

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\  
 Data File : BE099776.D  
 Acq On : 29 May 2019 14:57  
 Operator : JU/SJ  
 Sample : K3066-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-27(3.5-4)

Quant Time: May 29 17:27:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 20 19:29:40 2019  
 Response via : Initial Calibration

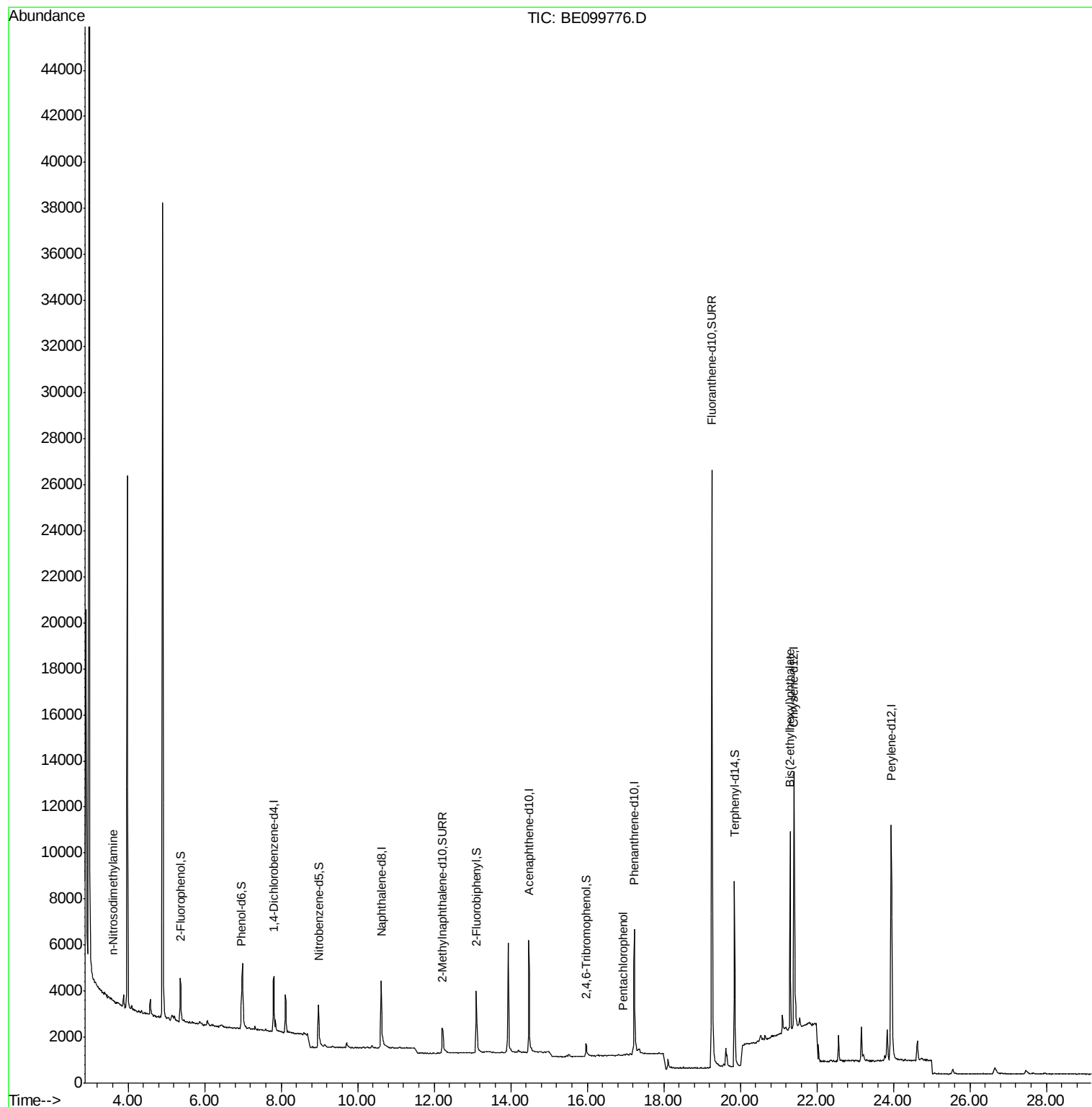
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 1406     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.61 | 136  | 4747     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 3419     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.23 | 188  | 9962     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 14946    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.95 | 264  | 17508    | 0.40  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.37  | 112  | 1244     | 0.35  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.96  | 99   | 1638     | 0.35  | ng    | -0.01    |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 1186     | 0.29  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2324     | 0.28  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 558      | 0.35  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 3488     | 0.27  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.25 | 212  | 39869    | 0.29  | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.85 | 244  | 8554     | 0.32  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 3) n-Nitrosodimethylamine      | 3.60  | 42   | 39       | 0.034 | ng    | # 1      |
| 22) Pentachlorophenol          | 16.93 | 266  | 5        | 0.183 | ng    | # 72     |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 9190     | 0.188 | ng    | 99       |

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

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FESB-27(3.5-4)

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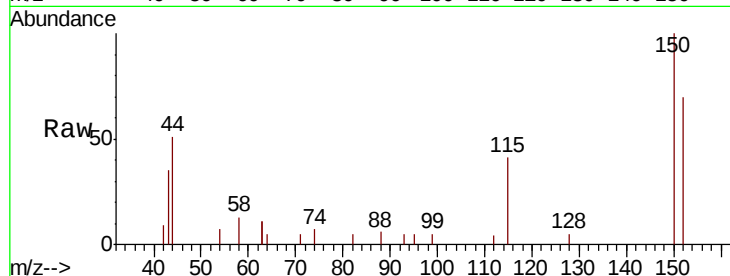


#1

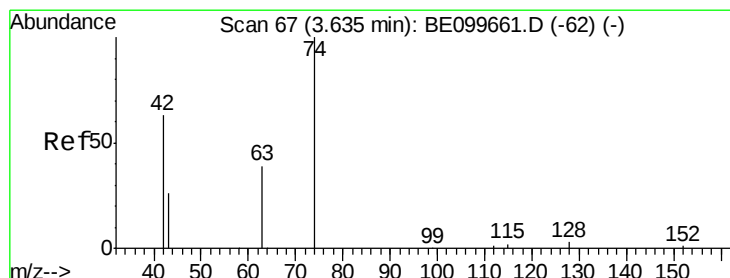
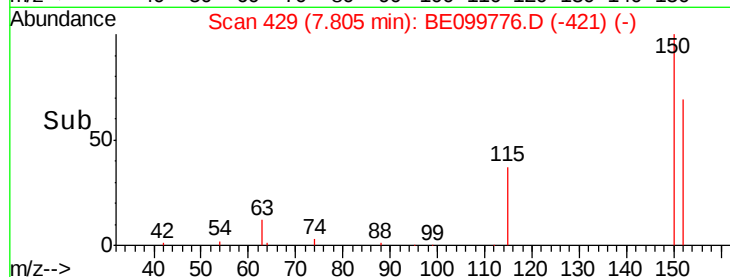
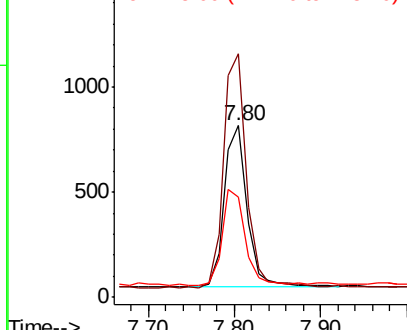
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BE099776.D  
Acq: 29 May 2019 14:57

Instrument :  
BNA\_E  
ClientSampleId :  
FESB-27(3.5-4)

Tot Ion:152 Resp: 1406  
Ion Ratio Lower Upper  
152 100  
150 142.1 109.2 163.8  
115 58.5 43.7 65.5



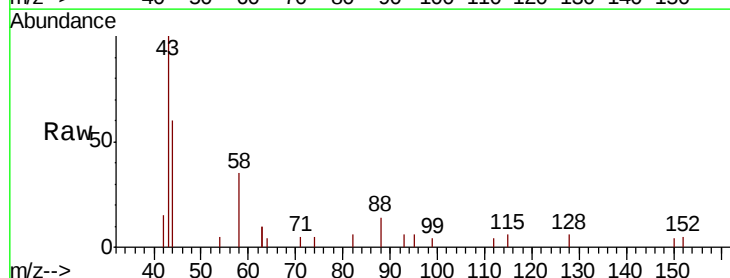
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



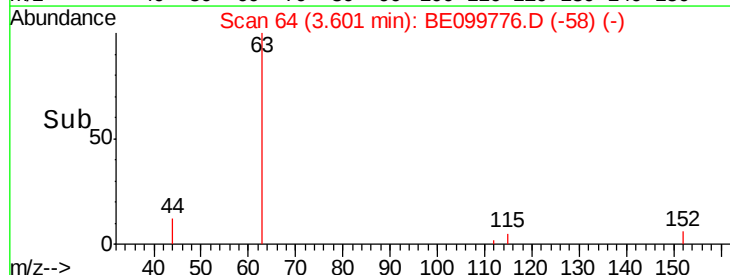
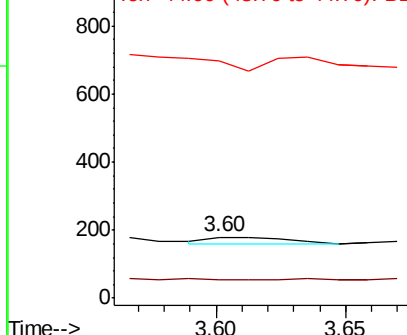
#3

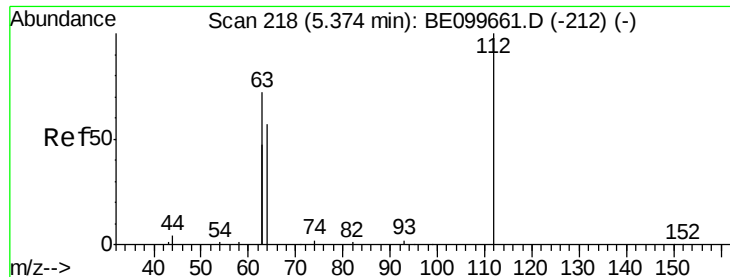
n-Nitrosodimethylamine  
Concen: 0.034 ng  
RT: 3.60 min Scan# 64  
Delta R.T. -0.03 min  
Lab File: BE099776.D  
Acq: 29 May 2019 14:57

Tgt Ion: 42 Resp: 39  
Ion Ratio Lower Upper  
42 100  
74 0.0 129.2 193.8#  
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: 0.350 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

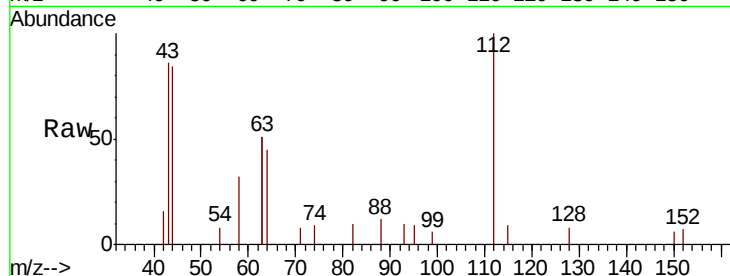
Tot Ion:112 Resp: 1244

Ion Ratio Lower Upper

112 100

64 53.4 43.4 65.2

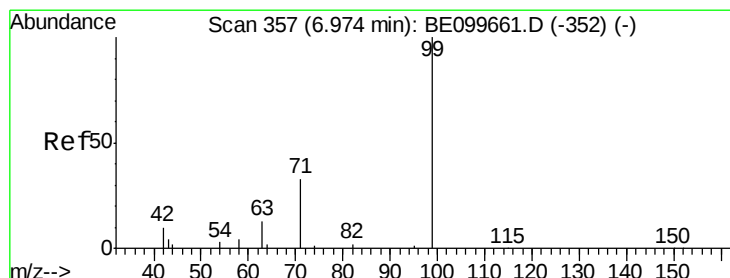
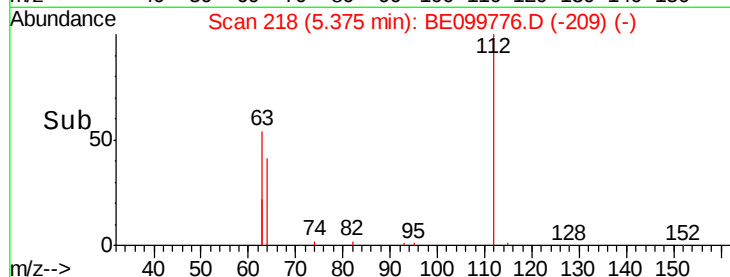
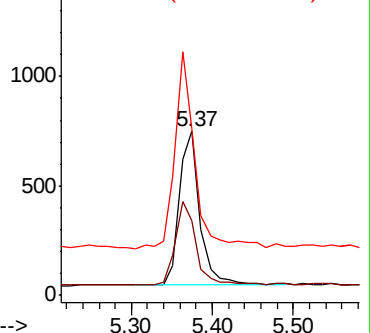
63 124.2 96.9 145.3



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: 0.348 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

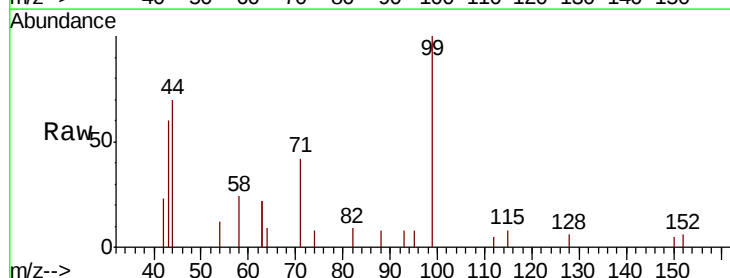
Tgt Ion: 99 Resp: 1638

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

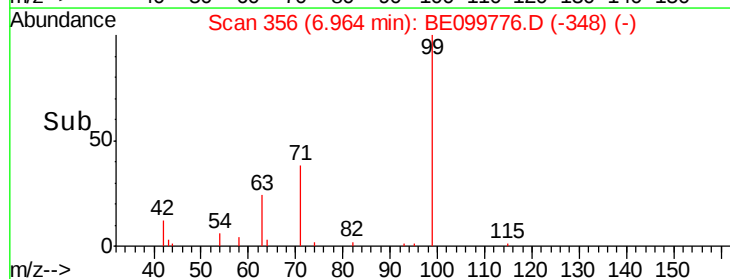
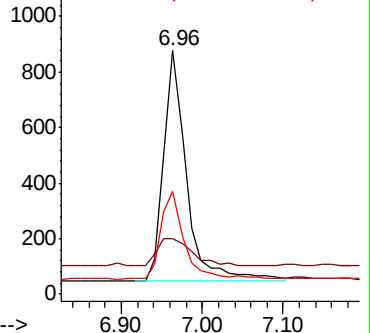
71 41.9 28.9 43.3

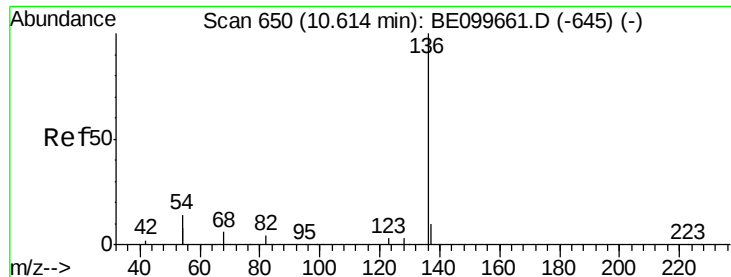


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

Tot Ion:136 Resp: 4747

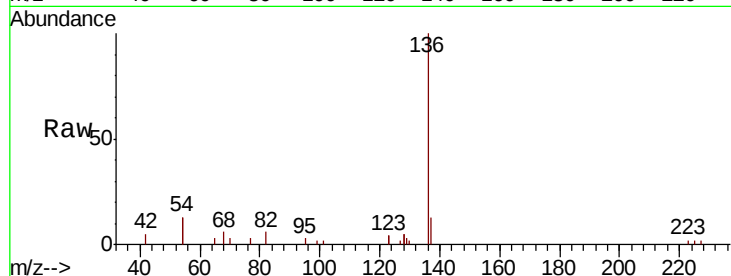
Ion Ratio Lower Upper

136 100

137 13.3 9.0 13.6

54 25.8 22.3 33.5

68 6.3 6.0 9.0

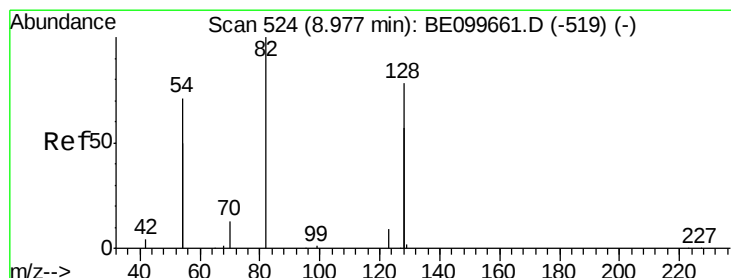
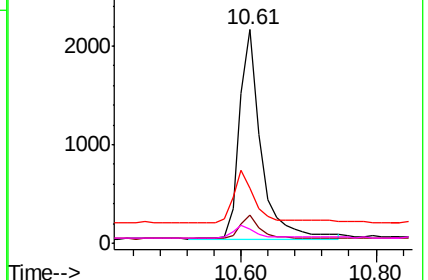
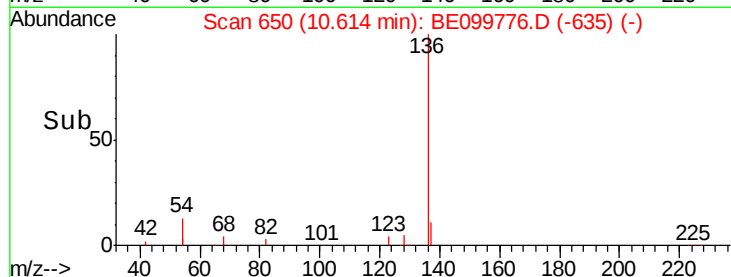


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.289 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

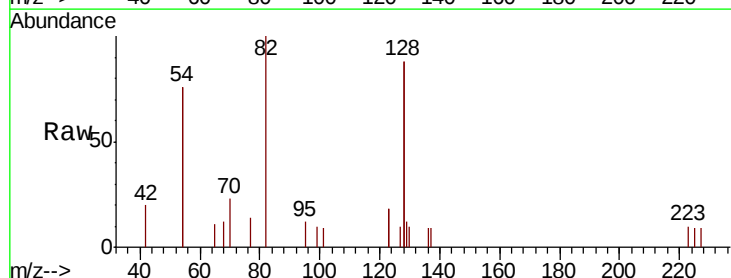
Tgt Ion: 82 Resp: 1186

Ion Ratio Lower Upper

82 100

128 176.5 117.7 176.5#

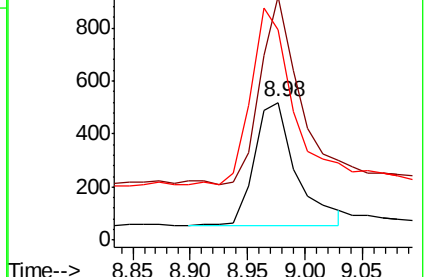
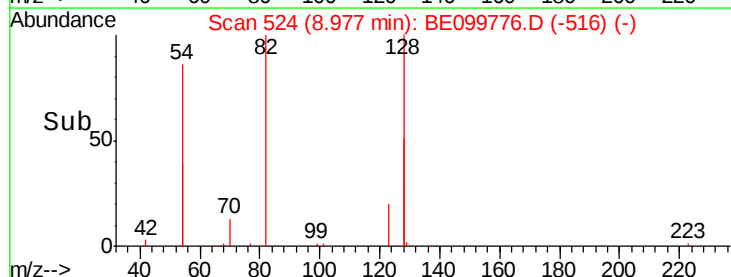
54 152.3 106.6 160.0

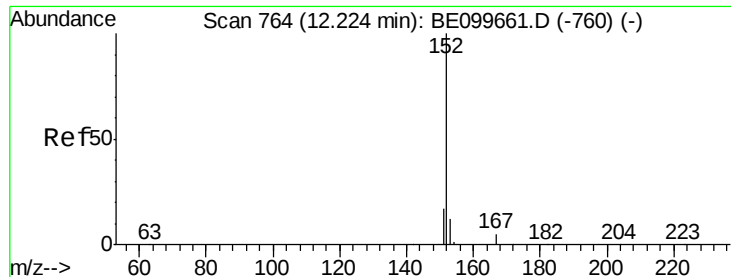


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

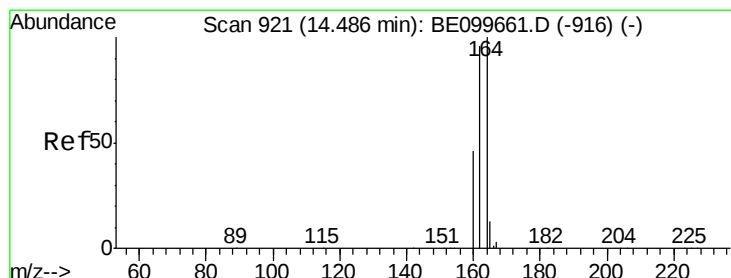
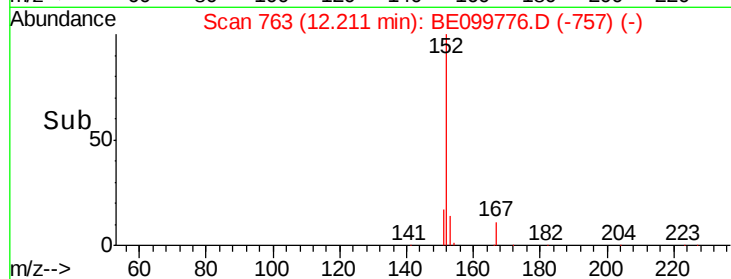
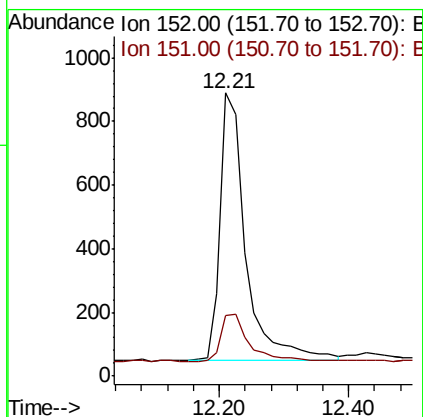
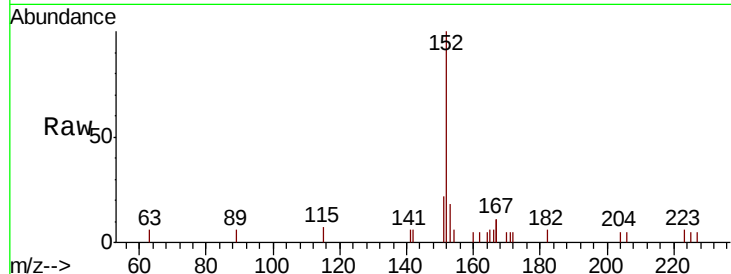




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.284 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. -0.01 min  
 Lab File: BE099776.D  
 Acq: 29 May 2019 14:57

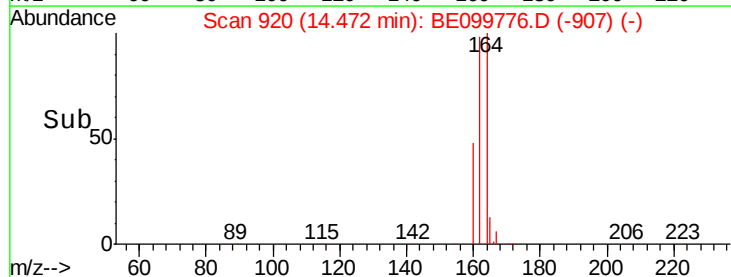
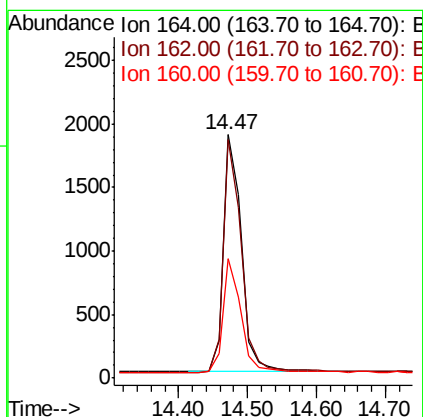
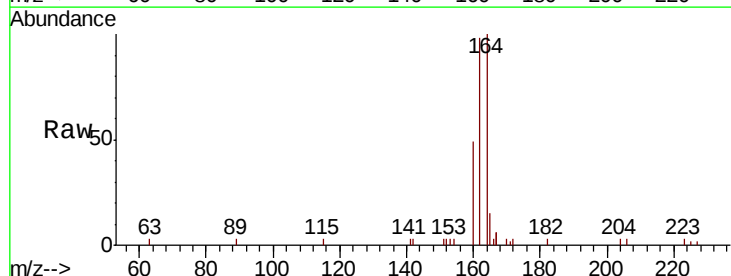
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-27(3.5-4)

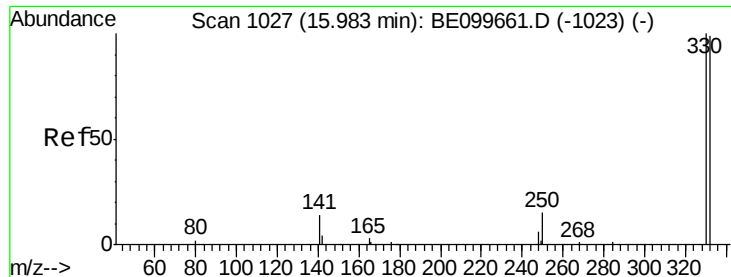
Tot Ion:152 Resp: 2324  
 Ion Ratio Lower Upper  
 152 100  
 151 18.8 15.0 22.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.47 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: BE099776.D  
 Acq: 29 May 2019 14:57

Tgt Ion:164 Resp: 3419  
 Ion Ratio Lower Upper  
 164 100  
 162 97.9 76.5 114.7  
 160 49.3 37.4 56.2





#14

2,4,6-Tribromophenol

Concen: 0.348 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

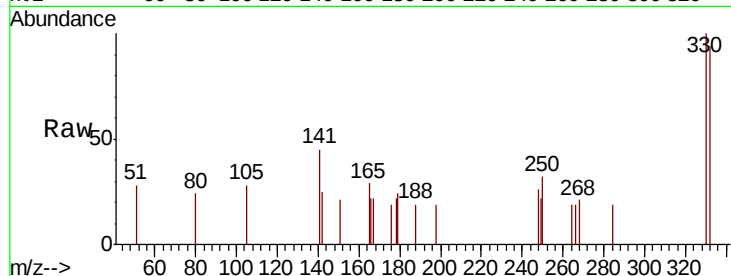
Tot Ion:330 Resp: 558

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

141 26.2 18.9 28.3



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

15.97

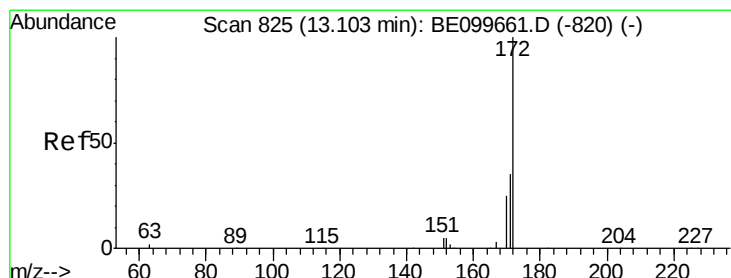
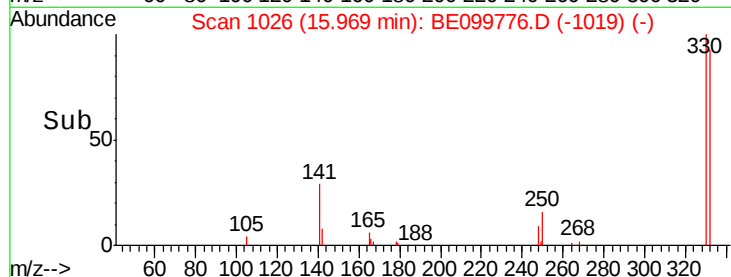
200

100

0

15.80 16.00 16.20

Time-->



#15

2-Fluorobiphenyl

Concen: 0.269 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

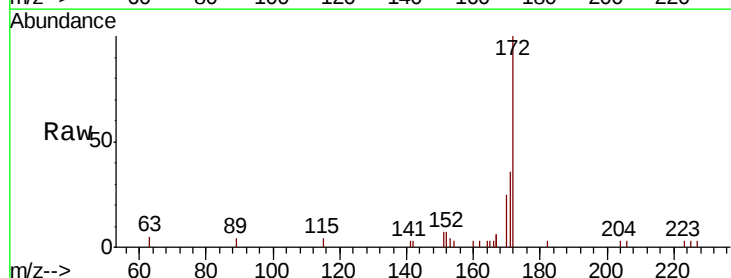
Tgt Ion:172 Resp: 3488

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

170 24.7 20.9 31.3



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

13.10

2000

1500

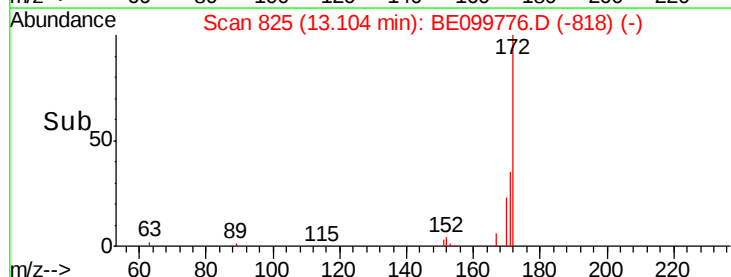
1000

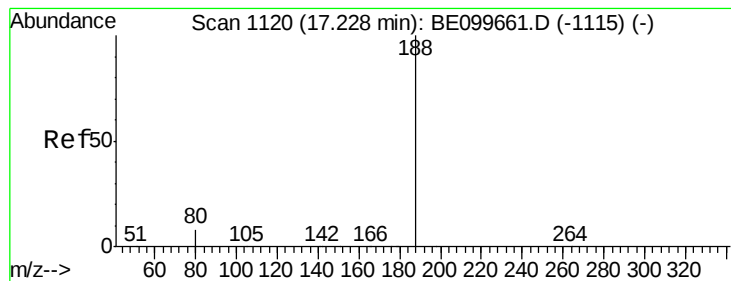
500

0

13.00 13.20 13.40

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

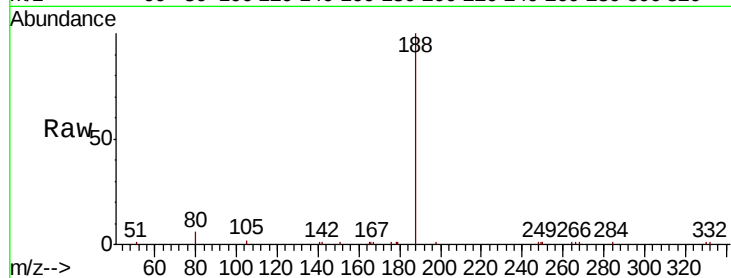
Tot Ion:188 Resp: 9962

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

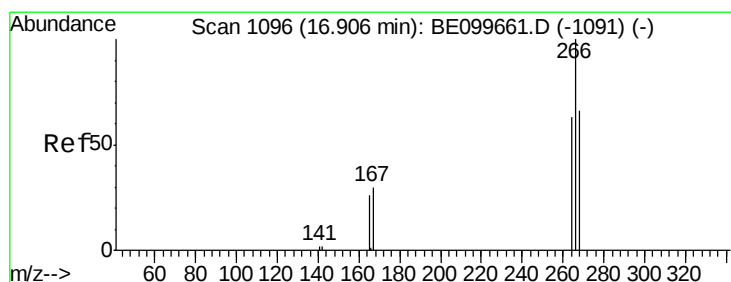
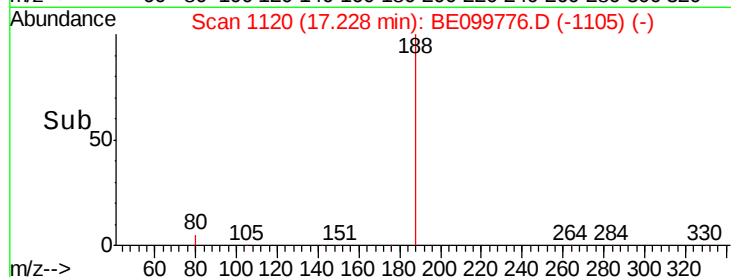
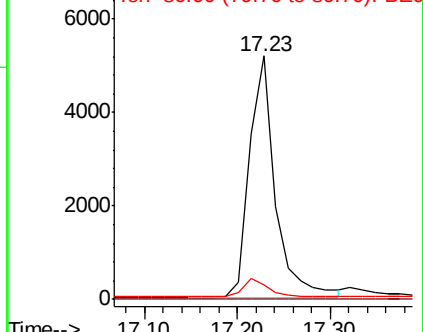
80 6.0 6.7 10.1#



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: 0.183 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

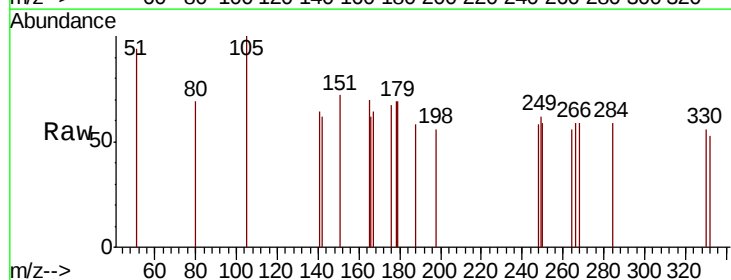
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 93.8 57.2 85.8#

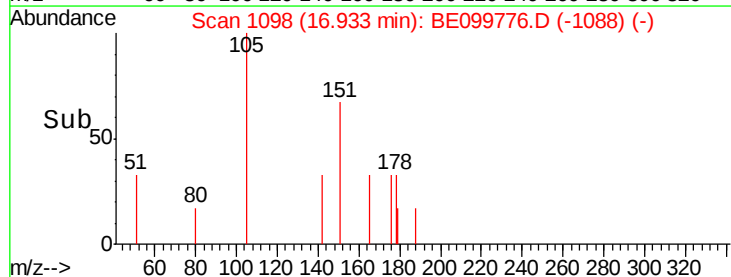
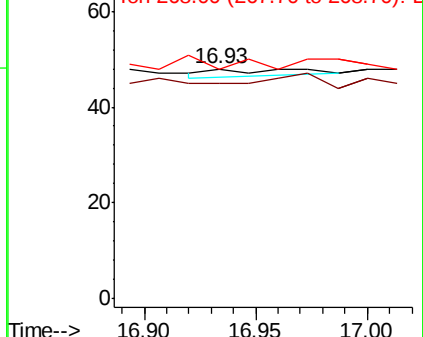
268 100.0 60.5 90.7#

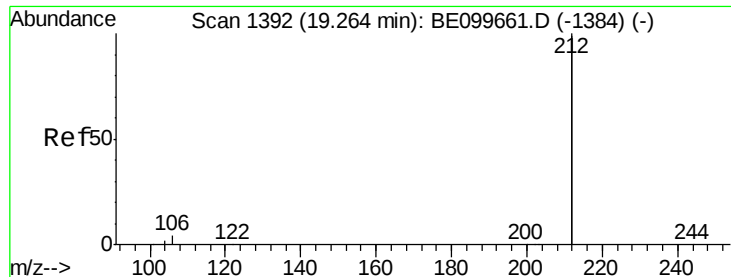


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.293 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

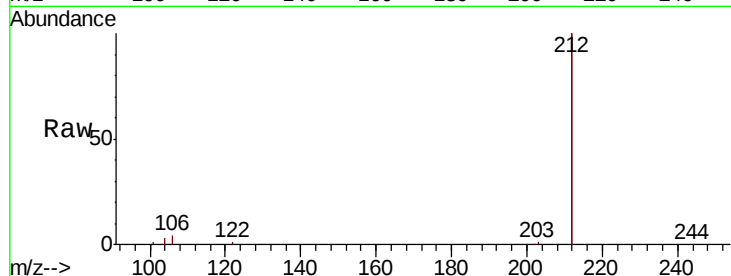
Tot Ion:212 Resp: 39869

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

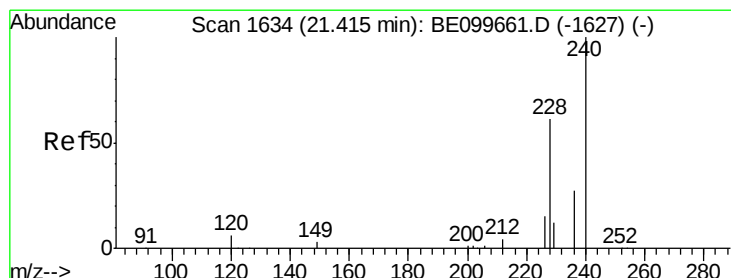
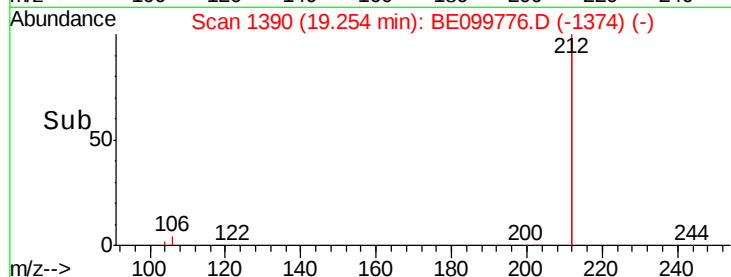
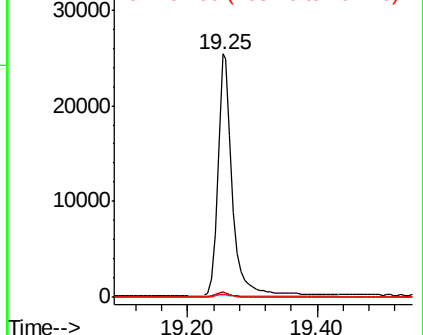
104 1.0 0.8 1.2



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. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

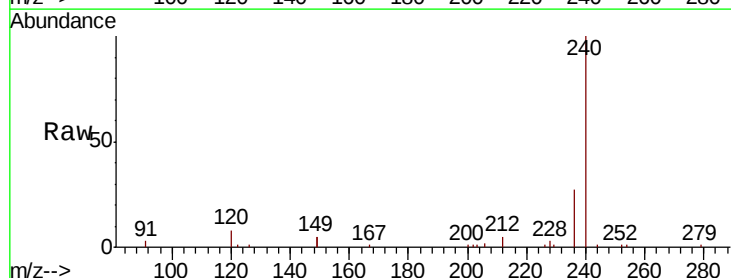
Tgt Ion:240 Resp: 14946

Ion Ratio Lower Upper

240 100

120 7.6 5.4 8.0

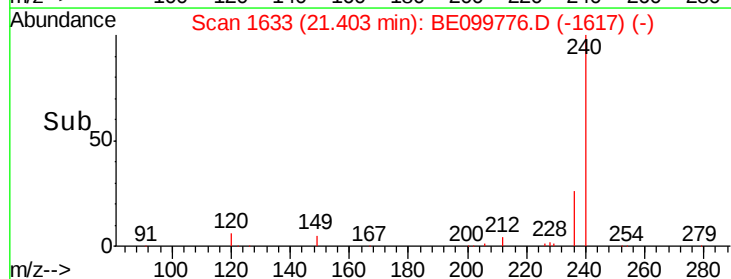
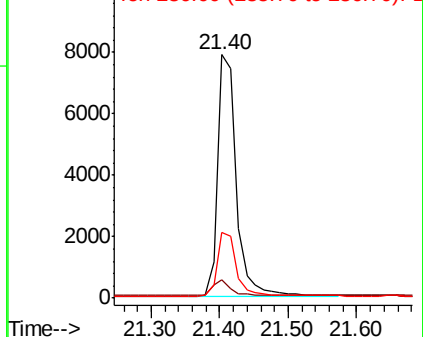
236 27.1 21.7 32.5

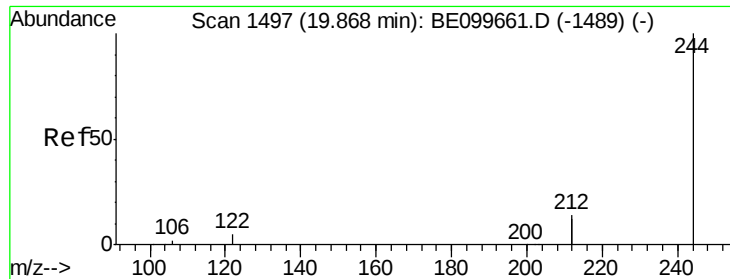


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.321 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

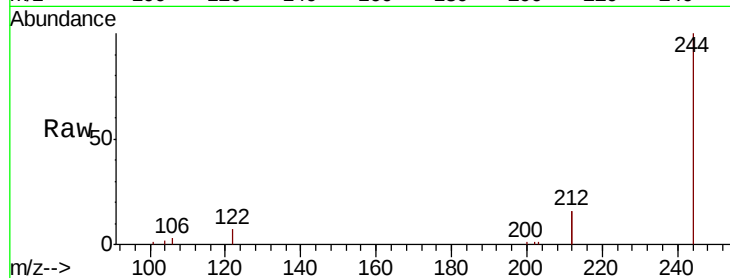
Tot Ion:244 Resp: 8554

Ion Ratio Lower Upper

244 100

212 31.5 22.5 33.7

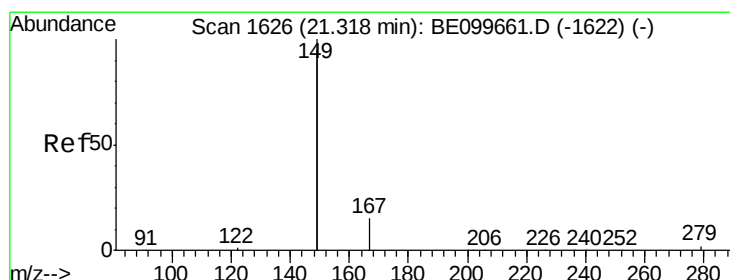
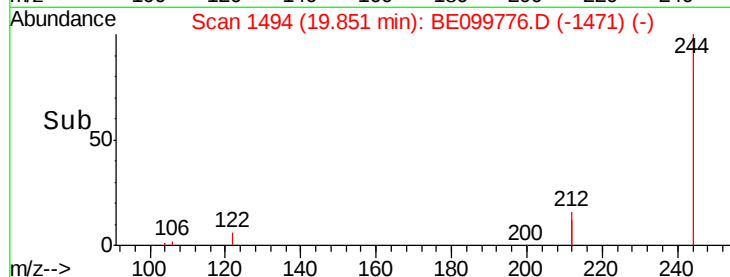
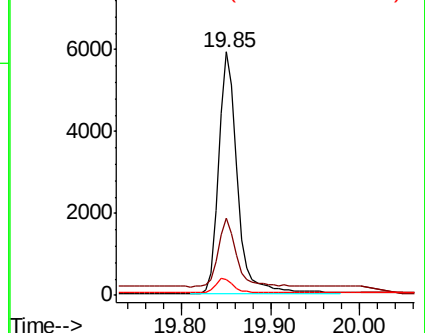
122 6.7 4.3 6.5#



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: 0.188 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

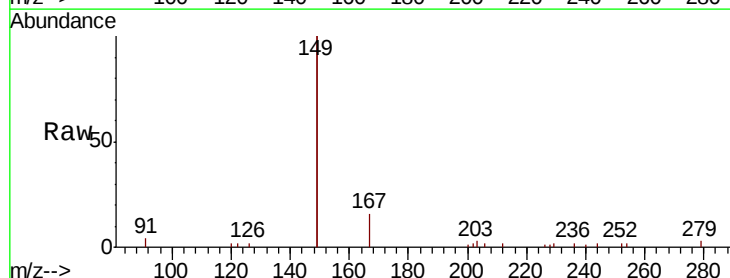
Tgt Ion:149 Resp: 9190

Ion Ratio Lower Upper

149 100

167 8.3 6.2 9.4

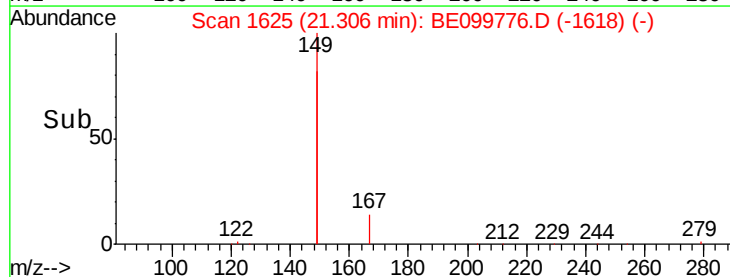
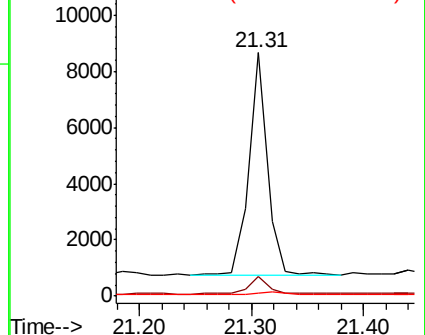
279 1.7 1.2 1.8

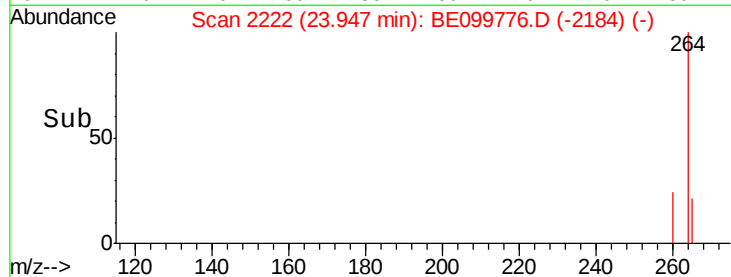
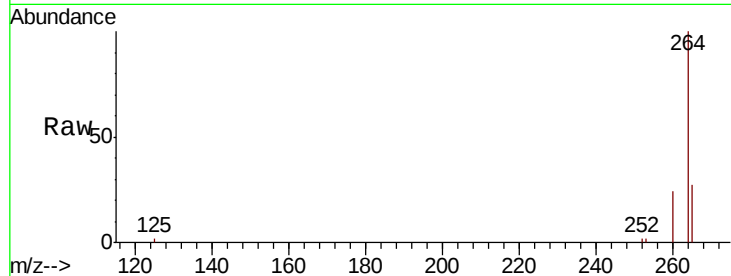
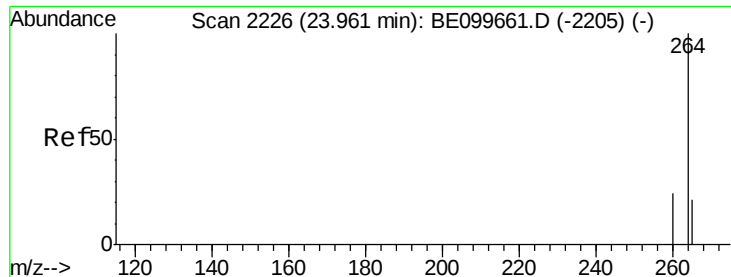


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.95 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BE099776.D

Acq: 29 May 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

FESB-27(3.5-4)

Tot Ion:264 Resp: 17508

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

265 26.6 19.1 28.7

