

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
 Data File : BE098205.D
 Acq On : 13 Nov 2018 00:58
 Operator : SJ/JU
 Sample : J5864-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MSD

Quant Time: Nov 13 03:51:46 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	995	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4139	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2721	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7688	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9144	0.40	ng	0.00
34) Perylene-d12	24.01	264	8757	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	106	0.04	ng	0.00
5) Phenol-d6	7.03	99	263	0.06	ng	-0.01
8) Nitrobenzene-d5	9.02	82	140	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	655	0.09	ng	-0.04
14) 2,4,6-Tribromophenol	16.02	330	115	0.10	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	446	0.04	ng	0.00
25) Fluoranthene-d10	19.31	212	41	0.00	ng	0.00
29) Terphenyl-d14	19.91	244	879	0.04	ng	0.00

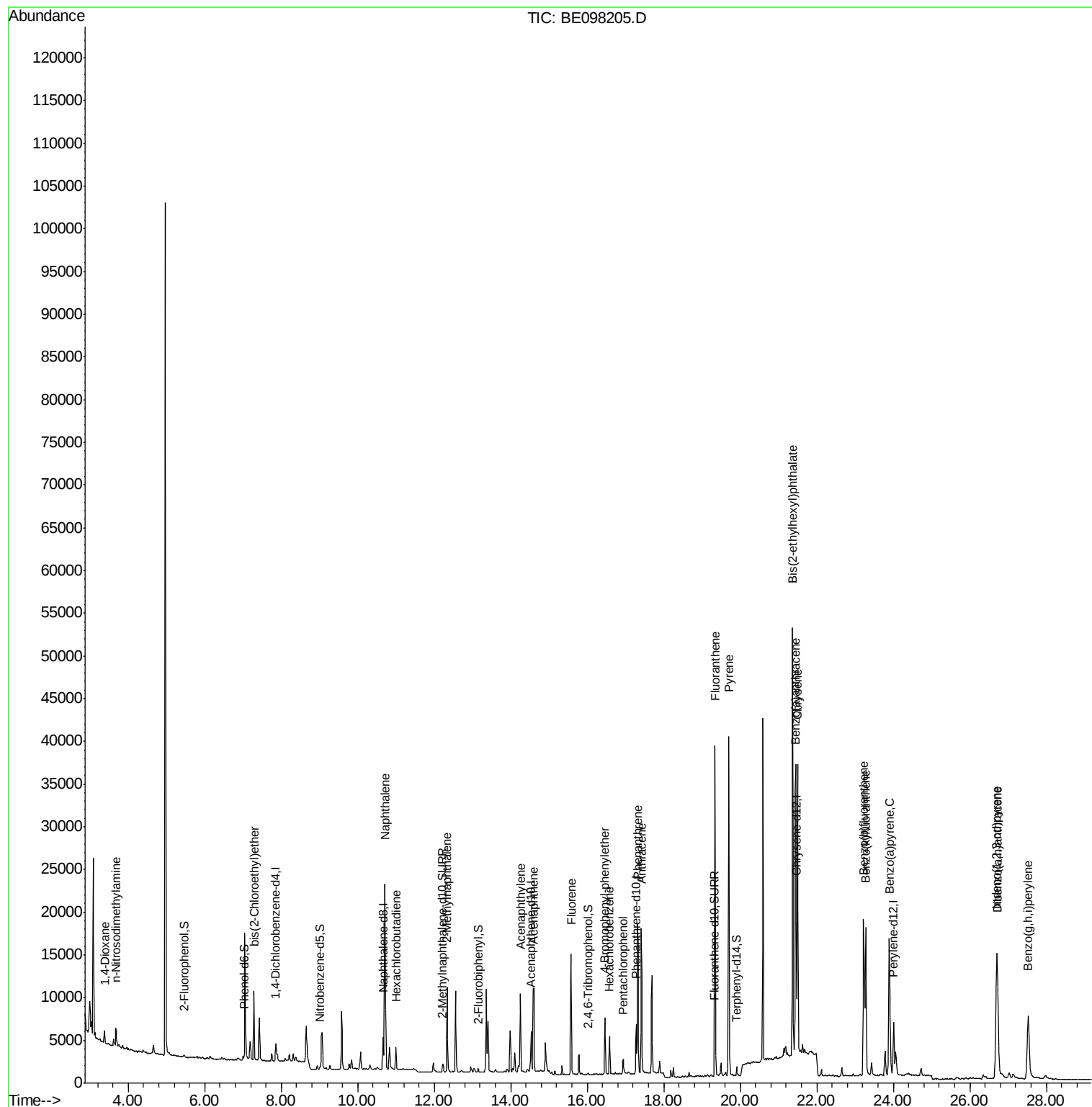
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	936	0.627	ng	# 83
3) n-Nitrosodimethylamine	3.68	42	1725	0.883	ng	88
6) bis(2-Chloroethyl)ether	7.29	93	2717	0.746	ng	98
9) Naphthalene	10.72	128	37007	0.879	ng	99
10) Hexachlorobutadiene	11.00	225	1895	0.724	ng	98
12) 2-Methylnaphthalene	12.34	142	6441	0.882	ng	94
16) Acenaphthylene	14.26	152	11329	0.908	ng	99
17) Acenaphthene	14.60	154	6055	0.795	ng	98
18) Fluorene	15.58	166	9230	0.946	ng	100
20) 4-Bromophenyl-phenylether	16.46	248	3482	0.743	ng	93
21) Hexachlorobenzene	16.58	284	3377	0.693	ng	99
22) Pentachlorophenol	16.94	266	1097	1.090	ng	93
23) Phenanthrene	17.31	178	19698	1.029	ng	99
24) Anthracene	17.41	178	17849	1.000	ng	99
26) Fluoranthene	19.34	202	35985	1.518	ng	100
28) Pyrene	19.70	202	34916	1.388	ng	98
30) Benzo(a)anthracene	21.44	228	34037	1.310	ng	96
31) Chrysene	21.50	228	29166	1.105	ng	100
32) Bis(2-ethylhexyl)phthalate	21.37	149	52051	0.965	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	25074	1.036	ng	# 92
35) Benzo(b)fluoranthene	23.23	252	29528	1.189	ng	98
36) Benzo(k)fluoranthene	23.28	252	26263	1.002	ng	100
37) Benzo(a)pyrene	23.89	252	27512	1.155	ng	99
38) Dibenzo(a,h)anthracene	26.72	278	18486	0.911	ng	# 93
39) Benzo(g,h,i)perylene	27.52	276	21256	1.003	ng	98

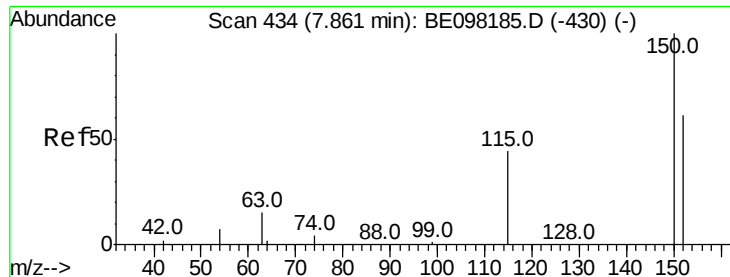
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

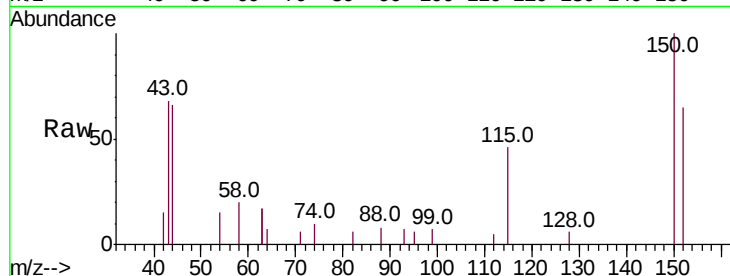
Tot Ion:152 Resp: 995

Ion Ratio Lower Upper

152 100

150 152.7 127.5 191.3

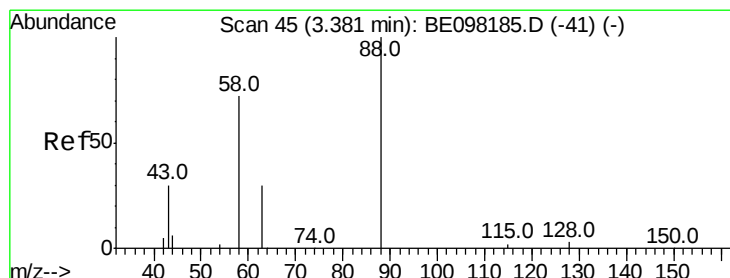
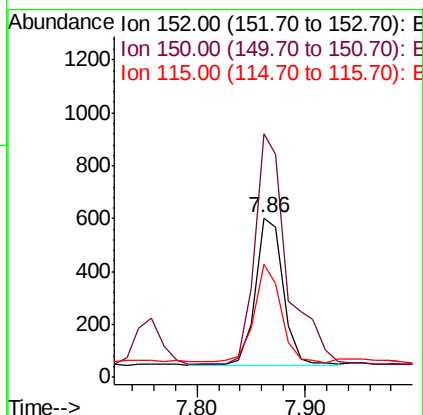
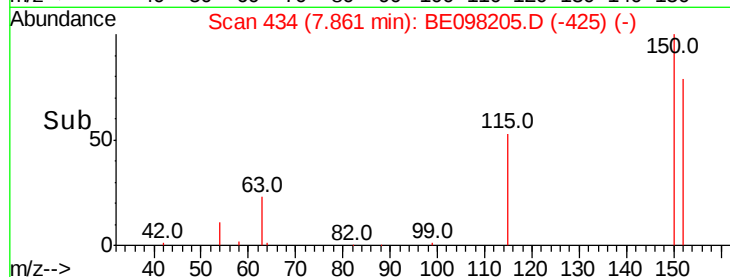
115 71.0 60.3 90.5



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: 0.627 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

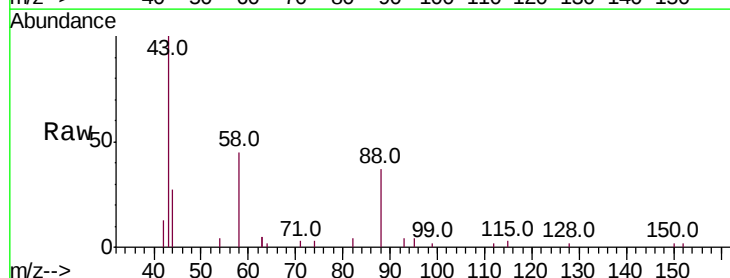
Tgt Ion: 88 Resp: 936

Ion Ratio Lower Upper

88 100

58 89.5 79.0 118.4

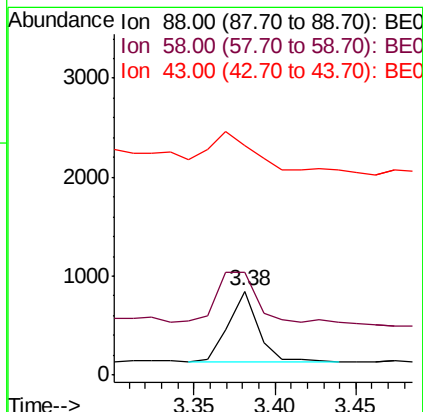
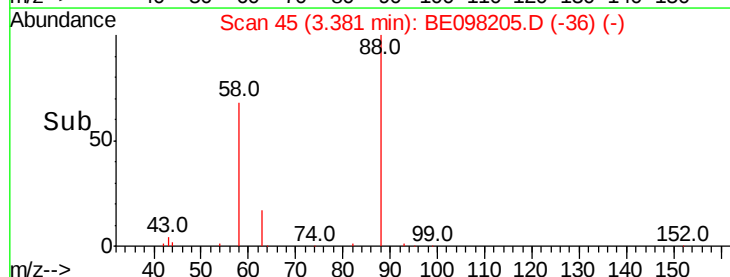
43 70.7 38.1 57.1#

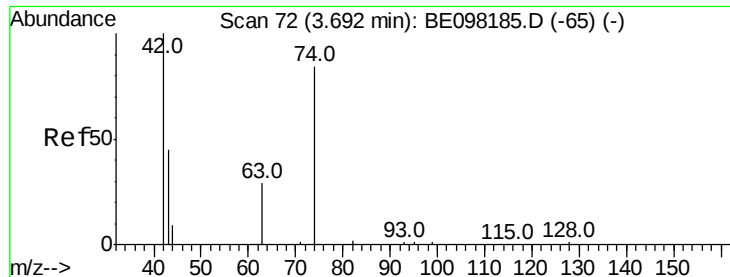


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



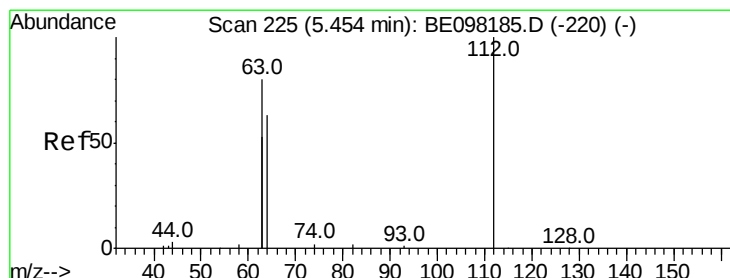
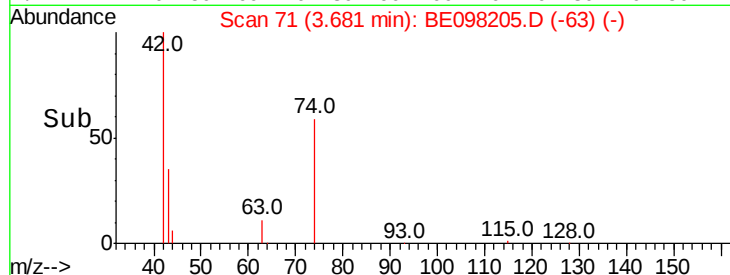
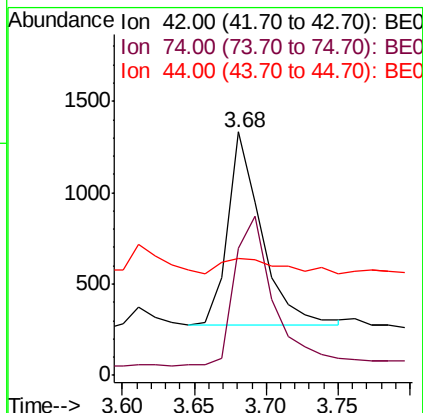
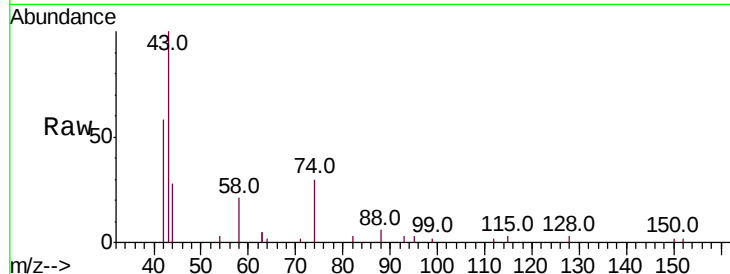


#3

n-Nitrosodimethylamine
 Concen: 0.883 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Instrument :
 BNA_E
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 OLDMANS-2MSD

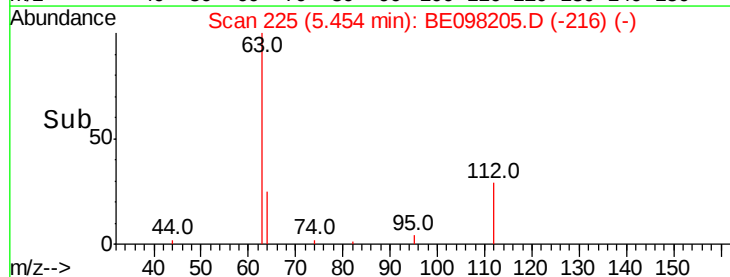
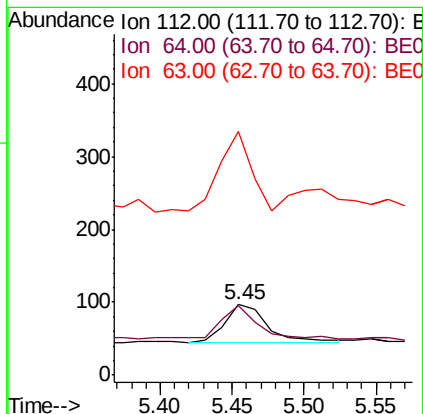
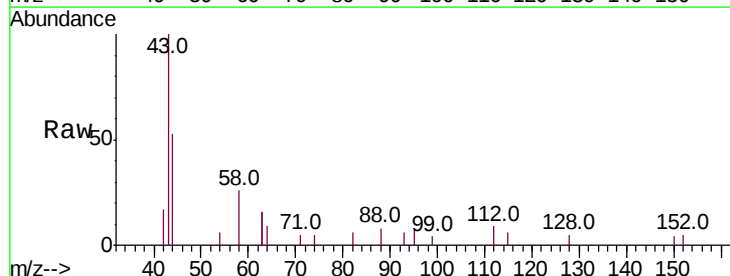
Tot Ion: 42 Resp: 1725
 Ion Ratio Lower Upper
 42 100
 74 89.0 61.7 92.5
 44 15.0 14.0 21.0

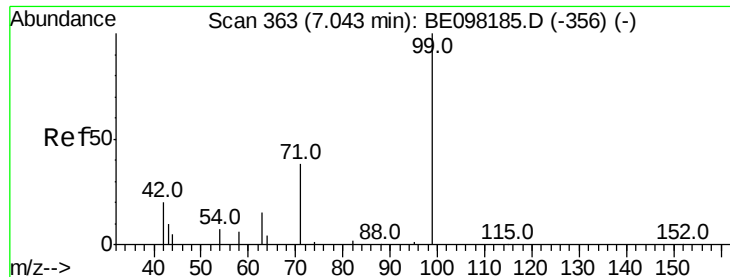


#4

2-Fluorophenol
 Concen: 0.038 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Tgt Ion: 112 Resp: 106
 Ion Ratio Lower Upper
 112 100
 64 79.2 61.7 92.5
 63 155.7 136.2 204.2





#5

Phenol-d6

Concen: 0.058 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

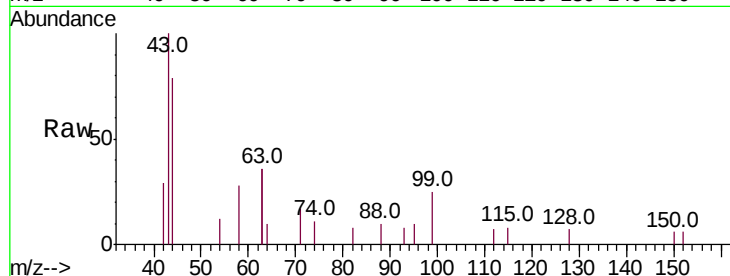
Tot Ion: 99 Resp: 263

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

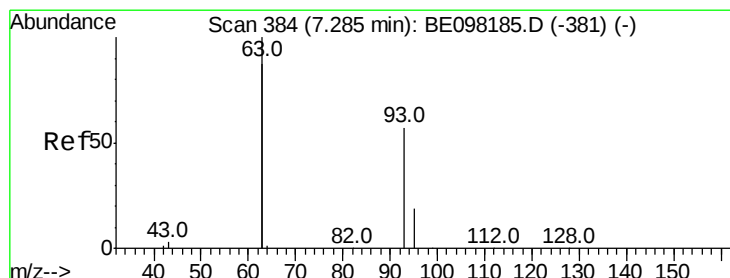
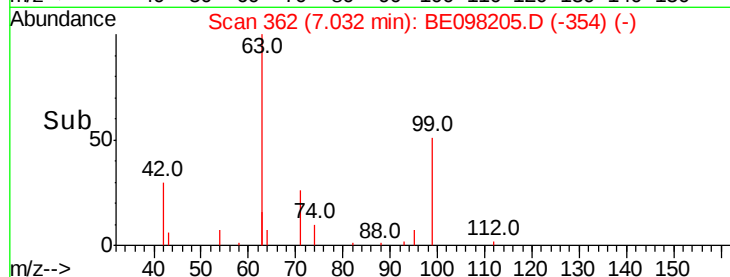
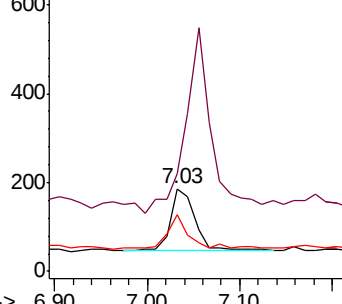
71 52.9 37.0 55.6



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: 0.746 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

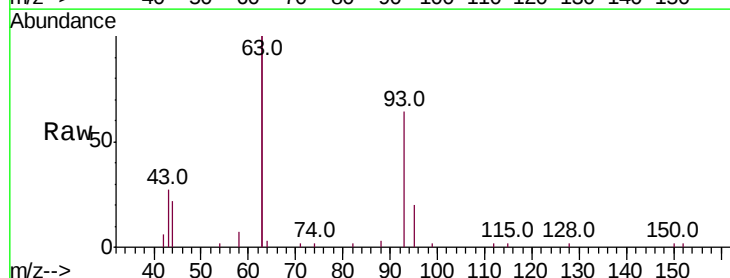
Tgt Ion: 93 Resp: 2717

Ion Ratio Lower Upper

93 100

63 336.4 272.6 409.0

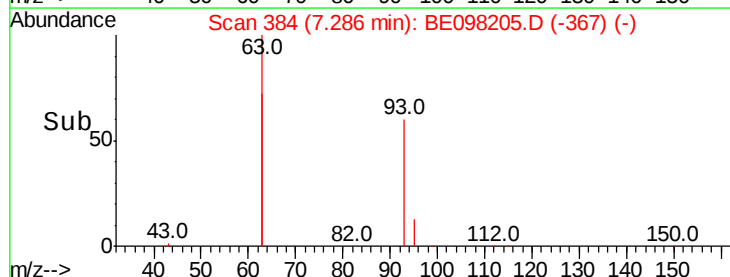
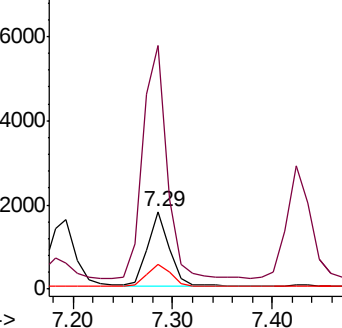
95 32.2 27.1 40.7

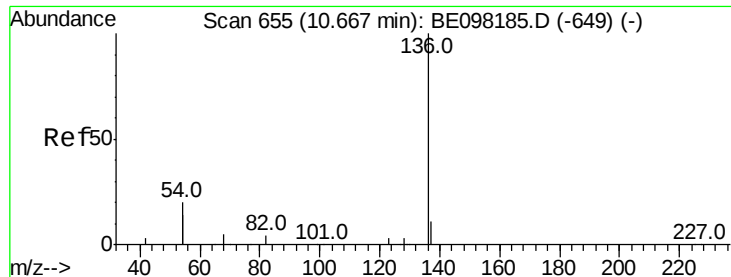


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

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ClientSampleId :

OLDMANS-2MSD

Tot Ion:136 Resp: 4139

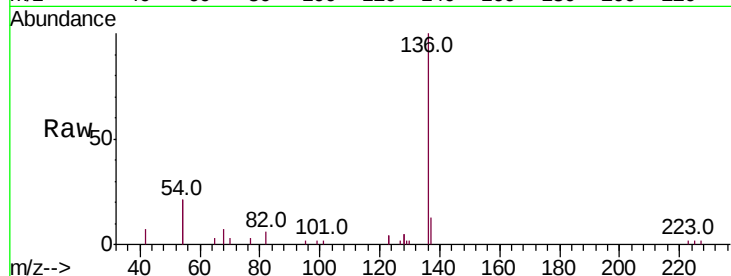
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 42.3 31.3 46.9

68 7.3 4.8 7.2#

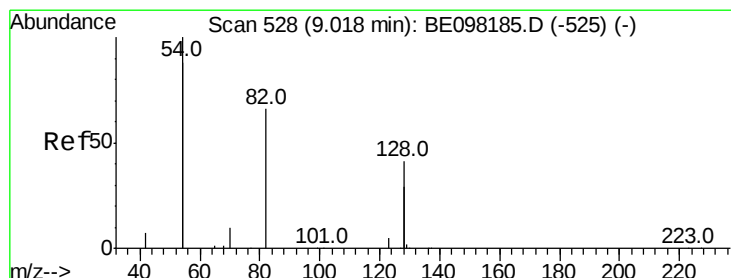
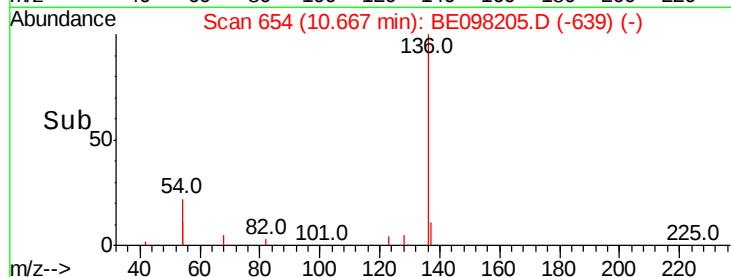
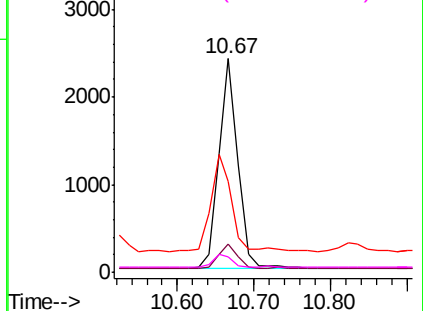


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.034 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

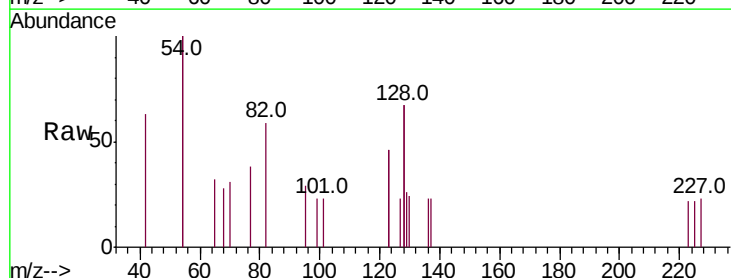
Tgt Ion: 82 Resp: 140

Ion Ratio Lower Upper

82 100

128 226.0 96.1 144.1#

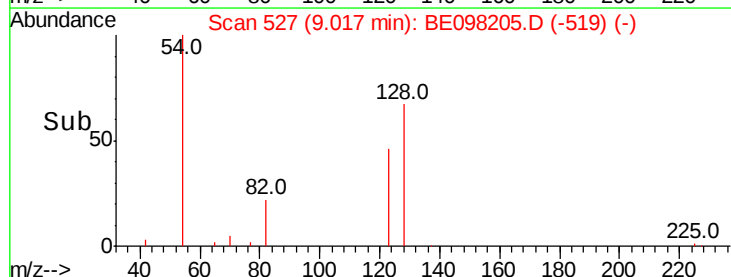
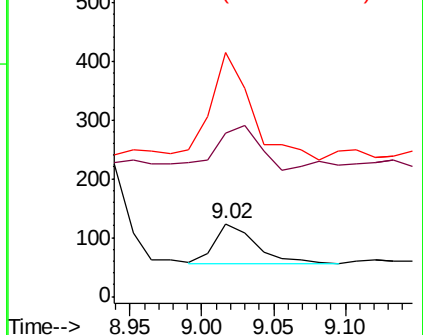
54 336.6 232.0 348.0

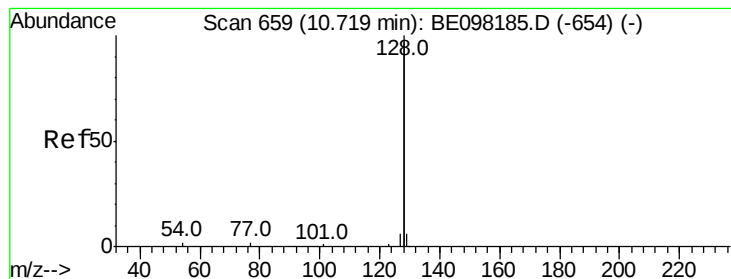


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.879 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

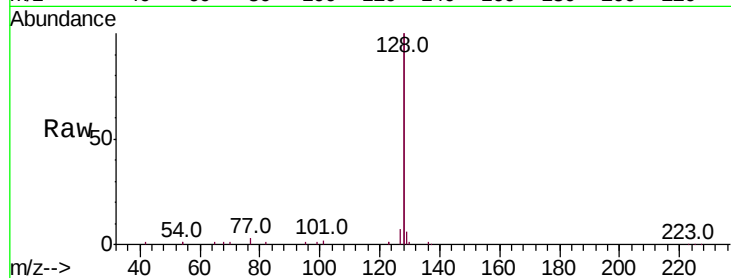
Tot Ion:128 Resp: 37007

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

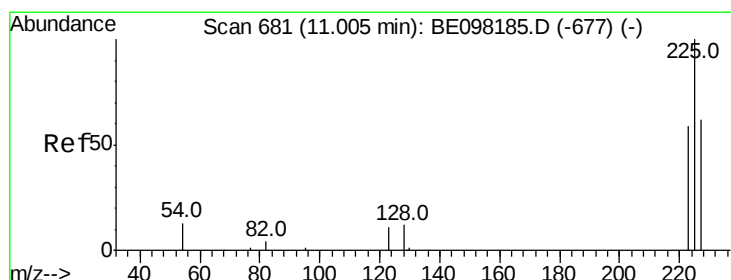
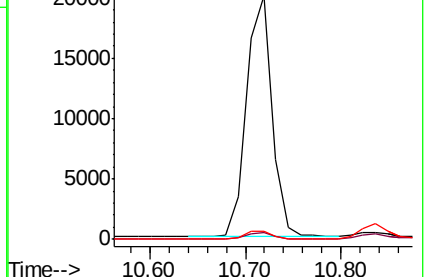
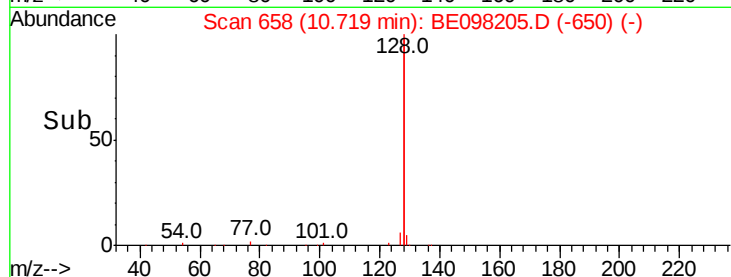
127 3.4 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.724 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

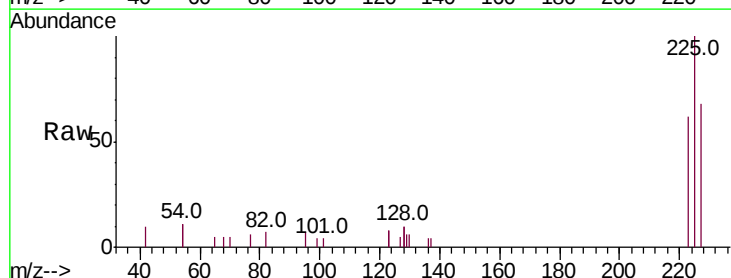
Tgt Ion:225 Resp: 1895

Ion Ratio Lower Upper

225 100

223 63.7 50.5 75.7

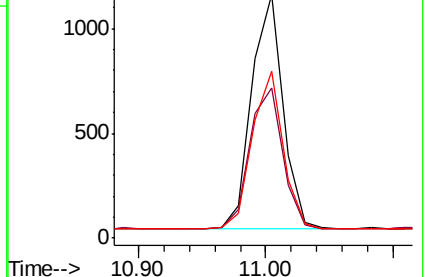
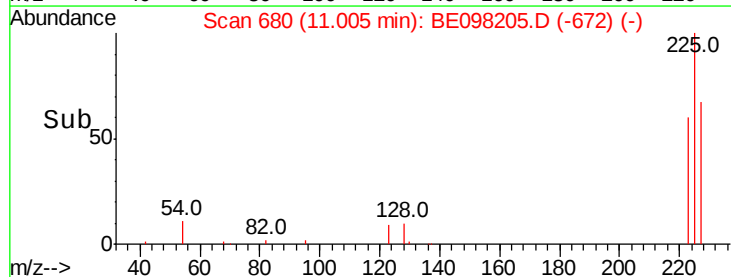
227 66.2 50.3 75.5

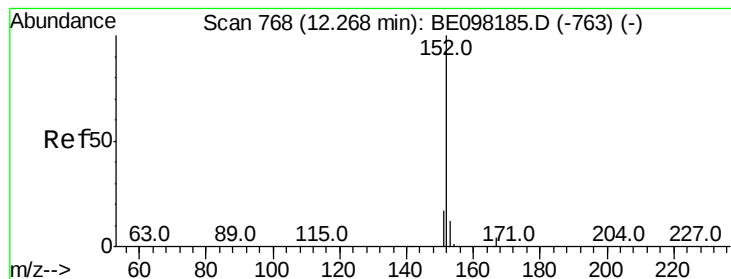


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.090 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.04 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

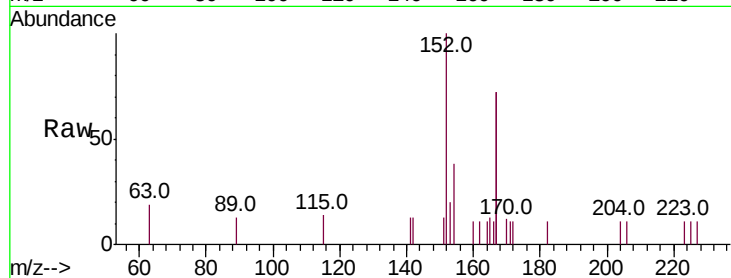
OLDMANS-2MSD

Tot Ion:152 Resp: 655

Ion Ratio Lower Upper

152 100

151 2.7 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

400

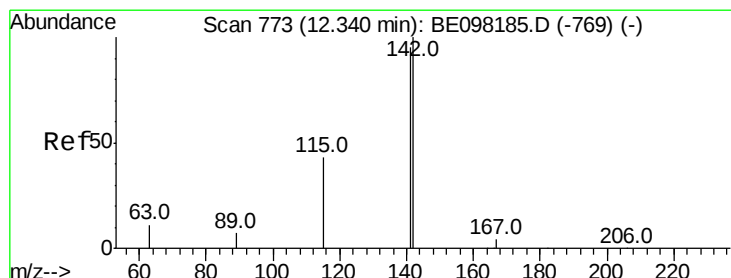
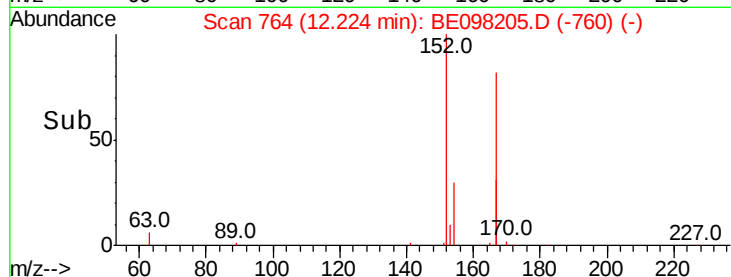
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.882 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

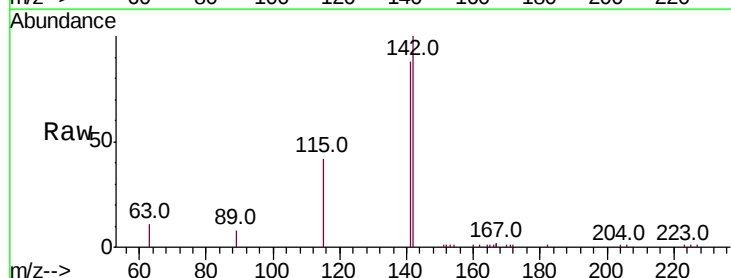
Tgt Ion:142 Resp: 6441

Ion Ratio Lower Upper

142 100

141 88.1 76.3 114.5

115 41.9 35.8 53.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.34

4000

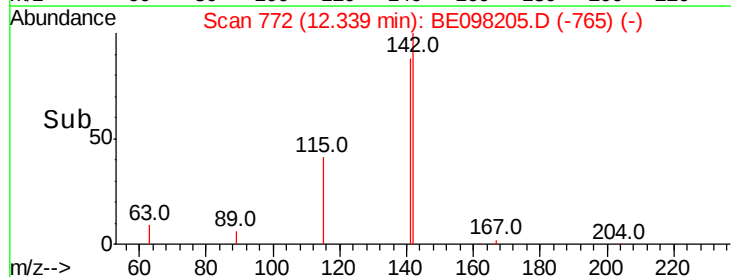
3000

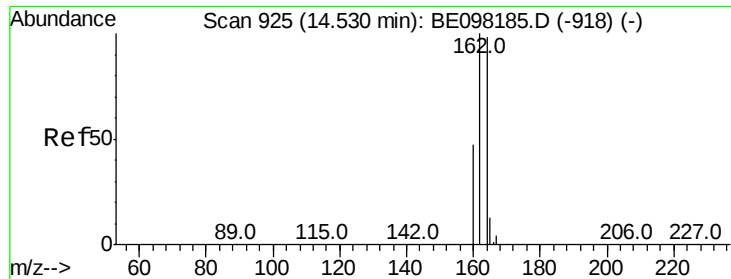
2000

1000

0

Time-->

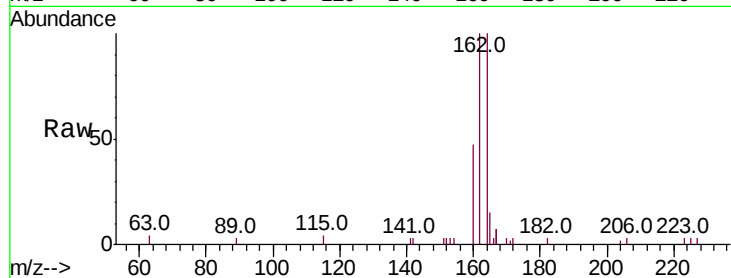




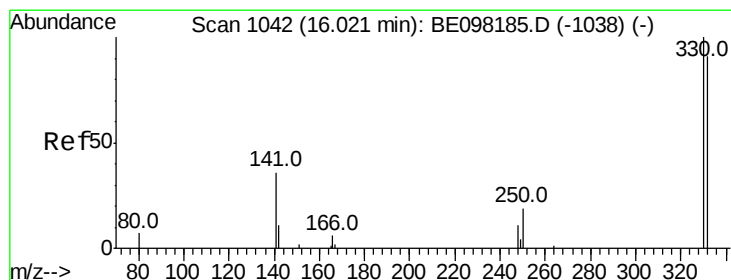
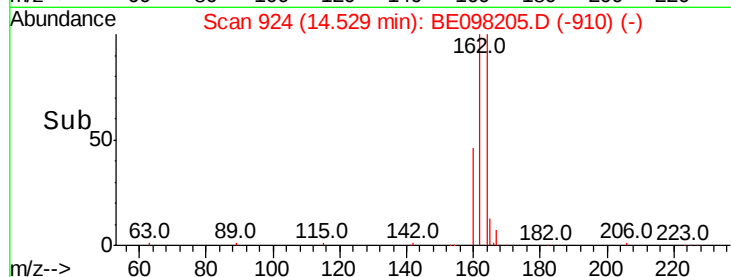
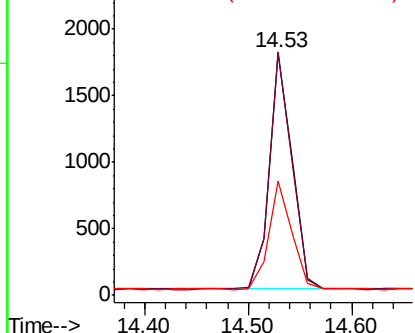
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MSD

Tot Ion:164 Resp: 2721
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.8 122.6
 160 47.1 39.4 59.0

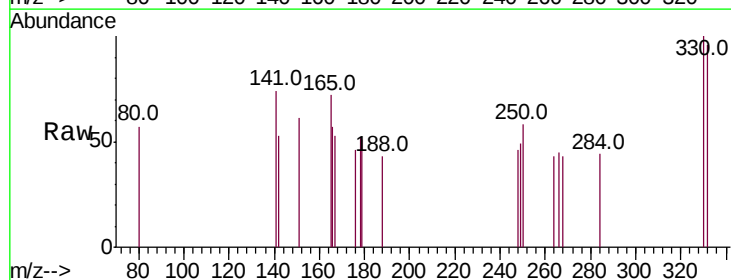


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

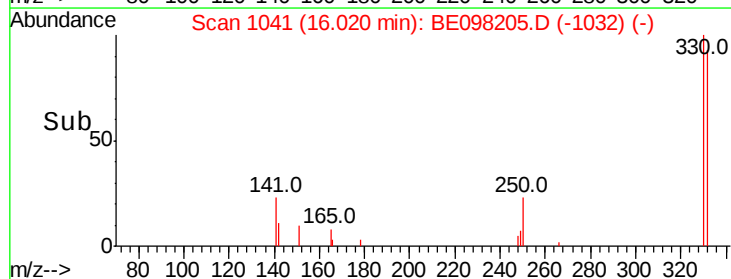
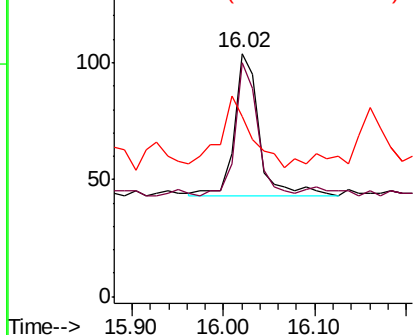


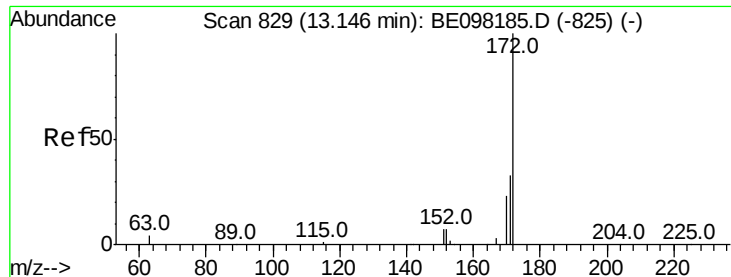
#14
 2,4,6-Tribromophenol
 Concen: 0.097 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Tgt Ion:330 Resp: 115
 Ion Ratio Lower Upper
 330 100
 332 84.3 77.7 116.5
 141 62.6 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

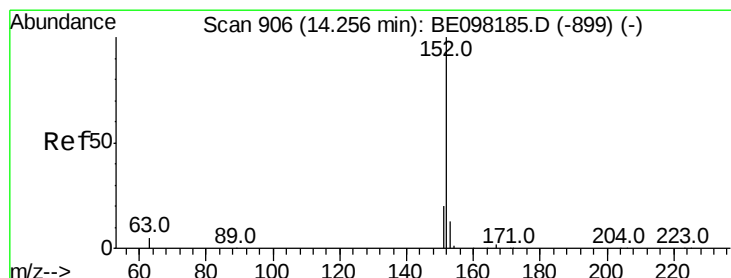
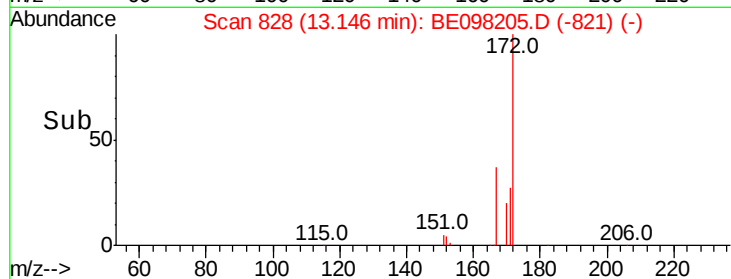
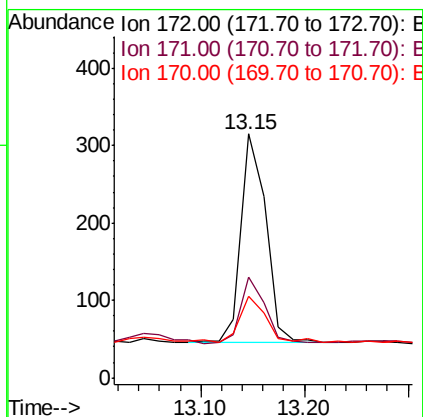
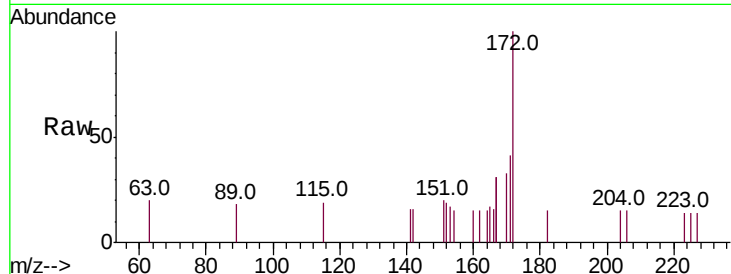




#15
 2-Fluorobiphenyl
 Concen: 0.039 ng
 RT: 13.15 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

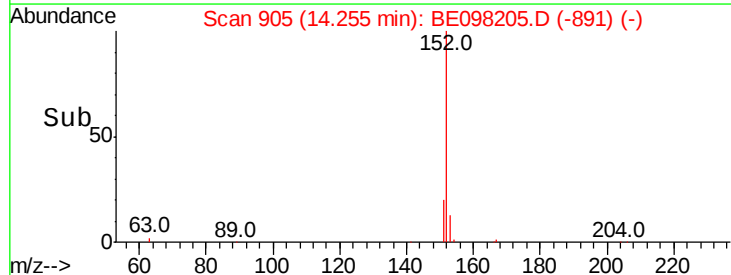
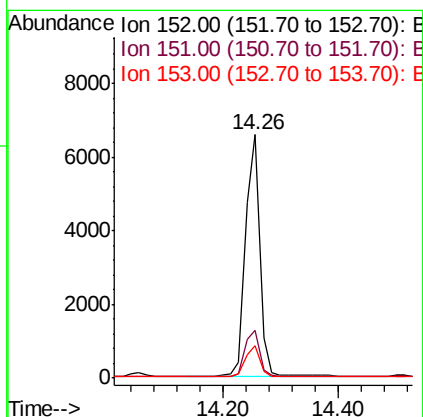
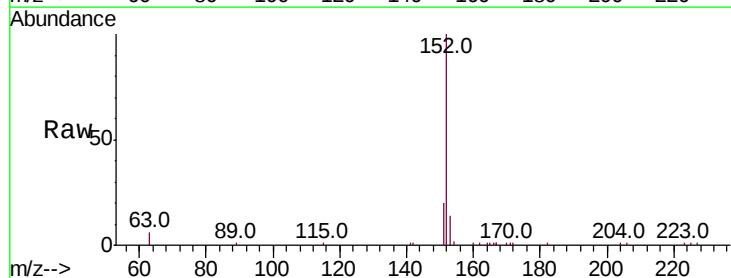
Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MSD

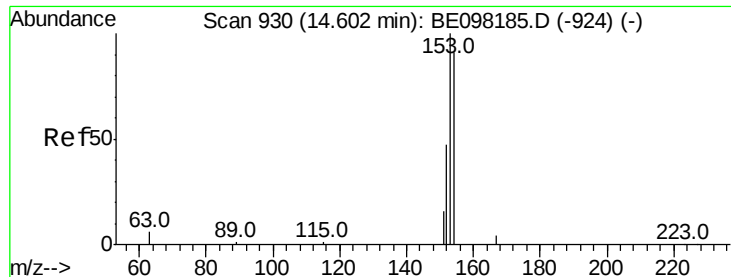
Tot Ion:172 Resp: 446
 Ion Ratio Lower Upper
 172 100
 171 41.3 27.3 40.9#
 170 33.3 19.4 29.0#



#16
 Acenaphthylene
 Concen: 0.908 ng
 RT: 14.26 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Tgt Ion:152 Resp: 11329
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.4 24.6
 153 13.1 10.6 15.8

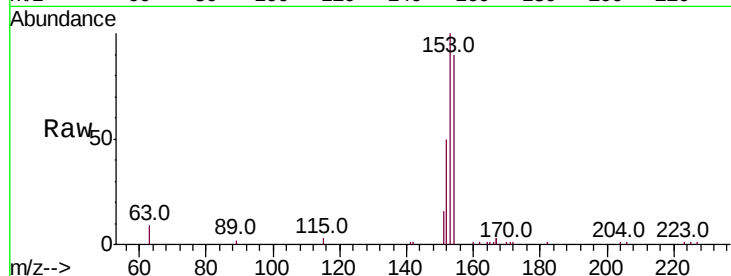




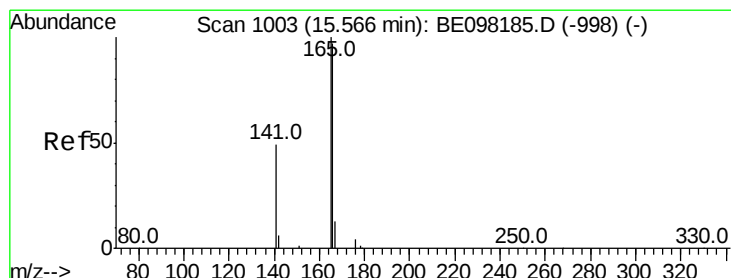
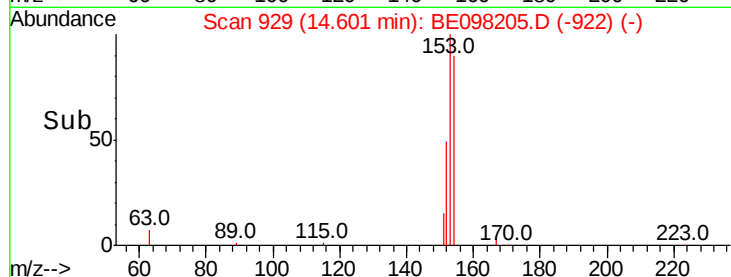
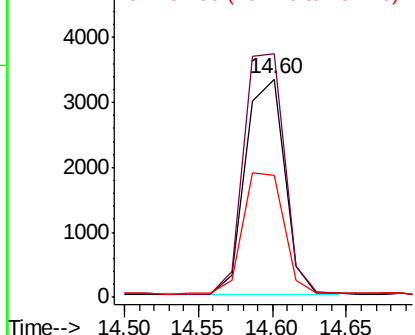
#17
Acenaphthene
Concen: 0.795 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098205.D
Acq: 13 Nov 2018 00:58

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2MSD

Tot Ion:154 Resp: 6055
Ion Ratio Lower Upper
154 100
153 116.5 92.1 138.1
152 59.4 46.2 69.2

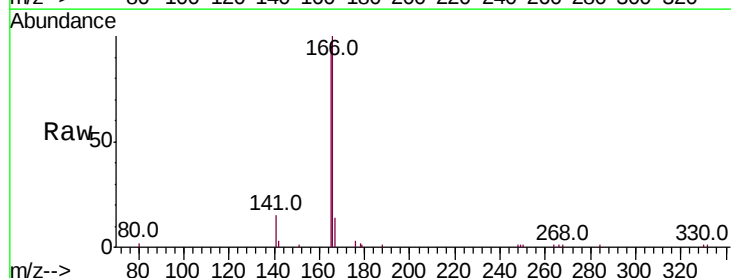


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

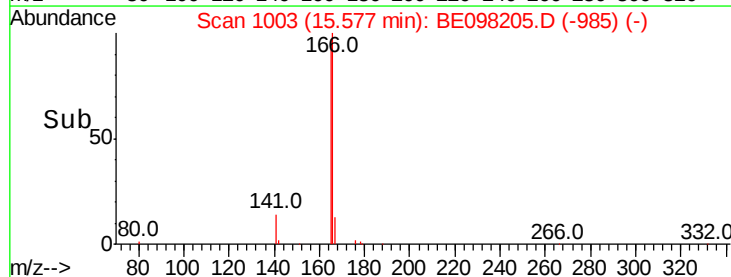
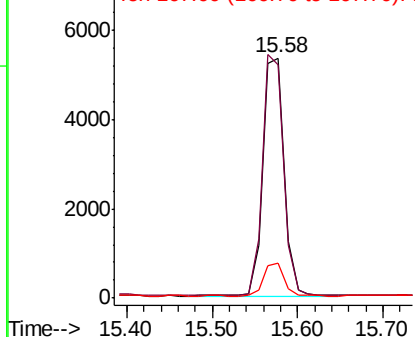


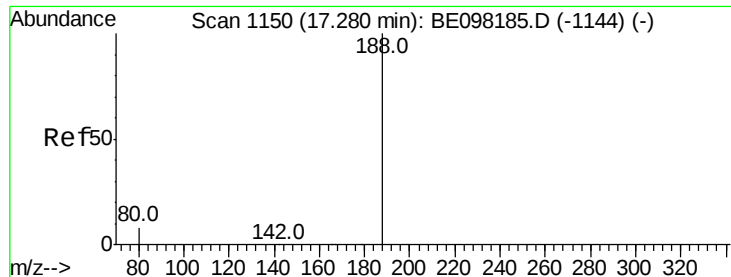
#18
Fluorene
Concen: 0.946 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098205.D
Acq: 13 Nov 2018 00:58

Tgt Ion:166 Resp: 9230
Ion Ratio Lower Upper
166 100
165 100.6 80.1 120.1
167 13.6 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: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

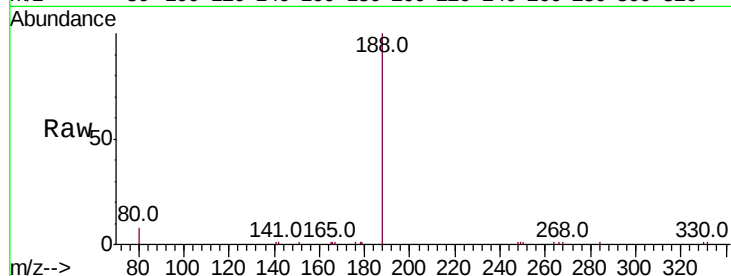
Tot Ion:188 Resp: 7688

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

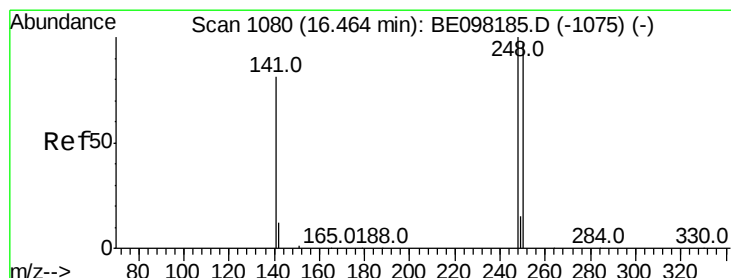
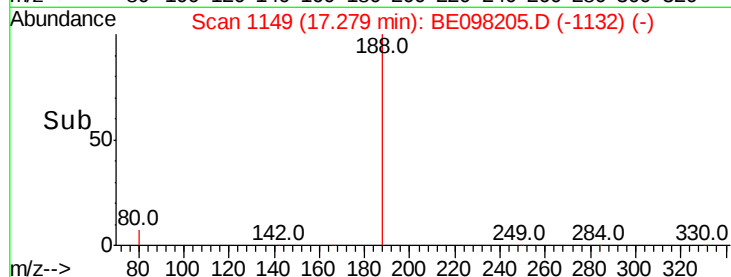
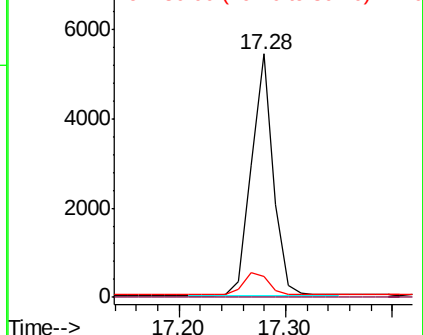
80 8.4 6.7 10.1



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: 0.743 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

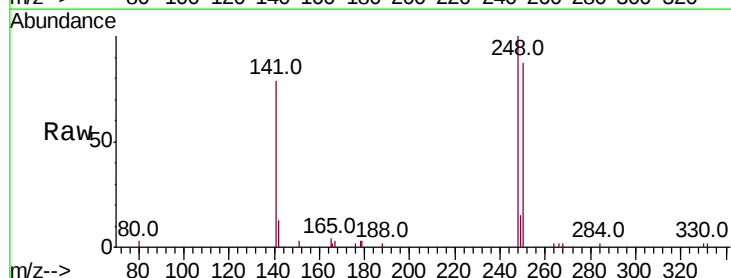
Tgt Ion:248 Resp: 3482

Ion Ratio Lower Upper

248 100

250 87.5 77.6 116.4

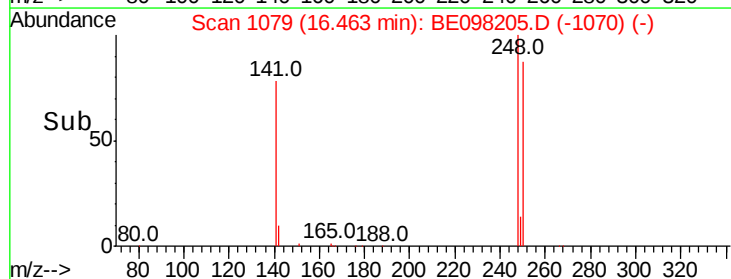
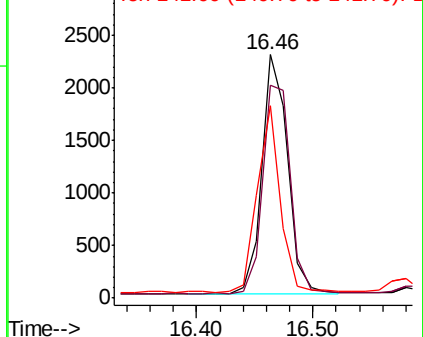
141 79.0 65.8 98.8

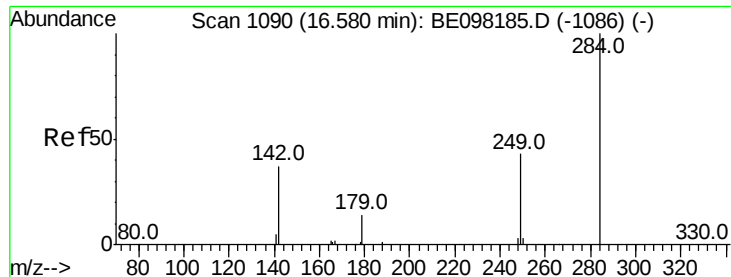


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.693 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

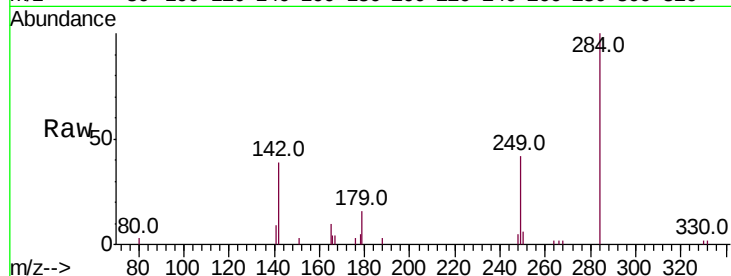
Tot Ion:284 Resp: 3377

Ion Ratio Lower Upper

284 100

142 33.8 26.5 39.7

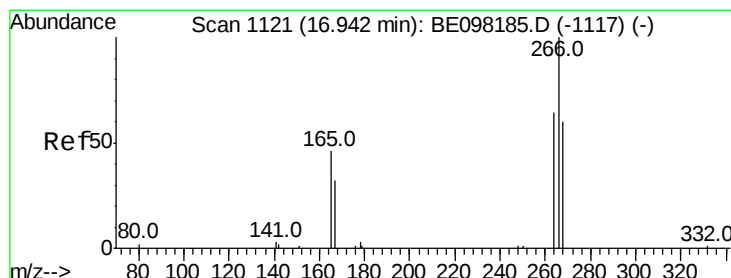
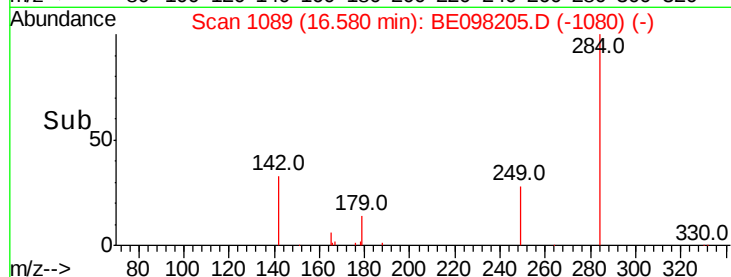
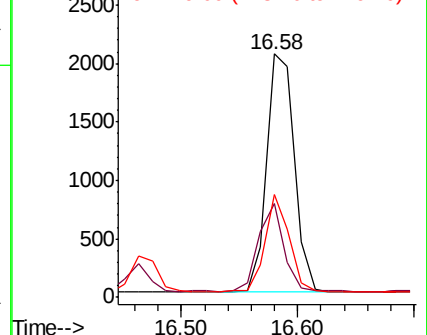
249 35.4 28.4 42.6



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: 1.090 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

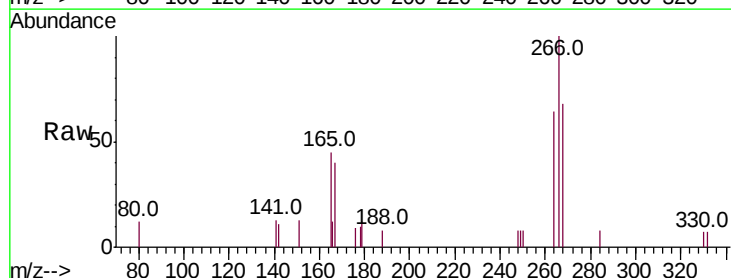
Tgt Ion:266 Resp: 1097

Ion Ratio Lower Upper

266 100

264 63.6 57.6 86.4

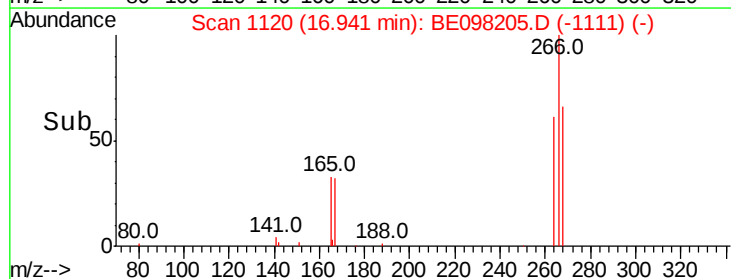
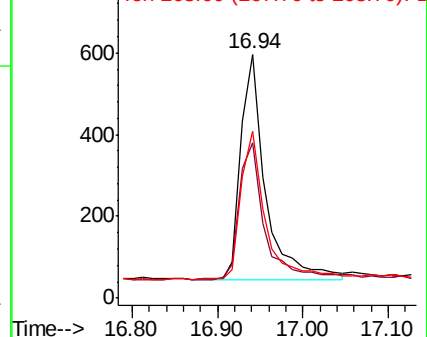
268 68.3 56.8 85.2

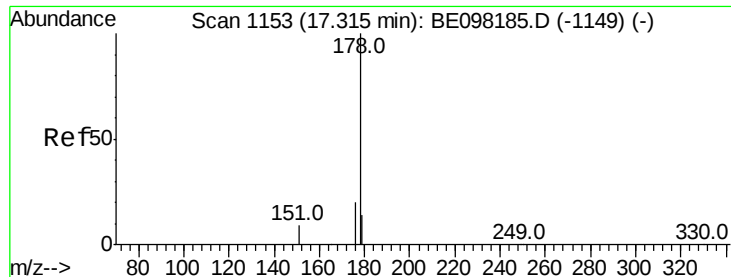


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.029 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

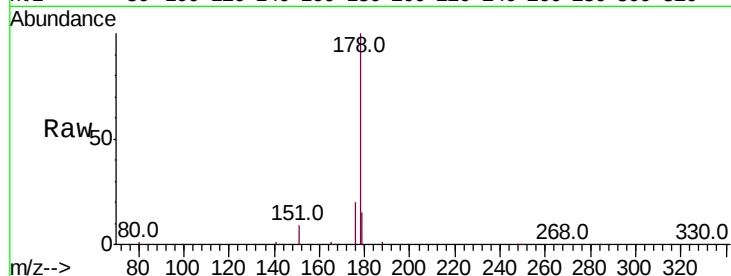
Tot Ion:178 Resp: 19698

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

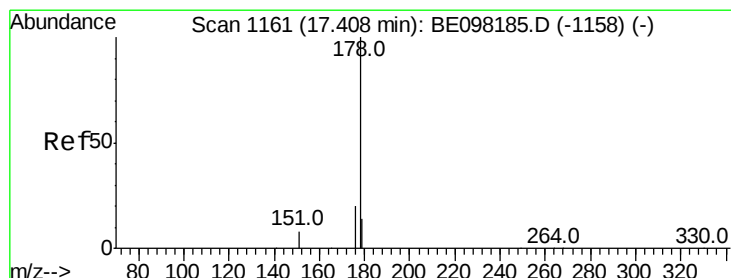
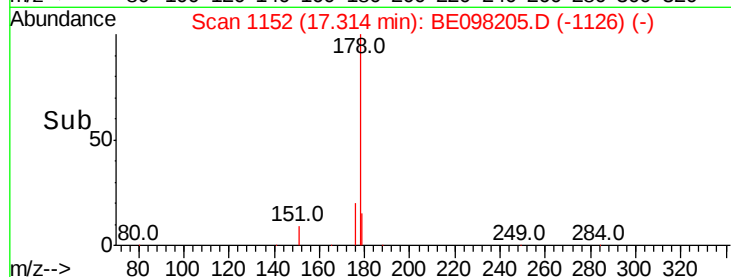
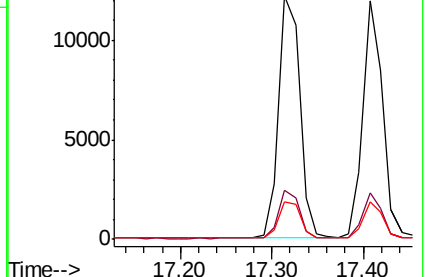
179 15.5 12.3 18.5



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: 1.000 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

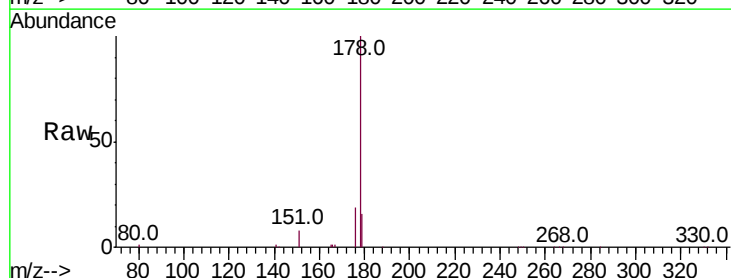
Tgt Ion:178 Resp: 17849

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

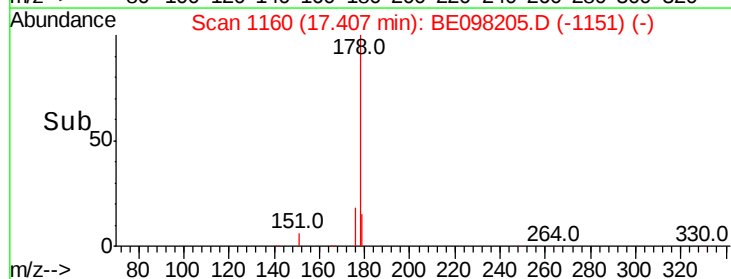
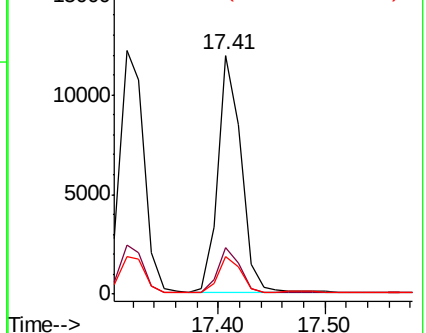
179 15.2 12.1 18.1

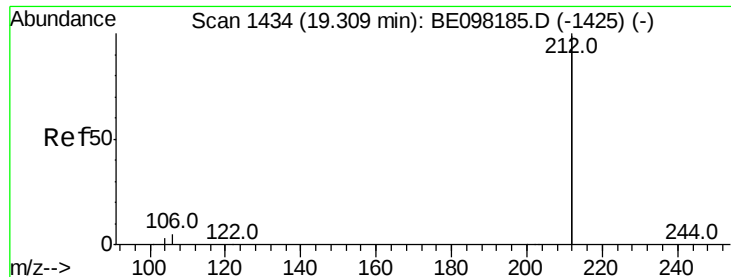


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

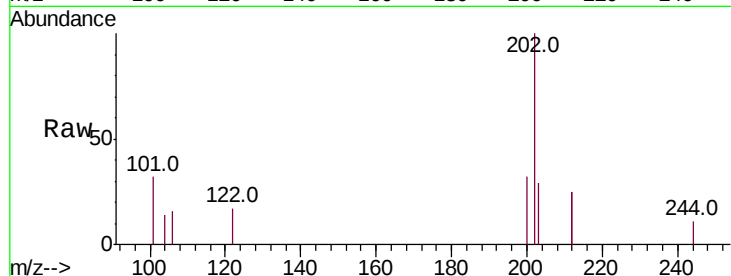
Tot Ion:212 Resp: 41

Ion Ratio Lower Upper

212 100

106 29.3 1.8 2.8#

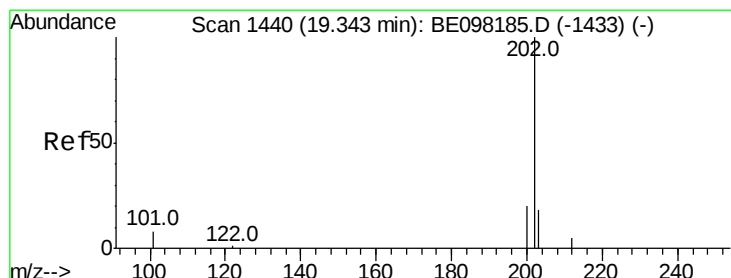
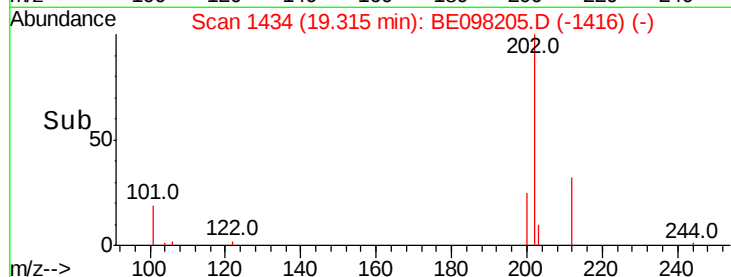
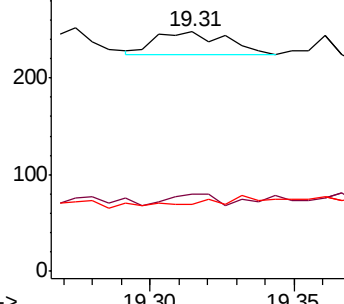
104 0.0 1.1 1.7#



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: 1.518 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

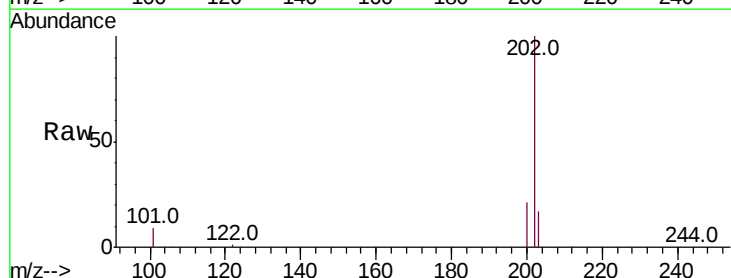
Tgt Ion:202 Resp: 35985

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.6

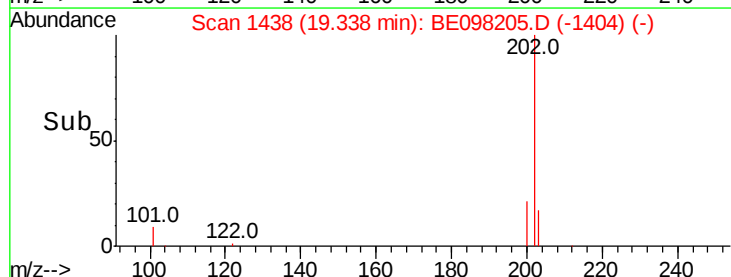
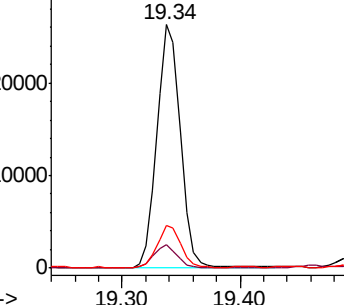
203 17.1 13.7 20.5

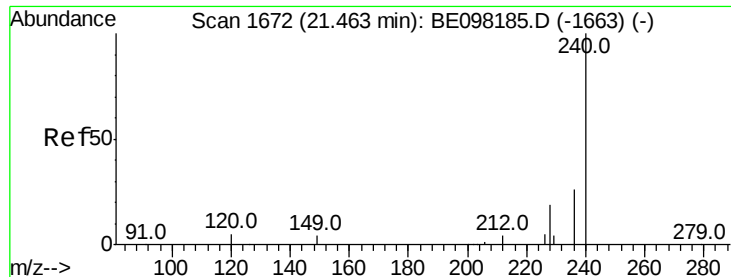


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

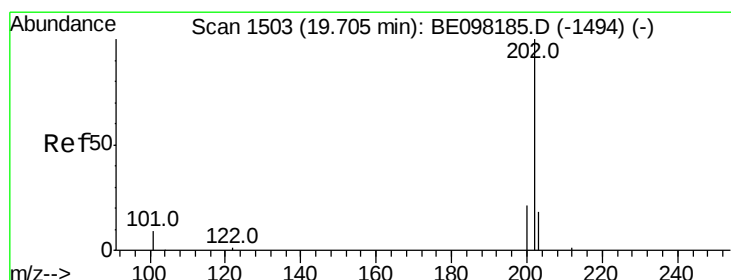
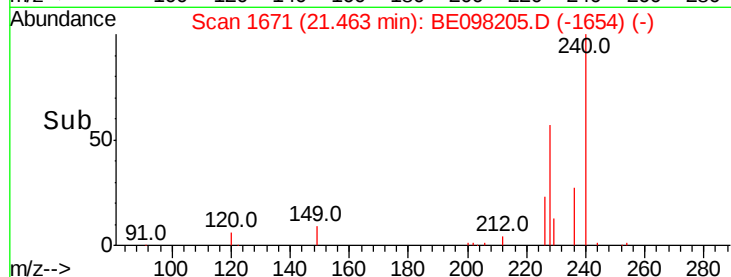
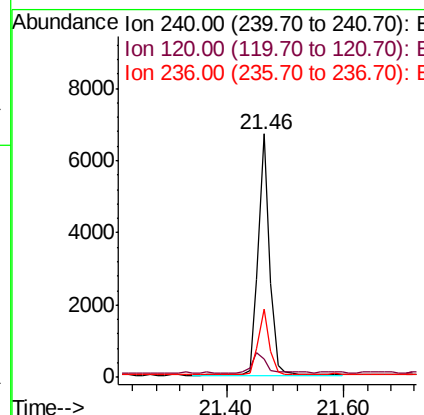
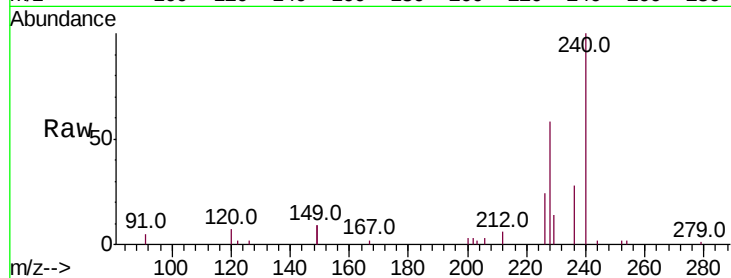




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098205.D
Acq: 13 Nov 2018 00:58

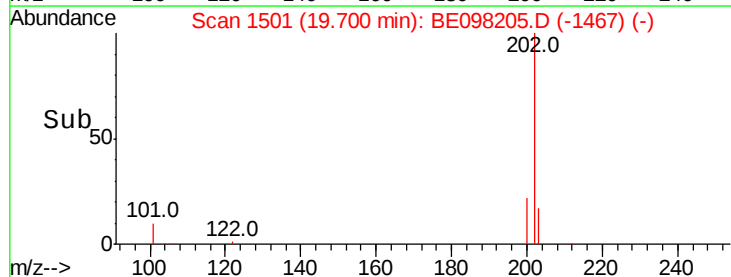
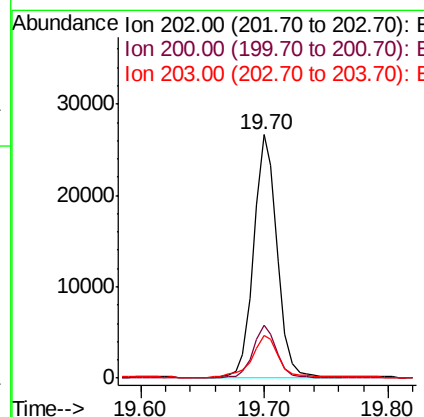
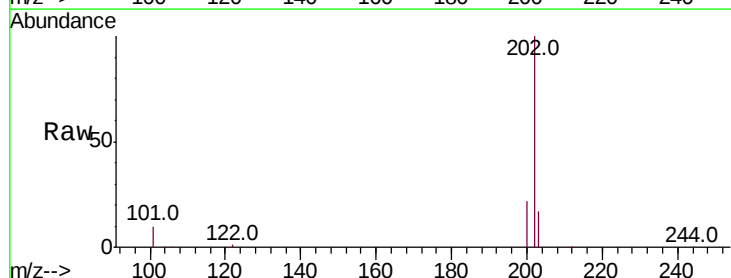
Instrument :
BNA_E
ClientSampleId :
OLDMANS-2MSD

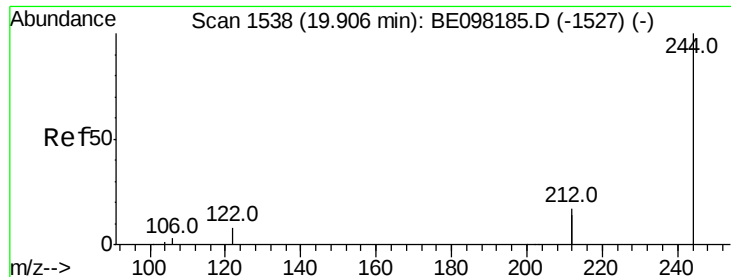
Tot Ion:240 Resp: 9144
Ion Ratio Lower Upper
240 100
120 7.3 4.8 7.2#
236 27.9 21.4 32.0



#28
Pyrene
Concen: 1.388 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098205.D
Acq: 13 Nov 2018 00:58

Tgt Ion:202 Resp: 34916
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 19.5 14.2 21.4





#29

Terphenyl-d14

Concen: 0.042 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

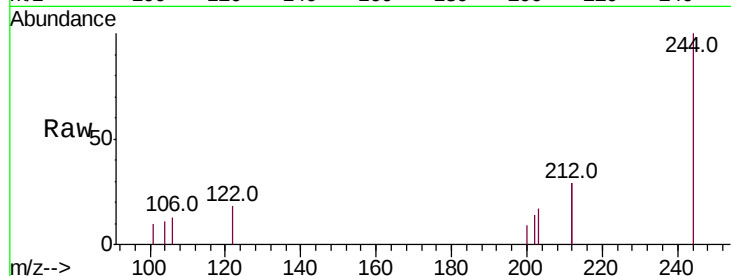
Tot Ion:244 Resp: 879

Ion Ratio Lower Upper

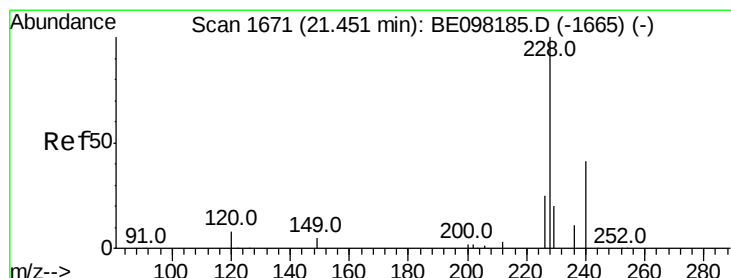
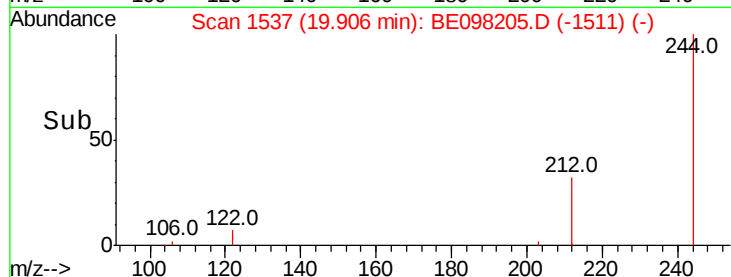
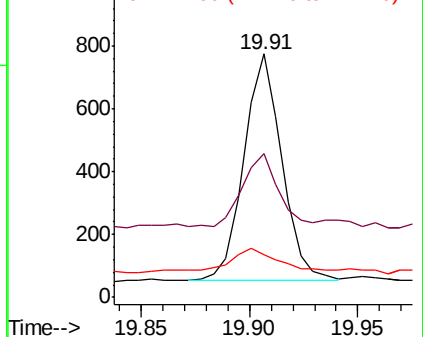
244 100

212 58.8 26.8 40.2#

122 17.8 7.0 10.6#



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



#30

Benzo(a)anthracene

Concen: 1.310 ng

RT: 21.44 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

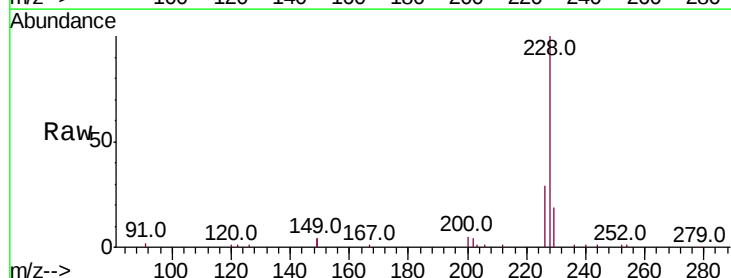
Tgt Ion:228 Resp: 34037

Ion Ratio Lower Upper

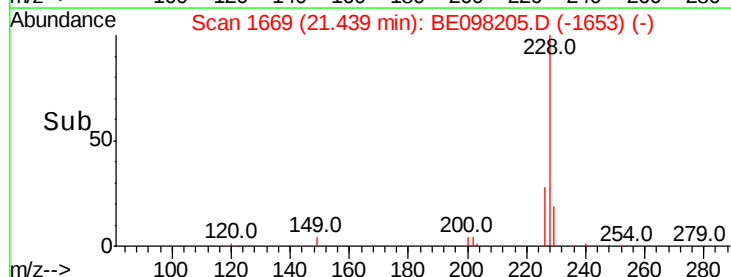
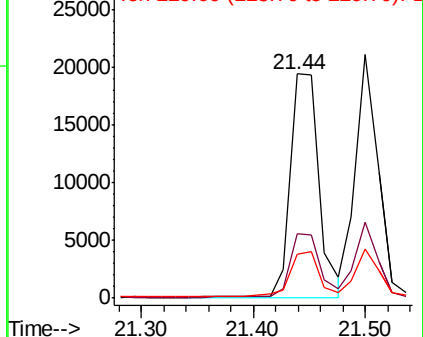
228 100

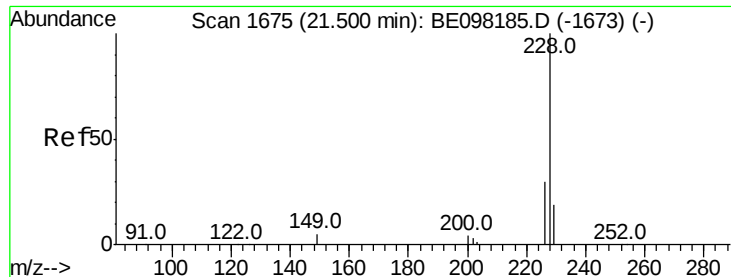
226 28.8 20.7 31.1

229 19.5 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





#31

Chrysene

Concen: 1.105 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

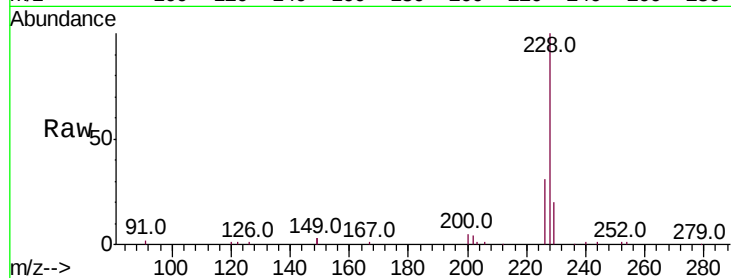
Tot Ion:228 Resp: 29166

Ion Ratio Lower Upper

228 100

226 31.0 24.6 36.8

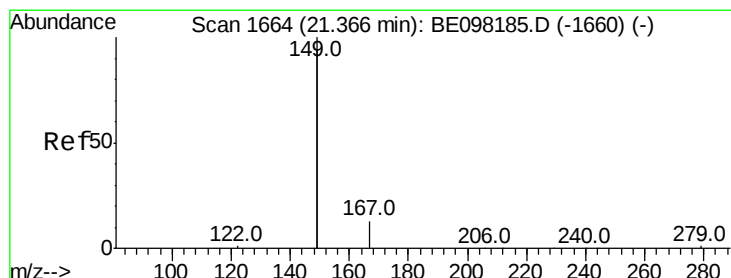
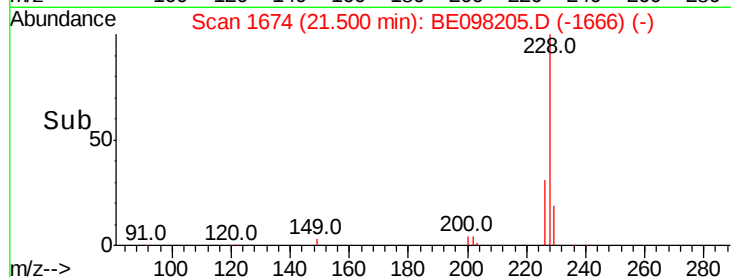
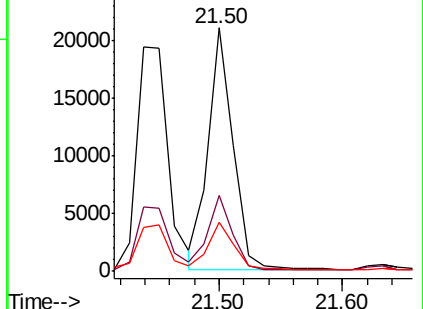
229 20.1 16.0 24.0



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: 0.965 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

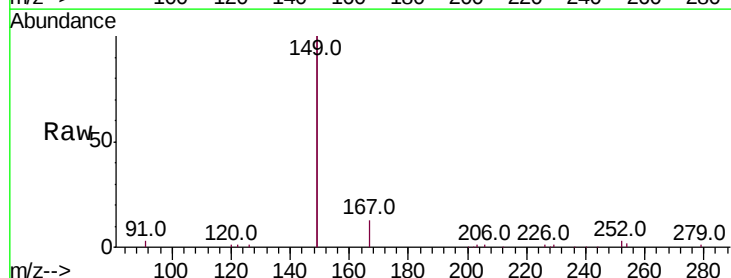
Tgt Ion:149 Resp: 52051

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

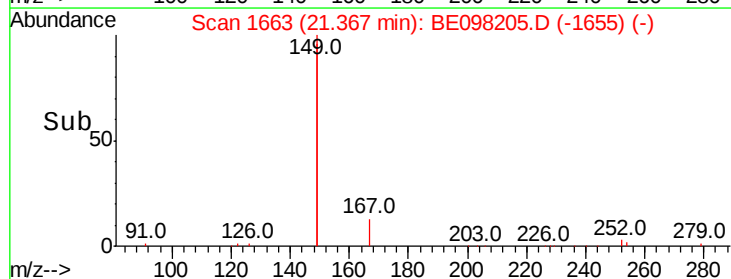
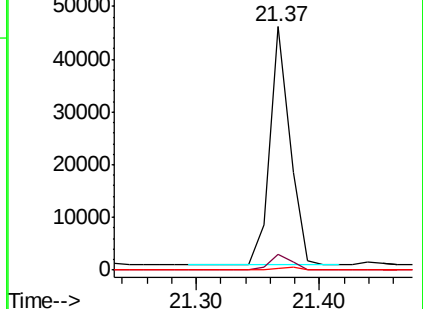
279 1.1 0.9 1.3

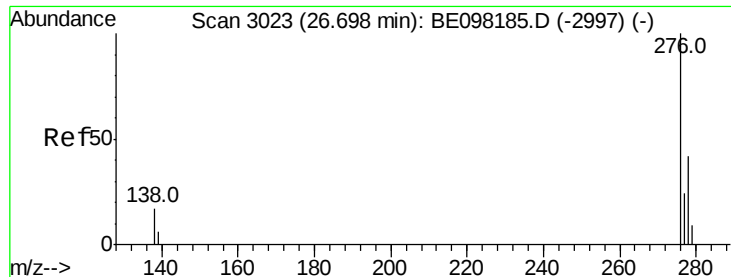


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

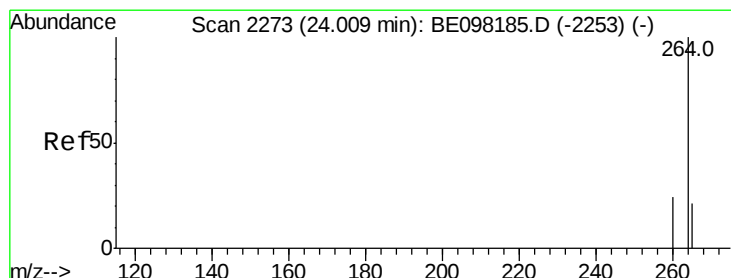
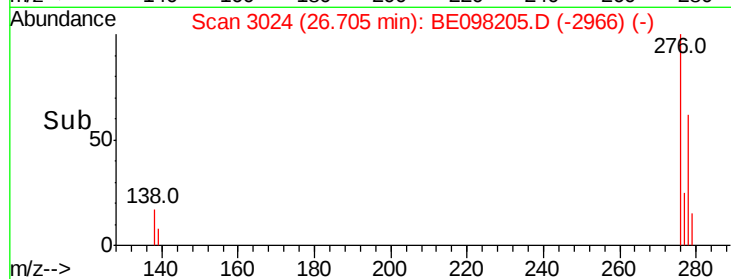
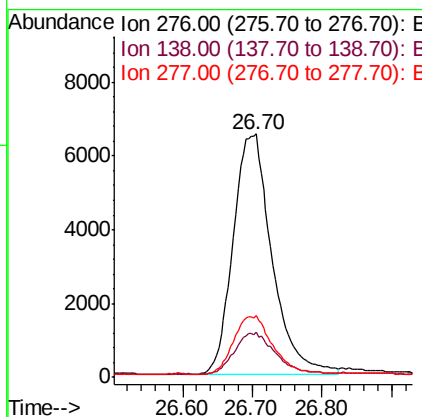
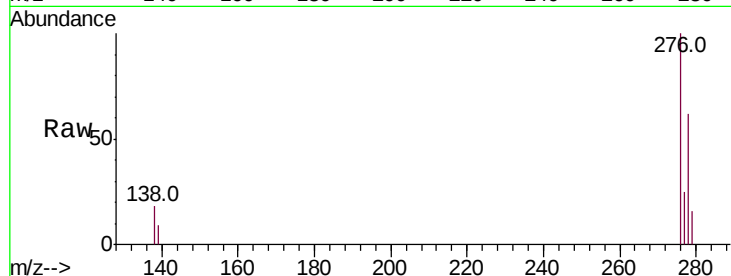




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.036 ng
 RT: 26.70 min Scan# 3024
 Delta R.T. 0.01 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

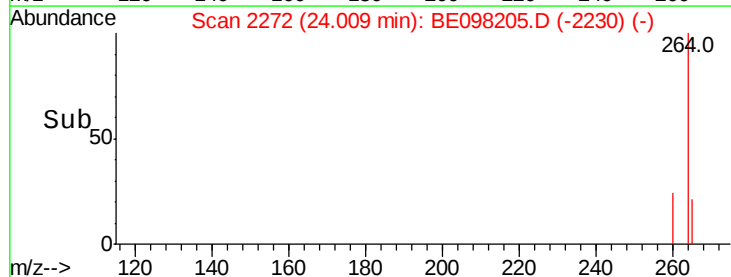
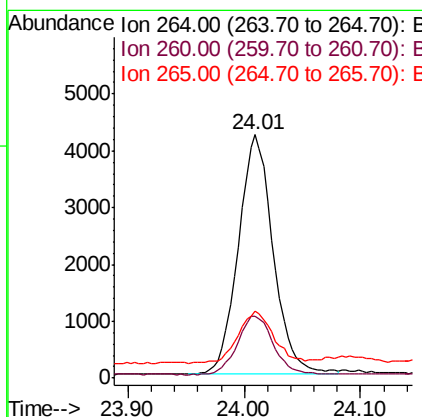
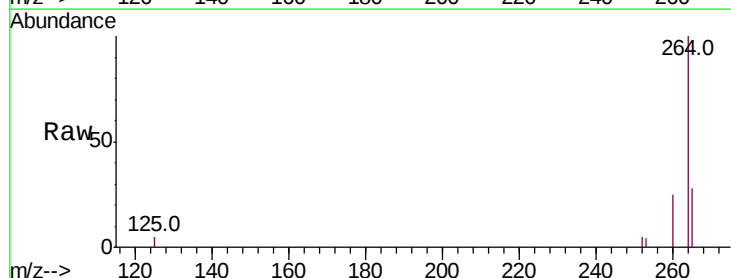
Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MSD

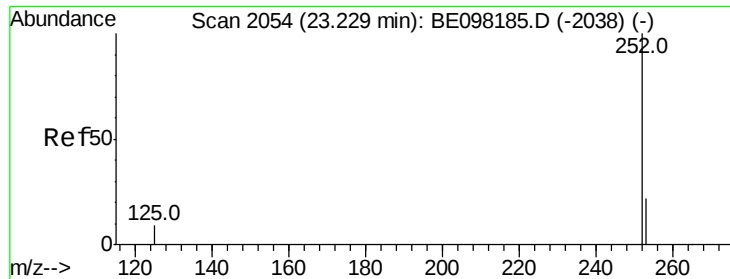
Tot Ion:276 Resp: 25074
 Ion Ratio Lower Upper
 276 100
 138 18.0 6.4 9.6#
 277 24.4 18.9 28.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: BE098205.D
 Acq: 13 Nov 2018 00:58

Tgt Ion:264 Resp: 8757
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.9 29.9
 265 27.6 21.3 31.9





#35

Benzo(b)fluoranthene

Concen: 1.189 ng

RT: 23.23 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

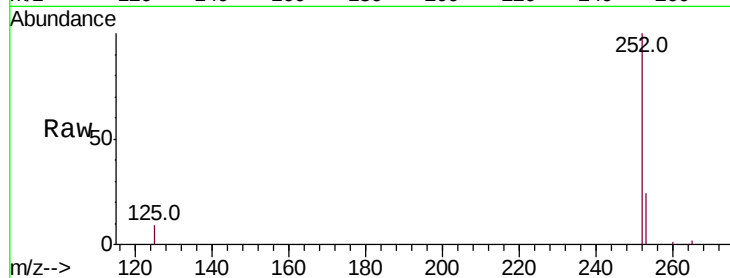
Tot Ion:252 Resp: 29528

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.0

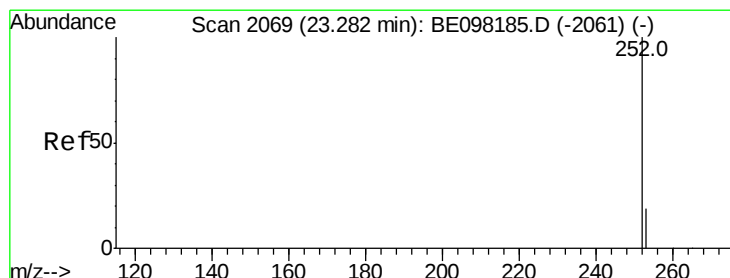
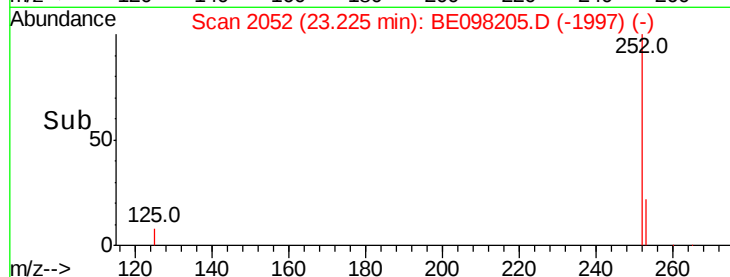
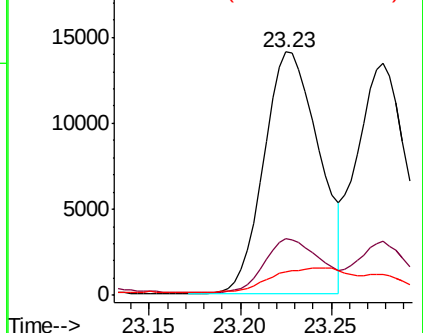
125 9.5 8.6 12.8



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: 1.002 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

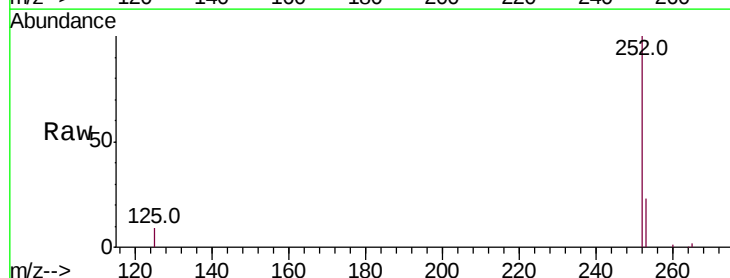
Tgt Ion:252 Resp: 26263

Ion Ratio Lower Upper

252 100

253 23.2 18.6 28.0

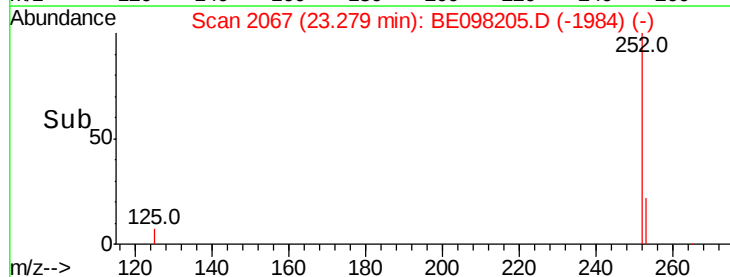
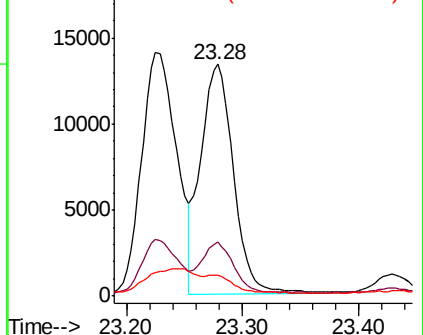
125 8.8 7.4 11.0

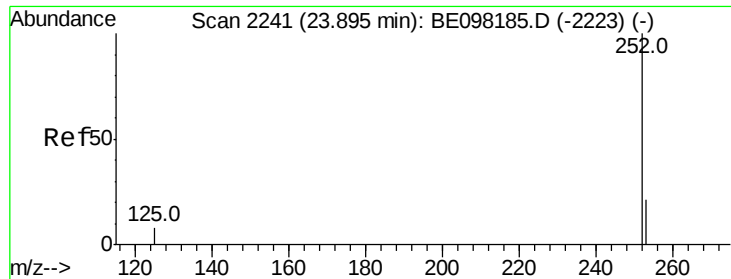


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.155 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

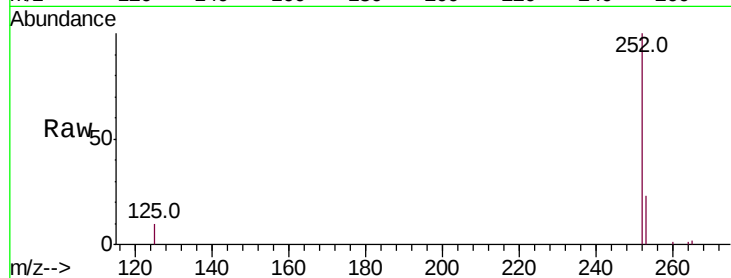
Tot Ion:252 Resp: 27512

Ion Ratio Lower Upper

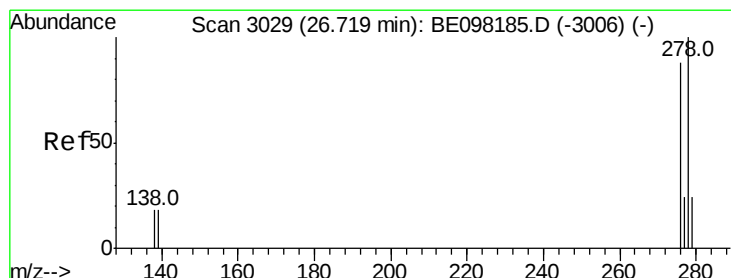
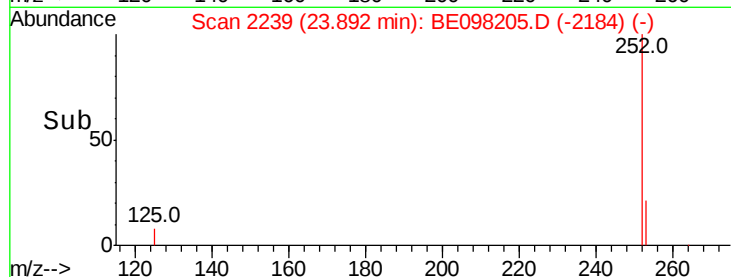
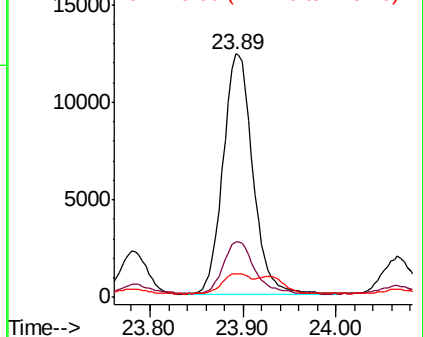
252 100

253 22.9 18.6 27.8

125 9.5 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: 0.911 ng

RT: 26.72 min Scan# 3028

Delta R.T. 0.00 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

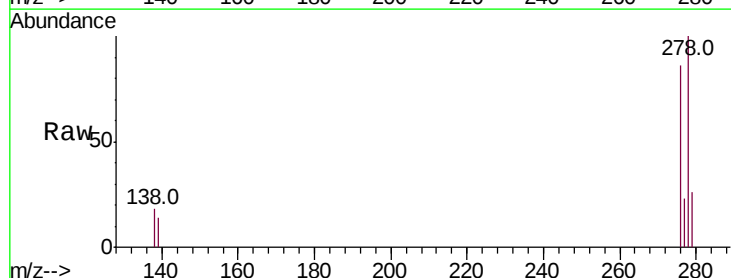
Tgt Ion:278 Resp: 18486

Ion Ratio Lower Upper

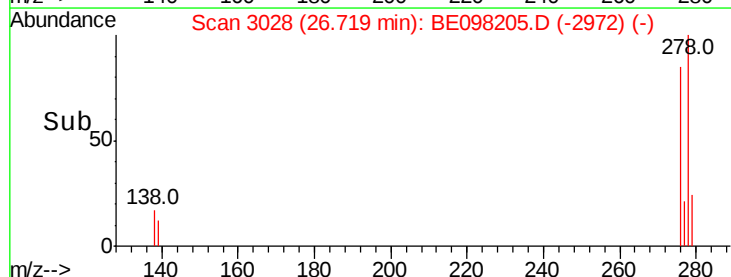
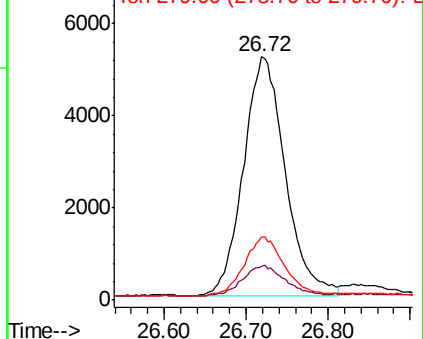
278 100

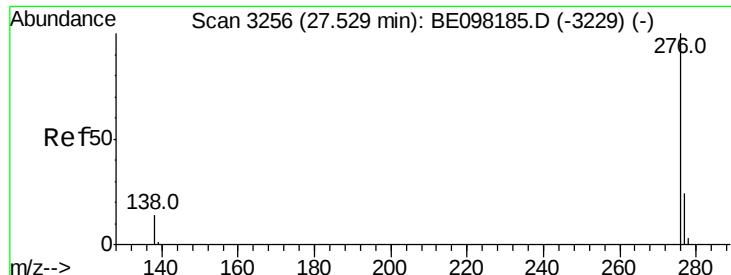
139 13.6 16.4 24.6#

279 25.7 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(a,h,i)perylene

Concen: 1.003 ng

RT: 27.52 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BE098205.D

Acq: 13 Nov 2018 00:58

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MSD

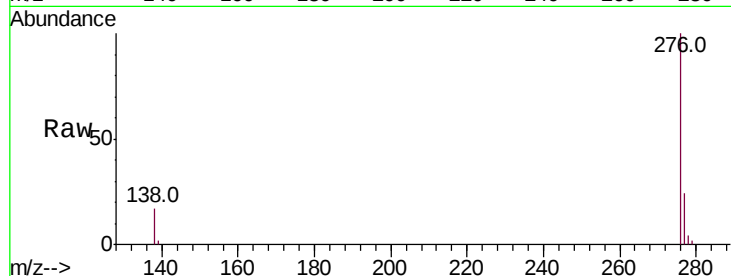
Tot Ion:276 Resp: 21256

Ion Ratio Lower Upper

276 100

277 24.4 20.4 30.6

138 17.1 13.2 19.8



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

