

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\  
 Data File : BE099585.D  
 Acq On : 9 May 2019 11:08  
 Operator : JU/SJ  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 09 11:57:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 09 11:50:46 2019  
 Response via : Initial Calibration

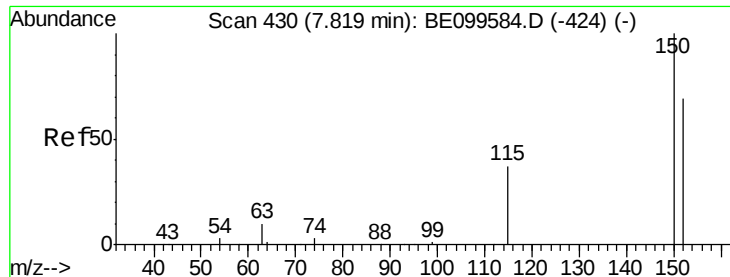
| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 1481     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 5348     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.50 | 164  | 3602     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 10096    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 15175    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.97 | 264  | 16588    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 3392   | 0.83 | ng | 0.00 |
| 5) Phenol-d6                | 6.98  | 99  | 4508   | 0.83 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.98  | 82  | 4242   | 0.82 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 7527   | 0.81 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330 | 1783   | 0.74 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 11642  | 0.85 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.27 | 212 | 110738 | 0.81 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.87 | 244 | 21981  | 0.78 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 1608  | 0.769  | ng | 89   |
| 3) n-Nitrosodimethylamine      | 3.64  | 42  | 1097  | 0.792  | ng | # 91 |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 3697  | 0.821  | ng | 98   |
| 9) Naphthalene                 | 10.67 | 128 | 47693 | 0.842  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.95 | 225 | 3401  | 0.827  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 7879  | 0.821  | ng | 97   |
| 16) Acenaphthylene             | 14.21 | 152 | 14539 | 0.837  | ng | 100  |
| 17) Acenaphthene               | 14.56 | 154 | 8089  | 0.833  | ng | 99   |
| 18) Fluorene                   | 15.53 | 166 | 11574 | 0.835  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 4760  | 0.830  | ng | 97   |
| 21) Hexachlorobenzene          | 16.53 | 284 | 4822  | 0.845  | ng | 99   |
| 22) Pentachlorophenol          | 16.89 | 266 | 1759  | 0.749  | ng | 92   |
| 23) Phenanthrene               | 17.28 | 178 | 21019 | 0.845  | ng | 99   |
| 24) Anthracene                 | 17.38 | 178 | 19518 | 0.816  | ng | 100  |
| 26) Fluoranthene               | 19.30 | 202 | 31547 | 0.823  | ng | 100  |
| 28) Pyrene                     | 19.67 | 202 | 32858 | 0.808  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 38124 | 0.811  | ng | 98   |
| 31) Chrysene                   | 21.46 | 228 | 37900 | 0.817  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 52629 | 0.706  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.67 | 276 | 47665 | 0.865  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.19 | 252 | 38548 | 0.842  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.24 | 252 | 38280 | 0.850  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.86 | 252 | 37255 | 0.844  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.70 | 278 | 39050 | 0.856  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.51 | 276 | 39676 | 0.868  | ng | 100  |

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



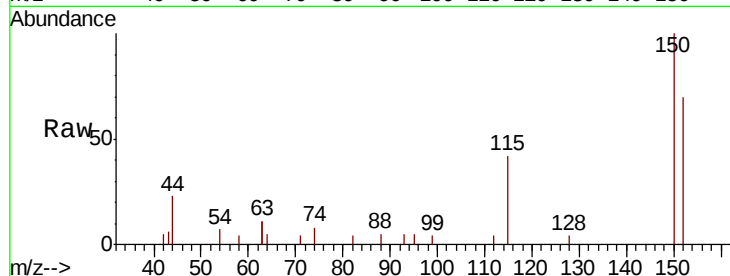


#1

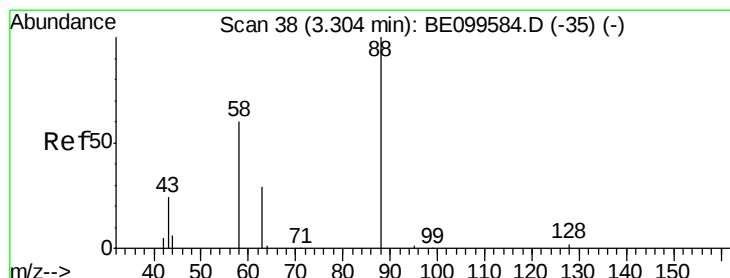
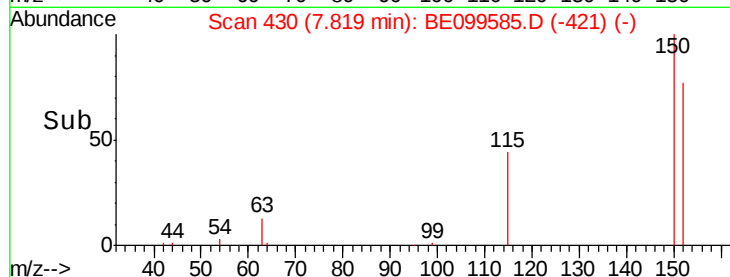
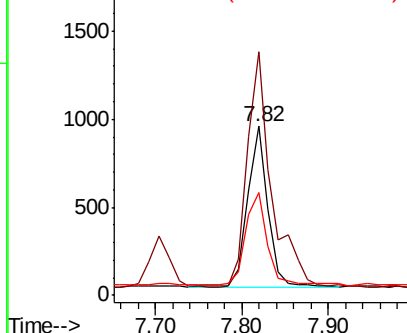
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1481  
Ion Ratio Lower Upper  
152 100  
150 143.8 114.2 171.4  
115 60.7 45.4 68.0



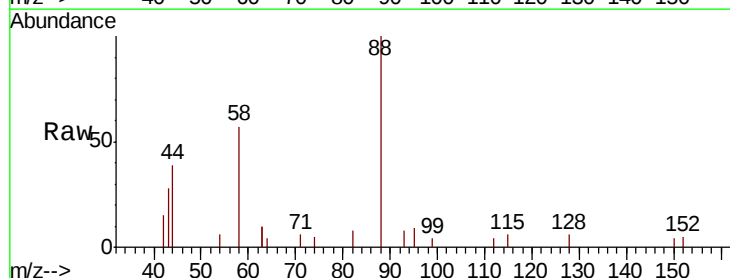
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



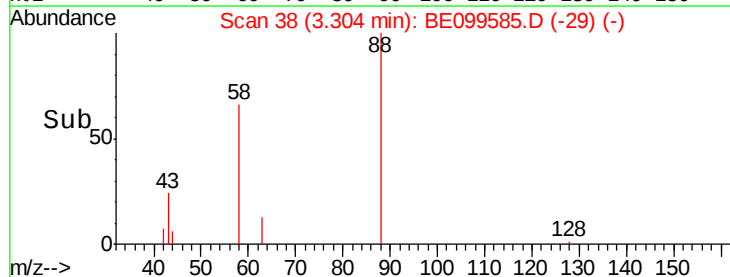
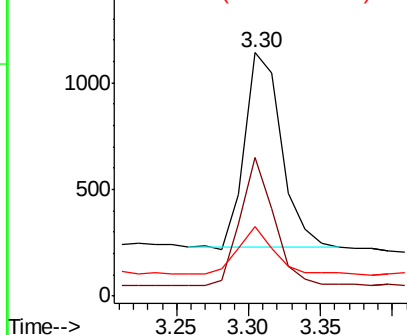
#2

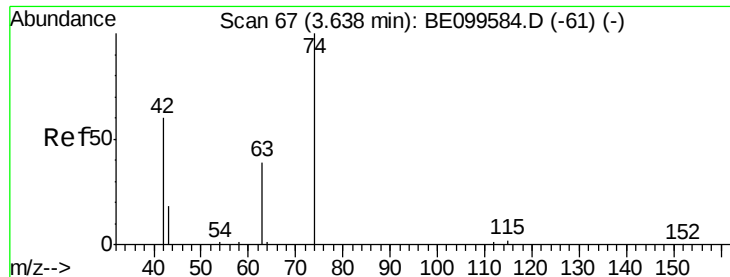
1,4-Dioxane  
Concen: 0.769 ng  
RT: 3.30 min Scan# 38  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Tgt Ion: 88 Resp: 1608  
Ion Ratio Lower Upper  
88 100  
58 60.8 41.3 61.9  
43 23.4 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: 0.792 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

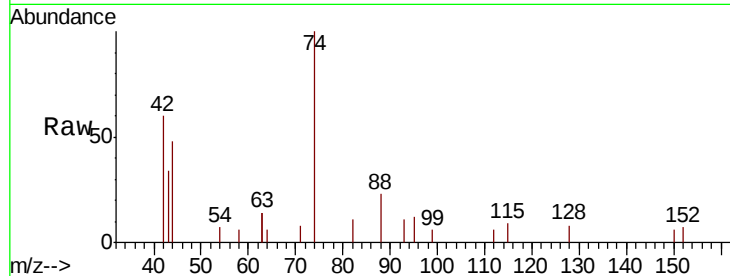
Tot Ion: 42 Resp: 1097

Ion Ratio Lower Upper

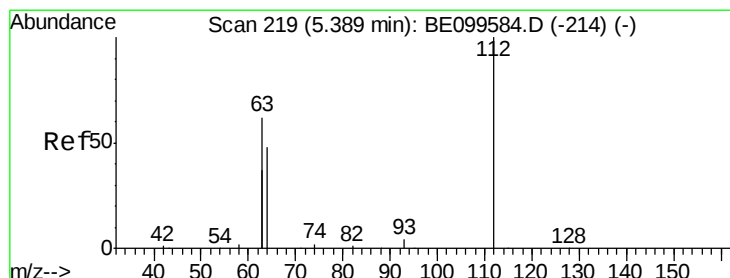
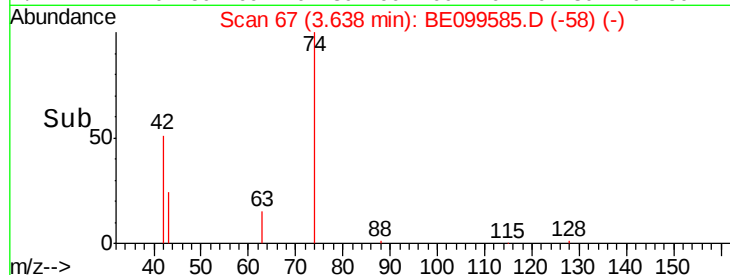
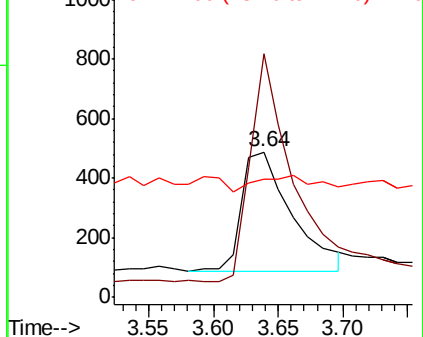
42 100

74 160.1 136.9 205.3

44 0.0 7.1 10.7#



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: 0.826 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

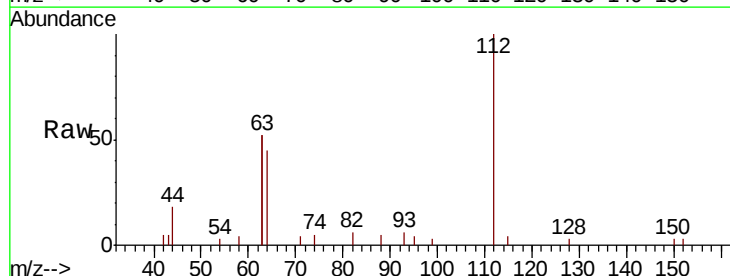
Tgt Ion: 112 Resp: 3392

Ion Ratio Lower Upper

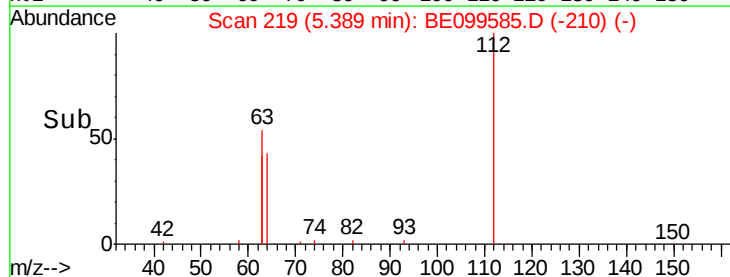
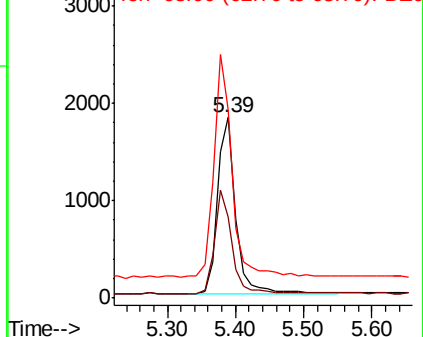
112 100

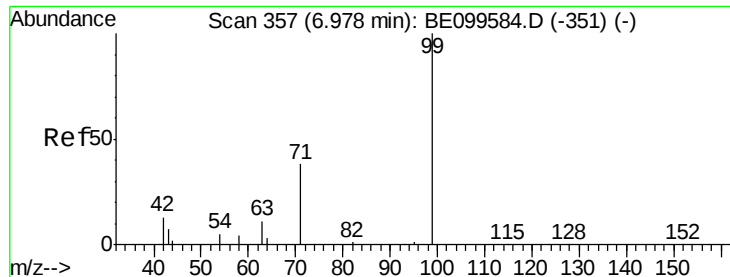
64 55.7 46.2 69.4

63 127.7 100.2 150.4



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: 0.834 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

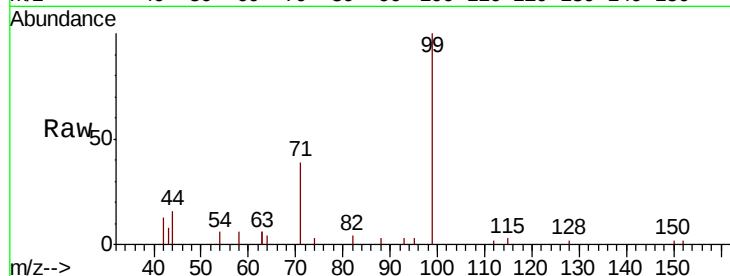
Tot Ion: 99 Resp: 4508

Ion Ratio Lower Upper

99 100

42 15.4 13.8 20.8

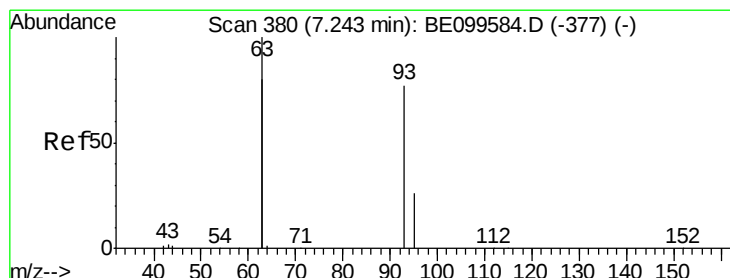
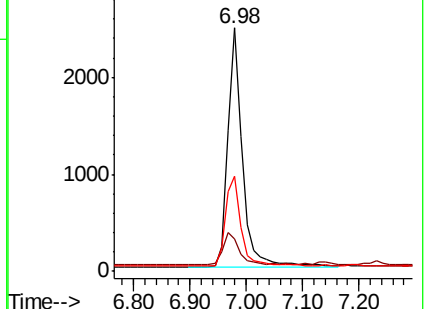
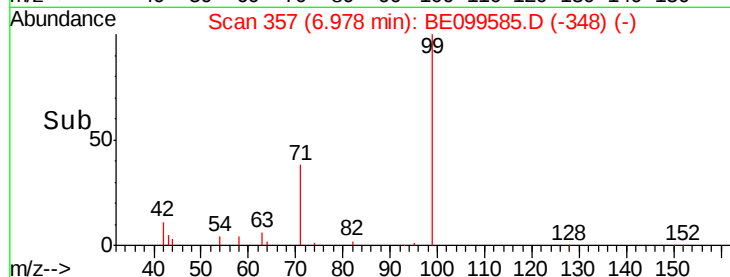
71 40.5 32.2 48.4



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: 0.821 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

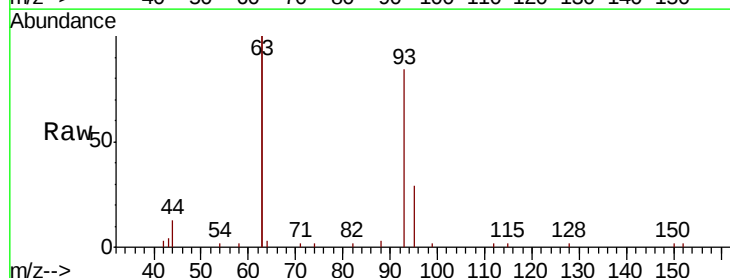
Tgt Ion: 93 Resp: 3697

Ion Ratio Lower Upper

93 100

63 268.7 213.4 320.0

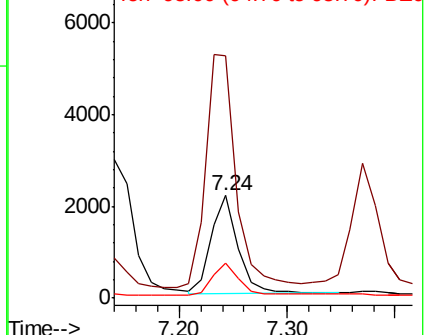
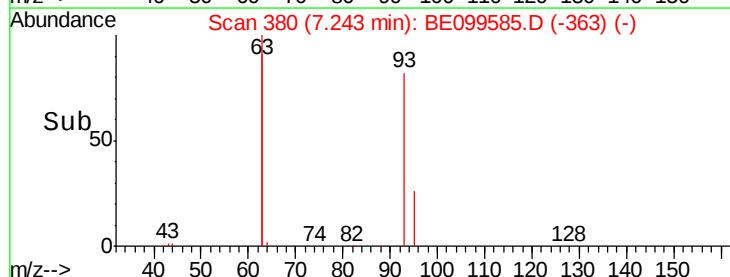
95 35.2 24.9 37.3

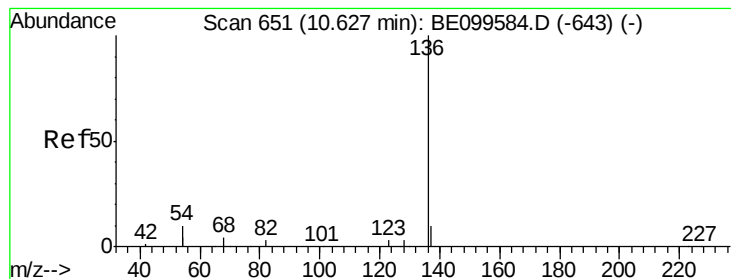


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 5348

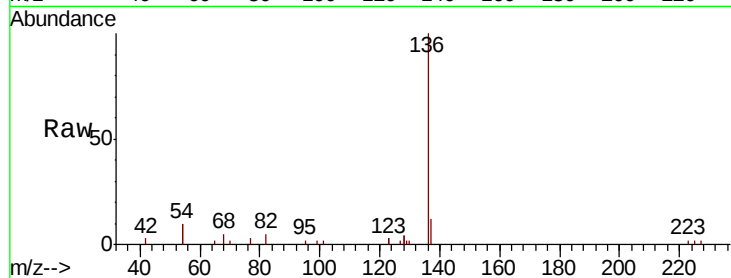
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 20.0 16.5 24.7

68 5.4 4.5 6.7

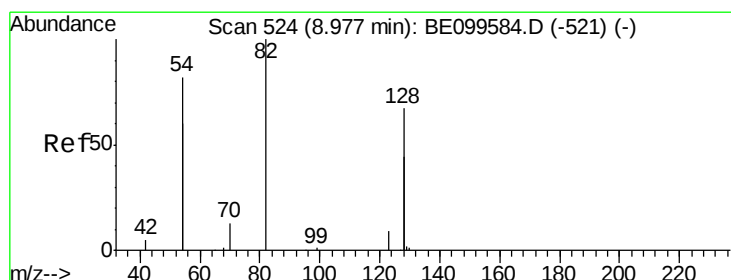
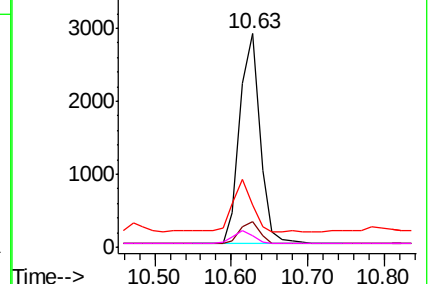
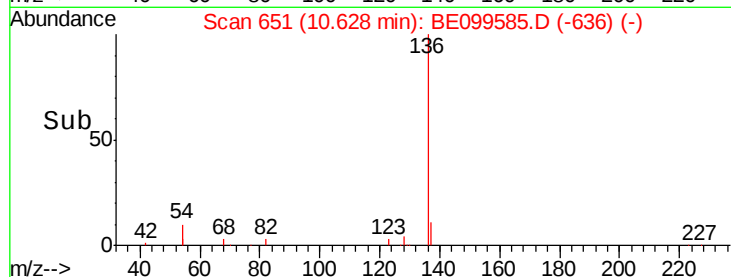


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.823 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

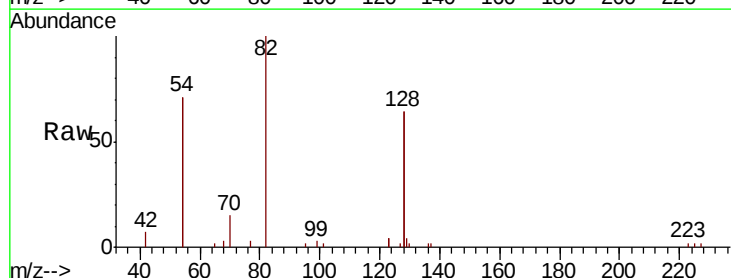
Tgt Ion: 82 Resp: 4242

Ion Ratio Lower Upper

82 100

128 128.1 101.5 152.3

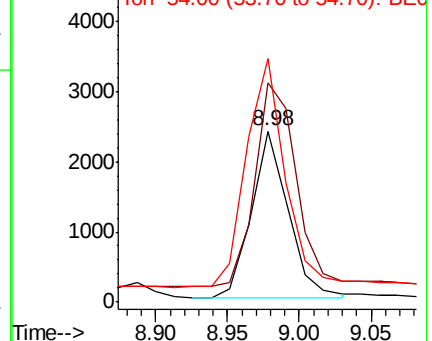
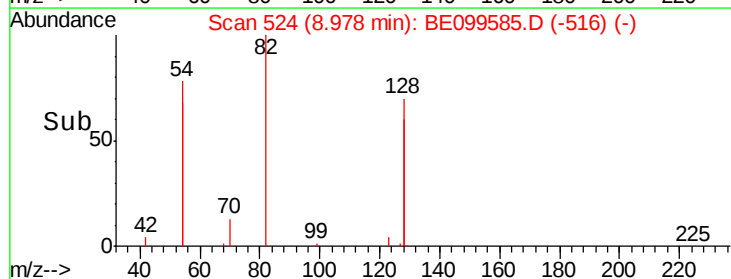
54 142.4 123.8 185.6

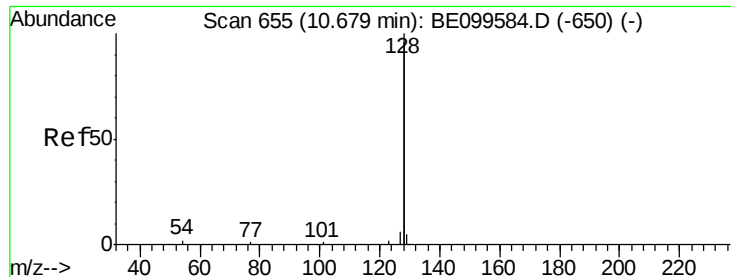


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.842 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

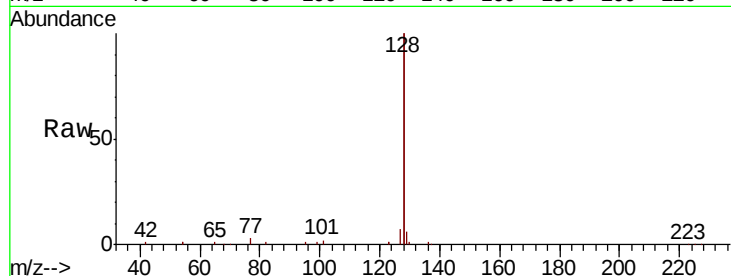
Tot Ion:128 Resp: 47693

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

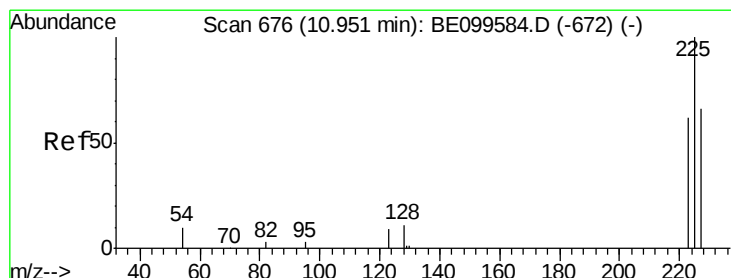
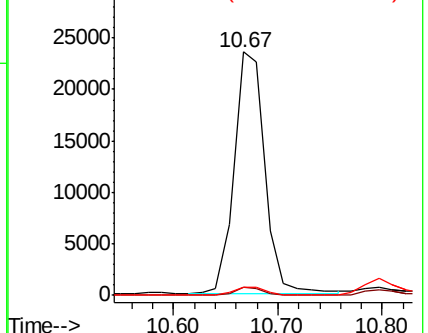
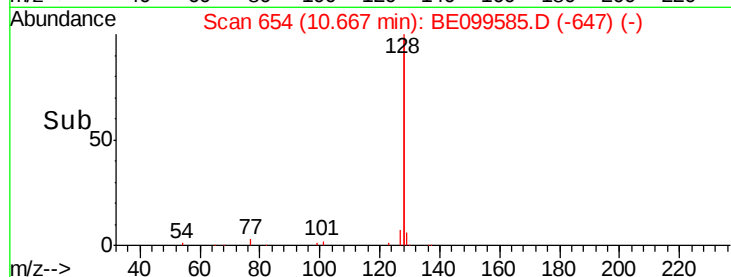
127 3.6 2.8 4.2



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: 0.827 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

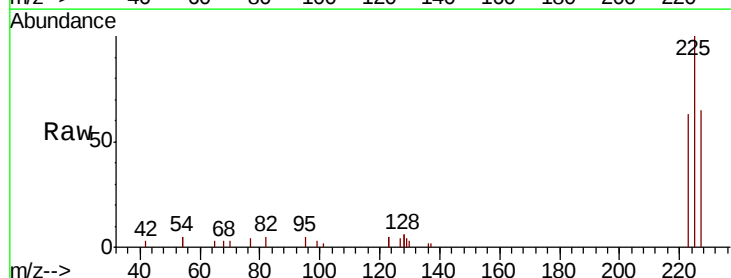
Tgt Ion:225 Resp: 3401

Ion Ratio Lower Upper

225 100

223 63.3 49.6 74.4

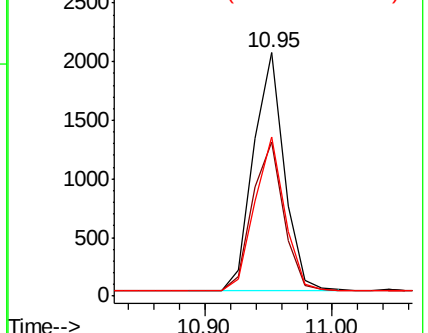
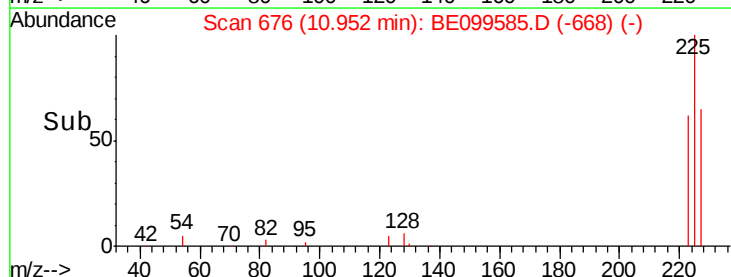
227 63.6 50.1 75.1

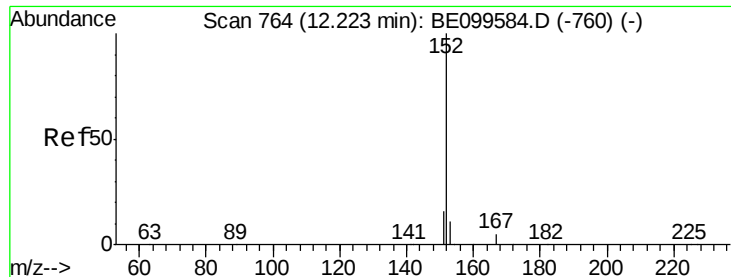


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

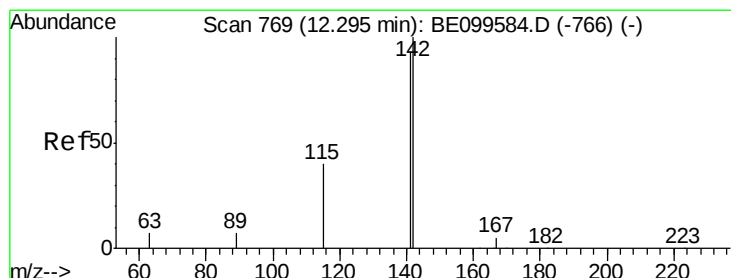
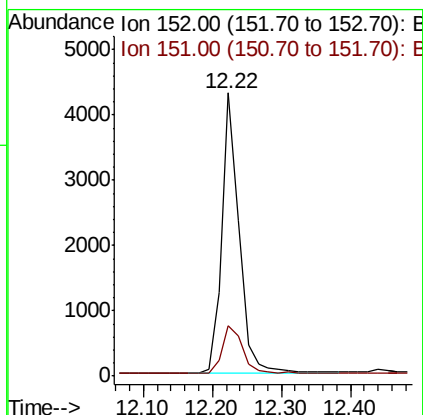
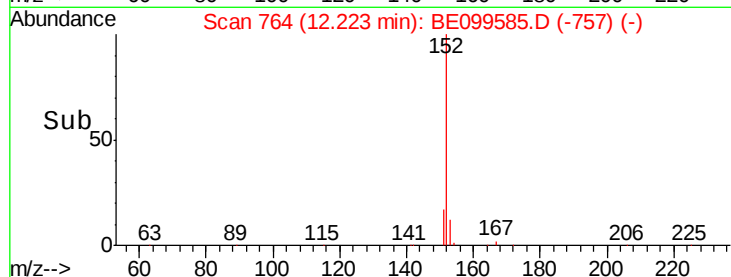
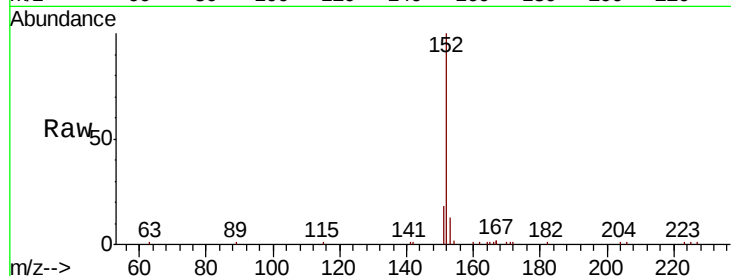




#11  
2-Methylnaphthalene-d10  
Concen: 0.808 ng  
RT: 12.22 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

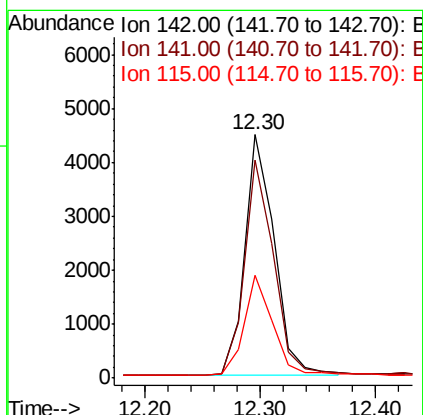
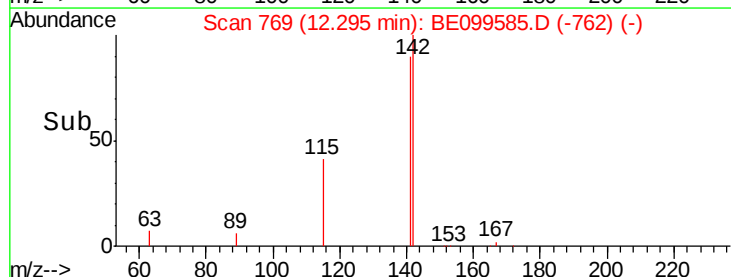
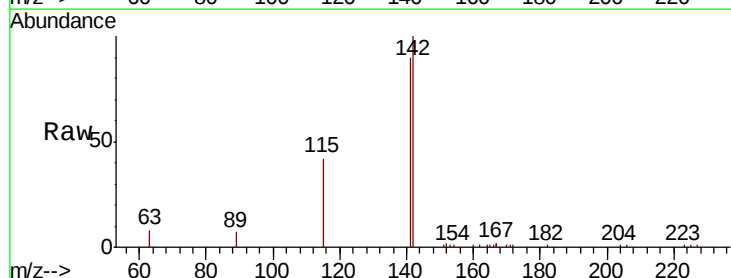
Instrument :  
BNA\_E  
ClientSampleId :

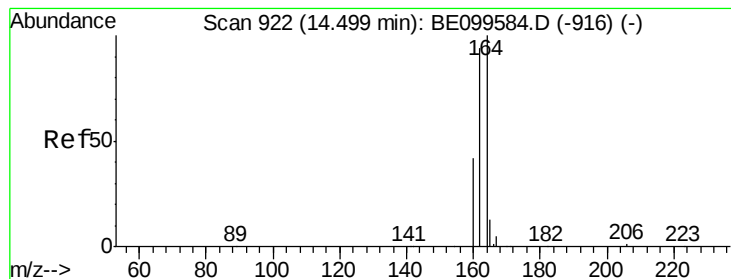
Tot Ion:152 Resp: 7527  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2



#12  
2-Methylnaphthalene  
Concen: 0.821 ng  
RT: 12.30 min Scan# 769  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Tgt Ion:142 Resp: 7879  
Ion Ratio Lower Upper  
142 100  
141 89.8 75.0 112.4  
115 42.1 33.7 50.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

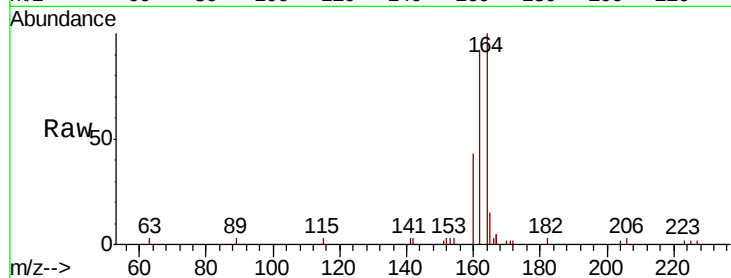
Tot Ion:164 Resp: 3602

Ion Ratio Lower Upper

164 100

162 91.6 75.3 112.9

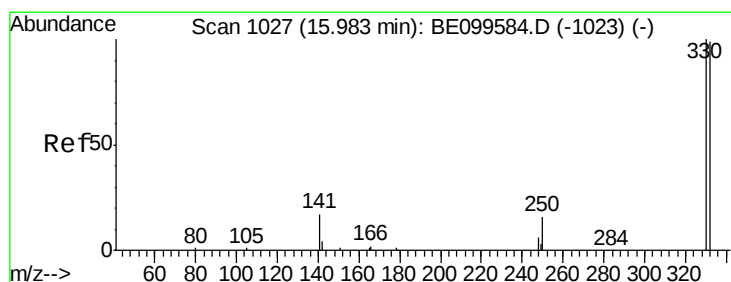
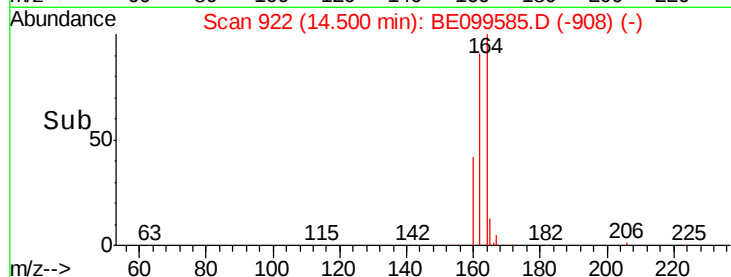
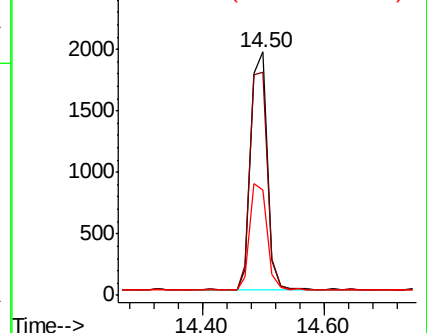
160 43.2 34.7 52.1



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: 0.743 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

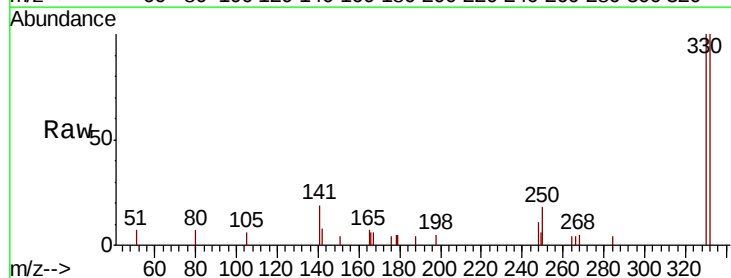
Tgt Ion:330 Resp: 1783

Ion Ratio Lower Upper

330 100

332 97.6 78.7 118.1

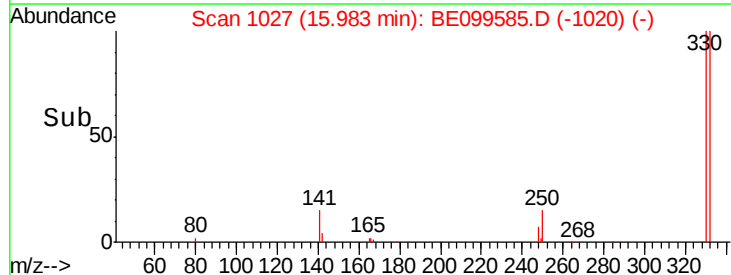
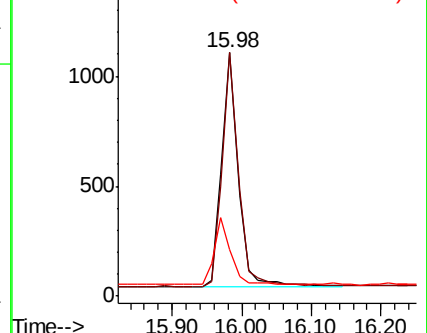
141 27.6 22.3 33.5

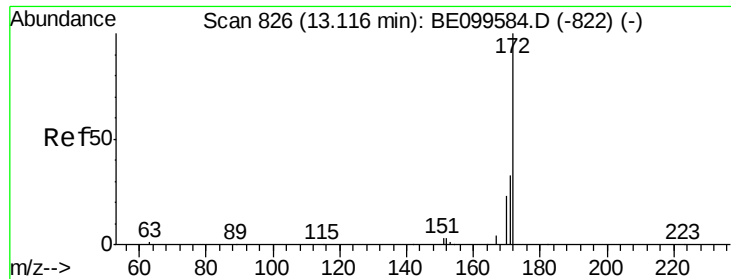


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

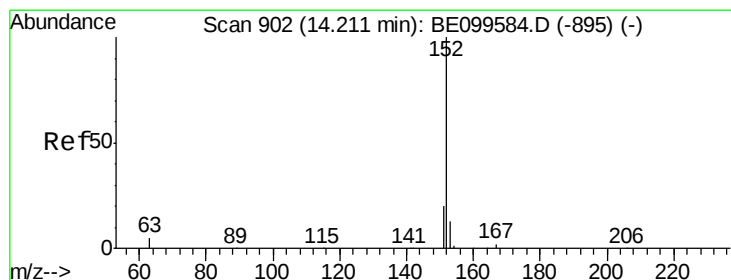
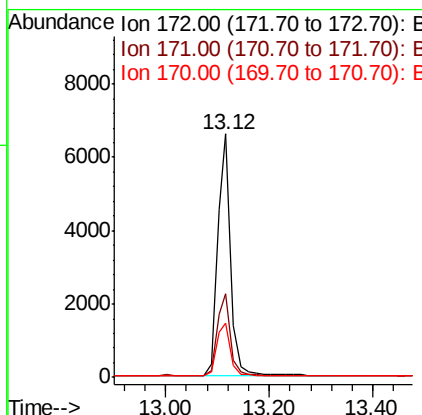
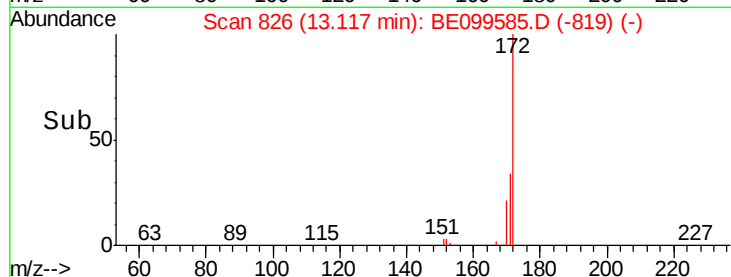
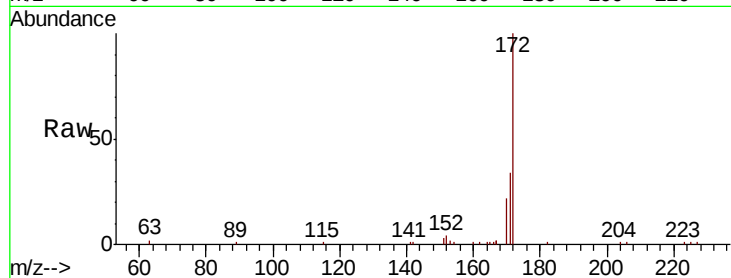




#15  
2-Fluorobiphenyl  
Concen: 0.853 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

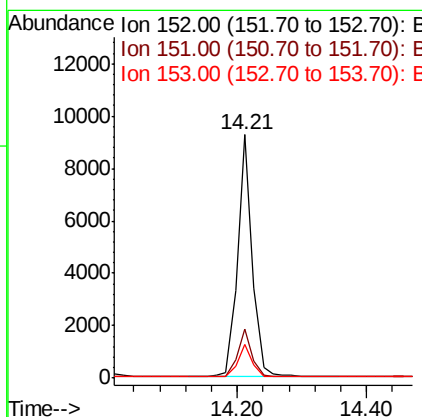
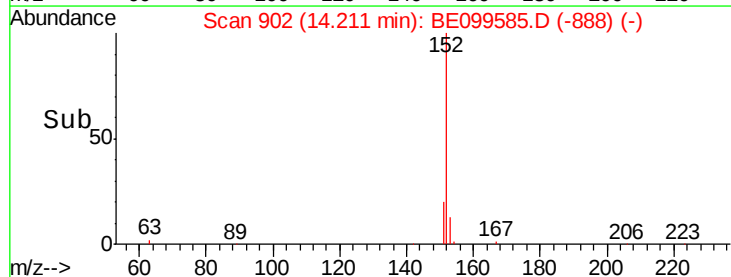
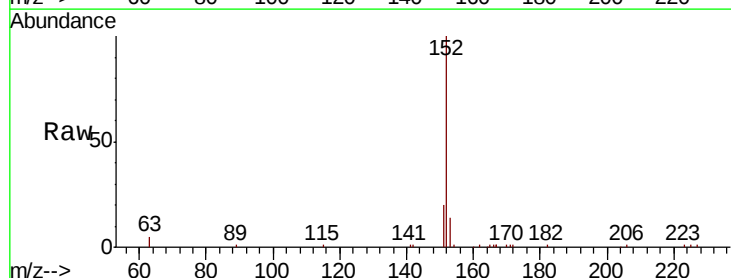
Instrument :  
BNA\_E  
ClientSampleId :

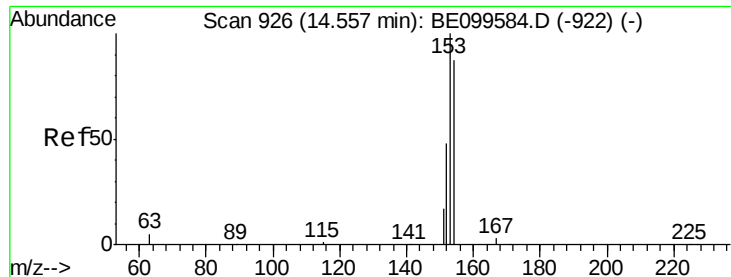
Tot Ion:172 Resp: 11642  
Ion Ratio Lower Upper  
172 100  
171 34.5 27.5 41.3  
170 22.1 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.837 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Tgt Ion:152 Resp: 14539  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.5 23.3  
153 12.9 10.2 15.4





#17

Acenaphthene

Concen: 0.833 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

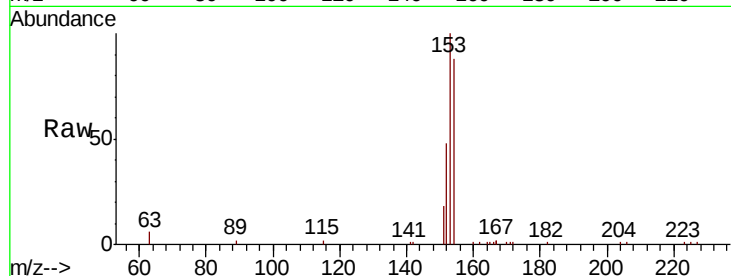
Tot Ion:154 Resp: 8089

Ion Ratio Lower Upper

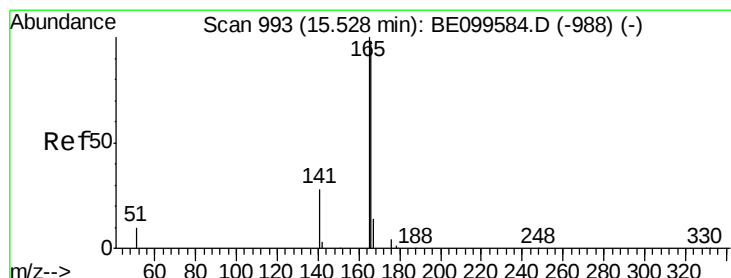
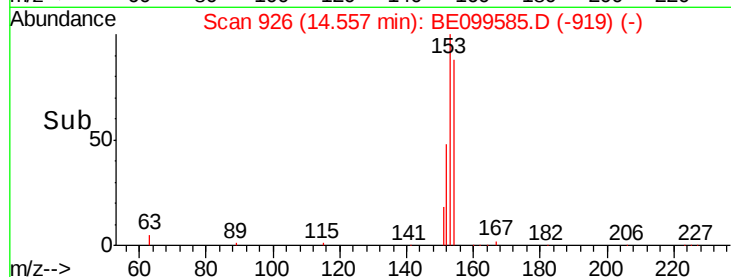
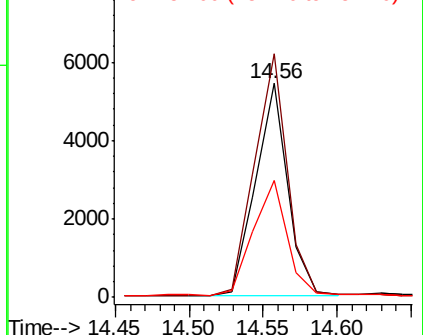
154 100

153 115.6 92.9 139.3

152 56.6 46.3 69.5



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: 0.835 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

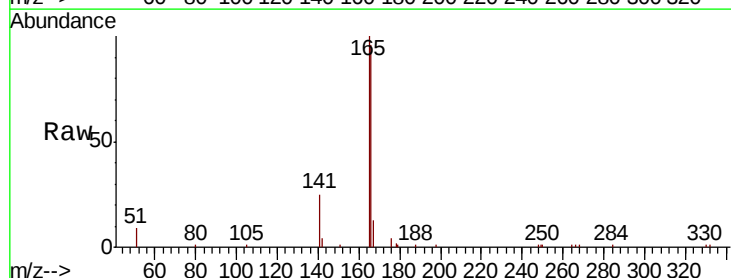
Tgt Ion:166 Resp: 11574

Ion Ratio Lower Upper

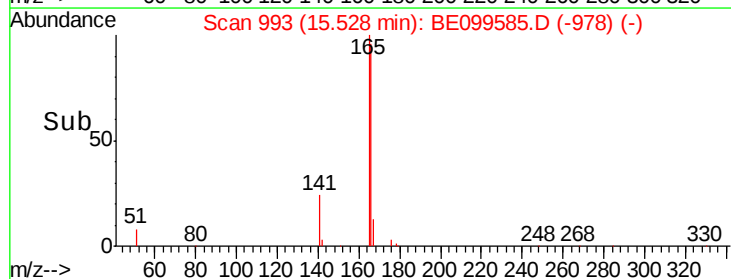
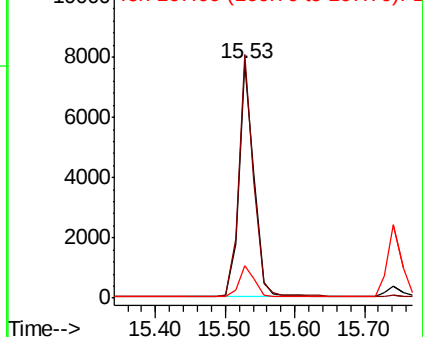
166 100

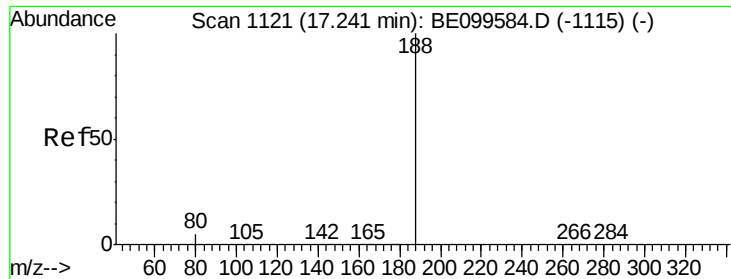
165 101.5 80.5 120.7

167 14.0 11.6 17.4



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: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

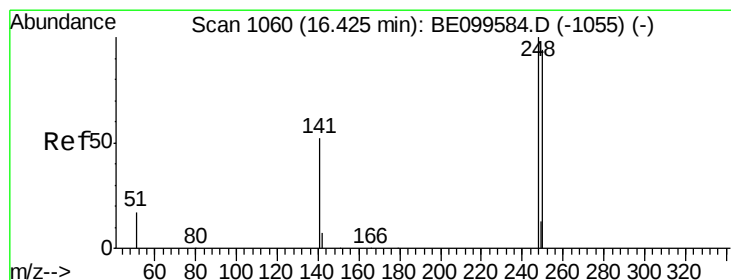
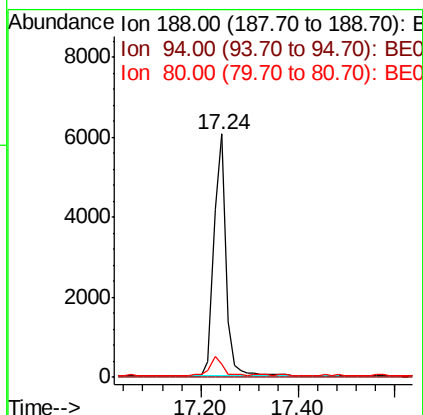
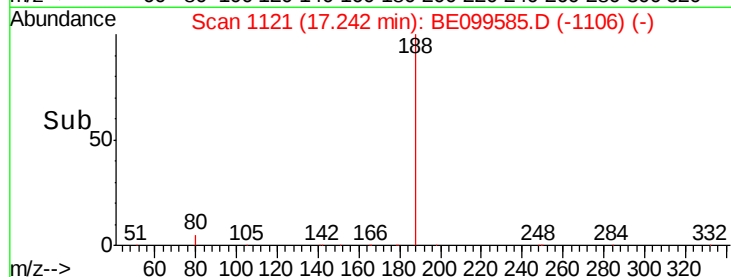
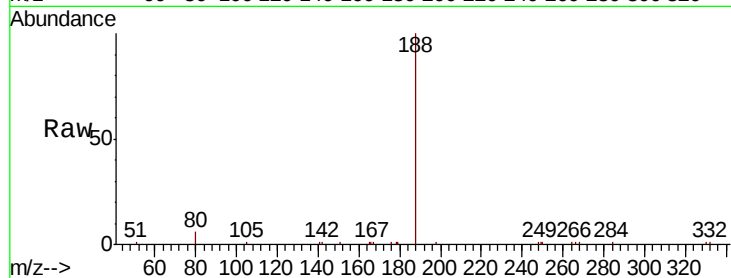
Tot Ion:188 Resp: 10096

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.5 4.4 6.6



#20

4-Bromophenyl-phenylether

Concen: 0.830 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

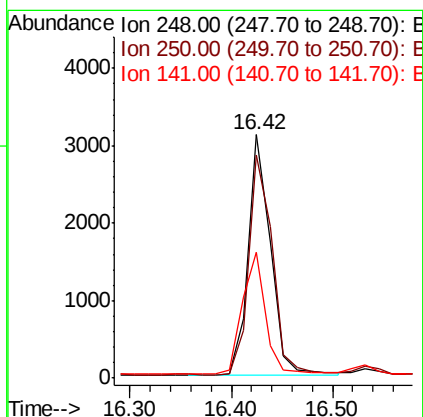
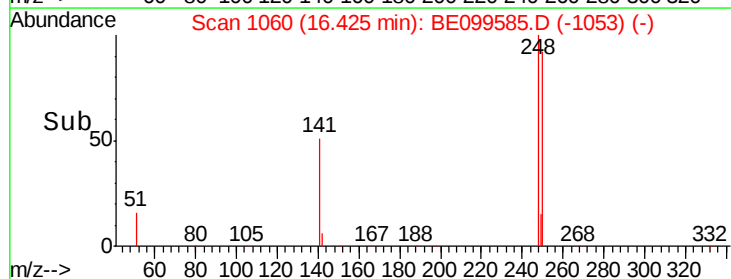
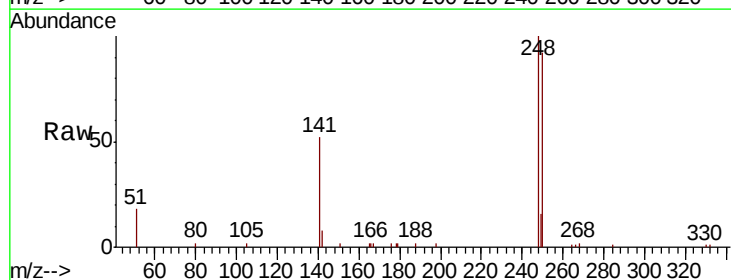
Tgt Ion:248 Resp: 4760

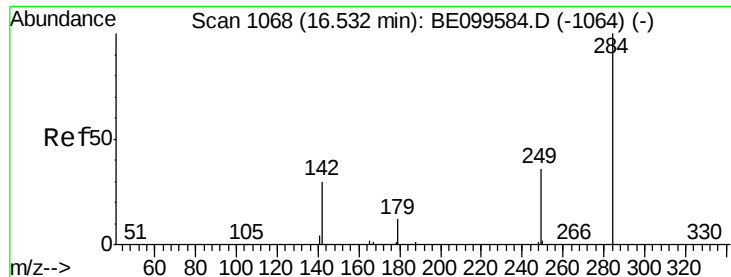
Ion Ratio Lower Upper

248 100

250 91.7 75.7 113.5

141 51.8 42.9 64.3





#21

Hexachlorobenzene

Concen: 0.845 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

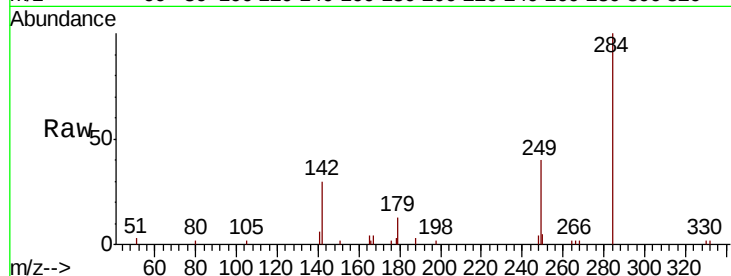
Tot Ion:284 Resp: 4822

Ion Ratio Lower Upper

284 100

142 25.3 20.6 30.8

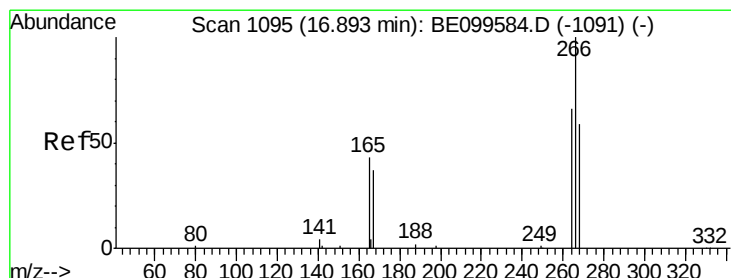
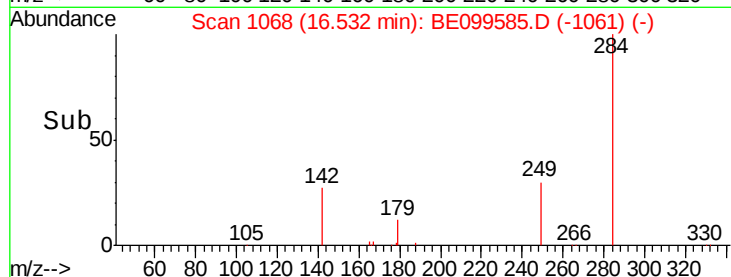
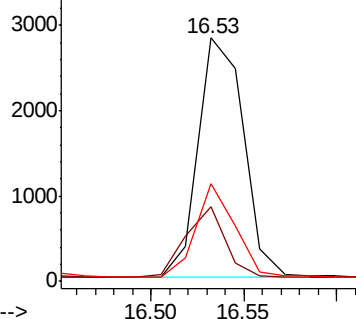
249 33.1 25.8 38.6



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: 0.749 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

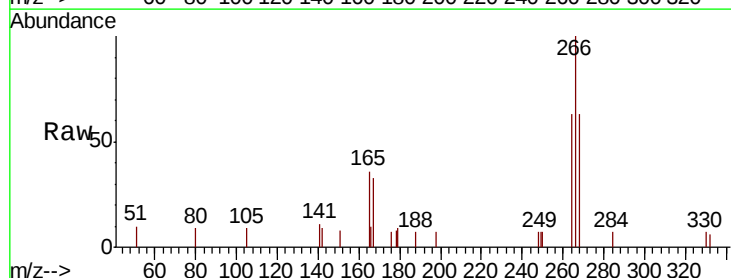
Tgt Ion:266 Resp: 1759

Ion Ratio Lower Upper

266 100

264 62.6 57.3 85.9

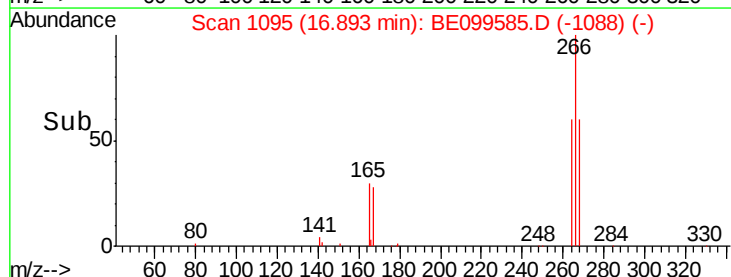
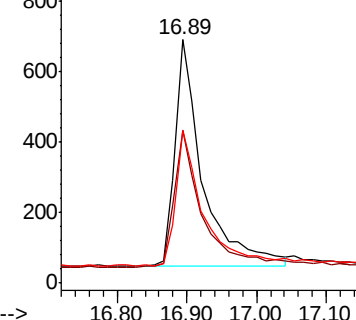
268 62.9 53.5 80.3

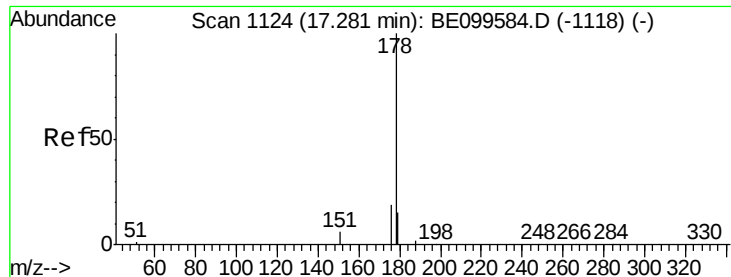


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.845 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

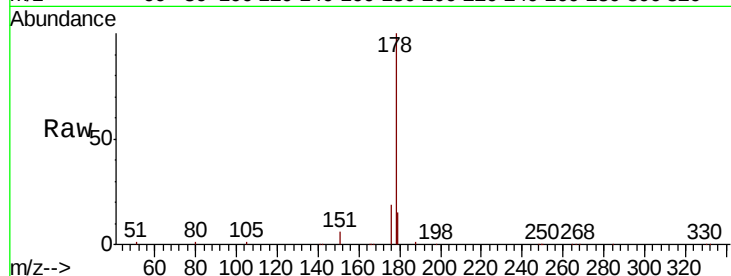
Tot Ion:178 Resp: 21019

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

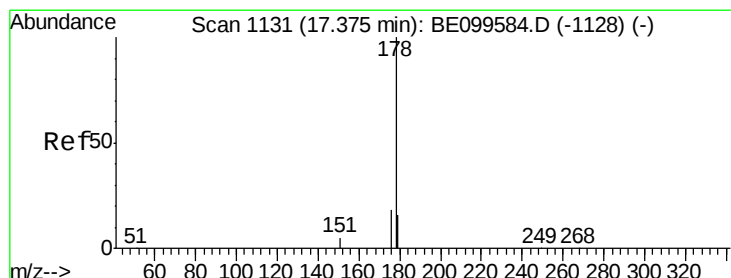
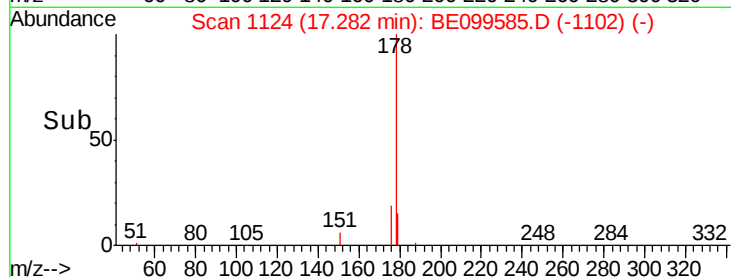
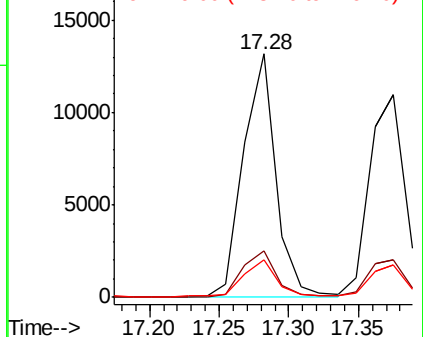
179 15.3 12.2 18.2



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: 0.816 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

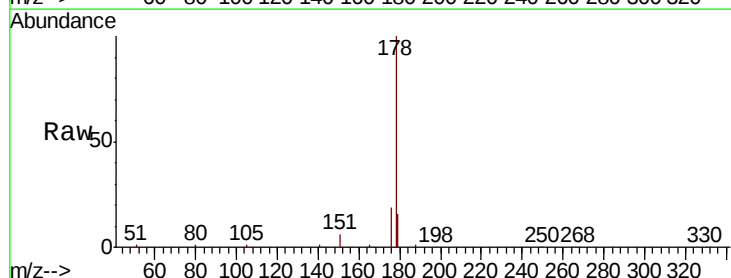
Tgt Ion:178 Resp: 19518

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

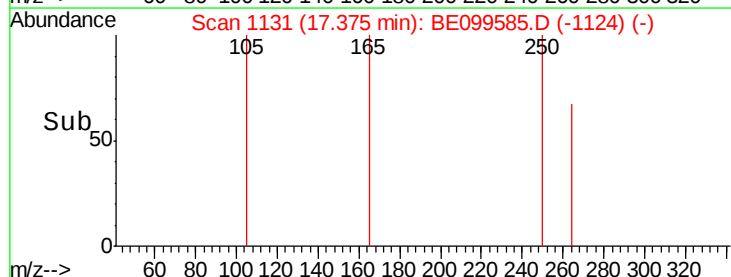
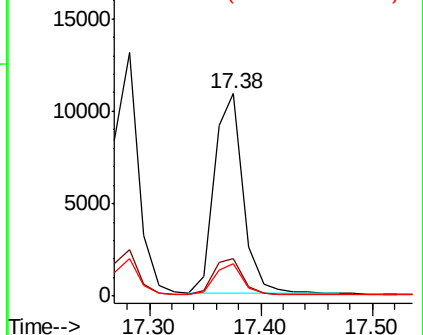
179 15.4 12.3 18.5

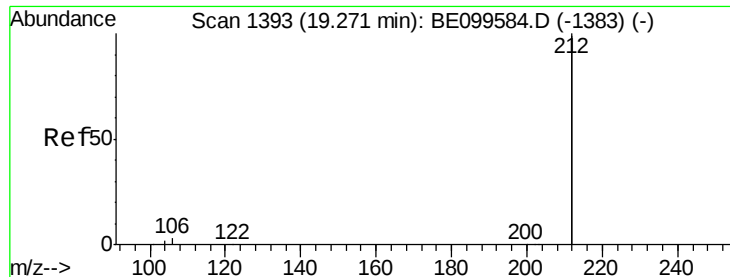


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.815 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

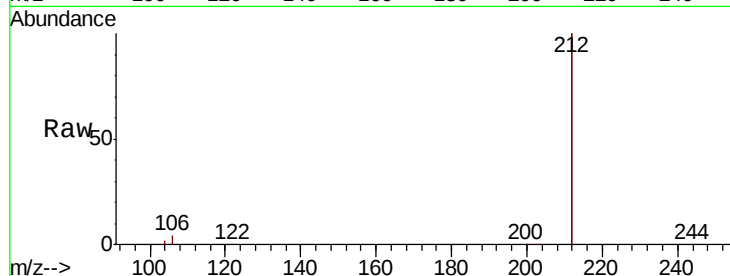
Tot Ion:212 Resp: 110738

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

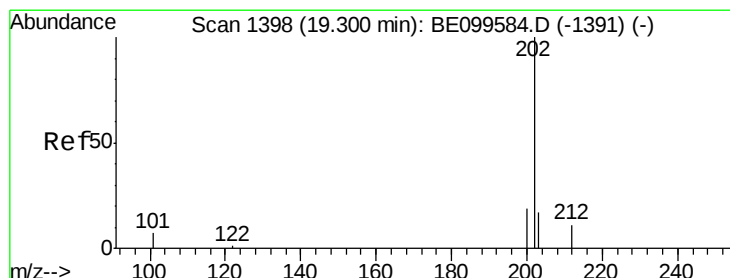
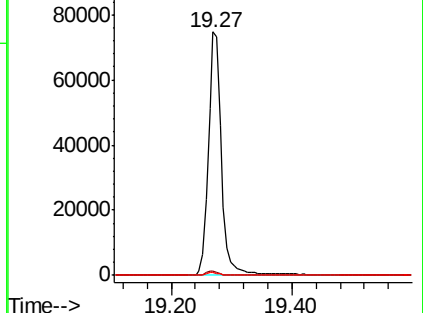
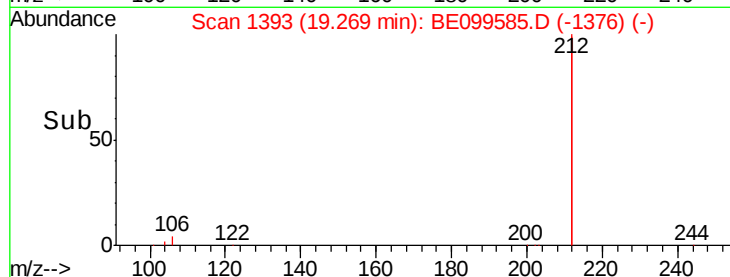
104 1.0 0.9 1.3



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: 0.823 ng

RT: 19.30 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

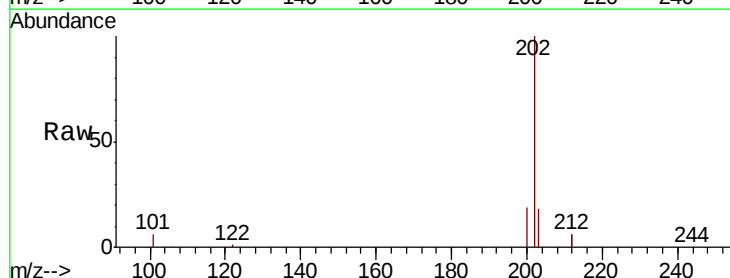
Tgt Ion:202 Resp: 31547

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.2

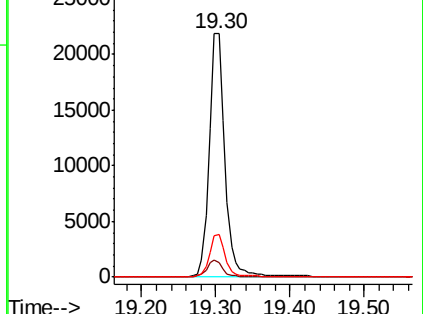
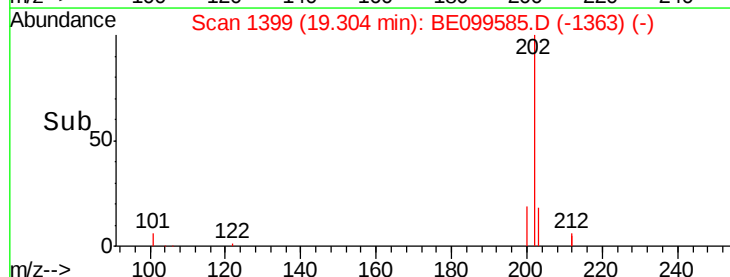
203 17.0 13.7 20.5

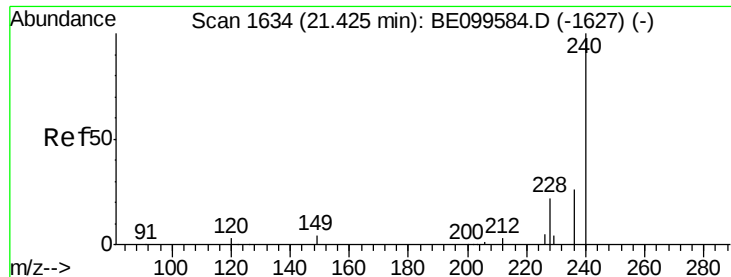


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

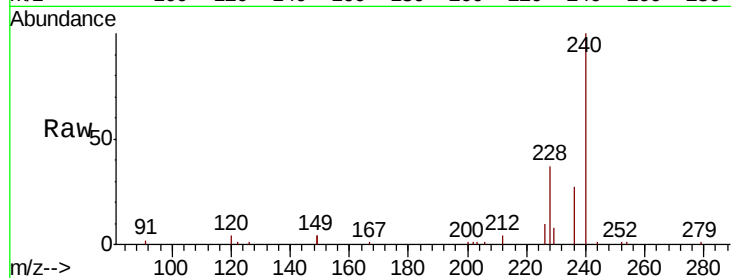




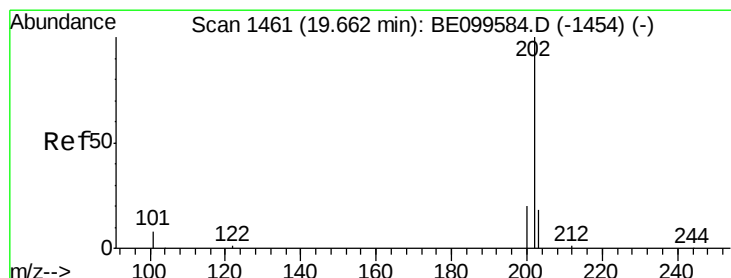
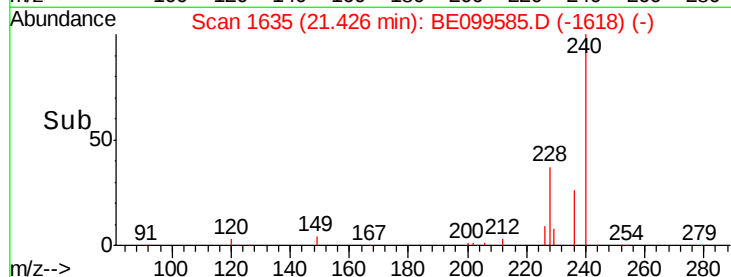
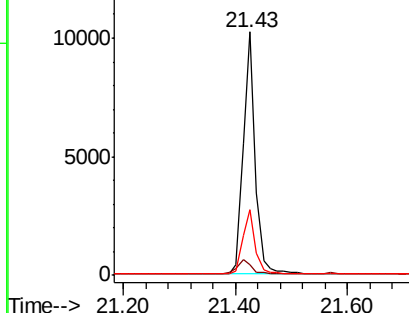
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.43 min Scan# 1635  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:240 Resp: 15175  
Ion Ratio Lower Upper  
240 100  
120 4.2 3.2 4.8  
236 26.9 21.0 31.6

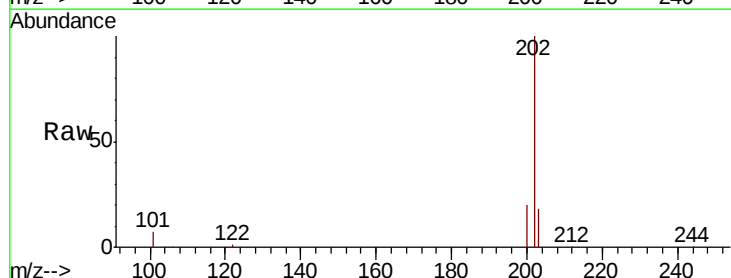


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

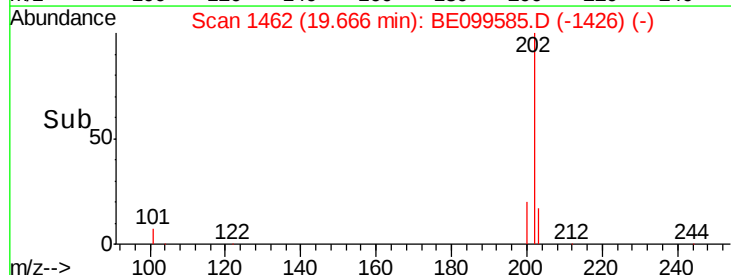
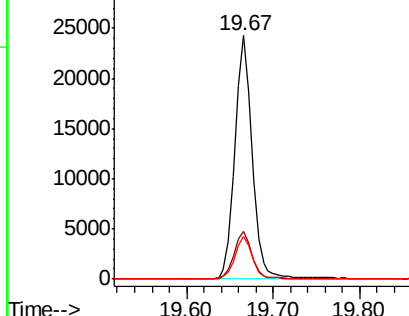


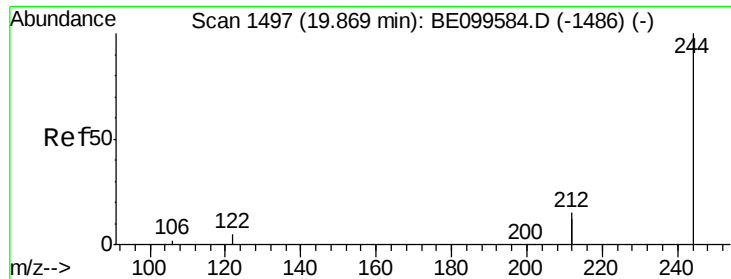
#28  
Pyrene  
Concen: 0.808 ng  
RT: 19.67 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Tgt Ion:202 Resp: 32858  
Ion Ratio Lower Upper  
202 100  
200 19.7 15.9 23.9  
203 17.3 14.1 21.1



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: 0.782 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampled :

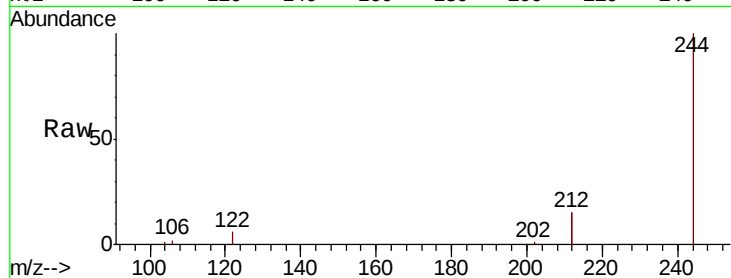
Tot Ion:244 Resp: 21981

Ion Ratio Lower Upper

244 100

212 29.5 24.4 36.6

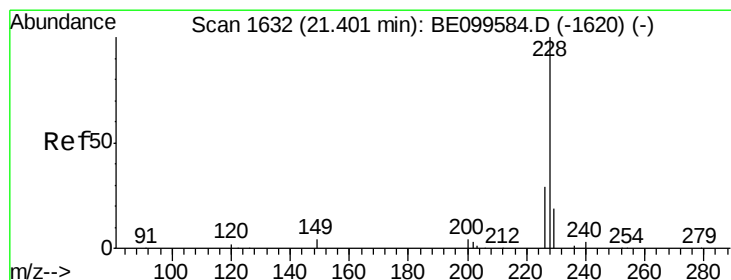
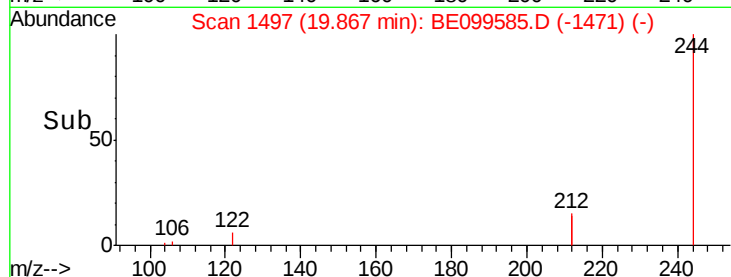
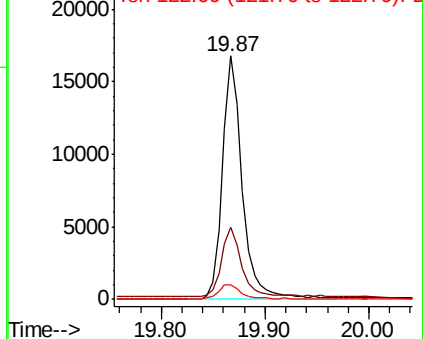
122 6.0 4.6 6.8



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: 0.811 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

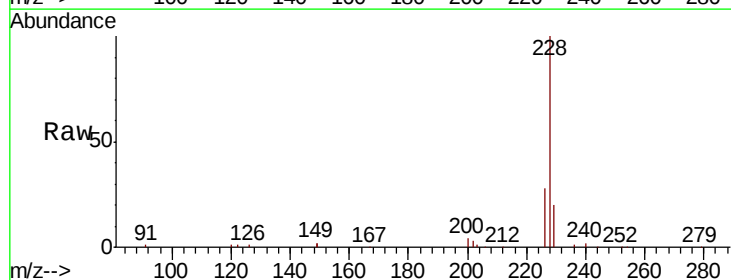
Tgt Ion:228 Resp: 38124

Ion Ratio Lower Upper

228 100

226 27.8 23.3 34.9

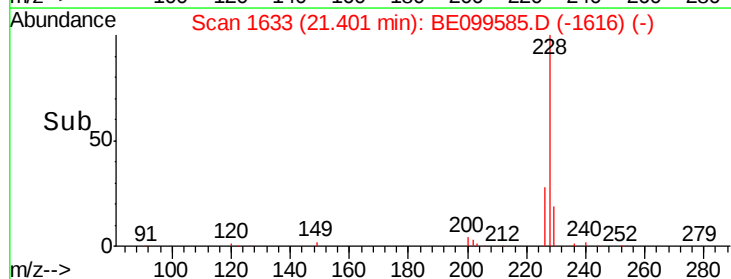
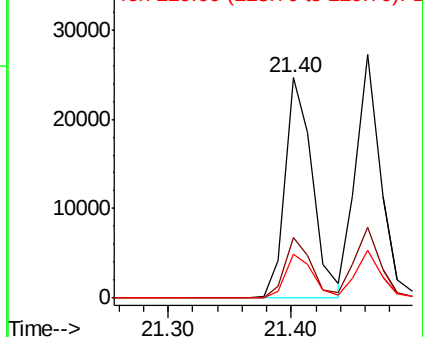
229 19.7 15.5 23.3

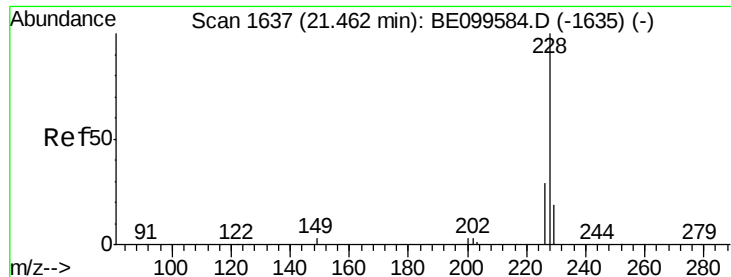


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.817 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

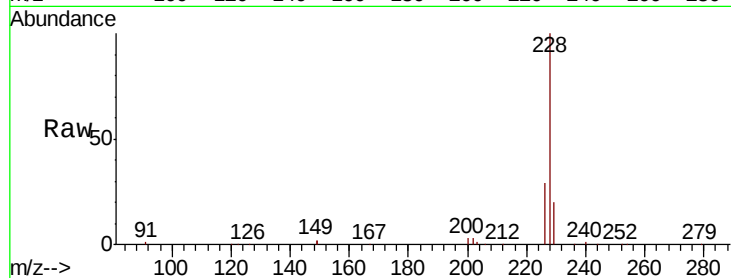
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:228 Resp: 37900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.3  | 23.2  | 34.8  |
| 229 | 19.8  | 15.6  | 23.4  |

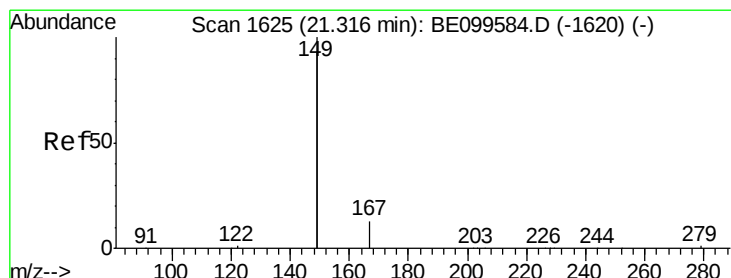
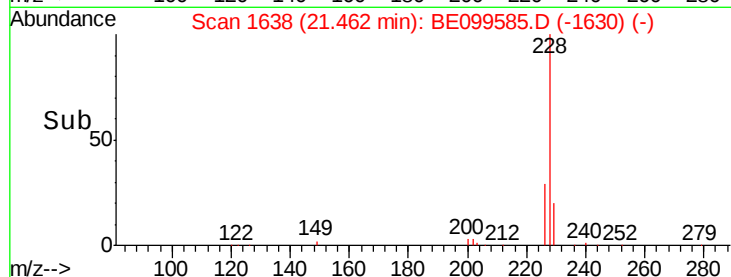
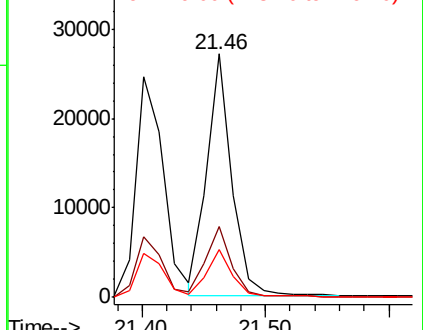


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.706 ng

RT: 21.32 min Scan# 1626

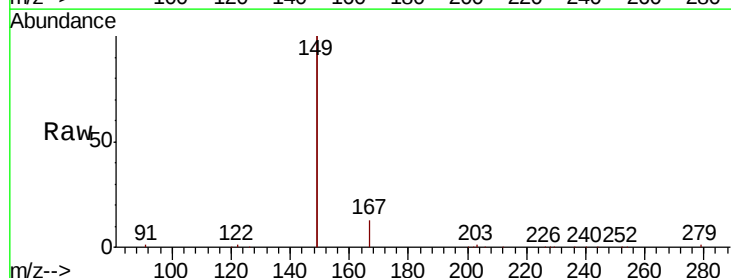
Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Tgt Ion:149 Resp: 52629

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 7.3   | 6.0   | 9.0   |
| 279 | 1.3   | 1.1   | 1.7   |

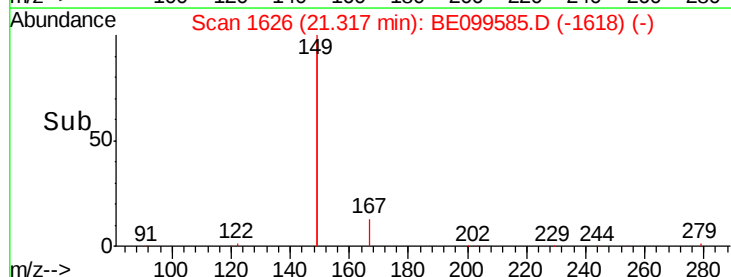
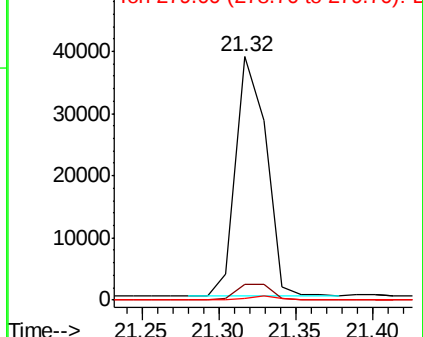


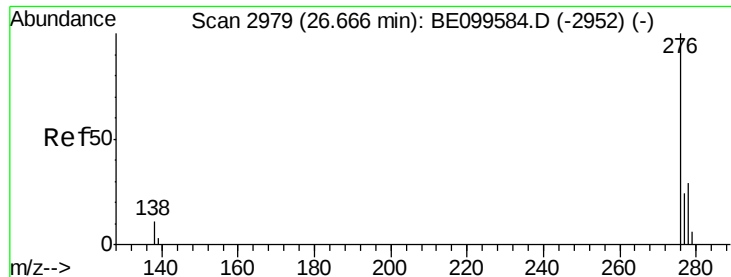
Abundance

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

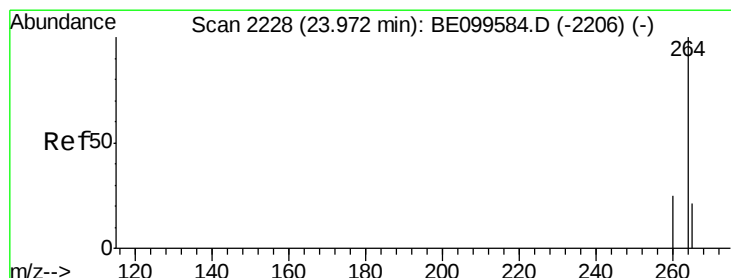
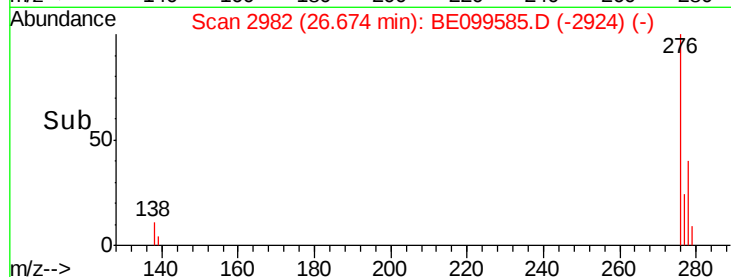
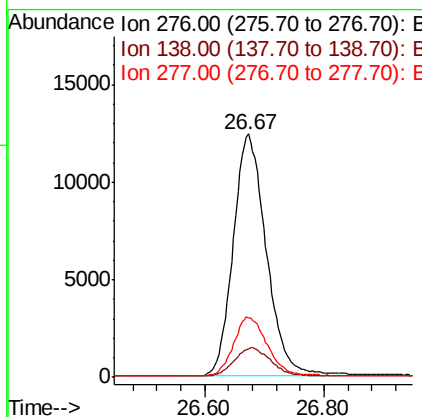
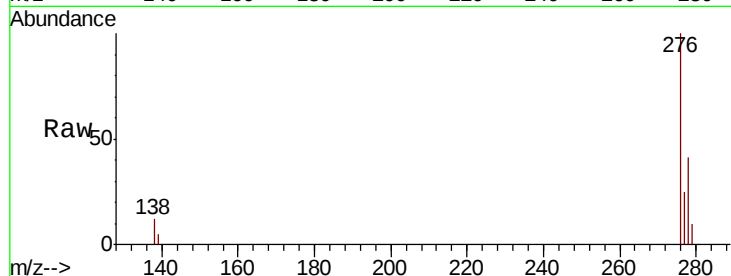




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.865 ng  
 RT: 26.67 min Scan# 2982  
 Delta R.T. 0.01 min  
 Lab File: BE099585.D  
 Acq: 9 May 2019 11:08

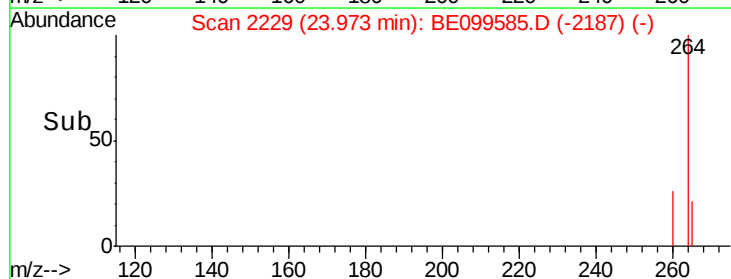
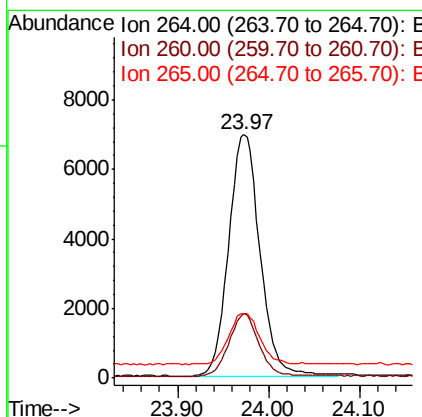
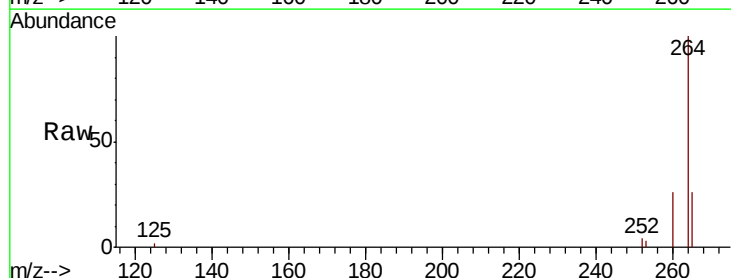
Instrument :  
 BNA\_E  
 ClientSampleId :

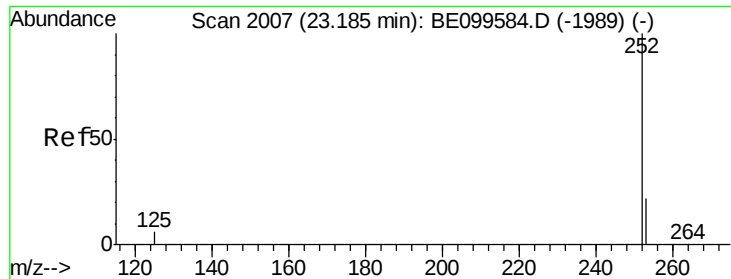
Tot Ion:276 Resp: 47665  
 Ion Ratio Lower Upper  
 276 100  
 138 12.7 10.2 15.2  
 277 24.8 19.8 29.8



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.97 min Scan# 2229  
 Delta R.T. 0.00 min  
 Lab File: BE099585.D  
 Acq: 9 May 2019 11:08

Tgt Ion:264 Resp: 16588  
 Ion Ratio Lower Upper  
 264 100  
 260 26.4 20.3 30.5  
 265 26.3 20.9 31.3





#35

Benzo(b)fluoranthene

Concen: 0.842 ng

RT: 23.19 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

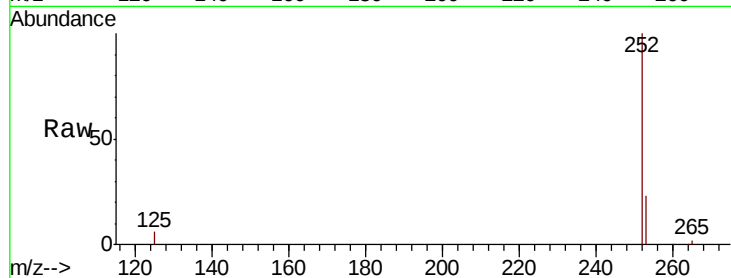
Tot Ion:252 Resp: 38548

Ion Ratio Lower Upper

252 100

253 22.8 18.6 28.0

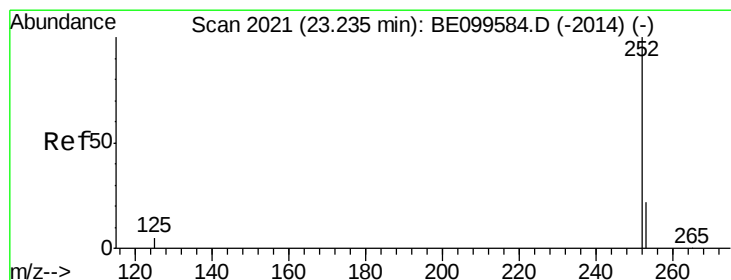
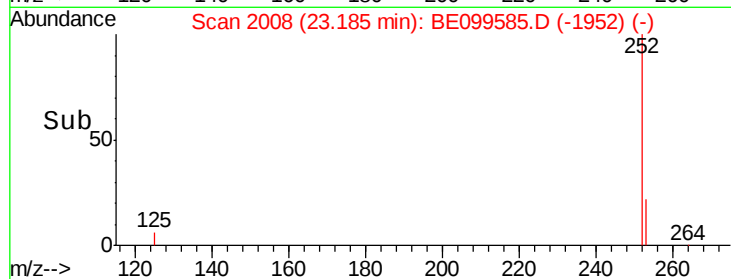
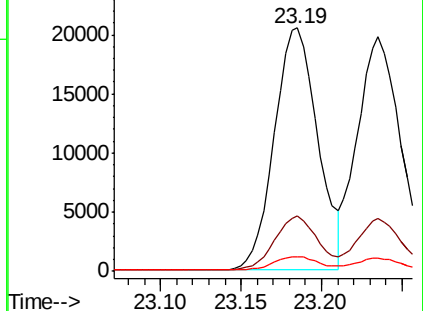
125 6.2 6.0 9.0



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



#36

Benzo(k)fluoranthene

Concen: 0.850 ng

RT: 23.24 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

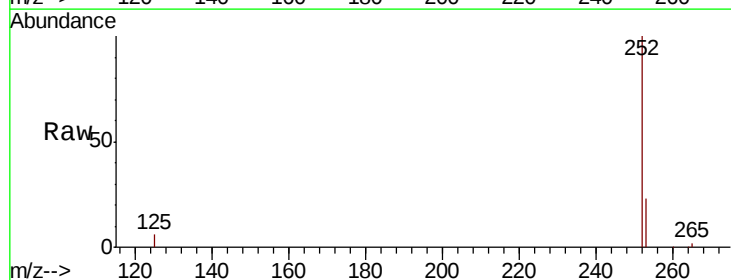
Tgt Ion:252 Resp: 38280

Ion Ratio Lower Upper

252 100

253 22.7 18.7 28.1

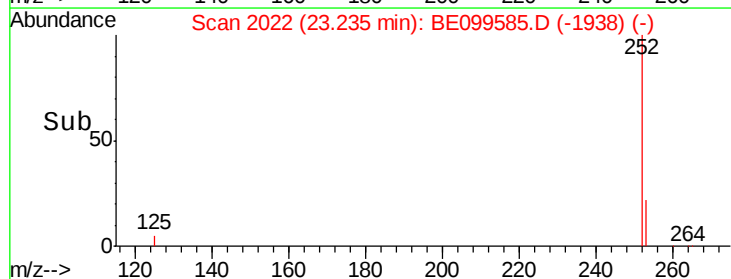
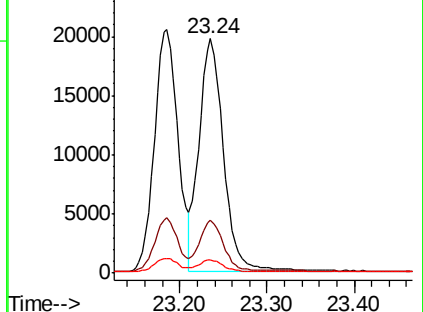
125 5.8 5.1 7.7

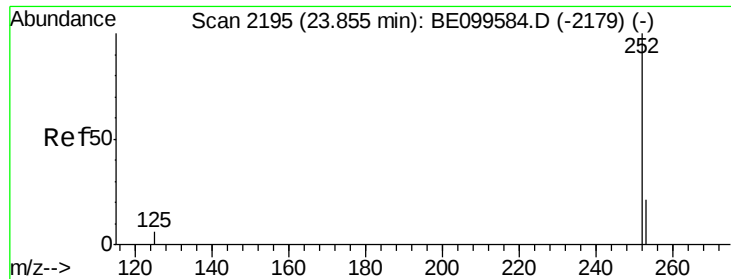


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

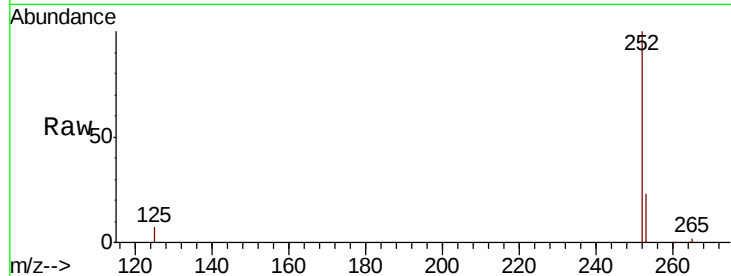




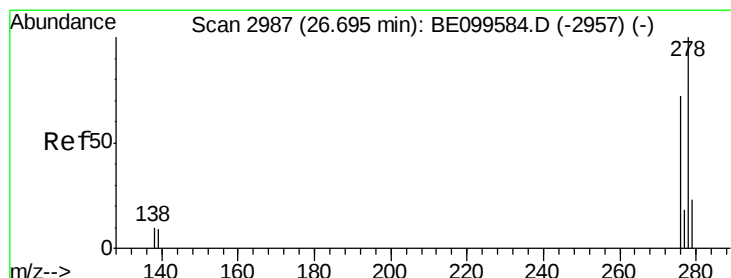
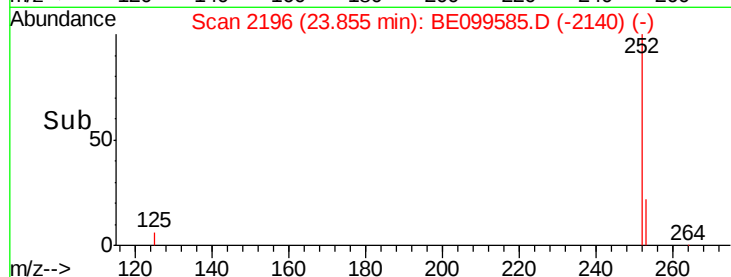
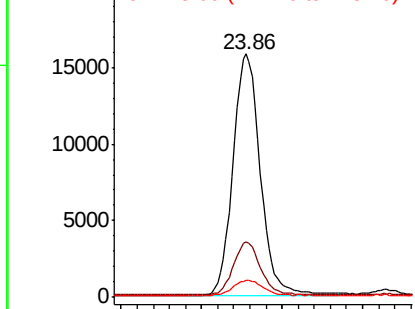
#37  
Benzo(a)pyrene  
Concen: 0.844 ng  
RT: 23.86 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 37255  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.6 27.8  
125 7.2 6.4 9.6

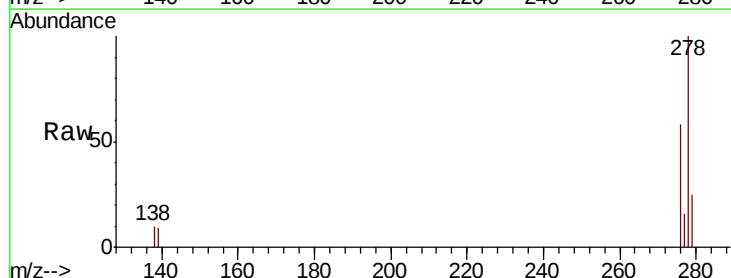


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

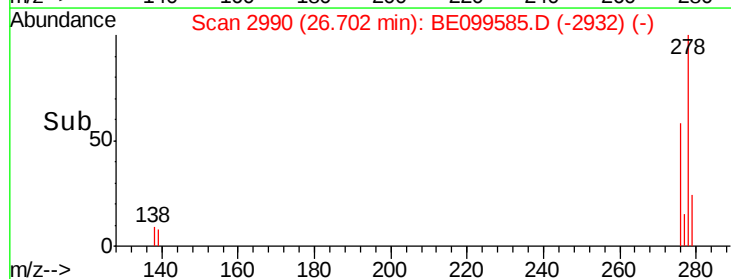
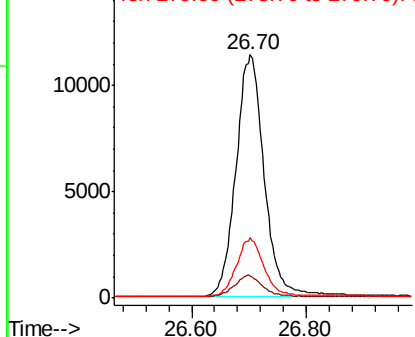


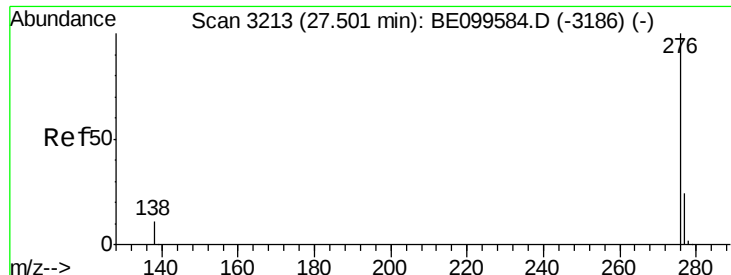
#38  
Dibenzo(a,h)anthracene  
Concen: 0.856 ng  
RT: 26.70 min Scan# 2990  
Delta R.T. 0.01 min  
Lab File: BE099585.D  
Acq: 9 May 2019 11:08

Tgt Ion:278 Resp: 39050  
Ion Ratio Lower Upper  
278 100  
139 9.1 8.3 12.5  
279 25.0 19.4 29.2



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: 0.868 ng

RT: 27.51 min Scan# 3217

Delta R.T. 0.01 min

Lab File: BE099585.D

Acq: 9 May 2019 11:08

Instrument :

BNA\_E

ClientSampleId :

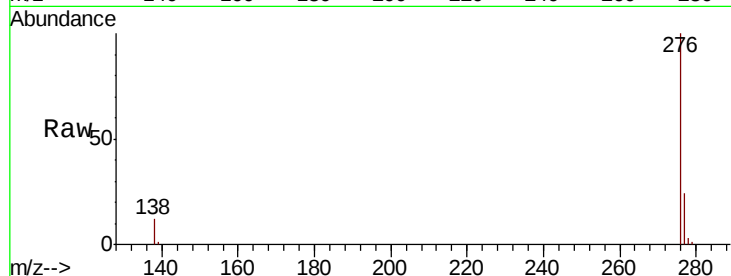
Tot Ion:276 Resp: 39676

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 11.8 9.4 14.2



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

