

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
 Data File : BG054404.D  
 Acq On : 26 Jul 2022 19:02  
 Operator : CG/JU  
 Sample : N3881-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 4299E

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054404.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.034       | 3             | 8           | 15           | rVV2     | 9677           | 21328         | 1.85%           | 0.301%        |
| 2         | 3.111       | 15            | 21          | 33           | rVB      | 72719          | 130636        | 11.30%          | 1.841%        |
| 3         | 5.561       | 432           | 438         | 448          | rBV      | 213239         | 374502        | 32.40%          | 5.277%        |
| 4         | 7.171       | 705           | 712         | 721          | rBV      | 223771         | 403684        | 34.92%          | 5.689%        |
| 5         | 7.987       | 843           | 851         | 859          | rBV      | 65144          | 115183        | 9.96%           | 1.623%        |
| 6         | 9.151       | 1041          | 1049        | 1057         | rBV      | 148142         | 262046        | 22.67%          | 3.693%        |
| 7         | 10.796      | 1319          | 1329        | 1334         | rBV      | 86157          | 164317        | 14.21%          | 2.316%        |
| 8         | 10.843      | 1334          | 1337        | 1345         | rVB2     | 18354          | 29982         | 2.59%           | 0.423%        |
| 9         | 12.453      | 1604          | 1611        | 1618         | rVB      | 24273          | 40493         | 3.50%           | 0.571%        |
| 10        | 12.670      | 1640          | 1648        | 1655         | rBB      | 20363          | 34220         | 2.96%           | 0.482%        |
| 11        | 13.240      | 1737          | 1745        | 1754         | rBV      | 440814         | 709847        | 61.41%          | 10.003%       |
| 12        | 13.440      | 1773          | 1779        | 1787         | rVB3     | 11956          | 22034         | 1.91%           | 0.311%        |
| 13        | 13.792      | 1833          | 1839        | 1840         | rBV3     | 12256          | 21238         | 1.84%           | 0.299%        |
| 14        | 13.945      | 1857          | 1865        | 1870         | rBV2     | 22437          | 40731         | 3.52%           | 0.574%        |
| 15        | 13.998      | 1870          | 1874        | 1879         | rVB3     | 13480          | 21254         | 1.84%           | 0.300%        |
| 16        | 14.180      | 1900          | 1905        | 1908         | rBV2     | 8078           | 12232         | 1.06%           | 0.172%        |
| 17        | 14.515      | 1956          | 1962        | 1967         | rVB2     | 10939          | 15336         | 1.33%           | 0.216%        |
| 18        | 14.621      | 1971          | 1980        | 1986         | rBV      | 152226         | 254578        | 22.02%          | 3.587%        |
| 19        | 14.832      | 2009          | 2016        | 2023         | rBV4     | 5958           | 14040         | 1.21%           | 0.198%        |
| 20        | 15.015      | 2041          | 2047        | 2053         | rBV2     | 12549          | 21197         | 1.83%           | 0.299%        |
| 21        | 15.091      | 2055          | 2060        | 2064         | rBV2     | 8678           | 13780         | 1.19%           | 0.194%        |
| 22        | 15.408      | 2104          | 2114        | 2117         | rBV4     | 5894           | 13263         | 1.15%           | 0.187%        |
| 23        | 15.461      | 2117          | 2123        | 2128         | rVB3     | 10073          | 18126         | 1.57%           | 0.255%        |
| 24        | 15.661      | 2151          | 2157        | 2161         | rBV6     | 5776           | 12175         | 1.05%           | 0.172%        |
| 25        | 15.960      | 2201          | 2208        | 2213         | rVB7     | 6380           | 13155         | 1.14%           | 0.185%        |
| 26        | 16.113      | 2225          | 2234        | 2242         | rBV      | 407397         | 648830        | 56.13%          | 9.143%        |
| 27        | 16.325      | 2265          | 2270        | 2271         | rBV      | 9103           | 12834         | 1.11%           | 0.181%        |
| 28        | 16.342      | 2271          | 2273        | 2279         | rVB3     | 11618          | 15203         | 1.32%           | 0.214%        |
| 29        | 17.024      | 2383          | 2389        | 2394         | rBV      | 9428           | 16871         | 1.46%           | 0.238%        |
| 30        | 17.183      | 2410          | 2416        | 2423         | rVB3     | 6052           | 13013         | 1.13%           | 0.183%        |
| 31        | 17.365      | 2441          | 2447        | 2452         | rBV      | 195813         | 313195        | 27.09%          | 4.414%        |
| 32        | 17.406      | 2452          | 2454        | 2461         | rVB      | 47520          | 64158         | 5.55%           | 0.904%        |
| 33        | 17.946      | 2541          | 2546        | 2551         | rBV7     | 7547           | 14424         | 1.25%           | 0.203%        |
| 34        | 18.252      | 2592          | 2598        | 2602         | rBV3     | 30270          | 54875         | 4.75%           | 0.773%        |
| 35        | 18.322      | 2602          | 2610        | 2615         | rVB      | 453897         | 628650        | 54.38%          | 8.859%        |
| 36        | 18.434      | 2623          | 2629        | 2633         | rBV4     | 13307          | 26764         | 2.32%           | 0.377%        |

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 18.475 | 2633 | 2636 | 2642 | rVB2 | 8769   | 13135   | 1.14%   | 0.185%  |
| 38 | 18.740 | 2675 | 2681 | 2684 | rBV2 | 7921   | 13248   | 1.15%   | 0.187%  |
| 39 | 18.787 | 2685 | 2689 | 2694 | rVB7 | 7744   | 13100   | 1.13%   | 0.185%  |
| 40 | 19.027 | 2726 | 2730 | 2736 | rBV8 | 6951   | 16549   | 1.43%   | 0.233%  |
| 41 | 19.163 | 2747 | 2753 | 2758 | rBV6 | 13181  | 31588   | 2.73%   | 0.445%  |
| 42 | 19.421 | 2791 | 2797 | 2803 | rBV  | 102862 | 157608  | 13.63%  | 2.221%  |
| 43 | 19.521 | 2810 | 2814 | 2817 | rBV5 | 9078   | 12703   | 1.10%   | 0.179%  |
| 44 | 19.750 | 2849 | 2853 | 2854 | rBV  | 20659  | 23280   | 2.01%   | 0.328%  |
| 45 | 19.780 | 2854 | 2858 | 2866 | rVB  | 99936  | 156815  | 13.57%  | 2.210%  |
| 46 | 19.973 | 2885 | 2891 | 2897 | rBV  | 870286 | 1155956 | 100.00% | 16.290% |
| 47 | 21.266 | 3107 | 3111 | 3117 | rBV2 | 39066  | 59833   | 5.18%   | 0.843%  |
| 48 | 21.630 | 3166 | 3173 | 3178 | rBV3 | 234248 | 472041  | 40.84%  | 6.652%  |
| 49 | 21.671 | 3178 | 3180 | 3187 | rVB  | 57583  | 82881   | 7.17%   | 1.168%  |
| 50 | 24.832 | 3711 | 3718 | 3729 | rVB3 | 107917 | 299353  | 25.90%  | 4.218%  |

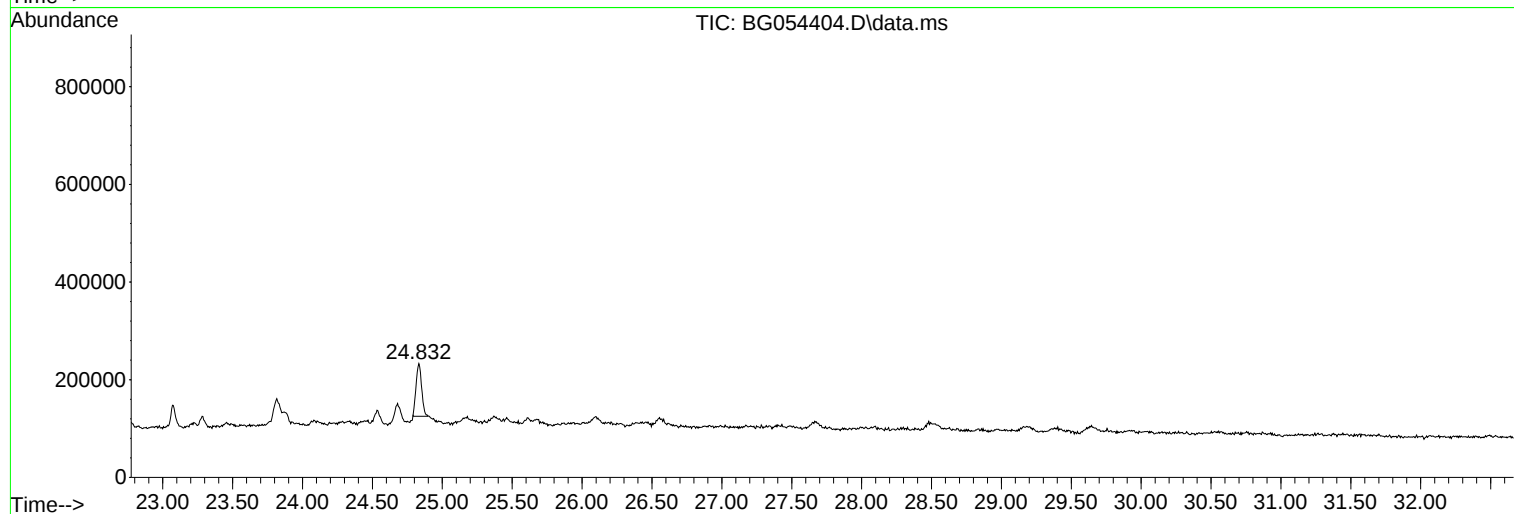
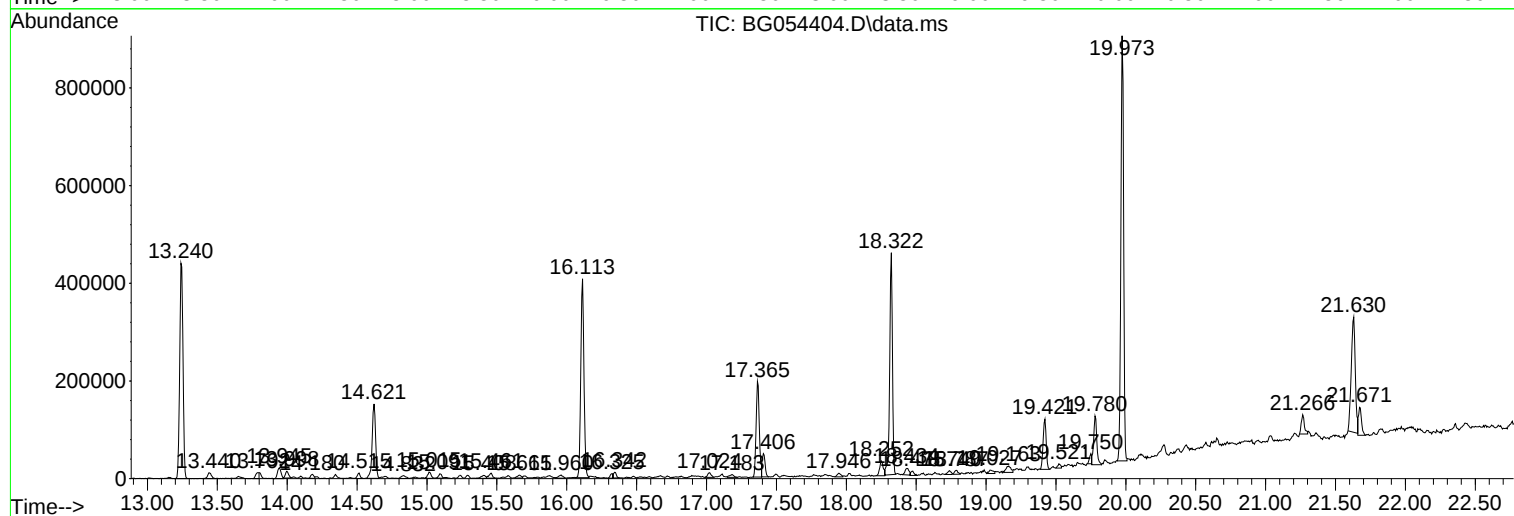
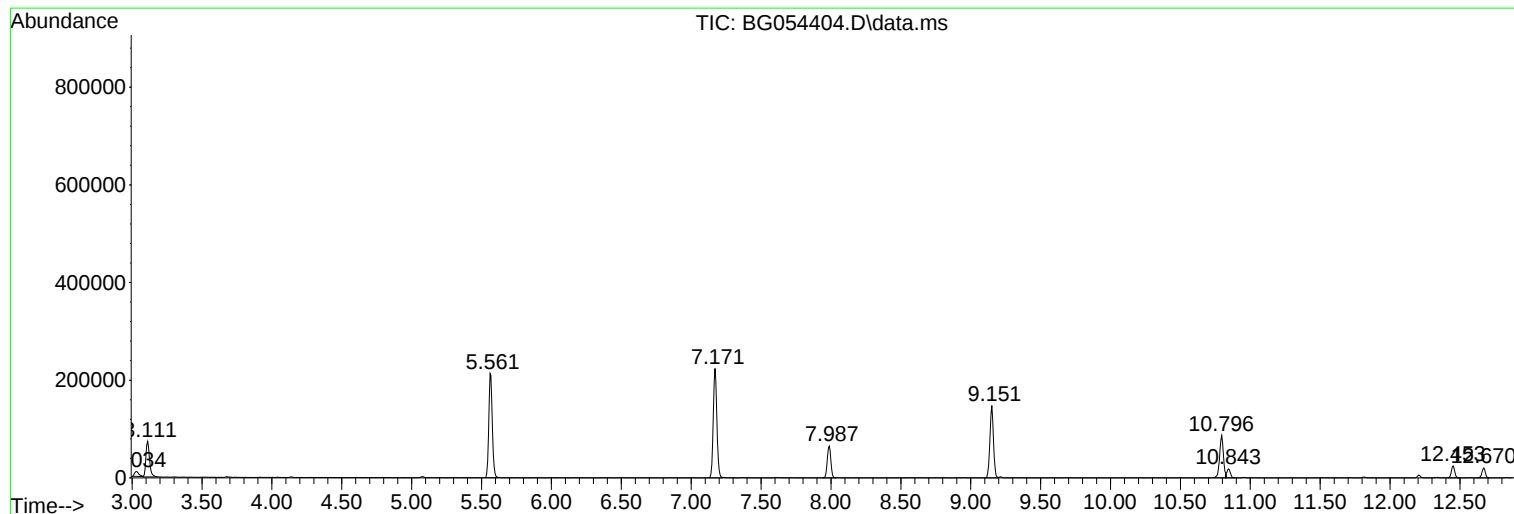
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
Data File : BG054404.D  
Acq On : 26 Jul 2022 19:02  
Operator : CG/JU  
Sample : N3881-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

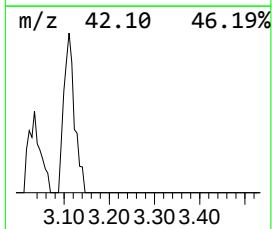
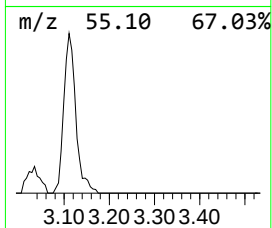
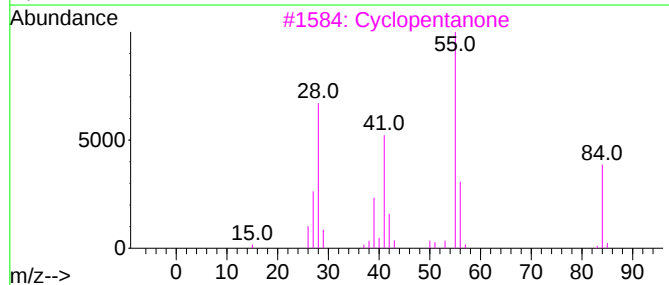
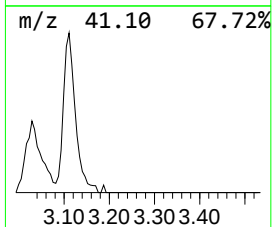
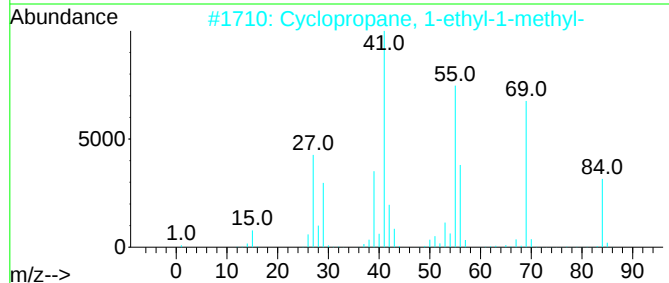
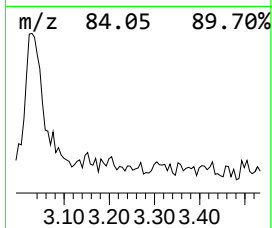
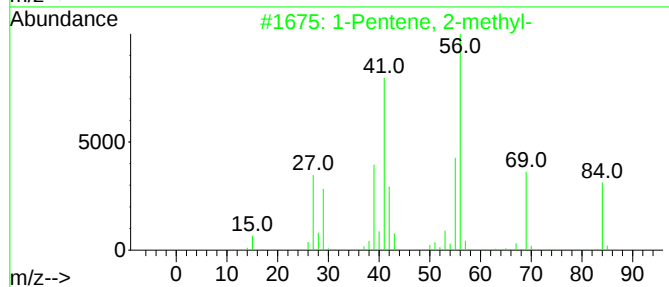
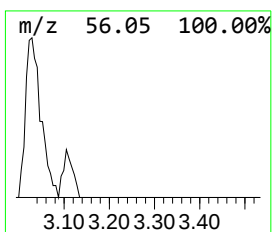
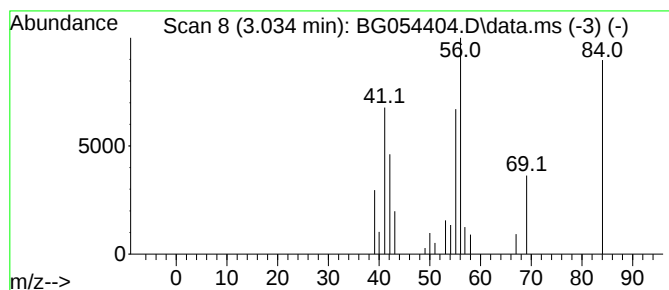
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 2

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 3.034 | 3.70 ng | 21328 | 1,4-Dichlorobenzene-d4 | 7.987 |

| Hit# | of 5                            | Tentative ID | MW    | MolForm     | CAS# | Qual |
|------|---------------------------------|--------------|-------|-------------|------|------|
| 1    | 1-Pentene, 2-methyl-            | 84           | C6H12 | 000763-29-1 | 59   |      |
| 2    | Cyclopropane, 1-ethyl-1-methyl- | 84           | C6H12 | 053778-43-1 | 56   |      |
| 3    | Cyclopentanone                  | 84           | C5H8O | 000120-92-3 | 56   |      |
| 4    | 2-Hexene                        | 84           | C6H12 | 000592-43-8 | 50   |      |
| 5    | 2-Hexene, (Z)-                  | 84           | C6H12 | 007688-21-3 | 50   |      |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

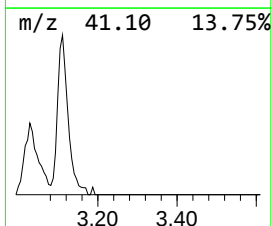
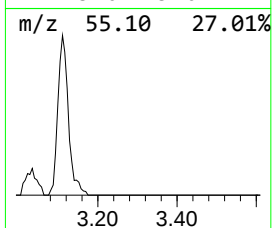
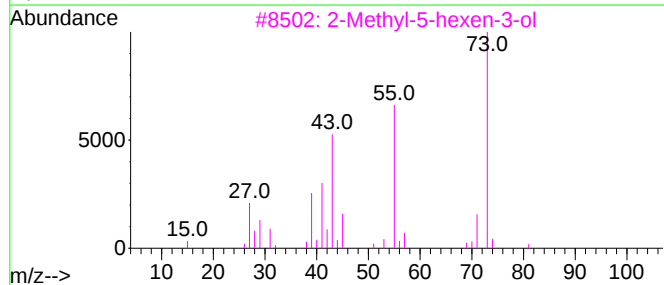
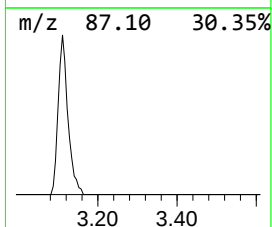
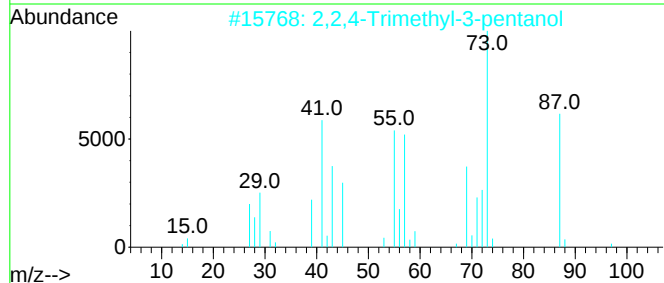
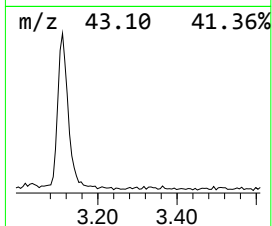
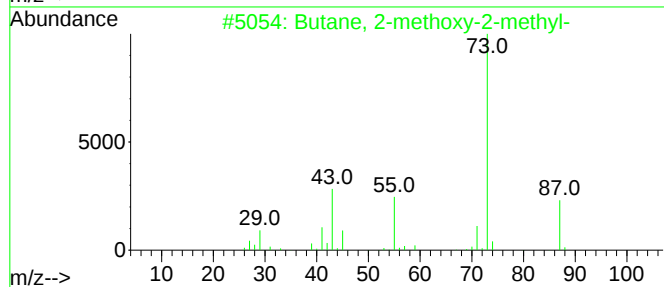
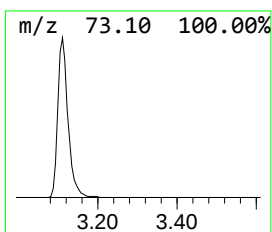
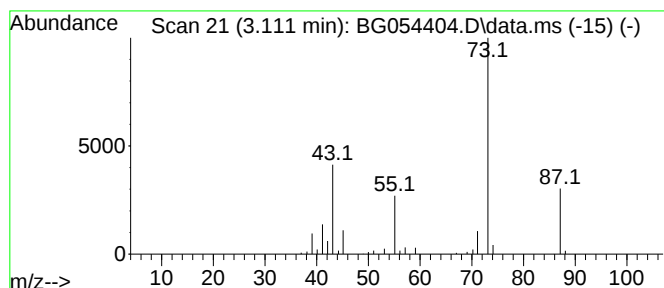
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 3.111 | 22.68 ng | 130636 | 1,4-Dichlorobenzene-d4 | 7.987 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |      | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 50   |
| 3    |      | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 37   |
| 4    |      | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 25   |
| 5    |      | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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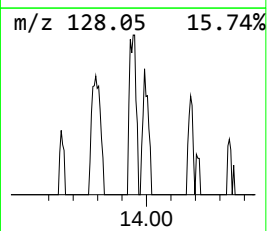
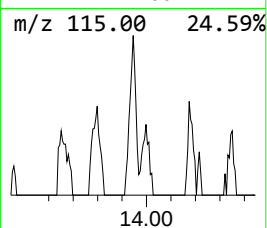
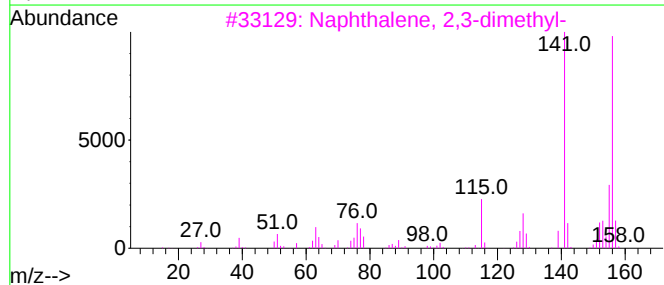
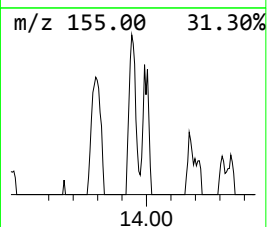
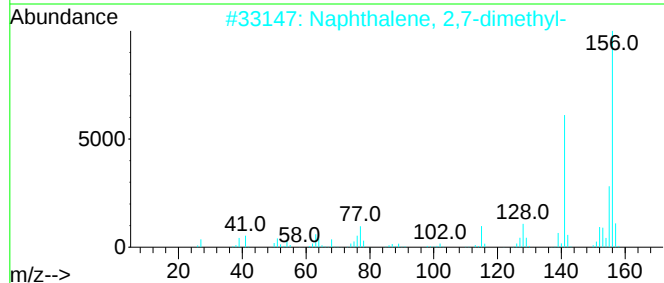
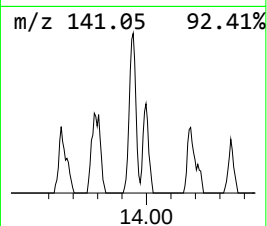
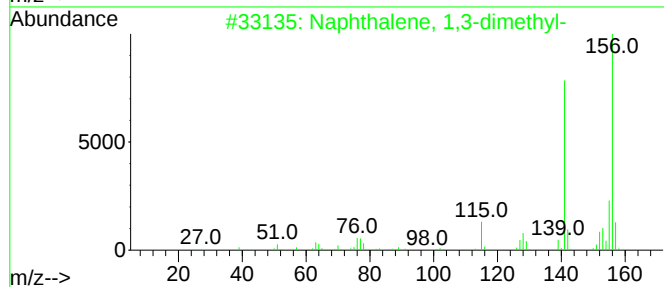
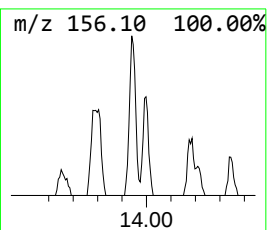
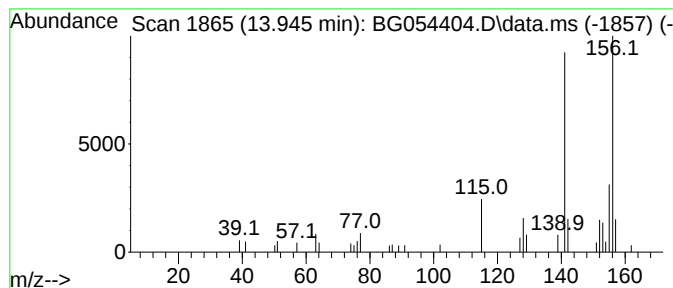
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.945 | 3.20 ng | 40731 | Acenaphthene-d10 | 14.621 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 94   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 94   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 94   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 94   |



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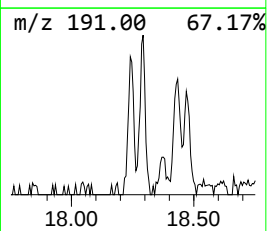
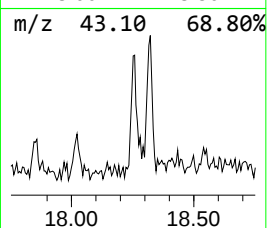
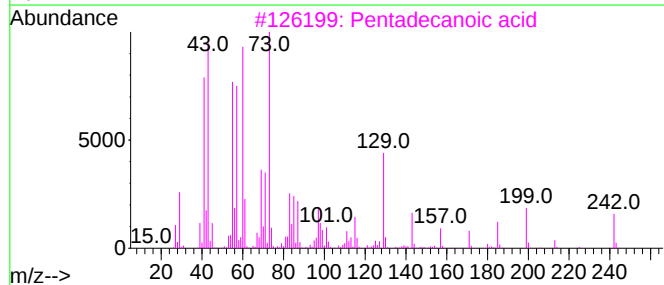
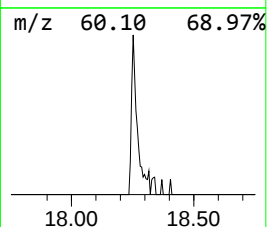
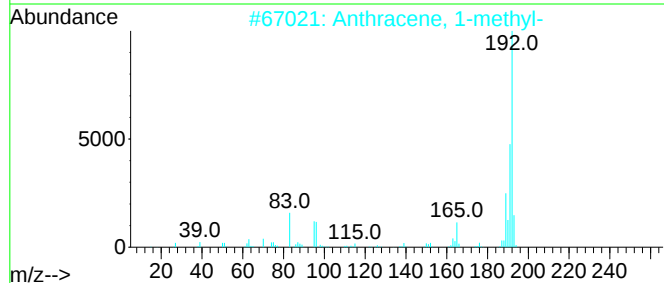
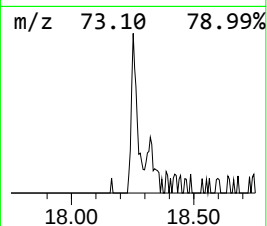
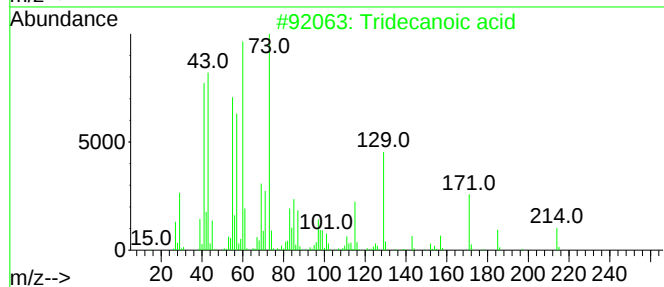
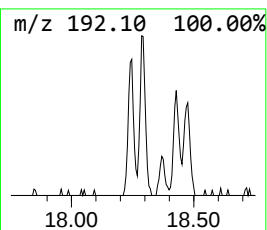
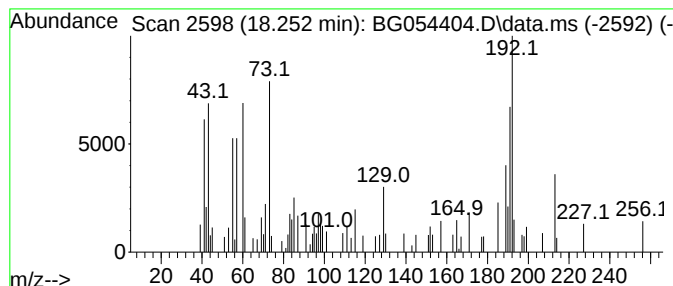
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tridecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.252 | 3.50 ng | 54875 | Phenanthrene-d10 | 17.365 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Tridecanoic acid        | 214 | C13H26O2 | 000638-53-9 | 91   |
| 2    |    |   | Anthracene, 1-methyl-   | 192 | C15H12   | 000610-48-0 | 38   |
| 3    |    |   | Pentadecanoic acid      | 242 | C15H30O2 | 001002-84-2 | 35   |
| 4    |    |   | n-Hexadecanoic acid     | 256 | C16H32O2 | 000057-10-3 | 35   |
| 5    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12   | 002531-84-2 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
Data File : BG054404.D  
Acq On : 26 Jul 2022 19:02  
Operator : CG/JU  
Sample : N3881-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

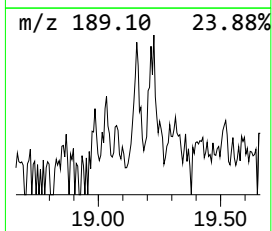
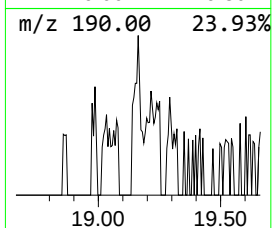
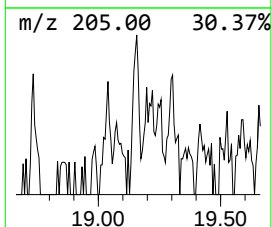
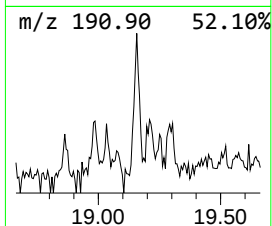
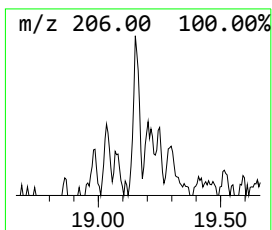
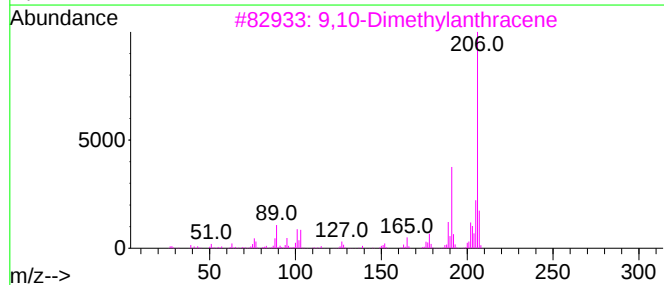
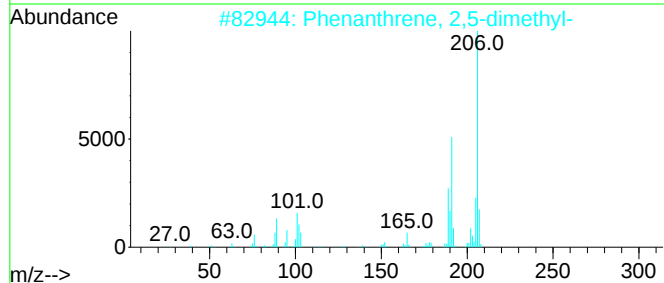
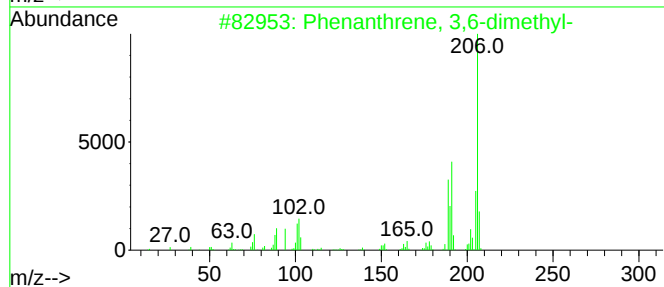
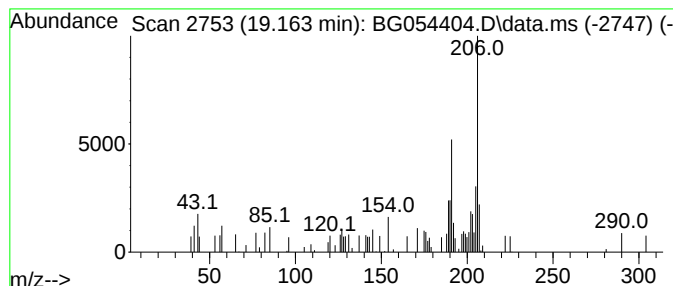
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 19.163 | 2.02 ng | 31588 | Phenanthrene-d10 | 17.365 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 3,6-dimethyl-        | 206 | C16H14  | 001576-67-6 | 81   |
| 2    |    |   | Phenanthrene, 2,5-dimethyl-        | 206 | C16H14  | 003674-66-6 | 80   |
| 3    |    |   | 9,10-Dimethylantracene             | 206 | C16H14  | 000781-43-1 | 74   |
| 4    |    |   | Naphthalene, 1,2-dihydro-4-phenyl- | 206 | C16H14  | 007469-40-1 | 72   |
| 5    |    |   | Phenanthrene, 2,3-dimethyl-        | 206 | C16H14  | 003674-65-5 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
Data File : BG054404.D  
Acq On : 26 Jul 2022 19:02  
Operator : CG/JU  
Sample : N3881-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

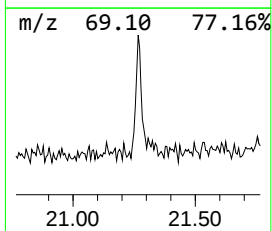
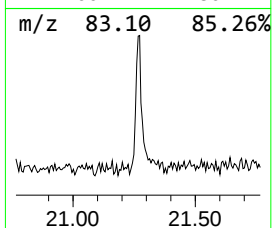
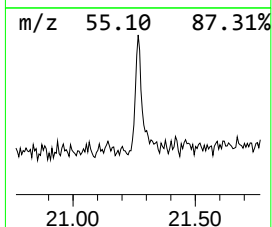
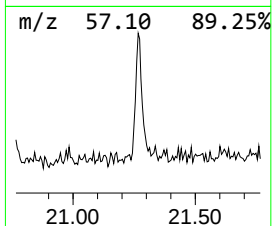
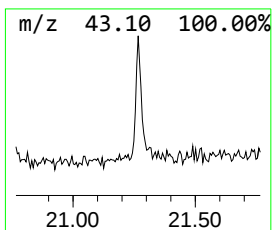
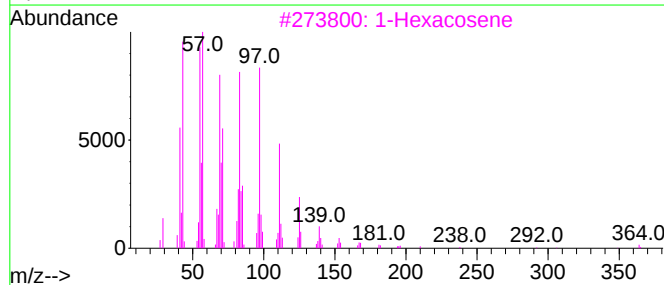
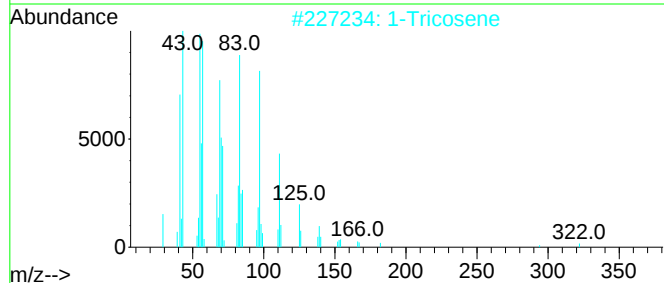
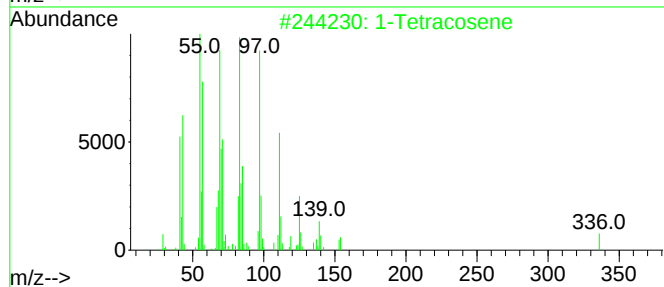
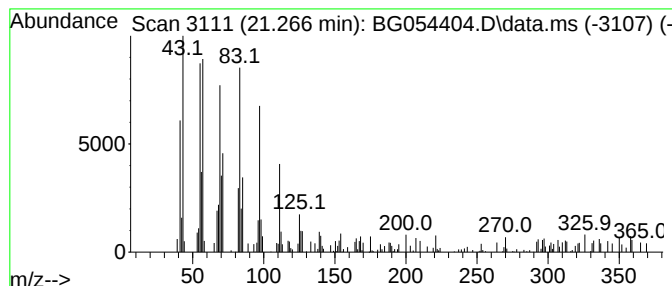
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Peak Number 6 1-Tetracosene Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 21.266 | 2.54 ng | 59833 | Chrysene-d12     | 21.630 |

| Hit# | of 5              | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------|--------------|-----|---------|-------------|------|
| 1    | 1-Tetracosene     |              | 336 | C24H48  | 010192-32-2 | 99   |
| 2    | 1-Tricosene       |              | 322 | C23H46  | 018835-32-0 | 99   |
| 3    | 1-Hexacosene      |              | 364 | C26H52  | 018835-33-1 | 95   |
| 4    | 9-Tricosene, (Z)- |              | 322 | C23H46  | 027519-02-4 | 94   |
| 5    | Cyclopentadecane  |              | 210 | C15H30  | 000295-48-7 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072622\  
Data File : BG054404.D  
Acq On : 26 Jul 2022 19:02  
Operator : CG/JU  
Sample : N3881-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
4299E

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 1-Pentene, 2-me... | 3.034  | 3.7     | ng    | 21328    | 1                     | 7.987  | 115183 | 20.0 |
| Butane, 2-metho... | 3.111  | 22.7    | ng    | 130636   | 1                     | 7.987  | 115183 | 20.0 |
| Naphthalene, 1,... | 13.945 | 3.2     | ng    | 40731    | 3                     | 14.621 | 254578 | 20.0 |
| Tridecanoic acid   | 18.252 | 3.5     | ng    | 54875    | 4                     | 17.365 | 313195 | 20.0 |
| Phenanthrene, 3... | 19.163 | 2.0     | ng    | 31588    | 4                     | 17.365 | 313195 | 20.0 |
| 1-Tetracosene      | 21.266 | 2.5     | ng    | 59833    | 5                     | 21.630 | 472041 | 20.0 |