

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012020\  
 Data File : BN009399.D  
 Acq On : 20 Jan 2020 12:38  
 Operator : JU  
 Sample : PB125980BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB125980BL

Quant Time: Jan 20 17:55:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 14 09:33:55 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 1393     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.23 | 136  | 4438     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.10 | 164  | 2952     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.86 | 188  | 6540     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.07 | 240  | 6008     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.19 | 264  | 6327     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.12  | 112  | 983      | 0.31 | ng    | 0.00     |
| 5) Phenol-d6                | 6.68  | 99   | 1121     | 0.30 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.63  | 82   | 988      | 0.28 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.83 | 152  | 2371     | 0.28 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.62 | 330  | 253      | 0.23 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.72 | 172  | 3546     | 0.32 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.90 | 212  | 6224     | 0.28 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.51 | 244  | 4672     | 0.33 | ng    | 0.00     |

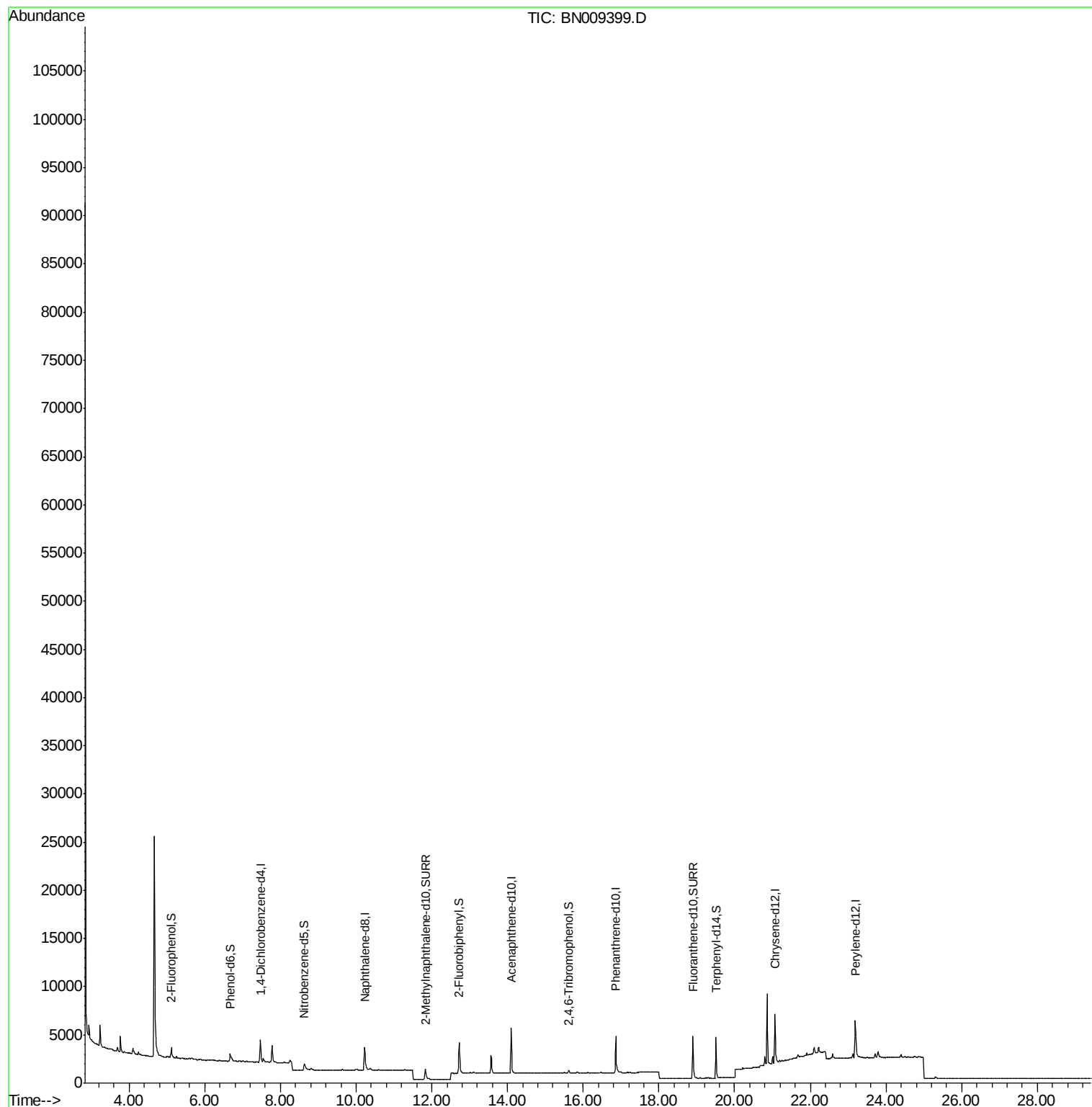
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

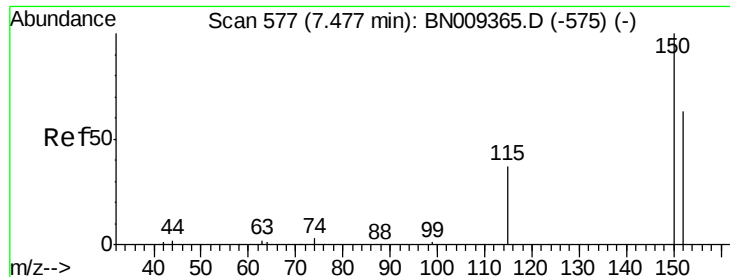
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



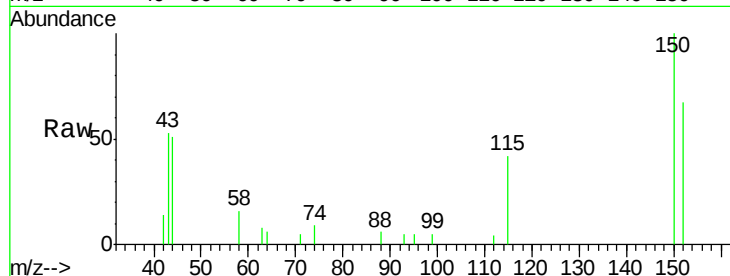


#1

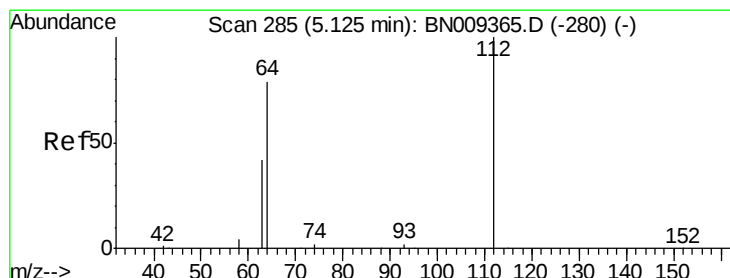
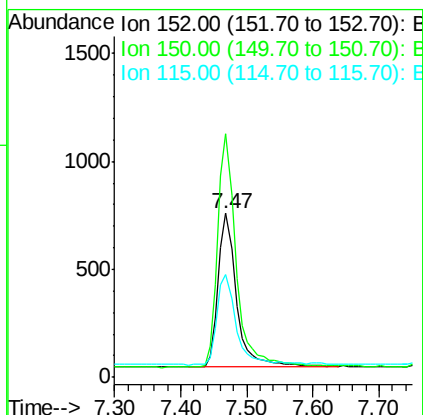
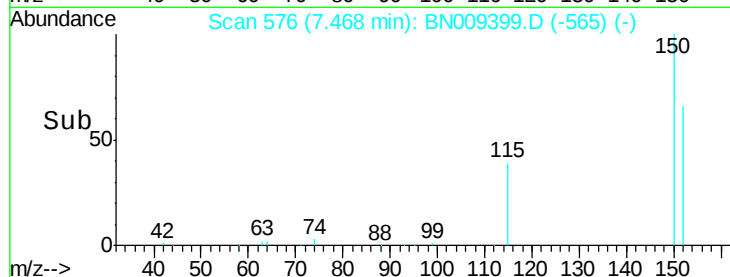
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BN009399.D  
Acq: 20 Jan 2020 12:38

Instrument :  
BNA\_N  
ClientSampleId :  
PB125980BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.4 | 125.7 | 188.5 |
| 115     | 62.9  | 53.3  | 79.9  |



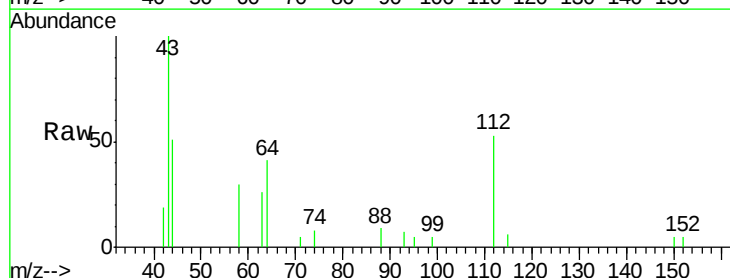
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



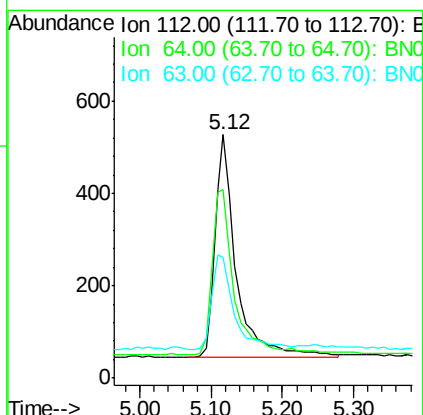
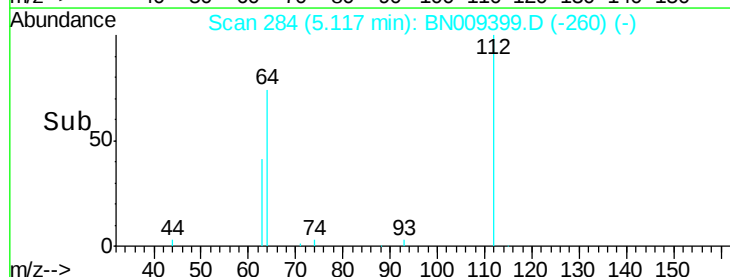
#4

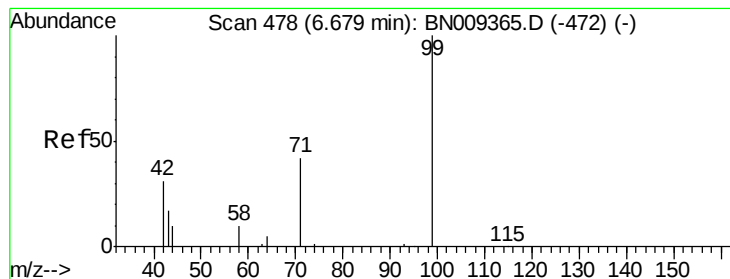
2-Fluorophenol  
Concen: 0.307 ng  
RT: 5.12 min Scan# 284  
Delta R.T. -0.01 min  
Lab File: BN009399.D  
Acq: 20 Jan 2020 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 75.6  | 61.5  | 92.3  |
| 63      | 44.9  | 35.0  | 52.4  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.302 ng

RT: 6.68 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Instrument :

BNA\_N

ClientSampleId :

PB125980BL

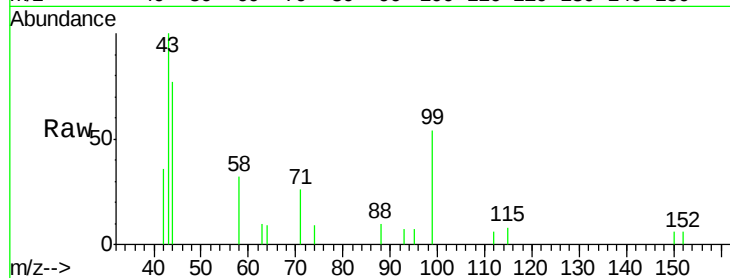
Tot Ion: 99 Resp: 1121

Ion Ratio Lower Upper

99 100

42 37.8 27.6 41.4

71 44.9 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009365.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009365.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009365.D (-472) (-)

6.68

400

300

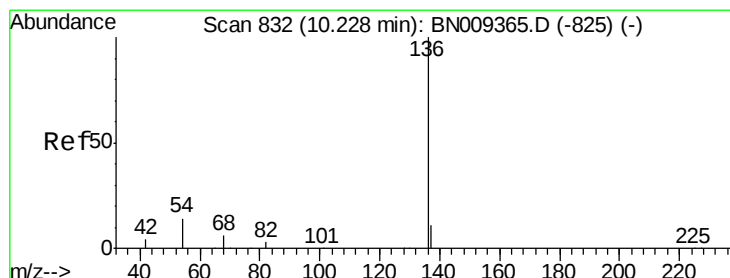
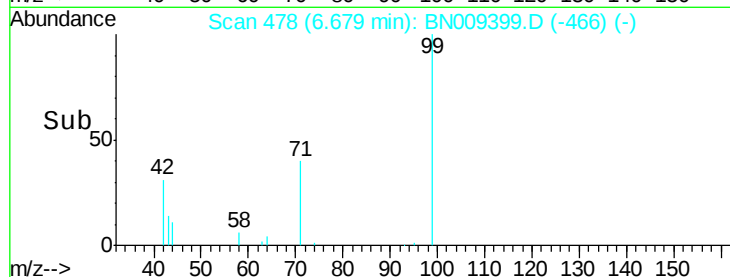
200

100

0

6.60 6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Tgt Ion: 136 Resp: 4438

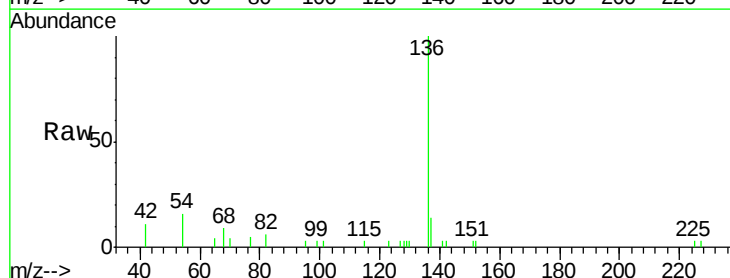
Ion Ratio Lower Upper

136 100

137 13.6 10.3 15.5

54 16.1 12.6 19.0

68 8.7 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BN009365.D (-825) (-)

Ion 137.00 (136.70 to 137.70): BN009365.D (-825) (-)

Ion 54.00 (53.70 to 54.70): BN009365.D (-825) (-)

Ion 68.00 (67.70 to 68.70): BN009365.D (-825) (-)

10.23

2500

2000

1500

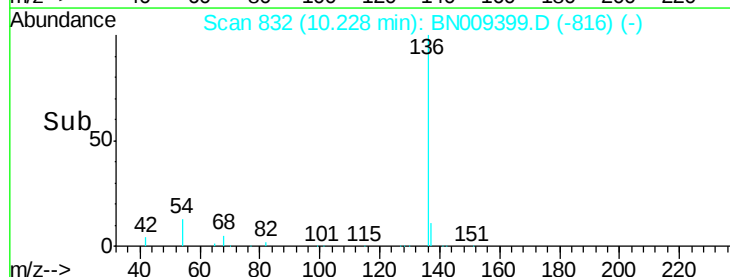
1000

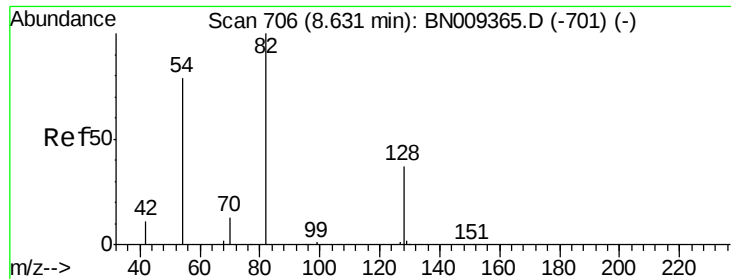
500

0

10.10 10.20 10.30 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.279 ng

RT: 8.63 min Scan# 706

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Instrument :

BNA\_N

ClientSampleId :

PB125980BL

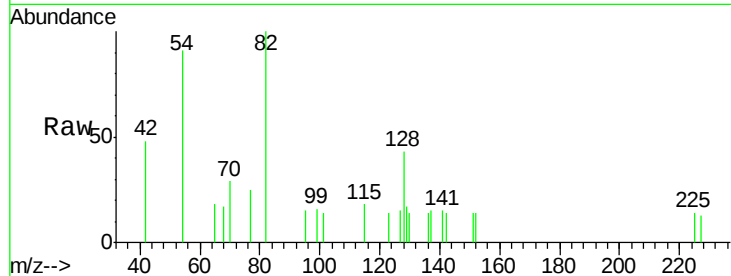
Tot Ion: 82 Resp: 988

Ion Ratio Lower Upper

82 100

128 43.5 34.8 52.2

54 90.8 65.8 98.6



Abundance Ion 82.00 (81.70 to 82.70): BN009365.D (-701) (-)

Ion 128.00 (127.70 to 128.70): BN009365.D (-701) (-)

Ion 54.00 (53.70 to 54.70): BN009365.D (-701) (-)

8.63

400

300

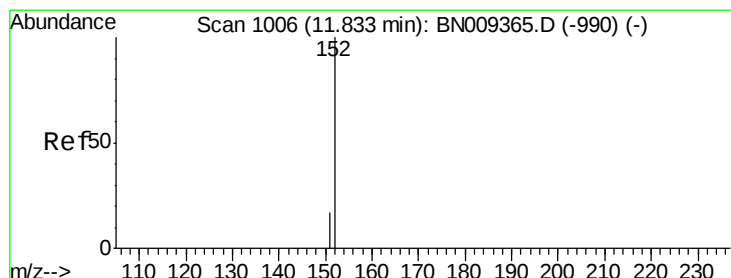
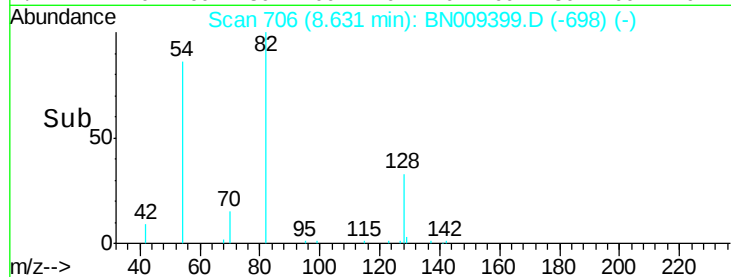
200

100

0

8.50 8.60 8.70 8.80

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.277 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BN009399.D

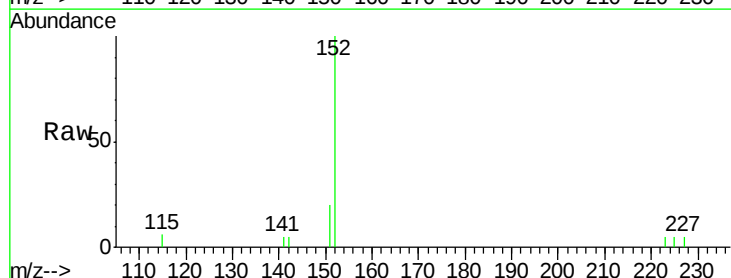
Acq: 20 Jan 2020 12:38

Tgt Ion: 152 Resp: 2371

Ion Ratio Lower Upper

152 100

151 17.9 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): BN009365.D (-990) (-)

Ion 151.00 (150.70 to 151.70): BN009365.D (-990) (-)

11.83

1000

800

600

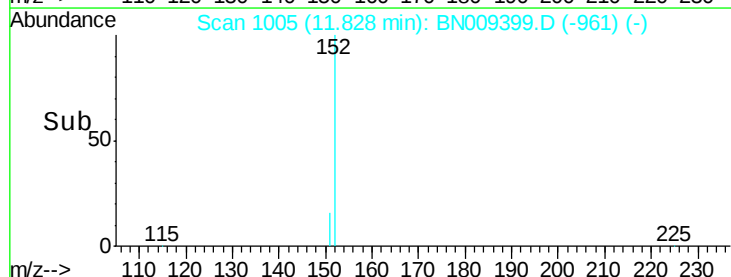
400

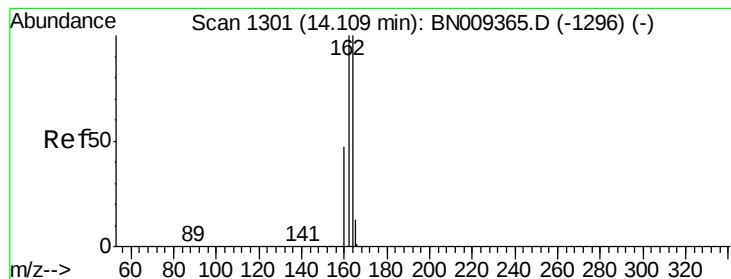
200

0

11.80 12.00

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Instrument :

BNA\_N

ClientSampleId :

PB125980BL

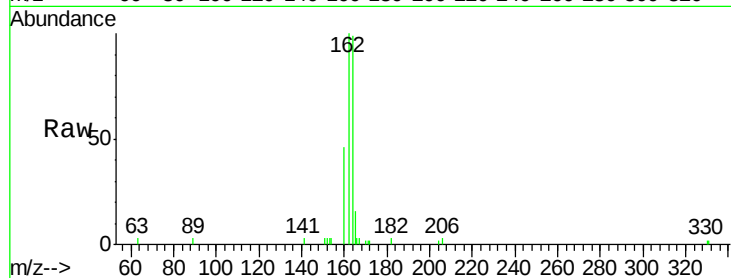
Tot Ion:164 Resp: 2952

Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.6

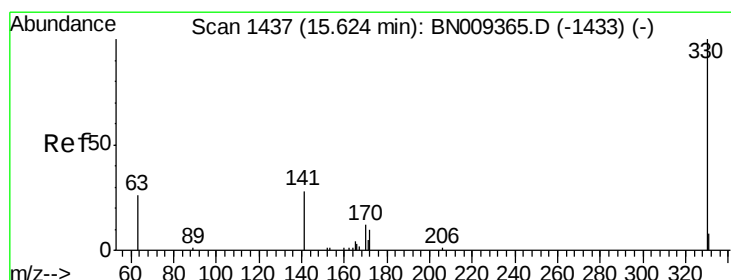
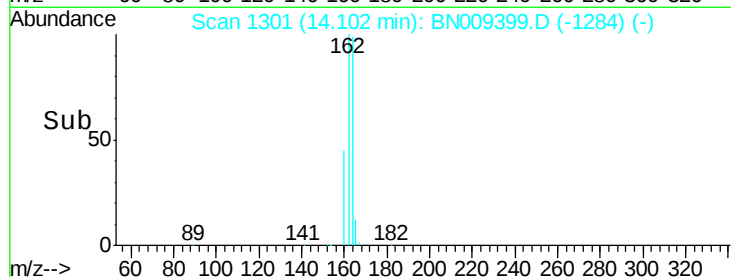
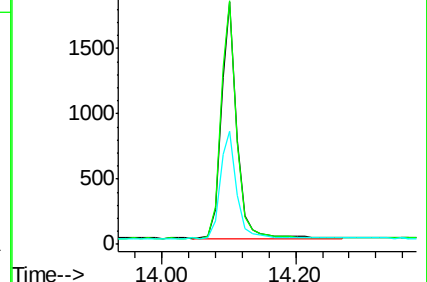
160 46.6 38.4 57.6



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: 0.227 ng

RT: 15.62 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

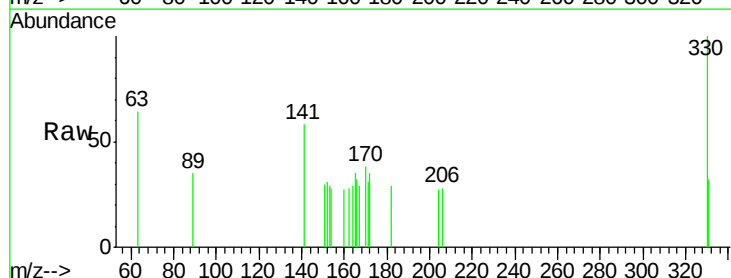
Tgt Ion:330 Resp: 253

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

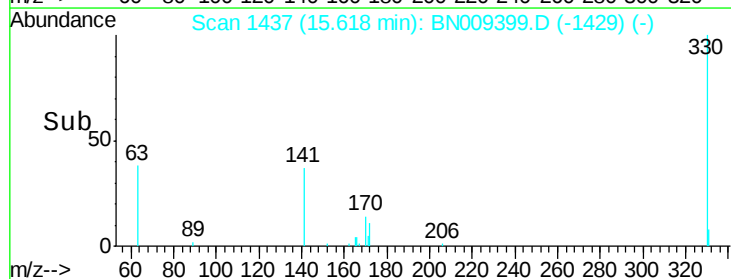
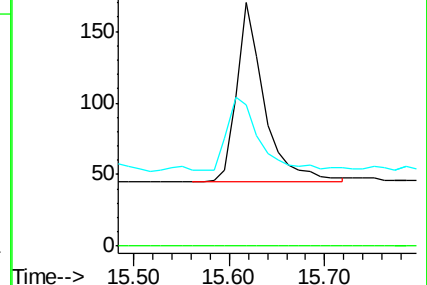
141 47.4 33.1 49.7

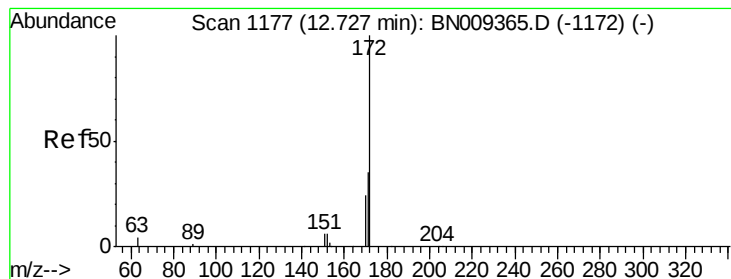


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

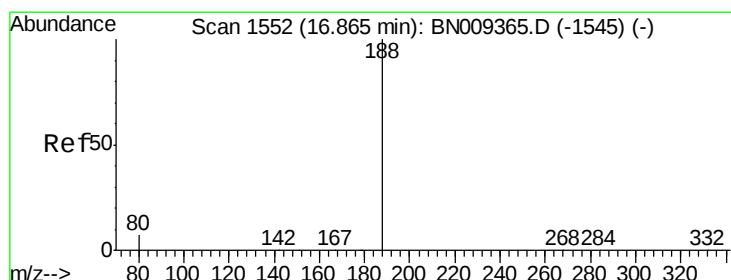
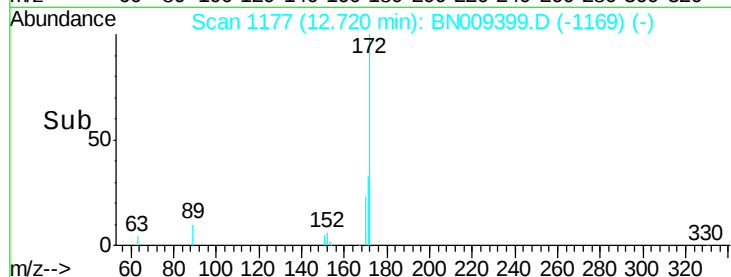
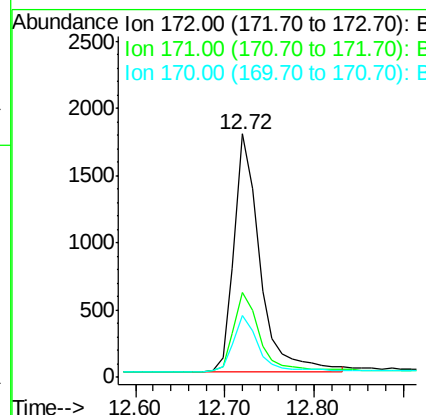
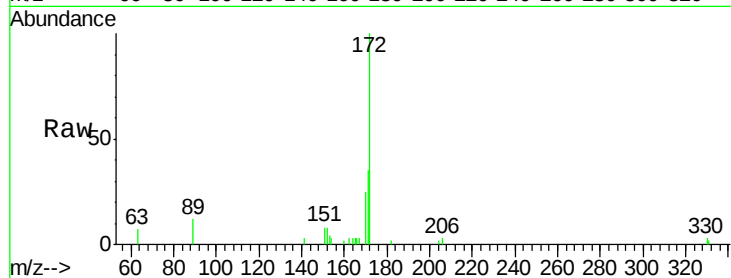




#15  
2-Fluorobiphenyl  
Concen: 0.321 ng  
RT: 12.72 min Scan# 1177  
Delta R.T. -0.01 min  
Lab File: BN009399.D  
Acq: 20 Jan 2020 12:38

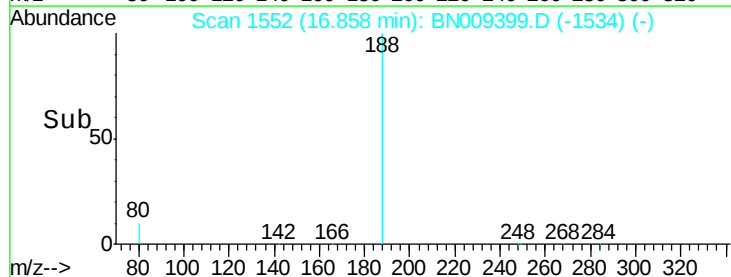
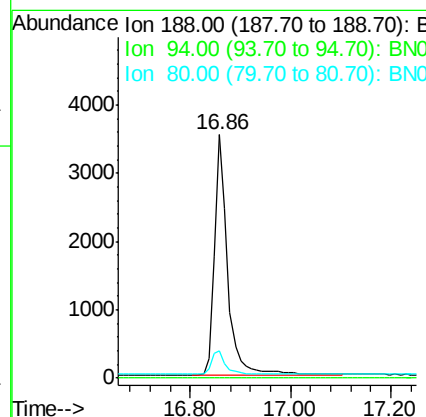
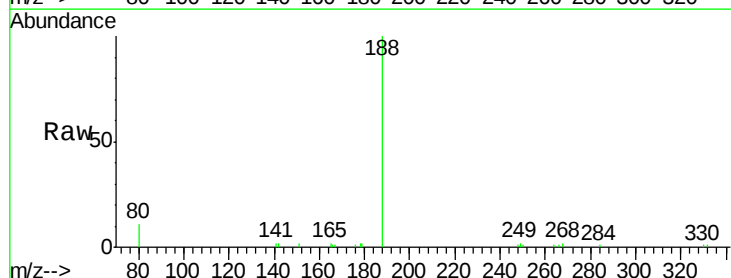
Instrument :  
BNA\_N  
ClientSampleId :  
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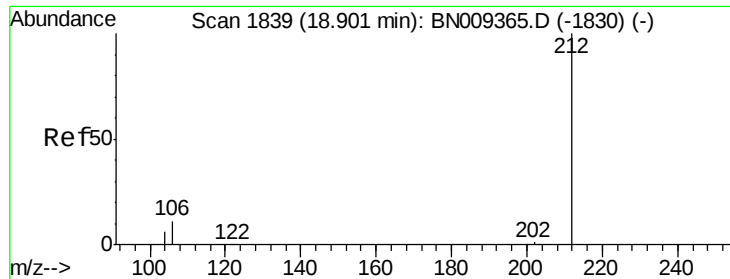
Tot Ion:172 Resp: 3546  
Ion Ratio Lower Upper  
172 100  
171 35.1 29.5 44.3  
170 25.3 20.7 31.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.86 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BN009399.D  
Acq: 20 Jan 2020 12:38

Tgt Ion:188 Resp: 6540  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.1 6.6 10.0#





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 18.90 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Instrument :

BNA\_N

ClientSampleId :

PB125980BL

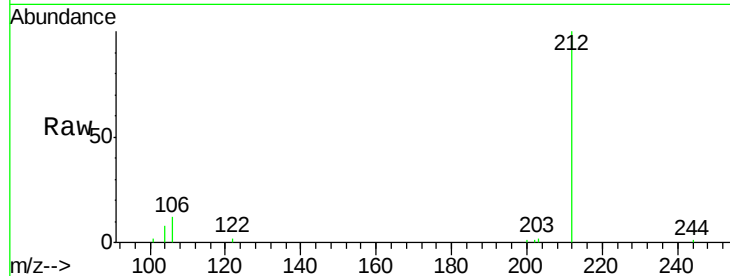
Tot Ion:212 Resp: 6224

Ion Ratio Lower Upper

212 100

106 11.7 9.2 13.8

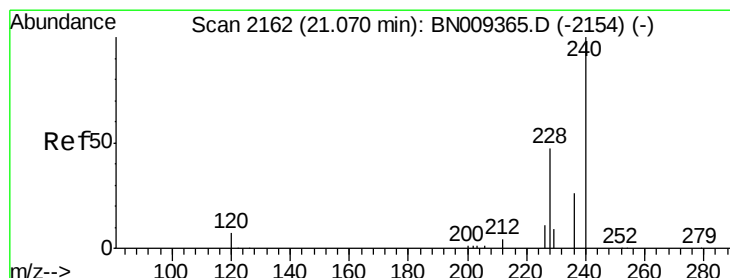
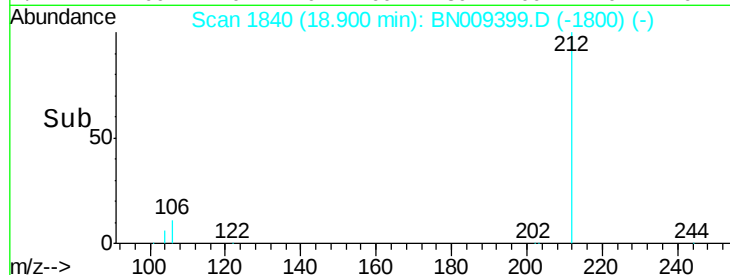
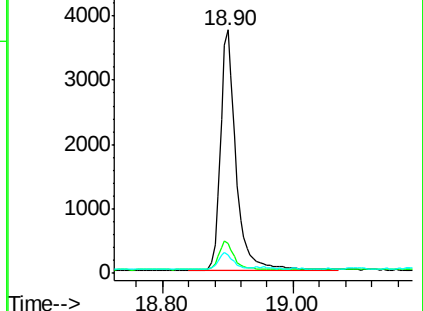
104 6.6 5.4 8.0



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: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

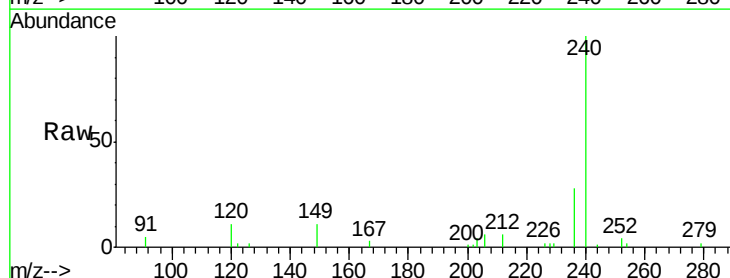
Tgt Ion:240 Resp: 6008

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

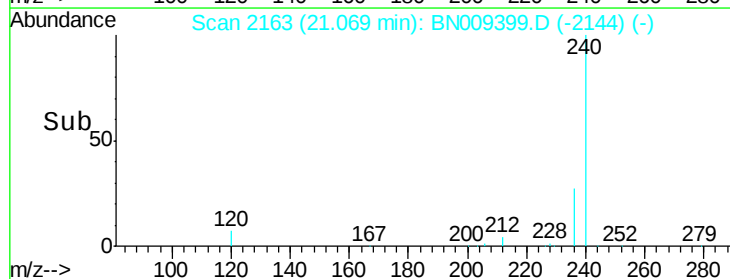
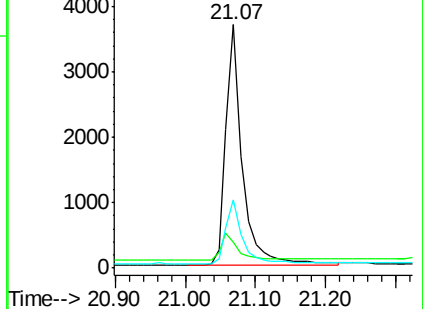
236 28.0 22.2 33.4

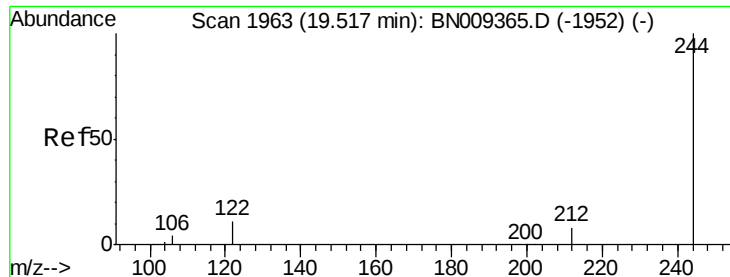


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.328 ng

RT: 19.51 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

Instrument :

BNA\_N

ClientSampleId :

PB125980BL

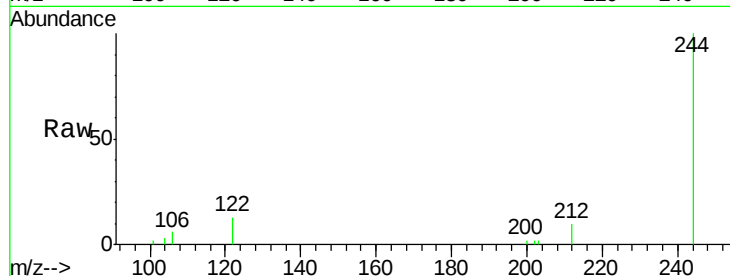
Tot Ion:244 Resp: 4672

Ion Ratio Lower Upper

244 100

212 9.5 7.5 11.3

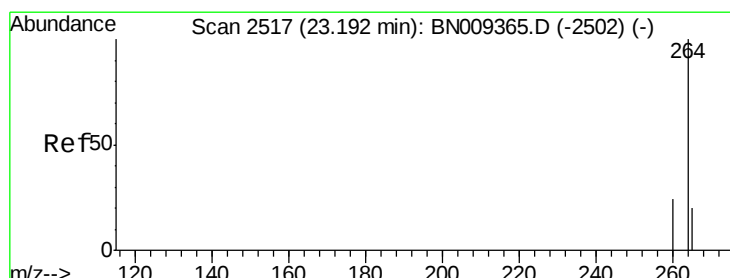
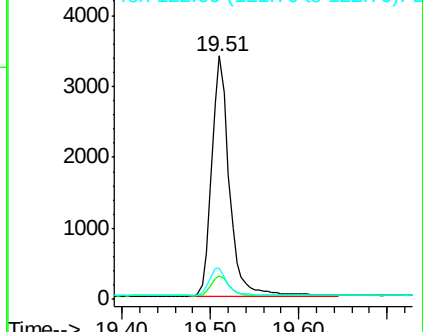
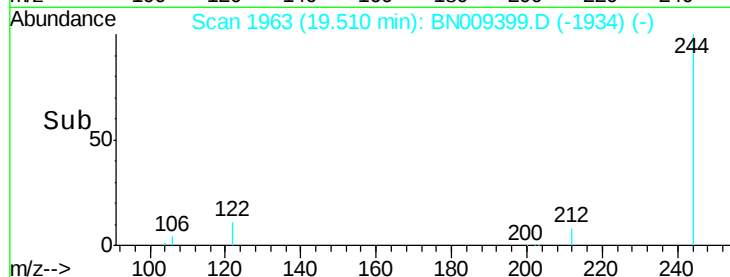
122 12.8 9.8 14.6



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: BN009399.D

Acq: 20 Jan 2020 12:38

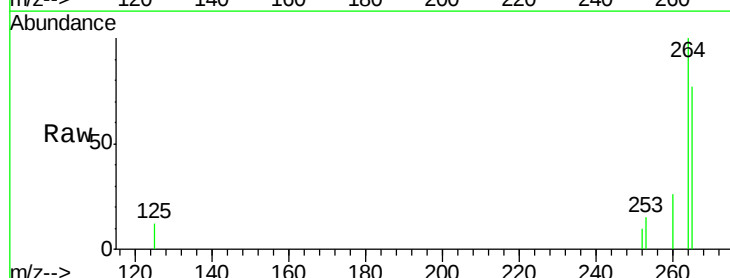
Tgt Ion:264 Resp: 6327

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 77.3 68.2 102.4



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

