

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\  
 Data File : BE099610.D  
 Acq On : 14 May 2019 18:19  
 Operator : JU/SJ  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 14 19:12:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 14 19:05:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 1732     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 6043     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 4019     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 11093    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 17175    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.96 | 264  | 18708    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.37  | 112 | 16218  | 3.42 | ng | 0.00  |
| 5) Phenol-d6                | 6.97  | 99  | 21687  | 3.48 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.97  | 82  | 20692  | 3.65 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 34066  | 3.37 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 9406   | 3.95 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 51960  | 3.34 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.26 | 212 | 485784 | 3.33 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.86 | 244 | 101982 | 3.34 | ng | 0.00  |

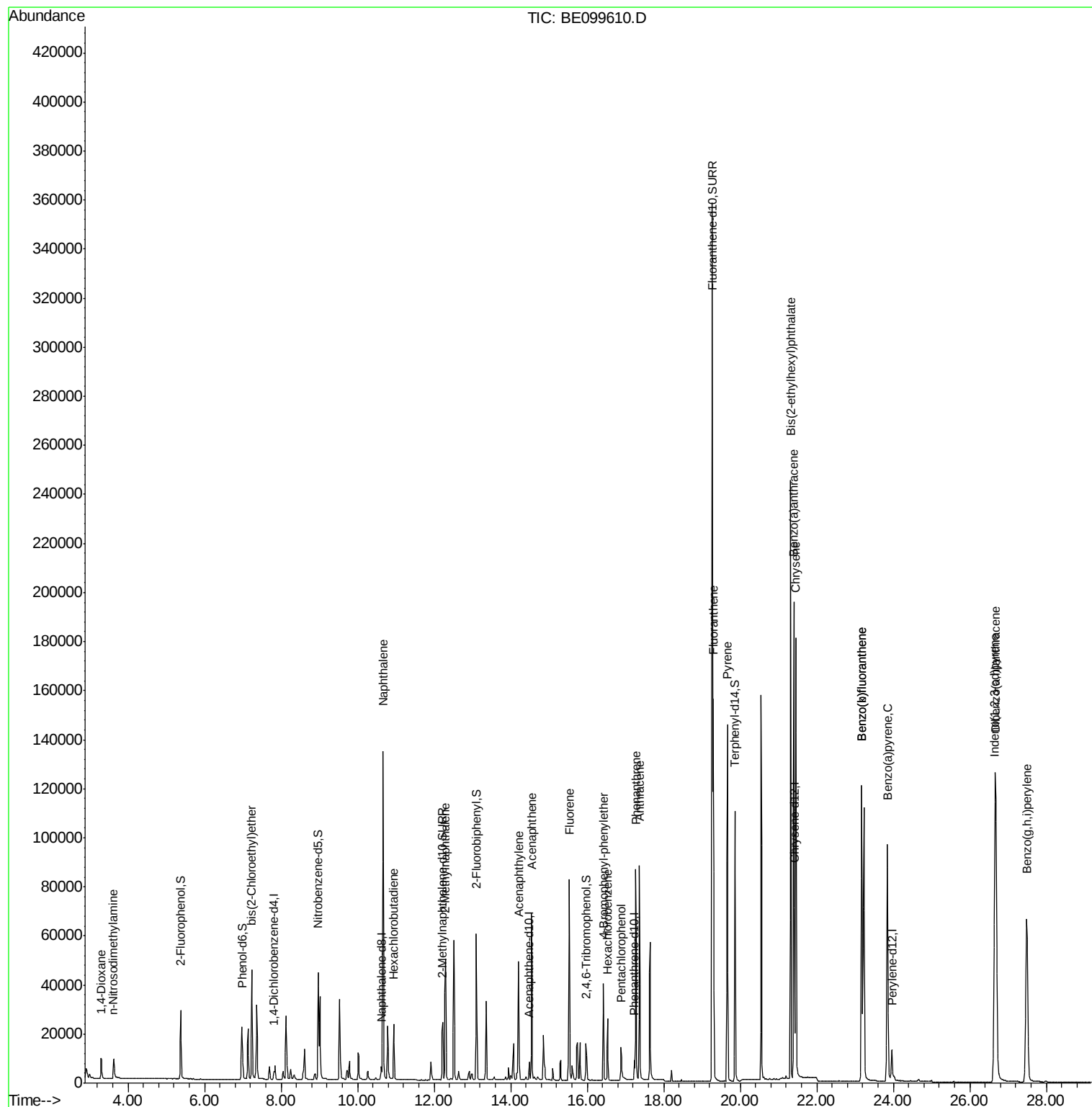
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 7809   | 3.199  | ng | 89   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 5607   | 3.709  | ng | # 94 |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 17782  | 3.438  | ng | 92   |
| 9) Naphthalene                 | 10.67 | 128 | 214484 | 3.331  | ng | 98   |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 15570  | 3.350  | ng | 100  |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 35989  | 3.422  | ng | 99   |
| 16) Acenaphthylene             | 14.21 | 152 | 65412  | 3.362  | ng | 99   |
| 17) Acenaphthene               | 14.54 | 154 | 36879  | 3.394  | ng | 98   |
| 18) Fluorene                   | 15.53 | 166 | 51909  | 3.349  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 21975  | 3.473  | ng | 97   |
| 21) Hexachlorobenzene          | 16.53 | 284 | 21080  | 3.318  | ng | 97   |
| 22) Pentachlorophenol          | 16.88 | 266 | 10307  | 4.058  | ng | 89   |
| 23) Phenanthrene               | 17.27 | 178 | 92412  | 3.356  | ng | 99   |
| 24) Anthracene                 | 17.36 | 178 | 89425  | 3.459  | ng | 100  |
| 26) Fluoranthene               | 19.29 | 202 | 137953 | 3.330  | ng | 99   |
| 28) Pyrene                     | 19.66 | 202 | 142840 | 3.156  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 172653 | 3.292  | ng | 100  |
| 31) Chrysene                   | 21.45 | 228 | 174374 | 3.326  | ng | 96   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 243623 | 3.232  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.65 | 276 | 218309 | 3.337  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.17 | 252 | 172058 | 3.329  | ng | # 94 |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 172058 | 3.349  | ng | 97   |
| 37) Benzo(a)pyrene             | 23.84 | 252 | 166735 | 3.330  | ng | # 93 |
| 38) Dibenzo(a,h)anthracene     | 26.68 | 278 | 180881 | 3.456  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.49 | 276 | 178425 | 3.368  | ng | 99   |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\  
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Sample : SSTDICC3.2  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: May 14 19:12:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 14 19:05:18 2019  
Response via : Initial Calibration



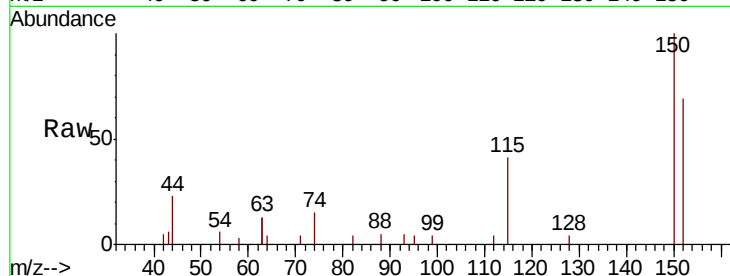


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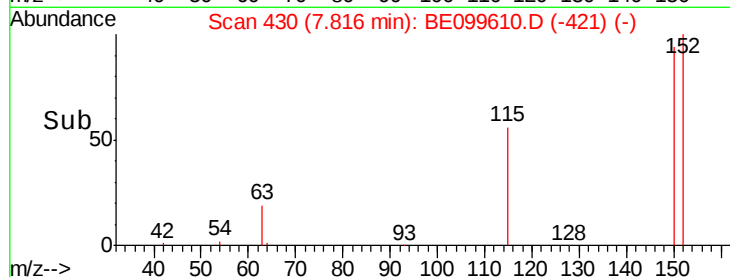
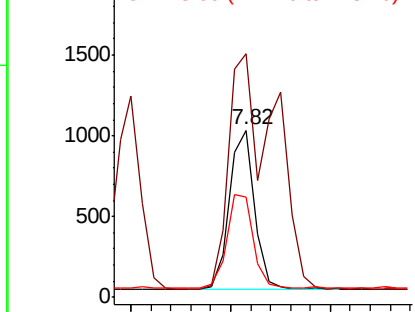
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1732  
Ion Ratio Lower Upper  
152 100  
150 145.5 110.1 165.1  
115 59.8 46.2 69.4



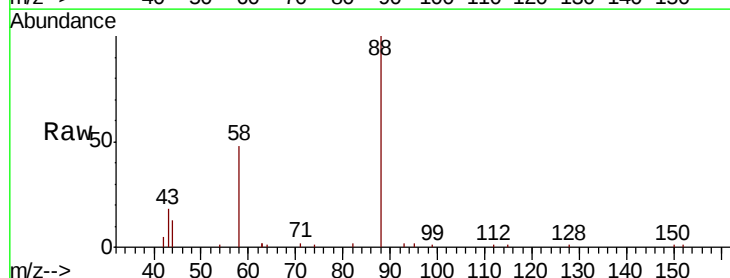
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



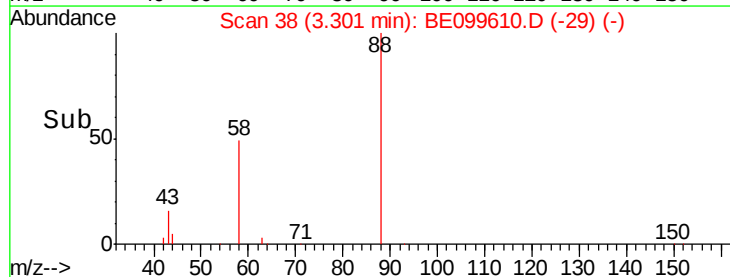
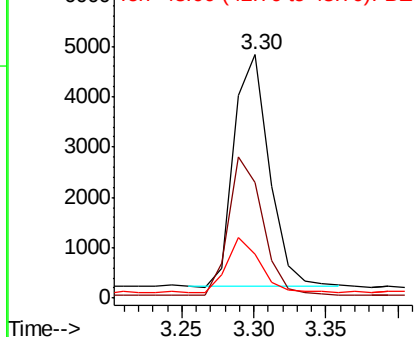
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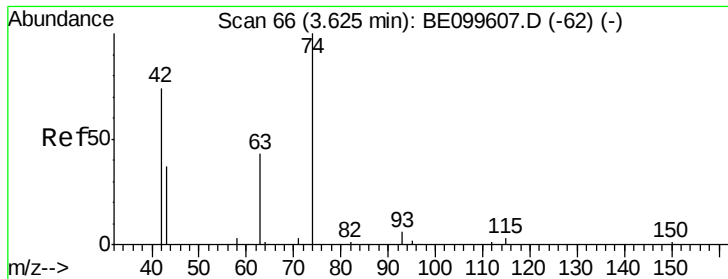
1,4-Dioxane  
Concen: 3.199 ng  
RT: 3.30 min Scan# 38  
Delta R.T. -0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion: 88 Resp: 7809  
Ion Ratio Lower Upper  
88 100  
58 58.6 39.8 59.6  
43 22.2 21.0 31.6



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



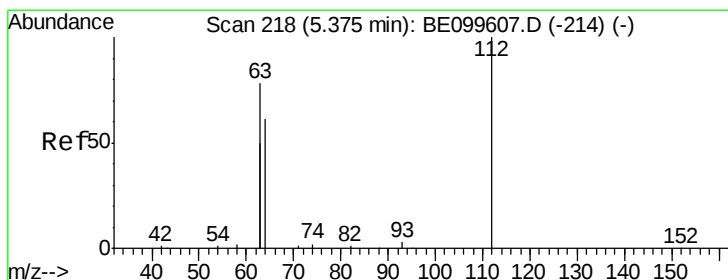
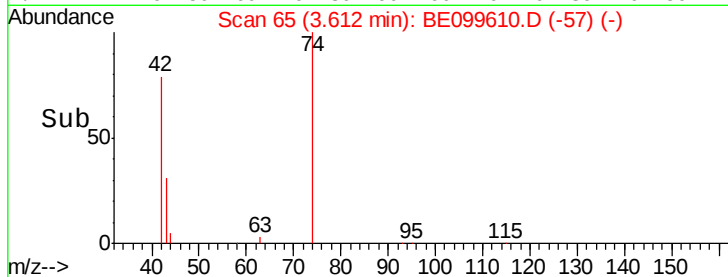
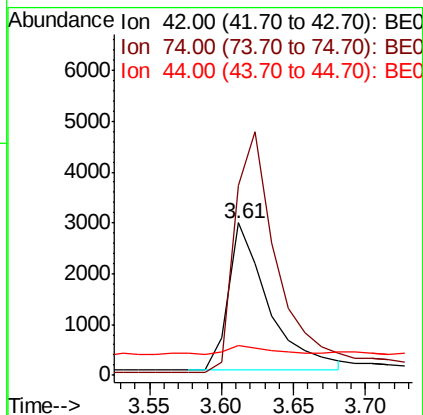
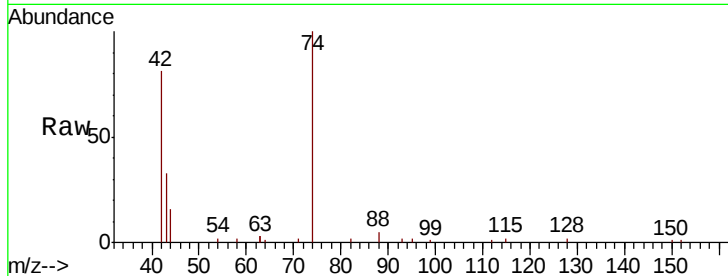


#3

n-Nitrosodimethylamine  
 Concen: 3.709 ng  
 RT: 3.61 min Scan# 65  
 Delta R.T. -0.01 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

Instrument :  
 BNA\_E  
 ClientSampleId :

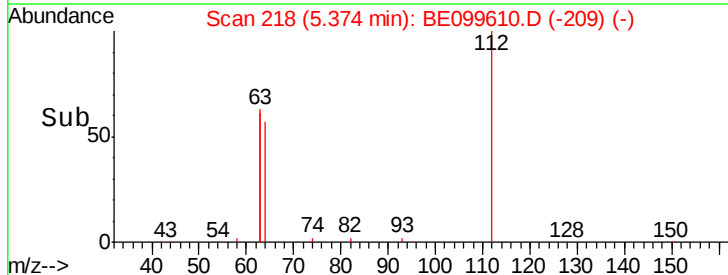
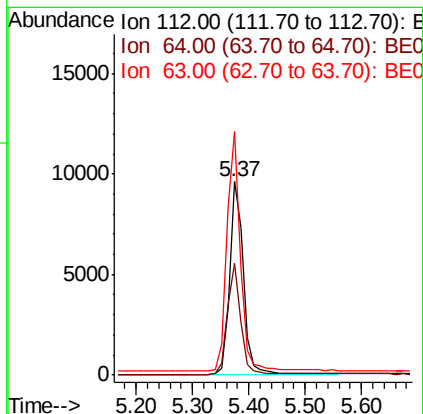
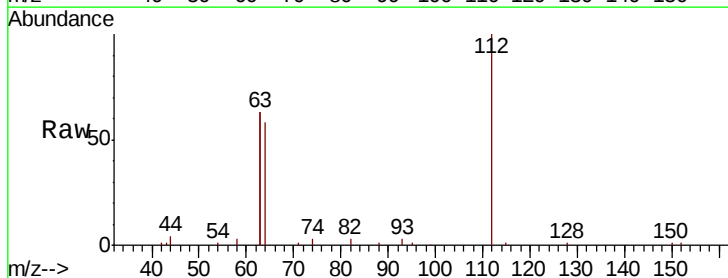
Tot Ion: 42 Resp: 5607  
 Ion Ratio Lower Upper  
 42 100  
 74 174.0 134.7 202.1  
 44 7.1 12.5 18.7#



#4

2-Fluorophenol  
 Concen: 3.422 ng  
 RT: 5.37 min Scan# 218  
 Delta R.T. -0.00 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

Tgt Ion: 112 Resp: 16218  
 Ion Ratio Lower Upper  
 112 100  
 64 56.1 43.7 65.5  
 63 123.0 94.0 141.0





#5

Phenol-d6

Concen: 3.485 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

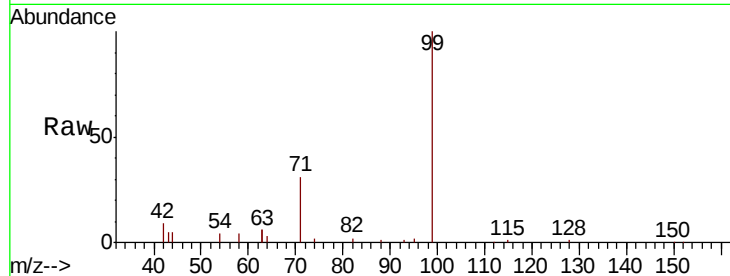
Tot Ion: 99 Resp: 21687

Ion Ratio Lower Upper

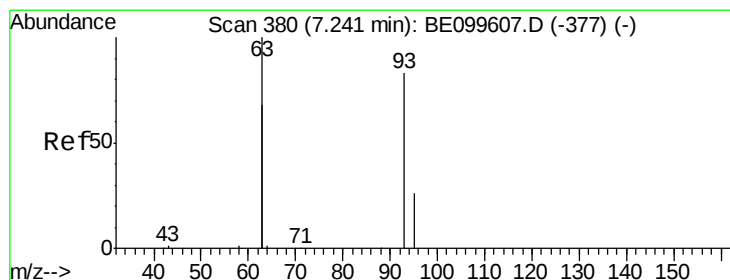
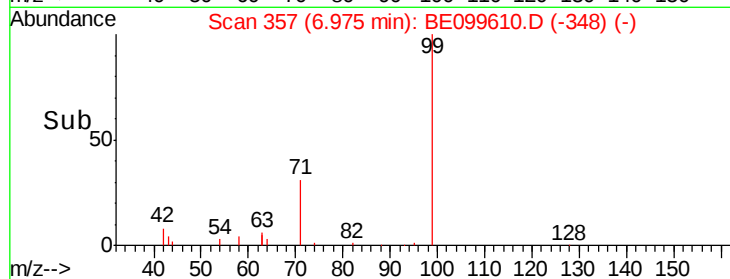
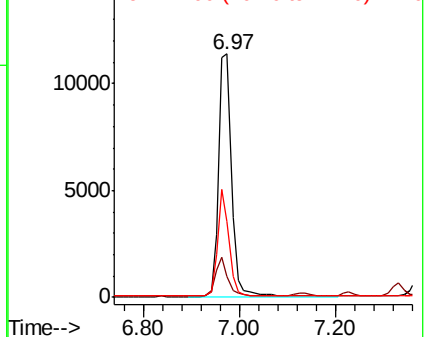
99 100

42 15.0 14.3 21.5

71 38.9 33.1 49.7



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: 3.438 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

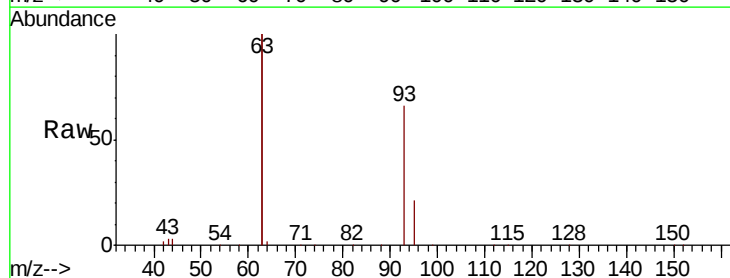
Tgt Ion: 93 Resp: 17782

Ion Ratio Lower Upper

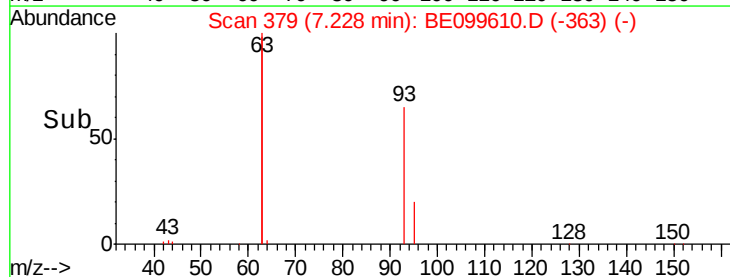
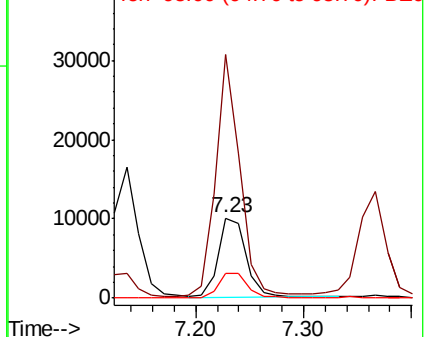
93 100

63 267.3 201.0 301.4

95 32.0 25.0 37.4



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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099610.D

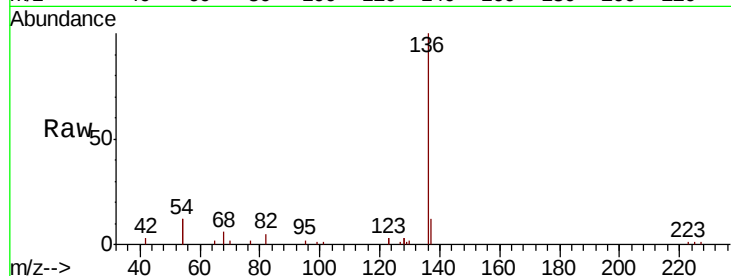
Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 6043      |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.5  | 9.7 14.5  |
| 54          | 24.4  | 23.8 35.8 |
| 68          | 5.9   | 6.2 9.2#  |

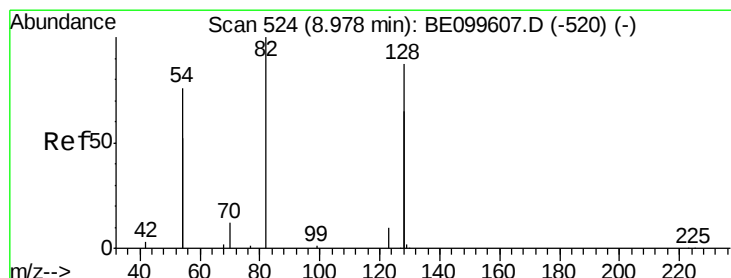
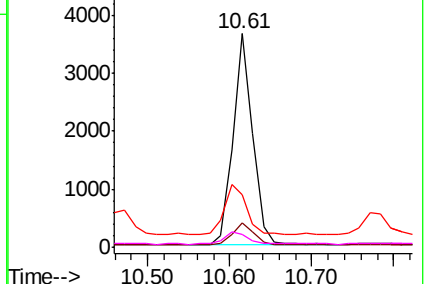
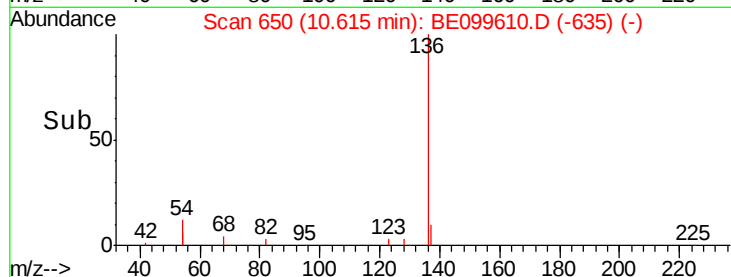


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.649 ng

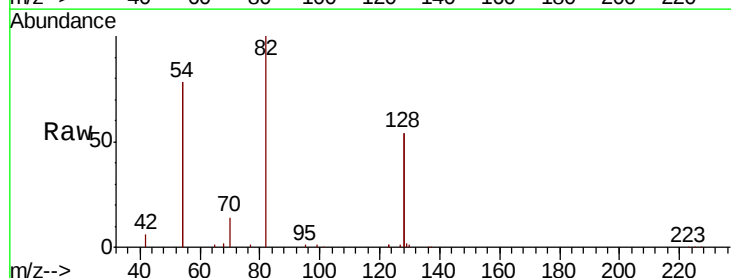
RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

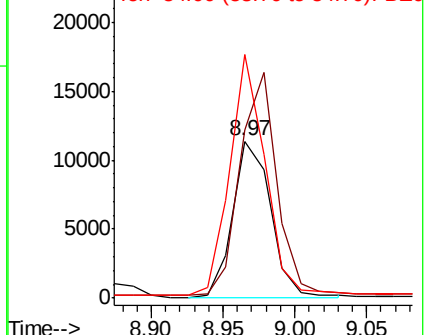
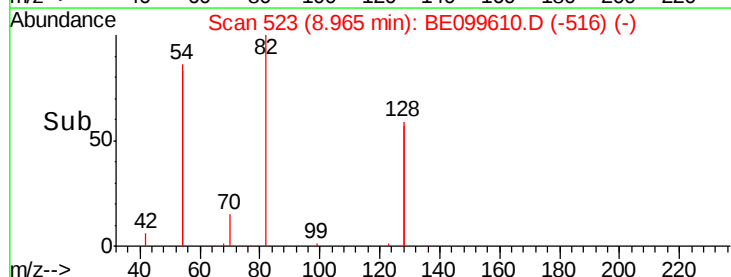
|             |       |              |
|-------------|-------|--------------|
| Tgt Ion: 82 | Resp: | 20692        |
| Ion Ratio   | Lower | Upper        |
| 82          | 100   |              |
| 128         | 107.7 | 131.4 197.2# |
| 54          | 155.4 | 113.9 170.9  |



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: 3.331 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

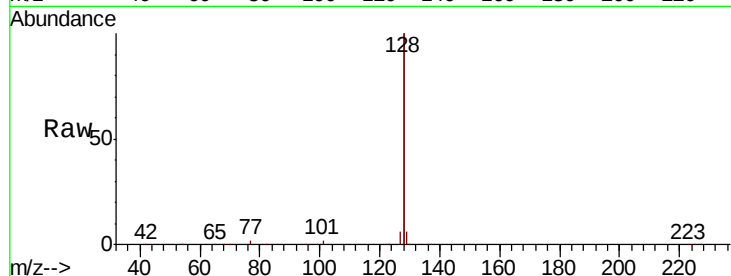
Tot Ion:128 Resp: 214484

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

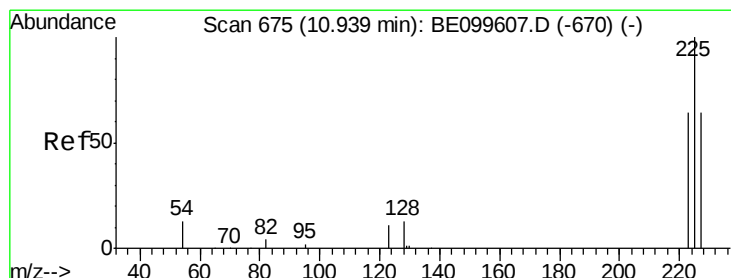
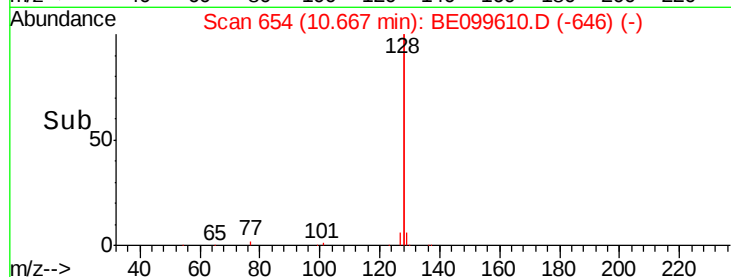
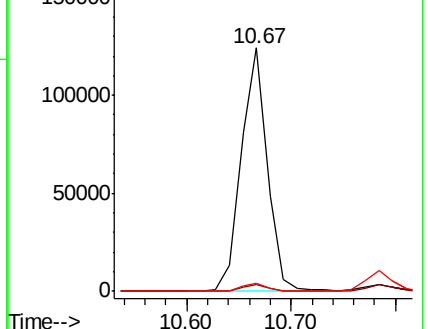
127 3.2 3.0 4.6



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: 3.350 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

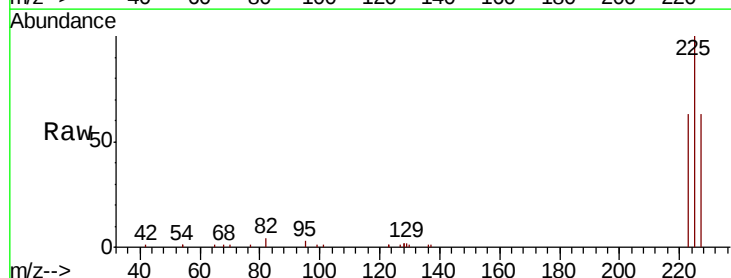
Tgt Ion:225 Resp: 15570

Ion Ratio Lower Upper

225 100

223 62.7 49.8 74.8

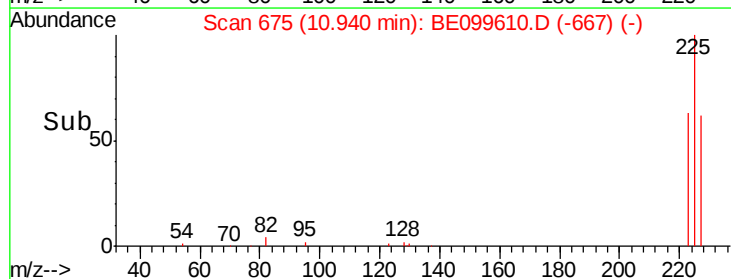
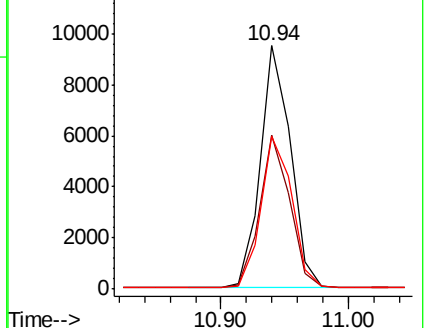
227 64.3 51.2 76.8

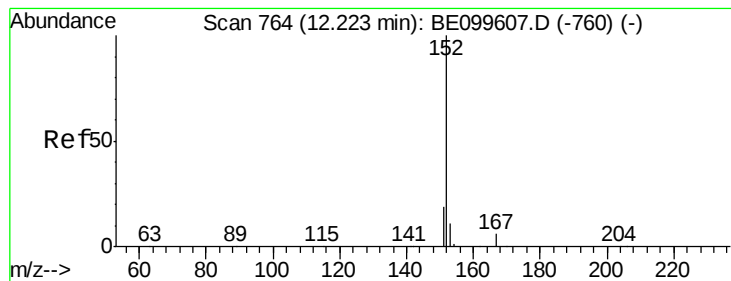


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

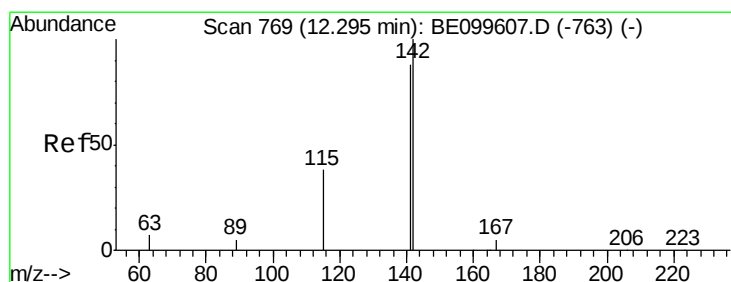
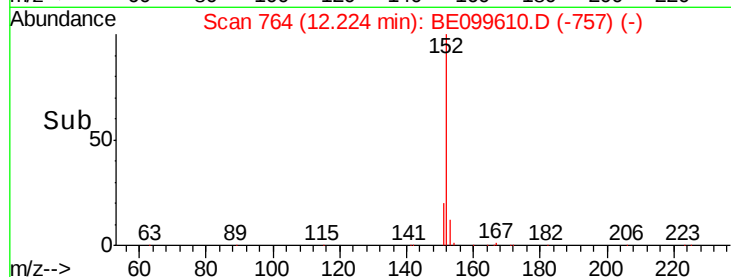
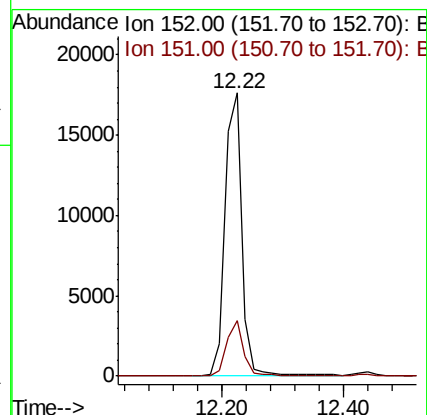
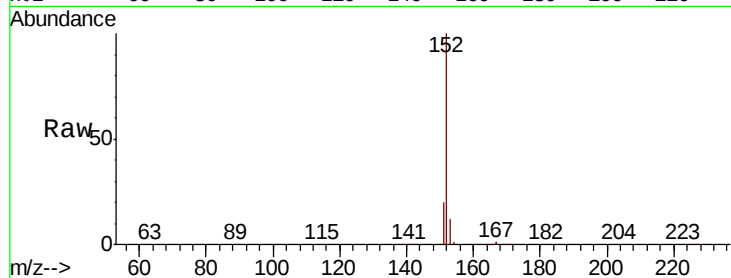




#11  
 2-Methylnaphthalene-d10  
 Concen: 3.368 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. 0.00 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

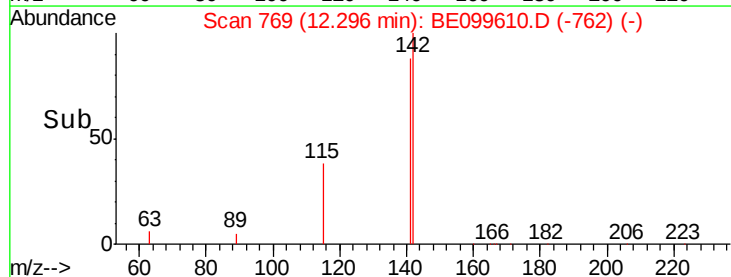
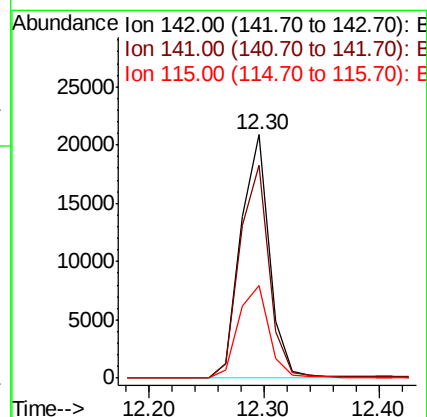
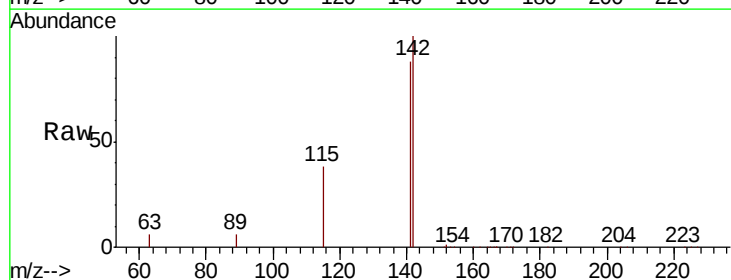
Instrument :  
 BNA\_E  
 ClientSampleId :

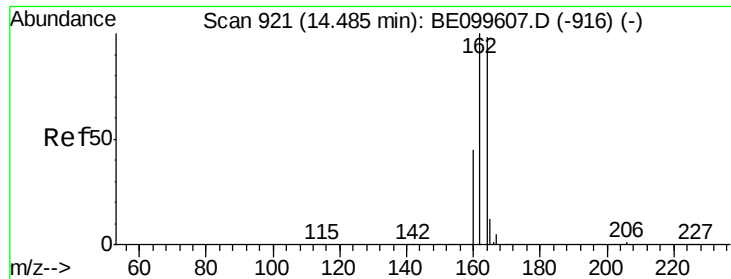
Tot Ion:152 Resp: 34066  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.3 22.9



#12  
 2-Methylnaphthalene  
 Concen: 3.422 ng  
 RT: 12.30 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

Tgt Ion:142 Resp: 35989  
 Ion Ratio Lower Upper  
 142 100  
 141 87.6 70.4 105.6  
 115 38.1 32.2 48.4

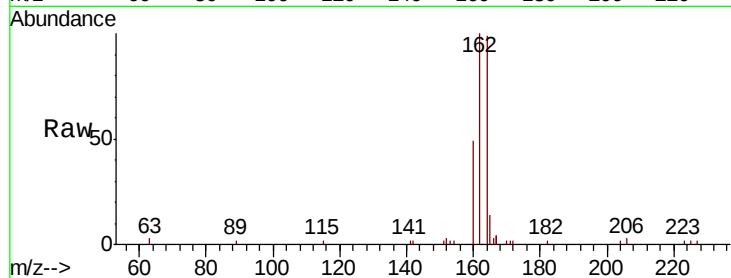




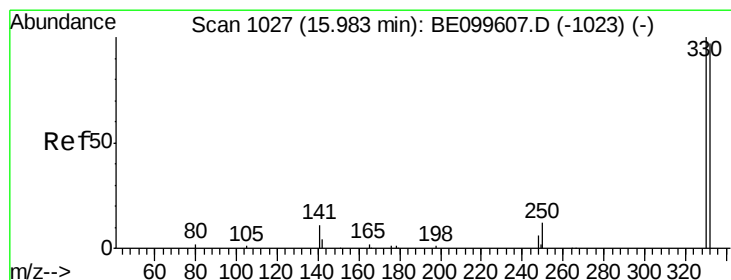
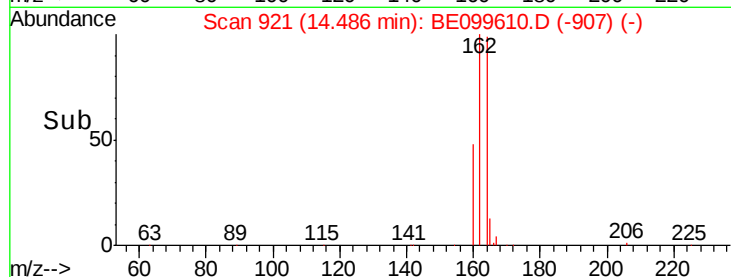
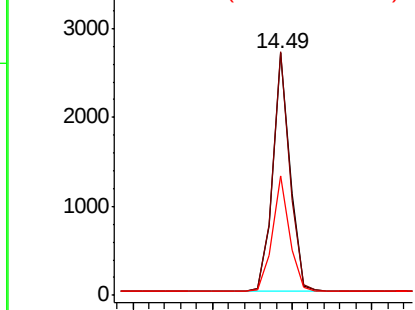
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.49 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 4019  
Ion Ratio Lower Upper  
164 100  
162 100.5 81.4 122.0  
160 49.2 37.4 56.2

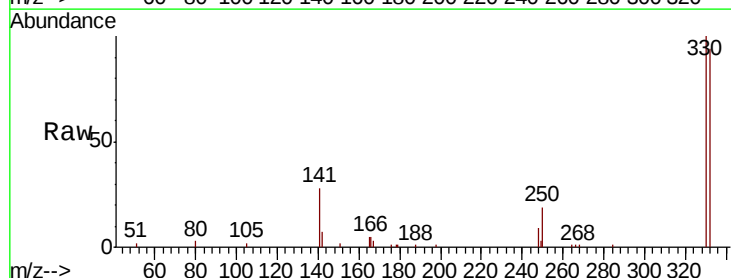


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

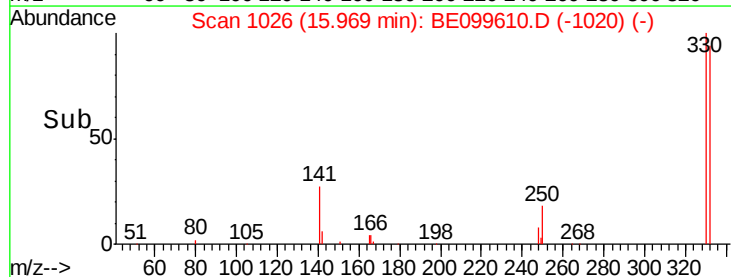
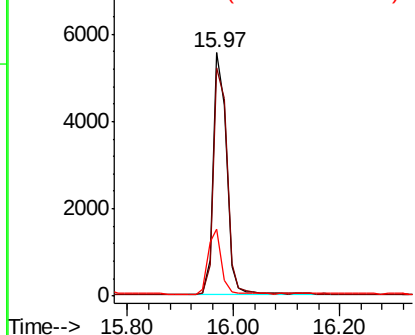


#14  
2,4,6-Tribromophenol  
Concen: 3.946 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion:330 Resp: 9406  
Ion Ratio Lower Upper  
330 100  
332 97.8 73.8 110.8  
141 27.6 21.0 31.6



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

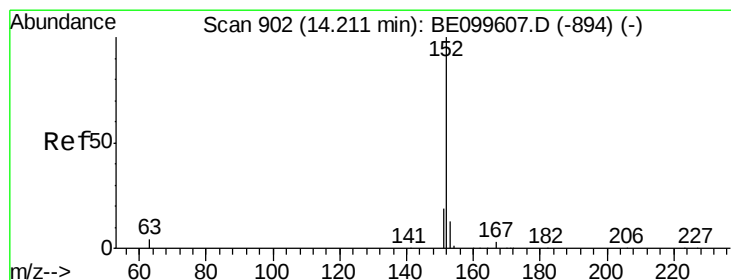
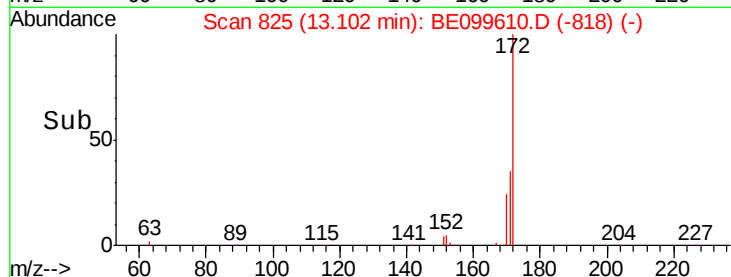
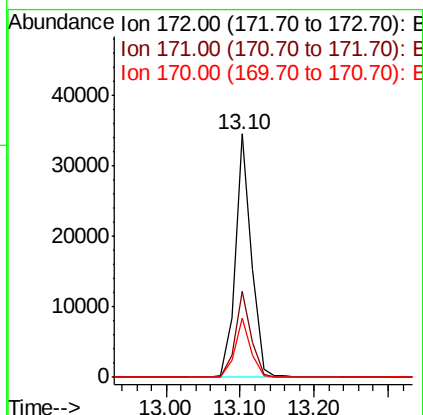
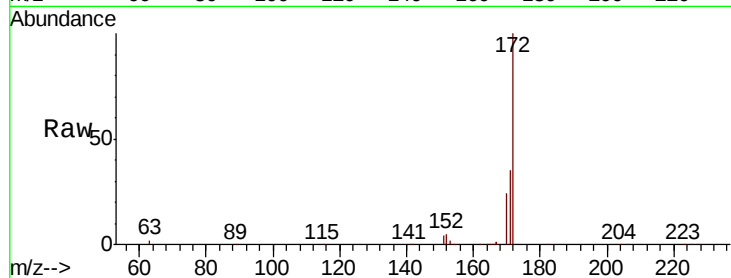




#15  
2-Fluorobiphenyl  
Concen: 3.335 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

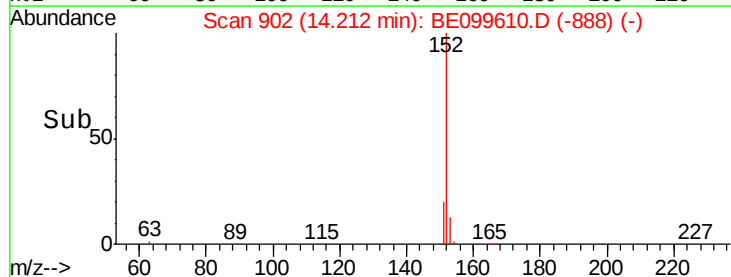
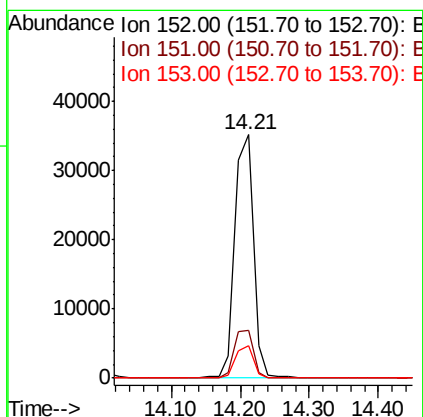
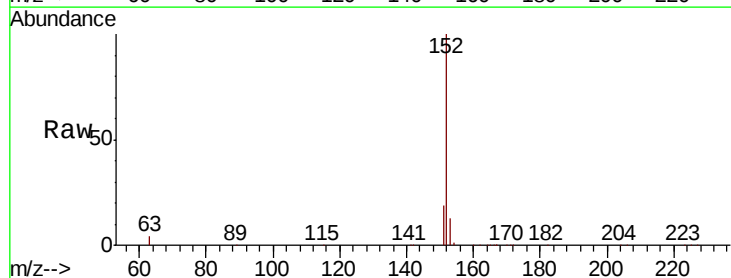
Instrument :  
BNA\_E  
ClientSampleId :

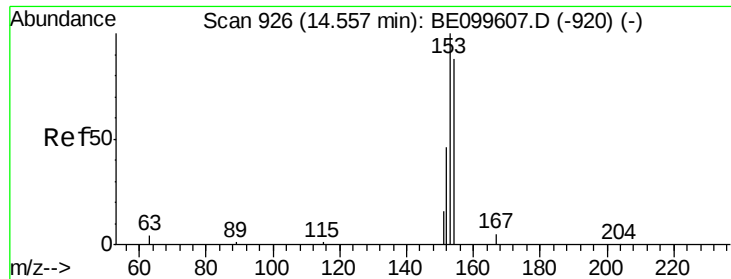
Tot Ion:172 Resp: 51960  
Ion Ratio Lower Upper  
172 100  
171 35.2 29.4 44.2  
170 24.3 21.5 32.3



#16  
Acenaphthylene  
Concen: 3.362 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion:152 Resp: 65412  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.6 23.4  
153 12.9 10.4 15.6

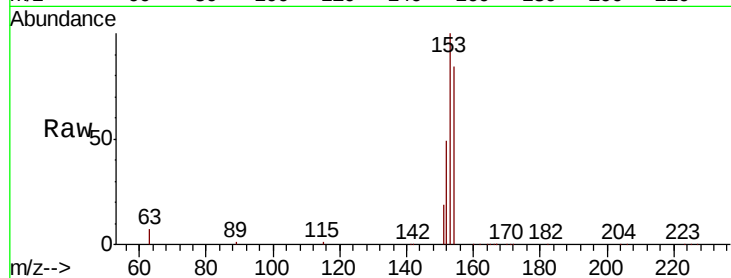




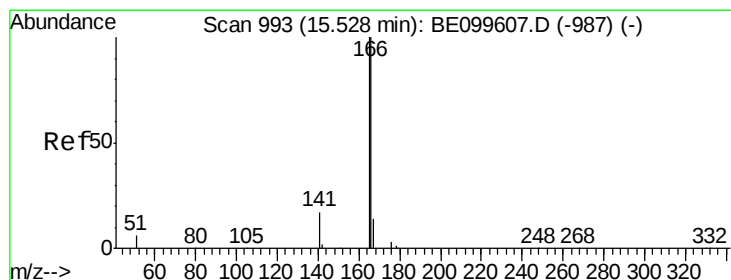
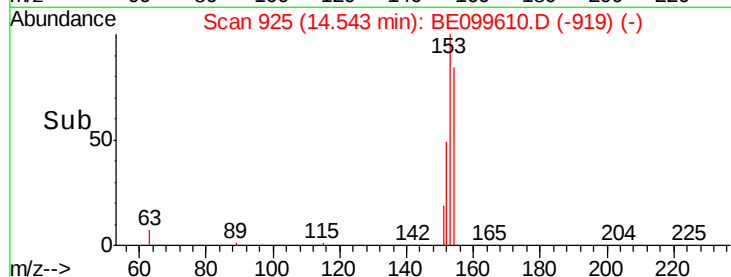
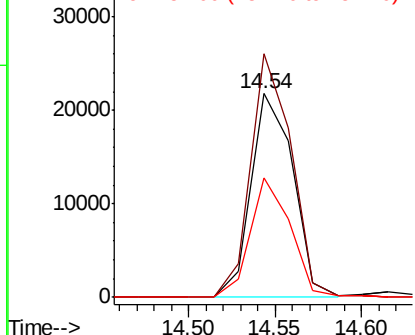
#17  
Acenaphthene  
Concen: 3.394 ng  
RT: 14.54 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:154 Resp: 36879  
Ion Ratio Lower Upper  
154 100  
153 115.5 94.1 141.1  
152 55.7 46.5 69.7

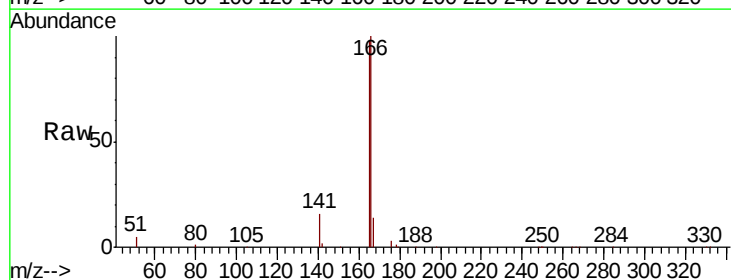


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

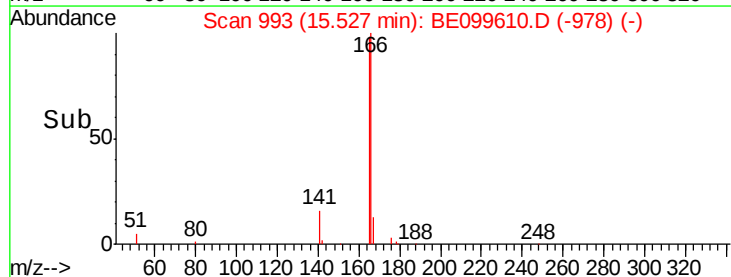
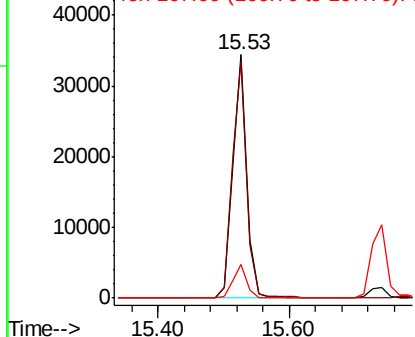


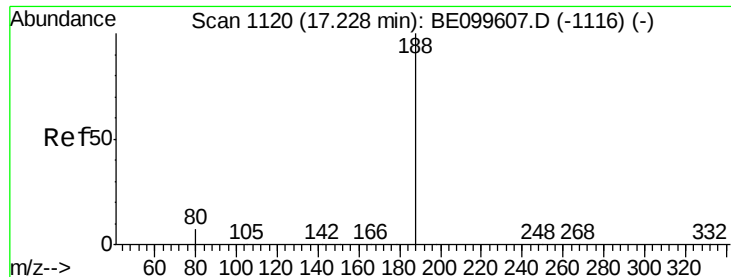
#18  
Fluorene  
Concen: 3.349 ng  
RT: 15.53 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion:166 Resp: 51909  
Ion Ratio Lower Upper  
166 100  
165 99.5 79.8 119.8  
167 13.4 11.2 16.8



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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

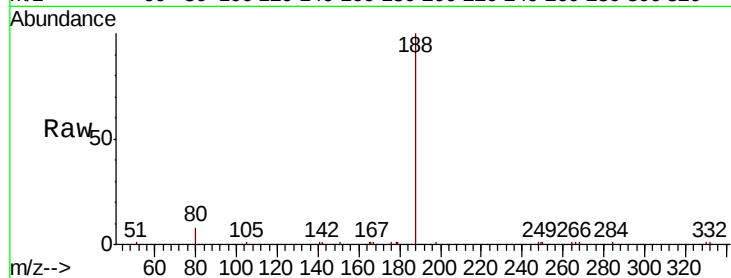
Tot Ion:188 Resp: 11093

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

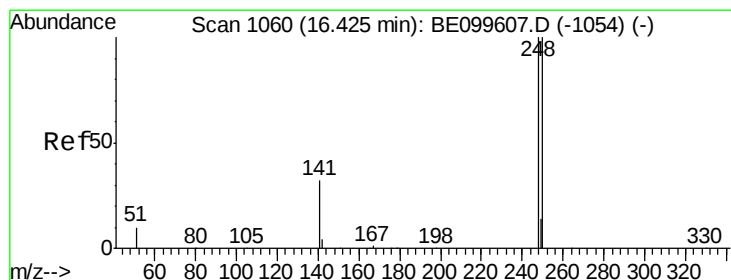
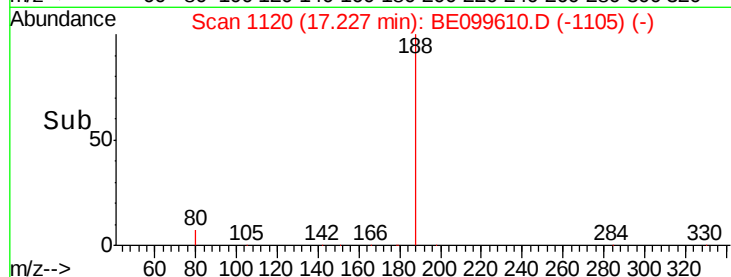
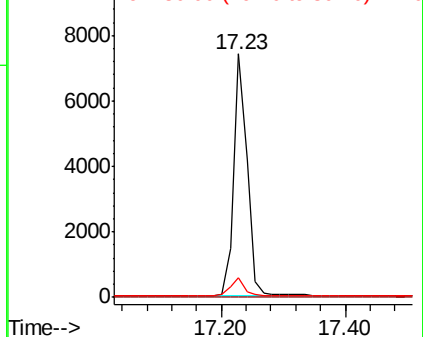
80 8.3 6.4 9.6



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: 3.473 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

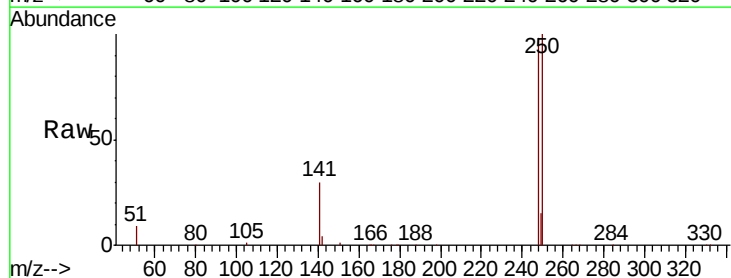
Tgt Ion:248 Resp: 21975

Ion Ratio Lower Upper

248 100

250 101.8 80.4 120.6

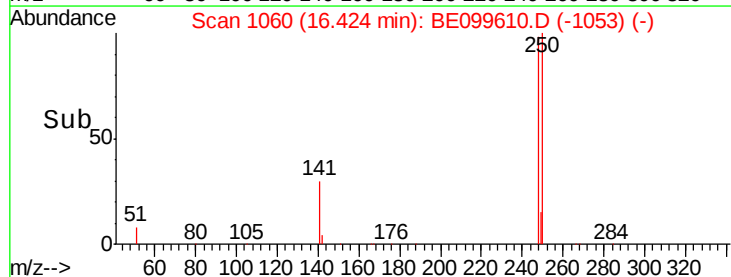
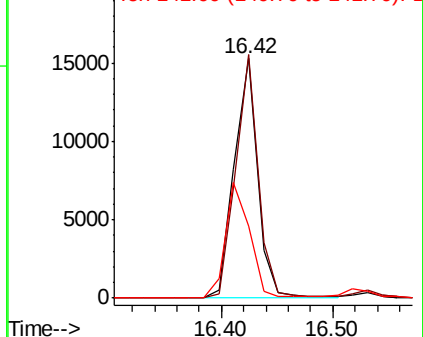
141 30.3 27.8 41.8

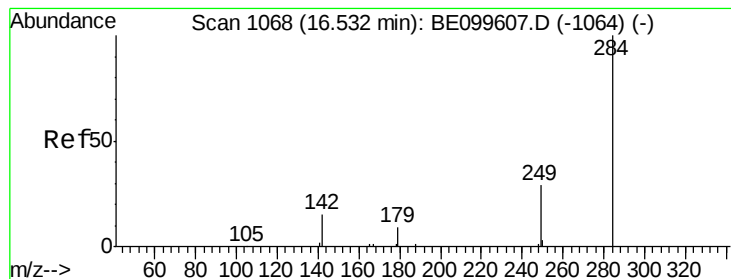


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.318 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

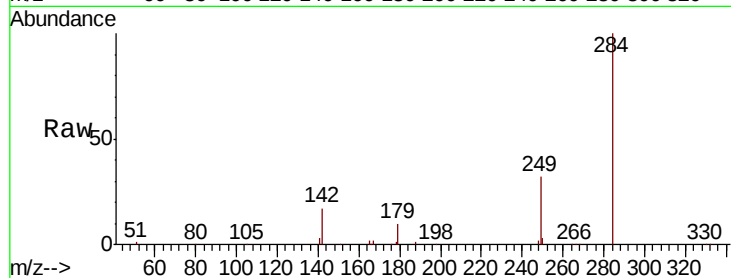
Tot Ion:284 Resp: 21080

Ion Ratio Lower Upper

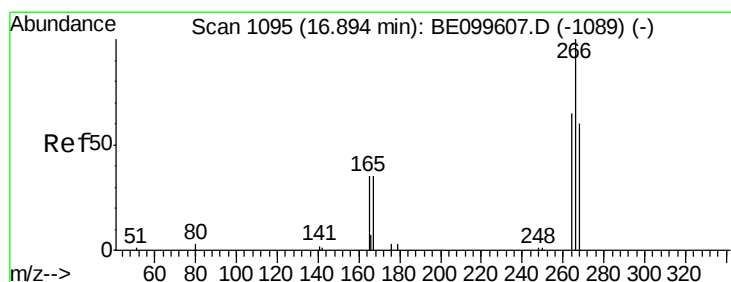
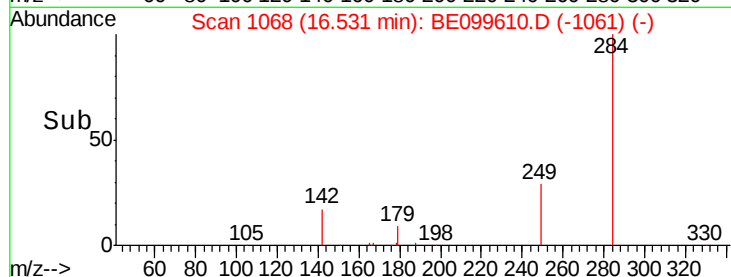
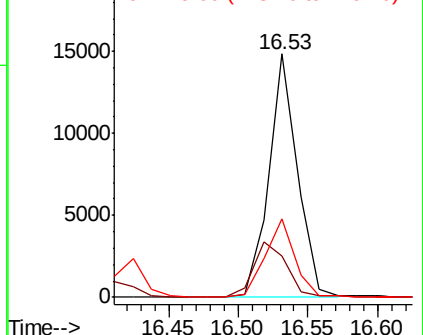
284 100

142 25.4 19.4 29.2

249 32.4 24.6 37.0



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: 4.058 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

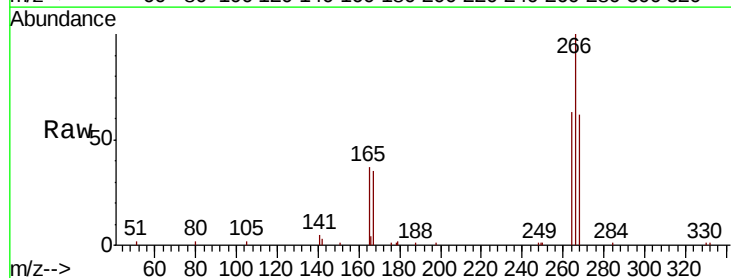
Tgt Ion:266 Resp: 10307

Ion Ratio Lower Upper

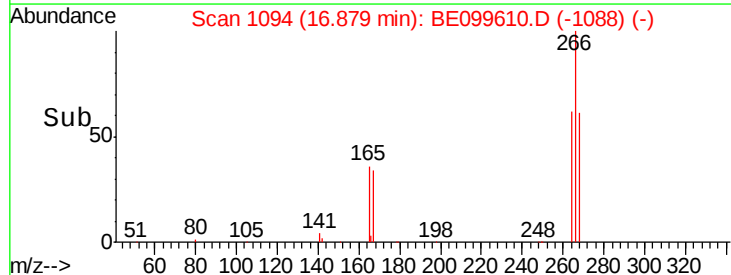
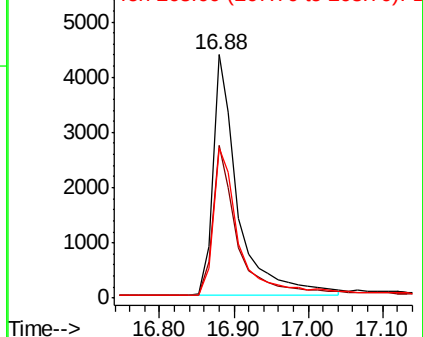
266 100

264 62.5 57.7 86.5

268 61.7 55.8 83.8



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: 3.356 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

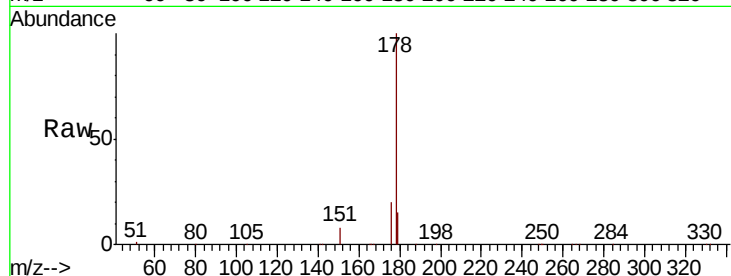
Tot Ion:178 Resp: 92412

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

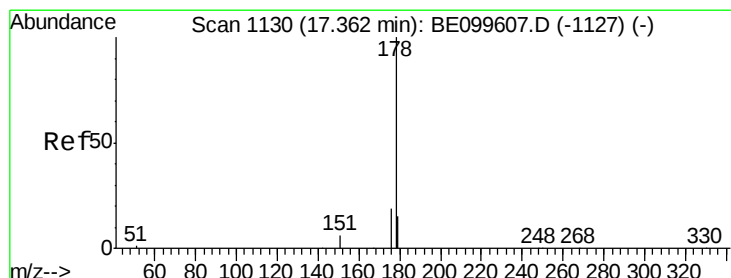
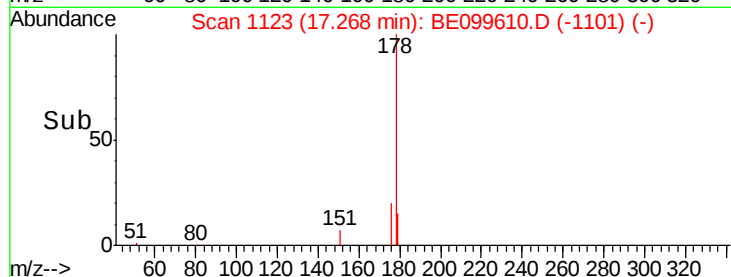
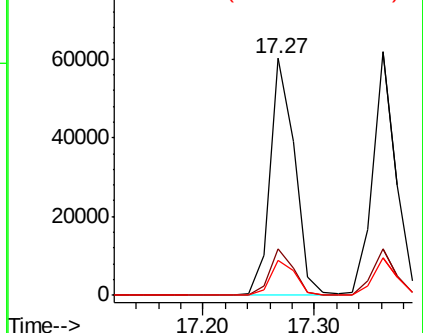
179 15.2 12.2 18.2



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: 3.459 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

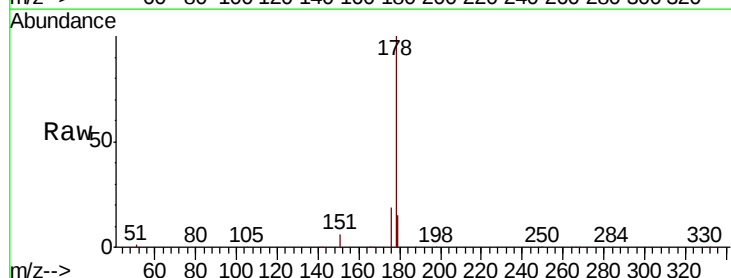
Tgt Ion:178 Resp: 89425

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

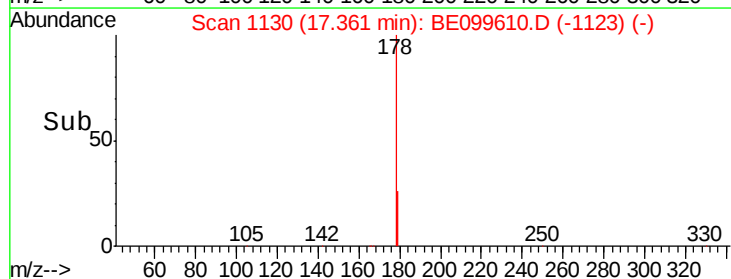
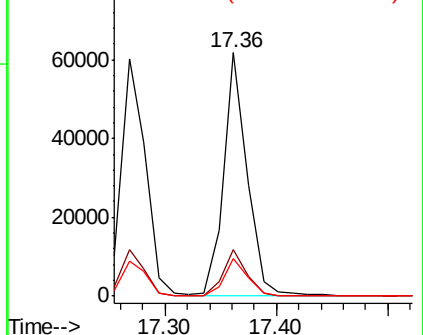
179 15.3 12.1 18.1



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: 3.330 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

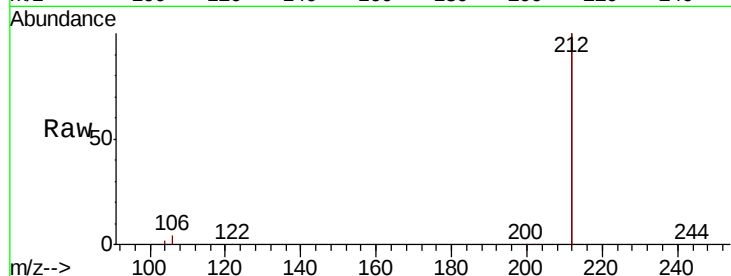
Tot Ion:212 Resp: 485784

Ion Ratio Lower Upper

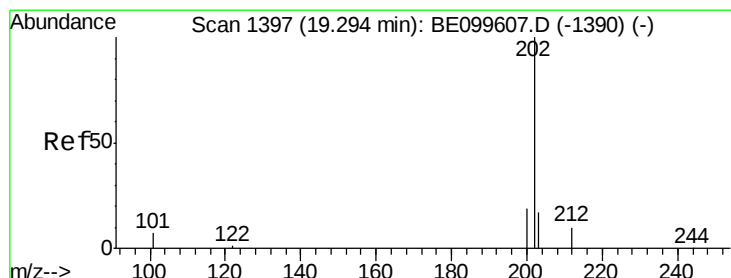
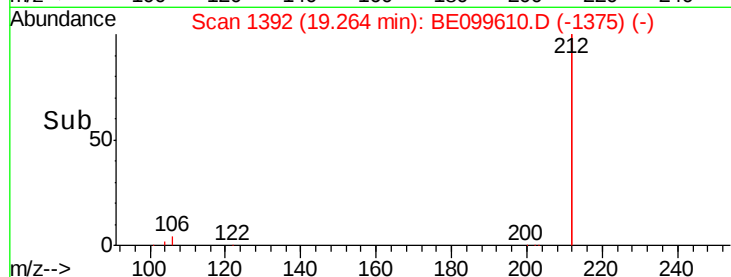
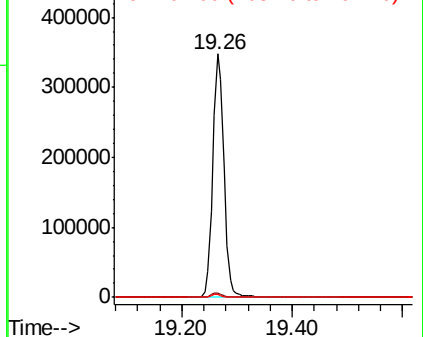
212 100

106 1.8 1.4 2.2

104 1.0 0.9 1.3



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: 3.330 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

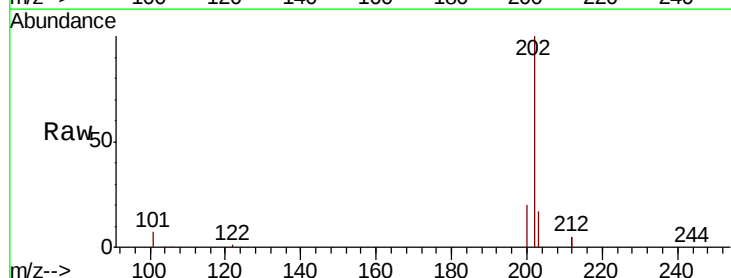
Tgt Ion:202 Resp: 137953

Ion Ratio Lower Upper

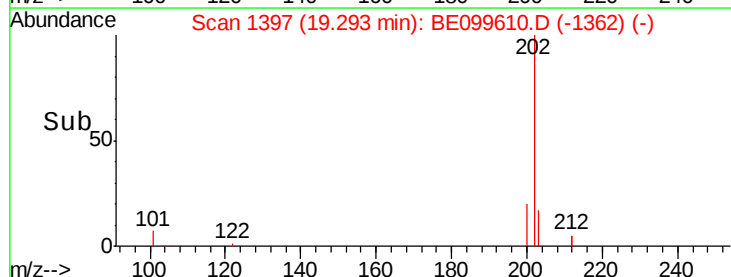
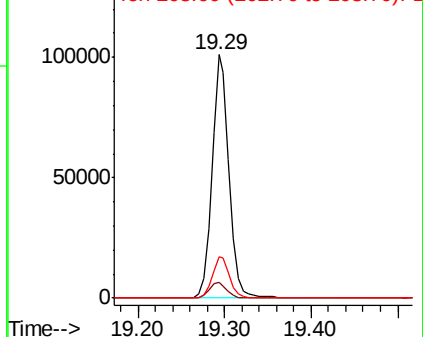
202 100

101 6.8 5.0 7.6

203 17.5 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

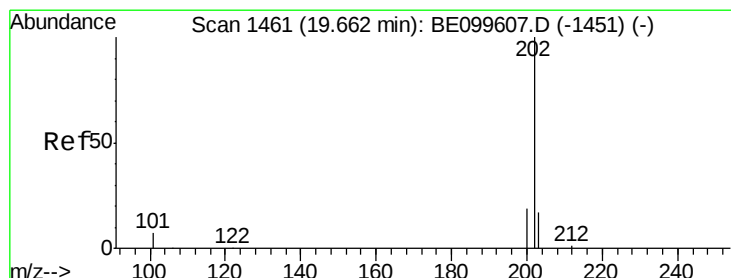
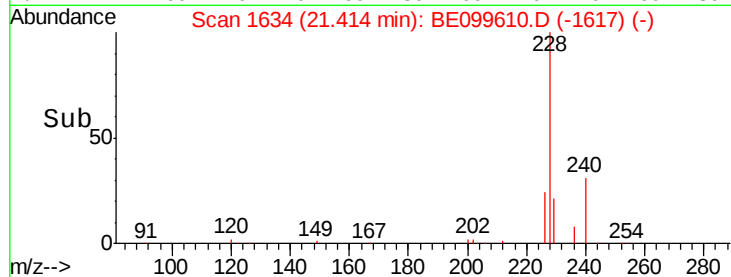
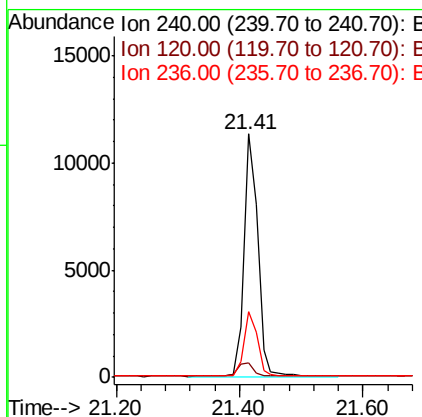
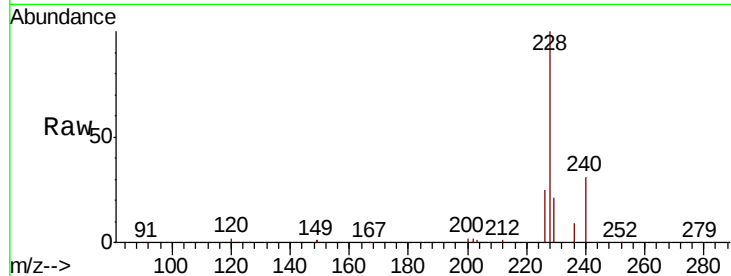




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.41 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

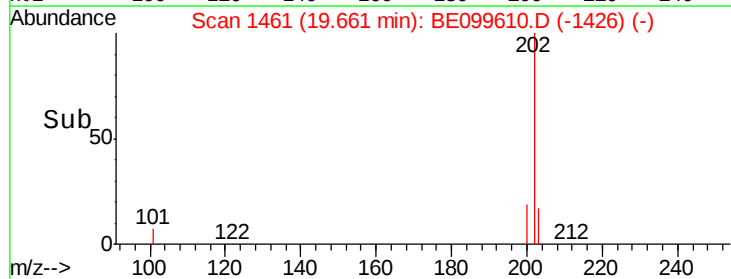
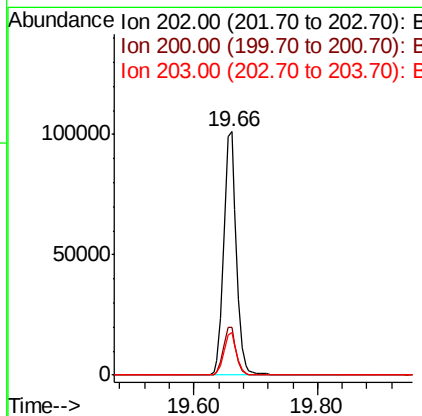
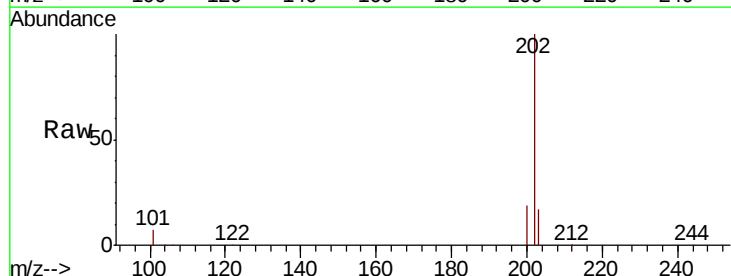
Instrument :  
BNA\_E  
ClientSampleId :

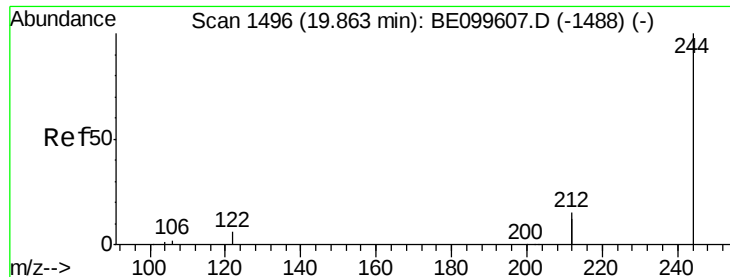
Tot Ion:240 Resp: 17175  
Ion Ratio Lower Upper  
240 100  
120 6.0 5.7 8.5  
236 27.2 22.8 34.2



#28  
Pyrene  
Concen: 3.156 ng  
RT: 19.66 min Scan# 1461  
Delta R.T. -0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion:202 Resp: 142840  
Ion Ratio Lower Upper  
202 100  
200 19.8 15.8 23.6  
203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 3.341 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampled :

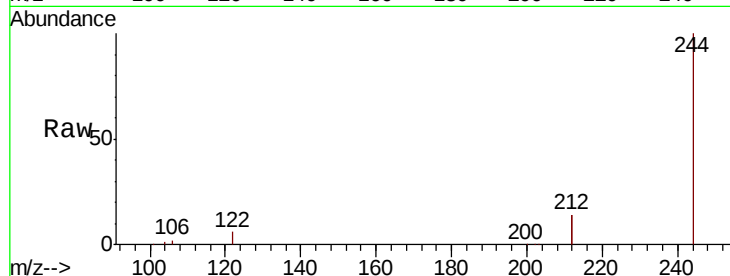
Tot Ion:244 Resp: 101982

Ion Ratio Lower Upper

244 100

212 28.3 23.8 35.6

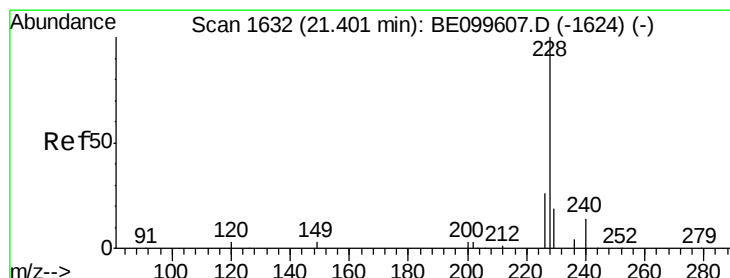
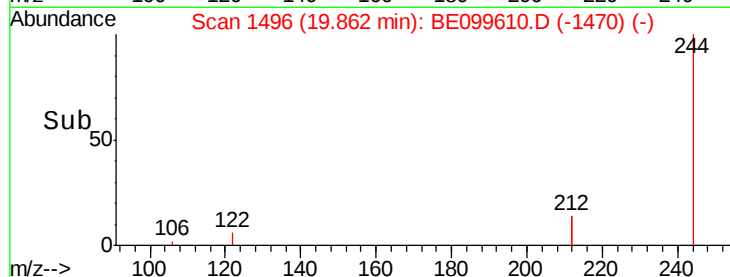
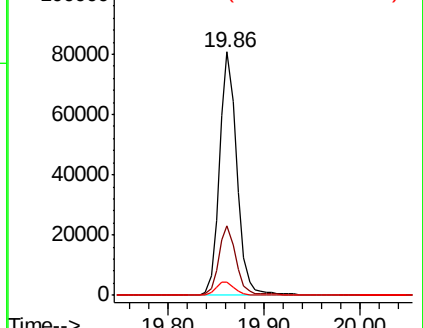
122 5.6 5.0 7.6



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: 3.292 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

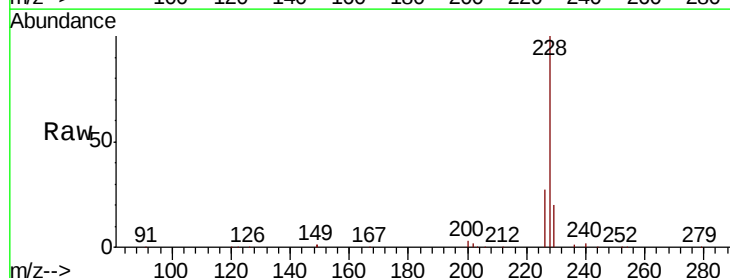
Tgt Ion:228 Resp: 172653

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

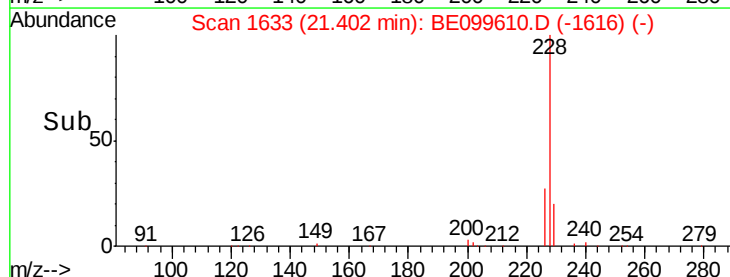
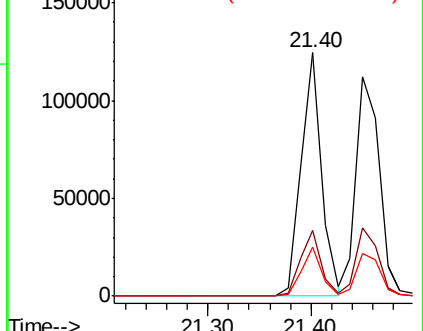
229 20.0 15.8 23.8

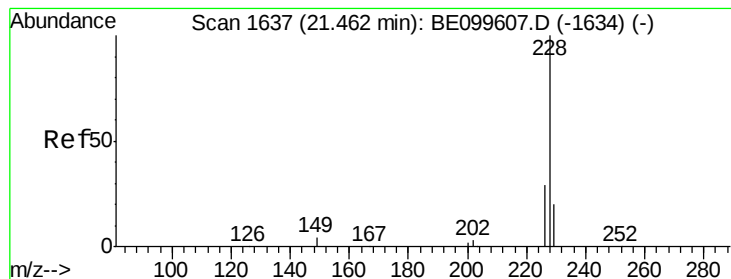


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.326 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

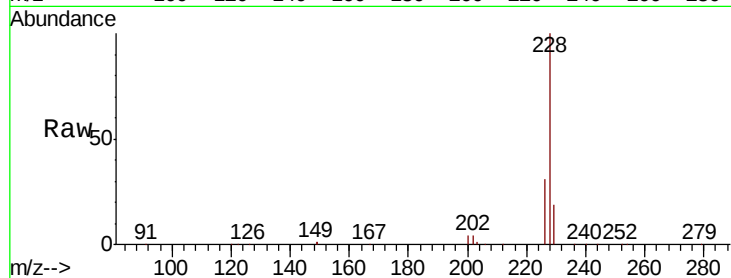
Tot Ion:228 Resp: 174374

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

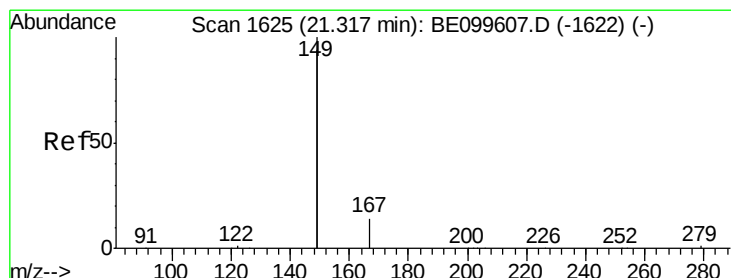
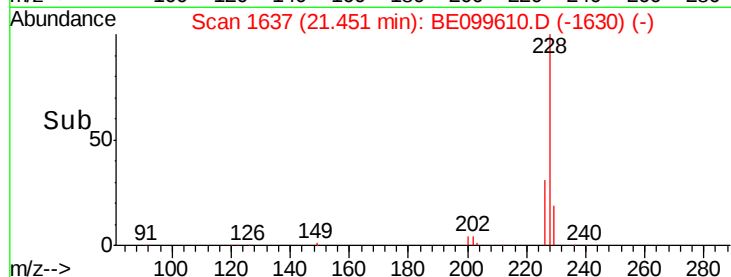
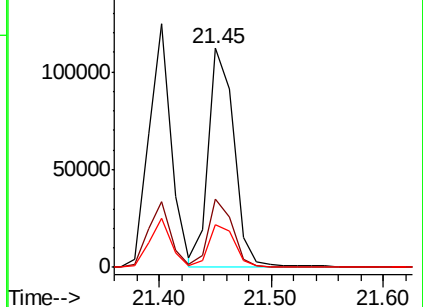
229 19.4 16.4 24.6



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: 3.232 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

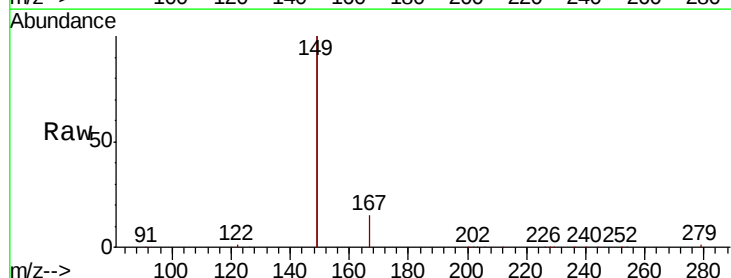
Tgt Ion:149 Resp: 243623

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

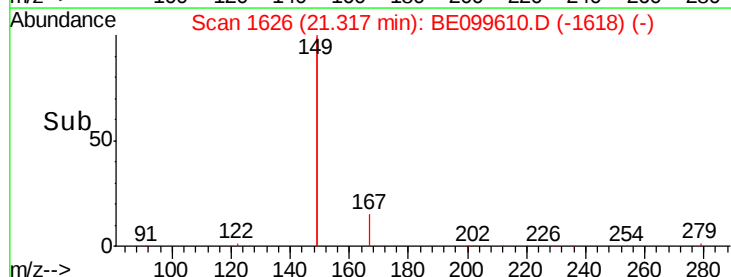
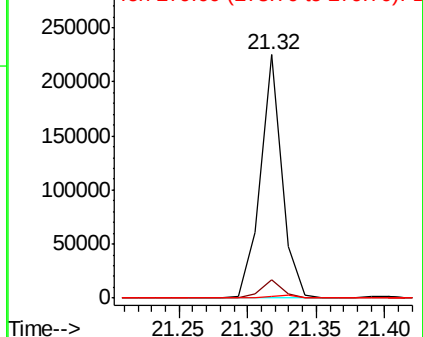
279 1.4 1.1 1.7



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

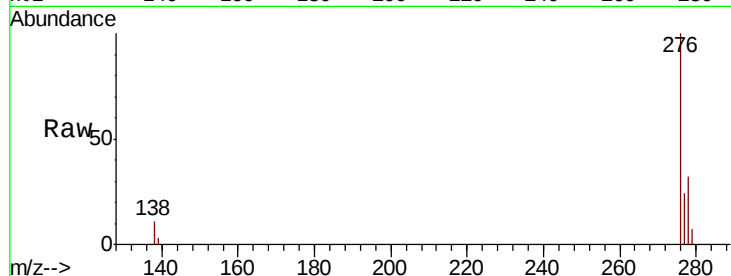




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.337 ng  
 RT: 26.65 min Scan# 2976  
 Delta R.T. -0.00 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.4  | 10.0  | 15.0  |
| 277     | 24.8  | 19.1  | 28.7  |

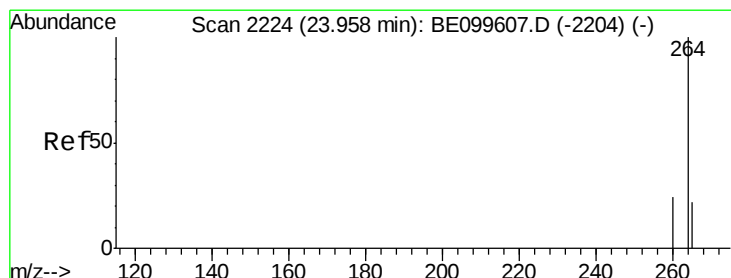
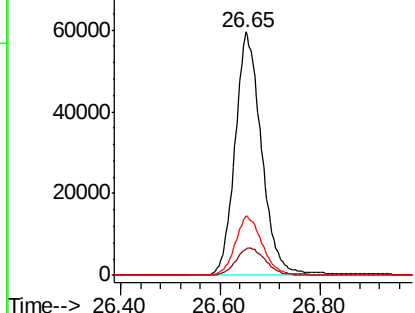
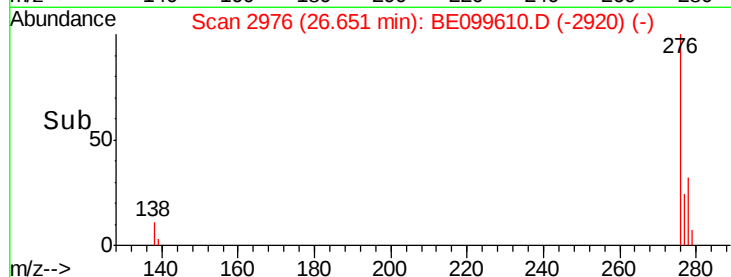


Abundance

Ion 276.00 (275.70 to 276.70): E

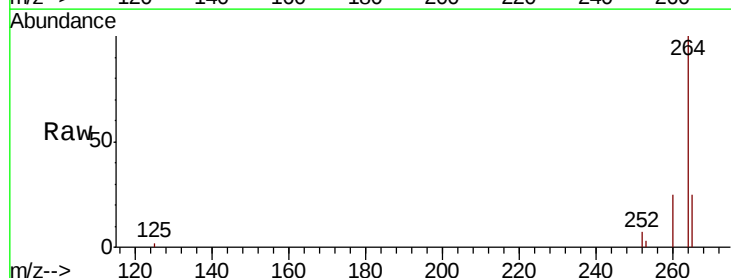
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.96 min Scan# 2226  
 Delta R.T. 0.00 min  
 Lab File: BE099610.D  
 Acq: 14 May 2019 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.7  | 29.5  |
| 265     | 24.9  | 21.2  | 31.8  |

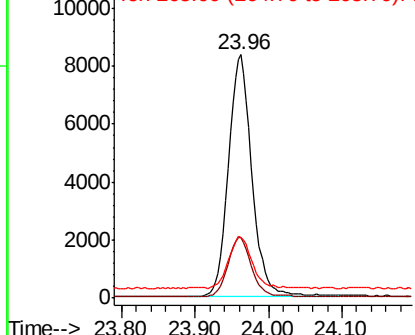
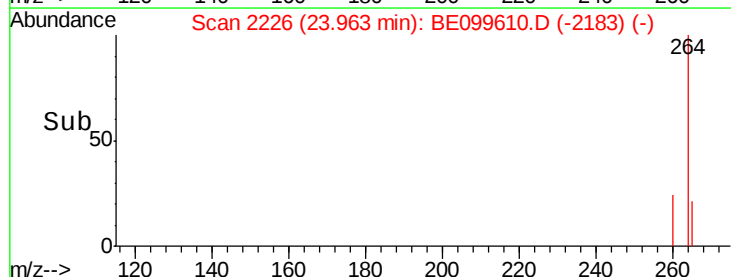


Abundance

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

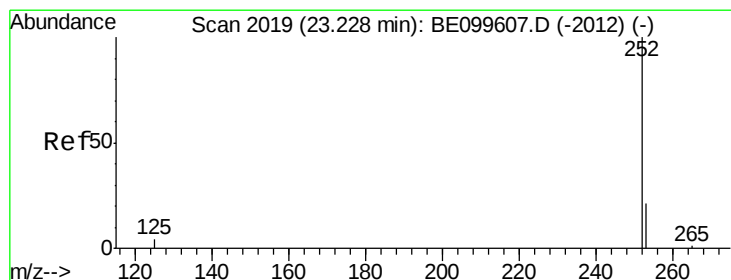
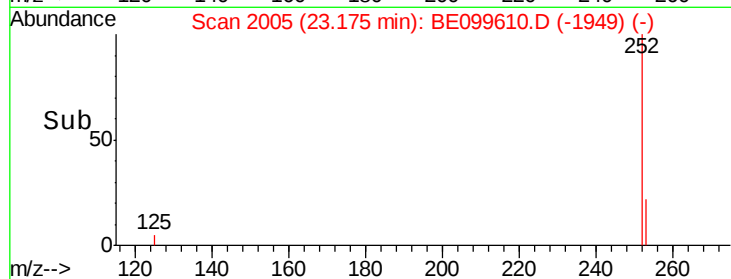
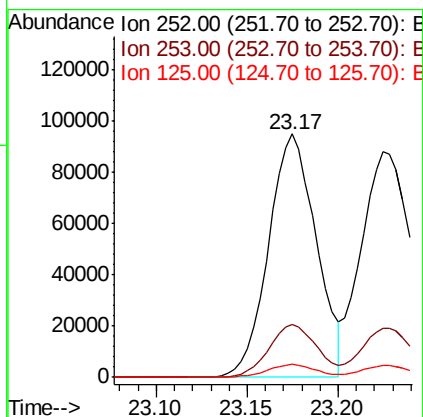
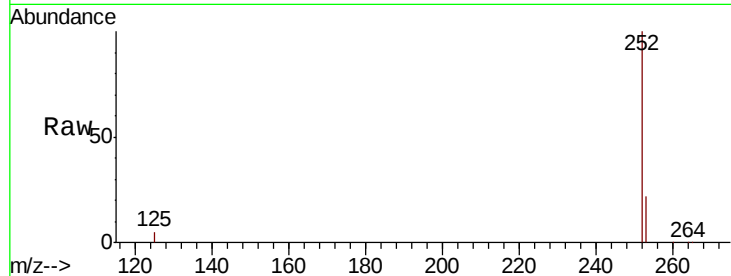




#35  
Benzo(b)fluoranthene  
Concen: 3.329 ng  
RT: 23.17 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

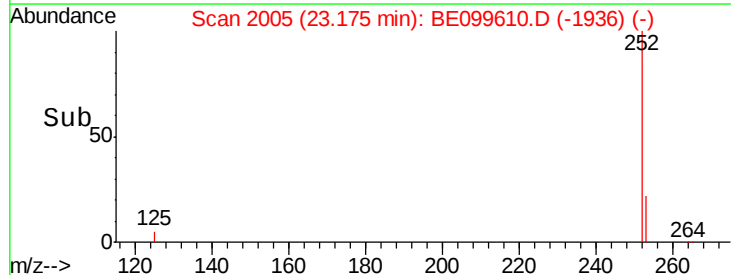
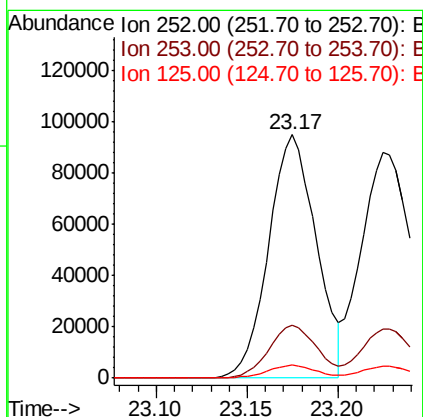
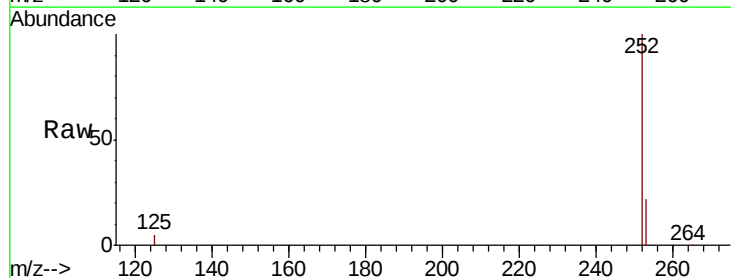
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 172058  
Ion Ratio Lower Upper  
252 100  
253 21.9 19.1 28.7  
125 5.3 7.8 11.8#



#36  
Benzo(k)fluoranthene  
Concen: 3.349 ng  
RT: 23.17 min Scan# 2005  
Delta R.T. -0.05 min  
Lab File: BE099610.D  
Acq: 14 May 2019 18:19

Tgt Ion:252 Resp: 172058  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.6 28.0  
125 5.3 5.2 7.8





#37

Benzo(a)pyrene

Concen: 3.330 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

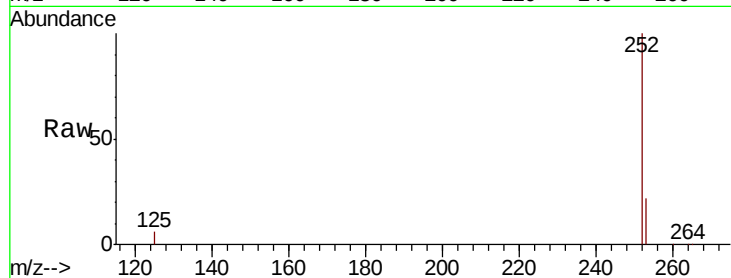
Tot Ion:252 Resp: 166735

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

125 5.7 8.8 13.2#

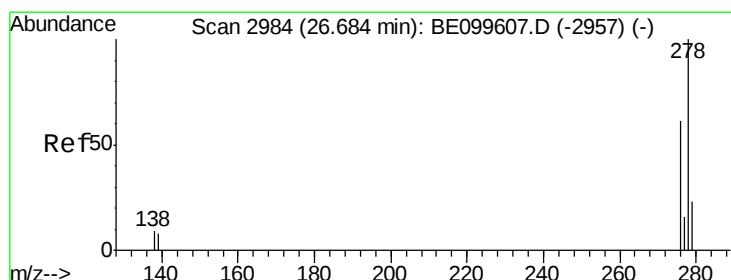
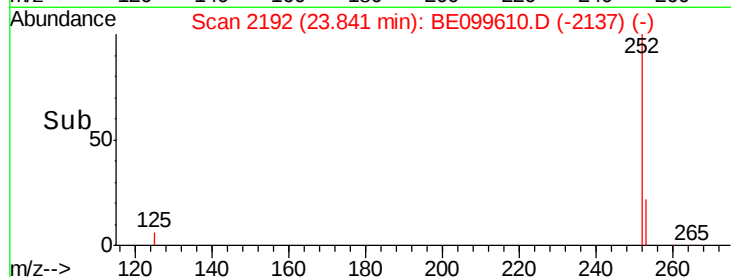
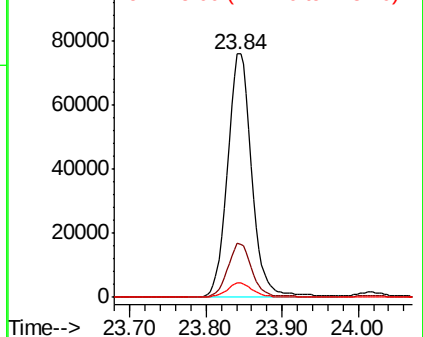


Abundance

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: 3.456 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

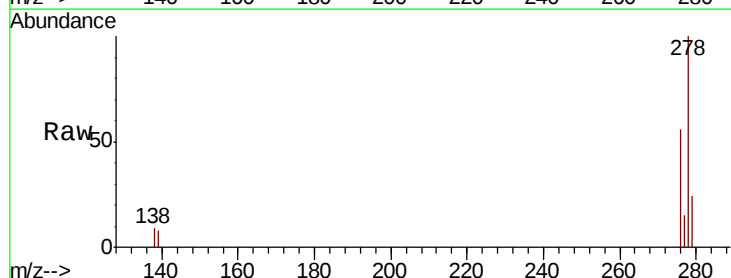
Tgt Ion:278 Resp: 180881

Ion Ratio Lower Upper

278 100

139 8.2 7.9 11.9

279 23.6 19.5 29.3

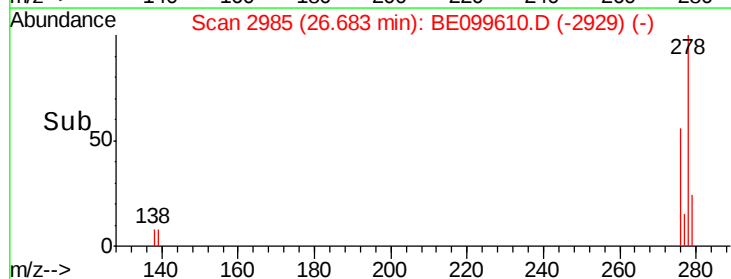
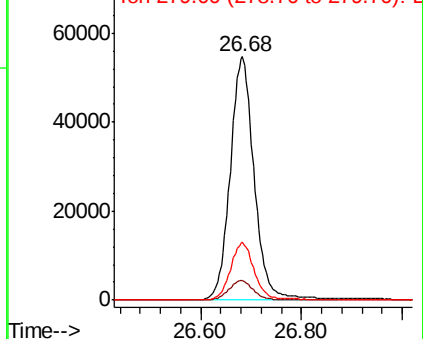


Abundance

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: 3.368 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099610.D

Acq: 14 May 2019 18:19

Instrument :

BNA\_E

ClientSampleId :

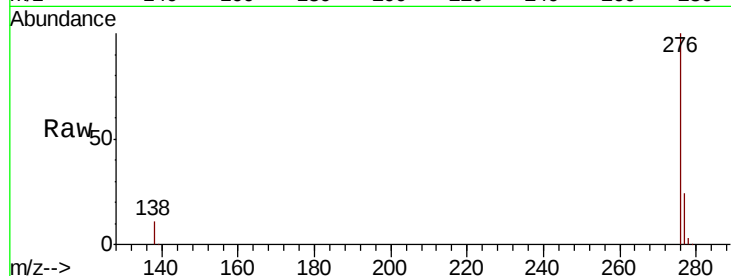
Tot Ion: 276 Resp: 178425

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 10.6 9.1 13.7



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

