

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE031819\  
 Data File : BE099016.D  
 Acq On : 19 Mar 2019 1:09  
 Operator : JU/SJ  
 Sample : K1937-17  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW306I-20190314

Quant Time: Mar 19 02:56:19 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 | 7.79  | 152  | 829      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 3773     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2734     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 6453     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 7450     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 6713     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.42  | 112  | 339      | 0.14 | ng    | 0.04     |
| 5) Phenol-d6                | 7.01  | 99   | 374      | 0.11 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 1264     | 0.32 | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 2733     | 0.39 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 429      | 0.31 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 4511     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 39129    | 0.38 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 6890     | 0.38 | ng    | 0.00     |

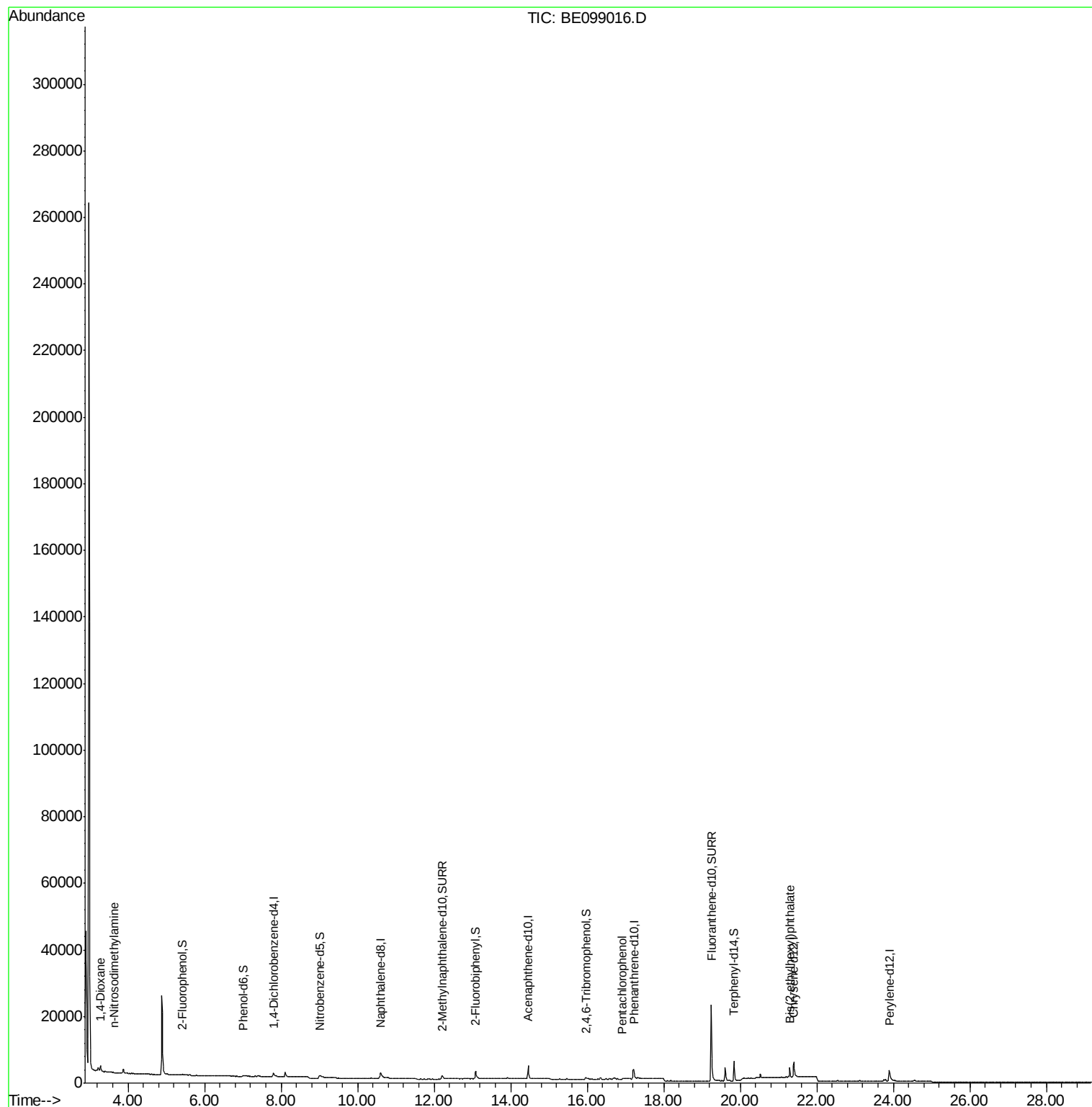
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88   | 1036     | 0.707 | ng    | # 78   |
| 3) n-Nitrosodimethylamine      | 3.64  | 42   | 46       | 0.022 | ng    | # 14   |
| 22) Pentachlorophenol          | 16.91 | 266  | 9        | 0.271 | ng    | 84     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 3133     | 0.063 | ng    | # 99   |

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

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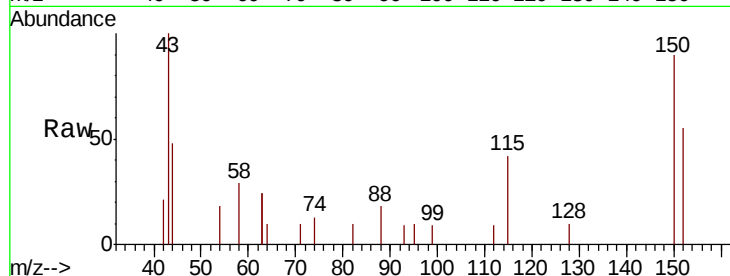


#1

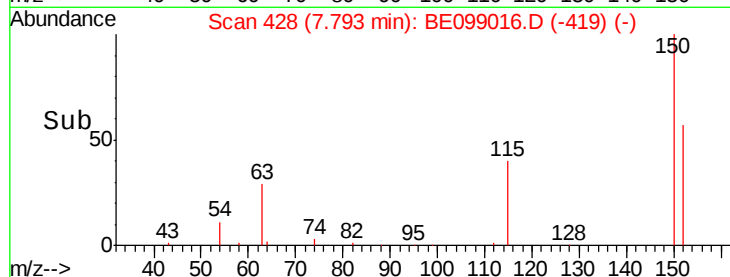
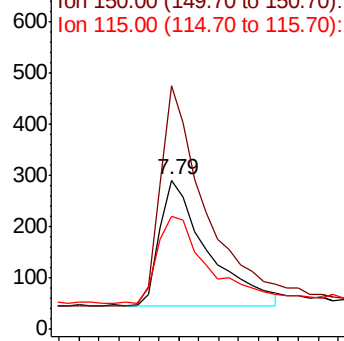
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BE099016.D  
Acq: 19 Mar 2019 1:09

Instrument :  
BNA\_E  
ClientSampleId :  
BPS1-TT-MW306I-20190314

Tgt Ion:152 Resp: 829  
Ion Ratio Lower Upper  
152 100  
150 163.2 122.5 183.7  
115 75.9 57.4 86.2



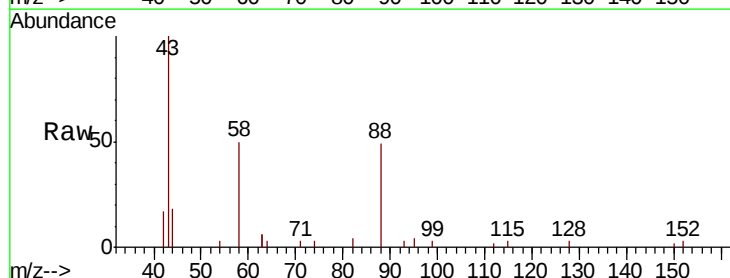
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



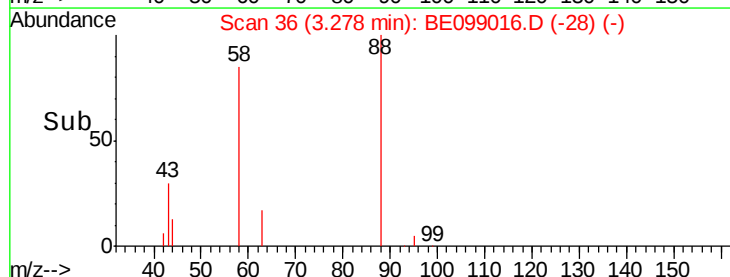
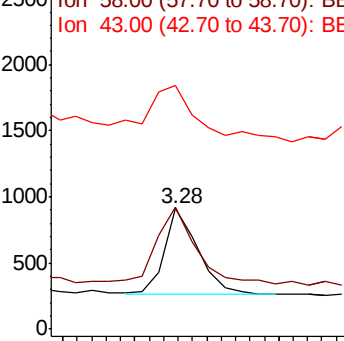
#2

1,4-Dioxane  
Concen: 0.707 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE099016.D  
Acq: 19 Mar 2019 1:09

Tgt Ion: 88 Resp: 1036  
Ion Ratio Lower Upper  
88 100  
58 104.5 75.8 113.6  
43 83.4 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





#3

n-Nitrosodimethylamine

Concen: 0.022 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.01 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW306I-20190314

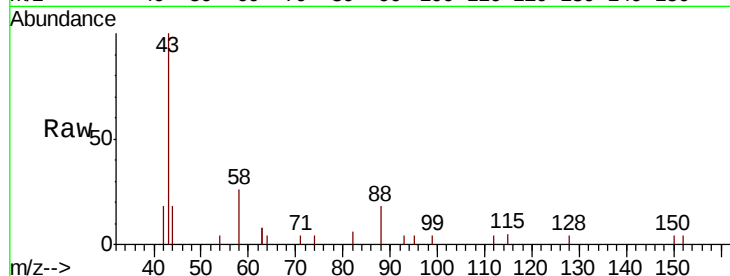
Tgt Ion: 42 Resp: 46

Ion Ratio Lower Upper

42 100

74 0.0 57.0 85.4#

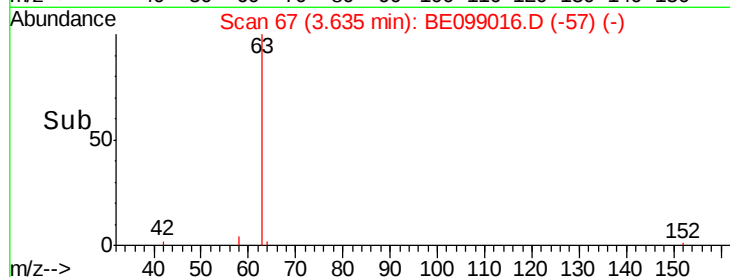
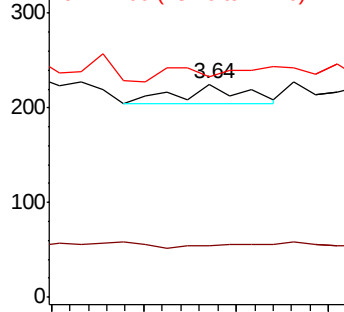
44 0.0 0.0 0.0



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: 0.137 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.04 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

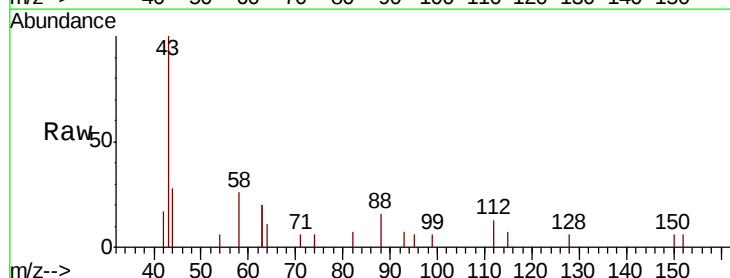
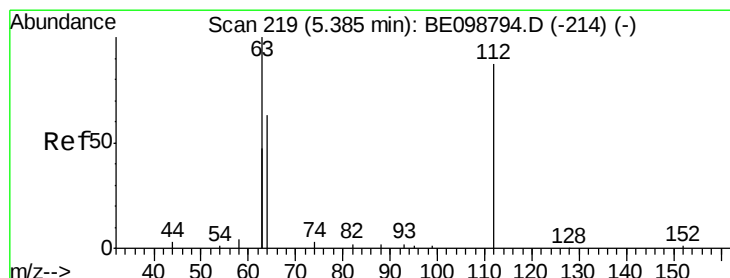
Tgt Ion: 112 Resp: 339

Ion Ratio Lower Upper

112 100

64 97.3 57.9 86.9#

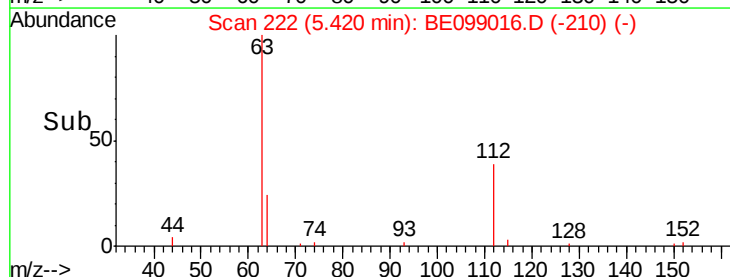
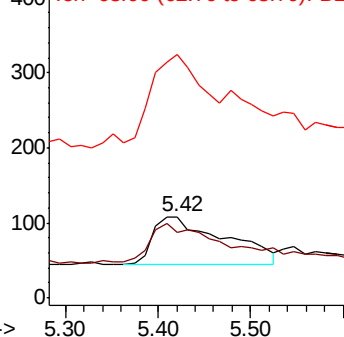
63 154.6 158.3 237.5#



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: 0.107 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW306I-20190314

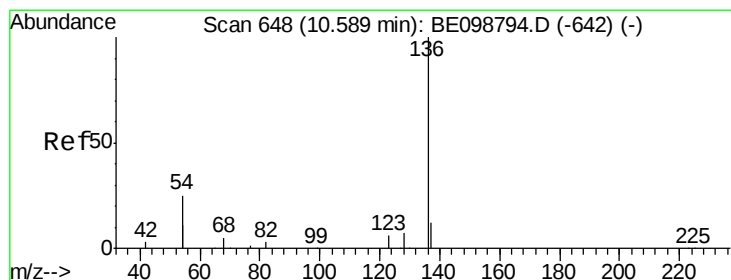
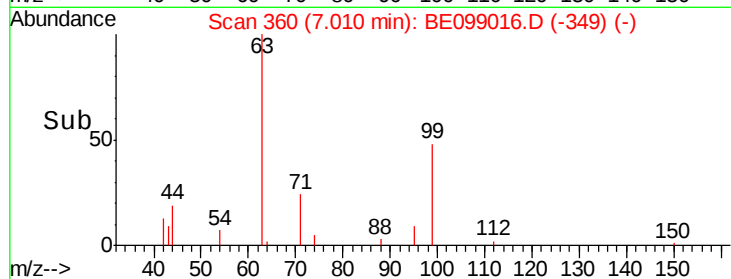
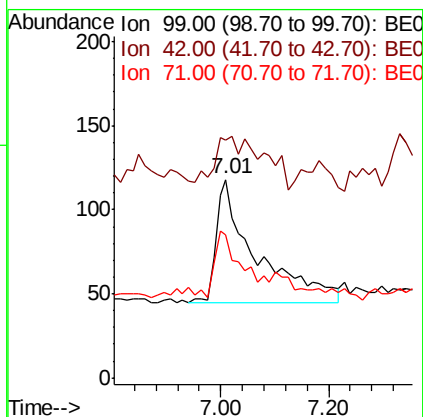
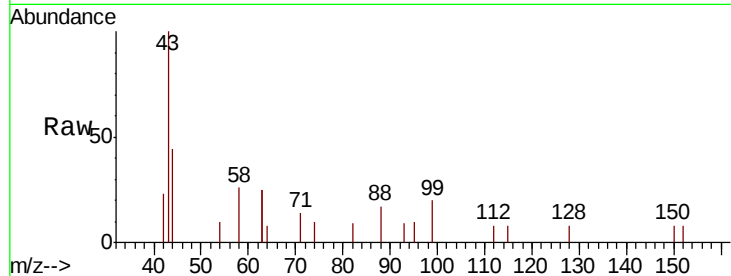
Tgt Ion: 99 Resp: 374

Ion Ratio Lower Upper

99 100

42 54.0 24.2 36.2#

71 0.0 35.7 53.5#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Tgt Ion: 136 Resp: 3773

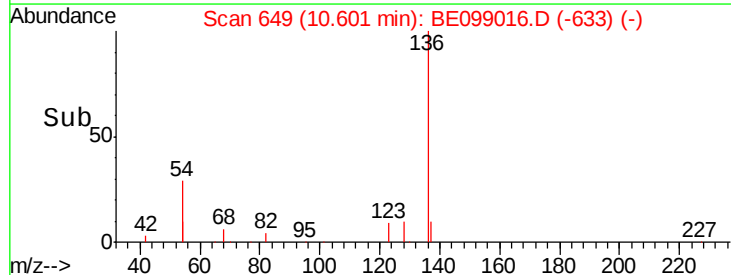
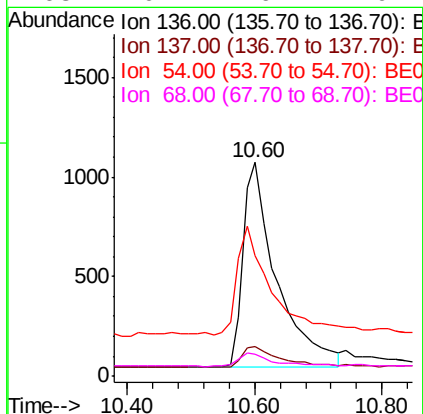
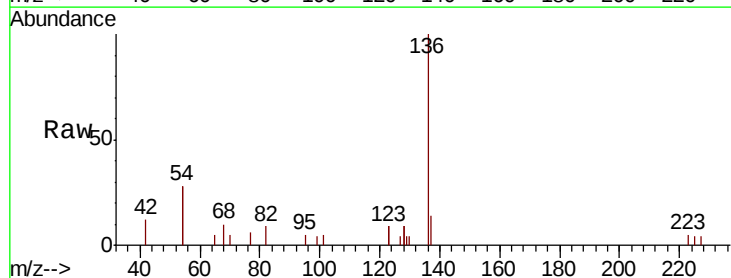
Ion Ratio Lower Upper

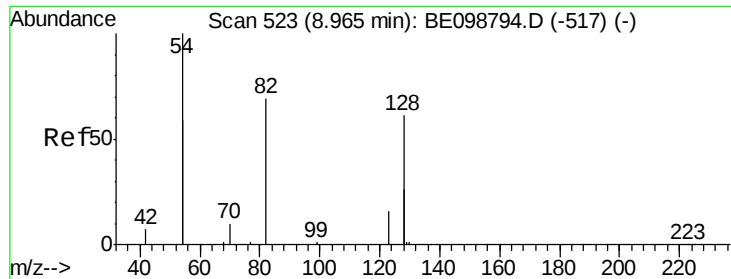
136 100

137 14.0 11.4 17.0

54 56.5 39.3 58.9

68 10.2 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW306I-20190314

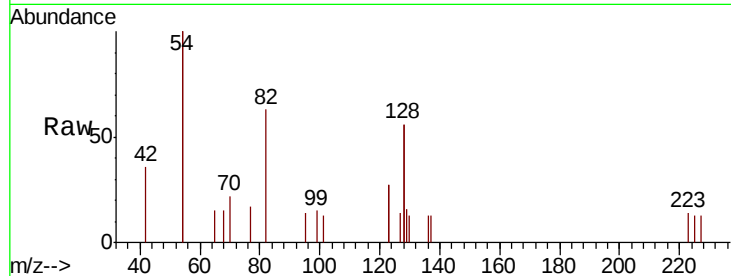
Tgt Ion: 82 Resp: 1264

Ion Ratio Lower Upper

82 100

128 179.5 123.8 185.8

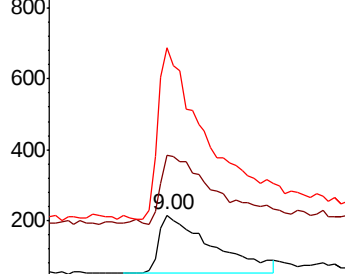
54 320.0 203.4 305.2#



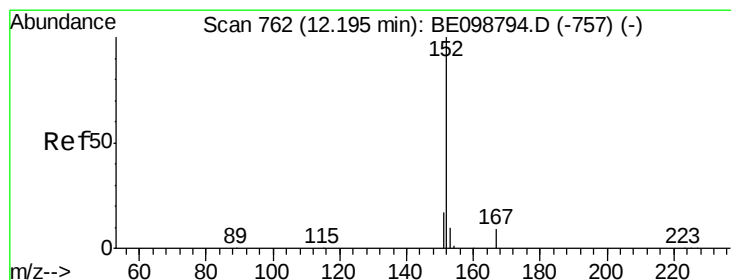
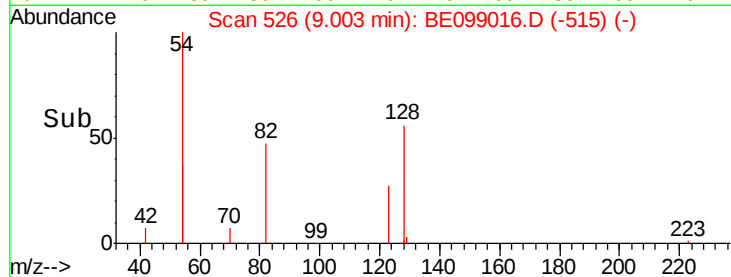
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.392 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099016.D

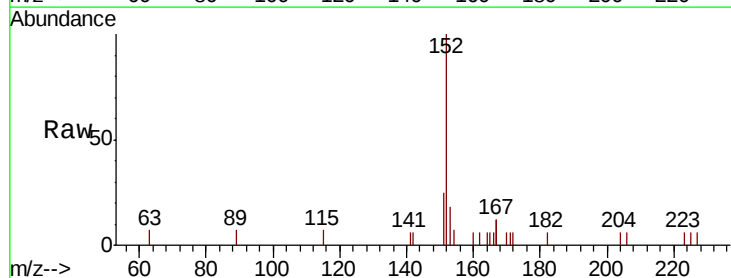
Acq: 19 Mar 2019 1:09

Tgt Ion: 152 Resp: 2733

Ion Ratio Lower Upper

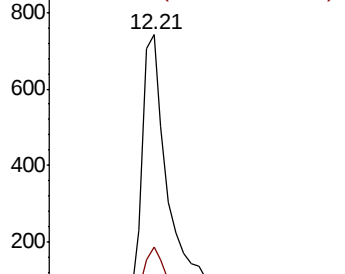
152 100

151 18.6 16.5 24.7

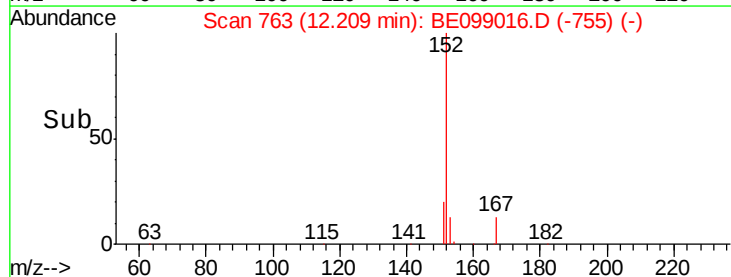


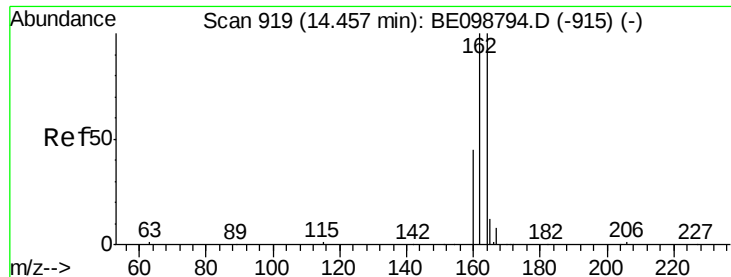
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW306I-20190314

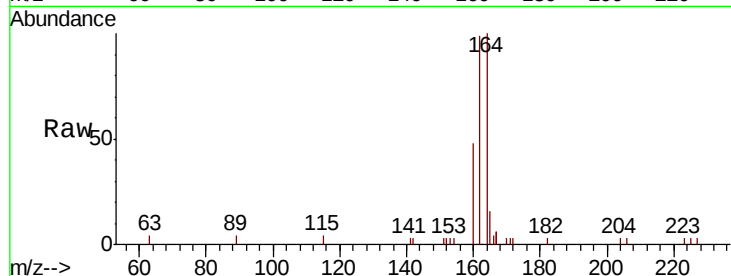
Tgt Ion:164 Resp: 2734

Ion Ratio Lower Upper

164 100

162 99.4 80.2 120.2

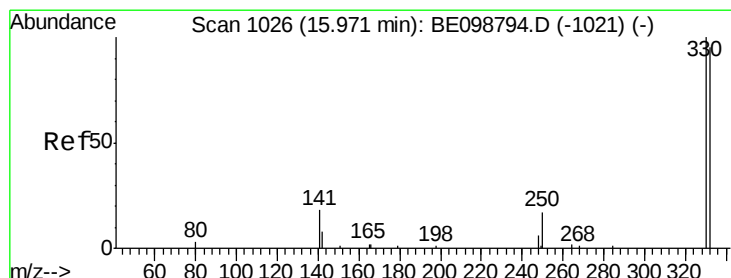
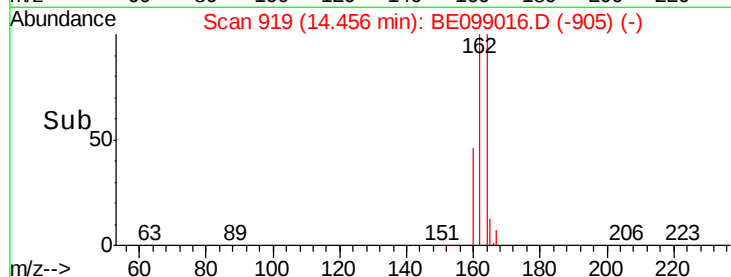
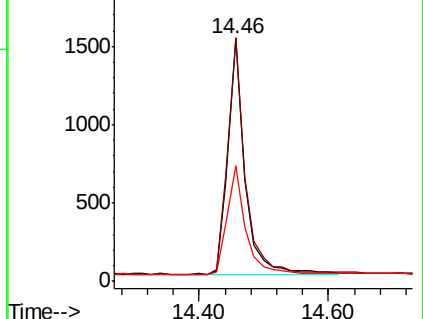
160 47.7 37.8 56.8



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: 0.311 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

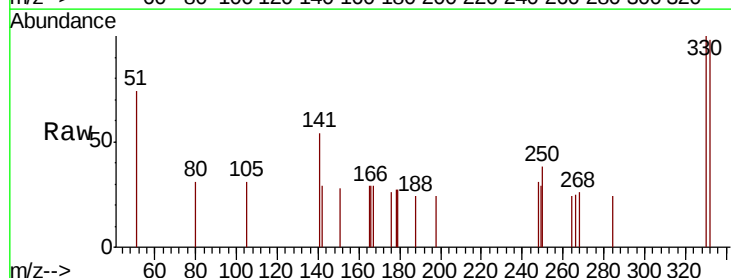
Tgt Ion:330 Resp: 429

Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

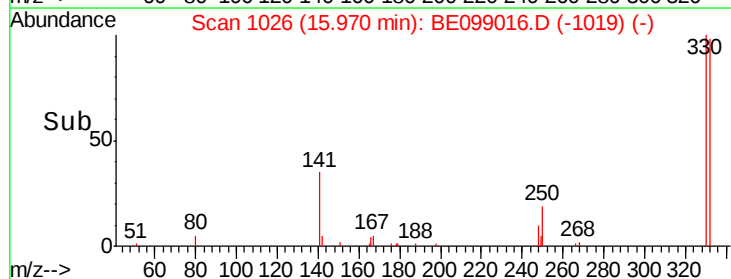
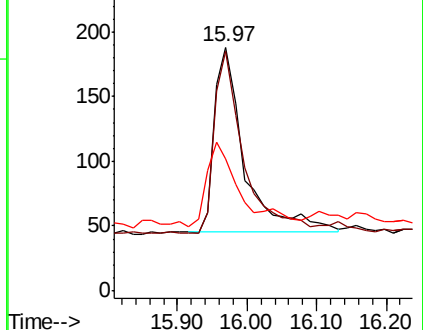
141 52.2 31.0 46.4#

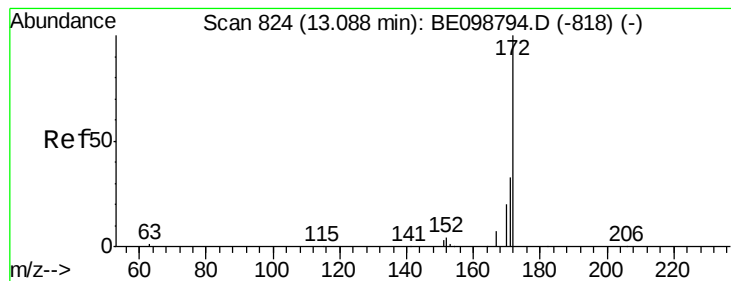


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

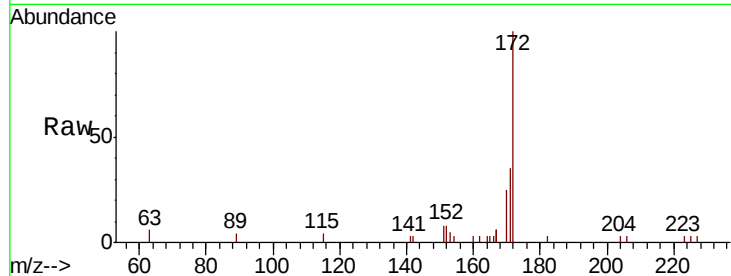




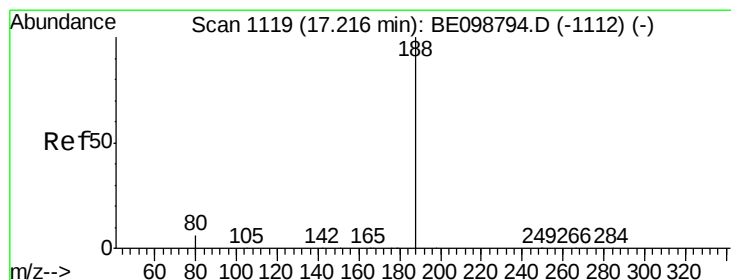
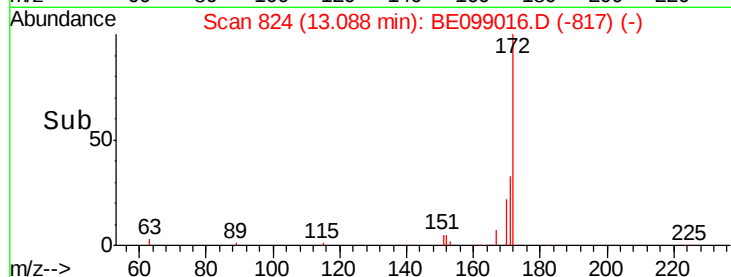
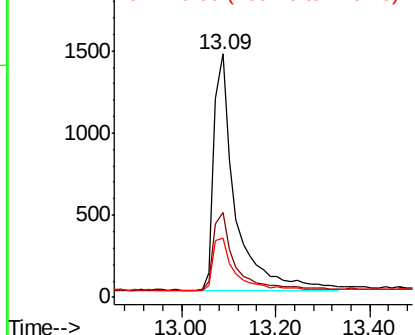
#15  
2-Fluorobiphenyl  
Concen: 0.399 ng  
RT: 13.09 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BE099016.D  
Acq: 19 Mar 2019 1:09

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Tgt Ion:172 Resp: 4511  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.0 42.0  
170 24.5 17.7 26.5

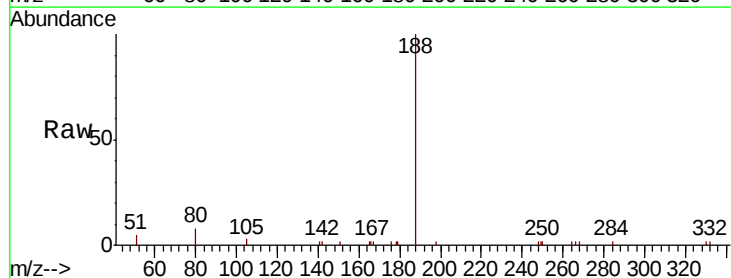


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

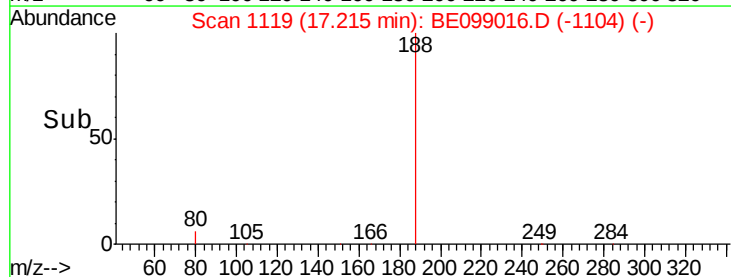
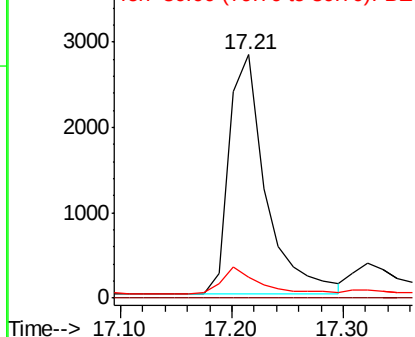


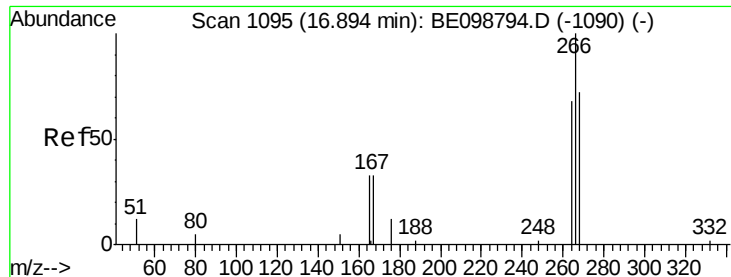
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.21 min Scan# 1119  
Delta R.T. -0.00 min  
Lab File: BE099016.D  
Acq: 19 Mar 2019 1:09

Tgt Ion:188 Resp: 6453  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.4 6.3 9.5



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

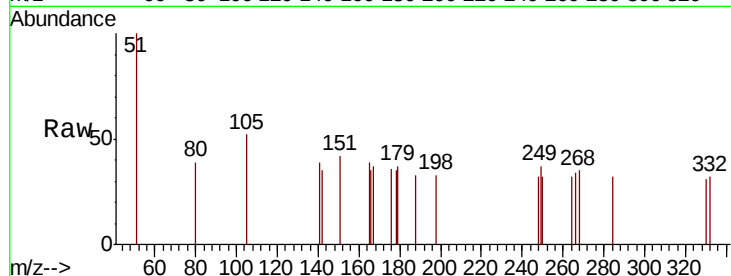




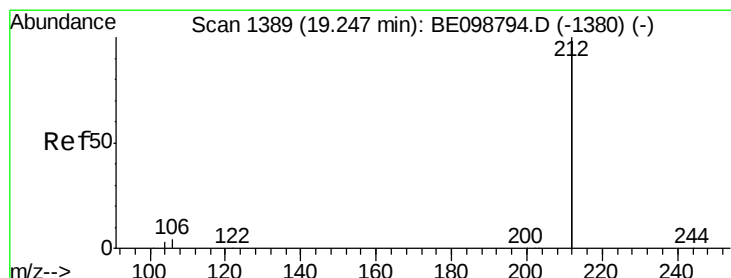
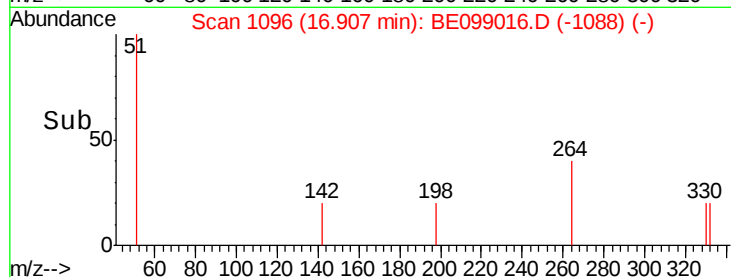
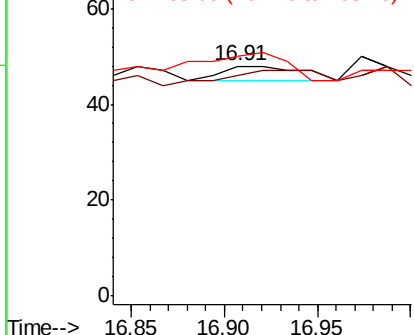
#22  
 Pentachlorophenol  
 Concen: 0.271 ng  
 RT: 16.91 min Scan# 1096  
 Delta R.T. 0.01 min  
 Lab File: BE099016.D  
 Acq: 19 Mar 2019 1:09

Instrument :  
 BNA\_E  
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 BPS1-TT-MW306I-20190314

Tgt Ion: 266 Resp: 9  
 Ion Ratio Lower Upper  
 266 100  
 264 95.8 66.6 100.0  
 268 104.2 69.8 104.8

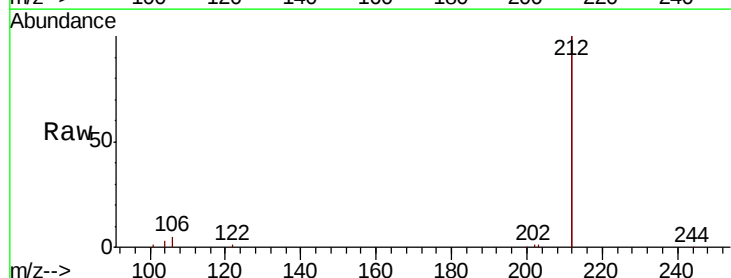


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

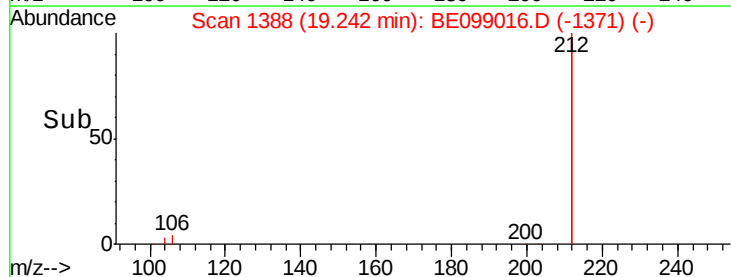
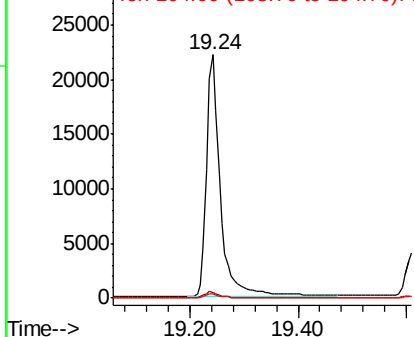


#25  
 Fluoranthene-d10  
 Concen: 0.380 ng  
 RT: 19.24 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BE099016.D  
 Acq: 19 Mar 2019 1:09

Tgt Ion: 212 Resp: 39129  
 Ion Ratio Lower Upper  
 212 100  
 106 2.4 1.8 2.8  
 104 1.5 1.0 1.6



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: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW306I-20190314

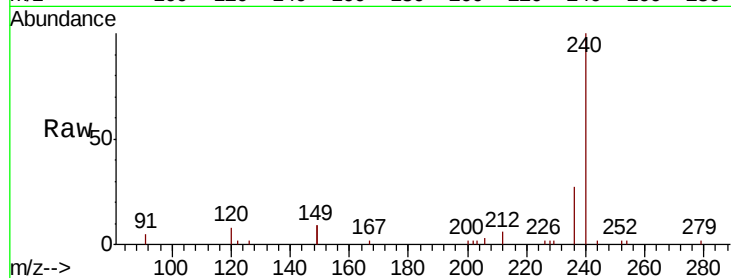
Tgt Ion:240 Resp: 7450

Ion Ratio Lower Upper

240 100

120 8.1 5.0 7.4#

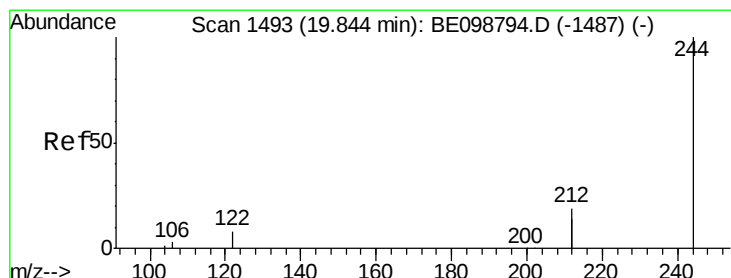
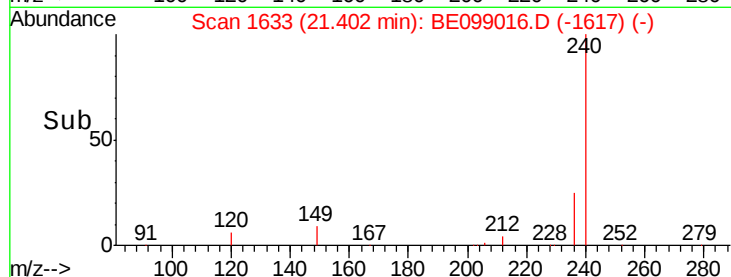
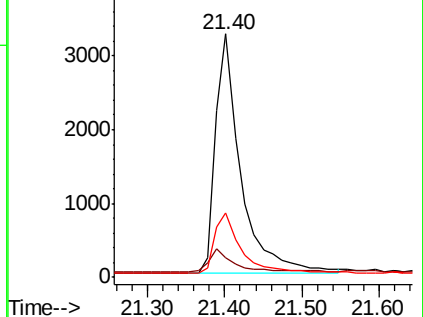
236 26.5 22.7 34.1



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: 0.381 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099016.D

Acq: 19 Mar 2019 1:09

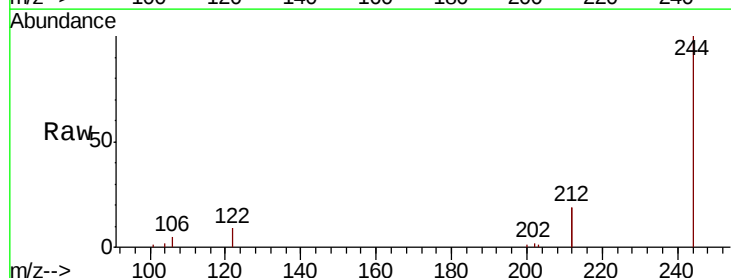
Tgt Ion:244 Resp: 6890

Ion Ratio Lower Upper

244 100

212 37.9 29.4 44.2

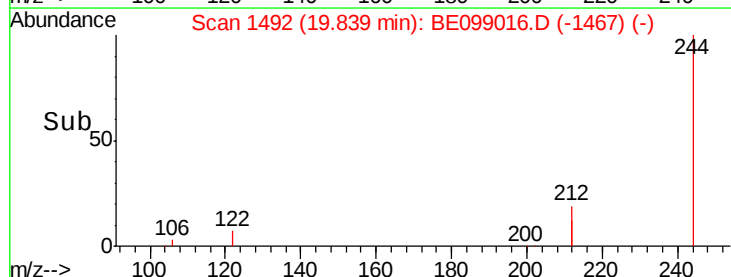
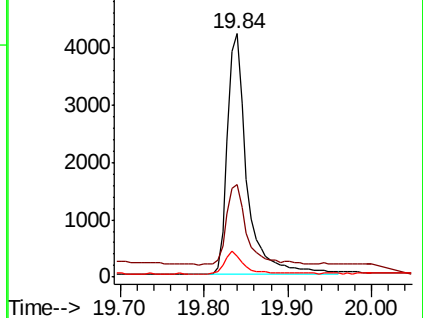
122 8.7 7.1 10.7

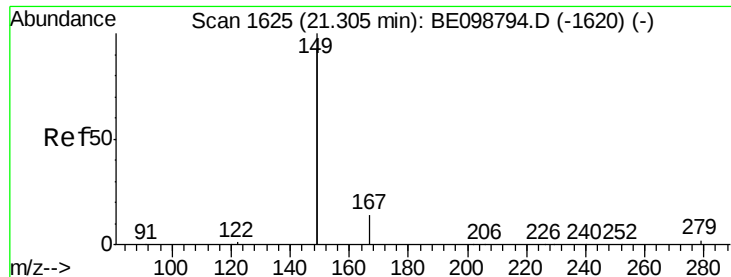


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

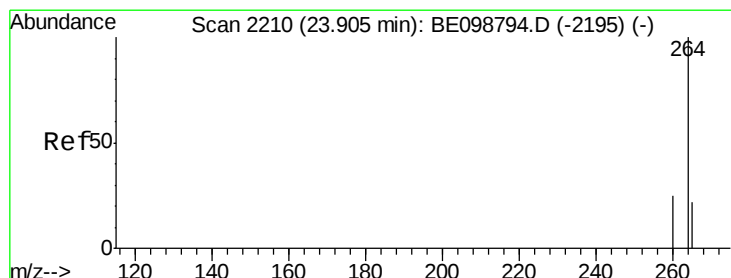
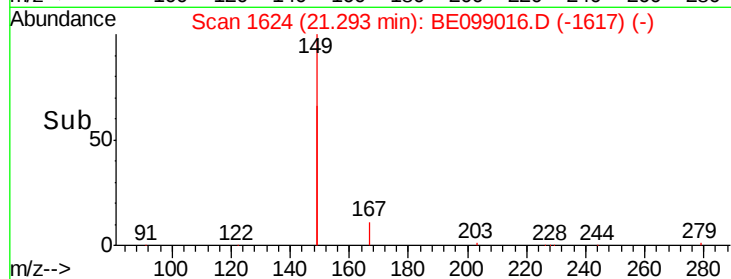
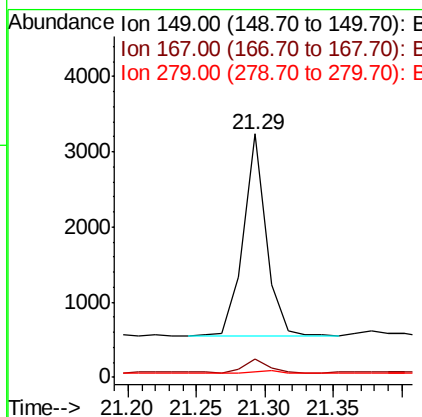
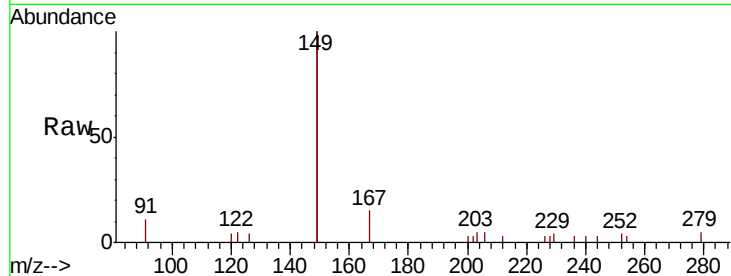




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.063 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE099016.D  
 Acq: 19 Mar 2019 1:09

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW306I-20190314

Tgt Ion: 149 Resp: 3133  
 Ion Ratio Lower Upper  
 149 100  
 167 6.8 5.4 8.0  
 279 2.0 1.0 1.4#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.90 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BE099016.D  
 Acq: 19 Mar 2019 1:09

Tgt Ion: 264 Resp: 6713  
 Ion Ratio Lower Upper  
 264 100  
 260 26.4 21.2 31.8  
 265 30.4 24.6 36.8

