

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
 Data File : BN027205.D  
 Acq On : 28 Aug 2023 00:57  
 Operator : MA/JU  
 Sample : 04051-07  
 Misc :  
 ALS Vial : 96 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D1-20230816

Quant Time: Aug 28 01:28:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 26 02:13:59 2023  
 Response via : Initial Calibration

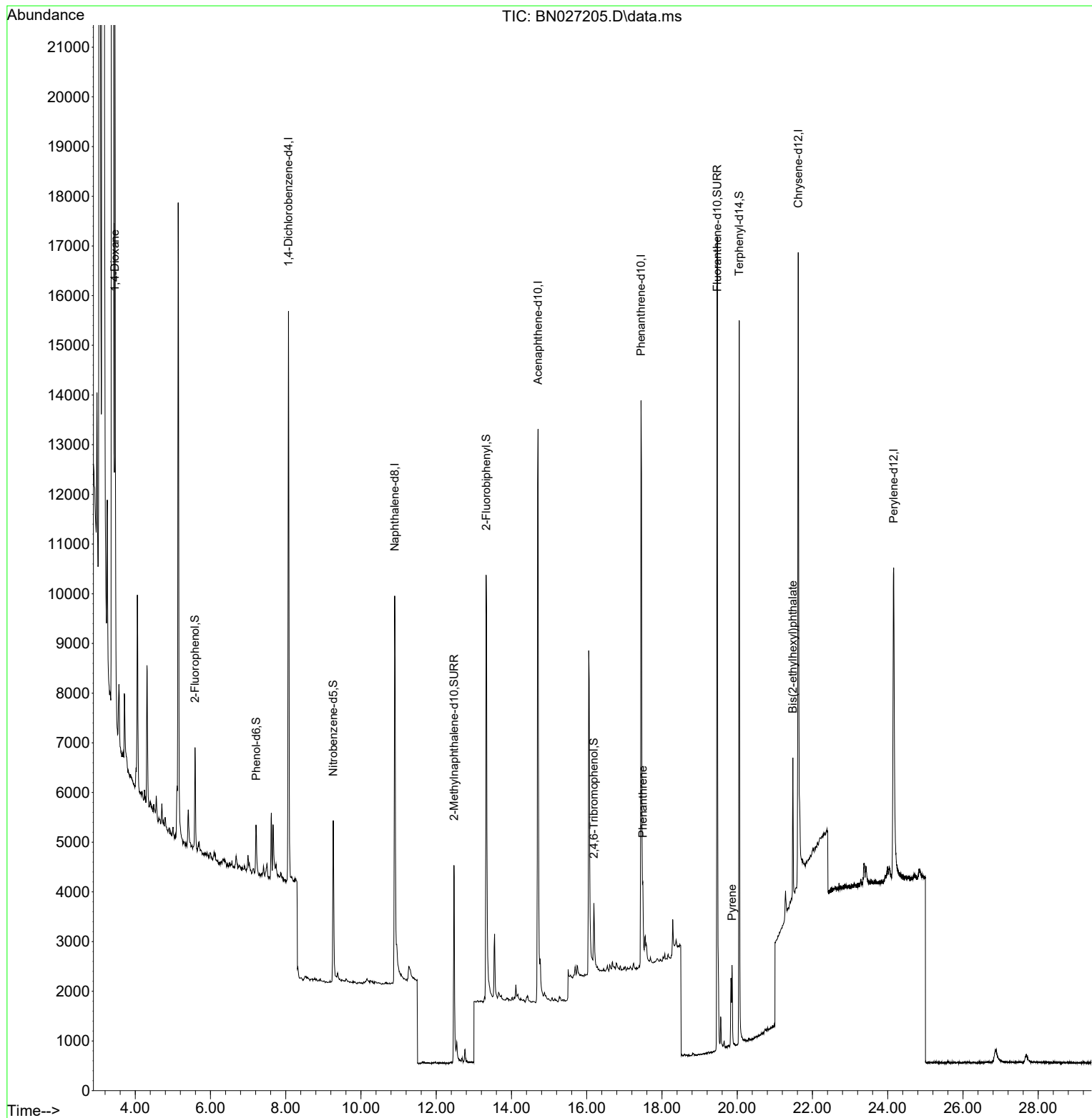
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.073  | 152  | 5691     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.895 | 136  | 13248    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.705 | 164  | 8382     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.443 | 188  | 18785    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.623 | 240  | 14209    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.156 | 264  | 12131    | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.589  | 112  | 1709     | 0.107 | ng    | -0.01    |
| 5) Phenol-d6                  | 7.214  | 99   | 1095     | 0.055 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.262  | 82   | 2987     | 0.267 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.472 | 152  | 6349     | 0.302 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.189 | 330  | 863      | 0.193 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.326 | 172  | 9968     | 0.320 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.467 | 212  | 18261    | 0.379 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.053 | 244  | 14081    | 0.474 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.458  | 88   | 9227     | 1.508 | ng    | # 95     |
| 25) Phenanthrene              | 17.492 | 178  | 1502     | 0.028 | ng    | # 93     |
| 30) Pyrene                    | 19.862 | 202  | 1464     | 0.027 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.480 | 149  | 2930     | 0.079 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

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

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Sample : 04051-07  
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ALS Vial : 96 Sample Multiplier: 1

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RE139D1-20230816

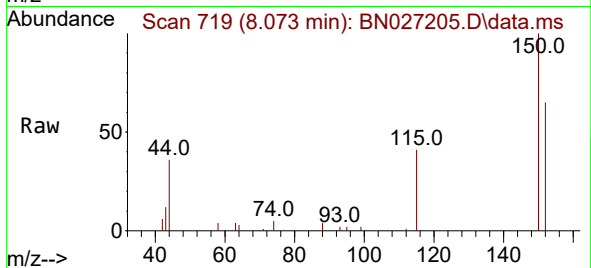
Quant Time: Aug 28 01:28:05 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 26 02:13:59 2023  
Response via : Initial Calibration



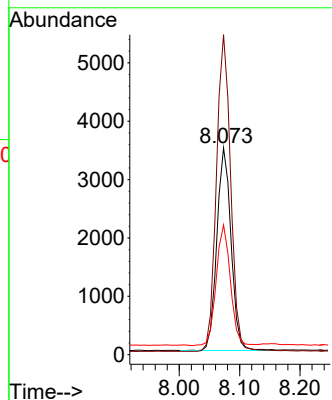
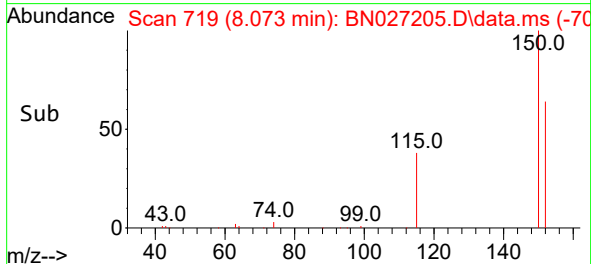


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.073 min Scan# 71  
 Delta R.T. -0.015 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57

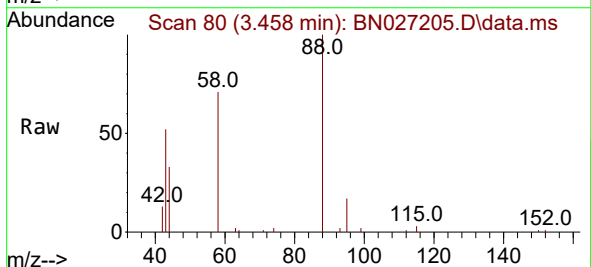
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D1-20230816



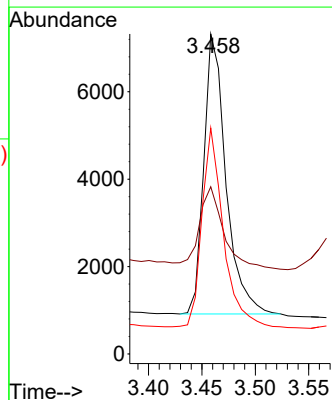
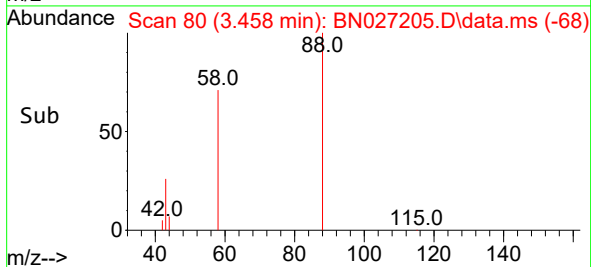
Tgt Ion:152 Resp: 5691  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 123.8 185.6  
 115 62.7 49.7 74.5



#2  
 1,4-Dioxane  
 Concen: 1.508 ng  
 RT: 3.458 min Scan# 80  
 Delta R.T. -0.014 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57



Tgt Ion: 88 Resp: 9227  
 Ion Ratio Lower Upper  
 88 100  
 43 33.3 19.2 28.8#  
 58 68.3 54.5 81.7

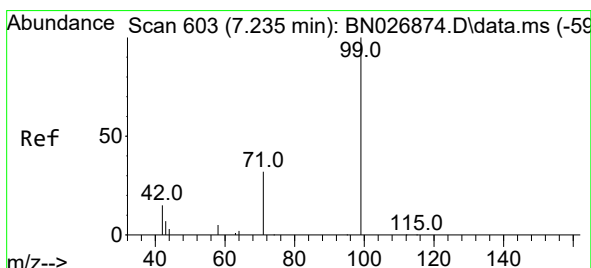
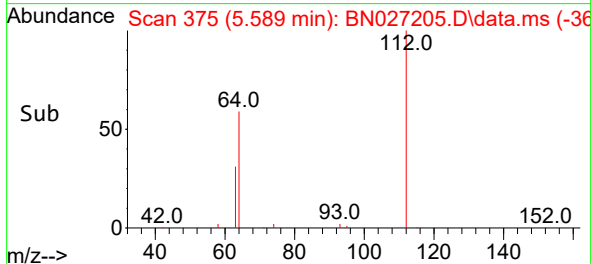
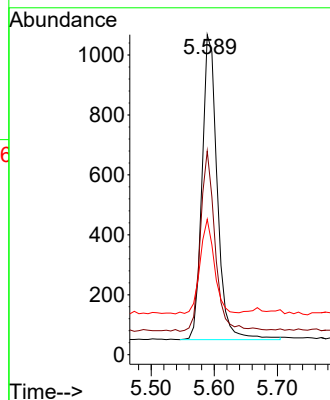
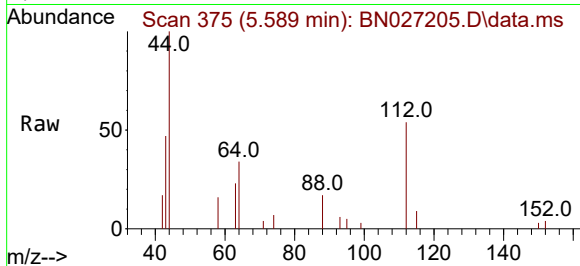




#4  
2-Fluorophenol  
Concen: 0.107 ng  
RT: 5.589 min Scan# 31  
Delta R.T. -0.014 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

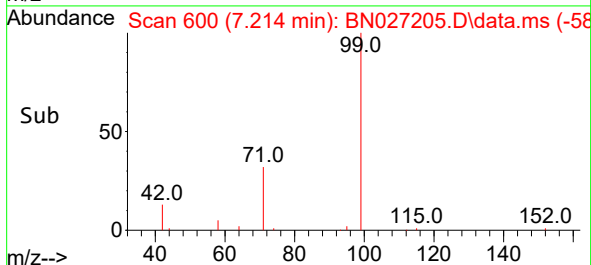
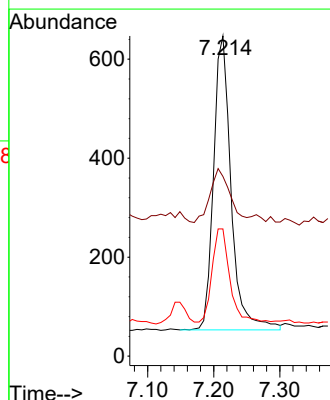
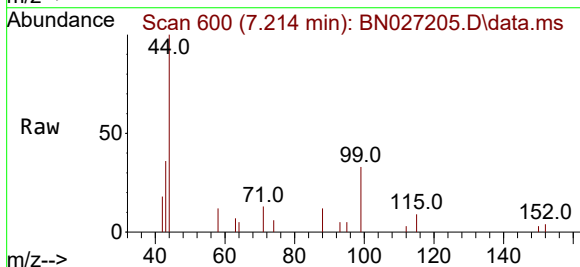
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D1-20230816

Tgt Ion:112 Resp: 1709  
Ion Ratio Lower Upper  
112 100  
64 57.1 41.5 62.3  
63 29.4 21.7 32.5



#5  
Phenol-d6  
Concen: 0.055 ng  
RT: 7.214 min Scan# 600  
Delta R.T. -0.007 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Tgt Ion: 99 Resp: 1095  
Ion Ratio Lower Upper  
99 100  
42 20.5 13.6 20.4#  
71 31.4 26.0 39.0

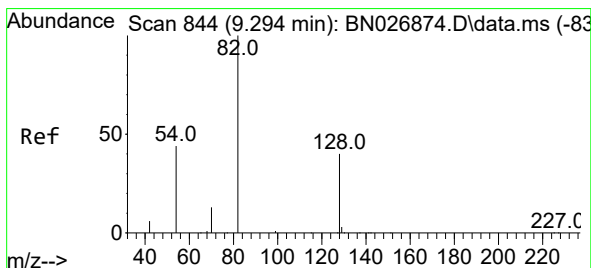
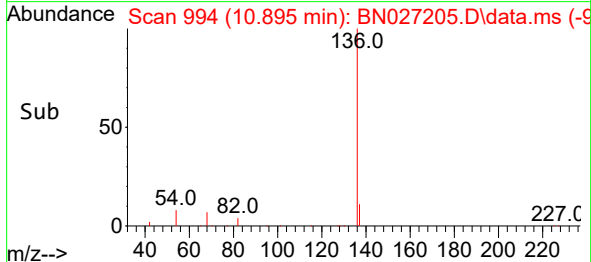
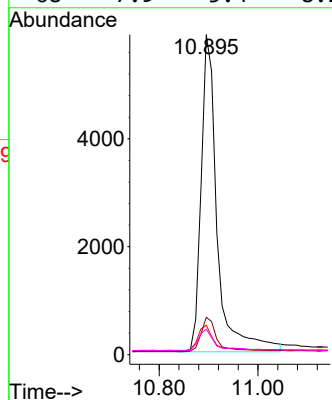
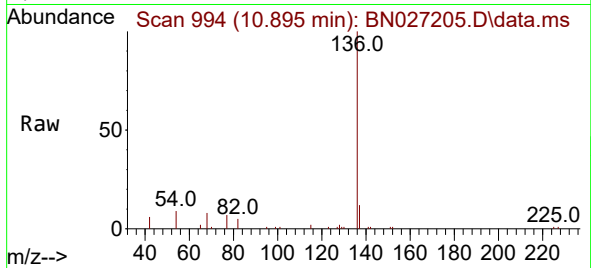




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.895 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

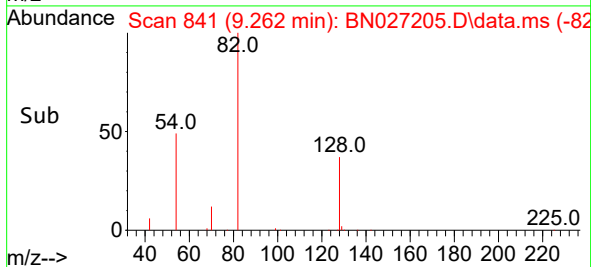
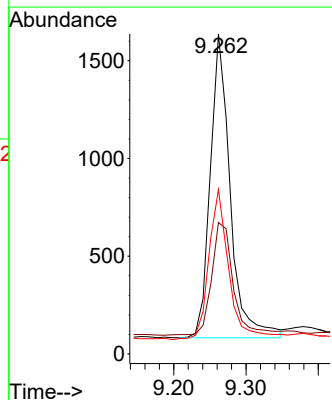
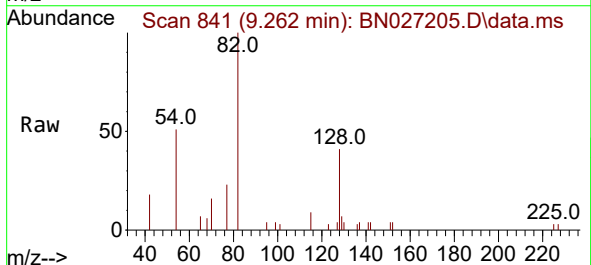
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D1-20230816

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13248 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 9.0   | 13.6  |
| 54       | 9.2   | 5.5   | 8.3   |
| 68       | 7.9   | 5.4   | 8.2   |



#8  
Nitrobenzene-d5  
Concen: 0.267 ng  
RT: 9.262 min Scan# 841  
Delta R.T. -0.011 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2987  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.1  | 34.1  | 51.1  |
| 54       | 51.4  | 37.0  | 55.4  |

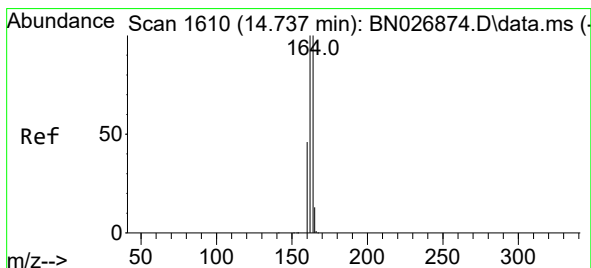
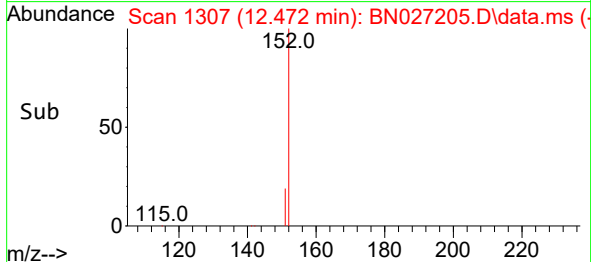
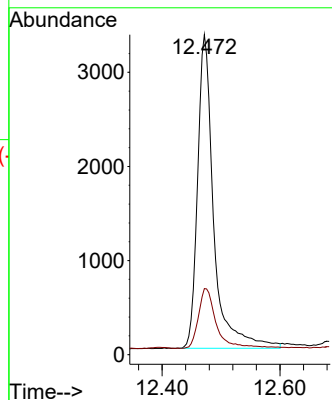
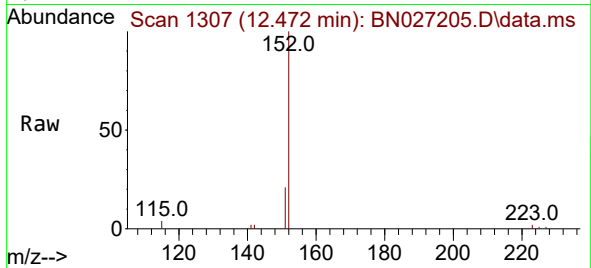




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.302 ng  
 RT: 12.472 min Scan# 11  
 Delta R.T. -0.011 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57

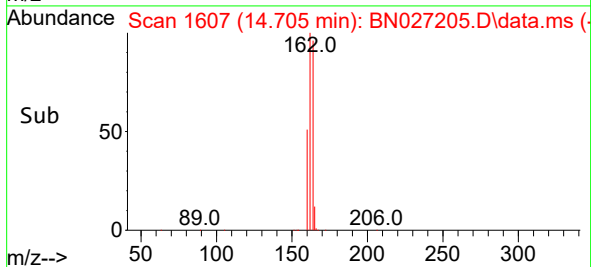
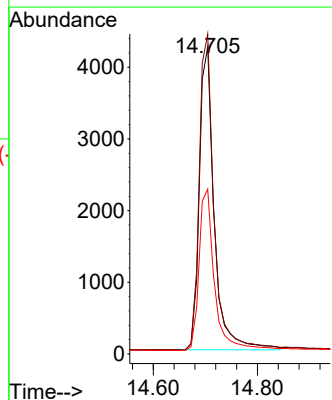
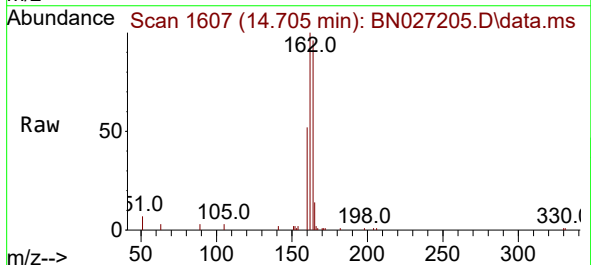
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D1-20230816

Tgt Ion:152 Resp: 6349  
 Ion Ratio Lower Upper  
 152 100  
 151 21.6 16.3 24.5



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.705 min Scan# 1607  
 Delta R.T. 0.000 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57

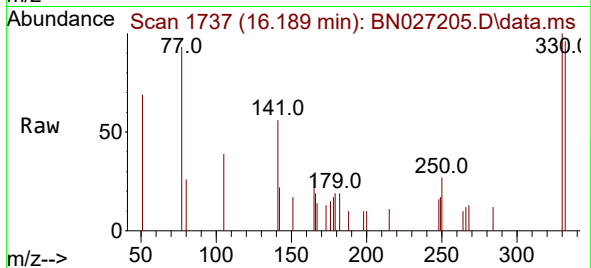
Tgt Ion:164 Resp: 8382  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 79.7 119.5  
 160 53.7 37.4 56.0



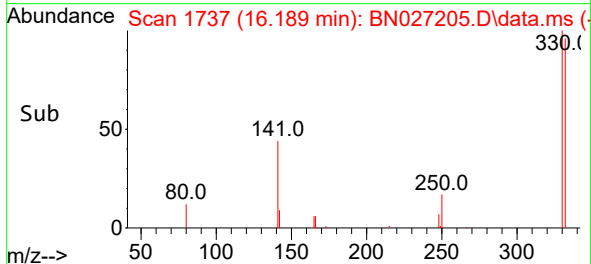
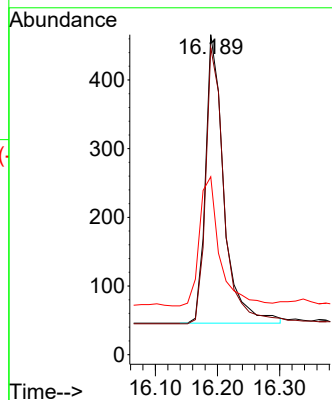


#14  
2,4,6-Tribromophenol  
Concen: 0.193 ng  
RT: 16.189 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Instrument :  
BNA\_N  
ClientSampleId :  
RE139D1-20230816

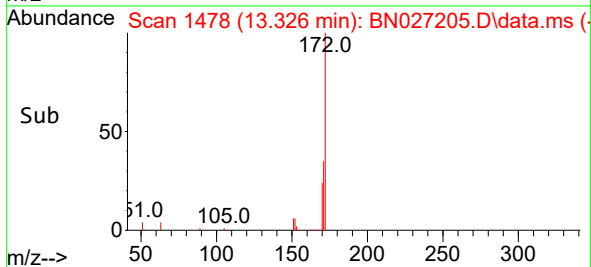
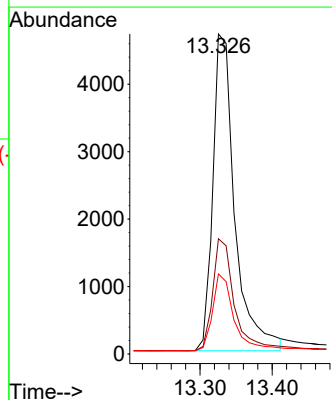
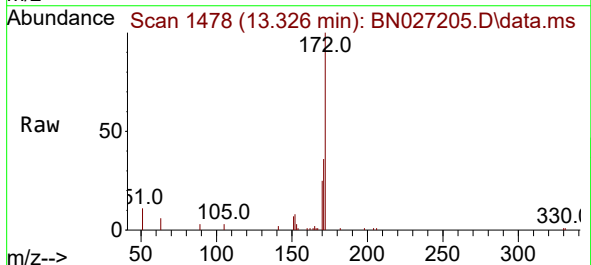


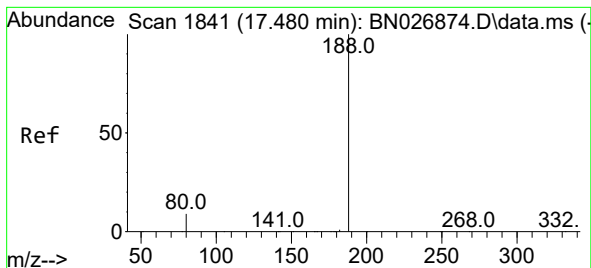
Tgt Ion:330 Resp: 863  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.6 114.8  
141 49.7 32.3 48.5#



#15  
2-Fluorobiphenyl  
Concen: 0.320 ng  
RT: 13.326 min Scan# 1478  
Delta R.T. -0.011 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Tgt Ion:172 Resp: 9968  
Ion Ratio Lower Upper  
172 100  
171 36.0 27.4 41.0  
170 25.0 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BN027205.D

Acq: 28 Aug 2023 00:57

Instrument :

BNA\_N

ClientSampleId :

RE139D1-20230816

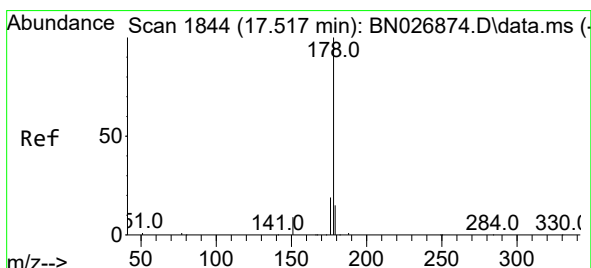
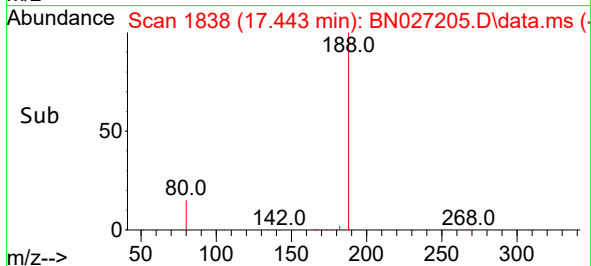
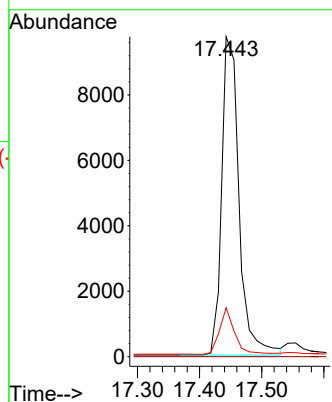
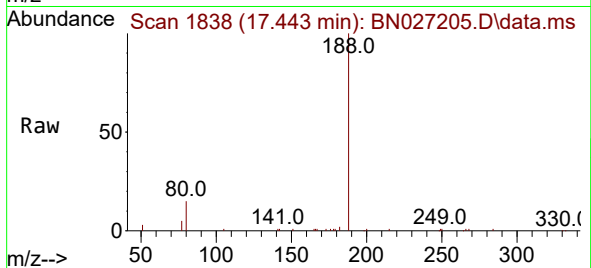
Tgt Ion:188 Resp: 18785

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.3 7.4 11.2#



#25

Phenanthrene

Concen: 0.028 ng

RT: 17.492 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BN027205.D

Acq: 28 Aug 2023 00:57

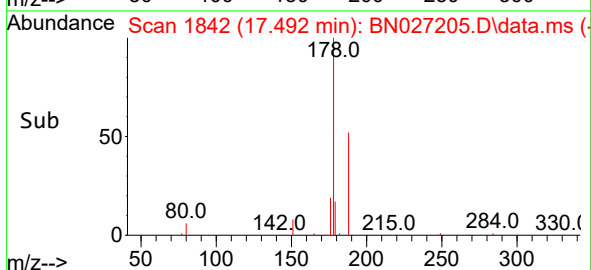
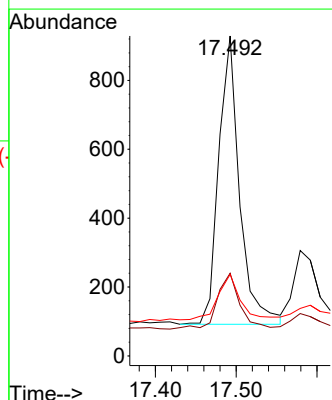
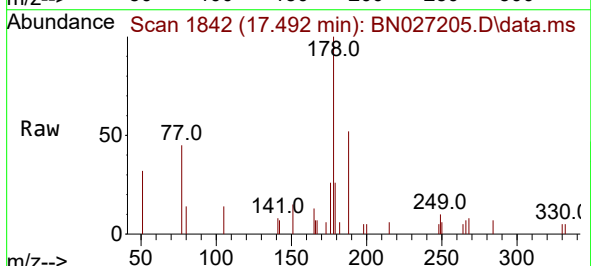
Tgt Ion:178 Resp: 1502

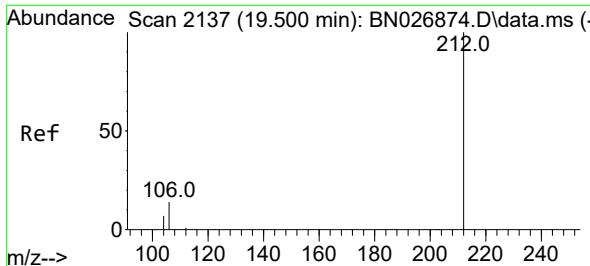
Ion Ratio Lower Upper

178 100

176 20.9 15.3 22.9

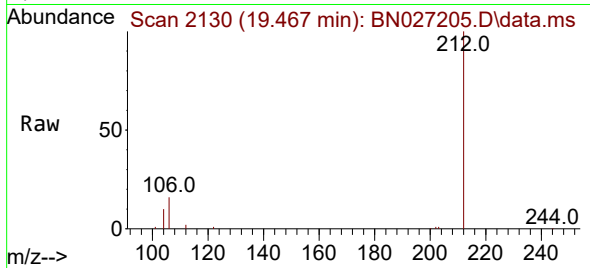
179 19.7 12.2 18.4#



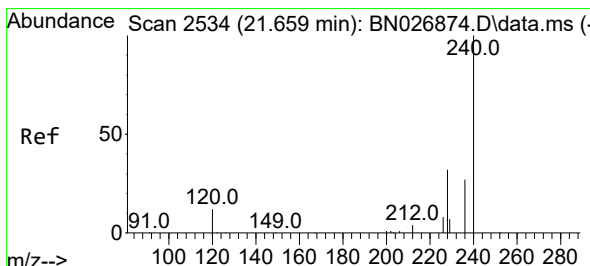
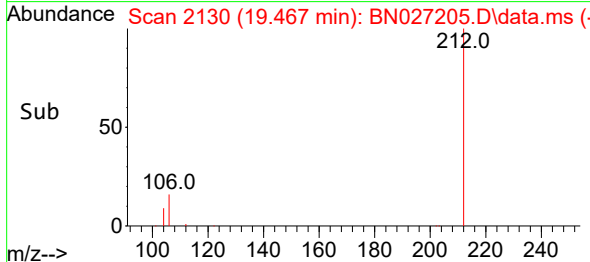
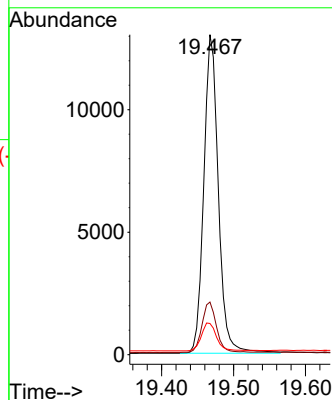


#27  
Fluoranthene-d10  
Concen: 0.379 ng  
RT: 19.467 min Scan# 2137  
Delta R.T. -0.009 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Instrument :  
BNA\_N  
ClientSampleId :  
RE139D1-20230816

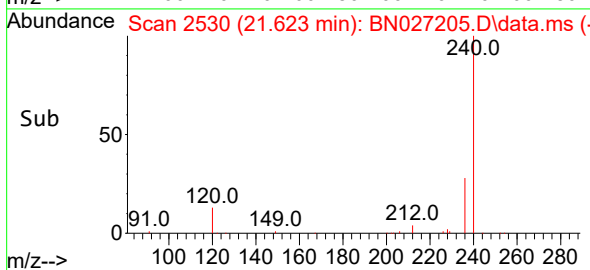
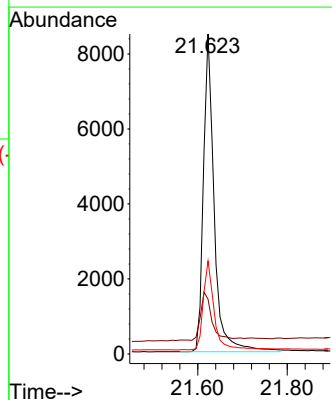
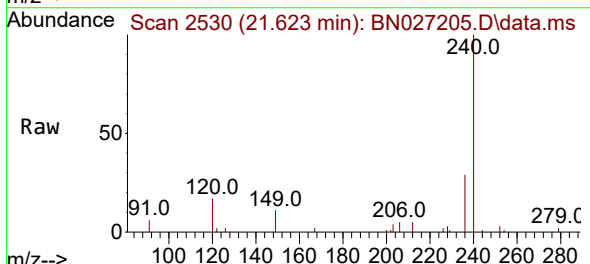


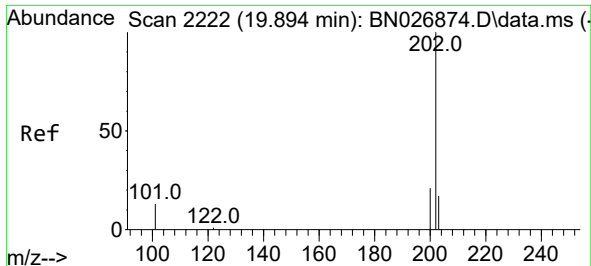
Tgt Ion:212 Resp: 18261  
Ion Ratio Lower Upper  
212 100  
106 15.8 10.9 16.3  
104 9.1 5.9 8.9#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.623 min Scan# 2530  
Delta R.T. -0.009 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Tgt Ion:240 Resp: 14209  
Ion Ratio Lower Upper  
240 100  
120 17.1 11.1 16.7#  
236 29.1 22.2 33.2

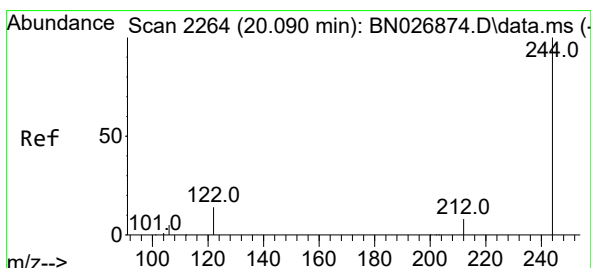
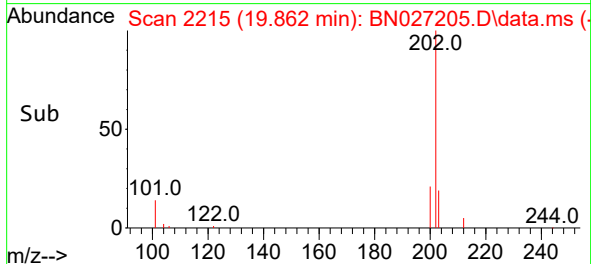
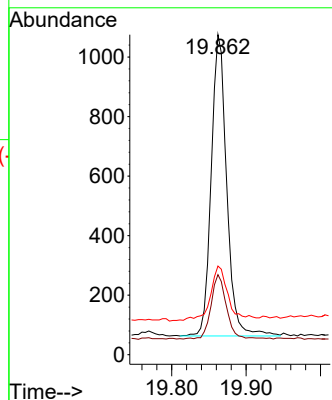
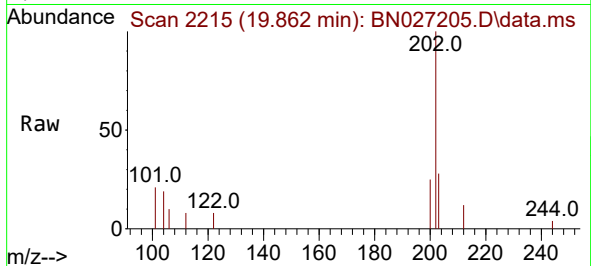




#30  
Pyrene  
Concen: 0.027 ng  
RT: 19.862 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

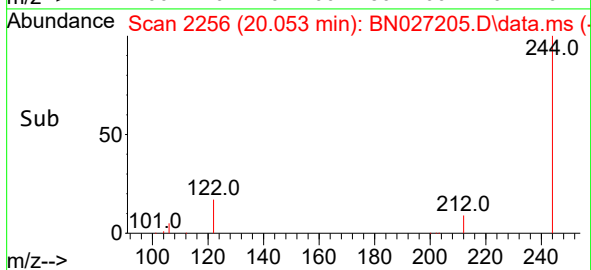
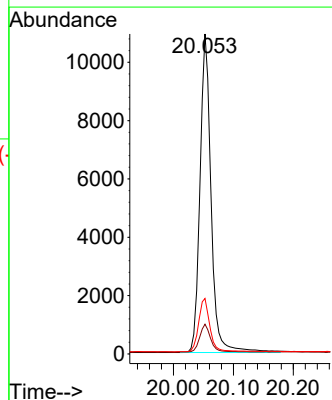
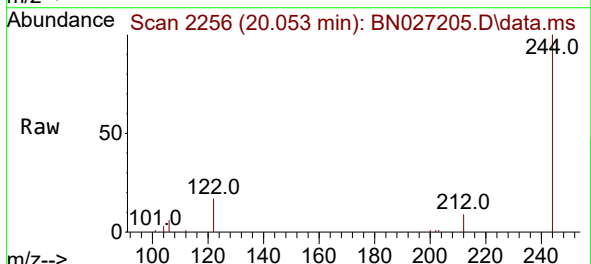
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D1-20230816

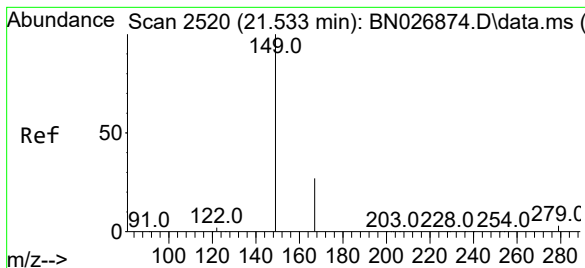
Tgt Ion:202 Resp: 1464  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.6 25.0  
203 20.4 14.4 21.6



#31  
Terphenyl-d14  
Concen: 0.474 ng  
RT: 20.053 min Scan# 2256  
Delta R.T. -0.009 min  
Lab File: BN027205.D  
Acq: 28 Aug 2023 00:57

Tgt Ion:244 Resp: 14081  
Ion Ratio Lower Upper  
244 100  
212 9.3 6.9 10.3  
122 17.4 11.9 17.9

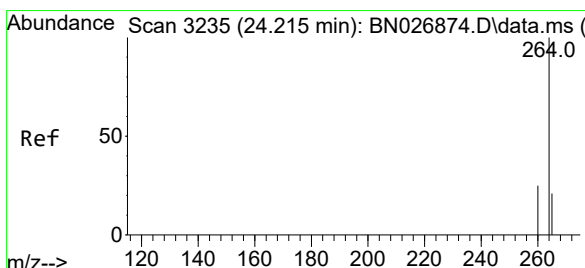
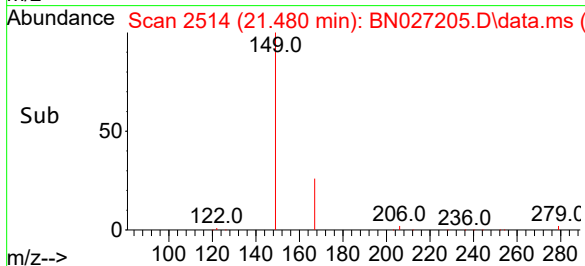
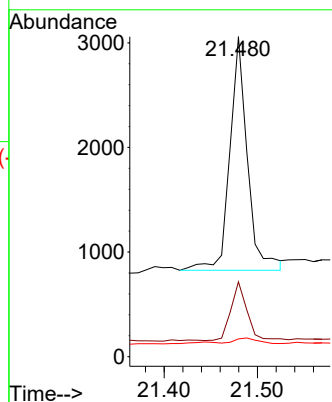
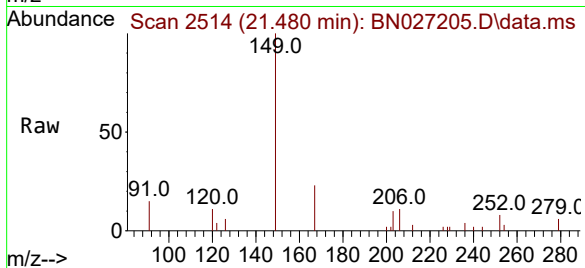




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.079 ng  
 RT: 21.480 min Scan# 2149  
 Delta R.T. -0.018 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D1-20230816

Tgt Ion:149 Resp: 2930  
 Ion Ratio Lower Upper  
 149 100  
 167 23.3 21.4 32.0  
 279 2.9 3.6 5.4#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.156 min Scan# 3215  
 Delta R.T. -0.015 min  
 Lab File: BN027205.D  
 Acq: 28 Aug 2023 00:57

Tgt Ion:264 Resp: 12131  
 Ion Ratio Lower Upper  
 264 100  
 260 26.3 20.4 30.6  
 265 80.5 27.0 40.6#

