

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031819\  
 Data File : BE099003.D  
 Acq On : 18 Mar 2019 16:33  
 Operator : JU/SJ  
 Sample : K1912-01DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M3-T0-OZ(PRE)DL

Quant Time: Mar 19 02:24:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 15 05:31:33 2019  
 Response via : Initial Calibration

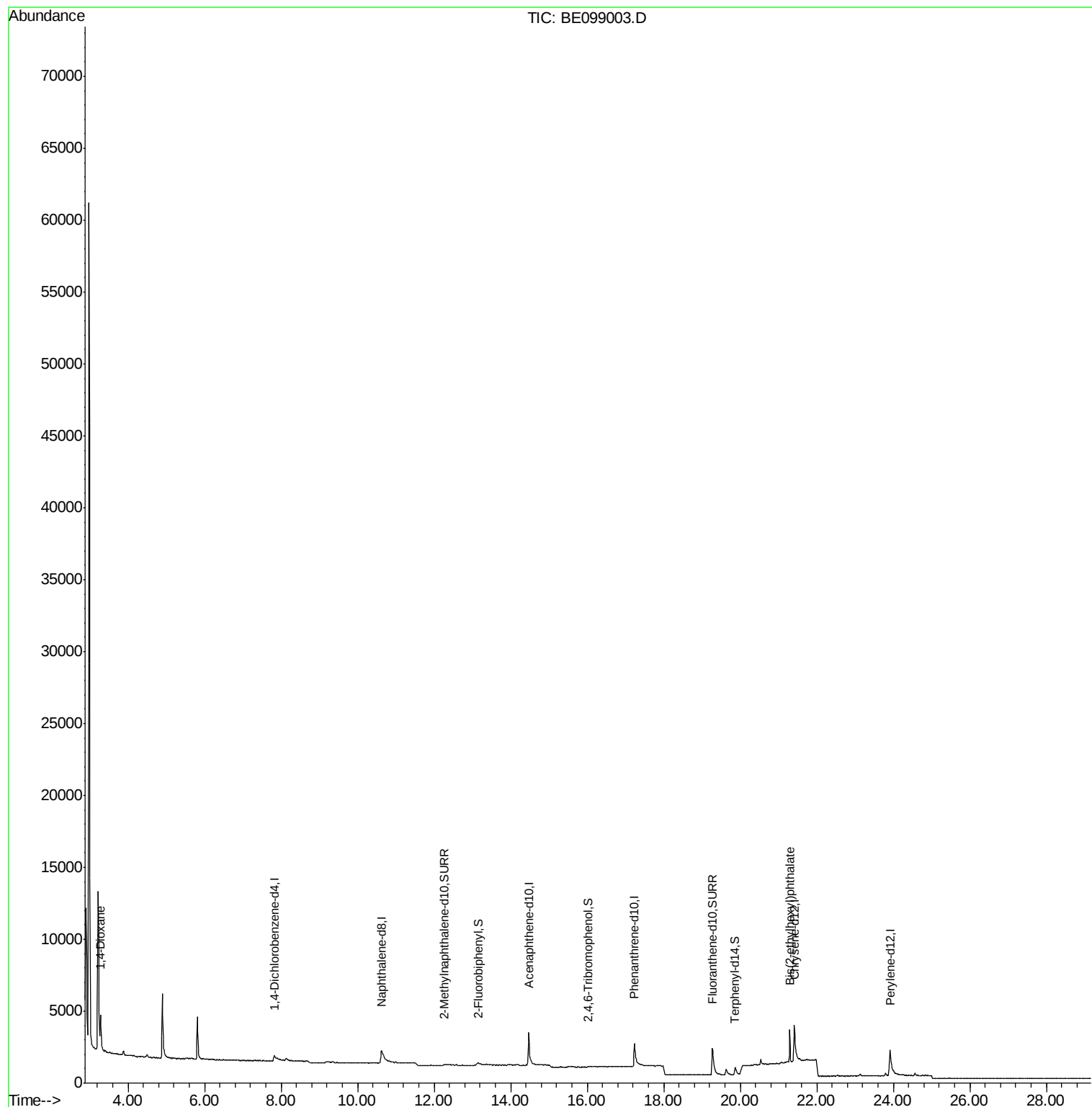
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.82  | 152  | 522      | 0.40  | ng    | 0.02     |
| 7) Naphthalene-d8              | 10.63 | 136  | 2988     | 0.40  | ng    | 0.04     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 2503     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 17.23 | 188  | 5906     | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 21.41 | 240  | 5670     | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.92 | 264  | 4904     | 0.40  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 4        | 0.00  | ng    | -0.02    |
| 5) Phenol-d6                   | 7.04  | 99   | 6        | 0.00  | ng    | 0.06     |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 6        | 0.00  | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 415      | 0.08  | ng    | 0.07     |
| 14) 2,4,6-Tribromophenol       | 16.02 | 330  | 26       | 0.02  | ng    | 0.05     |
| 15) 2-Fluorobiphenyl           | 13.14 | 172  | 801      | 0.08  | ng    | 0.06     |
| 25) Fluoranthene-d10           | 19.27 | 212  | 6167     | 0.07  | ng    | 0.02     |
| 29) Terphenyl-d14              | 19.86 | 244  | 1100     | 0.08  | ng    | 0.02     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.28  | 88   | 1440     | 1.688 | ng    | 96       |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2702     | 0.072 | ng    | 98       |

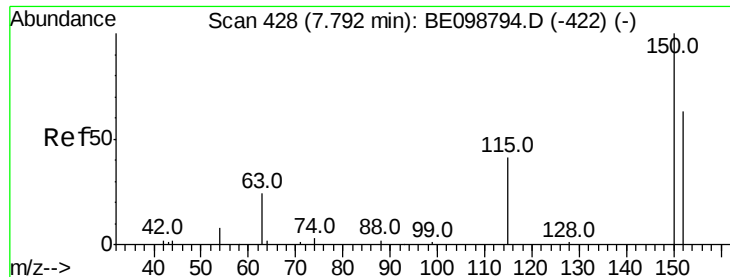
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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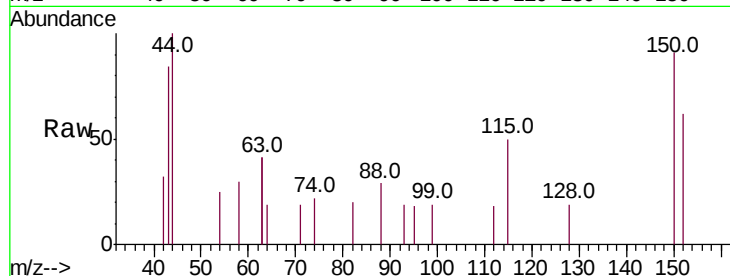


#1

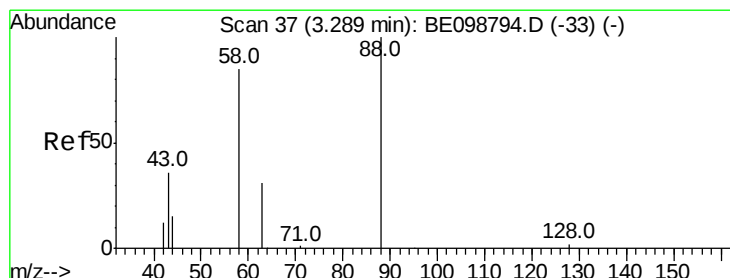
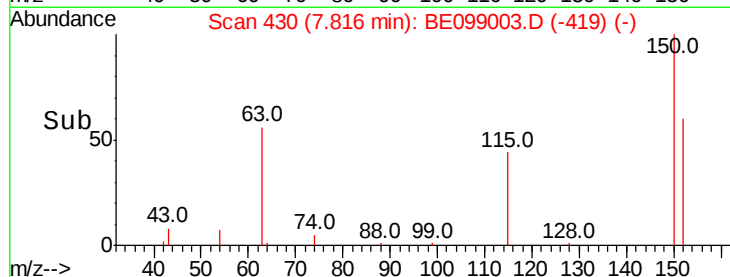
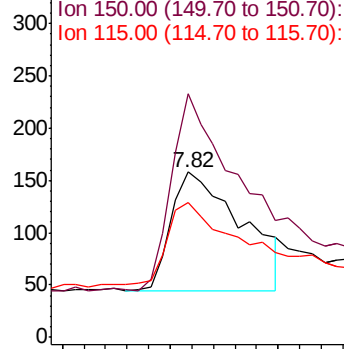
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.82 min Scan# 430  
 Delta R.T. 0.02 min  
 Lab File: BE099003.D  
 Acq: 18 Mar 2019 16:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M3-T0-OZ(PRE)DL

Tot Ion:152 Resp: 522  
 Ion Ratio Lower Upper  
 152 100  
 150 147.5 122.5 183.7  
 115 81.6 57.4 86.2



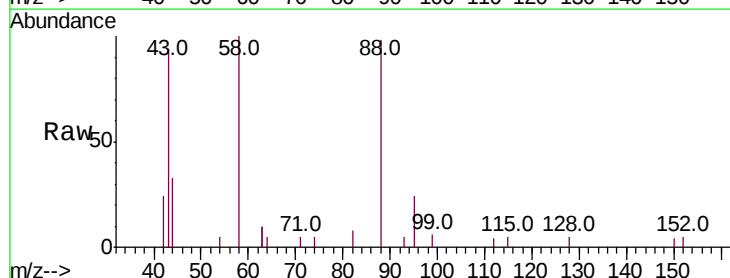
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



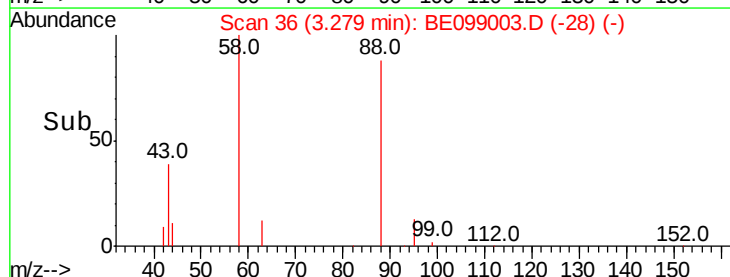
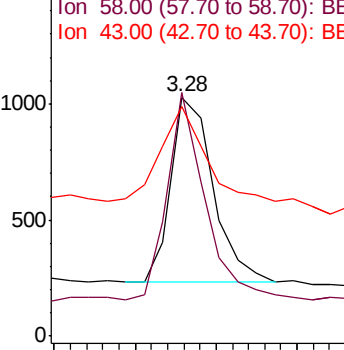
#2

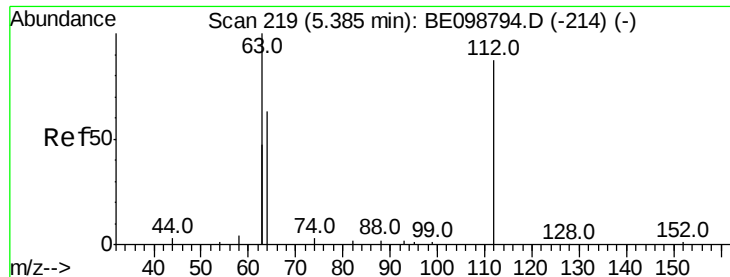
1,4-Dioxane  
 Concen: 1.688 ng  
 RT: 3.28 min Scan# 36  
 Delta R.T. -0.01 min  
 Lab File: BE099003.D  
 Acq: 18 Mar 2019 16:33

Tgt Ion: 88 Resp: 1440  
 Ion Ratio Lower Upper  
 88 100  
 58 100.2 75.8 113.6  
 43 52.8 41.8 62.8



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: 0.003 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.02 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

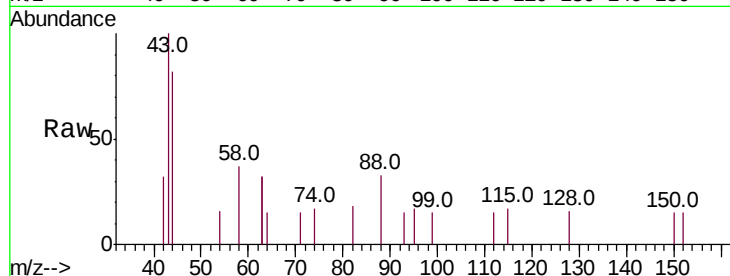
Tot Ion:112 Resp: 4

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

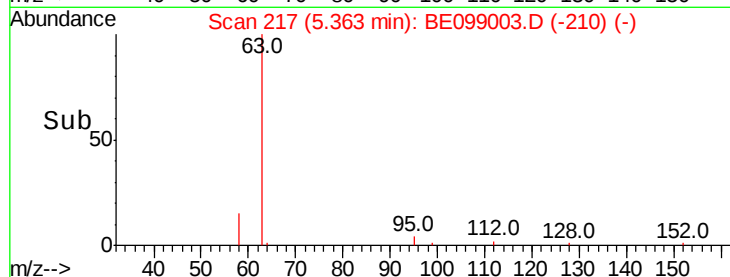
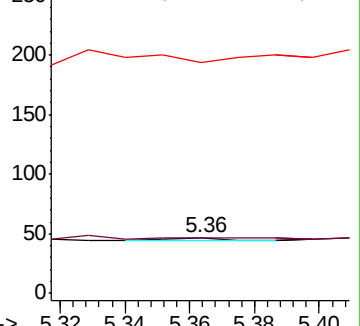
63 0.0 158.3 237.5#



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: 0.003 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.06 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

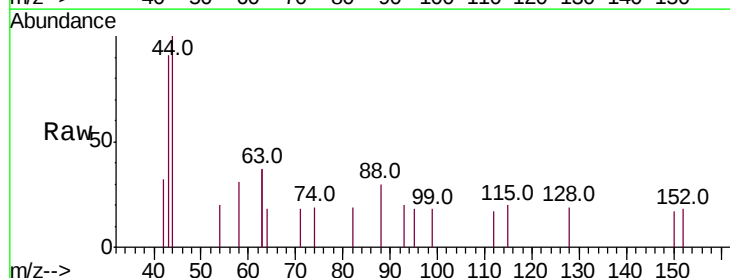
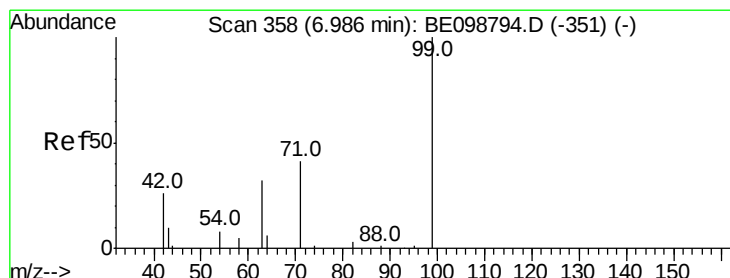
Tgt Ion: 99 Resp: 6

Ion Ratio Lower Upper

99 100

42 250.0 24.2 36.2#

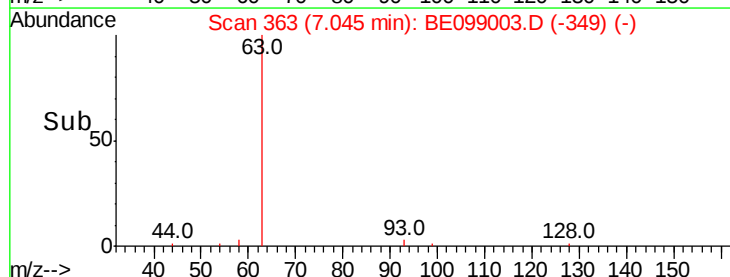
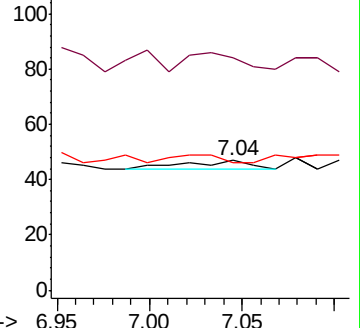
71 0.0 35.7 53.5#

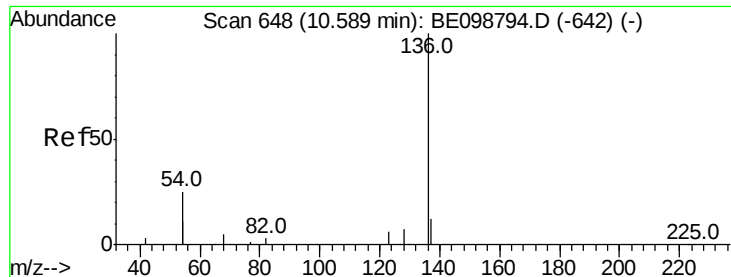


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.04 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

Tot Ion:136 Resp: 2988

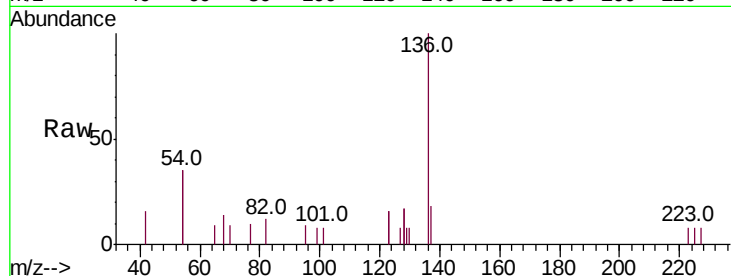
Ion Ratio Lower Upper

136 100

137 18.1 11.4 17.0#

54 70.1 39.3 58.9#

68 14.4 6.7 10.1#

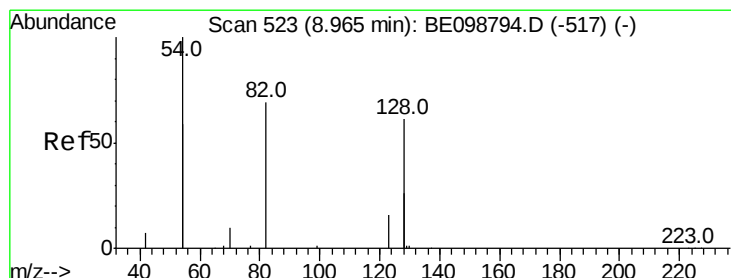
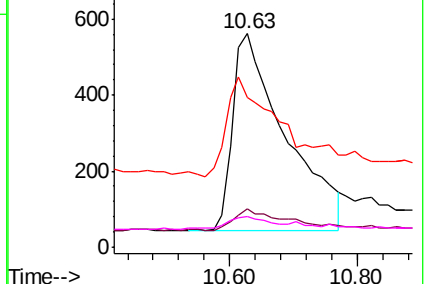
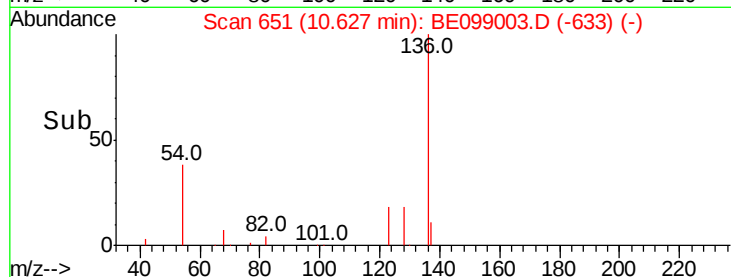


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.002 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

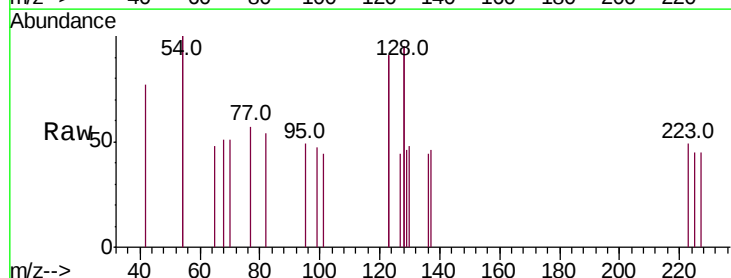
Tgt Ion: 82 Resp: 6

Ion Ratio Lower Upper

82 100

128 354.7 123.8 185.8#

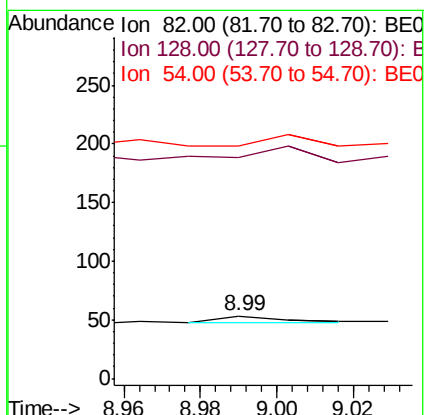
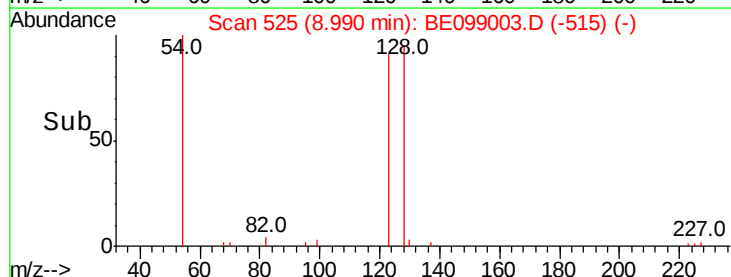
54 373.6 203.4 305.2#

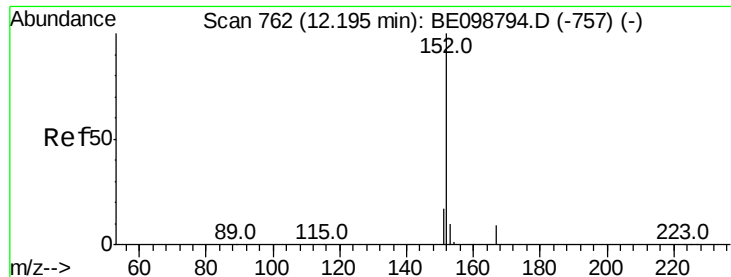


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

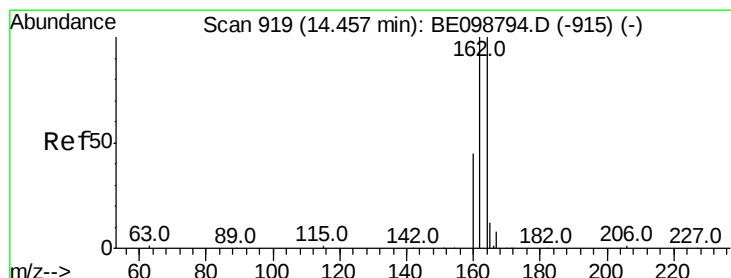
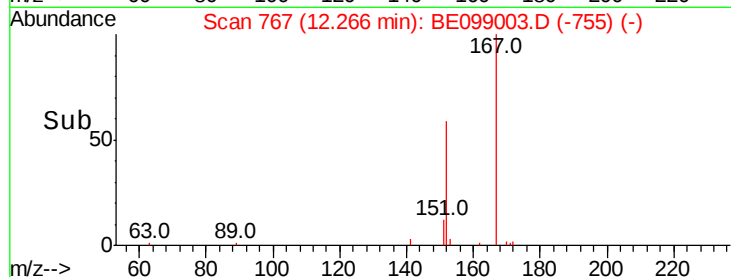
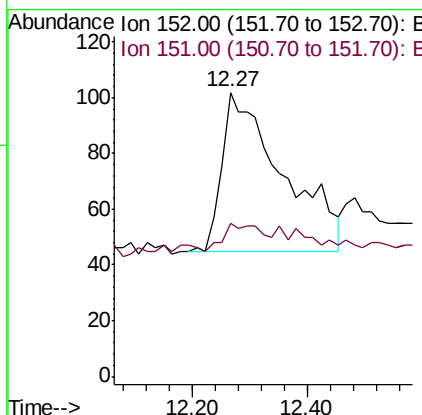
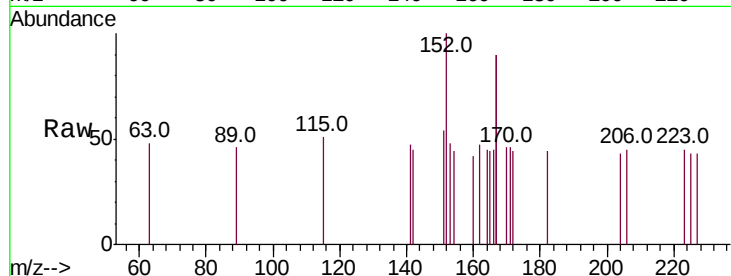




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.075 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. 0.07 min  
 Lab File: BE099003.D  
 Acq: 18 Mar 2019 16:33

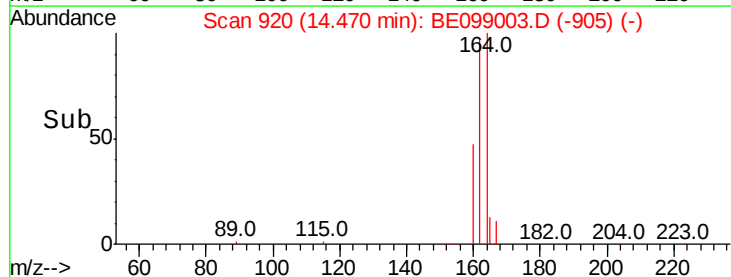
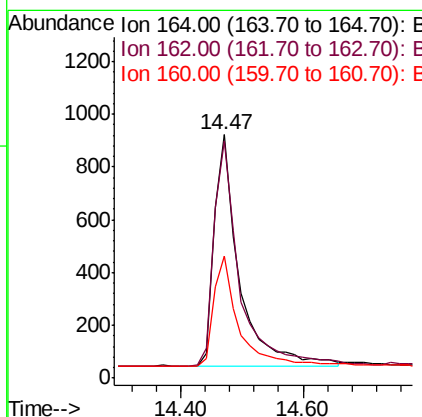
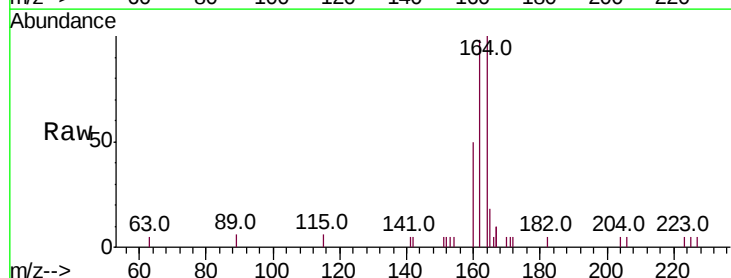
Instrument :  
 BNA\_E  
 ClientSampleId :  
 M3-T0-OZ(PRE)DL

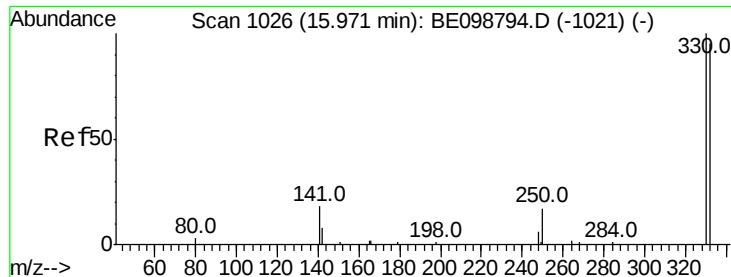
Tot Ion:152 Resp: 415  
 Ion Ratio Lower Upper  
 152 100  
 151 11.1 16.5 24.7#



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. 0.01 min  
 Lab File: BE099003.D  
 Acq: 18 Mar 2019 16:33

Tgt Ion:164 Resp: 2503  
 Ion Ratio Lower Upper  
 164 100  
 162 97.5 80.2 120.2  
 160 50.1 37.8 56.8





#14

2,4,6-Tribromophenol

Concen: 0.021 ng

RT: 16.02 min Scan# 1030

Delta R.T. 0.05 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

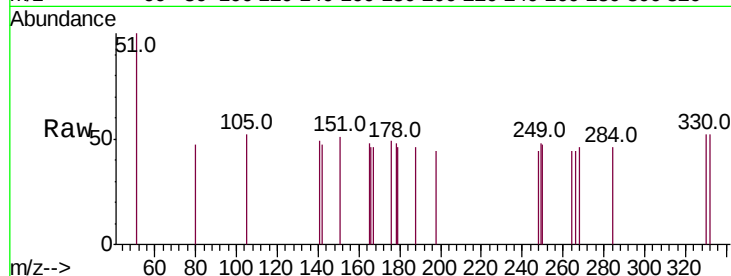
Tot Ion:330 Resp: 26

Ion Ratio Lower Upper

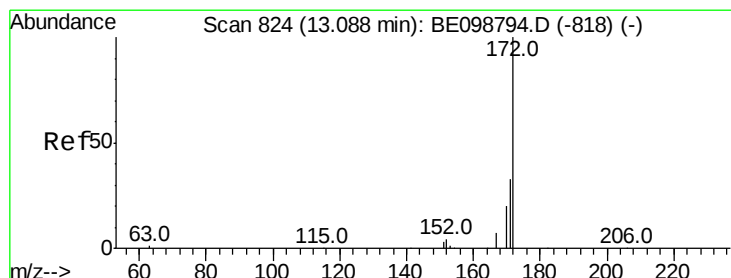
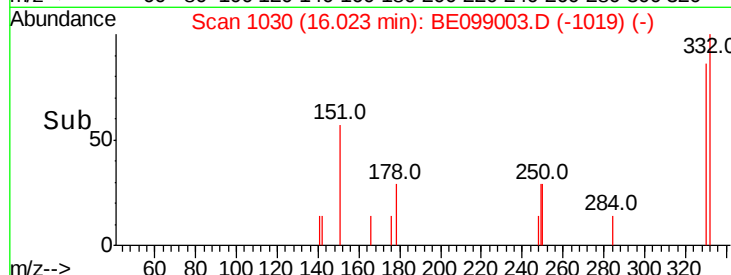
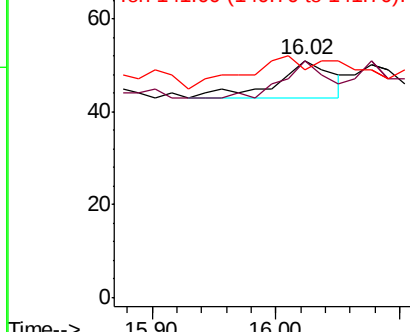
330 100

332 73.1 77.6 116.4#

141 84.6 31.0 46.4#



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: 0.077 ng

RT: 13.14 min Scan# 828

Delta R.T. 0.06 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

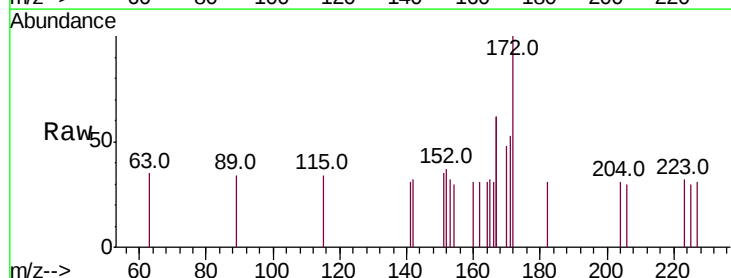
Tgt Ion:172 Resp: 801

Ion Ratio Lower Upper

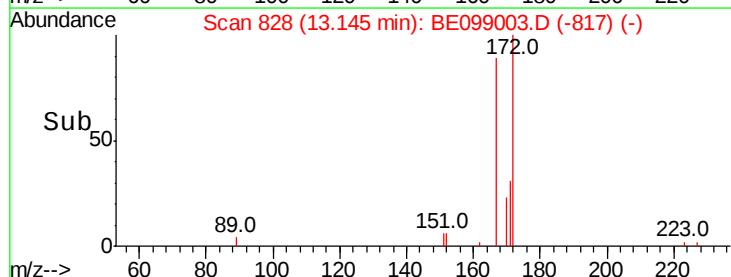
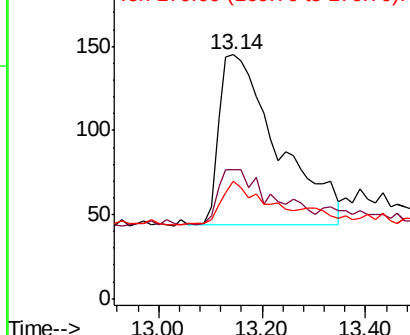
172 100

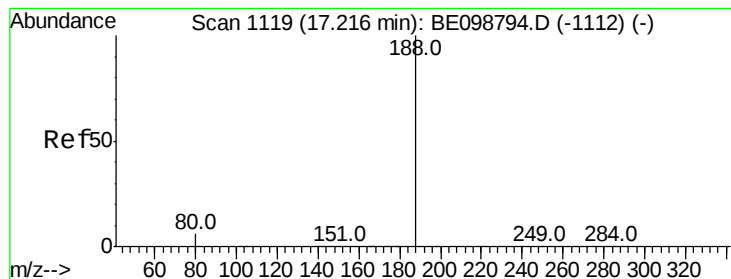
171 53.1 28.0 42.0#

170 48.3 17.7 26.5#



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. 0.01 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

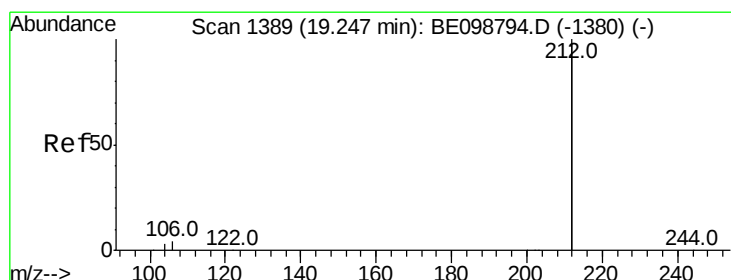
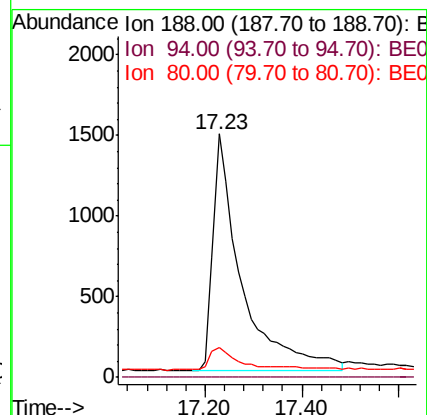
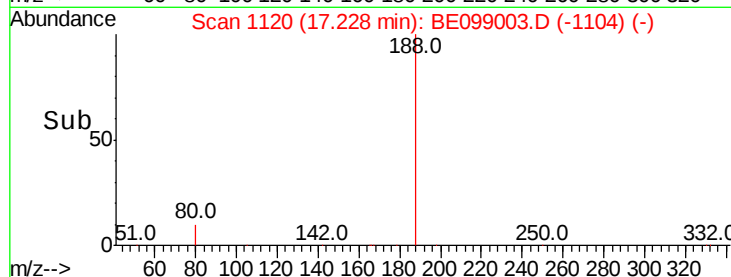
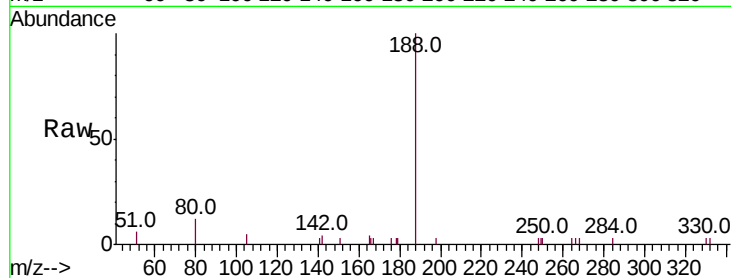
Tot Ion:188 Resp: 5906

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.5 6.3 9.5#



#25

Fluoranthene-d10

Concen: 0.065 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.02 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

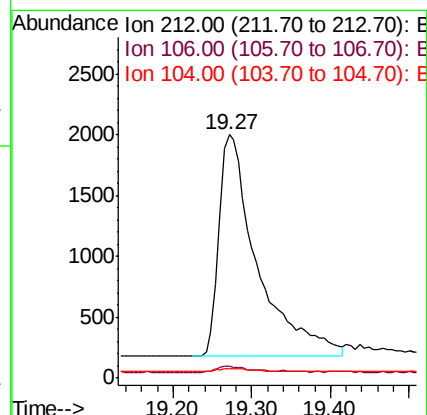
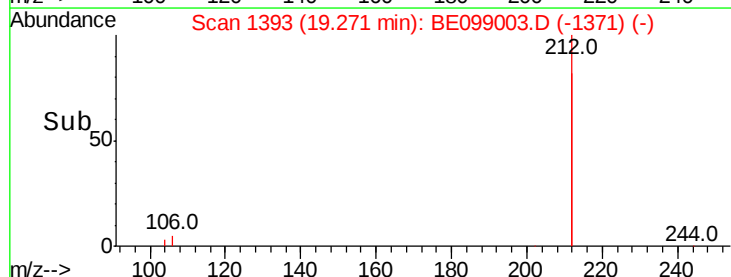
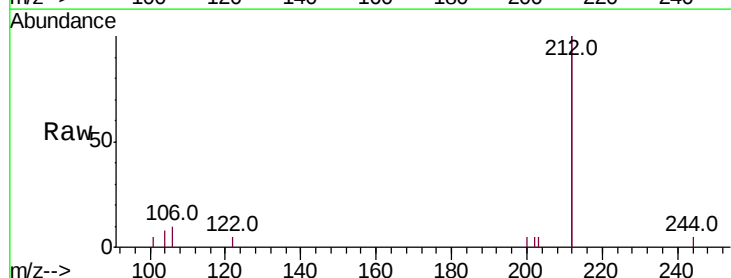
Tgt Ion:212 Resp: 6167

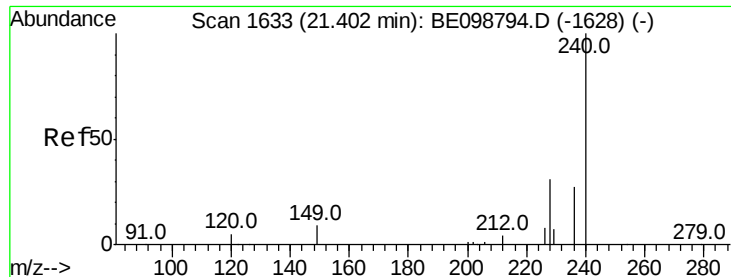
Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

104 1.5 1.0 1.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

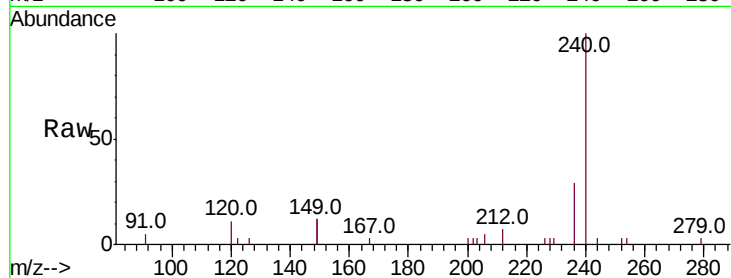
Tot Ion:240 Resp: 5670

Ion Ratio Lower Upper

240 100

120 10.8 5.0 7.4#

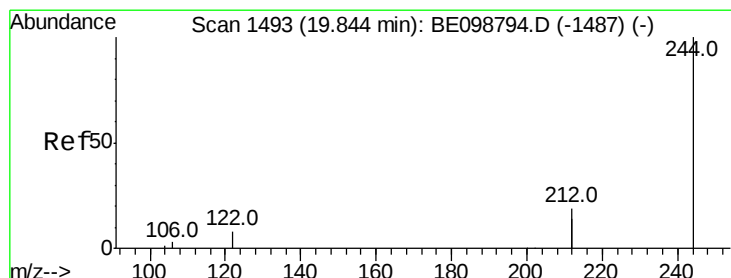
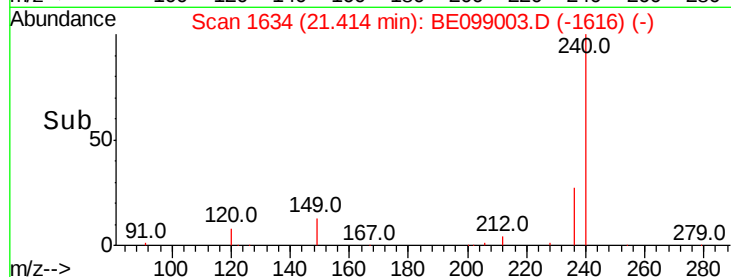
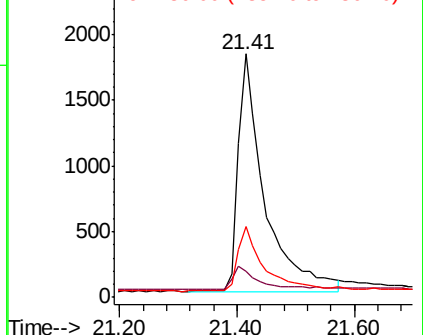
236 28.9 22.7 34.1



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: 0.080 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.02 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

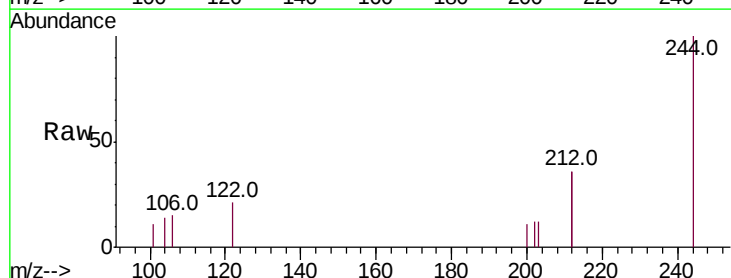
Tgt Ion:244 Resp: 1100

Ion Ratio Lower Upper

244 100

212 72.4 29.4 44.2#

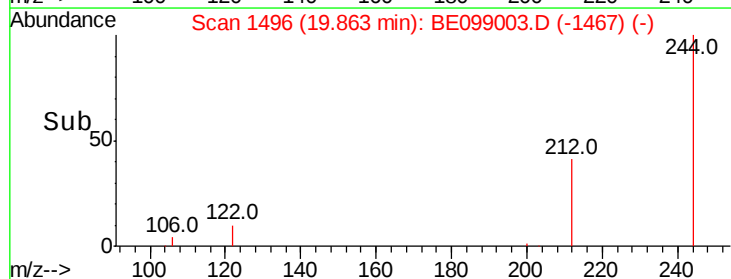
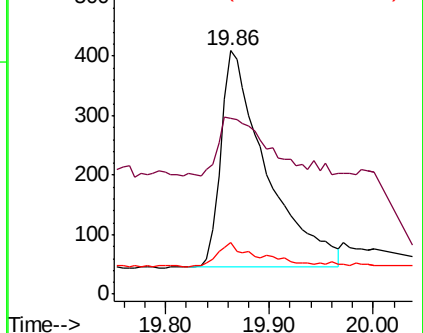
122 21.0 7.1 10.7#

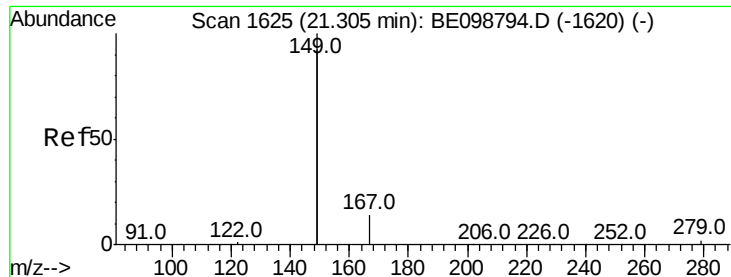


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.072 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

Instrument :

BNA\_E

ClientSampleId :

M3-T0-OZ(PRE)DL

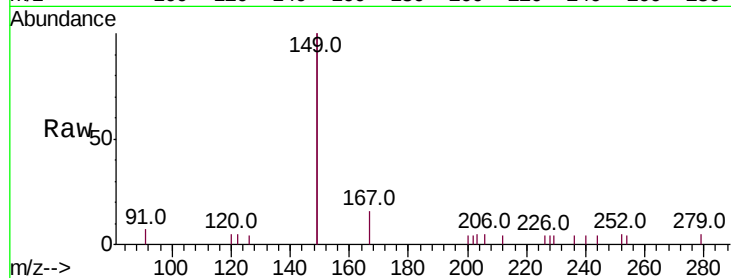
Tot Ion:149 Resp: 2702

Ion Ratio Lower Upper

149 100

167 7.5 5.4 8.0

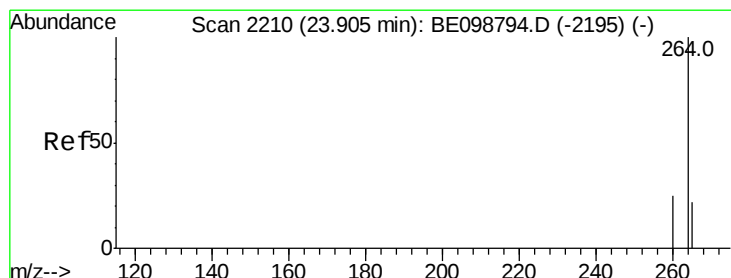
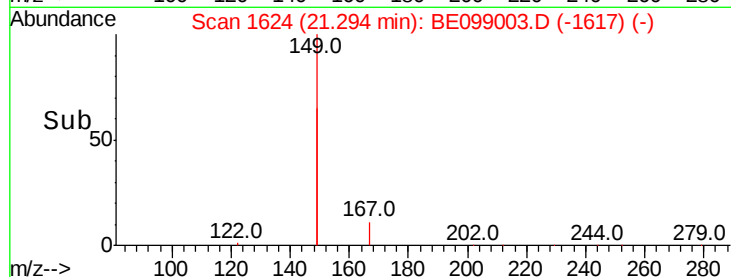
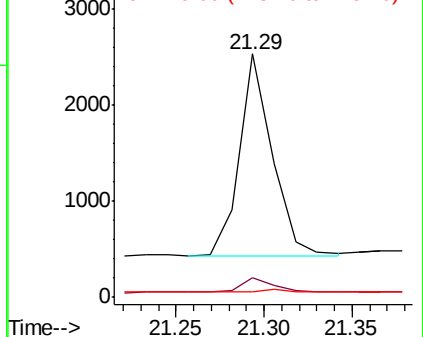
279 1.3 1.0 1.4



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# 2213

Delta R.T. 0.01 min

Lab File: BE099003.D

Acq: 18 Mar 2019 16:33

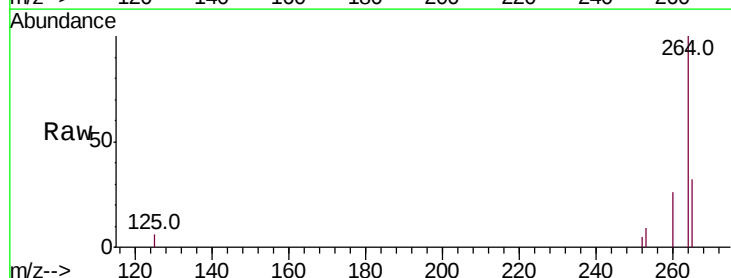
Tgt Ion:264 Resp: 4904

Ion Ratio Lower Upper

264 100

260 26.2 21.2 31.8

265 32.0 24.6 36.8



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

