

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052919\  
 Data File : BE099781.D  
 Acq On : 29 May 2019 17:59  
 Operator : JU/SJ  
 Sample : SP4744  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SP4744

Quant Time: May 30 01:32:53 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  | 1401     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.61 | 136  | 4546     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 3012     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 8206     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 12993    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.94 | 264  | 16384    | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.37  | 112  | 1726     | 0.49 | ng    | 0.00     |
| 5) Phenol-d6                | 6.97  | 99   | 2103     | 0.45 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 1658     | 0.42 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 3388     | 0.43 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330  | 772      | 0.46 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 5309     | 0.46 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.26 | 212  | 53152    | 0.47 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 11592    | 0.50 | ng    | -0.01    |

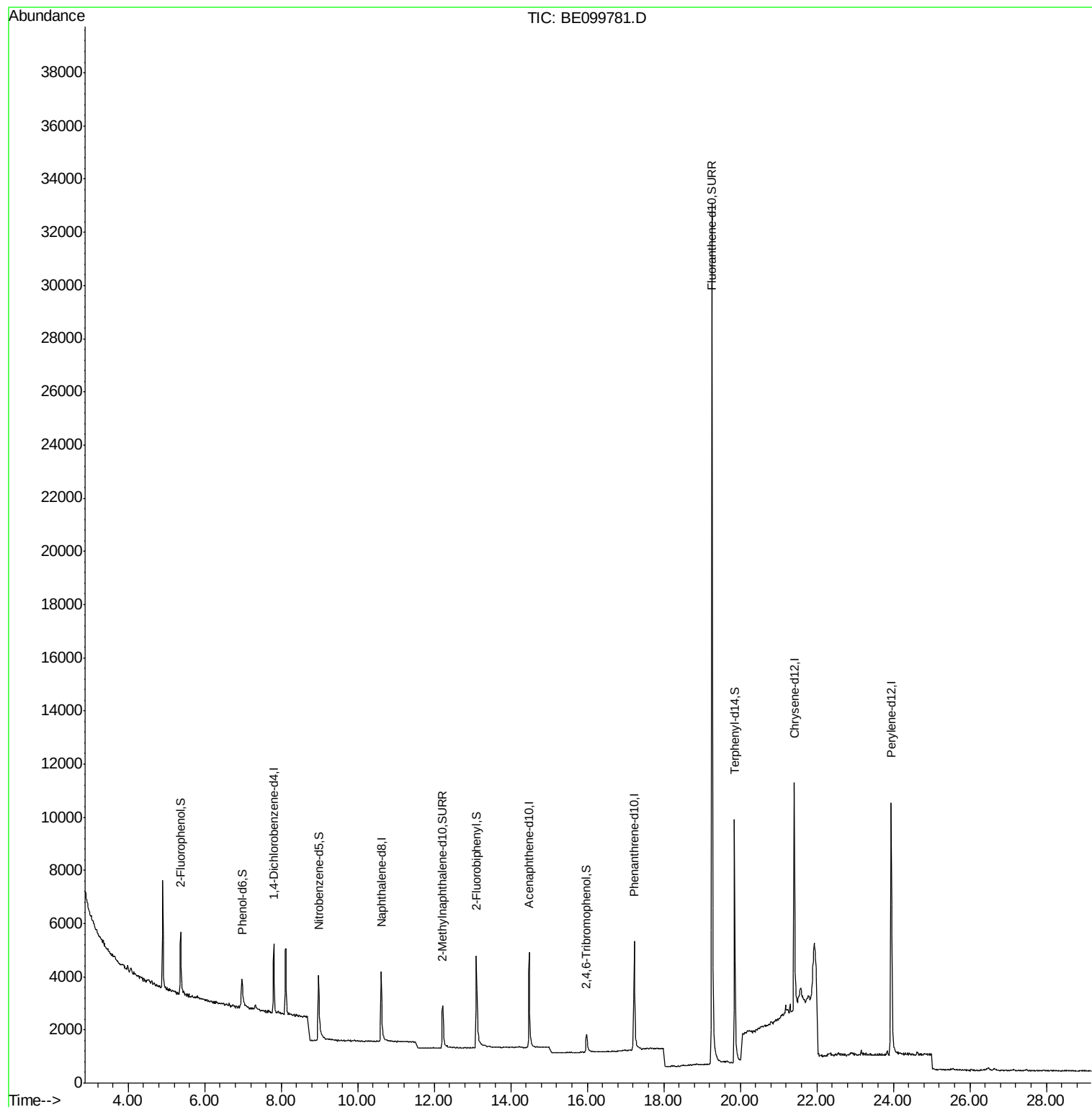
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

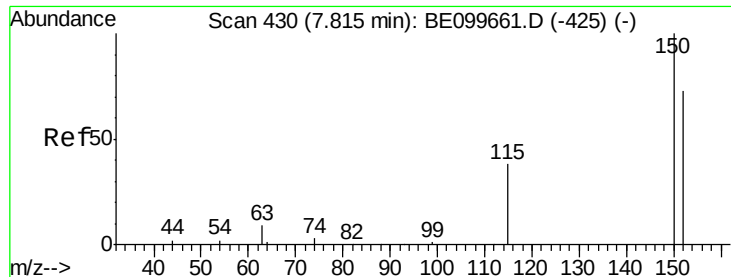
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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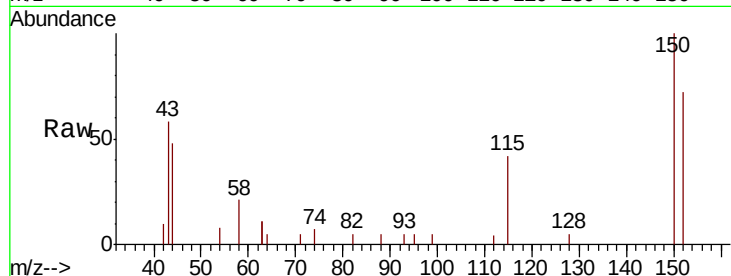


#1

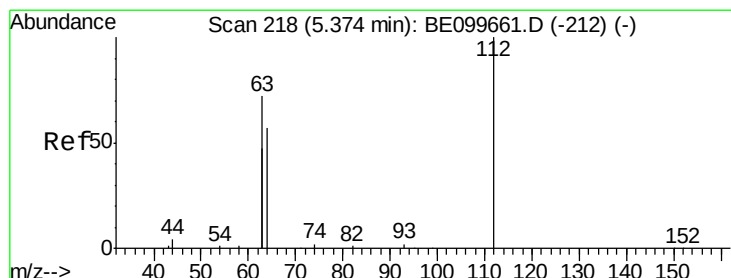
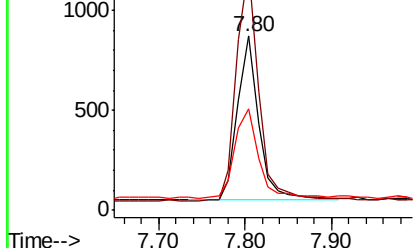
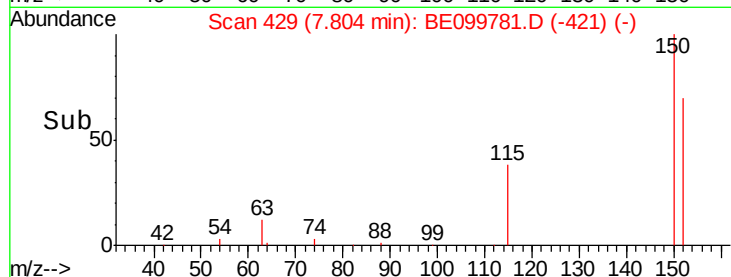
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.80 min Scan# 429  
 Delta R.T. -0.01 min  
 Lab File: BE099781.D  
 Acq: 29 May 2019 17:59

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SP4744

Tot Ion:152 Resp: 1401  
 Ion Ratio Lower Upper  
 152 100  
 150 139.8 109.2 163.8  
 115 58.3 43.7 65.5



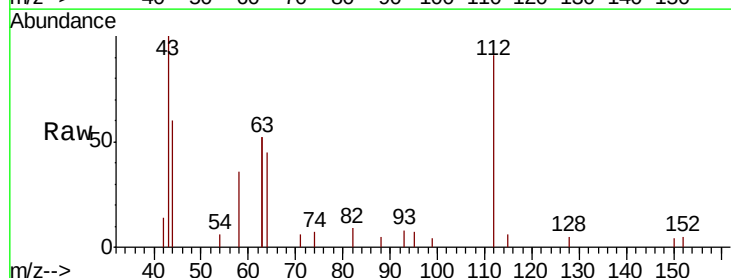
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



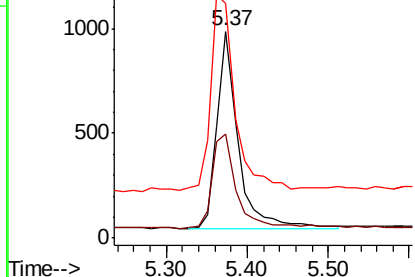
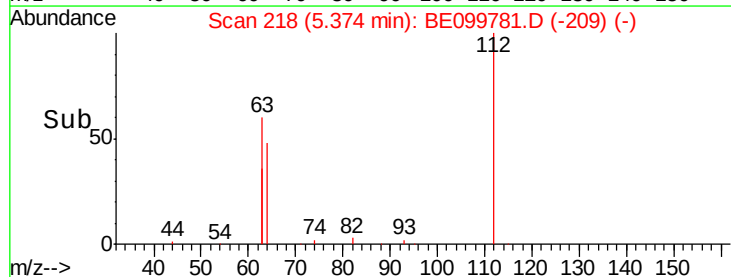
#4

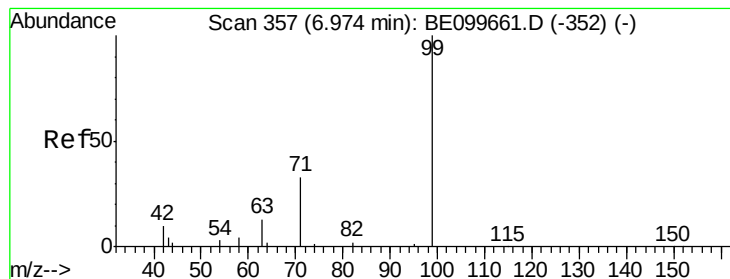
2-Fluorophenol  
 Concen: 0.488 ng  
 RT: 5.37 min Scan# 218  
 Delta R.T. 0.00 min  
 Lab File: BE099781.D  
 Acq: 29 May 2019 17:59

Tgt Ion:112 Resp: 1726  
 Ion Ratio Lower Upper  
 112 100  
 64 56.0 43.4 65.2  
 63 113.6 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: 0.449 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

Instrument :

BNA\_E

ClientSampleId :

SP4744

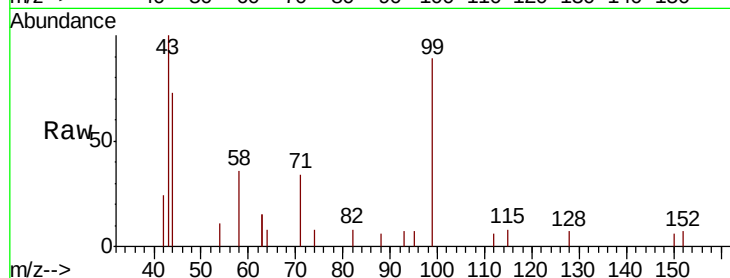
Tot Ion: 99 Resp: 2103

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.2#

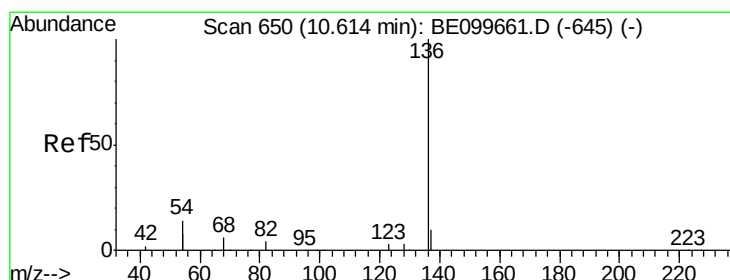
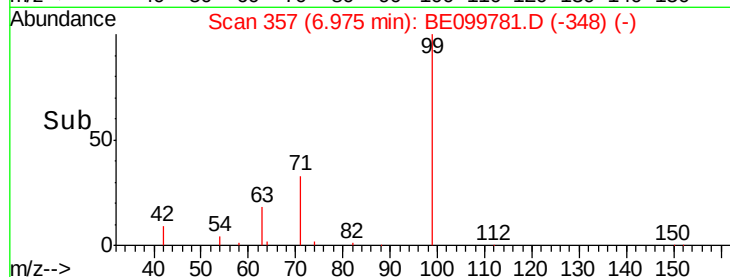
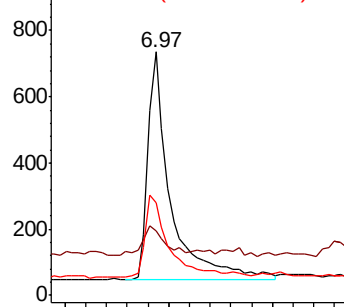
71 38.2 28.9 43.3



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: BE099781.D

Acq: 29 May 2019 17:59

Tgt Ion: 136 Resp: 4546

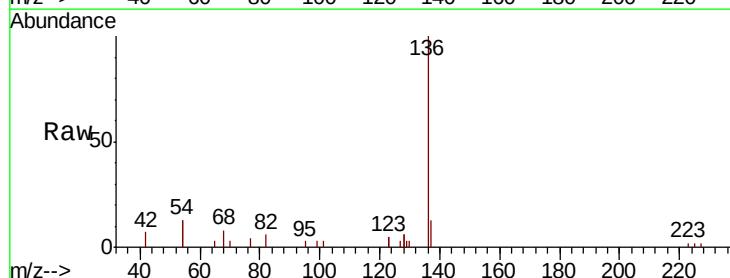
Ion Ratio Lower Upper

136 100

137 13.2 9.0 13.6

54 26.9 22.3 33.5

68 7.7 6.0 9.0

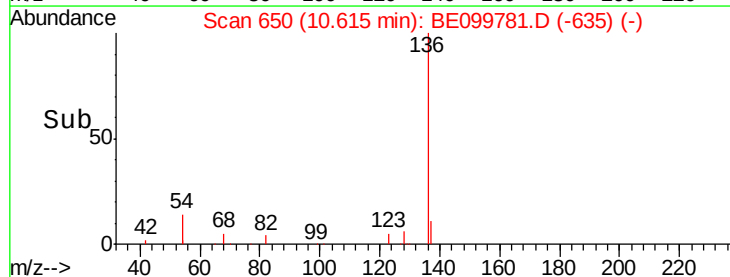
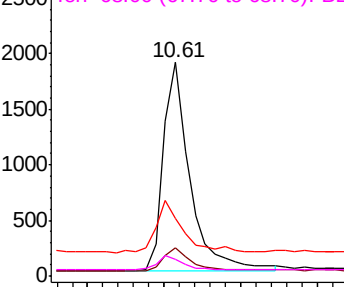


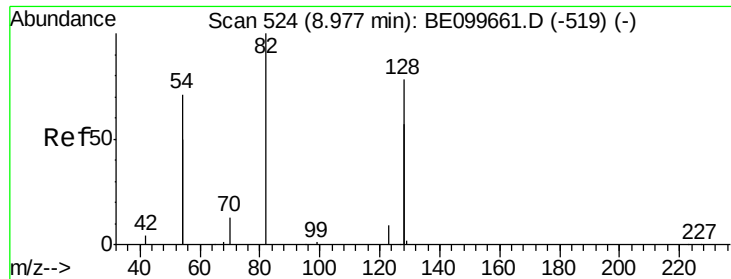
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.421 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

Instrument :

BNA\_E

ClientSampleId :

SP4744

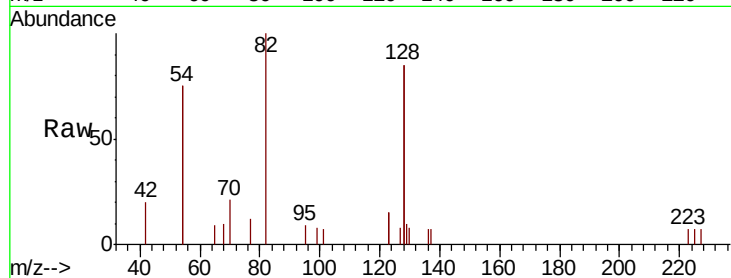
Tot Ion: 82 Resp: 1658

Ion Ratio Lower Upper

82 100

128 169.9 117.7 176.5

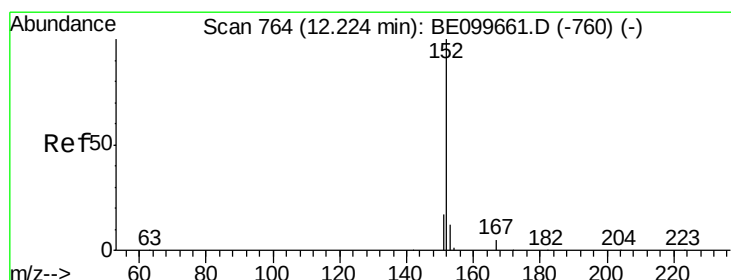
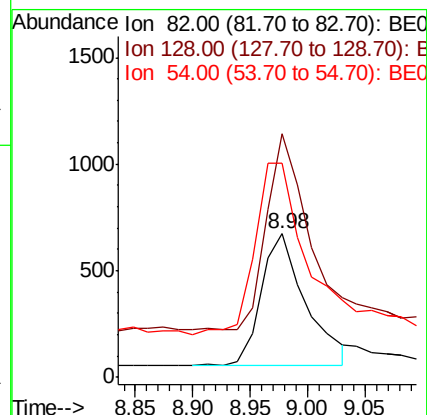
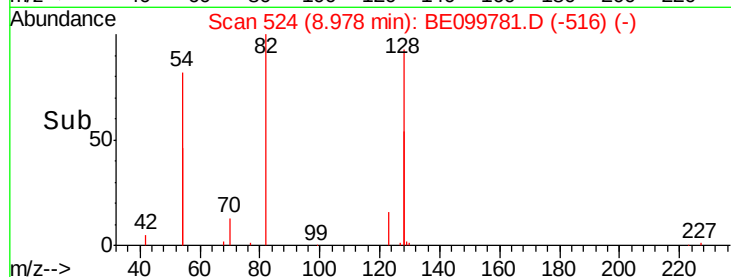
54 149.7 106.6 160.0



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: 0.432 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099781.D

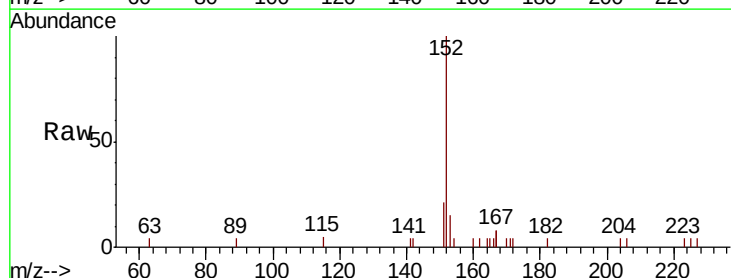
Acq: 29 May 2019 17:59

Tgt Ion: 152 Resp: 3388

Ion Ratio Lower Upper

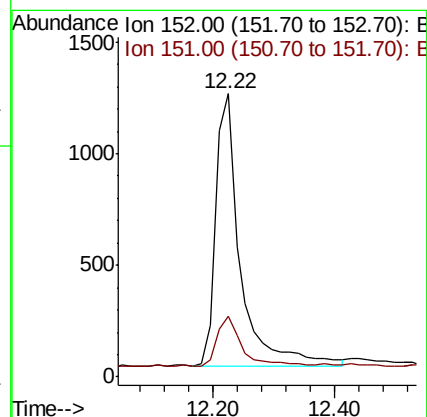
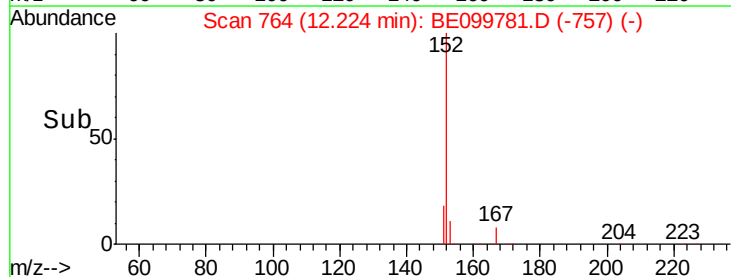
152 100

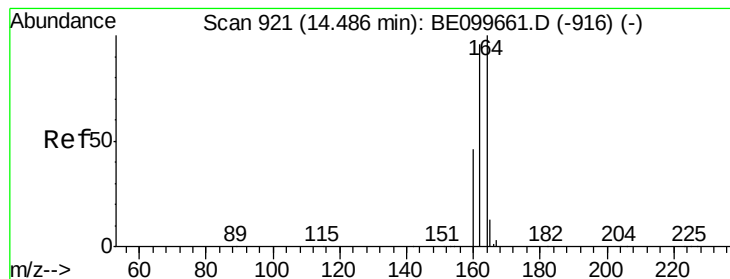
151 18.5 15.0 22.4



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: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

Instrument :

BNA\_E

ClientSampleId :

SP4744

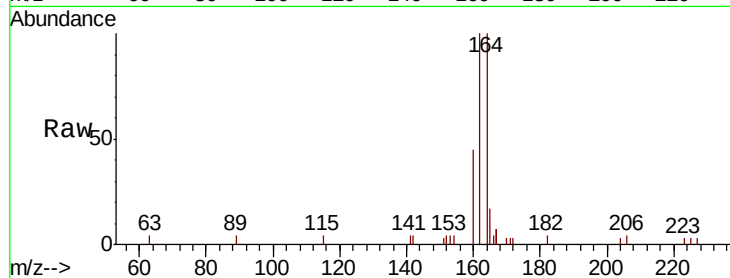
Tot Ion:164 Resp: 3012

Ion Ratio Lower Upper

164 100

162 100.1 76.5 114.7

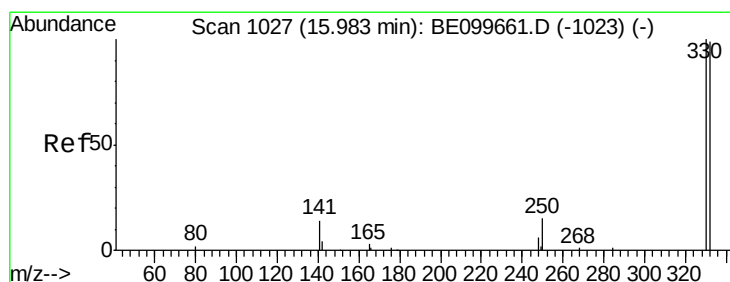
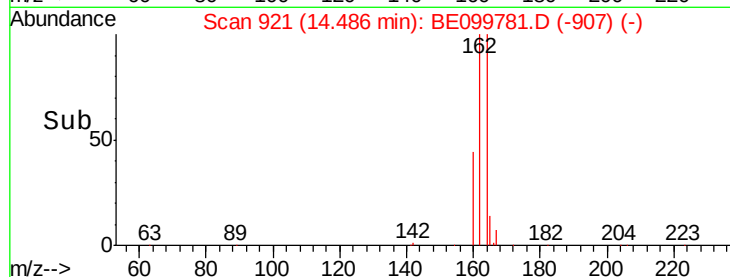
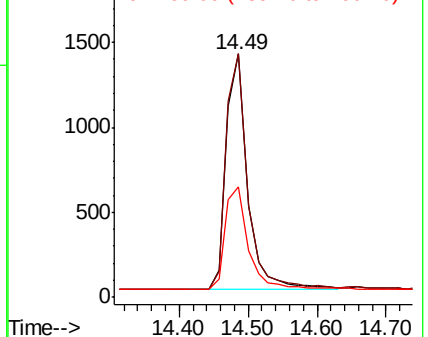
160 45.5 37.4 56.2



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: 0.465 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

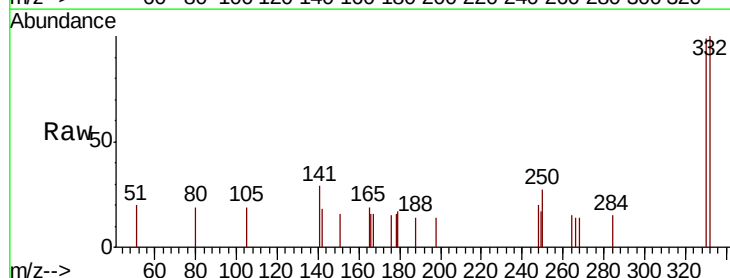
Tgt Ion:330 Resp: 772

Ion Ratio Lower Upper

330 100

332 100.3 77.3 115.9

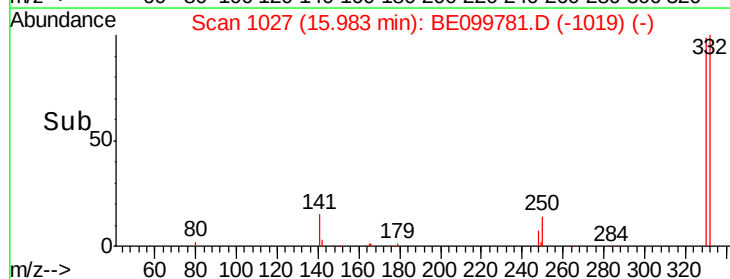
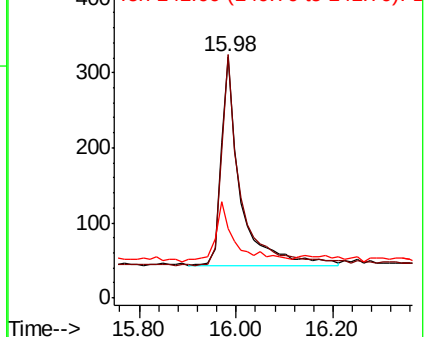
141 23.1 18.9 28.3

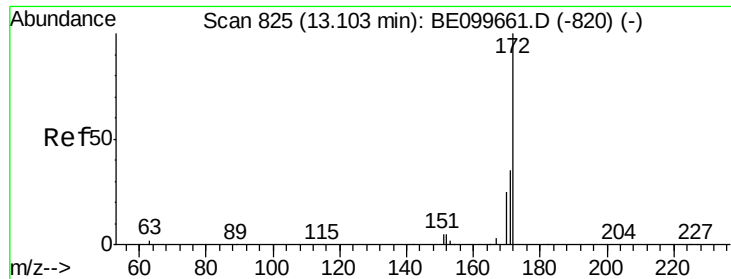


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

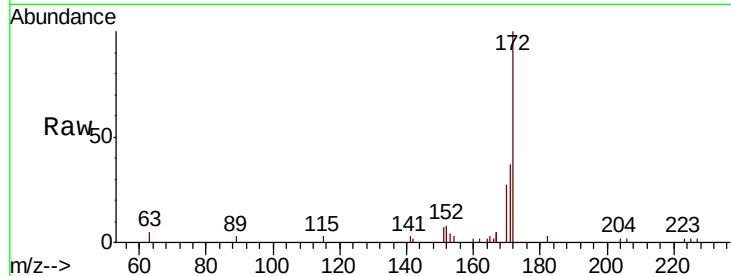




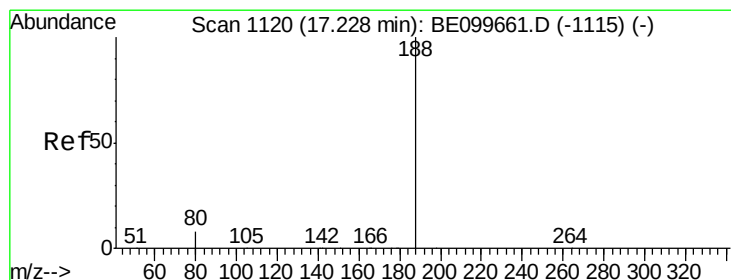
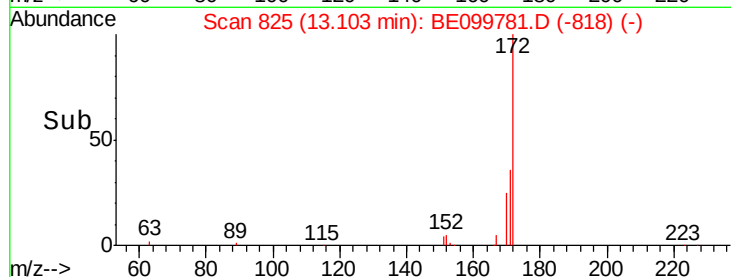
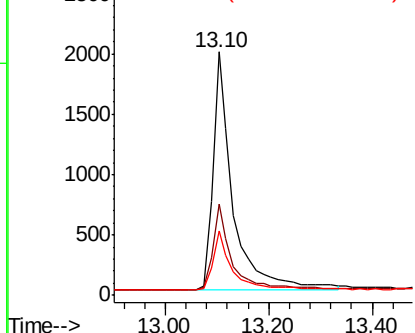
#15  
2-Fluorobiphenyl  
Concen: 0.465 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099781.D  
Acq: 29 May 2019 17:59

Instrument :  
BNA\_E  
ClientSampleId :  
SP4744

Tot Ion:172 Resp: 5309  
Ion Ratio Lower Upper  
172 100  
171 37.2 28.7 43.1  
170 26.7 20.9 31.3

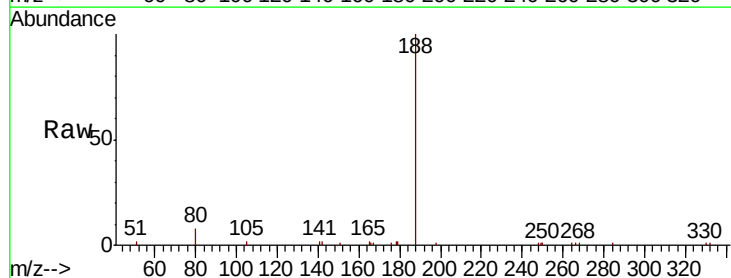


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

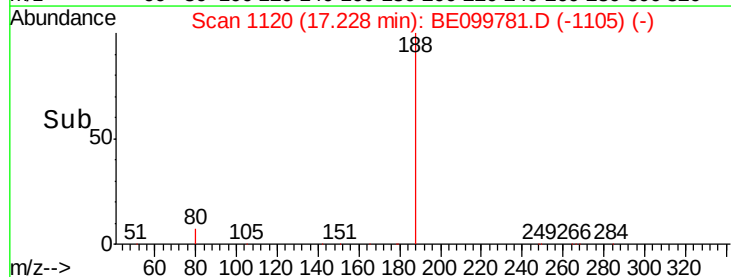
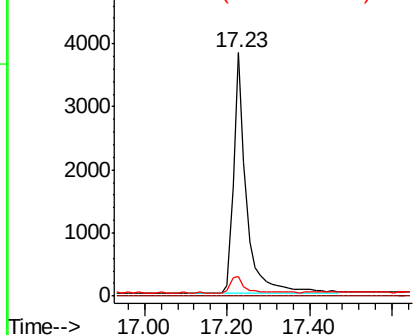


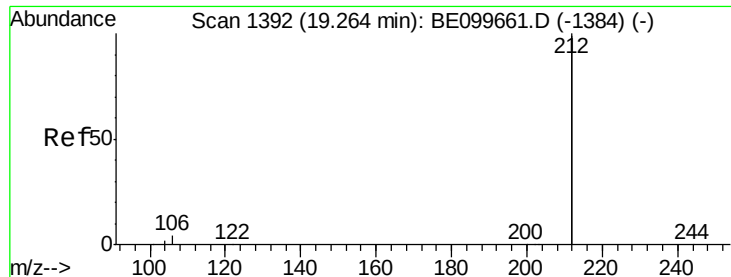
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE099781.D  
Acq: 29 May 2019 17:59

Tgt Ion:188 Resp: 8206  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.0 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





#25

Fluoranthene-d10

Concen: 0.474 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

Instrument :

BNA\_E

ClientSampleId :

SP4744

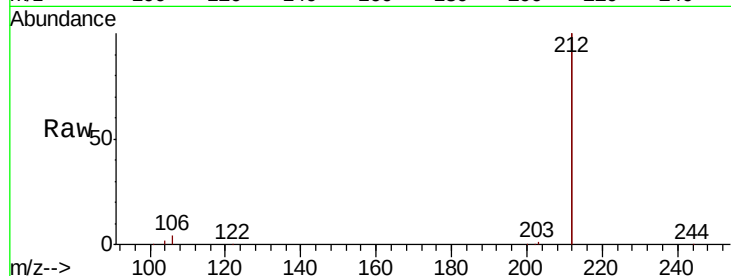
Tot Ion:212 Resp: 53152

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

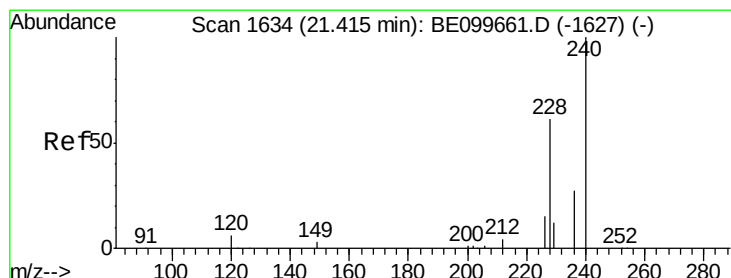
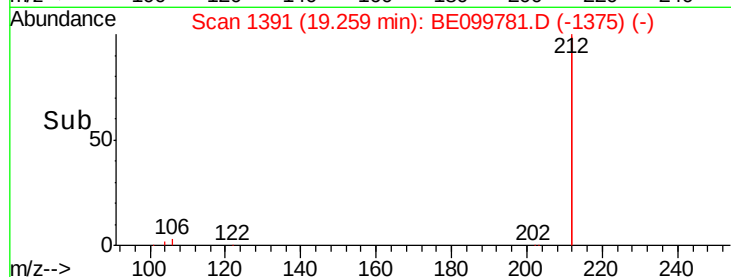
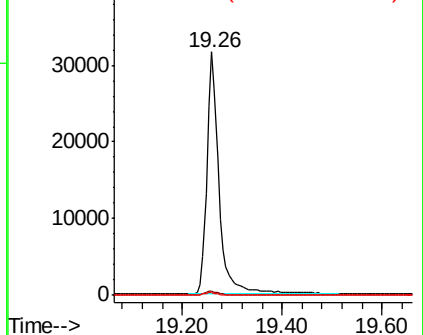
104 1.1 0.8 1.2



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: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

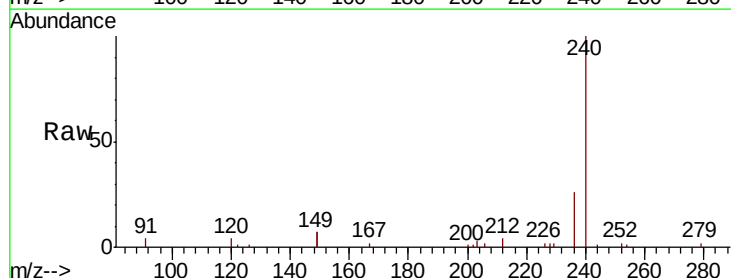
Tgt Ion:240 Resp: 12993

Ion Ratio Lower Upper

240 100

120 4.5 5.4 8.0#

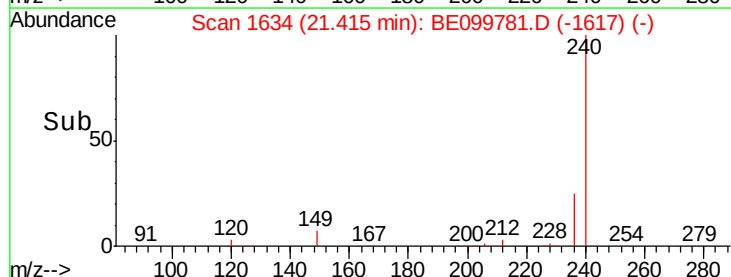
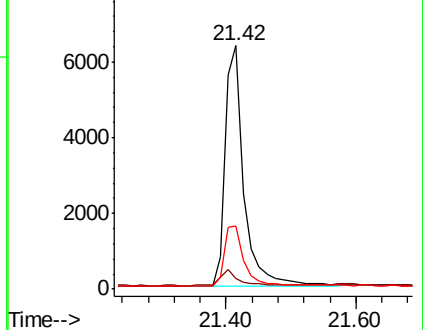
236 26.2 21.7 32.5



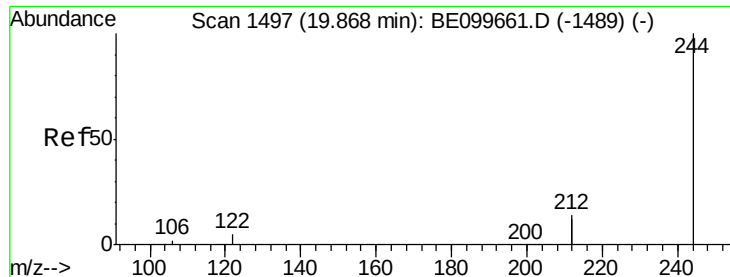
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#29

Terphenyl-d14

Concen: 0.500 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

Instrument :

BNA\_E

ClientSampleId :

SP4744

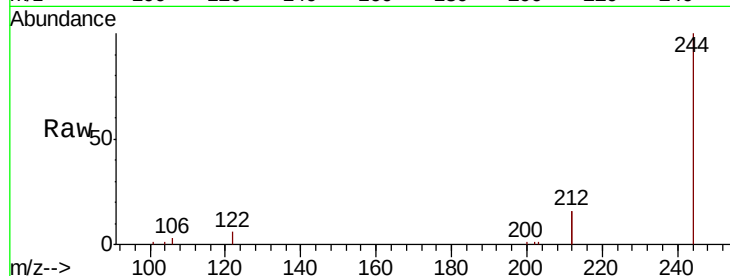
Tot Ion:244 Resp: 11592

Ion Ratio Lower Upper

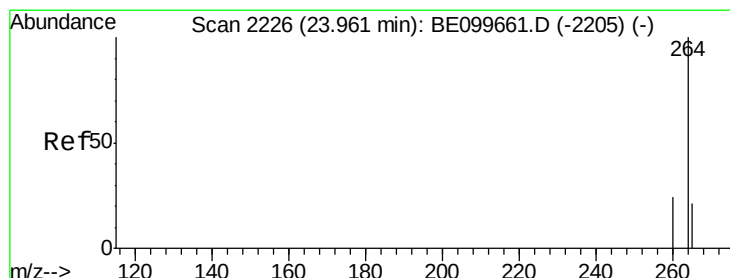
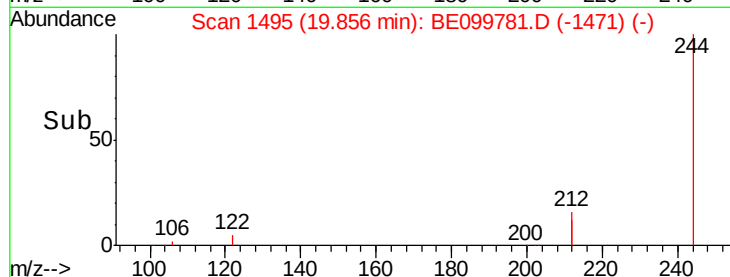
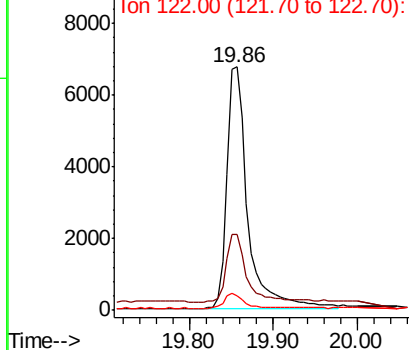
244 100

212 31.2 22.5 33.7

122 6.1 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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BE099781.D

Acq: 29 May 2019 17:59

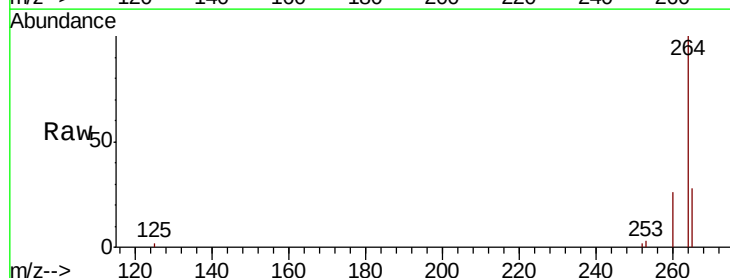
Tgt Ion:264 Resp: 16384

Ion Ratio Lower Upper

264 100

260 25.6 19.6 29.4

265 27.6 19.1 28.7



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

