

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070519\  
 Data File : BE100388.D  
 Acq On : 5 Jul 2019 19:10  
 Operator : JU/SJ  
 Sample : K3560-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-009-SW142-062419

Quant Time: Jul 06 00:13:38 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 663      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.42 | 136  | 2264     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 1771     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.04 | 188  | 5225     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.23 | 240  | 6868     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.66 | 264  | 8439     | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.19  | 112 | 539   | 0.32 | ng | -0.02 |
| 5) Phenol-d6                | 6.82  | 99  | 661   | 0.30 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.79  | 82  | 475   | 0.21 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.02 | 152 | 1316  | 0.31 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.80 | 330 | 459   | 0.37 | ng | -0.03 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 2009  | 0.29 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 20591 | 0.27 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.68 | 244 | 4399  | 0.31 | ng | -0.02 |

#### Target Compounds

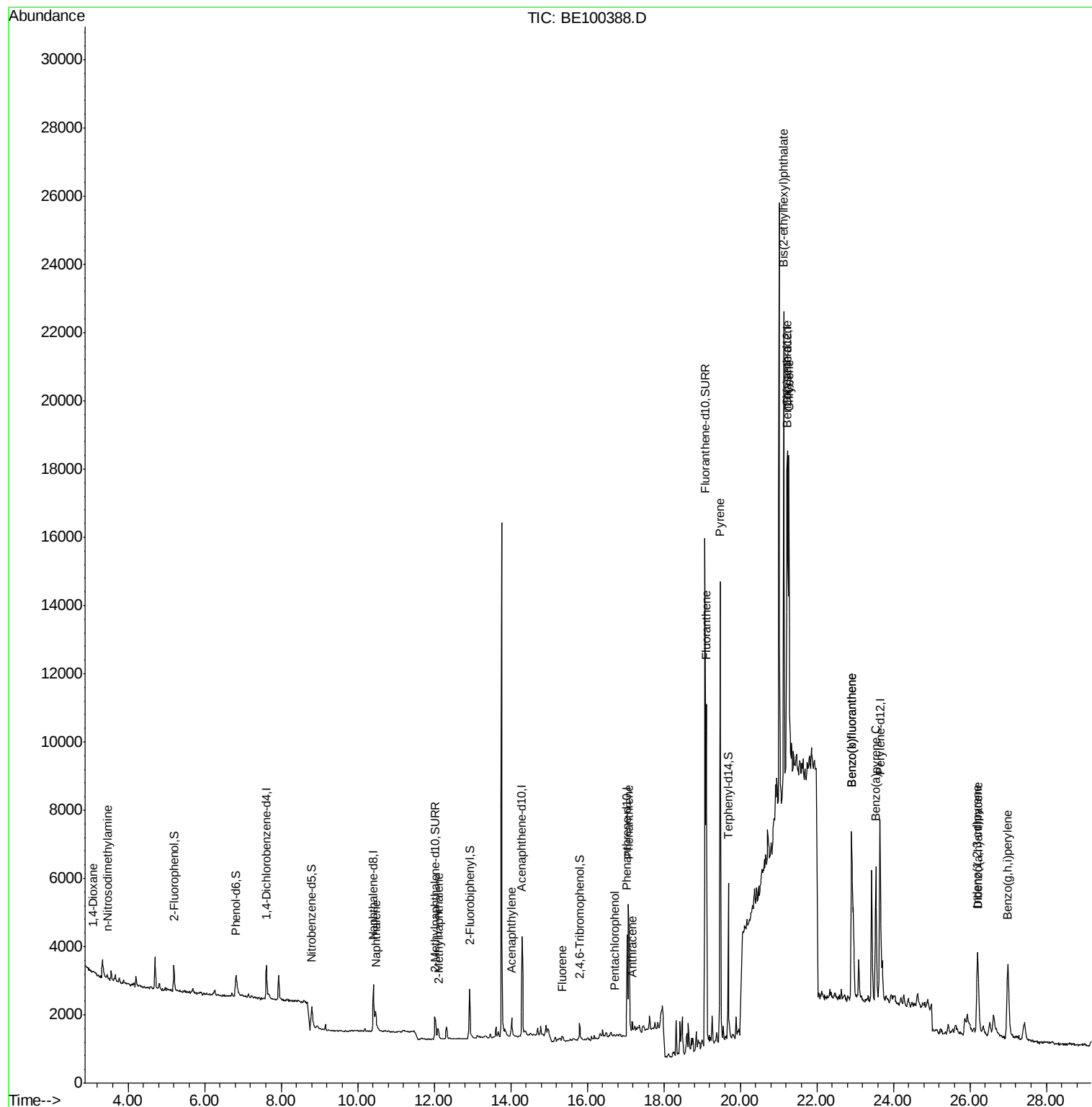
|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 26    | 0.025 | ng | # 32   |
| 3) n-Nitrosodimethylamine      | 3.47  | 42  | 19    | 0.040 | ng | # 1    |
| 9) Naphthalene                 | 10.47 | 128 | 1057  | 0.042 | ng | # 83   |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 276   | 0.063 | ng | # 92   |
| 16) Acenaphthylene             | 14.02 | 152 | 753   | 0.089 | ng | # 95   |
| 18) Fluorene                   | 15.34 | 166 | 218   | 0.031 | ng | # 10   |
| 22) Pentachlorophenol          | 16.72 | 266 | 22    | 0.021 | ng | # 73   |
| 23) Phenanthrene               | 17.08 | 178 | 4873  | 0.385 | ng | # 97   |
| 24) Anthracene                 | 17.18 | 178 | 525   | 0.046 | ng | # 91   |
| 26) Fluoranthene               | 19.12 | 202 | 9904  | 0.491 | ng | # 99   |
| 28) Pyrene                     | 19.48 | 202 | 13284 | 0.731 | ng | # 97   |
| 30) Benzo(a)anthracene         | 21.22 | 228 | 6496  | 0.288 | ng | # 79   |
| 31) Chrysene                   | 21.27 | 228 | 9835  | 0.434 | ng | # 90   |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 15101 | 0.416 | ng | # 97   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.20 | 276 | 5309  | 0.177 | ng | # 95   |
| 35) Benzo(b)fluoranthene       | 22.91 | 252 | 10296 | 0.450 | ng | # 75   |
| 36) Benzo(k)fluoranthene       | 22.91 | 252 | 10296 | 0.403 | ng | # 72   |
| 37) Benzo(a)pyrene             | 23.55 | 252 | 6533  | 0.285 | ng | # 73   |
| 38) Dibenzo(a,h)anthracene     | 26.21 | 278 | 1333  | 0.056 | ng | # 8    |
| 39) Benzo(g,h,i)perylene       | 26.99 | 276 | 6263  | 0.255 | ng | # 84   |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE070519\  
Data File : BE100388.D  
Acq On : 5 Jul 2019 19:10  
Operator : JU/SJ  
Sample : K3560-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-009-SW142-062419

Quant Time: Jul 06 00:13:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE062819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 14:06:53 2019  
Response via : Initial Calibration



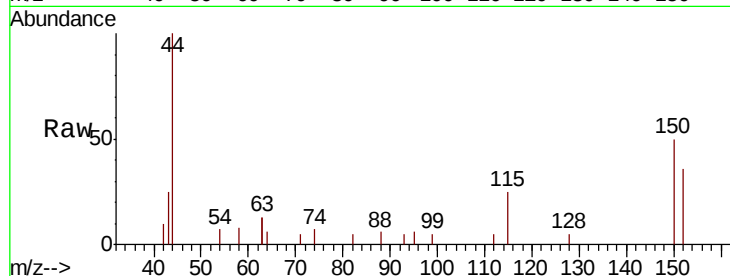


#1

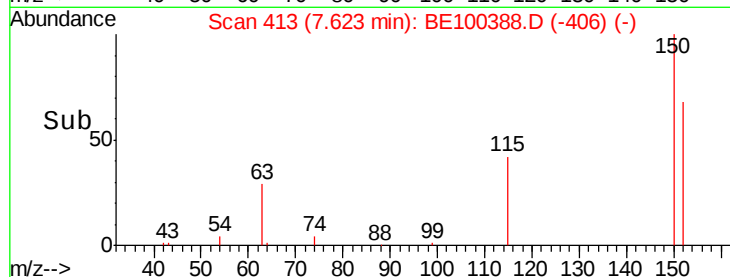
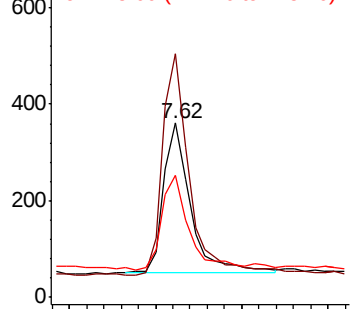
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.62 min Scan# 413  
 Delta R.T. -0.02 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-009-SW142-062419

Tgt Ion: 152 Resp: 663  
 Ion Ratio Lower Upper  
 152 100  
 150 139.6 114.5 171.7  
 115 70.4 57.1 85.7



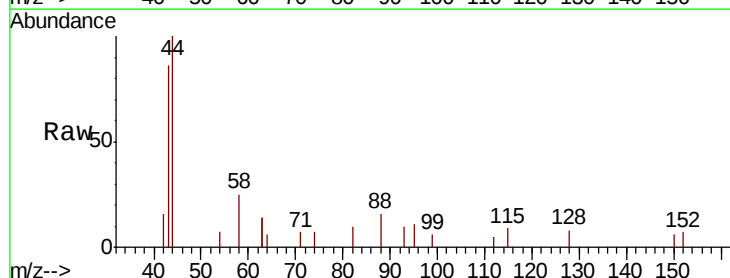
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



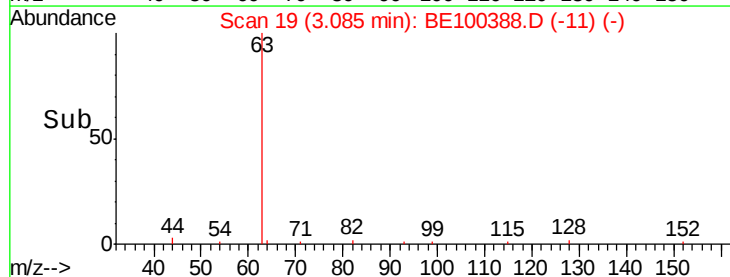
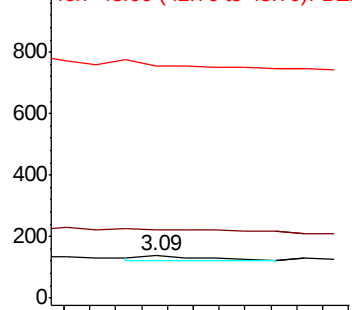
#2

1,4-Dioxane  
 Concen: 0.025 ng  
 RT: 3.09 min Scan# 19  
 Delta R.T. -0.01 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

Tgt Ion: 88 Resp: 26  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 43.6 65.4#  
 43 0.0 21.4 32.0#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
 Ion 58.00 (57.70 to 58.70): BE1  
 Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.040 ng

RT: 3.47 min Scan# 52

Delta R.T. 0.00 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

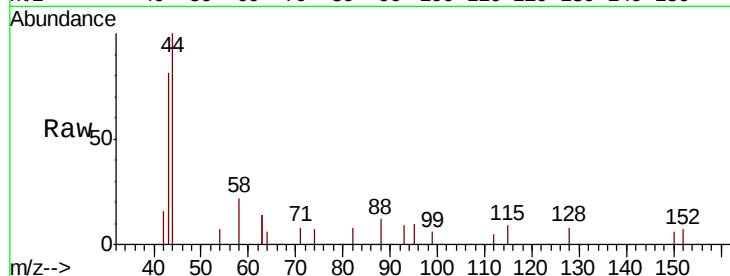
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

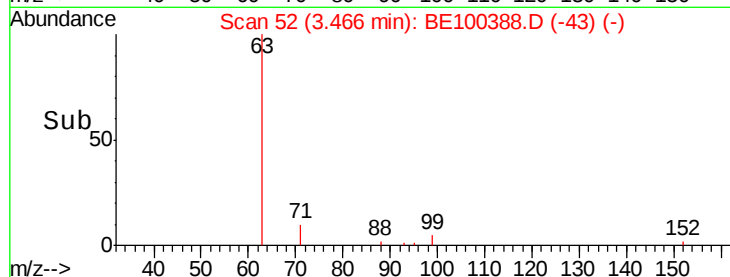
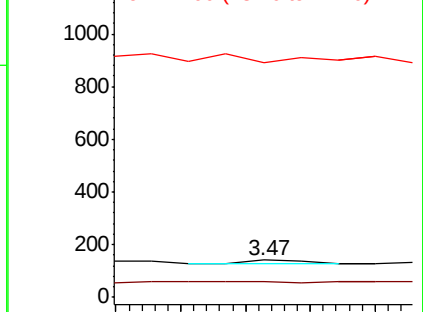
42 100

74 0.0 130.6 196.0#

44 0.0 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.319 ng

RT: 5.19 min Scan# 202

Delta R.T. -0.02 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

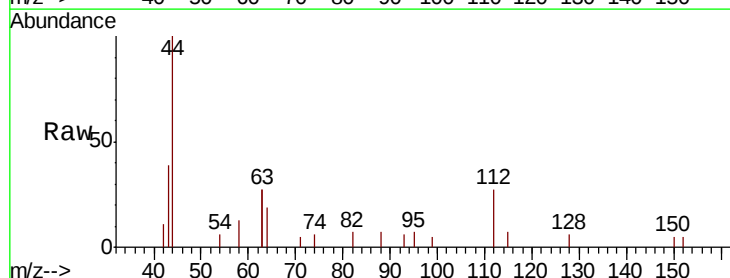
Tgt Ion: 112 Resp: 539

Ion Ratio Lower Upper

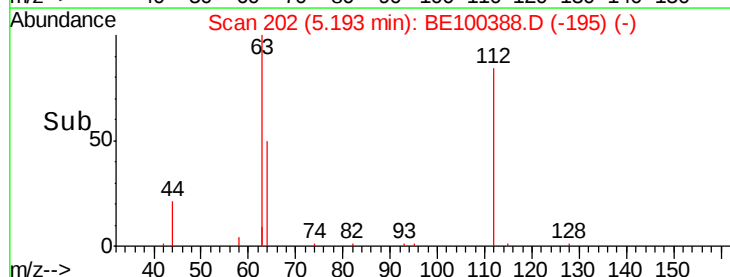
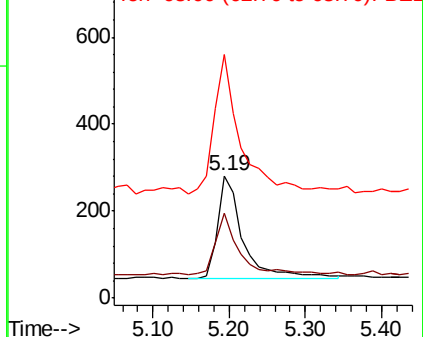
112 100

64 57.5 39.4 59.0

63 142.3 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.297 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

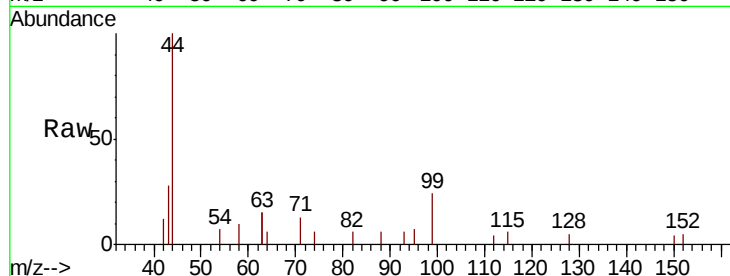
Tgt Ion: 99 Resp: 661

Ion Ratio Lower Upper

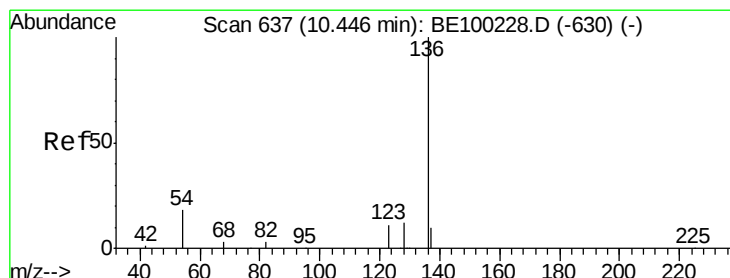
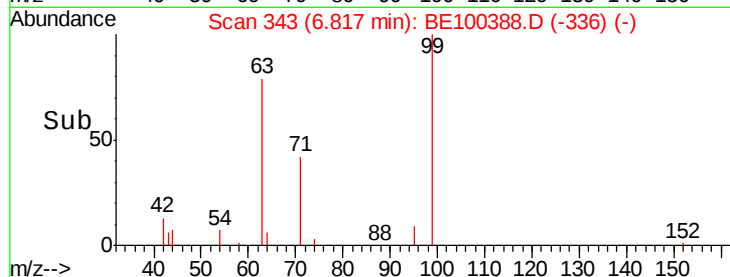
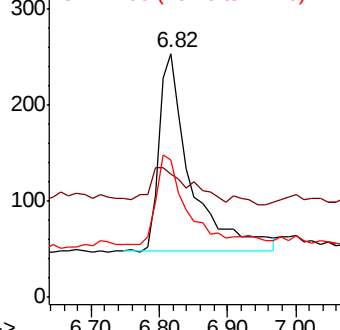
99 100

42 20.9 11.2 16.8#

71 43.1 37.2 55.8



Abundance Ion 99.00 (98.70 to 99.70): BE1  
Ion 42.00 (41.70 to 42.70): BE1  
Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Tgt Ion: 136 Resp: 2264

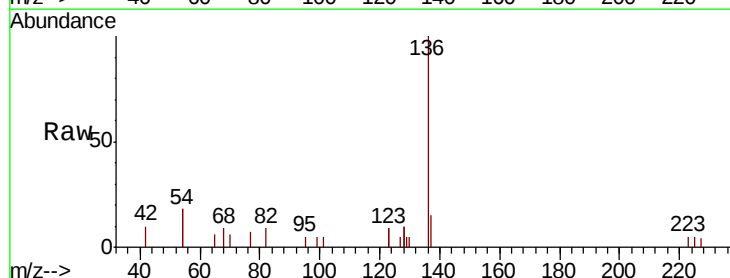
Ion Ratio Lower Upper

136 100

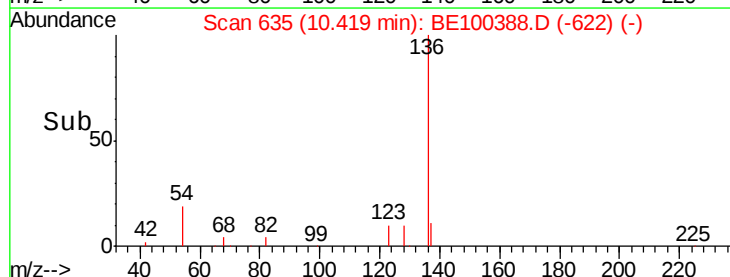
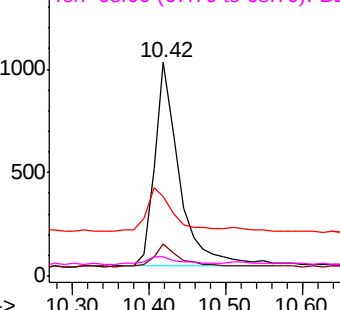
137 15.2 11.8 17.8

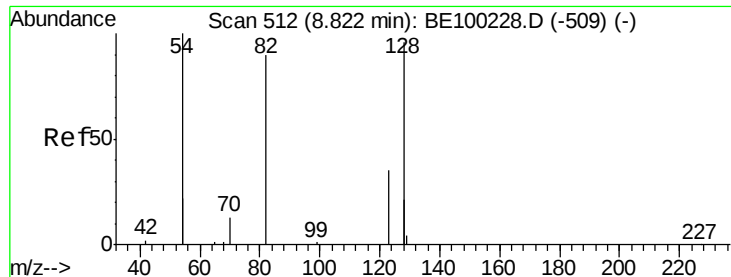
54 37.0 27.7 41.5

68 9.2 6.8 10.2



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): BE1  
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.211 ng

RT: 8.79 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

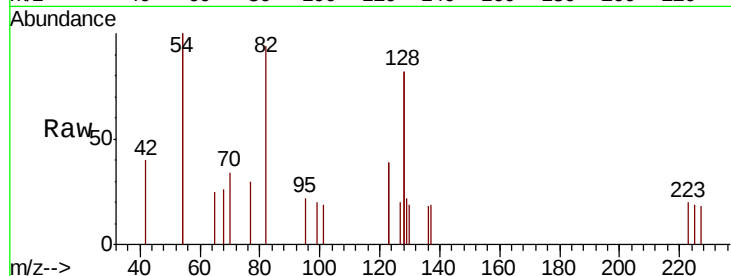
Tgt Ion: 82 Resp: 475

Ion Ratio Lower Upper

82 100

128 174.2 140.9 211.3

54 212.0 146.2 219.2



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

600

400

200

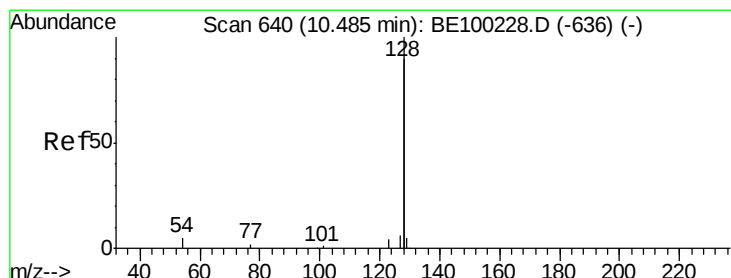
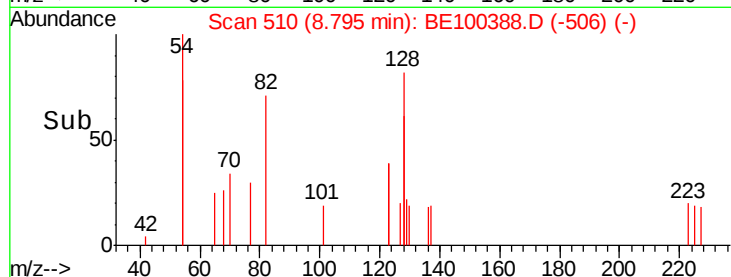
0

8.79

8.80

8.90

Time-->



#9

Naphthalene

Concen: 0.042 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

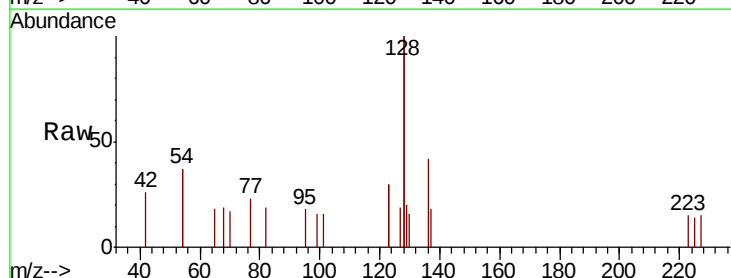
Tgt Ion: 128 Resp: 1057

Ion Ratio Lower Upper

128 100

129 10.1 3.0 4.6#

127 9.3 3.5 5.3#



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

800

600

400

200

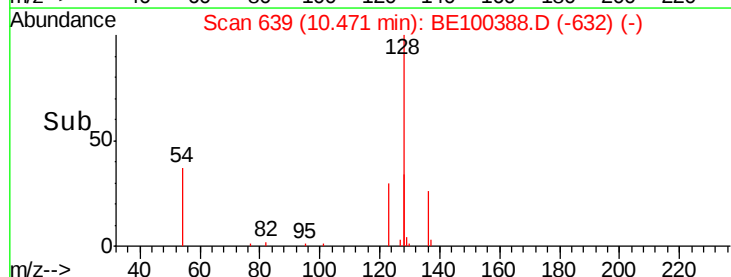
0

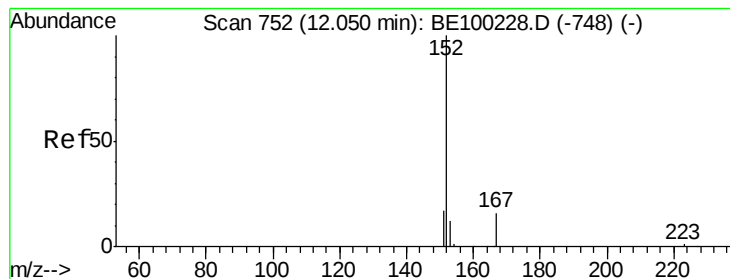
10.47

10.50

10.60

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

RT: 12.02 min Scan# 750

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

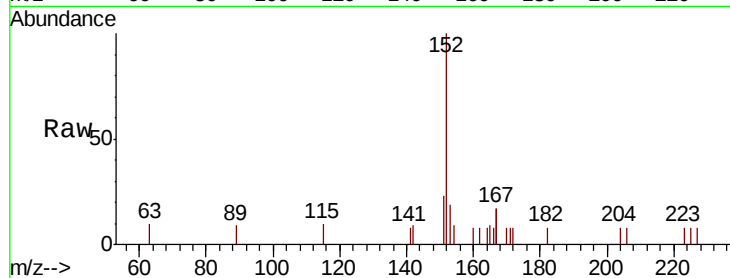
EXT-009-SW142-062419

Tgt Ion:152 Resp: 1316

Ion Ratio Lower Upper

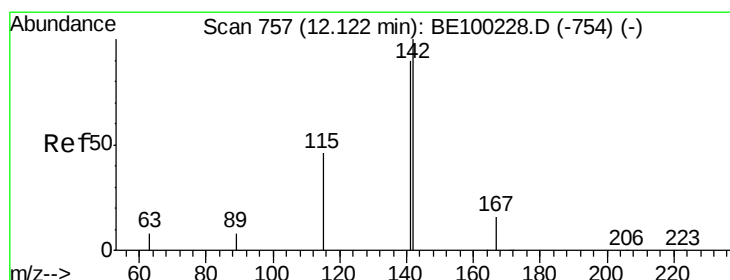
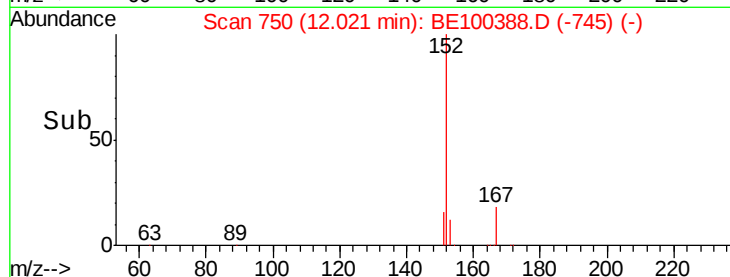
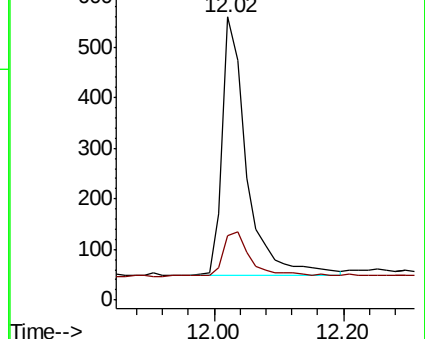
152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.063 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

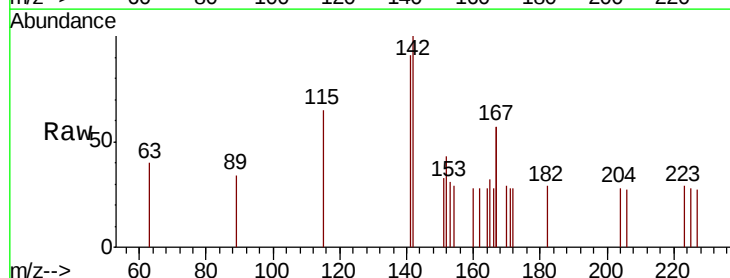
Tgt Ion:142 Resp: 276

Ion Ratio Lower Upper

142 100

141 91.5 72.4 108.6

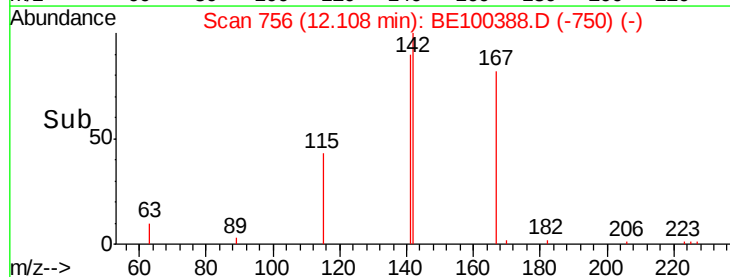
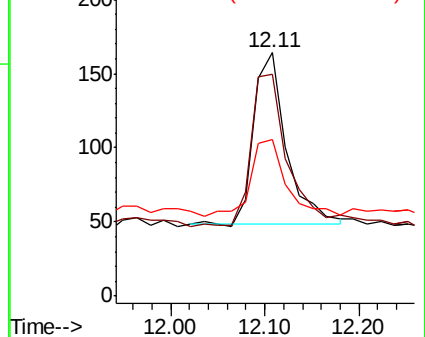
115 64.6 40.4 60.6#

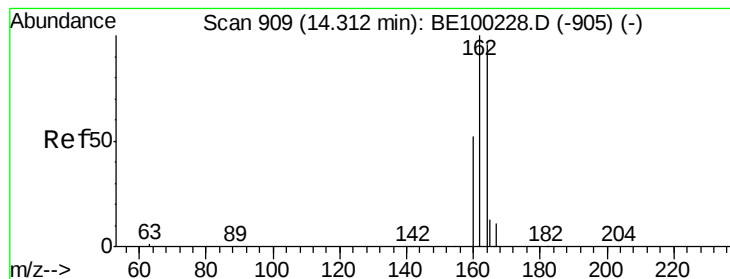


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

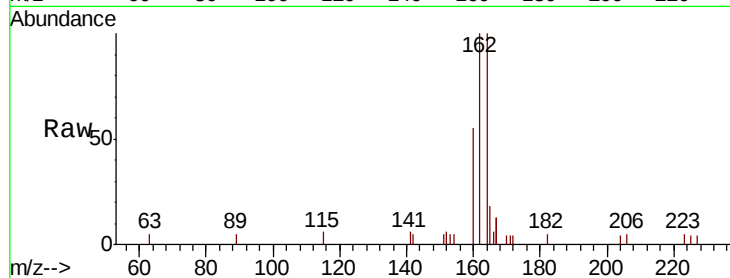
Tgt Ion:164 Resp: 1771

Ion Ratio Lower Upper

164 100

162 99.8 83.4 125.0

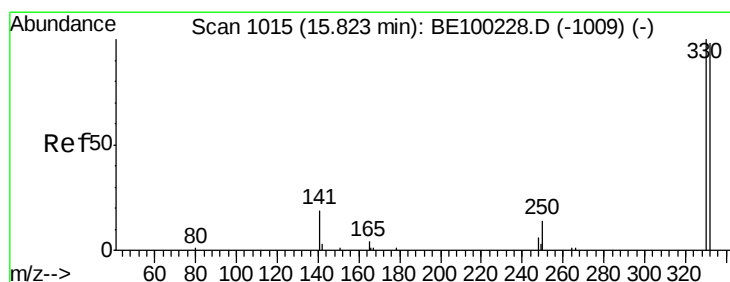
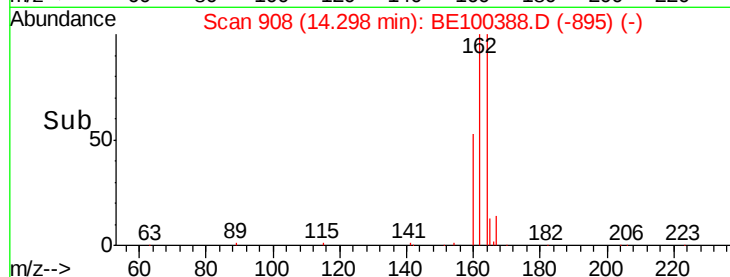
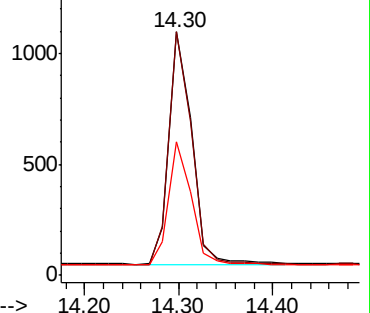
160 54.9 45.0 67.6



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: 0.371 ng

RT: 15.80 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

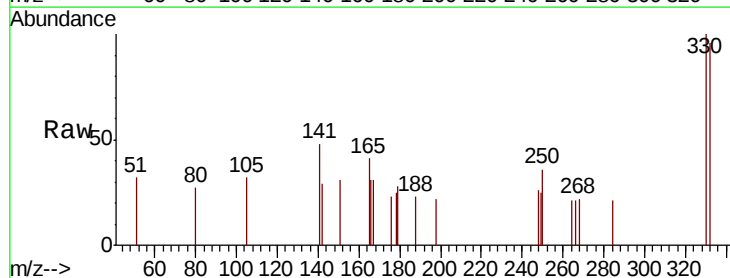
Tgt Ion:330 Resp: 459

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.4

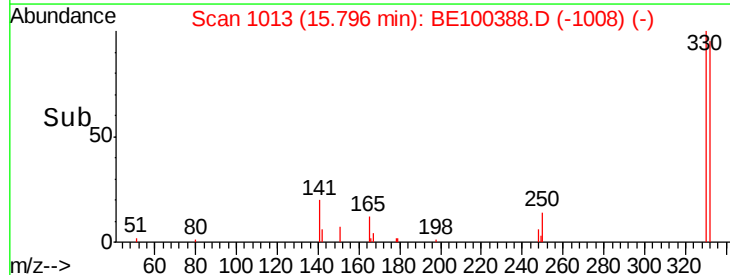
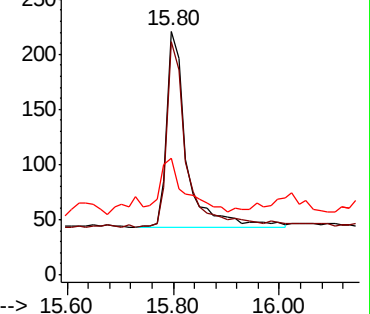
141 33.3 22.0 33.0#

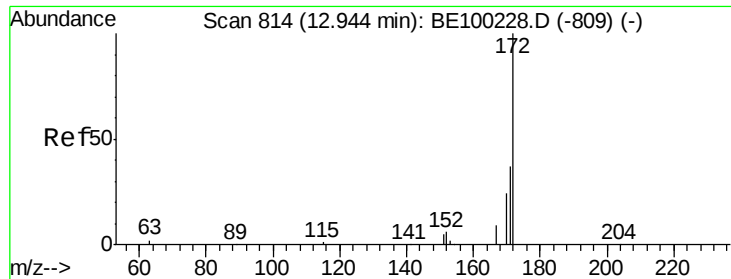


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

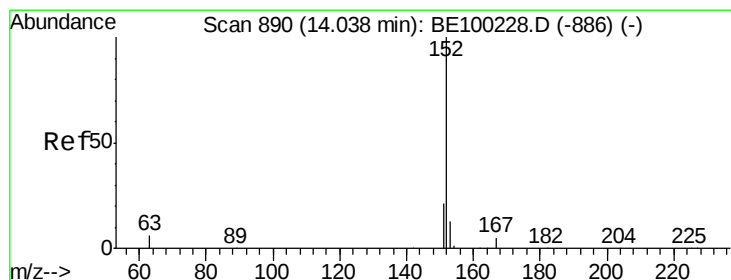
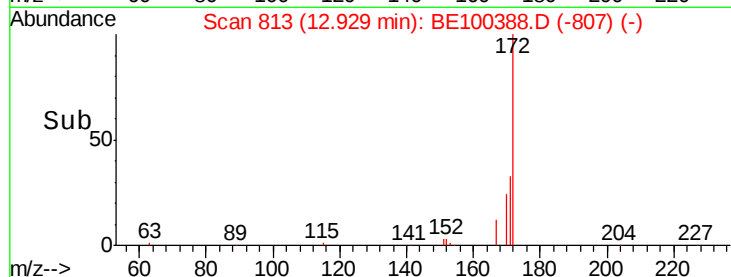
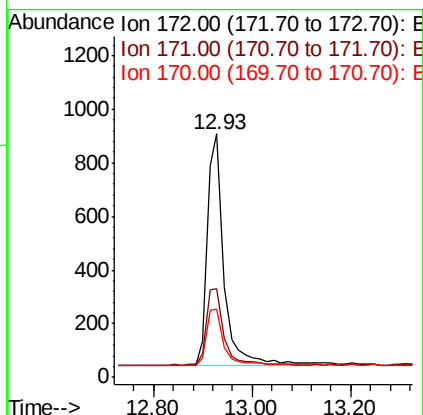
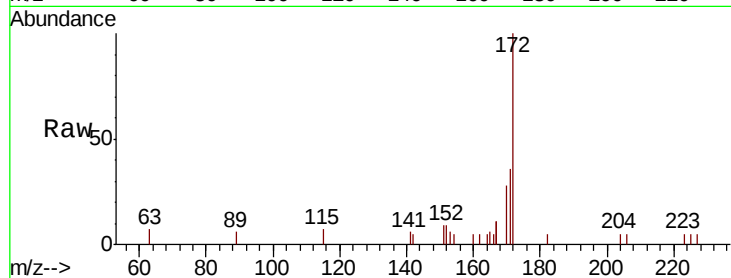




#15  
2-Fluorobiphenyl  
Concen: 0.291 ng  
RT: 12.93 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

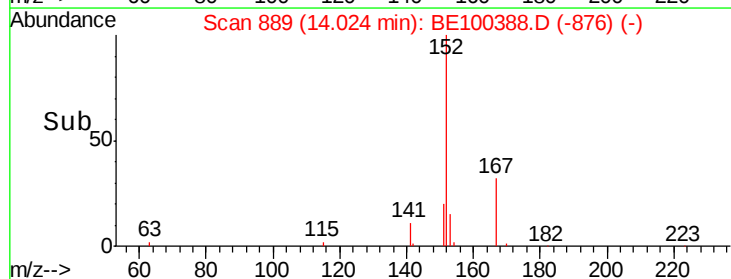
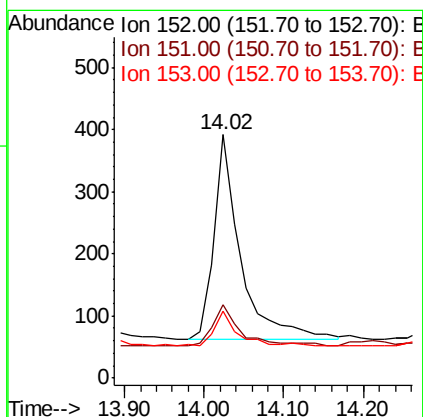
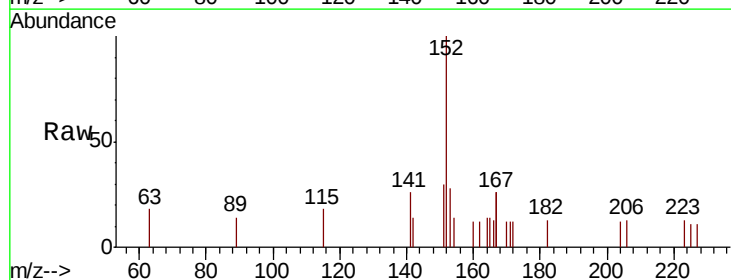
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-009-SW142-062419

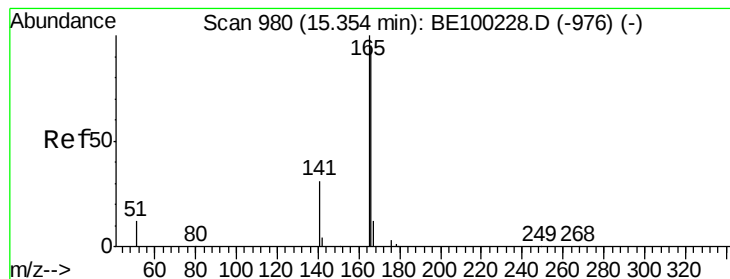
Tgt Ion:172 Resp: 2009  
Ion Ratio Lower Upper  
172 100  
171 36.3 31.9 47.9  
170 28.0 22.2 33.2



#16  
Acenaphthylene  
Concen: 0.089 ng  
RT: 14.02 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

Tgt Ion:152 Resp: 753  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.6 25.0  
153 18.1 10.5 15.7#





#18

Fluorene

Concen: 0.031 ng

RT: 15.34 min Scan# 979

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

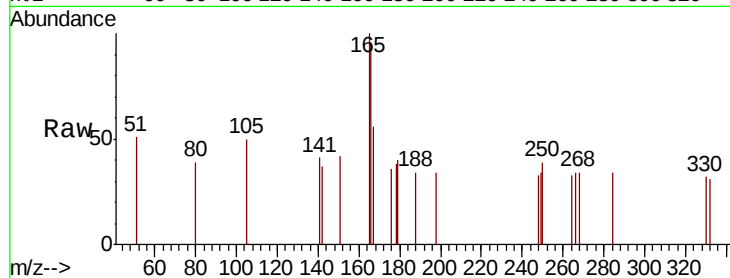
Tgt Ion:166 Resp: 218

Ion Ratio Lower Upper

166 100

165 0.0 81.1 121.7#

167 9.6 10.7 16.1#

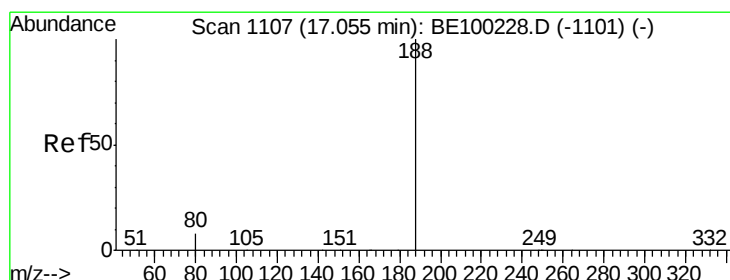
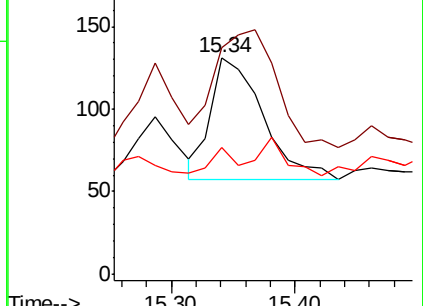
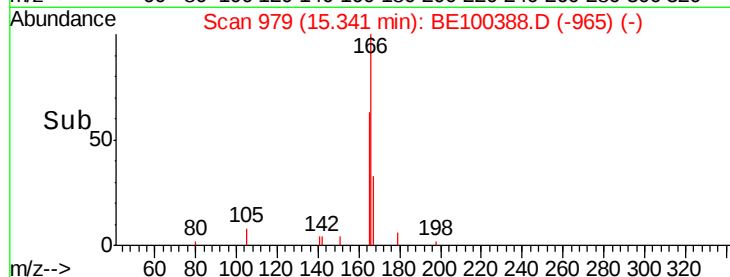


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.34



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.04 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

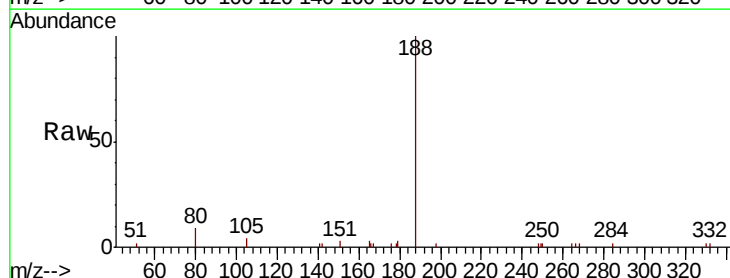
Tgt Ion:188 Resp: 5225

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

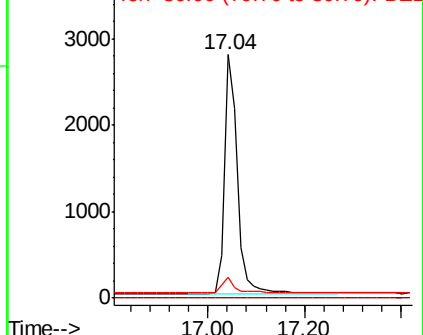
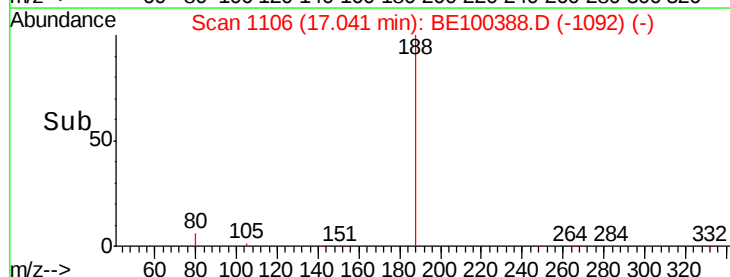
80 8.6 7.6 11.4

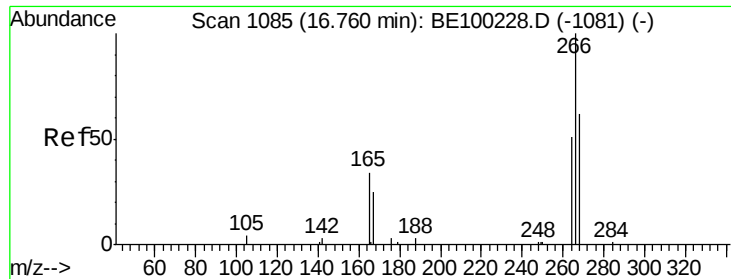


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#22

Pentachlorophenol

Concen: 0.021 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

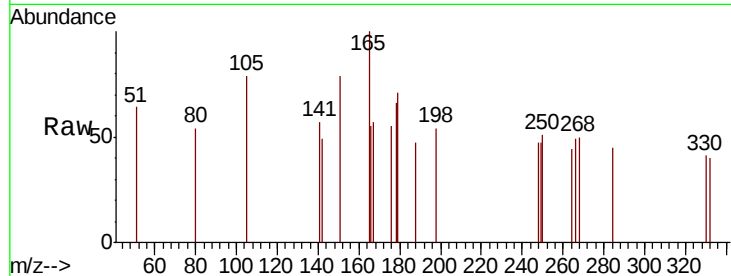
Tgt Ion: 266 Resp: 22

Ion Ratio Lower Upper

266 100

264 90.6 56.2 84.2#

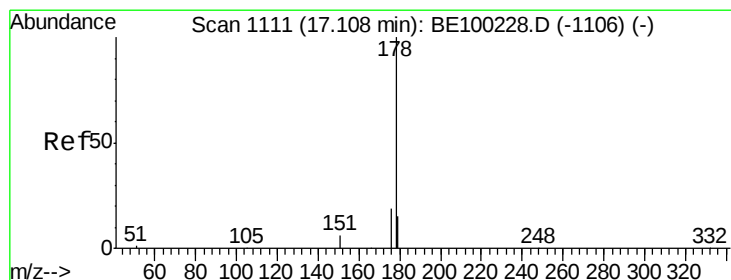
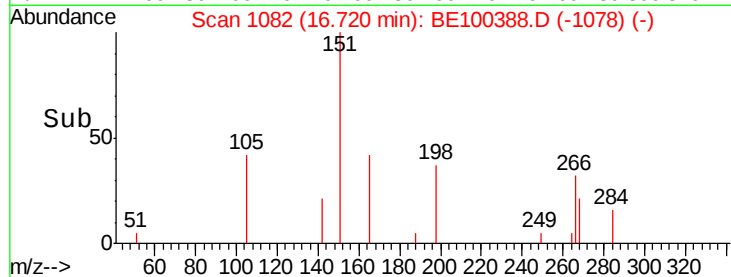
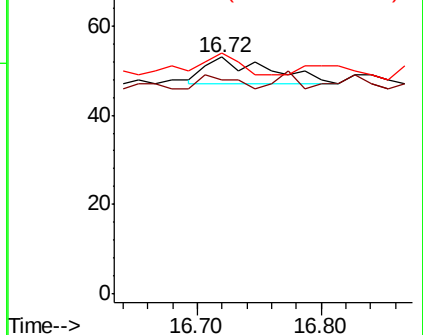
268 101.9 61.8 92.6#



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: 0.385 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

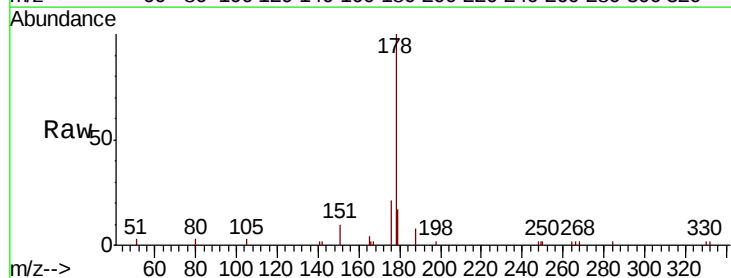
Tgt Ion: 178 Resp: 4873

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

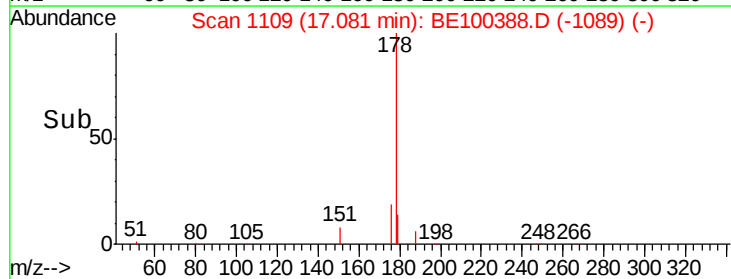
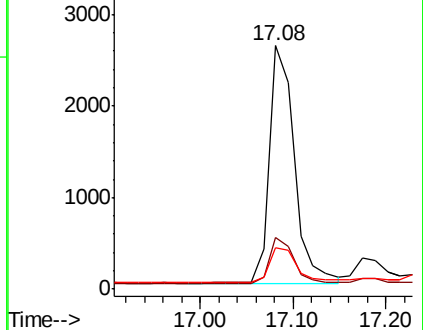
179 17.5 12.2 18.2

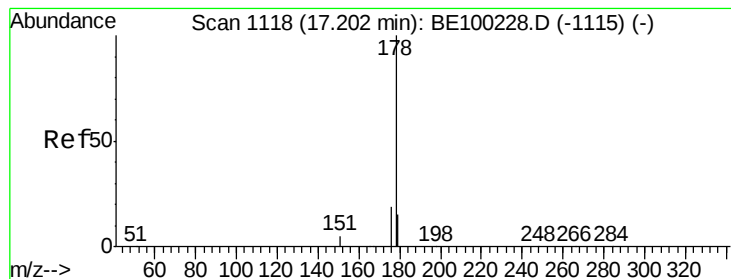


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.046 ng

RT: 17.18 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

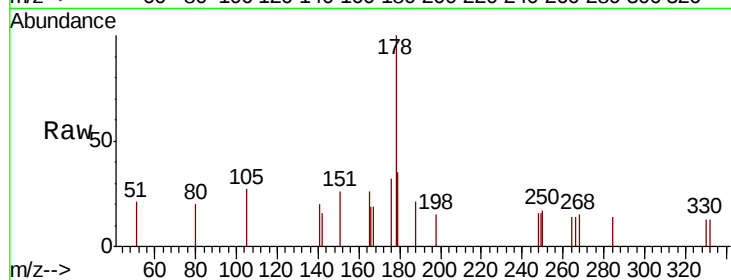
Tgt Ion:178 Resp: 525

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

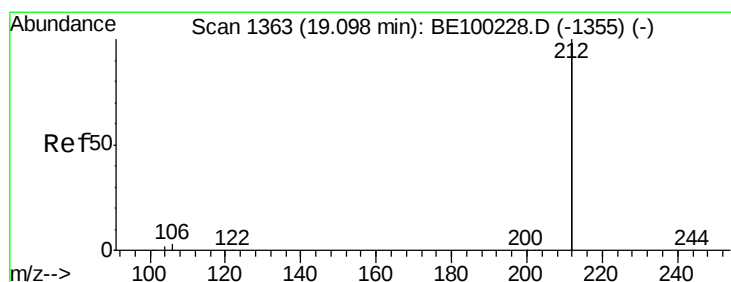
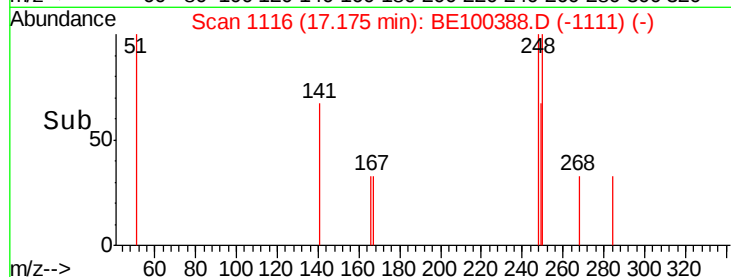
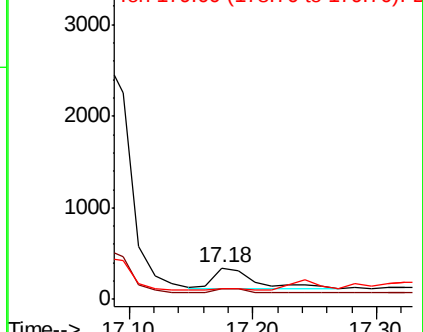
179 7.0 12.2 18.2#



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: 0.272 ng

RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

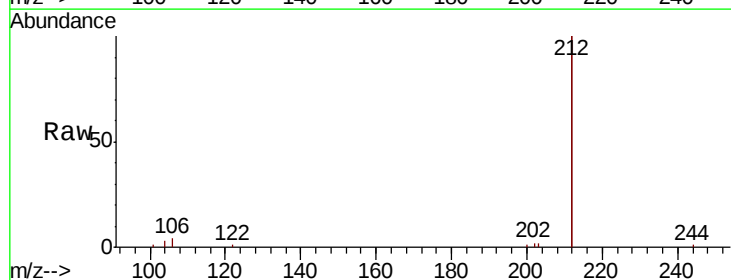
Tgt Ion:212 Resp: 20591

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

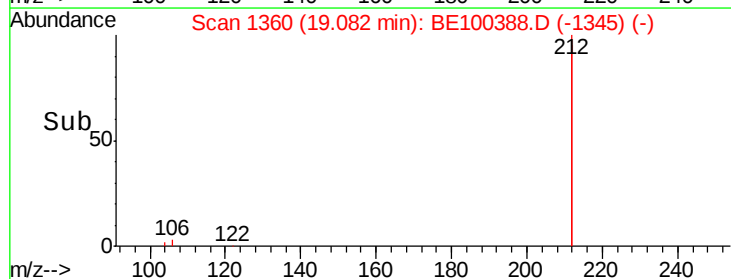
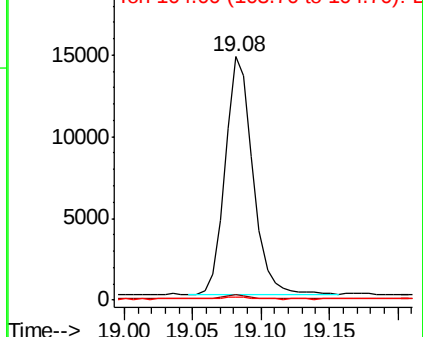
104 0.9 0.8 1.2

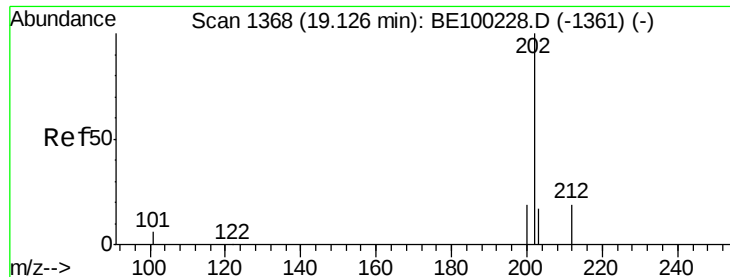


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

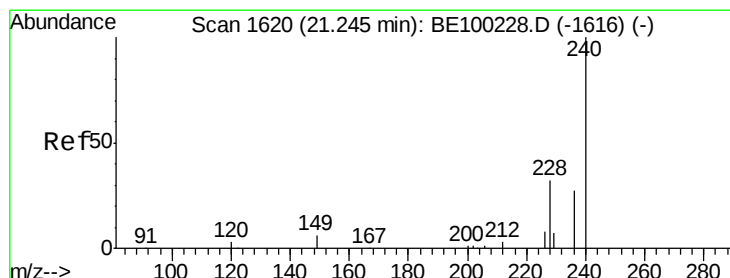
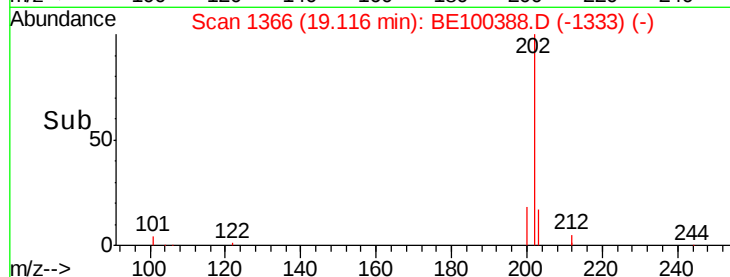
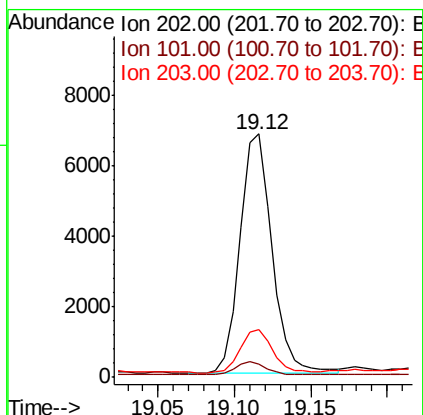
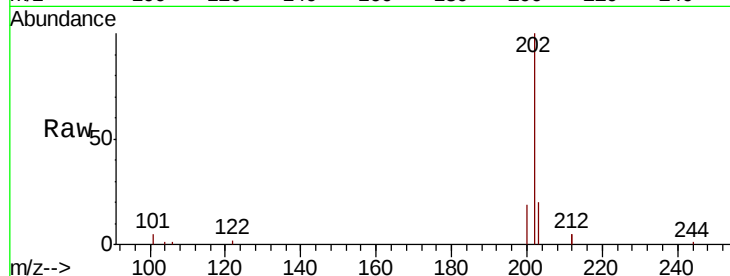




#26  
Fluoranthene  
Concen: 0.491 ng  
RT: 19.12 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

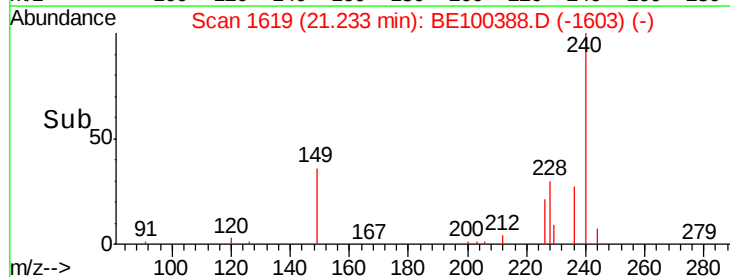
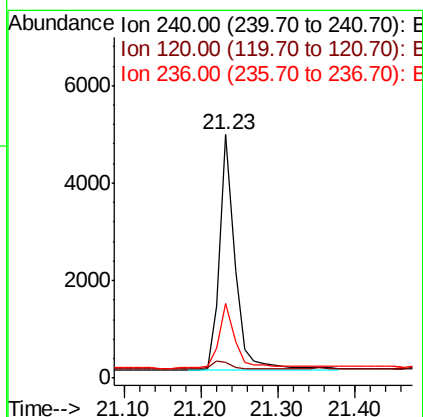
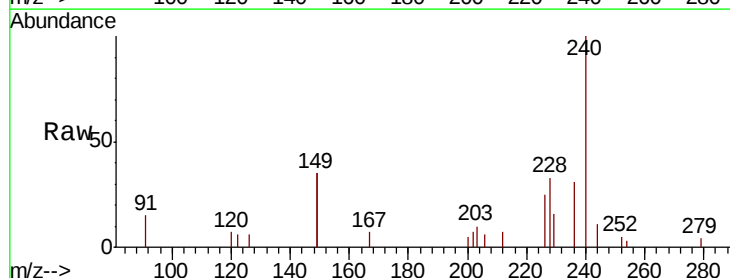
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-009-SW142-062419

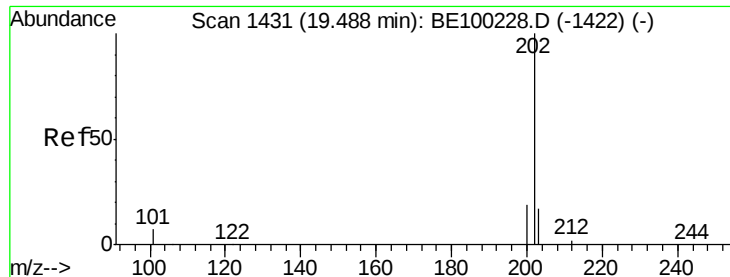
Tgt Ion: 202 Resp: 9904  
Ion Ratio Lower Upper  
202 100  
101 5.5 4.6 7.0  
203 17.8 13.7 20.5



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.23 min Scan# 1619  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

Tgt Ion: 240 Resp: 6868  
Ion Ratio Lower Upper  
240 100  
120 6.5 3.3 4.9#  
236 30.6 22.6 34.0

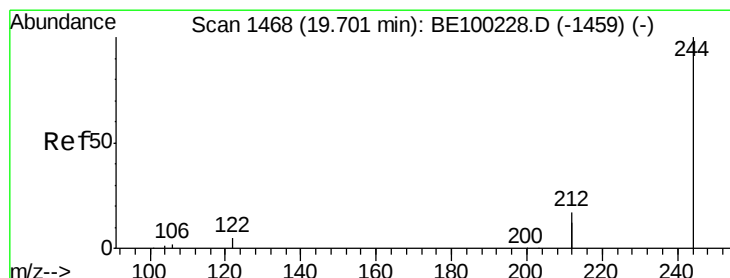
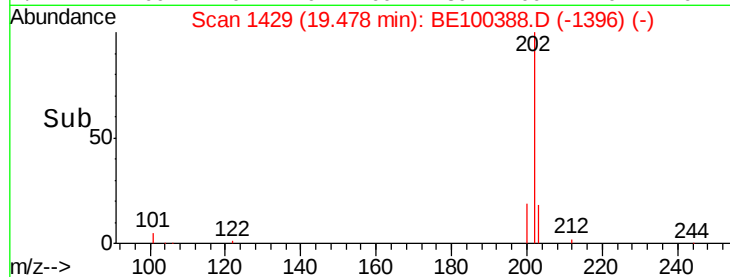
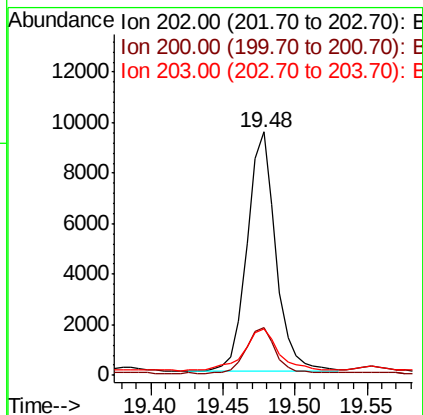
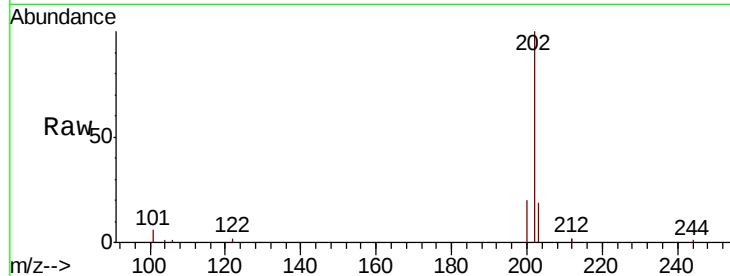




#28  
 Pyrene  
 Concen: 0.731 ng  
 RT: 19.48 min Scan# 1429  
 Delta R.T. -0.01 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

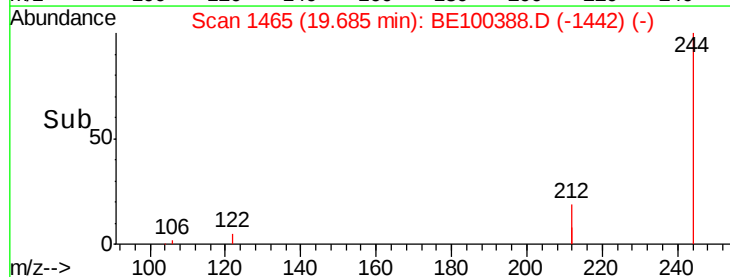
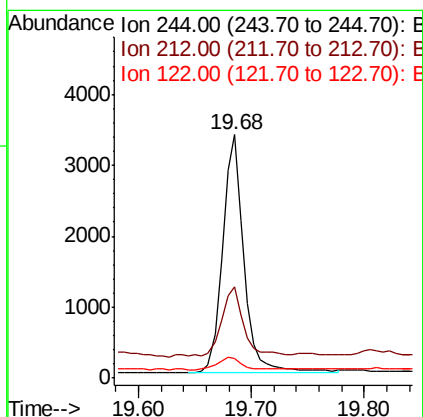
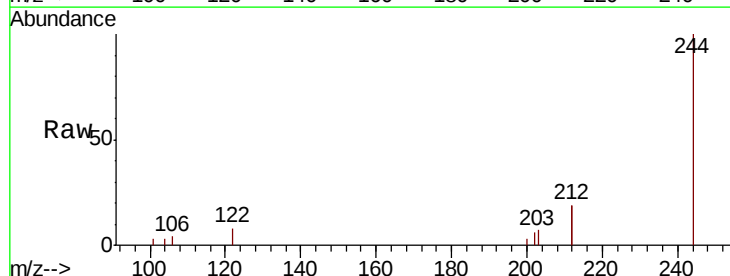
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-009-SW142-062419

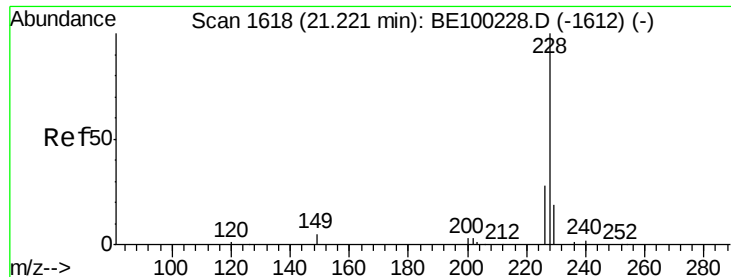
Tgt Ion: 202 Resp: 13284  
 Ion Ratio Lower Upper  
 202 100  
 200 19.6 15.6 23.4  
 203 20.5 14.0 21.0



#29  
 Terphenyl-d14  
 Concen: 0.309 ng  
 RT: 19.68 min Scan# 1465  
 Delta R.T. -0.02 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

Tgt Ion: 244 Resp: 4399  
 Ion Ratio Lower Upper  
 244 100  
 212 37.5 27.3 40.9  
 122 8.0 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 0.288 ng

RT: 21.22 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

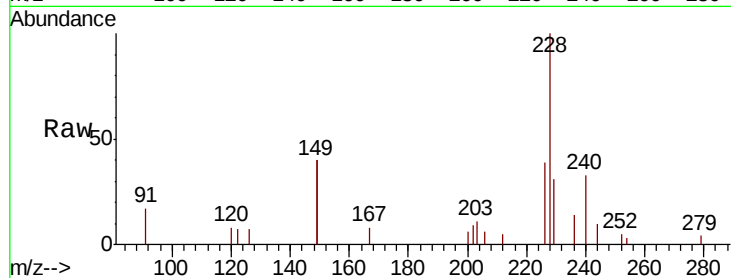
Tgt Ion:228 Resp: 6496

Ion Ratio Lower Upper

228 100

226 39.2 23.2 34.8#

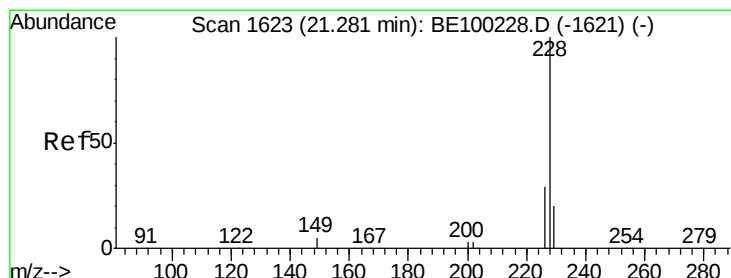
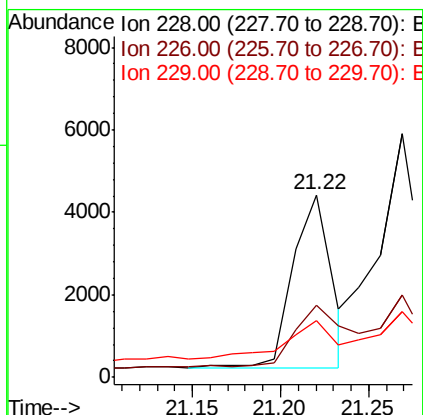
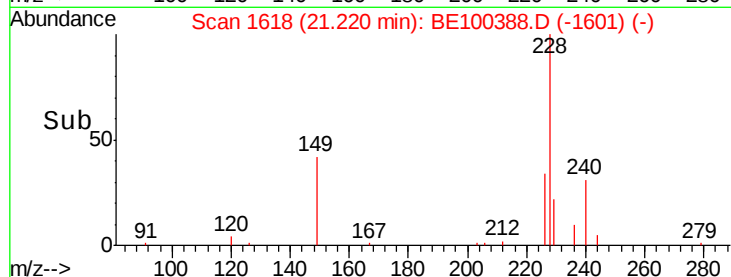
229 30.9 15.7 23.5#



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: 0.434 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

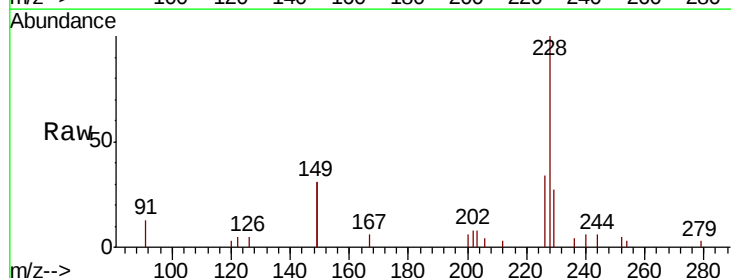
Tgt Ion:228 Resp: 9835

Ion Ratio Lower Upper

228 100

226 34.0 23.9 35.9

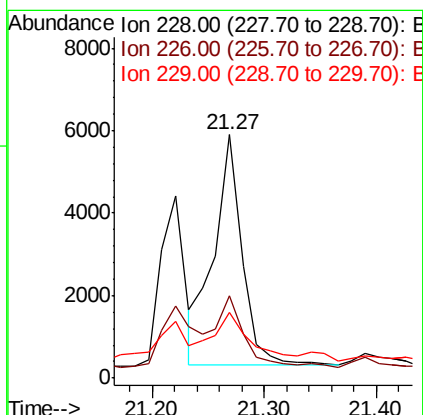
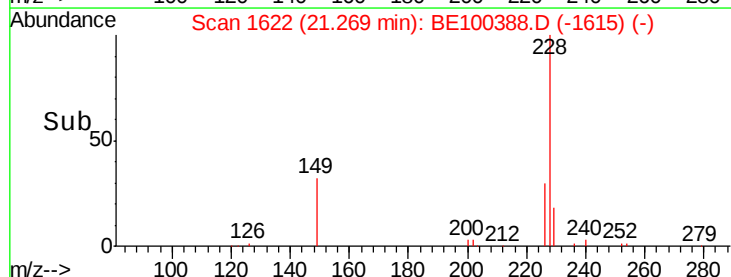
229 27.2 16.5 24.7#

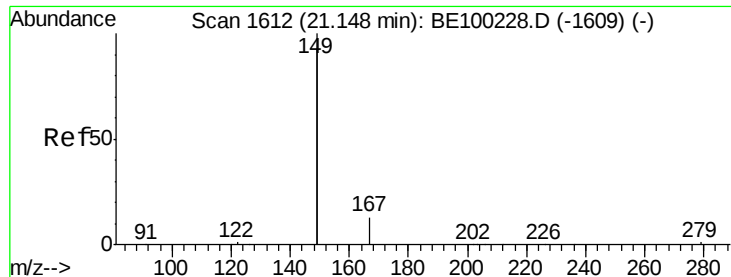


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

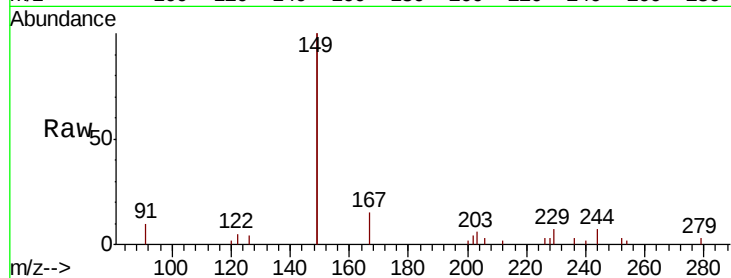




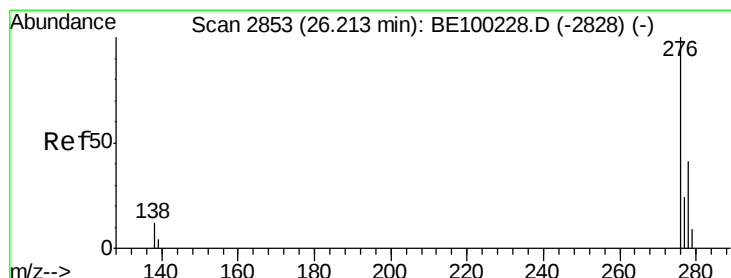
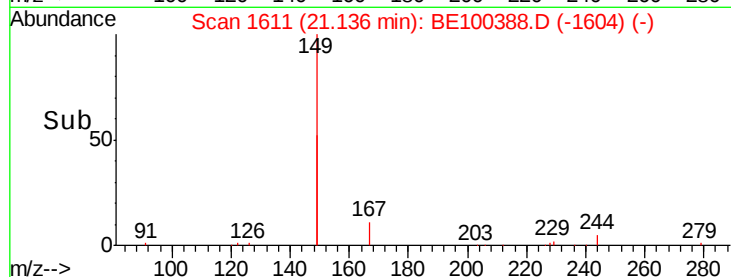
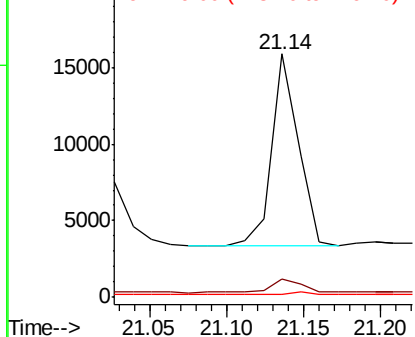
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.416 ng  
 RT: 21.14 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-009-SW142-062419

Tgt Ion:149 Resp: 15101  
 Ion Ratio Lower Upper  
 149 100  
 167 8.5 5.8 8.8  
 279 1.5 1.1 1.7

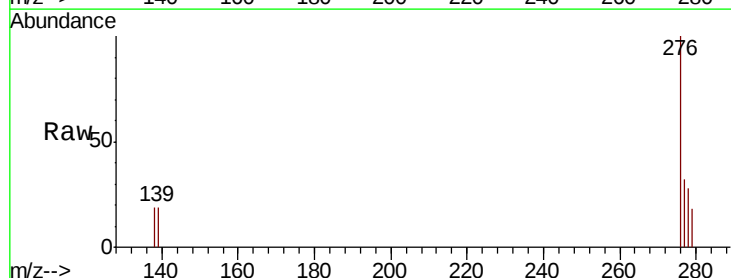


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

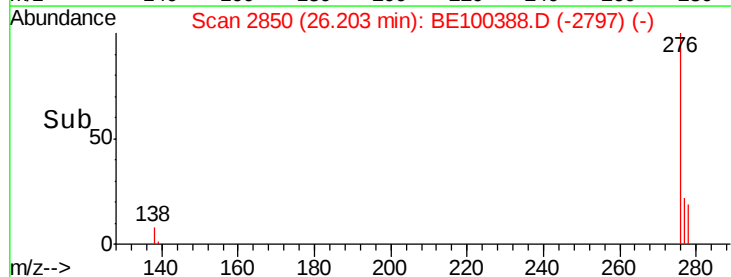
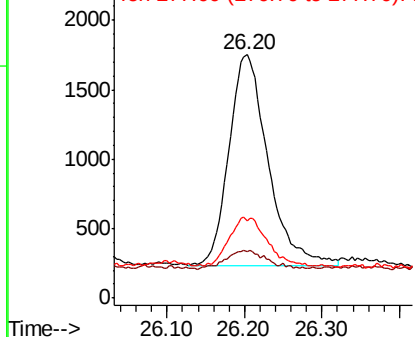


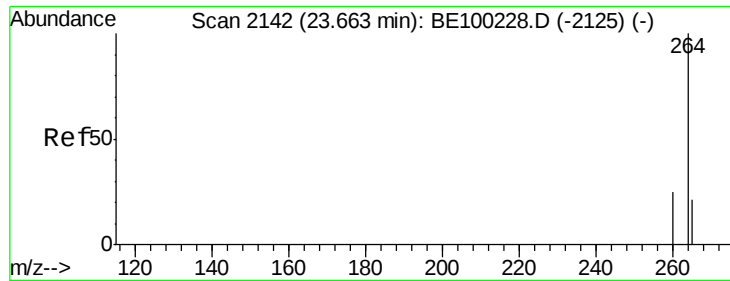
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.177 ng  
 RT: 26.20 min Scan# 2850  
 Delta R.T. -0.01 min  
 Lab File: BE100388.D  
 Acq: 5 Jul 2019 19:10

Tgt Ion:276 Resp: 5309  
 Ion Ratio Lower Upper  
 276 100  
 138 8.7 9.4 14.0#  
 277 22.6 19.2 28.8



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

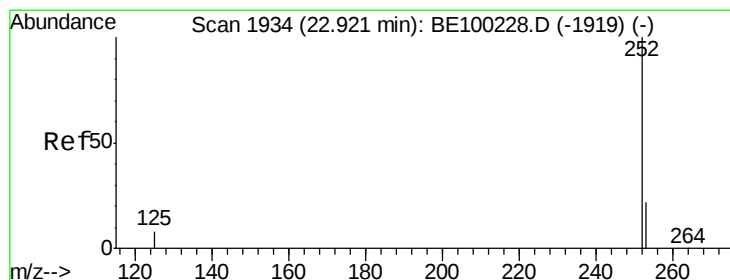
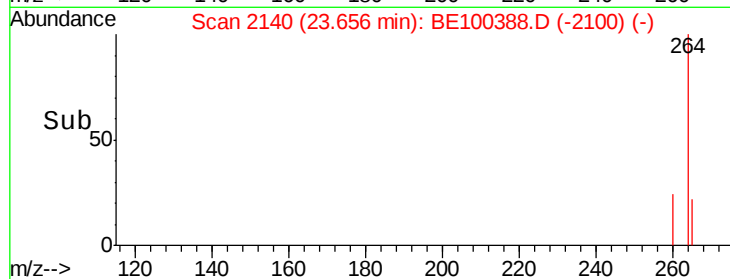
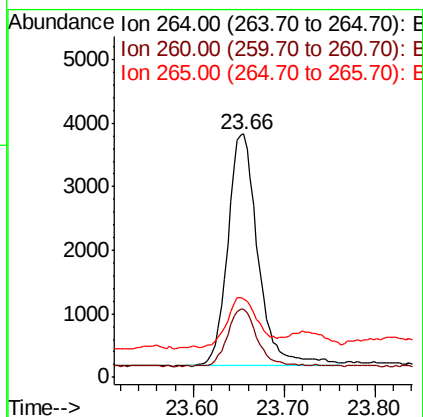
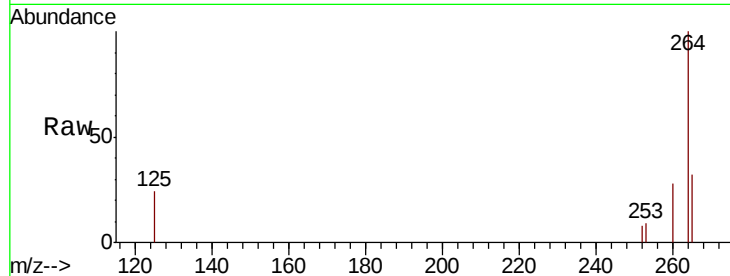




#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.66 min Scan# 2140  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

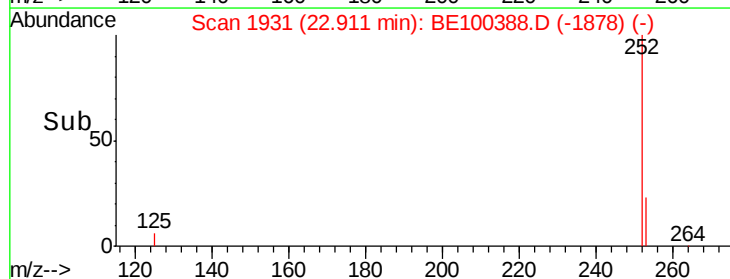
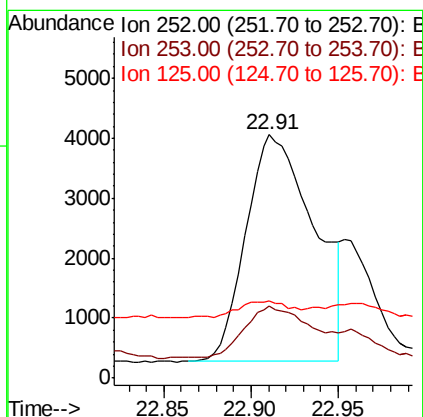
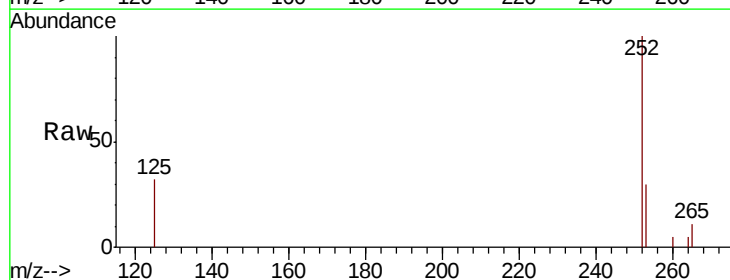
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-009-SW142-062419

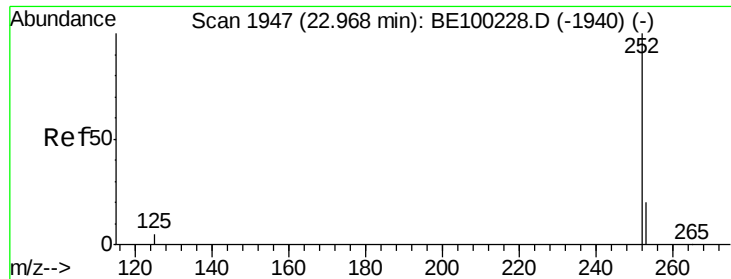
Tgt Ion: 264 Resp: 8439  
Ion Ratio Lower Upper  
264 100  
260 28.1 20.8 31.2  
265 32.3 21.8 32.6



#35  
Benzo(b)fluoranthene  
Concen: 0.450 ng  
RT: 22.91 min Scan# 1931  
Delta R.T. -0.01 min  
Lab File: BE100388.D  
Acq: 5 Jul 2019 19:10

Tgt Ion: 252 Resp: 10296  
Ion Ratio Lower Upper  
252 100  
253 29.6 19.2 28.8#  
125 31.6 7.4 11.0#





#36

Benzo(k)fluoranthene

Concen: 0.403 ng

RT: 22.91 min Scan# 1931

Delta R.T. -0.06 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

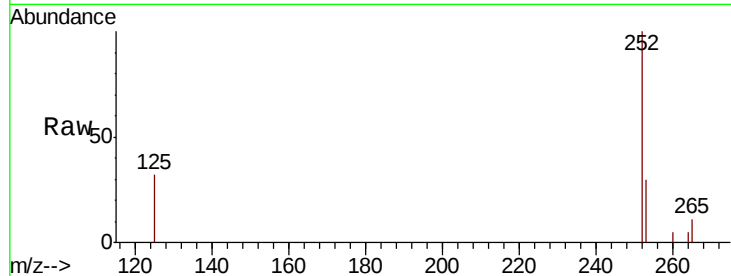
Tgt Ion:252 Resp: 10296

Ion Ratio Lower Upper

252 100

253 29.6 17.9 26.9#

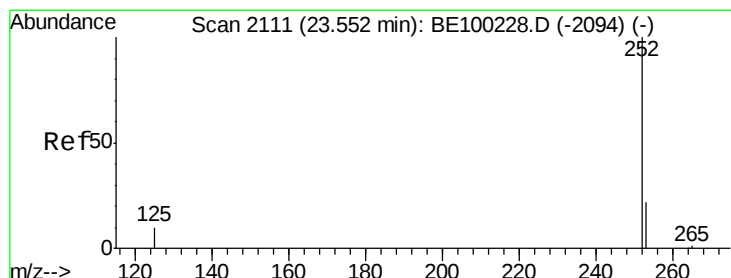
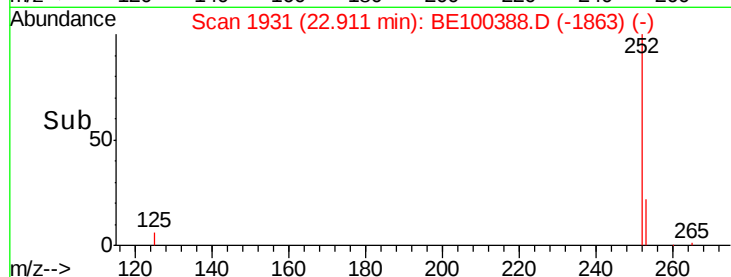
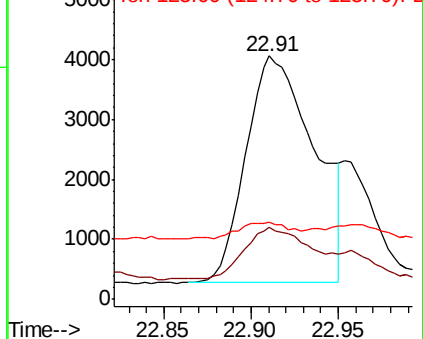
125 31.6 5.0 7.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.285 ng

RT: 23.55 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

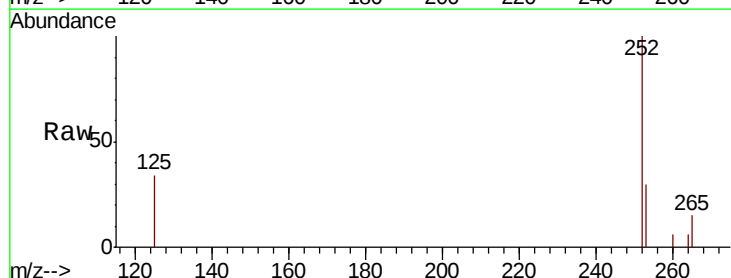
Tgt Ion:252 Resp: 6533

Ion Ratio Lower Upper

252 100

253 30.3 19.6 29.4#

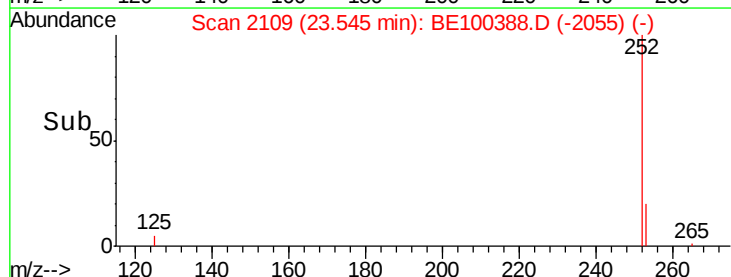
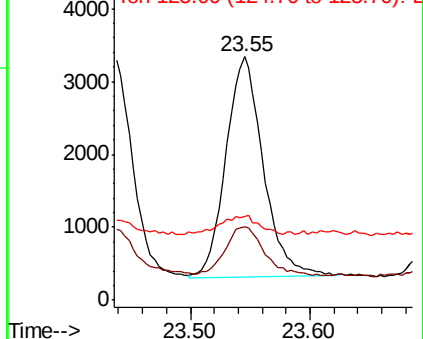
125 34.4 9.0 13.6#

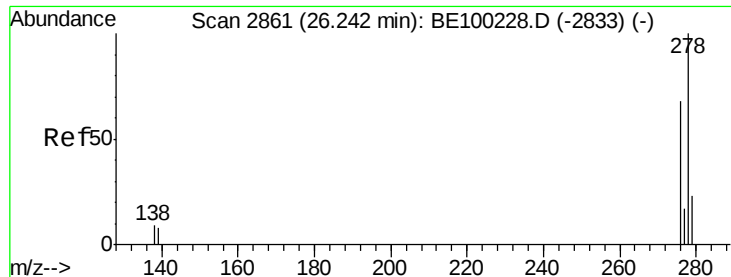


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.056 ng

RT: 26.21 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA\_E

ClientSampleId :

EXT-009-SW142-062419

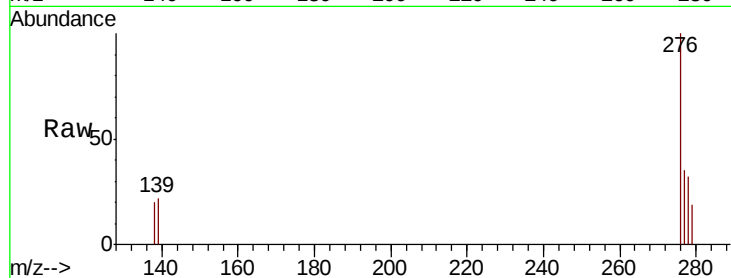
Tgt Ion: 278 Resp: 1333

Ion Ratio Lower Upper

278 100

139 67.6 8.2 12.2#

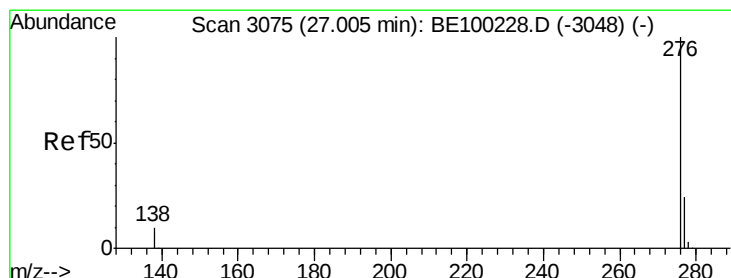
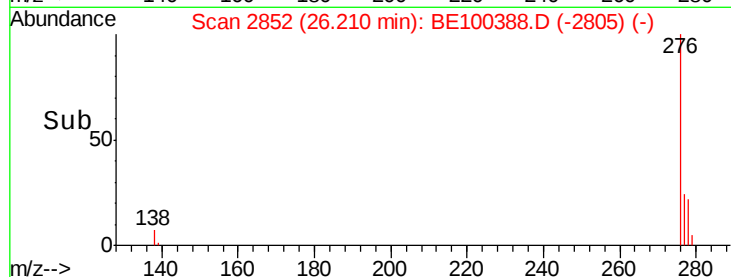
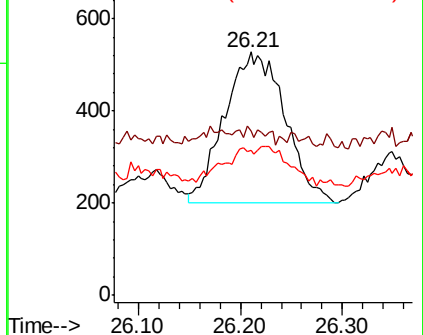
279 59.5 20.3 30.5#



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: 0.255 ng

RT: 26.99 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

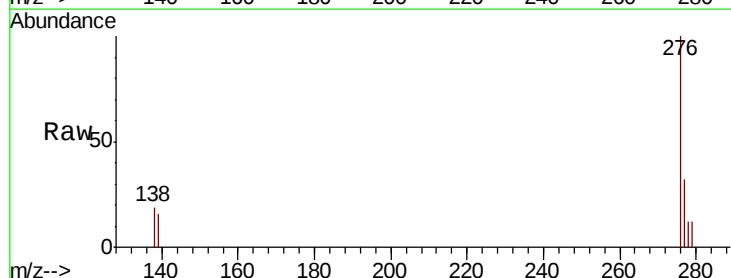
Tgt Ion: 276 Resp: 6263

Ion Ratio Lower Upper

276 100

277 32.4 20.2 30.2#

138 19.4 9.0 13.6#



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

