

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\  
 Data File : BM024619.D  
 Acq On : 24 Jan 2020 13:43  
 Operator : CG/JU  
 Sample : PB125861BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB125861BL

Quant Time: Jan 24 16:59:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 207409   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.20 | 136  | 793079   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.09 | 164  | 551692   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.84 | 188  | 1273485  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.04 | 240  | 1345865  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.16 | 264  | 1461623  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 1570134  | 143.97 | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 2032088  | 135.26 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.58  | 82   | 1394484  | 86.23  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.59 | 330  | 1167823  | 130.13 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.70 | 172  | 3471699  | 85.55  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.50 | 244  | 7276523  | 100.94 | ng    | 0.00     |

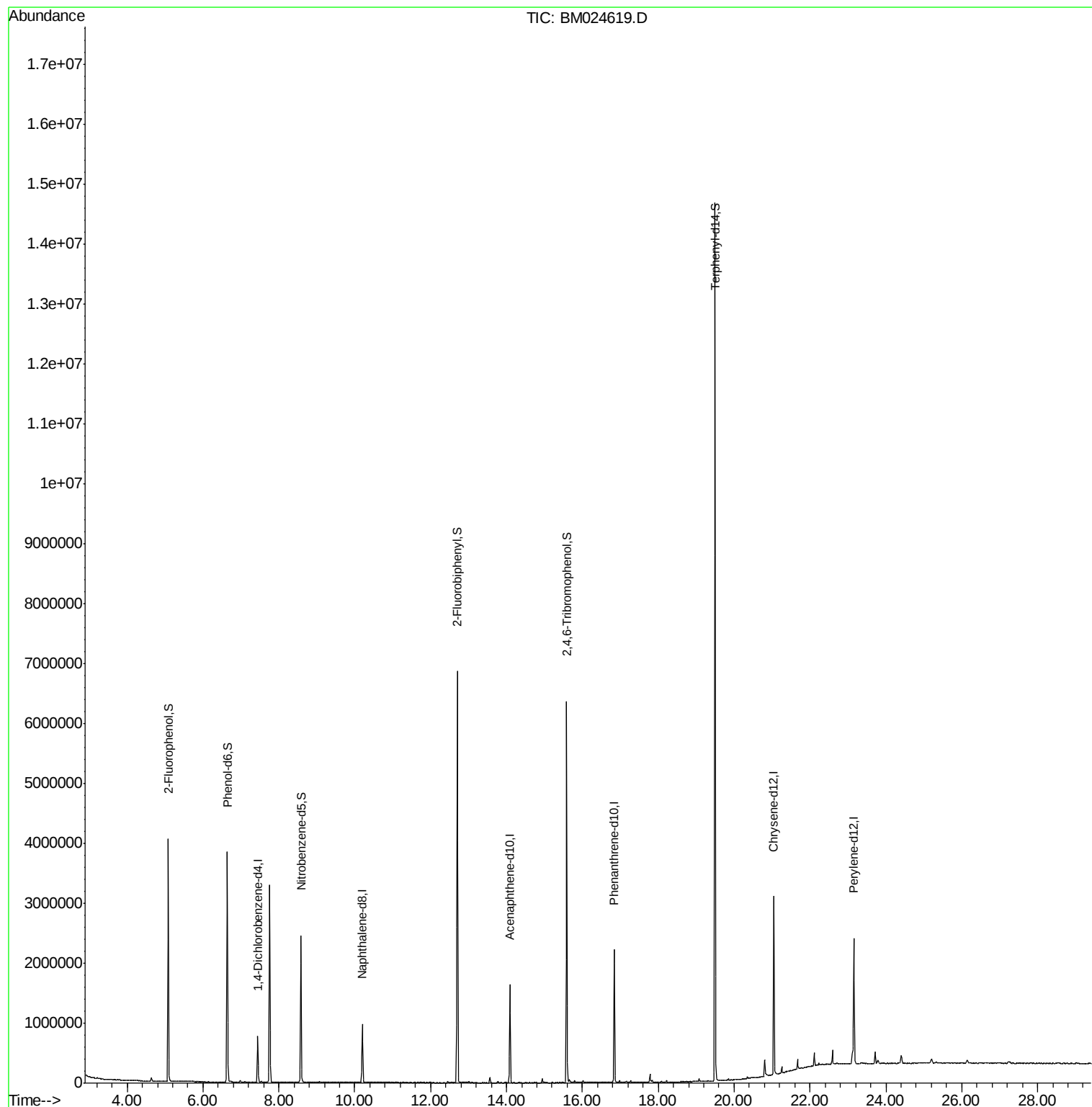
Target Compounds Qvalue

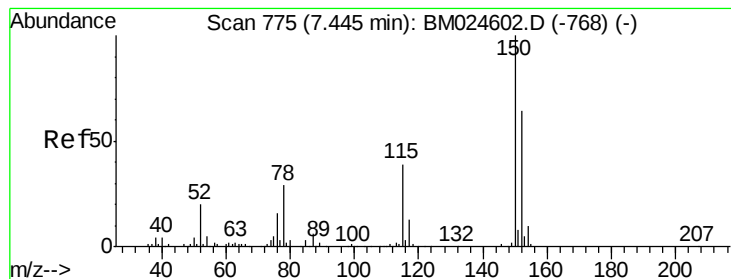
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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PB125861BL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 23 14:57:07 2020  
Response via : Initial Calibration



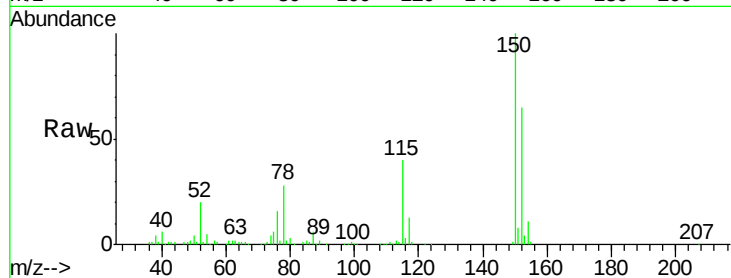


#1

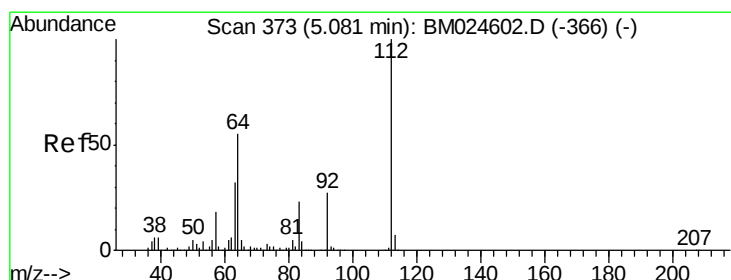
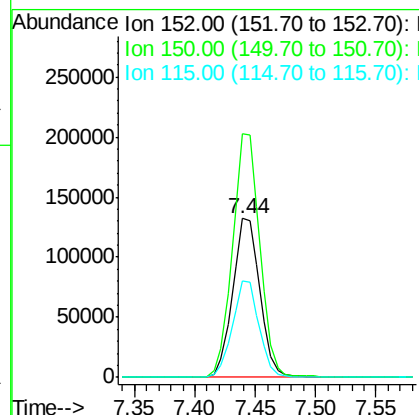
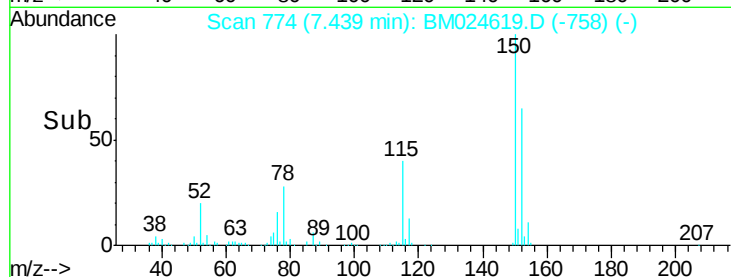
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM024619.D  
Acq: 24 Jan 2020 13:43

Instrument :  
BNA\_M  
ClientSampled :  
PB125861BL

Tot Ion:152 Resp: 207409  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.2 186.4  
115 61.0 48.6 72.8



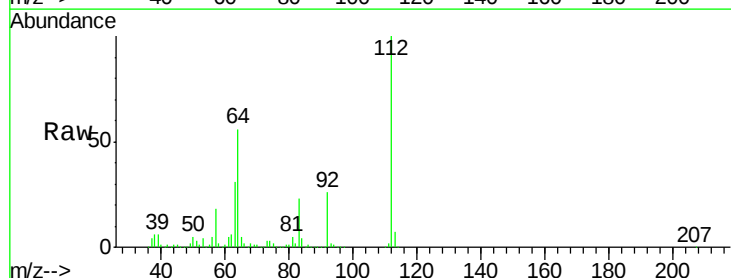
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



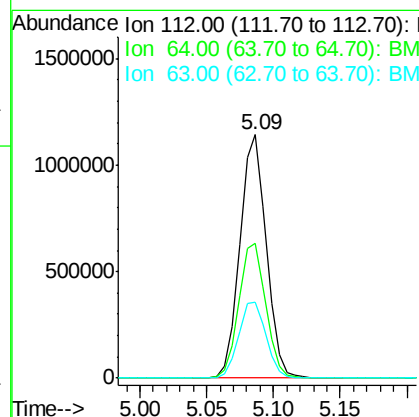
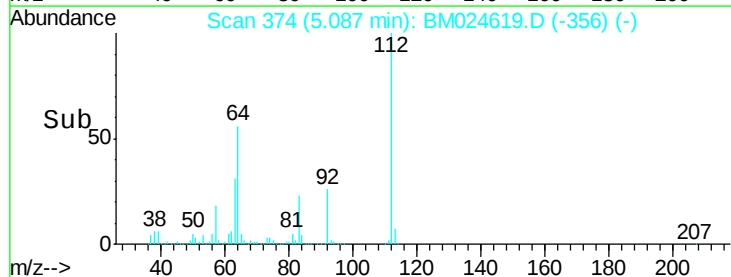
#5

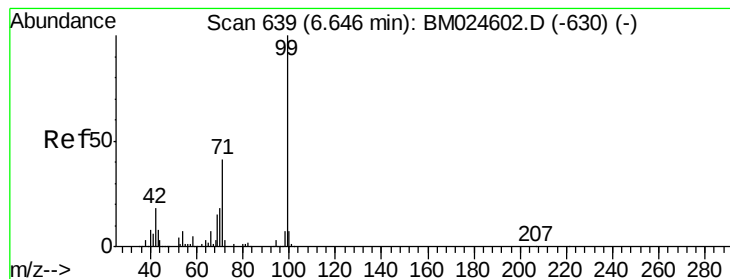
2-Fluorophenol  
Concen: 143.968 ng  
RT: 5.09 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: BM024619.D  
Acq: 24 Jan 2020 13:43

Tgt Ion:112 Resp: 1570134  
Ion Ratio Lower Upper  
112 100  
64 55.5 44.2 66.4  
63 31.4 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 135.256 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024619.D

Acq: 24 Jan 2020 13:43

Instrument :

BNA\_M

ClientSampleId :

PB125861BL

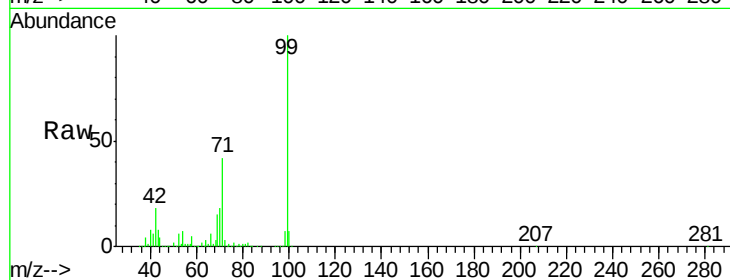
Tot Ion: 99 Resp: 2032088

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

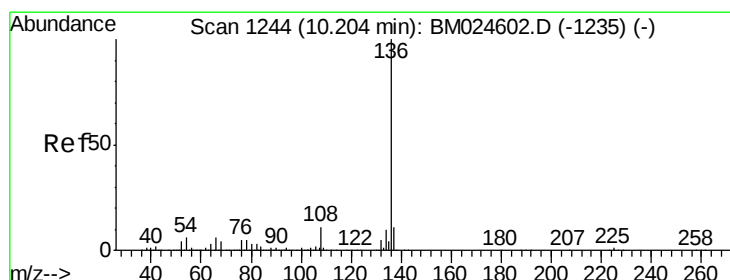
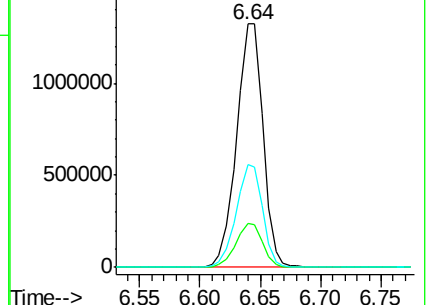
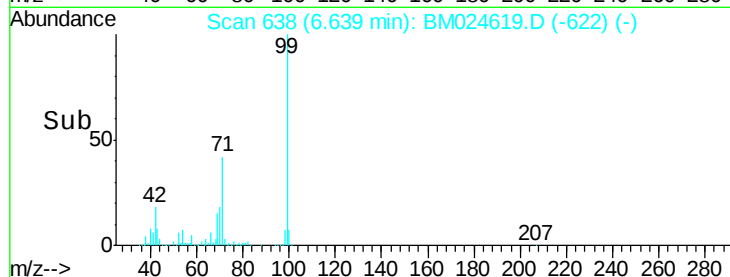
71 42.5 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024619.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024619.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024619.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM024619.D

Acq: 24 Jan 2020 13:43

Tgt Ion: 136 Resp: 793079

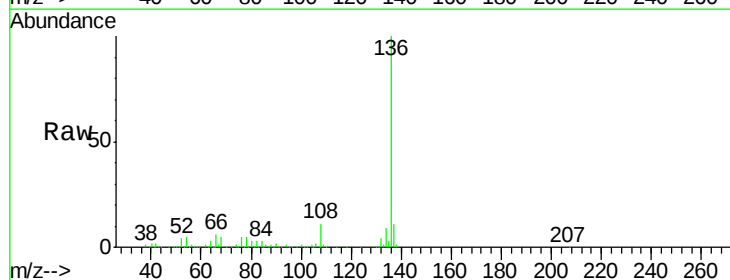
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 5.4 4.5 6.7

68 4.6 3.4 5.0

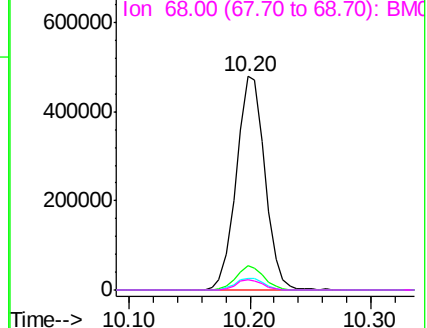
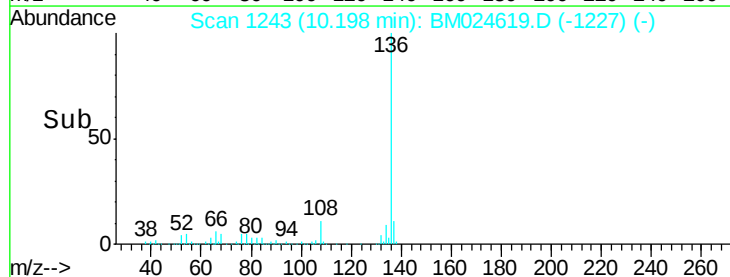


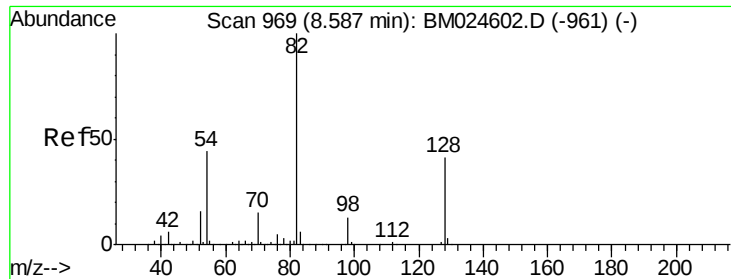
Abundance Ion 136.00 (135.70 to 136.70): BM024619.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024619.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024619.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024619.D (-1227) (-)



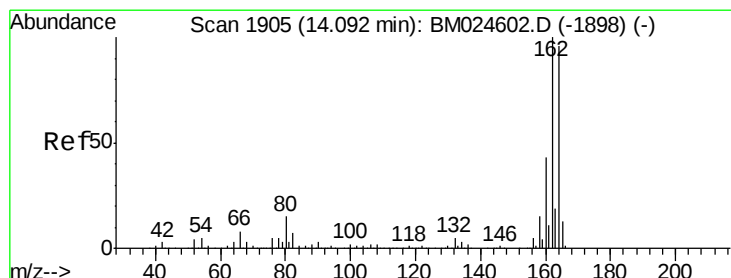
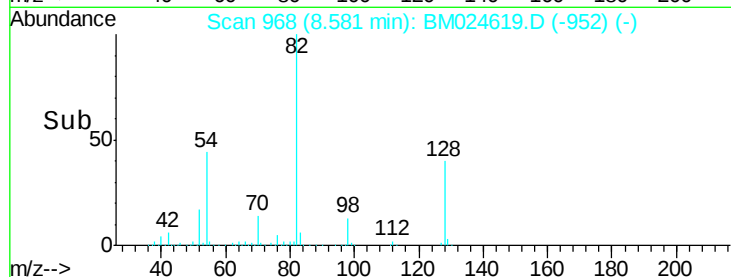
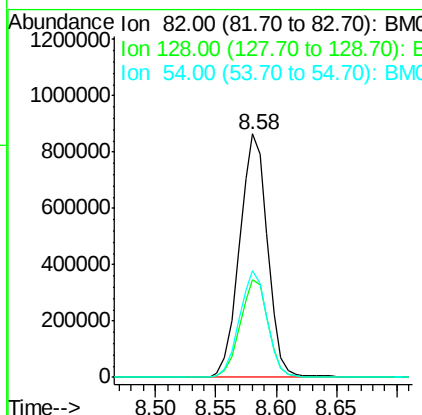
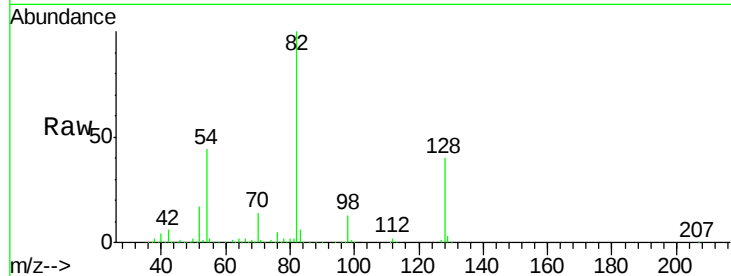


#23  
 Nitrobenzene-d5  
 Concen: 86.230 ng  
 RT: 8.58 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BM024619.D  
 Acq: 24 Jan 2020 13:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB125861BL

Tot Ion: 82 Resp: 1394484  

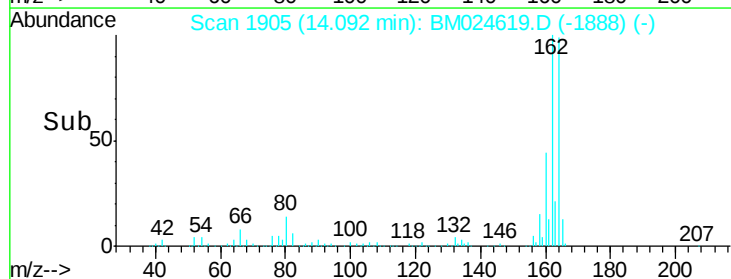
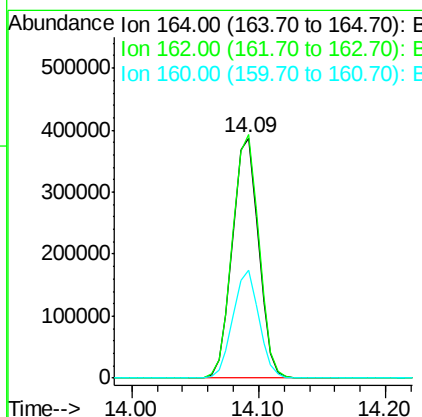
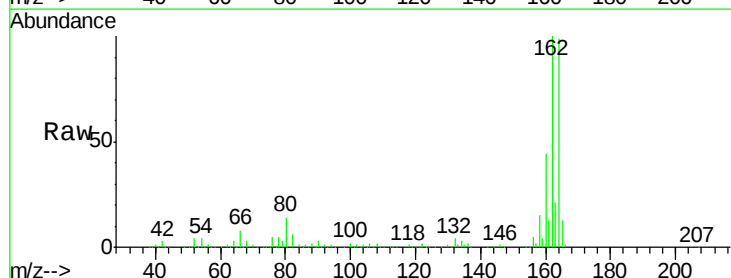
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.3  | 32.6  | 48.8  |
| 54  | 44.0  | 34.8  | 52.2  |

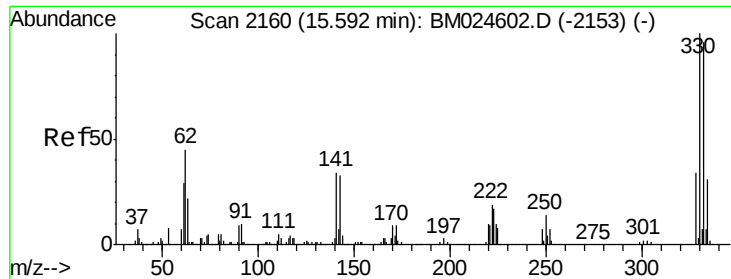


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.09 min Scan# 1905  
 Delta R.T. -0.00 min  
 Lab File: BM024619.D  
 Acq: 24 Jan 2020 13:43

Tgt Ion:164 Resp: 551692  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.5 | 82.9  | 124.3 |
| 160 | 44.8  | 35.5  | 53.3  |

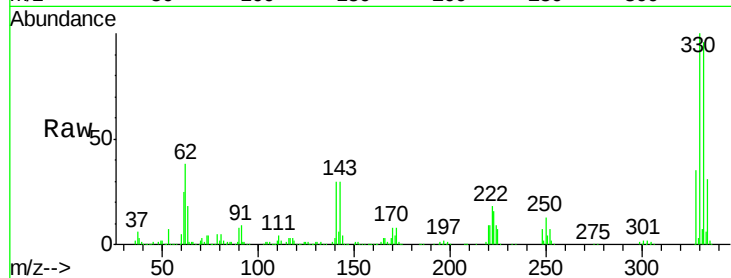




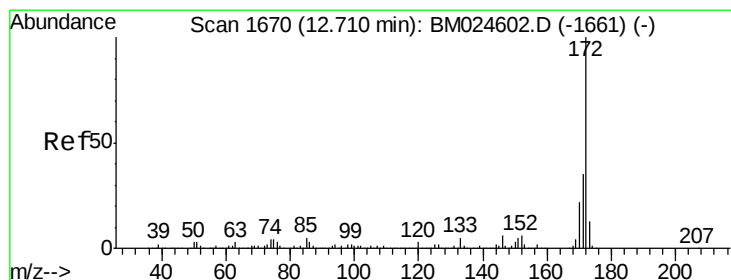
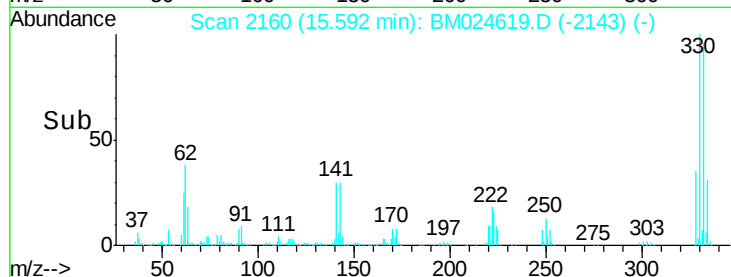
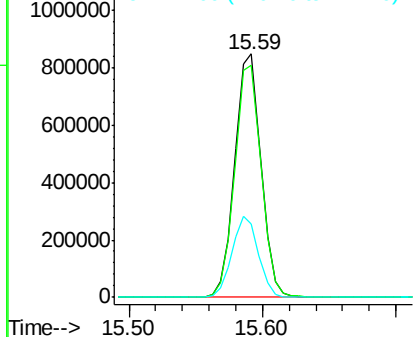
#42  
 2,4,6-Tribromophenol  
 Concen: 130.133 ng  
 RT: 15.59 min Scan# 2160  
 Delta R.T. -0.00 min  
 Lab File: BM024619.D  
 Acq: 24 Jan 2020 13:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB125861BL

Tot Ion:330 Resp: 1167823  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.2 115.8  
 141 33.5 26.9 40.3

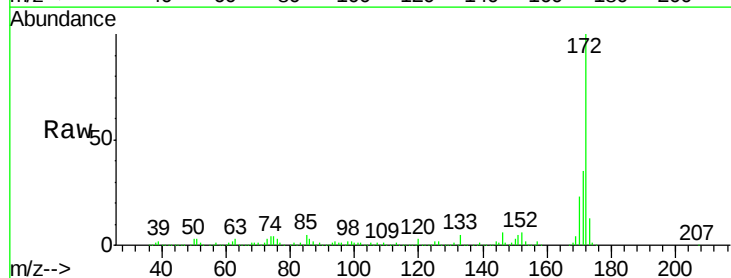


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

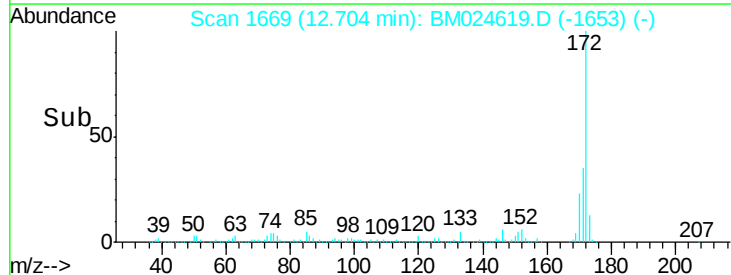
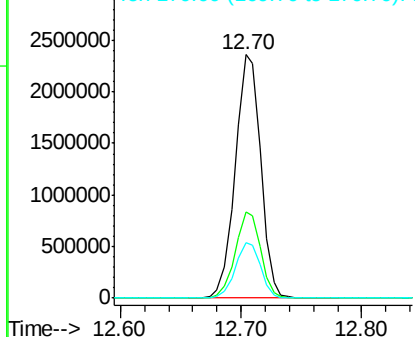


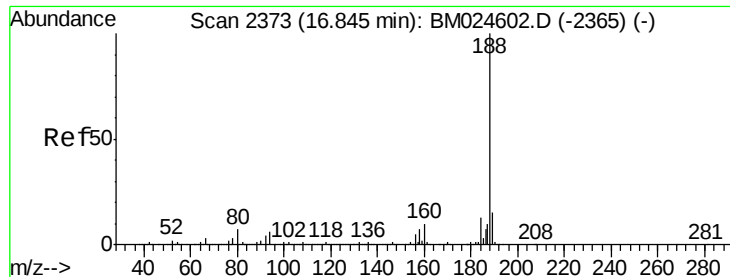
#45  
 2-Fluorobiphenyl  
 Concen: 85.551 ng  
 RT: 12.70 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BM024619.D  
 Acq: 24 Jan 2020 13:43

Tgt Ion:172 Resp: 3471699  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.3 42.5  
 170 22.6 17.9 26.9



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

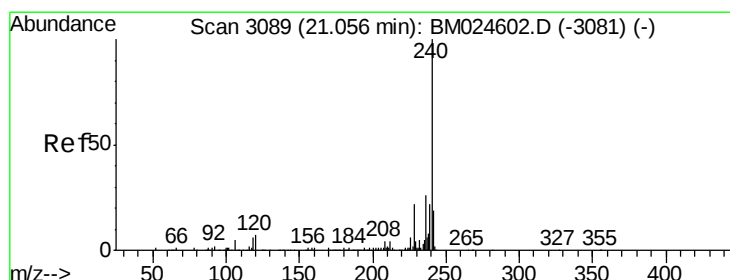
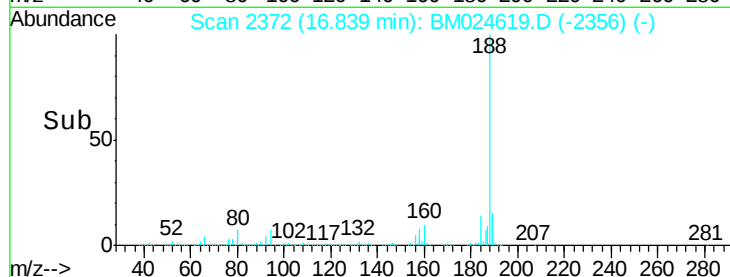
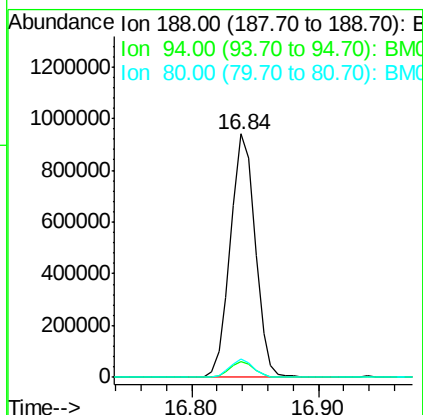
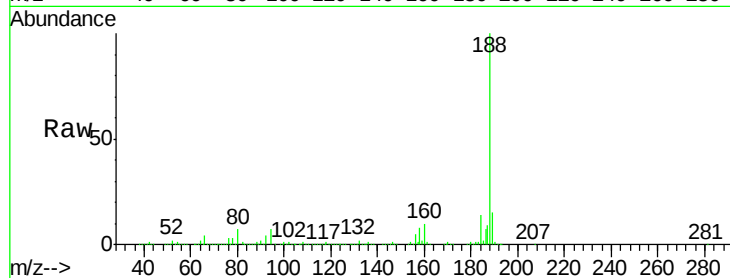




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.84 min Scan# 2372  
Delta R.T. -0.01 min  
Lab File: BM024619.D  
Acq: 24 Jan 2020 13:43

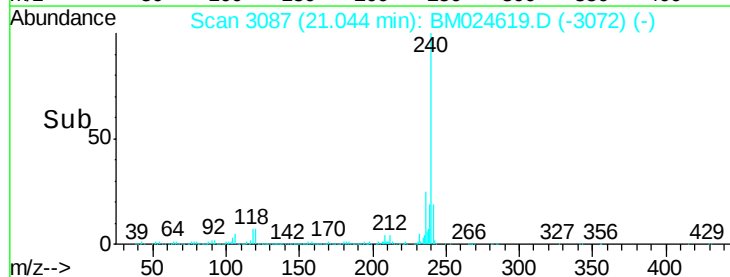
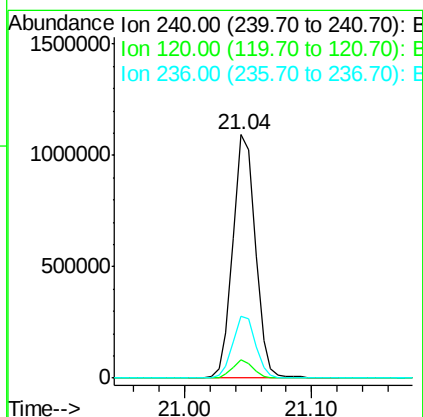
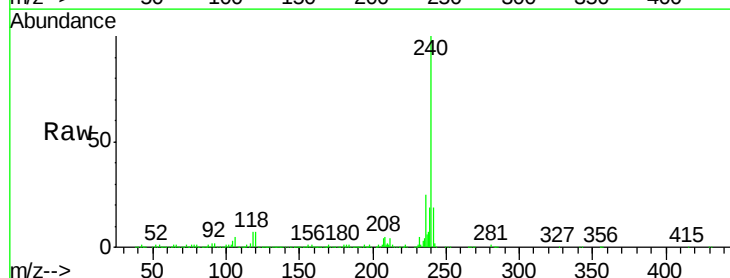
Instrument :  
BNA\_M  
ClientSampleId :  
PB125861BL

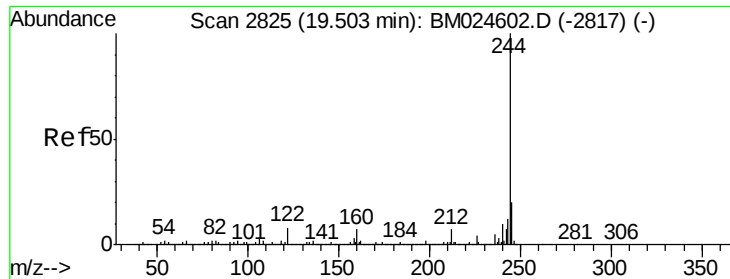
Tot Ion:188 Resp: 1273485  
Ion Ratio Lower Upper  
188 100  
94 6.6 5.0 7.6  
80 7.4 5.8 8.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.04 min Scan# 3087  
Delta R.T. -0.01 min  
Lab File: BM024619.D  
Acq: 24 Jan 2020 13:43

Tgt Ion:240 Resp: 1345865  
Ion Ratio Lower Upper  
240 100  
120 7.4 5.3 7.9  
236 25.5 20.6 31.0





#79

Terphenyl-d14

Concen: 100.936 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM024619.D

Acq: 24 Jan 2020 13:43

Instrument :

BNA\_M

ClientSampleId :

PB125861BL

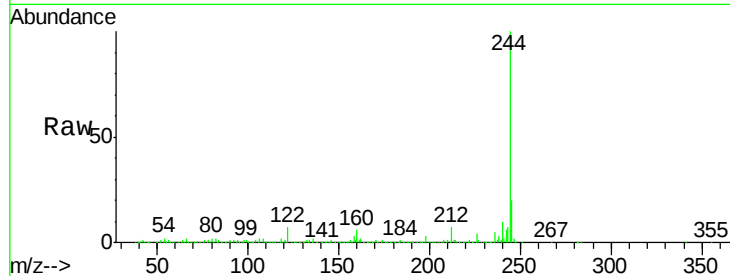
Tot Ion:244 Resp: 7276523

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

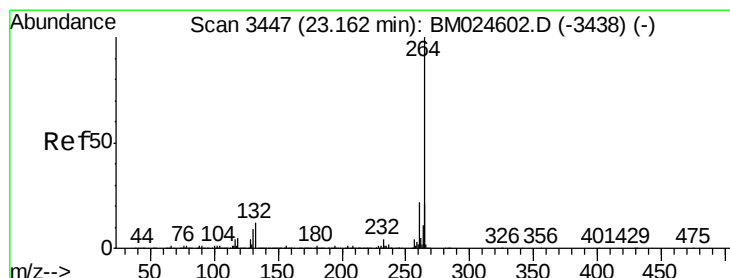
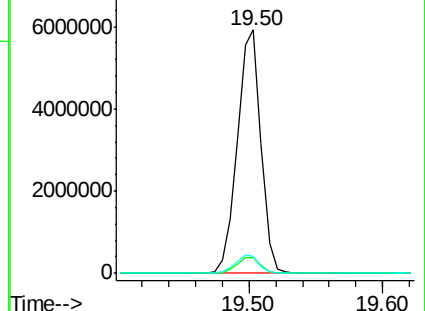
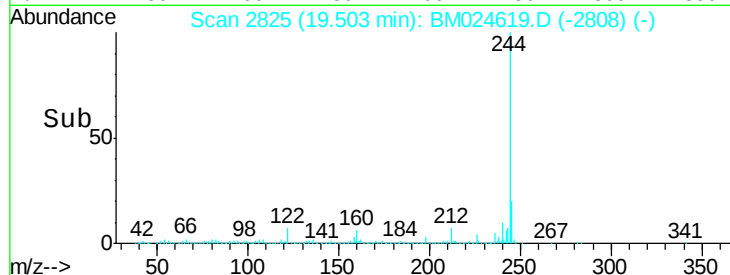
122 7.0 6.2 9.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.16 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM024619.D

Acq: 24 Jan 2020 13:43

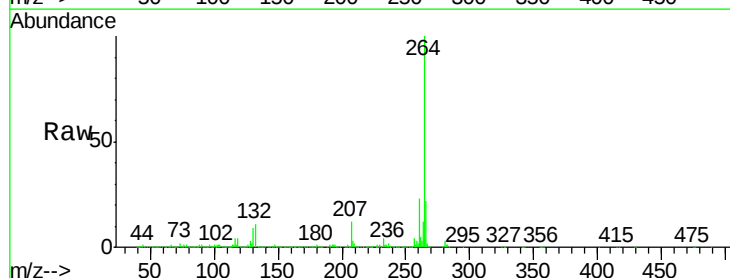
Tgt Ion:264 Resp: 1461623

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 21.7 17.3 25.9



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

