

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111918\  
 Data File : BE098247.D  
 Acq On : 19 Nov 2018 11:09  
 Operator : SJ/JU  
 Sample : PB114879BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Nov 19 11:41:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 16 19:05:33 2018  
 Response via : Initial Calibration

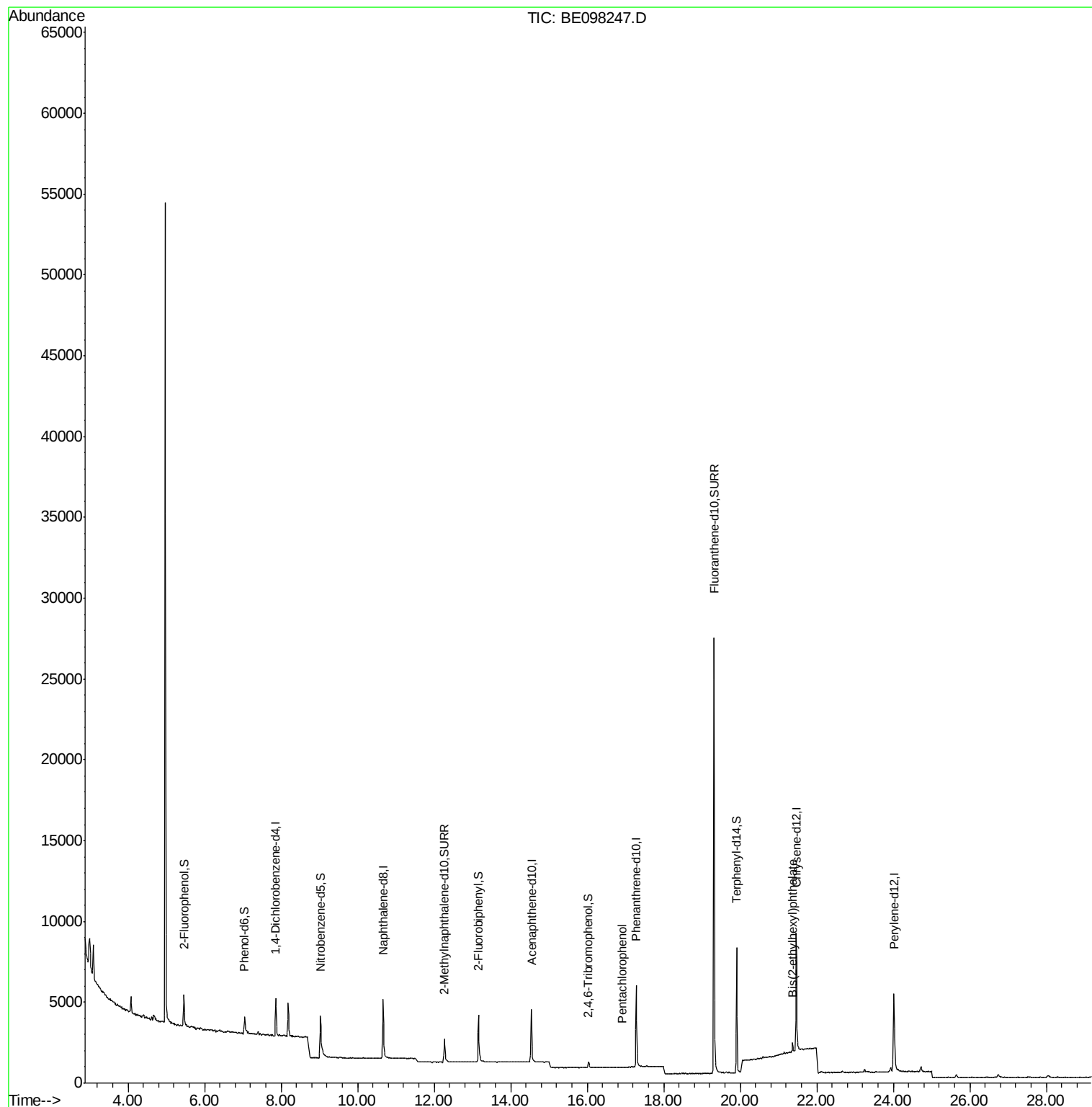
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 1167     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.67 | 136  | 4525     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.54 | 164  | 2726     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 17.28 | 188  | 7784     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.46 | 240  | 8992     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.02 | 264  | 8624     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.46  | 112  | 1123     | 0.36  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.04  | 99   | 1520     | 0.31  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1583     | 0.37  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 2638     | 0.33  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 271      | 0.31  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 3826     | 0.32  | ng    | 0.01     |
| 25) Fluoranthene-d10           | 19.31 | 212  | 38813    | 0.41  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.91 | 244  | 6993     | 0.34  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.92 | 266  | 5        | 0.105 | ng    | # 72     |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 893      | 0.022 | ng    | # 94     |

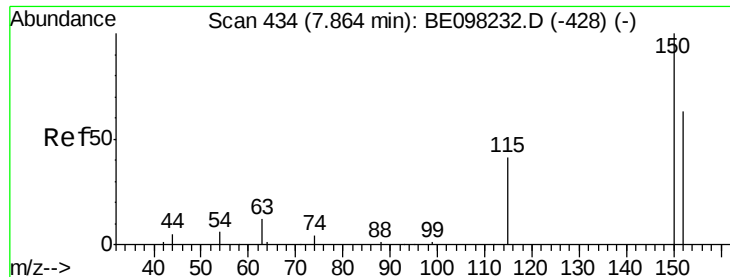
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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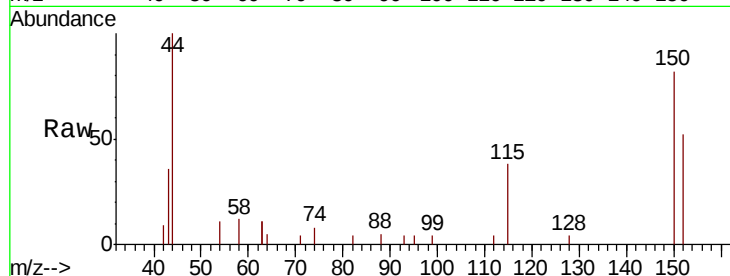


#1

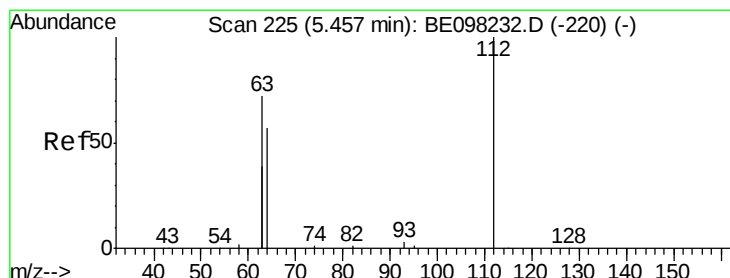
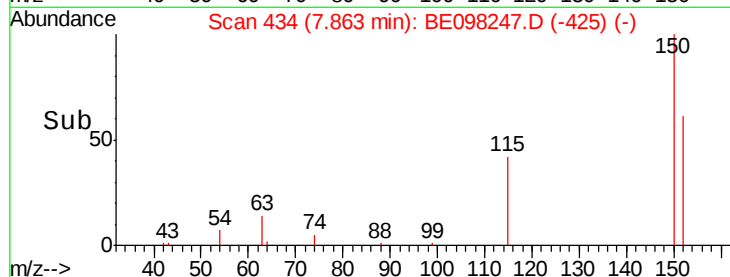
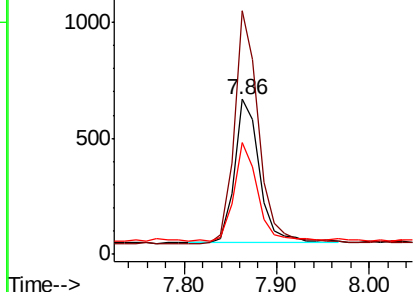
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 1167  
Ion Ratio Lower Upper  
152 100  
150 157.4 127.5 191.3  
115 72.1 60.3 90.5



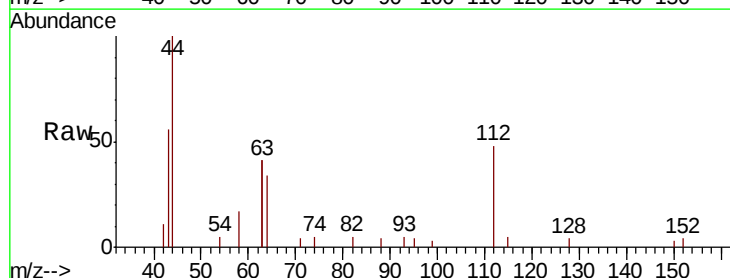
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



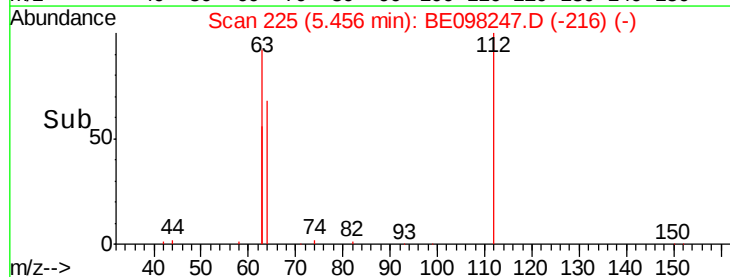
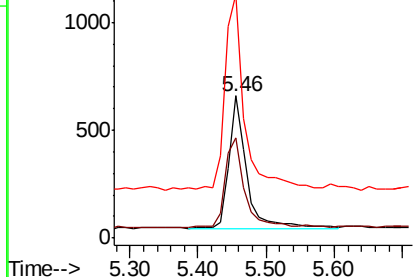
#4

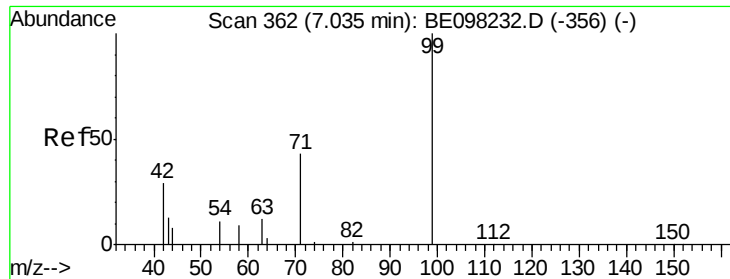
2-Fluorophenol  
Concen: 0.359 ng  
RT: 5.46 min Scan# 225  
Delta R.T. -0.00 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

Tgt Ion:112 Resp: 1123  
Ion Ratio Lower Upper  
112 100  
64 78.0 61.7 92.5  
63 159.8 136.2 204.2



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: 0.309 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

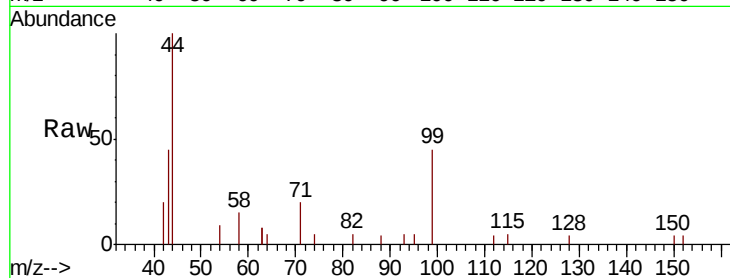
Instrument :

BNA\_E

ClientSampleId :

Tot Ion: 99 Resp: 1520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.7  | 27.1  | 40.7  |
| 71  | 39.7  | 37.0  | 55.6  |

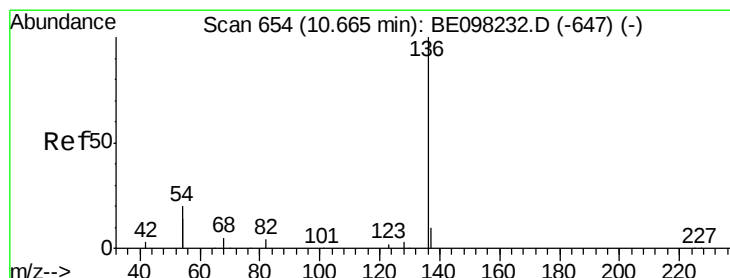
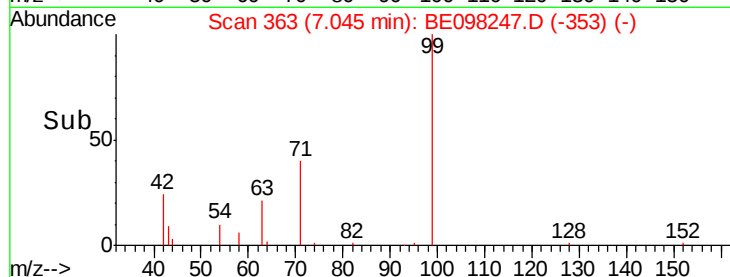
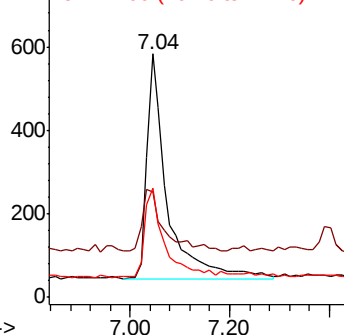


Abundance

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: 10.67 min Scan# 654

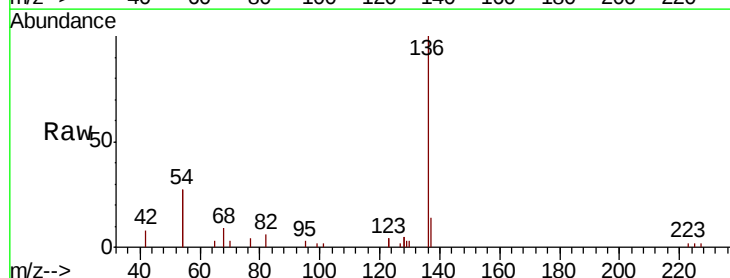
Delta R.T. 0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

Tgt Ion: 136 Resp: 4525

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 13.6  | 9.5   | 14.3  |
| 54  | 54.2  | 31.3  | 46.9# |
| 68  | 8.9   | 4.8   | 7.2#  |



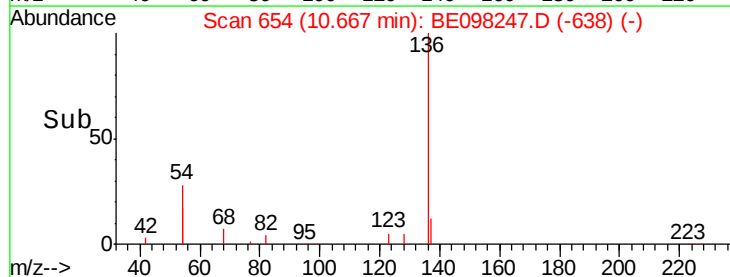
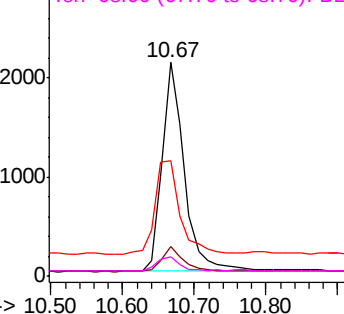
Abundance

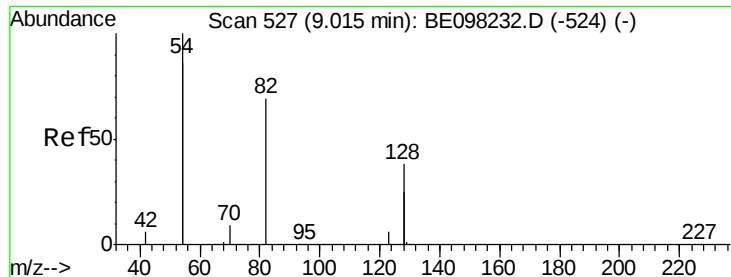
Ion 136.00 (135.70 to 136.70): E

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

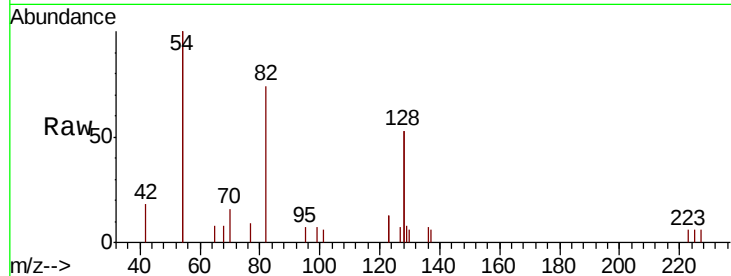




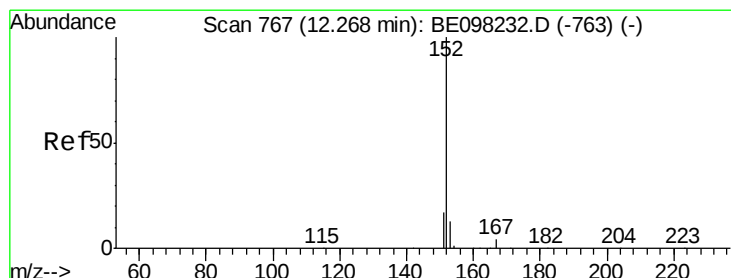
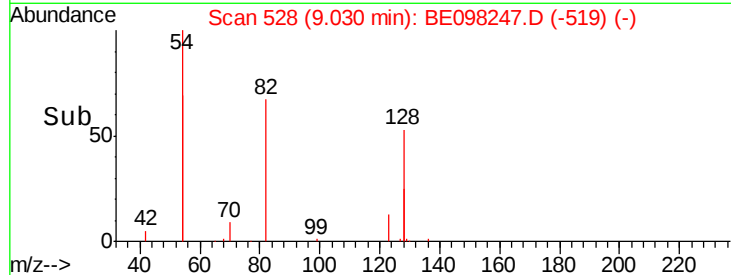
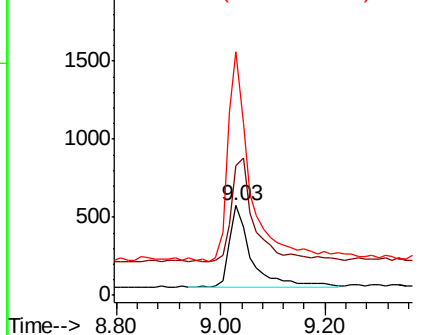
#8  
 Nitrobenzene-d5  
 Concen: 0.371 ng  
 RT: 9.03 min Scan# 528  
 Delta R.T. 0.01 min  
 Lab File: BE098247.D  
 Acq: 19 Nov 2018 11:09

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 1583   |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 144.4 | 96.1  | 144.1# |
| 54        | 270.8 | 232.0 | 348.0  |

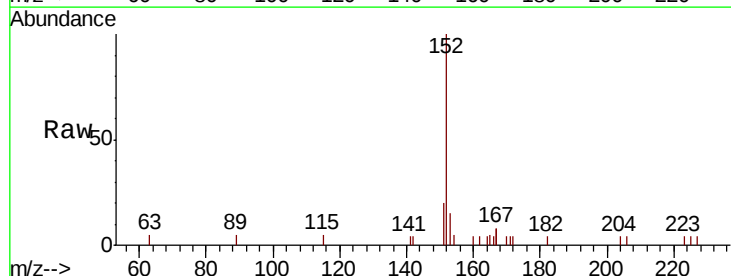


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): BE0  
 Ion 54.00 (53.70 to 54.70): BE0

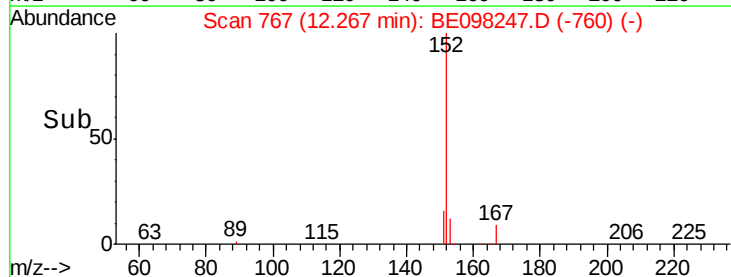
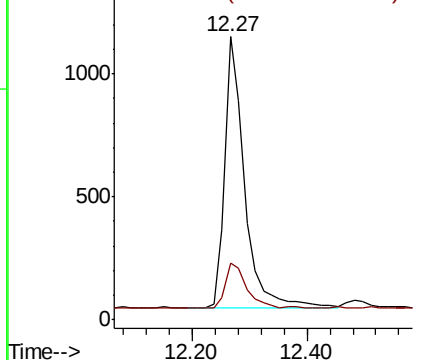


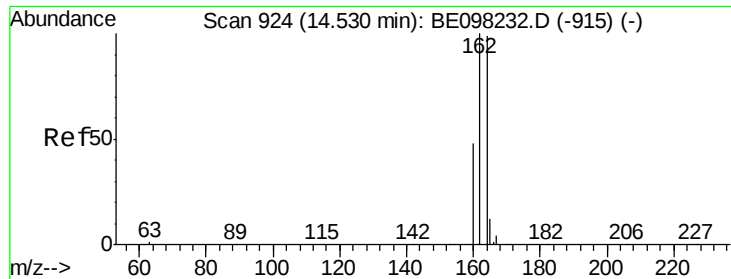
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.332 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BE098247.D  
 Acq: 19 Nov 2018 11:09

| Tgt Ion   | 152   | Resp  | 2638 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 18.9  | 15.4  | 23.2 |



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

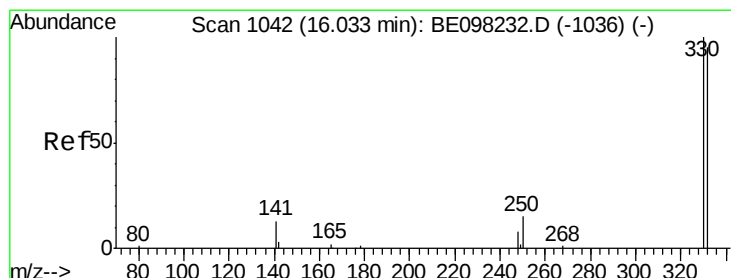
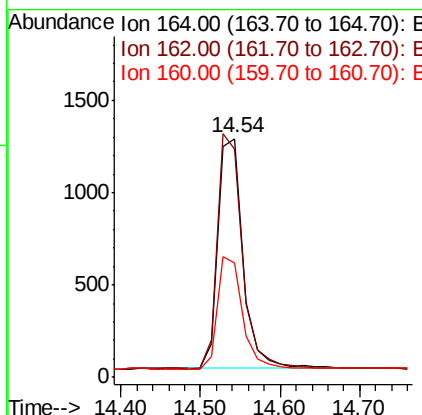
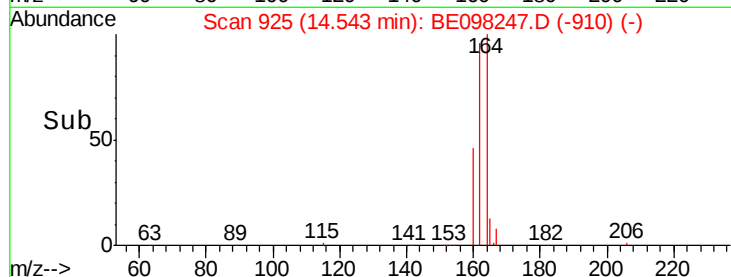
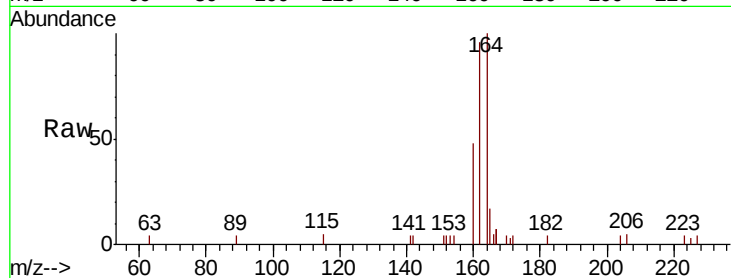




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.54 min Scan# 925  
Delta R.T. 0.01 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

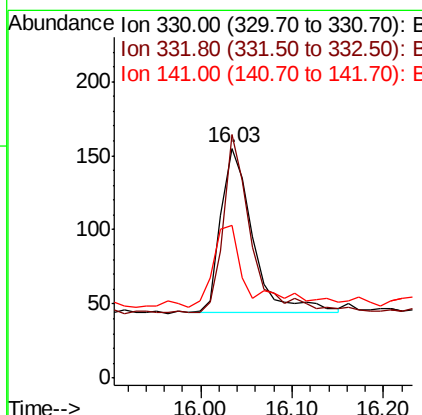
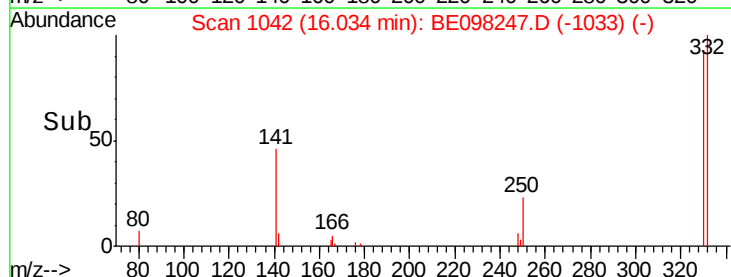
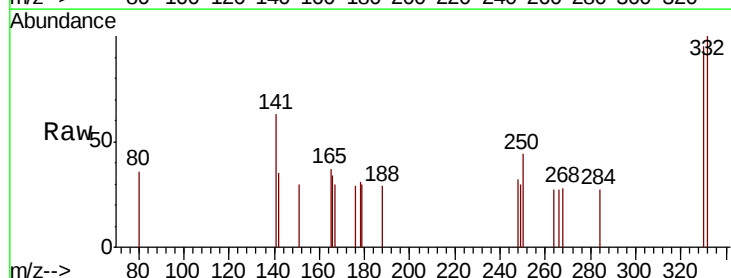
Instrument :  
BNA\_E  
ClientSampleId :

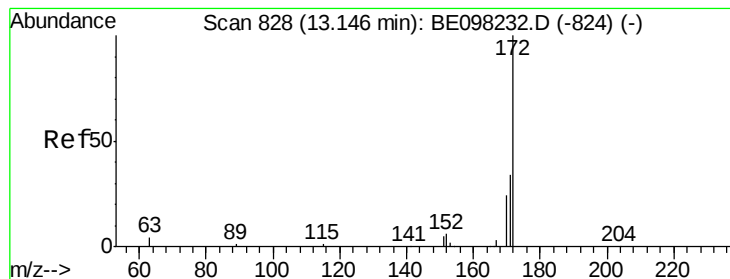
Tot Ion:164 Resp: 2726  
Ion Ratio Lower Upper  
164 100  
162 95.8 81.8 122.6  
160 48.1 39.4 59.0



#14  
2,4,6-Tribromophenol  
Concen: 0.309 ng  
RT: 16.03 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

Tgt Ion:330 Resp: 271  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.7 116.5  
141 54.2 33.6 50.4#

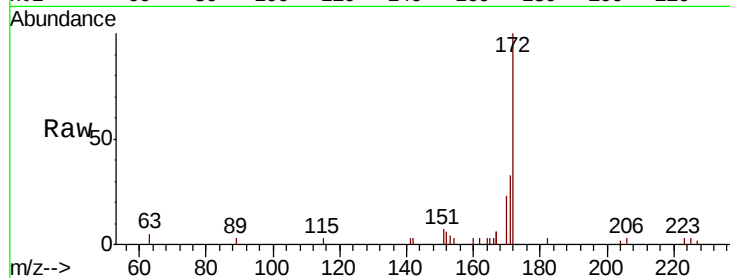




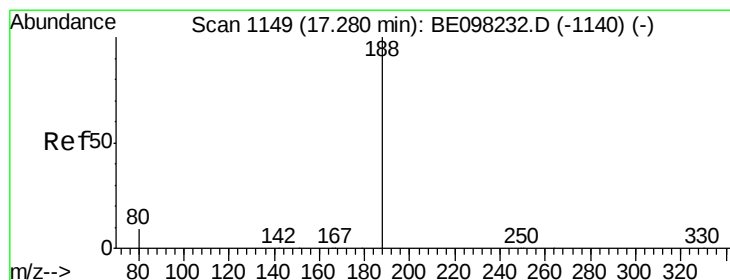
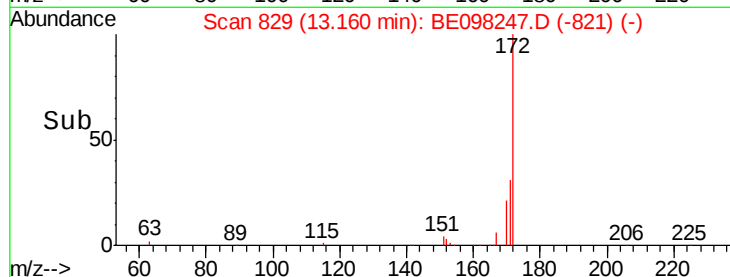
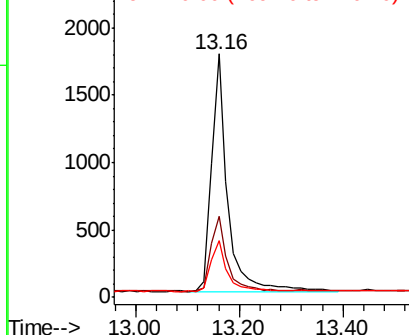
#15  
2-Fluorobiphenyl  
Concen: 0.323 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 3826  
Ion Ratio Lower Upper  
172 100  
171 33.2 27.3 40.9  
170 23.1 19.4 29.0

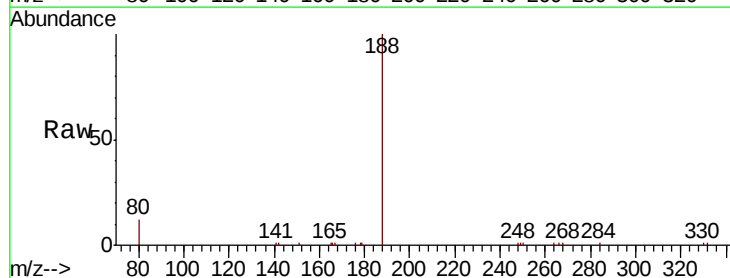


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

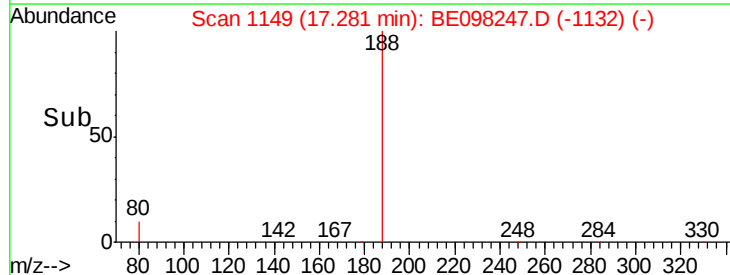
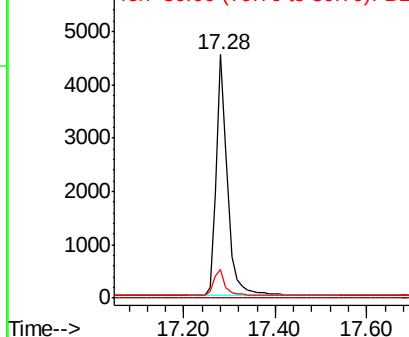


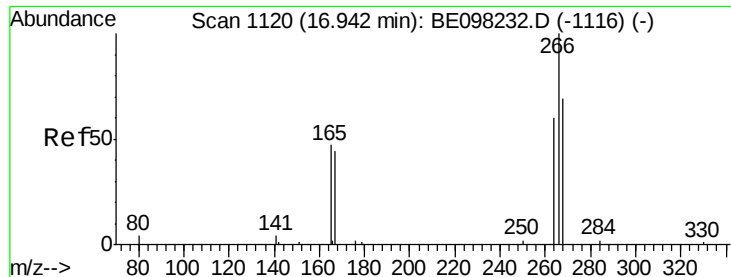
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.28 min Scan# 1149  
Delta R.T. 0.00 min  
Lab File: BE098247.D  
Acq: 19 Nov 2018 11:09

Tgt Ion:188 Resp: 7784  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.6 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: 0.105 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098247.D

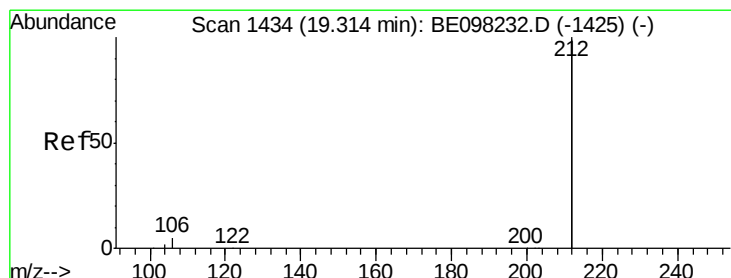
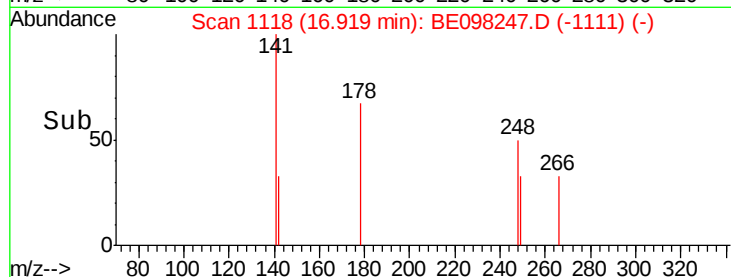
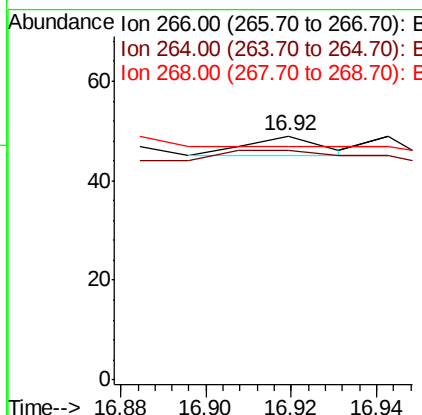
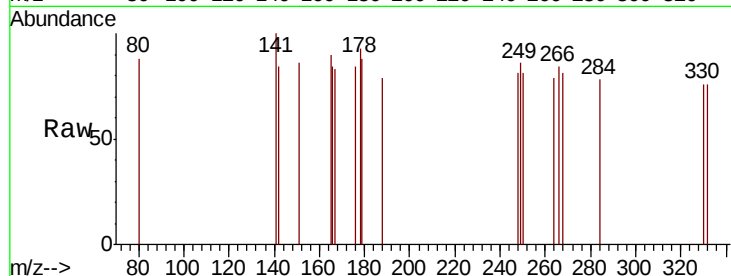
Acq: 19 Nov 2018 11:09

Instrument :

BNA\_E

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 266   | Resp: | 5     |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 93.9  | 57.6  | 86.4# |
| 268      | 95.9  | 56.8  | 85.2# |



#25

Fluoranthene-d10

Concen: 0.410 ng

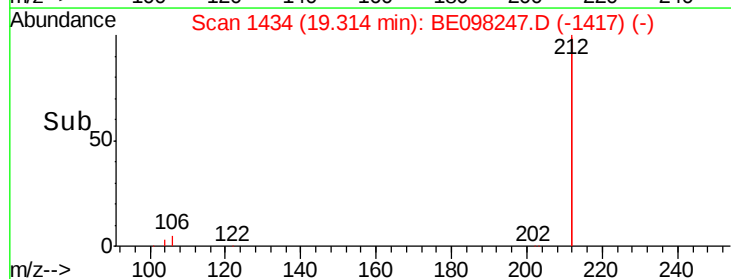
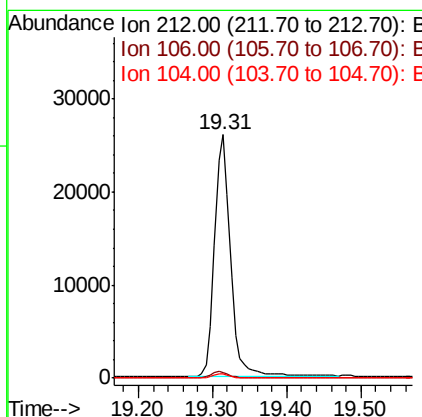
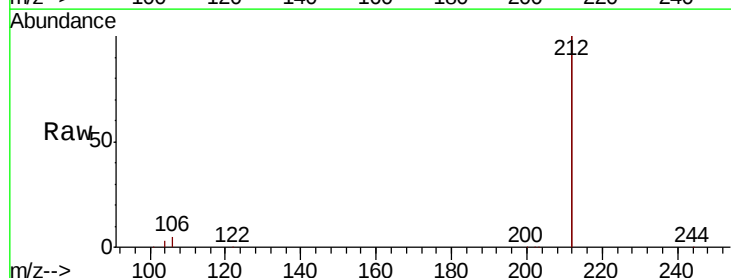
RT: 19.31 min Scan# 1434

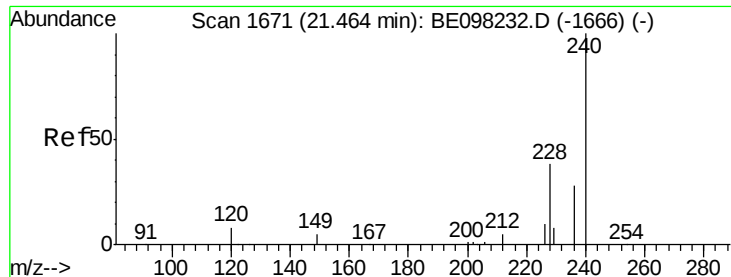
Delta R.T. -0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 38813 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 2.7   | 1.8   | 2.8   |
| 104      | 1.5   | 1.1   | 1.7   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

Instrument :

BNA\_E

ClientSampleId :

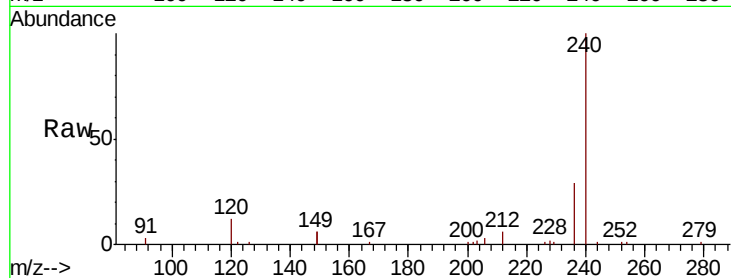
Tot Ion:240 Resp: 8992

Ion Ratio Lower Upper

240 100

120 11.6 4.8 7.2#

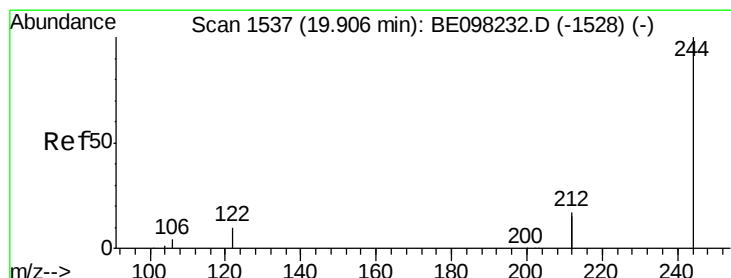
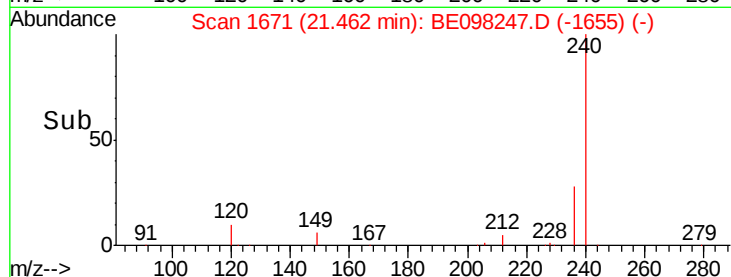
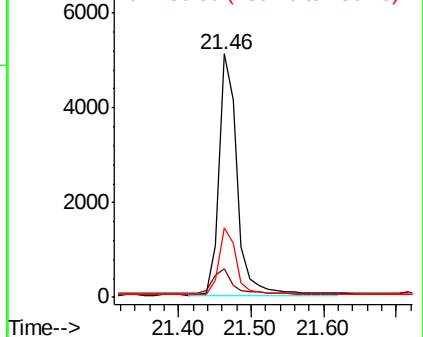
236 28.8 21.4 32.0



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: 0.338 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

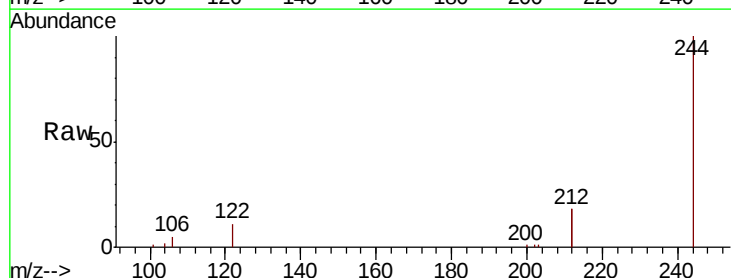
Tgt Ion:244 Resp: 6993

Ion Ratio Lower Upper

244 100

212 35.8 26.8 40.2

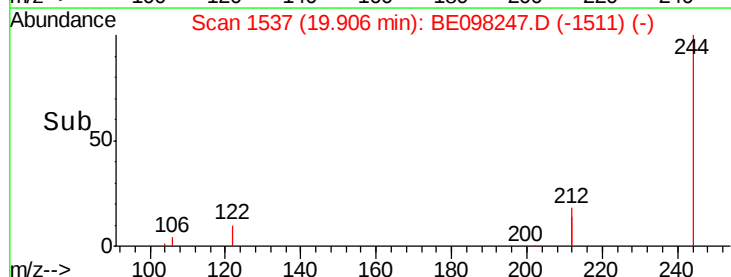
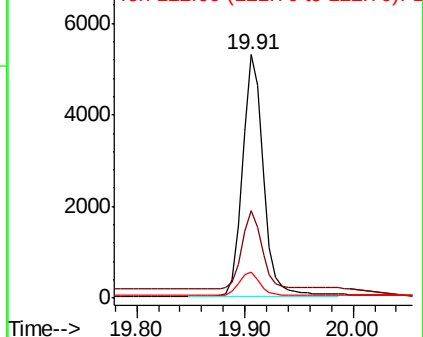
122 10.7 7.0 10.6#

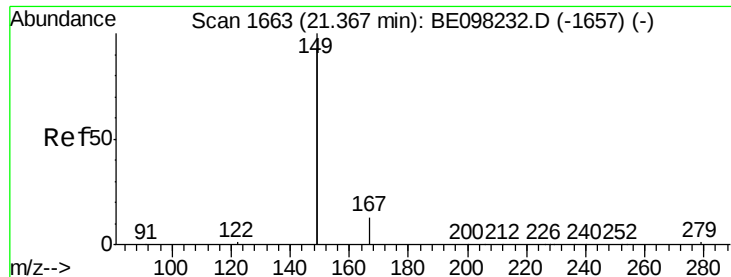


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.022 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

Instrument :

BNA\_E

ClientSampleId :

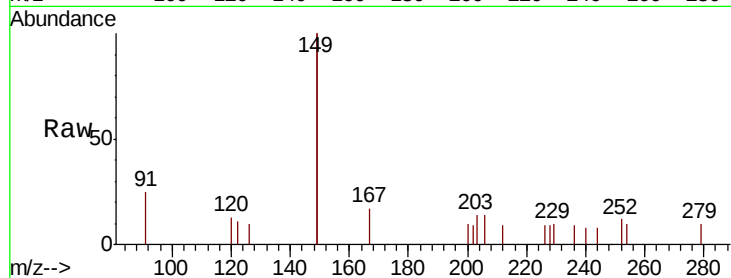
Tot Ion:149 Resp: 893

Ion Ratio Lower Upper

149 100

167 9.3 5.6 8.4#

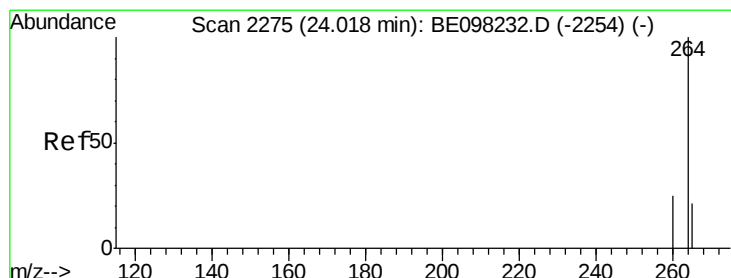
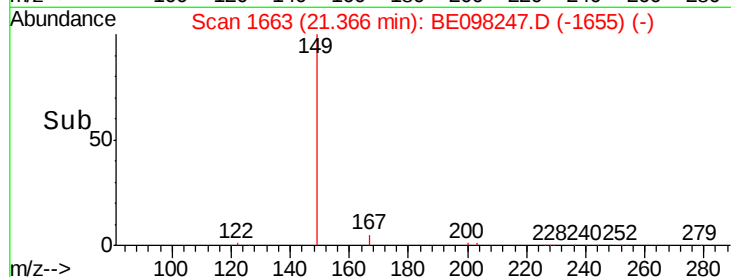
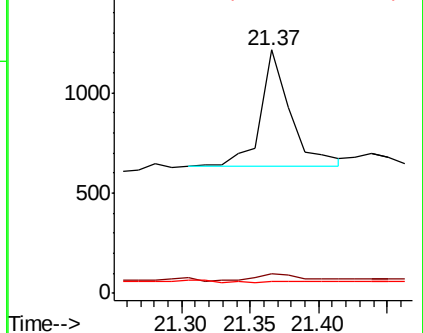
279 0.0 0.9 1.3#



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: 24.02 min Scan# 2274

Delta R.T. -0.00 min

Lab File: BE098247.D

Acq: 19 Nov 2018 11:09

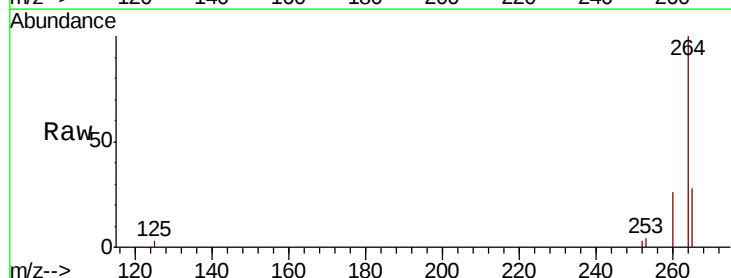
Tgt Ion:264 Resp: 8624

Ion Ratio Lower Upper

264 100

260 26.2 19.9 29.9

265 27.9 21.3 31.9



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

