

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\  
 Data File : BE098656.D  
 Acq On : 17 Jan 2019 20:53  
 Operator : SJ/JU  
 Sample : K1174-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
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Quant Time: Jan 18 01:57:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 15 14:30:55 2019  
 Response via : Initial Calibration

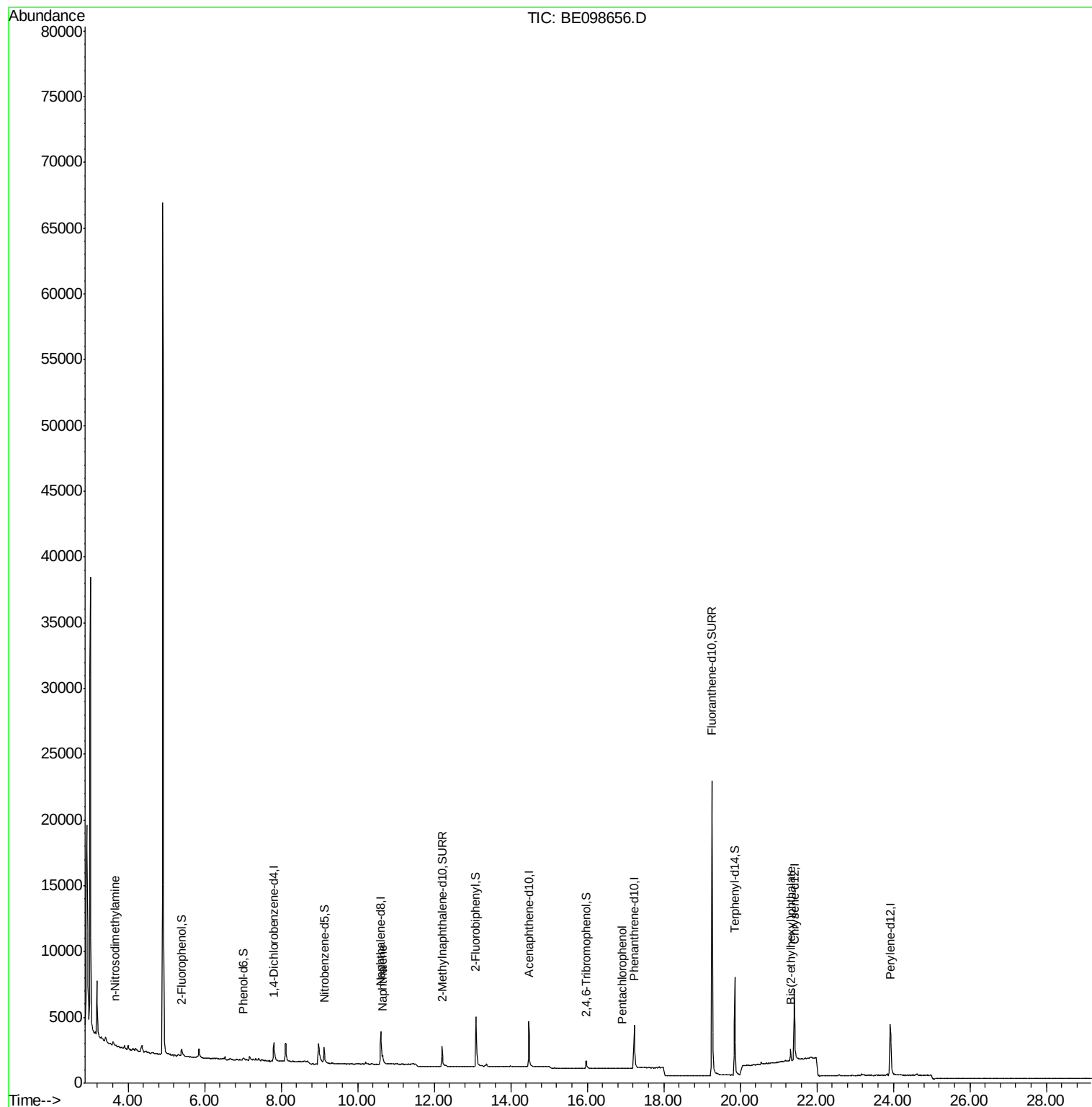
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.81  | 152  | 812      | 0.40      | ng       | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 3554     | 0.40      | ng       | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 2427     | 0.40      | ng       | 0.00     |
| 19) Phenanthrene-d10           | 17.23 | 188  | 5962     | 0.40      | ng       | 0.00     |
| 27) Chrysene-d12               | 21.41 | 240  | 6961     | 0.40      | ng       | 0.00     |
| 34) Perylene-d12               | 23.92 | 264  | 6889     | 0.40      | ng       | 0.00     |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 4) 2-Fluorophenol              | 5.40  | 112  | 424      | 0.20      | ng       | 0.00     |
| 5) Phenol-d6                   | 7.01  | 99   | 292      | 0.09      | ng       | 0.01     |
| 8) Nitrobenzene-d5             | 9.12  | 82   | 277      | 0.10      | ng       | 0.16     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2688     | 0.46      | ng       | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.98 | 330  | 526      | 0.50      | ng       | 0.01     |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 5082     | 0.51      | ng       | 0.00     |
| 25) Fluoranthene-d10           | 19.26 | 212  | 34468    | 0.47      | ng       | 0.00     |
| 29) Terphenyl-d14              | 19.86 | 244  | 7532     | 0.49      | ng       | 0.00     |
| Target Compounds               |       |      |          |           |          |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 28       | Below Cal | Qvalue # | 11       |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 23       | 0.141 ng  | #        | 64       |
| 9) Naphthalene                 | 10.65 | 128  | 917      | 0.026 ng  | #        | 83       |
| 22) Pentachlorophenol          | 16.92 | 266  | 15       | 0.213 ng  | #        | 79       |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 1007     | 0.025 ng  | #        | 93       |

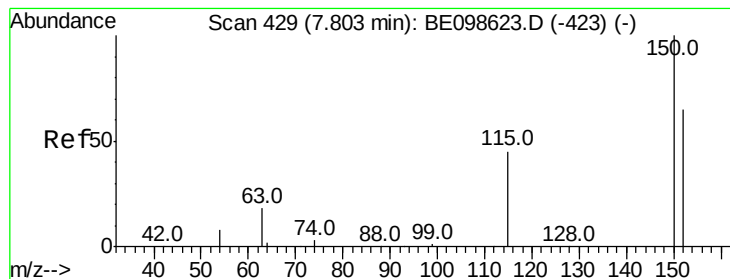
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

FIELD-BLANK

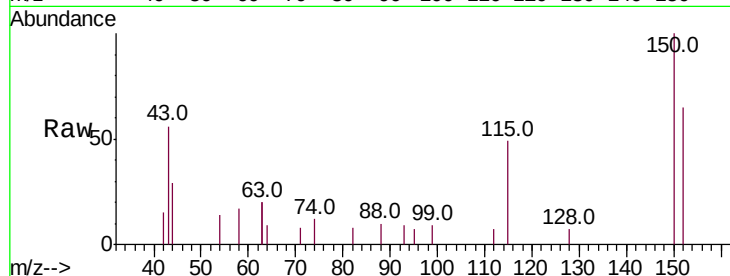
Tot Ion:152 Resp: 812

Ion Ratio Lower Upper

152 100

150 153.1 121.4 182.2

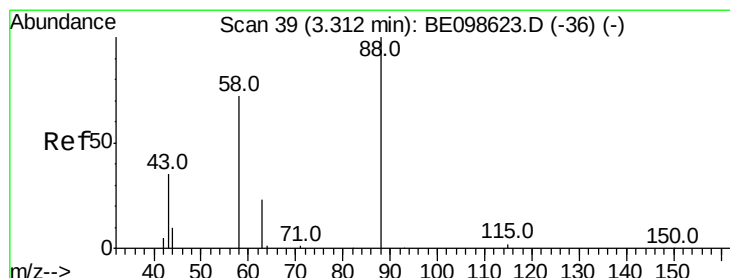
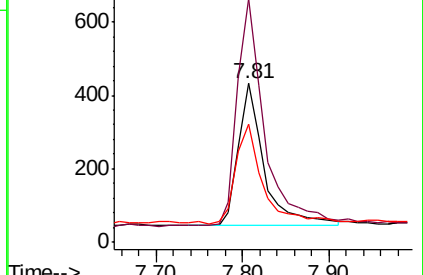
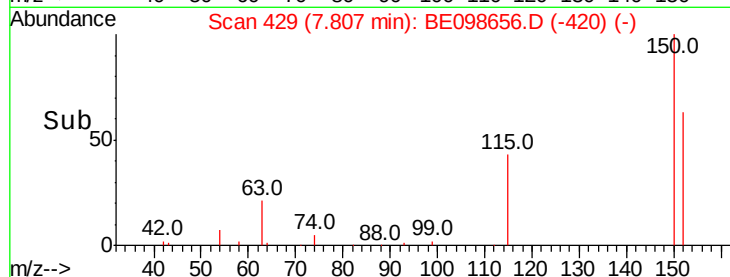
115 74.6 59.1 88.7



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: Below Cal

RT: 3.34 min Scan# 41

Delta R.T. 0.03 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

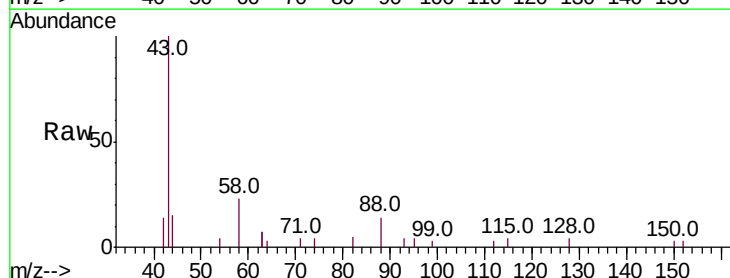
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

58 0.0 73.9 110.9#

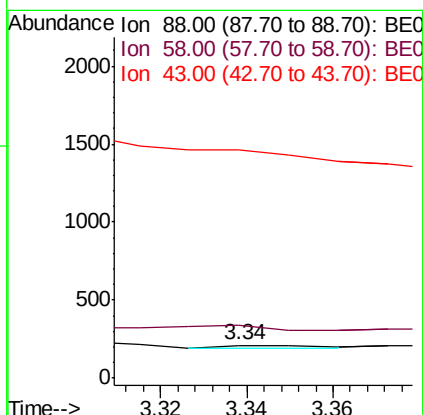
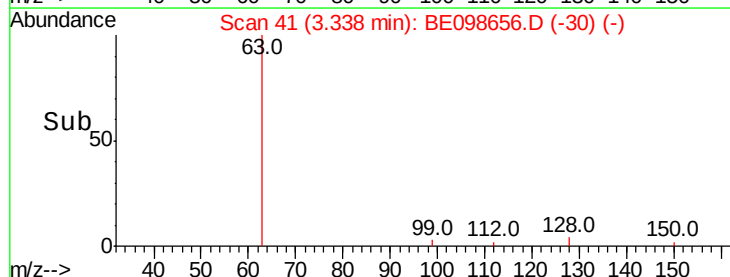
43 0.0 43.7 65.5#

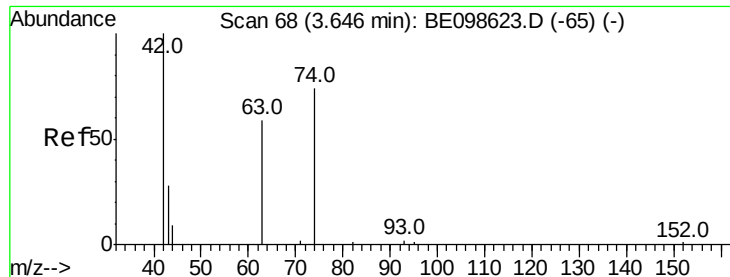


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.141 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.03 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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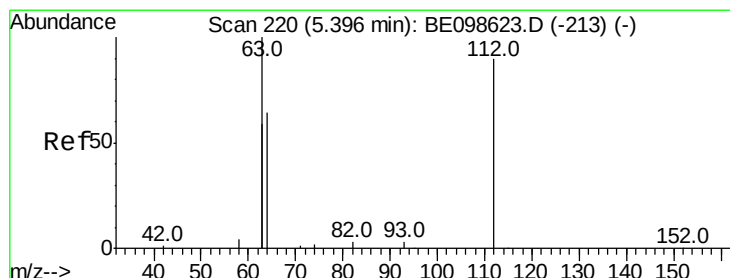
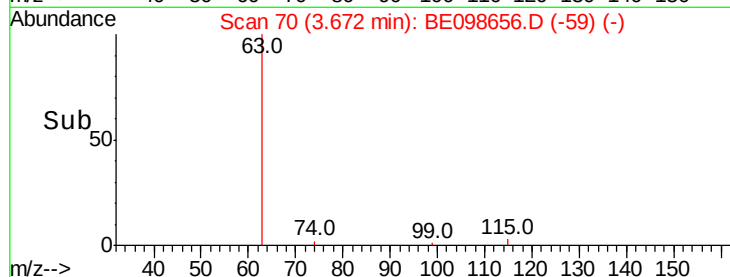
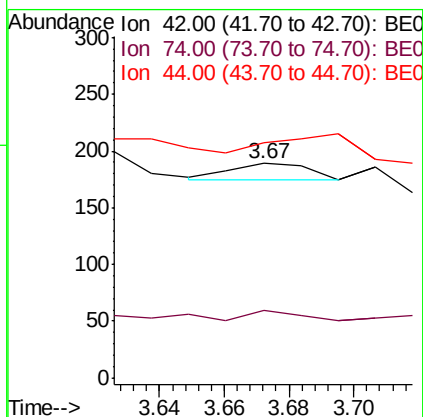
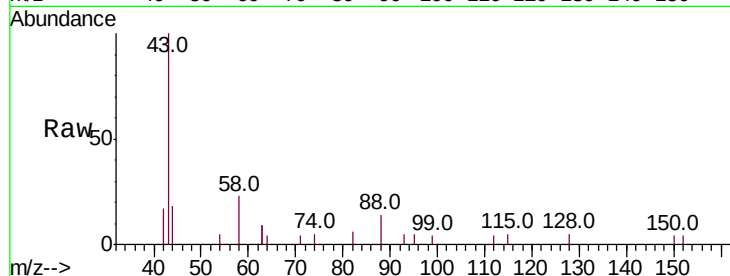
Tot Ion: 42 Resp: 23

Ion Ratio Lower Upper

42 100

74 43.5 58.9 88.3#

44 0.0 0.0 0.0



#4

2-Fluorophenol

Concen: 0.196 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

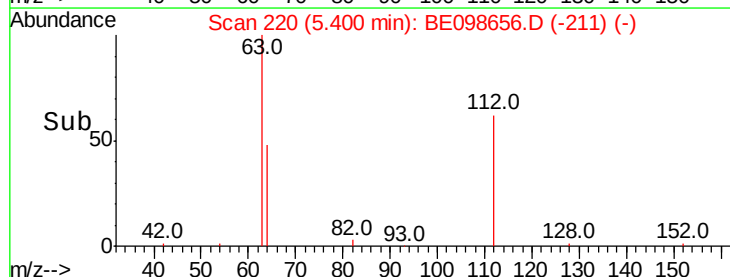
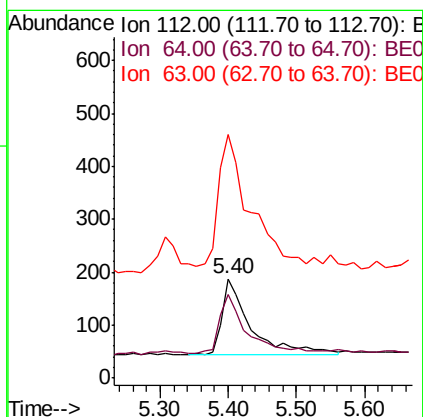
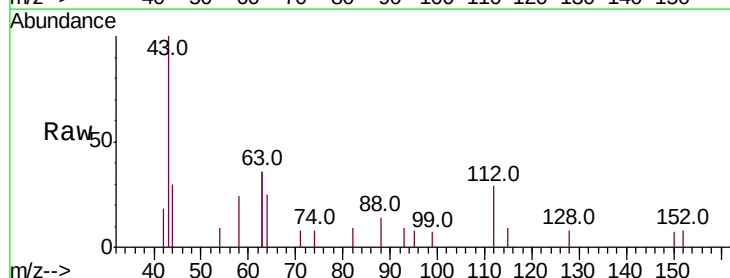
Tgt Ion: 112 Resp: 424

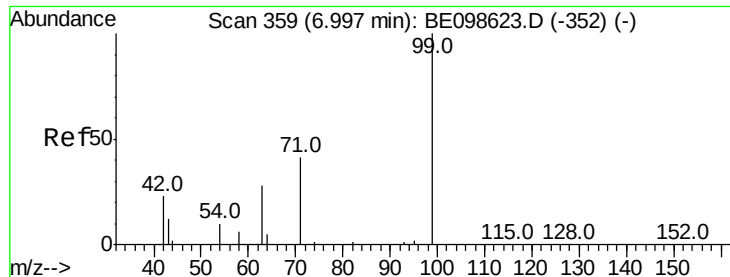
Ion Ratio Lower Upper

112 100

64 71.9 62.9 94.3

63 188.4 152.2 228.4





#5

Phenol-d6

Concen: 0.095 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.01 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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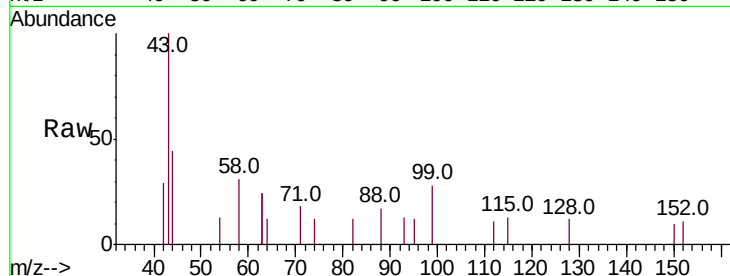
Tot Ion: 99 Resp: 292

Ion Ratio Lower Upper

99 100

42 30.8 24.6 37.0

71 44.2 35.1 52.7



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

7.01

150

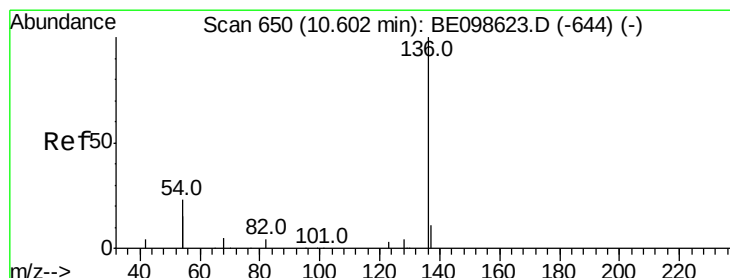
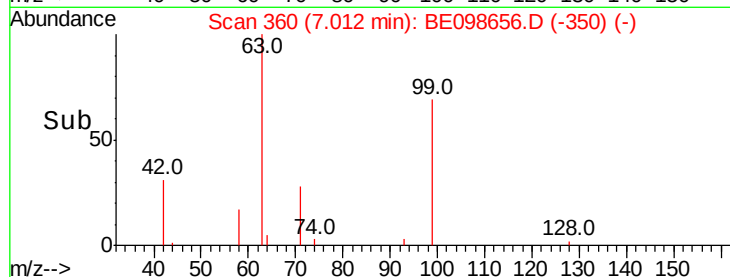
100

50

0

6.90 7.00 7.10 7.20

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Tgt Ion: 136 Resp: 3554

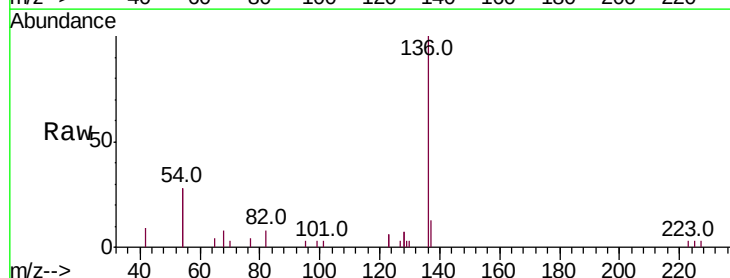
Ion Ratio Lower Upper

136 100

137 13.5 9.7 14.5

54 55.9 35.5 53.3#

68 7.8 5.0 7.6#



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

2000

1500

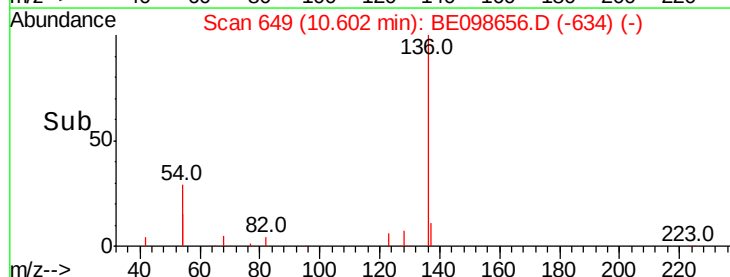
1000

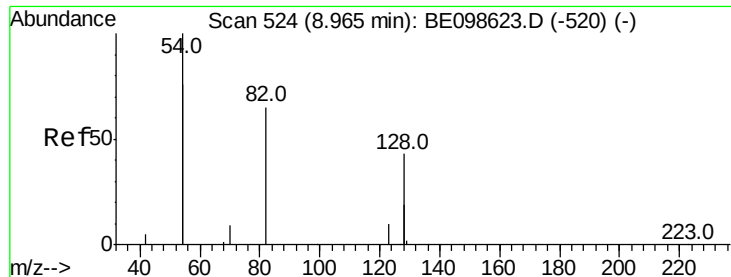
500

0

10.50 10.60 10.70 10.80

Time-->





#8

Nitrobenzene-d5

Concen: 0.098 ng

RT: 9.12 min Scan# 535

Delta R.T. 0.16 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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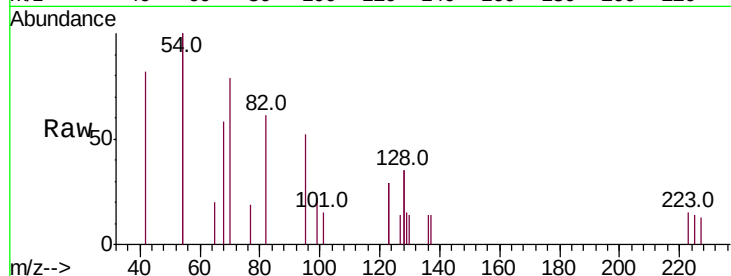
Tot Ion: 82 Resp: 277

Ion Ratio Lower Upper

82 100

128 115.2 96.5 144.7

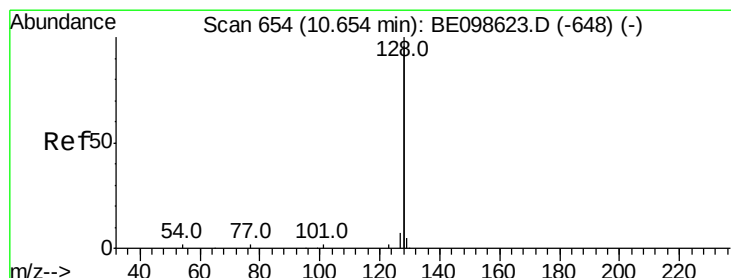
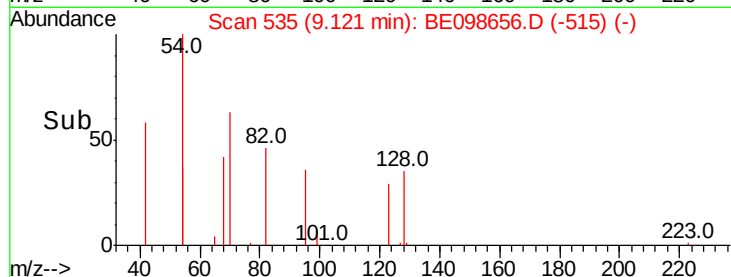
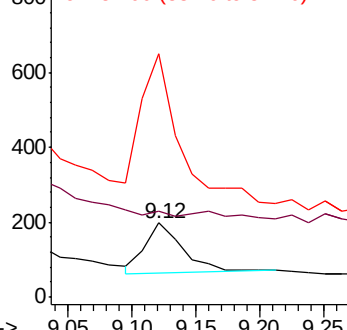
54 328.3 224.7 337.1



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



#9

Naphthalene

Concen: 0.026 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

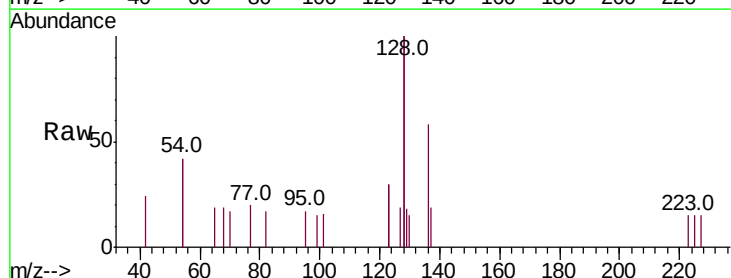
Tgt Ion: 128 Resp: 917

Ion Ratio Lower Upper

128 100

129 9.0 2.6 3.8#

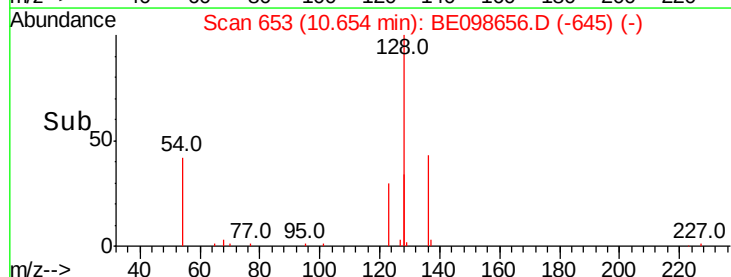
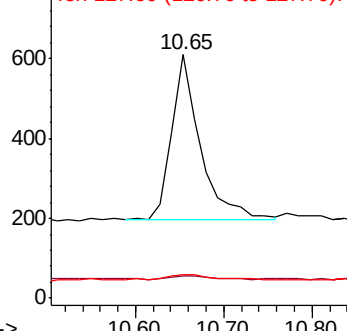
127 9.5 3.0 4.6#

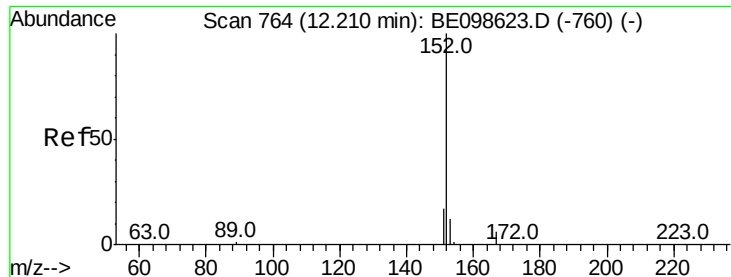


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

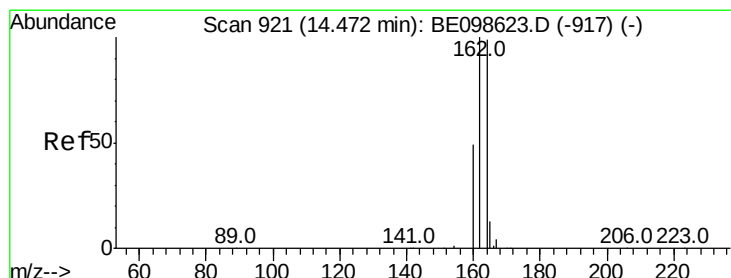
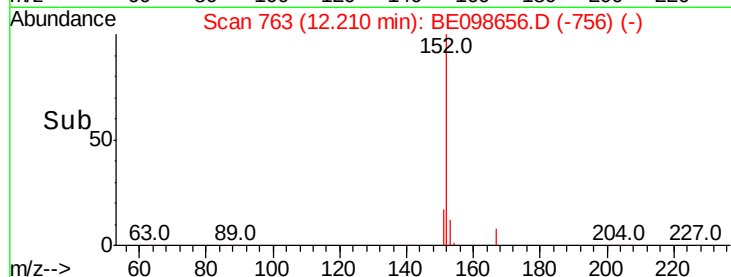
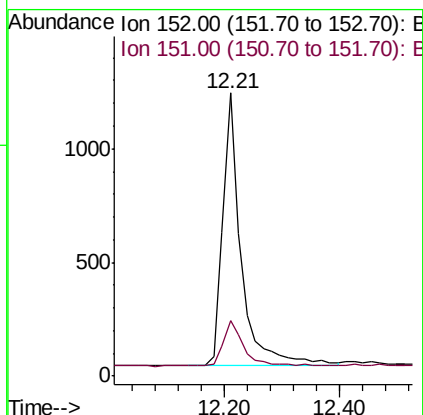
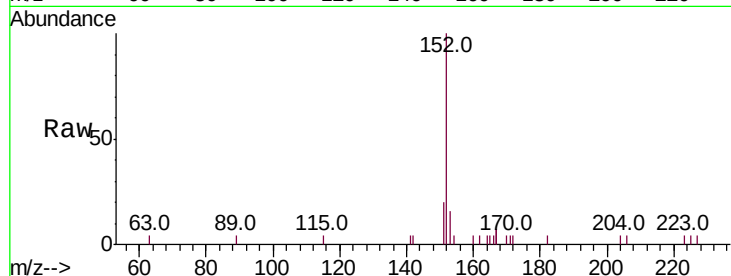




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.460 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. -0.00 min  
 Lab File: BE098656.D  
 Acq: 17 Jan 2019 20:53

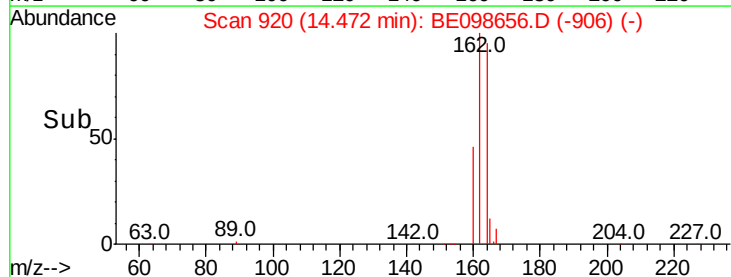
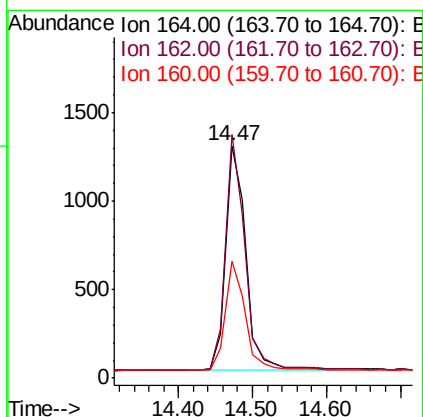
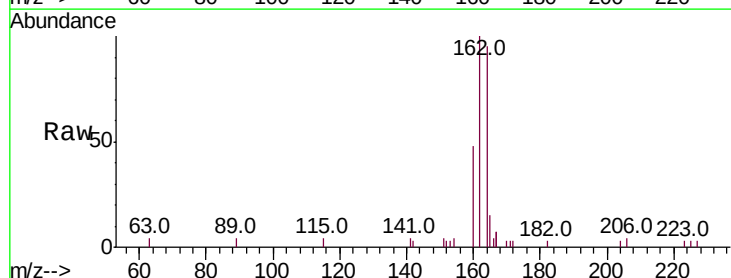
Instrument :  
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 ClientSampleId :  
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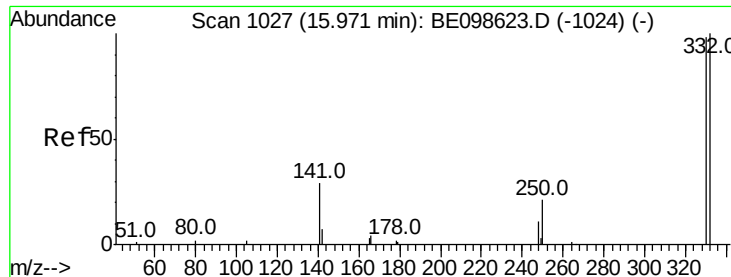
Tot Ion:152 Resp: 2688  
 Ion Ratio Lower Upper  
 152 100  
 151 19.0 16.2 24.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. -0.00 min  
 Lab File: BE098656.D  
 Acq: 17 Jan 2019 20:53

Tgt Ion:164 Resp: 2427  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 80.5 120.7  
 160 50.1 40.1 60.1

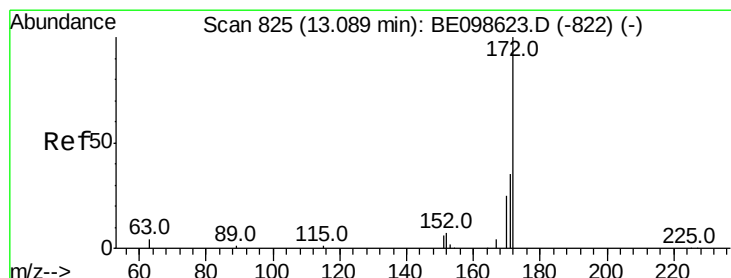
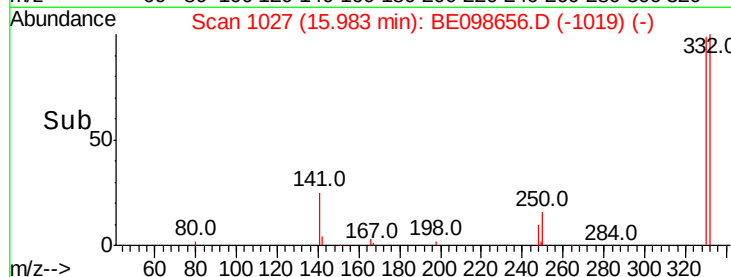
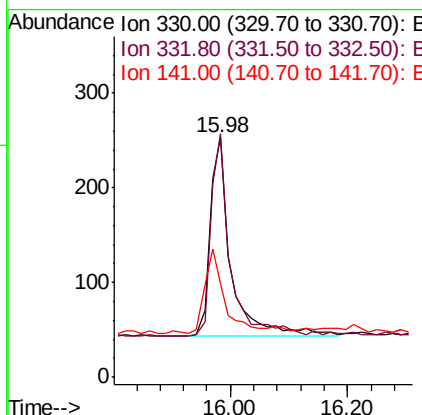
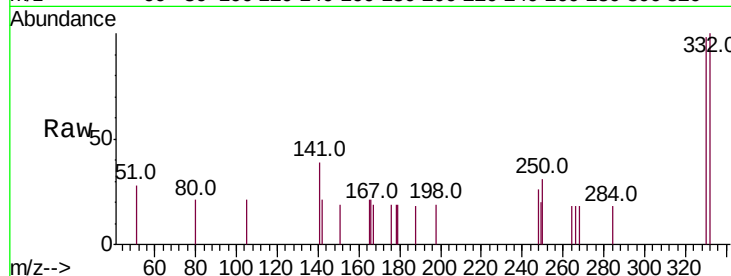




#14  
 2,4,6-Tribromophenol  
 Concen: 0.498 ng  
 RT: 15.98 min Scan# 1027  
 Delta R.T. 0.01 min  
 Lab File: BE098656.D  
 Acq: 17 Jan 2019 20:53

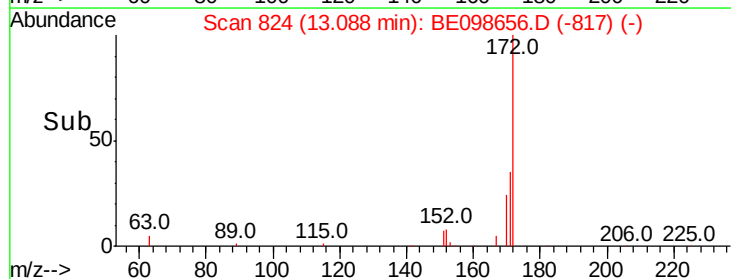
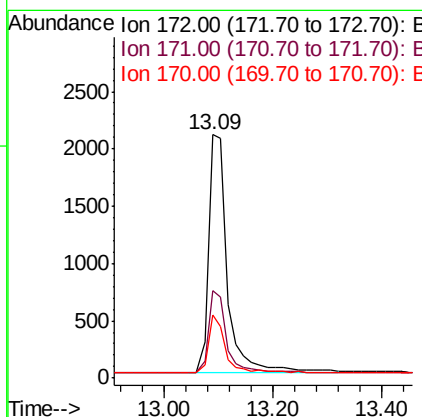
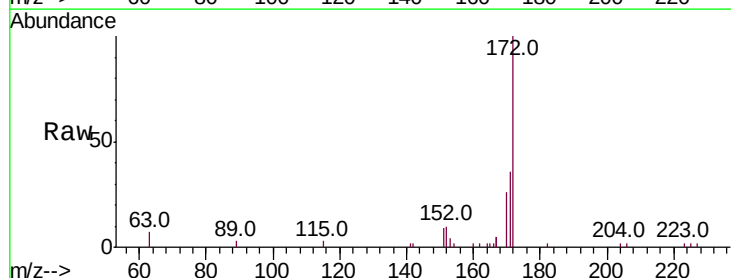
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 BNA\_E  
 ClientSampleId :  
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Tot Ion:330 Resp: 526  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 73.3 109.9  
 141 38.8 33.1 49.7

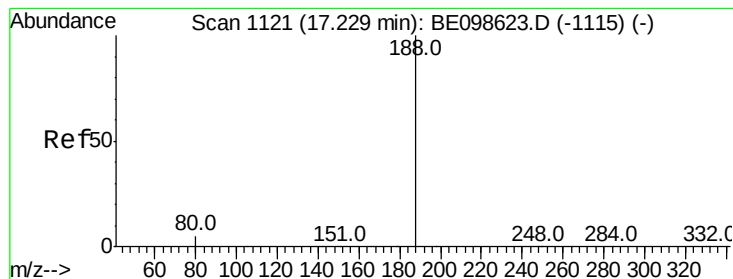


#15  
 2-Fluorobiphenyl  
 Concen: 0.511 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. -0.00 min  
 Lab File: BE098656.D  
 Acq: 17 Jan 2019 20:53

Tgt Ion:172 Resp: 5082  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.0 43.4  
 170 26.0 20.8 31.2







#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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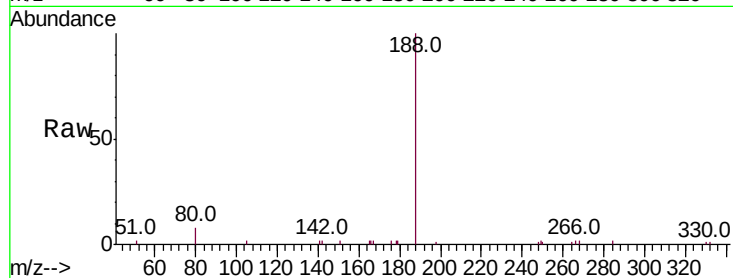
Tot Ion:188 Resp: 5962

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

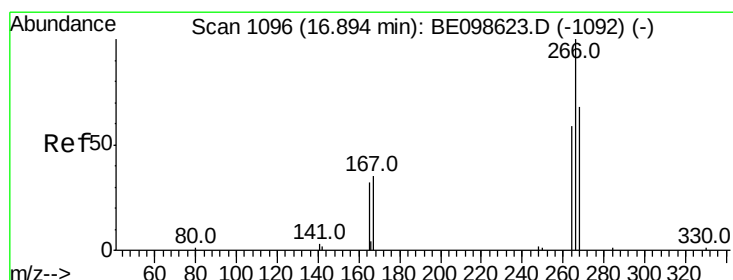
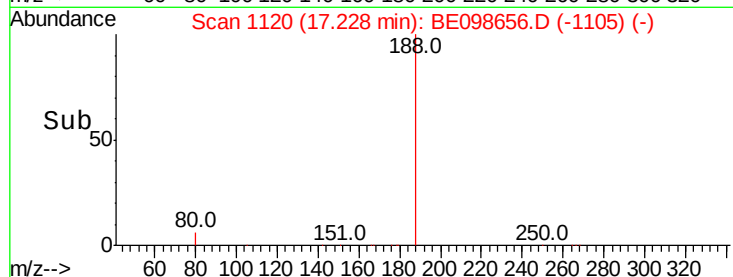
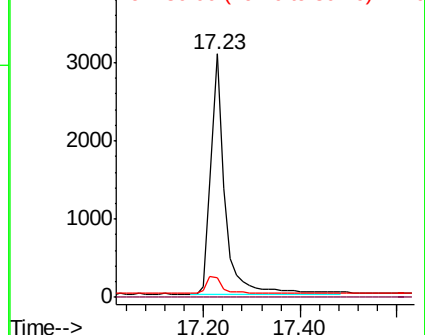
80 7.9 4.7 7.1#



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: 0.213 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.03 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

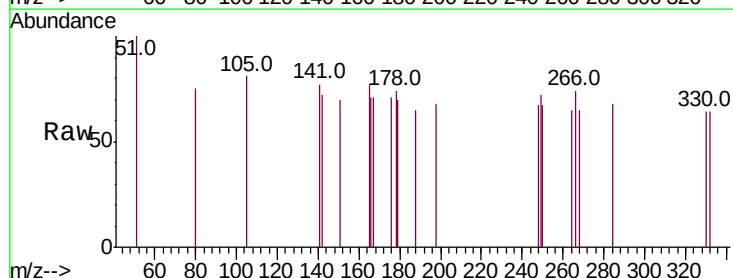
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 88.2 53.7 80.5#

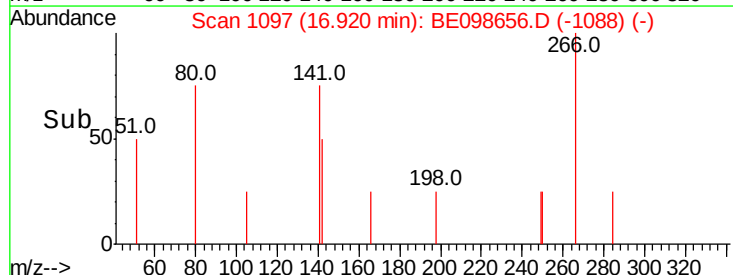
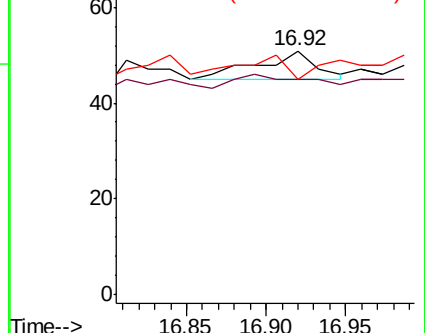
268 88.2 59.8 89.8

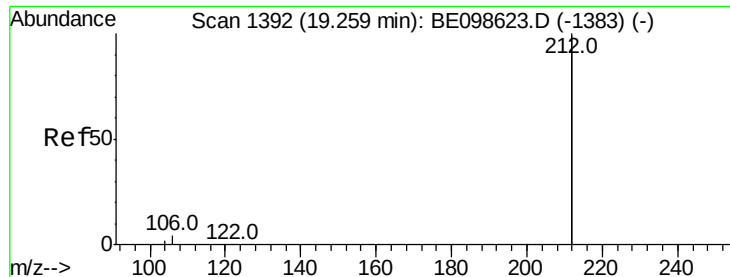


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.467 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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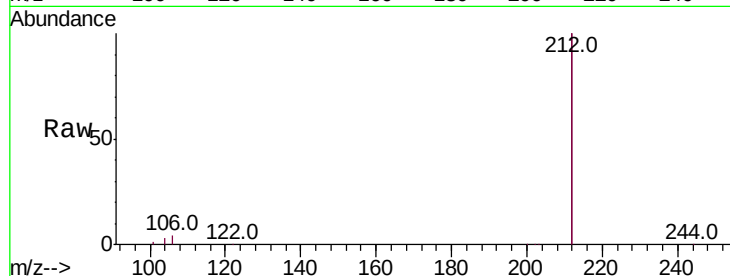
Tot Ion:212 Resp: 34468

Ion Ratio Lower Upper

212 100

106 1.9 1.7 2.5

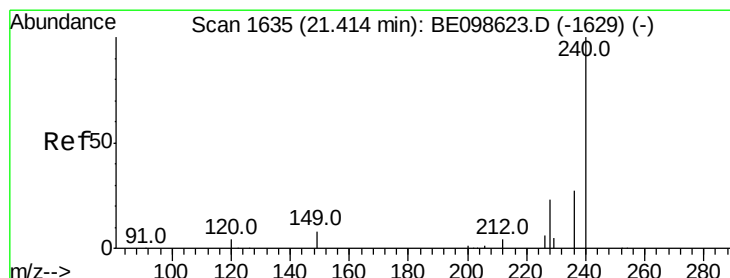
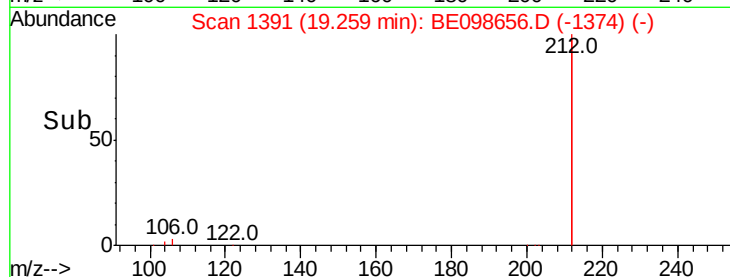
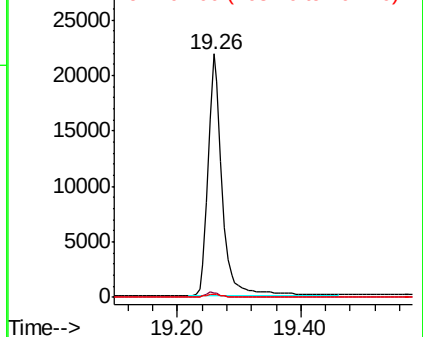
104 1.1 1.0 1.6



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: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

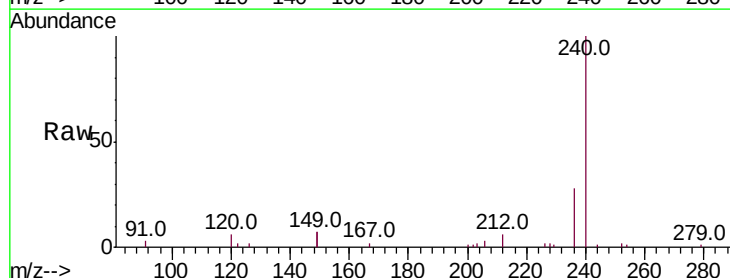
Tgt Ion:240 Resp: 6961

Ion Ratio Lower Upper

240 100

120 5.7 4.7 7.1

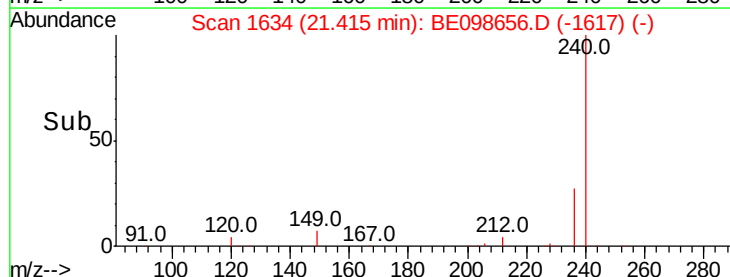
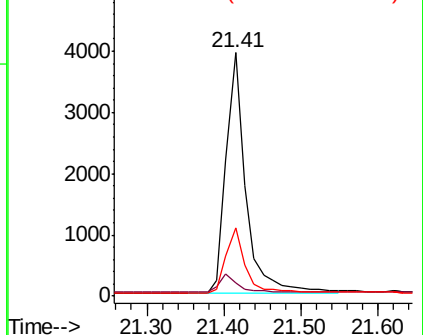
236 28.2 21.9 32.9

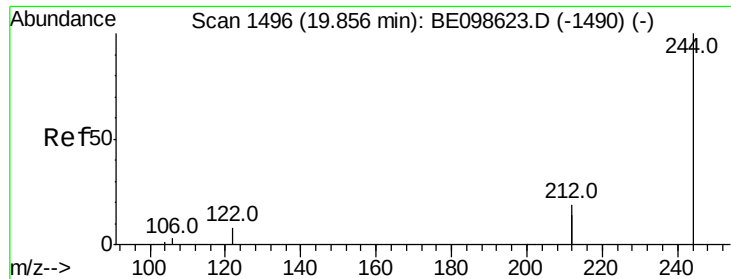


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.489 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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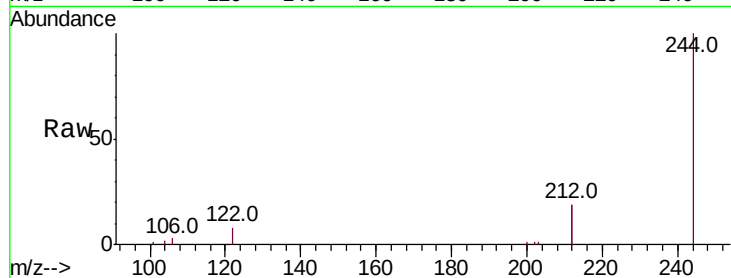
Tot Ion:244 Resp: 7532

Ion Ratio Lower Upper

244 100

212 38.6 29.4 44.2

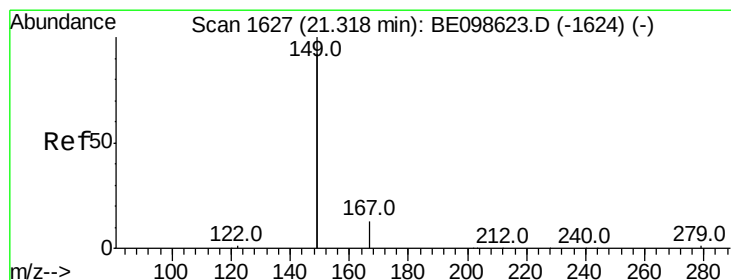
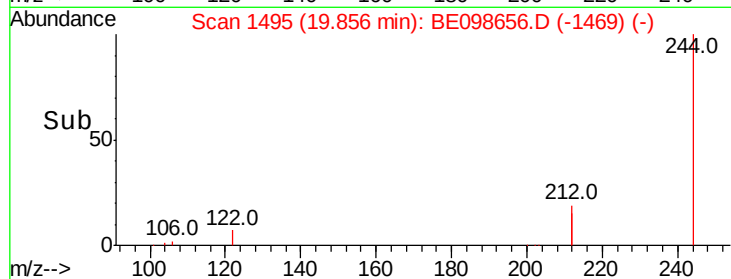
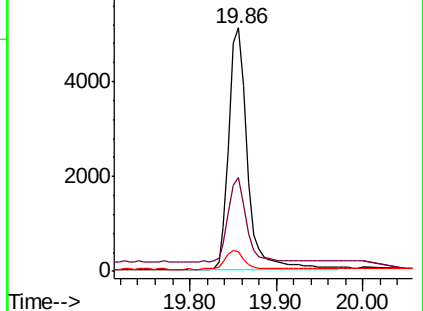
122 8.0 7.1 10.7



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: 0.025 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

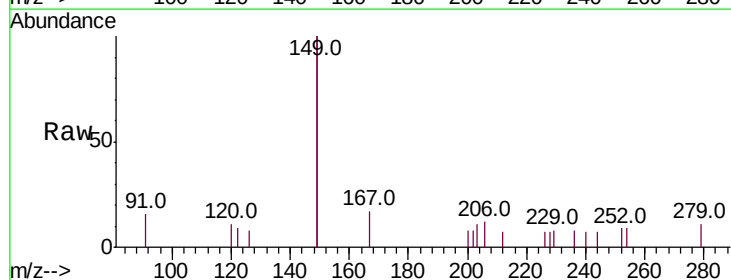
Tgt Ion:149 Resp: 1007

Ion Ratio Lower Upper

149 100

167 9.4 5.4 8.2#

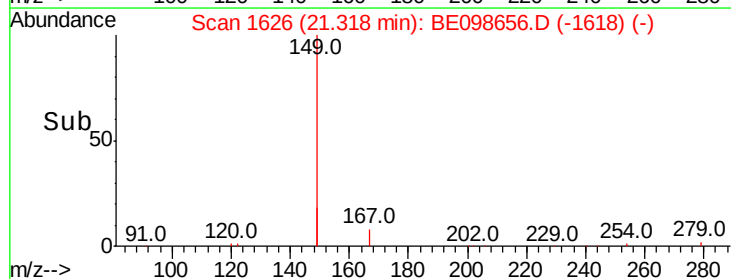
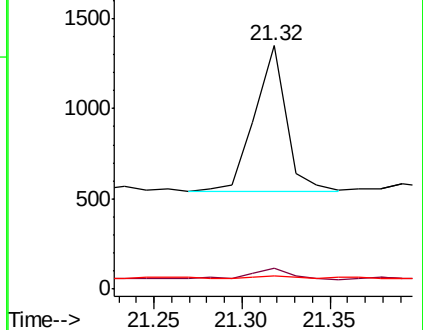
279 2.4 1.0 1.4#

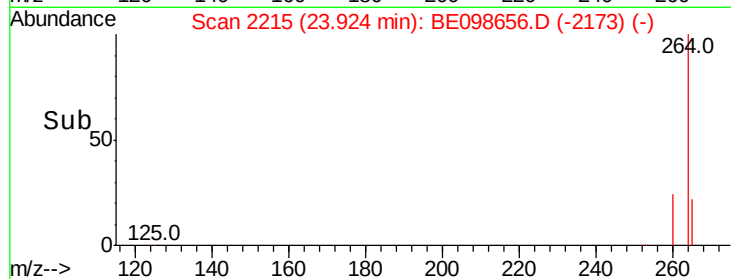
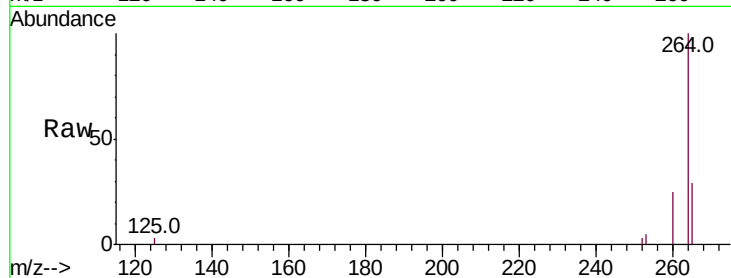
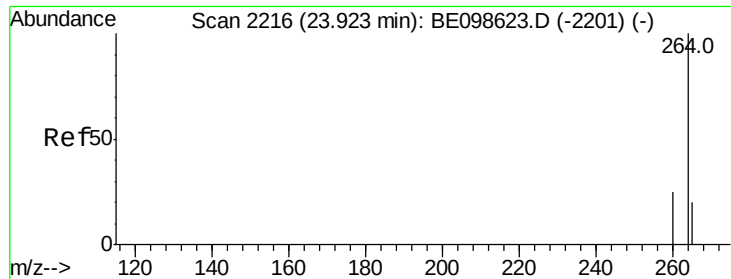


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BE098656.D

Acq: 17 Jan 2019 20:53

Instrument :

BNA\_E

ClientSampleId :

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Tot Ion:264 Resp: 6889

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

265 28.8 22.3 33.5

