

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\  
 Data File : BN004856.D  
 Acq On : 21 Mar 2019 18:48  
 Operator : JU/SJ  
 Sample : PB117788BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB117788BL

Quant Time: Mar 22 02:01:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 20 16:06:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 2119     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.49 | 136  | 8958     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.34 | 164  | 5868     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.10 | 188  | 16407    | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.29 | 240  | 21538    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.55 | 264  | 24708    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.30  | 112  | 1327     | 0.23 | ng    | 0.00     |
| 5) Phenol-d6                | 6.90  | 99   | 1462     | 0.20 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 8.88  | 82   | 1049     | 0.18 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.09 | 152  | 3192     | 0.20 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.86 | 330  | 613      | 0.15 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.96 | 172  | 5117     | 0.21 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.14 | 212  | 11311    | 0.21 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.73 | 244  | 9431     | 0.21 | ng    | 0.00     |

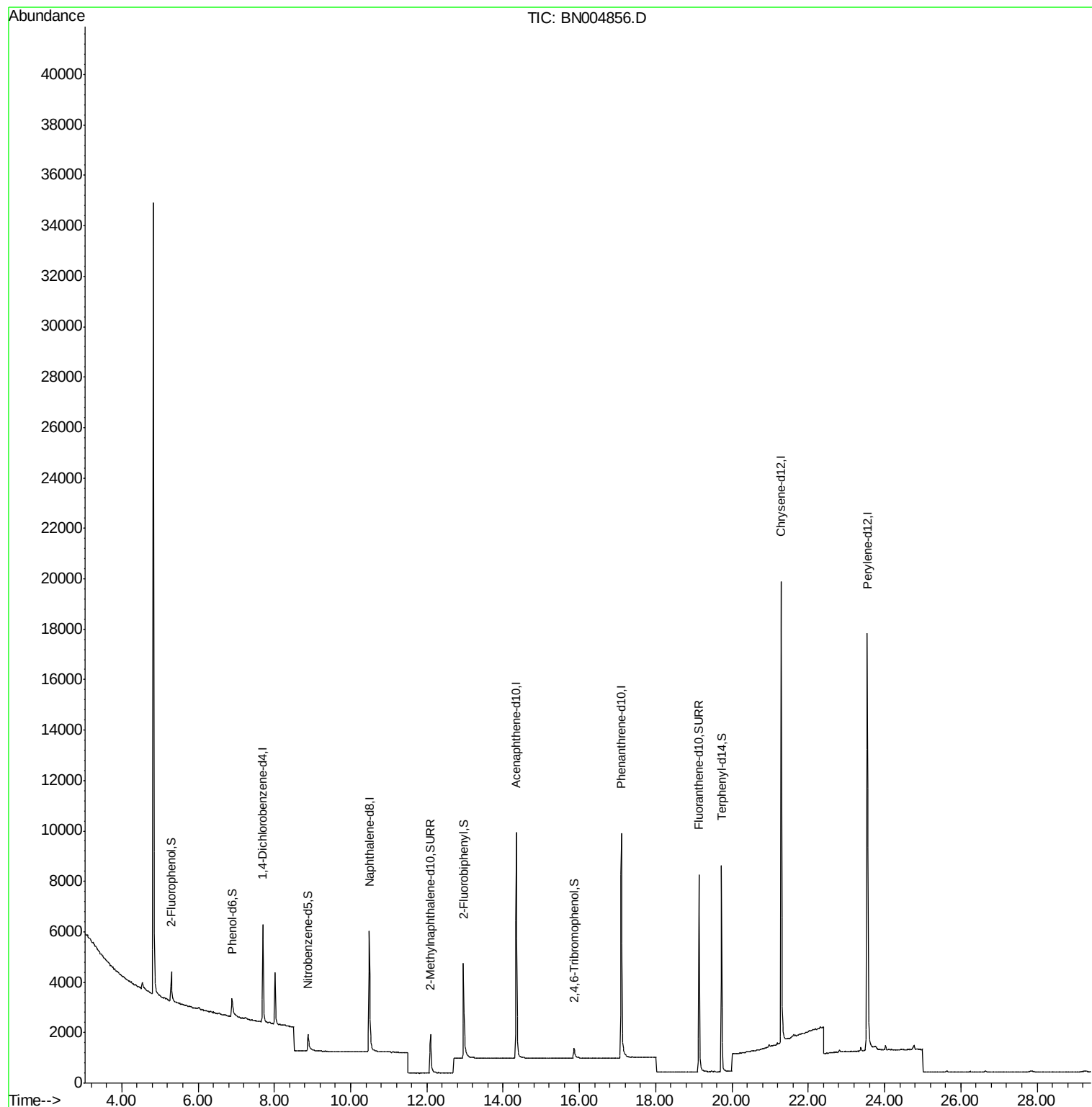
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

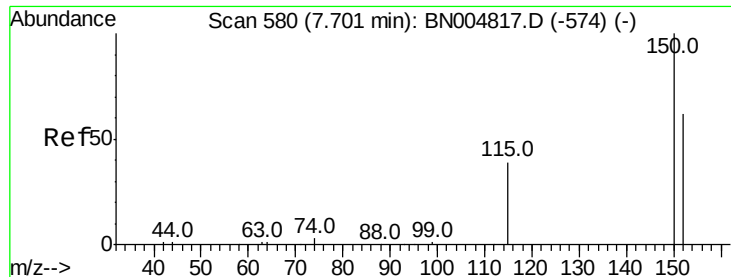
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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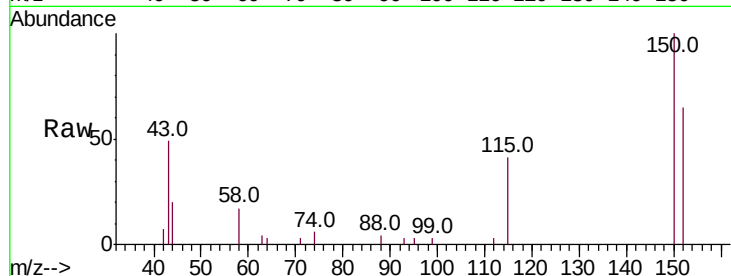


#1

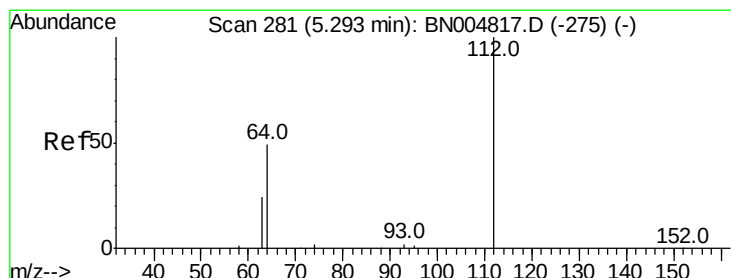
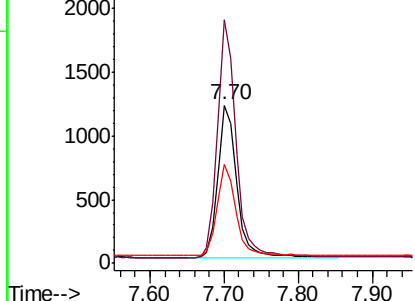
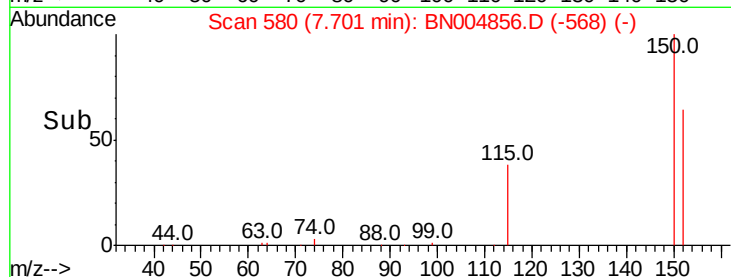
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 580  
Delta R.T. 0.00 min  
Lab File: BN004856.D  
Acq: 21 Mar 2019 18:48

Instrument :  
BNA\_N  
ClientSampleId :  
PB117788BL

Tot Ion:152 Resp: 2119  
Ion Ratio Lower Upper  
152 100  
150 154.2 126.2 189.4  
115 62.5 52.6 79.0



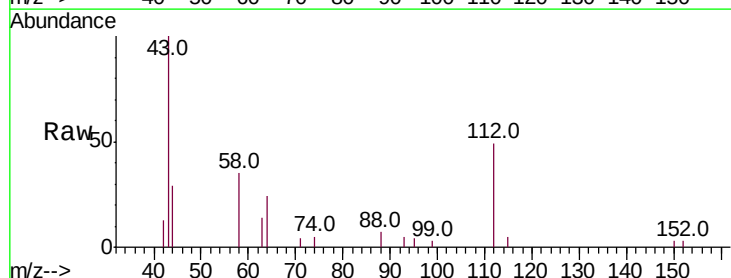
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



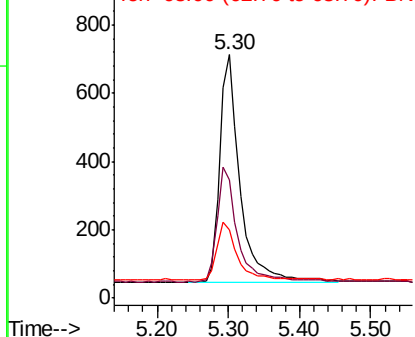
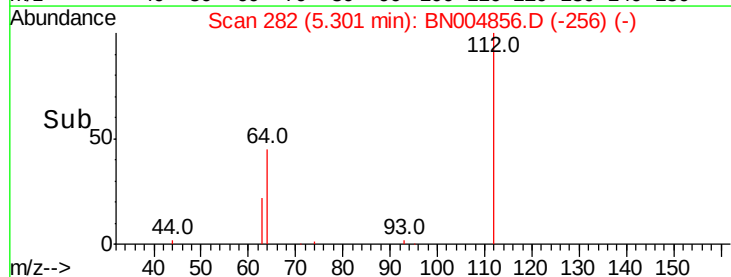
#4

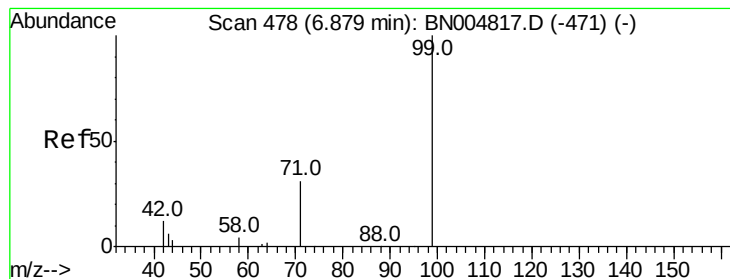
2-Fluorophenol  
Concen: 0.230 ng  
RT: 5.30 min Scan# 282  
Delta R.T. 0.01 min  
Lab File: BN004856.D  
Acq: 21 Mar 2019 18:48

Tgt Ion:112 Resp: 1327  
Ion Ratio Lower Upper  
112 100  
64 49.9 40.0 60.0  
63 25.7 20.2 30.2



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: 0.204 ng

RT: 6.90 min Scan# 480

Delta R.T. 0.02 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

Instrument :

BNA\_N

ClientSampleId :

PB117788BL

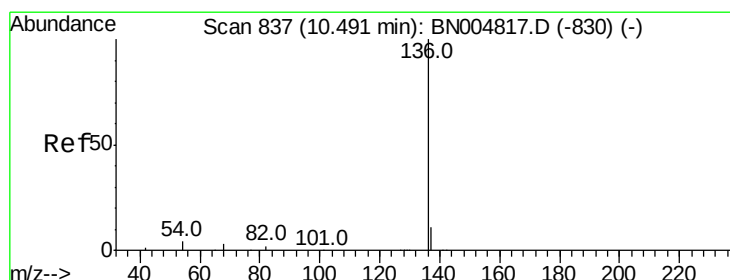
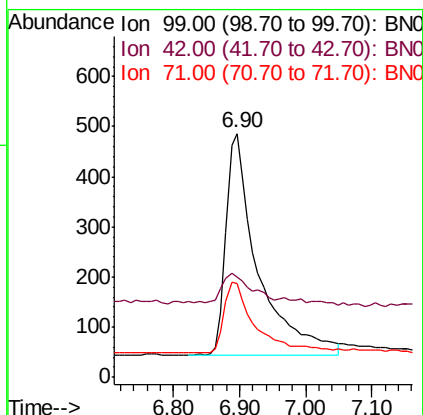
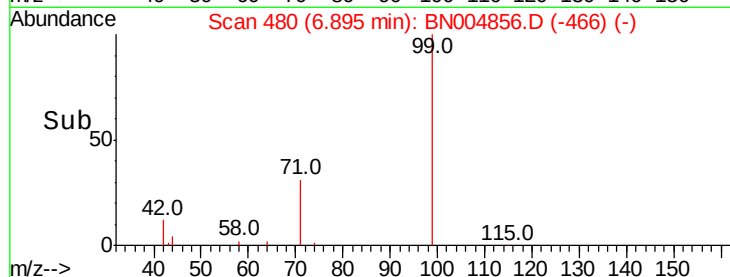
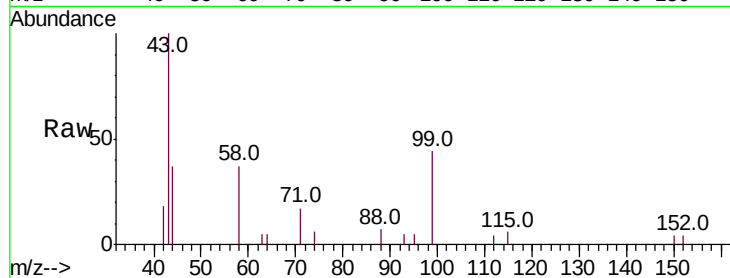
Tot Ion: 99 Resp: 1462

Ion Ratio Lower Upper

99 100

42 11.6 12.7 19.1#

71 32.4 26.6 40.0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

Tgt Ion: 136 Resp: 8958

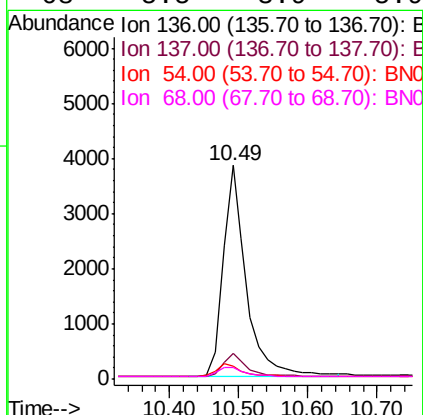
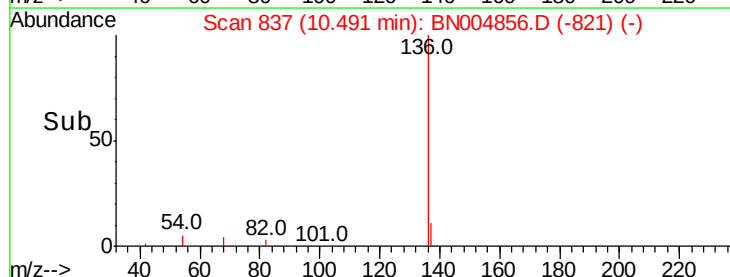
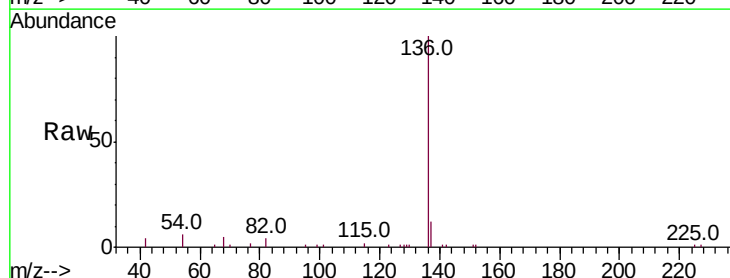
Ion Ratio Lower Upper

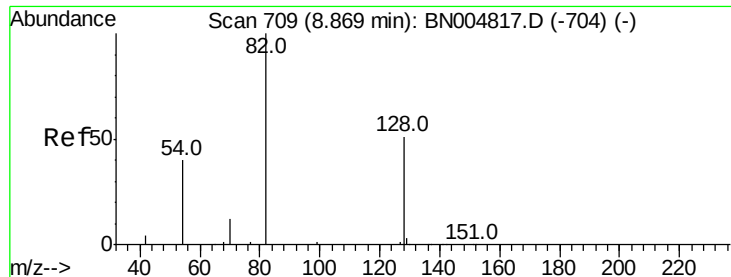
136 100

137 12.1 9.6 14.4

54 6.2 4.2 6.2#

68 5.5 3.9 5.9





#8

Nitrobenzene-d5

Concen: 0.177 ng

RT: 8.88 min Scan# 710

Delta R.T. 0.01 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

Instrument :

BNA\_N

ClientSampleId :

PB117788BL

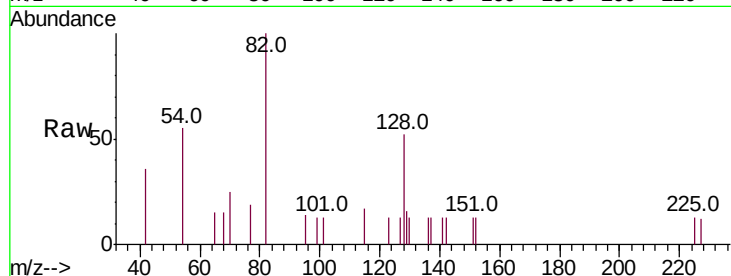
Tot Ion: 82 Resp: 1049

Ion Ratio Lower Upper

82 100

128 52.2 43.0 64.6

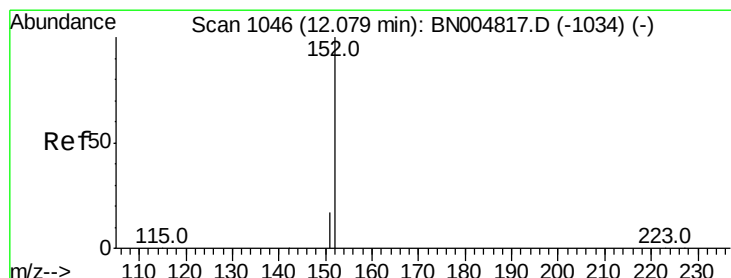
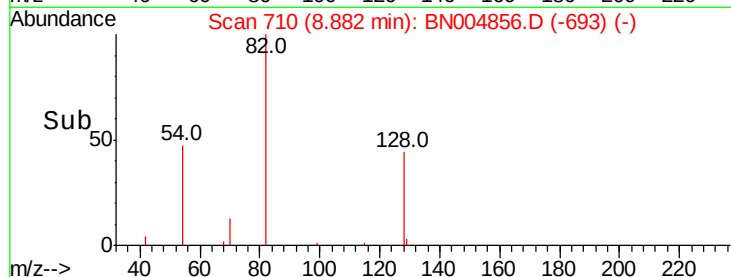
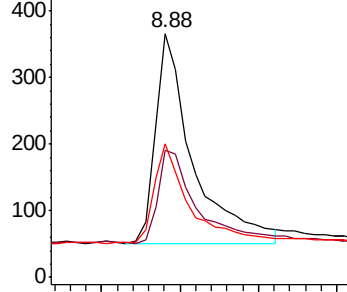
54 54.6 35.3 52.9#



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.204 ng

RT: 12.09 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BN004856.D

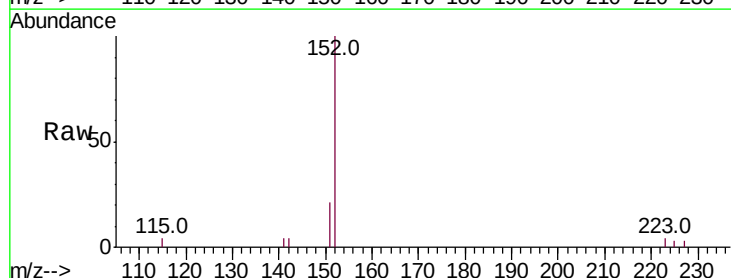
Acq: 21 Mar 2019 18:48

Tgt Ion: 152 Resp: 3192

Ion Ratio Lower Upper

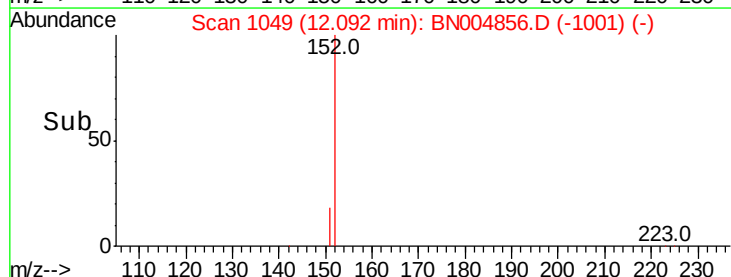
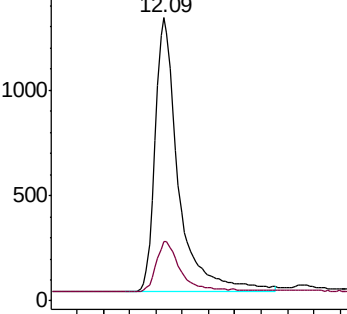
152 100

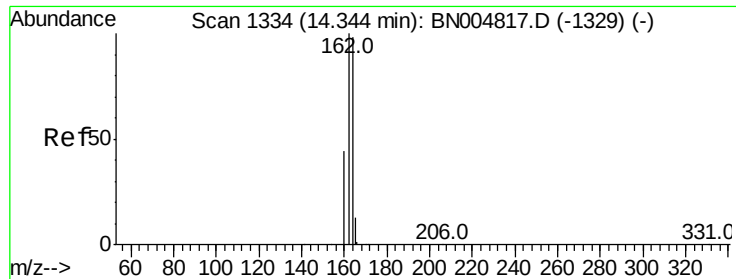
151 19.1 15.5 23.3



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: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

Instrument :

BNA\_N

ClientSampleId :

PB117788BL

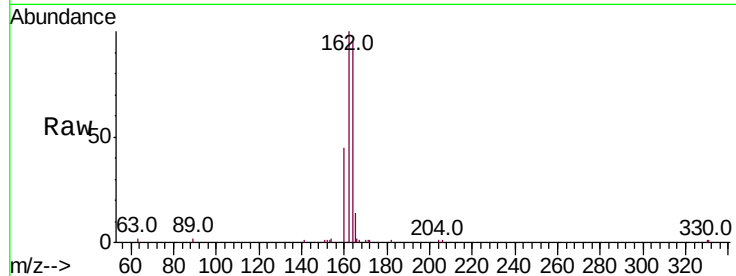
Tot Ion:164 Resp: 5868

Ion Ratio Lower Upper

164 100

162 105.7 81.9 122.9

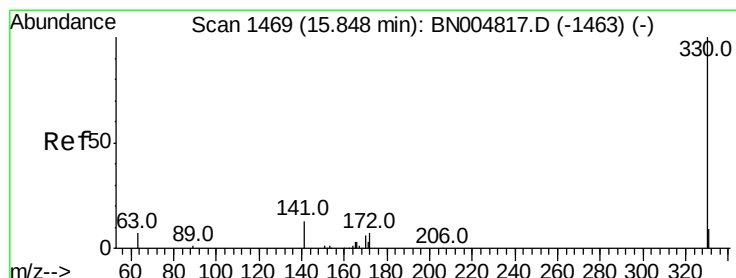
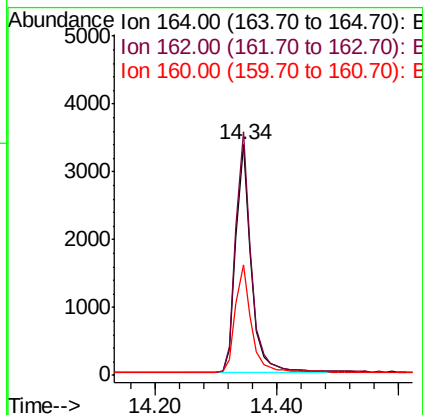
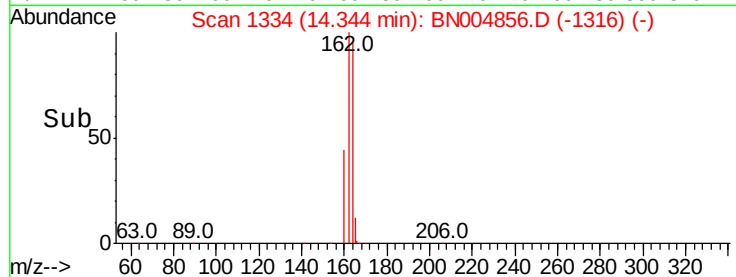
160 47.8 36.6 54.8



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: 0.151 ng

RT: 15.86 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

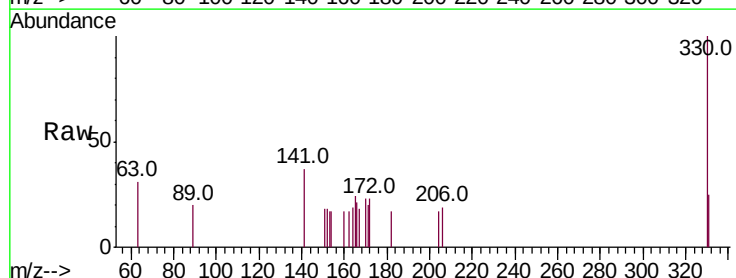
Tgt Ion:330 Resp: 613

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

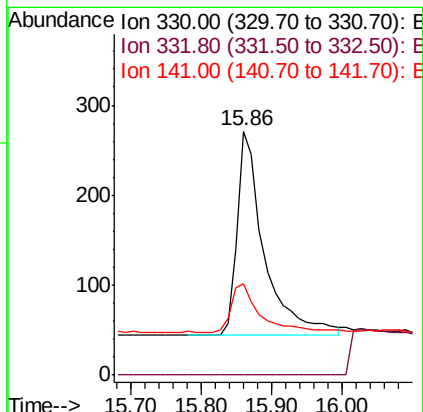
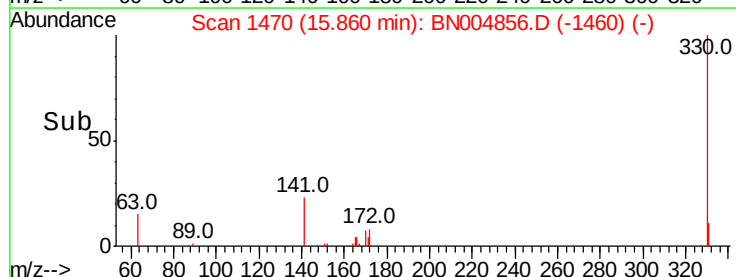
141 25.8 20.9 31.3

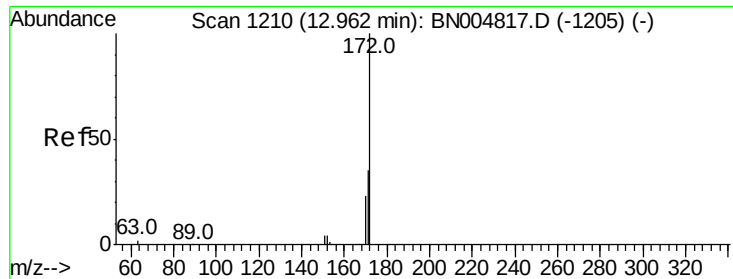


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

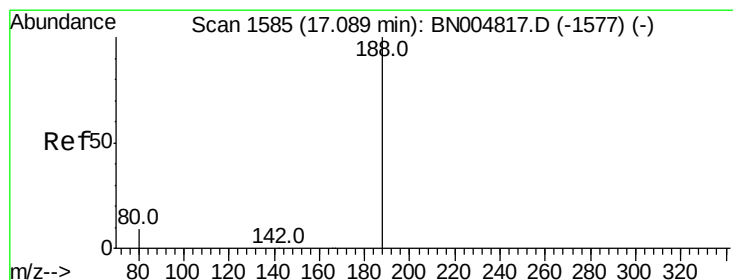
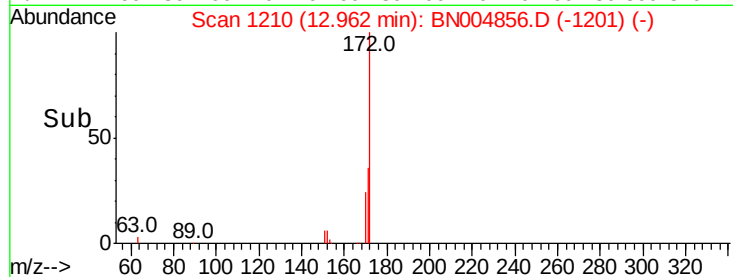
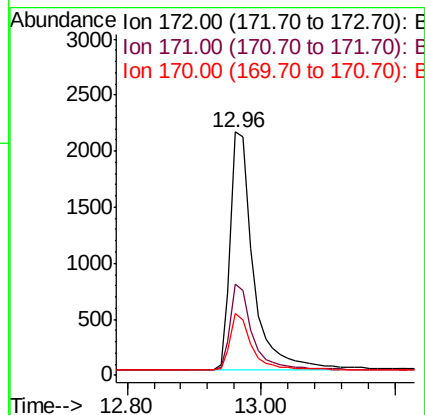
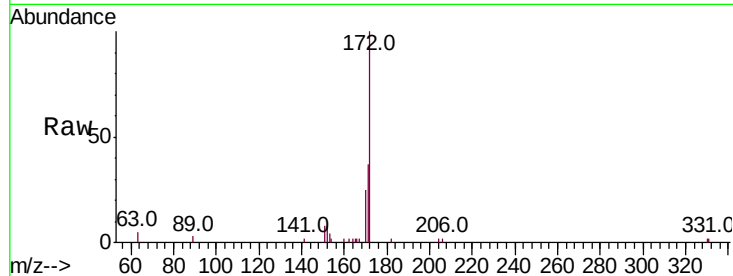




#15  
2-Fluorobiphenyl  
Concen: 0.211 ng  
RT: 12.96 min Scan# 1210  
Delta R.T. 0.00 min  
Lab File: BN004856.D  
Acq: 21 Mar 2019 18:48

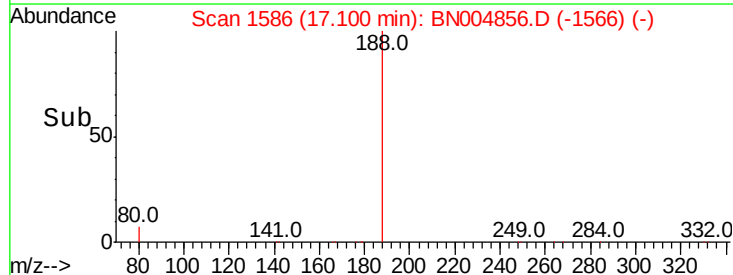
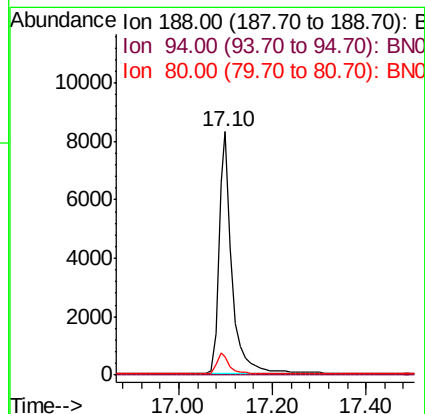
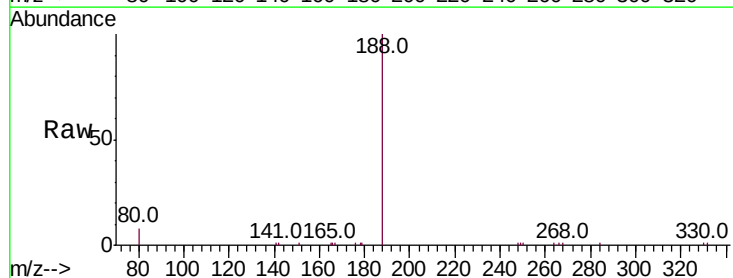
Instrument :  
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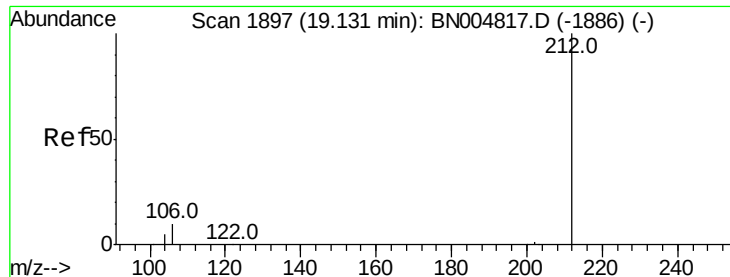
Tot Ion:172 Resp: 5117  
Ion Ratio Lower Upper  
172 100  
171 37.3 28.7 43.1  
170 25.3 18.7 28.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.10 min Scan# 1586  
Delta R.T. 0.01 min  
Lab File: BN004856.D  
Acq: 21 Mar 2019 18:48

Tgt Ion:188 Resp: 16407  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.7 7.4 11.2

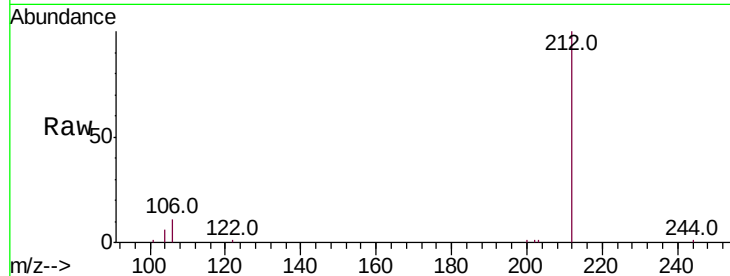




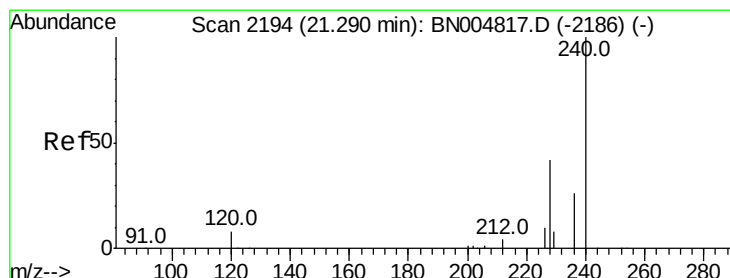
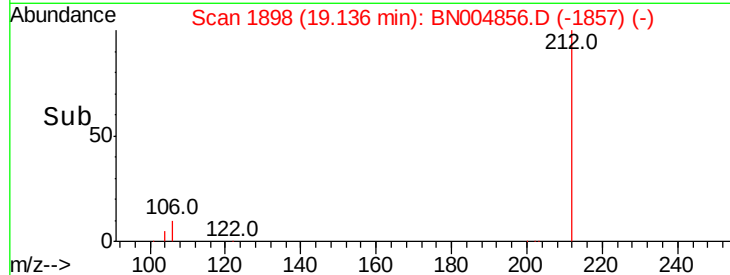
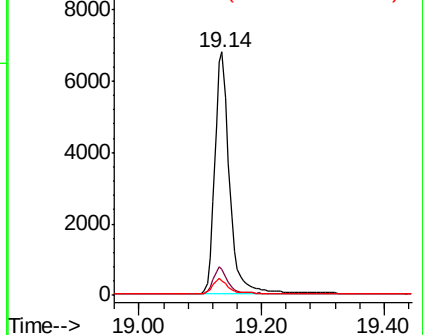
#25  
 Fluoranthene-d10  
 Concen: 0.206 ng  
 RT: 19.14 min Scan# 1898  
 Delta R.T. 0.01 min  
 Lab File: BN004856.D  
 Acq: 21 Mar 2019 18:48

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB117788BL

Tot Ion:212 Resp: 11311  
 Ion Ratio Lower Upper  
 212 100  
 106 10.8 8.6 13.0  
 104 6.0 4.7 7.1

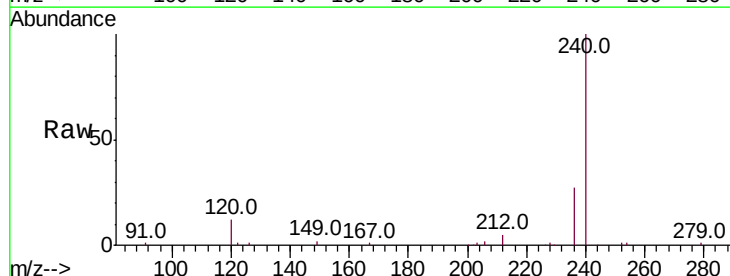


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

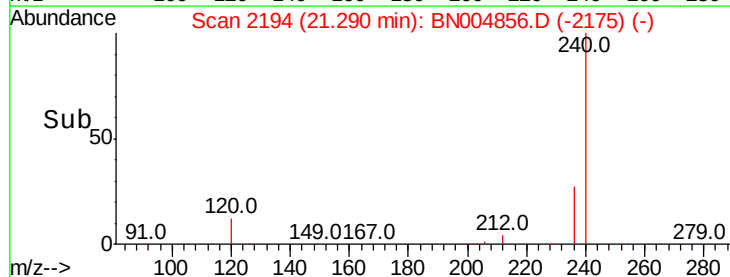
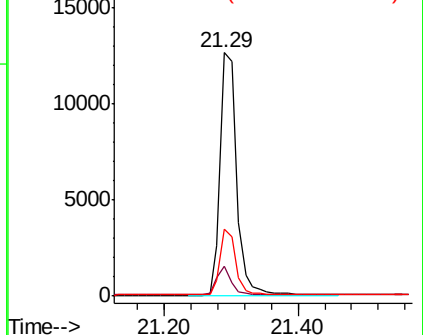


#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.29 min Scan# 2194  
 Delta R.T. 0.00 min  
 Lab File: BN004856.D  
 Acq: 21 Mar 2019 18:48

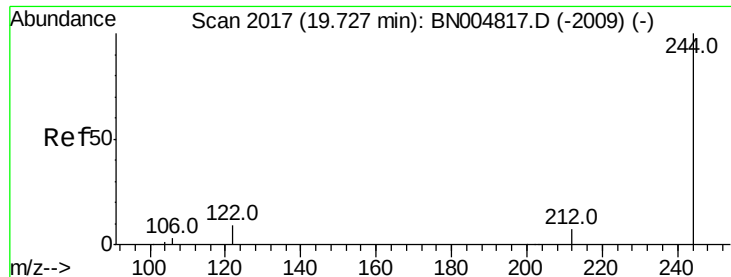
Tgt Ion:240 Resp: 21538  
 Ion Ratio Lower Upper  
 240 100  
 120 12.1 7.2 10.8#  
 236 27.4 20.9 31.3



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







#29

Terphenyl-d14

Concen: 0.214 ng

RT: 19.73 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

Instrument :

BNA\_N

ClientSampleId :

PB117788BL

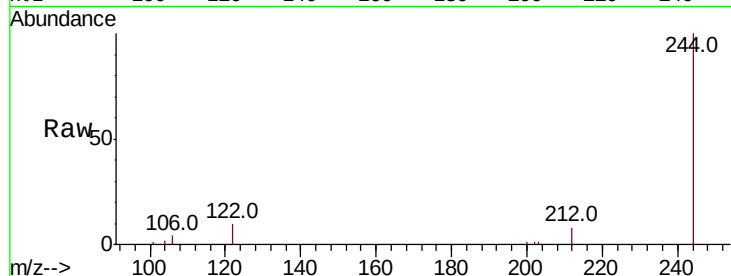
Tot Ion:244 Resp: 9431

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

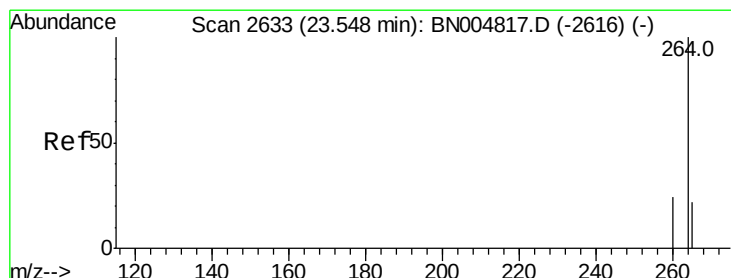
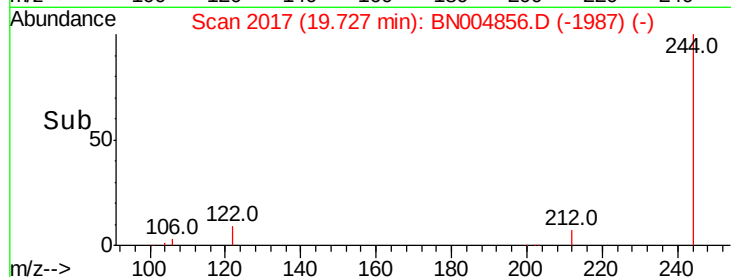
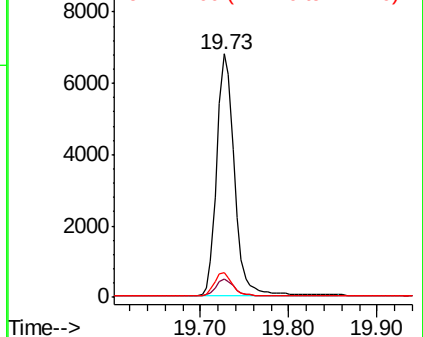
122 10.1 7.9 11.9



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: 23.55 min Scan# 2633

Delta R.T. 0.00 min

Lab File: BN004856.D

Acq: 21 Mar 2019 18:48

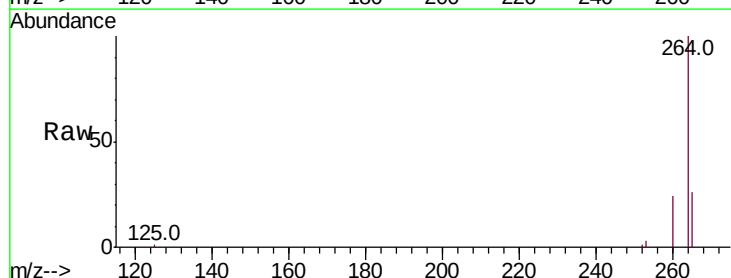
Tgt Ion:264 Resp: 24708

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 26.3 23.1 34.7



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

