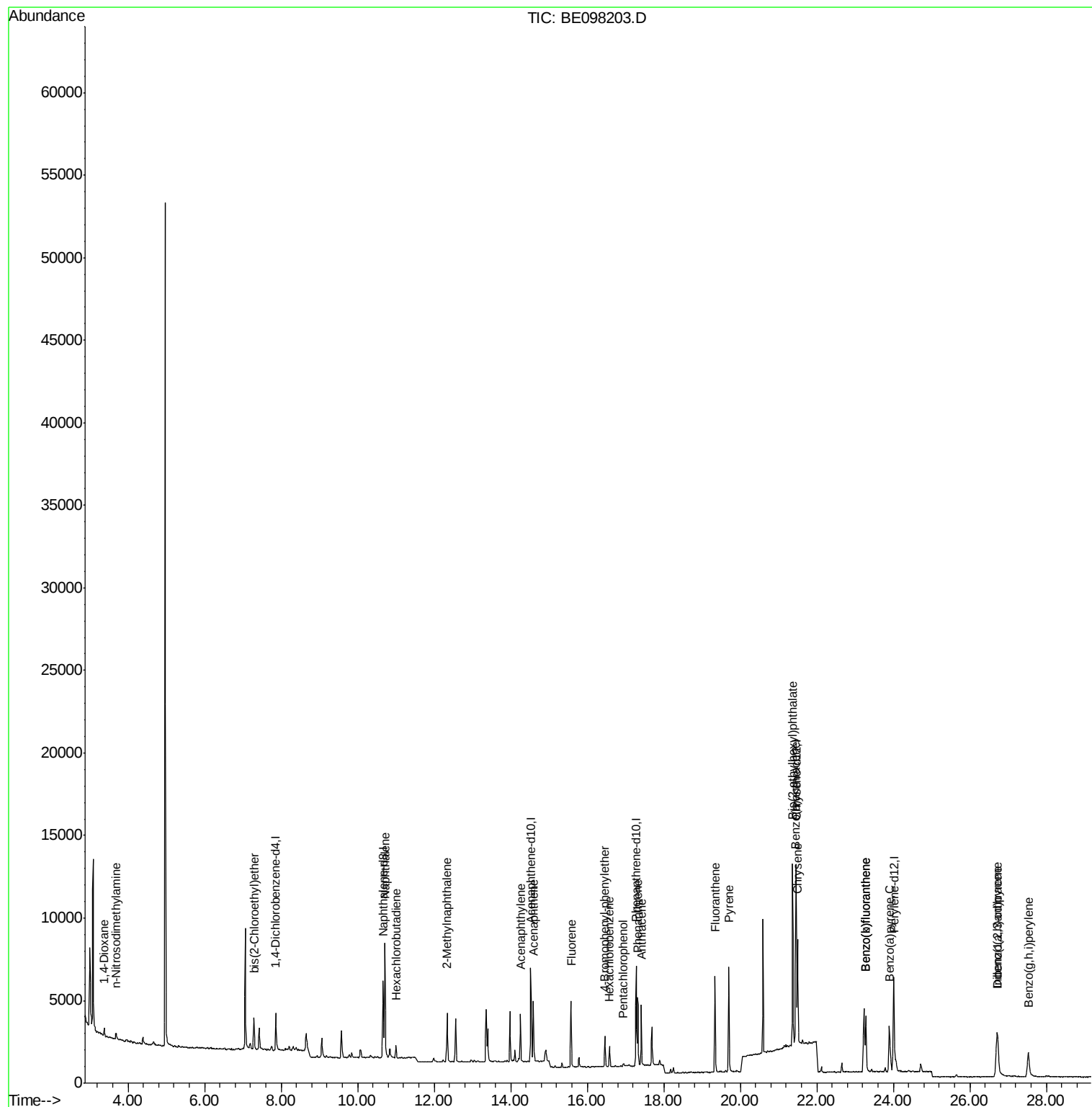
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	272	0.176	ng	84
3) n-Nitrosodimethylamine	3.68	42	379	0.190	ng	# 20
6) bis(2-Chloroethyl)ether	7.29	93	720	0.194	ng	100
9) Naphthalene	10.72	128	11575	0.223	ng	99
10) Hexachlorobutadiene	11.00	225	550	0.170	ng	97
12) 2-Methylnaphthalene	12.34	142	2099	0.233	ng	95
16) Acenaphthylene	14.25	152	3426	0.212	ng	99
17) Acenaphthene	14.60	154	2022	0.205	ng	99
18) Fluorene	15.58	166	2684	0.213	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	978	0.194	ng	94
21) Hexachlorobenzene	16.58	284	969	0.185	ng	98
22) Pentachlorophenol	16.94	266	128	0.189	ng	# 87
23) Phenanthrene	17.32	178	4762	0.231	ng	100
24) Anthracene	17.41	178	4129	0.215	ng	99
26) Fluoranthene	19.34	202	5710	0.224	ng	100
28) Pyrene	19.70	202	6044	0.238	ng	99
30) Benzo(a)anthracene	21.45	228	5920	0.226	ng	98
31) Chrysene	21.50	228	5649	0.213	ng	96
32) Bis(2-ethylhexyl)phthalate	21.37	149	12376	0.228	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	4875	0.200	ng	# 90
35) Benzo(b)fluoranthene	23.28	252	5083	0.202	ng	99
36) Benzo(k)fluoranthene	23.28	252	5083	0.191	ng	# 96
37) Benzo(a)pyrene	23.89	252	5071	0.210	ng	# 91
38) Dibenzo(a,h)anthracene	26.72	278	3836	0.186	ng	97
39) Benzo(g,h,i)perylene	27.53	276	4131	0.192	ng	# 94

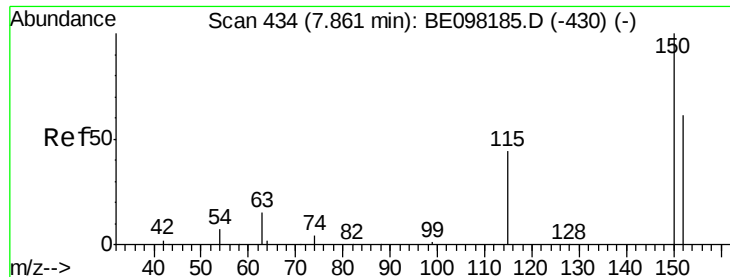
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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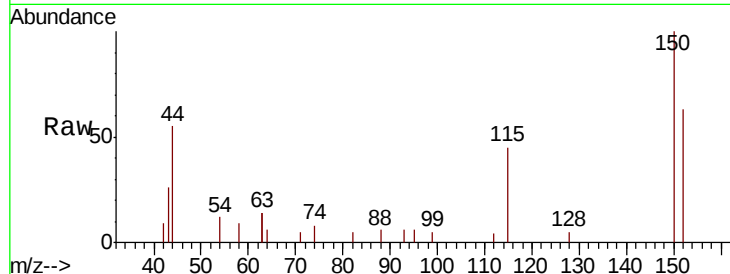


#1

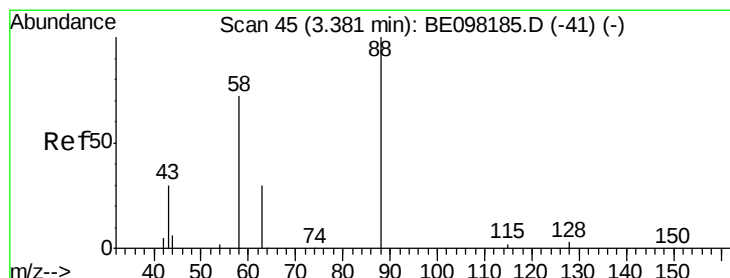
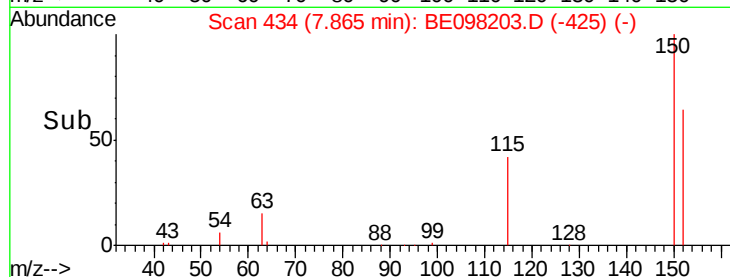
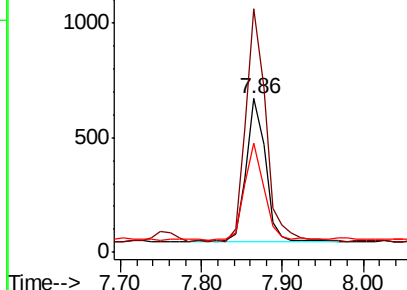
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2

Tgt Ion: 152 Resp: 1014
Ion Ratio Lower Upper
152 100
150 158.4 127.5 191.3
115 70.6 60.3 90.5



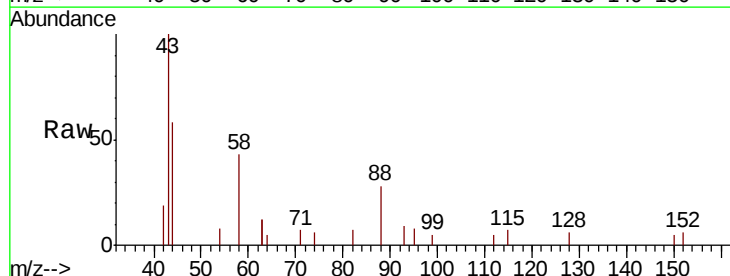
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



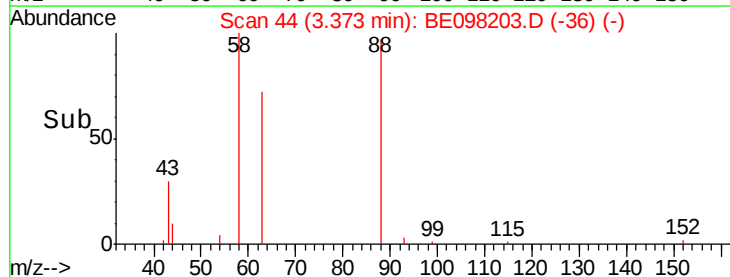
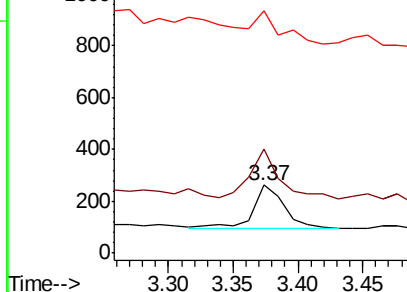
#2

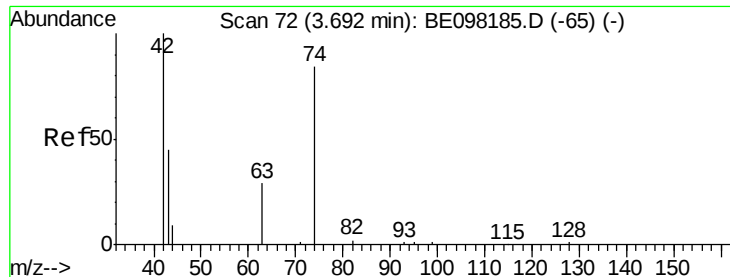
1,4-Dioxane
Concen: 0.176 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Tgt Ion: 88 Resp: 272
Ion Ratio Lower Upper
88 100
58 116.2 79.0 118.4
43 57.0 38.1 57.1



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.190 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

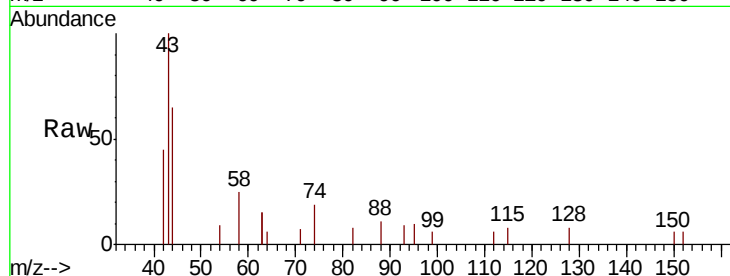
Tgt Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

74 0.0 61.7 92.5#

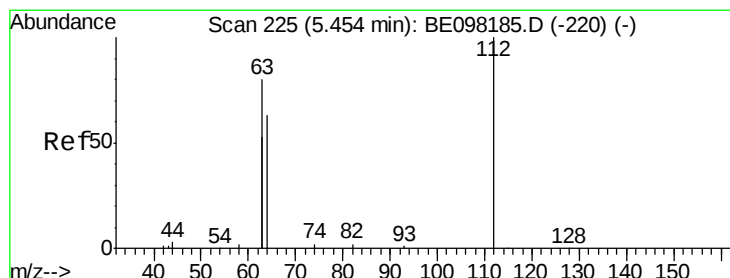
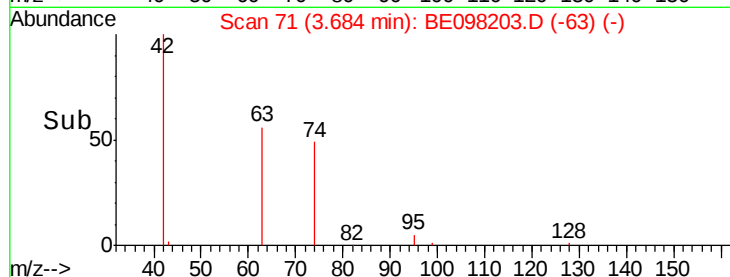
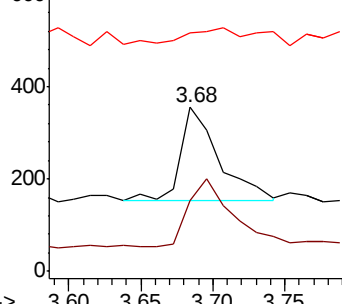
44 0.0 14.0 21.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.005 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.02 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

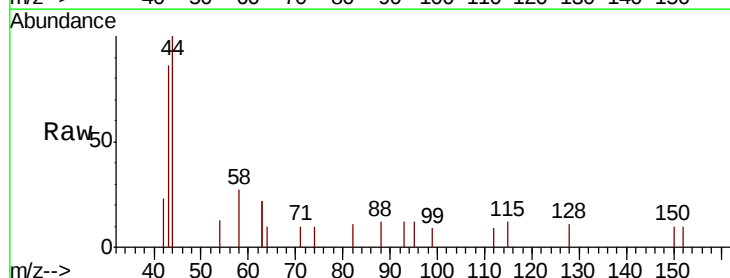
Tgt Ion: 112 Resp: 14

Ion Ratio Lower Upper

112 100

64 0.0 61.7 92.5#

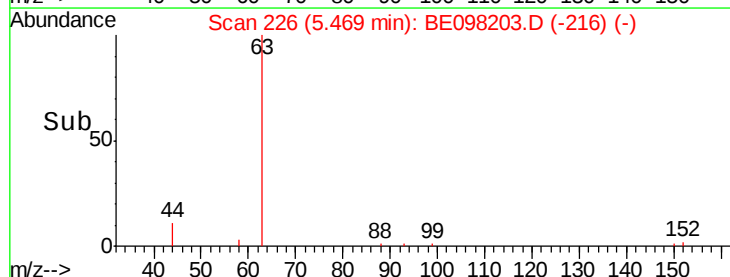
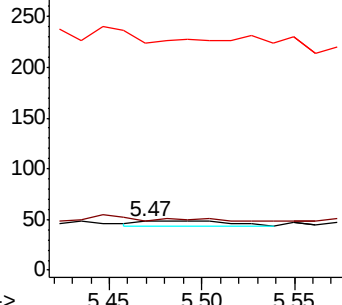
63 0.0 136.2 204.2#

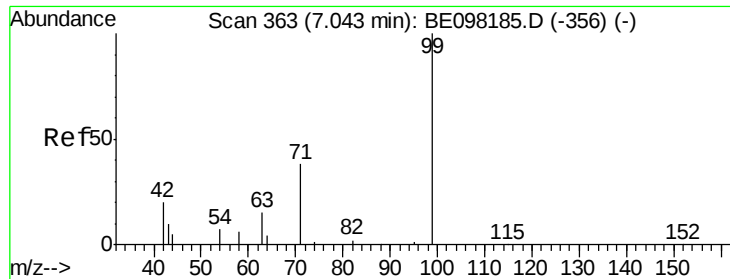


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.005 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

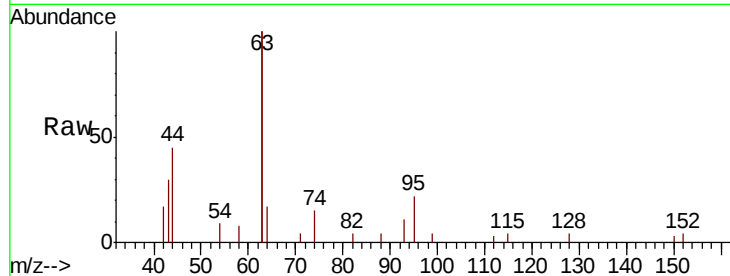
Tgt Ion: 99 Resp: 21

Ion Ratio Lower Upper

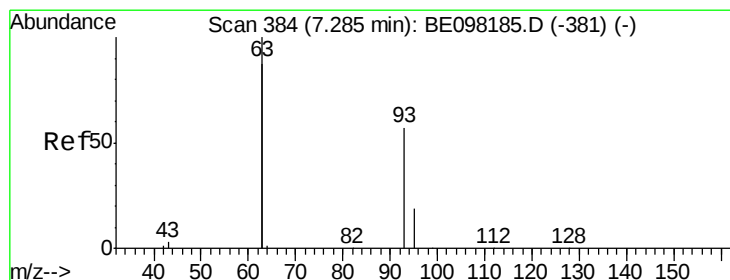
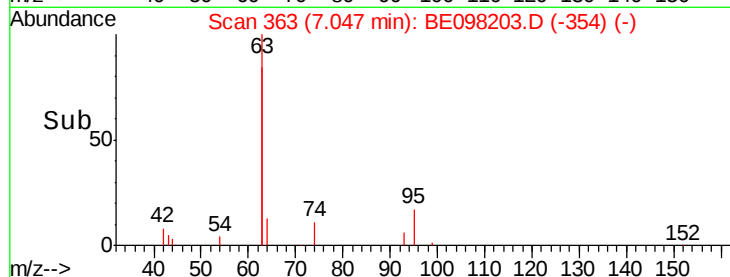
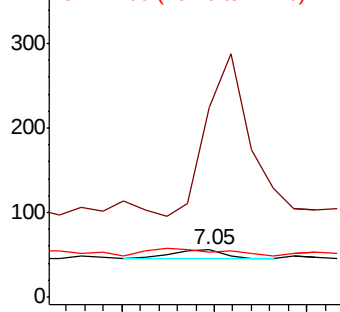
99 100

42 1657.1 27.1 40.7#

71 0.0 37.0 55.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.194 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

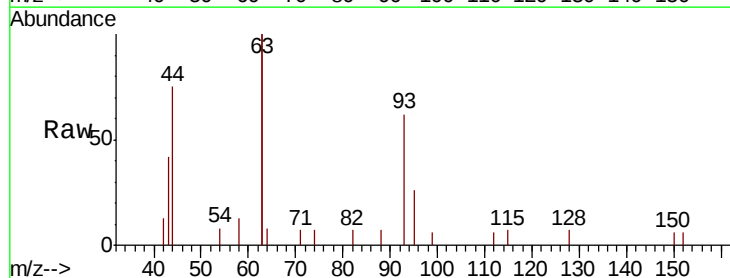
Tgt Ion: 93 Resp: 720

Ion Ratio Lower Upper

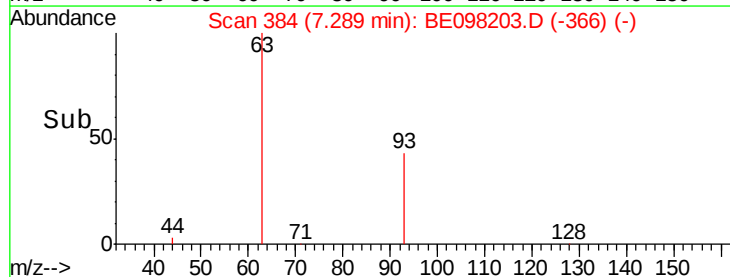
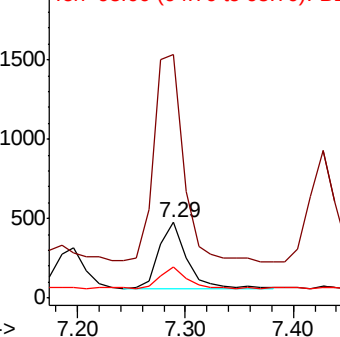
93 100

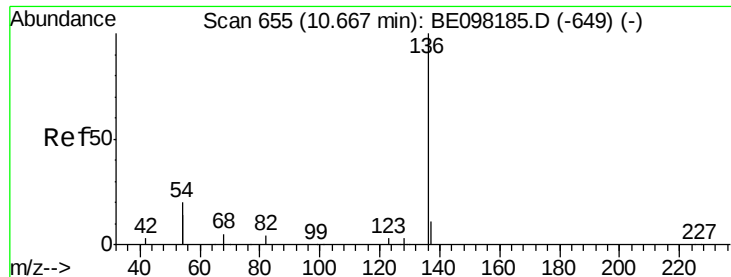
63 340.6 272.6 409.0

95 33.6 27.1 40.7



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

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OLDMANS-2

Tgt Ion: 136 Resp: 5112

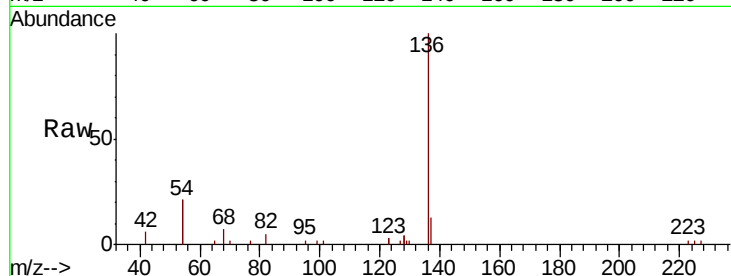
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 42.3 31.3 46.9

68 7.2 4.8 7.2

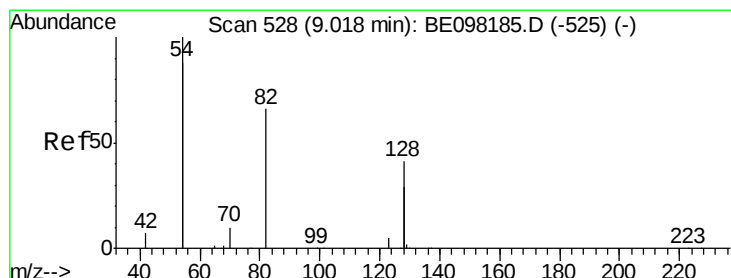
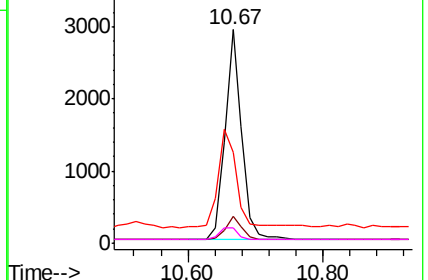
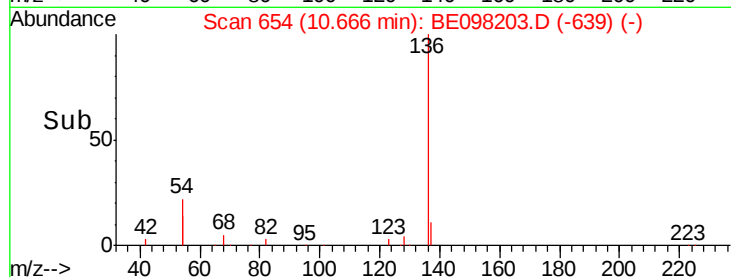


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.006 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

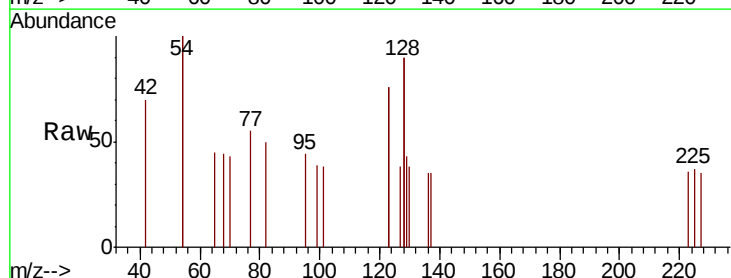
Tgt Ion: 82 Resp: 32

Ion Ratio Lower Upper

82 100

128 359.4 96.1 144.1#

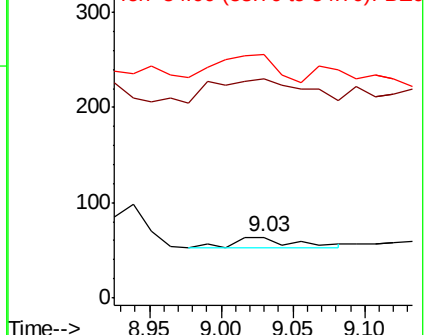
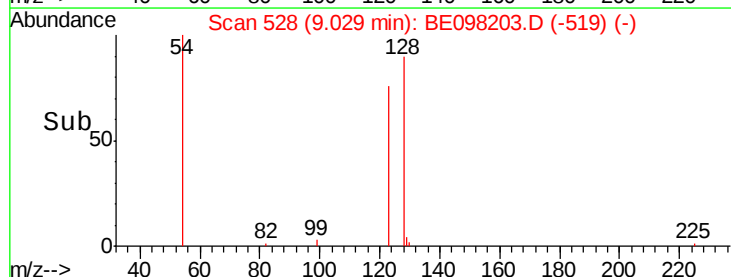
54 400.0 232.0 348.0#

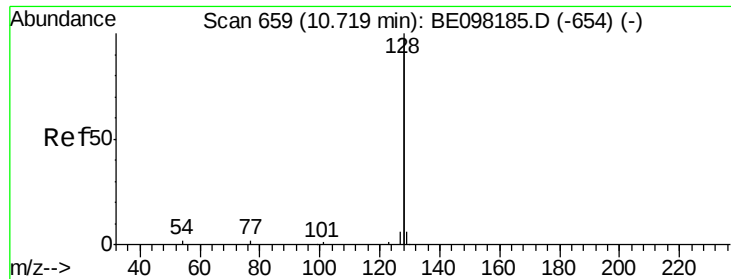


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

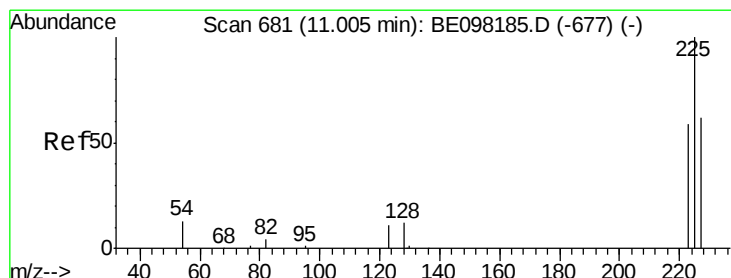
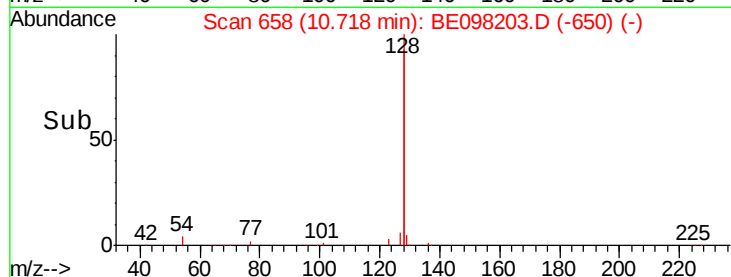
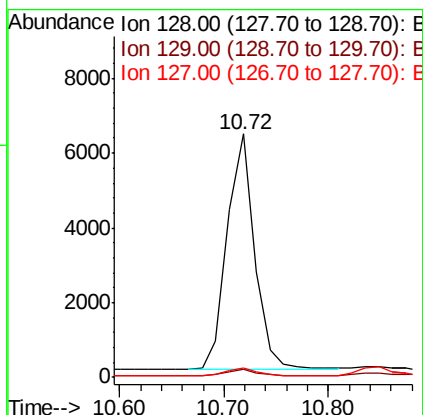
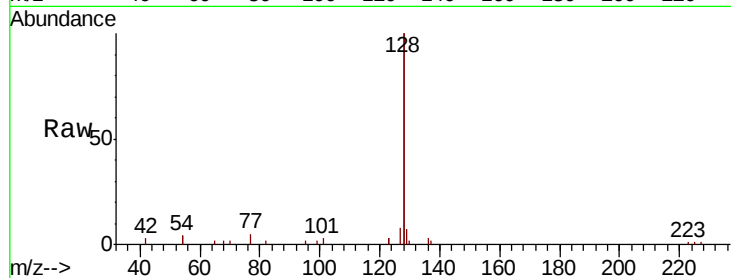




#9
Naphthalene
Concen: 0.223 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

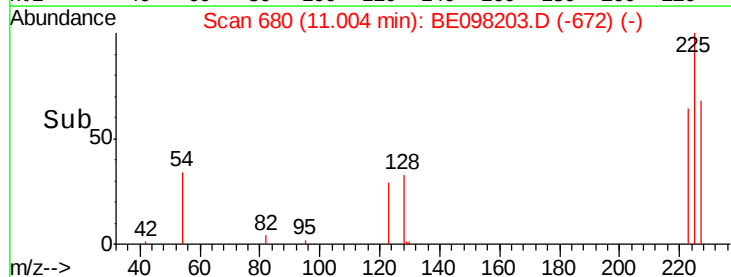
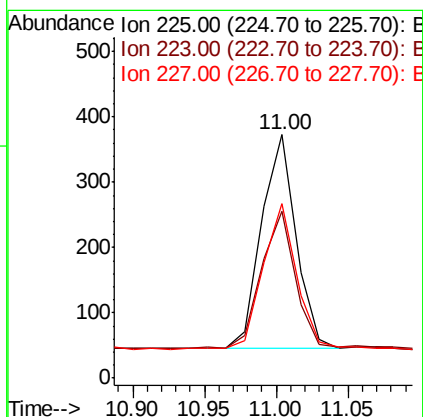
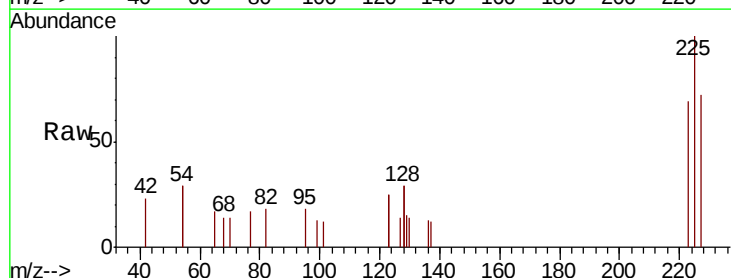
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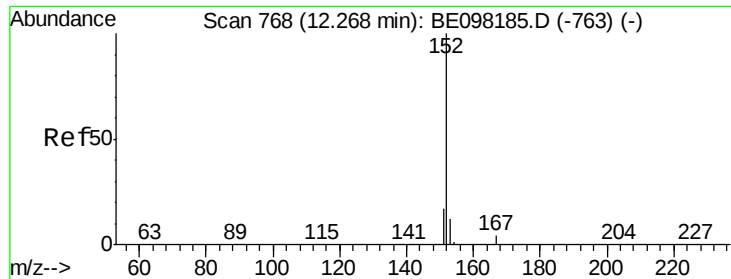
Tgt Ion:128 Resp: 11575
Ion Ratio Lower Upper
128 100
129 3.5 2.6 4.0
127 3.9 2.8 4.2



#10
Hexachlorobutadiene
Concen: 0.170 ng
RT: 11.00 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Tgt Ion:225 Resp: 550
Ion Ratio Lower Upper
225 100
223 62.5 50.5 75.7
227 67.3 50.3 75.5

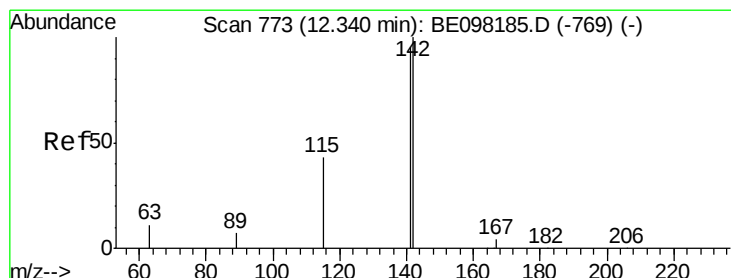
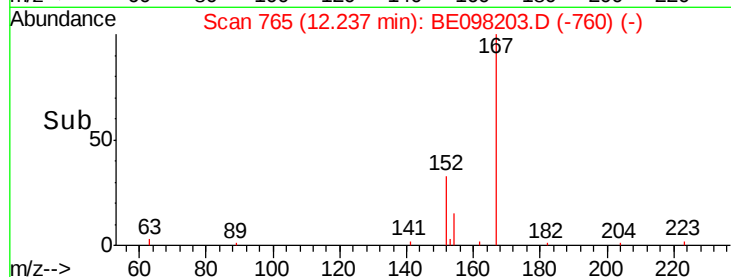
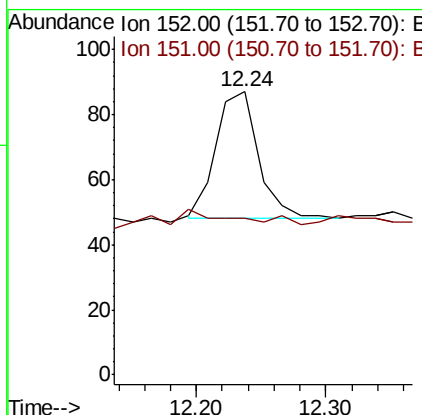
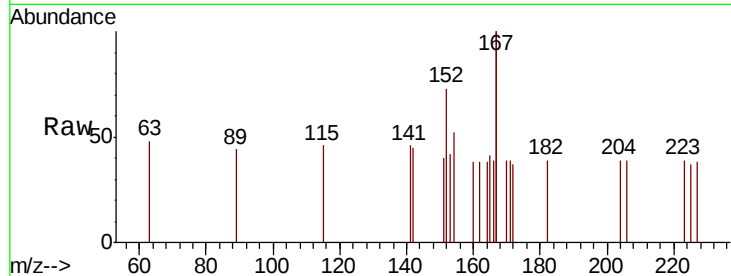




#11
 2-Methylnaphthalene-d10
 Concen: 0.010 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.03 min
 Lab File: BE098203.D
 Acq: 12 Nov 2018 23:47

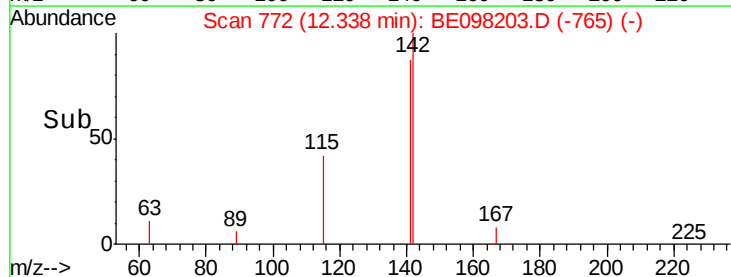
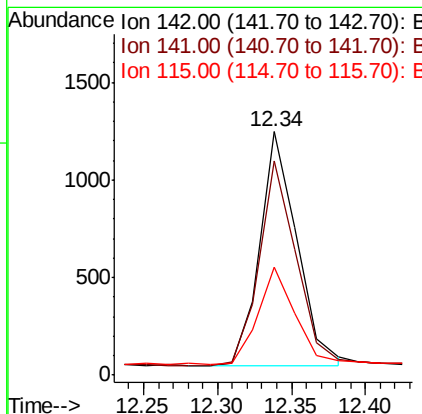
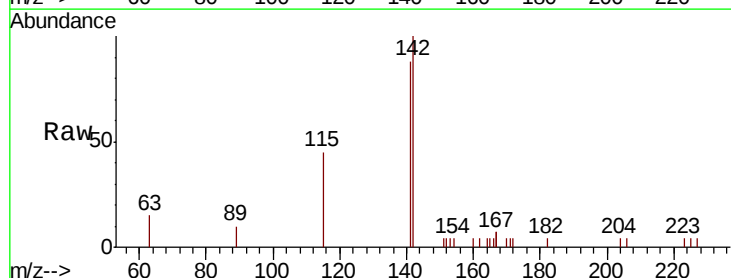
Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2

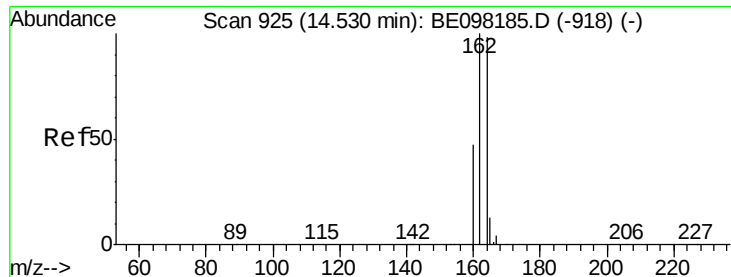
Tgt Ion:152 Resp: 89
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.233 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098203.D
 Acq: 12 Nov 2018 23:47

Tgt Ion:142 Resp: 2099
 Ion Ratio Lower Upper
 142 100
 141 88.1 76.3 114.5
 115 44.6 35.8 53.8

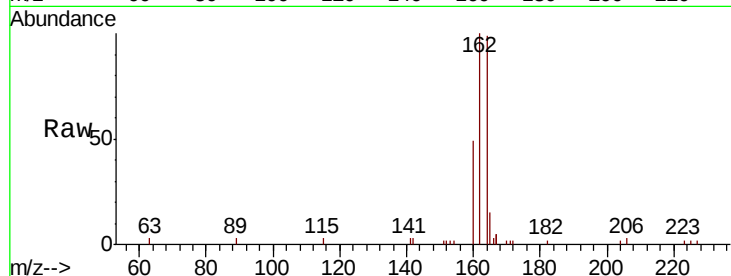




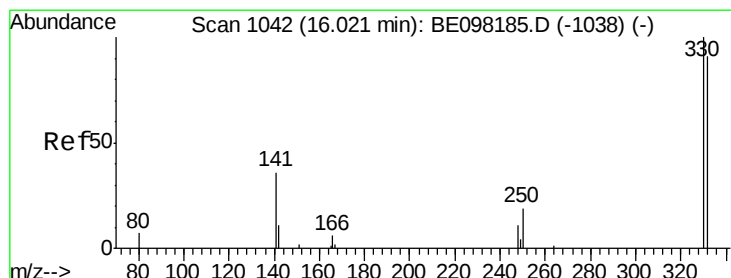
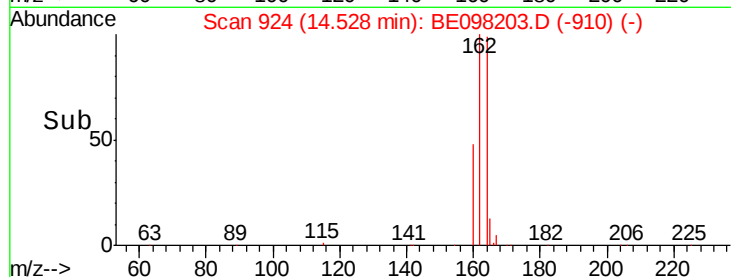
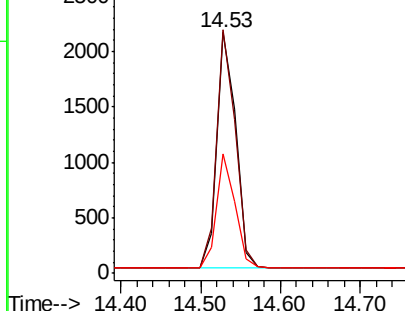
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2

Tgt Ion:164 Resp: 3521
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 49.5 39.4 59.0

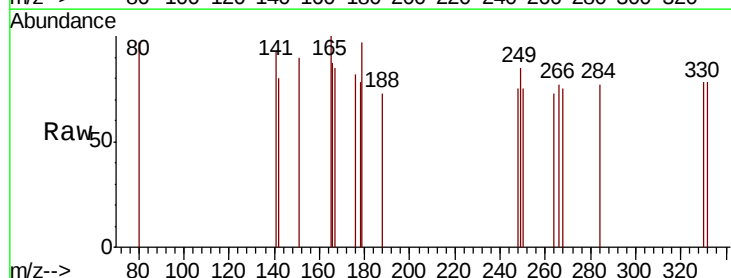


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

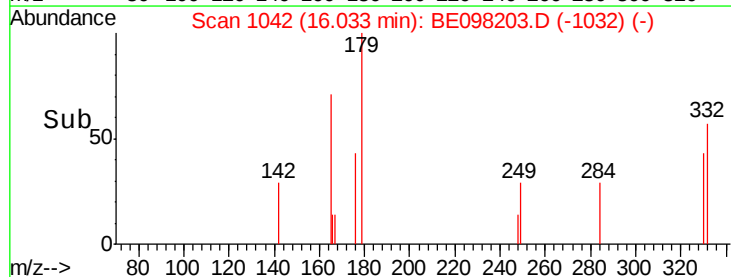
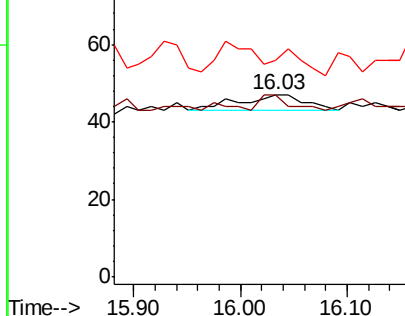


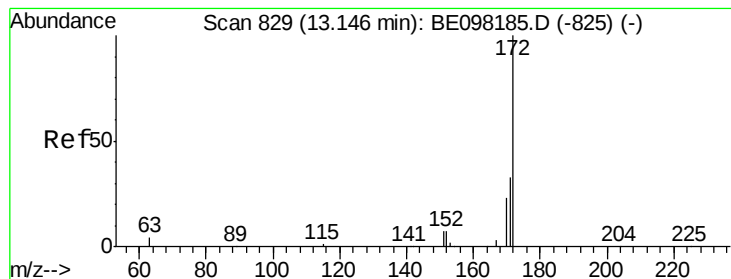
#14
2,4,6-Tribromophenol
Concen: 0.011 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Tgt Ion:330 Resp: 17
Ion Ratio Lower Upper
330 100
332 47.1 77.7 116.5#
141 0.0 33.6 50.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.005 ng

RT: 13.16 min Scan# 829

Delta R.T. 0.01 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

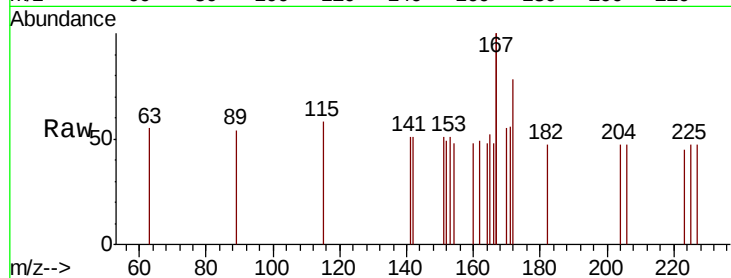
Tgt Ion:172 Resp: 70

Ion Ratio Lower Upper

172 100

171 71.1 27.3 40.9#

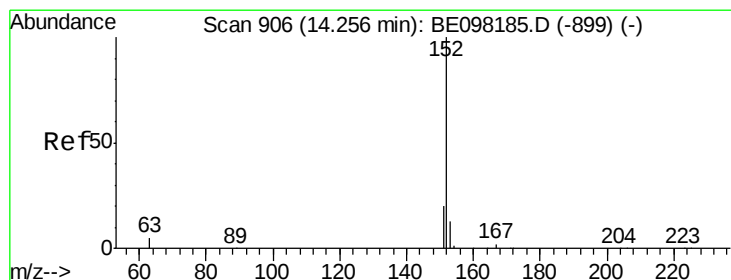
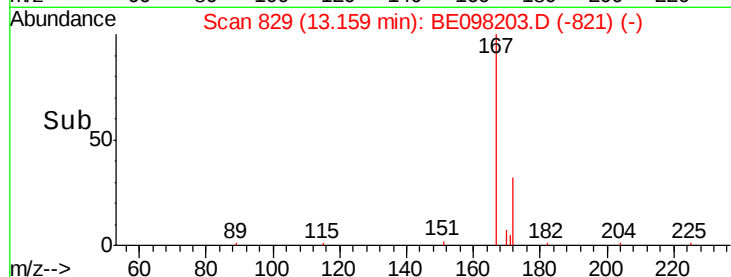
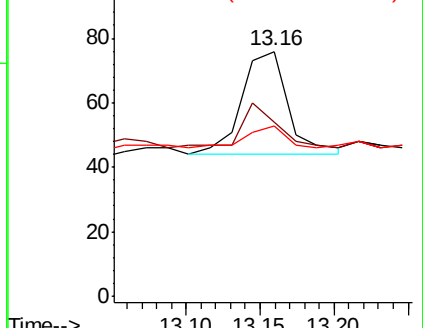
170 69.7 19.4 29.0#



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



#16

Acenaphthylene

Concen: 0.212 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

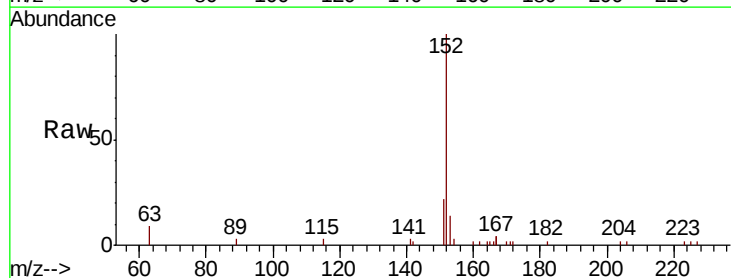
Tgt Ion:152 Resp: 3426

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

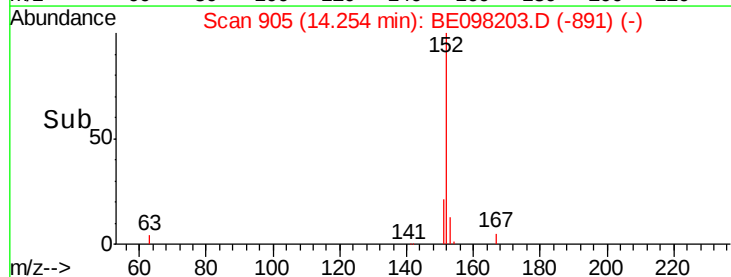
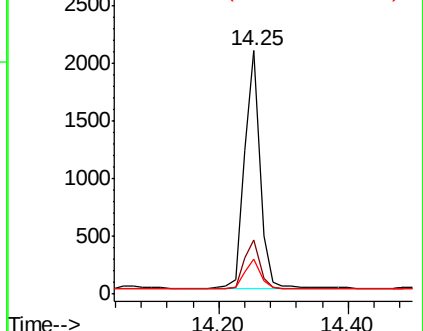
153 12.3 10.6 15.8

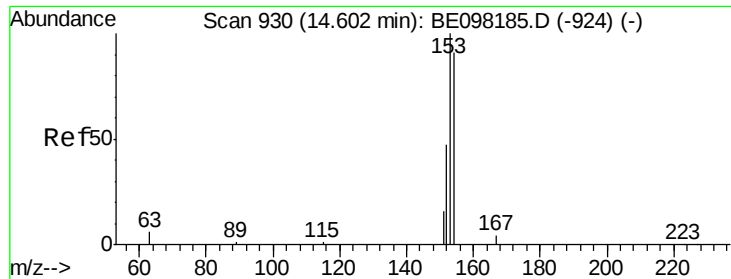


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

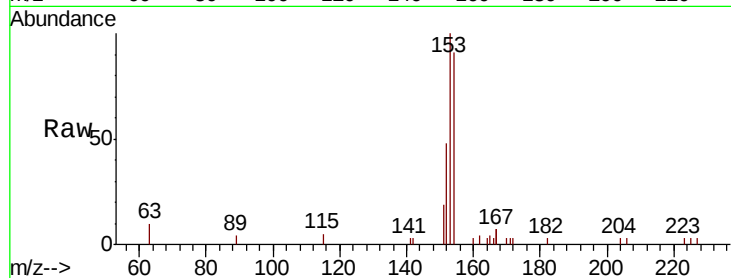




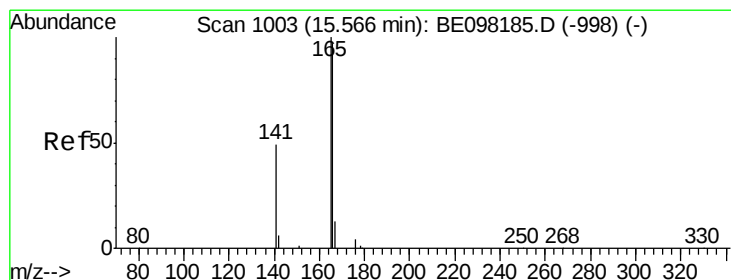
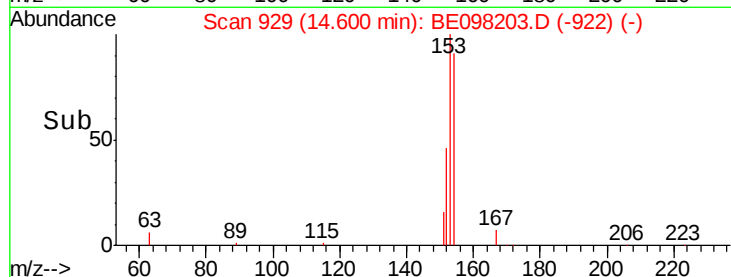
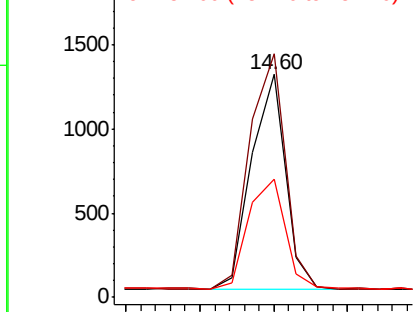
#17
Acenaphthene
Concen: 0.205 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2

Tgt Ion:154 Resp: 2022
Ion Ratio Lower Upper
154 100
153 115.7 92.1 138.1
152 55.2 46.2 69.2

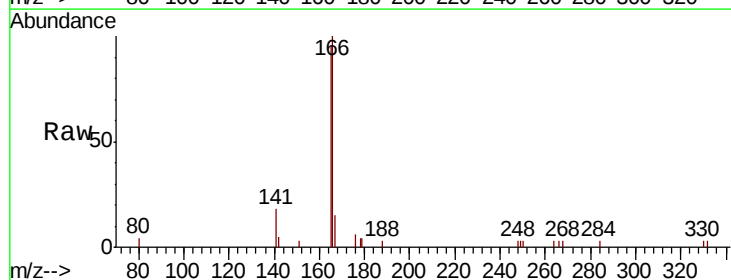


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

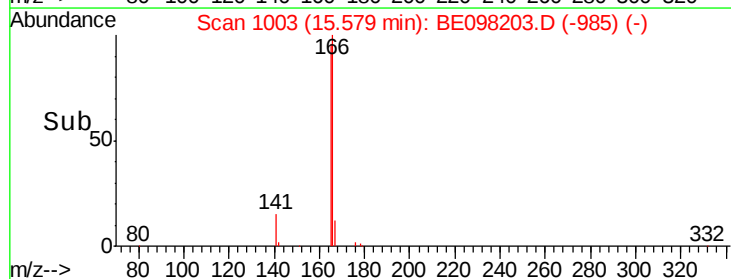
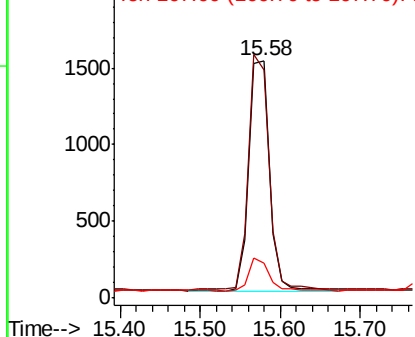


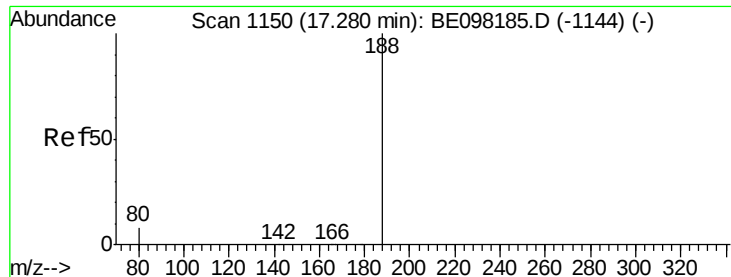
#18
Fluorene
Concen: 0.213 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098203.D
Acq: 12 Nov 2018 23:47

Tgt Ion:166 Resp: 2684
Ion Ratio Lower Upper
166 100
165 99.9 80.1 120.1
167 13.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

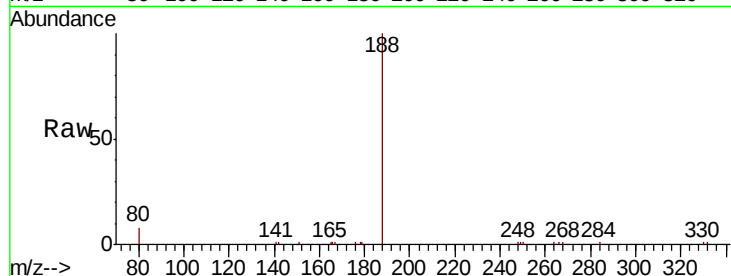
Tgt Ion:188 Resp: 8264

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

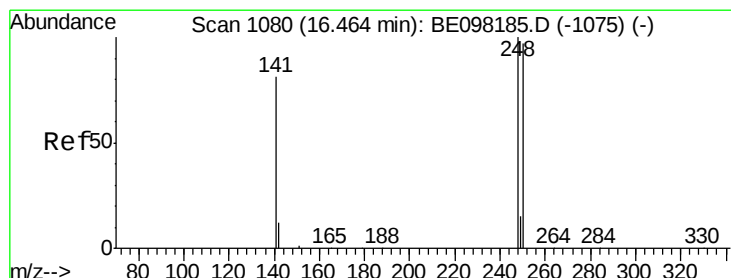
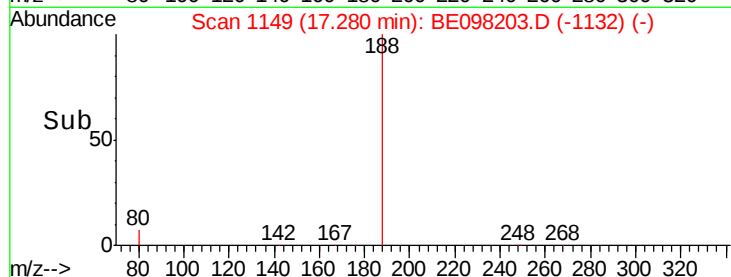
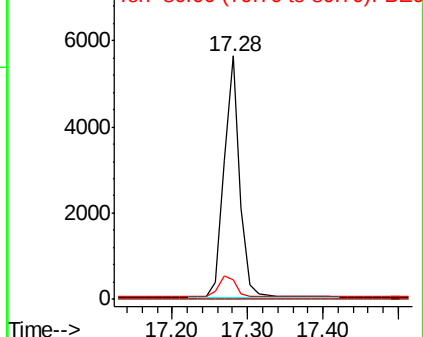
80 8.3 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.194 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

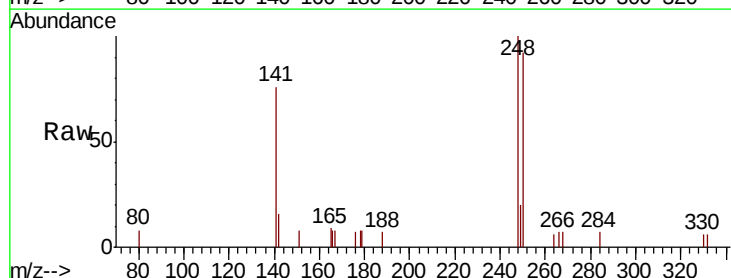
Tgt Ion:248 Resp: 978

Ion Ratio Lower Upper

248 100

250 92.1 77.6 116.4

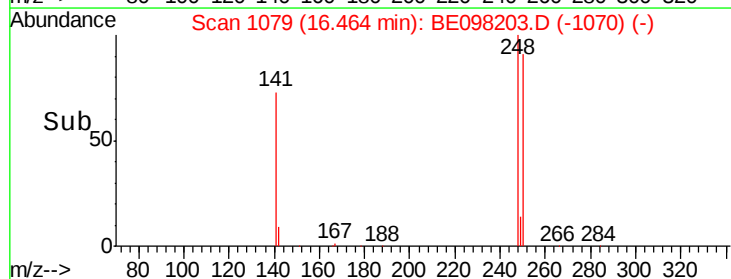
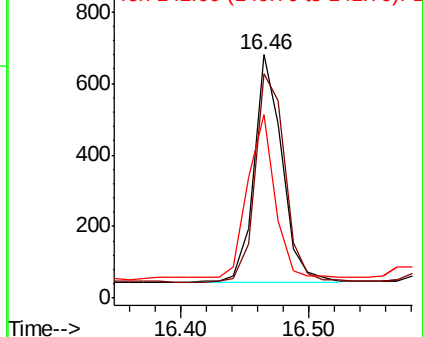
141 75.6 65.8 98.8

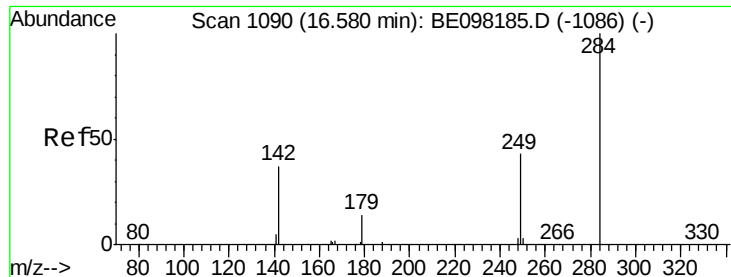


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.185 ng

RT: 16.58 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

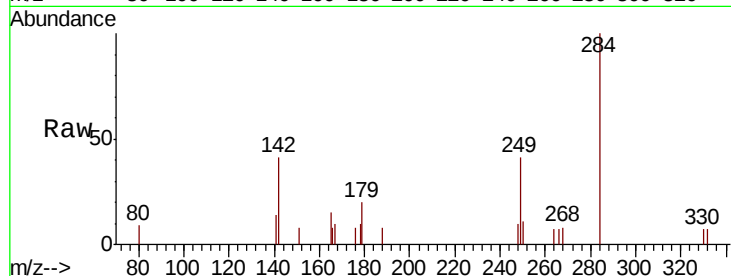
Tgt Ion:284 Resp: 969

Ion Ratio Lower Upper

284 100

142 34.7 26.5 39.7

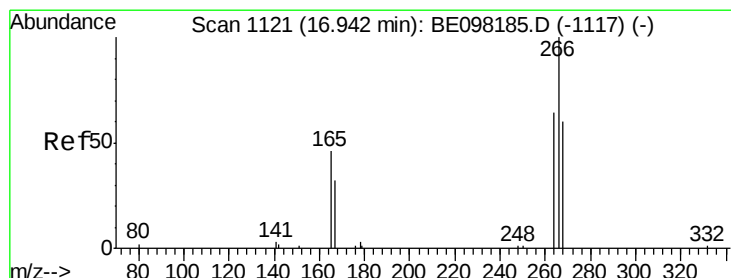
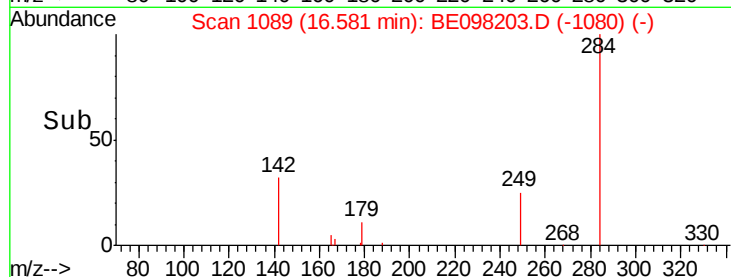
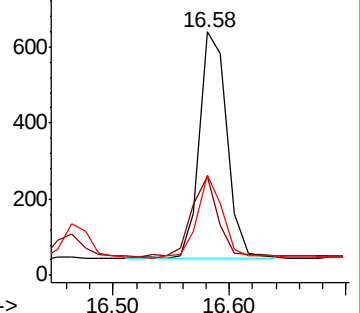
249 35.0 28.4 42.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.189 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

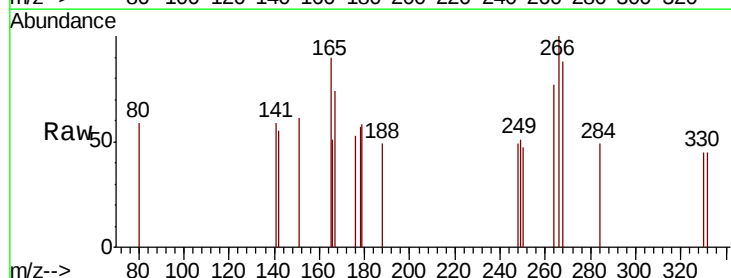
Tgt Ion:266 Resp: 128

Ion Ratio Lower Upper

266 100

264 76.5 57.6 86.4

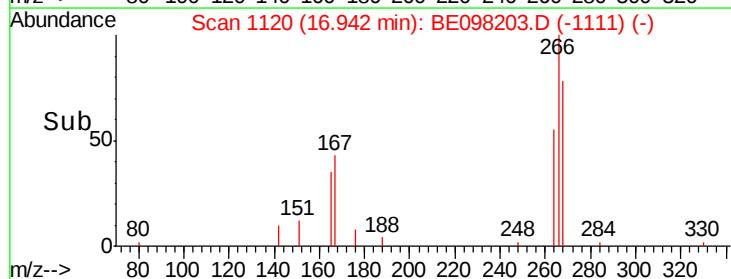
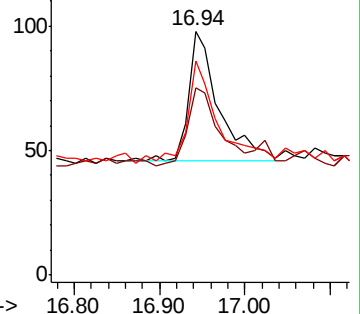
268 87.8 56.8 85.2#

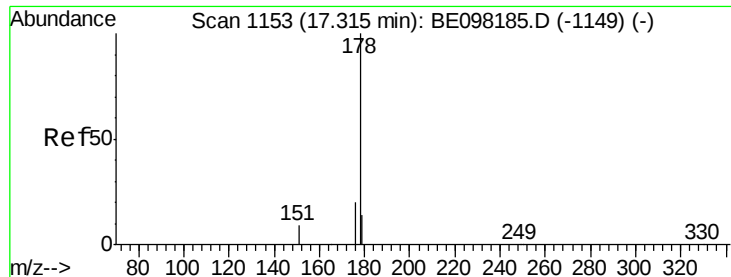


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.231 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

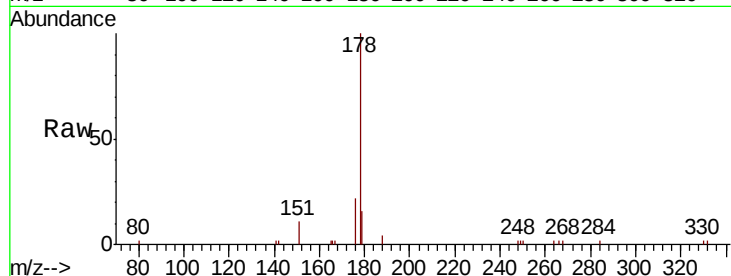
Tgt Ion:178 Resp: 4762

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 15.5 12.3 18.5

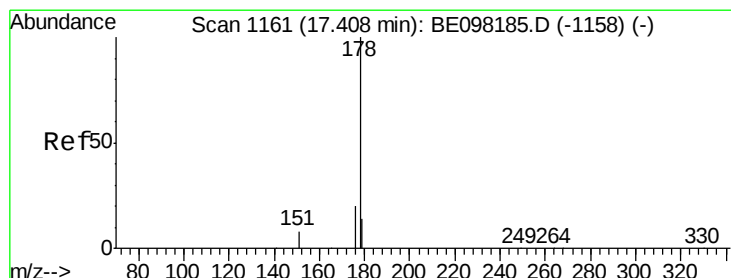
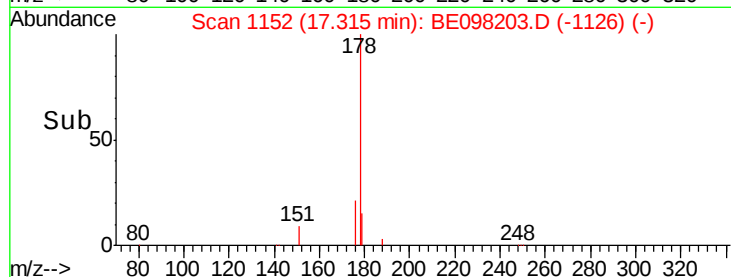
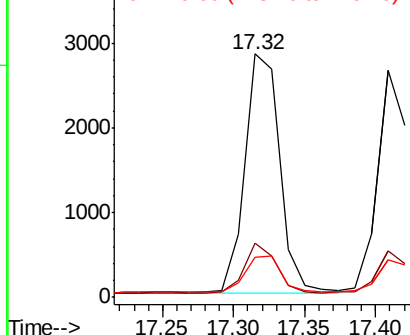


Abundance

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



#24

Anthracene

Concen: 0.215 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

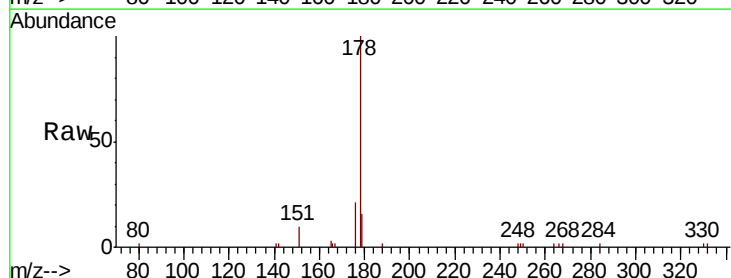
Tgt Ion:178 Resp: 4129

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

179 15.6 12.1 18.1

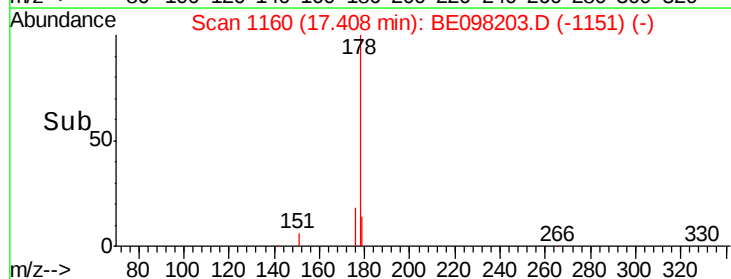
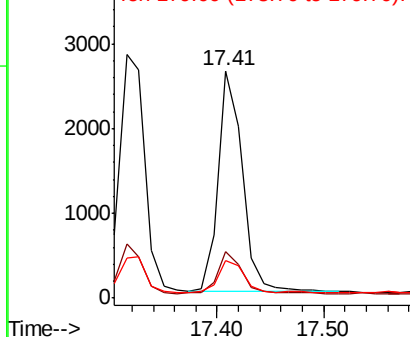


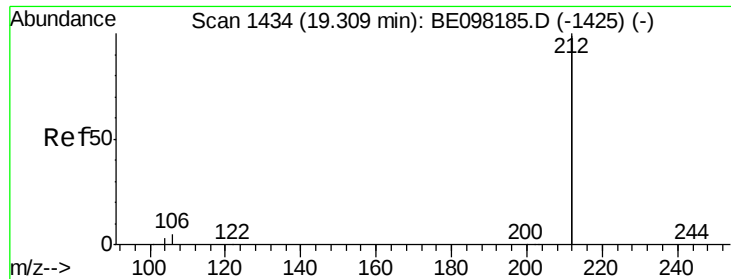
Abundance

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





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.32 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

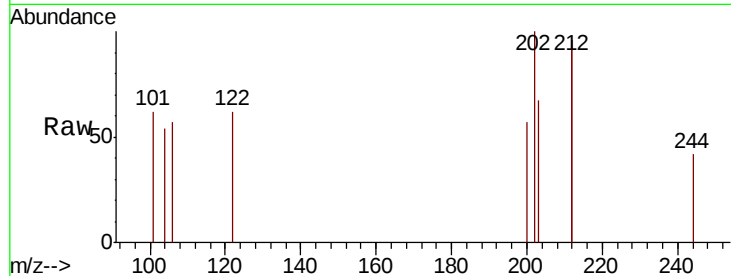
Tgt Ion:212 Resp: 20

Ion Ratio Lower Upper

212 100

106 35.0 1.8 2.8#

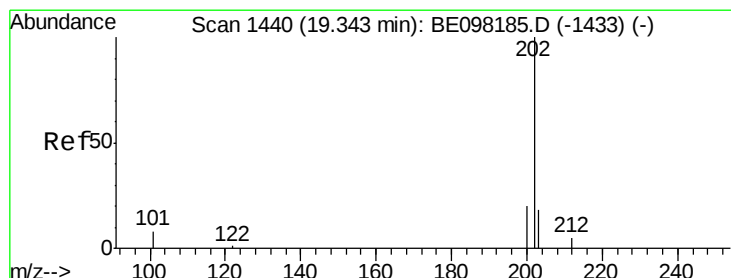
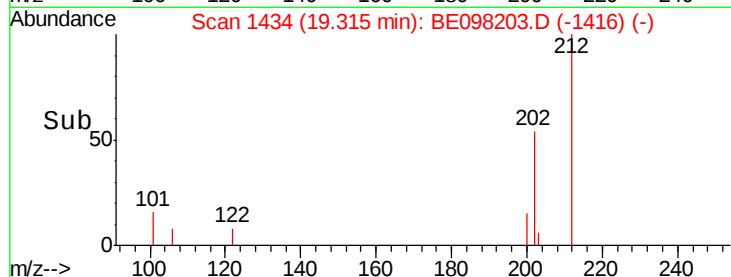
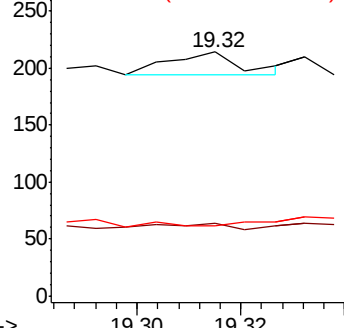
104 0.0 1.1 1.7#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.224 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

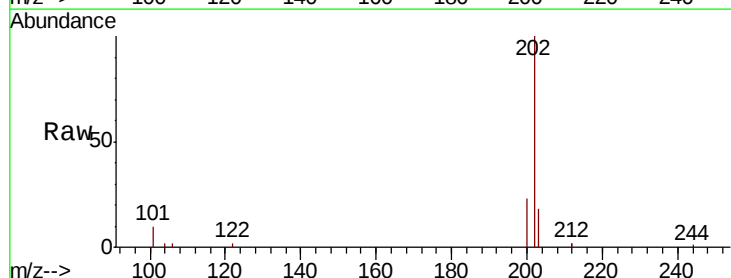
Tgt Ion:202 Resp: 5710

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.6

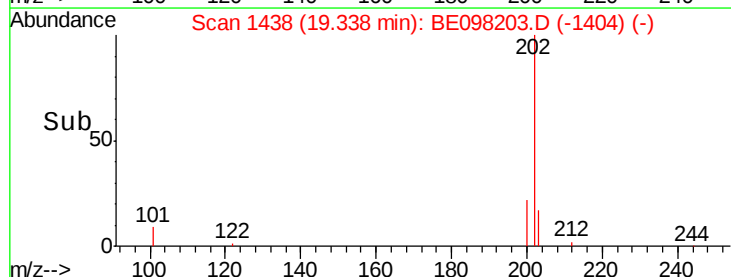
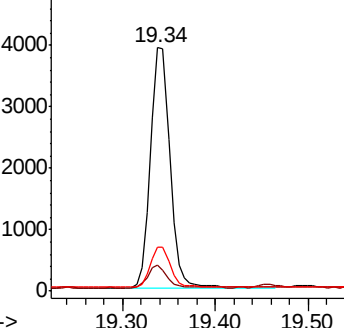
203 17.3 13.7 20.5

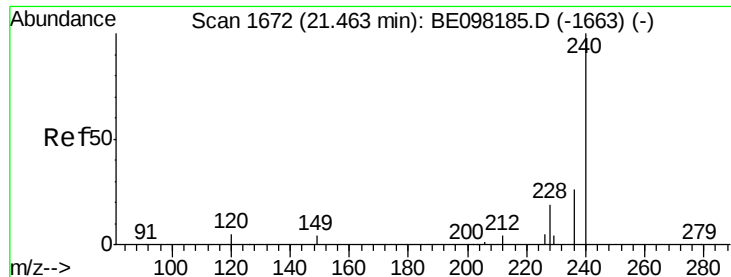


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

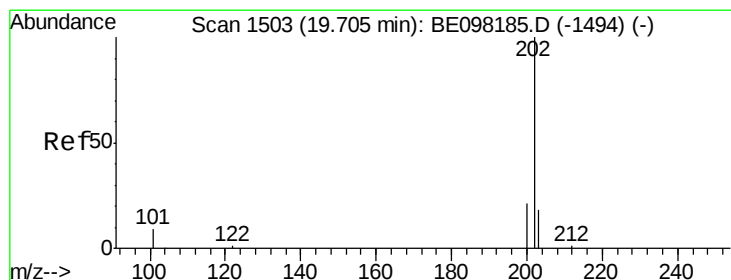
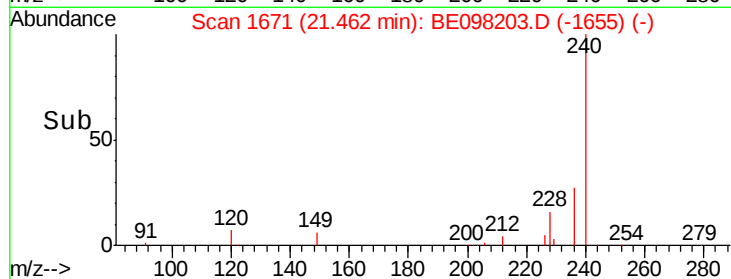
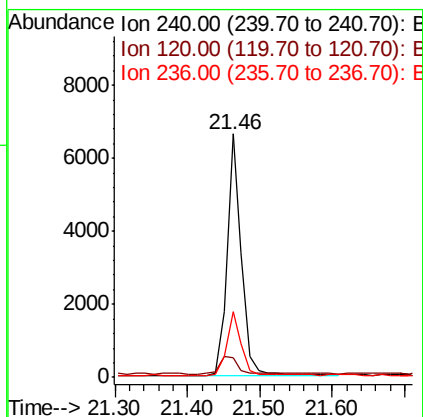
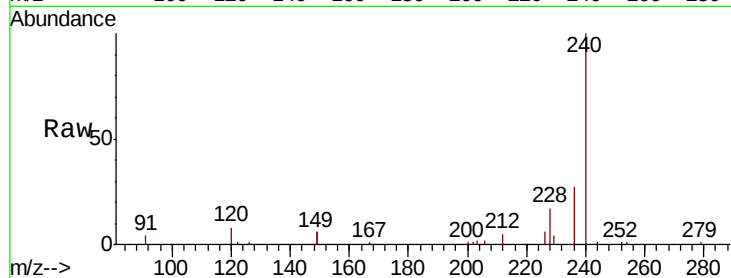




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098203.D
 Acq: 12 Nov 2018 23:47

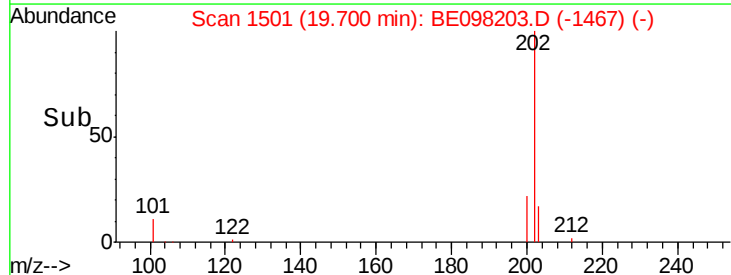
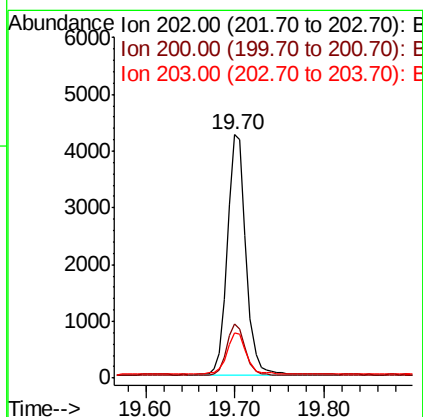
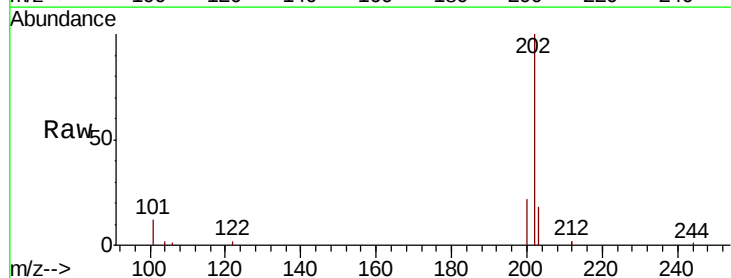
Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2

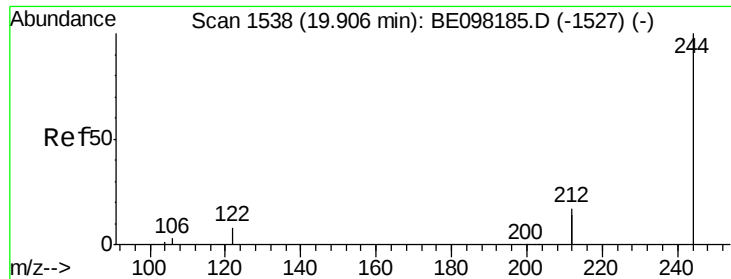
Tgt Ion:240 Resp: 9212
 Ion Ratio Lower Upper
 240 100
 120 8.0 4.8 7.2#
 236 27.2 21.4 32.0



#28
 Pyrene
 Concen: 0.238 ng
 RT: 19.70 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BE098203.D
 Acq: 12 Nov 2018 23:47

Tgt Ion:202 Resp: 6044
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.2 25.8
 203 18.8 14.2 21.4





#29

Terphenyl-d14

Concen: 0.005 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

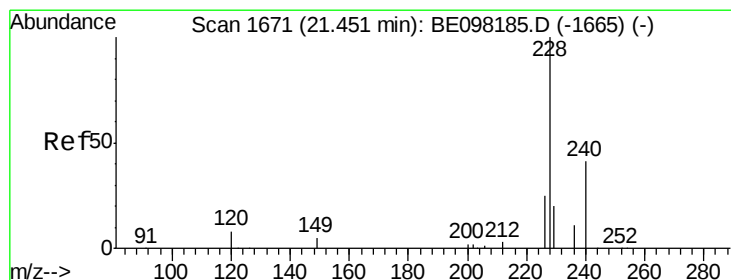
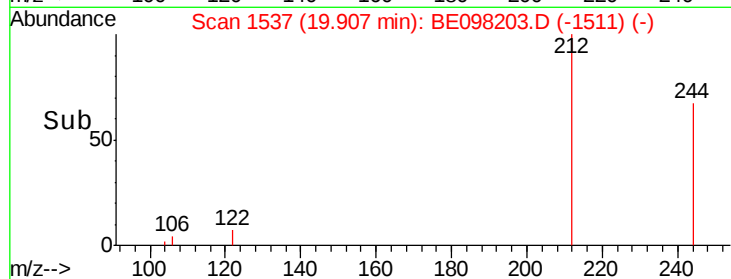
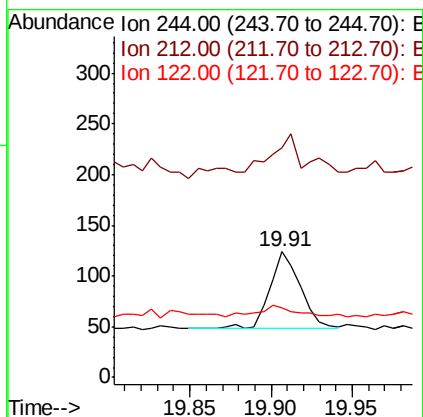
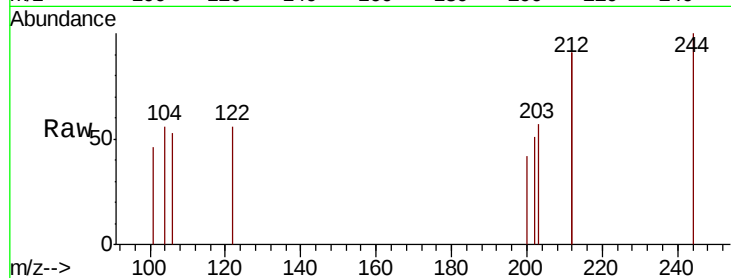
Tgt Ion:244 Resp: 101

Ion Ratio Lower Upper

244 100

212 182.3 26.8 40.2#

122 55.6 7.0 10.6#



#30

Benzo(a)anthracene

Concen: 0.226 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

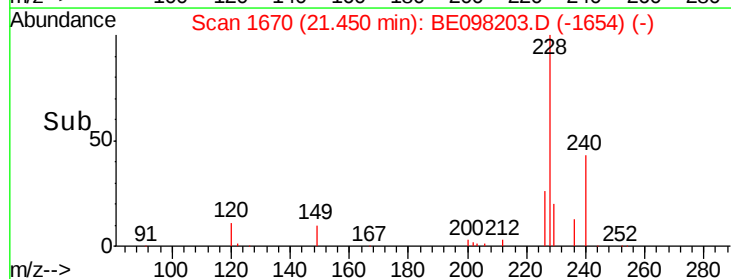
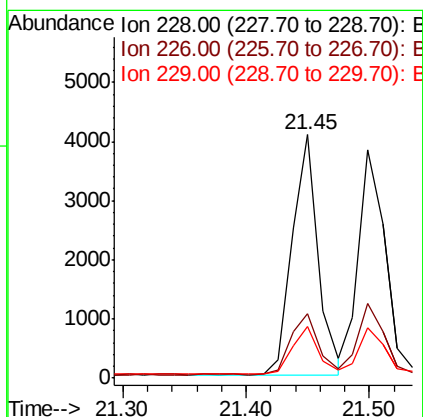
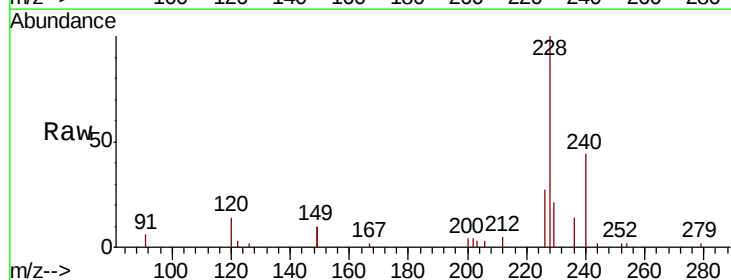
Tgt Ion:228 Resp: 5920

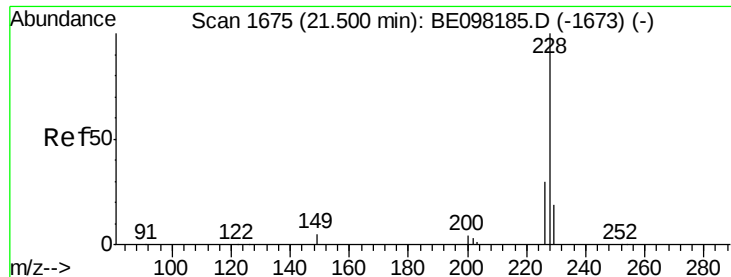
Ion Ratio Lower Upper

228 100

226 26.7 20.7 31.1

229 21.4 16.2 24.4





#31

Chrysene

Concen: 0.213 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

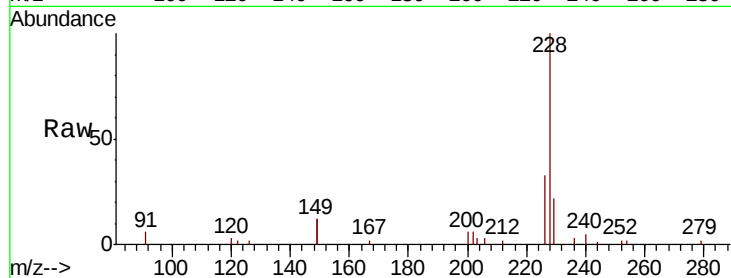
Tgt Ion:228 Resp: 5649

Ion Ratio Lower Upper

228 100

226 32.6 24.6 36.8

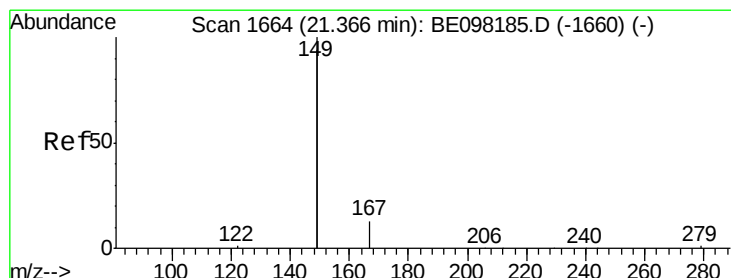
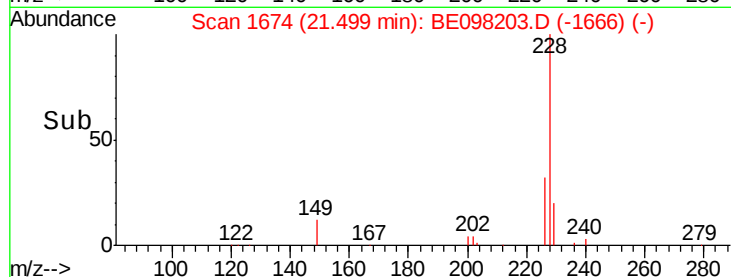
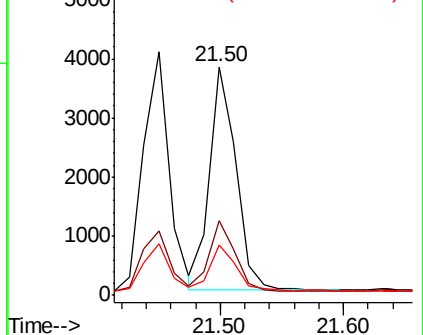
229 21.9 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.228 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

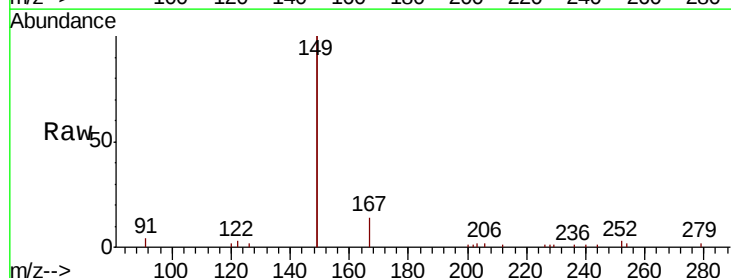
Tgt Ion:149 Resp: 12376

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

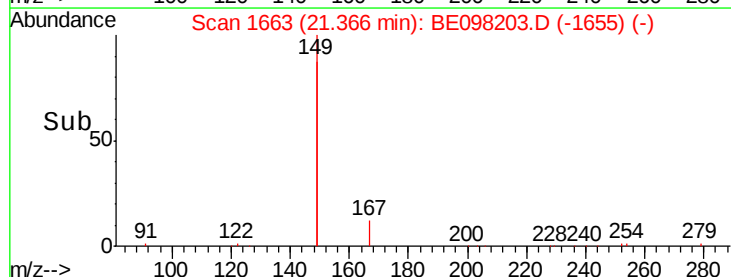
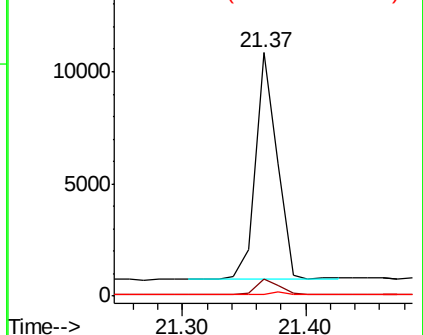
279 1.1 0.9 1.3

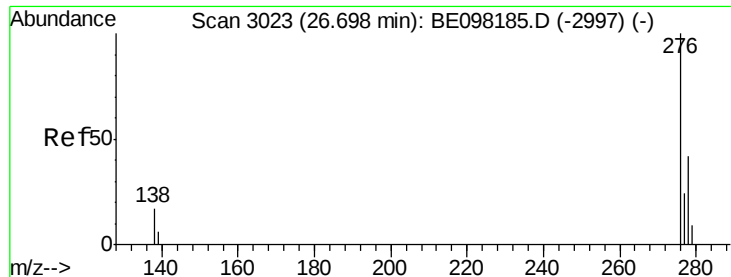


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.200 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

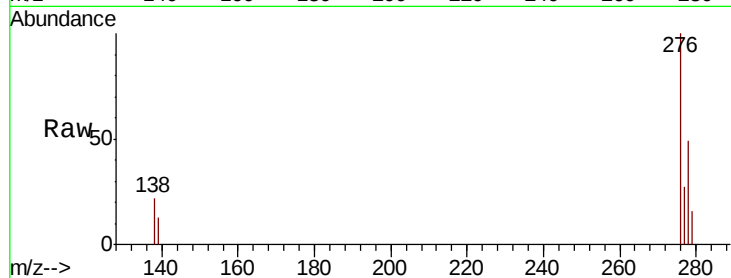
Tgt Ion:276 Resp: 4875

Ion Ratio Lower Upper

276 100

138 19.4 6.4 9.6#

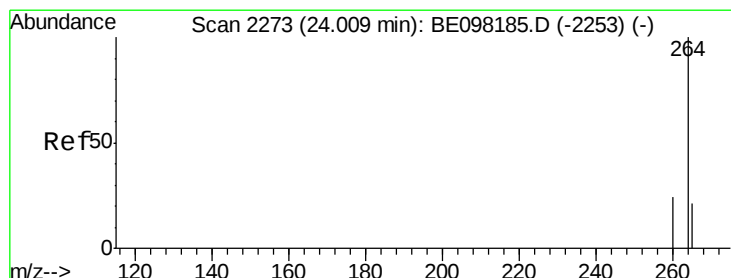
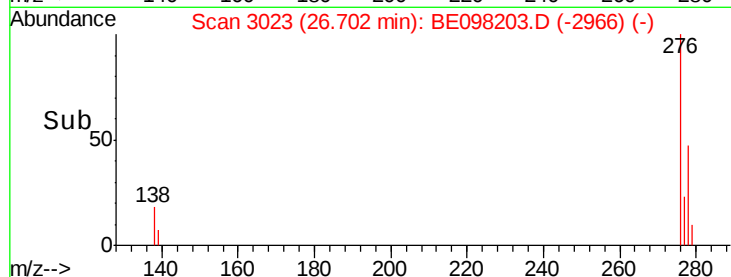
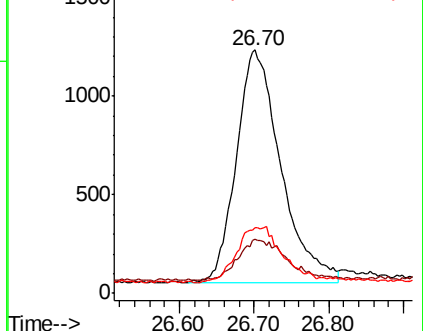
277 24.6 18.9 28.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.01 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

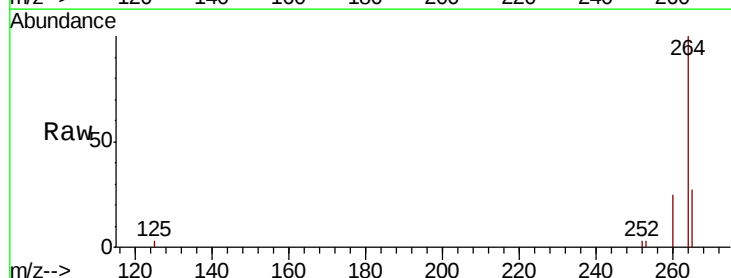
Tgt Ion:264 Resp: 8887

Ion Ratio Lower Upper

264 100

260 24.8 19.9 29.9

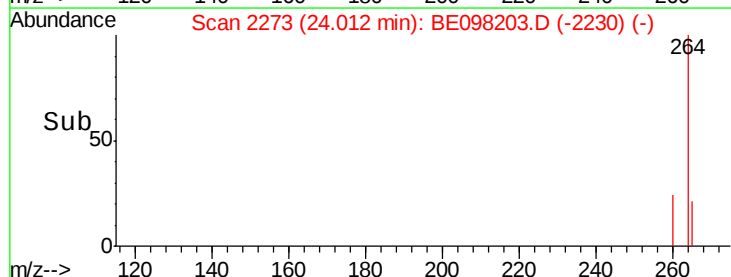
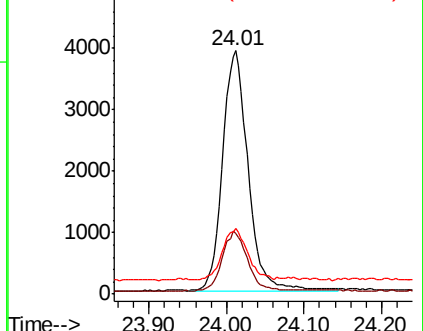
265 26.8 21.3 31.9

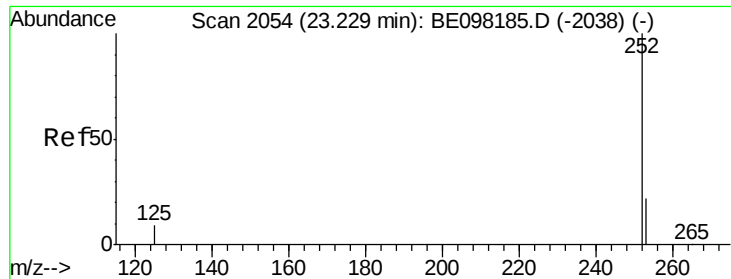


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.202 ng

RT: 23.28 min Scan# 2067

Delta R.T. 0.05 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

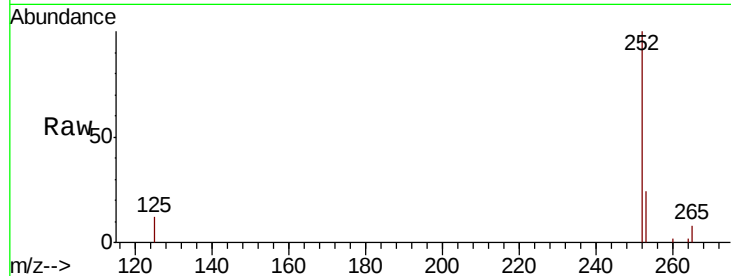
Tgt Ion:252 Resp: 5083

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.0

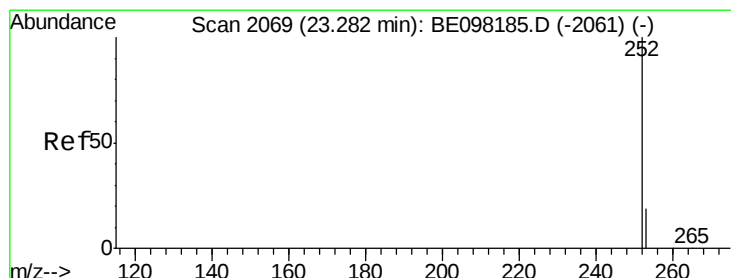
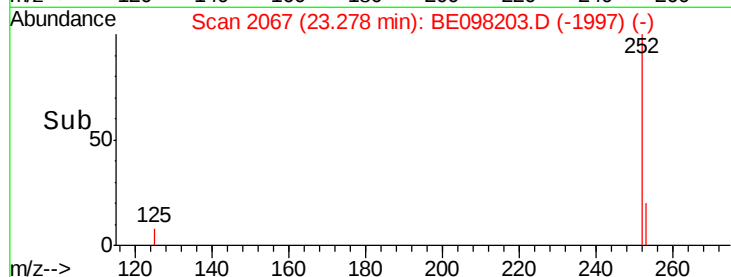
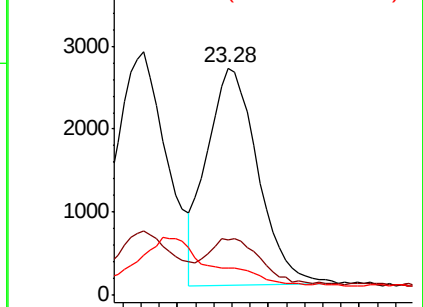
125 12.3 8.6 12.8



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



#36

Benzo(k)fluoranthene

Concen: 0.191 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

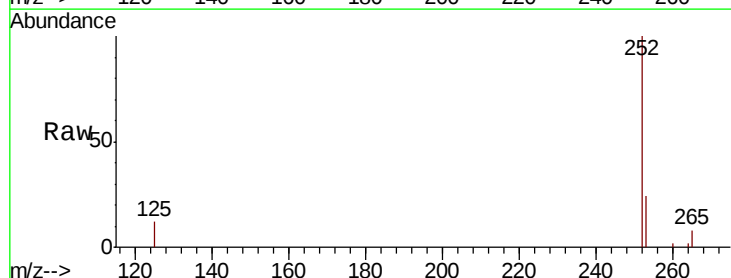
Tgt Ion:252 Resp: 5083

Ion Ratio Lower Upper

252 100

253 24.2 18.6 28.0

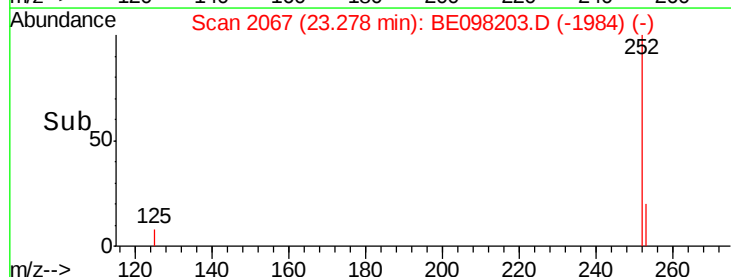
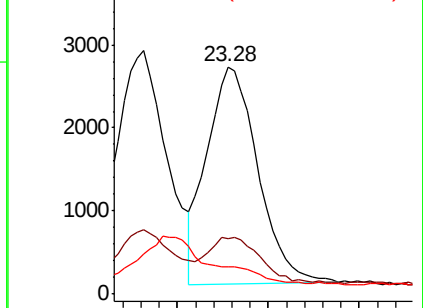
125 12.3 7.4 11.0#

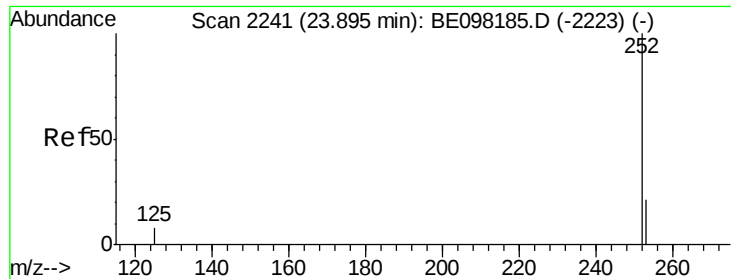


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.210 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2

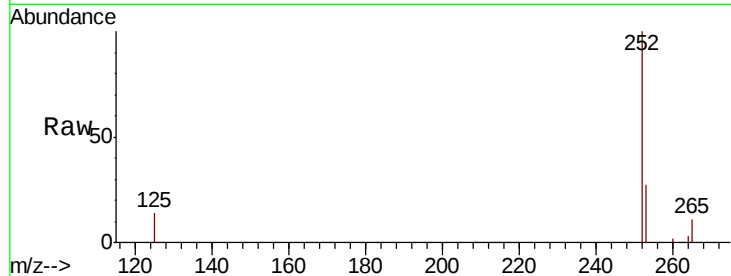
Tgt Ion: 252 Resp: 5071

Ion Ratio Lower Upper

252 100

253 27.0 18.6 27.8

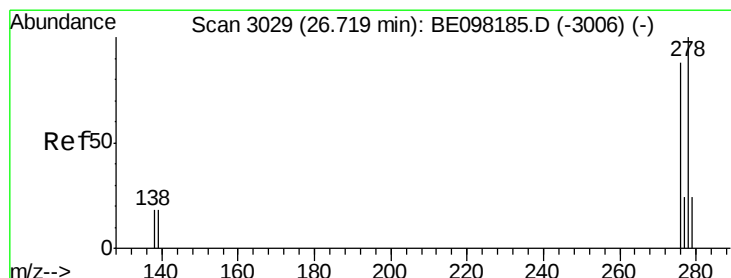
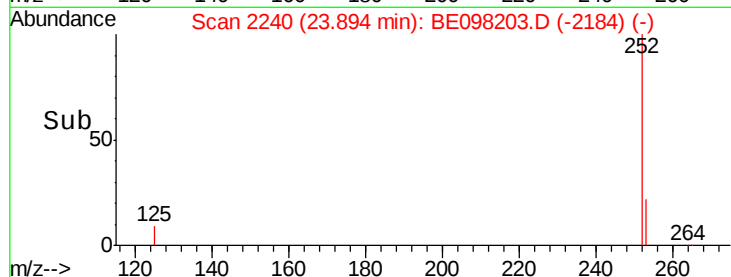
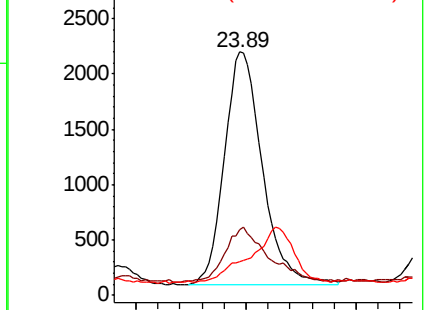
125 14.0 8.0 12.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.186 ng

RT: 26.72 min Scan# 3029

Delta R.T. 0.00 min

Lab File: BE098203.D

Acq: 12 Nov 2018 23:47

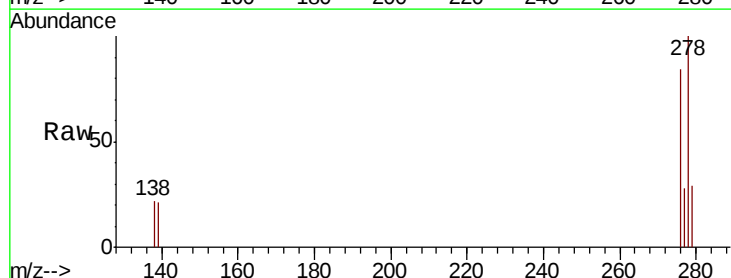
Tgt Ion: 278 Resp: 3836

Ion Ratio Lower Upper

278 100

139 20.9 16.4 24.6

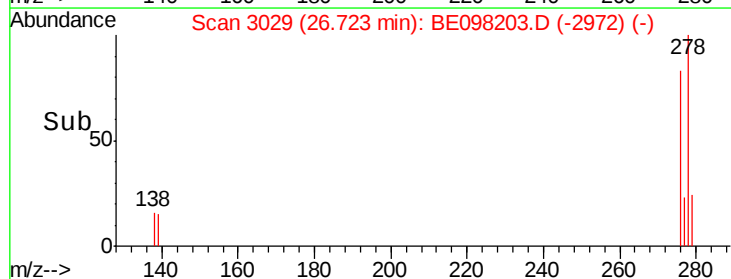
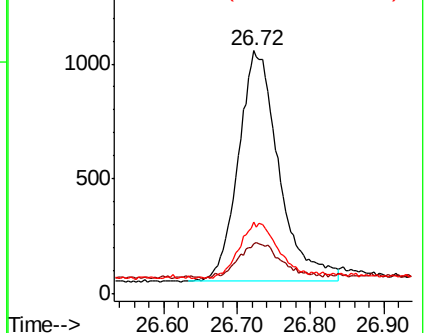
279 29.4 21.3 31.9

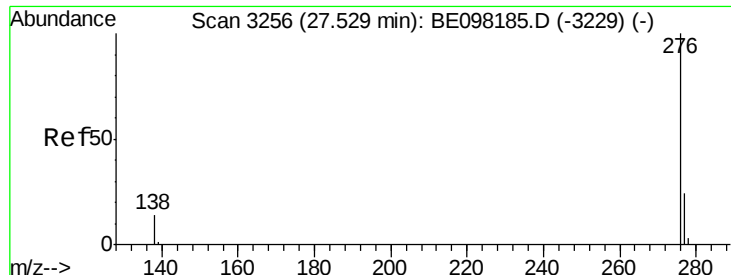


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.192 ng

RT: 27.53 min Scan# 3255

Delta R.T. 0.00 min

Lab File: BE098203.D

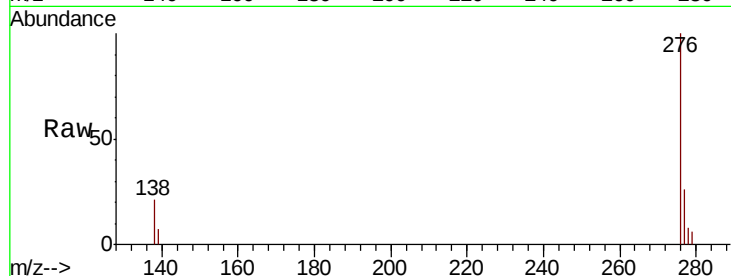
Acq: 12 Nov 2018 23:47

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2



Tgt Ion: 276 Resp: 4131

Ion Ratio Lower Upper

276 100

277 26.4 20.4 30.6

138 21.4 13.2 19.8

Abundance Ion 276.00 (275.70 to 276.70): E

1500 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

