LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

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_P\Methods\8270E-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025967.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.008 | 6 | 12 | 27 | rVB | 1173475 | 1750585 | 25.88% | 2.859% |
| 2 | 5.378 | 408 | 415 | 441 | rBV | 2077320 | 3941577 | 58.26% | 6.437% |
| 3 | 6.943 | 673 | 681 | 709 | rBV | 1878662 | 4125150 | 60.97% | 6.737% |
| 4 | 7.731 | 808 | 815 | 832 | rBV | 539676 | 970296 | 14.34% | 1.585% |
| 5 | 8.878 | 1003 | 1010 | 1034 | rBV | 1190211 | 2549315 | 37.68% | 4.164% |
| 6 | 10.496 | 1277 | 1285 | 1309 | rBV | 596743 | 1386616 | 20.50% | 2.265% |
| 7 | 12.948 | 1693 | 1702 | 1719 | rBV | 2680507 | 5258675 | 77.73% | 8.588% |
| 8 | 14.342 | 1930 | 1939 | 1946 | rBV | 1028254 | 1798576 | 26.59% | 2.937% |
| 9 | 14.407 | 1947 | 1950 | 1960 | rVB2 | 52937 | 100497 | 1.49% | 0.164% |
| 10 | 15.419 | 2116 | 2122 | 2132 | rBV3 | 44611 | 88804 | 1.31% | 0.145% |
| 11 | 15.713 | 2166 | 2172 | 2189 | rBV | 392266 | 637428 | 9.42% | 1.041% |
| 12 | 15.854 | 2189 | 2196 | 2215 | rBV | 2392647 | 4637962 | 68.55% | 7.575% |
| 13 | 16.954 | 2379 | 2383 | 2394 | rVB | 47701 | 76604 | 1.13% | 0.125% |
| 14 | 17.142 | 2408 | 2415 | 2419 | rBV | 1332135 | 2087126 | 30.85% | 3.409% |
| 15 | 17.189 | 2419 | 2423 | 2429 | rVB | 861099 | 1215221 | 17.96% | 1.985% |
| 16 | 17.289 | 2434 | 2440 | 2448 | rVB | 115564 | 199580 | 2.95% | 0.326% |
| 17 | 17.578 | 2482 | 2489 | 2500 | rBV2 | 77792 | 206094 | 3.05% | 0.337% |
| 18 | 18.066 | 2564 | 2572 | 2589 | rBV2 | 869834 | 1748361 | 25.84% | 2.855% |
| 19 | 18.183 | 2589 | 2592 | 2597 | rVV | 50734 | 76270 | 1.13% | 0.125% |
| 20 | 18.248 | 2597 | 2603 | 2607 | rVV2 | 185623 | 341605 | 5.05% | 0.558% |
| 21 | 18.289 | 2607 | 2610 | 2616 | rVB2 | 77474 | 124426 | 1.84% | 0.203% |
| 22 | 18.460 | 2634 | 2639 | 2645 | rVB7 | 61969 | 105885 | 1.57% | 0.173% |
| 23 | 18.566 | 2652 | 2657 | 2662 | rBV | 73541 | 109303 | 1.62% | 0.179% |
| 24 | 18.625 | 2663 | 2667 | 2675 | rVB2 | 90149 | 161619 | 2.39% | 0.264% |
| 25 | 19.001 | 2726 | 2731 | 2735 | rBV | 97134 | 164131 | 2.43% | 0.268% |
| 26 | 19.160 | 2752 | 2758 | 2762 | rBV2 | 78183 | 144890 | 2.14% | 0.237% |
| 27 | 19.272 | 2770 | 2777 | 2784 | rBV | 2271177 | 2989939 | 44.19% | 4.883% |
| 28 | 19.401 | 2794 | 2799 | 2810 | rBV3 | 195407 | 418353 | 6.18% | 0.683% |
| 29 | 19.613 | 2831 | 2835 | 2836 | rBV2 | 283205 | 316739 | 4.68% | 0.517% |
| 30 | 19.648 | 2836 | 2841 | 2851 | rVB | 1657476 | 2542358 | 37.58% | 4.152% |
| 31 | 19.736 | 2852 | 2856 | 2863 | rVB2 | 81401 | 130037 | 1.92% | 0.212% |
| 32 | 19.860 | 2871 | 2877 | 2884 | rBV | 4949239 | 6765349 | 100.00% | 11.049% |
| 33 | 19.995 | 2893 | 2900 | 2906 | rVB3 | 85247 | 233093 | 3.45% | 0.381% |
| 34 | 20.172 | 2927 | 2930 | 2937 | rVB2 | 252235 | 400848 | 5.93% | 0.655% |
| 35 | 20.272 | 2943 | 2947 | 2951 | rBV | 137928 | 187949 | 2.78% | 0.307% |
| 36 | 20.330 | 2953 | 2957 | 2961 | rBV2 | 127223 | 205076 | 3.03% | 0.335% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

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_P\Methods\8270E-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 20.483 | 2980 | 2983 | 2988 | rBV | 106553 | 135356 | 2.00% | 0.221% |
| 38 | 20.536 | 2988 | 2992 | 2996 | rBV | 105759 | 154159 | 2.28% | 0.252% |
| 39 | 20.707 | 3018 | 3021 | 3025 | rBV3 | 84241 | 95342 | 1.41% | 0.156% |
| 40 | 20.971 | 3062 | 3066 | 3073 | rBV | 158543 | 237308 | 3.51% | 0.388% |
| 41 | 21.154 | 3093 | 3097 | 3100 | rBV2 | 163345 | 225066 | 3.33% | 0.368% |
| 42 | 21.189 | 3100 | 3103 | 3107 | rVB | 119525 | 145935 | 2.16% | 0.238% |
| 43 | 21.236 | 3107 | 3111 | 3122 | rBV4 | 610705 | 1074720 | 15.89% | 1.755% |
| 44 | 21.324 | 3123 | 3126 | 3131 | rVB | 125283 | 177789 | 2.63% | 0.290% |
| 45 | 21.583 | 3162 | 3170 | 3175 | rBV2 | 1533085 | 3765146 | 55.65% | 6.149% |
| 46 | 21.630 | 3175 | 3178 | 3192 | rVB | 831505 | 1369156 | 20.24% | 2.236% |
| 47 | 23.865 | 3552 | 3558 | 3566 | rBV | 491084 | 1526055 | 22.56% | 2.492% |
| 48 | 24.612 | 3679 | 3685 | 3698 | rVB | 375942 | 958230 | 14.16% | 1.565% |
| 49 | 24.760 | 3705 | 3710 | 3722 | rVB | 471476 | 1209798 | 17.88% | 1.976% |
| 50 | 24.912 | 3729 | 3736 | 3745 | rBV | 715805 | 1959166 | 28.96% | 3.200% |

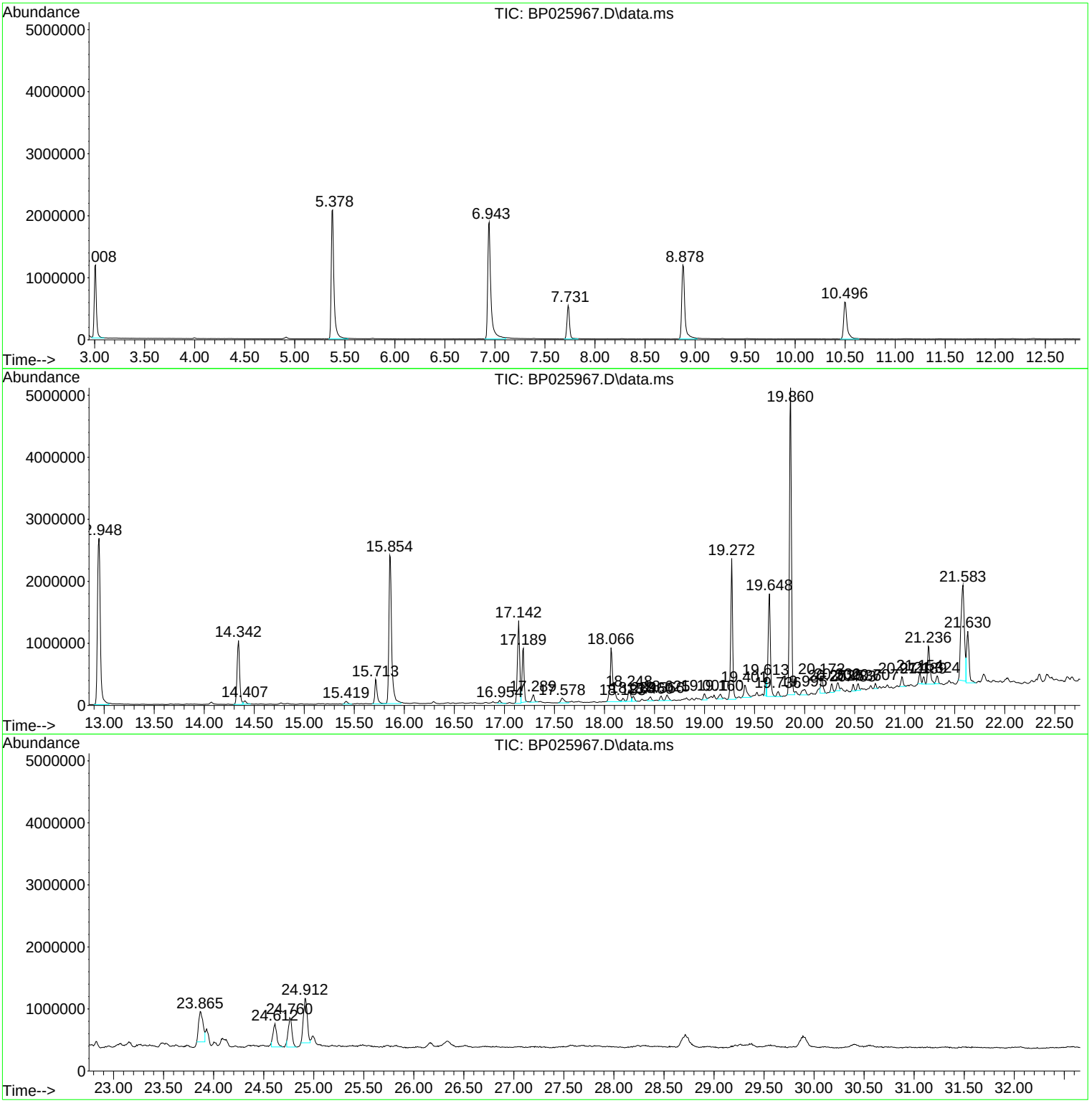
Sum of corrected areas: 61229563

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

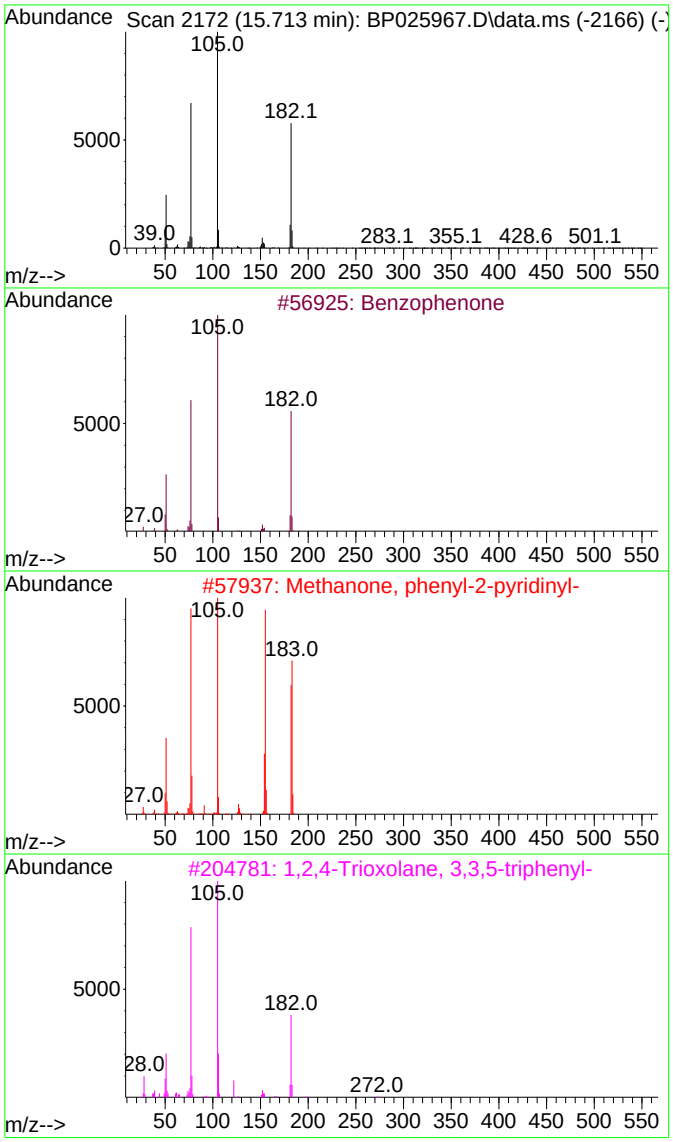
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

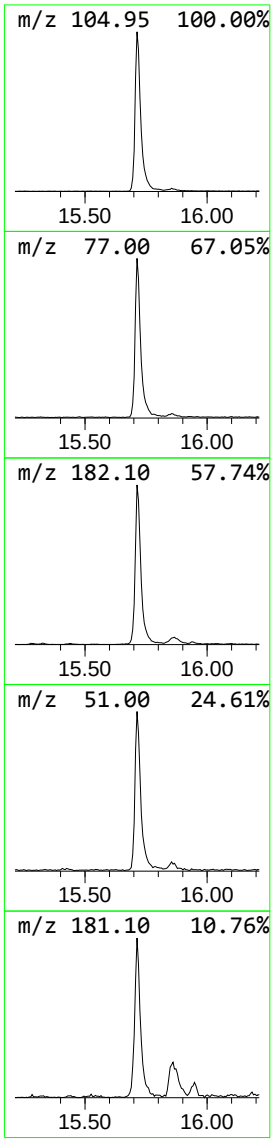
**********

Peak Number 2 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.713 | 7.09 ng | 637428 | Acenaphthene-d10 | 14.342 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 72 |
| 3 | 1,2,4-Trioxolane, 3,3,5-triphenyl- | 304 | C20H16O3 | 023246-12-0 | 64 |
| 4 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64 |
| 5 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

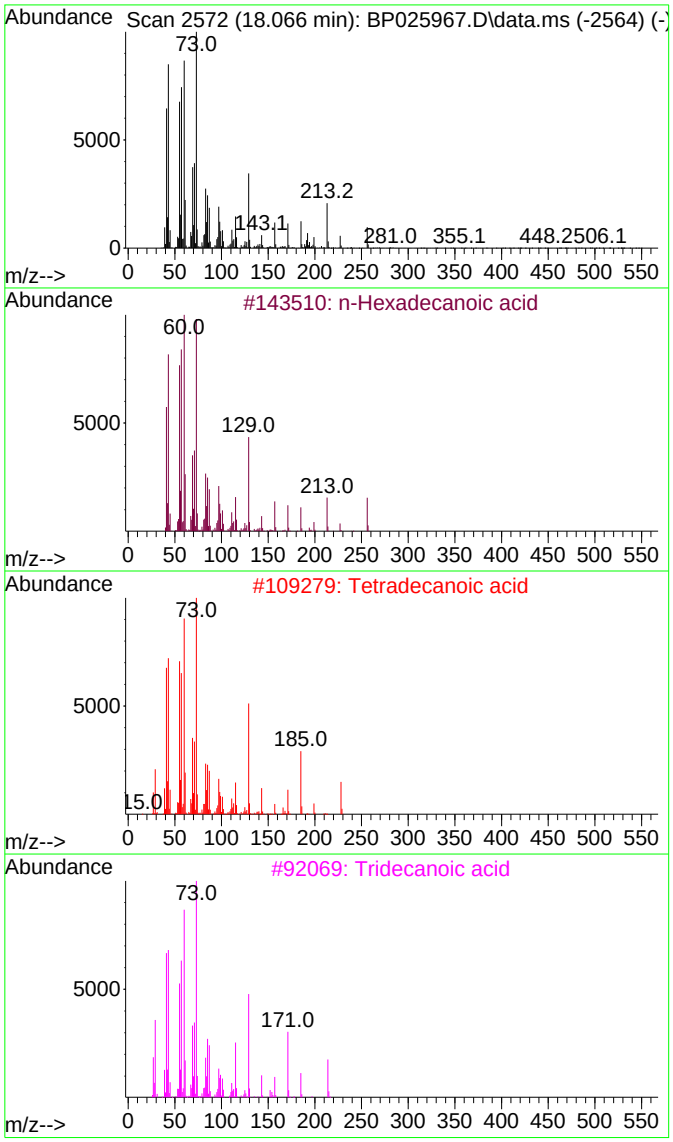
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

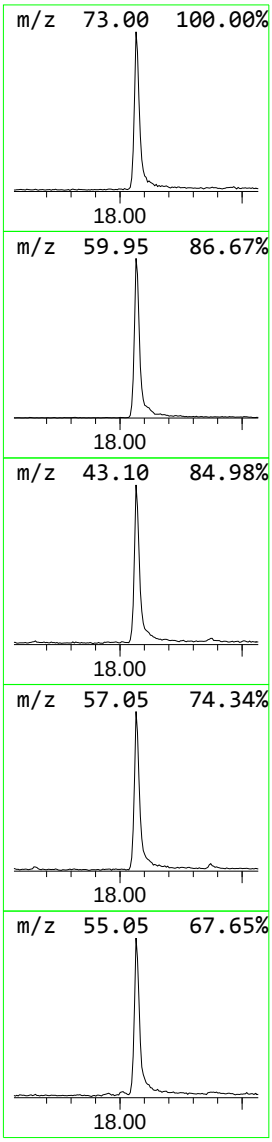
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.066 | 16.75 ng | 1748360 | Phenanthrene-d10 | 17.142 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 94 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 55 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

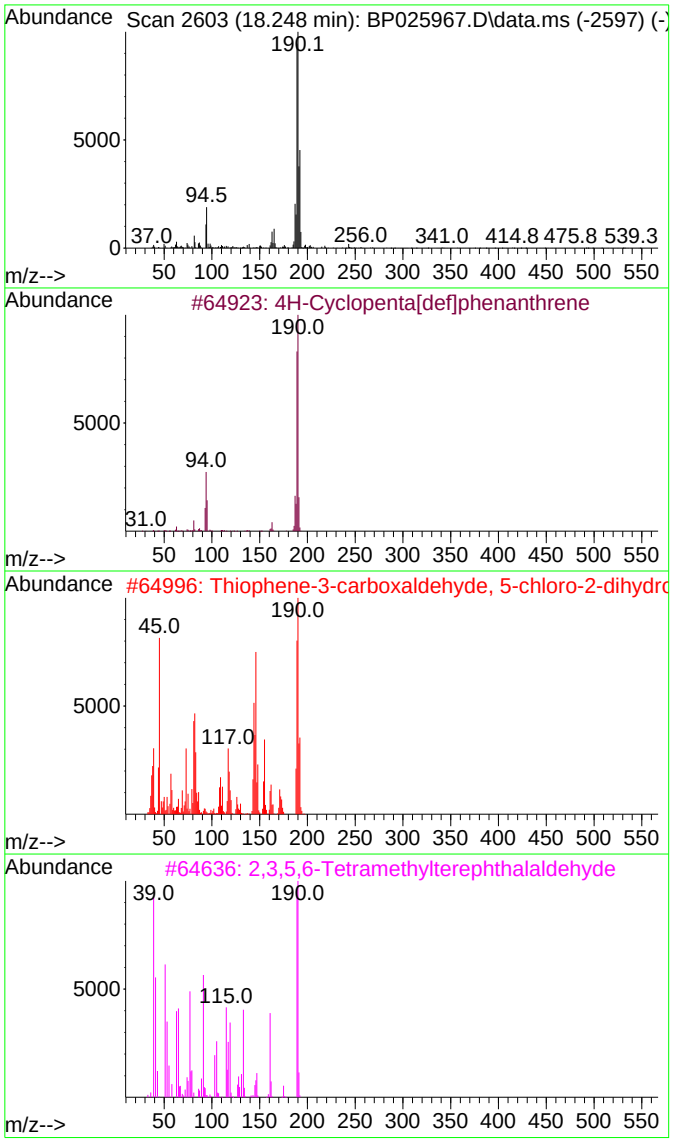
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

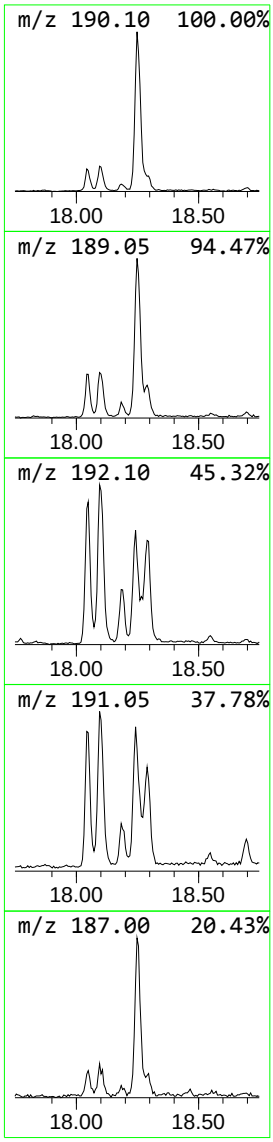
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.248 | 3.27 ng | 341605 | Phenanthrene-d10 | 17.142 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 47 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 45 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

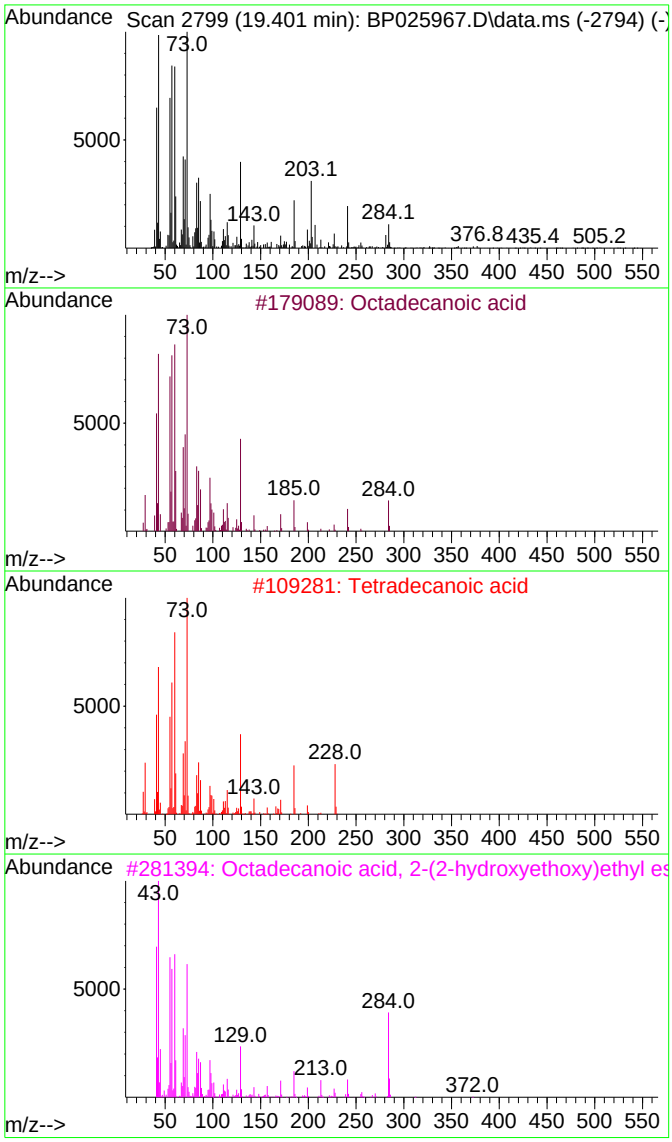
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

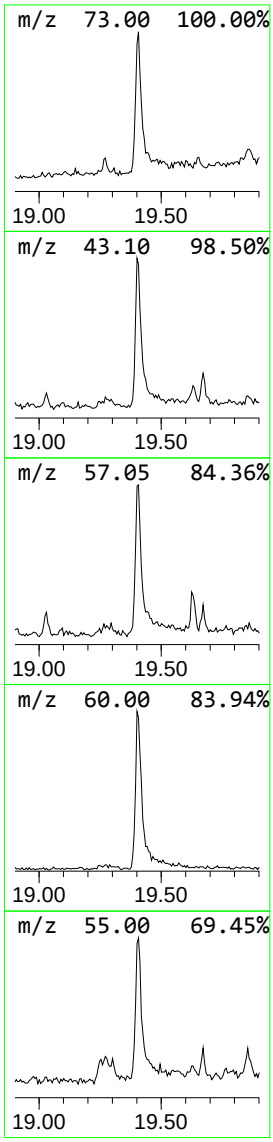
**********

Peak Number 5 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.401 | 2.22 ng | 418353 | Chrysene-d12 | 21.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 64 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

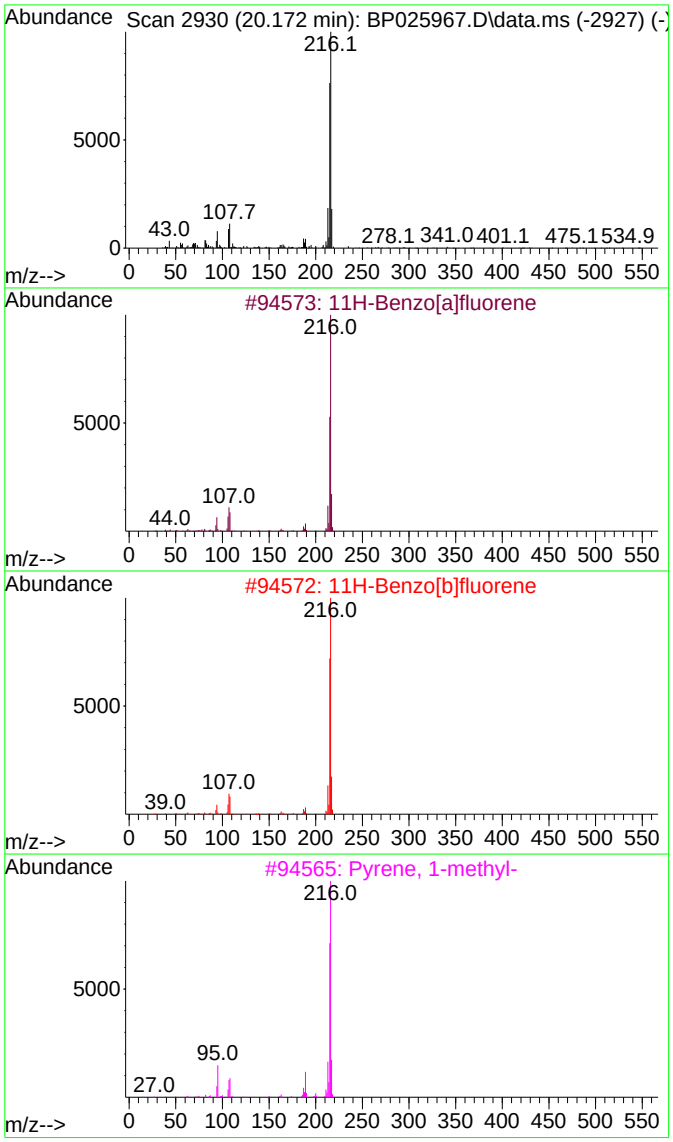
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

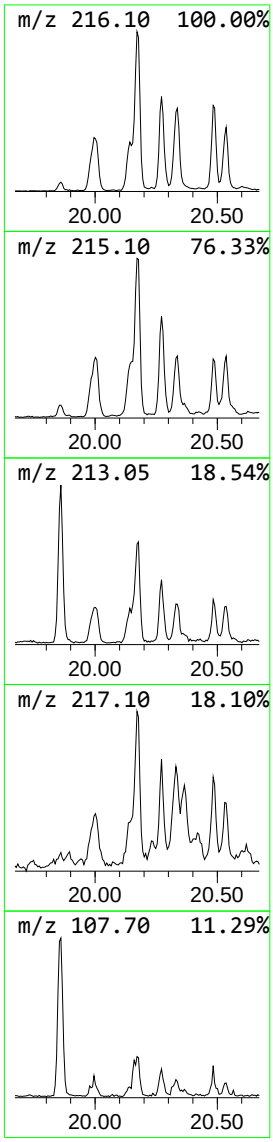
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.172 | 2.13 ng | 400848 | Chrysene-d12 | 21.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 97 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 96 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 86 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

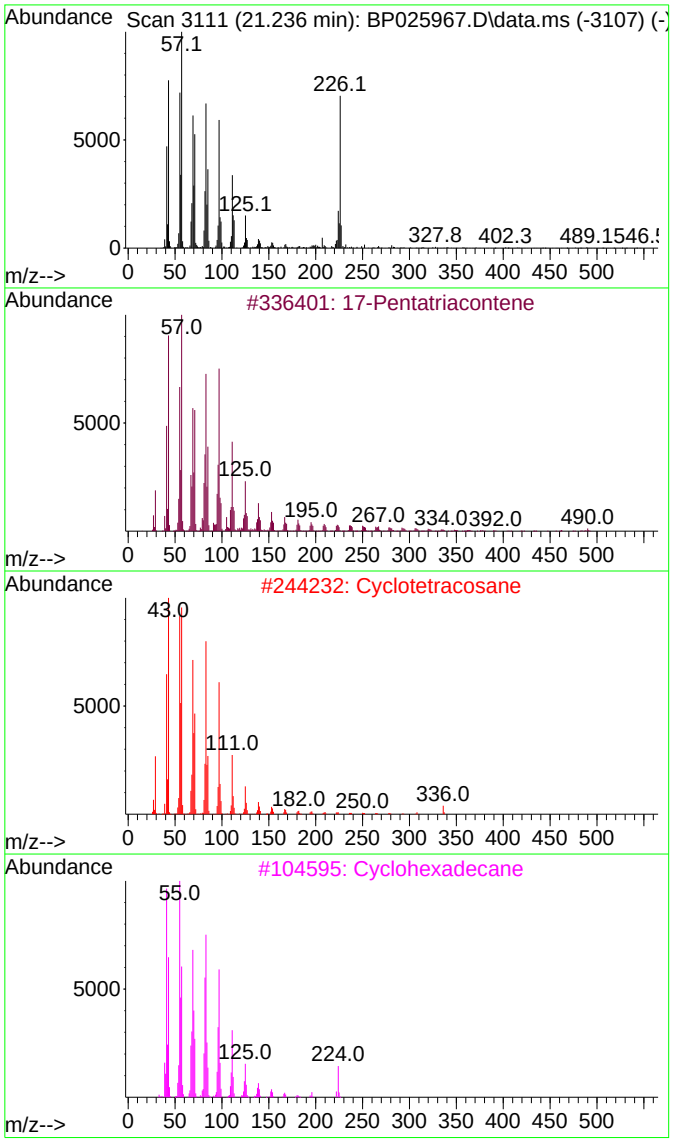
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

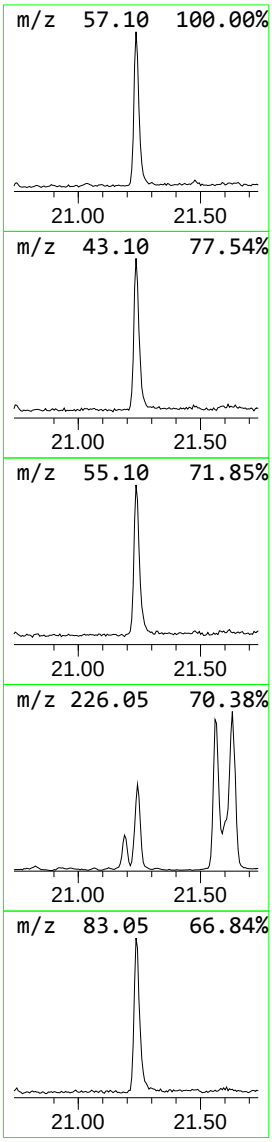
**********

Peak Number 7 17-Pentatriacontene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.236 | 5.71 ng | 1074720 | Chrysene-d12 | 21.583 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 93 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 92 |
| 3 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 78 |
| 4 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 70 |
| 5 | Nonadecyl trifluoroacetate | 380 | C21H39F3O2 | 1000351-76-3 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

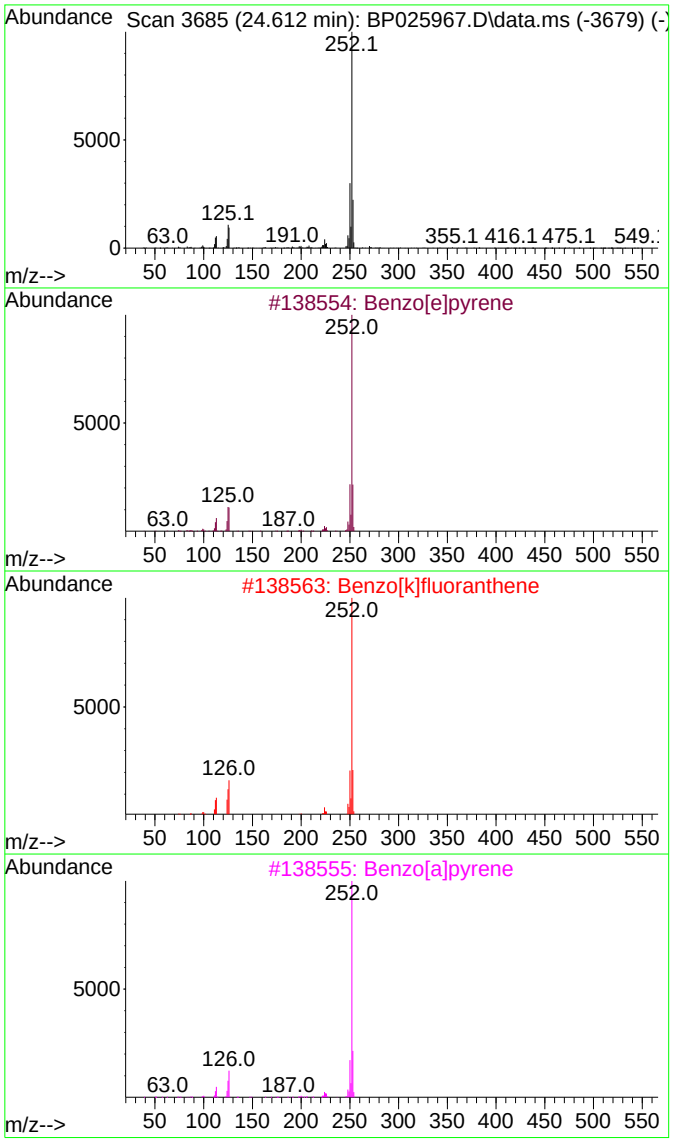
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

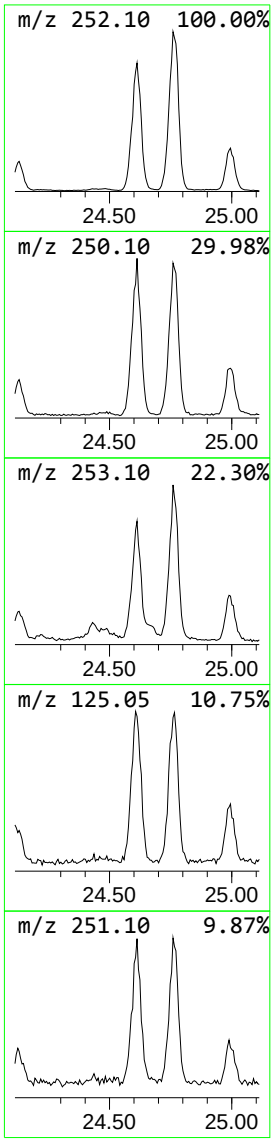
**********

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.613 | 9.78 ng | 958230 | Perylene-d12 | 24.918 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 99 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 5 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ETGI-360

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 15.713 | 7.1 | ng | 637428 | 3 | 14.342 | 1798580 | 20.0 |
| n-Hexadecanoic ... | 18.066 | 16.8 | ng | 1748360 | 4 | 17.142 | 2087130 | 20.0 |
| 4H-Cyclopenta[d... | 18.248 | 3.3 | ng | 341605 | 4 | 17.142 | 2087130 | 20.0 |
| Octadecanoic acid | 19.401 | 2.2 | ng | 418353 | 5 | 21.583 | 3765150 | 20.0 |
| 11H-Benzo[a]flu... | 20.172 | 2.1 | ng | 400848 | 5 | 21.583 | 3765150 | 20.0 |
| 17-Pentatriacon... | 21.236 | 5.7 | ng | 1074720 | 5 | 21.583 | 3765150 | 20.0 |
| Benzo[e]pyrene | 24.613 | 9.8 | ng | 958230 | 6 | 24.918 | 1959170 | 20.0 |