

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061119\  
 Data File : BE099934.D  
 Acq On : 11 Jun 2019 21:08  
 Operator : JU/SJ  
 Sample : K3255-03  
 Misc : LOQ-WATER-0.2PPM  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE117D2-20190603

Quant Time: Jun 12 03:46:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 14:57:20 2019  
 Response via : Initial Calibration

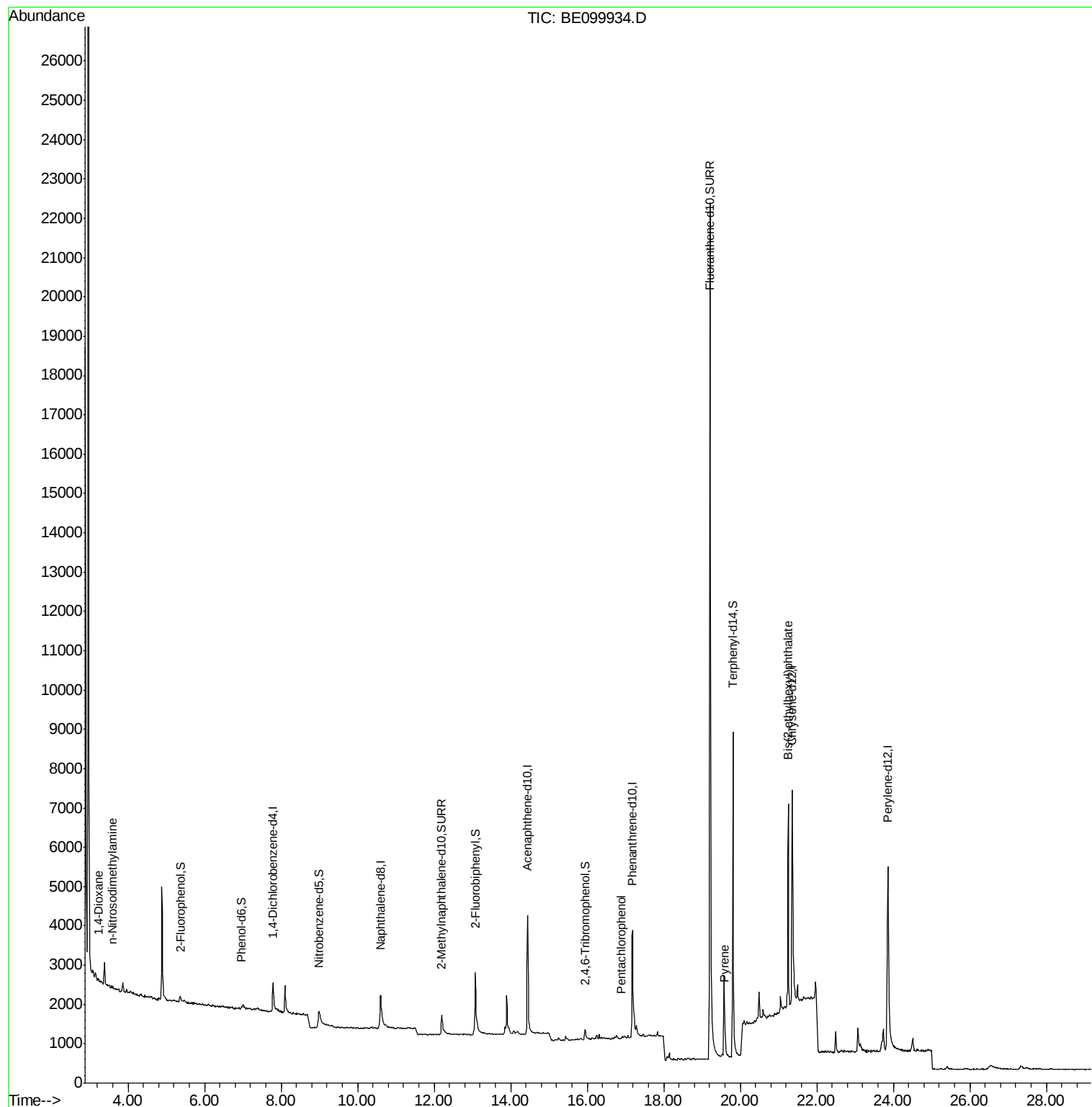
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.78  | 152  | 619      | 0.40  | ng    | -0.01          |
| 7) Naphthalene-d8              | 10.60 | 136  | 2150     | 0.40  | ng    | 0.00           |
| 13) Acenaphthene-d10           | 14.44 | 164  | 1994     | 0.40  | ng    | -0.03          |
| 19) Phenanthrene-d10           | 17.19 | 188  | 6255     | 0.40  | ng    | -0.03          |
| 27) Chrysene-d12               | 21.35 | 240  | 8762     | 0.40  | ng    | -0.05          |
| 34) Perylene-d12               | 23.86 | 264  | 9744     | 0.40  | ng    | -0.07          |
| System Monitoring Compounds    |       |      |          |       |       |                |
| 4) 2-Fluorophenol              | 5.37  | 112  | 207      | 0.12  | ng    | 0.01           |
| 5) Phenol-d6                   | 6.97  | 99   | 133      | 0.06  | ng    | 0.00           |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 613      | 0.30  | ng    | 0.01           |
| 11) 2-Methylnaphthalene-d10    | 12.19 | 152  | 1395     | 0.37  | ng    | -0.01          |
| 14) 2,4,6-Tribromophenol       | 15.94 | 330  | 332      | 0.23  | ng    | -0.03          |
| 15) 2-Fluorobiphenyl           | 13.07 | 172  | 2660     | 0.35  | ng    | -0.03          |
| 25) Fluoranthene-d10           | 19.21 | 212  | 37064    | 0.41  | ng    | -0.05          |
| 29) Terphenyl-d14              | 19.80 | 244  | 9855     | 0.62  | ng    | -0.05          |
| Target Compounds               |       |      |          |       |       |                |
| 2) 1,4-Dioxane                 | 3.23  | 88   | 48       | 0.052 | ng    | Qvalue<br># 29 |
| 3) n-Nitrosodimethylamine      | 3.59  | 42   | 21       | 0.040 | ng    | # 100          |
| 22) Pentachlorophenol          | 16.89 | 266  | 27       | 0.315 | ng    | 83             |
| 28) Pyrene                     | 19.60 | 202  | 580      | 0.025 | ng    | # 89           |
| 32) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 7276     | 0.194 | ng    | 99             |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.78 min Scan# 427

Delta R.T. -0.01 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

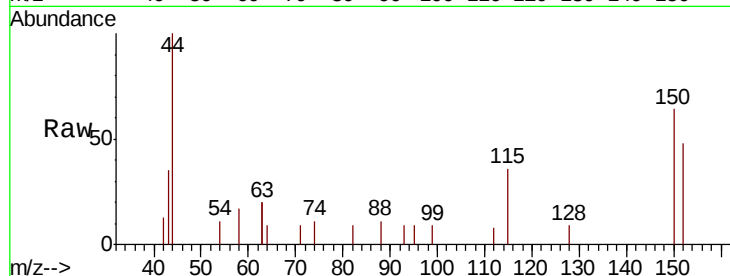
Tgt Ion: 152 Resp: 619

Ion Ratio Lower Upper

152 100

150 133.6 111.0 166.6

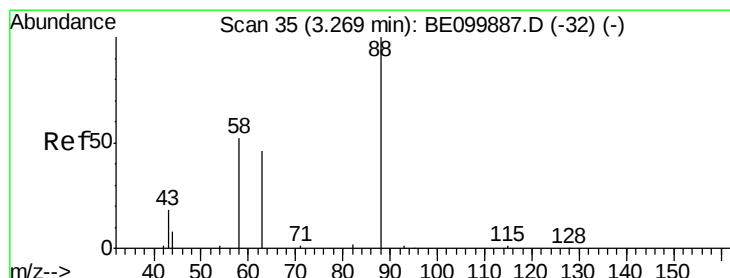
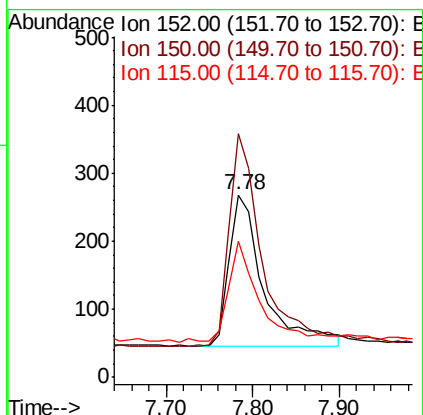
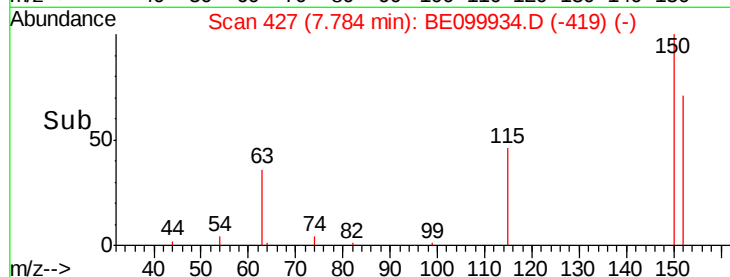
115 74.3 50.7 76.1



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: 0.052 ng

RT: 3.23 min Scan# 32

Delta R.T. -0.04 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

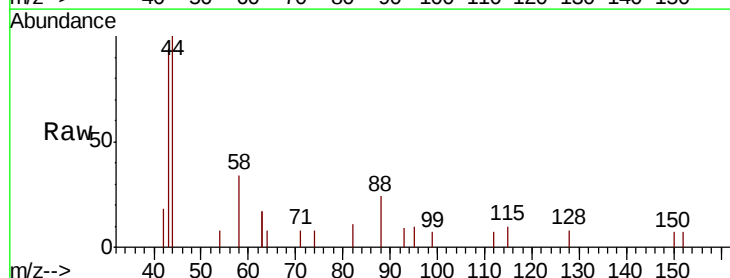
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

58 0.0 48.8 73.2#

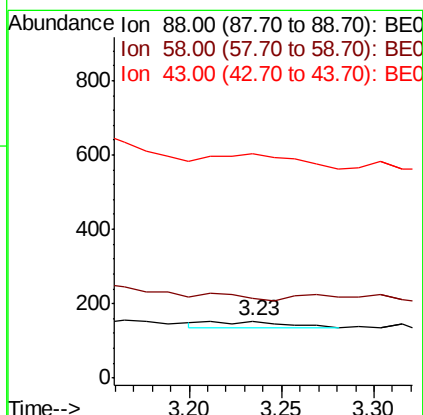
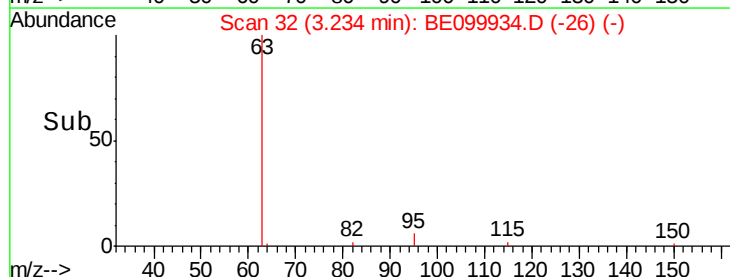
43 0.0 19.0 28.6#



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: 0.040 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.01 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

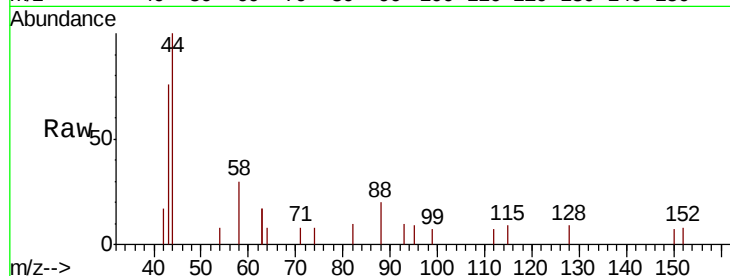
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 38.1 0.0 0.0#

44 81.0 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

800

600

400

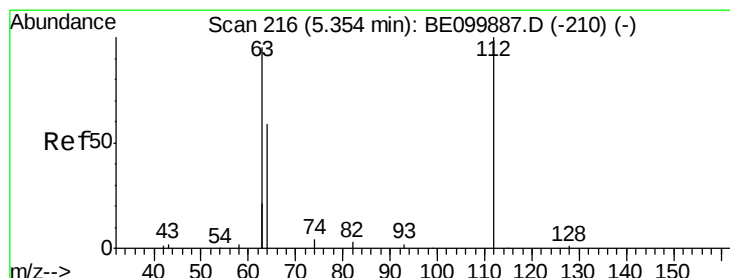
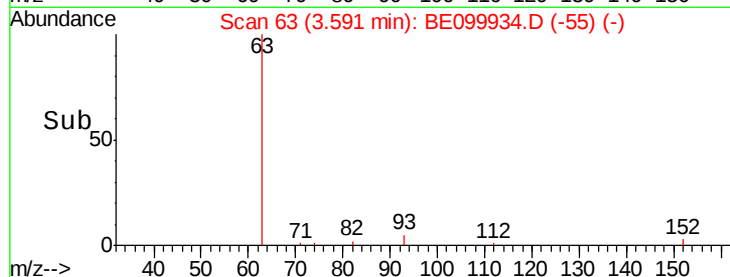
200

0

3.55 3.60 3.65

3.59

Time-->



#4

2-Fluorophenol

Concen: 0.124 ng

RT: 5.37 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

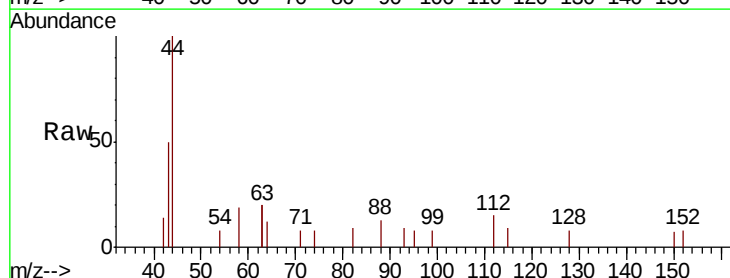
Tgt Ion: 112 Resp: 207

Ion Ratio Lower Upper

112 100

64 47.8 44.1 66.1

63 118.4 87.8 131.6



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

300

200

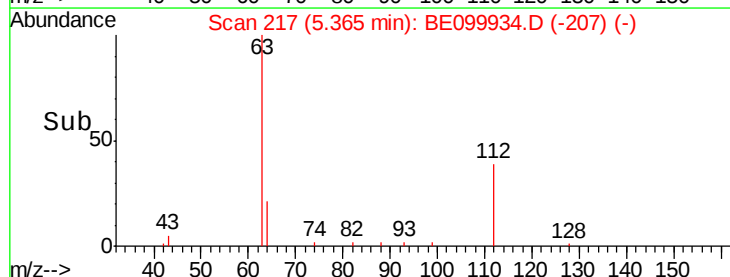
100

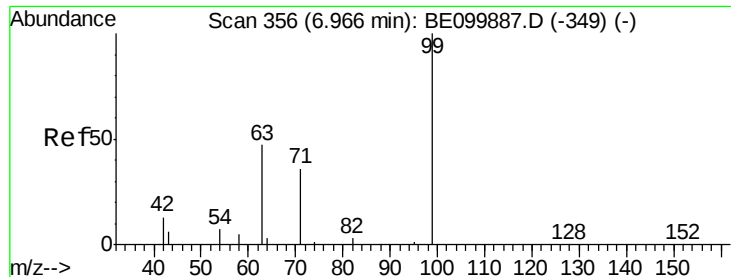
0

5.20 5.40 5.60

5.37

Time-->





#5

Phenol-d6

Concen: 0.062 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

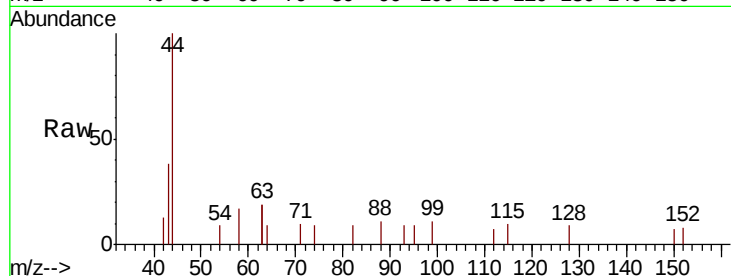
Tgt Ion: 99 Resp: 133

Ion Ratio Lower Upper

99 100

42 15.0 15.9 23.9#

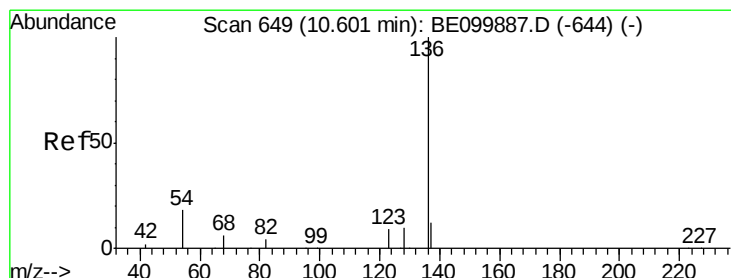
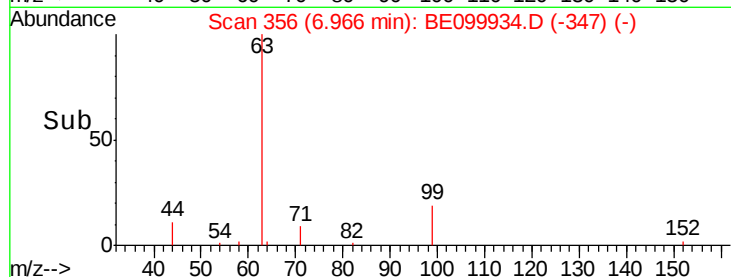
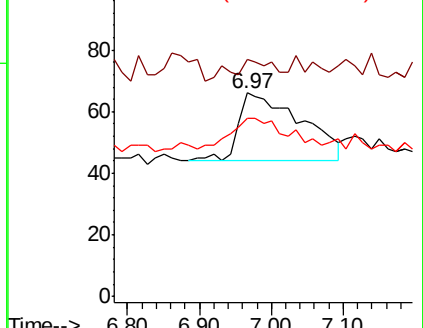
71 42.9 34.6 52.0



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Tgt Ion: 136 Resp: 2150

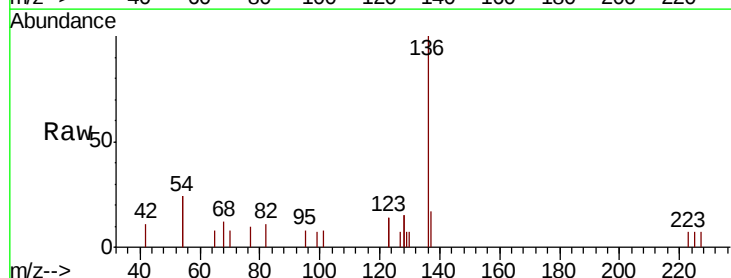
Ion Ratio Lower Upper

136 100

137 17.2 12.3 18.5

54 47.1 28.2 42.4#

68 12.0 7.8 11.8#

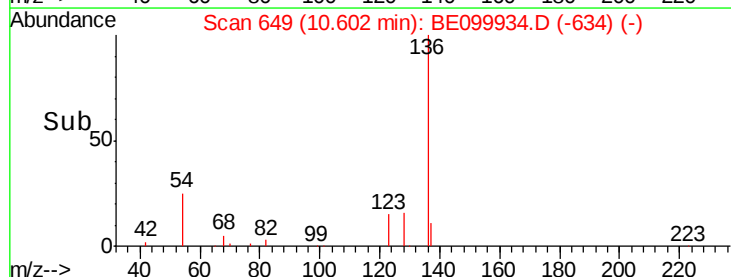
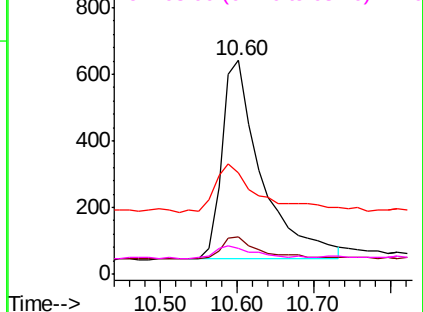


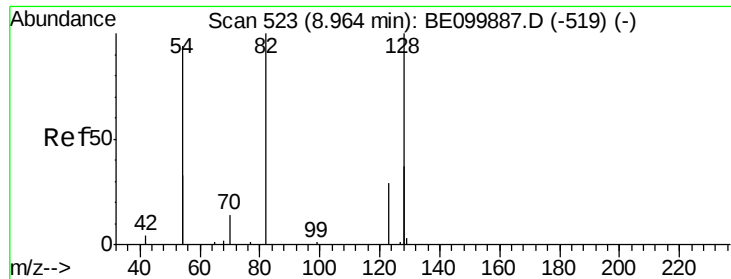
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.301 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099934.D

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Instrument :

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RE117D2-20190603

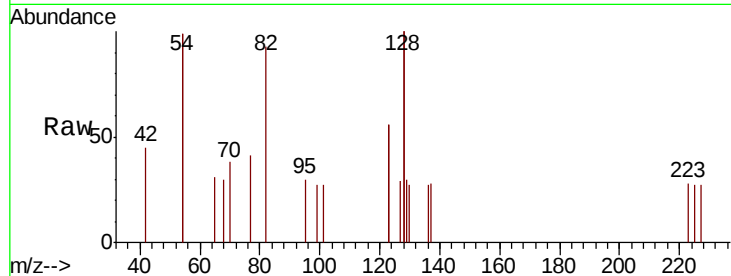
Tgt Ion: 82 Resp: 613

Ion Ratio Lower Upper

82 100

128 215.7 137.3 205.9#

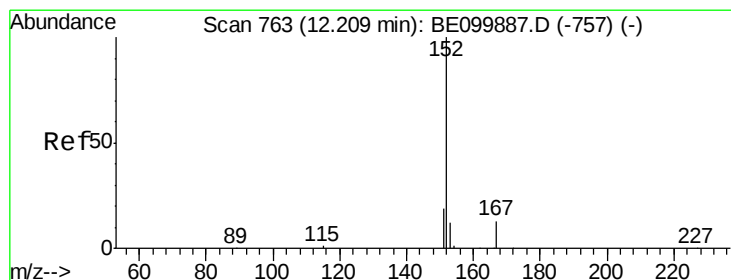
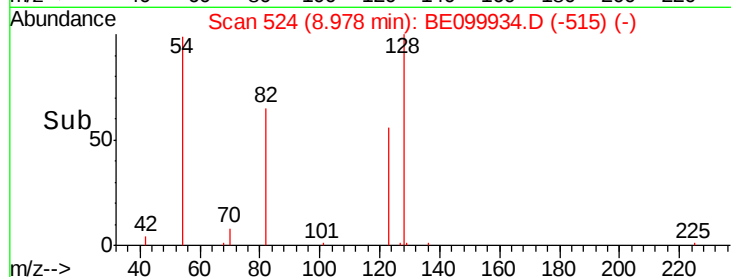
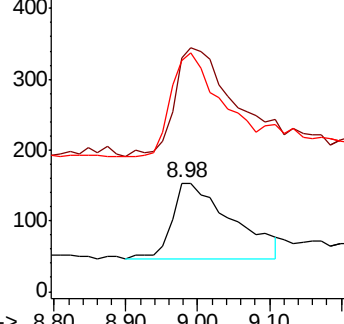
54 213.1 129.7 194.5#



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



#11

2-Methylnaphthalene-d10

Concen: 0.372 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE099934.D

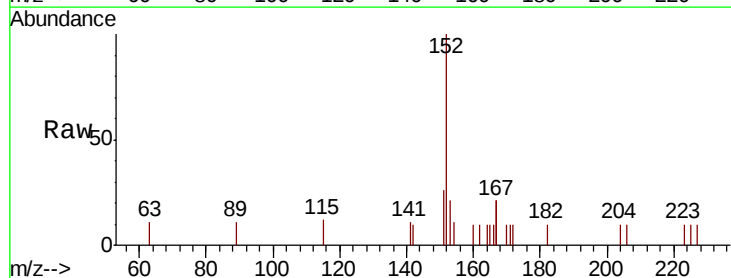
Acq: 11 Jun 2019 21:08

Tgt Ion: 152 Resp: 1395

Ion Ratio Lower Upper

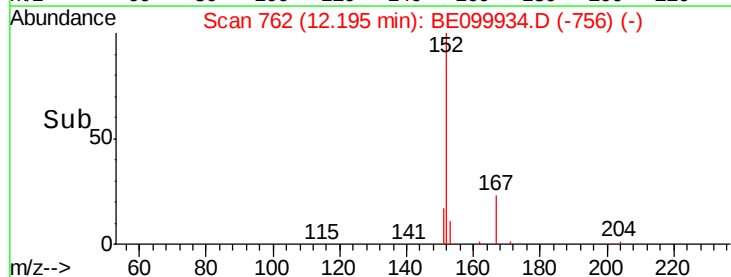
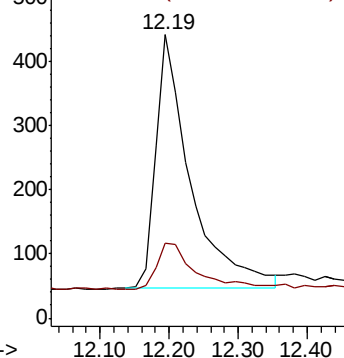
152 100

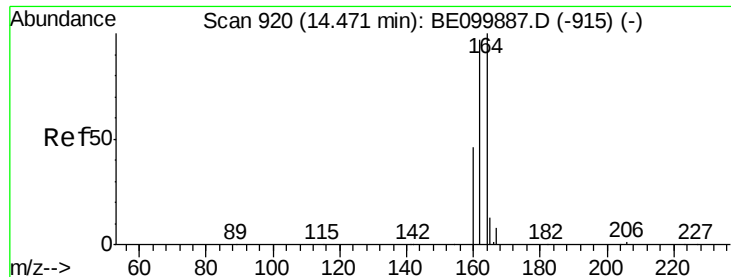
151 20.8 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

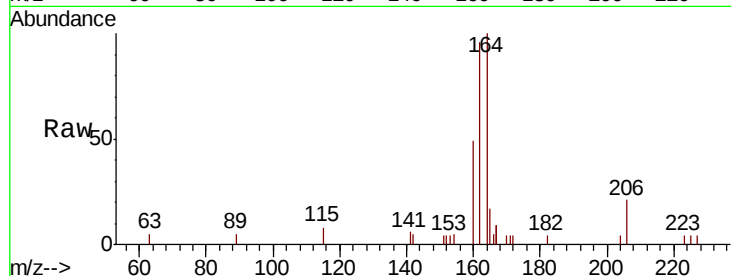




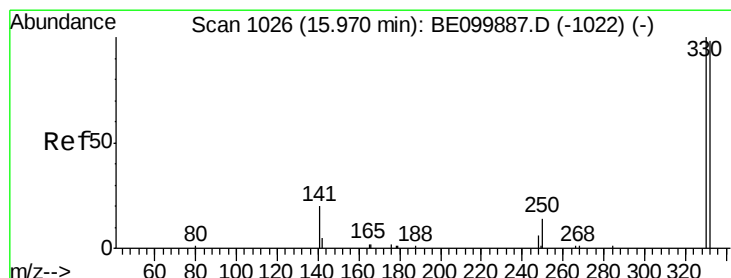
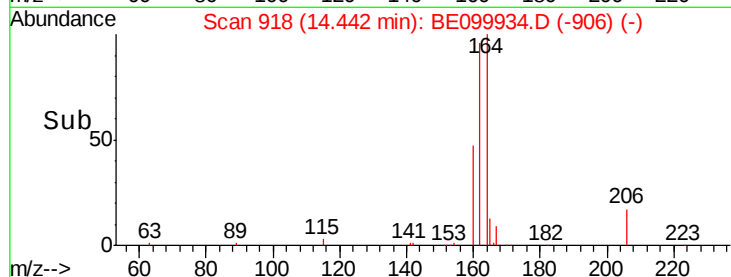
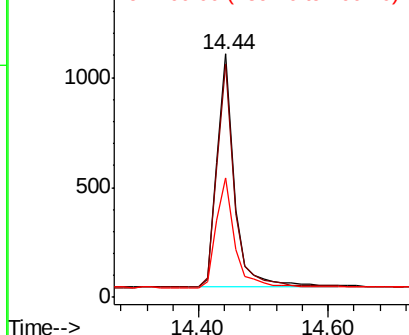
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.44 min Scan# 918  
 Delta R.T. -0.03 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

Instrument :  
 BNA\_E  
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 RE117D2-20190603

Tgt Ion:164 Resp: 1994  
 Ion Ratio Lower Upper  
 164 100  
 162 96.0 77.8 116.8  
 160 49.1 38.2 57.4

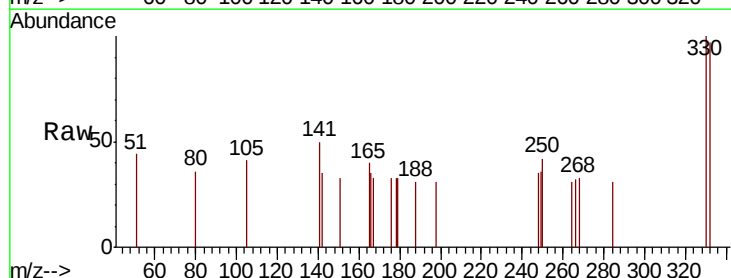


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

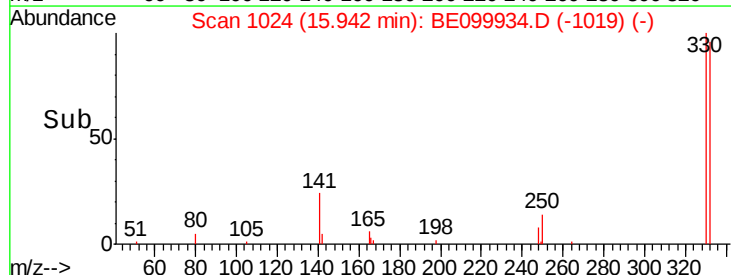
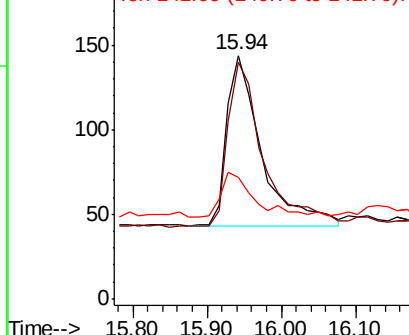


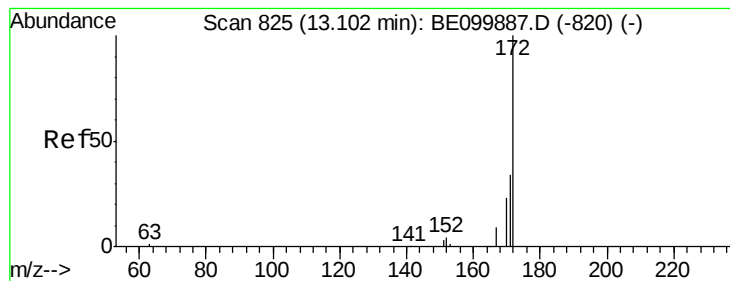
#14  
 2,4,6-Tribromophenol  
 Concen: 0.225 ng  
 RT: 15.94 min Scan# 1024  
 Delta R.T. -0.03 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

Tgt Ion:330 Resp: 332  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.7 115.1  
 141 26.5 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

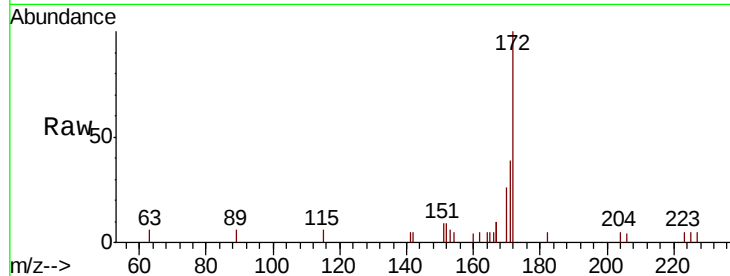




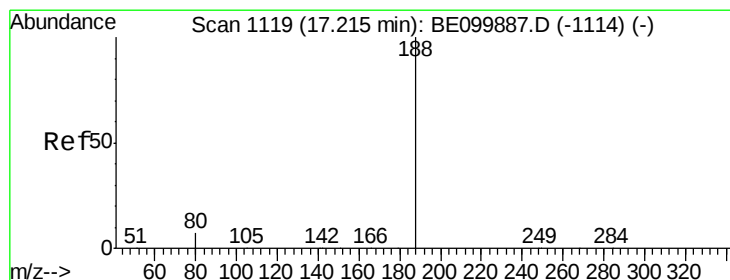
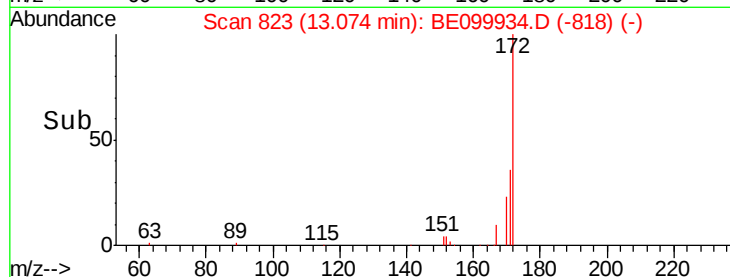
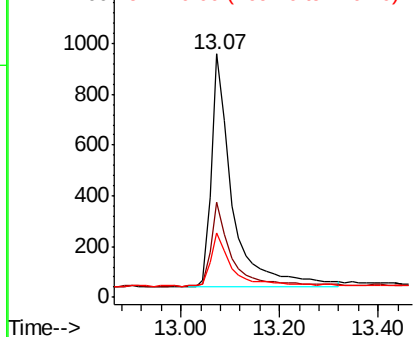
#15  
 2-Fluorobiphenyl  
 Concen: 0.352 ng  
 RT: 13.07 min Scan# 823  
 Delta R.T. -0.03 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

Instrument :  
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Tgt Ion:172 Resp: 2660  
 Ion Ratio Lower Upper  
 172 100  
 171 38.9 29.2 43.8  
 170 26.4 21.2 31.8

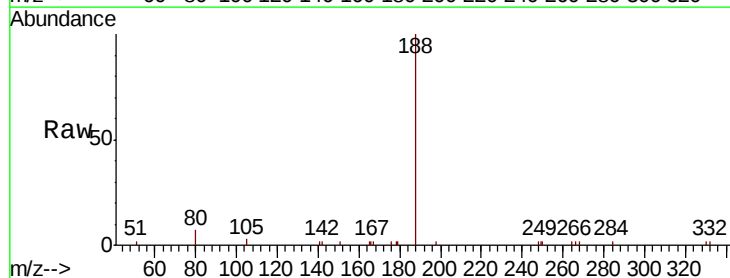


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

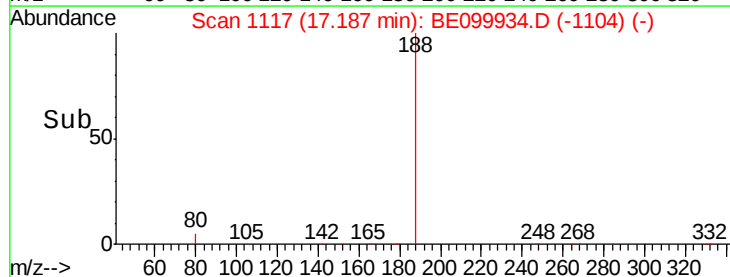
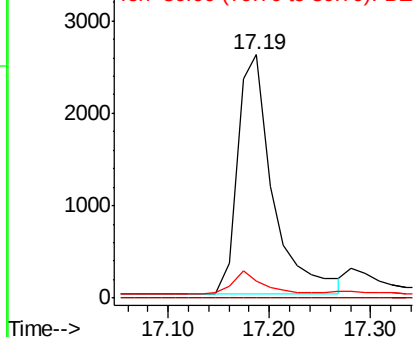


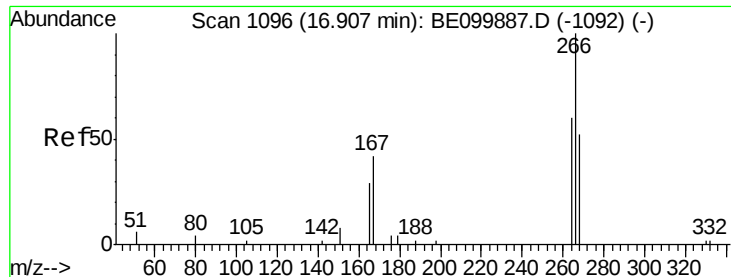
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.19 min Scan# 1117  
 Delta R.T. -0.03 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

Tgt Ion:188 Resp: 6255  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 6.8 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





#22

Pentachlorophenol

Concen: 0.315 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

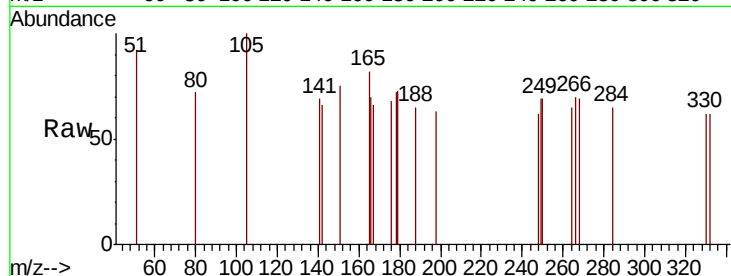
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 92.0 62.2 93.2

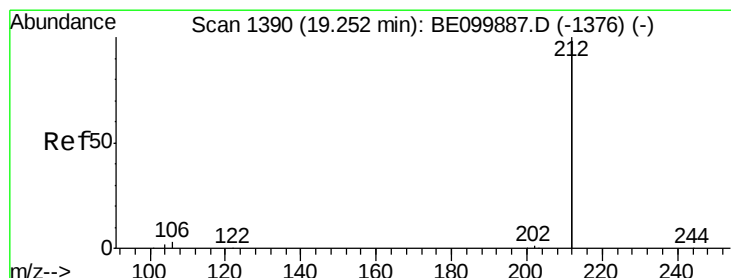
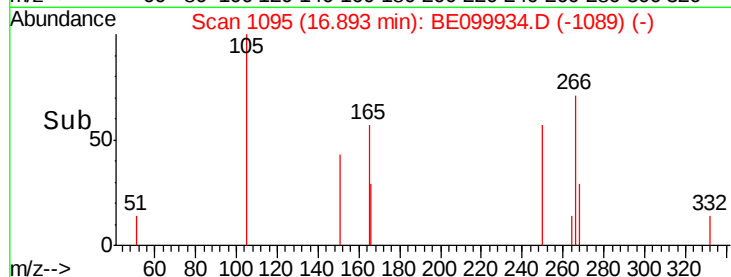
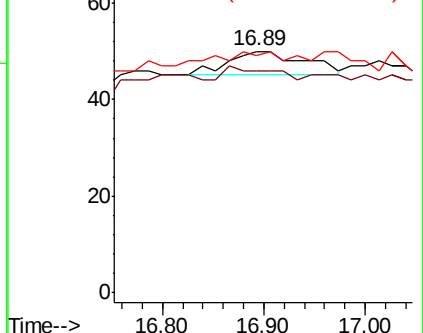
268 98.0 65.5 98.3



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



#25

Fluoranthene-d10

Concen: 0.407 ng

RT: 19.21 min Scan# 1382

Delta R.T. -0.05 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

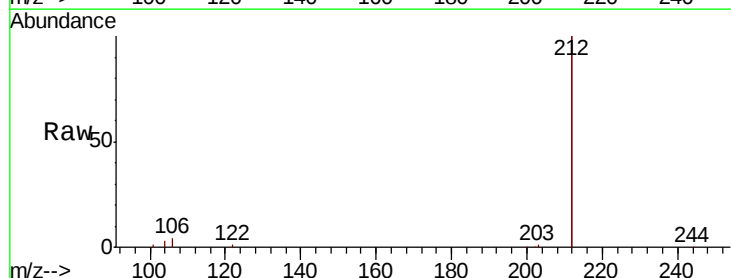
Tgt Ion:212 Resp: 37064

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

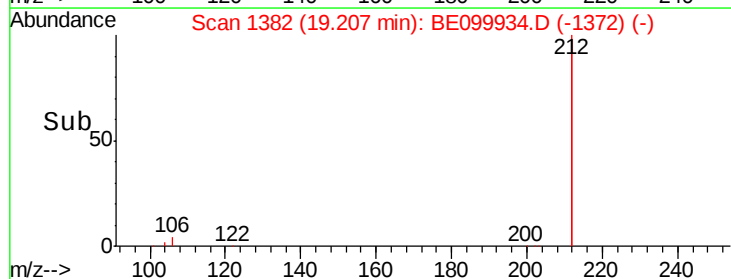
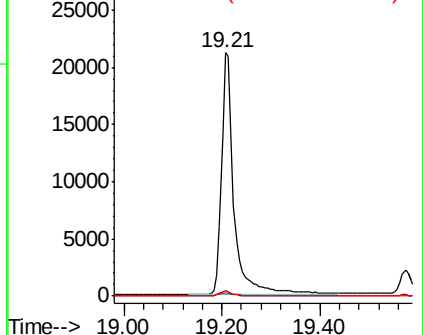
104 1.2 0.9 1.3

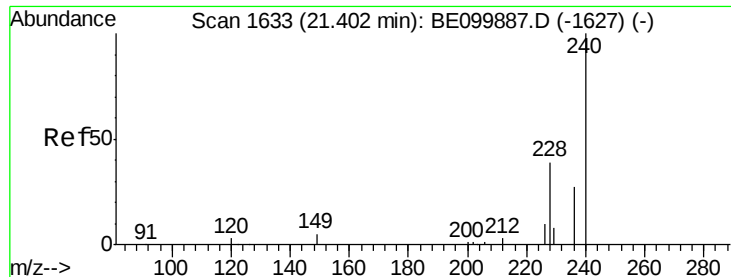


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

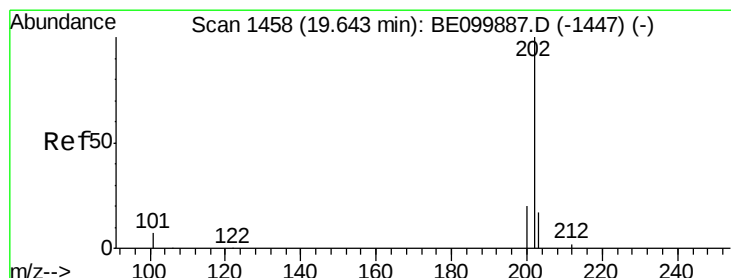
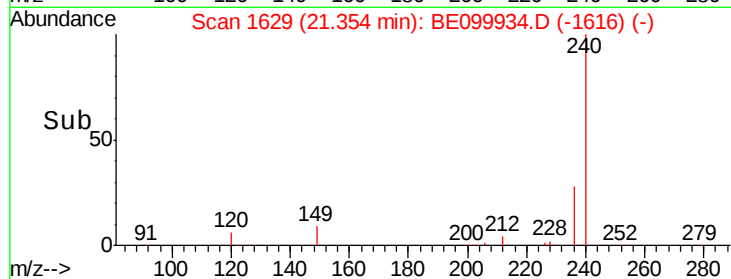
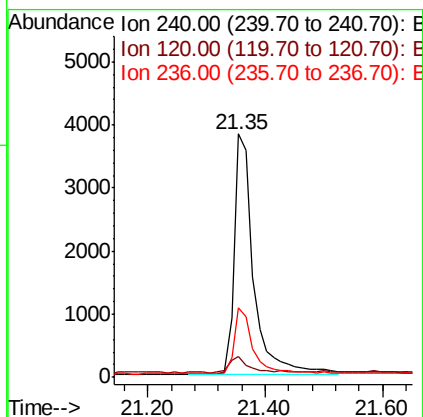
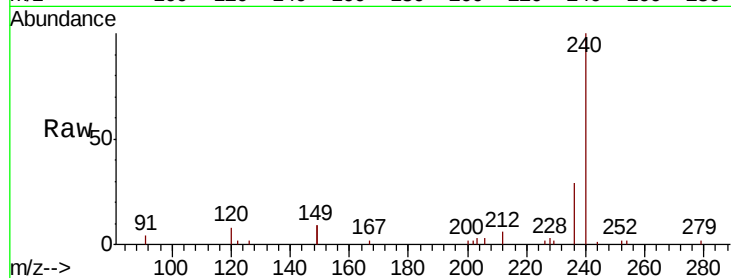




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.35 min Scan# 1629  
 Delta R.T. -0.05 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

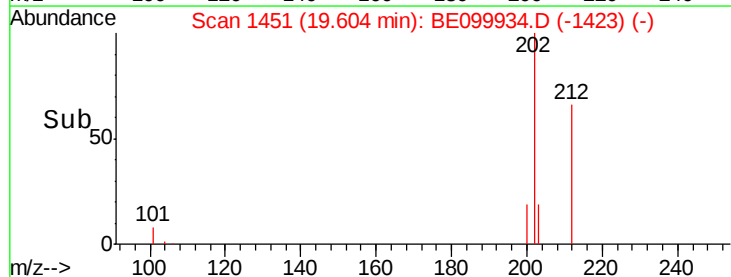
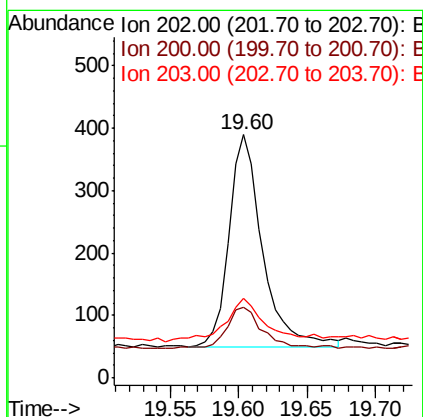
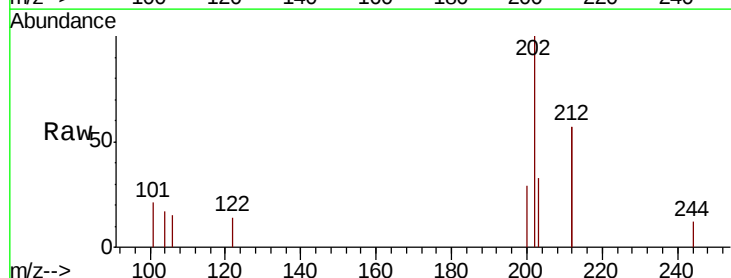
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE117D2-20190603

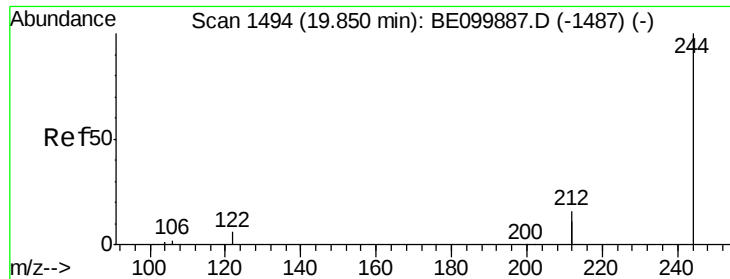
Tgt Ion:240 Resp: 8762  
 Ion Ratio Lower Upper  
 240 100  
 120 8.4 3.8 5.6#  
 236 28.8 22.0 33.0



#28  
 Pyrene  
 Concen: 0.025 ng  
 RT: 19.60 min Scan# 1451  
 Delta R.T. -0.04 min  
 Lab File: BE099934.D  
 Acq: 11 Jun 2019 21:08

Tgt Ion:202 Resp: 580  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 15.5 23.3  
 203 25.7 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.625 ng

RT: 19.80 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

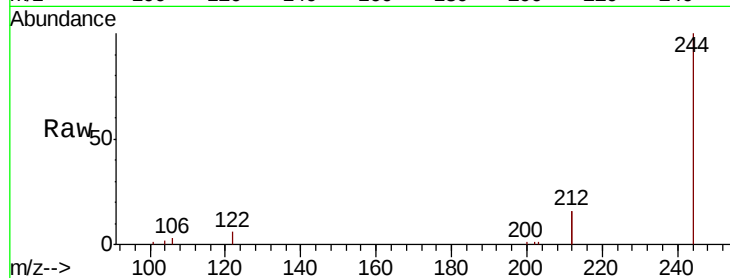
Tgt Ion:244 Resp: 9855

Ion Ratio Lower Upper

244 100

212 32.4 25.7 38.5

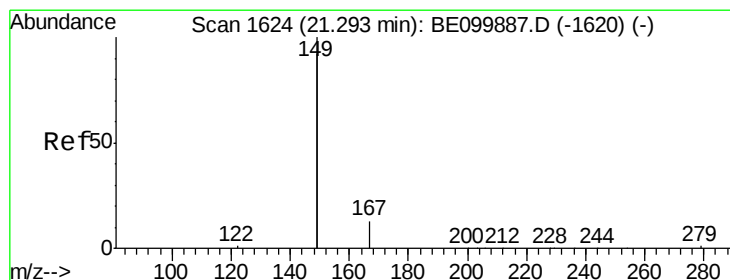
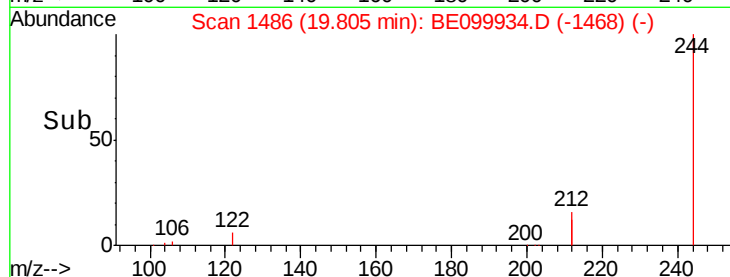
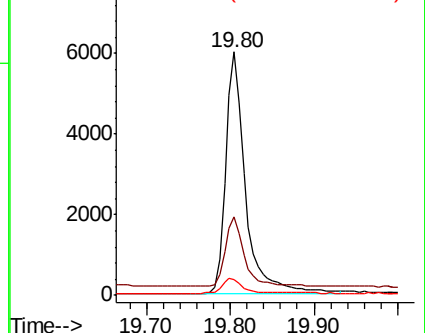
122 6.5 5.5 8.3



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.194 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

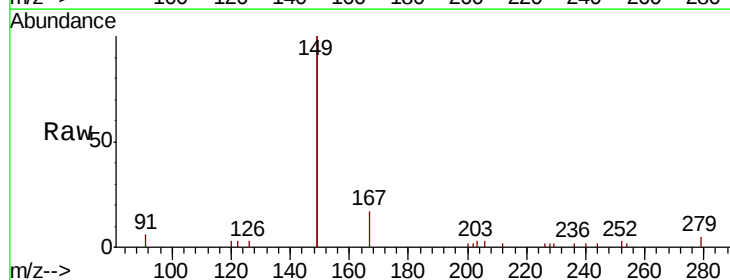
Tgt Ion:149 Resp: 7276

Ion Ratio Lower Upper

149 100

167 7.2 5.9 8.9

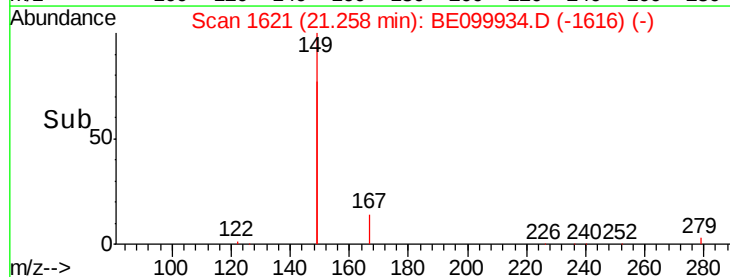
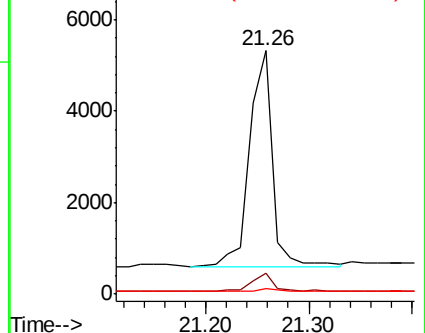
279 1.4 1.2 1.8

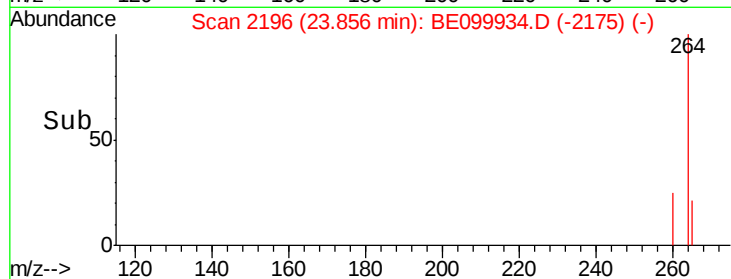
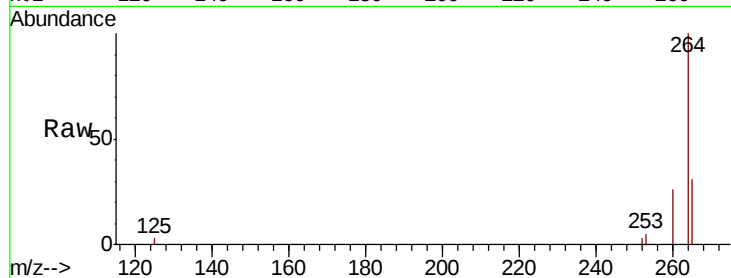
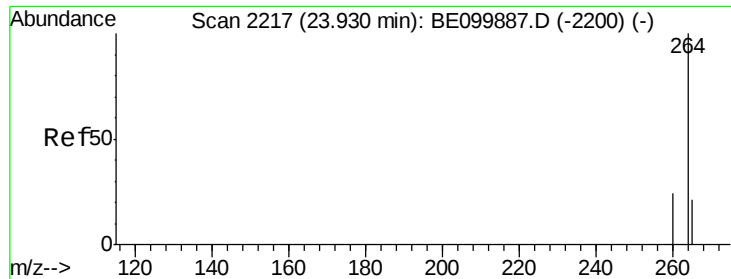


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2196

Delta R.T. -0.07 min

Lab File: BE099934.D

Acq: 11 Jun 2019 21:08

Instrument :

BNA\_E

ClientSampleId :

RE117D2-20190603

Tgt Ion: 264 Resp: 9744

Ion Ratio Lower Upper

264 100

260 26.0 20.2 30.2

265 31.0 22.0 33.0

