

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032619\  
 Data File : BE099242.D  
 Acq On : 27 Mar 2019 9:59  
 Operator : JU/SJ  
 Sample : K2064-11RE  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Mar 27 14:15:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

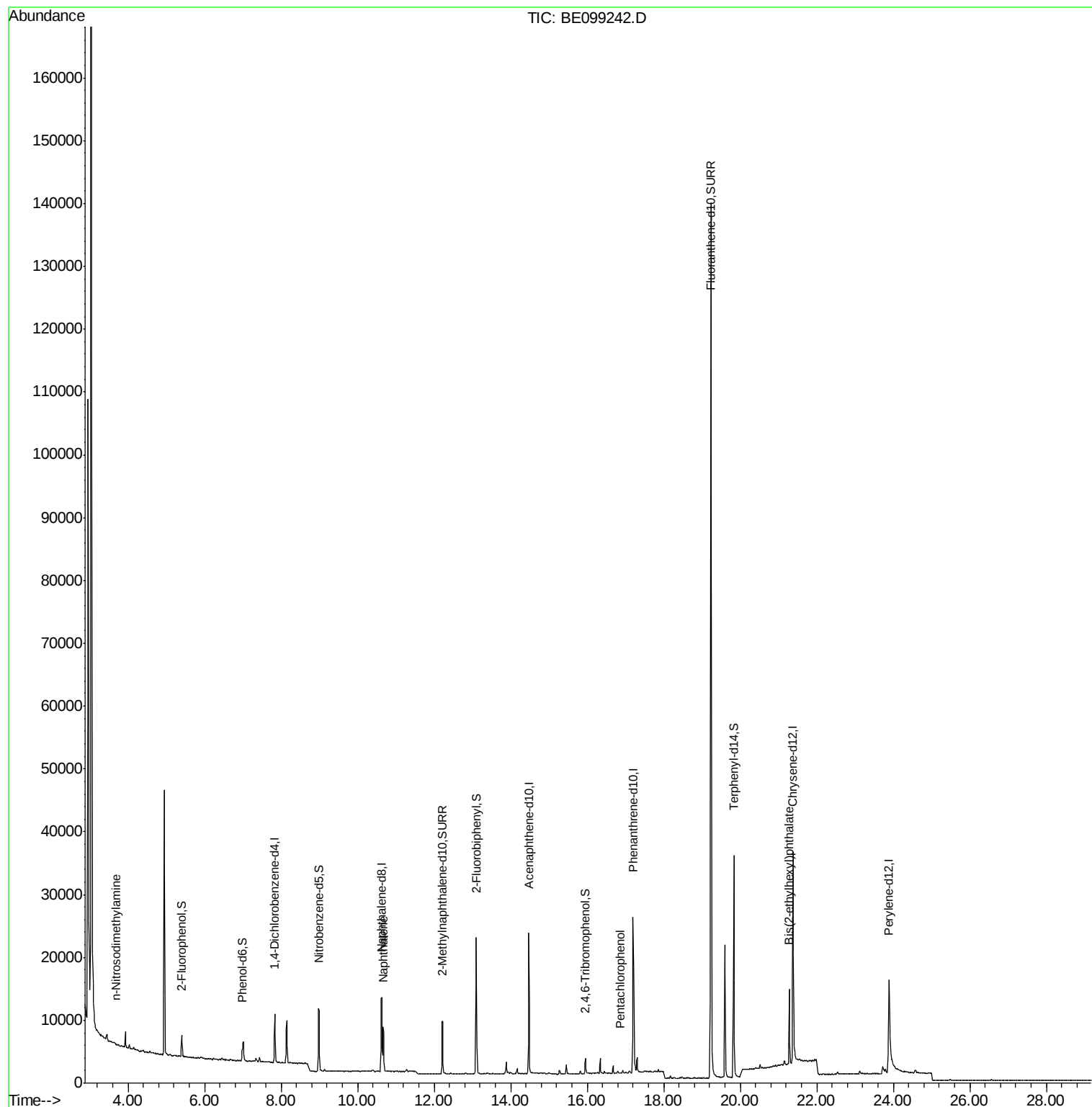
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.83  | 152  | 3733     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.63 | 136  | 16309    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 12995    | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.20 | 188  | 36917    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.38 | 240  | 40728    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.89 | 264  | 32687    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.40  | 112  | 1996     | 0.18  | ng    | -0.01    |
| 5) Phenol-d6                   | 6.99  | 99   | 1818     | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 5130     | 0.39  | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 13205    | 0.42  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 1839     | 0.48  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 20860    | 0.39  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.24 | 212  | 199521   | 0.45  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.83 | 244  | 32774    | 0.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 3) n-Nitrosodimethylamine      | 3.69  | 42   | 95       | 0.034 | ng    | # 11     |
| 9) Naphthalene                 | 10.67 | 128  | 12177    | 0.063 | ng    | # 97     |
| 22) Pentachlorophenol          | 16.85 | 266  | 31       | 0.248 | ng    | # 82     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 12995    | 0.081 | ng    | 100      |

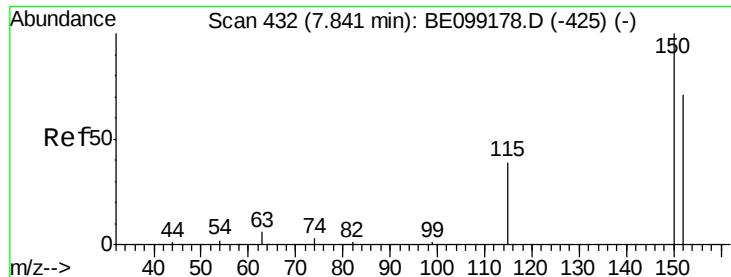
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032619\  
Data File : BE099242.D  
Acq On : 27 Mar 2019 9:59  
Operator : JU/SJ  
Sample : K2064-11RE  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Mar 27 14:15:31 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration



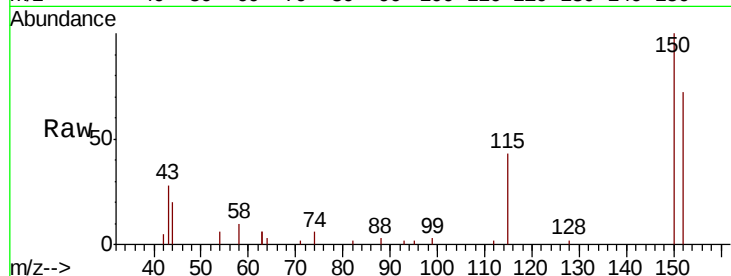


#1

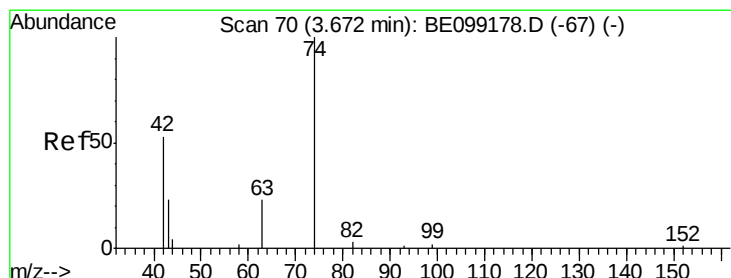
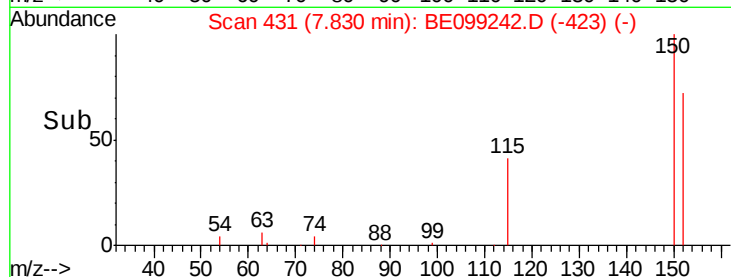
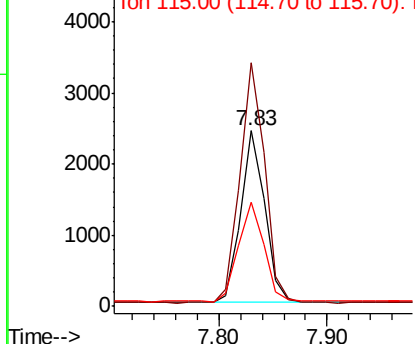
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 431  
Delta R.T. -0.01 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3733  
Ion Ratio Lower Upper  
152 100  
150 139.0 112.8 169.2  
115 59.1 45.1 67.7



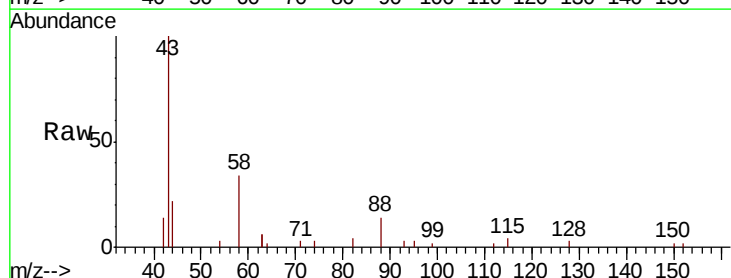
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



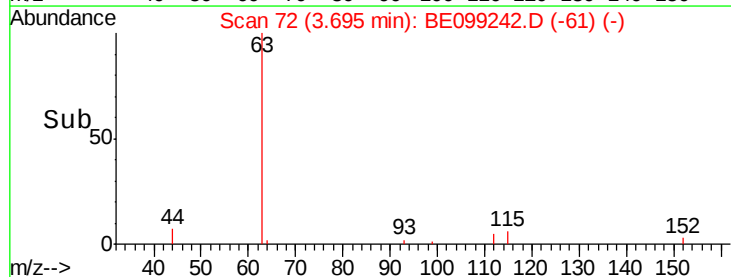
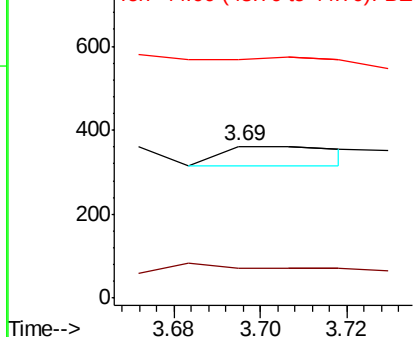
#3

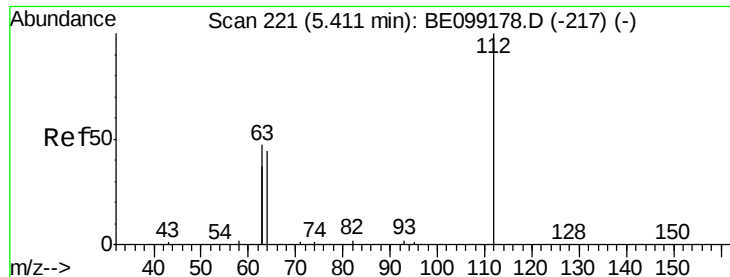
n-Nitrosodimethylamine  
Concen: 0.034 ng  
RT: 3.69 min Scan# 72  
Delta R.T. 0.02 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Tgt Ion: 42 Resp: 95  
Ion Ratio Lower Upper  
42 100  
74 42.1 138.6 207.8#  
44 0.0 15.0 22.6#



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: 0.179 ng

RT: 5.40 min Scan# 220

Delta R.T. -0.01 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

Instrument :

BNA\_E

ClientSampleId :

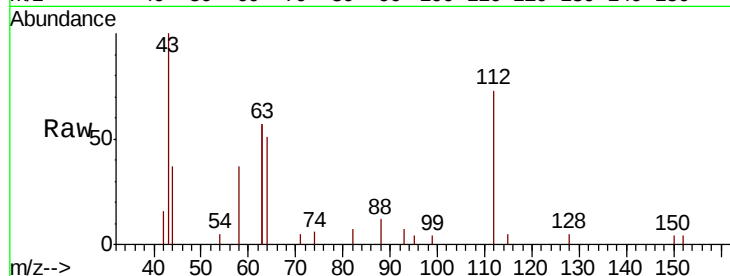
Tot Ion:112 Resp: 1996

Ion Ratio Lower Upper

112 100

64 57.6 46.2 69.2

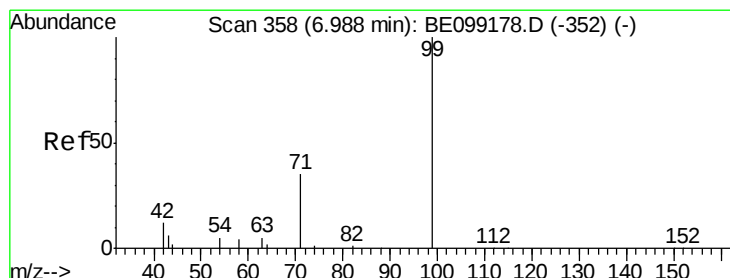
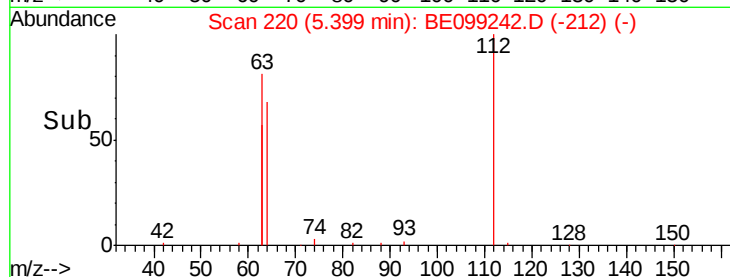
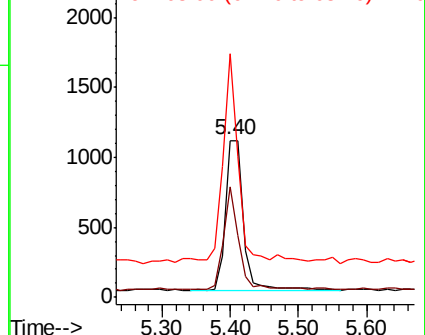
63 108.4 89.9 134.9



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



#5

Phenol-d6

Concen: 0.107 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

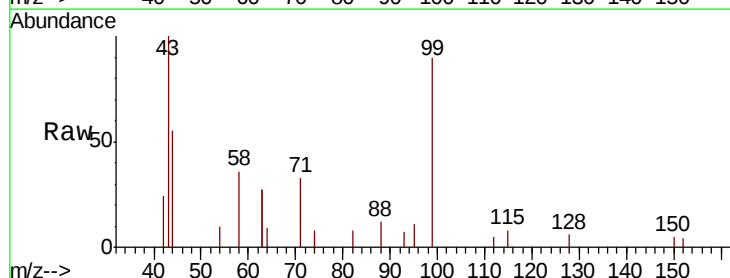
Tgt Ion: 99 Resp: 1818

Ion Ratio Lower Upper

99 100

42 27.2 12.4 18.6#

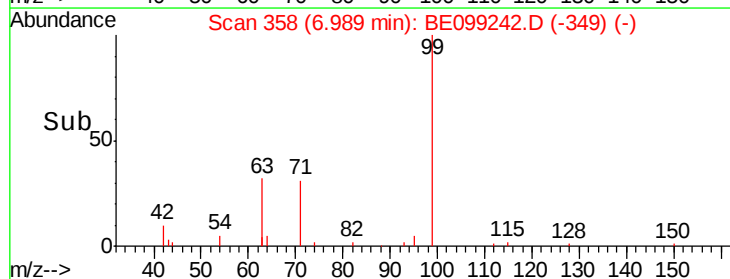
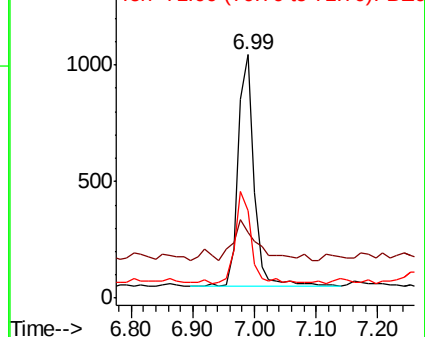
71 39.9 28.4 42.6

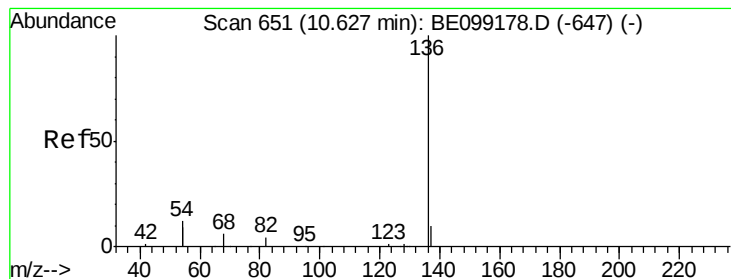


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

Instrument :

BNA\_E

ClientSampled :

Tot Ion:136 Resp: 16309

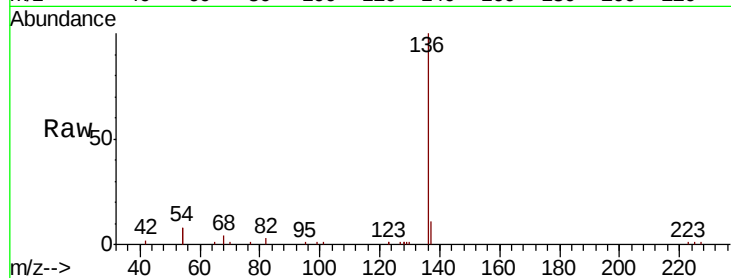
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 15.4 18.7 28.1#

68 4.4 5.2 7.8#

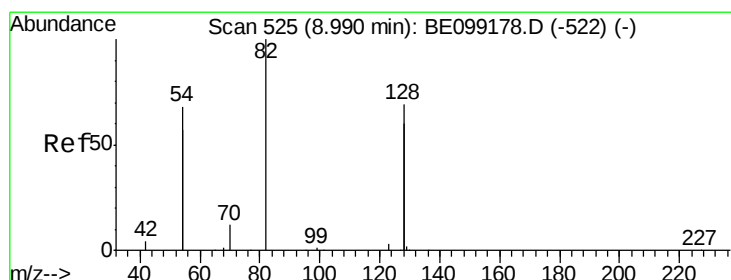
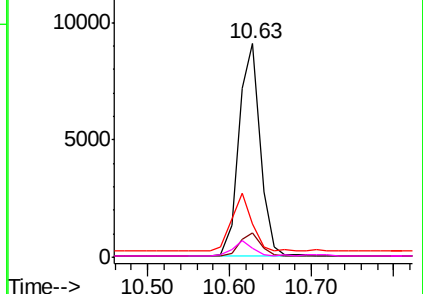
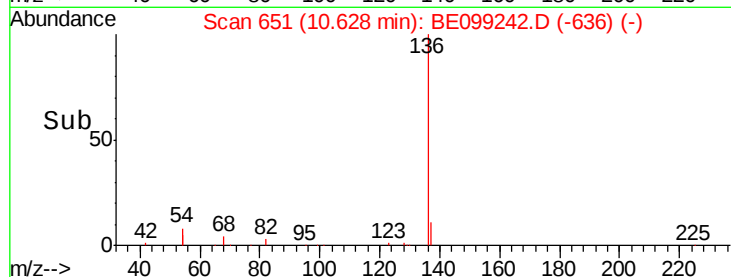


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.385 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.01 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

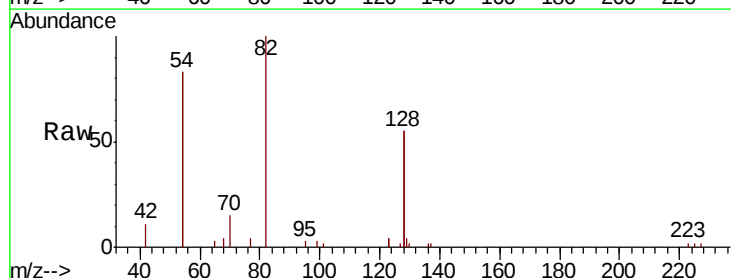
Tgt Ion: 82 Resp: 5130

Ion Ratio Lower Upper

82 100

128 109.7 107.5 161.3

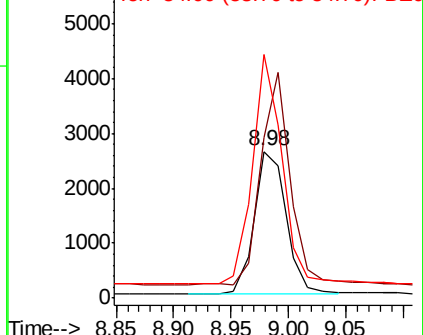
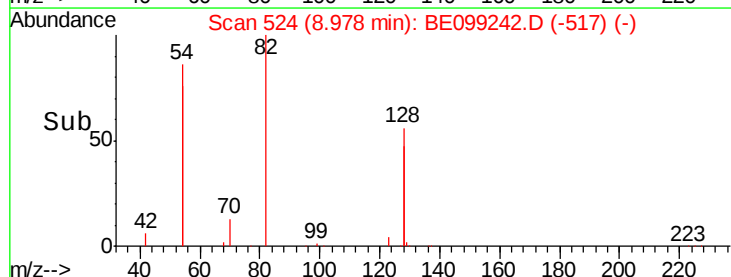
54 166.3 106.3 159.5#

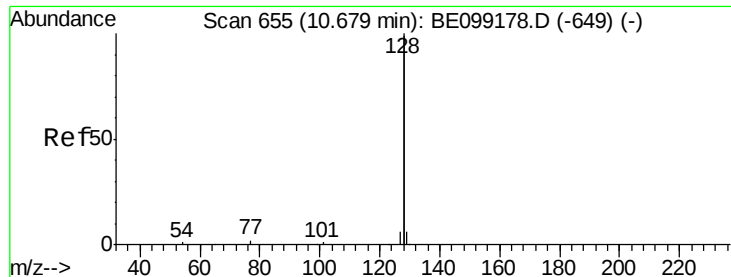


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.063 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

Instrument :

BNA\_E

ClientSampleId :

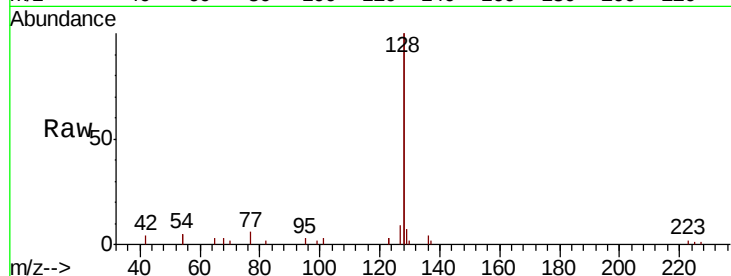
Tot Ion:128 Resp: 12177

Ion Ratio Lower Upper

128 100

129 3.5 2.3 3.5#

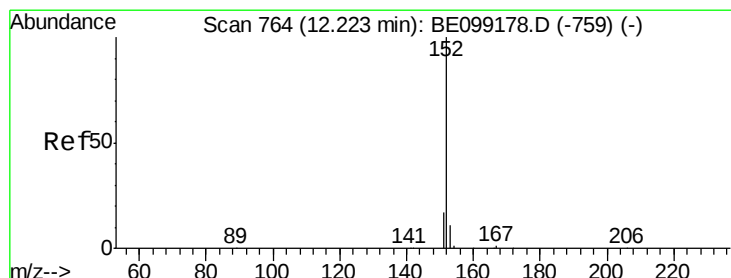
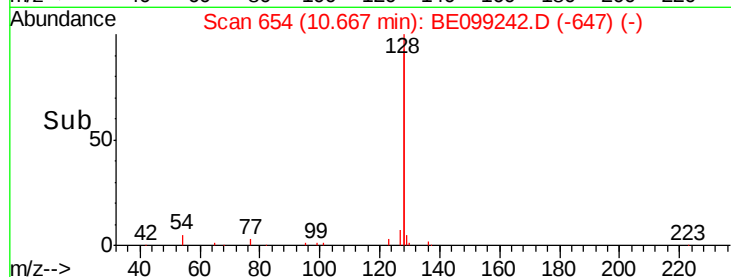
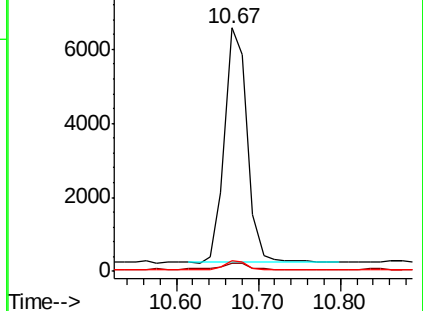
127 4.3 2.6 3.8#



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: 0.420 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099242.D

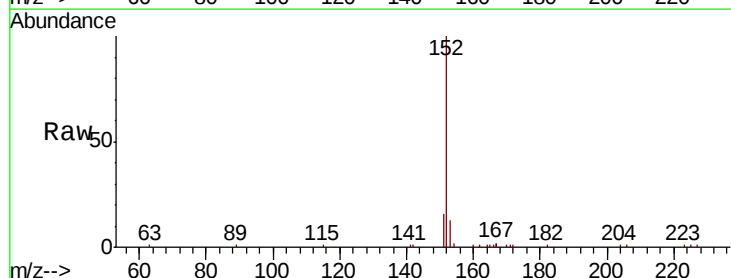
Acq: 27 Mar 2019 9:59

Tgt Ion:152 Resp: 13205

Ion Ratio Lower Upper

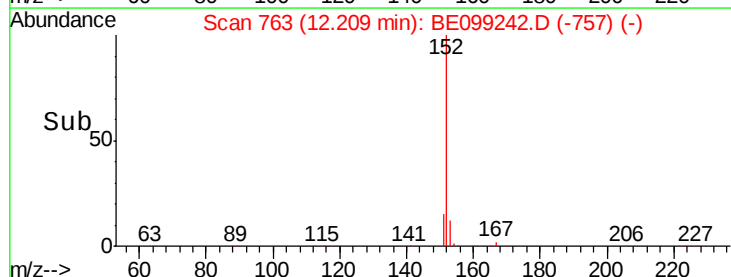
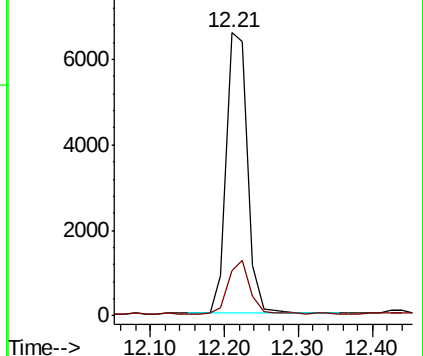
152 100

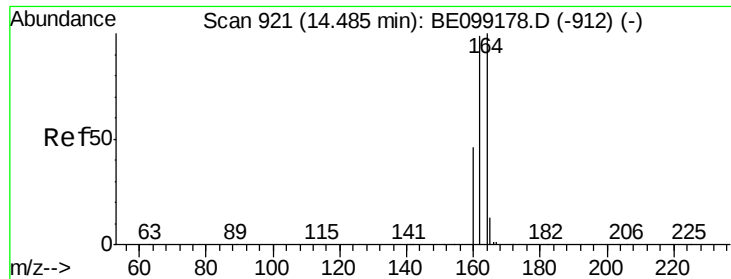
151 19.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

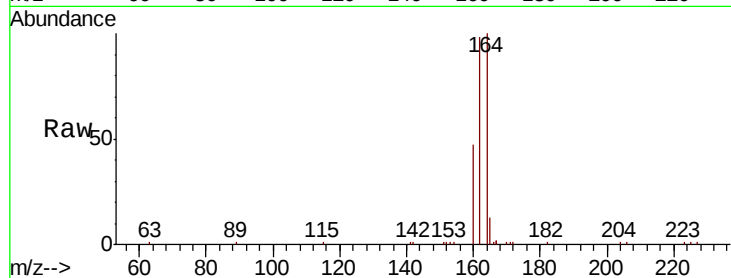




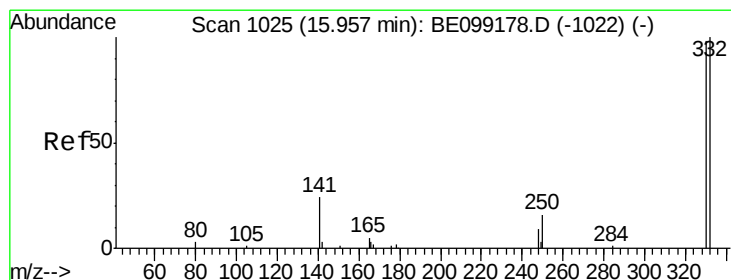
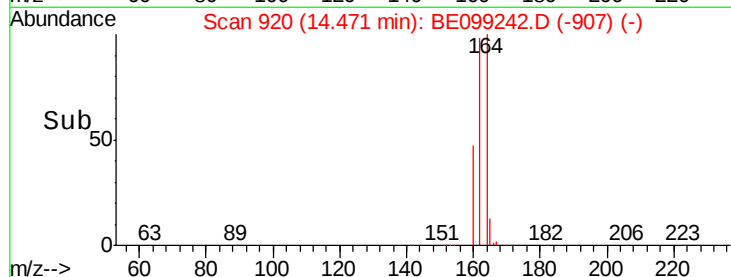
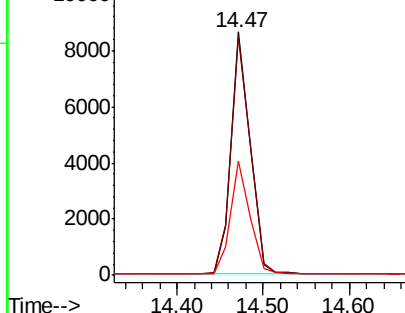
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:164 Resp: 12995  
Ion Ratio Lower Upper  
164 100  
162 97.7 79.2 118.8  
160 46.9 36.7 55.1

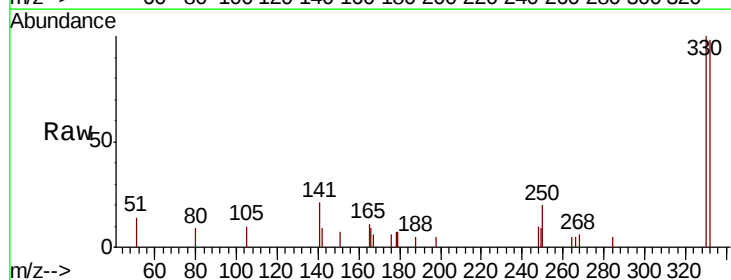


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

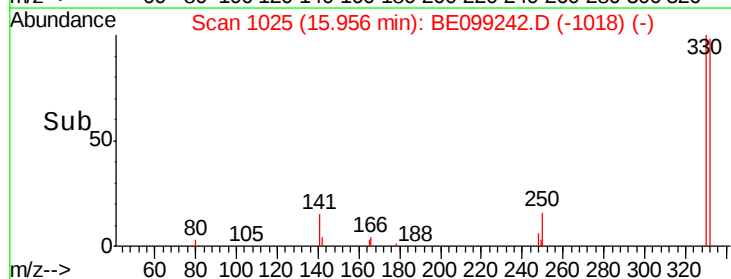
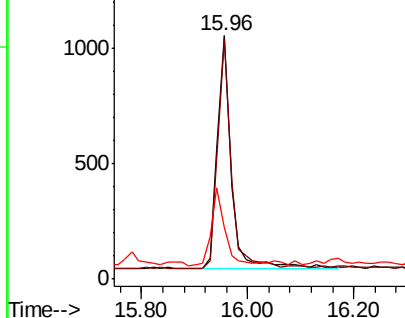


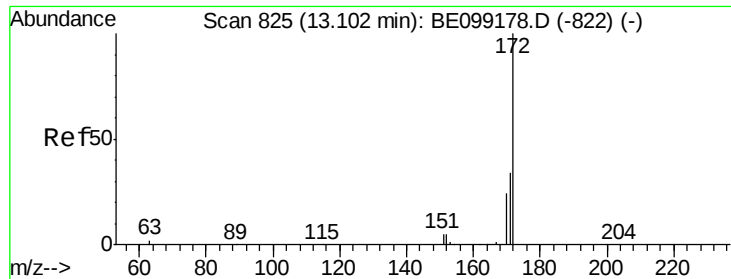
#14  
2,4,6-Tribromophenol  
Concen: 0.477 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.00 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Tgt Ion:330 Resp: 1839  
Ion Ratio Lower Upper  
330 100  
332 94.5 71.3 106.9  
141 31.3 21.7 32.5



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

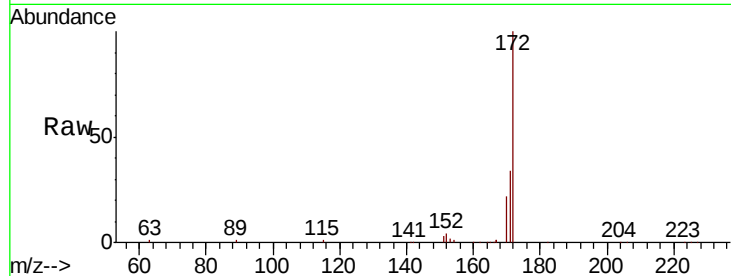




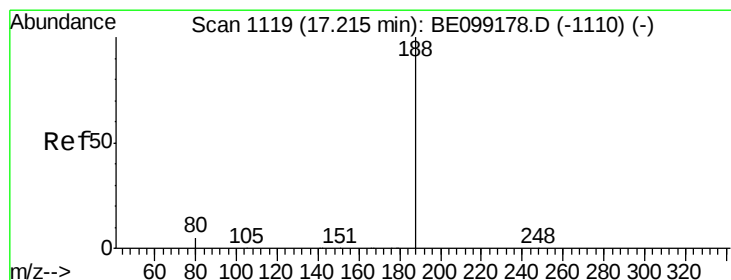
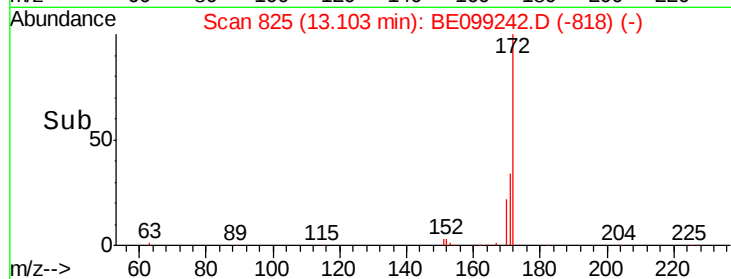
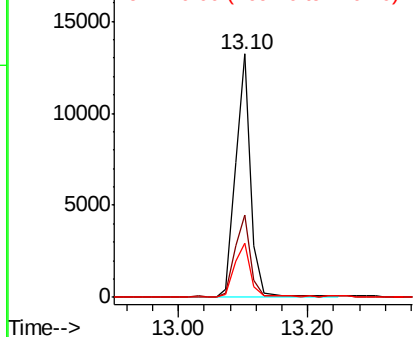
#15  
2-Fluorobiphenyl  
Concen: 0.394 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 20860  
Ion Ratio Lower Upper  
172 100  
171 33.8 27.4 41.0  
170 22.5 19.1 28.7

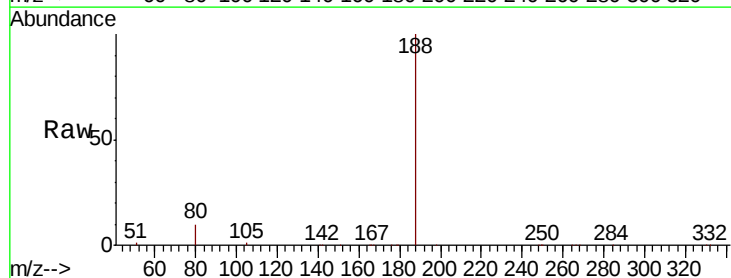


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

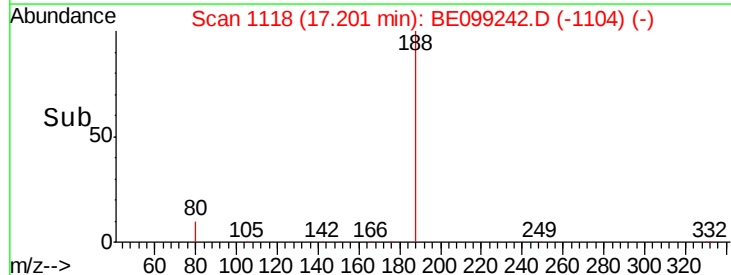
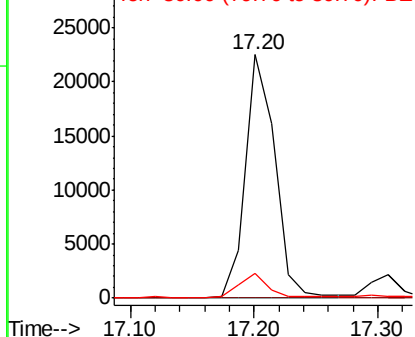


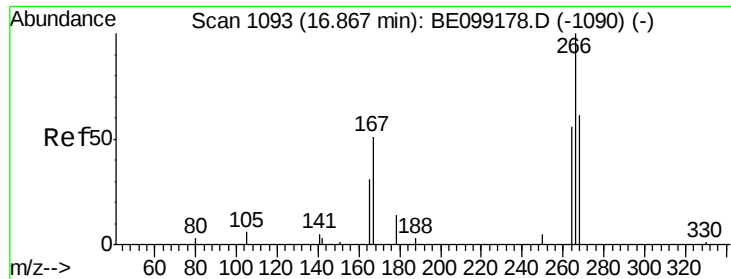
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. -0.01 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Tgt Ion:188 Resp: 36917  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.0 4.5 6.7#



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

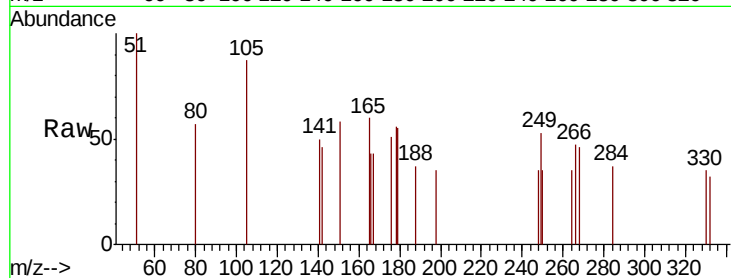




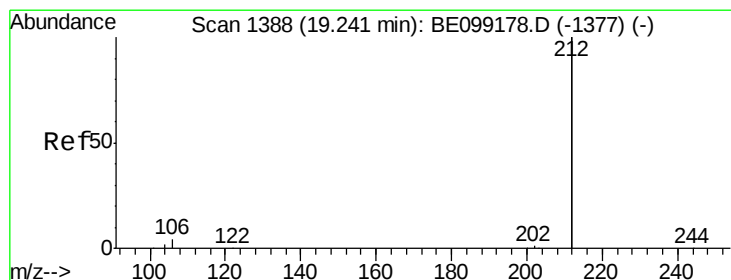
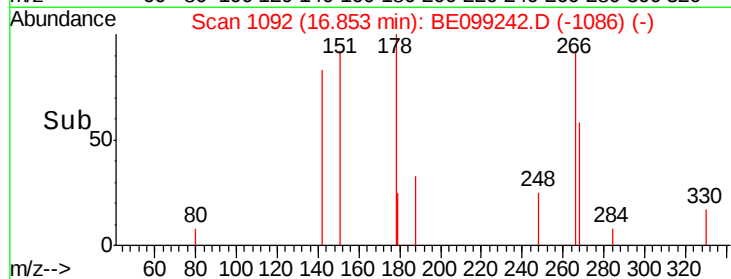
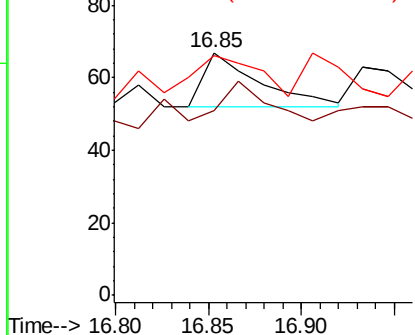
#22  
 Pentachlorophenol  
 Concen: 0.248 ng  
 RT: 16.85 min Scan# 1092  
 Delta R.T. -0.01 min  
 Lab File: BE099242.D  
 Acq: 27 Mar 2019 9:59

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:266 Resp: 31  
 Ion Ratio Lower Upper  
 266 100  
 264 76.1 54.4 81.6  
 268 98.5 61.3 91.9#

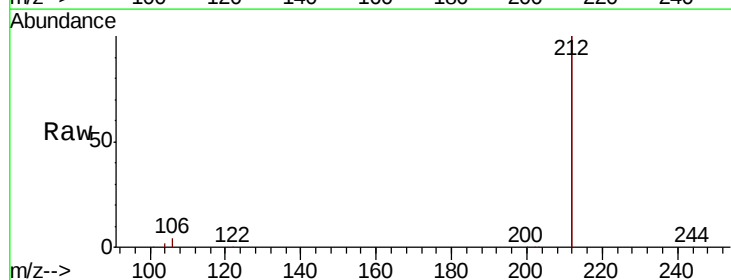


Abundance Ion 266.00 (265.70 to 266.70): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

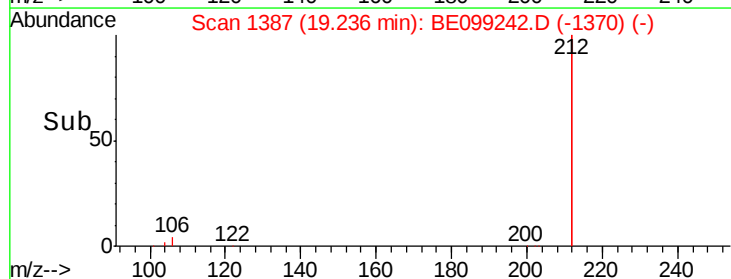
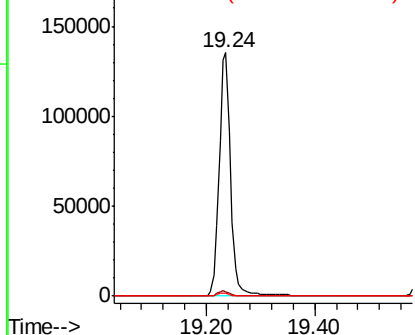


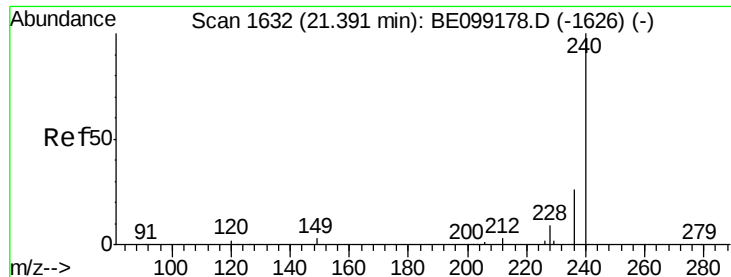
#25  
 Fluoranthene-d10  
 Concen: 0.446 ng  
 RT: 19.24 min Scan# 1387  
 Delta R.T. -0.01 min  
 Lab File: BE099242.D  
 Acq: 27 Mar 2019 9:59

Tgt Ion:212 Resp: 199521  
 Ion Ratio Lower Upper  
 212 100  
 106 2.2 1.8 2.8  
 104 1.4 1.1 1.7



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

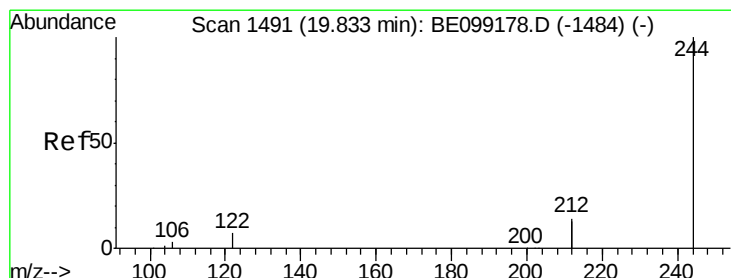
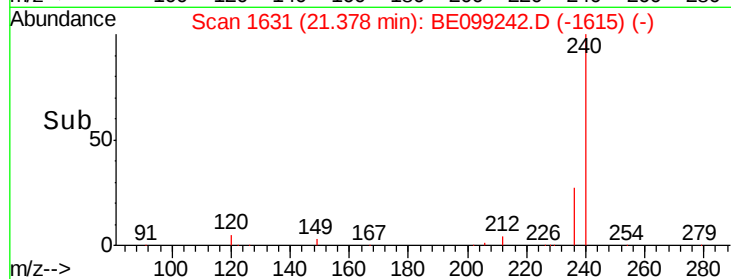
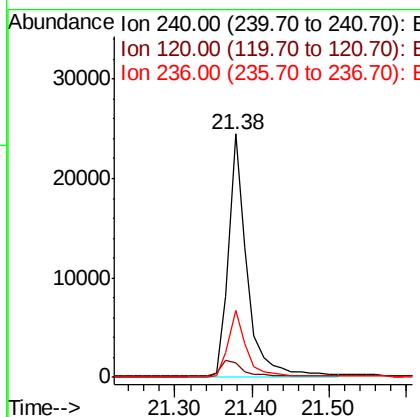
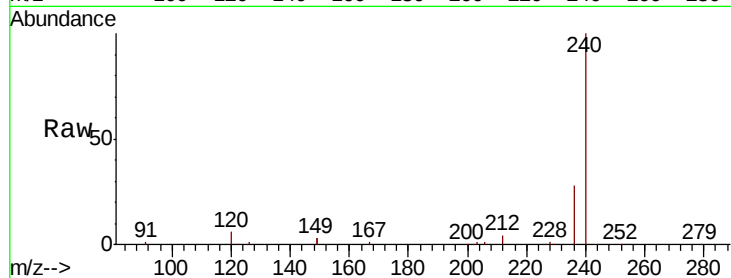




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.38 min Scan# 1631  
Delta R.T. -0.01 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

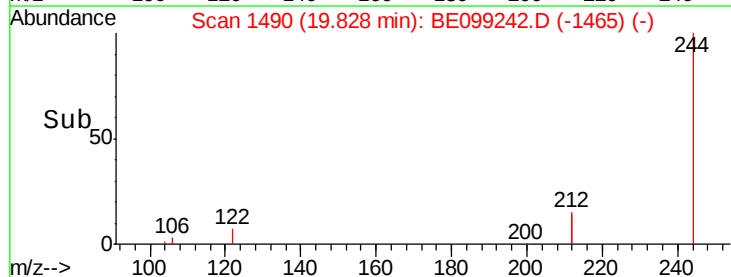
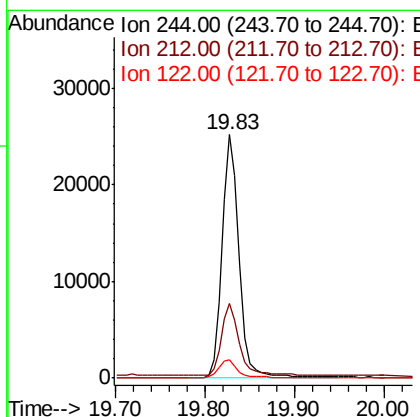
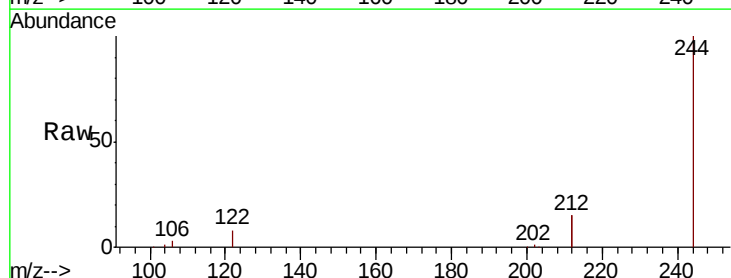
Instrument :  
BNA\_E  
ClientSampleId :

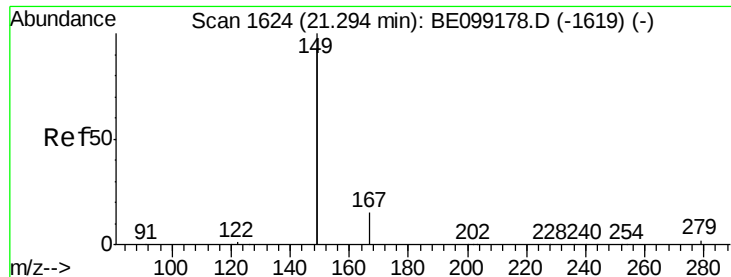
Tot Ion:240 Resp: 40728  
Ion Ratio Lower Upper  
240 100  
120 5.9 2.6 3.8#  
236 27.6 20.9 31.3



#29  
Terphenyl-d14  
Concen: 0.370 ng  
RT: 19.83 min Scan# 1490  
Delta R.T. -0.01 min  
Lab File: BE099242.D  
Acq: 27 Mar 2019 9:59

Tgt Ion:244 Resp: 32774  
Ion Ratio Lower Upper  
244 100  
212 30.7 22.7 34.1  
122 7.6 5.8 8.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.081 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

Instrument :

BNA\_E

ClientSampleId :

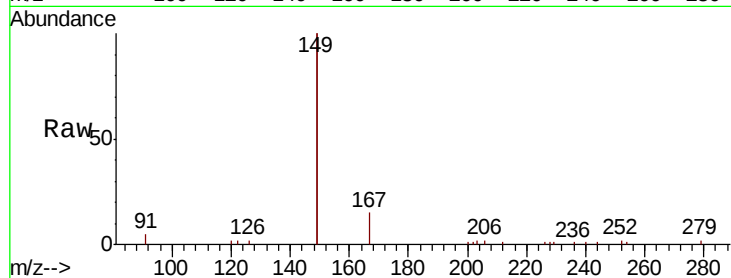
Tot Ion:149 Resp: 12995

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

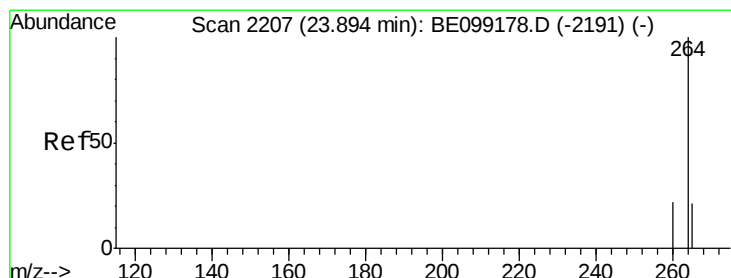
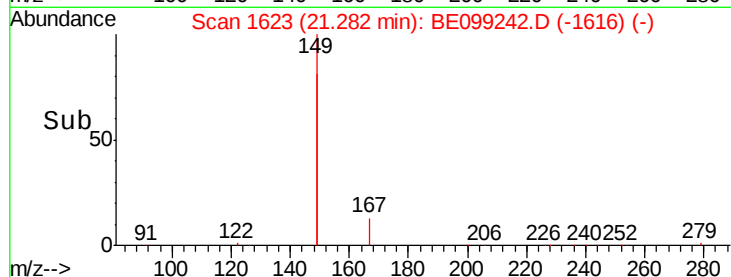
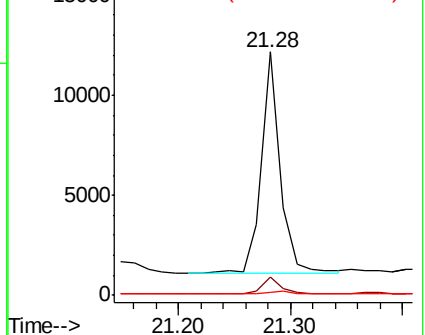
279 1.3 1.0 1.6



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: 23.89 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE099242.D

Acq: 27 Mar 2019 9:59

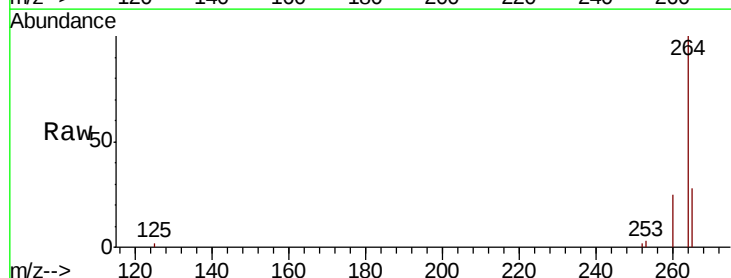
Tgt Ion:264 Resp: 32687

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 28.4 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

