

Data File : BE099787.D  
Acq On : 3 Jun 2019 15:36  
Operator : JU/SJ  
Sample : PB120277BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB120277BL

Quant Time: Jun 04 03:09:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE052019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 20 19:29:40 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 1311     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.62 | 136  | 4084     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 2854     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 8532     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 14244    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 17690    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.37  | 112 | 1111  | 0.34 | ng | 0.00 |
| 5) Phenol-d6                | 6.97  | 99  | 1388  | 0.32 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.98  | 82  | 882   | 0.25 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 2363  | 0.34 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 324   | 0.29 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 3422  | 0.32 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 43592 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.86 | 244 | 9024  | 0.35 | ng | 0.00 |

|                           |       |     |    |       |    |        |
|---------------------------|-------|-----|----|-------|----|--------|
| Target Compounds          |       |     |    |       |    | Qvalue |
| 2) 1,4-Dioxane            | 3.29  | 88  | 40 | 0.021 | ng | # 1    |
| 3) n-Nitrosodimethylamine | 3.62  | 42  | 32 | 0.030 | ng | # 1    |
| 22) Pentachlorophenol     | 16.92 | 266 | 10 | 0.187 | ng | # 72   |

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

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PB120277BL

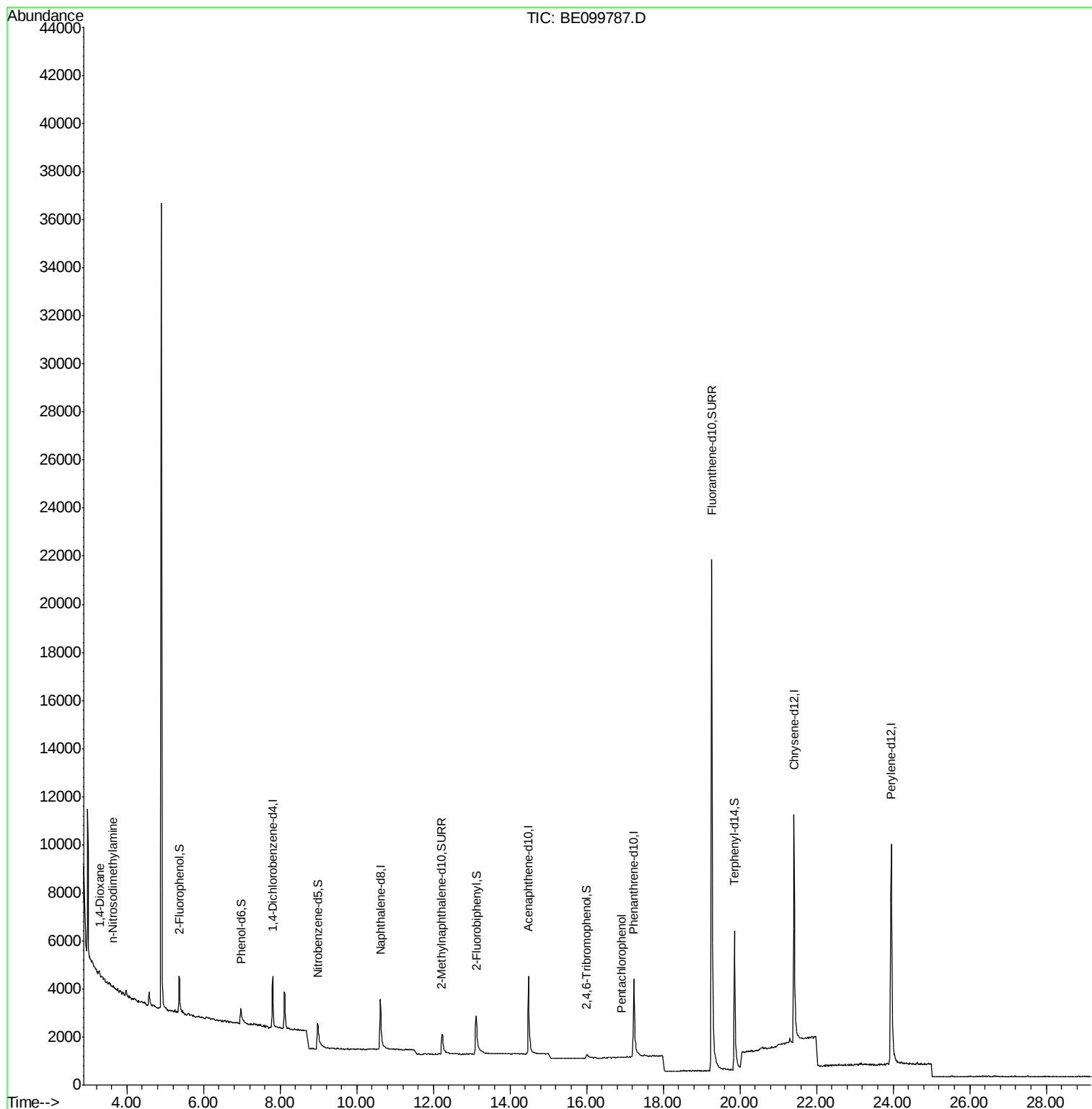
Quant Time: Jun 04 03:09:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE052019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon May 20 19:29:40 2019

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

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Instrument :

BNA\_E

ClientSampleId :

PB120277BL

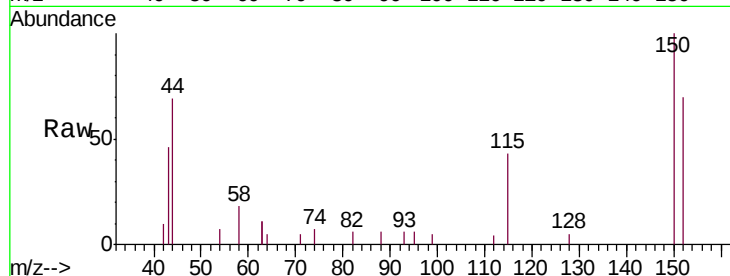
Tgt Ion:152 Resp: 1311

Ion Ratio Lower Upper

152 100

150 143.3 109.2 163.8

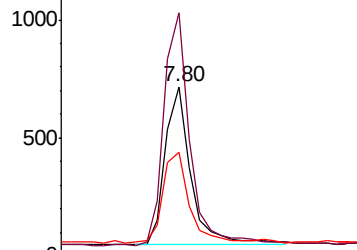
115 61.0 43.7 65.5



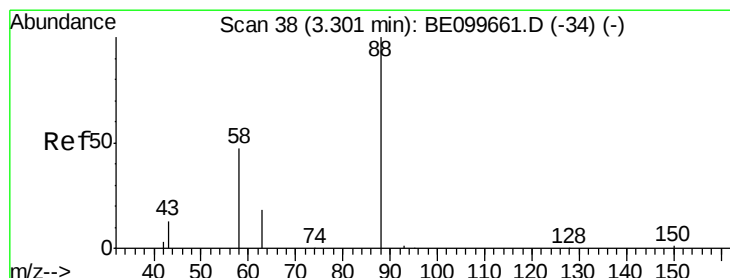
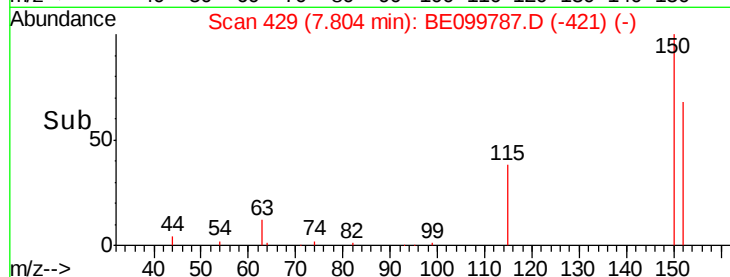
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.021 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

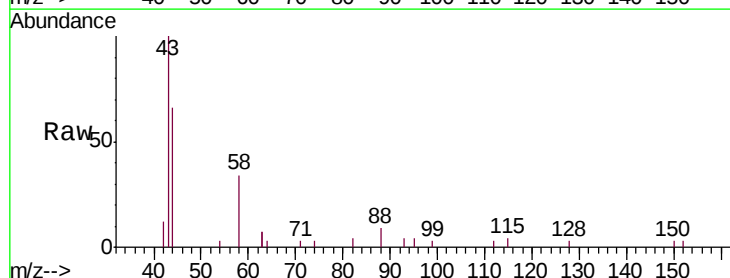
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

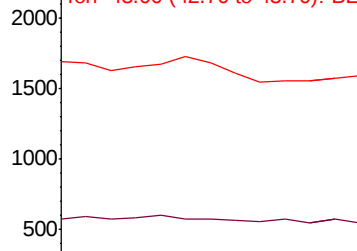
43 987.5 15.0 22.4#



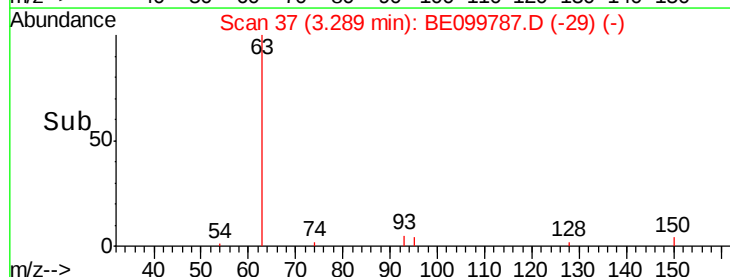
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.030 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

PB120277BL

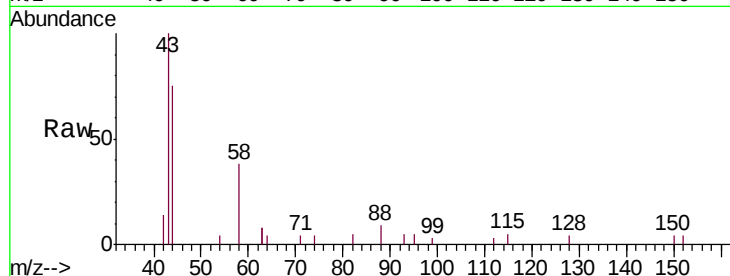
Tgt Ion: 42 Resp: 32

Ion Ratio Lower Upper

42 100

74 0.0 129.2 193.8#

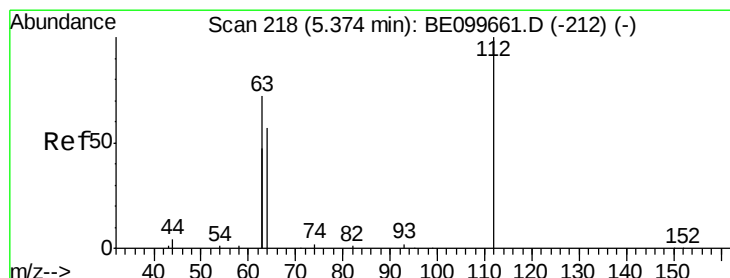
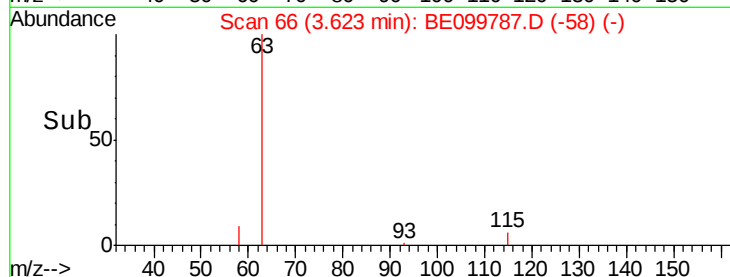
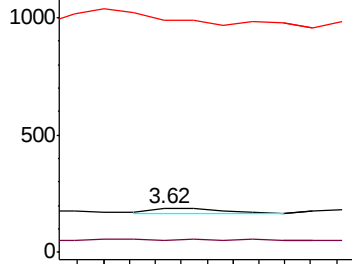
44 0.0 0.0 0.0



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



#4

2-Fluorophenol

Concen: 0.335 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

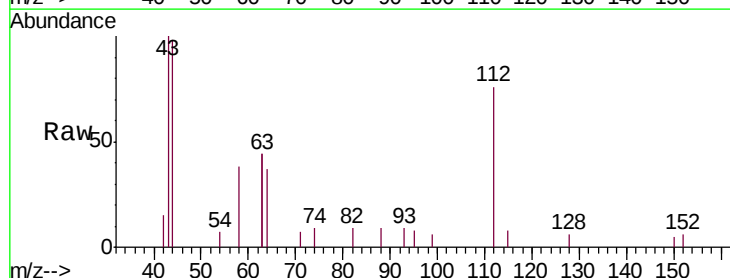
Tgt Ion: 112 Resp: 1111

Ion Ratio Lower Upper

112 100

64 55.1 43.4 65.2

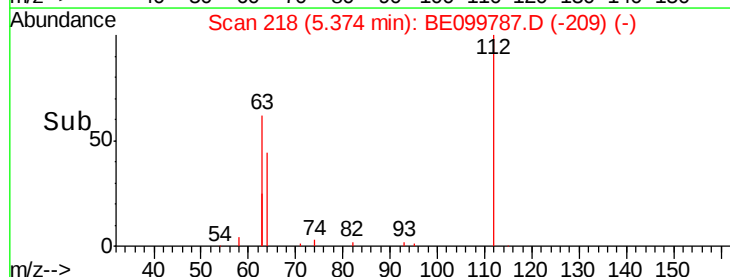
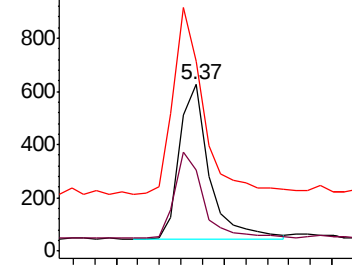
63 124.9 96.9 145.3



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: 0.317 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampled :

PB120277BL

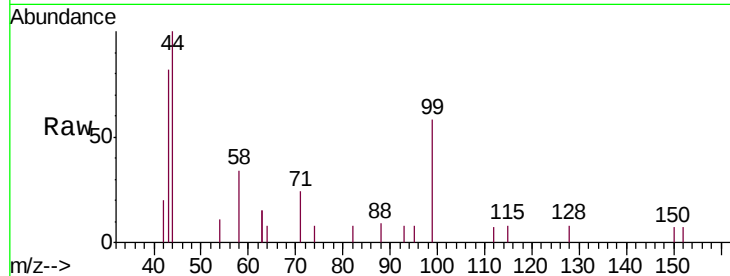
Tgt Ion: 99 Resp: 1388

Ion Ratio Lower Upper

99 100

42 12.4 12.2 18.2

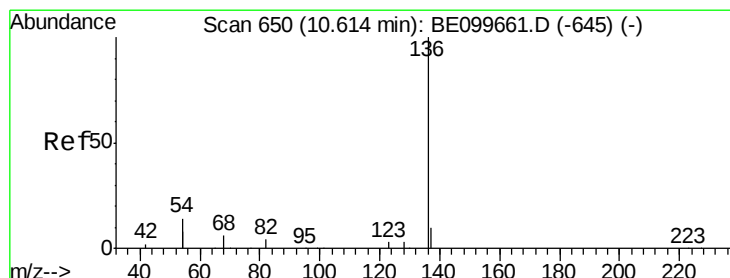
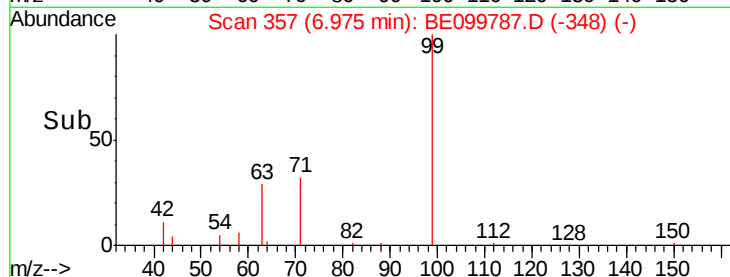
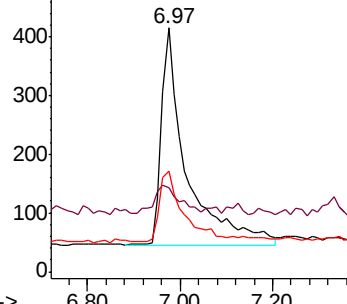
71 30.7 28.9 43.3



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: 10.62 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

Tgt Ion: 136 Resp: 4084

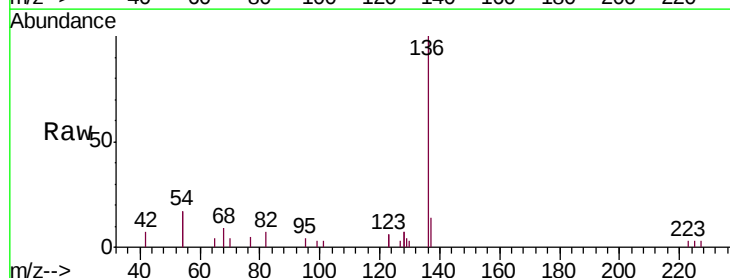
Ion Ratio Lower Upper

136 100

137 13.6 9.0 13.6#

54 34.6 22.3 33.5#

68 9.3 6.0 9.0#

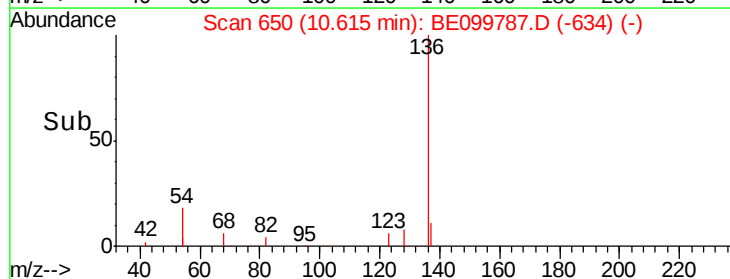
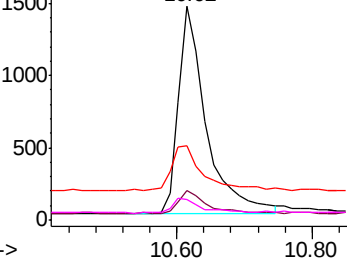


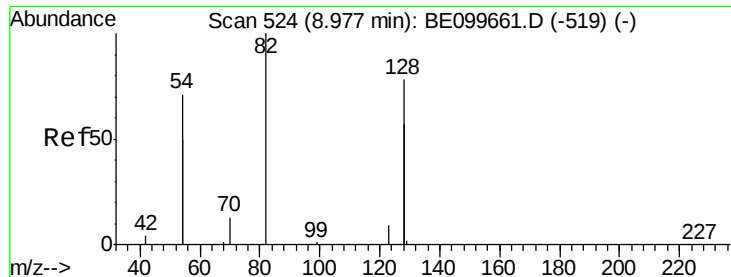
Abundance Ion 136.00 (135.70 to 136.70): E

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

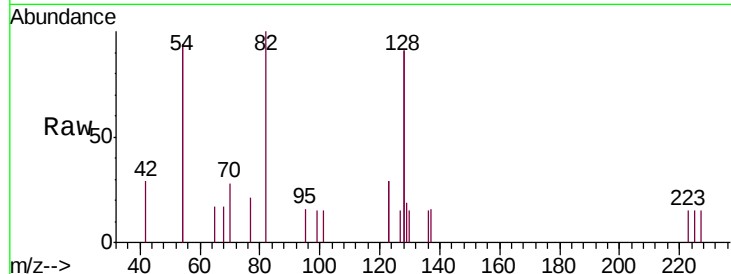




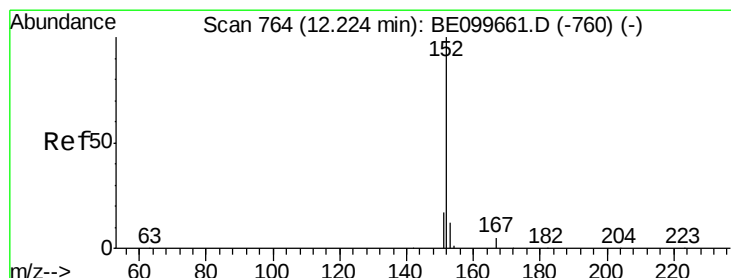
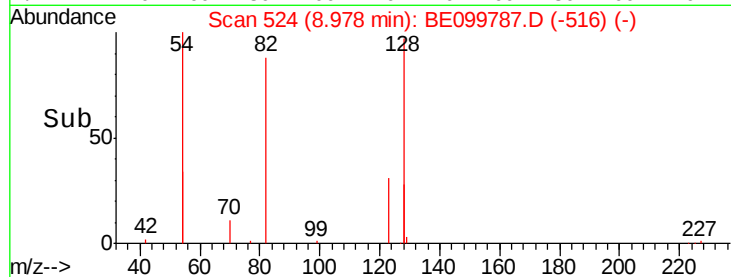
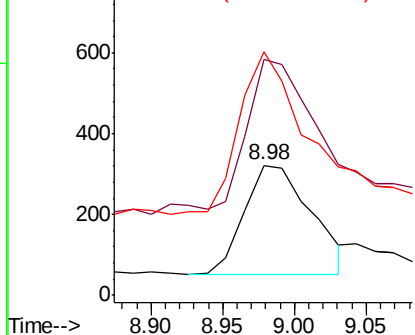
#8  
 Nitrobenzene-d5  
 Concen: 0.249 ng  
 RT: 8.98 min Scan# 524  
 Delta R.T. 0.00 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120277BL

Tgt Ion: 82 Resp: 882  
 Ion Ratio Lower Upper  
 82 100  
 128 181.9 117.7 176.5#  
 54 187.5 106.6 160.0#

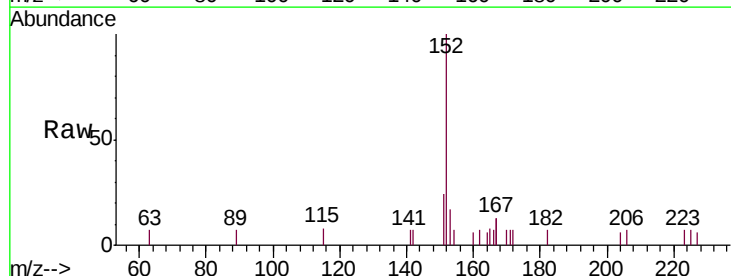


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BE0

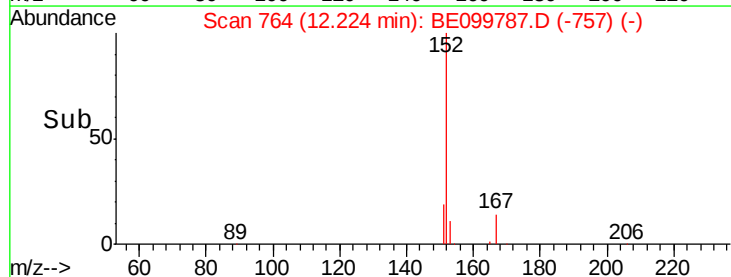
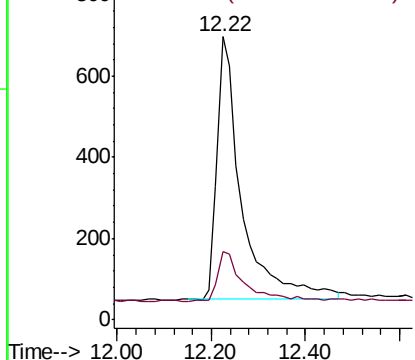


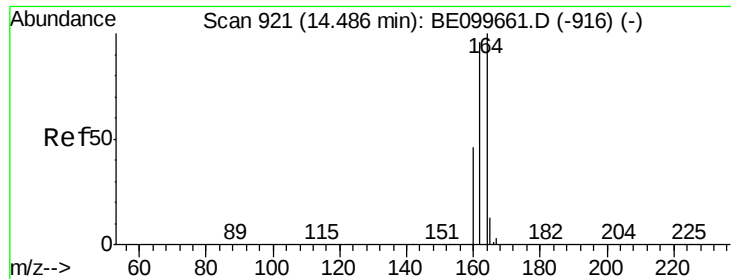
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.335 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

Tgt Ion: 152 Resp: 2363  
 Ion Ratio Lower Upper  
 152 100  
 151 21.5 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

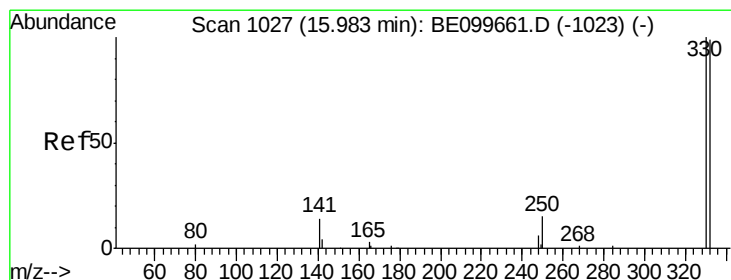
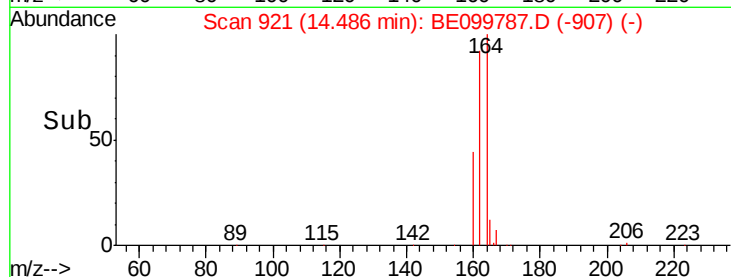
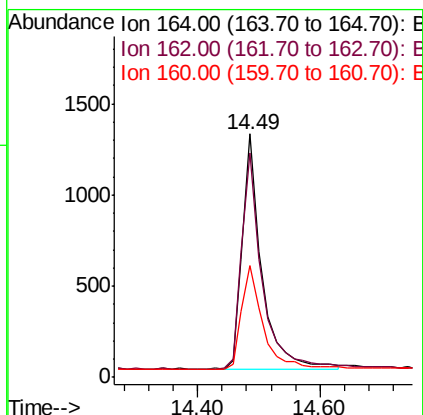
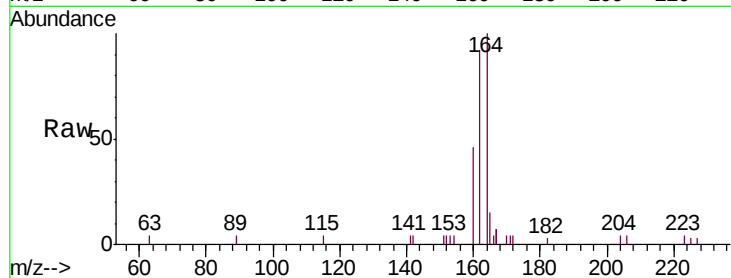




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. -0.00 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

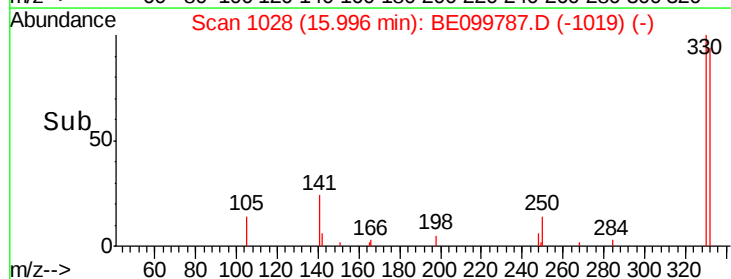
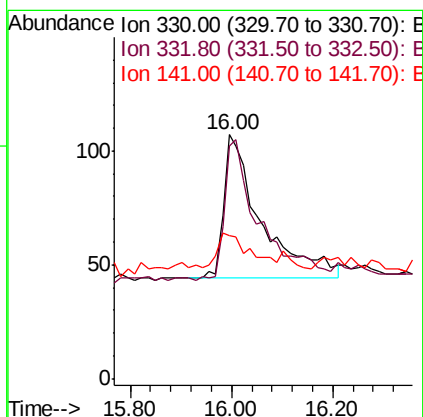
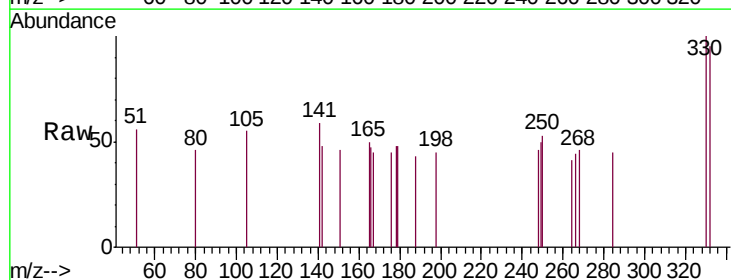
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120277BL

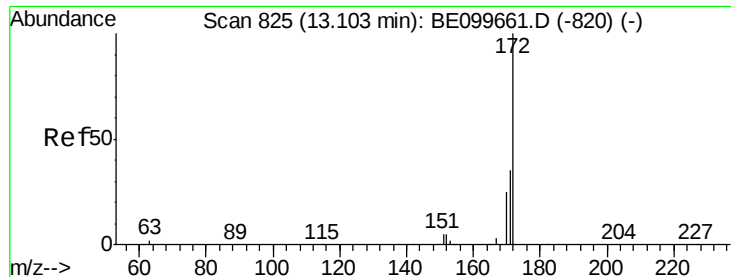
Tgt Ion:164 Resp: 2854  
 Ion Ratio Lower Upper  
 164 100  
 162 92.0 76.5 114.7  
 160 46.1 37.4 56.2



#14  
 2,4,6-Tribromophenol  
 Concen: 0.286 ng  
 RT: 16.00 min Scan# 1028  
 Delta R.T. 0.01 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

Tgt Ion:330 Resp: 324  
 Ion Ratio Lower Upper  
 330 100  
 332 93.5 77.3 115.9  
 141 0.0 18.9 28.3#

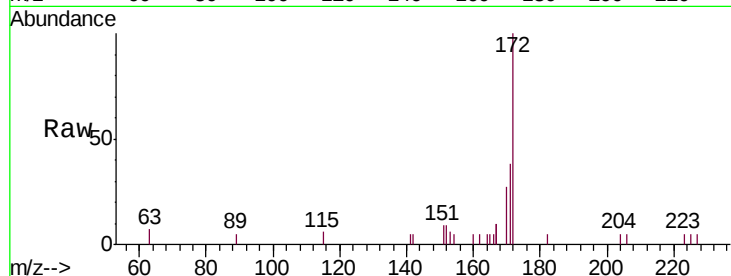




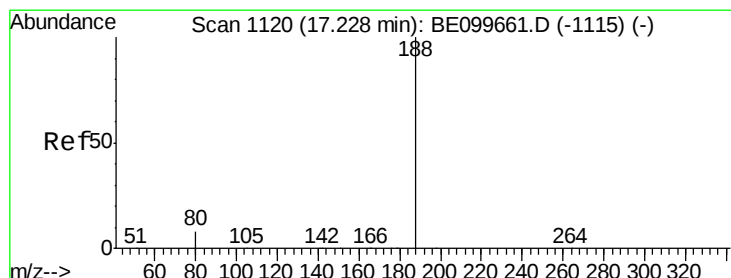
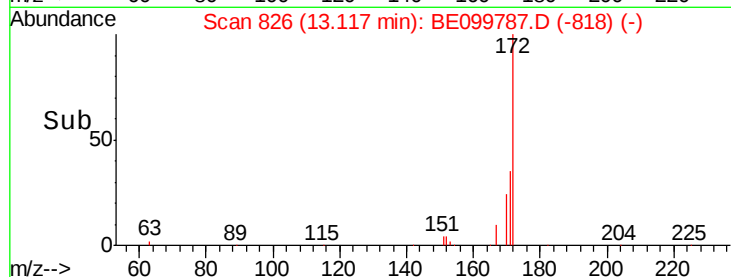
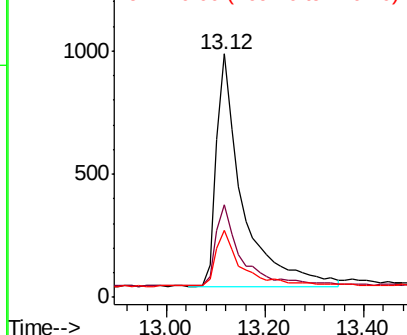
#15  
2-Fluorobiphenyl  
Concen: 0.316 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.01 min  
Lab File: BE099787.D  
Acq: 3 Jun 2019 15:36

Instrument :  
BNA\_E  
ClientSampleId :  
PB120277BL

Tgt Ion:172 Resp: 3422  
Ion Ratio Lower Upper  
172 100  
171 38.0 28.7 43.1  
170 27.4 20.9 31.3

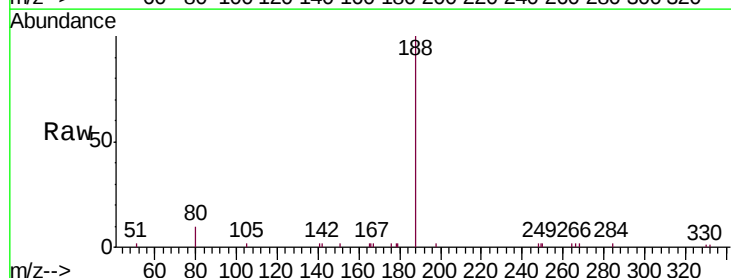


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

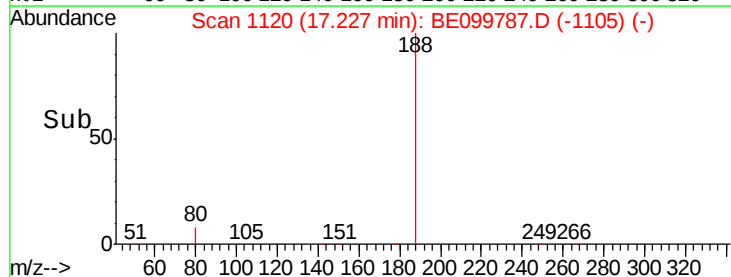
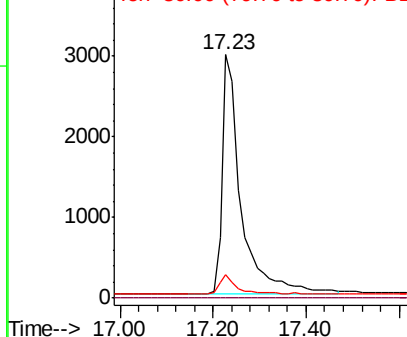


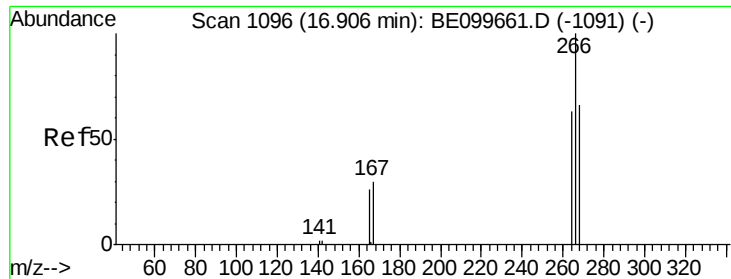
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. -0.00 min  
Lab File: BE099787.D  
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Tgt Ion:188 Resp: 8532  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.5 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

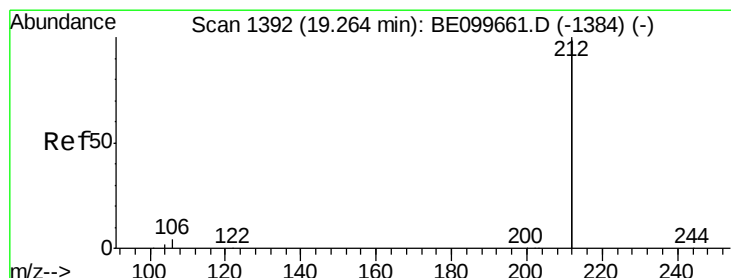
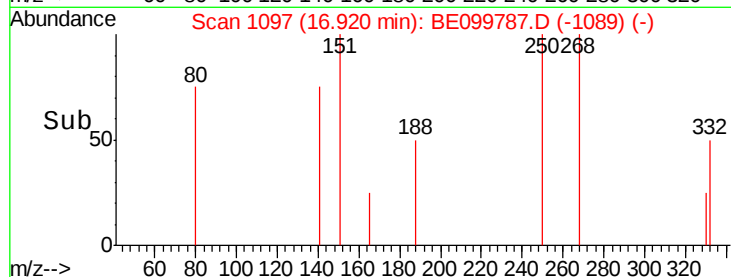
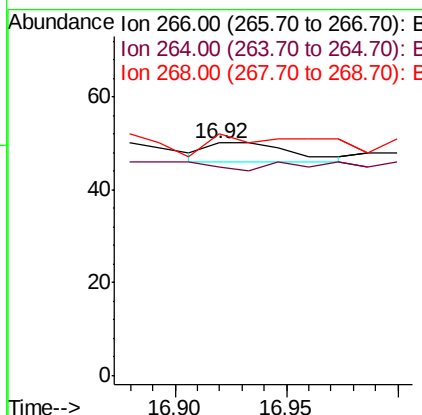
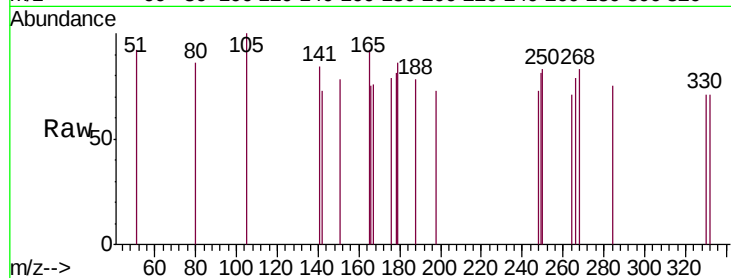




#22  
 Pentachlorophenol  
 Concen: 0.187 ng  
 RT: 16.92 min Scan# 1097  
 Delta R.T. 0.01 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

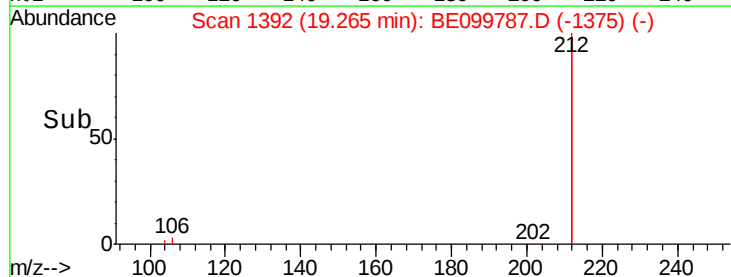
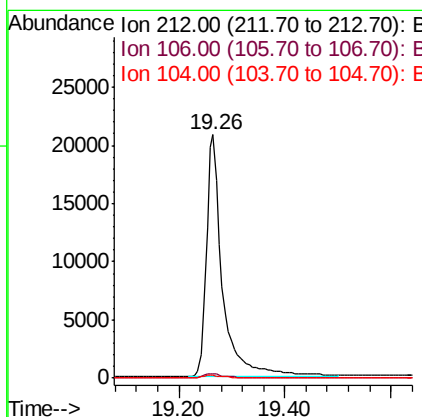
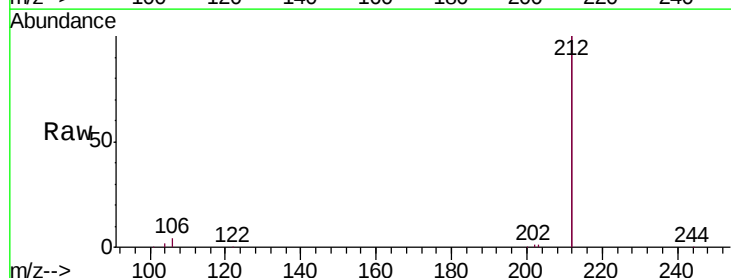
Instrument :  
 BNA\_E  
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 PB120277BL

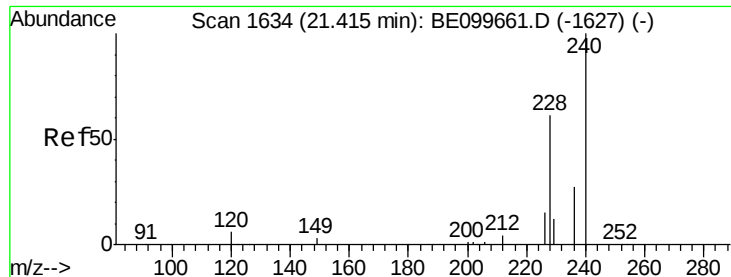
Tgt Ion: 266 Resp: 10  
 Ion Ratio Lower Upper  
 266 100  
 264 90.0 57.2 85.8#  
 268 104.0 60.5 90.7#



#25  
 Fluoranthene-d10  
 Concen: 0.374 ng  
 RT: 19.26 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: BE099787.D  
 Acq: 3 Jun 2019 15:36

Tgt Ion: 212 Resp: 43592  
 Ion Ratio Lower Upper  
 212 100  
 106 1.8 1.4 2.2  
 104 1.0 0.8 1.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

PB120277BL

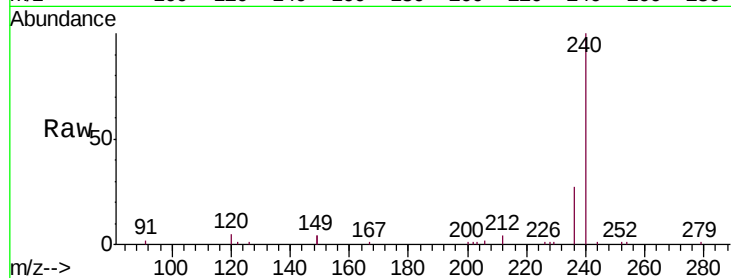
Tgt Ion:240 Resp: 14244

Ion Ratio Lower Upper

240 100

120 5.4 5.4 8.0#

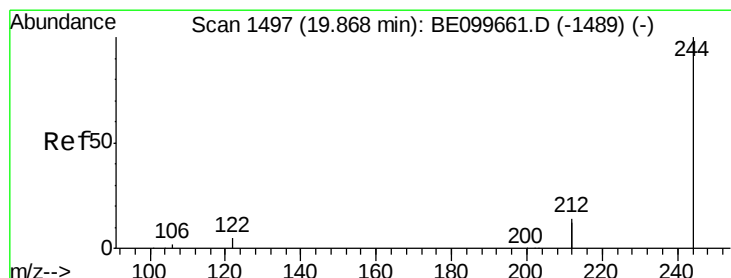
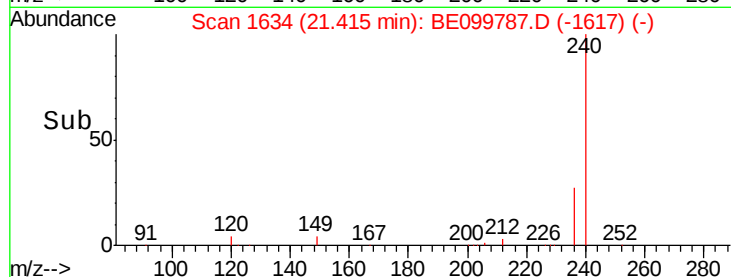
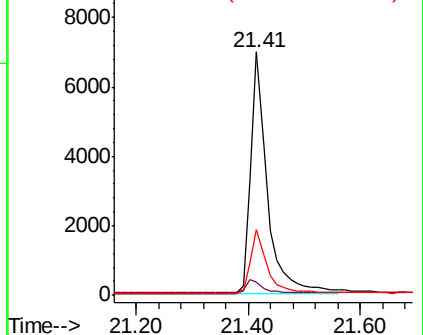
236 27.2 21.7 32.5



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



#29

Terphenyl-d14

Concen: 0.355 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

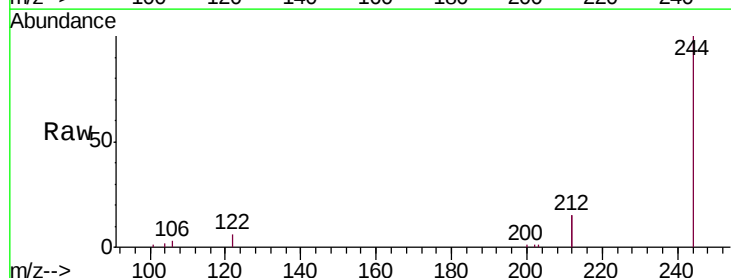
Tgt Ion:244 Resp: 9024

Ion Ratio Lower Upper

244 100

212 30.9 22.5 33.7

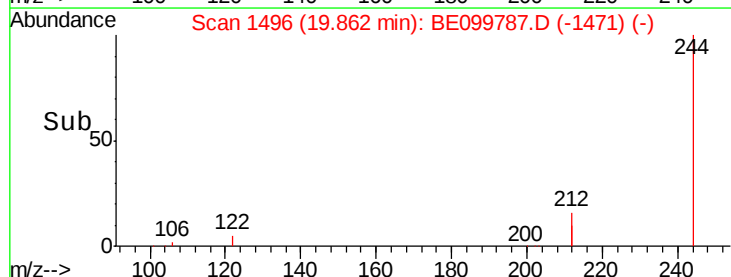
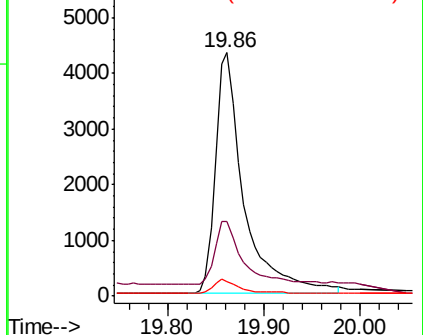
122 6.1 4.3 6.5

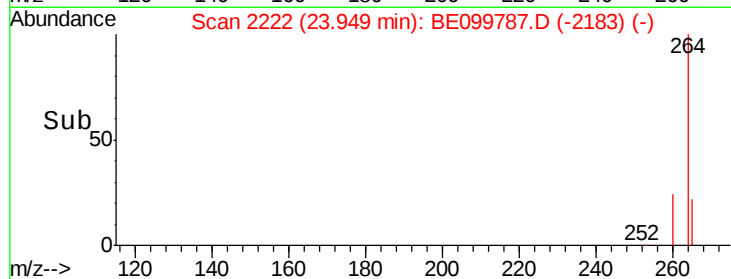
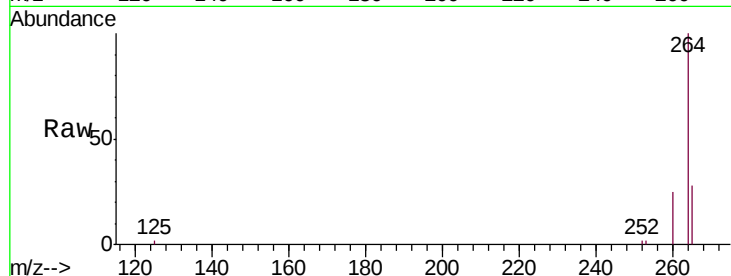
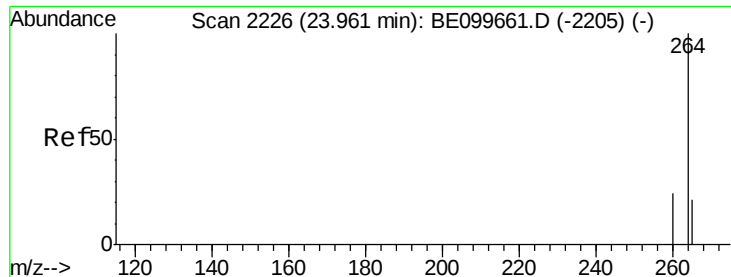


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BE099787.D

Acq: 3 Jun 2019 15:36

Instrument :

BNA\_E

ClientSampleId :

PB120277BL

Tgt Ion: 264 Resp: 17690

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 27.8 19.1 28.7

