

Data File : BE098612.D  
Acq On : 2 Jan 2019 17:42  
Operator : SJ/JU  
Sample : J6591-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
DUP03\_122718

Quant Time: Jan 03 01:16:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 02 10:30:27 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 977      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 4342     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2759     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 6527     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 7426     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.92 | 264  | 7282     | 0.40 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.40  | 112  | 460      | 0.20 | ng    | 0.01     |
| 5) Phenol-d6                | 6.99  | 99   | 389      | 0.12 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.96  | 82   | 1258     | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 2398     | 0.34 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 476      | 0.47 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 3924     | 0.34 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.26 | 212  | 29645    | 0.35 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 7664     | 0.42 | ng    | 0.00     |

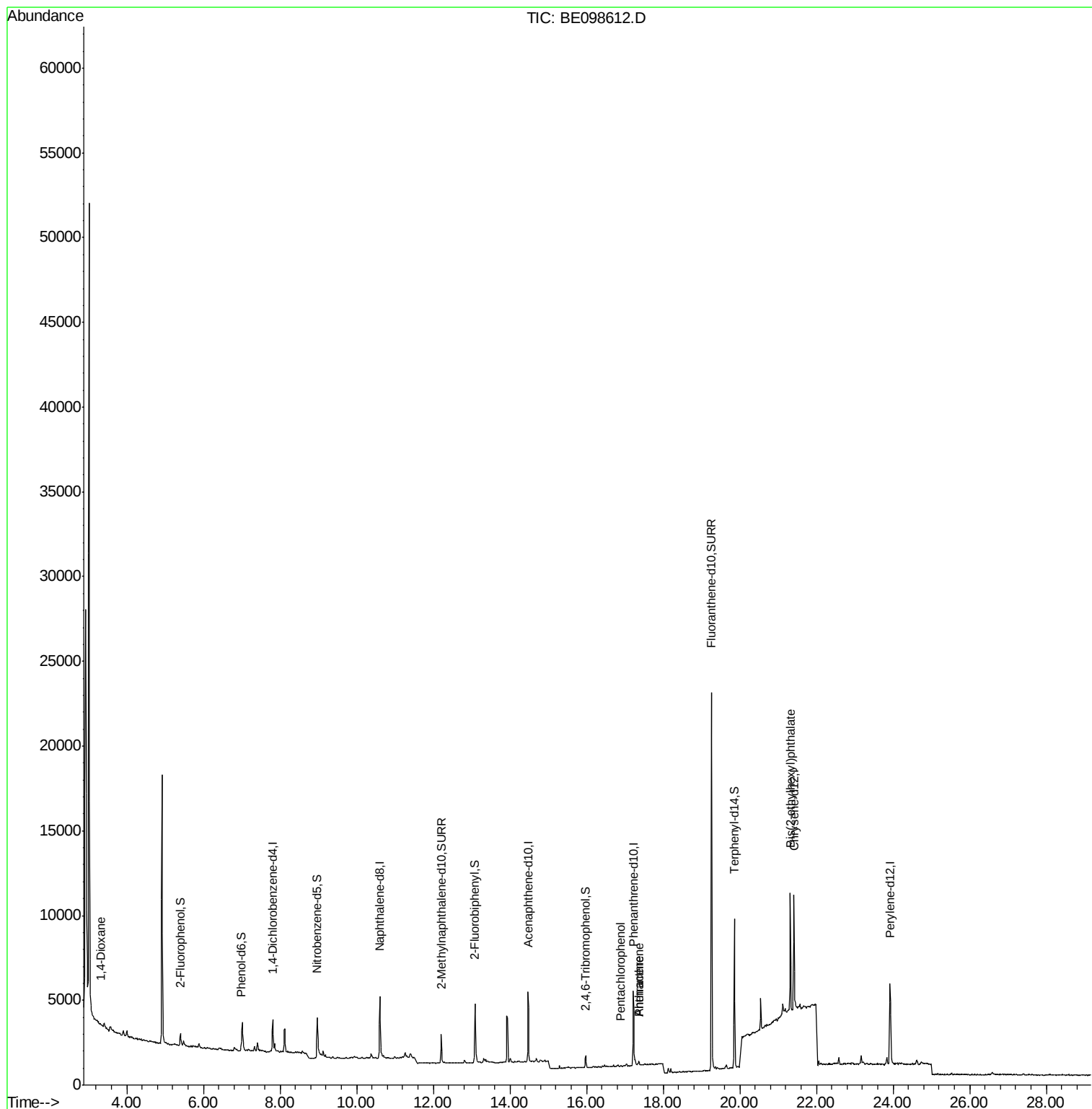
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.33  | 88   | 92       | 0.054 | ng    | # 12   |
| 22) Pentachlorophenol          | 16.89 | 266  | 31       | 0.070 | ng    | # 76   |
| 23) Phenanthrene               | 17.36 | 178  | 332      | 0.021 | ng    | 95     |
| 24) Anthracene                 | 17.36 | 178  | 318      | 0.022 | ng    | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 8134     | 0.189 | ng    | # 99   |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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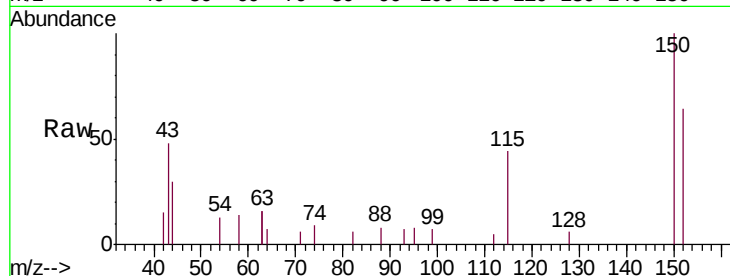


#1

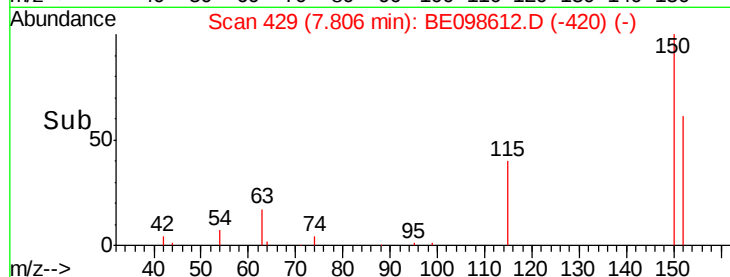
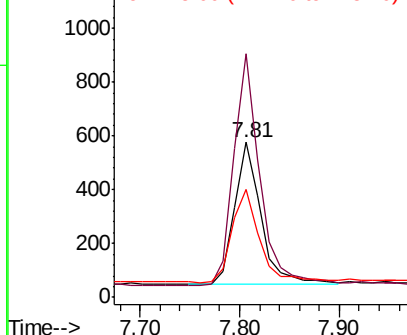
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.81 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BE098612.D  
Acq: 2 Jan 2019 17:42

Instrument :  
BNA\_E  
ClientSampleId :  
DUP03\_122718

Tgt Ion: 152 Resp: 977  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.2 186.4  
115 69.7 53.9 80.9



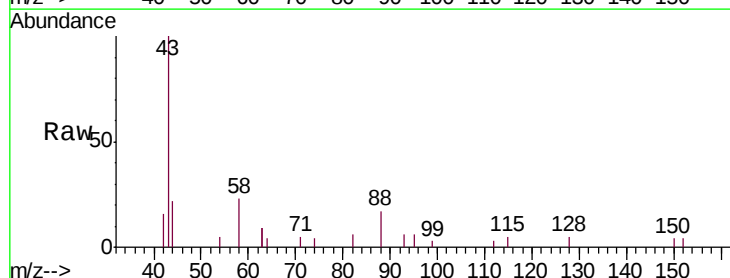
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



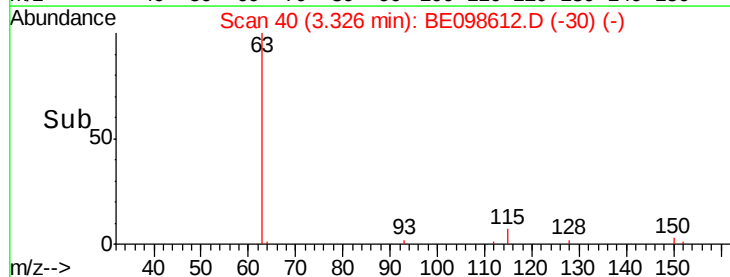
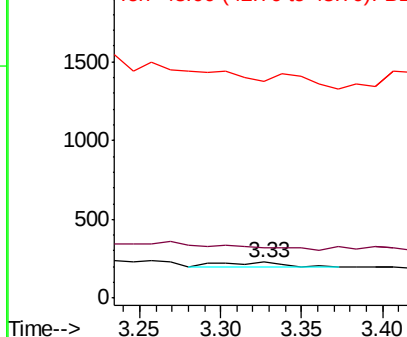
#2

1,4-Dioxane  
Concen: 0.054 ng  
RT: 3.33 min Scan# 40  
Delta R.T. 0.01 min  
Lab File: BE098612.D  
Acq: 2 Jan 2019 17:42

Tgt Ion: 88 Resp: 92  
Ion Ratio Lower Upper  
88 100  
58 0.0 75.0 112.6#  
43 0.0 38.3 57.5#



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





#4

2-Fluorophenol

Concen: 0.201 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

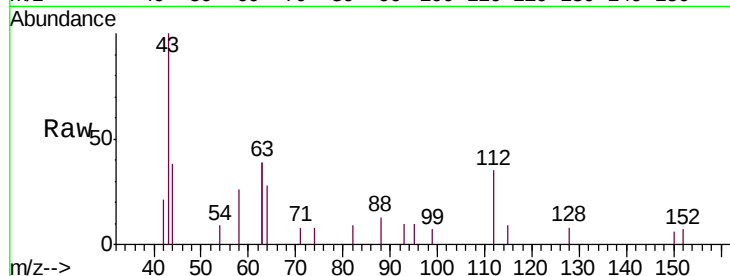
Tgt Ion: 112 Resp: 460

Ion Ratio Lower Upper

112 100

64 77.0 59.8 89.8

63 172.0 133.7 200.5

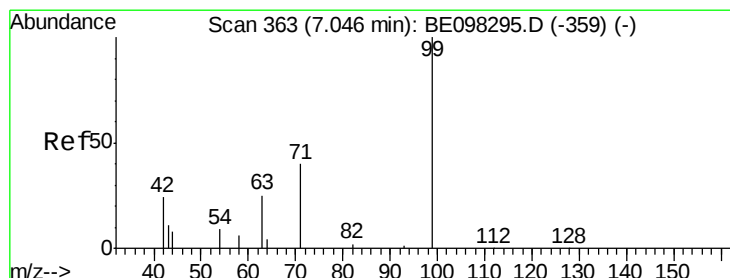
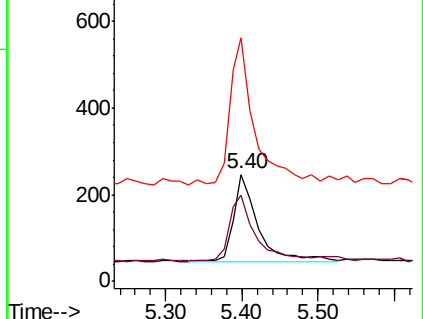
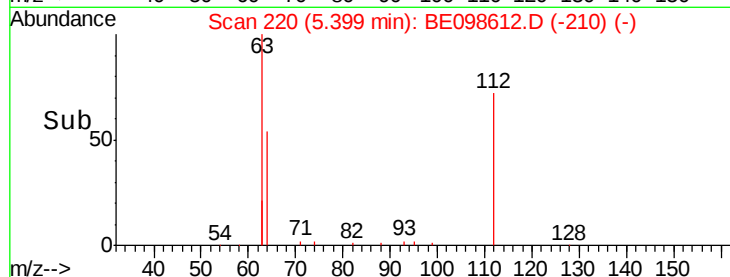


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



#5

Phenol-d6

Concen: 0.120 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

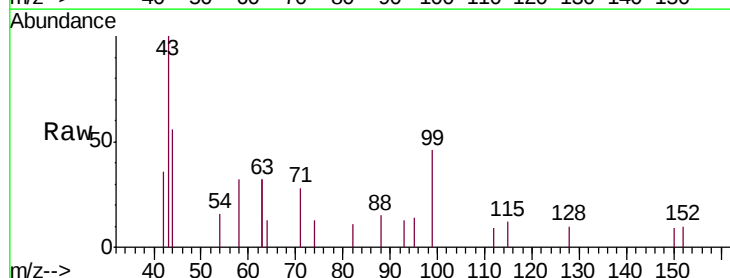
Tgt Ion: 99 Resp: 389

Ion Ratio Lower Upper

99 100

42 58.6 26.3 39.5#

71 64.0 33.6 50.4#

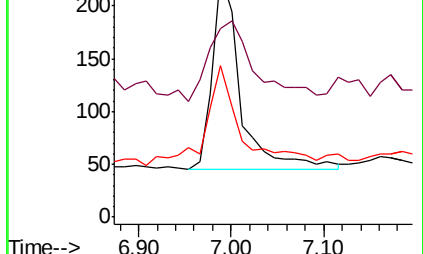
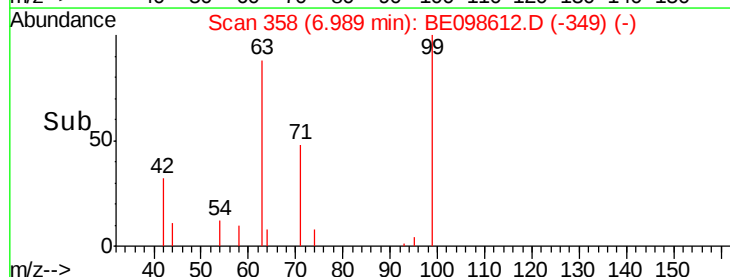


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

Tgt Ion: 136 Resp: 4342

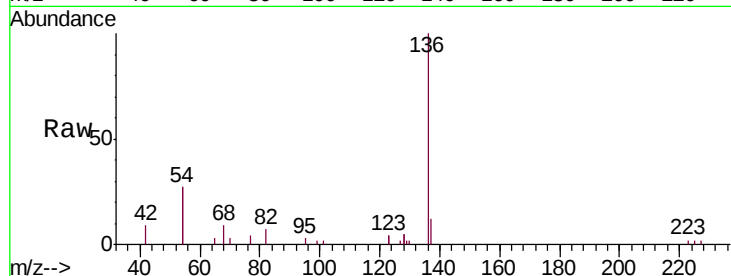
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 54.9 28.4 42.6#

68 8.8 5.4 8.0#

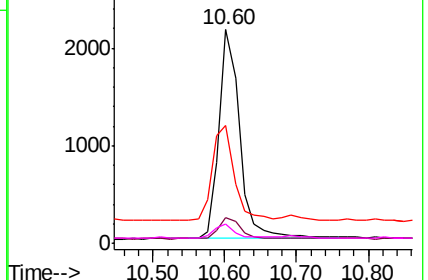
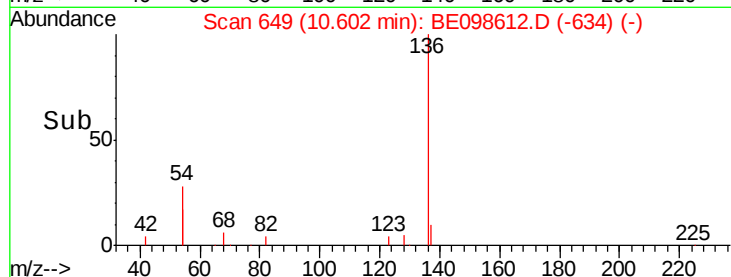


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.318 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

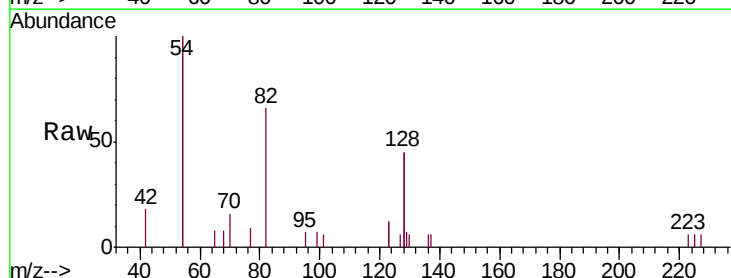
Tgt Ion: 82 Resp: 1258

Ion Ratio Lower Upper

82 100

128 136.3 102.4 153.6

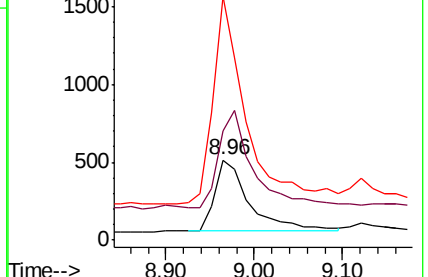
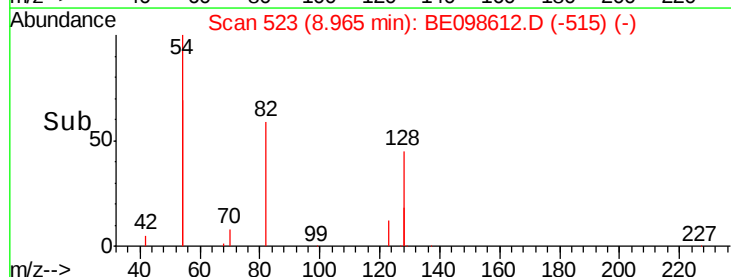
54 303.7 221.8 332.8

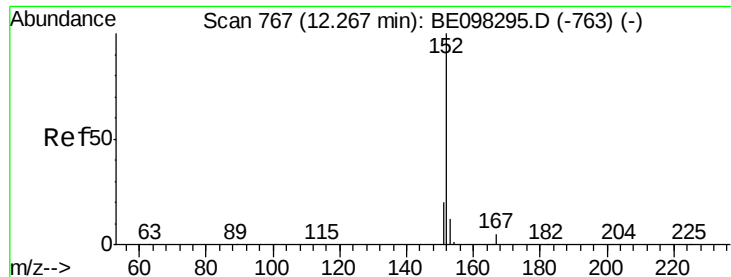


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

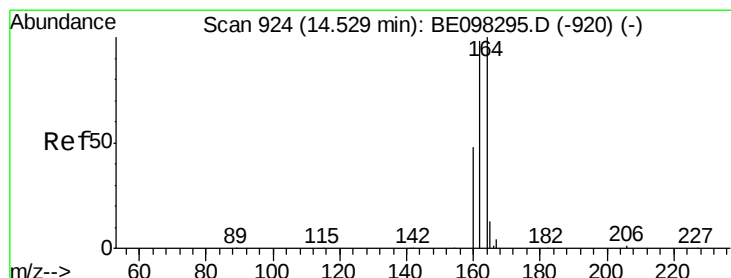
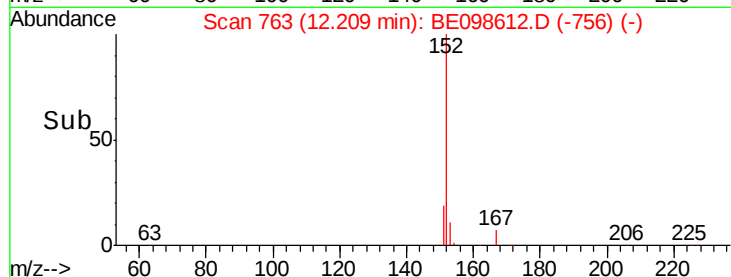
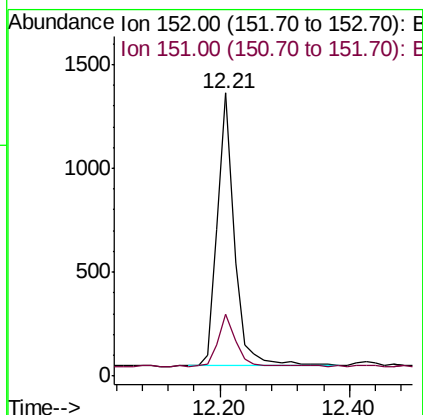
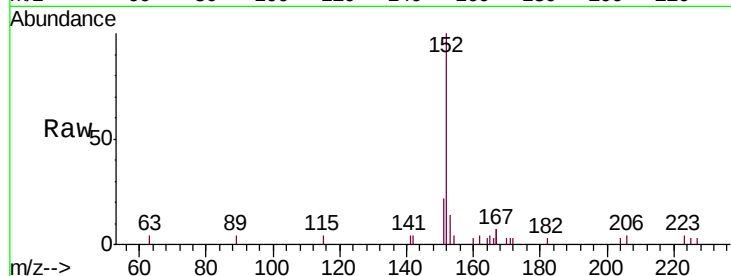




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.340 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.00 min  
 Lab File: BE098612.D  
 Acq: 2 Jan 2019 17:42

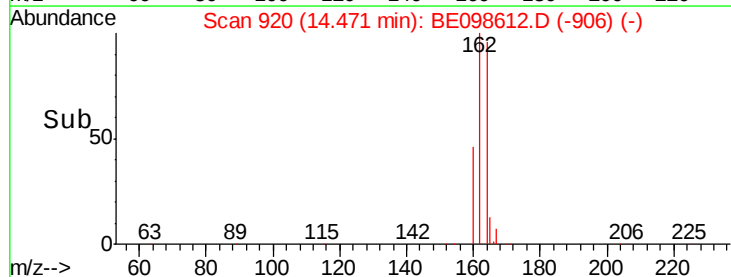
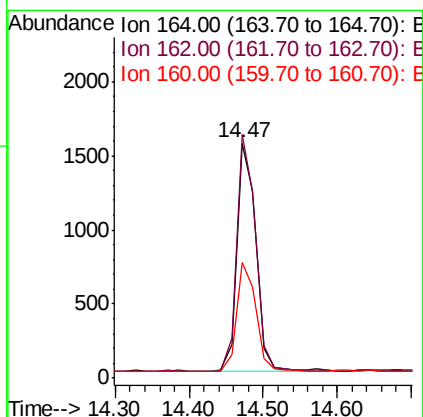
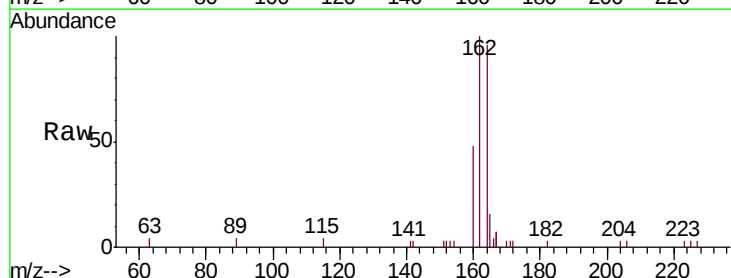
Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP03\_122718

Tgt Ion:152 Resp: 2398  
 Ion Ratio Lower Upper  
 152 100  
 151 19.3 16.2 24.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: BE098612.D  
 Acq: 2 Jan 2019 17:42

Tgt Ion:164 Resp: 2759  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 77.6 116.4  
 160 49.3 36.0 54.0

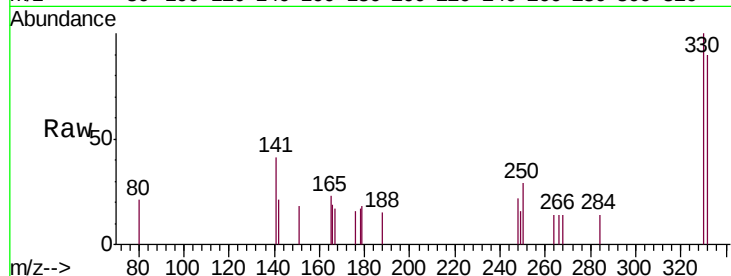




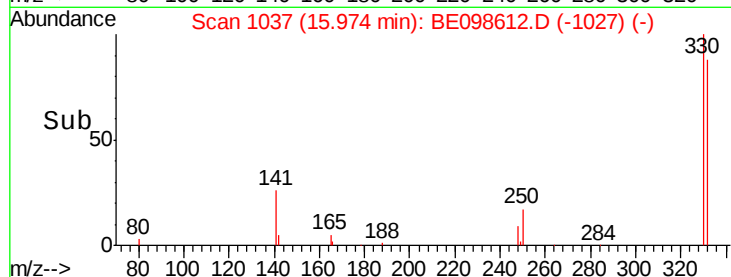
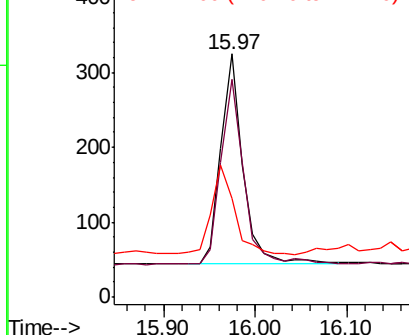
#14  
 2,4,6-Tribromophenol  
 Concen: 0.470 ng  
 RT: 15.97 min Scan# 1037  
 Delta R.T. 0.01 min  
 Lab File: BE098612.D  
 Acq: 2 Jan 2019 17:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP03\_122718

Tgt Ion: 330 Resp: 476  
 Ion Ratio Lower Upper  
 330 100  
 332 91.0 76.2 114.4  
 141 43.7 39.0 58.4

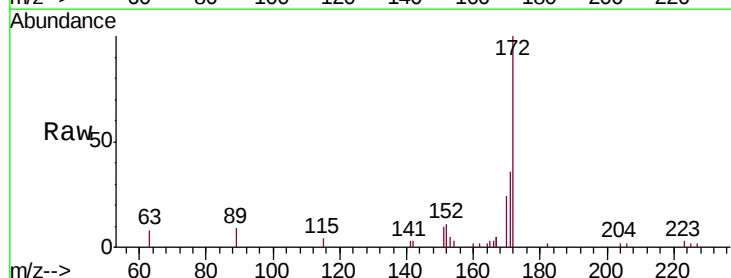


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

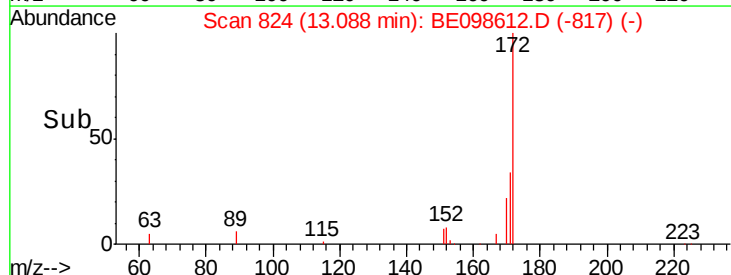
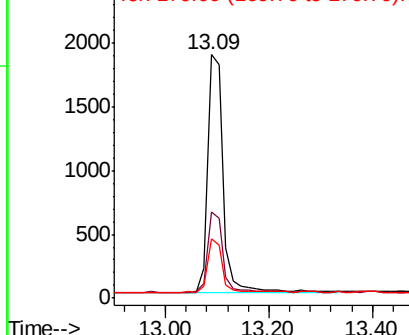


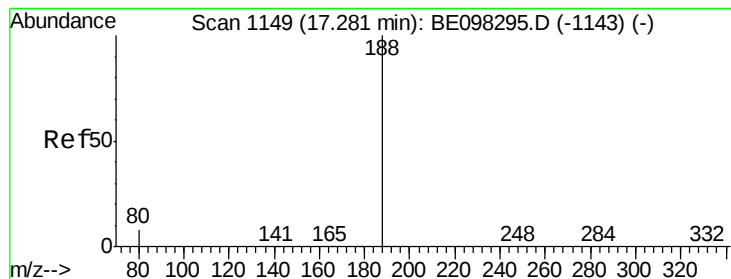
#15  
 2-Fluorobiphenyl  
 Concen: 0.337 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE098612.D  
 Acq: 2 Jan 2019 17:42

Tgt Ion: 172 Resp: 3924  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 27.5 41.3  
 170 24.2 19.6 29.4



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: 17.22 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

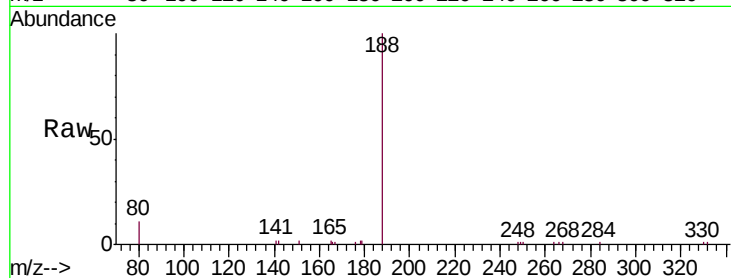
Tgt Ion:188 Resp: 6527

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

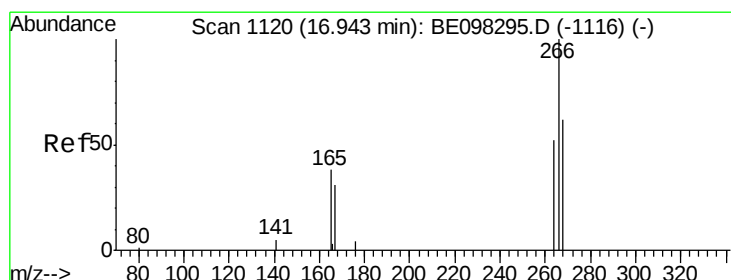
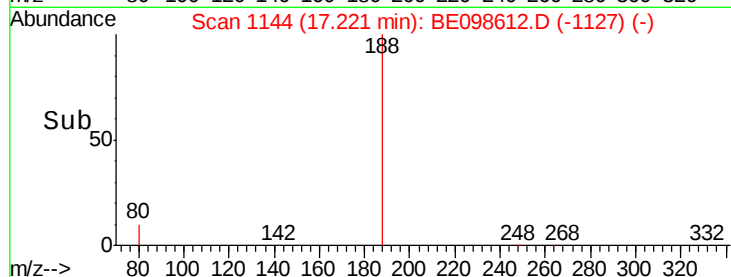
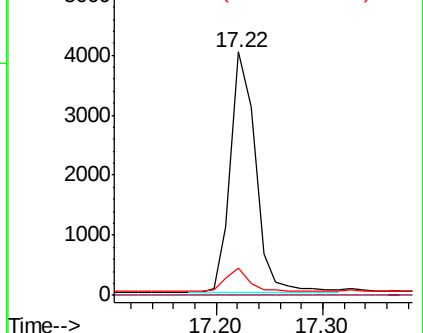
80 11.2 7.2 10.8#



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: 0.070 ng

RT: 16.89 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

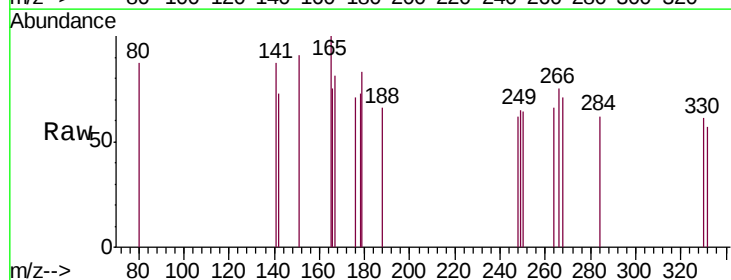
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 87.9 59.0 88.4

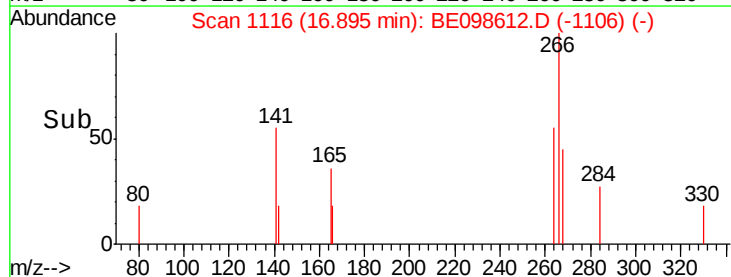
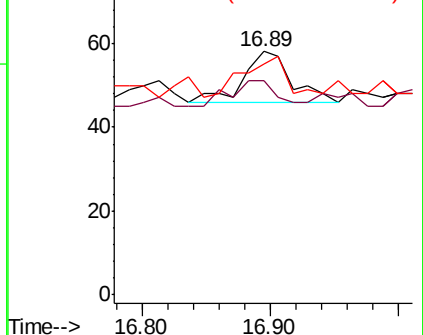
268 94.8 55.1 82.7#

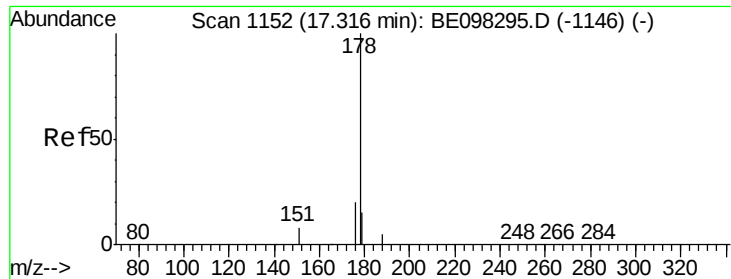


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.021 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.11 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

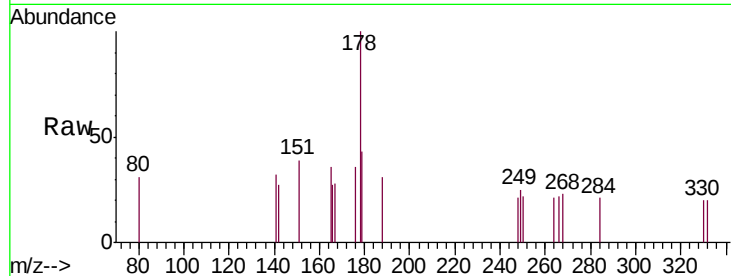
Tgt Ion:178 Resp: 332

Ion Ratio Lower Upper

178 100

176 17.2 15.9 23.9

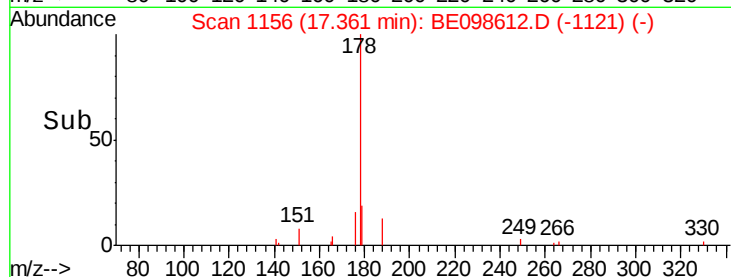
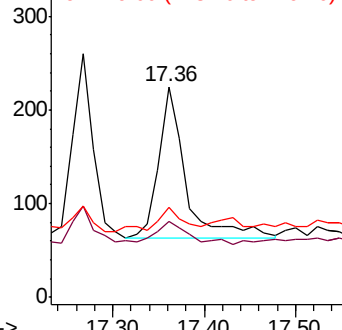
179 16.6 12.3 18.5



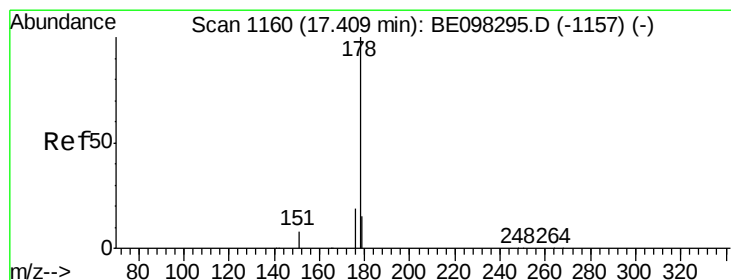
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.022 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

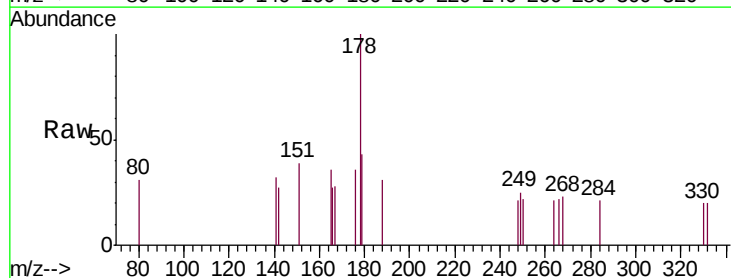
Tgt Ion:178 Resp: 318

Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

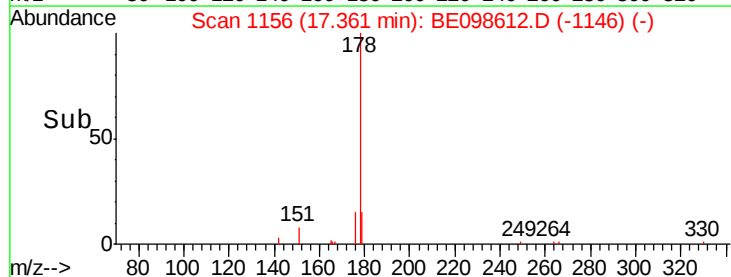
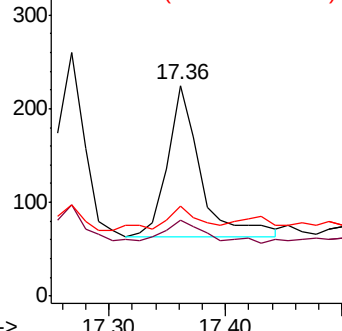
179 17.3 12.3 18.5



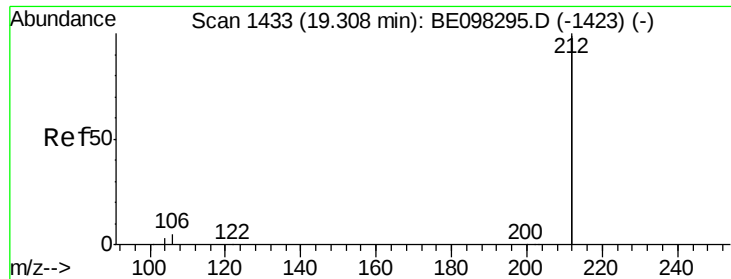
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 19.26 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

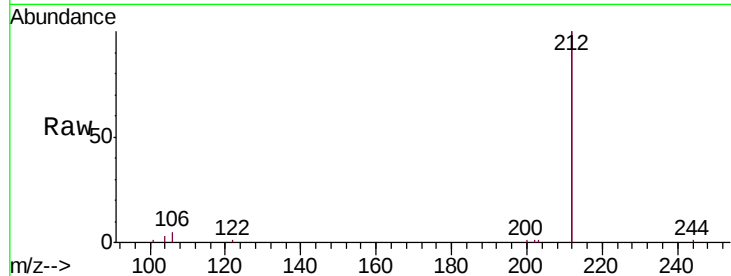
Tgt Ion:212 Resp: 29645

Ion Ratio Lower Upper

212 100

106 2.3 2.2 3.2

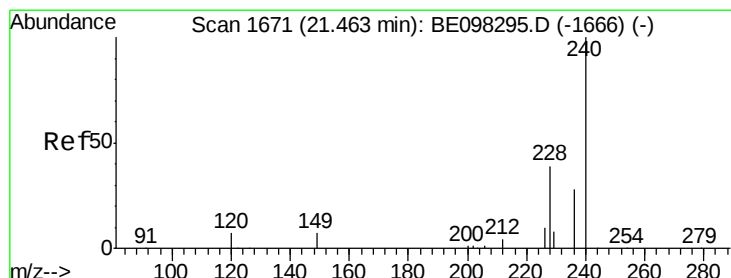
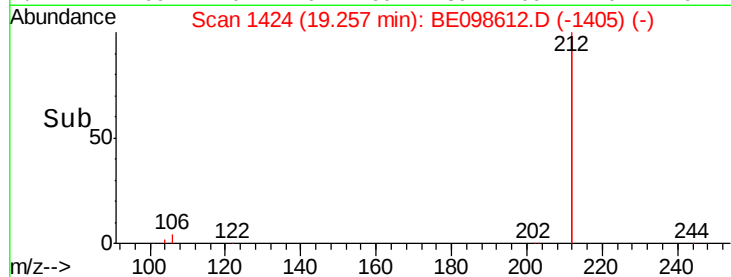
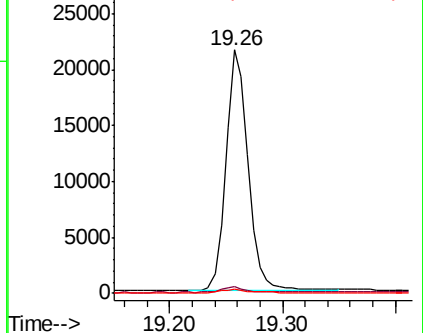
104 1.6 1.3 1.9



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: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

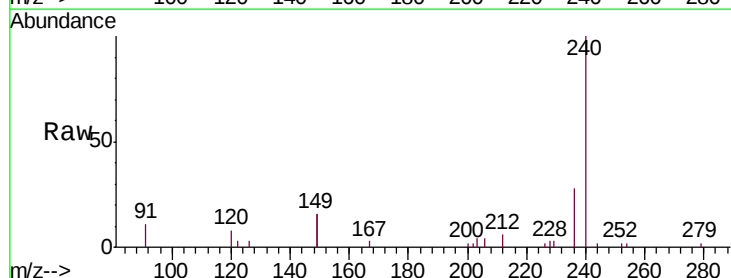
Tgt Ion:240 Resp: 7426

Ion Ratio Lower Upper

240 100

120 7.6 9.5 14.3#

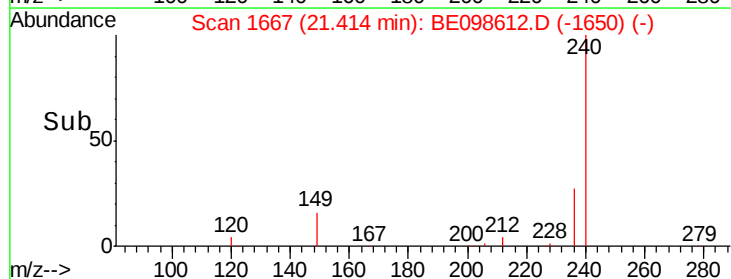
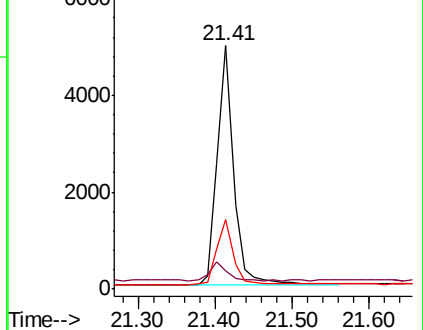
236 28.4 22.7 34.1

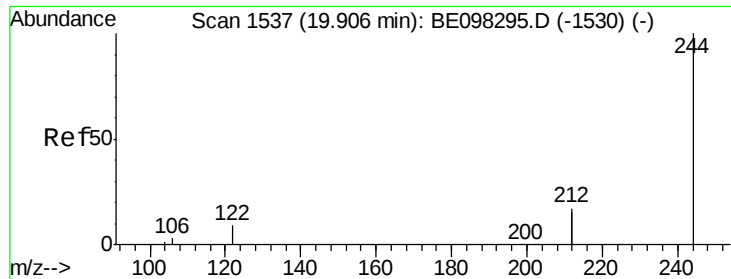


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.85 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718

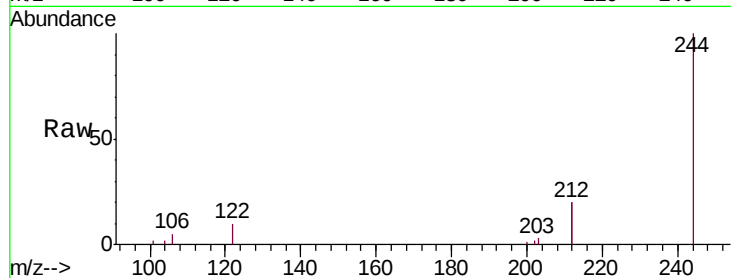
Tgt Ion:244 Resp: 7664

Ion Ratio Lower Upper

244 100

212 40.3 27.4 41.0

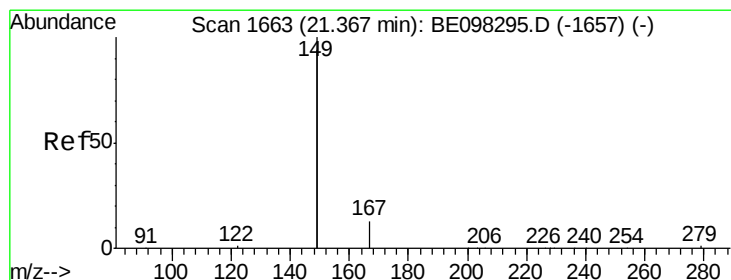
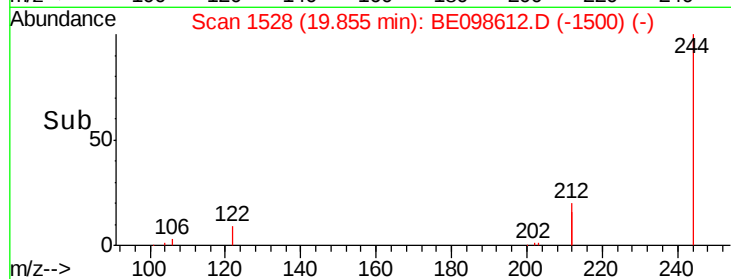
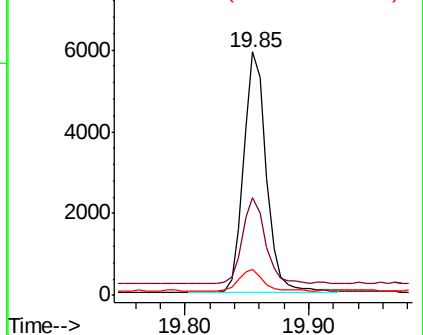
122 10.4 8.3 12.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.189 ng

RT: 21.32 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE098612.D

Acq: 2 Jan 2019 17:42

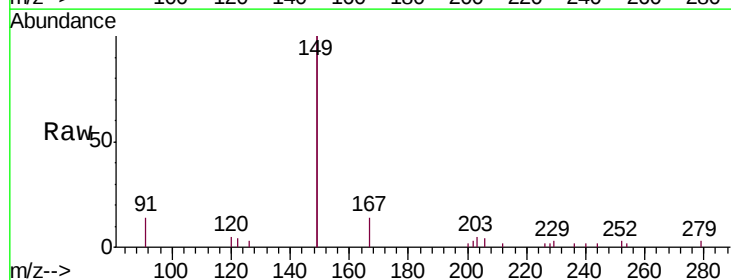
Tgt Ion:149 Resp: 8134

Ion Ratio Lower Upper

149 100

167 7.2 5.7 8.5

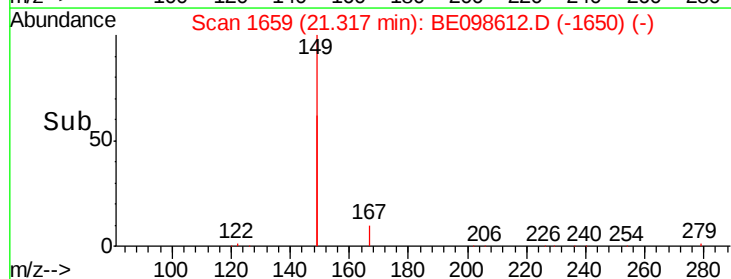
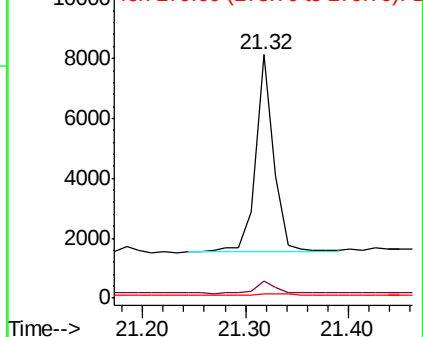
279 2.1 1.0 1.4#

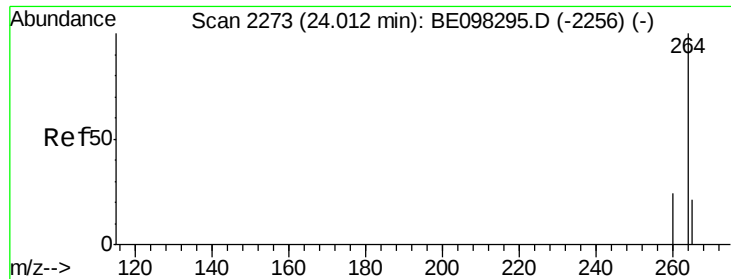


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.92 min Scan# 2247

Delta R.T. -0.03 min

Lab File: BE098612.D

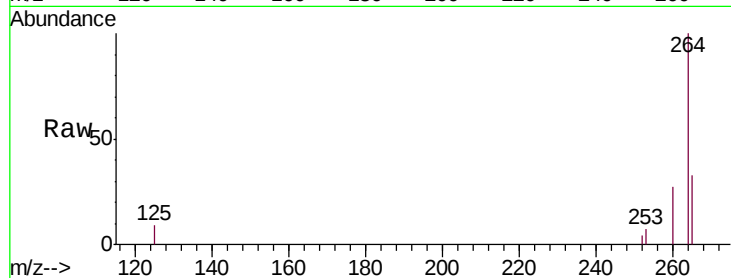
Acq: 2 Jan 2019 17:42

Instrument :

BNA\_E

ClientSampleId :

DUP03\_122718



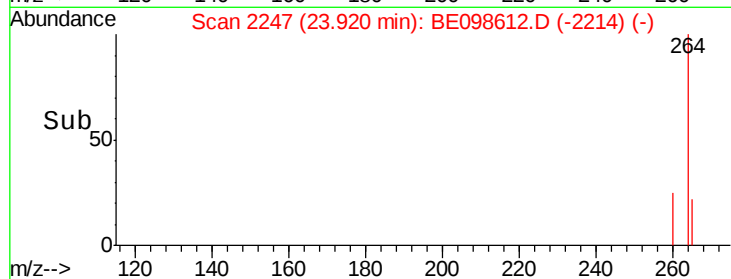
Tgt Ion: 264 Resp: 7282

Ion Ratio Lower Upper

264 100

260 26.5 20.2 30.2

265 32.8 25.2 37.8



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

