

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032619\  
 Data File : BE099241.D  
 Acq On : 27 Mar 2019 9:20  
 Operator : JU/SJ  
 Sample : K2064-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P015-TW001-01

Quant Time: Mar 27 14:15:21 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

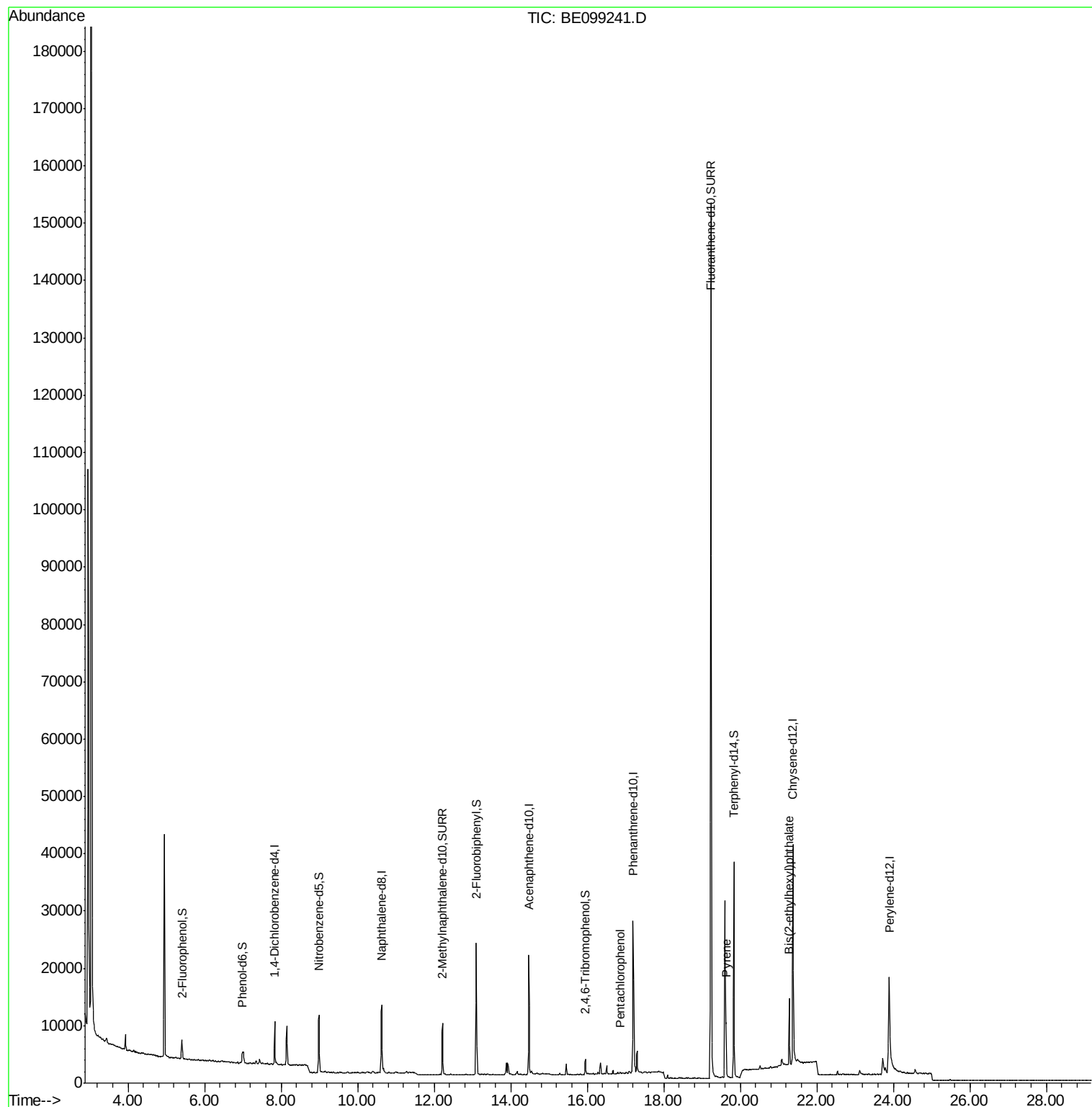
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.83  | 152  | 3512     | 0.40  | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.63 | 136  | 15943    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 12558    | 0.40  | ng    | -0.02    |
| 19) Phenanthrene-d10           | 17.20 | 188  | 37897    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.38 | 240  | 42862    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.89 | 264  | 35151    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.41  | 112  | 1981     | 0.19  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.99  | 99   | 1777     | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 5077     | 0.39  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 13122    | 0.43  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 1926     | 0.50  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 20930    | 0.41  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.23 | 212  | 209143   | 0.46  | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.83 | 244  | 34745    | 0.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.85 | 266  | 192      | 0.295 | ng    | 98       |
| 28) Pyrene                     | 19.63 | 202  | 8417     | 0.059 | ng    | 99       |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 12556    | 0.074 | ng    | 100      |

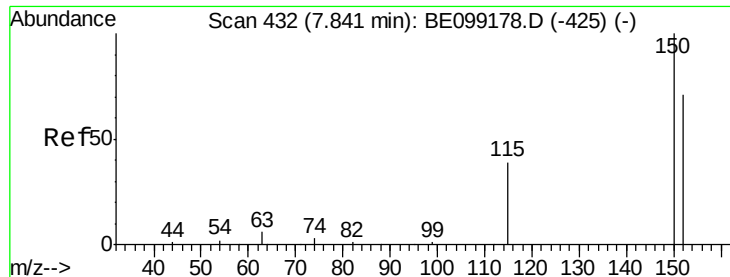
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

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P015-TW001-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

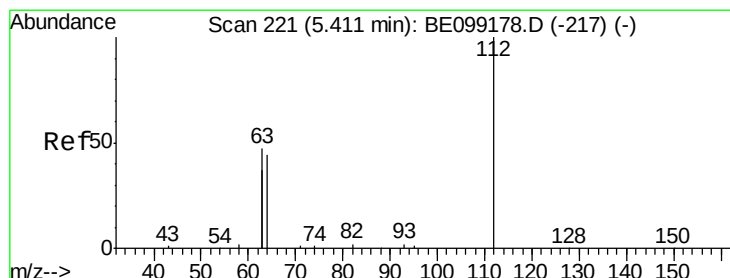
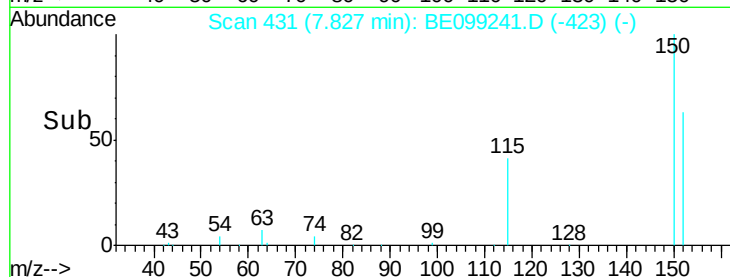
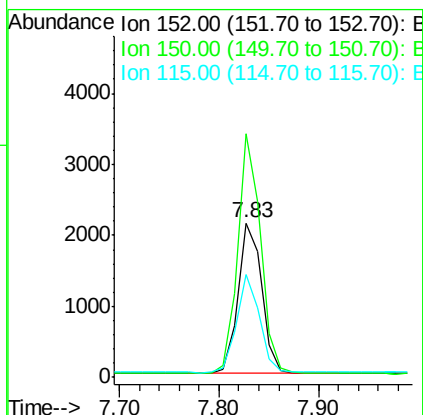
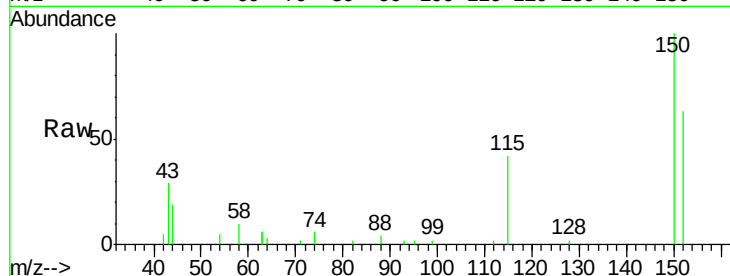




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.83 min Scan# 431  
 Delta R.T. -0.01 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

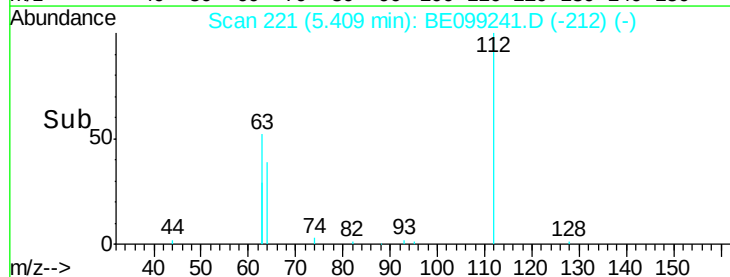
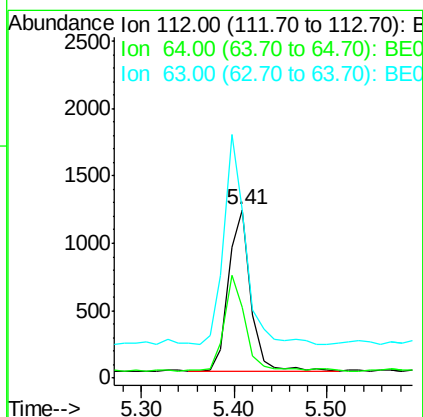
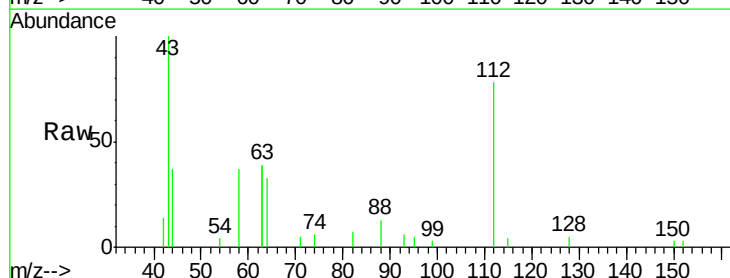
Instrument :  
 BNA\_E  
 ClientSampleId :  
 P015-TW001-01

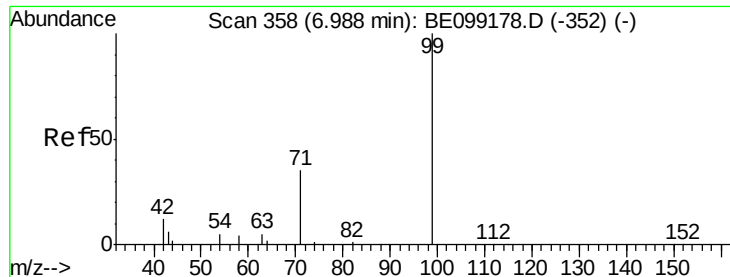
Tgt Ion:152 Resp: 3512  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 112.8 169.2  
 115 66.6 45.1 67.7



#4  
 2-Fluorophenol  
 Concen: 0.189 ng  
 RT: 5.41 min Scan# 221  
 Delta R.T. -0.00 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

Tgt Ion:112 Resp: 1981  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 46.2 69.2  
 63 126.1 89.9 134.9





#5

Phenol-d6

Concen: 0.111 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

Instrument :

BNA\_E

ClientSampleId :

P015-TW001-01

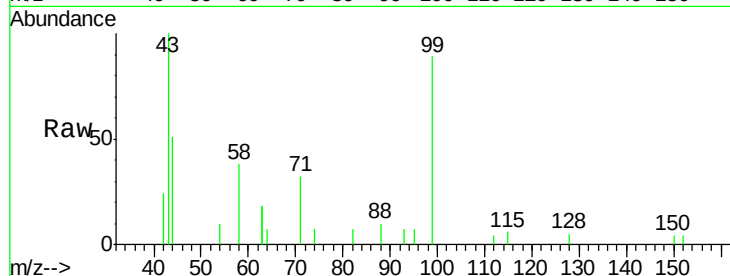
Tgt Ion: 99 Resp: 1777

Ion Ratio Lower Upper

99 100

42 22.2 12.4 18.6#

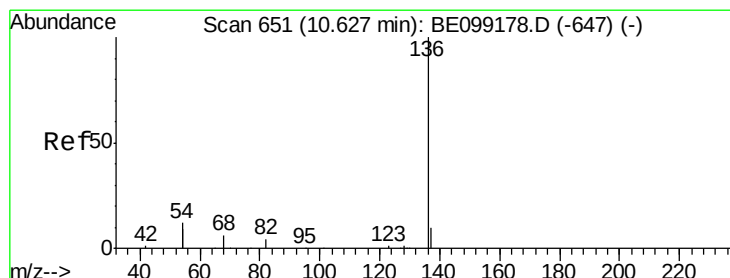
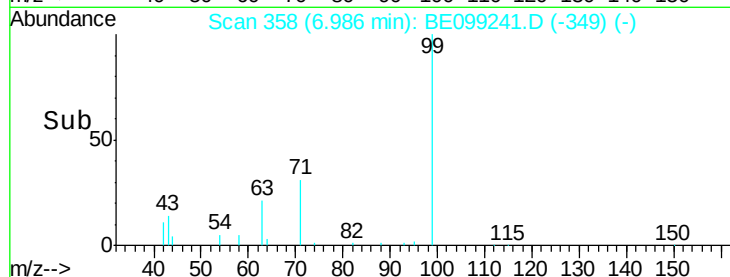
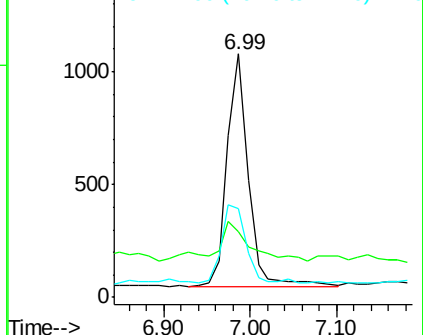
71 37.8 28.4 42.6



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: BE099241.D

Acq: 27 Mar 2019 9:20

Tgt Ion: 136 Resp: 15943

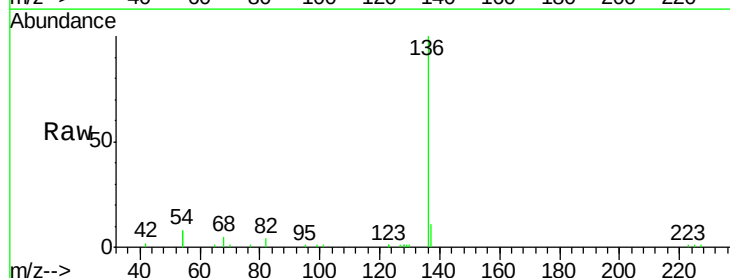
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 16.9 18.7 28.1#

68 5.1 5.2 7.8#

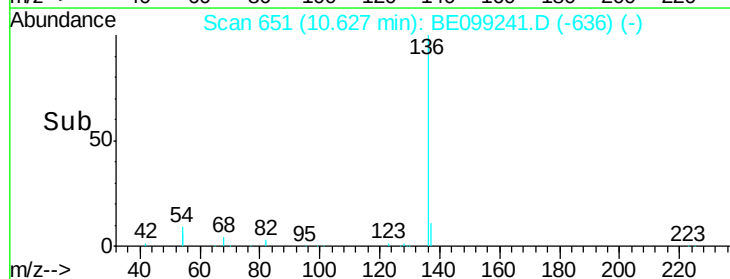
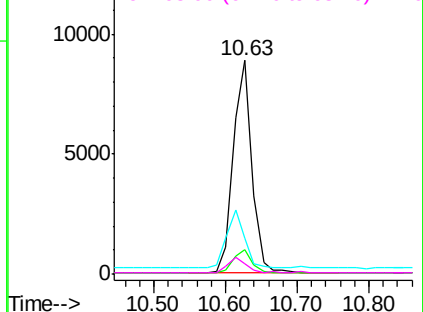


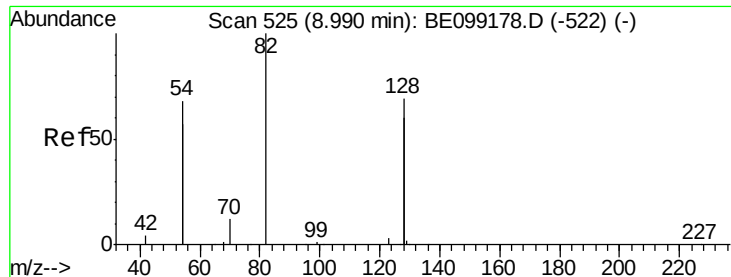
Abundance Ion 136.00 (135.70 to 136.70): E

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

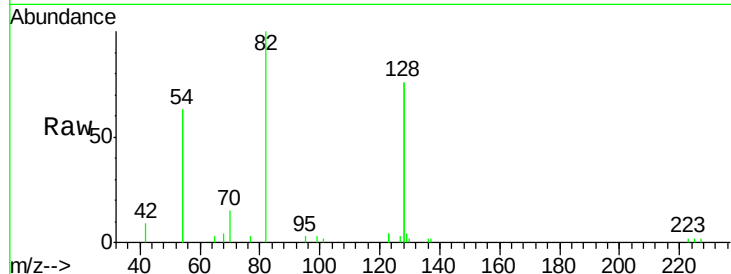




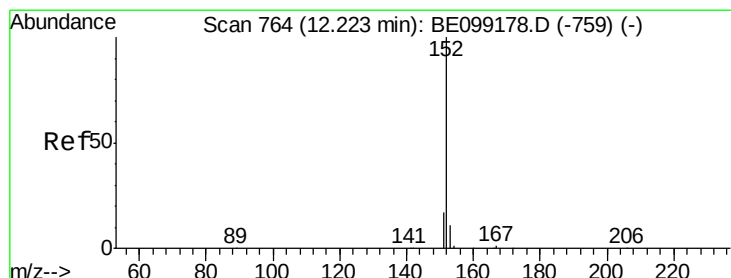
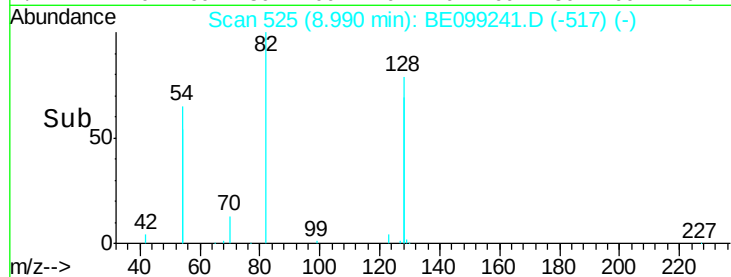
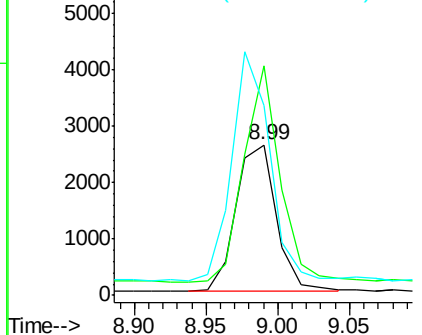
#8  
 Nitrobenzene-d5  
 Concen: 0.390 ng  
 RT: 8.99 min Scan# 525  
 Delta R.T. -0.00 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P015-TW001-01

Tgt Ion: 82 Resp: 5077  
 Ion Ratio Lower Upper  
 82 100  
 128 152.9 107.5 161.3  
 54 126.6 106.3 159.5

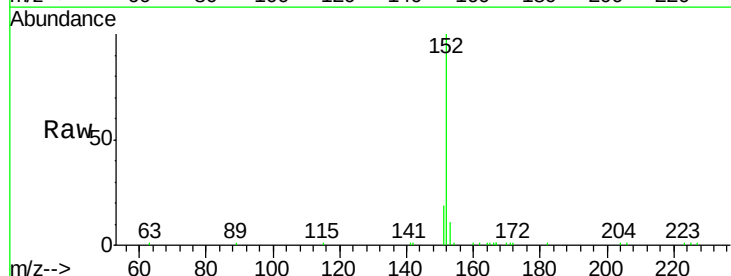


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BE0

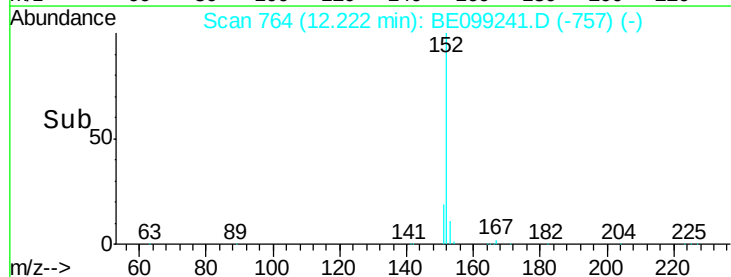
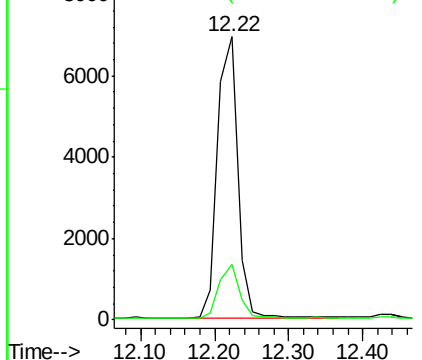


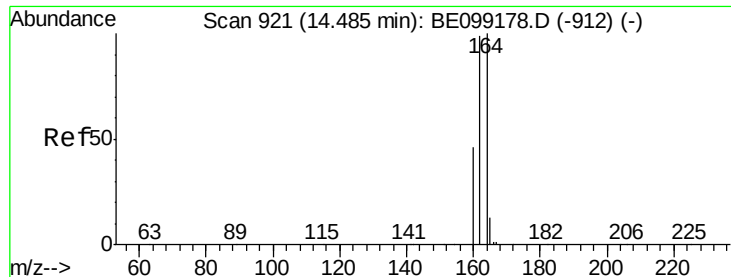
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.427 ng  
 RT: 12.22 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

Tgt Ion: 152 Resp: 13122  
 Ion Ratio Lower Upper  
 152 100  
 151 18.9 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. -0.02 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

Instrument :

BNA\_E

ClientSampleId :

P015-TW001-01

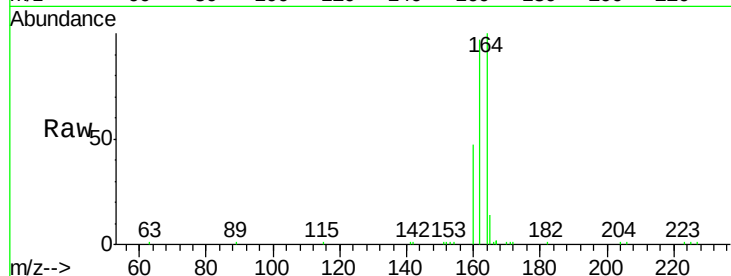
Tgt Ion:164 Resp: 12558

Ion Ratio Lower Upper

164 100

162 97.3 79.2 118.8

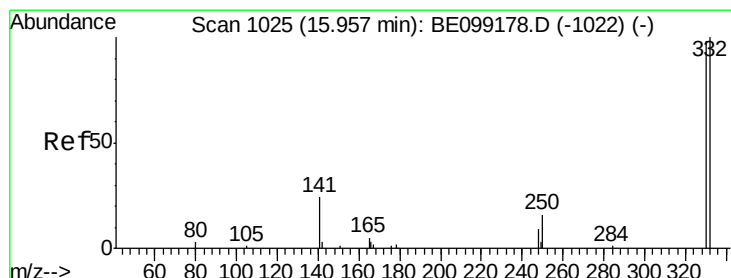
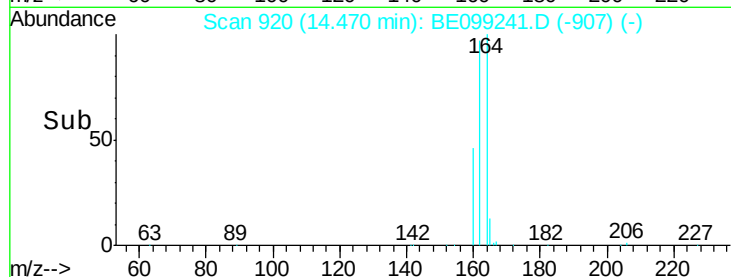
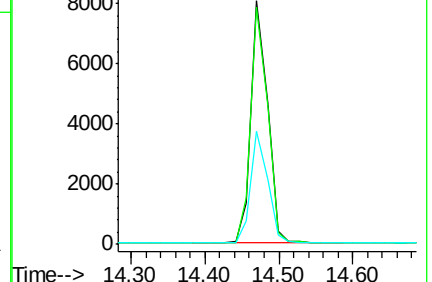
160 46.6 36.7 55.1



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: 0.498 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

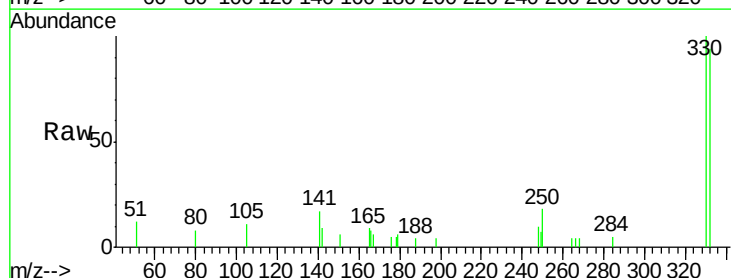
Tgt Ion:330 Resp: 1926

Ion Ratio Lower Upper

330 100

332 94.4 71.3 106.9

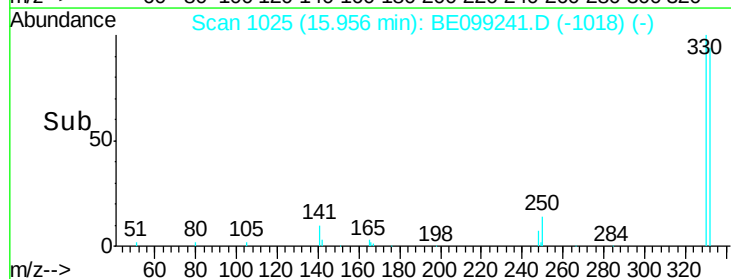
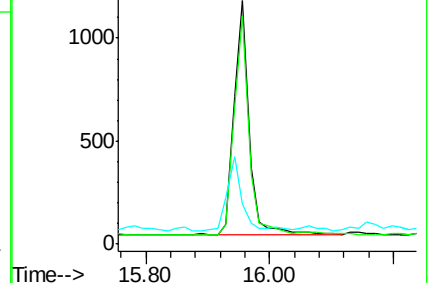
141 30.0 21.7 32.5

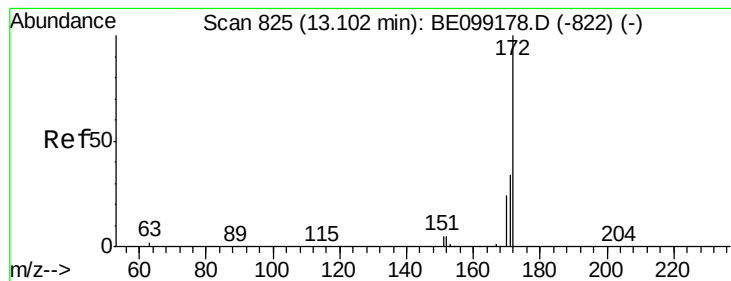


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

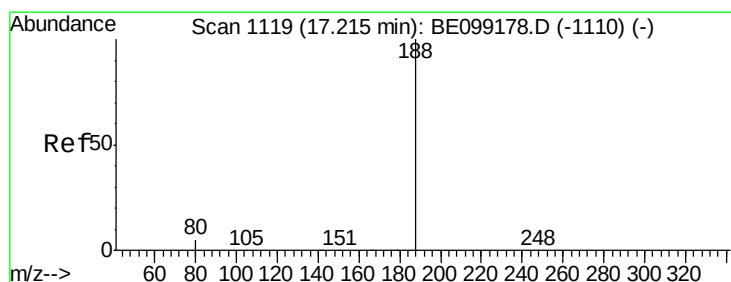
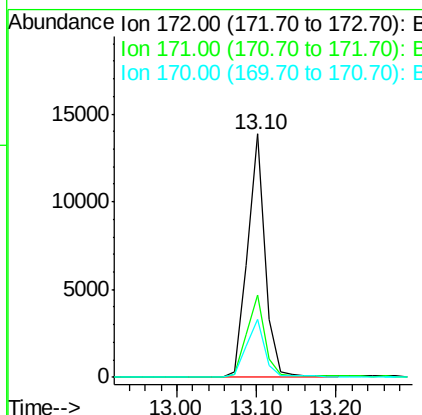
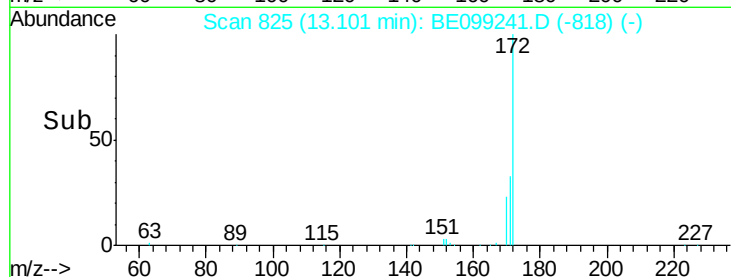
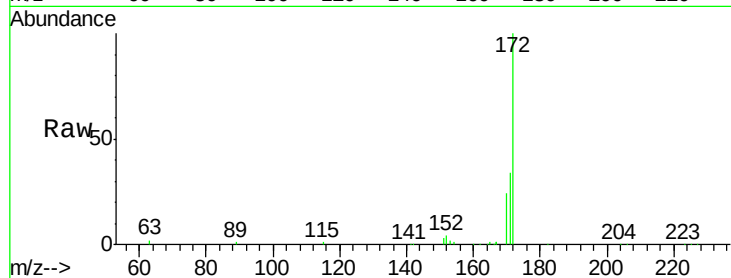




#15  
2-Fluorobiphenyl  
Concen: 0.409 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099241.D  
Acq: 27 Mar 2019 9:20

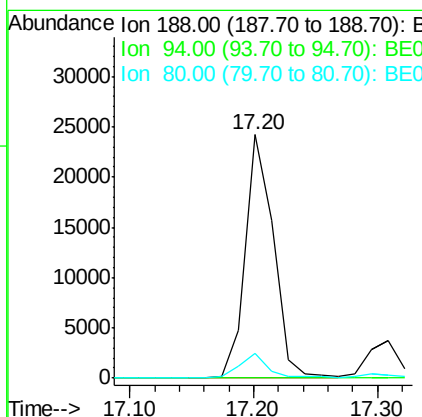
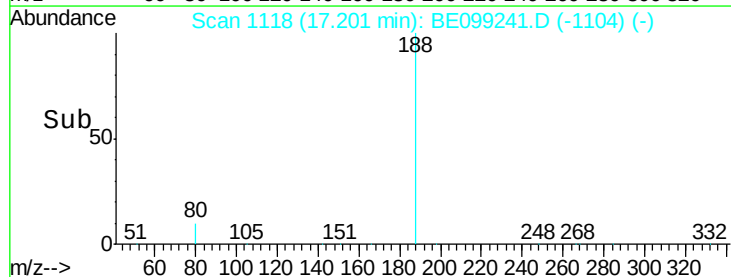
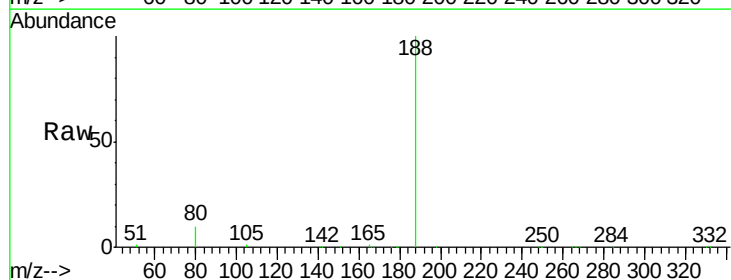
Instrument :  
BNA\_E  
ClientSampleId :  
P015-TW001-01

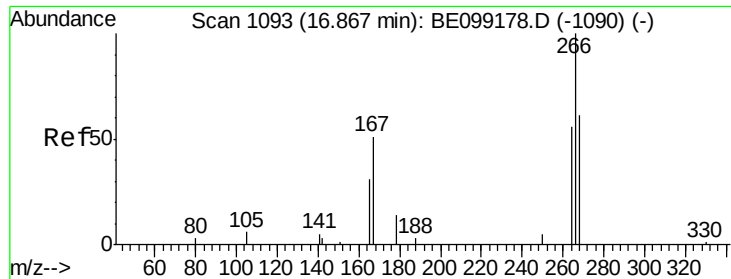
Tgt Ion:172 Resp: 20930  
Ion Ratio Lower Upper  
172 100  
171 33.6 27.4 41.0  
170 23.6 19.1 28.7



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. -0.01 min  
Lab File: BE099241.D  
Acq: 27 Mar 2019 9:20

Tgt Ion:188 Resp: 37897  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.0 4.5 6.7#

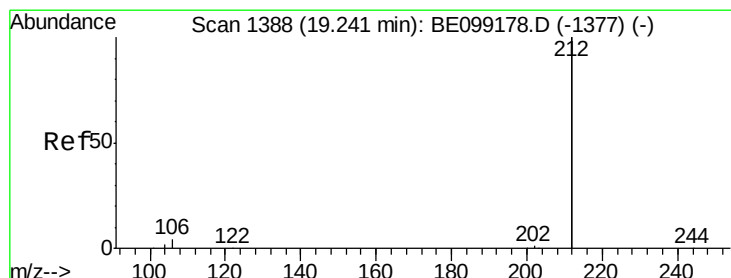
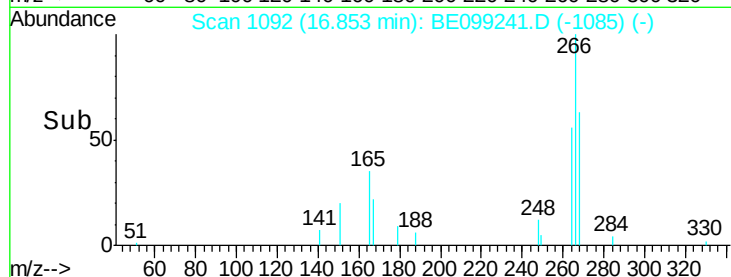
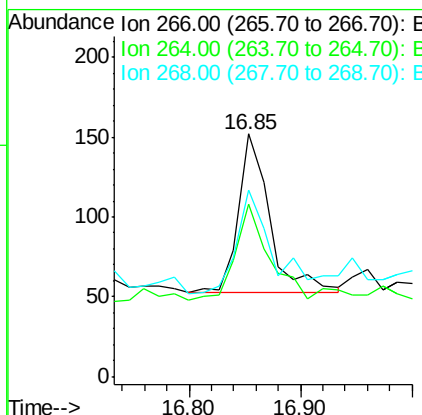
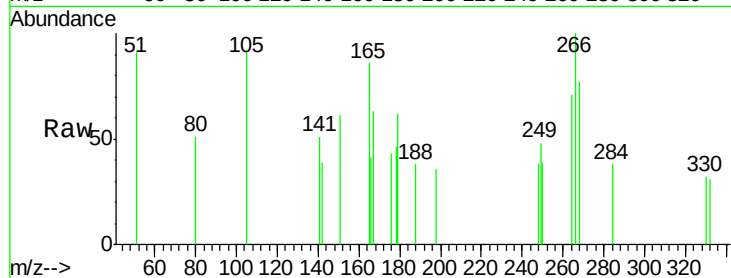




#22  
 Pentachlorophenol  
 Concen: 0.295 ng  
 RT: 16.85 min Scan# 1092  
 Delta R.T. -0.01 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

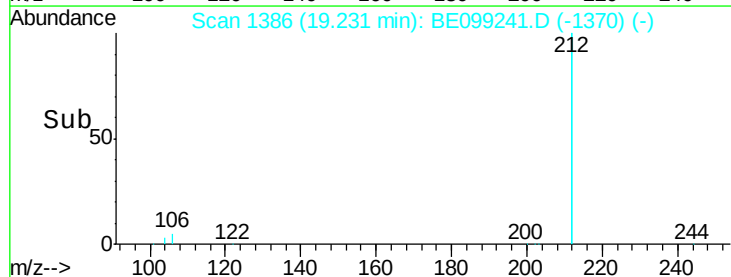
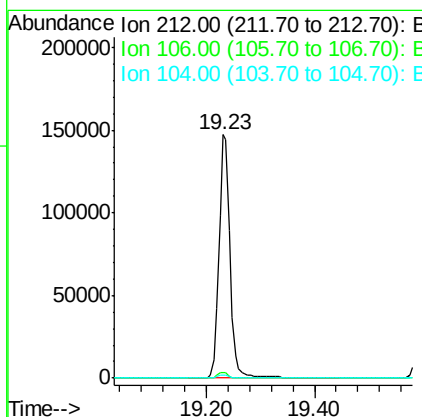
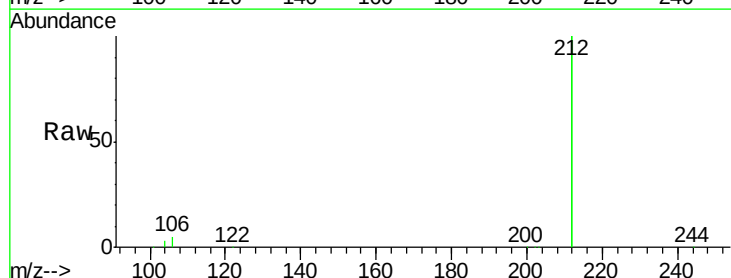
Instrument :  
 BNA\_E  
 ClientSampleId :  
 P015-TW001-01

Tgt Ion: 266 Resp: 192  
 Ion Ratio Lower Upper  
 266 100  
 264 71.1 54.4 81.6  
 268 77.0 61.3 91.9

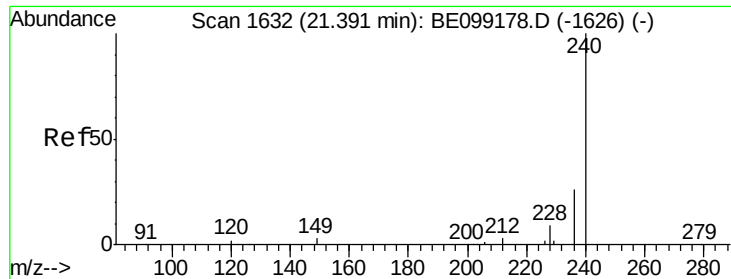


#25  
 Fluoranthene-d10  
 Concen: 0.455 ng  
 RT: 19.23 min Scan# 1386  
 Delta R.T. -0.01 min  
 Lab File: BE099241.D  
 Acq: 27 Mar 2019 9:20

Tgt Ion: 212 Resp: 209143  
 Ion Ratio Lower Upper  
 212 100  
 106 2.4 1.8 2.8  
 104 1.3 1.1 1.7







#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

Instrument :

BNA\_E

ClientSampleId :

P015-TW001-01

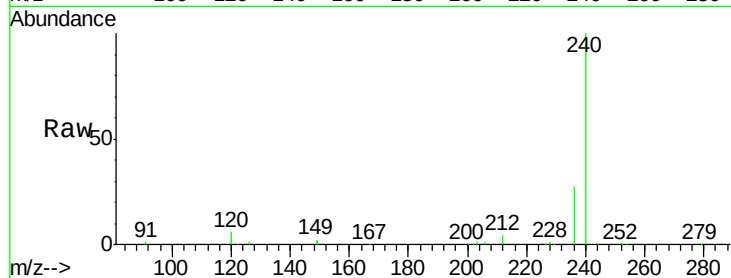
Tgt Ion:240 Resp: 42862

Ion Ratio Lower Upper

240 100

120 5.6 2.6 3.8#

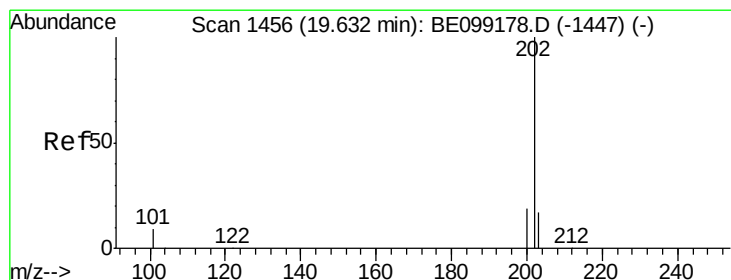
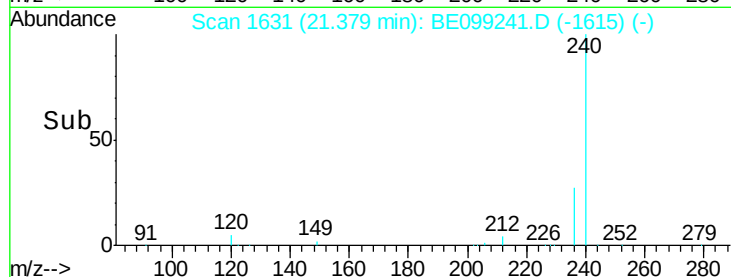
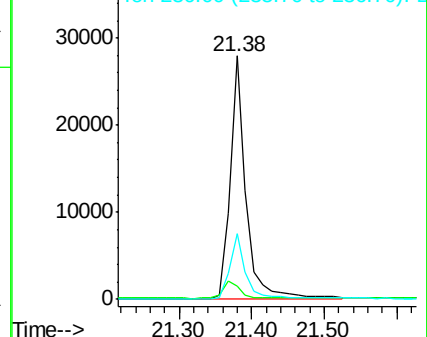
236 27.2 20.9 31.3



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



#28

Pyrene

Concen: 0.059 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

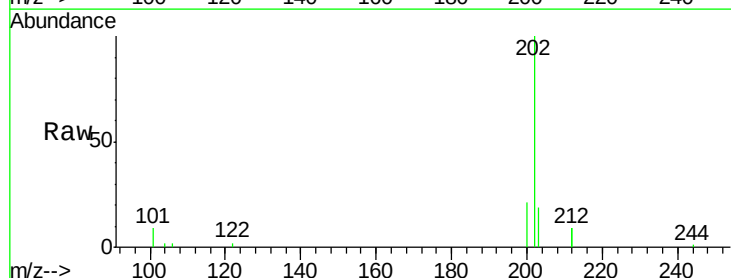
Tgt Ion:202 Resp: 8417

Ion Ratio Lower Upper

202 100

200 20.4 15.8 23.8

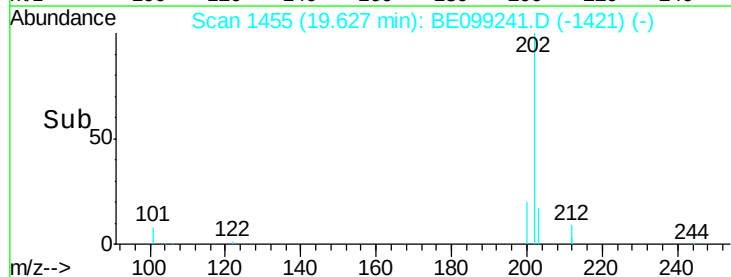
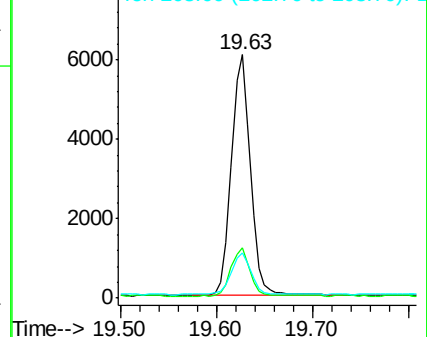
203 17.7 14.1 21.1

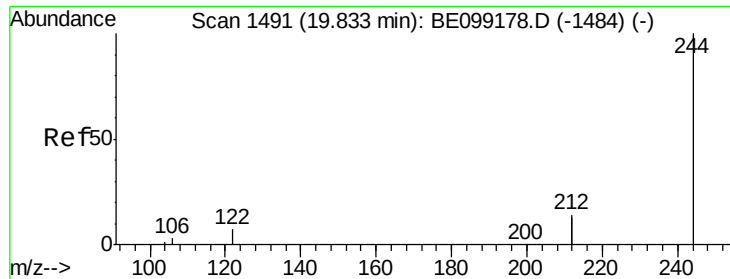


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.373 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

Instrument :

BNA\_E

ClientSampleId :

P015-TW001-01

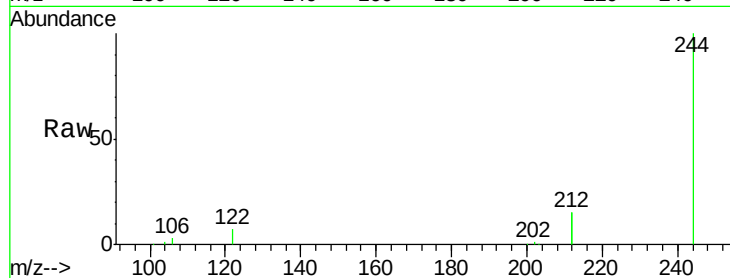
Tgt Ion:244 Resp: 34745

Ion Ratio Lower Upper

244 100

212 29.7 22.7 34.1

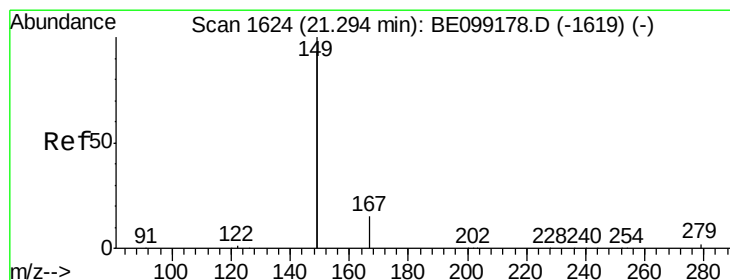
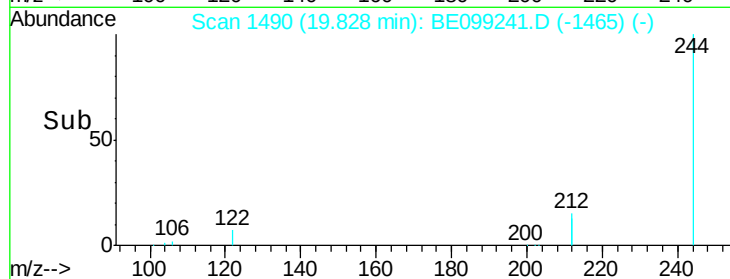
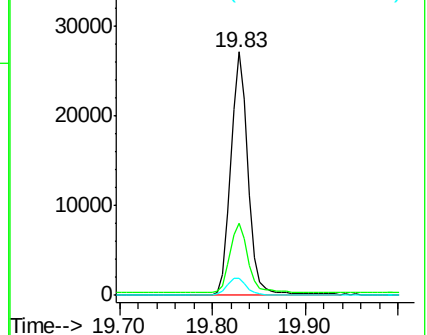
122 7.3 5.8 8.6



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: 0.074 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099241.D

Acq: 27 Mar 2019 9:20

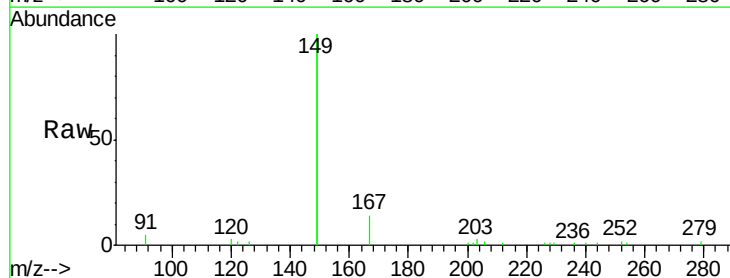
Tgt Ion:149 Resp: 12556

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

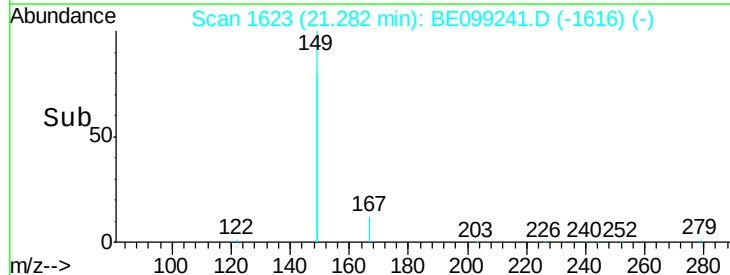
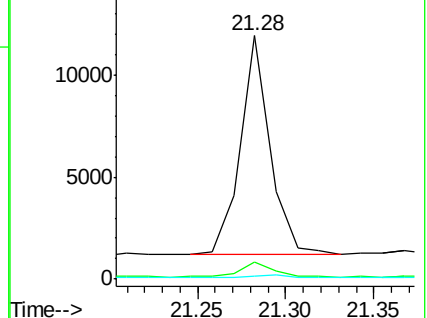
279 1.3 1.0 1.6

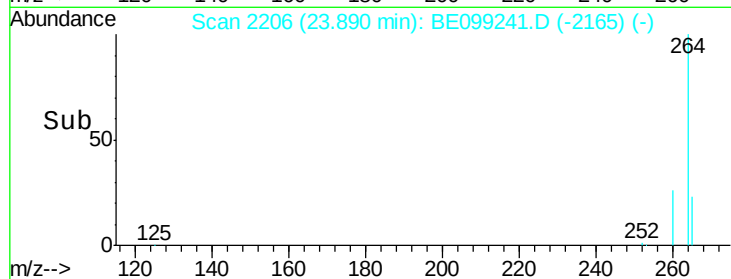
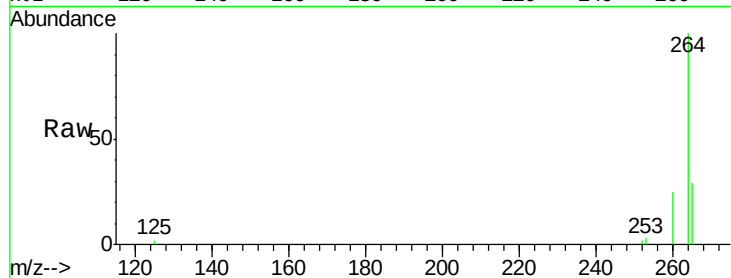
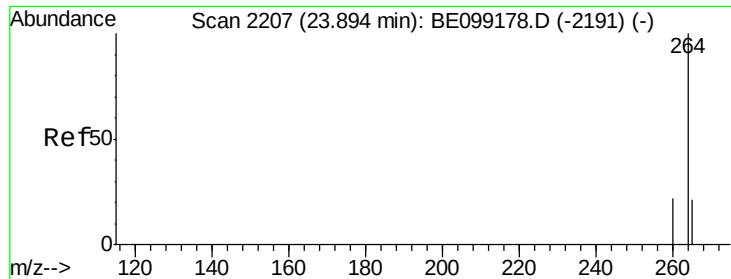


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2206  
Delta R.T. -0.00 min  
Lab File: BE099241.D  
Acq: 27 Mar 2019 9:20

Instrument :  
BNA\_E  
ClientSampleId :  
P015-TW001-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 35151 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 25.3  | 18.2  | 27.2  |
| 265       | 29.0  | 21.8  | 32.8  |

