

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\  
 Data File : BE098216.D  
 Acq On : 13 Nov 2018 19:42  
 Operator : SJ/JU  
 Sample : J5864-02MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OLDMANS-2MSD

Quant Time: Nov 14 00:07:43 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  | 1068     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 4441     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 3020     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 8457     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 9803     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 9298     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 1199  | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 7.03  | 99  | 1927  | 0.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 1847  | 0.42 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 3146  | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 651   | 0.49 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 4524  | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 46104 | 0.44 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 8676  | 0.39 | ng | 0.00 |

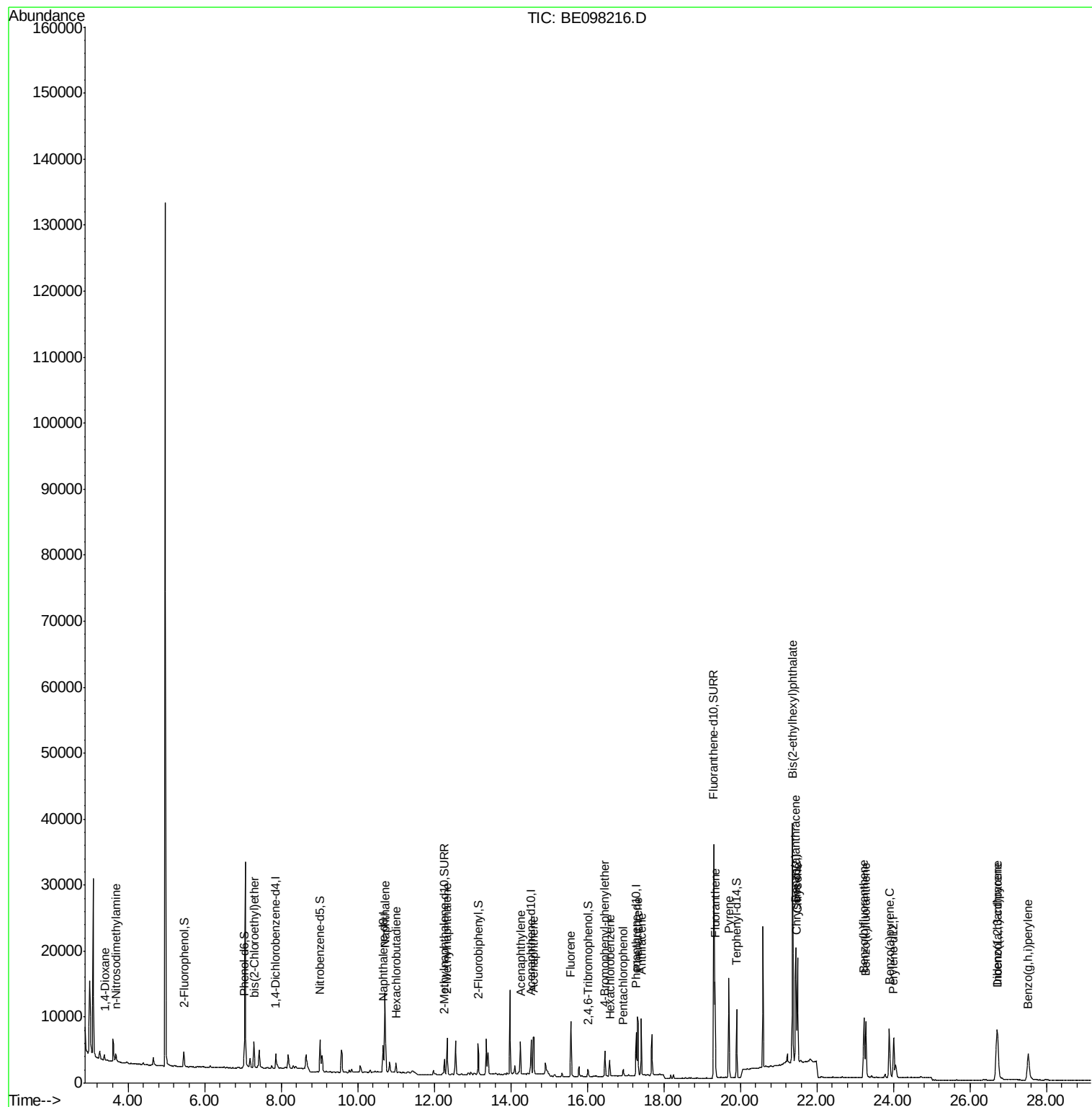
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 464   | 0.288  | ng | # 68 |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 853   | 0.407  | ng | # 84 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 1435  | 0.367  | ng | 95   |
| 9) Naphthalene                 | 10.72 | 128 | 19942 | 0.442  | ng | 100  |
| 10) Hexachlorobutadiene        | 11.00 | 225 | 1026  | 0.365  | ng | 96   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 3626  | 0.463  | ng | 97   |
| 16) Acenaphthylene             | 14.26 | 152 | 6263  | 0.452  | ng | 98   |
| 17) Acenaphthene               | 14.60 | 154 | 3524  | 0.417  | ng | 99   |
| 18) Fluorene                   | 15.57 | 166 | 5442  | 0.503  | ng | 97   |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 2003  | 0.389  | ng | 94   |
| 21) Hexachlorobenzene          | 16.59 | 284 | 2007  | 0.374  | ng | 98   |
| 22) Pentachlorophenol          | 16.94 | 266 | 603   | 0.584  | ng | 95   |
| 23) Phenanthrene               | 17.31 | 178 | 10288 | 0.488  | ng | 99   |
| 24) Anthracene                 | 17.41 | 178 | 9250  | 0.471  | ng | 99   |
| 26) Fluoranthene               | 19.34 | 202 | 13393 | 0.513  | ng | 99   |
| 28) Pyrene                     | 19.70 | 202 | 13737 | 0.509  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 14300 | 0.513  | ng | 98   |
| 31) Chrysene                   | 21.50 | 228 | 13190 | 0.466  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 40167 | 0.694  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276 | 13400 | 0.517  | ng | # 90 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 13391 | 0.508  | ng | 97   |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 13277 | 0.477  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.90 | 252 | 12625 | 0.499  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 26.73 | 278 | 10635 | 0.494  | ng | # 94 |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 11350 | 0.505  | ng | 98   |

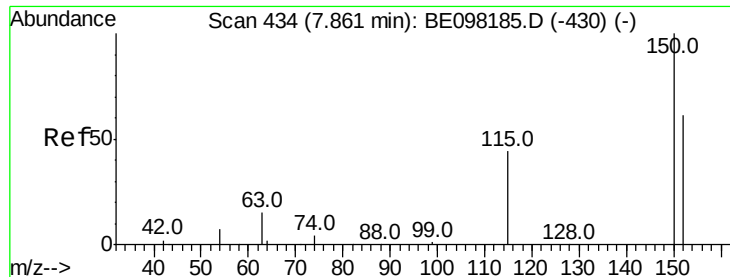
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M  
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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: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

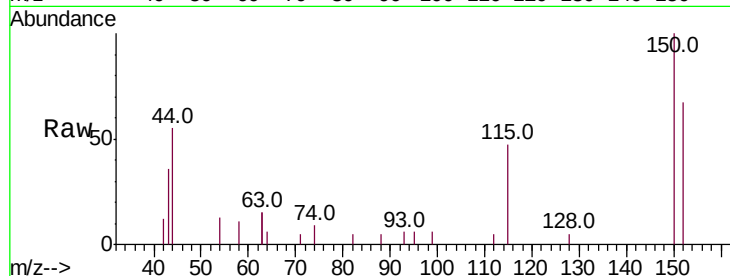
Tot Ion:152 Resp: 1068

Ion Ratio Lower Upper

152 100

150 148.2 127.5 191.3

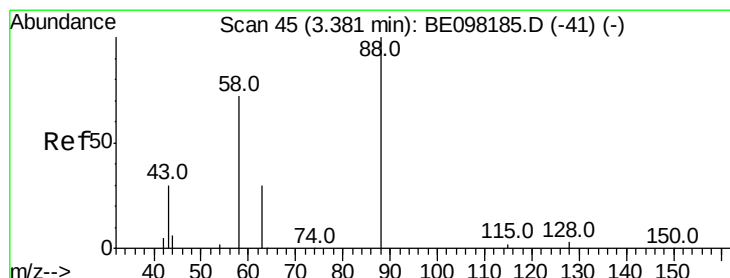
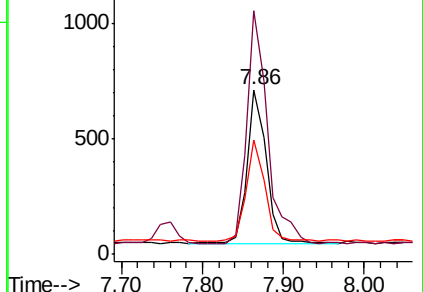
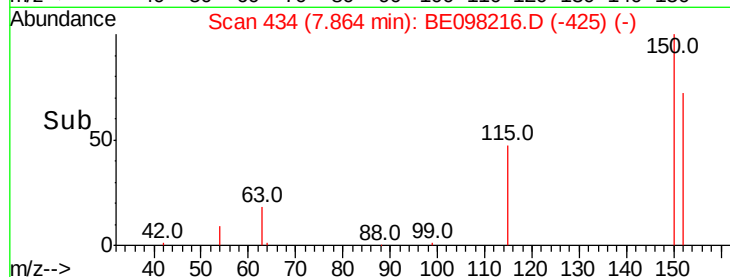
115 69.4 60.3 90.5



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: 0.288 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

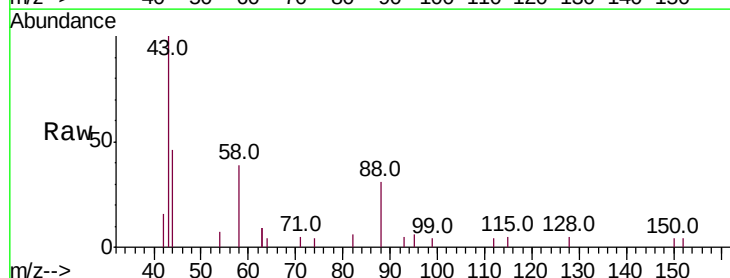
Tgt Ion: 88 Resp: 464

Ion Ratio Lower Upper

88 100

58 105.4 79.0 118.4

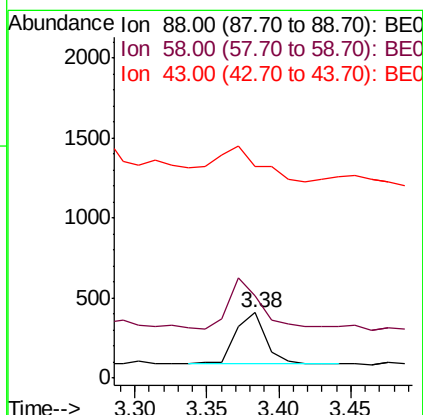
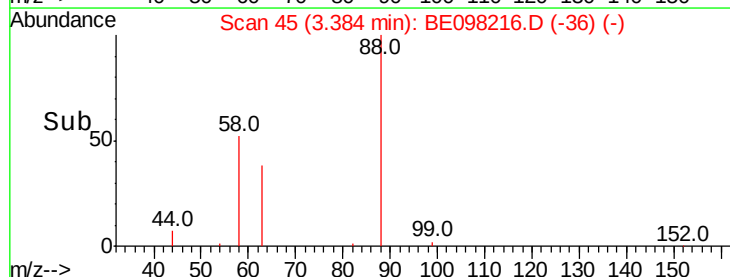
43 103.9 38.1 57.1#

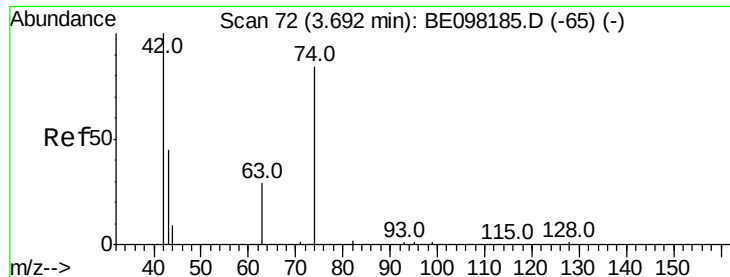


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



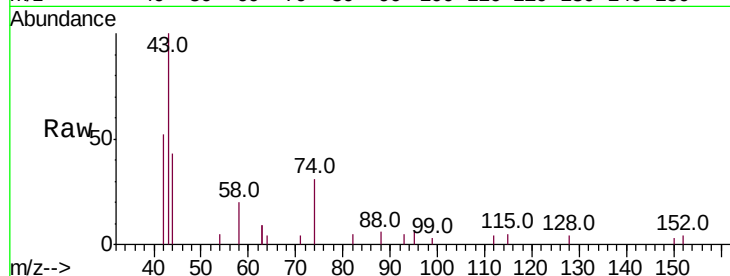


#3

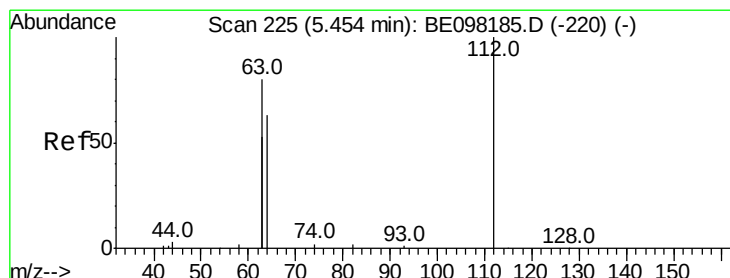
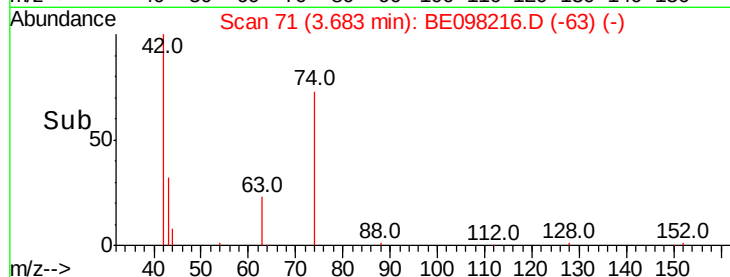
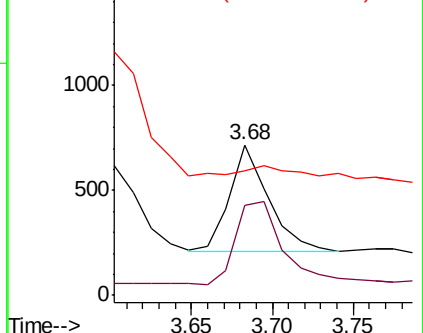
n-Nitrosodimethylamine  
 Concen: 0.407 ng  
 RT: 3.68 min Scan# 71  
 Delta R.T. -0.01 min  
 Lab File: BE098216.D  
 Acq: 13 Nov 2018 19:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OLDMANS-2MSD

Tot Ion: 42 Resp: 853  
 Ion Ratio Lower Upper  
 42 100  
 74 93.4 61.7 92.5#  
 44 17.1 14.0 21.0



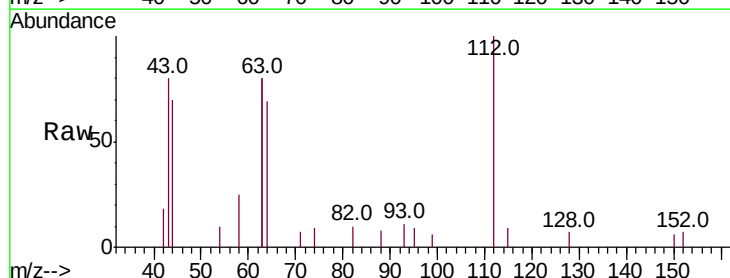
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



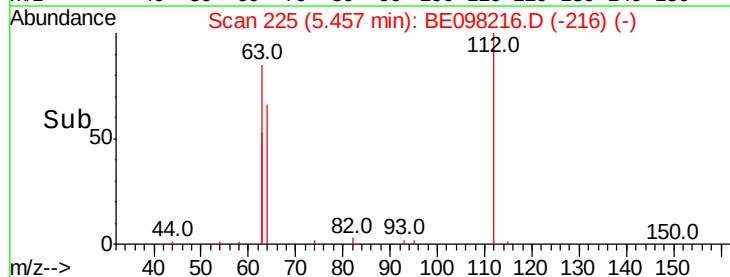
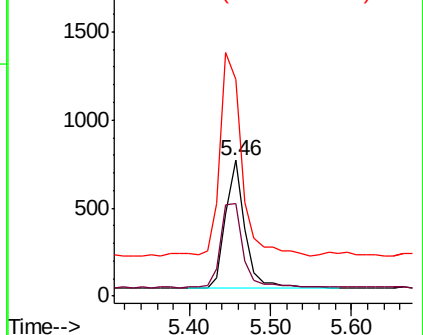
#4

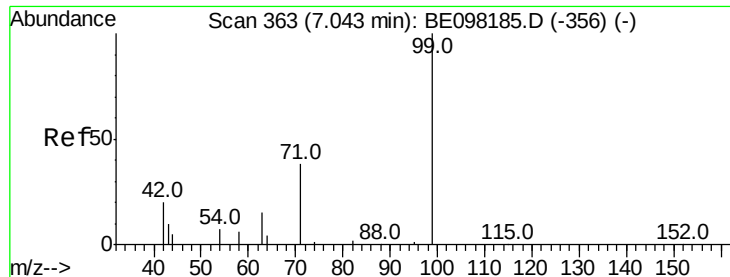
2-Fluorophenol  
 Concen: 0.398 ng  
 RT: 5.46 min Scan# 225  
 Delta R.T. 0.00 min  
 Lab File: BE098216.D  
 Acq: 13 Nov 2018 19:42

Tgt Ion: 112 Resp: 1199  
 Ion Ratio Lower Upper  
 112 100  
 64 77.2 61.7 92.5  
 63 176.1 136.2 204.2



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: 0.398 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

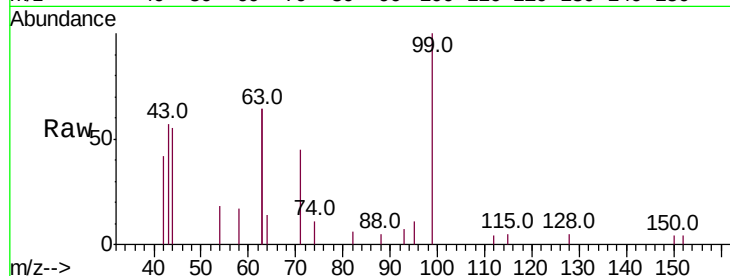
Tot Ion: 99 Resp: 1927

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

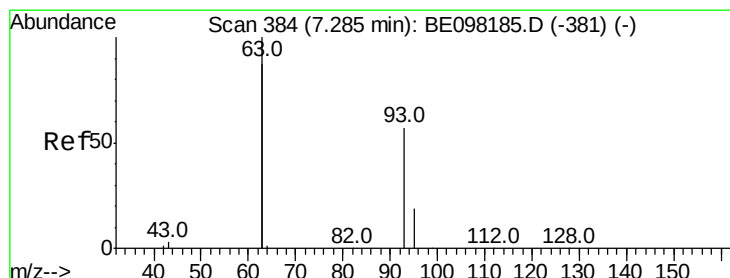
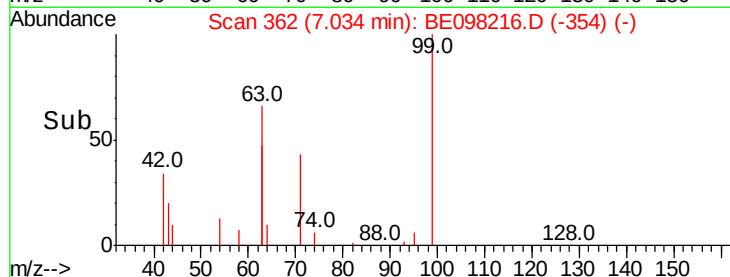
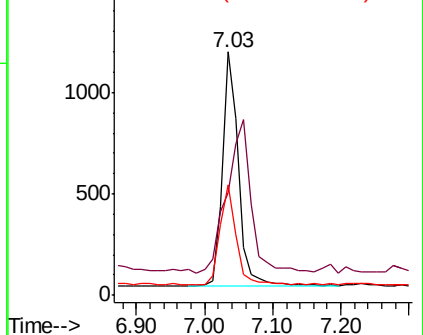
71 42.3 37.0 55.6



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: 0.367 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

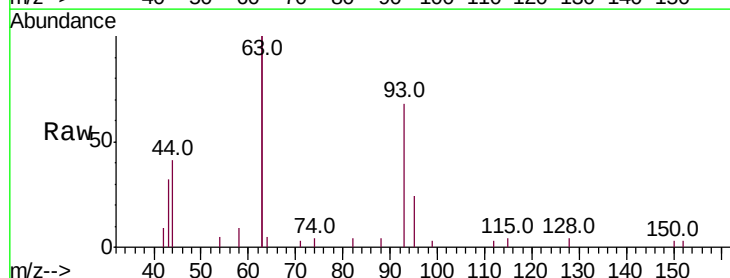
Tgt Ion: 93 Resp: 1435

Ion Ratio Lower Upper

93 100

63 330.0 272.6 409.0

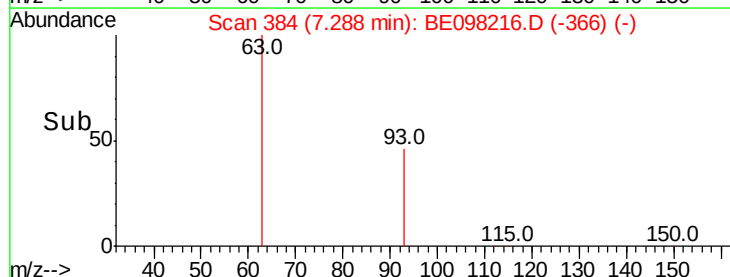
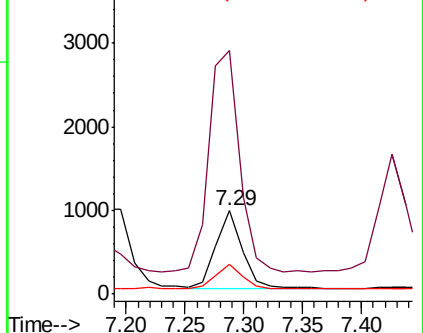
95 32.6 27.1 40.7

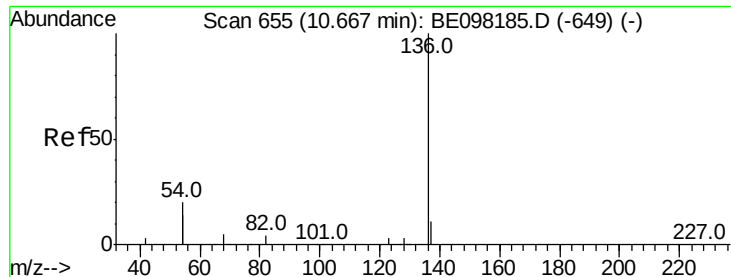


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

Tot Ion:136 Resp: 4441

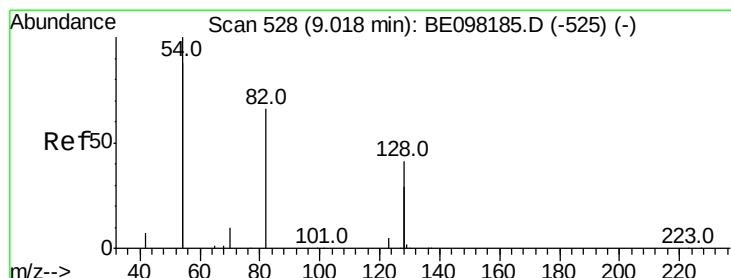
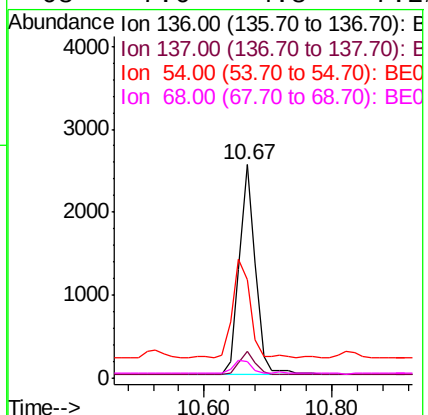
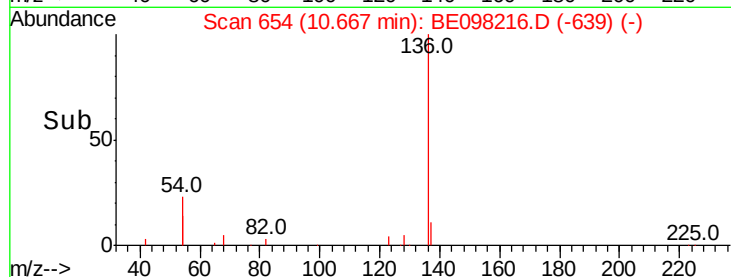
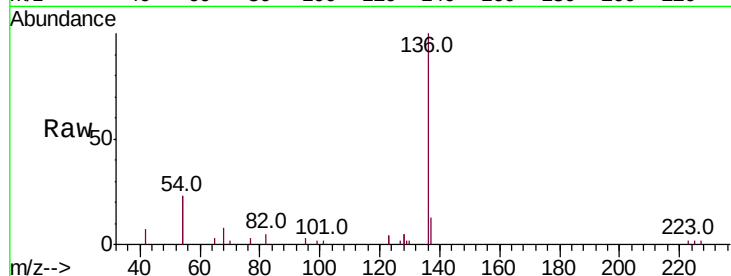
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 46.2 31.3 46.9

68 7.6 4.8 7.2#



#8

Nitrobenzene-d5

Concen: 0.417 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

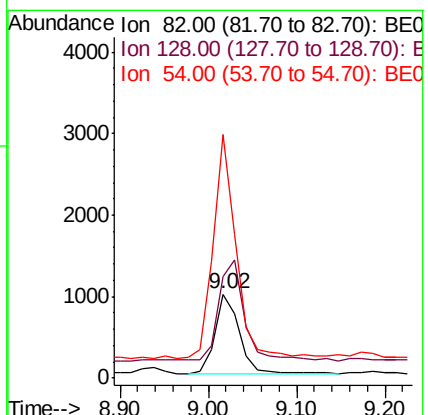
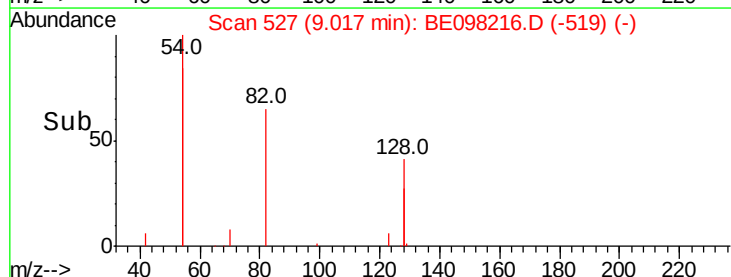
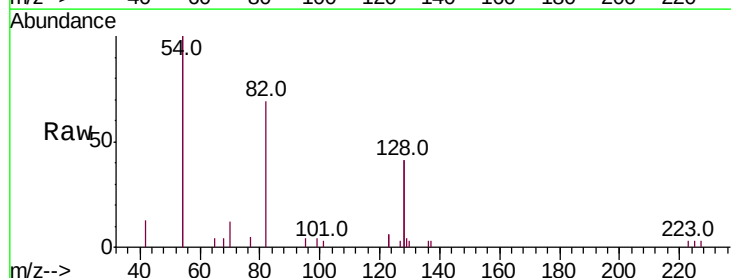
Tgt Ion: 82 Resp: 1847

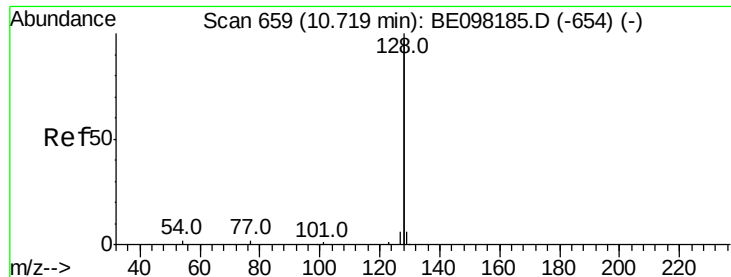
Ion Ratio Lower Upper

82 100

128 119.8 96.1 144.1

54 289.3 232.0 348.0





#9

Naphthalene

Concen: 0.442 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

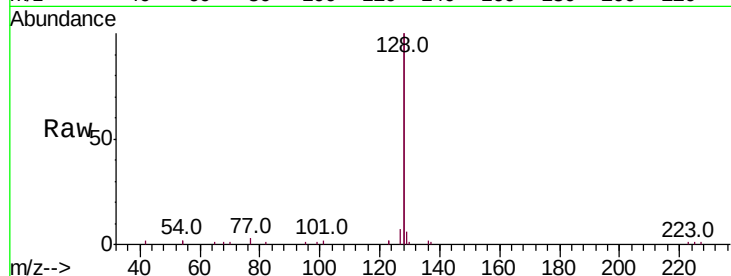
Tot Ion:128 Resp: 19942

Ion Ratio Lower Upper

128 100

129 3.2 2.6 4.0

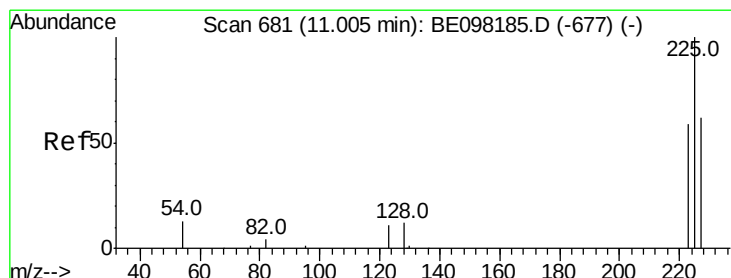
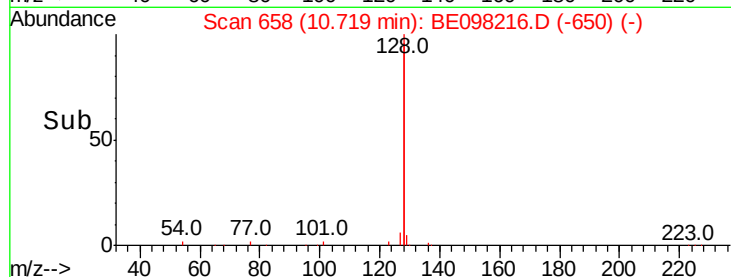
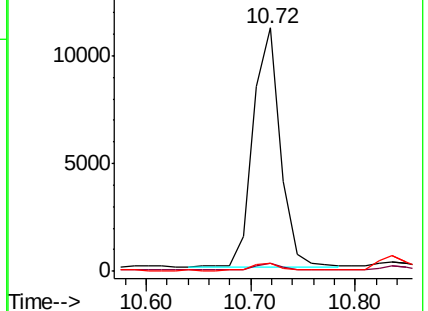
127 3.6 2.8 4.2



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: 0.365 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

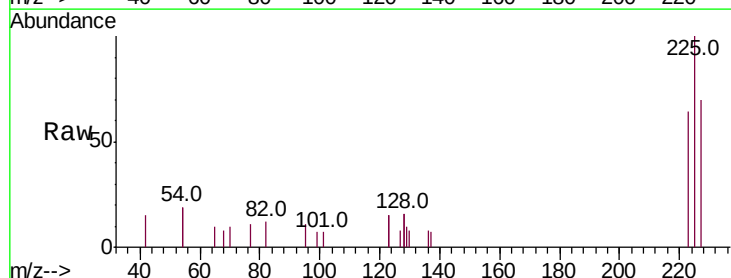
Tgt Ion:225 Resp: 1026

Ion Ratio Lower Upper

225 100

223 65.2 50.5 75.7

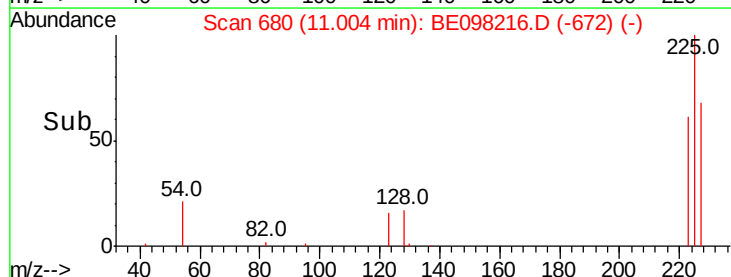
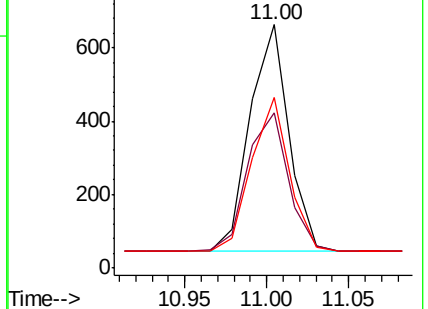
227 66.3 50.3 75.5

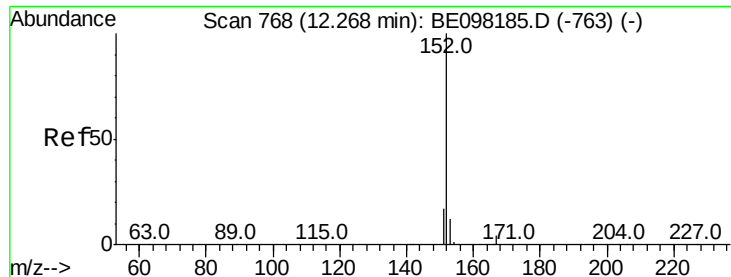


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

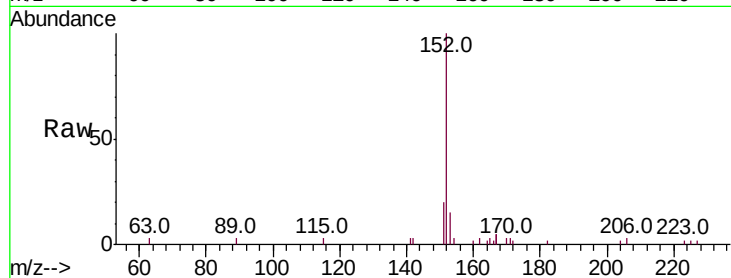
OLDMANS-2MSD

Tot Ion:152 Resp: 3146

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

2000

1500

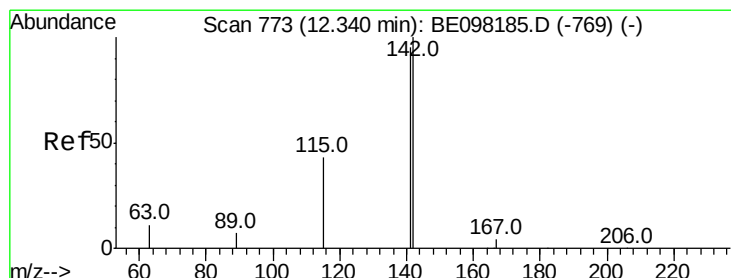
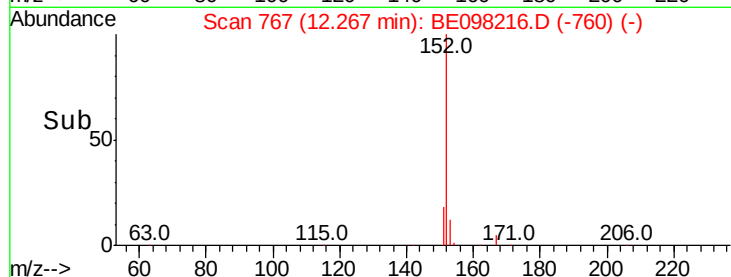
1000

500

0

12.20 12.30 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.463 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

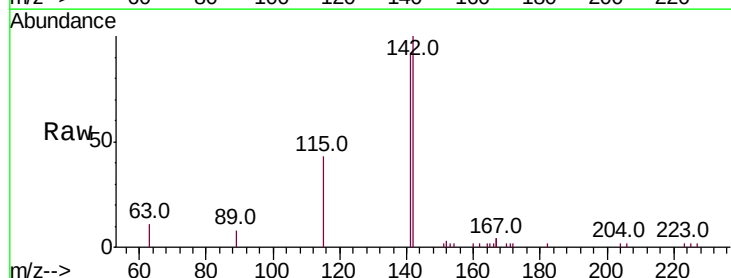
Tgt Ion:142 Resp: 3626

Ion Ratio Lower Upper

142 100

141 91.6 76.3 114.5

115 43.3 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

3000

2500

2000

1500

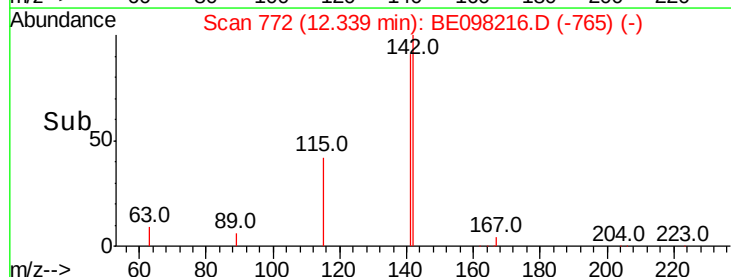
1000

500

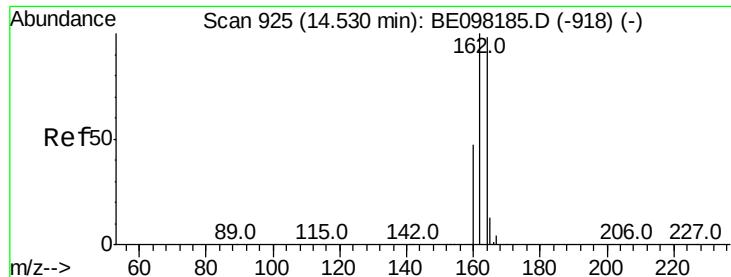
0

12.25 12.30 12.35 12.40

Time-->



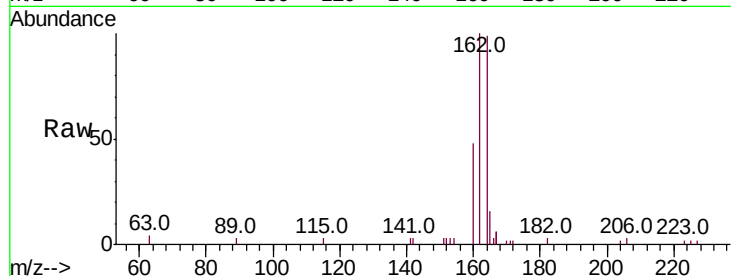




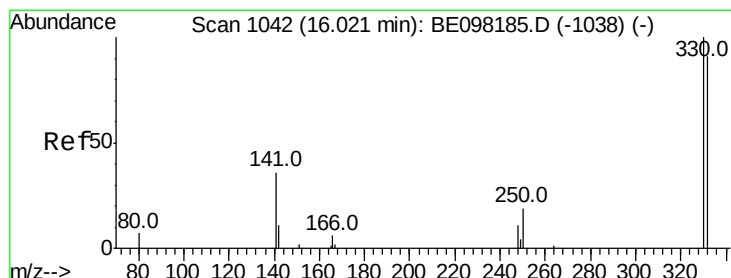
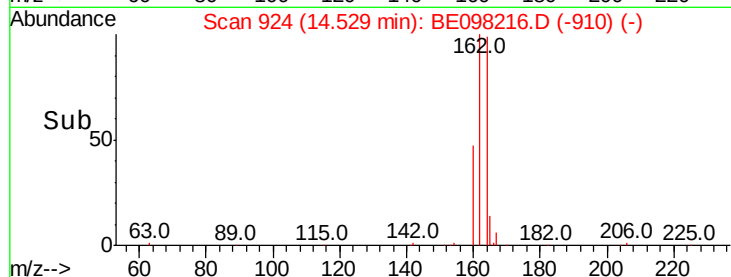
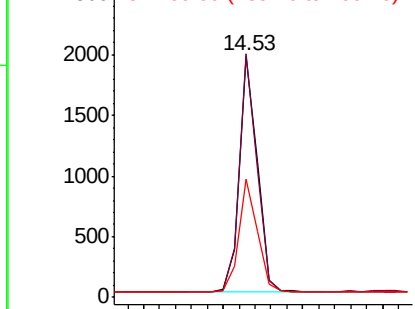
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Instrument :  
BNA\_E  
ClientSampleId :  
OLDMANS-2MSD

Tot Ion:164 Resp: 3020  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.8 122.6  
160 48.9 39.4 59.0

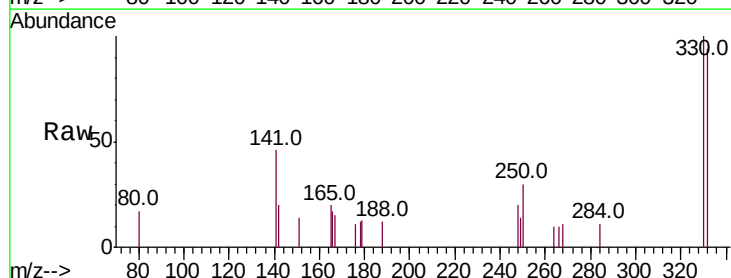


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

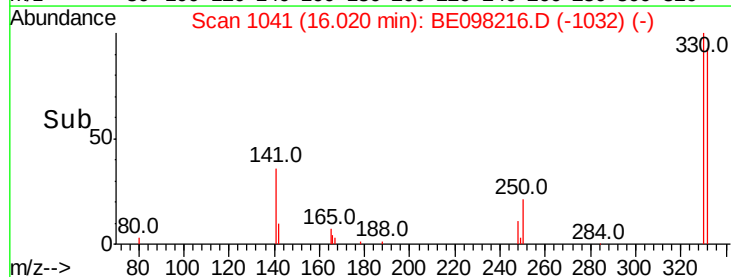
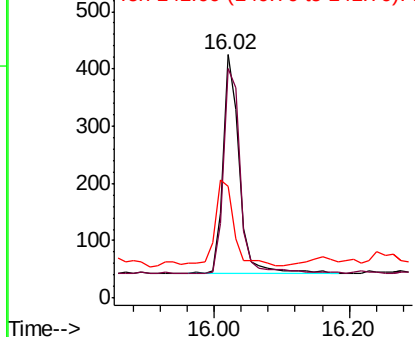


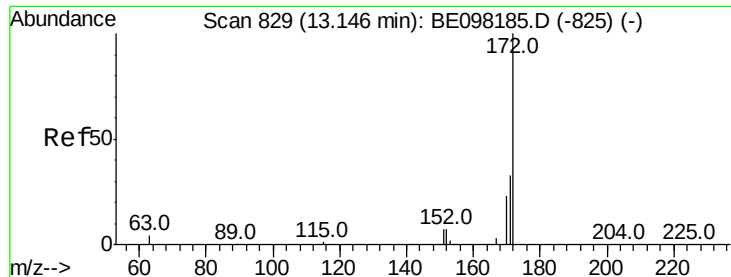
#14  
2,4,6-Tribromophenol  
Concen: 0.494 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Tgt Ion:330 Resp: 651  
Ion Ratio Lower Upper  
330 100  
332 98.5 77.7 116.5  
141 44.1 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

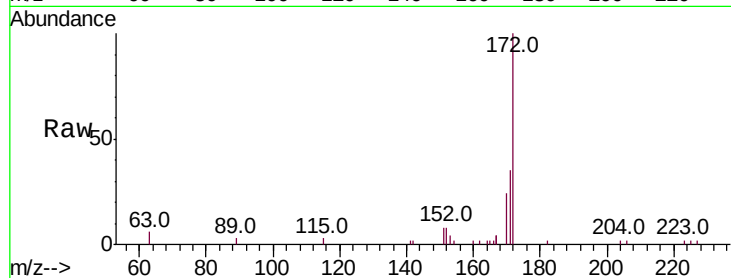




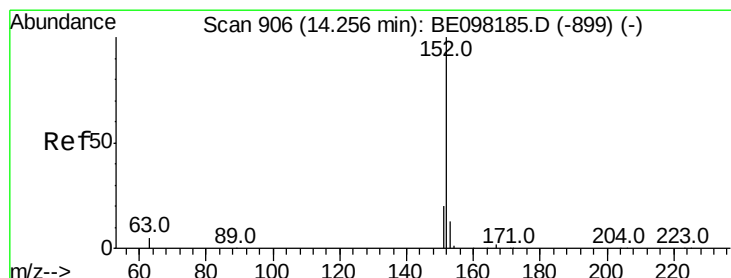
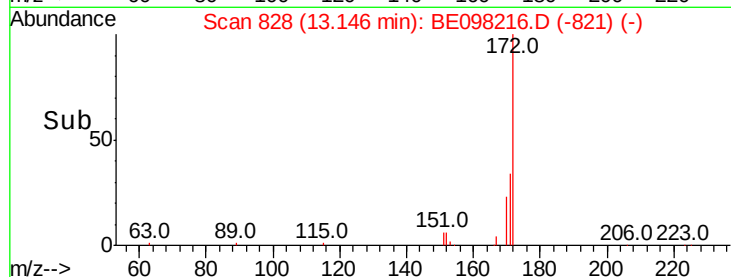
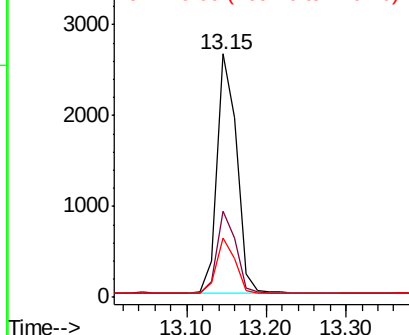
#15  
2-Fluorobiphenyl  
Concen: 0.358 ng  
RT: 13.15 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Instrument :  
BNA\_E  
ClientSampleId :  
OLDMANS-2MSD

Tot Ion:172 Resp: 4524  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.3 40.9  
170 24.4 19.4 29.0

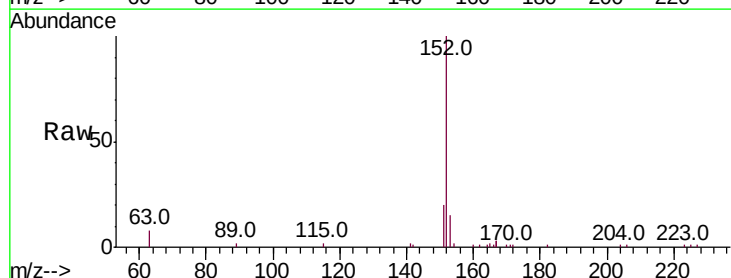


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

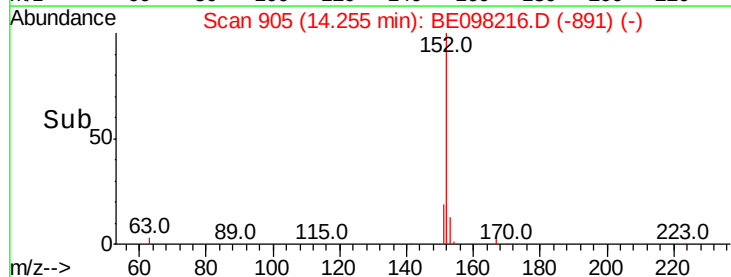
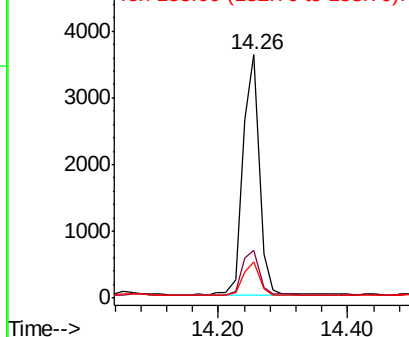


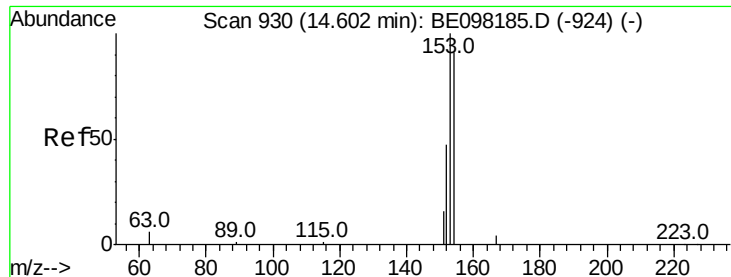
#16  
Acenaphthylene  
Concen: 0.452 ng  
RT: 14.26 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Tgt Ion:152 Resp: 6263  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.4 24.6  
153 13.5 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

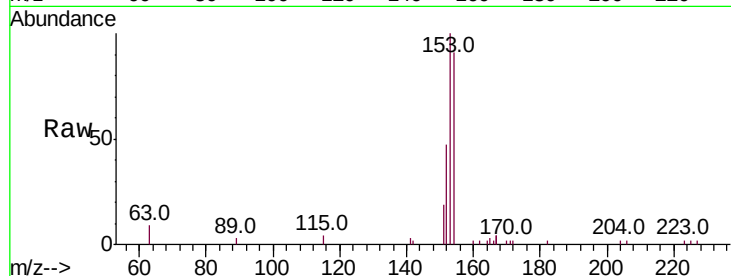




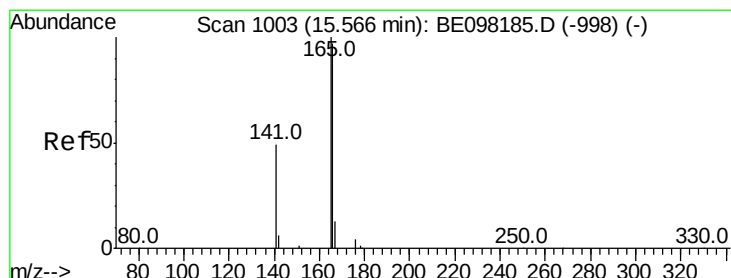
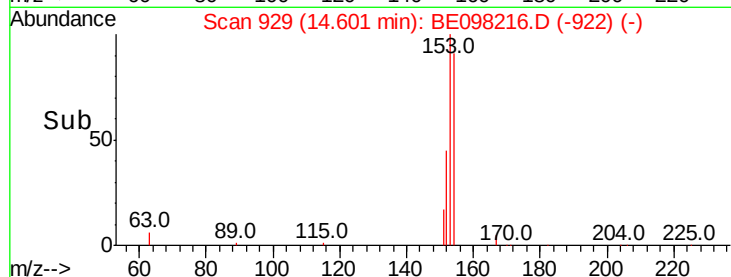
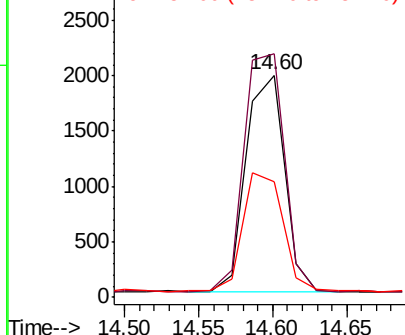
#17  
Acenaphthene  
Concen: 0.417 ng  
RT: 14.60 min Scan# 929  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Instrument :  
BNA\_E  
ClientSampleId :  
OLDMANS-2MSD

Tot Ion:154 Resp: 3524  
Ion Ratio Lower Upper  
154 100  
153 115.9 92.1 138.1  
152 56.9 46.2 69.2

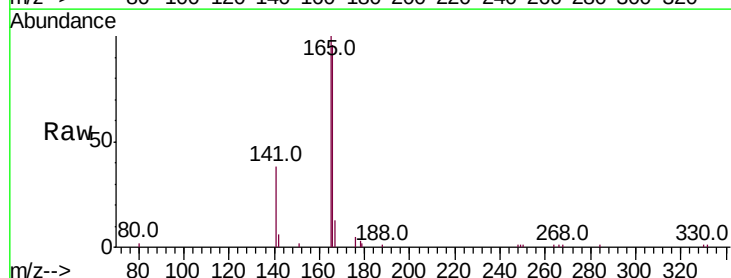


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

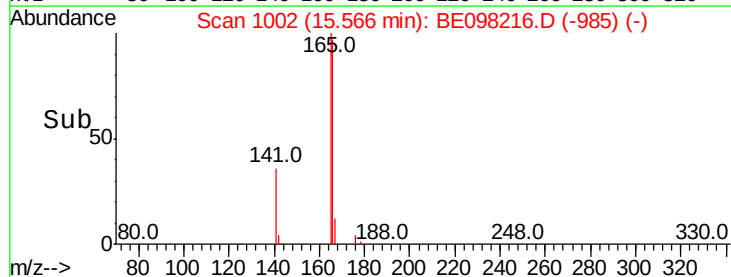
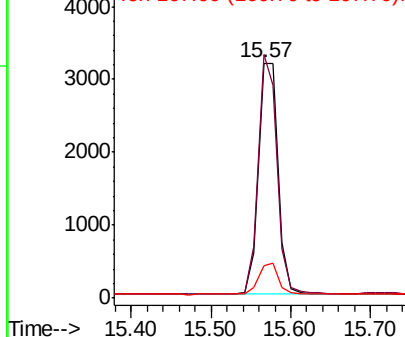


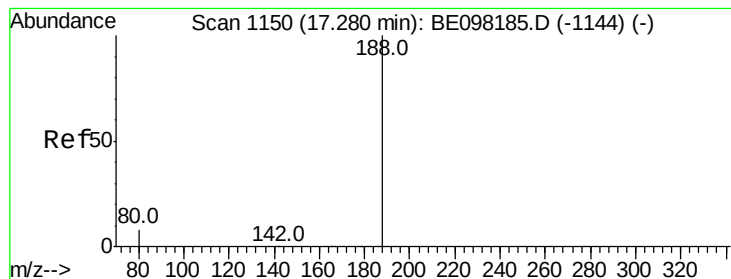
#18  
Fluorene  
Concen: 0.503 ng  
RT: 15.57 min Scan# 1002  
Delta R.T. -0.00 min  
Lab File: BE098216.D  
Acq: 13 Nov 2018 19:42

Tgt Ion:166 Resp: 5442  
Ion Ratio Lower Upper  
166 100  
165 97.3 80.1 120.1  
167 13.9 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: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

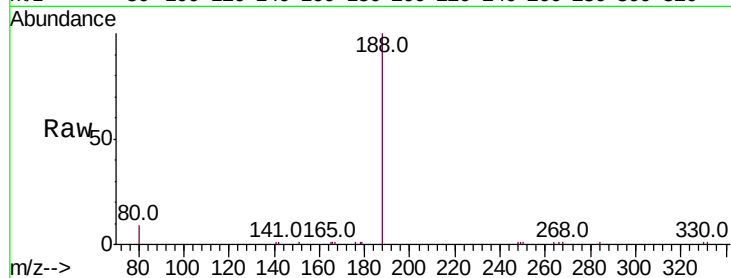
Tot Ion:188 Resp: 8457

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

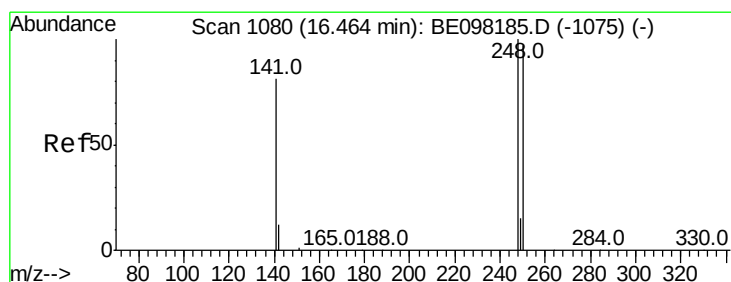
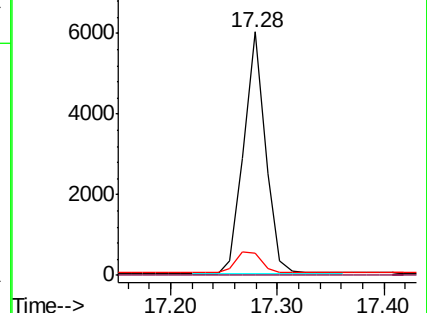
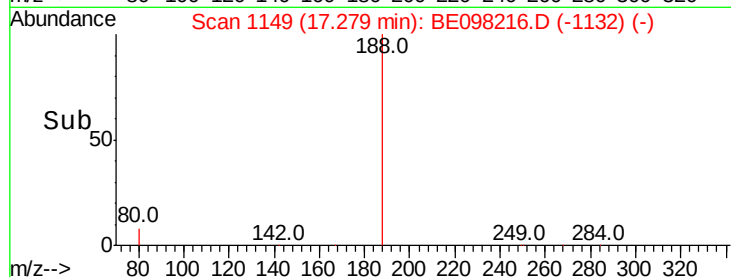
80 9.4 6.7 10.1



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: 0.389 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

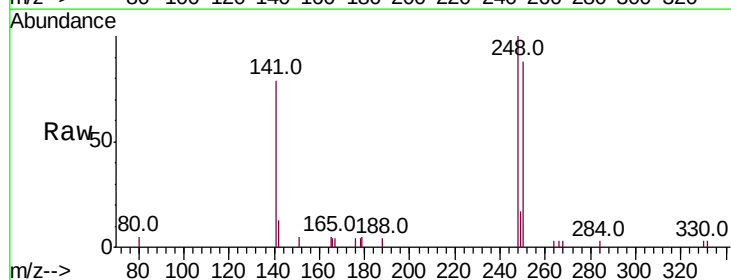
Tgt Ion:248 Resp: 2003

Ion Ratio Lower Upper

248 100

250 87.9 77.6 116.4

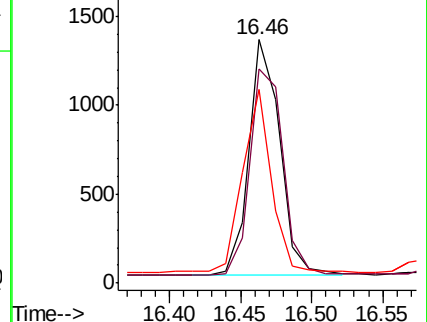
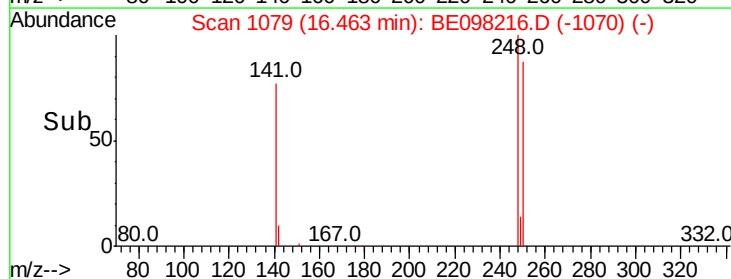
141 79.4 65.8 98.8

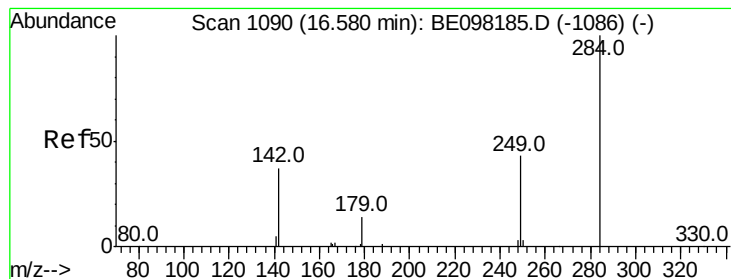


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.374 ng

RT: 16.59 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

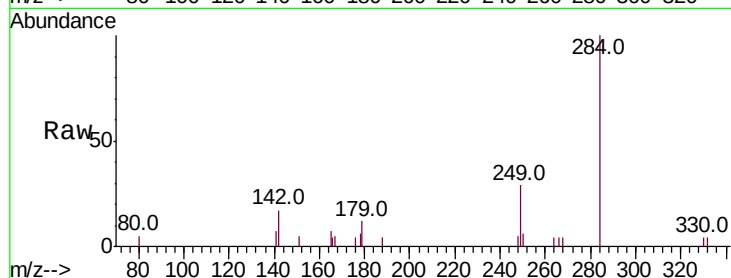
Tot Ion:284 Resp: 2007

Ion Ratio Lower Upper

284 100

142 33.9 26.5 39.7

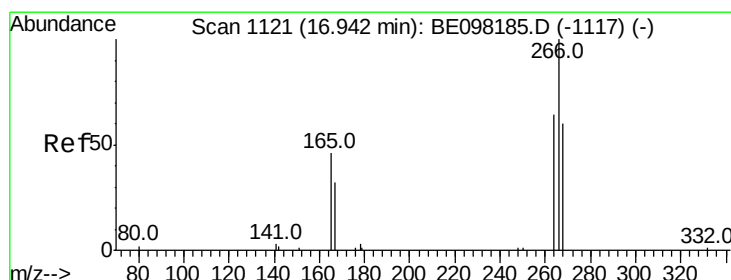
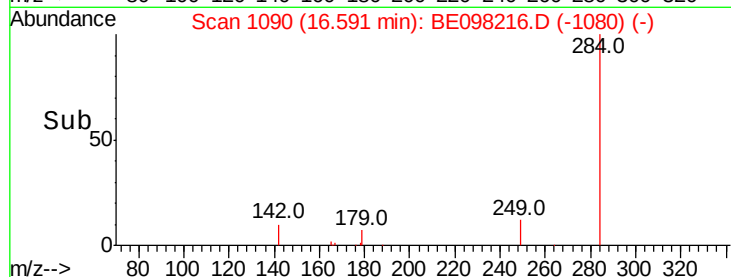
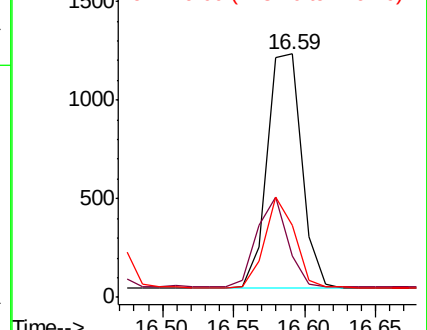
249 33.8 28.4 42.6



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: 0.584 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

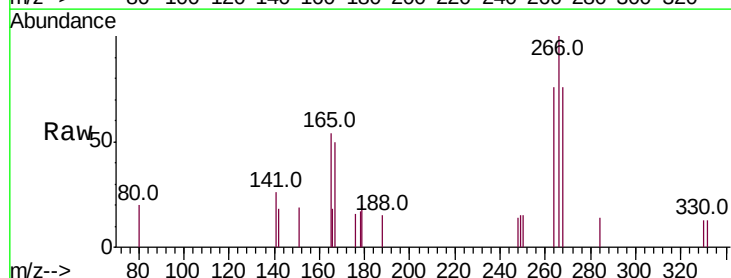
Tgt Ion:266 Resp: 603

Ion Ratio Lower Upper

266 100

264 75.7 57.6 86.4

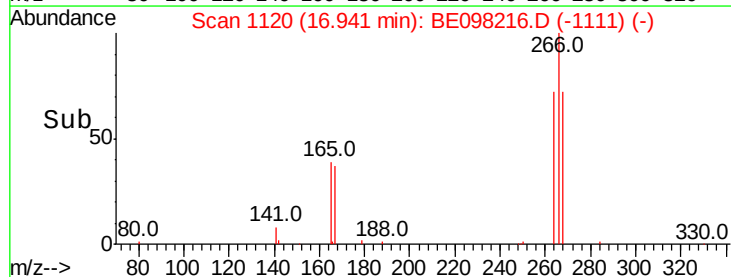
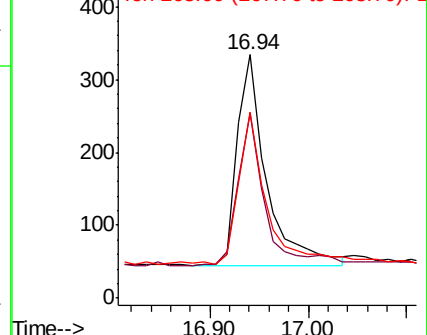
268 76.3 56.8 85.2

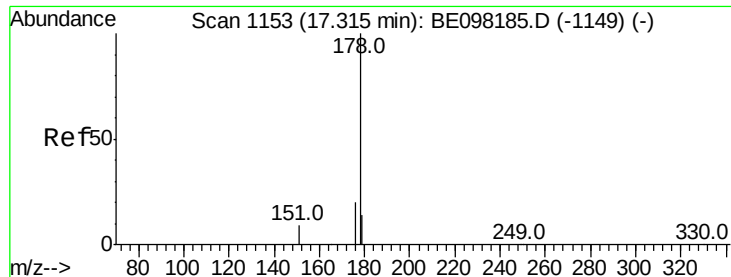


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.488 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

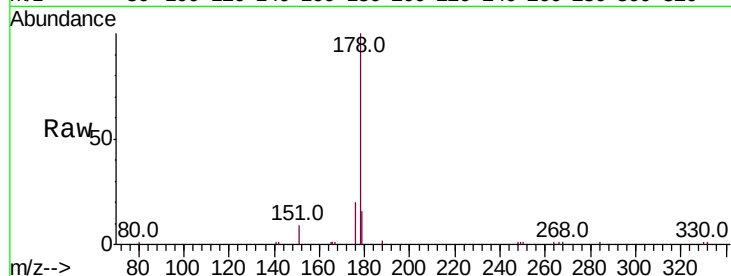
Tot Ion:178 Resp: 10288

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

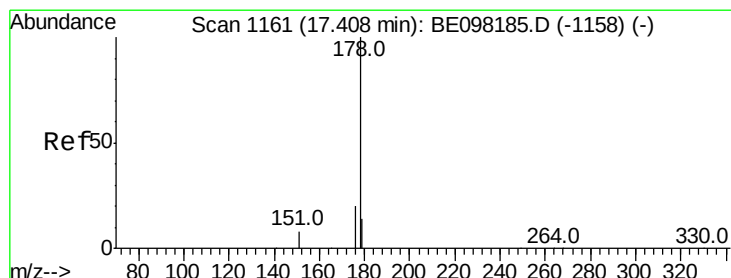
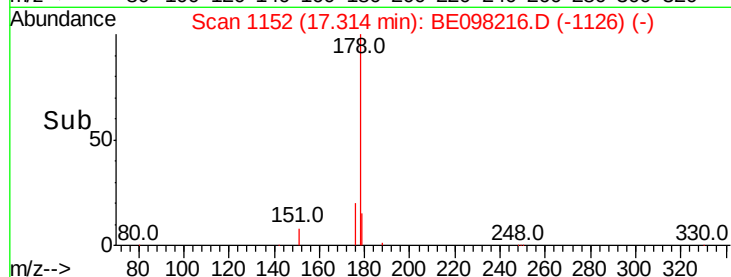
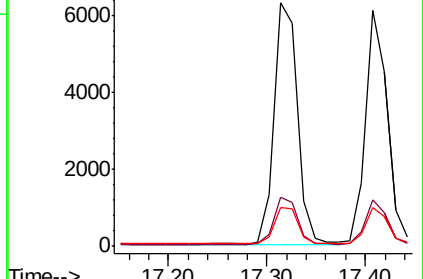
179 15.6 12.3 18.5



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: 0.471 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

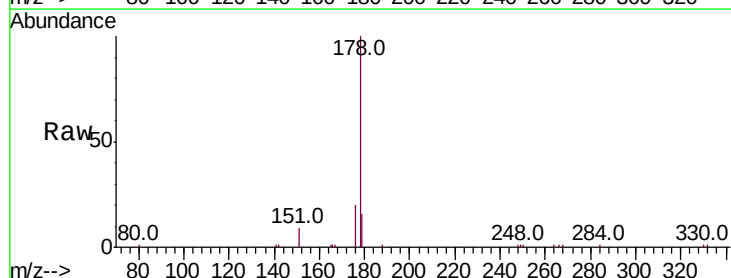
Tgt Ion:178 Resp: 9250

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

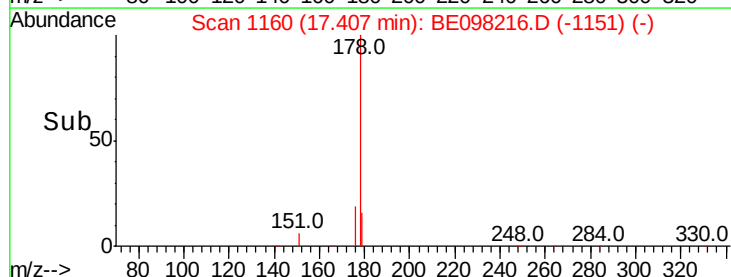
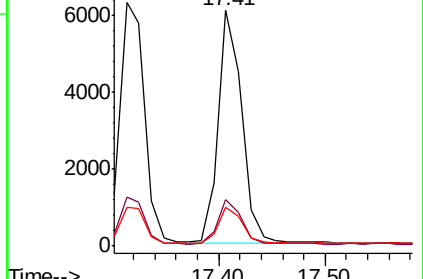
179 15.4 12.1 18.1

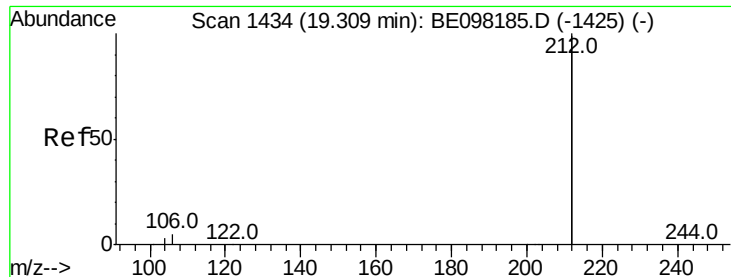


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.437 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

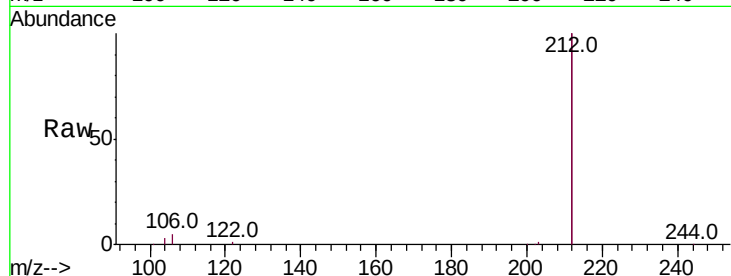
Tot Ion:212 Resp: 46104

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

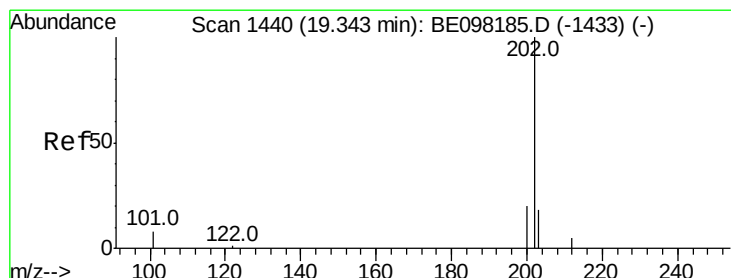
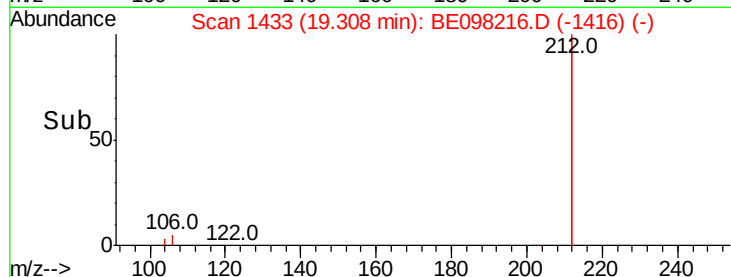
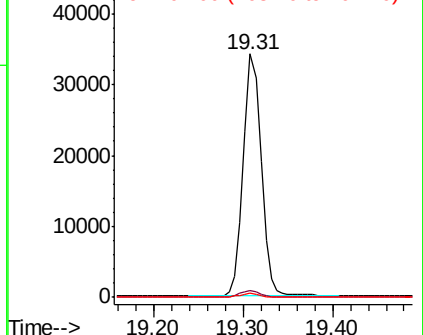
104 1.5 1.1 1.7



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



#26

Fluoranthene

Concen: 0.513 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

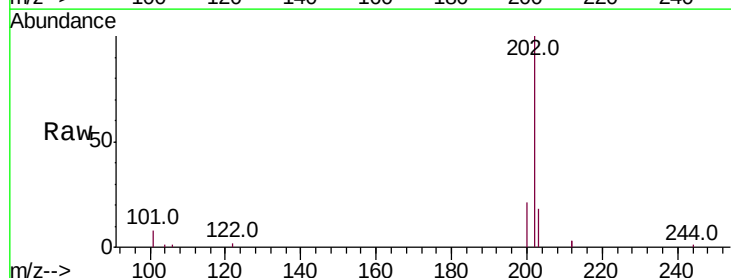
Tgt Ion:202 Resp: 13393

Ion Ratio Lower Upper

202 100

101 9.5 7.0 10.6

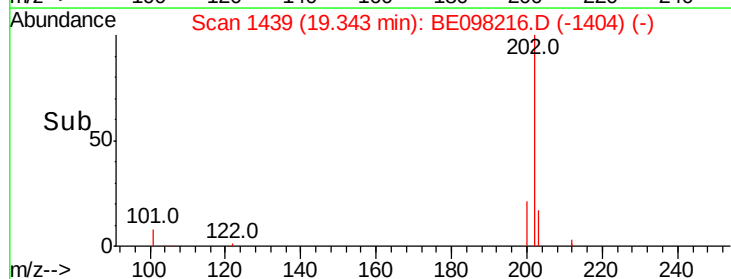
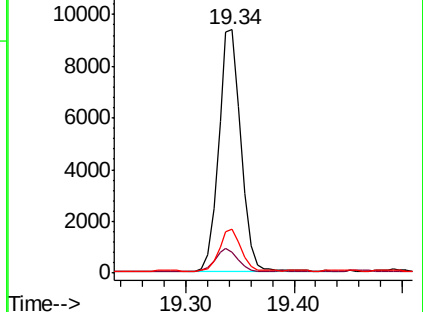
203 16.9 13.7 20.5

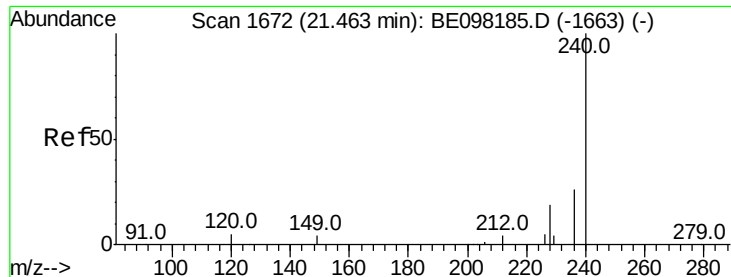


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

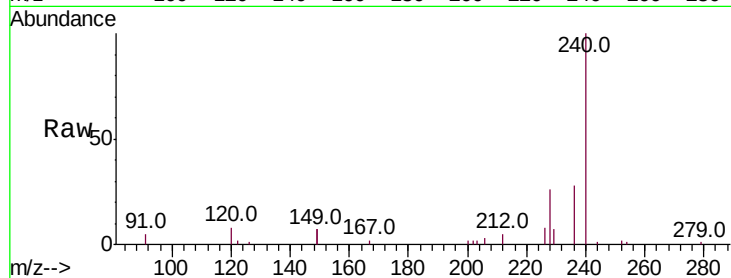
Tot Ion:240 Resp: 9803

Ion Ratio Lower Upper

240 100

120 7.6 4.8 7.2#

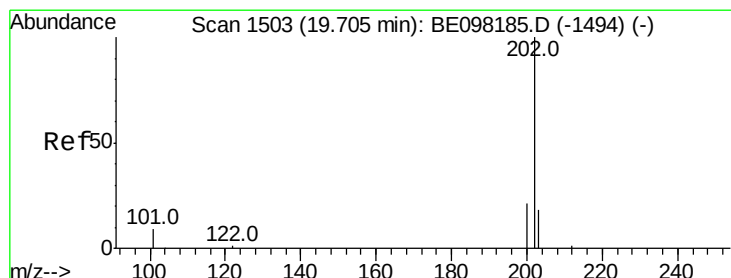
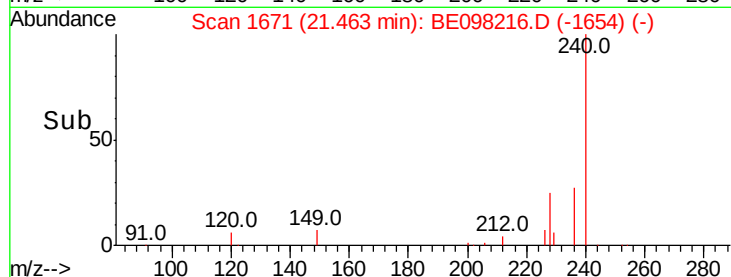
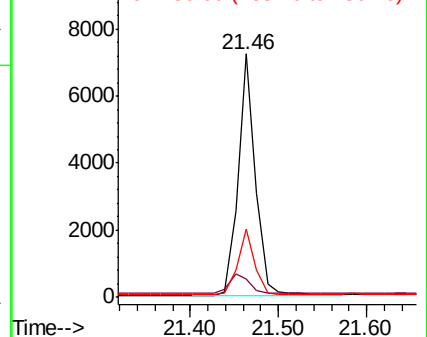
236 28.2 21.4 32.0



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: 0.509 ng

RT: 19.70 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

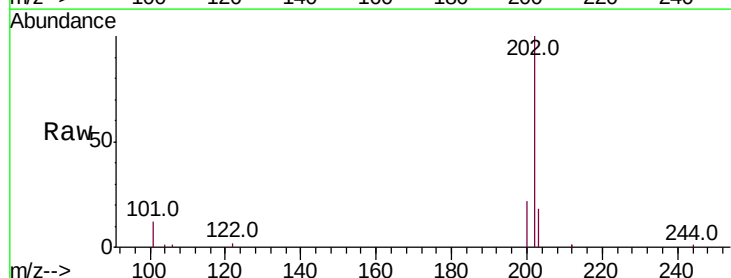
Tgt Ion:202 Resp: 13737

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

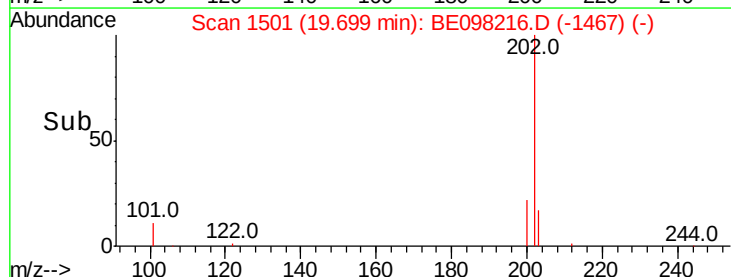
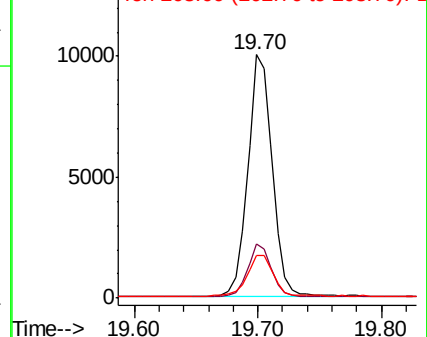
203 18.6 14.2 21.4



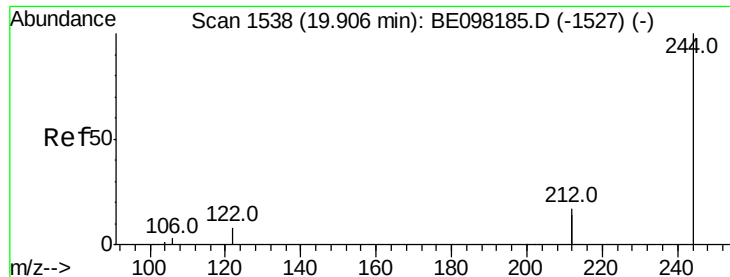
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

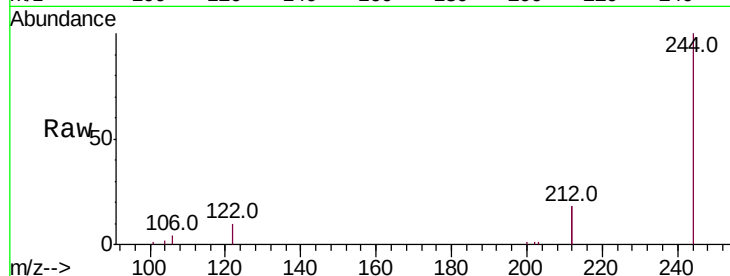
Tot Ion:244 Resp: 8676

Ion Ratio Lower Upper

244 100

212 35.9 26.8 40.2

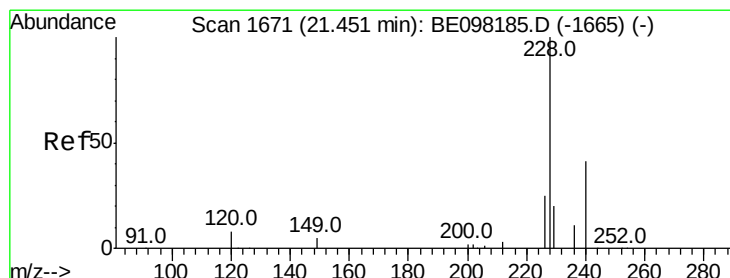
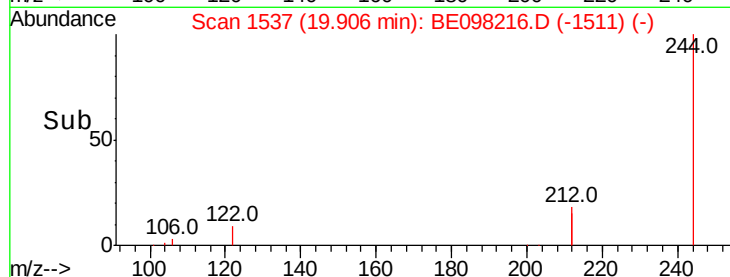
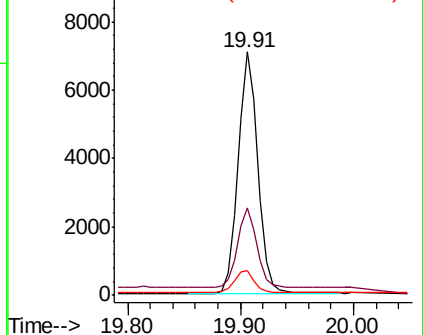
122 10.2 7.0 10.6



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: 0.513 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

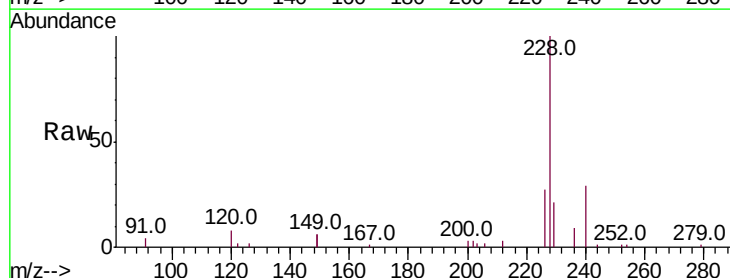
Tgt Ion:228 Resp: 14300

Ion Ratio Lower Upper

228 100

226 26.9 20.7 31.1

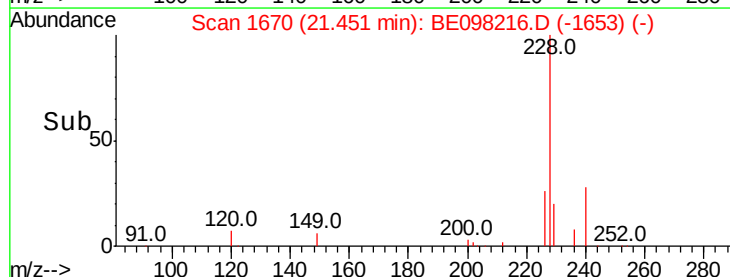
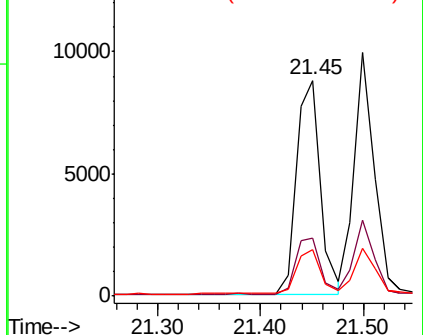
229 21.3 16.2 24.4

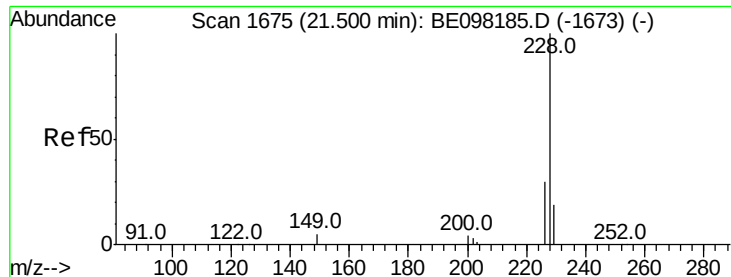


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.466 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

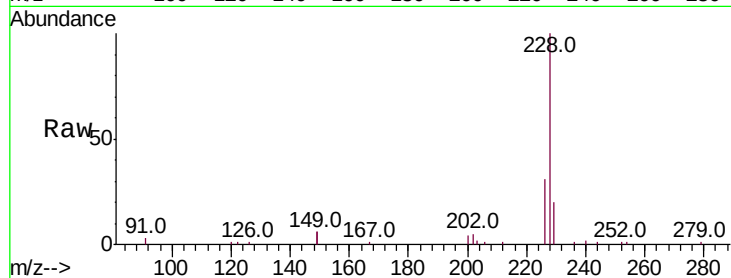
Tot Ion:228 Resp: 13190

Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

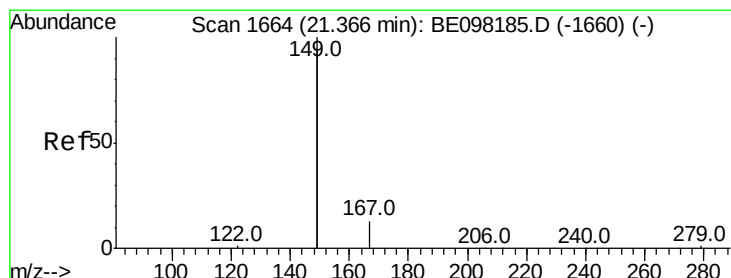
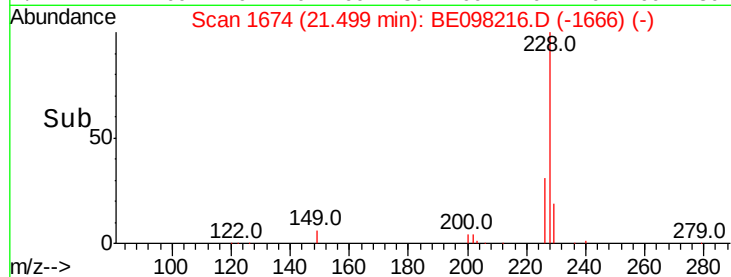
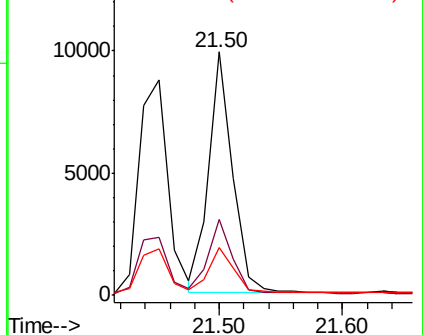
229 19.7 16.0 24.0



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: 0.694 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

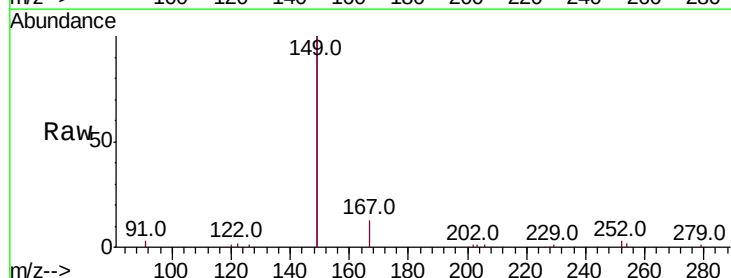
Tgt Ion:149 Resp: 40167

Ion Ratio Lower Upper

149 100

167 7.2 5.6 8.4

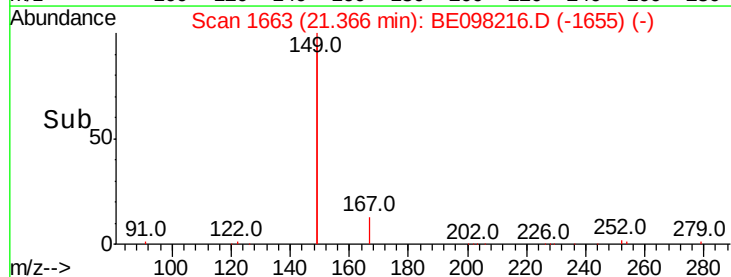
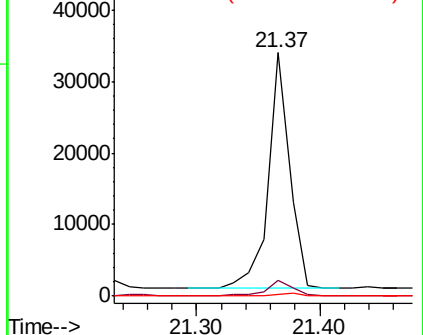
279 1.0 0.9 1.3

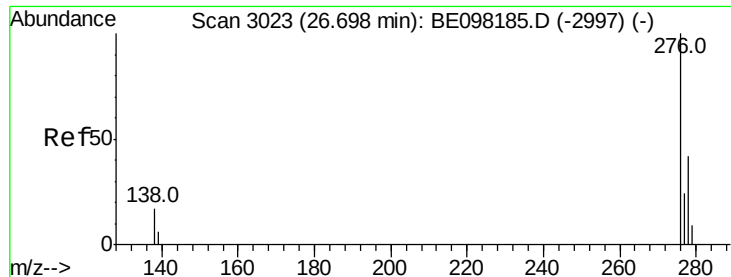


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.517 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

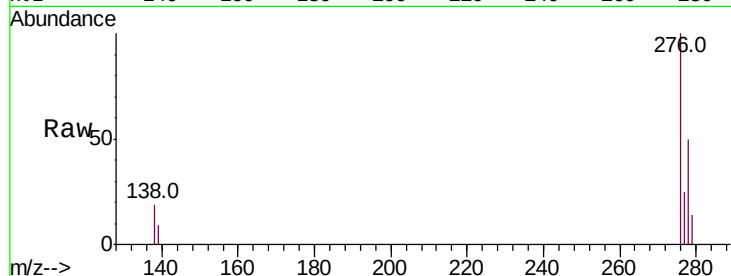
Tot Ion:276 Resp: 13400

Ion Ratio Lower Upper

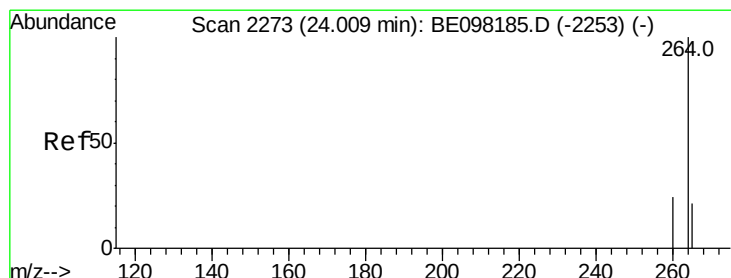
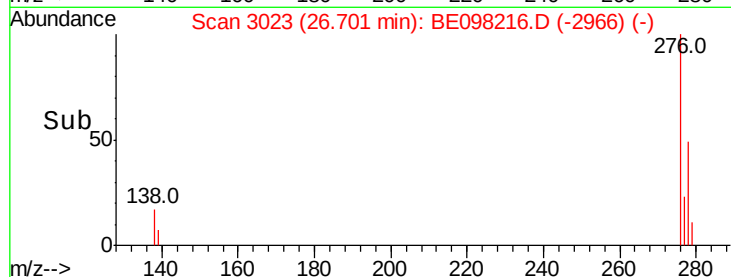
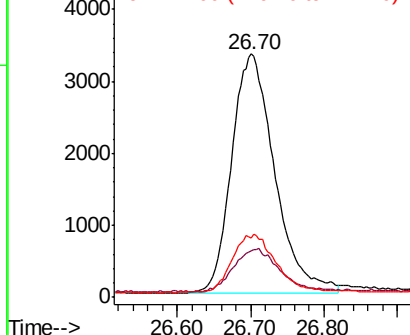
276 100

138 19.5 6.4 9.6#

277 24.5 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: BE098216.D

Acq: 13 Nov 2018 19:42

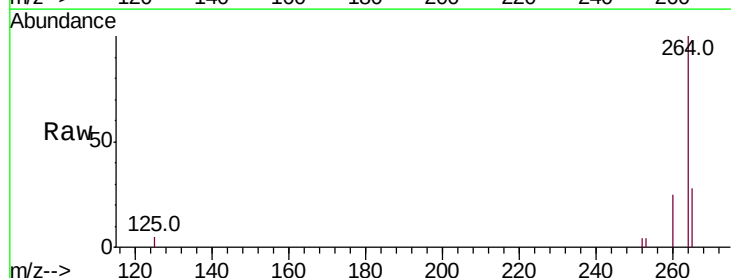
Tgt Ion:264 Resp: 9298

Ion Ratio Lower Upper

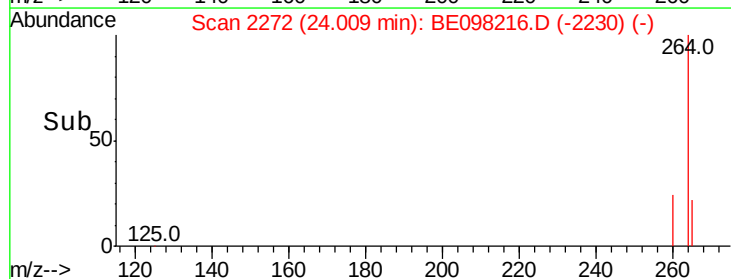
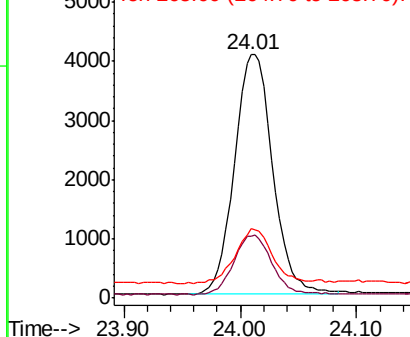
264 100

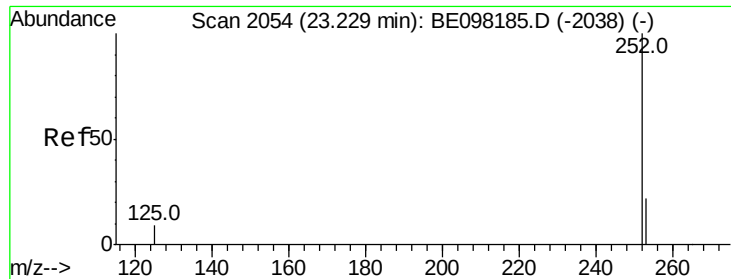
260 25.3 19.9 29.9

265 28.4 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: 0.508 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

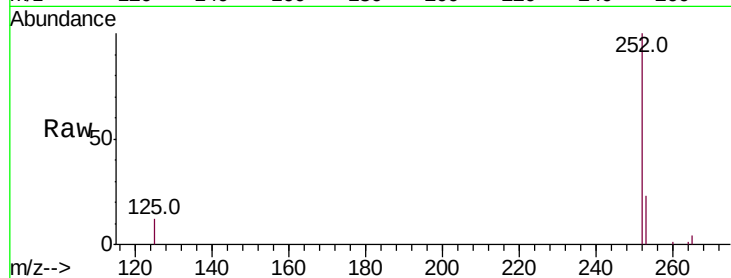
Tot Ion:252 Resp: 13391

Ion Ratio Lower Upper

252 100

253 22.8 19.4 29.0

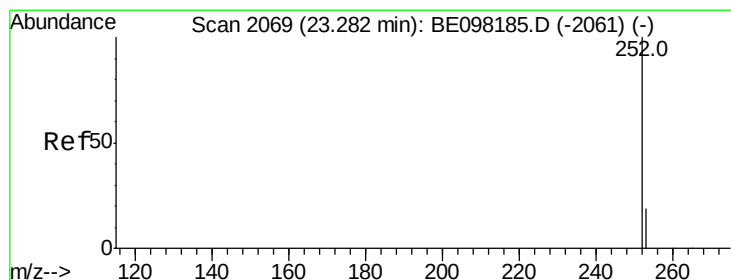
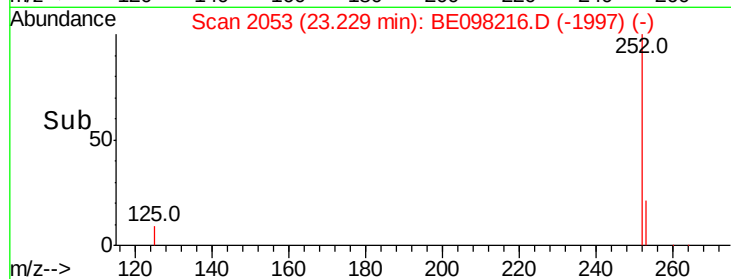
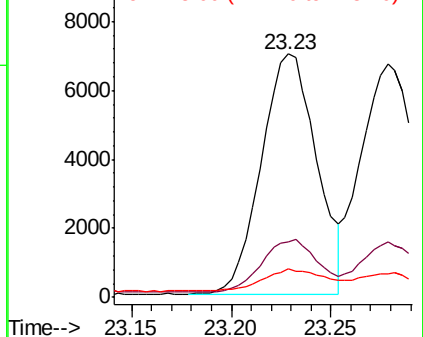
125 11.6 8.6 12.8



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: 0.477 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

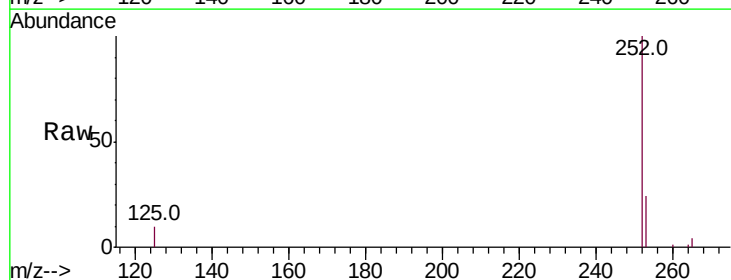
Tgt Ion:252 Resp: 13277

Ion Ratio Lower Upper

252 100

253 23.7 18.6 28.0

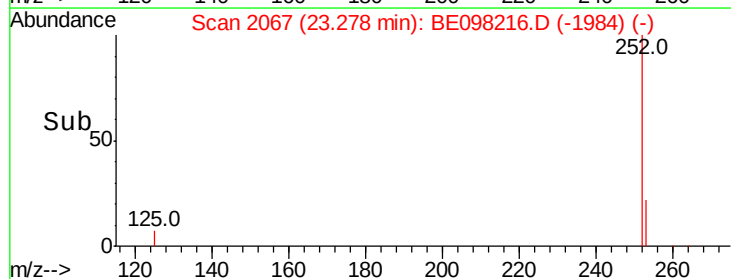
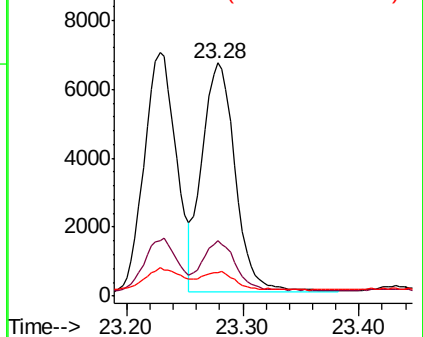
125 10.2 7.4 11.0

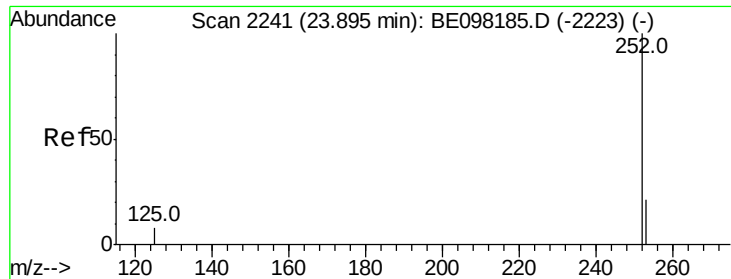


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.499 ng

RT: 23.90 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD

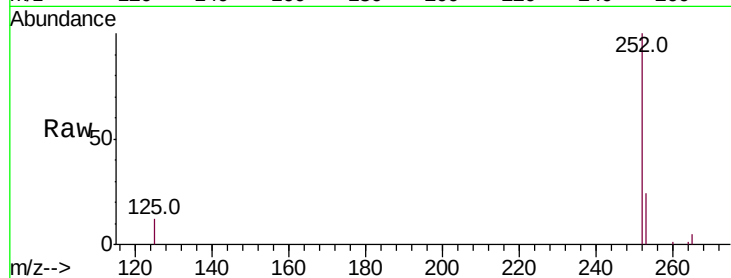
Tot Ion:252 Resp: 12625

Ion Ratio Lower Upper

252 100

253 24.2 18.6 27.8

125 12.0 8.0 12.0

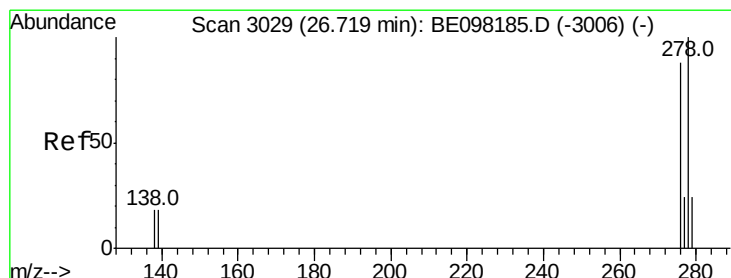
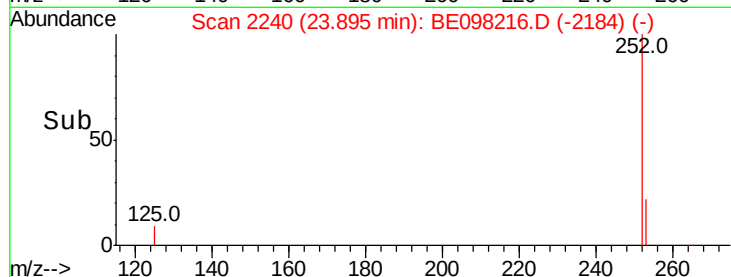
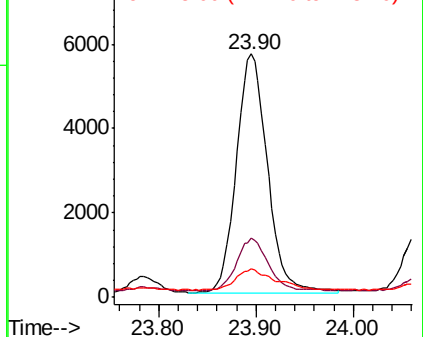


Abundance

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: 0.494 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.01 min

Lab File: BE098216.D

Acq: 13 Nov 2018 19:42

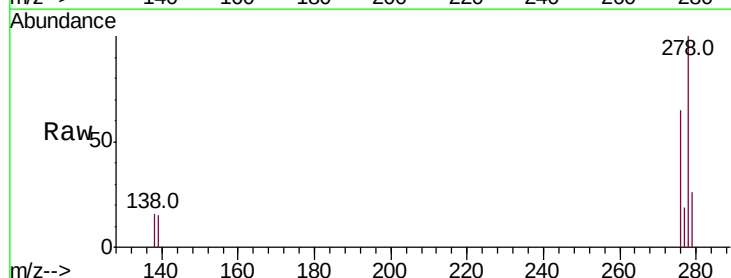
Tgt Ion:278 Resp: 10635

Ion Ratio Lower Upper

278 100

139 14.8 16.4 24.6#

279 26.0 21.3 31.9

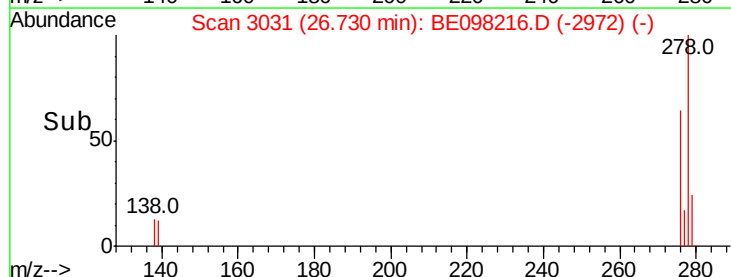
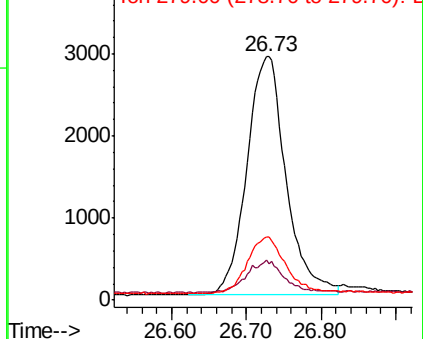


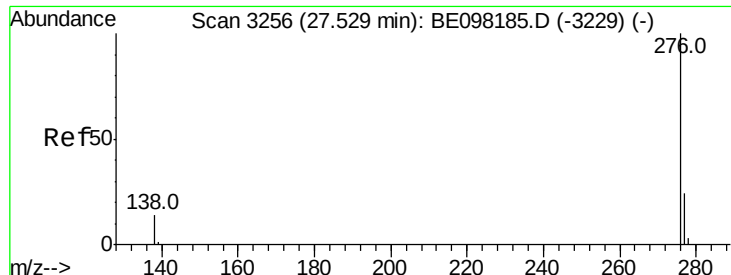
Abundance

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: 0.505 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BE098216.D

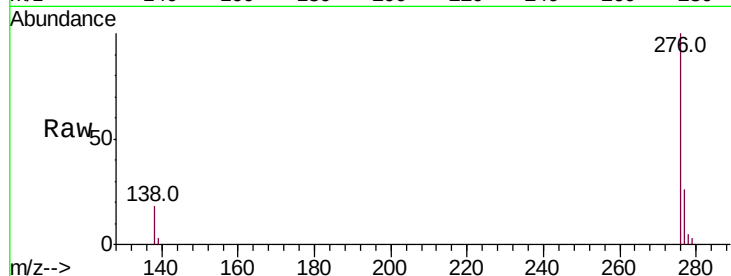
Acq: 13 Nov 2018 19:42

Instrument :

BNA\_E

ClientSampleId :

OLDMANS-2MSD



Tot Ion:276 Resp: 11350

Ion Ratio Lower Upper

276 100

277 26.0 20.4 30.6

138 18.4 13.2 19.8

