

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE121318\  
 Data File : BE098409.D  
 Acq On : 13 Dec 2018 22:39  
 Operator : SJ/JU  
 Sample : J6323-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE-126D2-20181207

Quant Time: Dec 13 23:15:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 2018  
 Response via : Initial Calibration

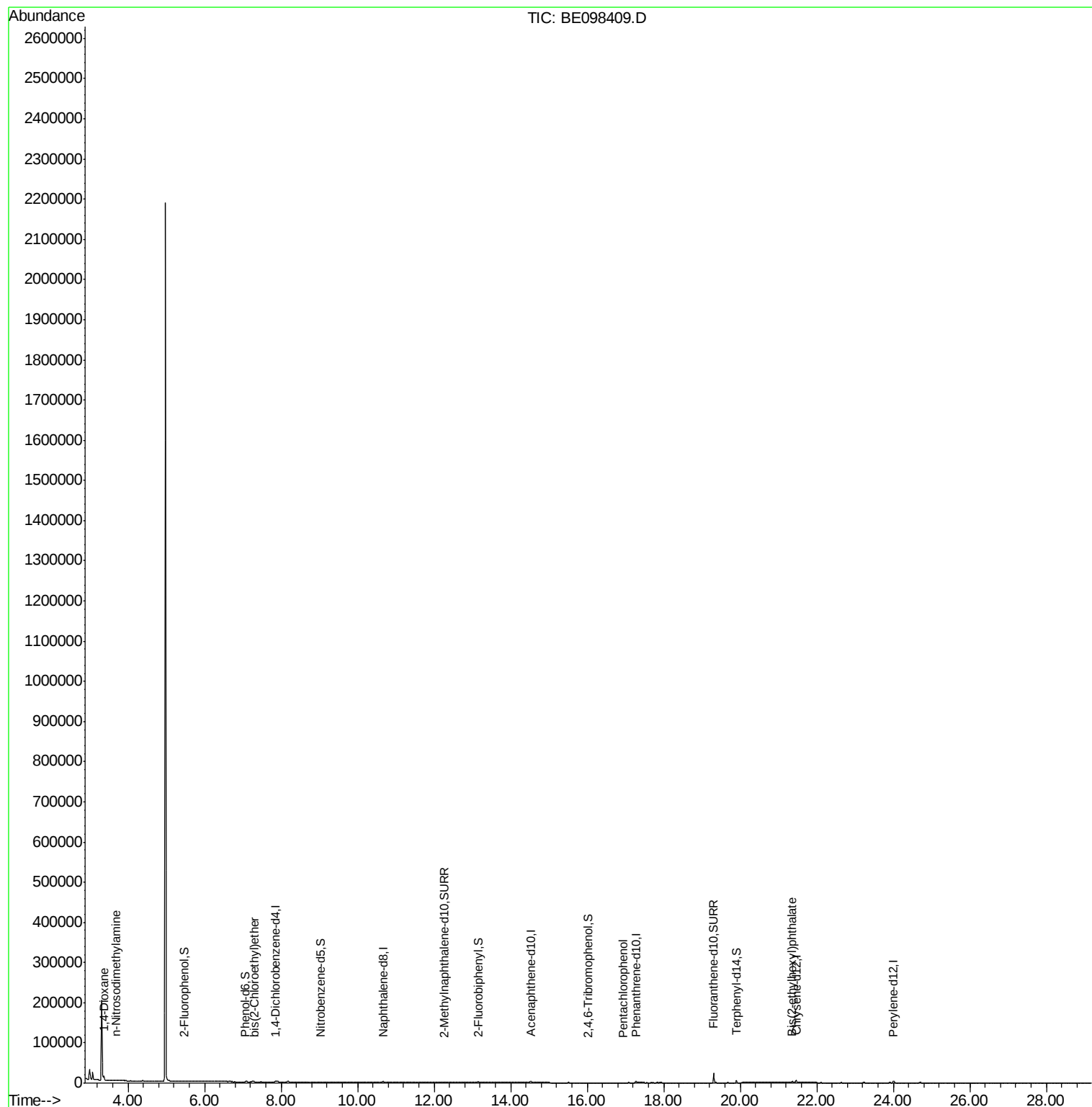
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 1050     | 0.40  | ng    | 0.00      |
| 7) Naphthalene-d8              | 10.67 | 136  | 4466     | 0.40  | ng    | 0.00      |
| 13) Acenaphthene-d10           | 14.53 | 164  | 2920     | 0.40  | ng    | 0.00      |
| 19) Phenanthrene-d10           | 17.27 | 188  | 7206     | 0.40  | ng    | -0.01     |
| 27) Chrysene-d12               | 21.46 | 240  | 8668     | 0.40  | ng    | 0.00      |
| 34) Perylene-d12               | 24.00 | 264  | 8290     | 0.40  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.46  | 112  | 170      | 0.07  | ng    | 0.01      |
| 5) Phenol-d6                   | 7.06  | 99   | 79       | 0.02  | ng    | 0.01      |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1209     | 0.30  | ng    | 0.01      |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 2819     | 0.39  | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 120      | 0.11  | ng    | 0.01      |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 5132     | 0.42  | ng    | 0.00      |
| 25) Fluoranthene-d10           | 19.30 | 212  | 42499    | 0.46  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.90 | 244  | 8192     | 0.39  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.36  | 88   | 4699     | 2.588 | ng    | Qvalue 95 |
| 3) n-Nitrosodimethylamine      | 3.68  | 42   | 61       | 0.037 | ng    | # 100     |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93   | 117      | 0.035 | ng    | # 48      |
| 22) Pentachlorophenol          | 16.93 | 266  | 5        | 0.024 | ng    | # 71      |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 3919     | 0.078 | ng    | # 99      |

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

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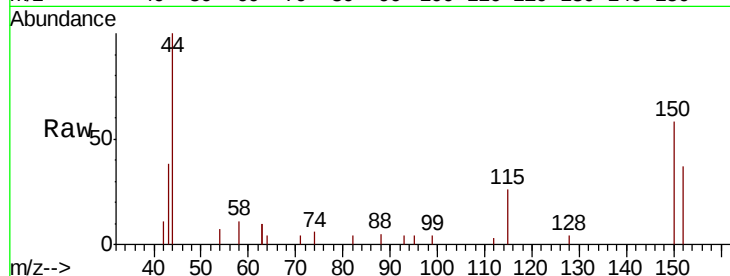


#1

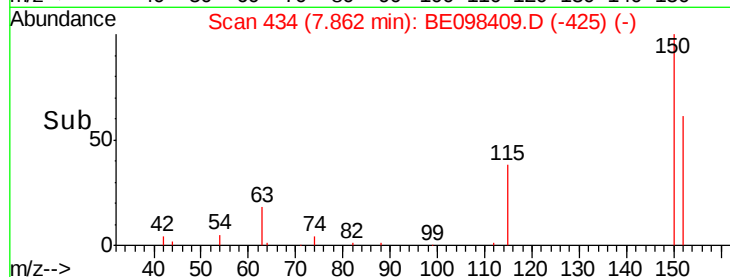
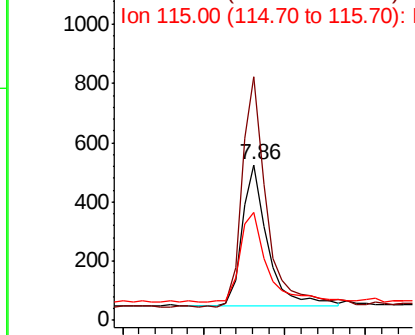
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098409.D  
Acq: 13 Dec 2018 22:39

Instrument :  
BNA\_E  
ClientSampleId :  
RE-126D2-20181207

Tgt Ion: 152 Resp: 1050  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.2 186.4  
115 69.7 53.9 80.9



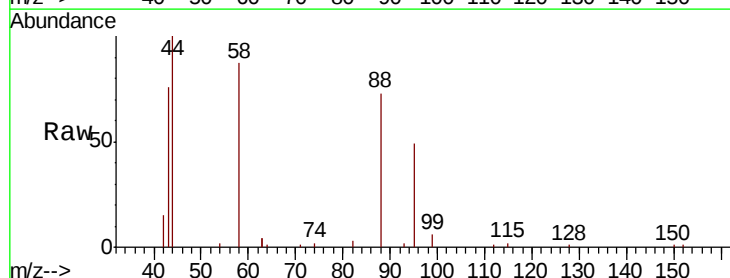
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



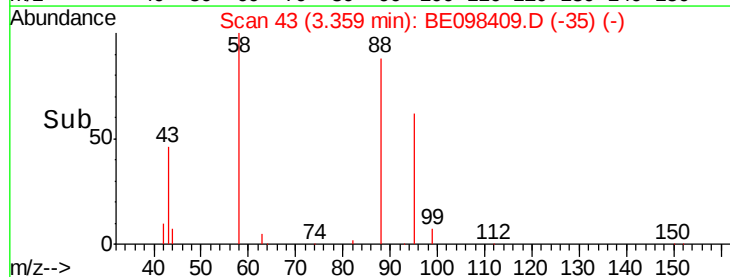
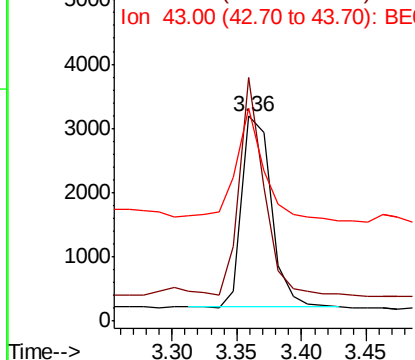
#2

1,4-Dioxane  
Concen: 2.588 ng  
RT: 3.36 min Scan# 43  
Delta R.T. -0.01 min  
Lab File: BE098409.D  
Acq: 13 Dec 2018 22:39

Tgt Ion: 88 Resp: 4699  
Ion Ratio Lower Upper  
88 100  
58 92.2 75.0 112.6  
43 56.3 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





#3

n-Nitrosodimethylamine

Concen: 0.037 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

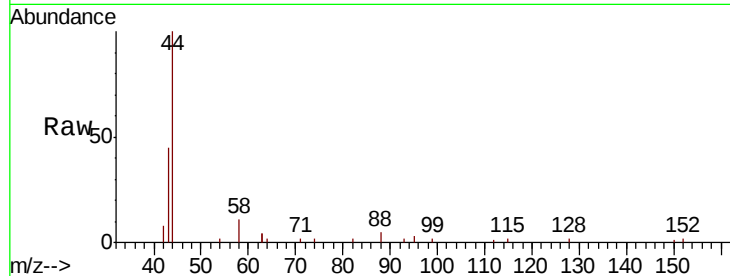
Tgt Ion: 42 Resp: 61

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

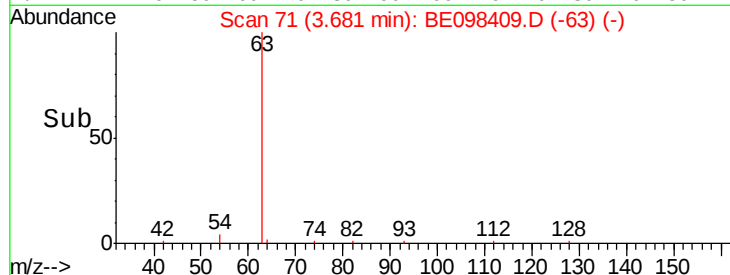
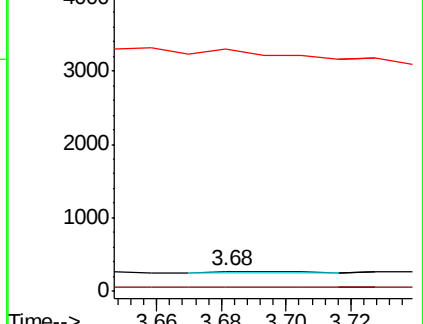
44 0.0 0.0 0.0



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: 0.069 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

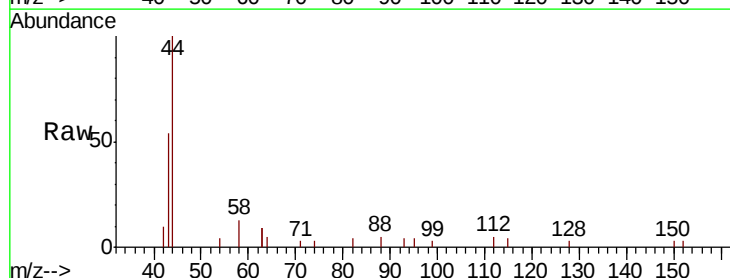
Tgt Ion: 112 Resp: 170

Ion Ratio Lower Upper

112 100

64 71.8 59.8 89.8

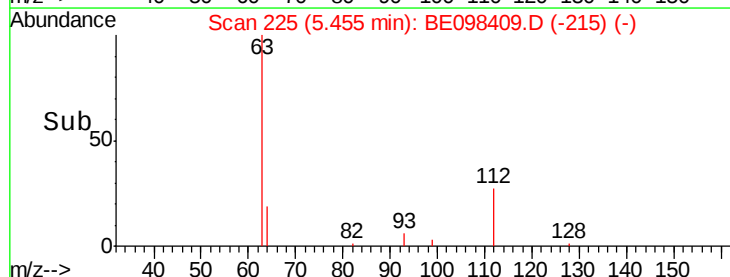
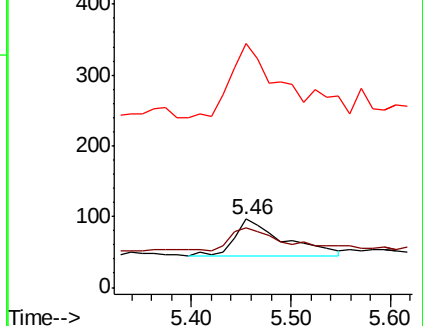
63 187.6 133.7 200.5

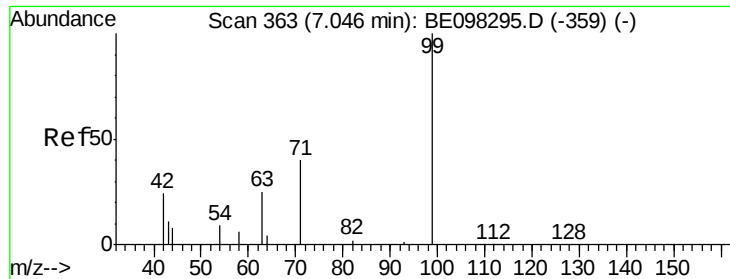


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.023 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

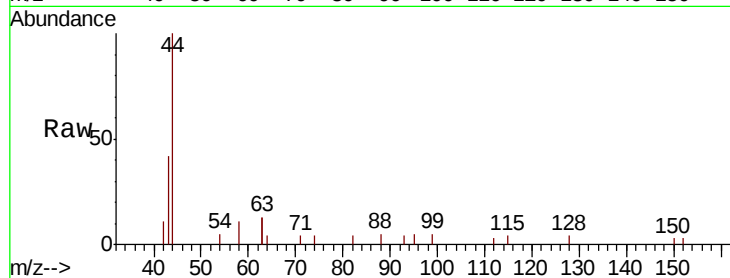
Tgt Ion: 99 Resp: 79

Ion Ratio Lower Upper

99 100

42 100.0 26.3 39.5#

71 35.4 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

200

150

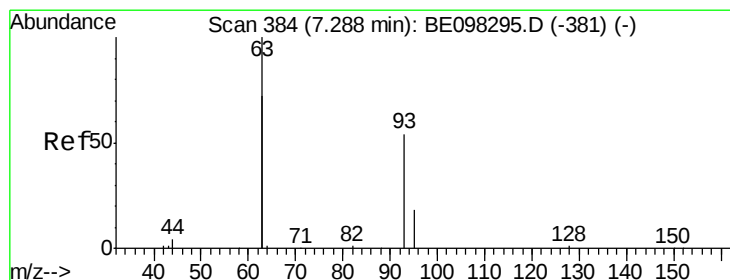
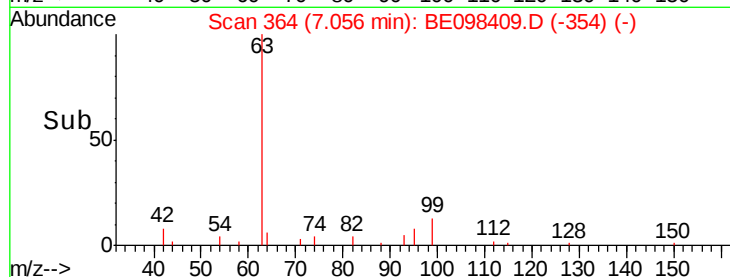
100

50

0

7.00 7.05 7.10

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.035 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

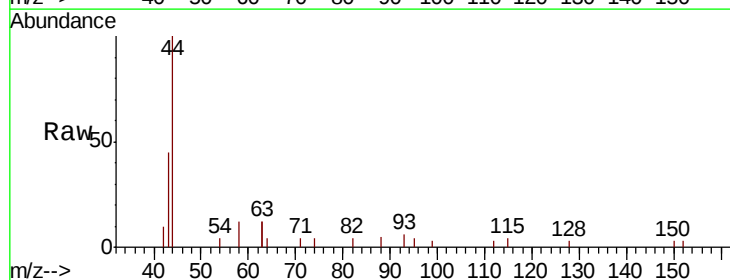
Tgt Ion: 93 Resp: 117

Ion Ratio Lower Upper

93 100

63 222.2 264.4 396.6#

95 0.0 26.6 40.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

400

300

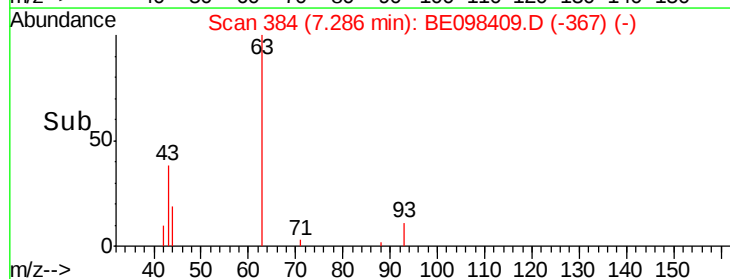
200

100

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

Tgt Ion:136 Resp: 4466

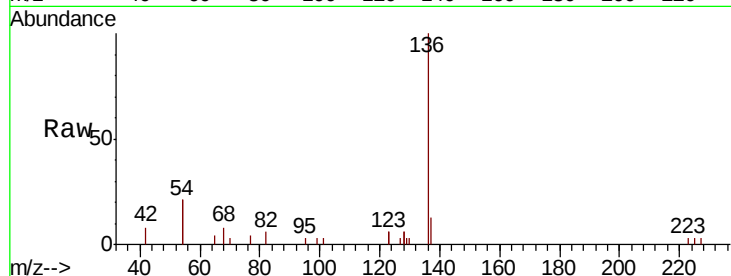
Ion Ratio Lower Upper

136 100

137 12.7 9.2 13.8

54 41.7 28.4 42.6

68 7.8 5.4 8.0

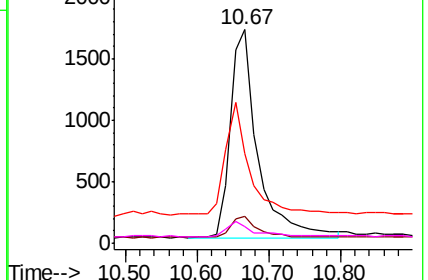
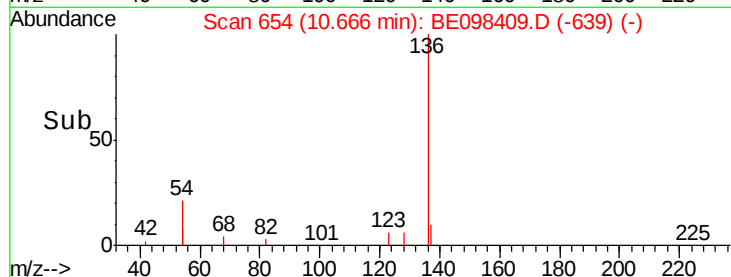


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.297 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

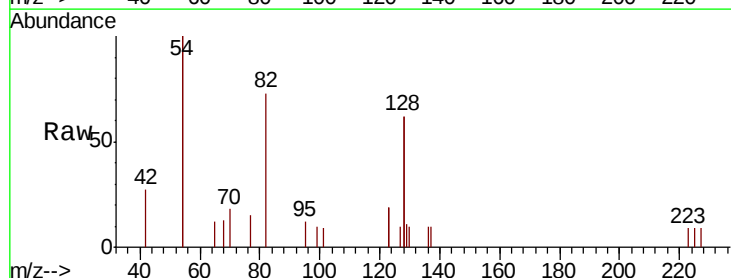
Tgt Ion: 82 Resp: 1209

Ion Ratio Lower Upper

82 100

128 171.3 102.4 153.6#

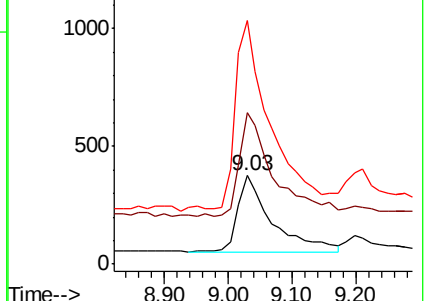
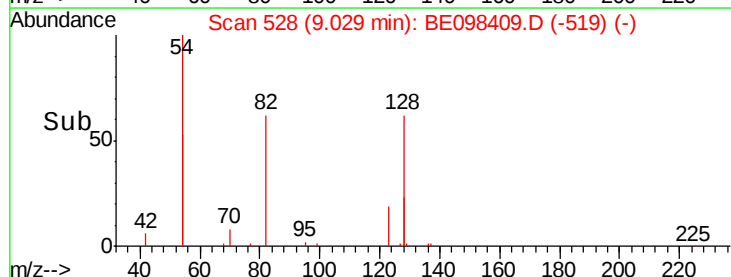
54 275.0 221.8 332.8

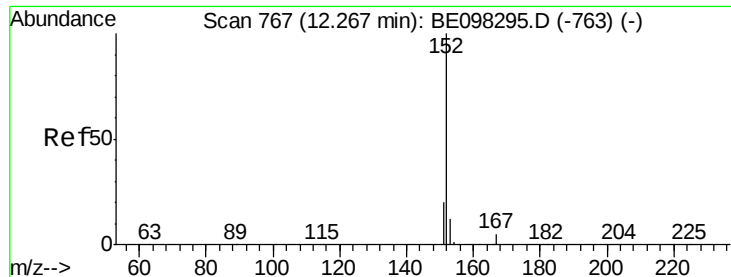


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

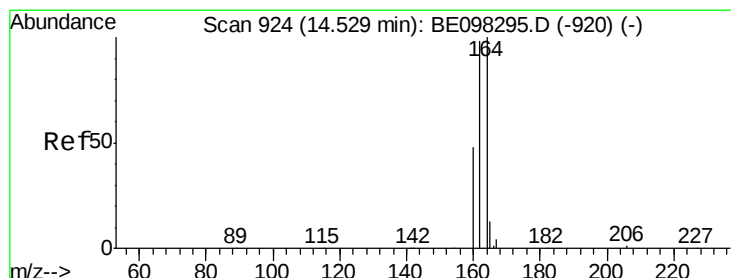
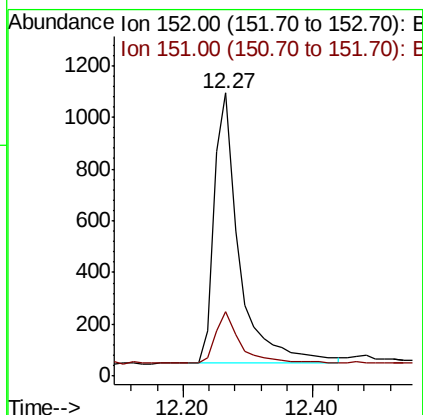
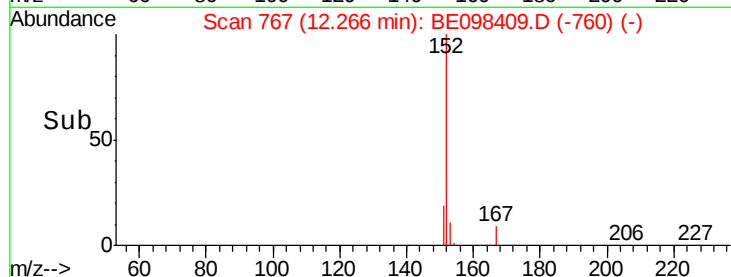
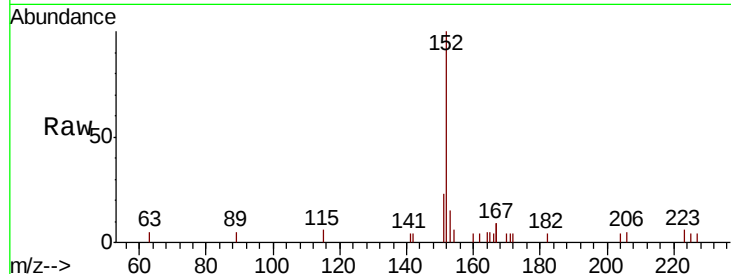




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.388 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BE098409.D  
 Acq: 13 Dec 2018 22:39

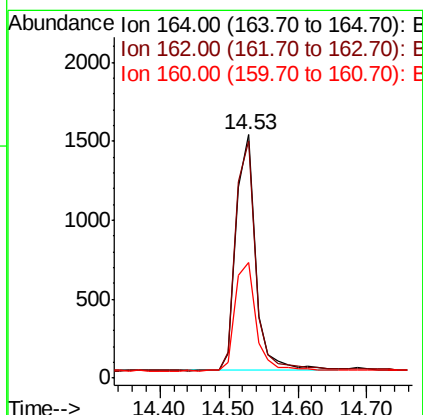
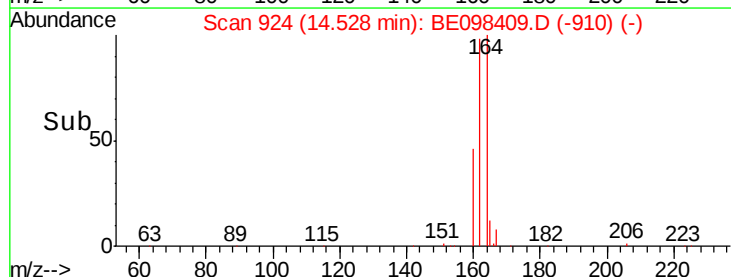
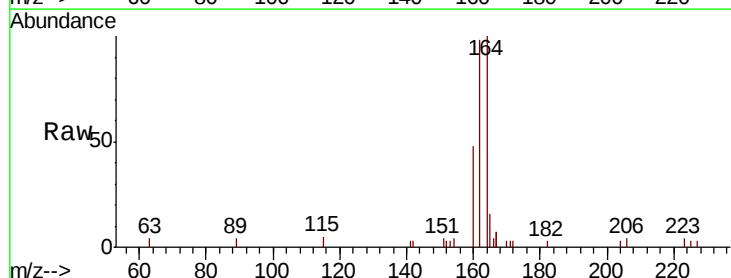
Instrument :  
 BNA\_E  
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 RE-126D2-20181207

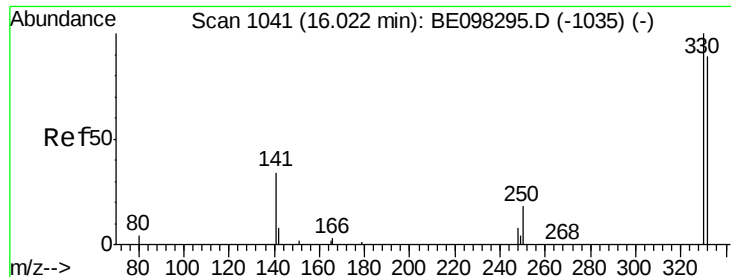
Tgt Ion:152 Resp: 2819  
 Ion Ratio Lower Upper  
 152 100  
 151 18.7 16.2 24.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.53 min Scan# 924  
 Delta R.T. -0.00 min  
 Lab File: BE098409.D  
 Acq: 13 Dec 2018 22:39

Tgt Ion:164 Resp: 2920  
 Ion Ratio Lower Upper  
 164 100  
 162 97.6 77.6 116.4  
 160 47.6 36.0 54.0

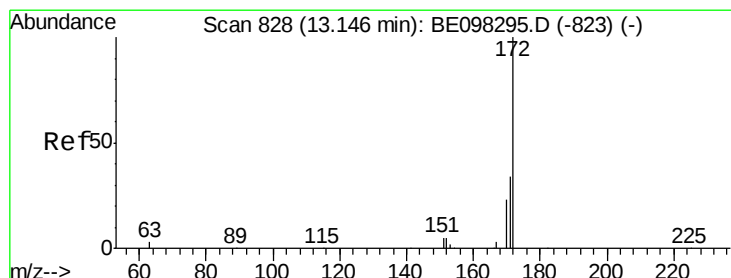
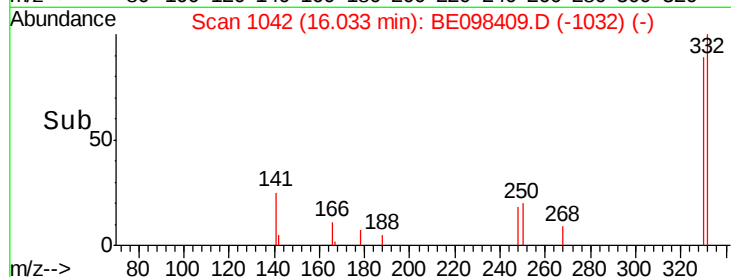
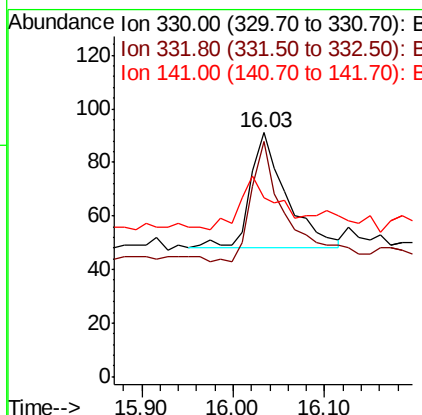
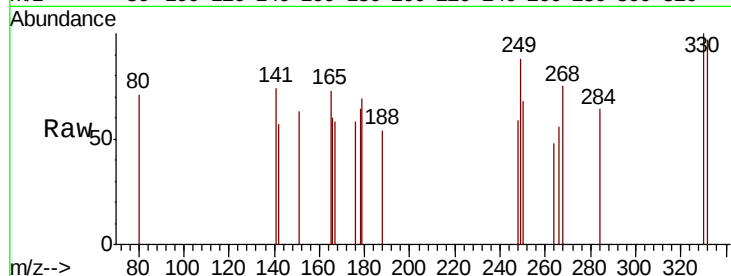




#14  
 2,4,6-Tribromophenol  
 Concen: 0.112 ng  
 RT: 16.03 min Scan# 1042  
 Delta R.T. 0.01 min  
 Lab File: BE098409.D  
 Acq: 13 Dec 2018 22:39

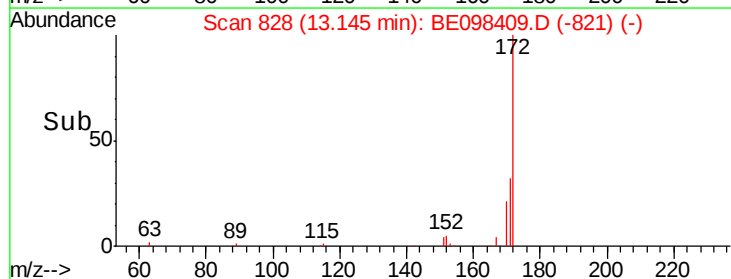
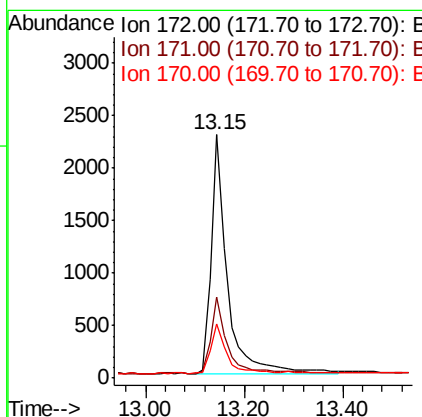
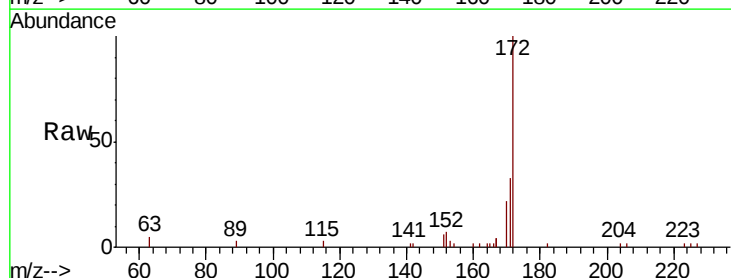
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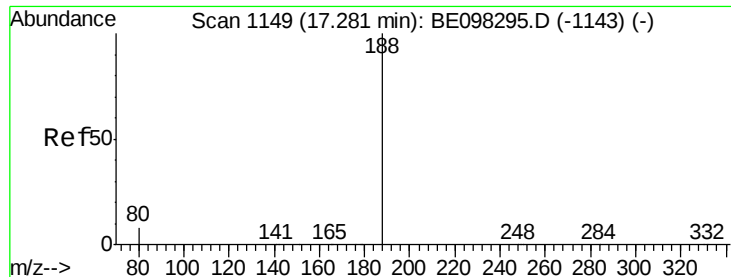
Tgt Ion: 330 Resp: 120  
 Ion Ratio Lower Upper  
 330 100  
 332 100.8 76.2 114.4  
 141 46.7 39.0 58.4



#15  
 2-Fluorobiphenyl  
 Concen: 0.417 ng  
 RT: 13.15 min Scan# 828  
 Delta R.T. -0.00 min  
 Lab File: BE098409.D  
 Acq: 13 Dec 2018 22:39

Tgt Ion: 172 Resp: 5132  
 Ion Ratio Lower Upper  
 172 100  
 171 33.1 27.5 41.3  
 170 22.4 19.6 29.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

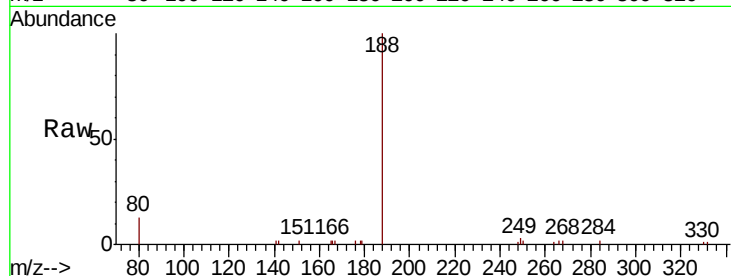
Tgt Ion:188 Resp: 7206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

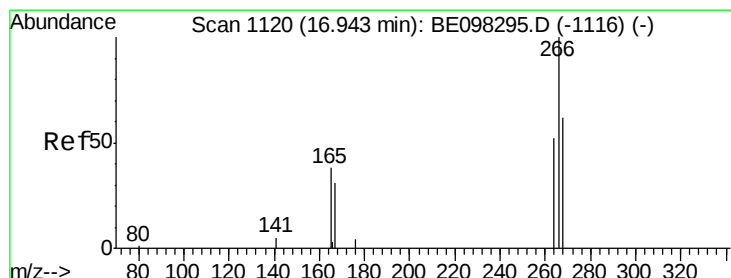
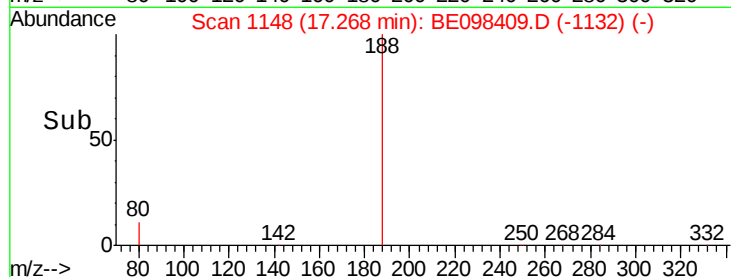
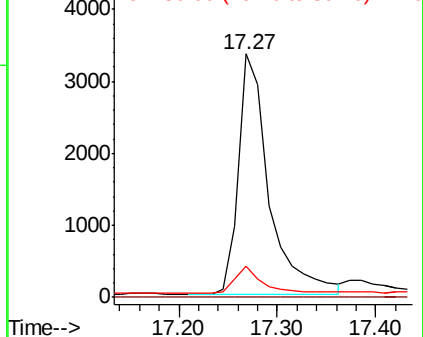
80 12.7 7.2 10.8#



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: 0.024 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

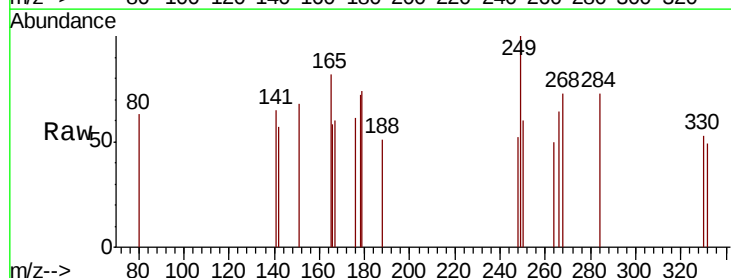
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 78.0 59.0 88.4

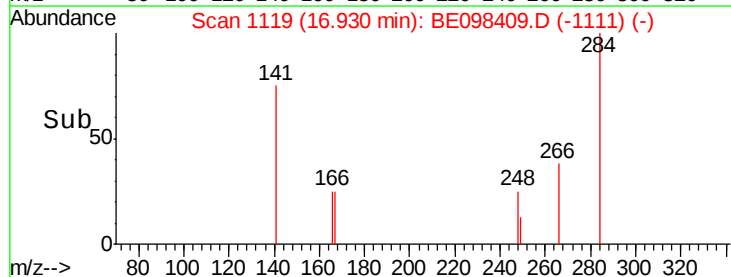
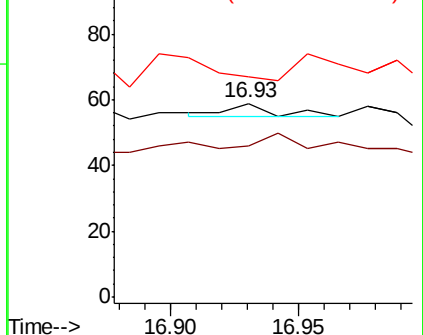
268 113.6 55.1 82.7#

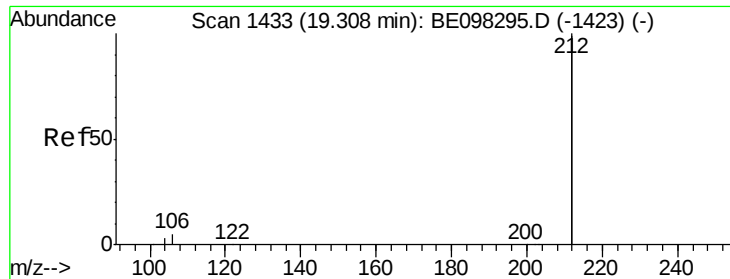


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.460 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

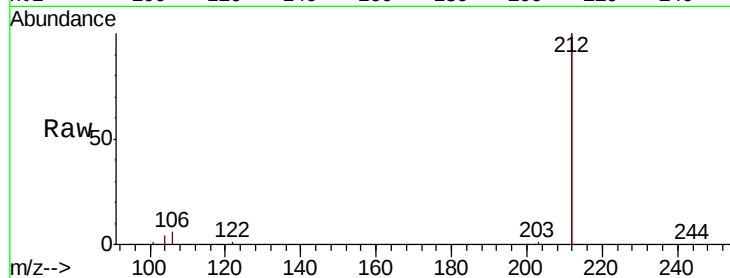
Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

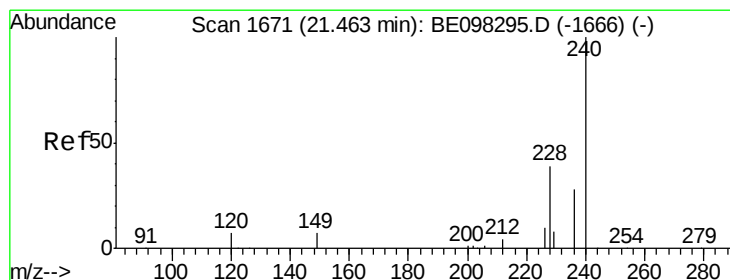
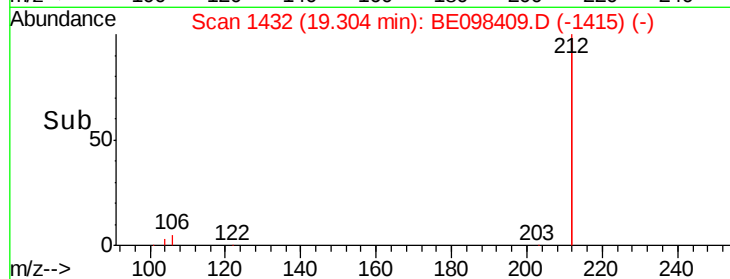
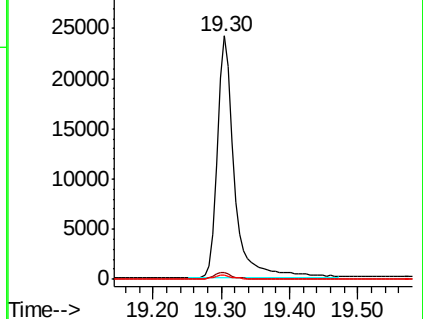
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 42499 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 2.6   | 2.2   | 3.2   |
| 104      | 1.5   | 1.3   | 1.9   |



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

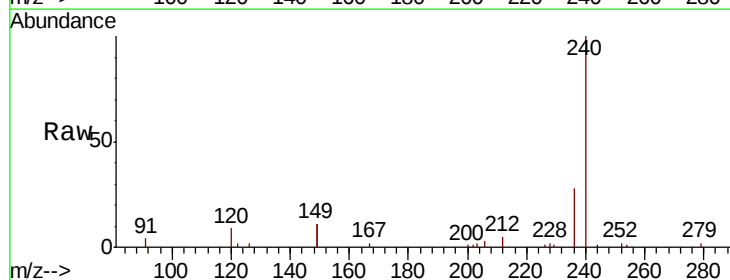
RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

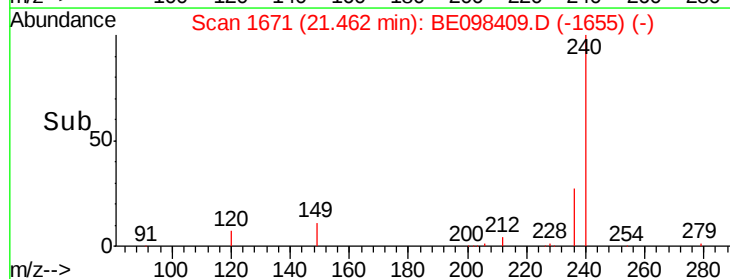
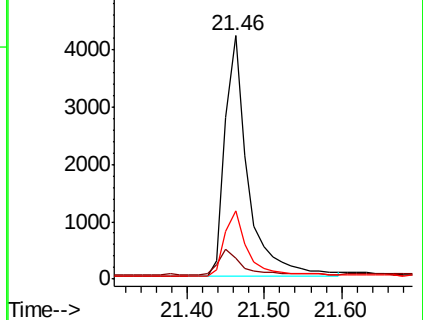
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 8668  |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 8.7   | 9.5   | 14.3# |
| 236      | 28.3  | 22.7  | 34.1  |

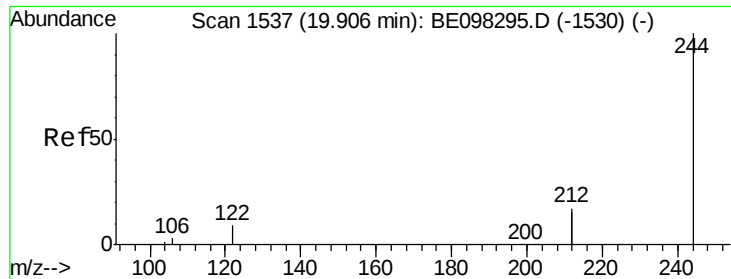


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

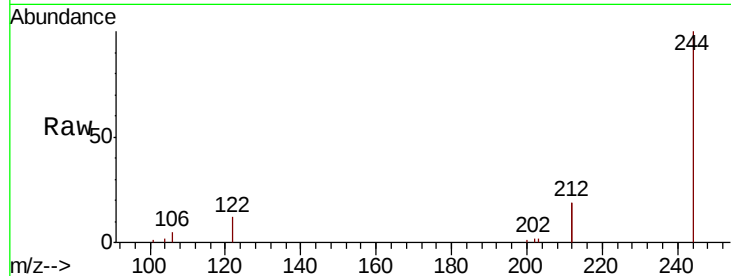
Tgt Ion:244 Resp: 8192

Ion Ratio Lower Upper

244 100

212 37.5 27.4 41.0

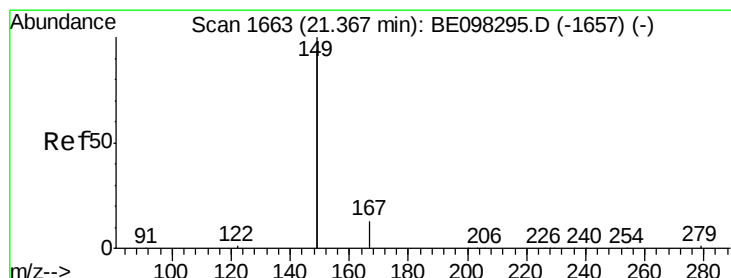
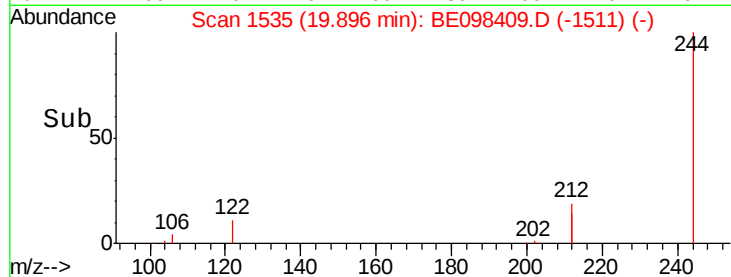
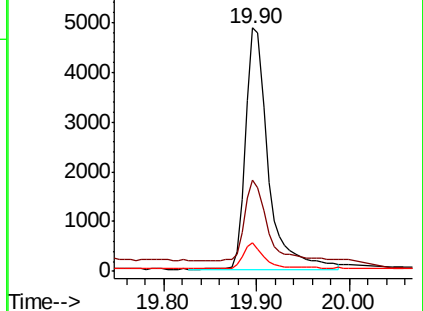
122 11.7 8.3 12.5



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: 0.078 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

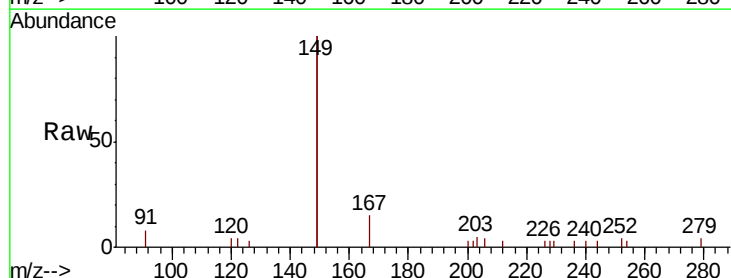
Tgt Ion:149 Resp: 3919

Ion Ratio Lower Upper

149 100

167 7.6 5.7 8.5

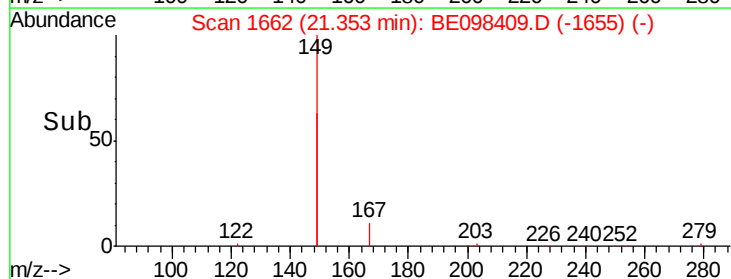
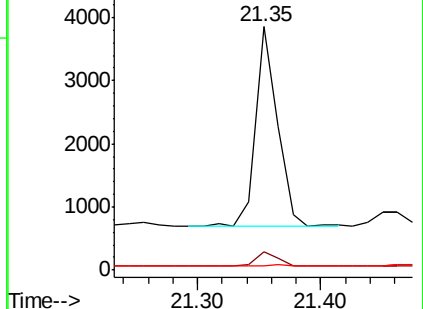
279 1.5 1.0 1.4#

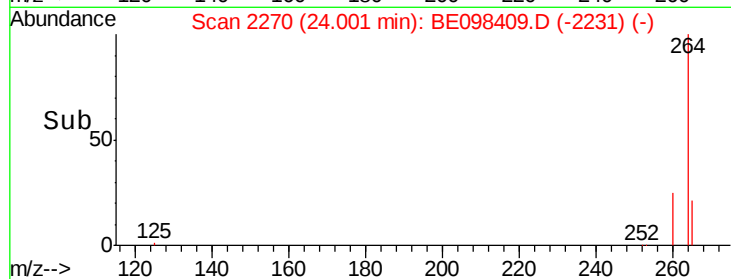
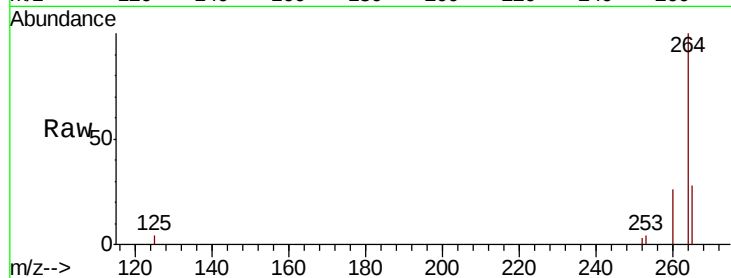
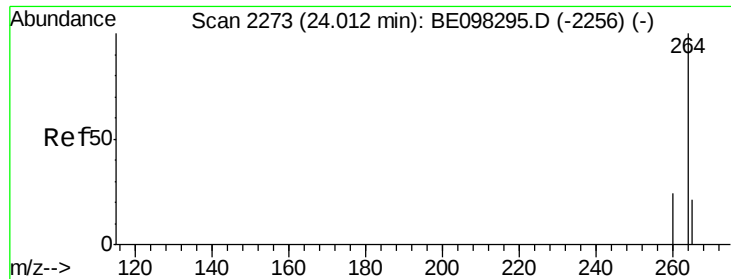


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.00 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BE098409.D

Acq: 13 Dec 2018 22:39

Instrument :

BNA\_E

ClientSampleId :

RE-126D2-20181207

Tgt Ion: 264 Resp: 8290

Ion Ratio Lower Upper

264 100

260 26.2 20.2 30.2

265 28.4 25.2 37.8

