

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\  
 Data File : BN007292.D  
 Acq On : 21 Aug 2019 13:51  
 Operator : HP/JU  
 Sample : PB122391BL  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 21 15:31:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 20 18:52:43 2019  
 Response via : Initial Calibration

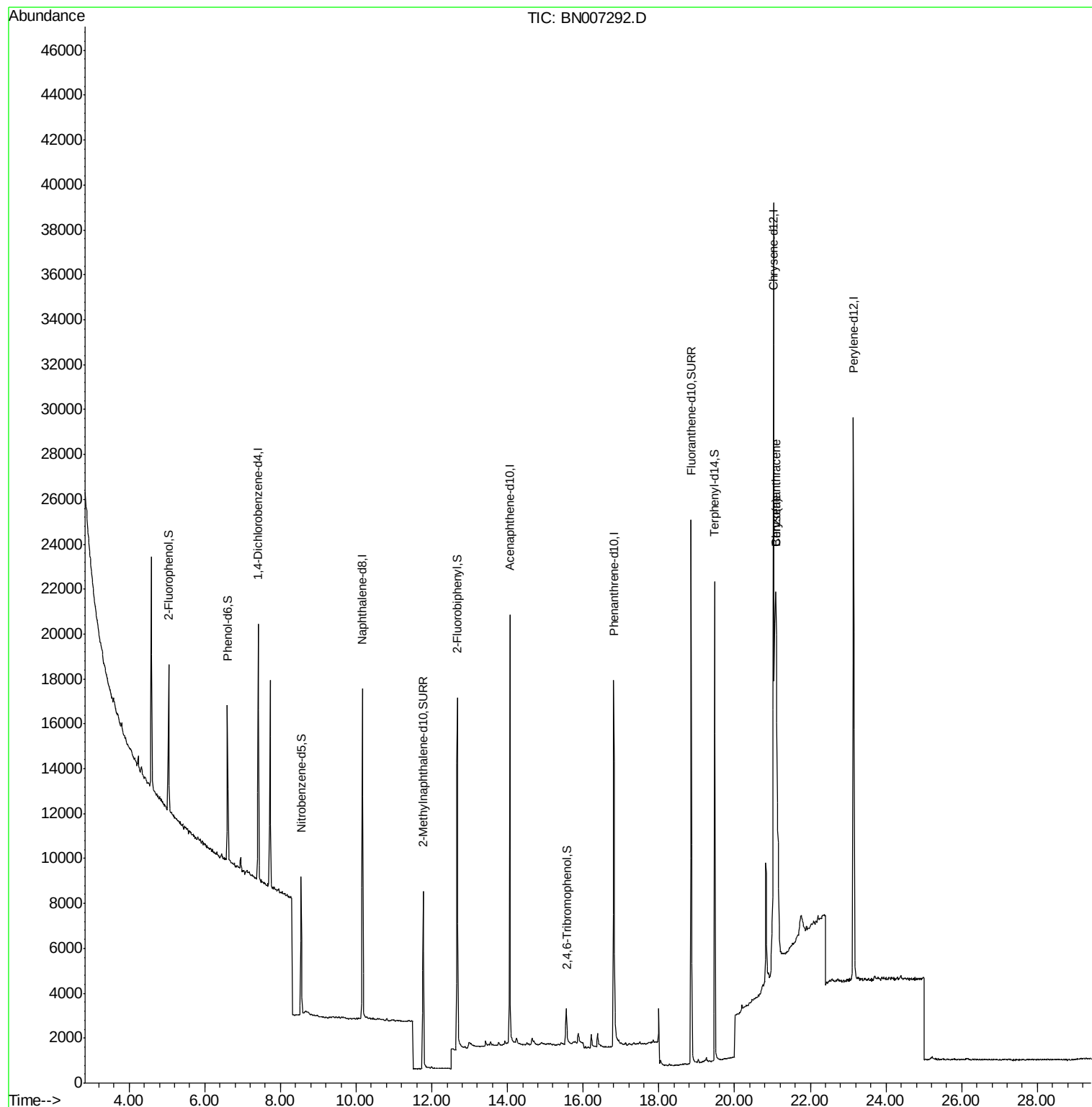
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.41  | 152  | 5441     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.16 | 136  | 20102    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.06 | 164  | 11238    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10        | 16.80 | 188  | 26983    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12            | 21.03 | 240  | 30142    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12            | 23.14 | 264  | 31233    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.04  | 112  | 5333     | 0.32  | ng    | 0.00     |
| 5) Phenol-d6                | 6.60  | 99   | 6839     | 0.36  | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.54  | 82   | 5073     | 0.33  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152  | 11710    | 0.34  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330  | 1426     | 0.23  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.68 | 172  | 15174    | 0.31  | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.85 | 212  | 29885    | 0.35  | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.48 | 244  | 22816    | 0.30  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 30) Benzo(a)anthracene      | 21.09 | 228  | 7212     | 0.064 | ng    | # 1      |
| 31) Chrysene                | 21.09 | 228  | 6035     | 0.053 | ng    | # 1      |

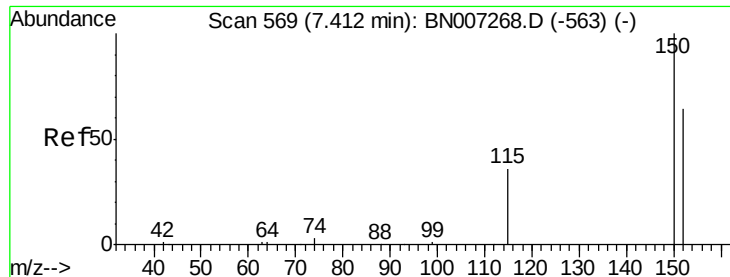
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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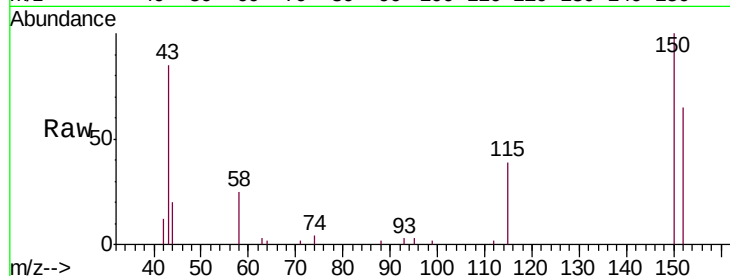


#1

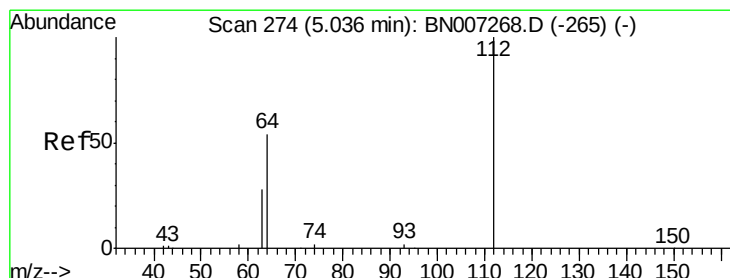
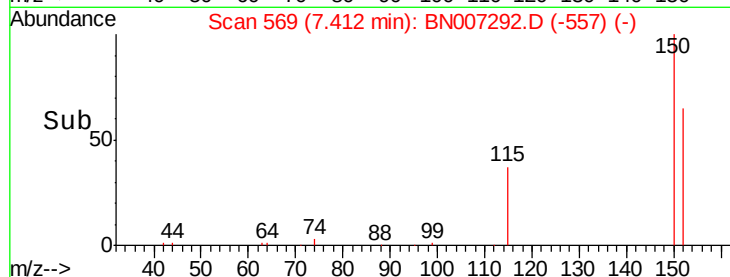
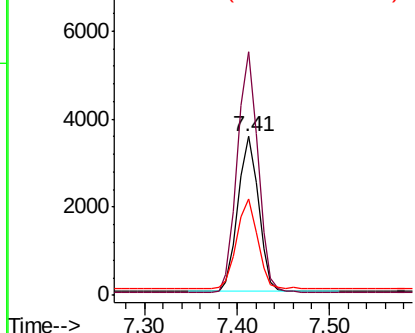
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.41 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 5441  
Ion Ratio Lower Upper  
152 100  
150 153.2 123.8 185.8  
115 60.3 47.3 70.9



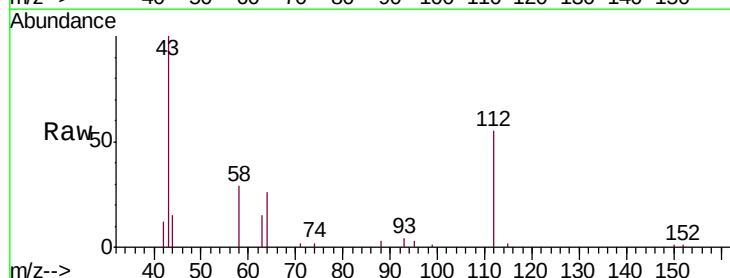
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



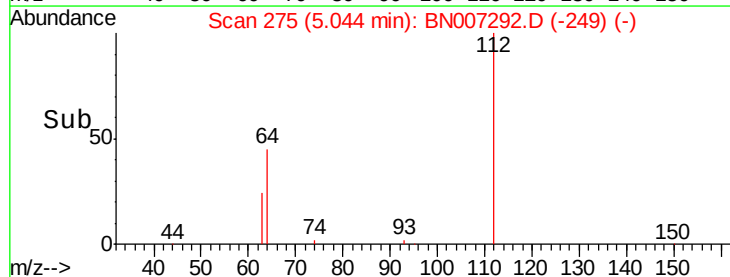
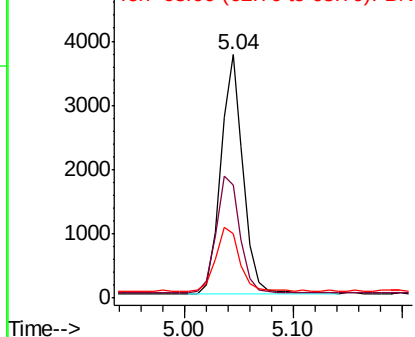
#4

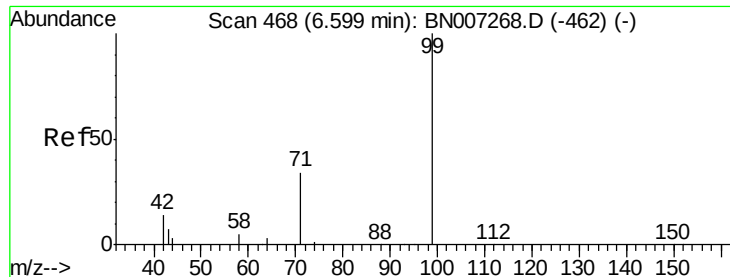
2-Fluorophenol  
Concen: 0.322 ng  
RT: 5.04 min Scan# 275  
Delta R.T. 0.01 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

Tgt Ion:112 Resp: 5333  
Ion Ratio Lower Upper  
112 100  
64 52.6 41.8 62.8  
63 27.7 22.6 34.0



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: 0.357 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

Instrument :

BNA\_N

ClientSampleId :

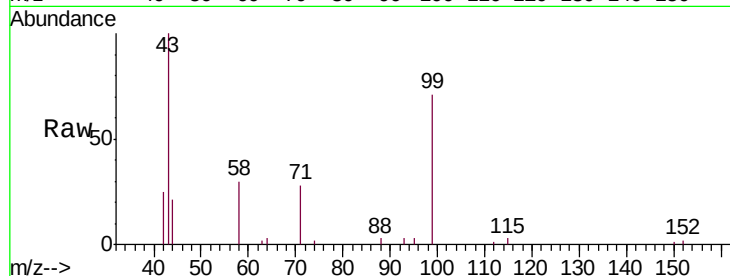
Tot Ion: 99 Resp: 6839

Ion Ratio Lower Upper

99 100

42 17.0 14.3 21.5

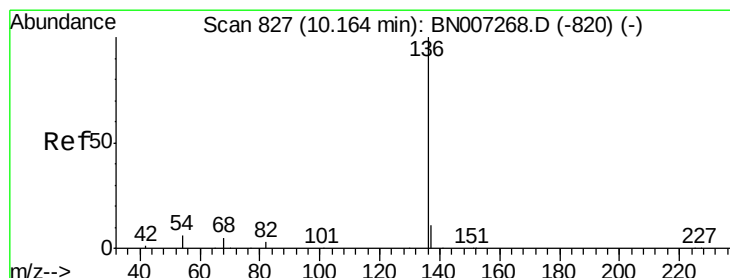
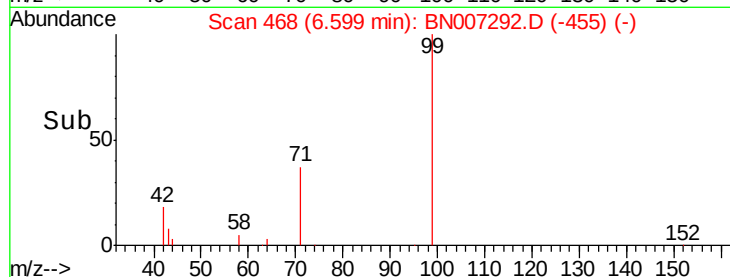
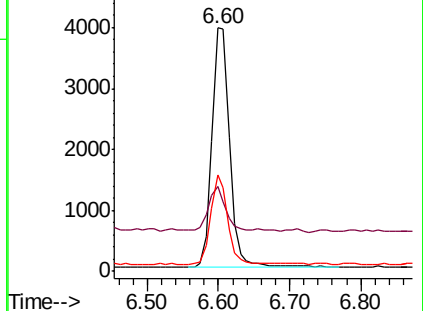
71 34.7 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN007268.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007268.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007268.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

Tgt Ion: 136 Resp: 20102

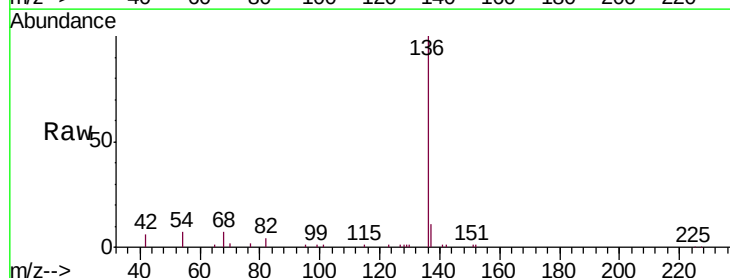
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 7.2 5.9 8.9

68 6.5 5.6 8.4

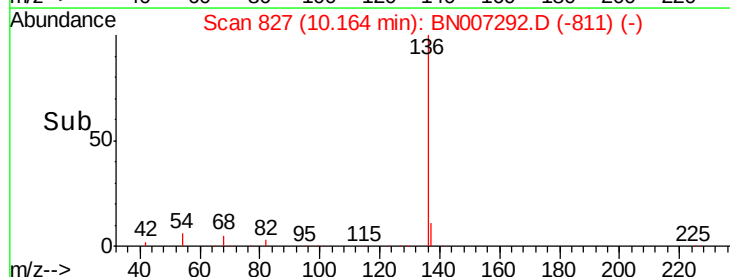
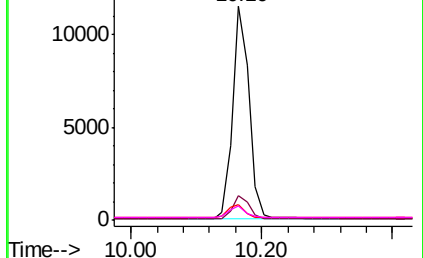


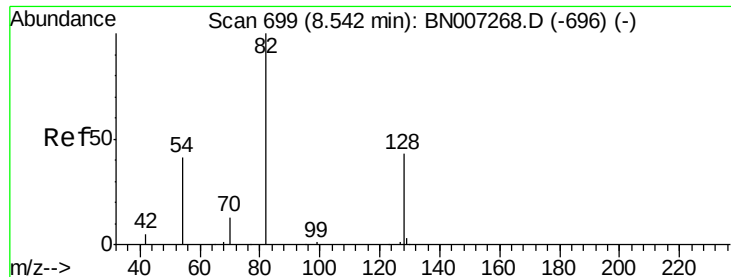
Abundance Ion 136.00 (135.70 to 136.70): BN007268.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BN007268.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN007268.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN007268.D (-820) (-)

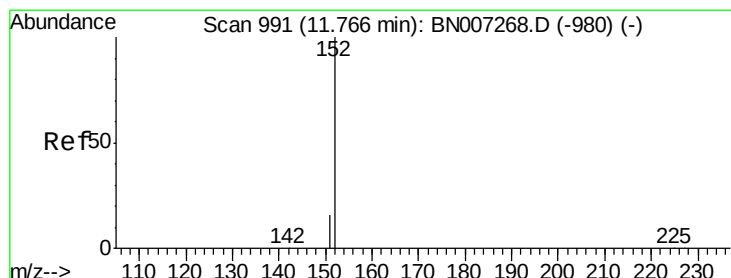
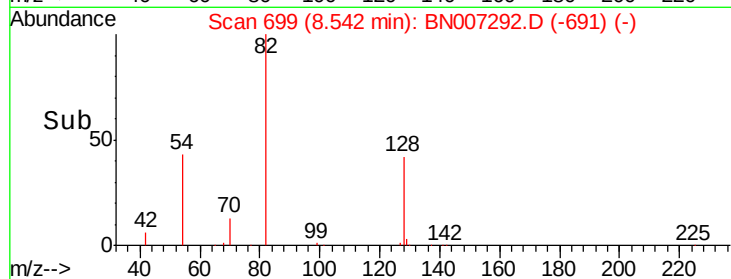
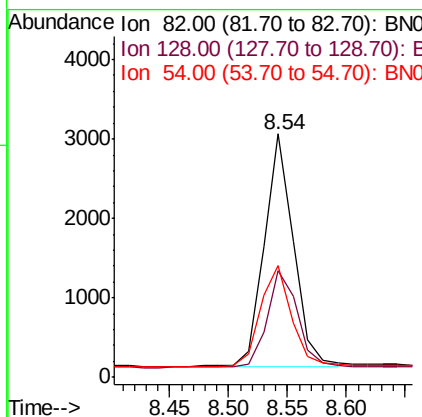
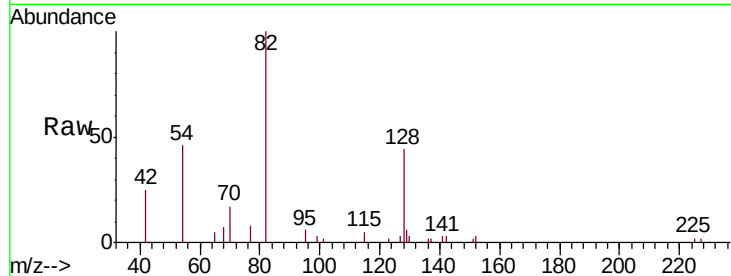




#8  
 Nitrobenzene-d5  
 Concen: 0.329 ng  
 RT: 8.54 min Scan# 699  
 Delta R.T. 0.00 min  
 Lab File: BN007292.D  
 Acq: 21 Aug 2019 13:51

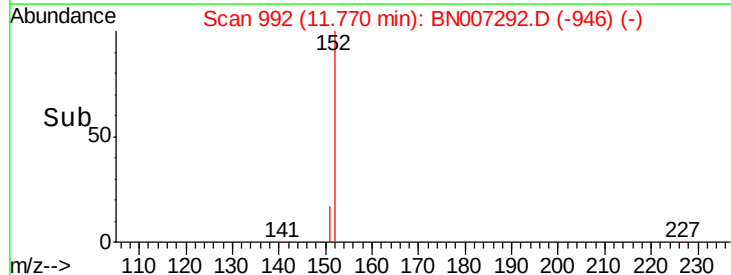
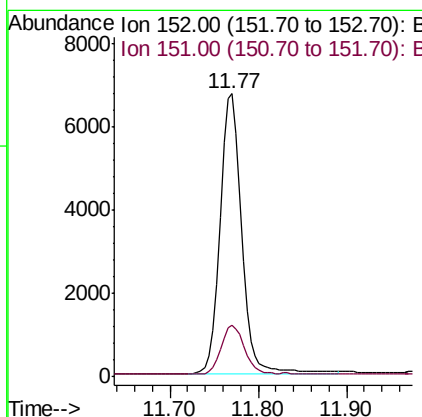
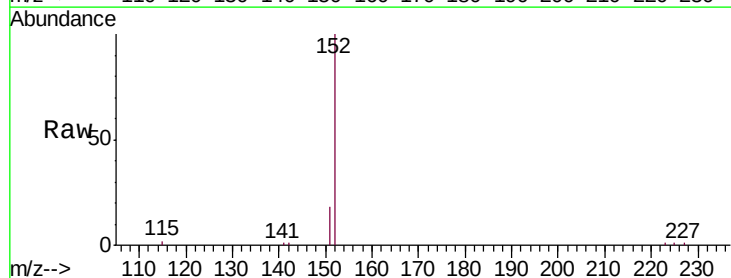
Instrument :  
 BNA\_N  
 ClientSampleId :

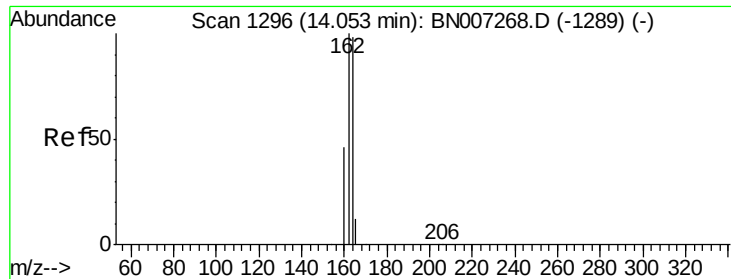
| Tot Ion   | 82    | Resp  | 5073 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.9  | 35.8  | 53.6 |
| 54        | 45.8  | 34.7  | 52.1 |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.337 ng  
 RT: 11.77 min Scan# 992  
 Delta R.T. 0.00 min  
 Lab File: BN007292.D  
 Acq: 21 Aug 2019 13:51

| Tgt Ion   | 152   | Resp  | 11710 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 18.7  | 15.2  | 22.8  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

Instrument :

BNA\_N

ClientSampleId :

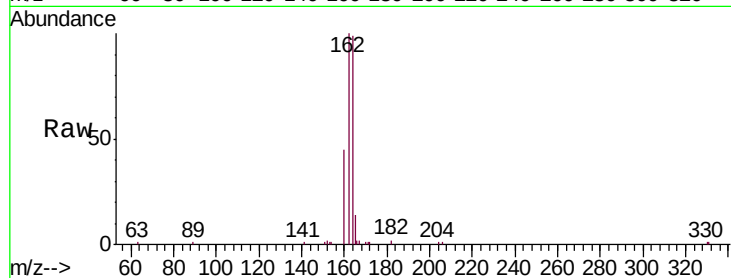
Tot Ion:164 Resp: 11238

Ion Ratio Lower Upper

164 100

162 101.1 82.0 123.0

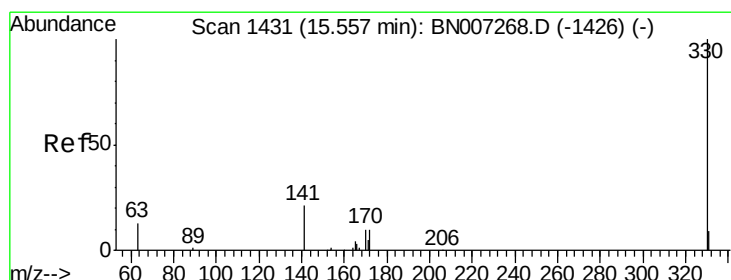
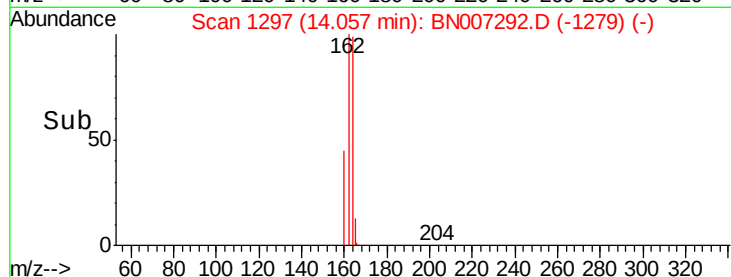
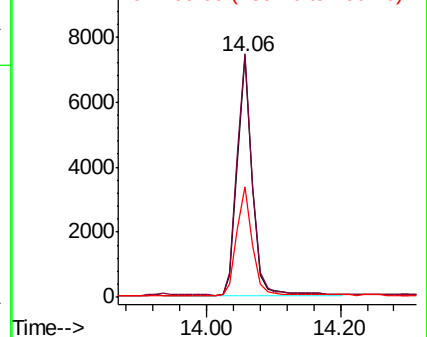
160 45.9 38.2 57.4



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: 0.226 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

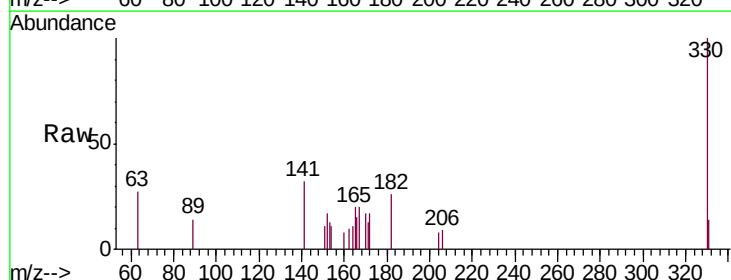
Tgt Ion:330 Resp: 1426

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

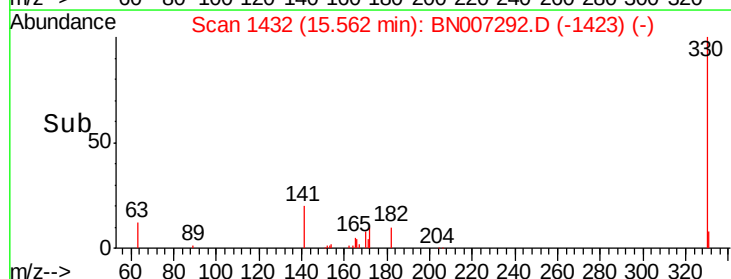
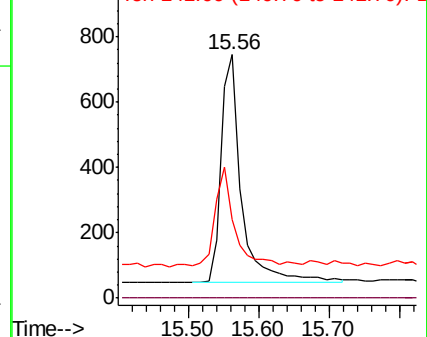
141 39.1 30.3 45.5

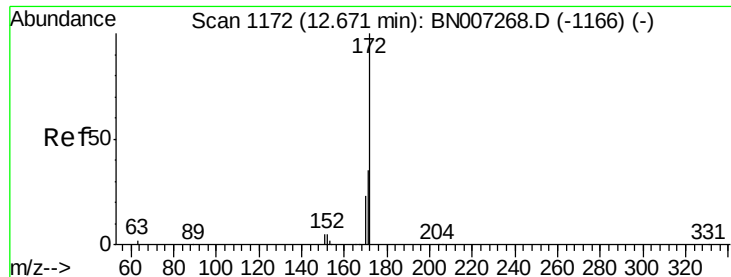


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

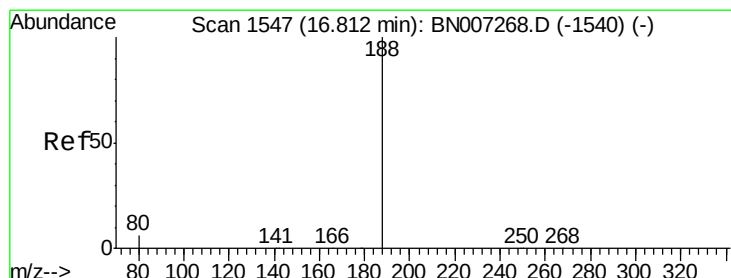
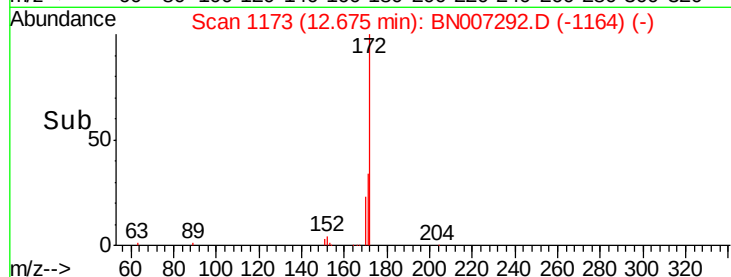
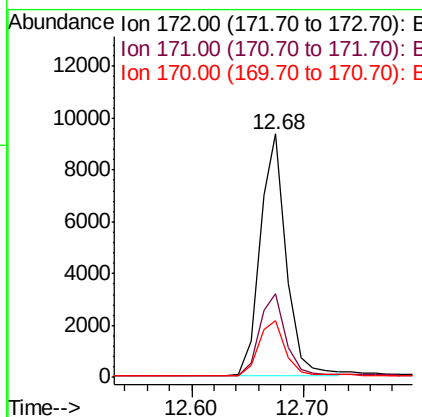
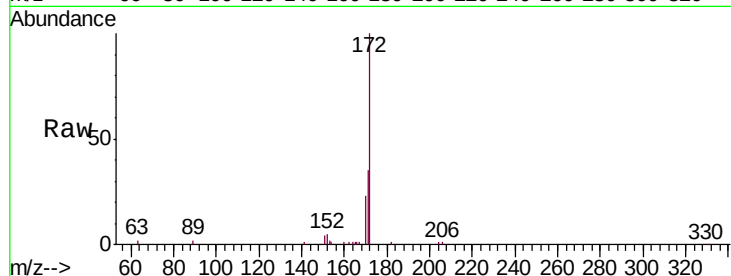




#15  
2-Fluorobiphenyl  
Concen: 0.315 ng  
RT: 12.68 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

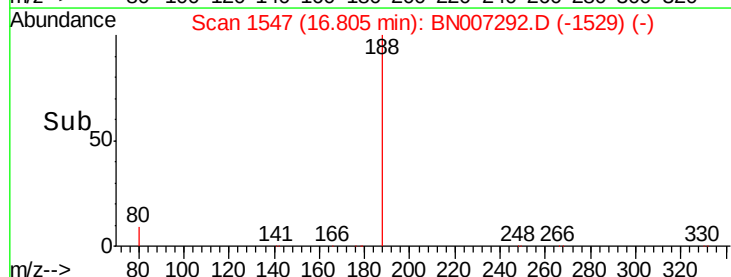
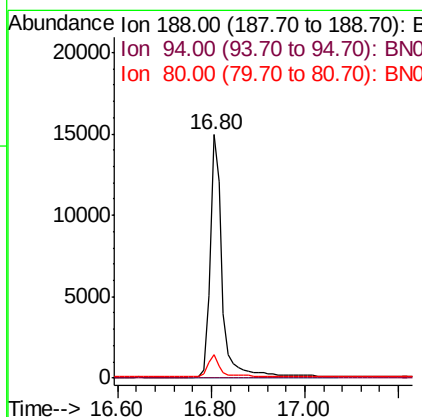
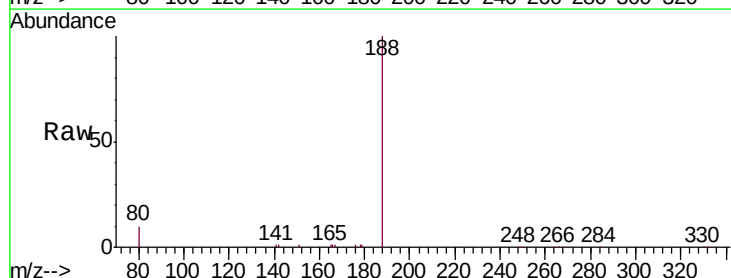
Instrument :  
BNA\_N  
ClientSampleId :

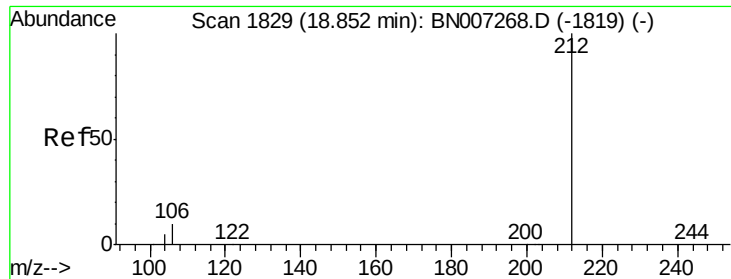
Tot Ion:172 Resp: 15174  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.6 43.0  
170 23.3 18.7 28.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.80 min Scan# 1547  
Delta R.T. -0.01 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

Tgt Ion:188 Resp: 26983  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.8 5.2 7.8#





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 18.85 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

Instrument :

BNA\_N

ClientSampleId :

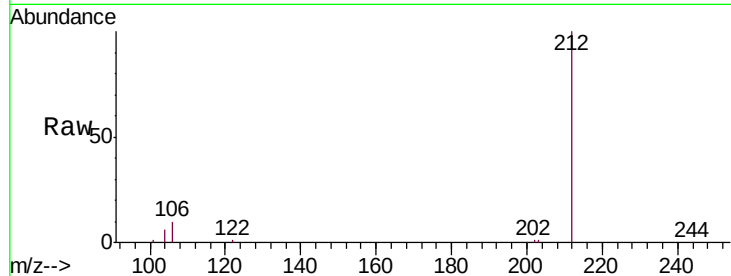
Tot Ion:212 Resp: 29885

Ion Ratio Lower Upper

212 100

106 10.6 8.2 12.4

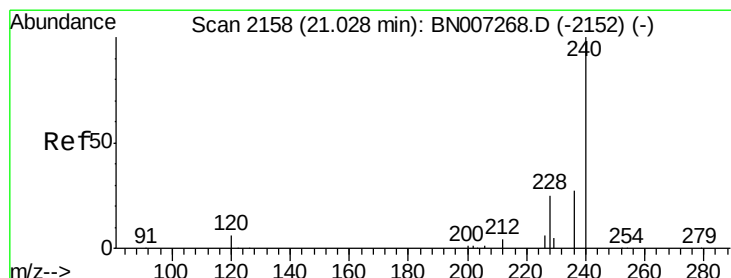
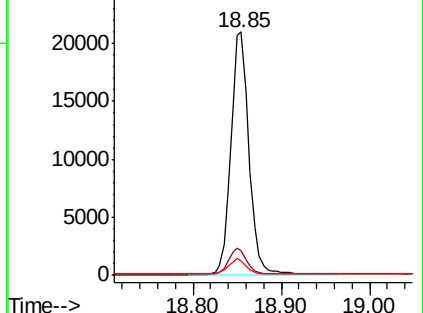
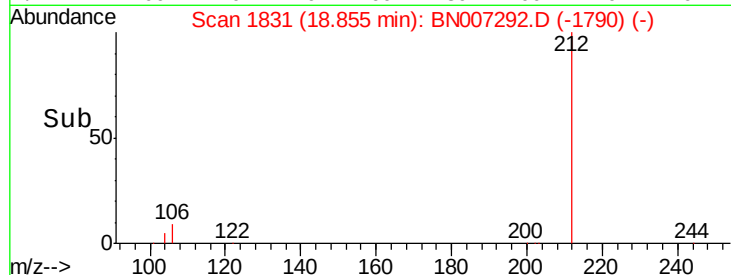
104 6.0 4.7 7.1



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: 21.03 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

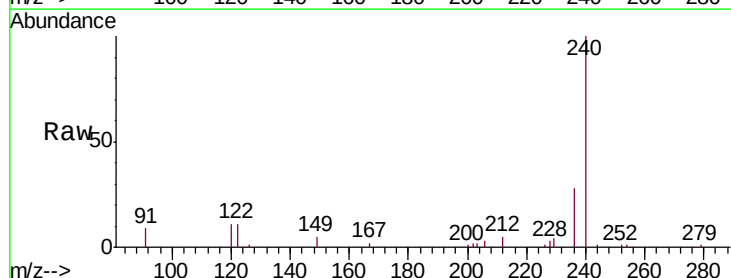
Tgt Ion:240 Resp: 30142

Ion Ratio Lower Upper

240 100

120 11.5 5.6 8.4#

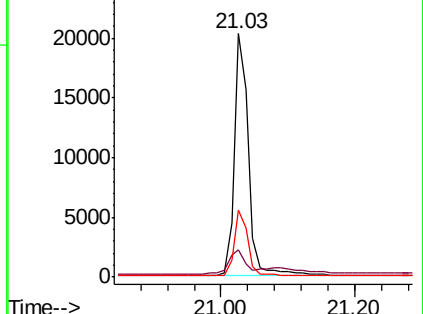
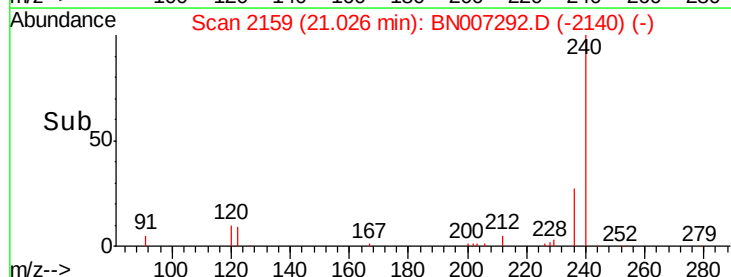
236 27.6 21.6 32.4



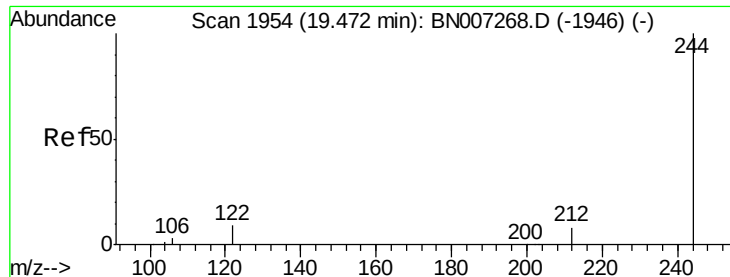
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#29

Terphenyl-d14

Concen: 0.303 ng

RT: 19.48 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

Instrument :

BNA\_N

ClientSampleId :

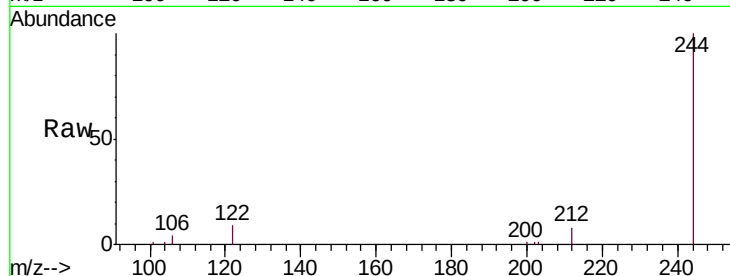
Tot Ion:244 Resp: 22816

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

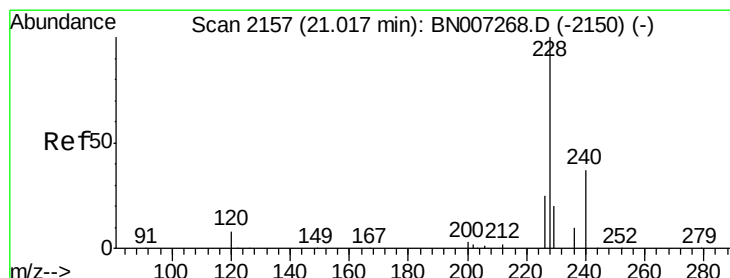
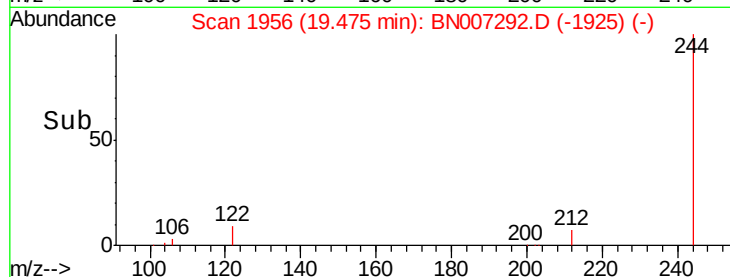
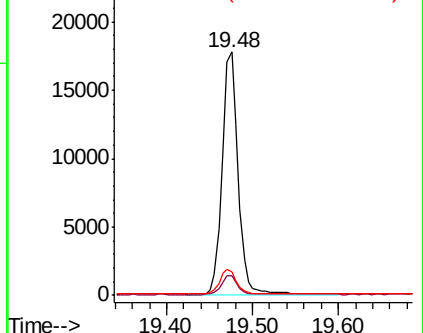
122 9.4 7.9 11.9



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



#30

Benzo(a)anthracene

Concen: 0.064 ng

RT: 21.09 min Scan# 2165

Delta R.T. 0.07 min

Lab File: BN007292.D

Acq: 21 Aug 2019 13:51

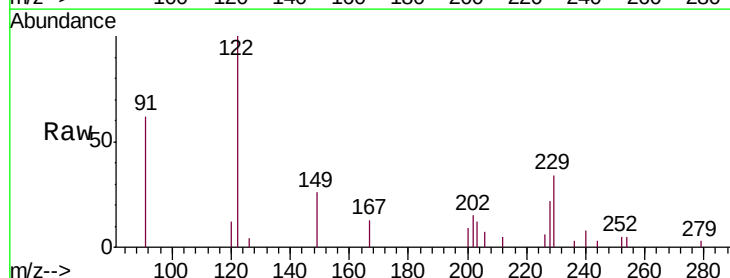
Tgt Ion:228 Resp: 7212

Ion Ratio Lower Upper

228 100

226 24.9 20.6 30.8

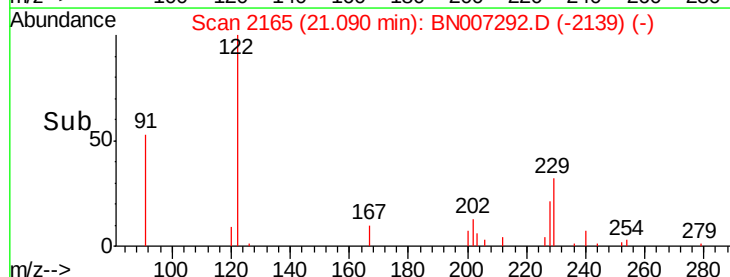
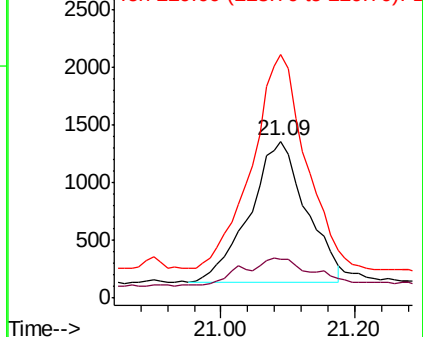
229 155.2 16.9 25.3#

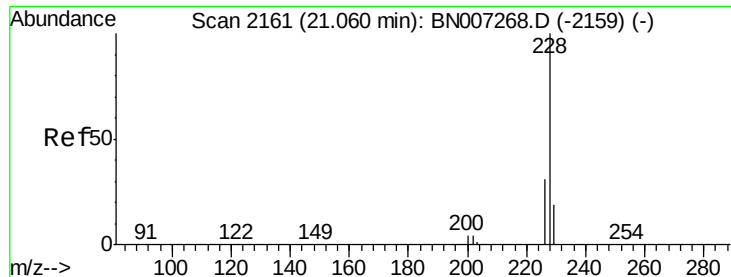


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

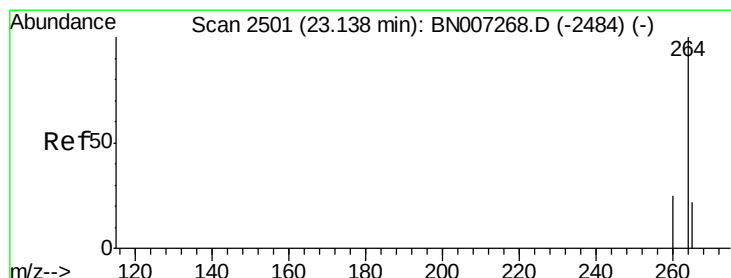
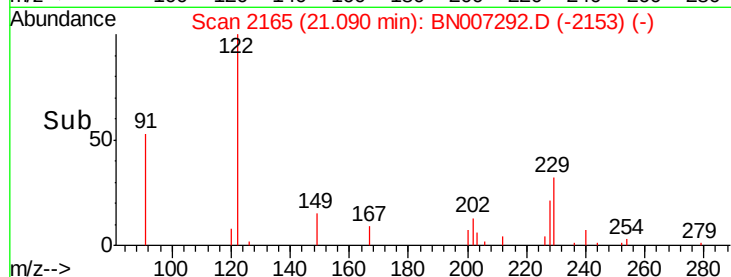
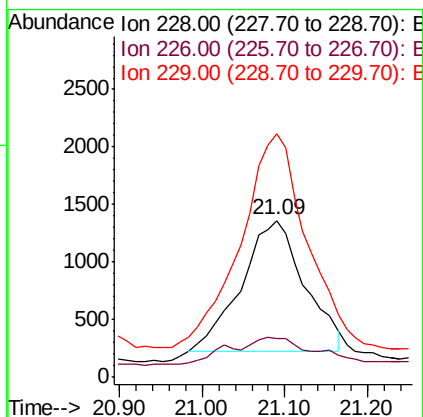
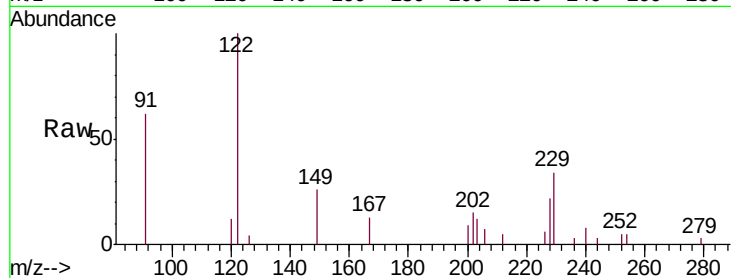




#31  
Chrysene  
Concen: 0.053 ng  
RT: 21.09 min Scan# 2165  
Delta R.T. 0.03 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:228 Resp: 6035  
Ion Ratio Lower Upper  
228 100  
226 24.9 24.6 36.8  
229 155.2 15.6 23.4#



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.14 min Scan# 2504  
Delta R.T. 0.01 min  
Lab File: BN007292.D  
Acq: 21 Aug 2019 13:51

Tgt Ion:264 Resp: 31233  
Ion Ratio Lower Upper  
264 100  
260 24.7 20.1 30.1  
265 36.0 29.0 43.6

