

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\  
 Data File : BE096312.D  
 Acq On : 3 May 2018 2:13  
 Operator : SJ/JU  
 Sample : J2662-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 03 02:54:14 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 14:27:29 2018  
 Response via : Initial Calibration

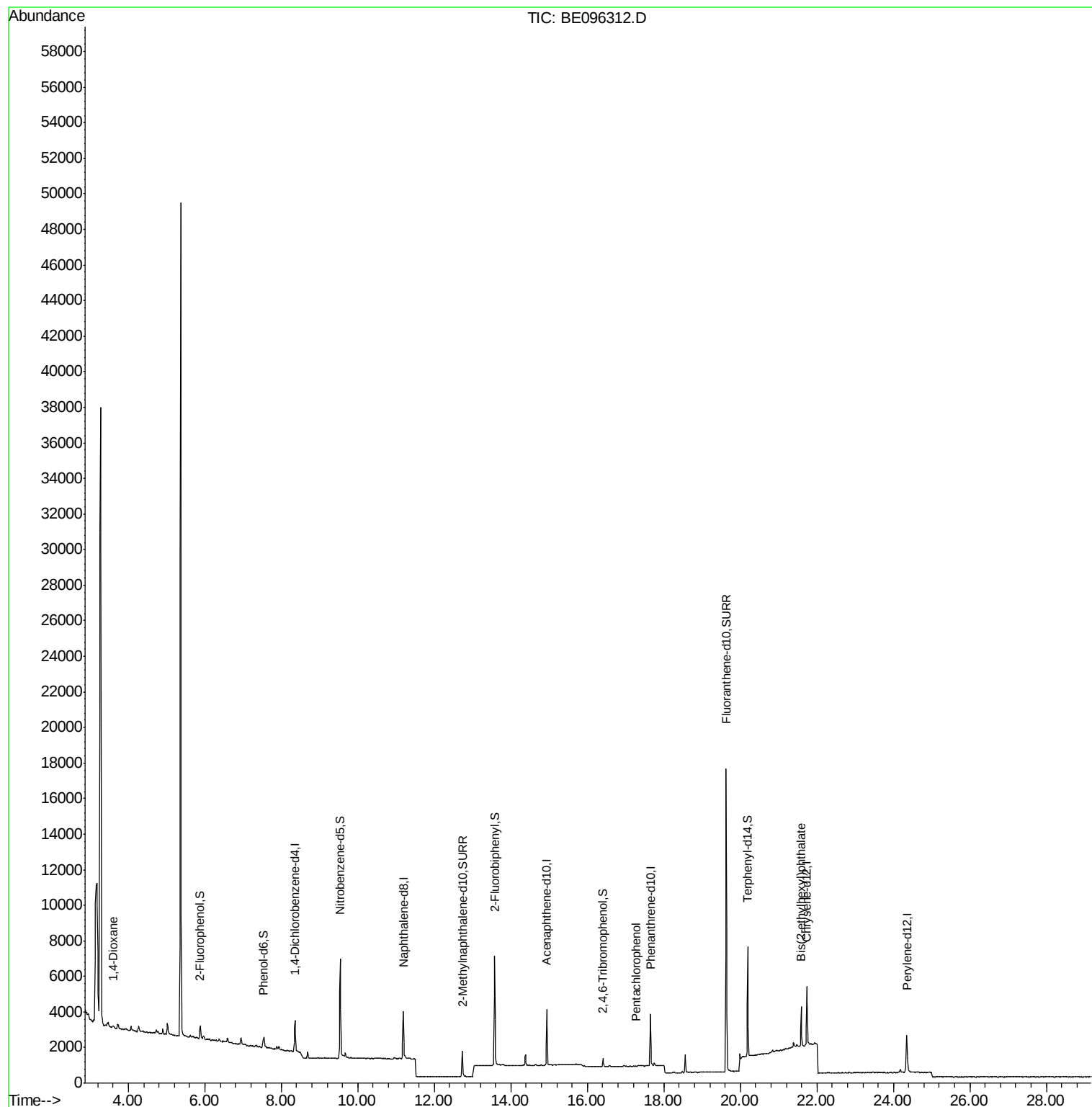
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.36  | 152  | 912      | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 11.19 | 136  | 3359     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.93 | 164  | 1785     | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 17.65 | 188  | 4064     | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.74 | 240  | 3819     | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 24.35 | 264  | 3521     | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.88  | 112  | 423      | 0.15  | ng    | 0.02        |
| 5) Phenol-d6                   | 7.52  | 99   | 335      | 0.09  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 9.54  | 82   | 2273     | 0.58  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.73 | 152  | 2107     | 0.40  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 16.41 | 330  | 291      | 0.34  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.57 | 172  | 5654     | 0.74  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.63 | 212  | 22547    | 0.41  | ng    | 0.00        |
| 29) Terphenyl-d14              | 20.19 | 244  | 5650     | 0.67  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.61  | 88   | 87       | 0.062 | ng    | Qvalue # 70 |
| 22) Pentachlorophenol          | 17.28 | 266  | 3        | 0.138 | ng    | 92          |
| 32) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 2575     | 0.081 | ng    | # 97        |

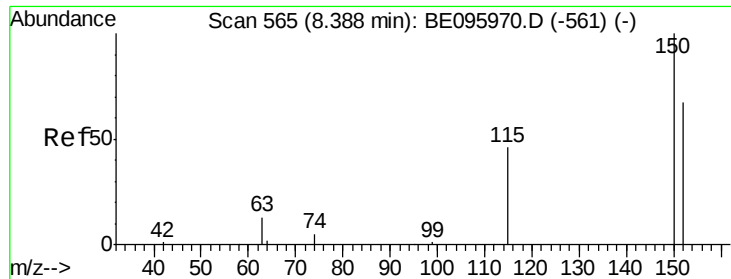
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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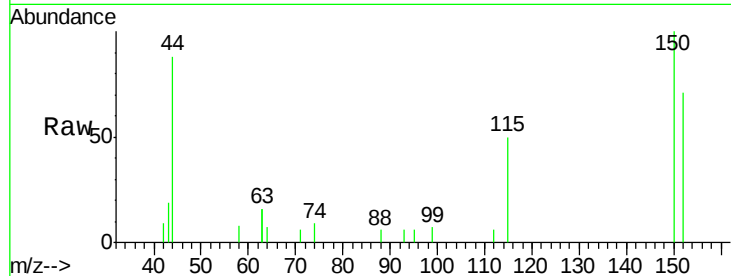


#1

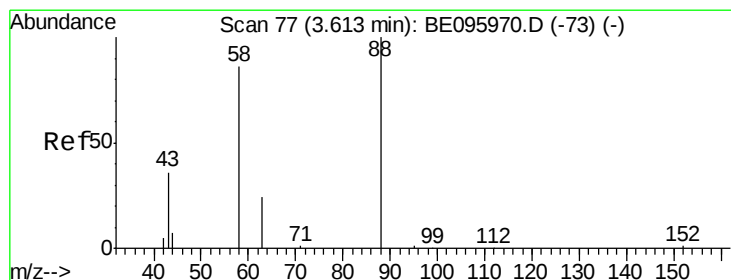
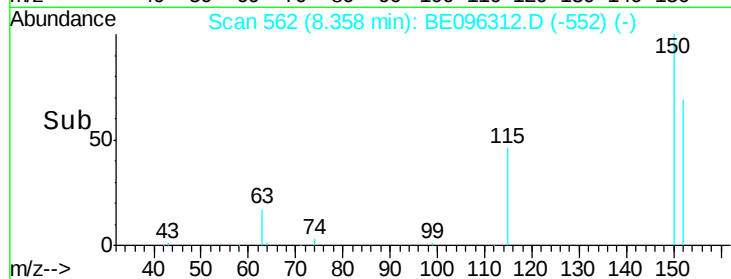
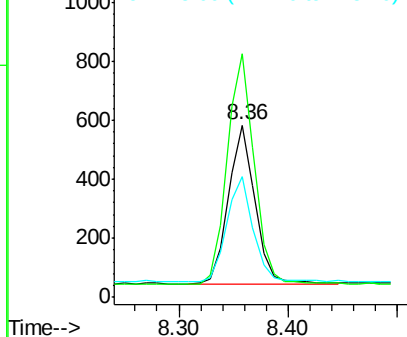
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.36 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: BE096312.D  
Acq: 3 May 2018 2:13

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 912  
Ion Ratio Lower Upper  
152 100  
150 141.6 117.2 175.8  
115 70.3 57.0 85.6



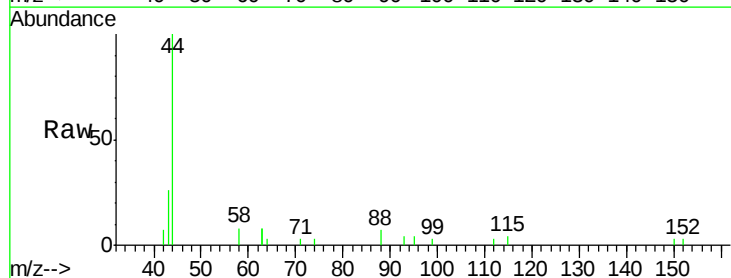
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



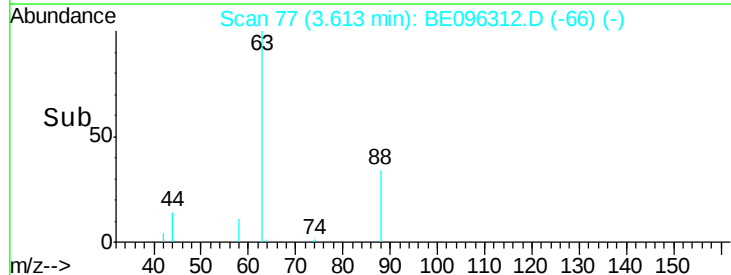
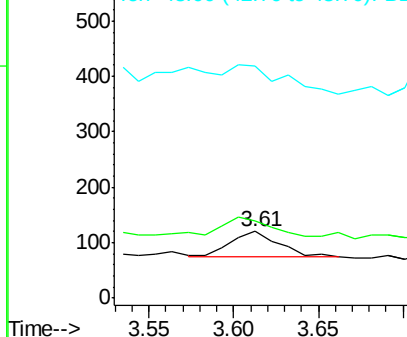
#2

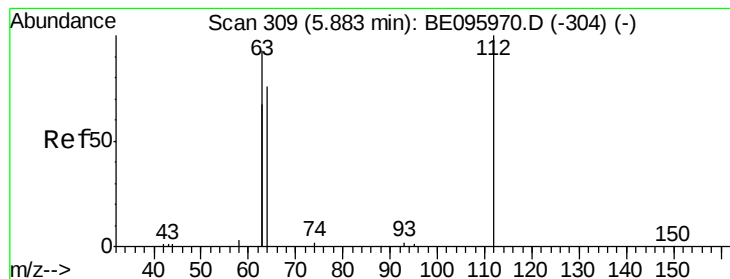
1,4-Dioxane  
Concen: 0.062 ng  
RT: 3.61 min Scan# 77  
Delta R.T. 0.01 min  
Lab File: BE096312.D  
Acq: 3 May 2018 2:13

Tgt Ion: 88 Resp: 87  
Ion Ratio Lower Upper  
88 100  
58 78.2 63.2 94.8  
43 0.0 41.2 61.8#



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: 0.150 ng

RT: 5.88 min Scan# 309

Delta R.T. 0.02 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

Instrument :

BNA\_E

ClientSampleId :

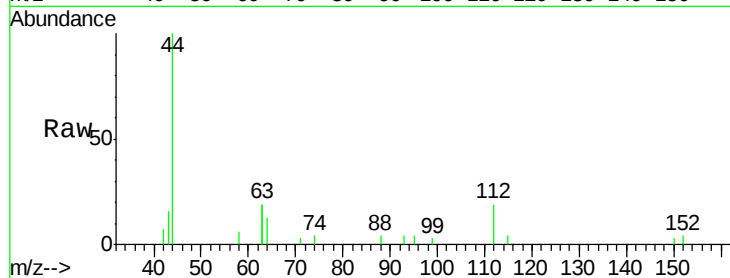
Tot Ion:112 Resp: 423

Ion Ratio Lower Upper

112 100

64 78.3 60.1 90.1

63 181.8 116.8 175.2#



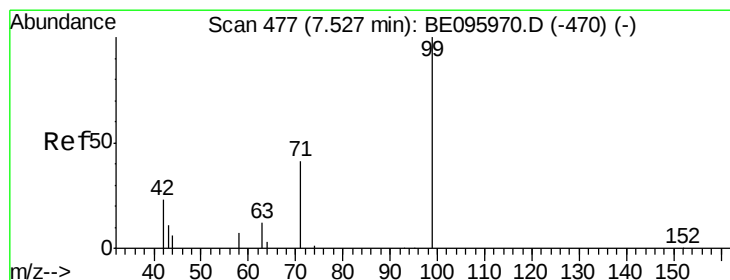
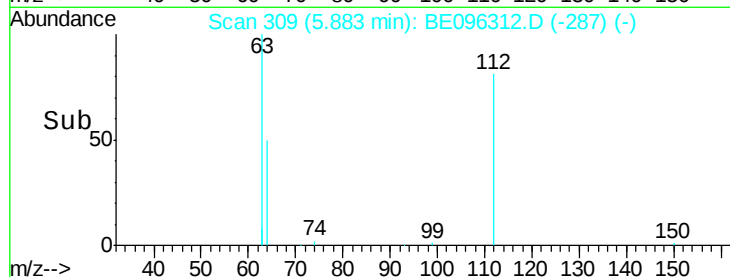
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->

5.88



#5

Phenol-d6

Concen: 0.086 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

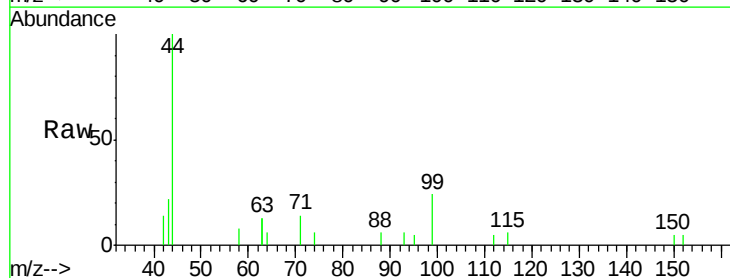
Tgt Ion: 99 Resp: 335

Ion Ratio Lower Upper

99 100

42 37.3 20.2 30.2#

71 40.3 28.4 42.6



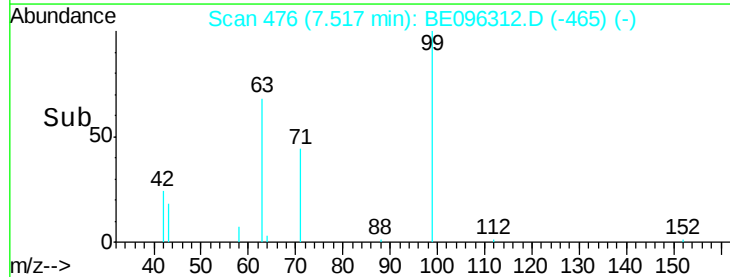
Abundance Ion 99.00 (98.70 to 99.70): BE0

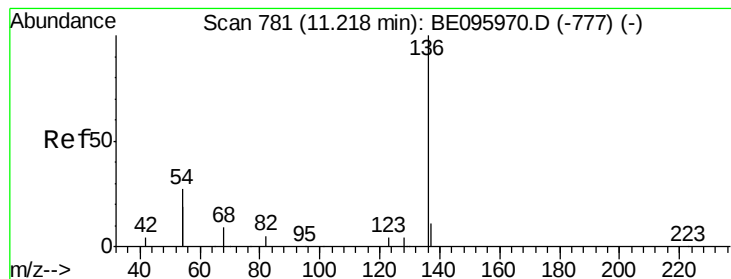
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->

7.52





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

Instrument :

BNA\_E

ClientSampled :

Tot Ion:136 Resp: 3359

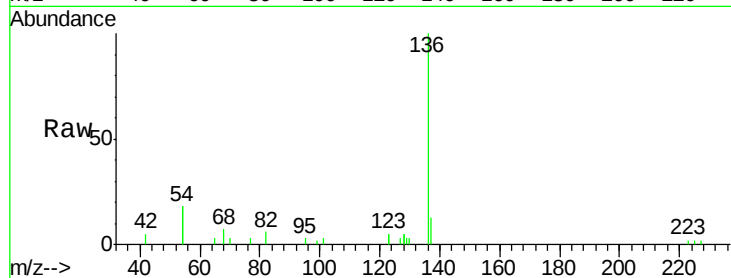
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 35.8 29.1 43.7

68 6.8 6.2 9.2

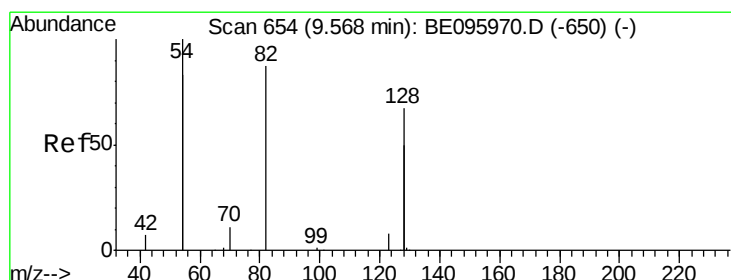
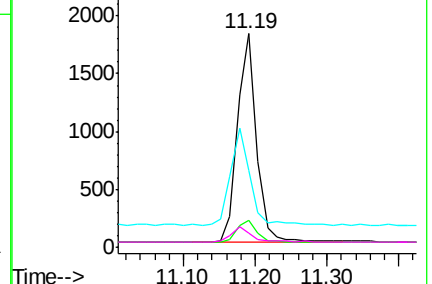
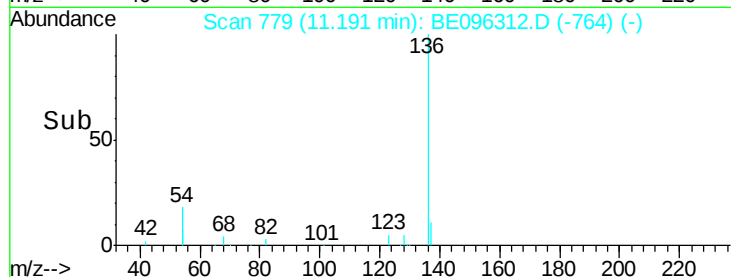


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.577 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

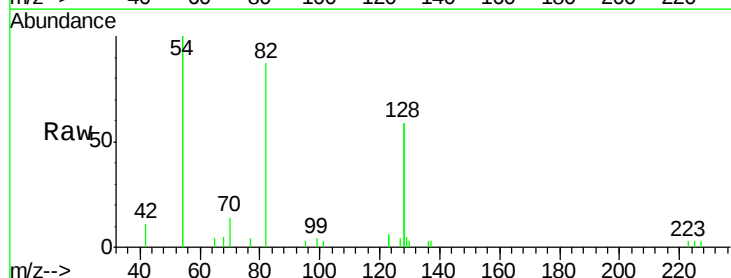
Tgt Ion: 82 Resp: 2273

Ion Ratio Lower Upper

82 100

128 134.1 150.0 225.0#

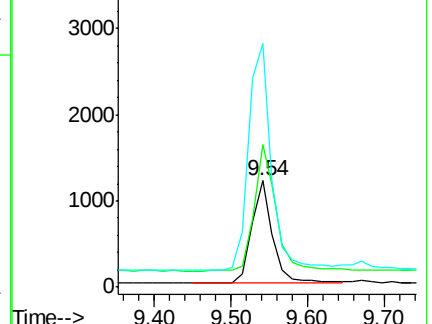
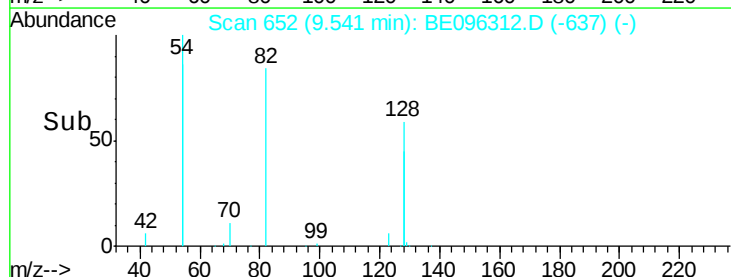
54 228.6 154.2 231.4

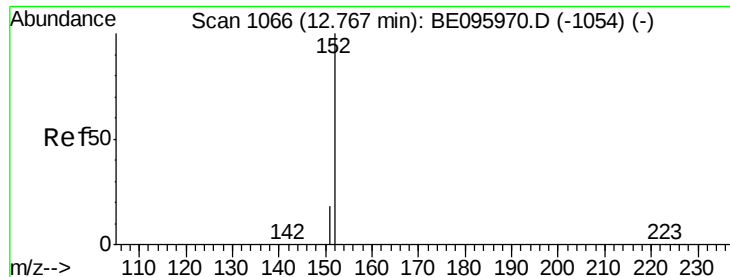


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

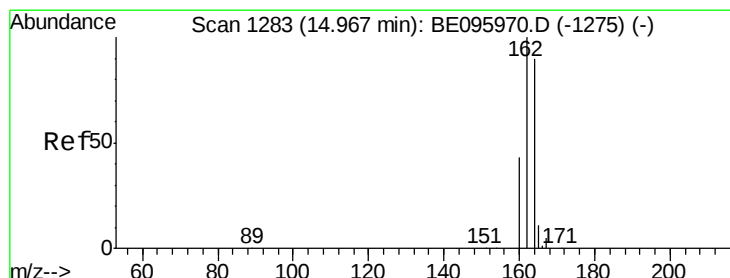
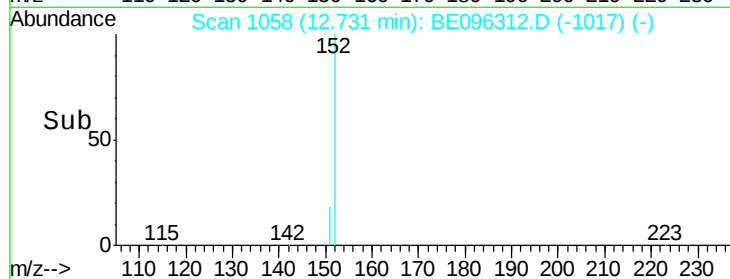
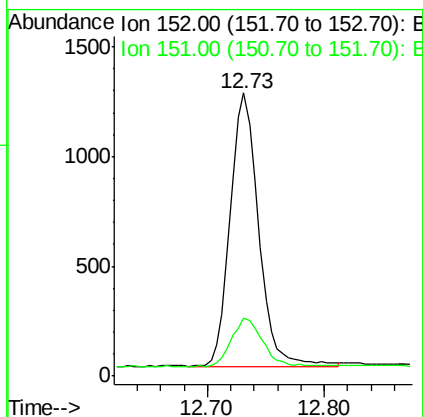
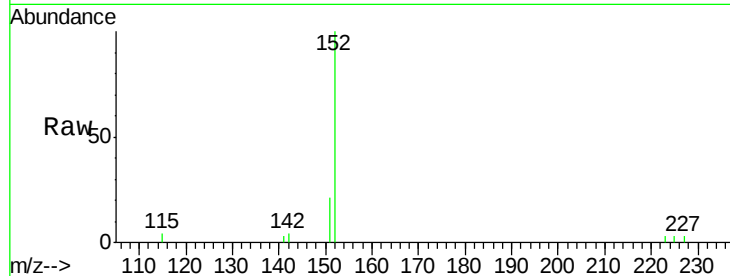




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.396 ng  
 RT: 12.73 min Scan# 1058  
 Delta R.T. -0.00 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

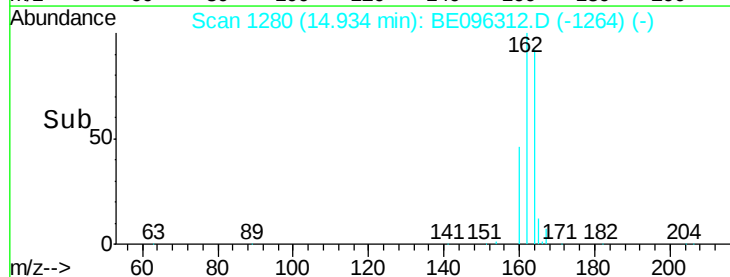
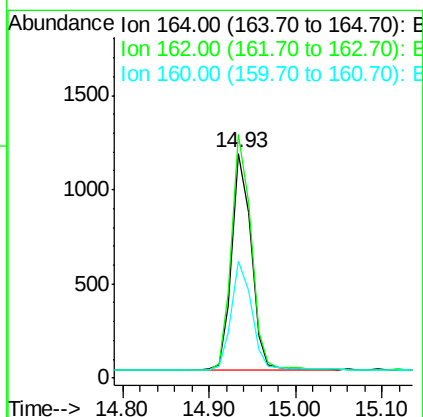
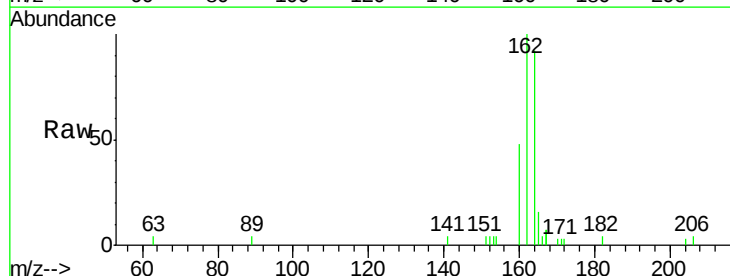
Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:152 Resp: 2107  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.4 23.0



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.93 min Scan# 1280  
 Delta R.T. -0.01 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

Tgt Ion:164 Resp: 1785  
 Ion Ratio Lower Upper  
 164 100  
 162 108.4 83.1 124.7  
 160 52.0 37.1 55.7

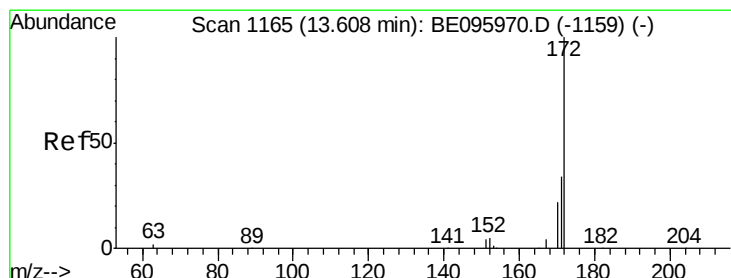
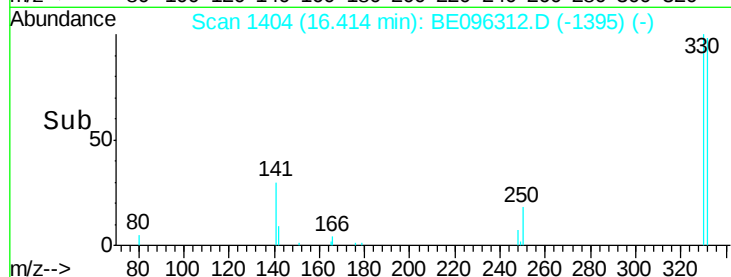
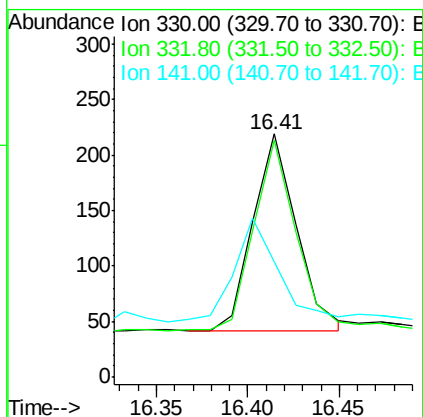
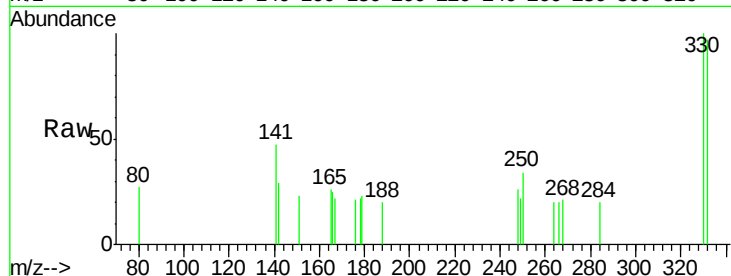




#14  
 2,4,6-Tribromophenol  
 Concen: 0.338 ng  
 RT: 16.41 min Scan# 1404  
 Delta R.T. 0.00 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

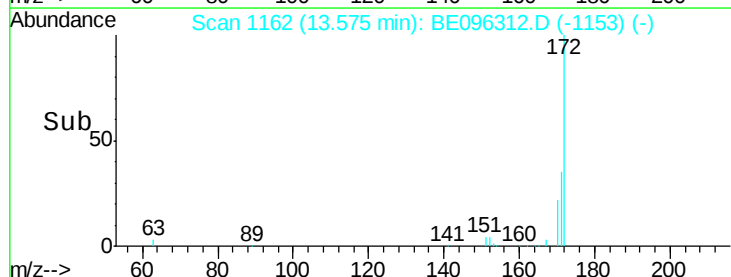
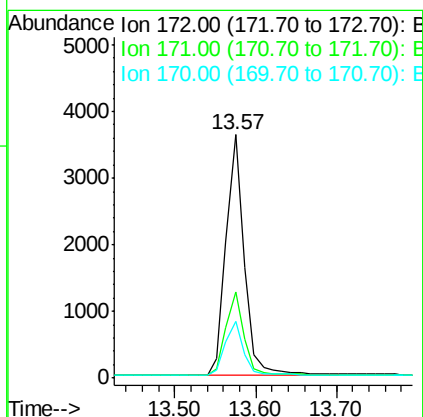
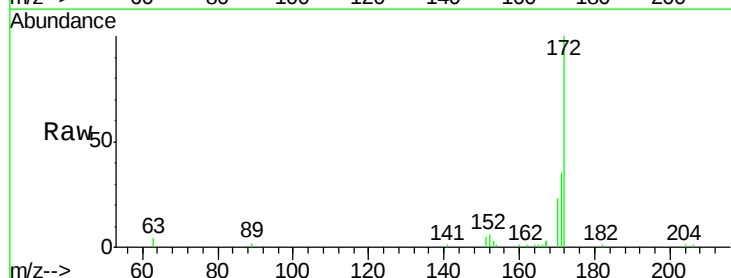
Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:330 Resp: 291  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 152.7 229.1#  
 141 53.6 33.7 50.5#



#15  
 2-Fluorobiphenyl  
 Concen: 0.740 ng  
 RT: 13.57 min Scan# 1162  
 Delta R.T. 0.00 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

Tgt Ion:172 Resp: 5654  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.9 44.9  
 170 23.3 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

Instrument :

BNA\_E

ClientSampleId :

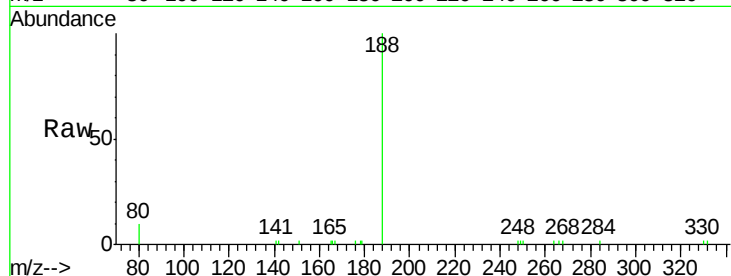
Tot Ion:188 Resp: 4064

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

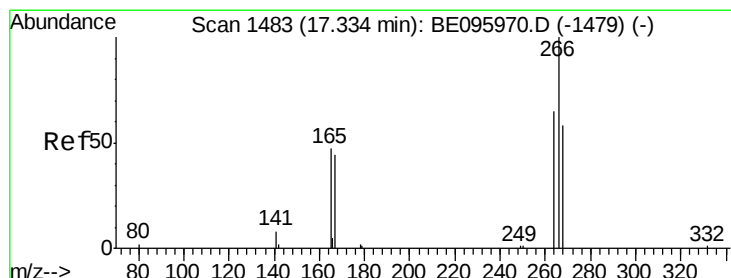
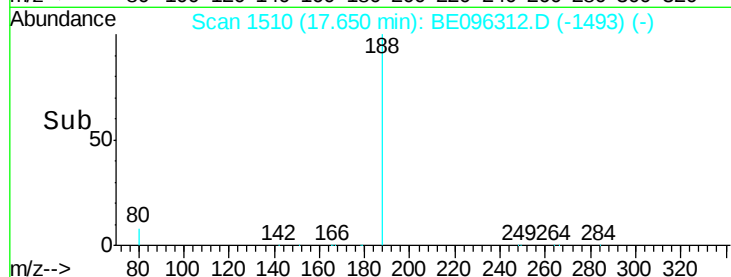
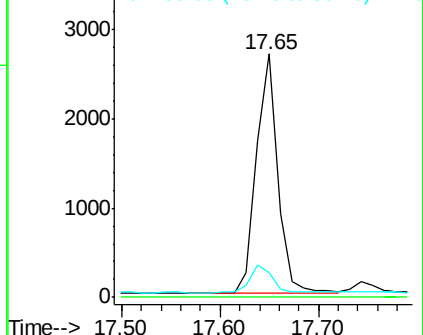
80 10.3 3.6 5.4#



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: 0.138 ng

RT: 17.28 min Scan# 1478

Delta R.T. -0.03 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

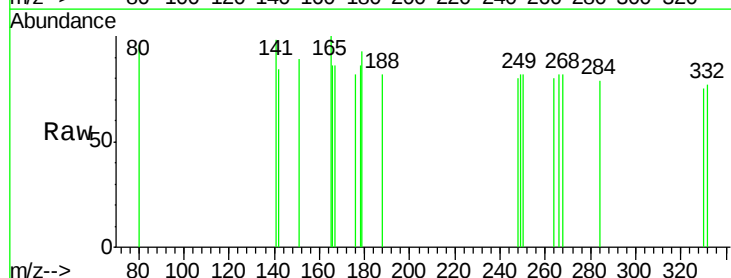
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 97.8 72.5 108.7

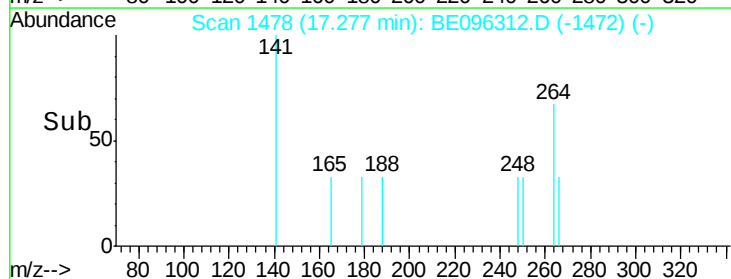
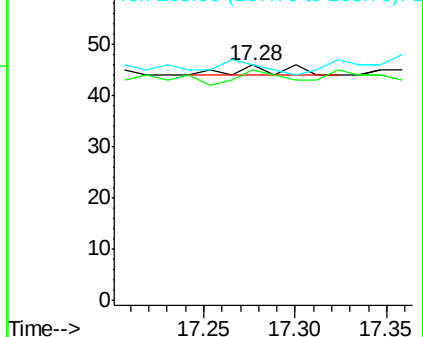
268 100.0 73.8 110.6

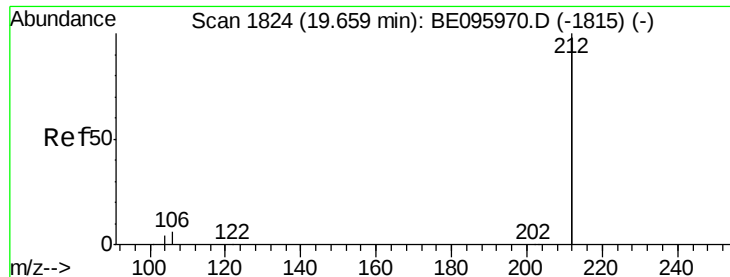


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

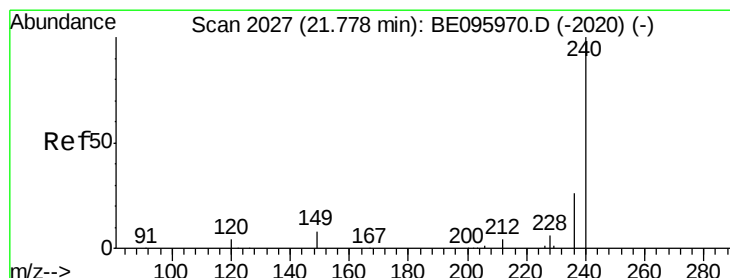
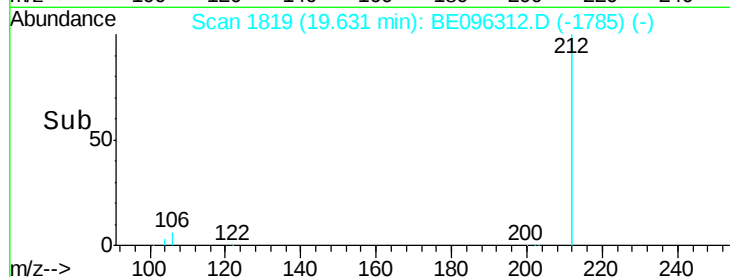
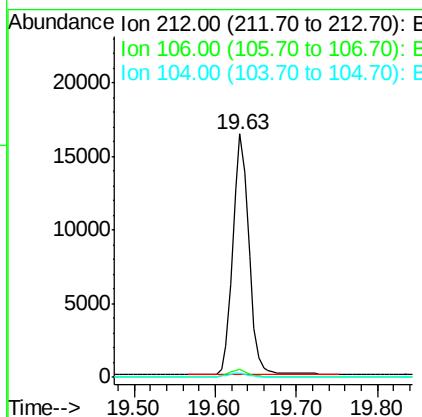
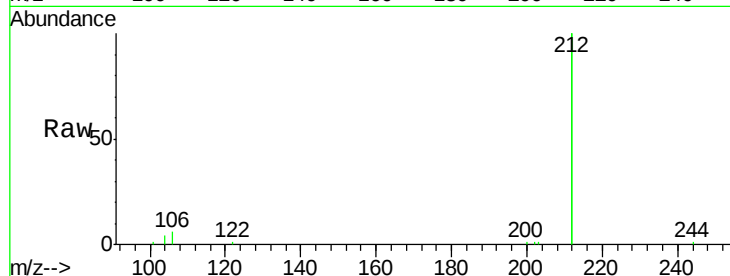




#25  
 Fluoranthene-d10  
 Concen: 0.409 ng  
 RT: 19.63 min Scan# 1819  
 Delta R.T. -0.01 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

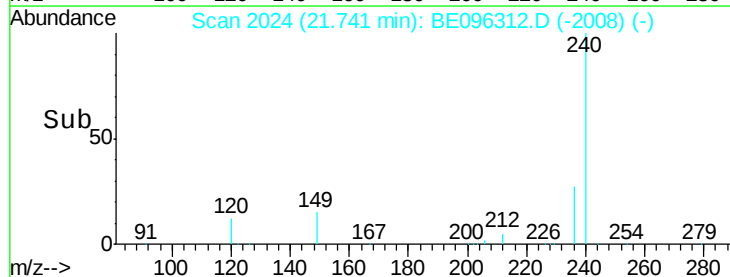
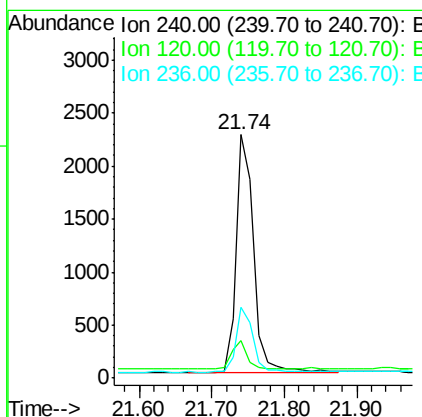
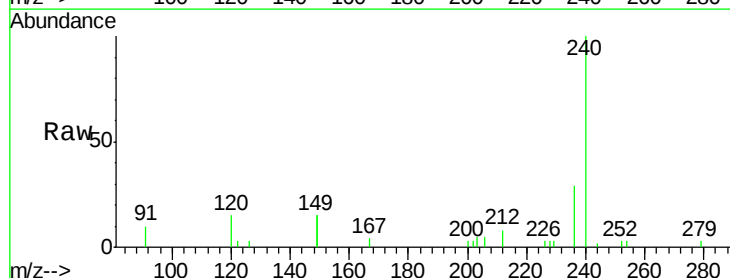
Instrument :  
 BNA\_E  
 ClientSampleId :

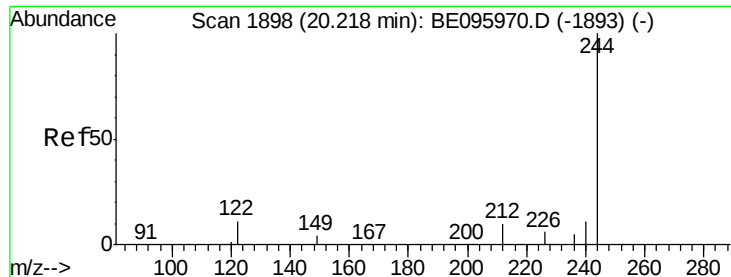
Tot Ion:212 Resp: 22547  
 Ion Ratio Lower Upper  
 212 100  
 106 2.9 2.8 4.2  
 104 1.8 1.6 2.4



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.74 min Scan# 2024  
 Delta R.T. -0.00 min  
 Lab File: BE096312.D  
 Acq: 3 May 2018 2:13

Tgt Ion:240 Resp: 3819  
 Ion Ratio Lower Upper  
 240 100  
 120 15.3 5.5 8.3#  
 236 29.2 20.7 31.1





#29

Terphenyl-d14

Concen: 0.670 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

Instrument :

BNA\_E

ClientSampleId :

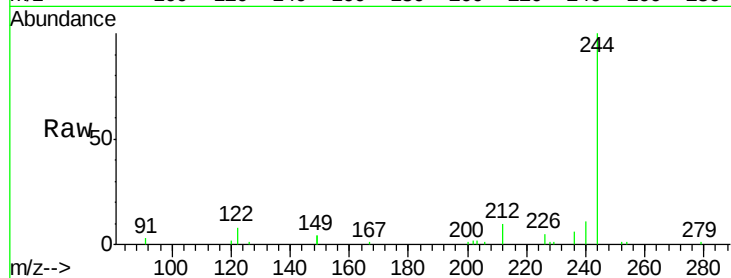
Tot Ion:244 Resp: 5650

Ion Ratio Lower Upper

244 100

212 9.7 25.4 38.0#

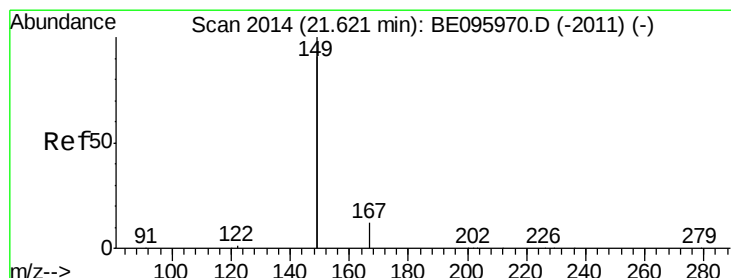
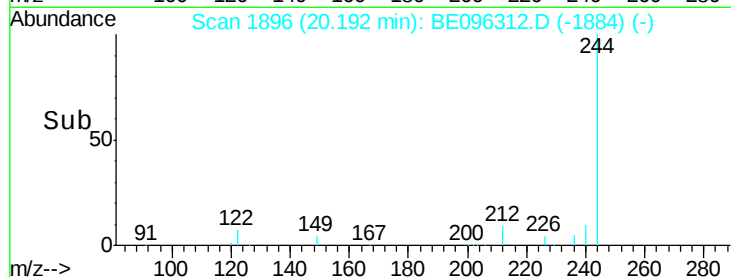
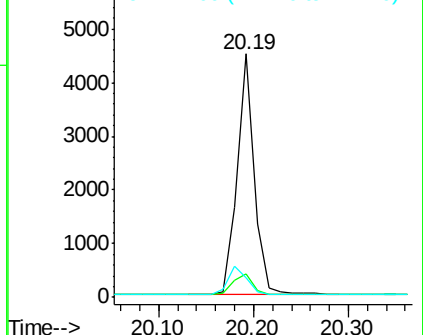
122 7.8 8.1 12.1#



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: 0.081 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

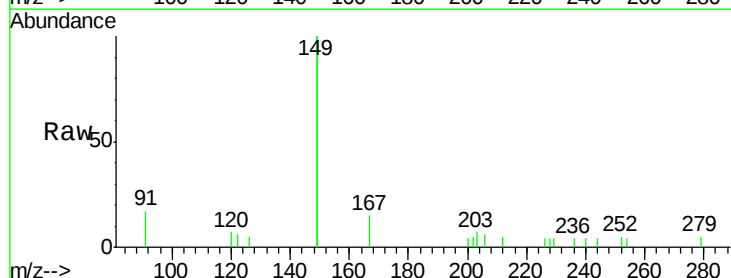
Tgt Ion:149 Resp: 2575

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

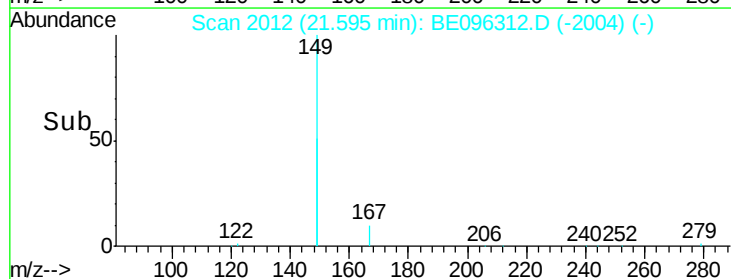
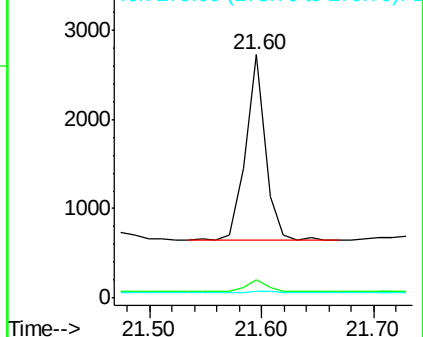
279 1.5 0.7 1.1#

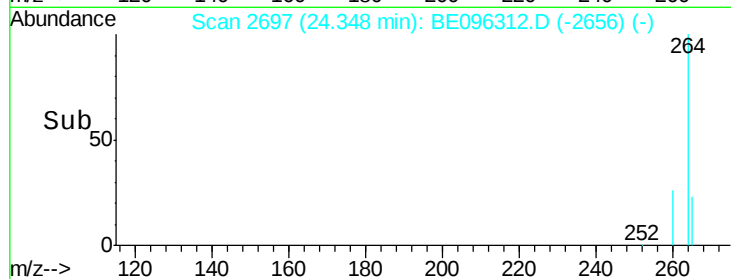
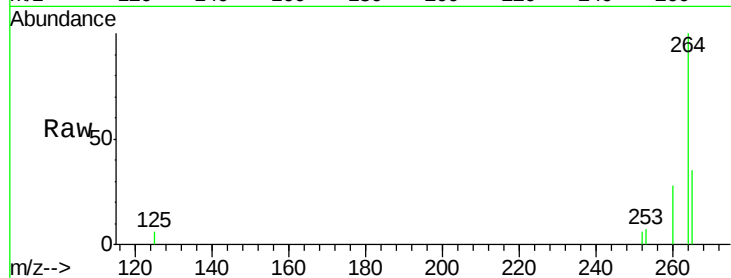


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.35 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE096312.D

Acq: 3 May 2018 2:13

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 3521

Ion Ratio Lower Upper

264 100

260 28.0 20.5 30.7

265 35.4 22.8 34.2

