

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090421\  
 Data File : BN016220.D  
 Acq On : 05 Sep 2021 08:34  
 Operator : CG/JU  
 Sample : M3561-13  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 VE2-1

Quant Time: Sep 06 06:22:44 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN090421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 06 02:08:58 2021  
 Response via : Initial Calibration

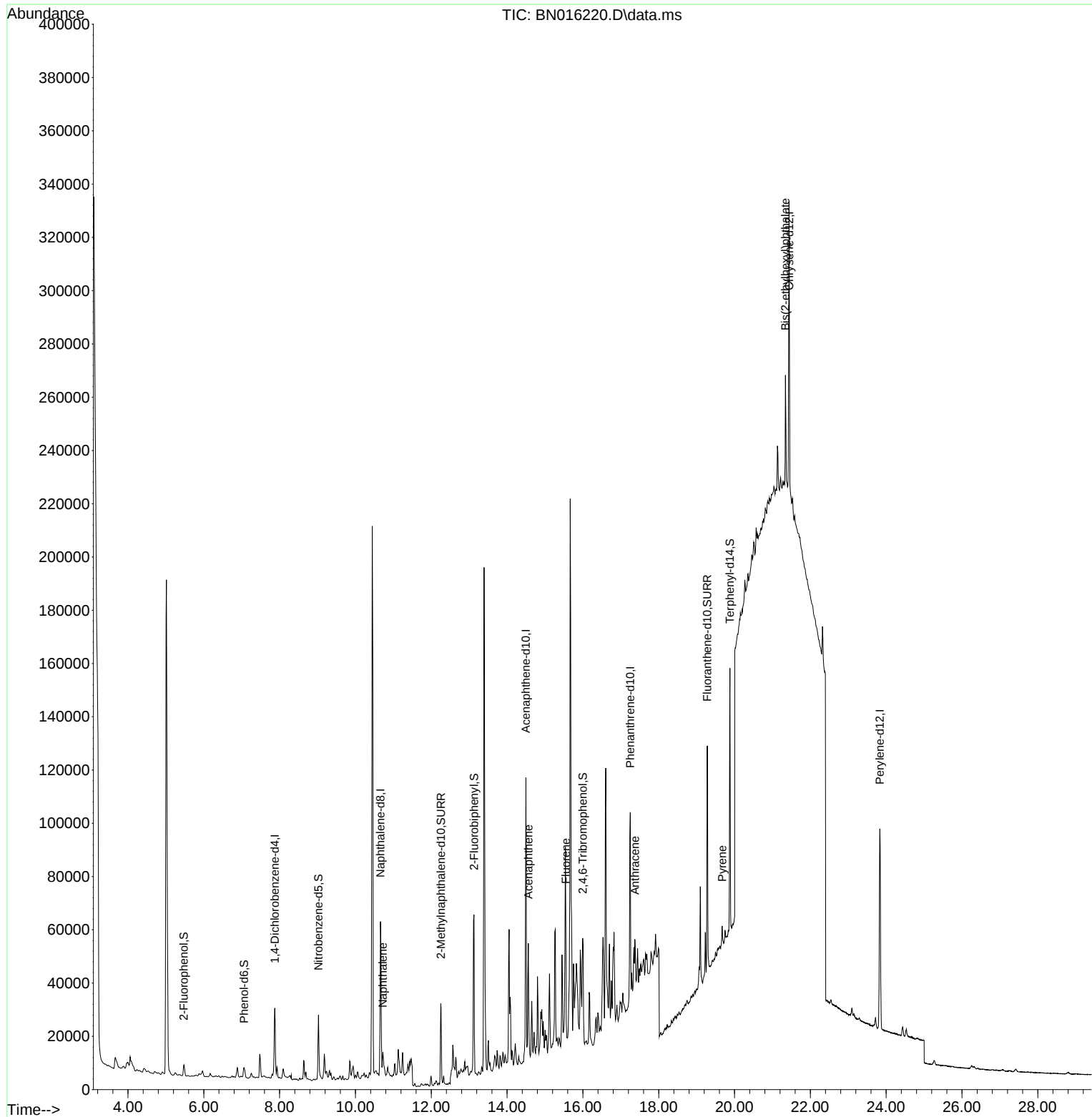
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.873  | 152  | 15803    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.660 | 136  | 84470    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.497 | 164  | 52883    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.248 | 188  | 104199   | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.439 | 240  | 104934   | 0.400 | ng    | # 0.01   |
| 35) Perylene-d12              | 23.833 | 264  | 110104   | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.475  | 112  | 5382     | 0.121 | ng    | 0.02     |
| 5) Phenol-d6                  | 7.061  | 99   | 4070     | 0.071 | ng    | 0.03     |
| 8) Nitrobenzene-d5            | 9.025  | 82   | 20648    | 0.304 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.251 | 152  | 42727    | 0.318 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.994 | 330  | 8646     | 0.366 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.127 | 172  | 62099    | 0.311 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.281 | 212  | 98637    | 0.315 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.877 | 244  | 97518    | 0.368 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.723 | 128  | 6548     | 0.029 | ng    | # 51     |
| 17) Acenaphthene              | 14.560 | 154  | 21736    | 0.145 | ng    | 98       |
| 18) Fluorene                  | 15.550 | 166  | 24134    | 0.128 | ng    | # 90     |
| 26) Anthracene                | 17.370 | 178  | 27232    | 0.098 | ng    | # 80     |
| 30) Pyrene                    | 19.673 | 202  | 8674     | 0.025 | ng    | # 86     |
| 34) Bis(2-ethylhexyl)phtha... | 21.344 | 149  | 37971    | 0.160 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

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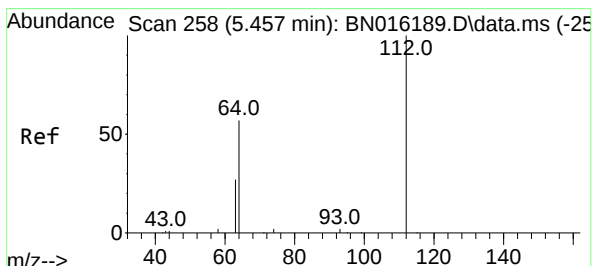
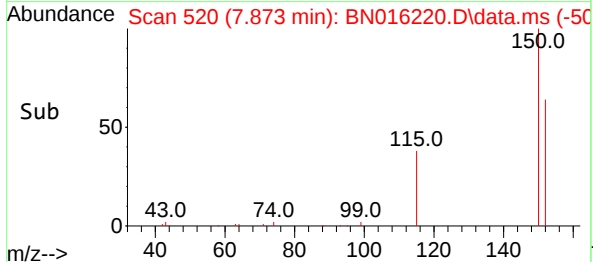
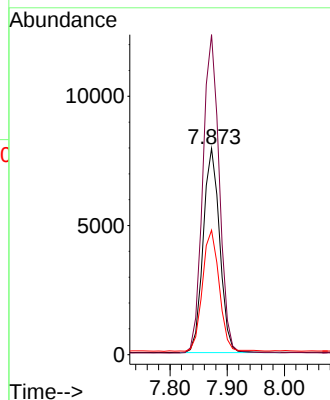
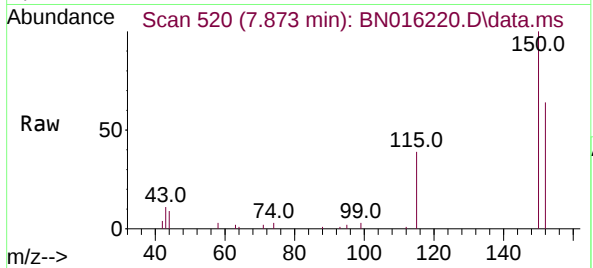




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.873 min Scan# 520  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

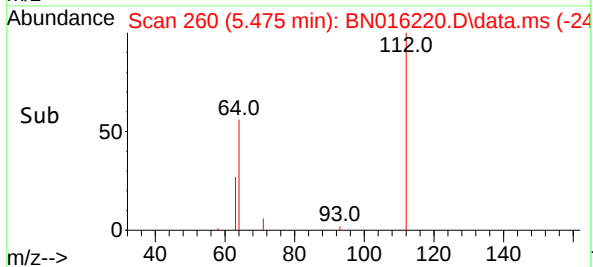
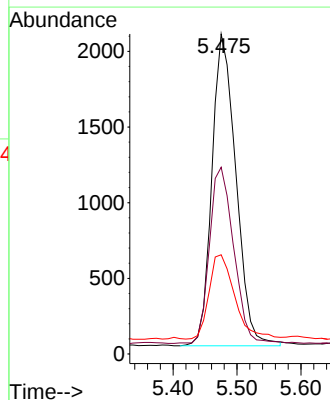
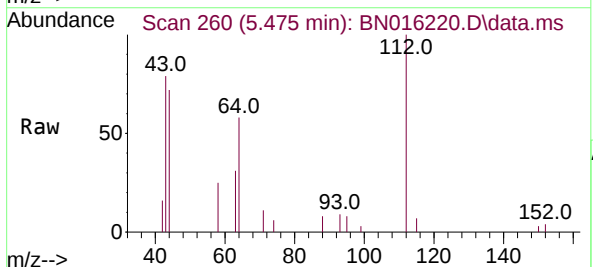
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

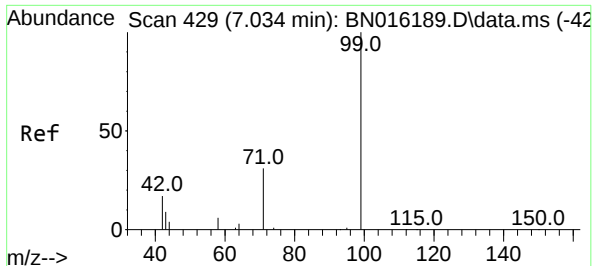
Tgt Ion:152 Resp: 15803  
Ion Ratio Lower Upper  
152 100  
150 155.2 125.3 187.9  
115 60.3 48.4 72.6



#4  
2-Fluorophenol  
Concen: 0.121 ng  
RT: 5.475 min Scan# 260  
Delta R.T. 0.018 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:112 Resp: 5382  
Ion Ratio Lower Upper  
112 100  
64 56.8 46.8 70.2  
63 29.1 22.7 34.1

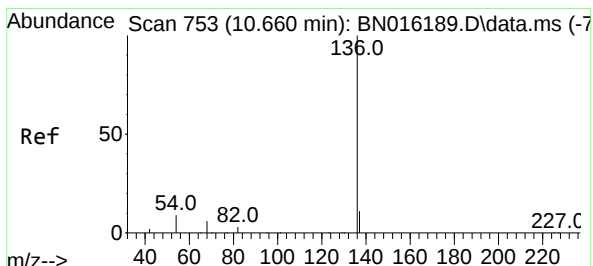
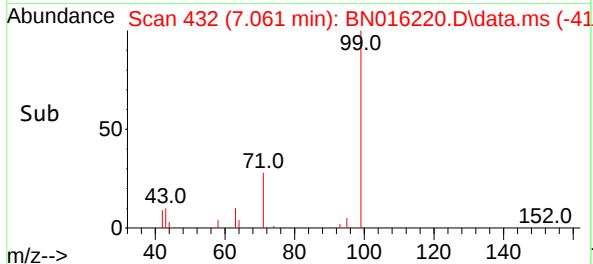
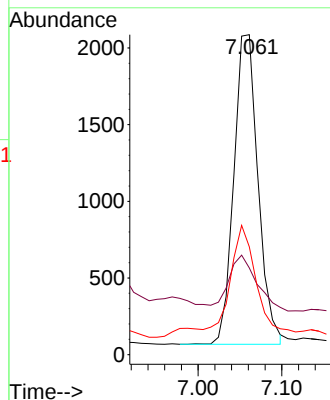
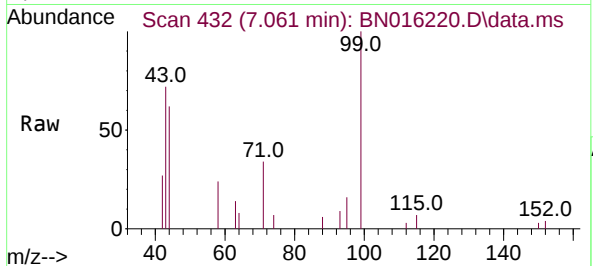




#5  
Phenol-d6  
Concen: 0.071 ng  
RT: 7.061 min Scan# 432  
Delta R.T. 0.027 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

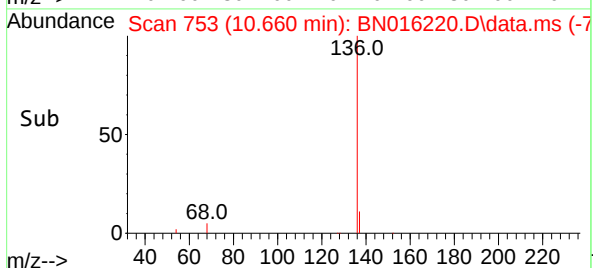
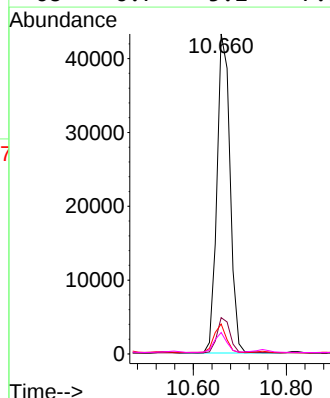
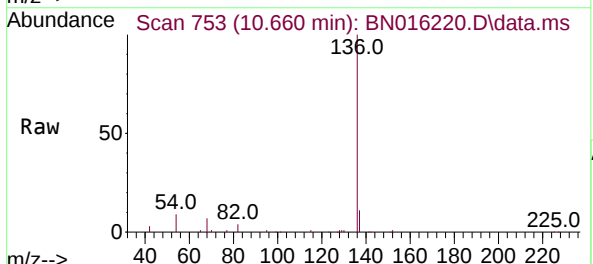
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

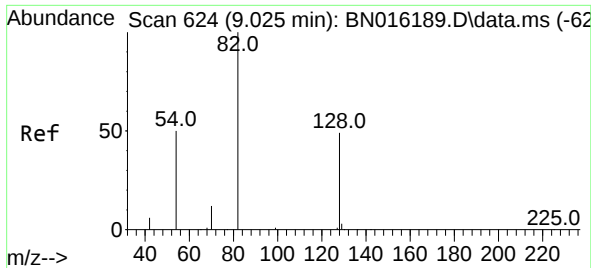
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 4070  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 17.8  | 13.8  | 20.6  |
| 71       | 33.9  | 24.3  | 36.5  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.660 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 84470 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 8.9   | 13.3  |
| 54       | 9.4   | 7.2   | 10.8  |
| 68       | 6.7   | 5.2   | 7.8   |

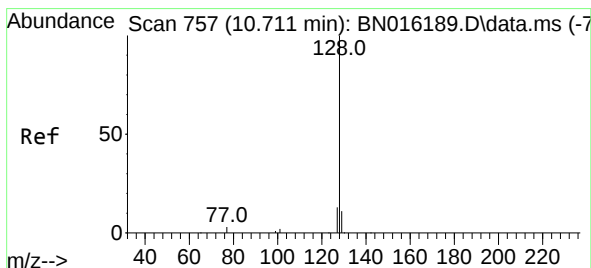
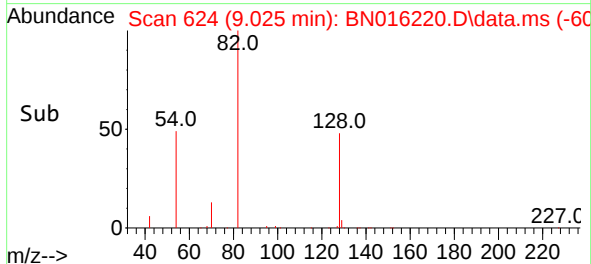
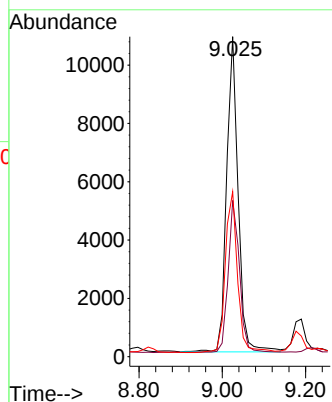
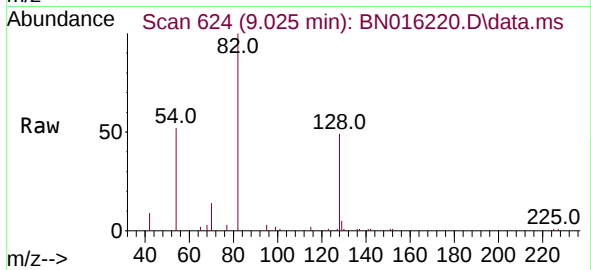




#8  
Nitrobenzene-d5  
Concen: 0.304 ng  
RT: 9.025 min Scan# 624  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

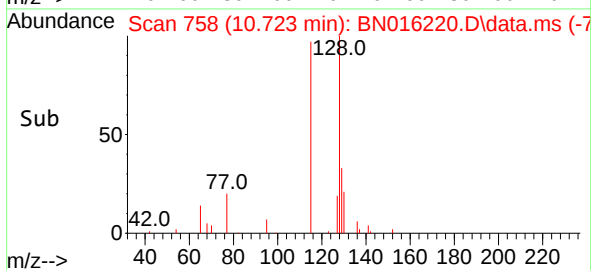
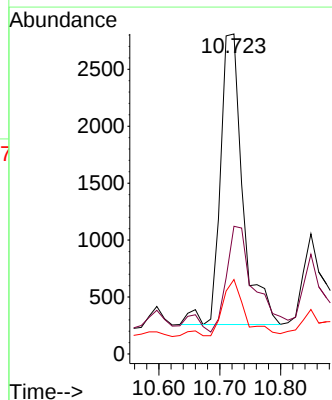
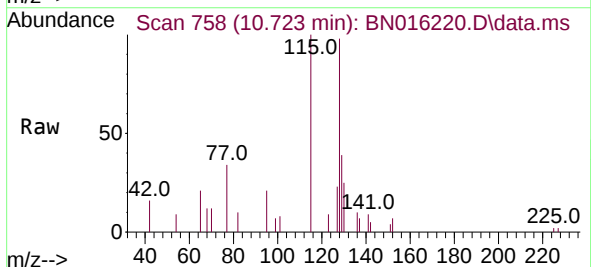
Instrument :  
BNA\_N  
ClientSampleId :  
VE2-1

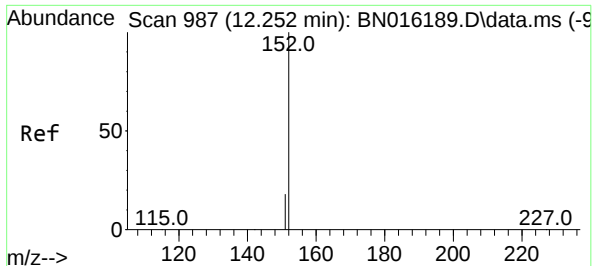
Tgt Ion: 82 Resp: 20648  
Ion Ratio Lower Upper  
82 100  
128 48.8 39.3 58.9  
54 51.5 40.2 60.4



#9  
Naphthalene  
Concen: 0.029 ng  
RT: 10.723 min Scan# 758  
Delta R.T. 0.012 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion: 128 Resp: 6548  
Ion Ratio Lower Upper  
128 100  
129 39.9 8.9 13.3#  
127 23.2 10.4 15.6#

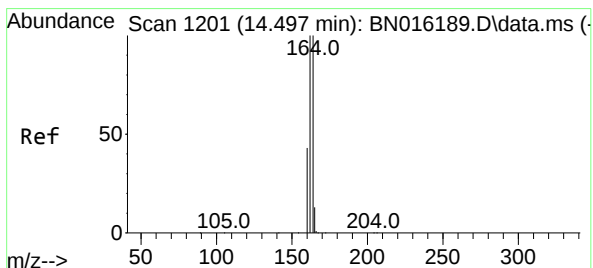
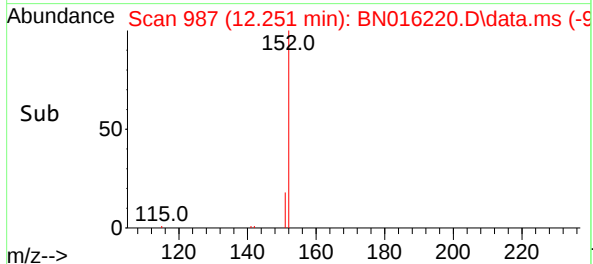
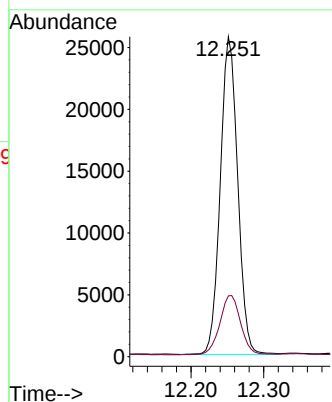
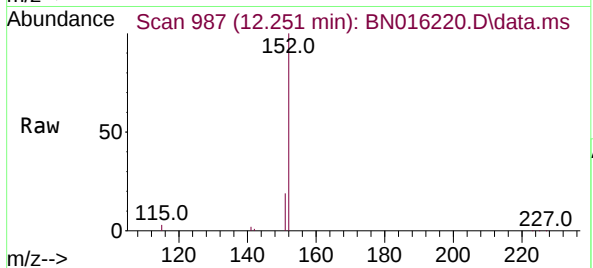




#11  
2-Methylnaphthalene-d10  
Concen: 0.318 ng  
RT: 12.251 min Scan# 987  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

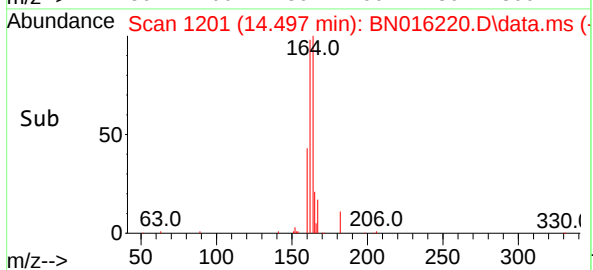
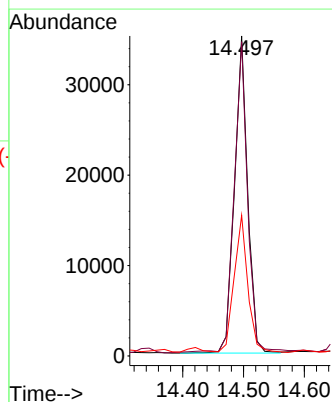
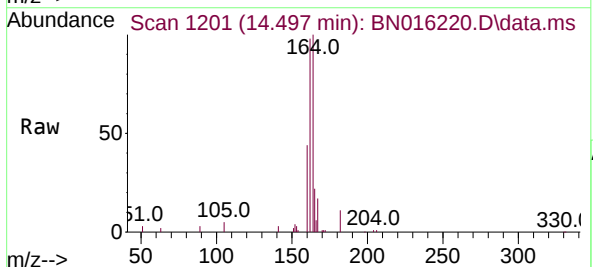
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

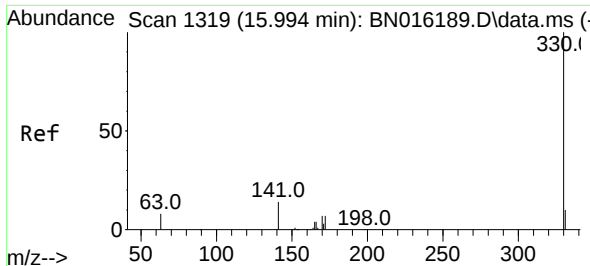
Tgt Ion:152 Resp: 42727  
Ion Ratio Lower Upper  
152 100  
151 22.4 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.497 min Scan# 1201  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:164 Resp: 52883  
Ion Ratio Lower Upper  
164 100  
162 98.2 79.8 119.6  
160 44.0 34.2 51.4

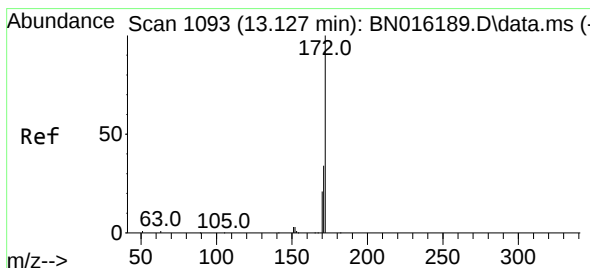
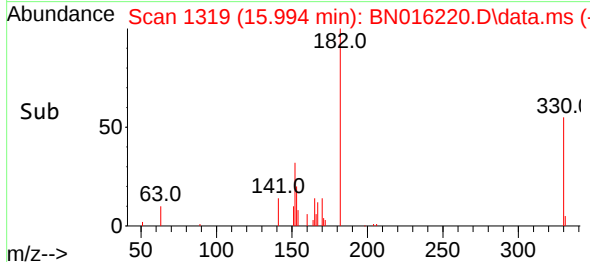
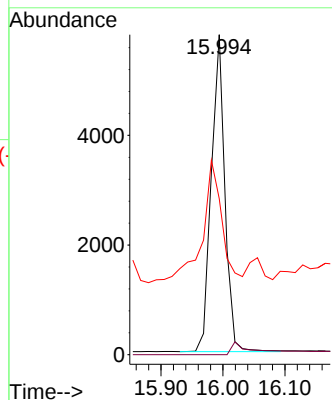
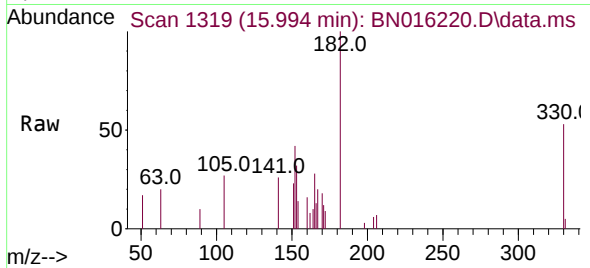




#14  
2,4,6-Tribromophenol  
Concen: 0.366 ng  
RT: 15.994 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

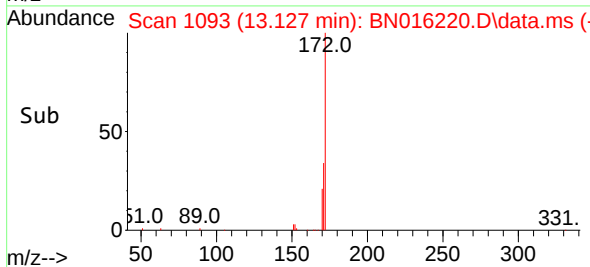
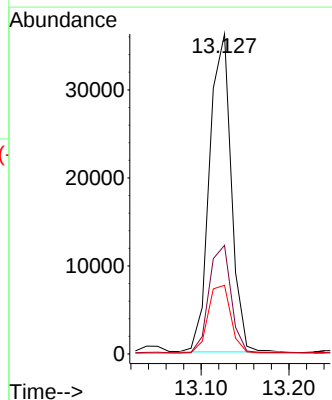
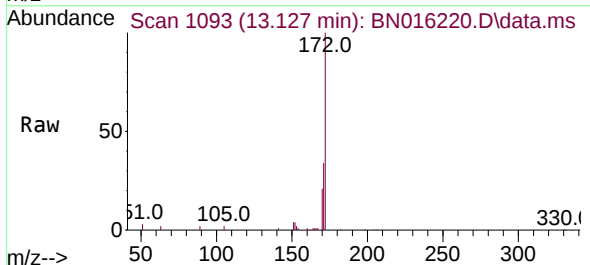
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

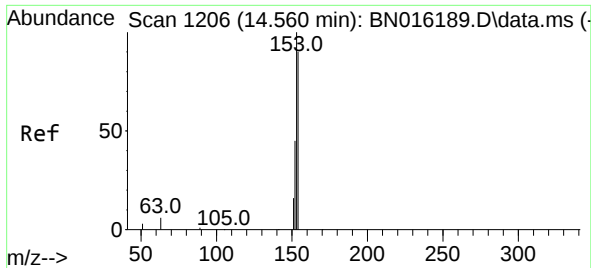
Tgt Ion:330 Resp: 8646  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 48.1 25.4 38.2#



#15  
2-Fluorobiphenyl  
Concen: 0.311 ng  
RT: 13.127 min Scan# 1093  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:172 Resp: 62099  
Ion Ratio Lower Upper  
172 100  
171 33.9 26.9 40.3  
170 21.4 17.1 25.7

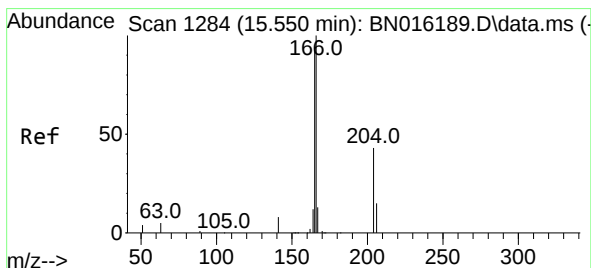
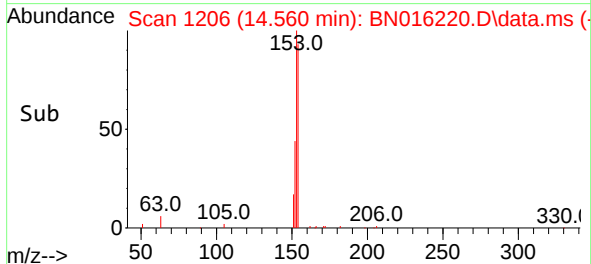
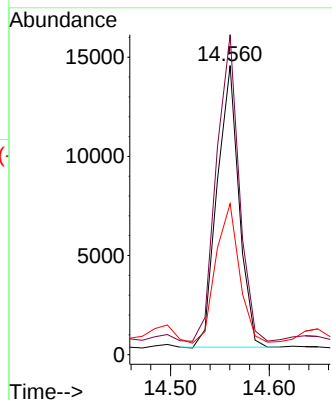
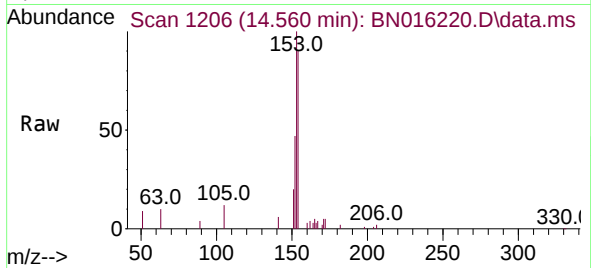




#17  
Acenaphthene  
Concen: 0.145 ng  
RT: 14.560 min Scan# 1206  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

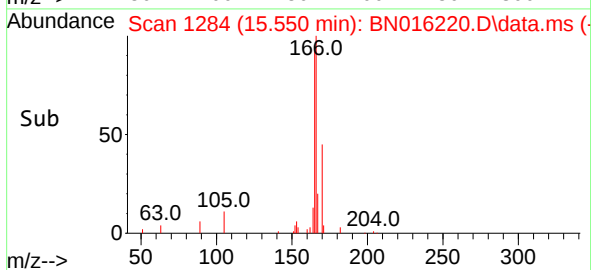
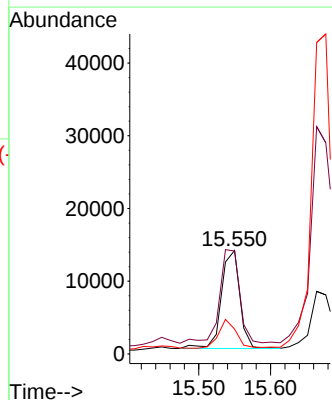
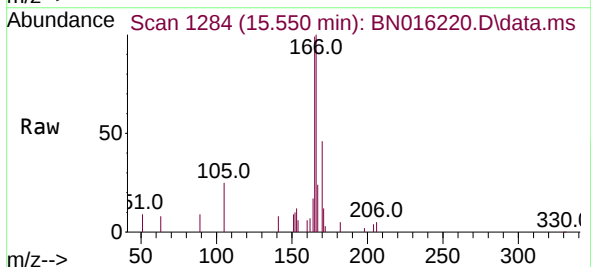
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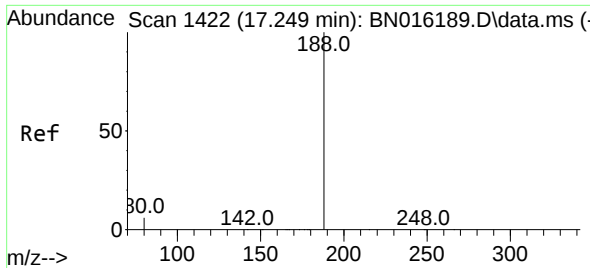
Tgt Ion:154 Resp: 21736  
Ion Ratio Lower Upper  
154 100  
153 112.3 89.1 133.7  
152 53.6 41.2 61.8



#18  
Fluorene  
Concen: 0.128 ng  
RT: 15.550 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:166 Resp: 24134  
Ion Ratio Lower Upper  
166 100  
165 102.9 77.0 115.6  
167 27.9 10.9 16.3#

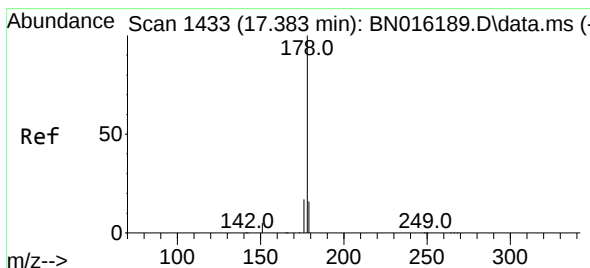
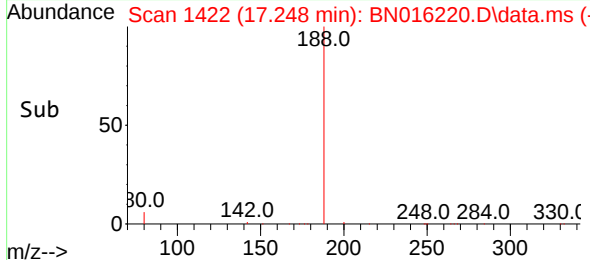
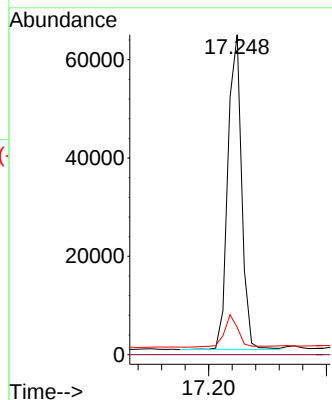
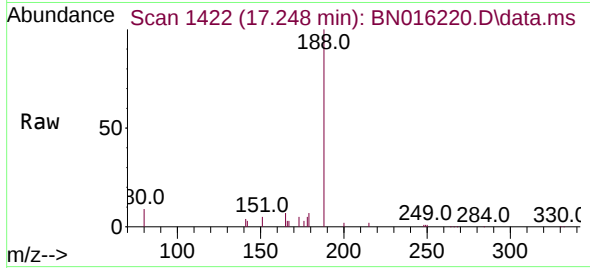




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.248 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

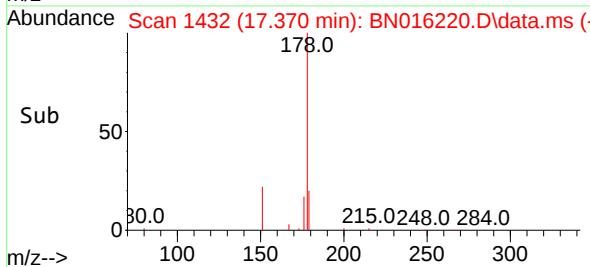
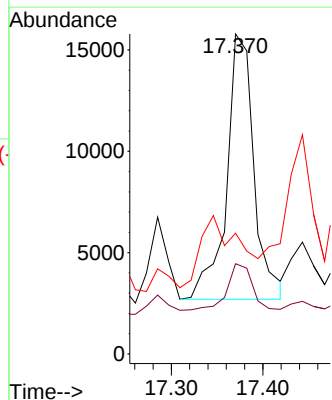
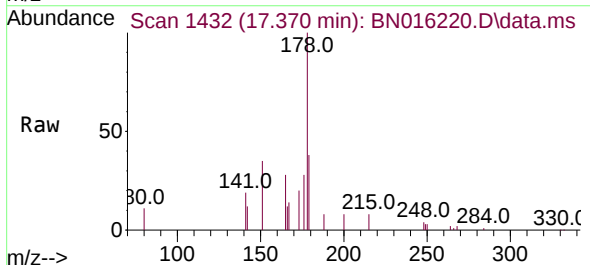
Instrument :  
BNA\_N  
ClientSampleId :  
VE2-1

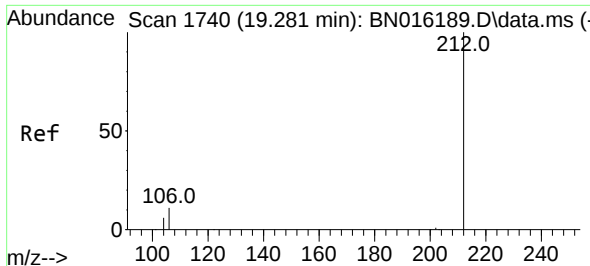
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Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.5 5.0 7.6#



#26  
Anthracene  
Concen: 0.098 ng  
RT: 17.370 min Scan# 1432  
Delta R.T. -0.012 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:178 Resp: 27232  
Ion Ratio Lower Upper  
178 100  
176 15.4 13.8 20.8  
179 0.0 12.4 18.6#

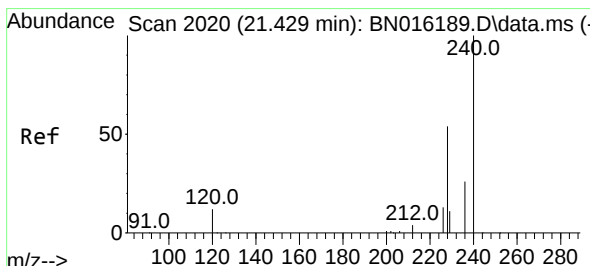
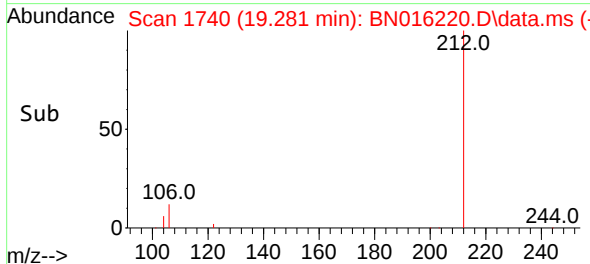
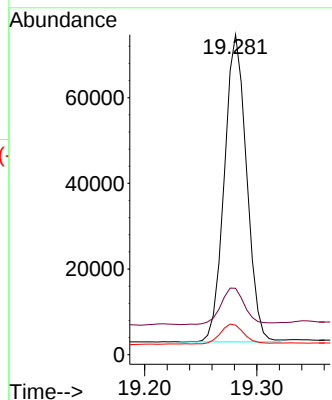
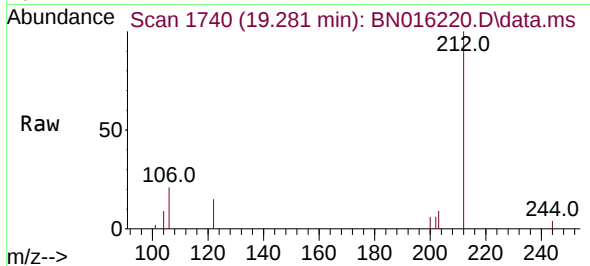




#27  
Fluoranthene-d10  
Concen: 0.315 ng  
RT: 19.281 min Scan# 1740  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

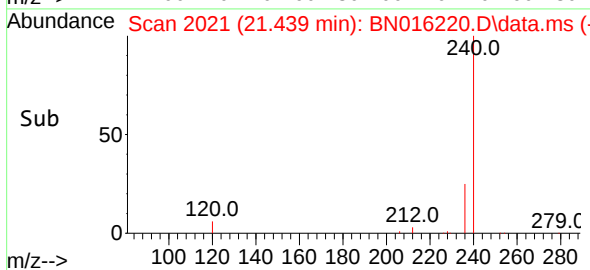
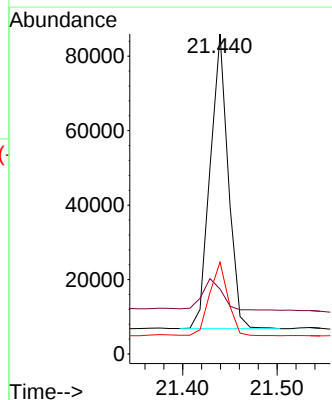
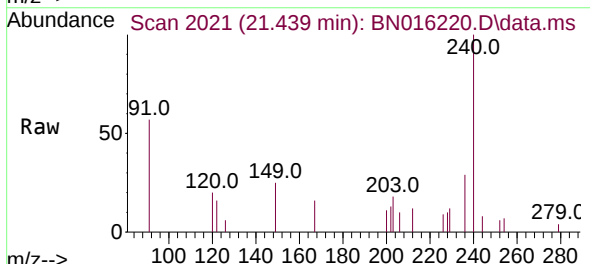
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

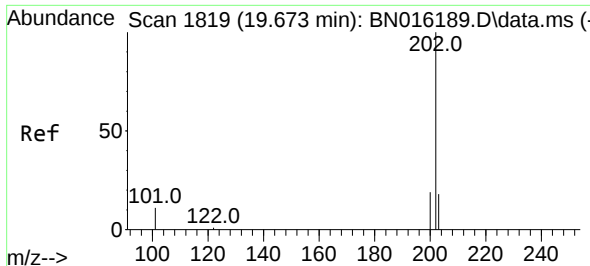
Tgt Ion:212 Resp: 98637  
Ion Ratio Lower Upper  
212 100  
106 12.9 9.7 14.5  
104 6.9 5.4 8.0



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.439 min Scan# 2021  
Delta R.T. 0.010 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:240 Resp: 104934  
Ion Ratio Lower Upper  
240 100  
120 20.3 10.0 15.0#  
236 28.7 20.9 31.3

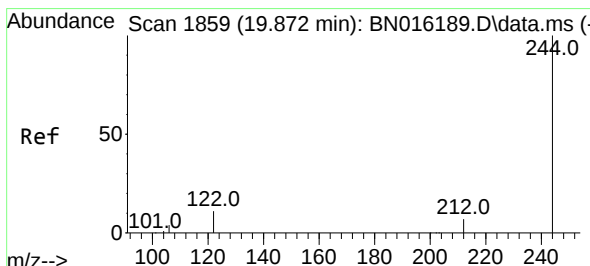
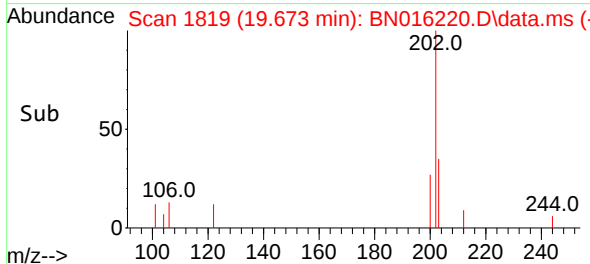
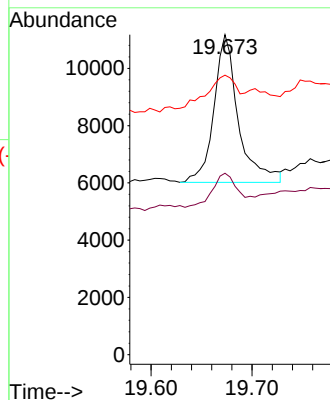
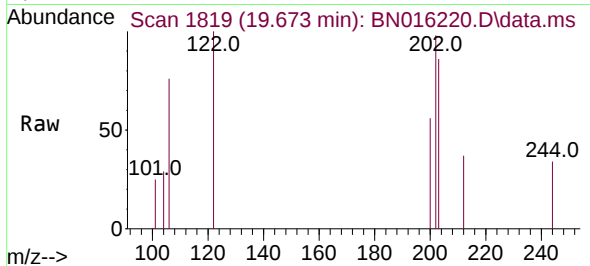




#30  
Pyrene  
Concen: 0.025 ng  
RT: 19.673 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

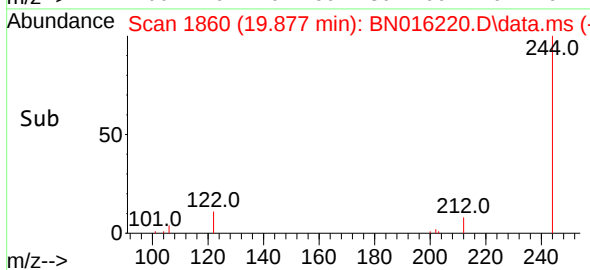
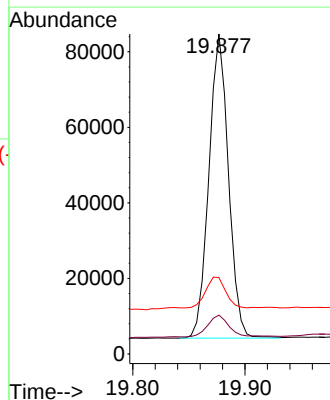
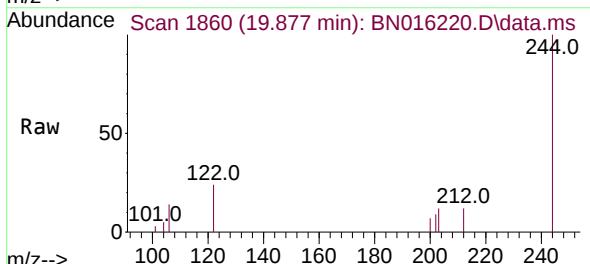
Instrument :  
BNA\_N  
ClientSampled :  
VE2-1

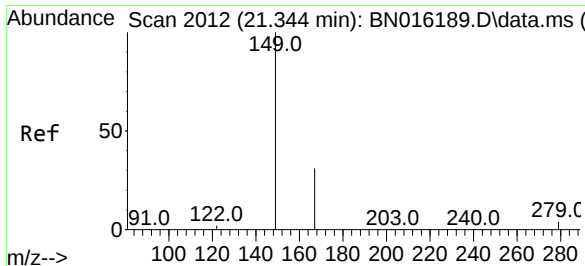
Tgt Ion:202 Resp: 8674  
Ion Ratio Lower Upper  
202 100  
200 22.8 15.8 23.8  
203 27.6 14.1 21.1#



#31  
Terphenyl-d14  
Concen: 0.368 ng  
RT: 19.877 min Scan# 1860  
Delta R.T. 0.005 min  
Lab File: BN016220.D  
Acq: 05 Sep 2021 08:34

Tgt Ion:244 Resp: 97518  
Ion Ratio Lower Upper  
244 100  
212 12.1 5.5 8.3#  
122 23.9 9.0 13.4#

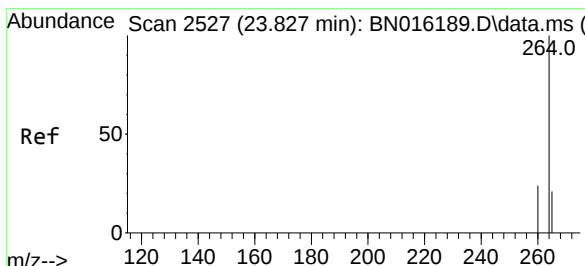
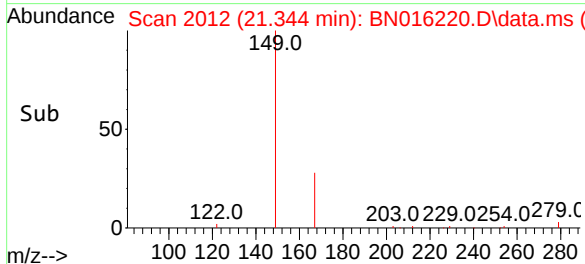
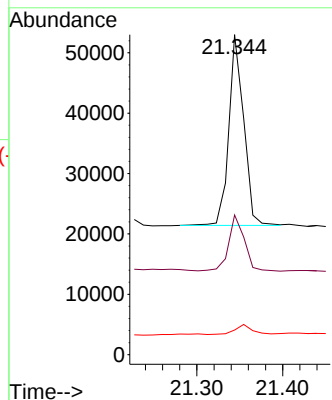
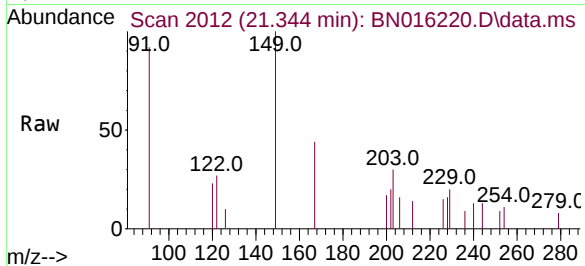




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.160 ng  
 RT: 21.344 min Scan# 2012  
 Delta R.T. -0.000 min  
 Lab File: BN016220.D  
 Acq: 05 Sep 2021 08:34

Instrument :  
 BNA\_N  
 ClientSampleId :  
 VE2-1

Tgt Ion:149 Resp: 37971  
 Ion Ratio Lower Upper  
 149 100  
 167 30.9 24.2 36.4  
 279 5.9 4.0 6.0



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.833 min Scan# 2529  
 Delta R.T. 0.007 min  
 Lab File: BN016220.D  
 Acq: 05 Sep 2021 08:34

Tgt Ion:264 Resp: 110104  
 Ion Ratio Lower Upper  
 264 100  
 260 26.4 19.5 29.3  
 265 34.0 20.2 30.2#

