

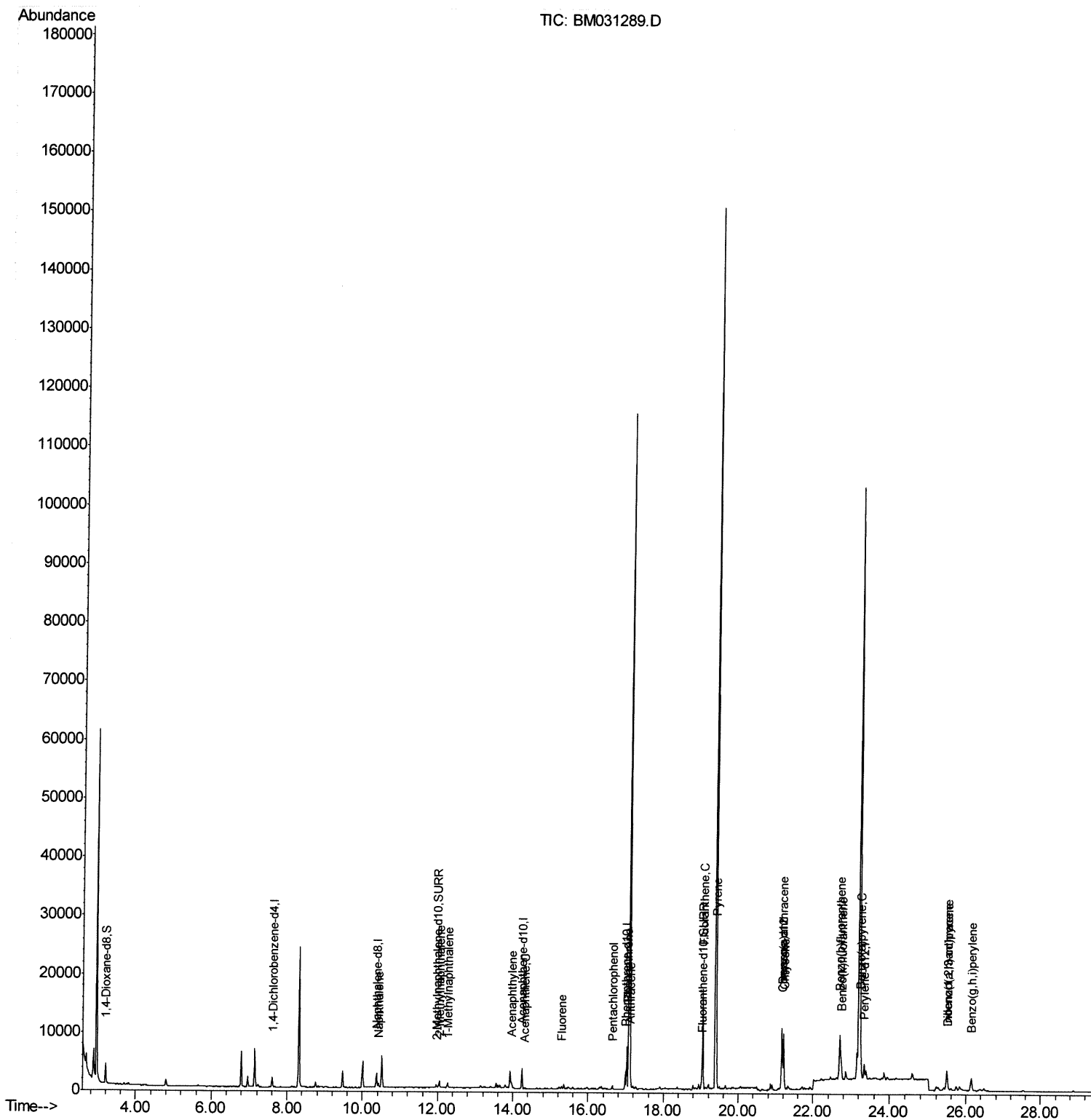
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\  
Data File : BM031289.D  
Acq On : 30 Jul 2021 23:48  
Operator : CG/JU  
Sample : M3084-21DL 2X  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0040DL

Manual Integrations  
APPROVED

mohammad  
8/2/2021 3:40:33 PM

Quant Time: Jul 31 01:20:19 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 30 14:16:52 2021  
Response via : Initial Calibration



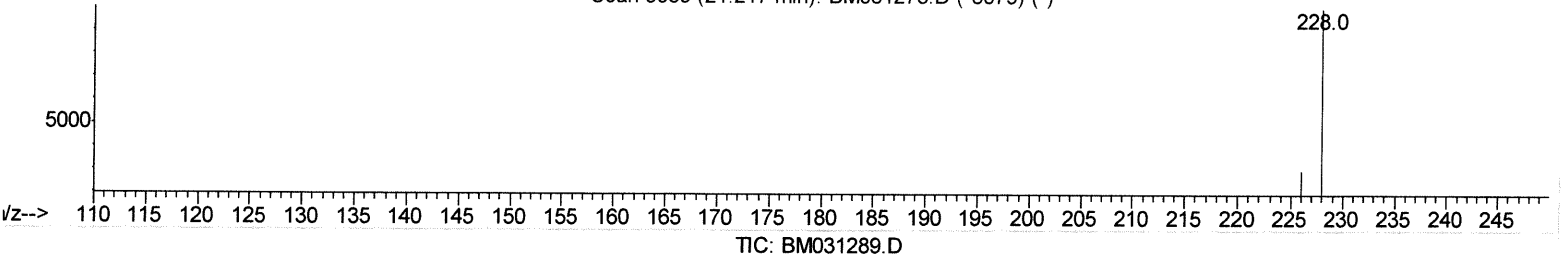
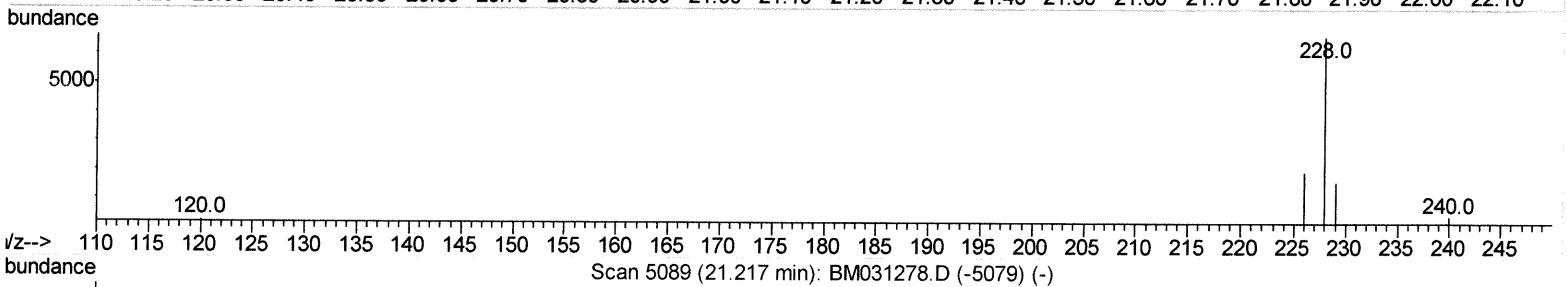
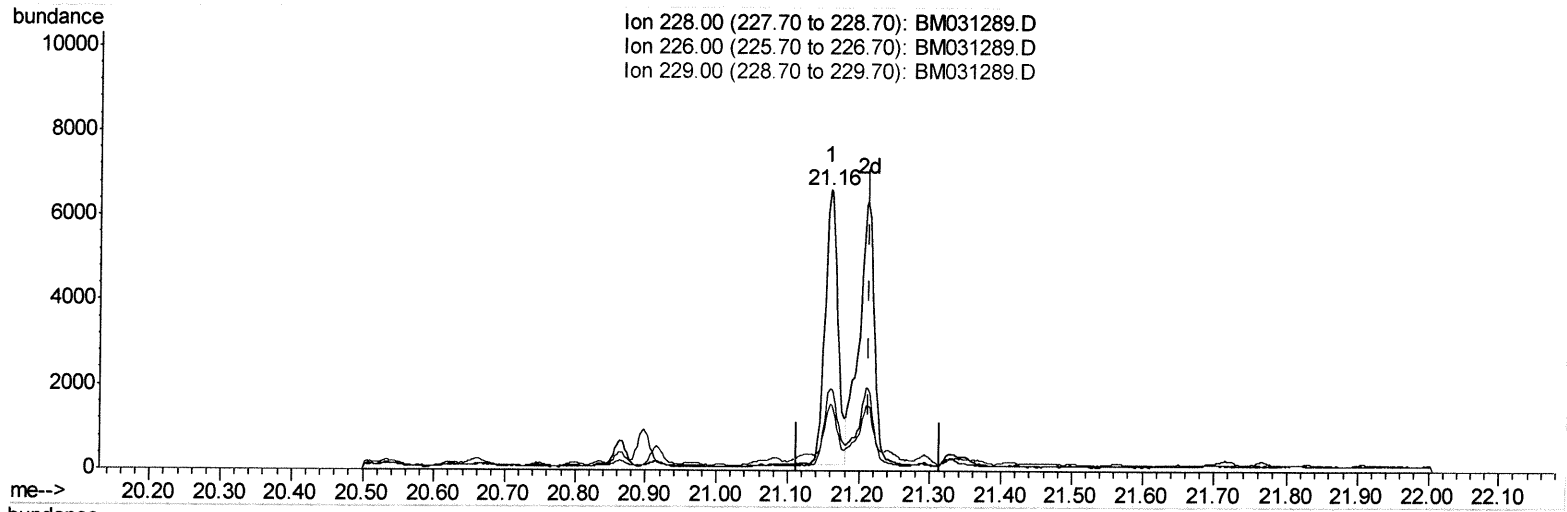
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Quant Time: Jul 31 01:12:46 2021  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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(22) Chrysene

21.159min (-0.055) 0.62ng/ul

response 8009

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 30.90 | 29.32 |
| 229.00 | 20.20 | 23.79 |
| 0.00   | 0.00  | 0.00  |

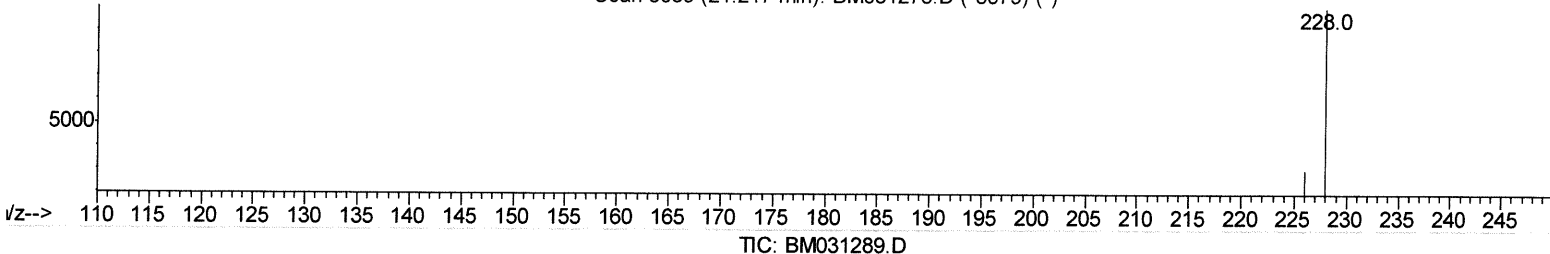
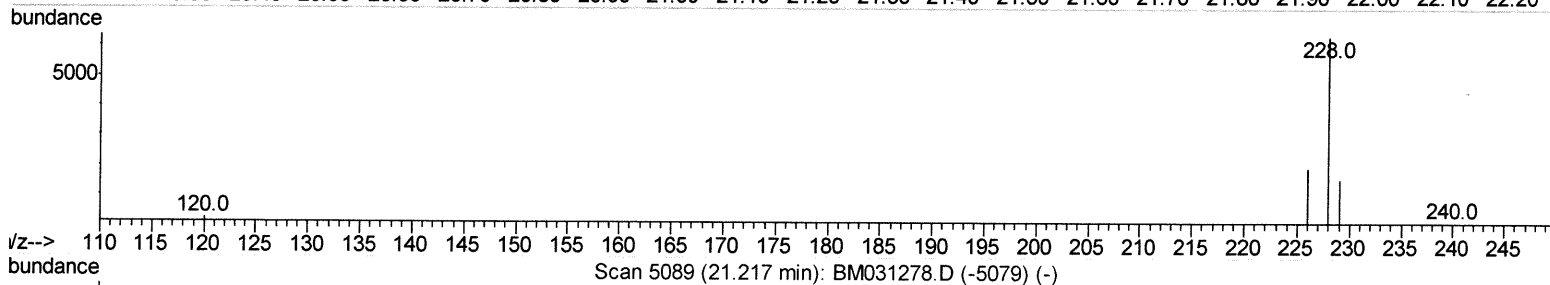
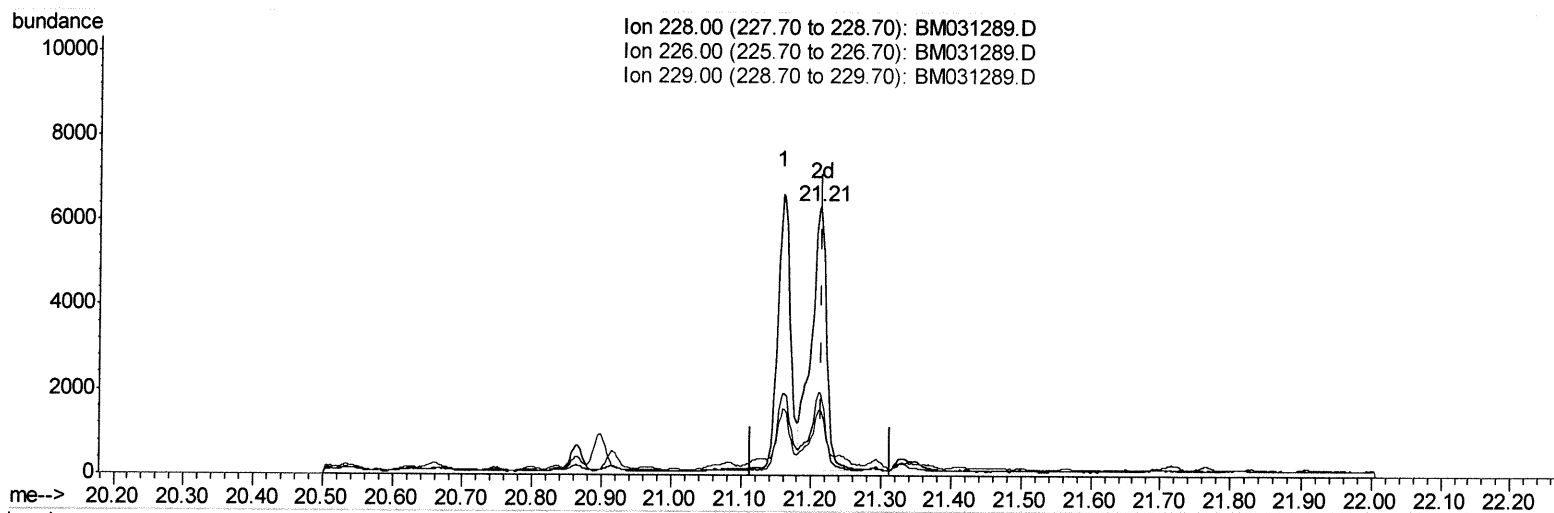
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(22) Chrysene

21.212min (-0.002) 0.74ng/ul m

response 9562

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 30.90 | 30.78  |
| 229.00 | 20.20 | 24.36# |
| 0.00   | 0.00  | 0.00   |

*Handwritten signature/initials*

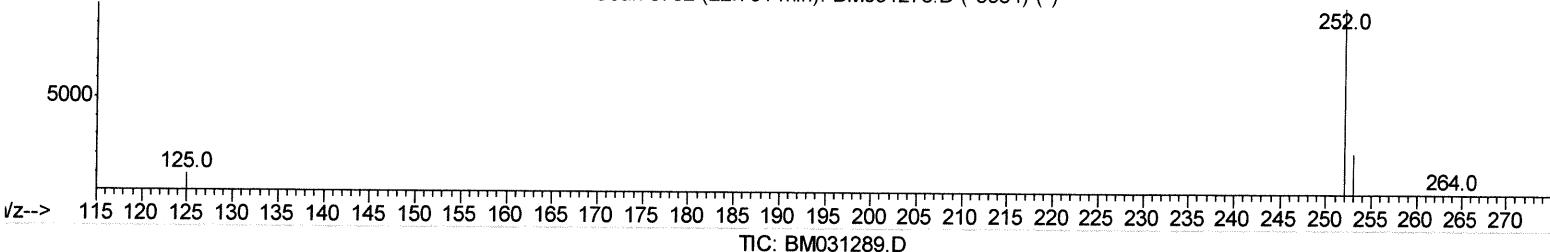
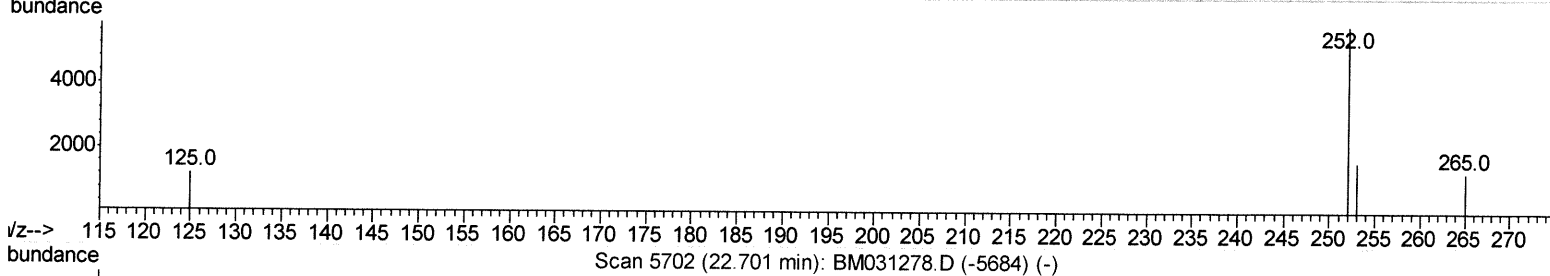
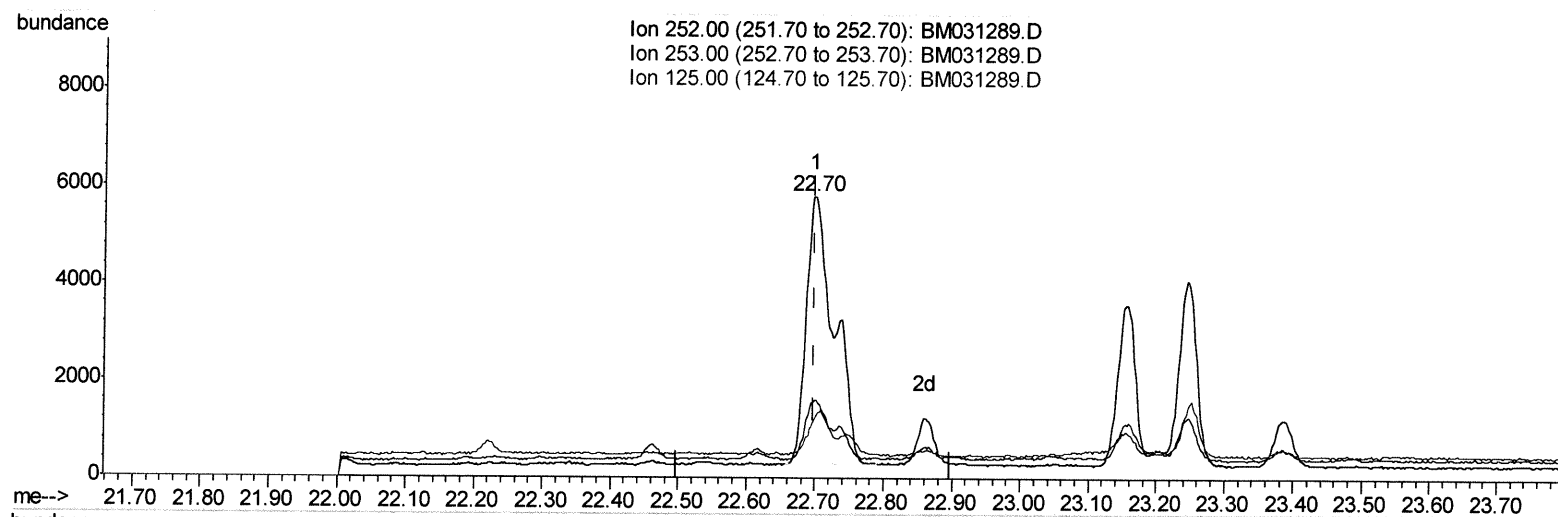
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Quant Time: Jul 31 01:14:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 30 14:16:52 2021  
 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.699min (+0.000) 1.12ng/ul

response 15637

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.50 | 27.64 |
| 125.00 | 11.40 | 21.27 |
| 0.00   | 0.00  | 0.00  |

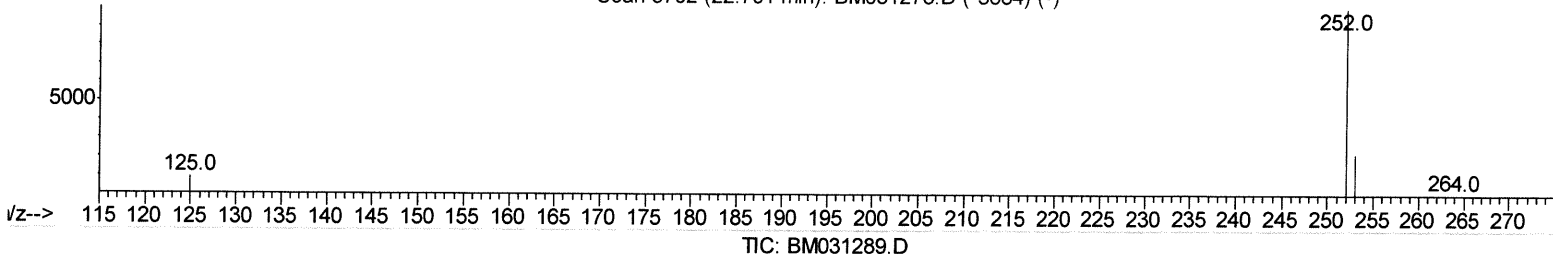
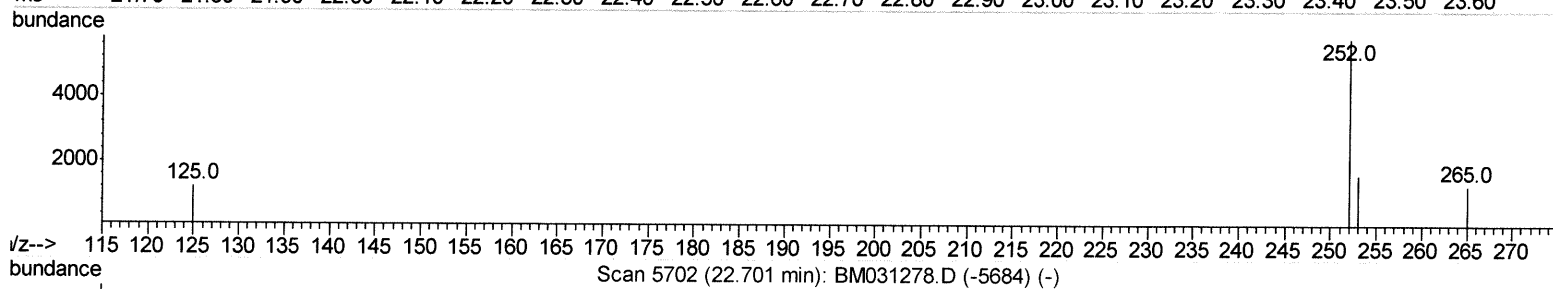
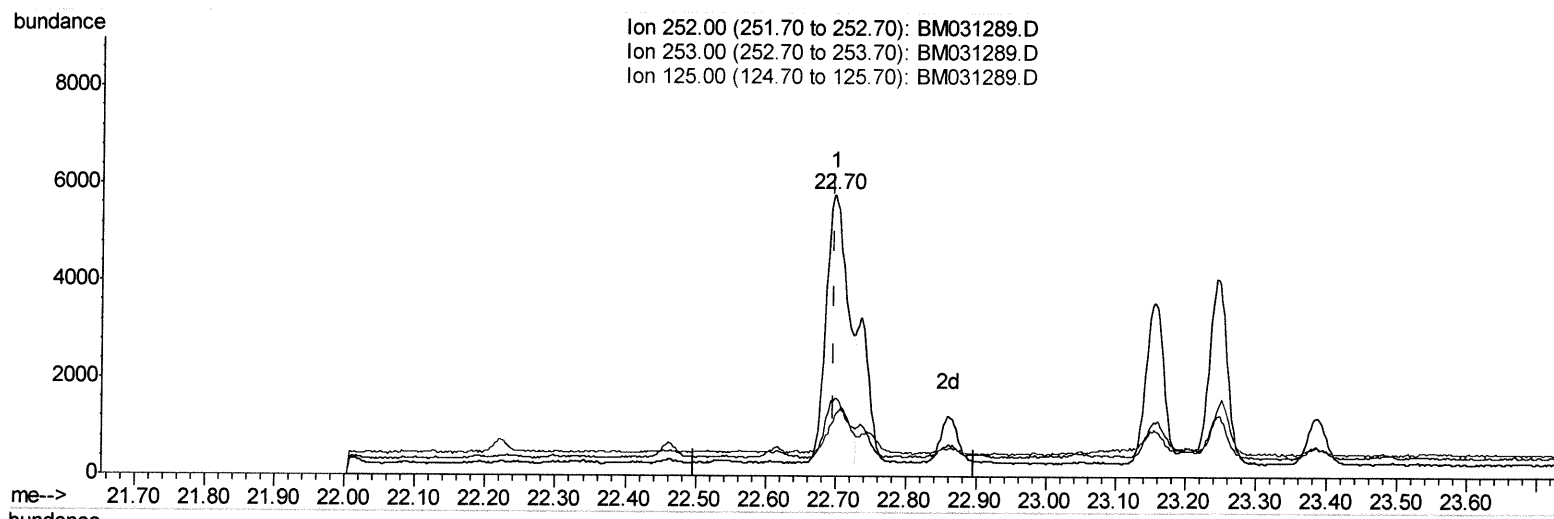
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\  
 Data File : BM031289.D  
 Acq On : 30 Jul 2021 23:48  
 Operator : CG/JU  
 Sample : M3084-21DL 2X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0040DL

Manual Integrations  
 APPROVED

mohammad  
 8/2/2021 3:40:33 PM

Quant Time: Jul 31 01:14:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 30 14:16:52 2021  
 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.699min (+0.000) 0.86ng/ul m

response 12053

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.50 | 27.64 |
| 125.00 | 11.40 | 21.27 |
| 0.00   | 0.00  | 0.00  |

*ju 8/2/21*

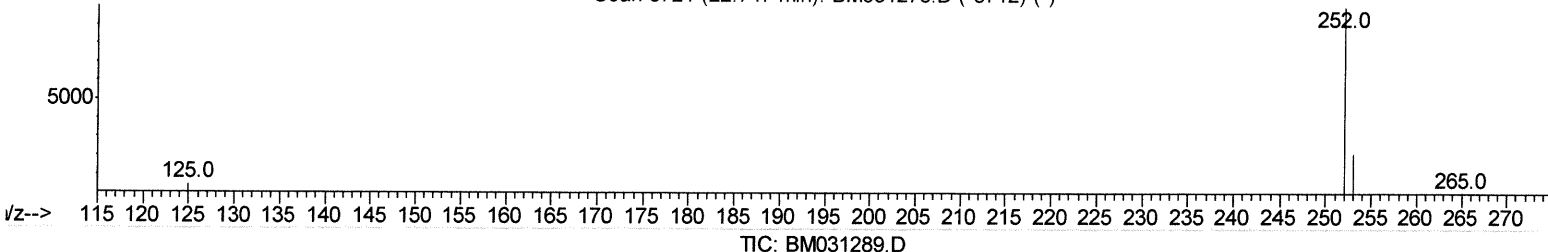
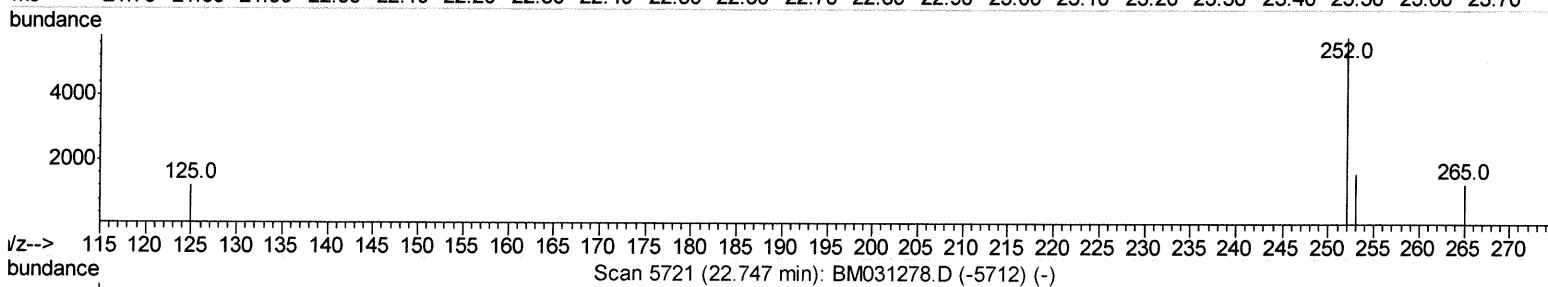
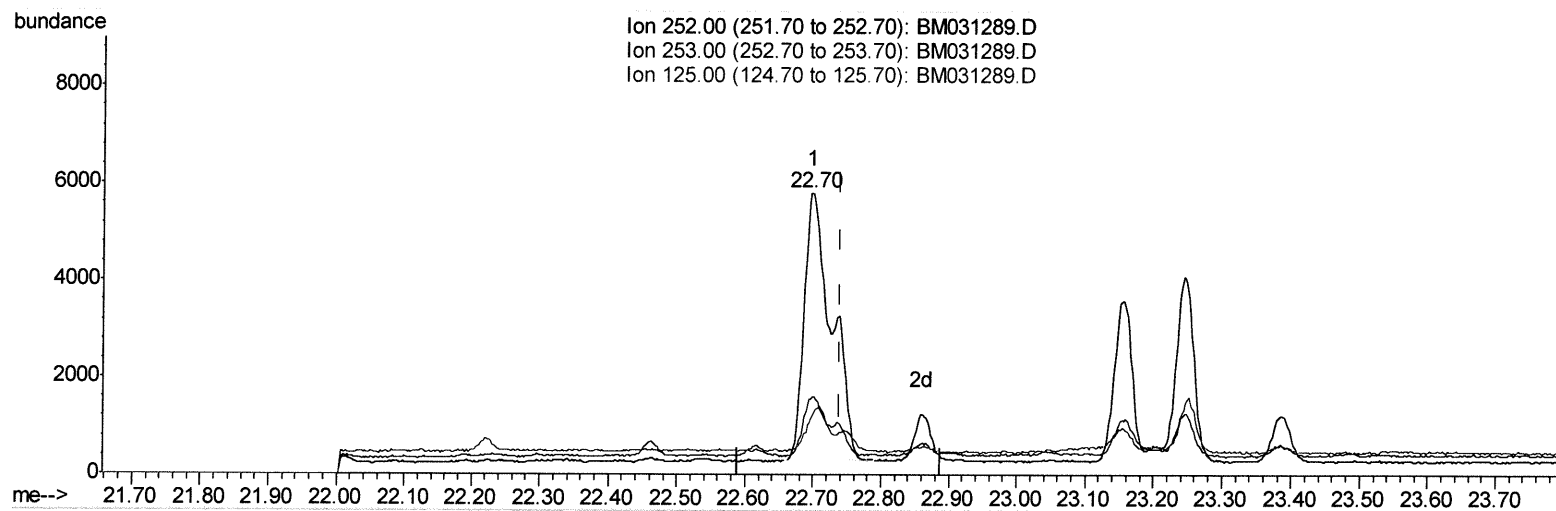
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\  
 Data File : BM031289.D  
 Acq On : 30 Jul 2021 23:48  
 Operator : CG/JU  
 Sample : M3084-21DL 2X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0040DL

Manual Integrations  
 APPROVED

mohammad  
 8/2/2021 3:40:33 PM

Quant Time: Jul 31 01:14:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 30 14:16:52 2021  
 Response via : Initial Calibration



(25) Benzo(k)fluoranthene  
 22.699min (-0.041) 1.08ng/ul  
 response 15637

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 27.64  |
| 125.00 | 11.00 | 21.27# |
| 0.00   | 0.00  | 0.00   |

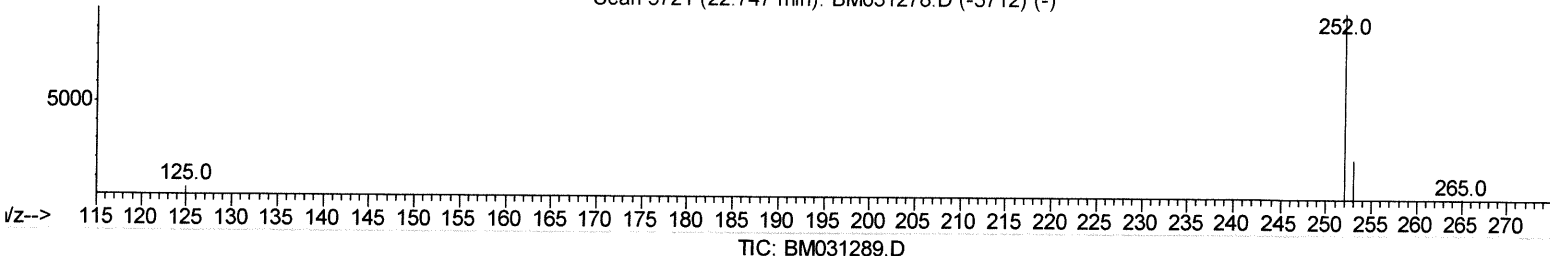
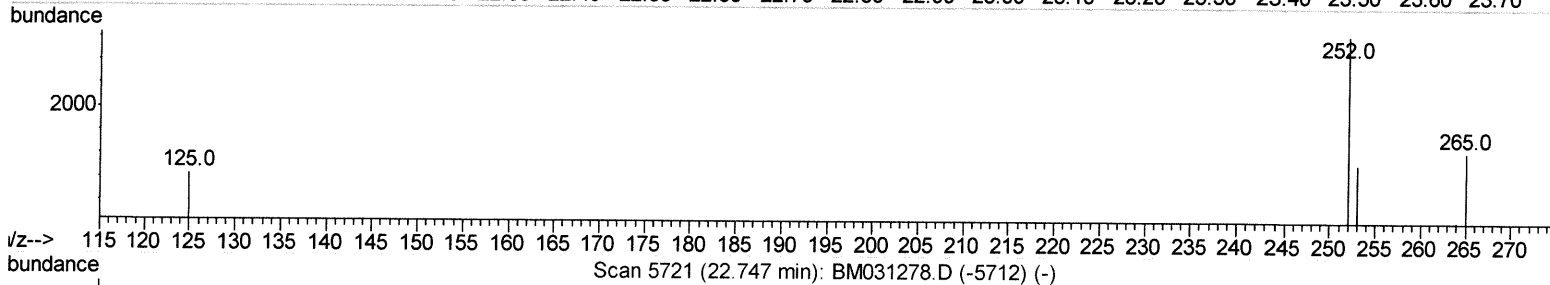
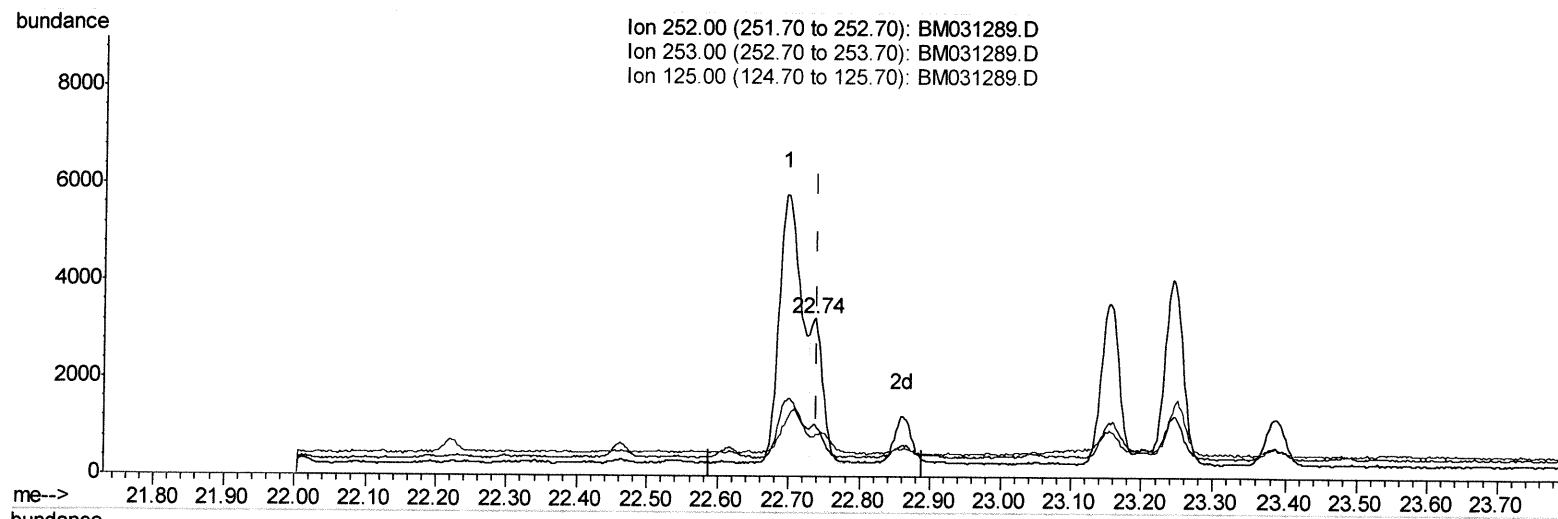
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\  
 Data File : BM031289.D  
 Acq On : 30 Jul 2021 23:48  
 Operator : CG/JU  
 Sample : M3084-21DL 2X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0040DL

Manual Integrations  
 APPROVED

mohammad  
 8/2/2021 3:40:33 PM

Quant Time: Jul 31 01:14:55 2021  
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(25) Benzo(k)fluoranthene

22.738min (-0.002) 0.26ng/ul m

response 3716

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 32.62# |
| 125.00 | 11.00 | 26.60# |
| 0.00   | 0.00  | 0.00   |

*Je 8/3/21*

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\  
 Data File : BM031289.D  
 Acq On : 30 Jul 2021 23:48  
 Operator : CG/JU  
 Sample : M3084-21DL 2X  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0040DL

Manual Integrations  
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mohammad  
 8/2/2021 3:40:33 PM

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| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|--------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.61  | 152  | 866      | 0.40  | ng/ul  | 0.00        |
| 4) Naphthalene-d8           | 10.37 | 136  | 3202     | 0.40  | ng/ul  | 0.00        |
| 9) Acenaphthene-d10         | 14.24 | 164  | 1922     | 0.40  | ng/ul  | 0.00        |
| 13) Phenanthrene-d10        | 16.99 | 188  | 3791     | 0.40  | ng/ul  | 0.00        |
| 17) Chrysene-d12            | 21.18 | 240  | 3095     | 0.40  | ng/ul  | 0.00        |
| 23) Perylene-d12            | 23.34 | 264  | 3107     | 0.40  | ng/ul  | 0.00        |
| System Monitoring Compounds |       |      |          |       |        |             |
| 3) 1,4-Dioxane-d8           | 3.20  | 96   | 2247     | 2.34  | ng/ul  | 0.00        |
| 6) 2-Methylnaphthalene-d10  | 11.97 | 152  | 791      | 0.15  | ng/ul  | 0.00        |
| 18) Fluoranthene-d10        | 19.02 | 212  | 1710     | 0.17  | ng/ul  | 0.00        |
| Target Compounds            |       |      |          |       |        |             |
|                             |       |      |          |       | Ovalue |             |
| 5) Naphthalene              | 10.42 | 128  | 984      | 0.103 | ng/ul# | 83          |
| 7) 2-Methylnaphthalene      | 12.04 | 142  | 826      | 0.127 | ng/ul  | 100         |
| 8) 1-Methylnaphthalene      | 12.26 | 142  | 609      | 0.095 | ng/ul  | 100         |
| 10) Acenaphthylene          | 13.96 | 152  | 1286     | 0.157 | ng/ul  | 92          |
| 11) Acenaphthene            | 14.30 | 153  | 158      | 0.023 | ng/ul# | 80          |
| 12) Fluorene                | 15.29 | 166  | 277      | 0.035 | ng/ul# | 86          |
| 14) Pentachlorophenol       | 16.64 | 266  | 493      | 0.406 | ng/ul  | 99          |
| 15) Phenanthrene            | 17.03 | 178  | 7603     | 0.632 | ng/ul  | 99          |
| 16) Anthracene              | 17.12 | 178  | 1865     | 0.165 | ng/ul# | 93          |
| 19) Fluoranthene            | 19.05 | 202  | 15074    | 1.141 | ng/ul# | 95          |
| 20) Pyrene                  | 19.41 | 202  | 13841    | 1.033 | ng/ul# | 95          |
| 21) Benzo(a)anthracene      | 21.16 | 228  | 8002     | 0.640 | ng/ul# | 94          |
| 22) Chrysene                | 21.21 | 228  | 9562m    | 0.739 | ng/ul  | 7/24 8/2/21 |
| 24) Benzo(b)fluoranthene    | 22.70 | 252  | 12053m   | 0.861 | ng/ul  |             |
| 25) Benzo(k)fluoranthene    | 22.74 | 252  | 3716m    | 0.257 | ng/ul  |             |
| 26) Benzo(a)pyrene          | 23.24 | 252  | 6872     | 0.561 | ng/ul# | 83          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.48 | 276  | 5002     | 0.316 | ng/ul# | 95          |
| 28) Dibenzo(a,h)anthracene  | 25.49 | 278  | 1450     | 0.114 | ng/ul# | 44          |
| 29) Benzo(a,h,i)perylene    | 26.14 | 276  | 4430     | 0.328 | ng/ul# | 91          |

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