

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011620\  
 Data File : BN009385.D  
 Acq On : 16 Jan 2020 15:23  
 Operator : JU  
 Sample : PB126056BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB126056BL

Quant Time: Jan 16 16:13:33 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 | 7.48  | 152  | 1638     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.23 | 136  | 5381     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.10 | 164  | 3445     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.86 | 188  | 7577     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.07 | 240  | 6894     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.19 | 264  | 7037     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.12  | 112  | 1162     | 0.31 | ng    | 0.00     |
| 5) Phenol-d6                | 6.68  | 99   | 1404     | 0.32 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.64  | 82   | 1227     | 0.29 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 11.83 | 152  | 2794     | 0.27 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.62 | 330  | 304      | 0.23 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.73 | 172  | 4156     | 0.32 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.90 | 212  | 7256     | 0.28 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.51 | 244  | 5419     | 0.33 | ng    | 0.00     |

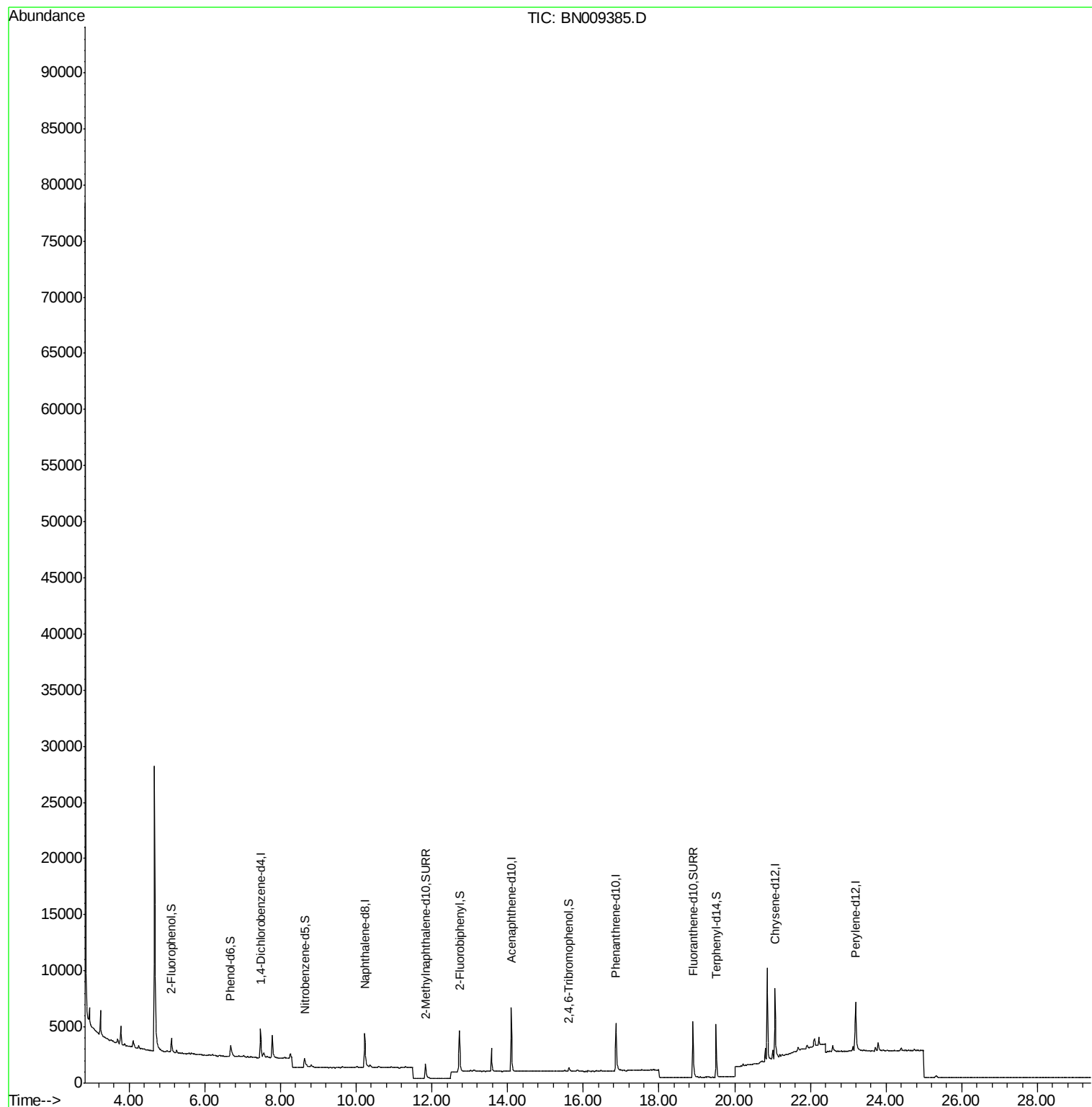
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

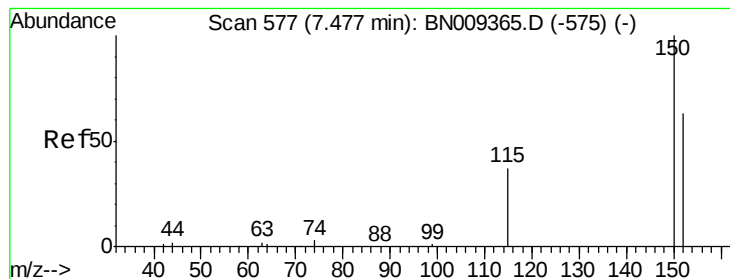
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 14 09:33:55 2020  
Response via : Initial Calibration



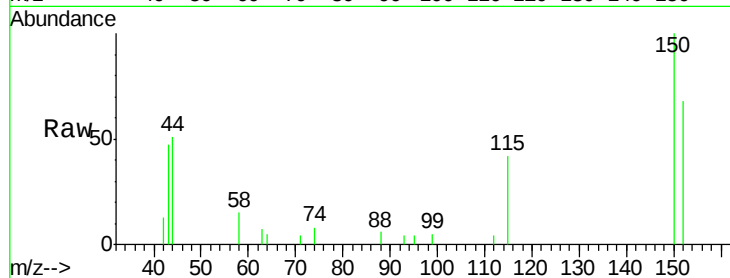


#1

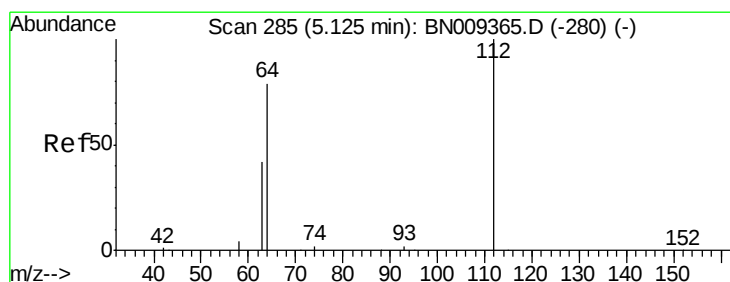
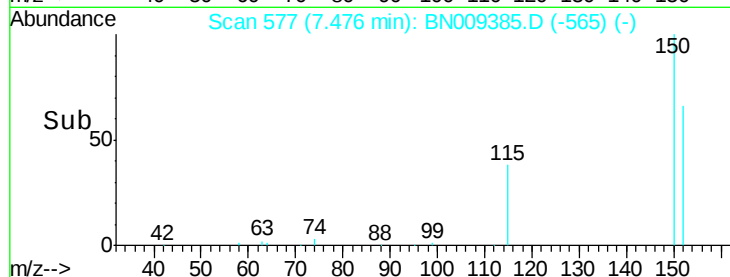
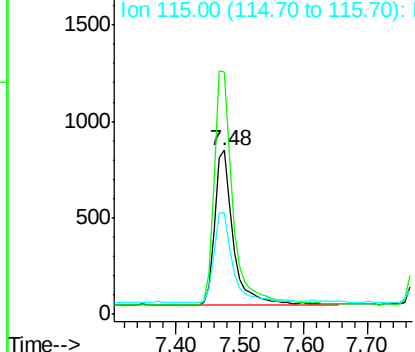
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.48 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BN009385.D  
Acq: 16 Jan 2020 15:23

Instrument :  
BNA\_N  
ClientSampleId :  
PB126056BL

Tot Ion:152 Resp: 1638  
Ion Ratio Lower Upper  
152 100  
150 147.5 125.7 188.5  
115 61.6 53.3 79.9



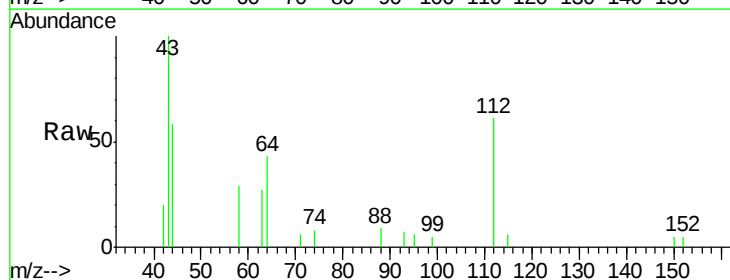
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



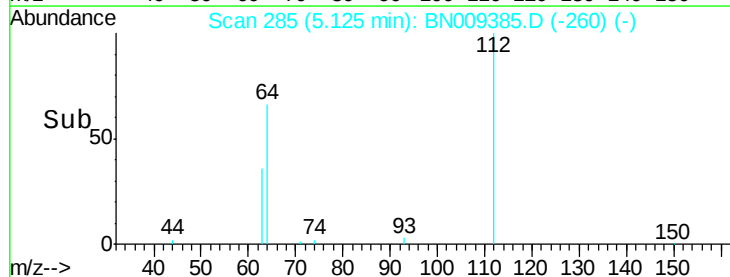
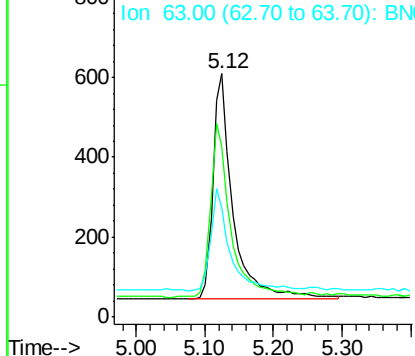
#4

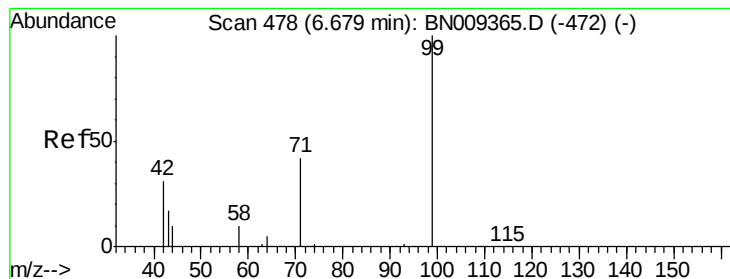
2-Fluorophenol  
Concen: 0.308 ng  
RT: 5.12 min Scan# 285  
Delta R.T. -0.00 min  
Lab File: BN009385.D  
Acq: 16 Jan 2020 15:23

Tgt Ion:112 Resp: 1162  
Ion Ratio Lower Upper  
112 100  
64 78.1 61.5 92.3  
63 44.2 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: 0.322 ng

RT: 6.68 min Scan# 478

Delta R.T. -0.00 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA\_N

ClientSampleId :

PB126056BL

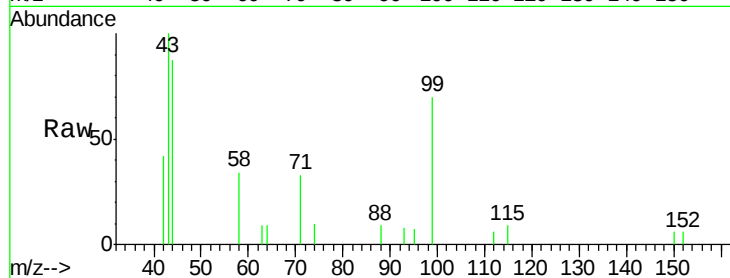
Tot Ion: 99 Resp: 1404

Ion Ratio Lower Upper

99 100

42 39.0 27.6 41.4

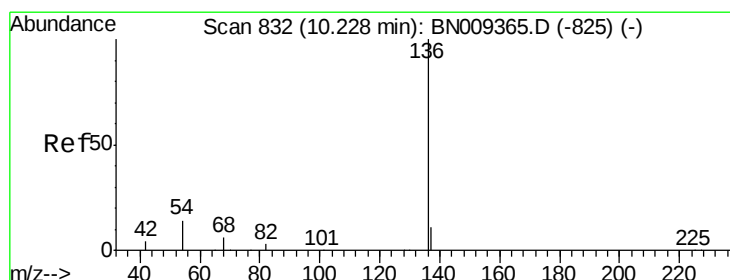
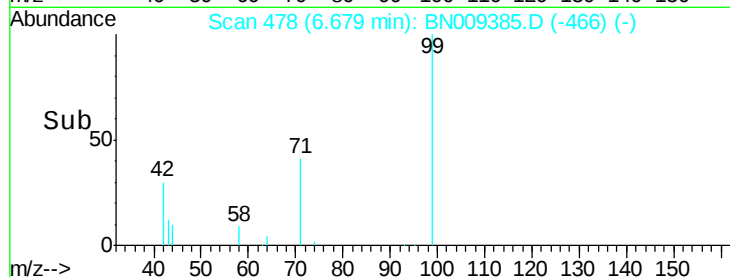
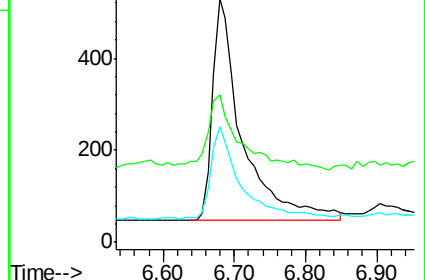
71 41.2 33.0 49.6



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.23 min Scan# 832

Delta R.T. -0.00 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Tgt Ion: 136 Resp: 5381

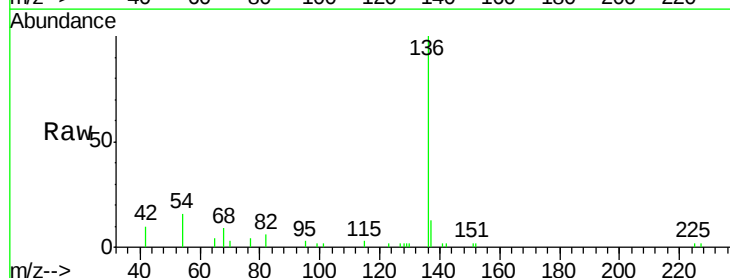
Ion Ratio Lower Upper

136 100

137 13.1 10.3 15.5

54 16.3 12.6 19.0

68 8.9 6.5 9.7

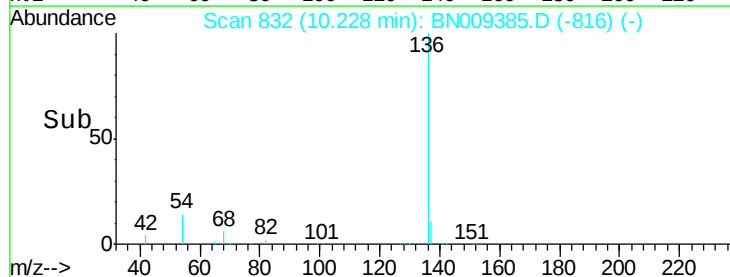
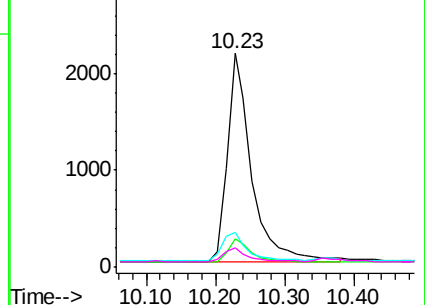


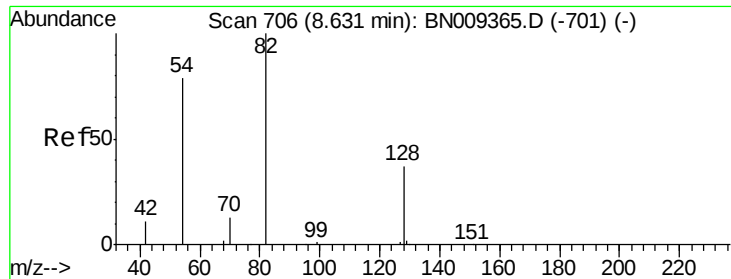
Abundance Ion 136.00 (135.70 to 136.70): BN009365.D (-825) (-)

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) (-)





#8

Nitrobenzene-d5

Concen: 0.286 ng

RT: 8.64 min Scan# 707

Delta R.T. 0.01 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA\_N

ClientSampleId :

PB126056BL

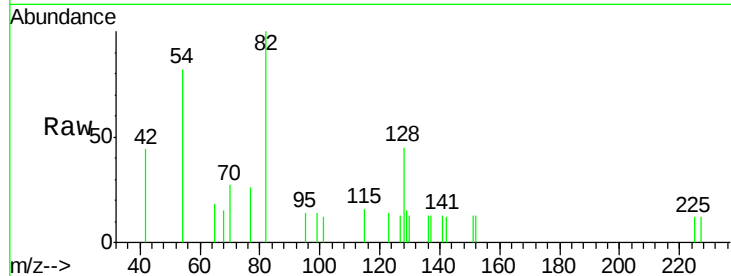
Tot Ion: 82 Resp: 1227

Ion Ratio Lower Upper

82 100

128 44.9 34.8 52.2

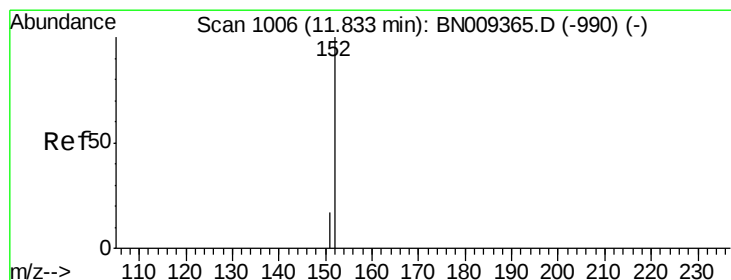
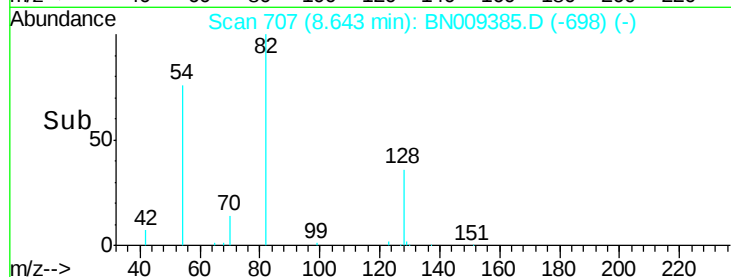
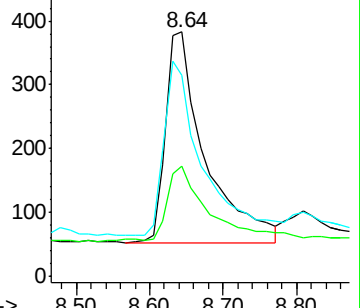
54 82.2 65.8 98.6



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) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.269 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN009385.D

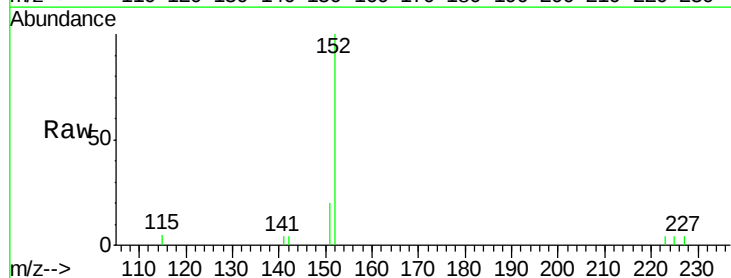
Acq: 16 Jan 2020 15:23

Tgt Ion: 152 Resp: 2794

Ion Ratio Lower Upper

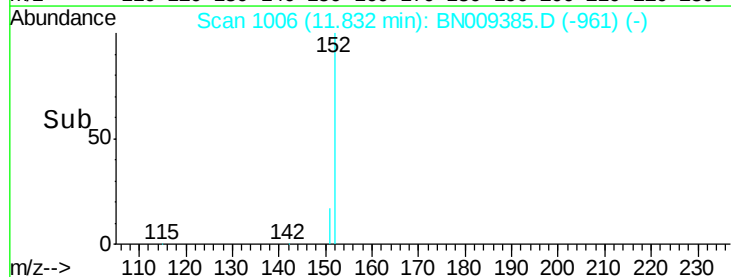
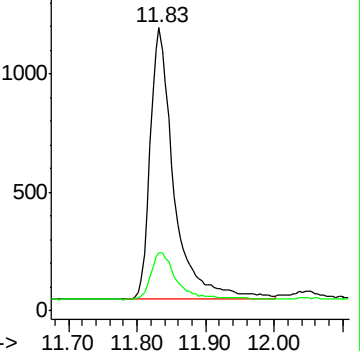
152 100

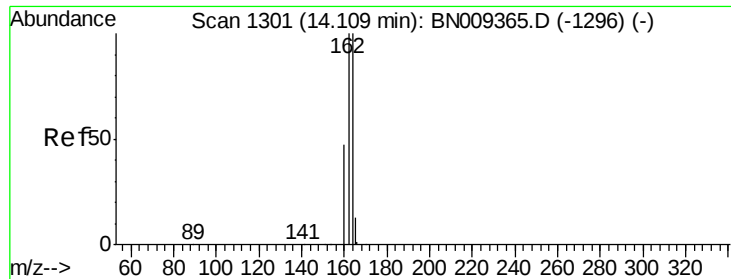
151 18.3 14.8 22.2



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

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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA\_N

ClientSampleId :

PB126056BL

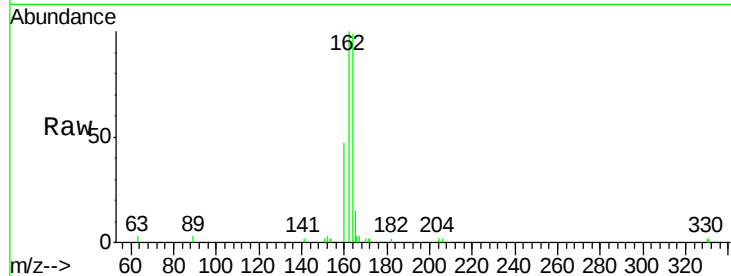
Tot Ion:164 Resp: 3445

Ion Ratio Lower Upper

164 100

162 101.2 79.8 119.6

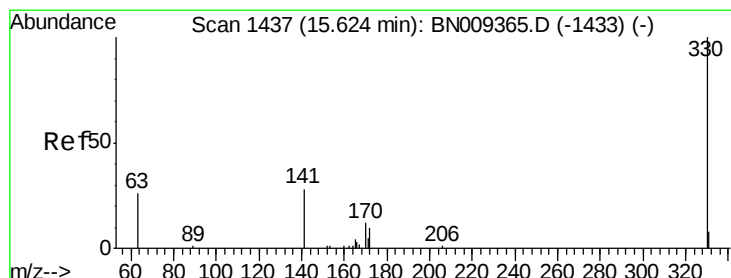
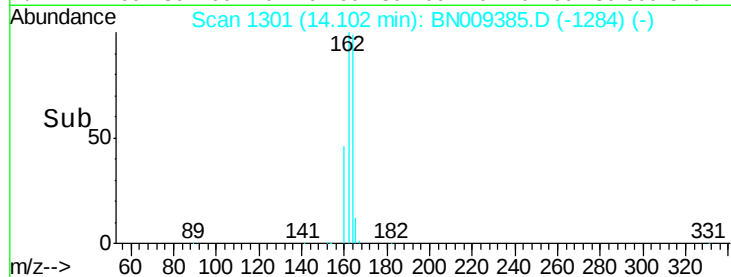
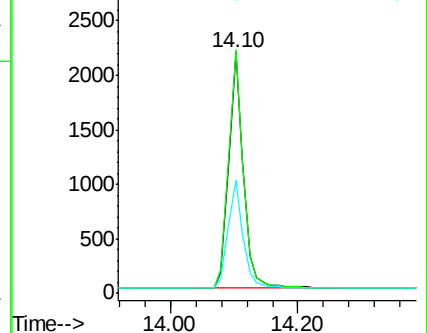
160 47.2 38.4 57.6



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: 0.233 ng

RT: 15.62 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

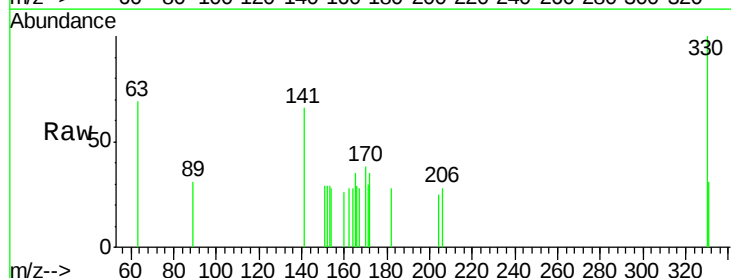
Tgt Ion:330 Resp: 304

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

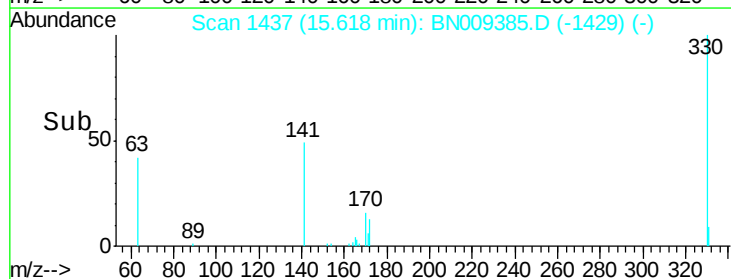
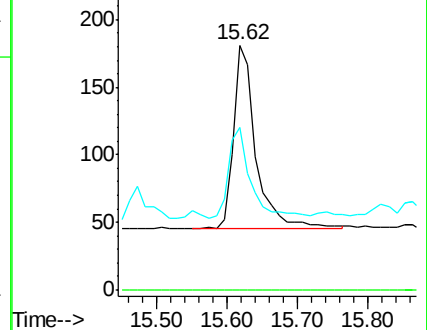
141 49.3 33.1 49.7

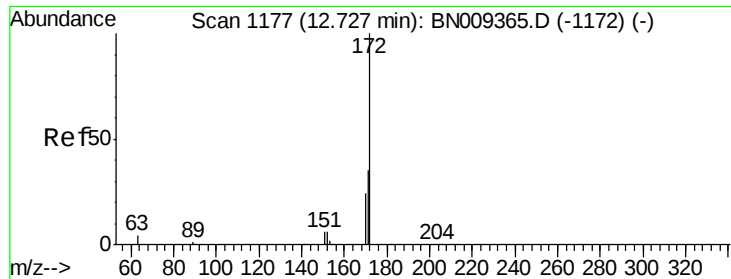


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

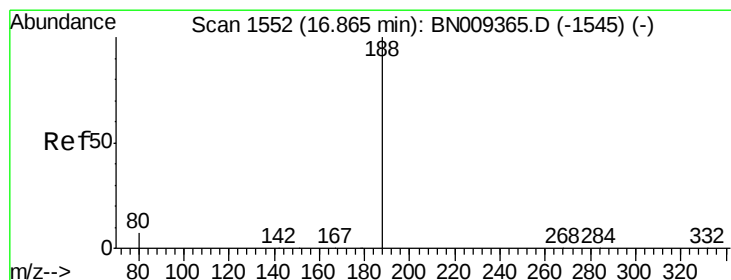
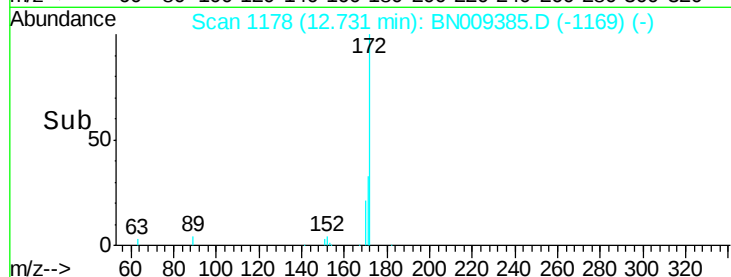
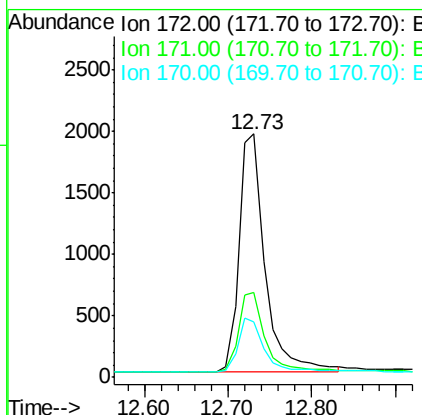
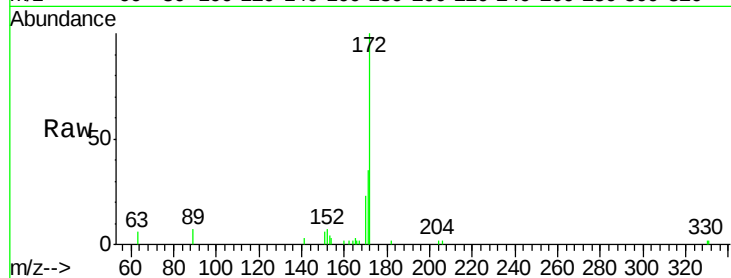




#15  
2-Fluorobiphenyl  
Concen: 0.322 ng  
RT: 12.73 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: BN009385.D  
Acq: 16 Jan 2020 15:23

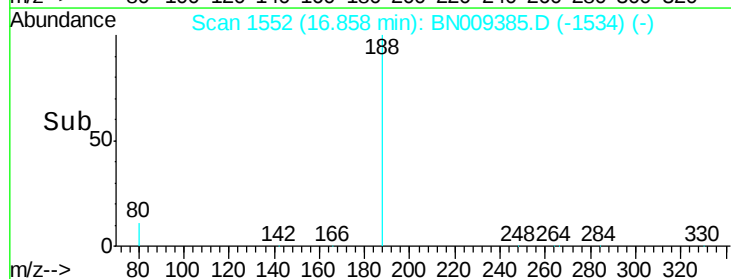
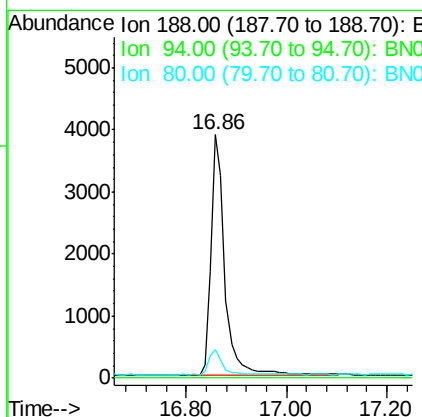
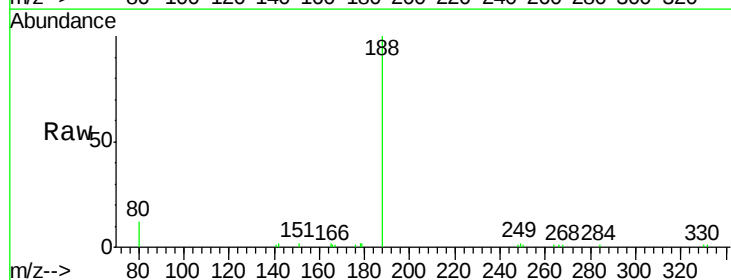
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ClientSampleId :  
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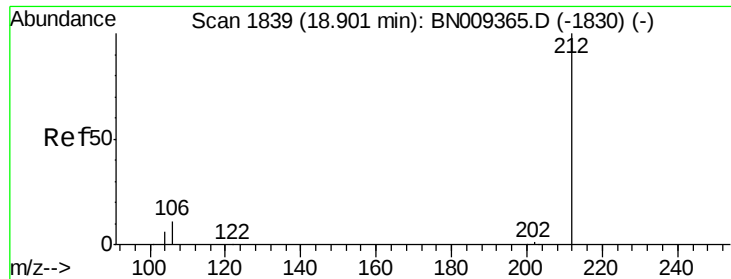
Tot Ion:172 Resp: 4156  
Ion Ratio Lower Upper  
172 100  
171 34.7 29.5 44.3  
170 22.9 20.7 31.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.86 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BN009385.D  
Acq: 16 Jan 2020 15:23

Tgt Ion:188 Resp: 7577  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.9 6.6 10.0#





#25

Fluoranthene-d10

Concen: 0.279 ng

RT: 18.90 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA\_N

ClientSampleId :

PB126056BL

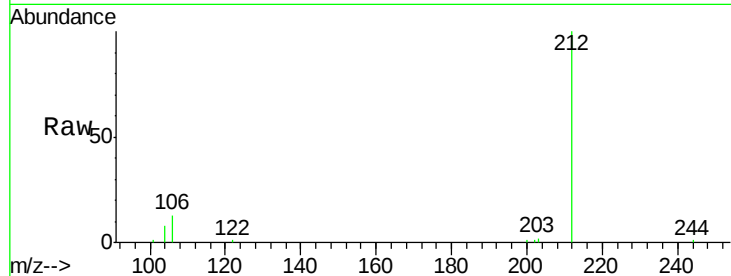
Tot Ion:212 Resp: 7256

Ion Ratio Lower Upper

212 100

106 11.8 9.2 13.8

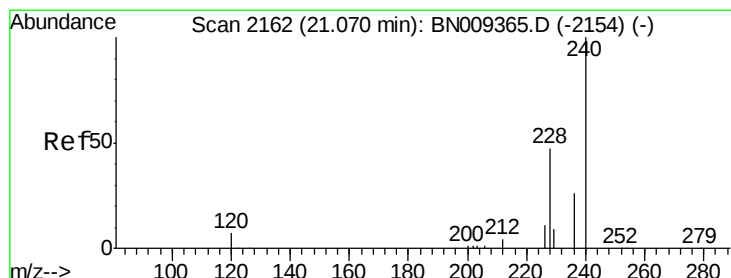
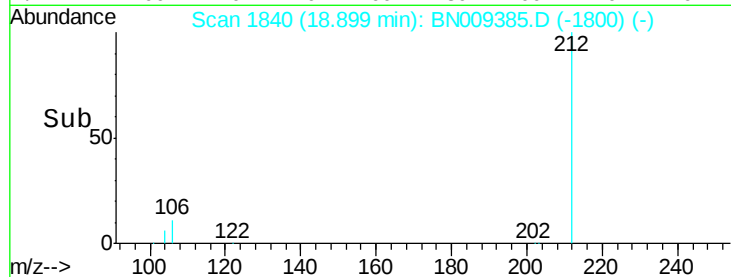
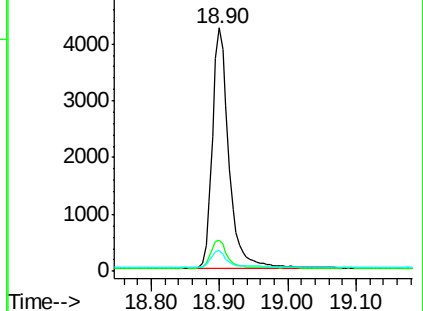
104 6.4 5.4 8.0



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: BN009385.D

Acq: 16 Jan 2020 15:23

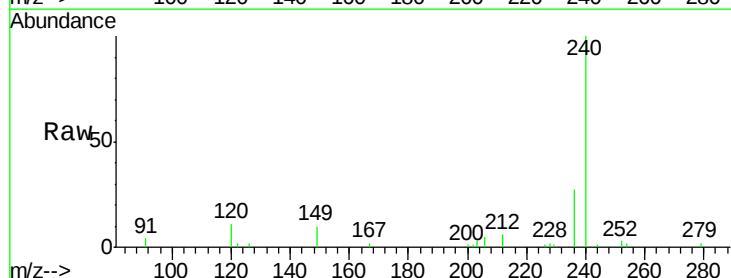
Tgt Ion:240 Resp: 6894

Ion Ratio Lower Upper

240 100

120 11.4 8.1 12.1

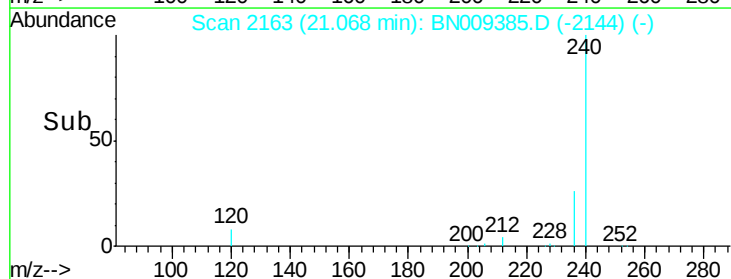
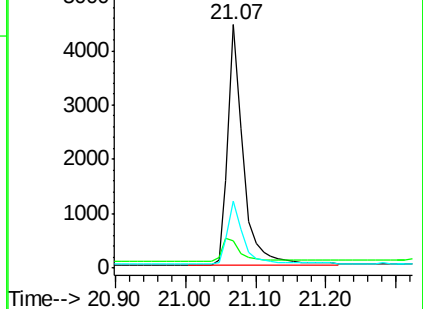
236 27.4 22.2 33.4

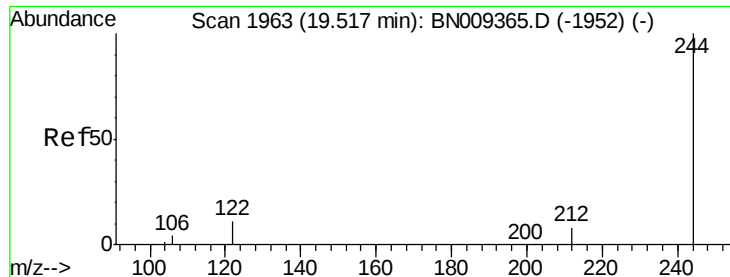


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.332 ng

RT: 19.51 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

Instrument :

BNA\_N

ClientSampleId :

PB126056BL

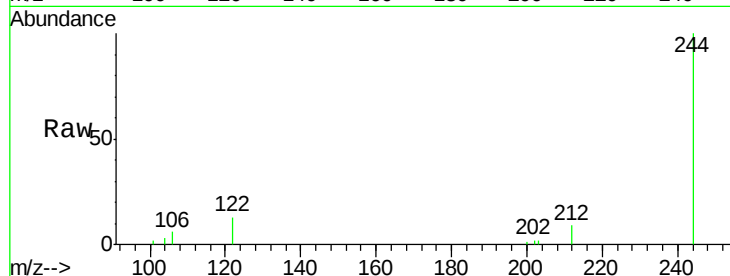
Tot Ion:244 Resp: 5419

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

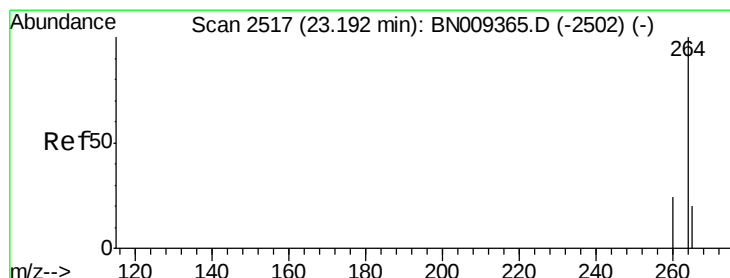
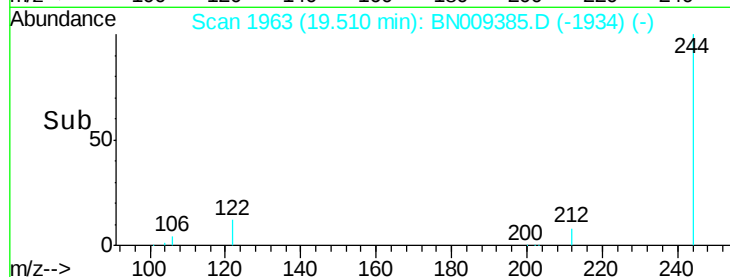
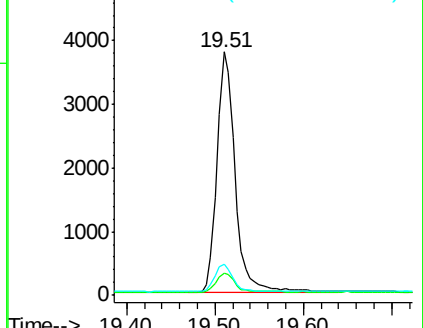
122 13.0 9.8 14.6



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# 2519

Delta R.T. 0.00 min

Lab File: BN009385.D

Acq: 16 Jan 2020 15:23

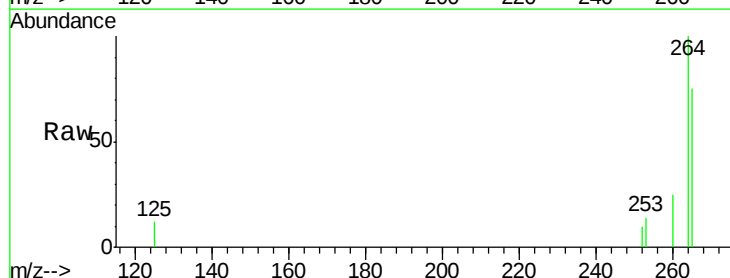
Tgt Ion:264 Resp: 7037

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 75.4 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

