

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE111218\
 Data File : BE098204.D
 Acq On : 13 Nov 2018 00:22
 Operator : SJ/JU
 Sample : J5864-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MS

Quant Time: Nov 13 03:51:34 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	7.87	152	1019	0.40	ng	0.01
7) Naphthalene-d8	10.67	136	4308	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2806	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7932	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9365	0.40	ng	0.00
34) Perylene-d12	24.01	264	8845	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	294	0.10	ng	0.00
5) Phenol-d6	7.04	99	603	0.13	ng	0.00
8) Nitrobenzene-d5	9.02	82	330	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	851	0.11	ng	-0.04
14) 2,4,6-Tribromophenol	16.02	330	268	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1125	0.10	ng	0.00
25) Fluoranthene-d10	19.31	212	82	0.00	ng	0.00
29) Terphenyl-d14	19.91	244	2179	0.10	ng	0.00

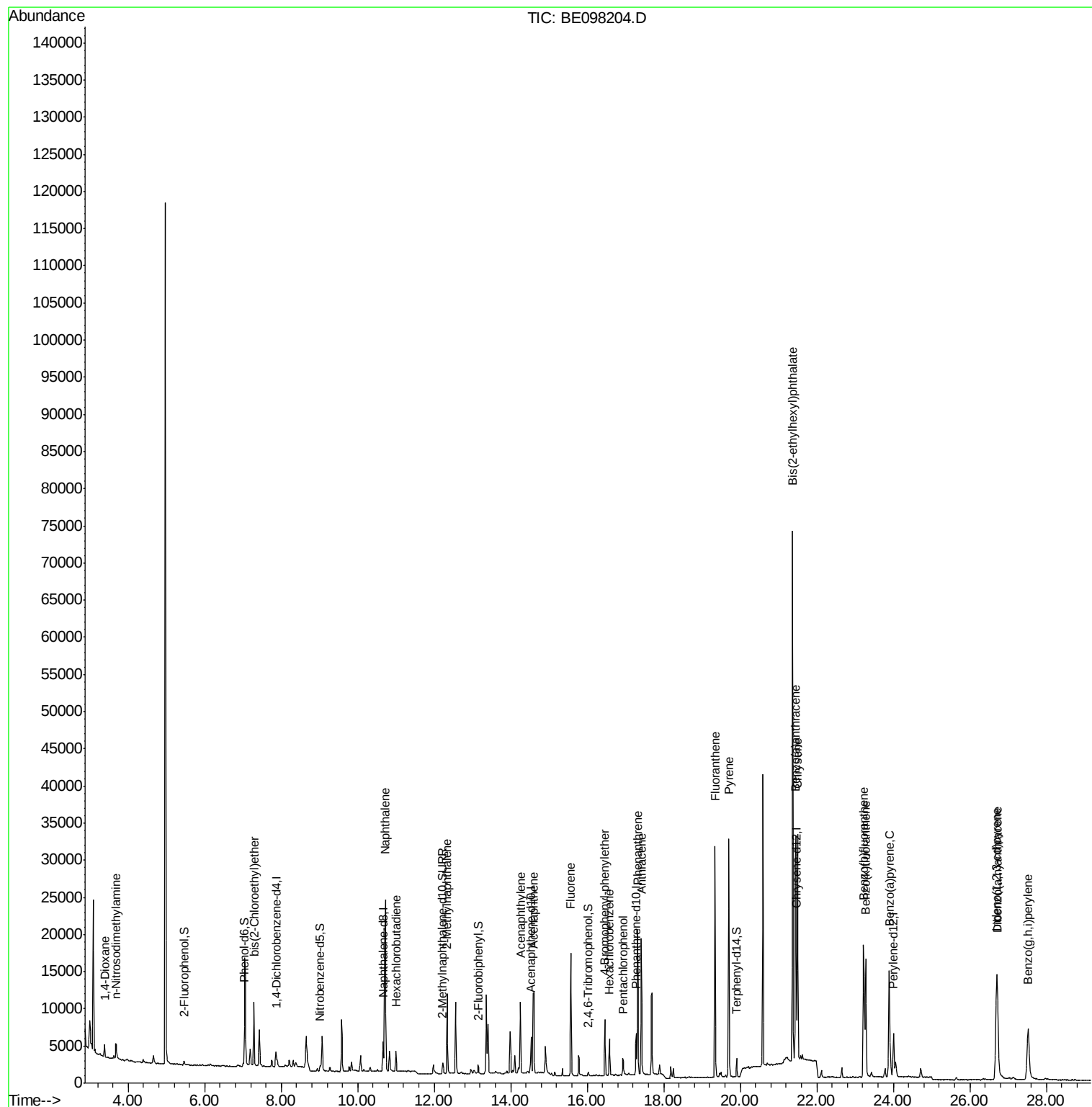
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	943	0.617	ng	# 71
3) n-Nitrosodimethylamine	3.68	42	1799	0.900	ng	# 90
6) bis(2-Chloroethyl)ether	7.29	93	2801	0.751	ng	97
9) Naphthalene	10.72	128	38536	0.880	ng	99
10) Hexachlorobutadiene	11.00	225	2001	0.735	ng	99
12) 2-Methylnaphthalene	12.34	142	6716	0.884	ng	95
16) Acenaphthylene	14.25	152	11952	0.929	ng	98
17) Acenaphthene	14.60	154	6753	0.860	ng	100
18) Fluorene	15.57	166	9966	0.991	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	3753	0.776	ng	94
21) Hexachlorobenzene	16.58	284	3710	0.738	ng	98
22) Pentachlorophenol	16.93	266	1459	1.382	ng	94
23) Phenanthrene	17.32	178	19705	0.997	ng	100
24) Anthracene	17.41	178	18408	1.000	ng	99
26) Fluoranthene	19.34	202	28576	1.168	ng	99
28) Pyrene	19.70	202	28332	1.099	ng	99
30) Benzo(a)anthracene	21.45	228	28611	1.075	ng	99
31) Chrysene	21.50	228	26021	0.963	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	73429	1.329	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	24705	0.997	ng	# 92
35) Benzo(b)fluoranthene	23.22	252	25365	1.011	ng	99
36) Benzo(k)fluoranthene	23.27	252	25027	0.945	ng	99
37) Benzo(a)pyrene	23.89	252	24421	1.015	ng	99
38) Dibenzo(a,h)anthracene	26.72	278	19760	0.964	ng	# 91
39) Benzo(g,h,i)perylene	27.52	276	20369	0.952	ng	98

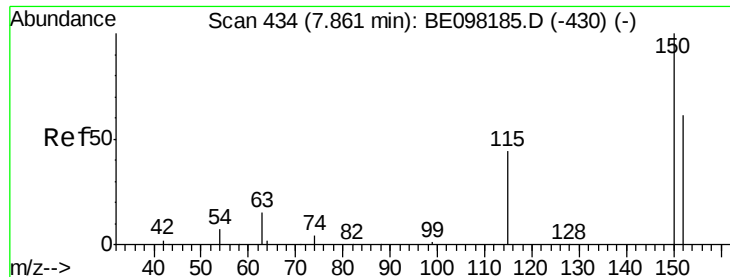
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE111218\
Data File : BE098204.D
Acq On : 13 Nov 2018 00:22
Operator : SJ/JU
Sample : J5864-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2MS

Quant Time: Nov 13 03:51:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. 0.01 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

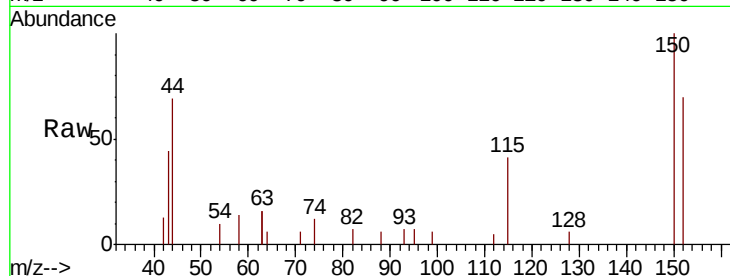
Tgt Ion: 152 Resp: 1019

Ion Ratio Lower Upper

152 100

150 142.9 127.5 191.3

115 58.3 60.3 90.5#

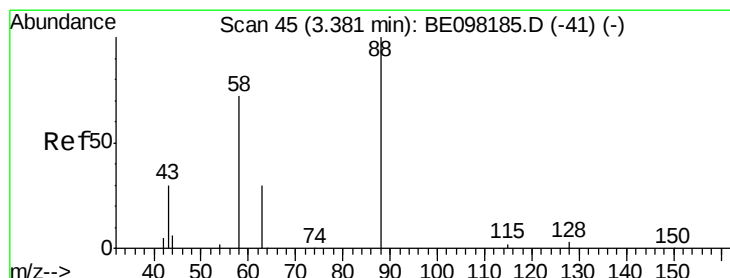
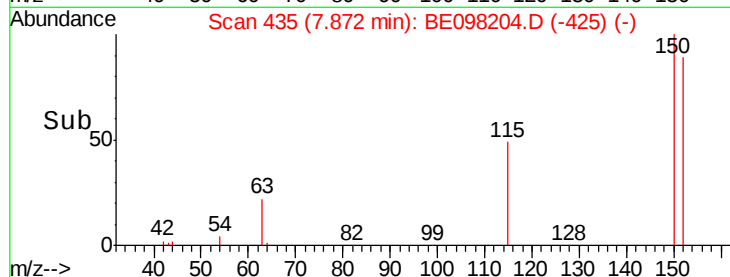
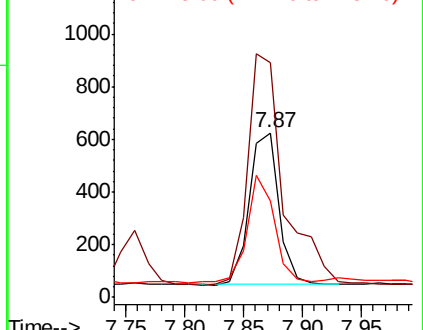


Abundance

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: 0.617 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

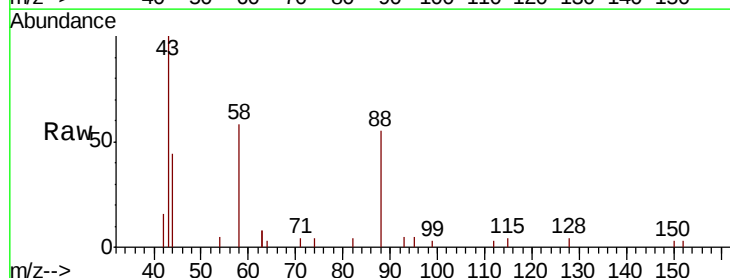
Tgt Ion: 88 Resp: 943

Ion Ratio Lower Upper

88 100

58 116.2 79.0 118.4

43 83.0 38.1 57.1#

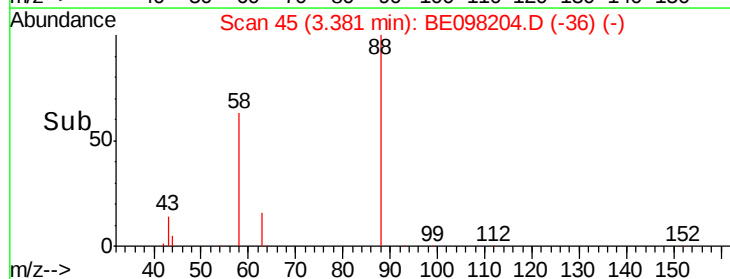
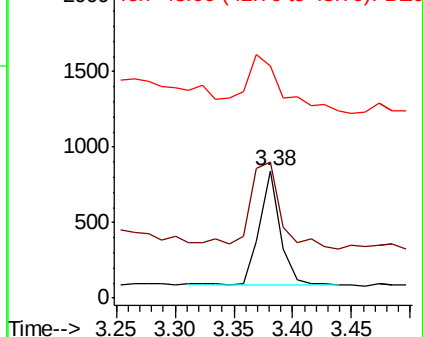


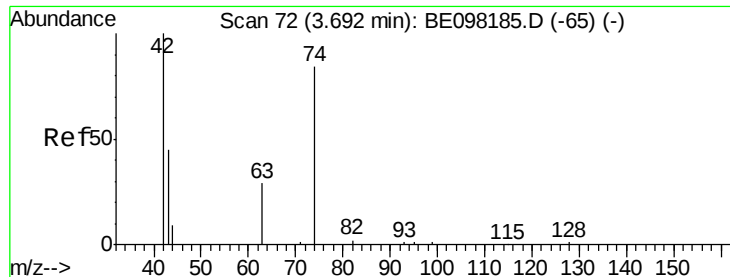
Abundance

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: 0.900 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

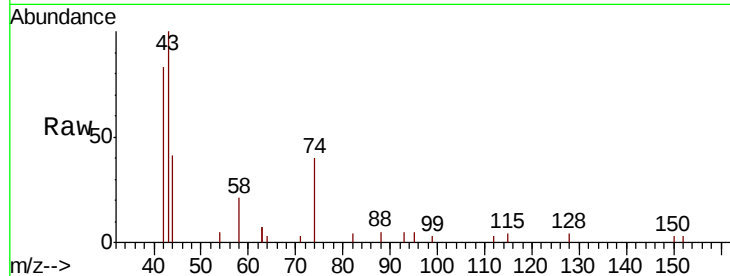
Tgt Ion: 42 Resp: 1799

Ion Ratio Lower Upper

42 100

74 84.2 61.7 92.5

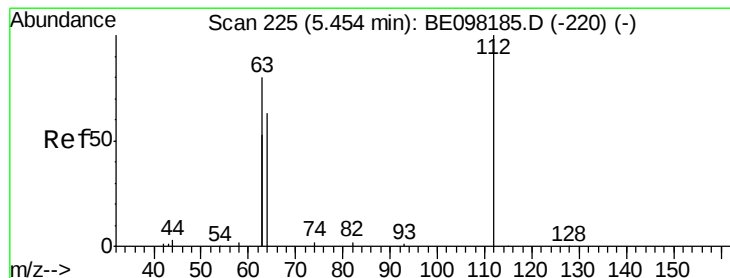
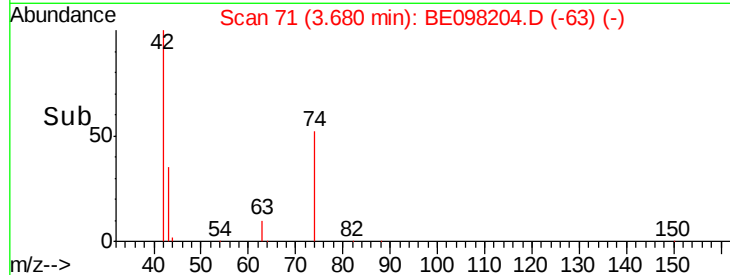
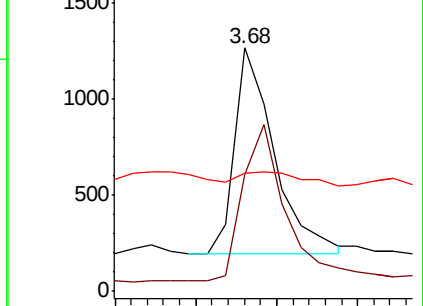
44 10.5 14.0 21.0#



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: 0.102 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

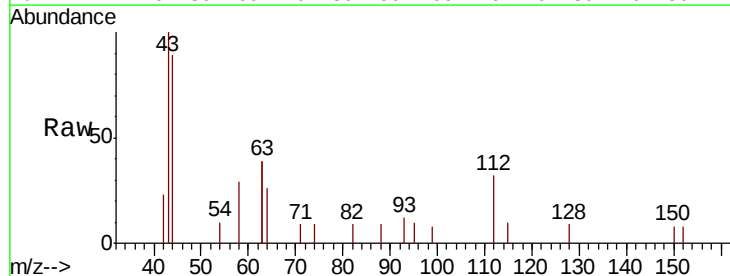
Tgt Ion: 112 Resp: 294

Ion Ratio Lower Upper

112 100

64 68.0 61.7 92.5

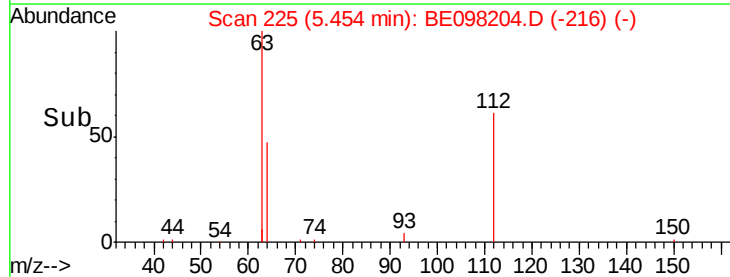
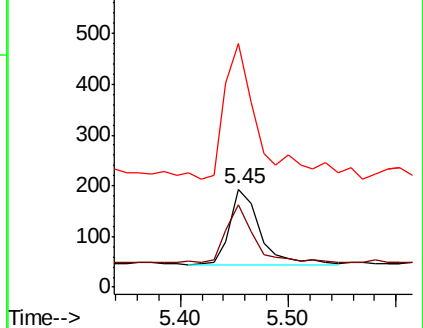
63 183.3 136.2 204.2

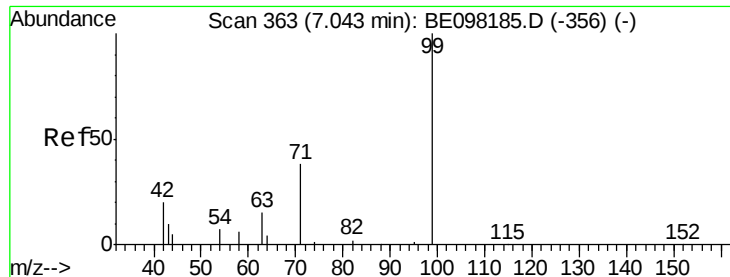


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.130 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

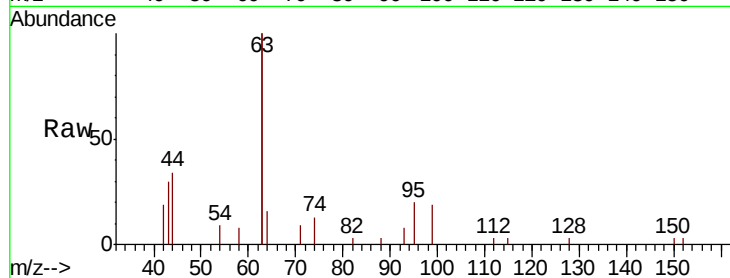
Tgt Ion: 99 Resp: 603

Ion Ratio Lower Upper

99 100

42 141.3 27.1 40.7#

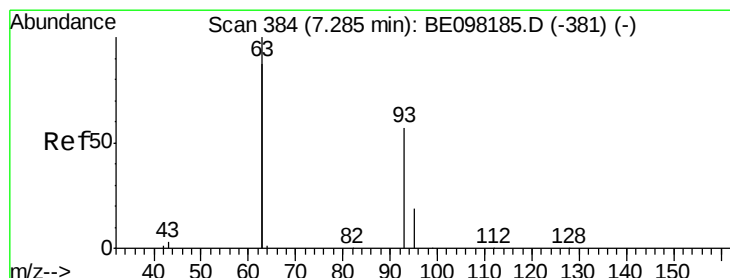
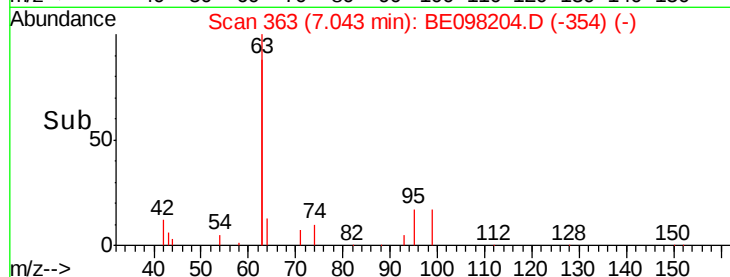
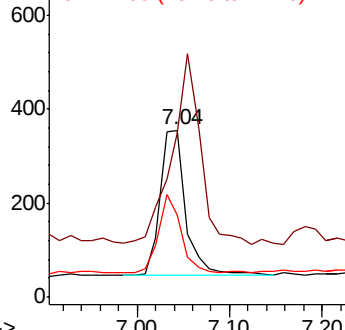
71 0.0 37.0 55.6#



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: 0.751 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

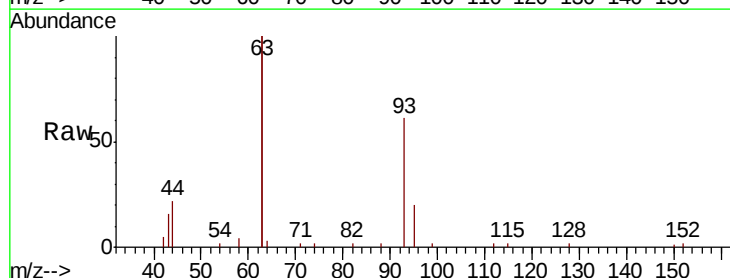
Tgt Ion: 93 Resp: 2801

Ion Ratio Lower Upper

93 100

63 346.9 272.6 409.0

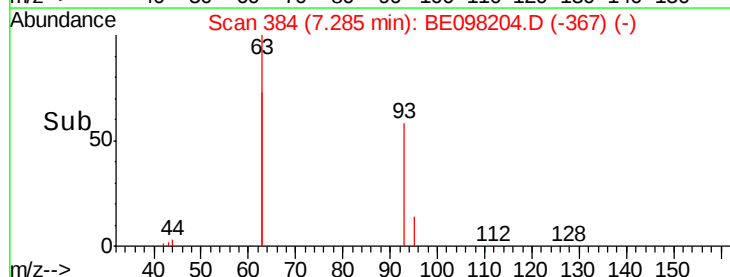
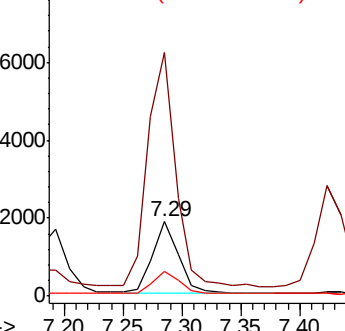
95 33.0 27.1 40.7

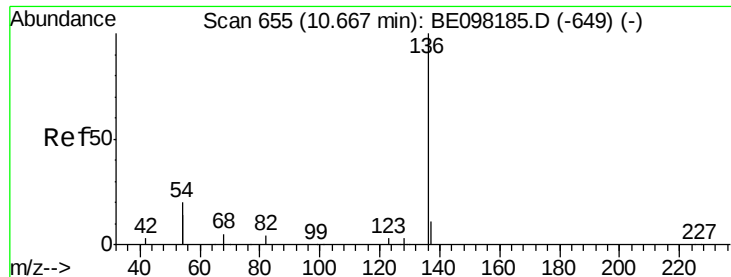


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

Tgt Ion: 136 Resp: 4308

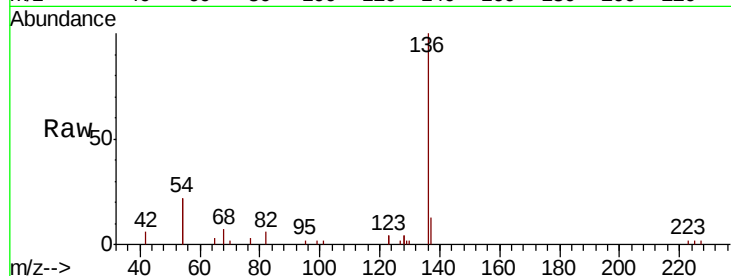
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 43.3 31.3 46.9

68 6.7 4.8 7.2

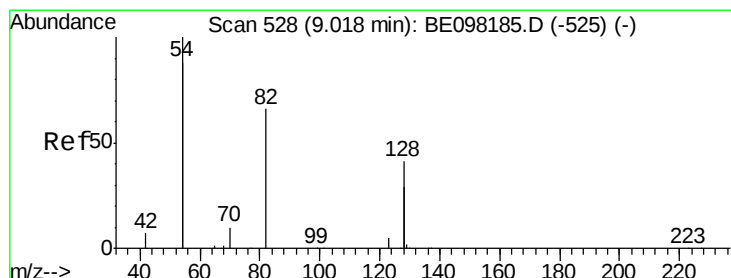
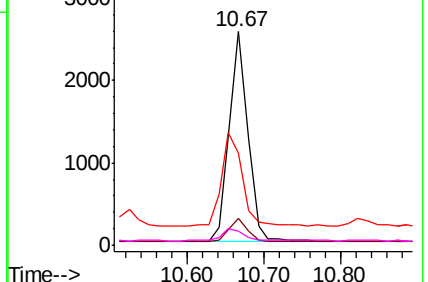
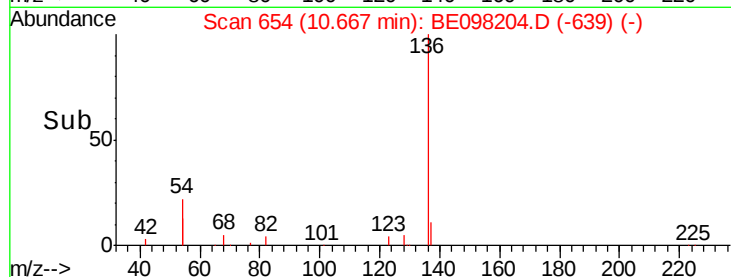


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.077 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

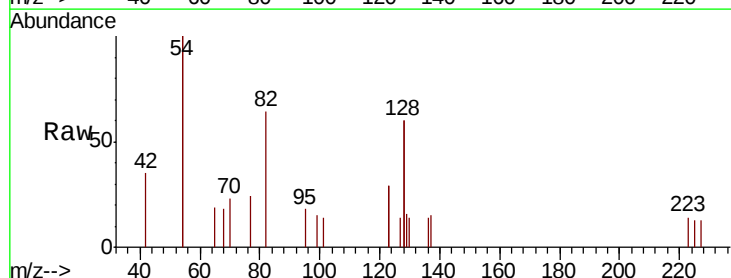
Tgt Ion: 82 Resp: 330

Ion Ratio Lower Upper

82 100

128 187.6 96.1 144.1#

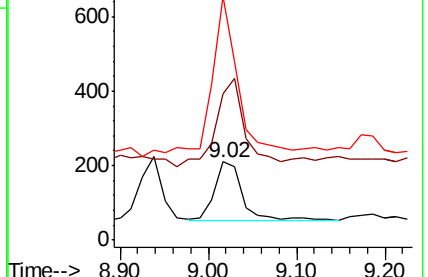
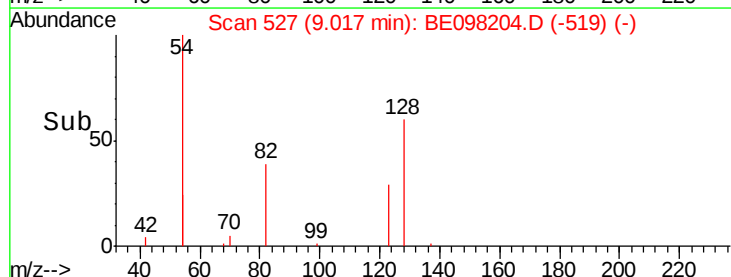
54 312.9 232.0 348.0

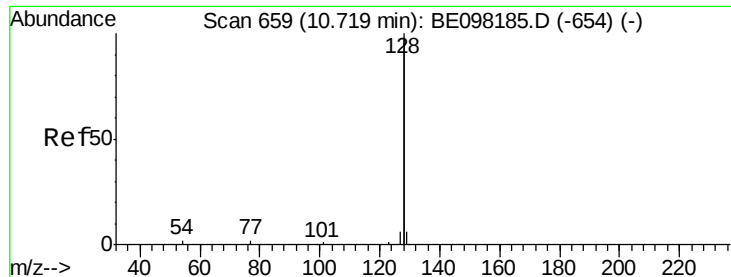


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.880 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

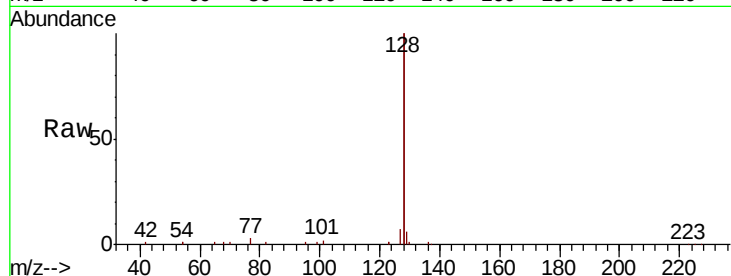
Tgt Ion:128 Resp: 38536

Ion Ratio Lower Upper

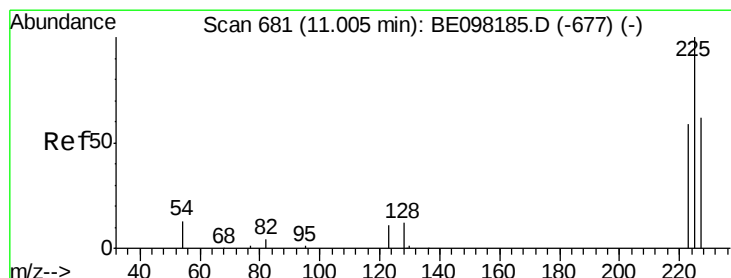
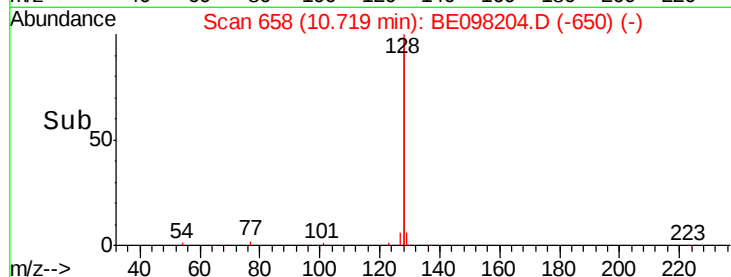
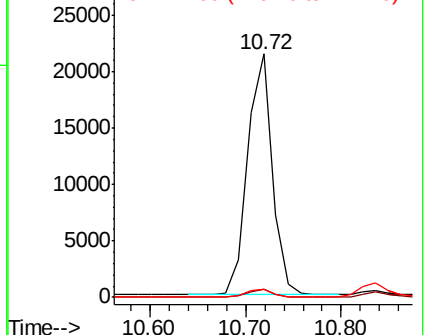
128 100

129 3.1 2.6 4.0

127 3.3 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: 0.735 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

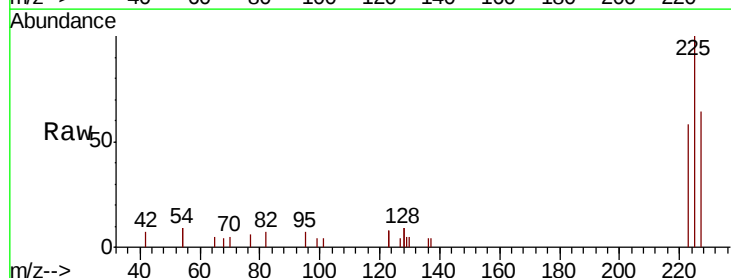
Tgt Ion:225 Resp: 2001

Ion Ratio Lower Upper

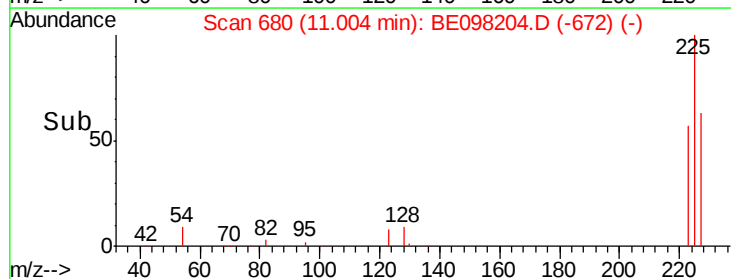
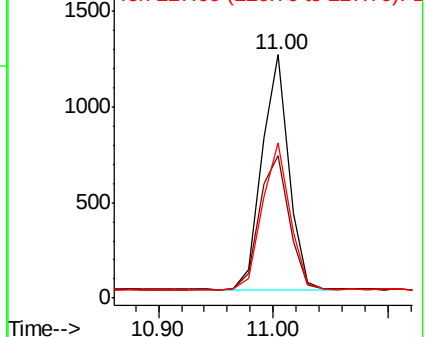
225 100

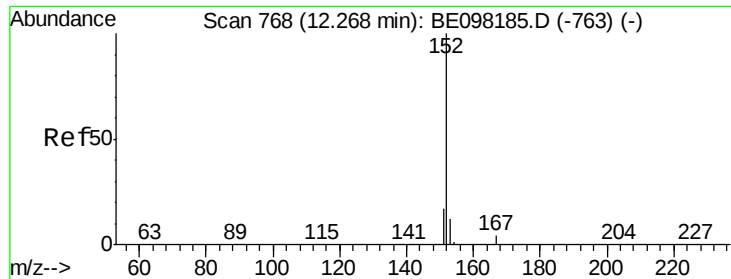
223 63.1 50.5 75.7

227 64.4 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

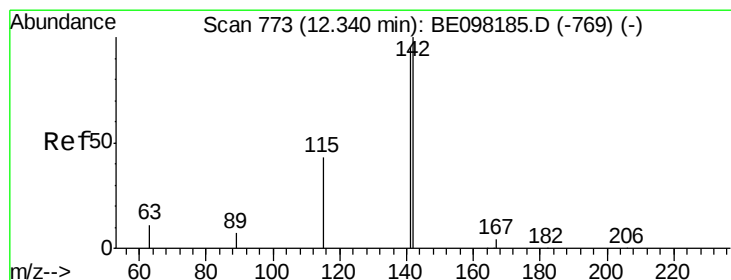
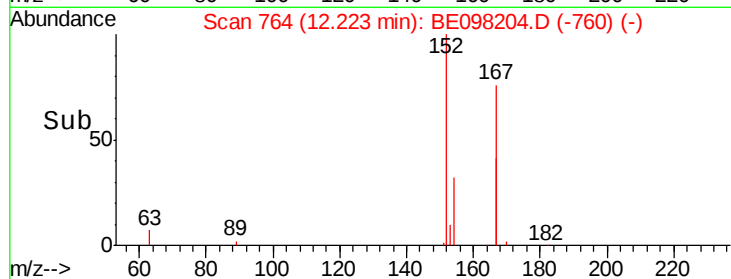
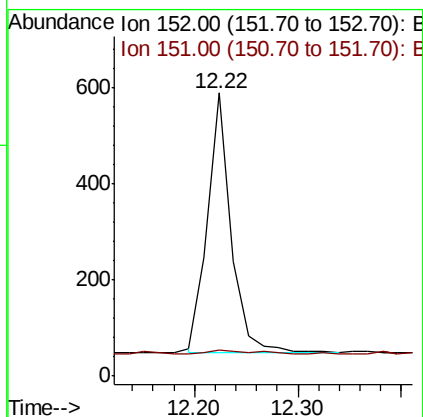
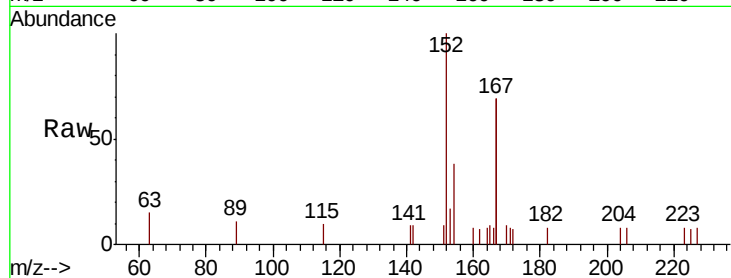




#11
 2-Methylnaphthalene-d10
 Concen: 0.113 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.04 min
 Lab File: BE098204.D
 Acq: 13 Nov 2018 00:22

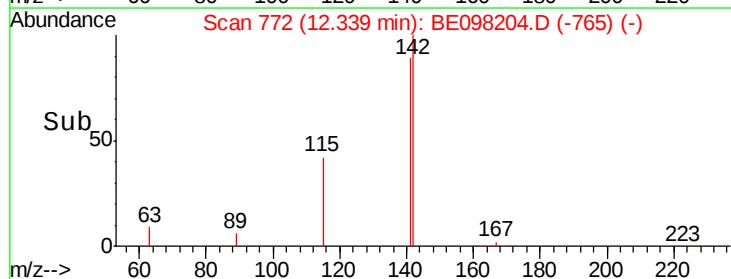
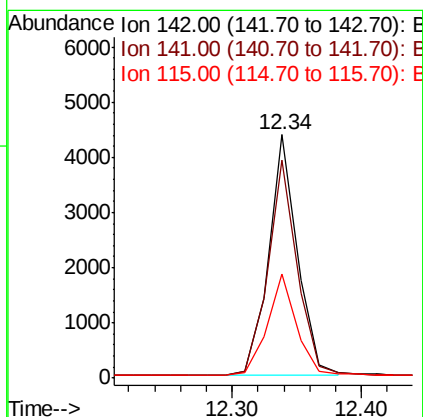
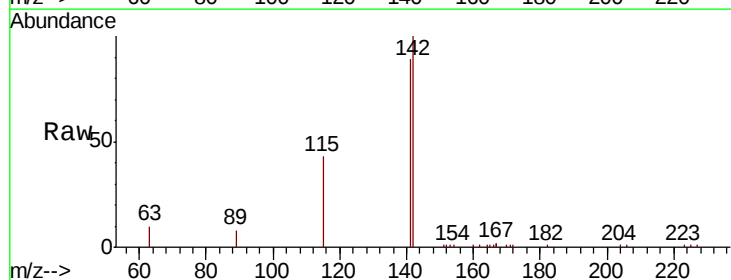
Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MS

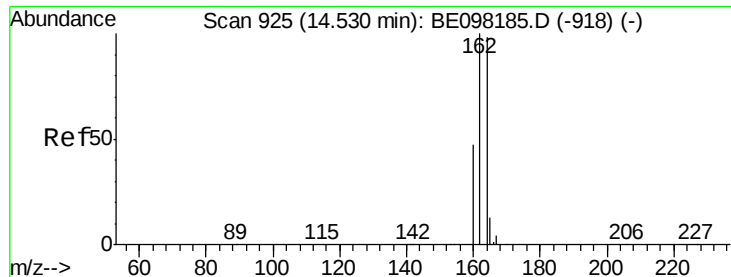
Tgt Ion:152 Resp: 851
 Ion Ratio Lower Upper
 152 100
 151 2.5 15.4 23.2#



#12
 2-Methylnaphthalene
 Concen: 0.884 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE098204.D
 Acq: 13 Nov 2018 00:22

Tgt Ion:142 Resp: 6716
 Ion Ratio Lower Upper
 142 100
 141 89.4 76.3 114.5
 115 42.7 35.8 53.8

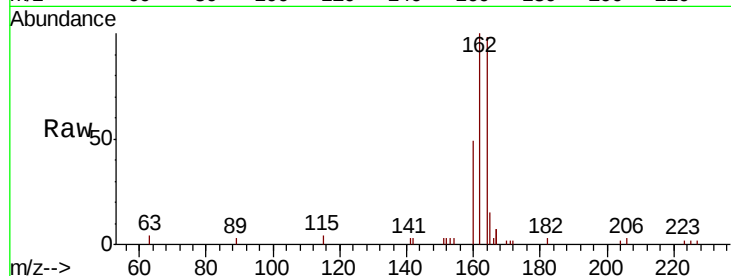




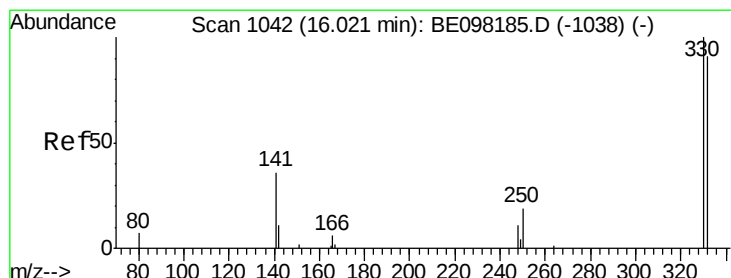
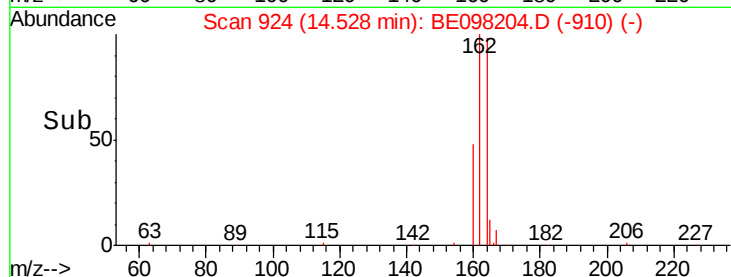
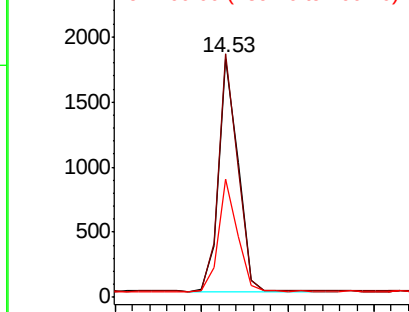
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098204.D
 Acq: 13 Nov 2018 00:22

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-2MS

Tgt Ion:164 Resp: 2806
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.8 122.6
 160 49.8 39.4 59.0

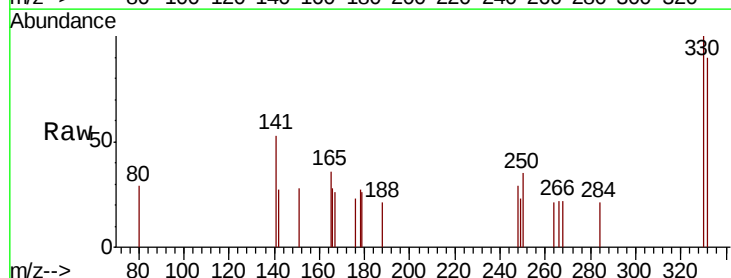


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

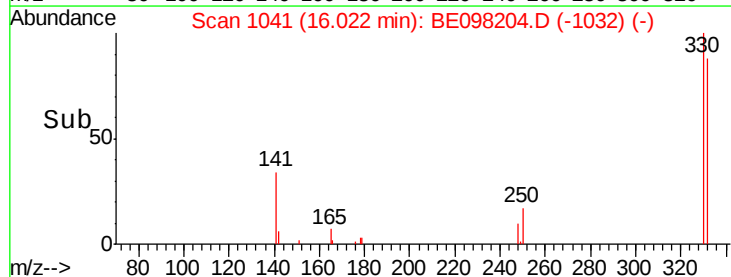
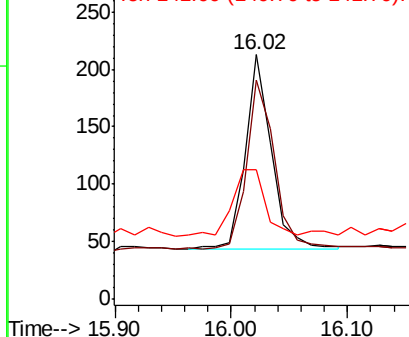


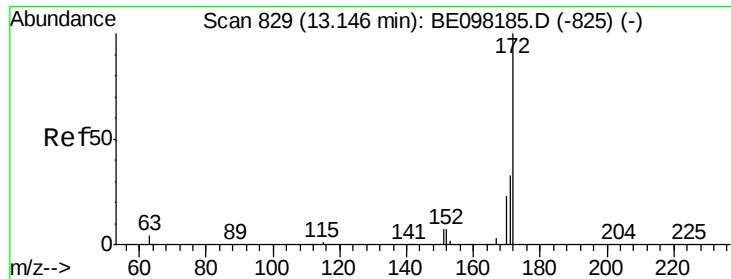
#14
 2,4,6-Tribromophenol
 Concen: 0.219 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BE098204.D
 Acq: 13 Nov 2018 00:22

Tgt Ion:330 Resp: 268
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.7 116.5
 141 44.4 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

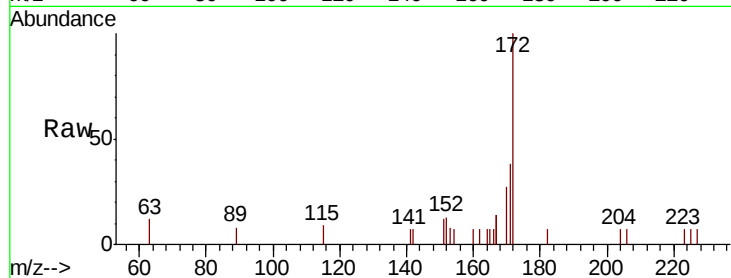




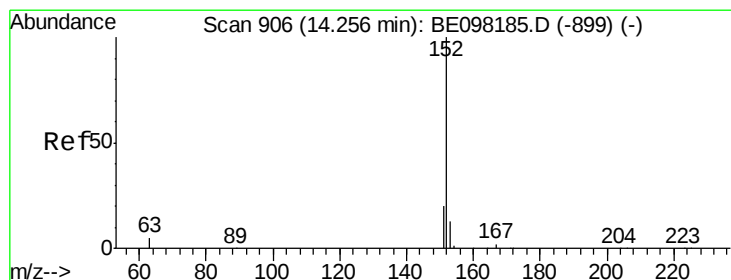
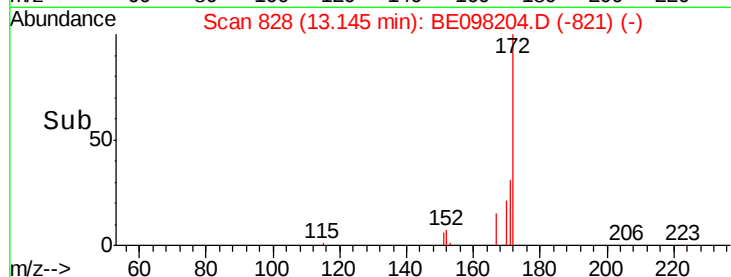
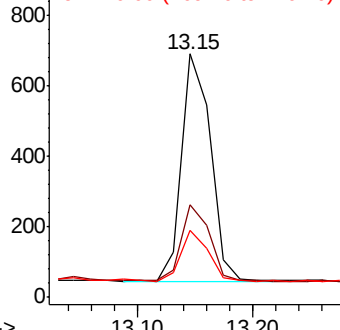
#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098204.D
Acq: 13 Nov 2018 00:22

Instrument :
BNA_E
ClientSampleId :
OLDMANS-2MS

Tgt Ion:172 Resp: 1125
Ion Ratio Lower Upper
172 100
171 37.9 27.3 40.9
170 27.5 19.4 29.0

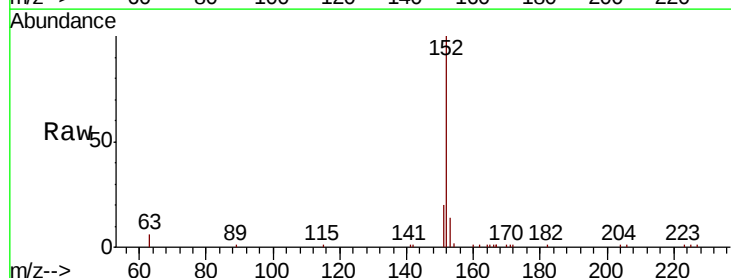


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

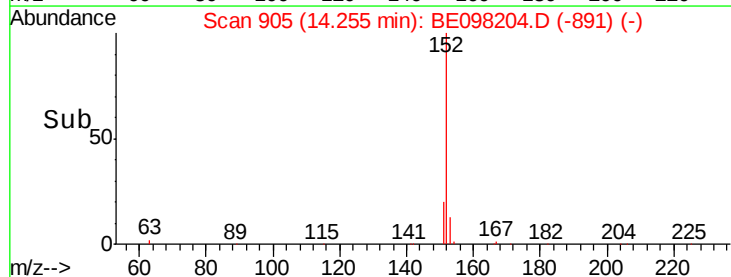
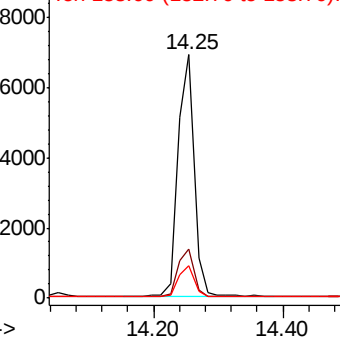


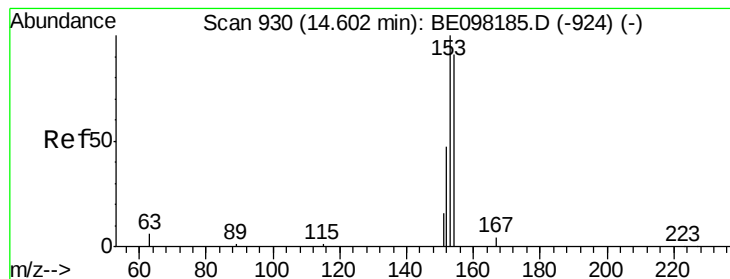
#16
Acenaphthylene
Concen: 0.929 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098204.D
Acq: 13 Nov 2018 00:22

Tgt Ion:152 Resp: 11952
Ion Ratio Lower Upper
152 100
151 19.2 16.4 24.6
153 12.7 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: 0.860 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

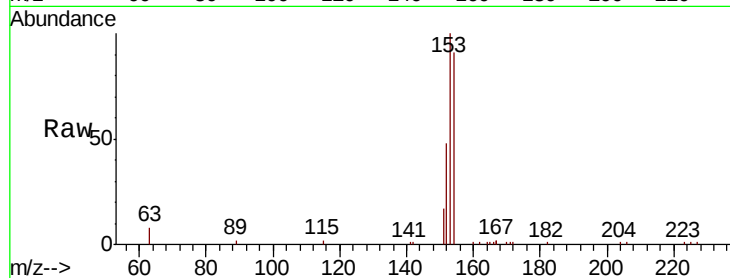
Tgt Ion:154 Resp: 6753

Ion Ratio Lower Upper

154 100

153 115.8 92.1 138.1

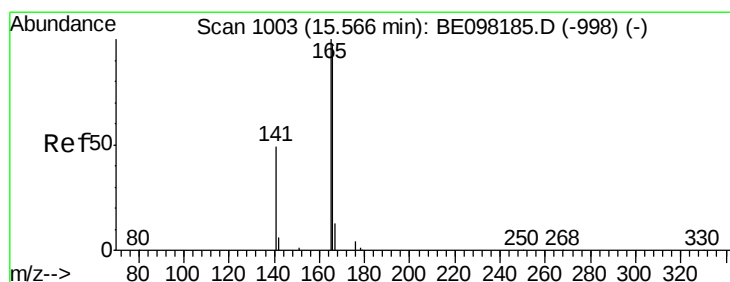
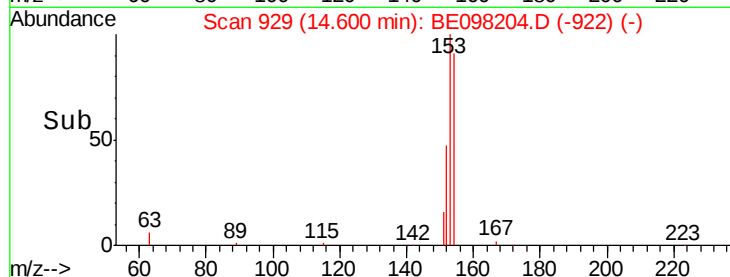
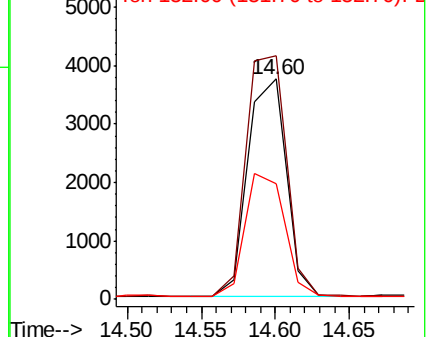
152 57.8 46.2 69.2



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: 0.991 ng

RT: 15.57 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

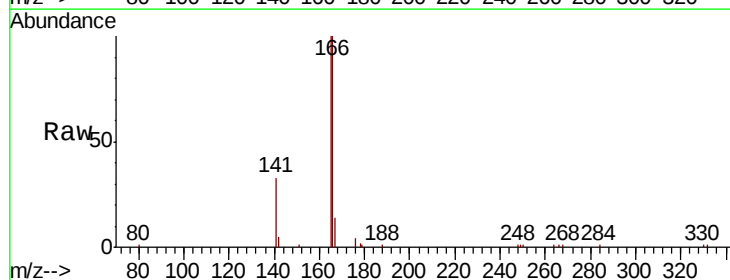
Tgt Ion:166 Resp: 9966

Ion Ratio Lower Upper

166 100

165 98.9 80.1 120.1

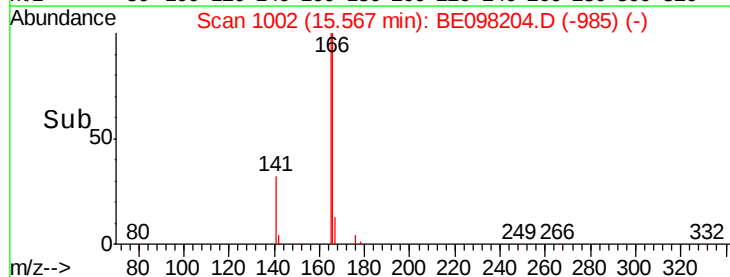
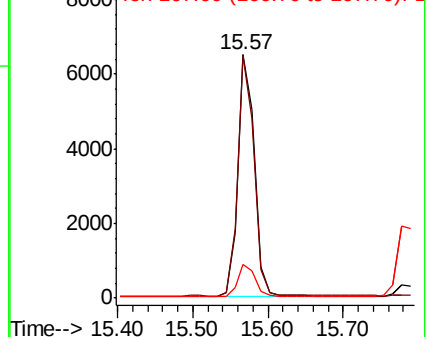
167 13.6 10.8 16.2

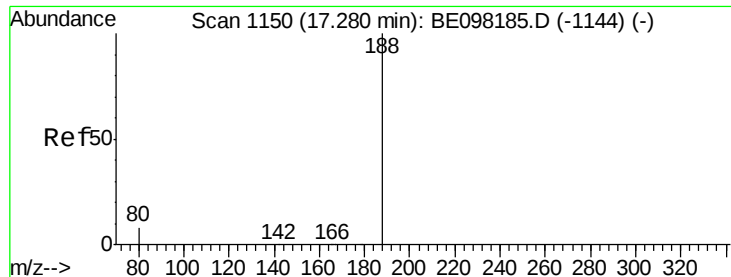


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

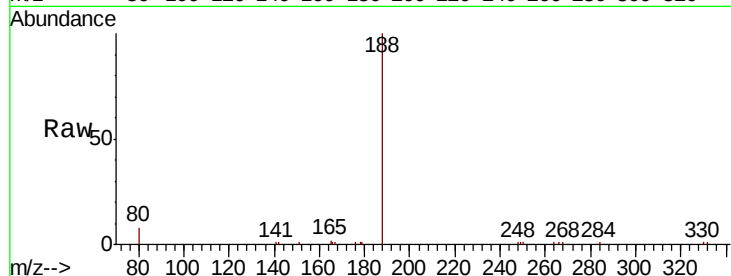
Tgt Ion:188 Resp: 7932

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

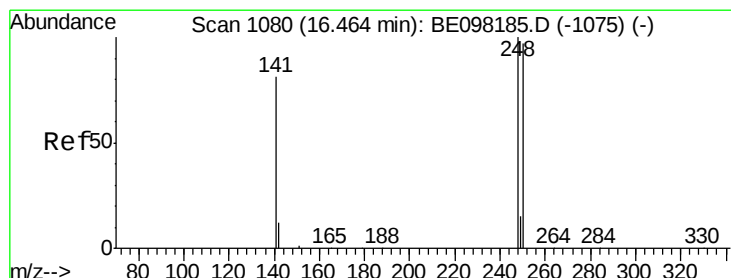
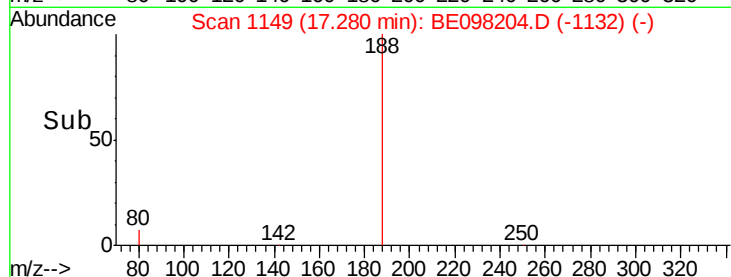
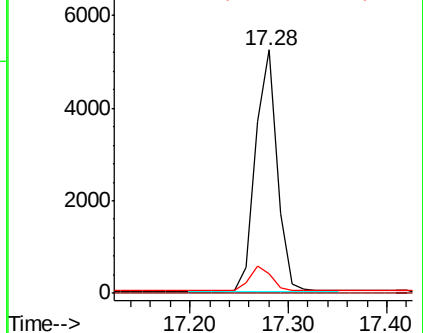
80 8.2 6.7 10.1



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: 0.776 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

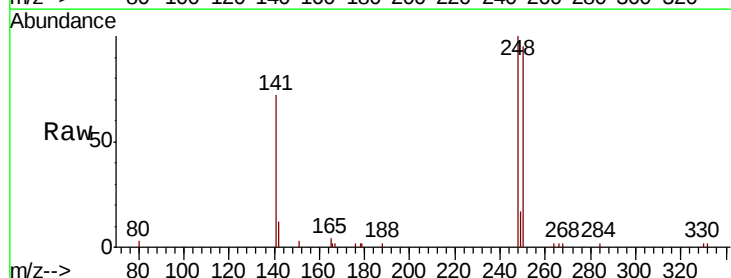
Tgt Ion:248 Resp: 3753

Ion Ratio Lower Upper

248 100

250 95.3 77.6 116.4

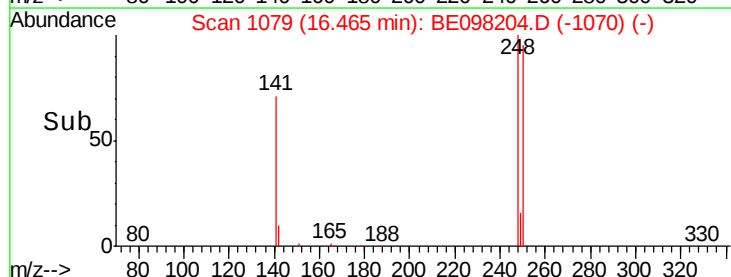
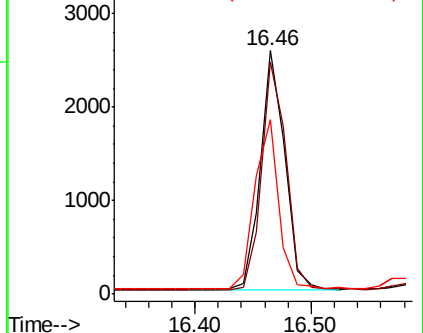
141 71.8 65.8 98.8

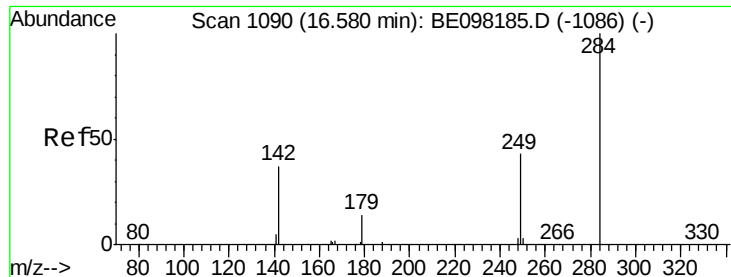


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

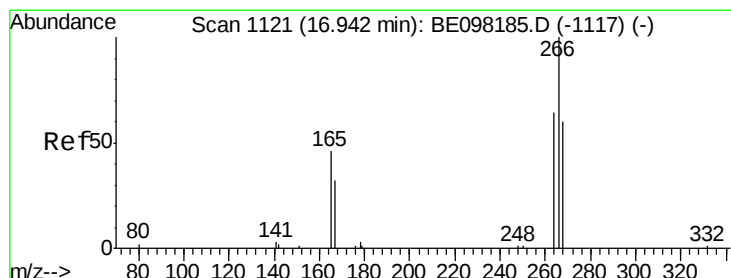
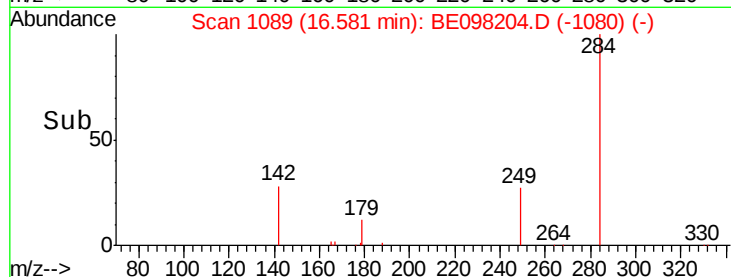
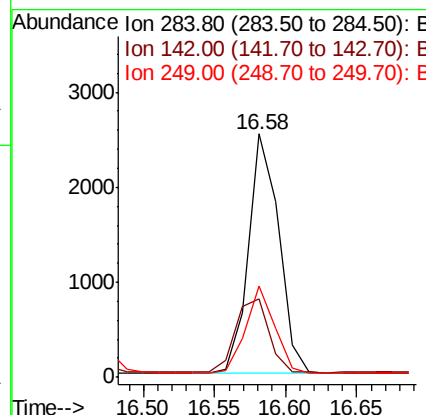
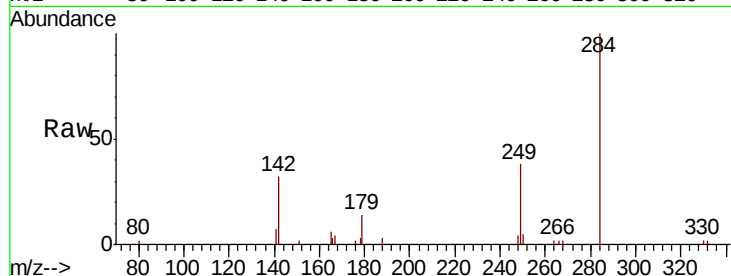




#21
Hexachlorobenzene
Concen: 0.738 ng
RT: 16.58 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE098204.D
Acq: 13 Nov 2018 00:22

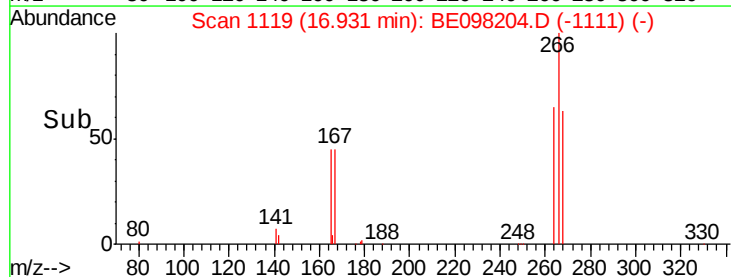
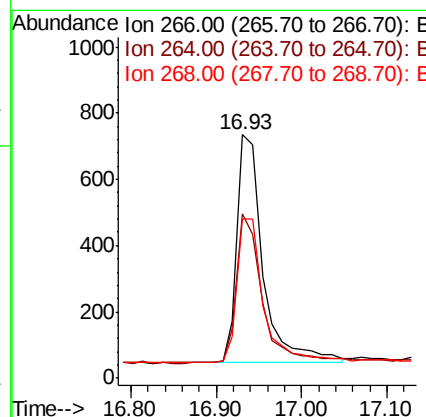
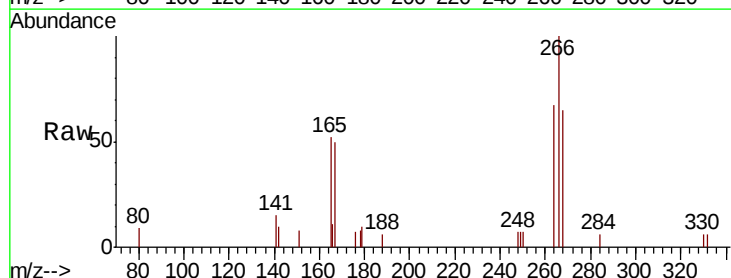
Instrument :
BNA_E
ClientSampleId :
OLDMANS-2MS

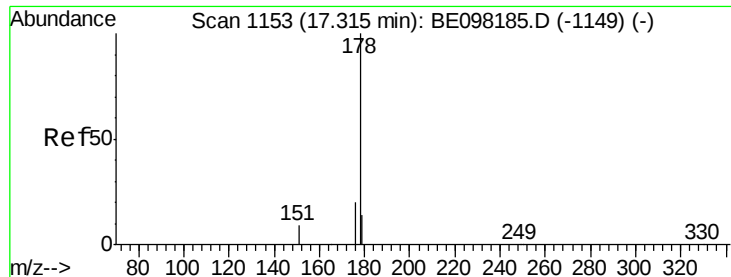
Tgt Ion: 284 Resp: 3710
Ion Ratio Lower Upper
284 100
142 34.4 26.5 39.7
249 34.4 28.4 42.6



#22
Pentachlorophenol
Concen: 1.382 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098204.D
Acq: 13 Nov 2018 00:22

Tgt Ion: 266 Resp: 1459
Ion Ratio Lower Upper
266 100
264 67.2 57.6 86.4
268 65.4 56.8 85.2





#23

Phenanthrene

Concen: 0.997 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

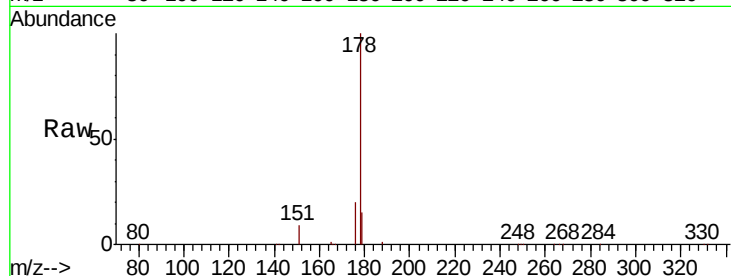
Tgt Ion:178 Resp: 19705

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

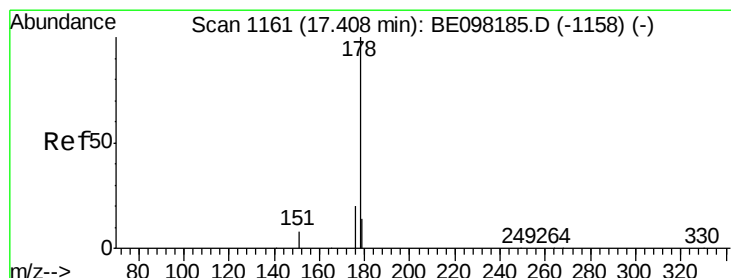
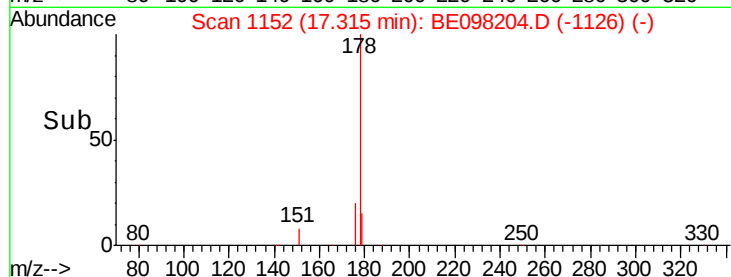
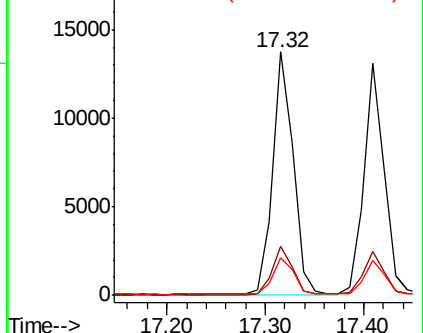
179 15.5 12.3 18.5



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: BE098204.D

Acq: 13 Nov 2018 00:22

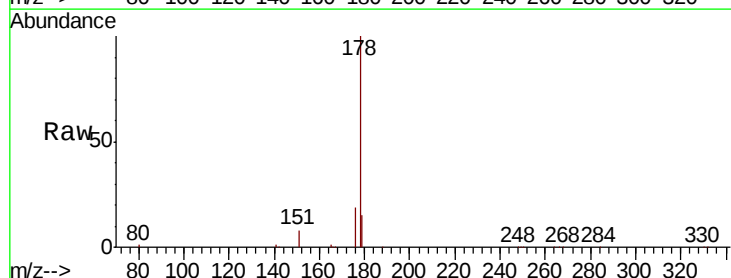
Tgt Ion:178 Resp: 18408

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

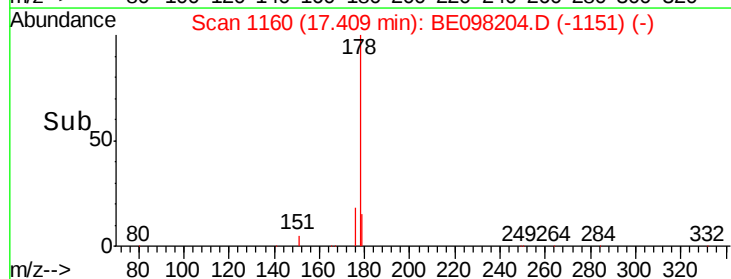
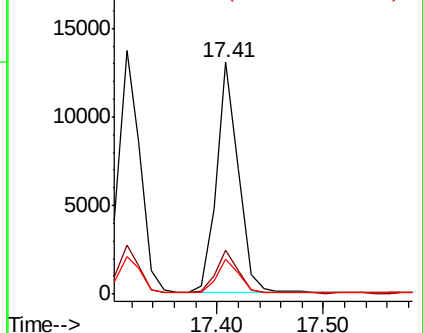
179 15.0 12.1 18.1

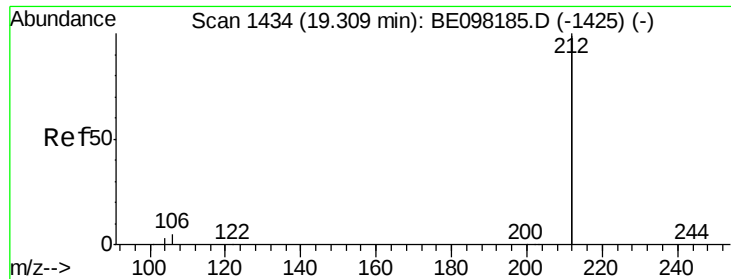


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.001 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

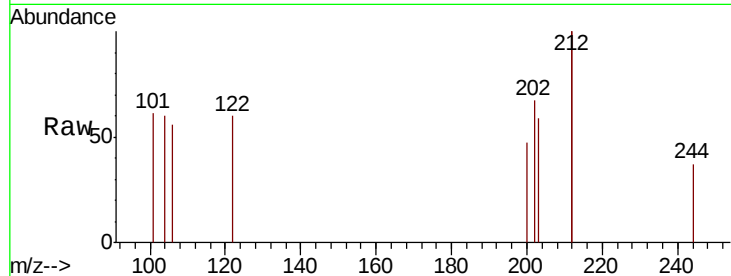
Tgt Ion: 212 Resp: 82

Ion Ratio Lower Upper

212 100

106 3.7 1.8 2.8#

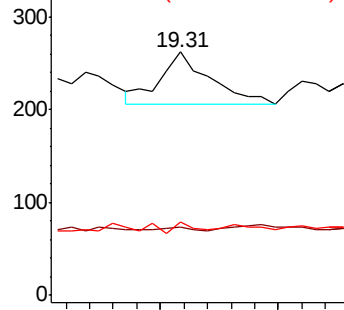
104 8.5 1.1 1.7#



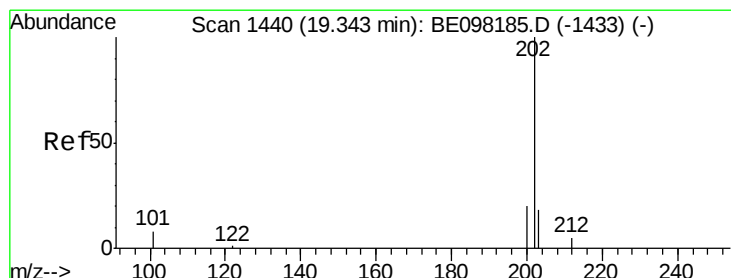
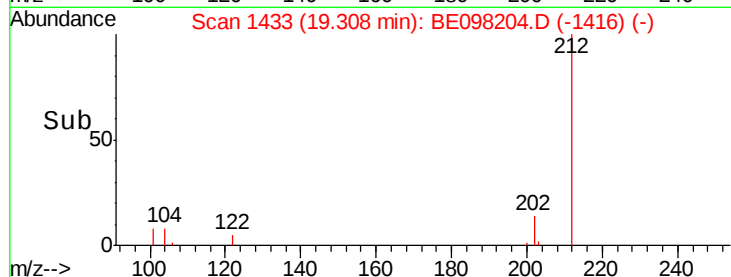
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 1.168 ng

RT: 19.34 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

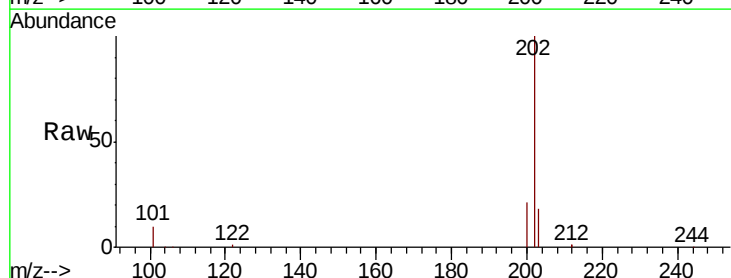
Tgt Ion: 202 Resp: 28576

Ion Ratio Lower Upper

202 100

101 9.1 7.0 10.6

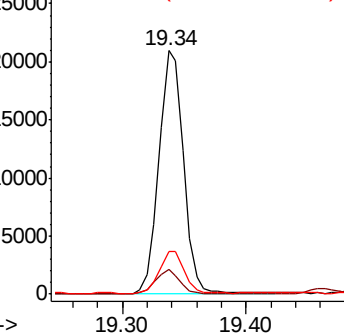
203 17.3 13.7 20.5



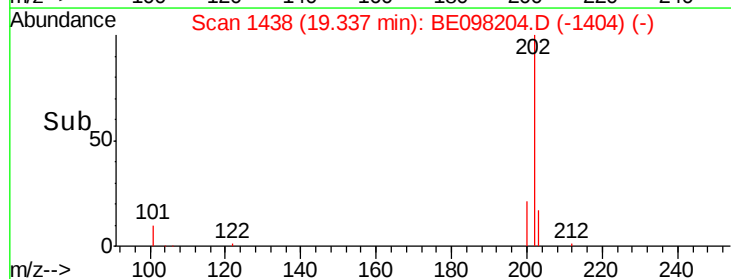
Abundance Ion 202.00 (201.70 to 202.70): E

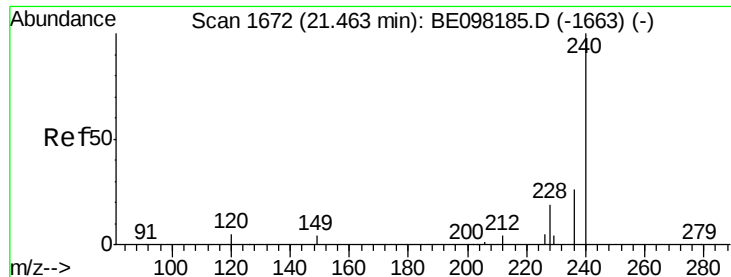
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

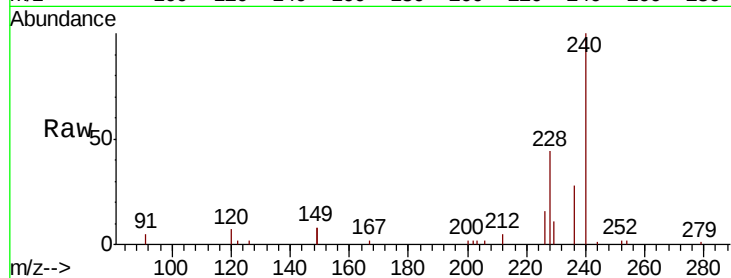
Tgt Ion:240 Resp: 9365

Ion Ratio Lower Upper

240 100

120 6.6 4.8 7.2

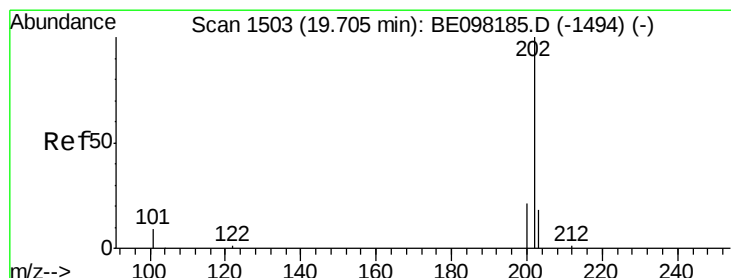
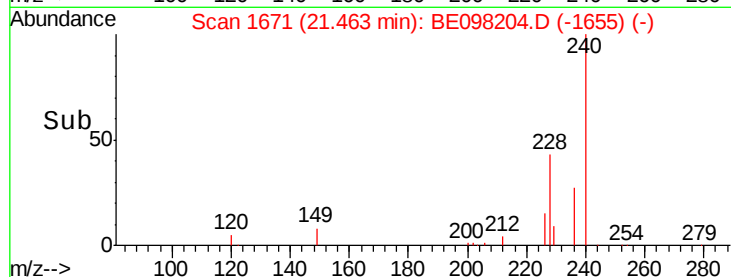
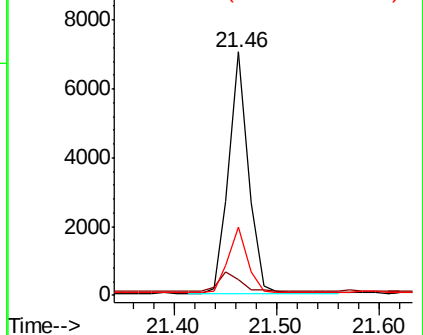
236 28.1 21.4 32.0



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



#28

Pyrene

Concen: 1.099 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

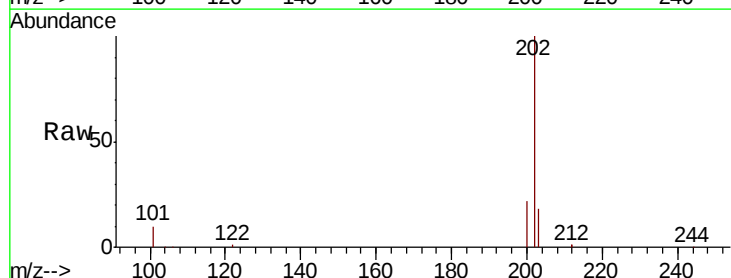
Tgt Ion:202 Resp: 28332

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

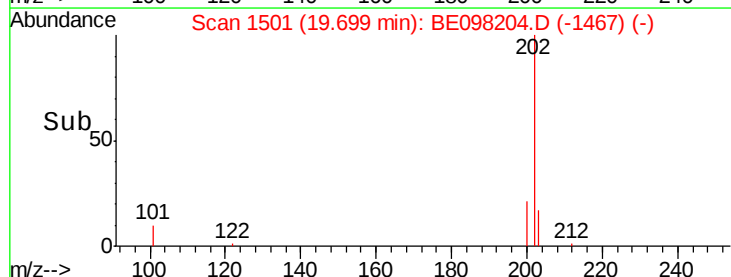
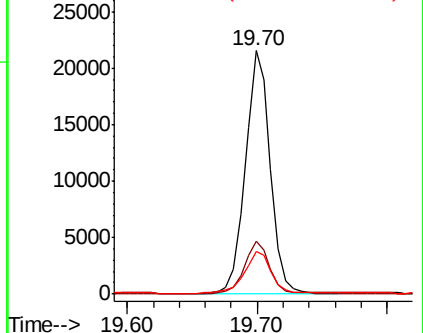
203 18.8 14.2 21.4

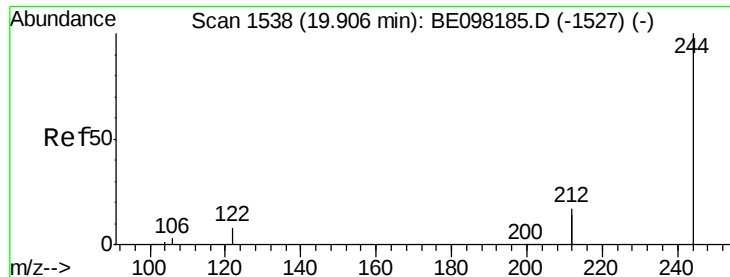


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.103 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

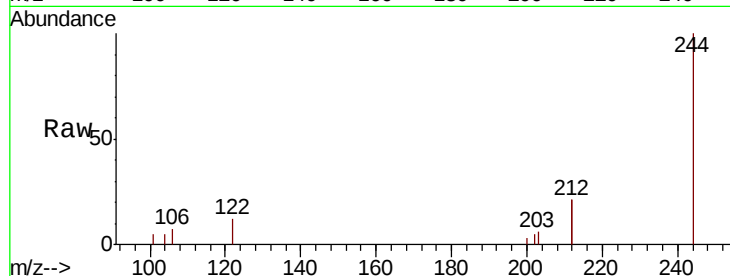
Tgt Ion:244 Resp: 2179

Ion Ratio Lower Upper

244 100

212 41.2 26.8 40.2#

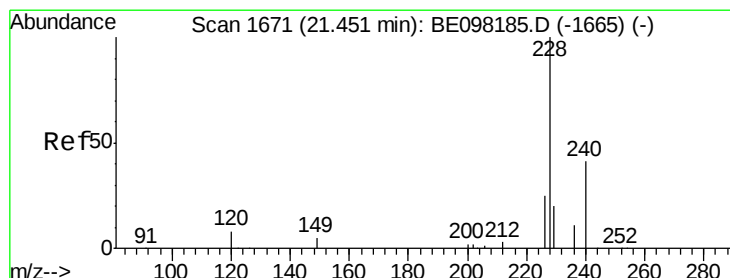
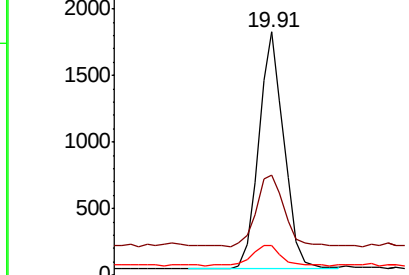
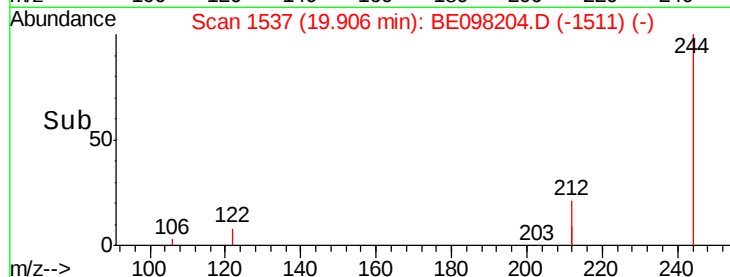
122 12.5 7.0 10.6#



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: 1.075 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

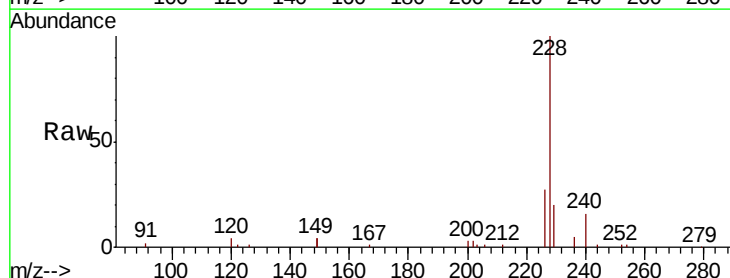
Tgt Ion:228 Resp: 28611

Ion Ratio Lower Upper

228 100

226 27.0 20.7 31.1

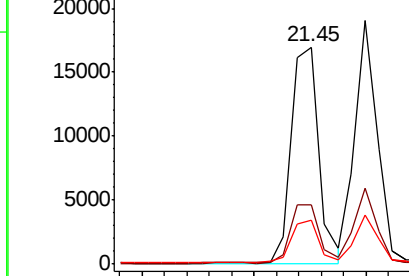
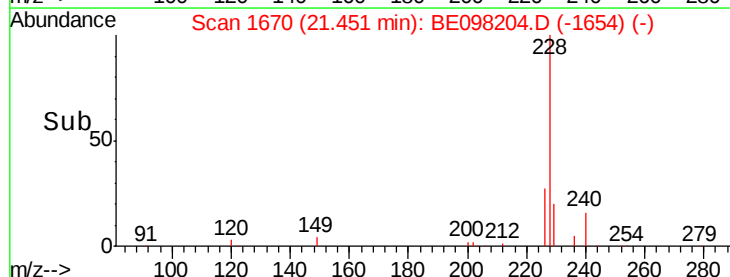
229 20.4 16.2 24.4

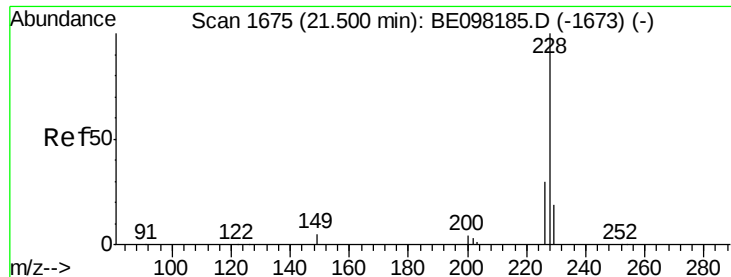


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.963 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

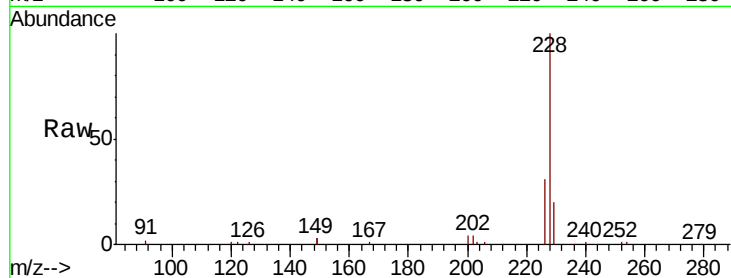
Tgt Ion:228 Resp: 26021

Ion Ratio Lower Upper

228 100

226 31.3 24.6 36.8

229 20.1 16.0 24.0

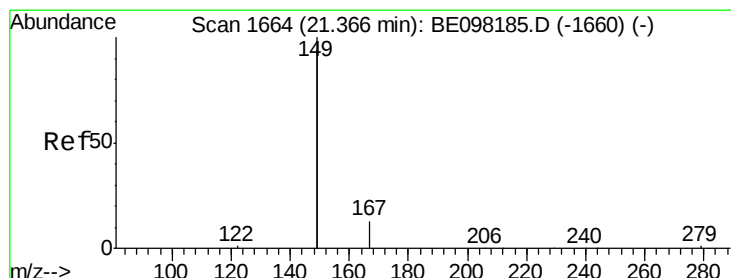
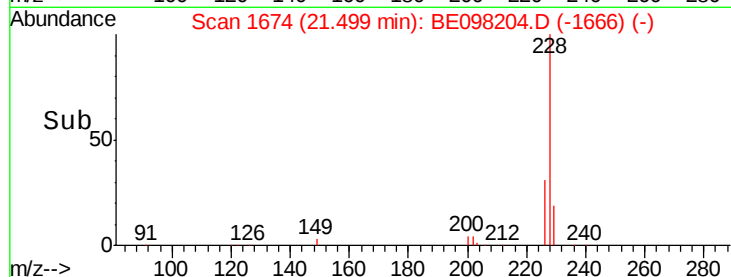
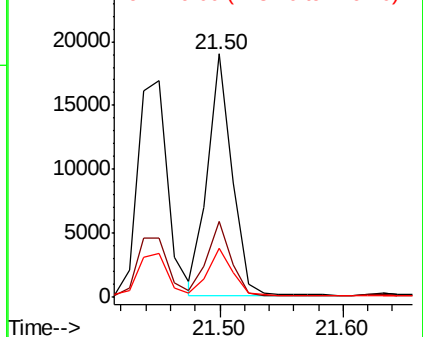


Abundance

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: 1.329 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

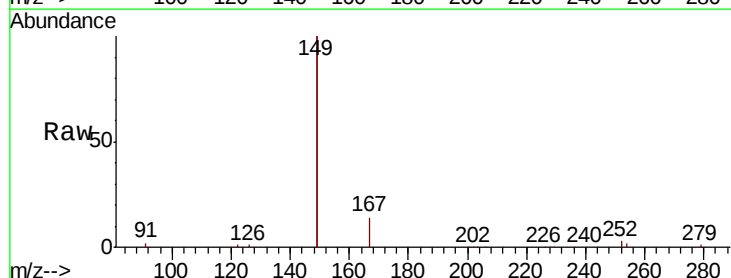
Tgt Ion:149 Resp: 73429

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

279 1.1 0.9 1.3

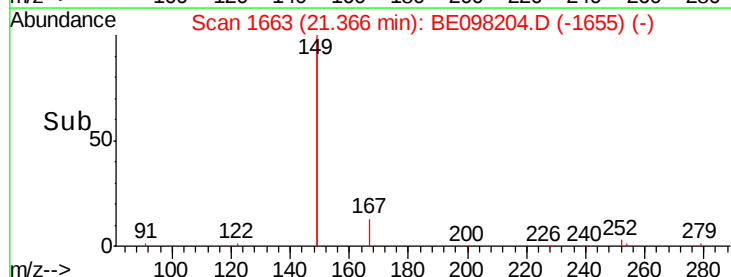
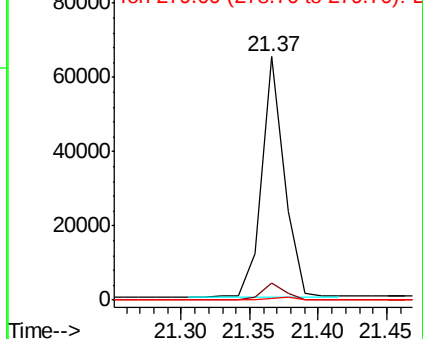


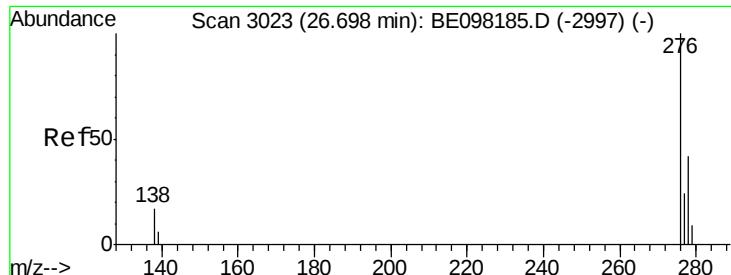
Abundance

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: 0.997 ng

RT: 26.70 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

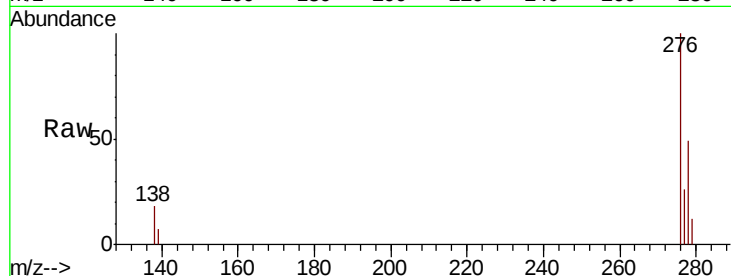
Tgt Ion:276 Resp: 24705

Ion Ratio Lower Upper

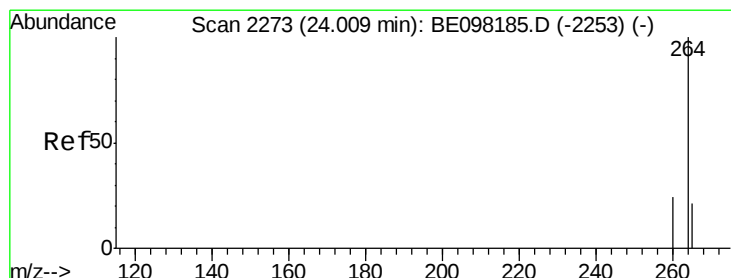
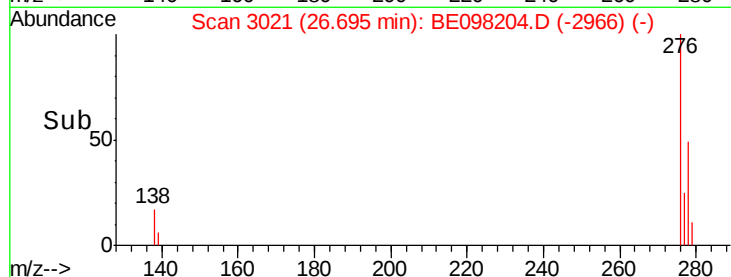
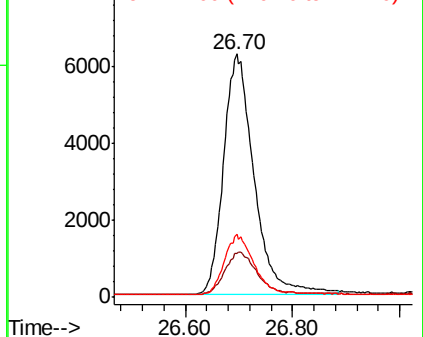
276 100

138 17.9 6.4 9.6#

277 24.1 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# 2272

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

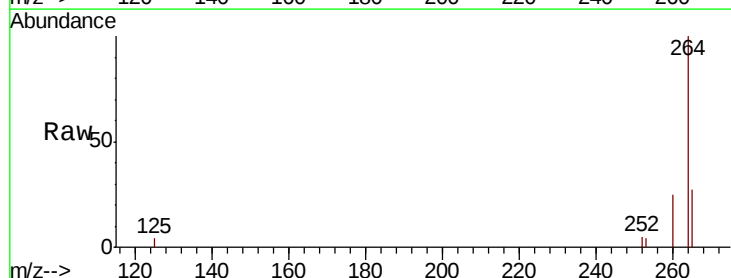
Tgt Ion:264 Resp: 8845

Ion Ratio Lower Upper

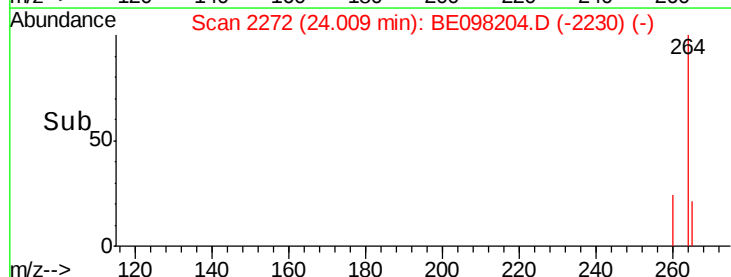
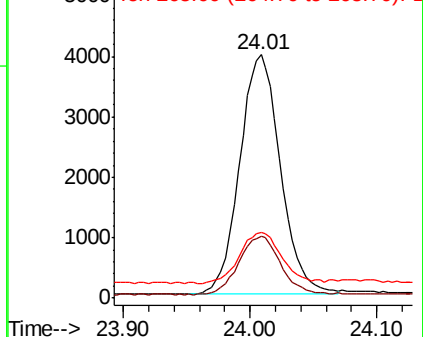
264 100

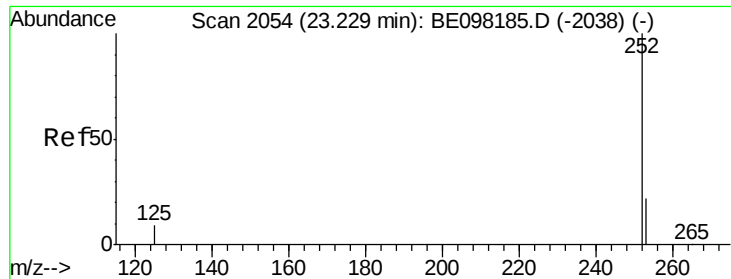
260 25.3 19.9 29.9

265 26.9 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: 1.011 ng

RT: 23.22 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

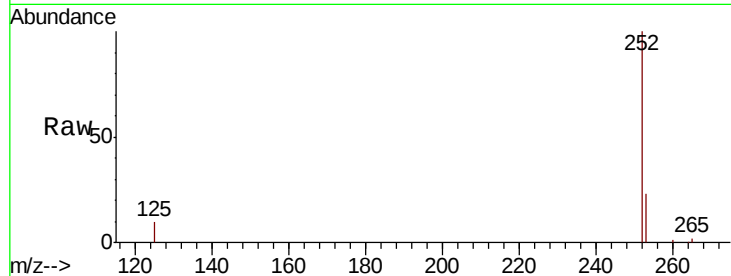
Tgt Ion:252 Resp: 25365

Ion Ratio Lower Upper

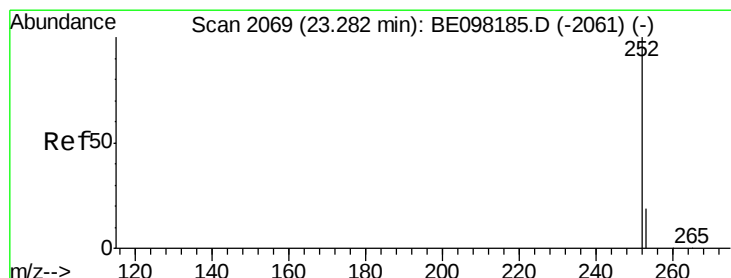
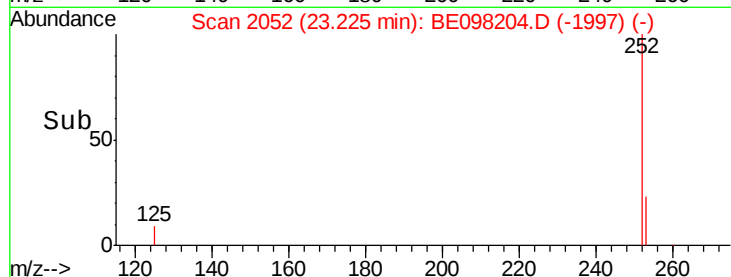
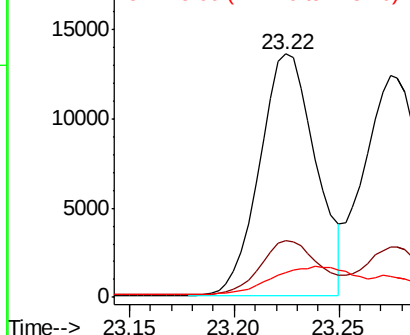
252 100

253 23.5 19.4 29.0

125 10.3 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: 0.945 ng

RT: 23.27 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

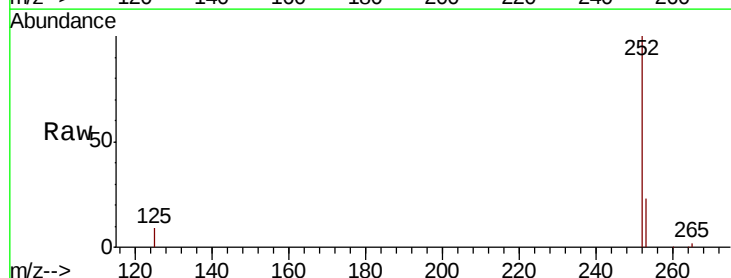
Tgt Ion:252 Resp: 25027

Ion Ratio Lower Upper

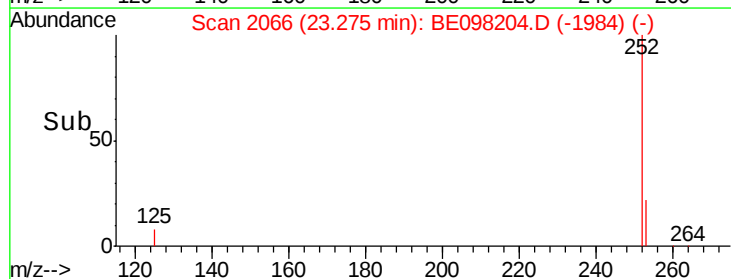
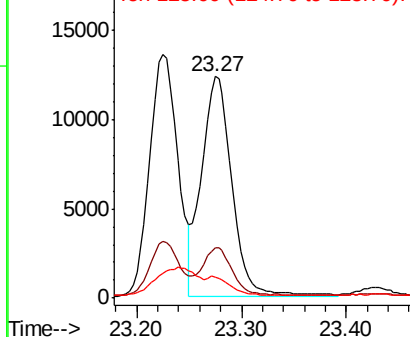
252 100

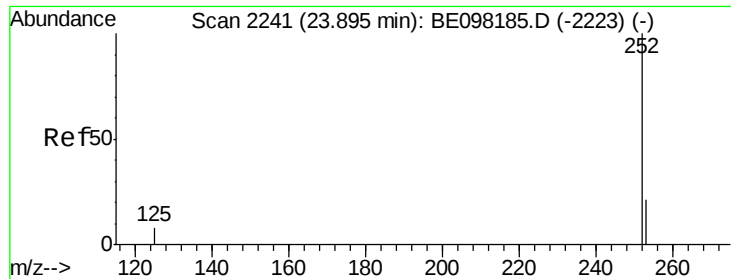
253 22.7 18.6 28.0

125 9.5 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: 1.015 ng

RT: 23.89 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS

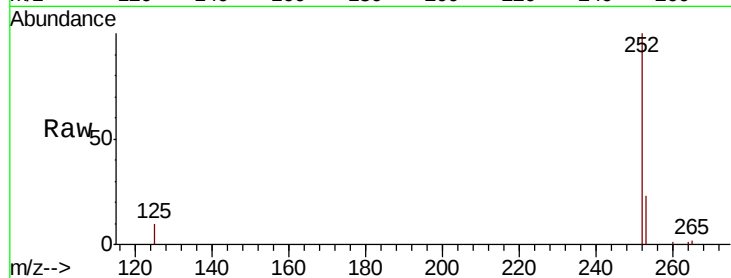
Tgt Ion: 252 Resp: 24421

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

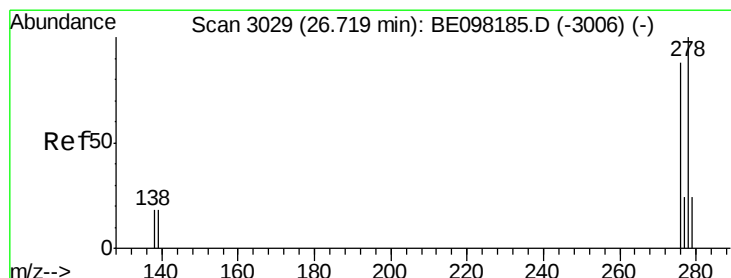
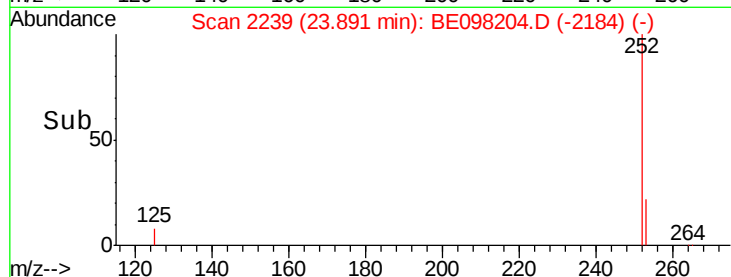
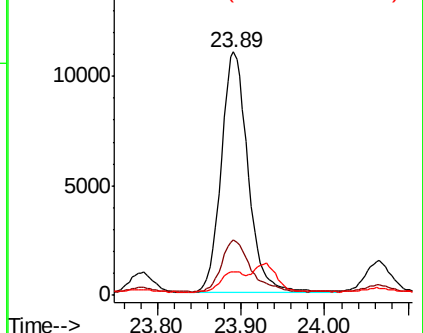
125 9.7 8.0 12.0



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: 0.964 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.00 min

Lab File: BE098204.D

Acq: 13 Nov 2018 00:22

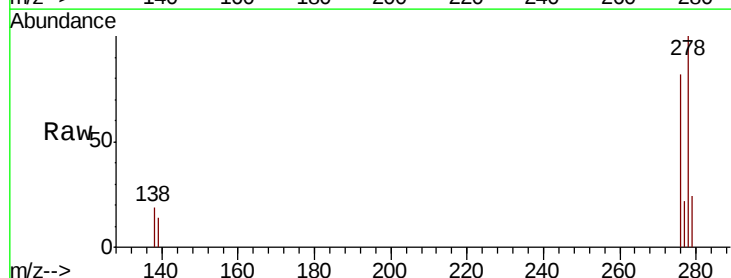
Tgt Ion: 278 Resp: 19760

Ion Ratio Lower Upper

278 100

139 14.0 16.4 24.6#

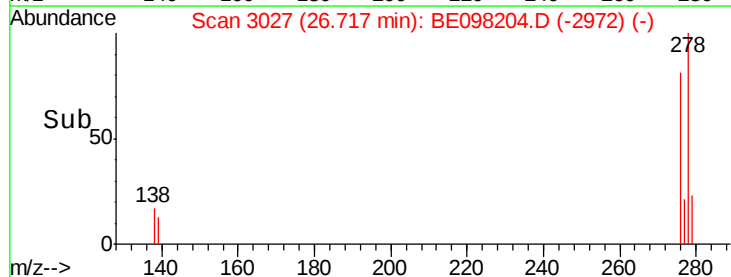
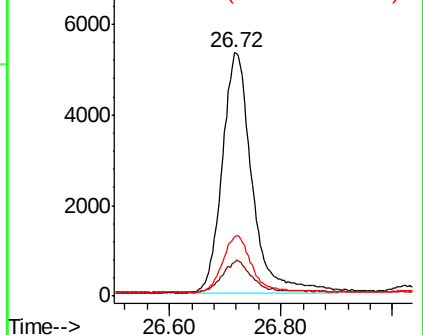
279 24.3 21.3 31.9

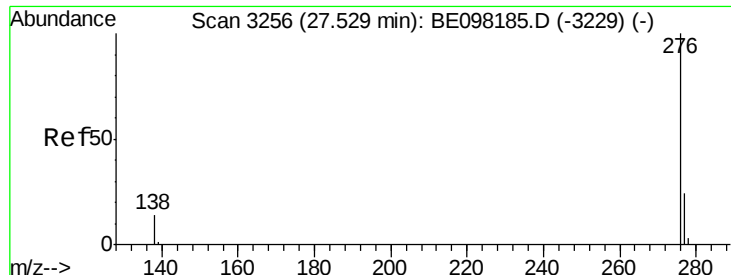


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.952 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BE098204.D

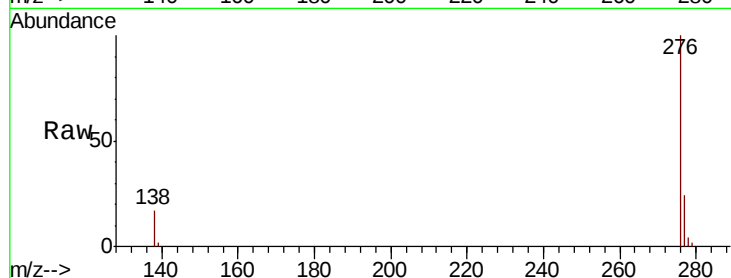
Acq: 13 Nov 2018 00:22

Instrument :

BNA_E

ClientSampleId :

OLDMANS-2MS



Tgt Ion: 276 Resp: 20369

Ion Ratio Lower Upper

276 100

277 23.9 20.4 30.6

138 16.7 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

