LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

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-BP122821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008698.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.463 | 415 | 421 | 433 | rBV | 1263629 | 1921486 | 4.09% | 1.234% |
| 2 | 7.052 | 683 | 691 | 706 | rBV | 985539 | 1742288 | 3.71% | 1.119% |
| 3 | 7.881 | 825 | 832 | 842 | rBV | 2188364 | 3582481 | 7.62% | 2.301% |
| 4 | 9.040 | 1022 | 1029 | 1040 | rBV | 665534 | 1168460 | 2.49% | 0.750% |
| 5 | 10.687 | 1301 | 1309 | 1315 | rBV | 2564653 | 4455606 | 9.48% | 2.861% |
| 6 | 13.140 | 1719 | 1726 | 1741 | rBV | 1633843 | 2641888 | 5.62% | 1.697% |
| 7 | 14.516 | 1952 | 1960 | 1966 | rBV | 3197047 | 5028688 | 10.70% | 3.229% |
| 8 | 14.581 | 1966 | 1971 | 1979 | rVB | 415696 | 734858 | 1.56% | 0.472% |
| 9 | 14.916 | 2022 | 2028 | 2036 | rBV | 348829 | 568708 | 1.21% | 0.365% |
| 10 | 15.563 | 2133 | 2138 | 2150 | rVB | 421975 | 721481 | 1.54% | 0.463% |
| 11 | 16.004 | 2207 | 2213 | 2222 | rBV2 | 1416864 | 2292555 | 4.88% | 1.472% |
| 12 | 16.916 | 2364 | 2368 | 2376 | rVB | 332718 | 545076 | 1.16% | 0.350% |
| 13 | 17.269 | 2422 | 2428 | 2431 | rBV | 4151811 | 6091379 | 12.96% | 3.912% |
| 14 | 17.310 | 2431 | 2435 | 2441 | rVV | 4936416 | 7022468 | 14.94% | 4.510% |
| 15 | 17.398 | 2442 | 2450 | 2456 | rVB | 1294292 | 2005997 | 4.27% | 1.288% |
| 16 | 17.669 | 2488 | 2496 | 2500 | rBV2 | 537319 | 1002561 | 2.13% | 0.644% |
| 17 | 18.133 | 2571 | 2575 | 2578 | rBV | 700454 | 909259 | 1.93% | 0.584% |
| 18 | 18.180 | 2579 | 2583 | 2589 | rVB | 1150407 | 1656625 | 3.52% | 1.064% |
| 19 | 18.257 | 2592 | 2596 | 2601 | rVB | 451222 | 620802 | 1.32% | 0.399% |
| 20 | 18.322 | 2601 | 2607 | 2611 | rBV3 | 970249 | 1781311 | 3.79% | 1.144% |
| 21 | 18.357 | 2611 | 2613 | 2618 | rVB | 491130 | 586988 | 1.25% | 0.377% |
| 22 | 18.616 | 2653 | 2657 | 2660 | rBV | 516335 | 669909 | 1.43% | 0.430% |
| 23 | 18.651 | 2660 | 2663 | 2668 | rVB | 455792 | 570544 | 1.21% | 0.366% |
| 24 | 19.016 | 2722 | 2725 | 2731 | rBV | 342375 | 493090 | 1.05% | 0.317% |
| 25 | 19.151 | 2745 | 2748 | 2756 | rVB | 475778 | 789663 | 1.68% | 0.507% |
| 26 | 19.274 | 2764 | 2769 | 2775 | rVB | 6179087 | 8072557 | 17.18% | 5.184% |
| 27 | 19.598 | 2819 | 2824 | 2825 | rBV | 1271357 | 1624818 | 3.46% | 1.043% |
| 28 | 19.627 | 2825 | 2829 | 2835 | rVV | 5024468 | 6889823 | 14.66% | 4.424% |
| 29 | 19.698 | 2837 | 2841 | 2848 | rVB2 | 430330 | 720659 | 1.53% | 0.463% |
| 30 | 19.822 | 2855 | 2862 | 2866 | rBV2 | 3186722 | 4234847 | 9.01% | 2.719% |
| 31 | 19.933 | 2878 | 2881 | 2883 | rBV2 | 432035 | 594073 | 1.26% | 0.381% |
| 32 | 20.110 | 2908 | 2911 | 2915 | rVB | 739772 | 917467 | 1.95% | 0.589% |
| 33 | 20.263 | 2932 | 2937 | 2941 | rBV2 | 703404 | 1089658 | 2.32% | 0.700% |
| 34 | 20.839 | 3032 | 3035 | 3040 | rVB | 872281 | 1124218 | 2.39% | 0.722% |
| 35 | 21.039 | 3067 | 3069 | 3072 | rBV | 469549 | 561672 | 1.20% | 0.361% |
| 36 | 21.127 | 3081 | 3084 | 3091 | rVB | 764865 | 1091522 | 2.32% | 0.701% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

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-BP122821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 21.351 | 3115 | 3122 | 3126 | rBV2 | 7271463 | 13035831 | 27.74% | 8.371% |
| 38 | 21.386 | 3126 | 3128 | 3134 | rVB | 2578730 | 3124177 | 6.65% | 2.006% |
| 39 | 21.474 | 3137 | 3143 | 3160 | rBV | 29328293 | 46998458 | 100.00% | 30.181% |
| 40 | 23.039 | 3404 | 3409 | 3415 | rBV | 2039297 | 5232313 | 11.13% | 3.360% |
| 41 | 23.668 | 3512 | 3516 | 3527 | rVB | 1817077 | 3660015 | 7.79% | 2.350% |
| 42 | 23.774 | 3529 | 3534 | 3541 | rVB2 | 3638539 | 7145962 | 15.20% | 4.589% |

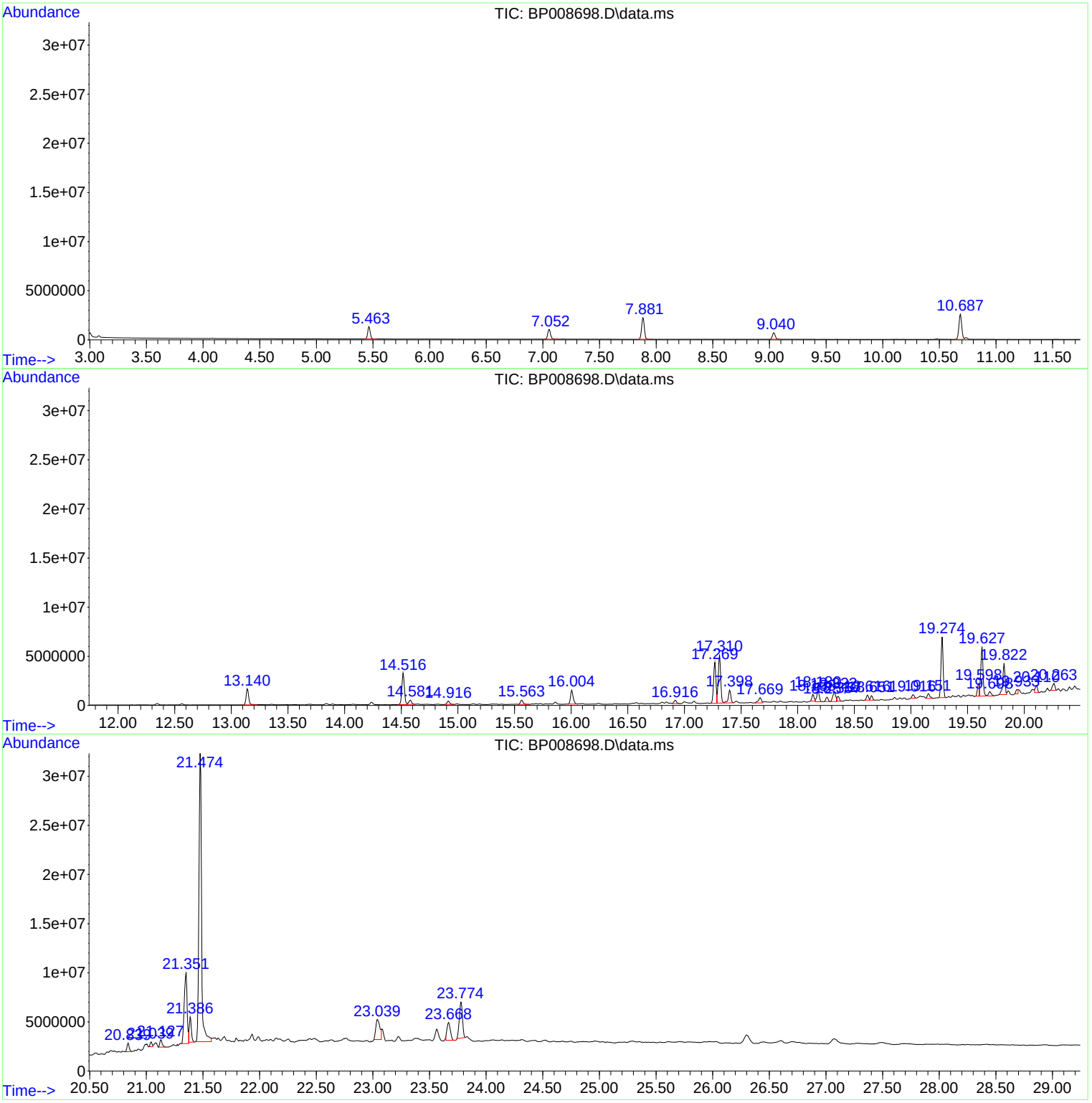
Sum of corrected areas: 155722241

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.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\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

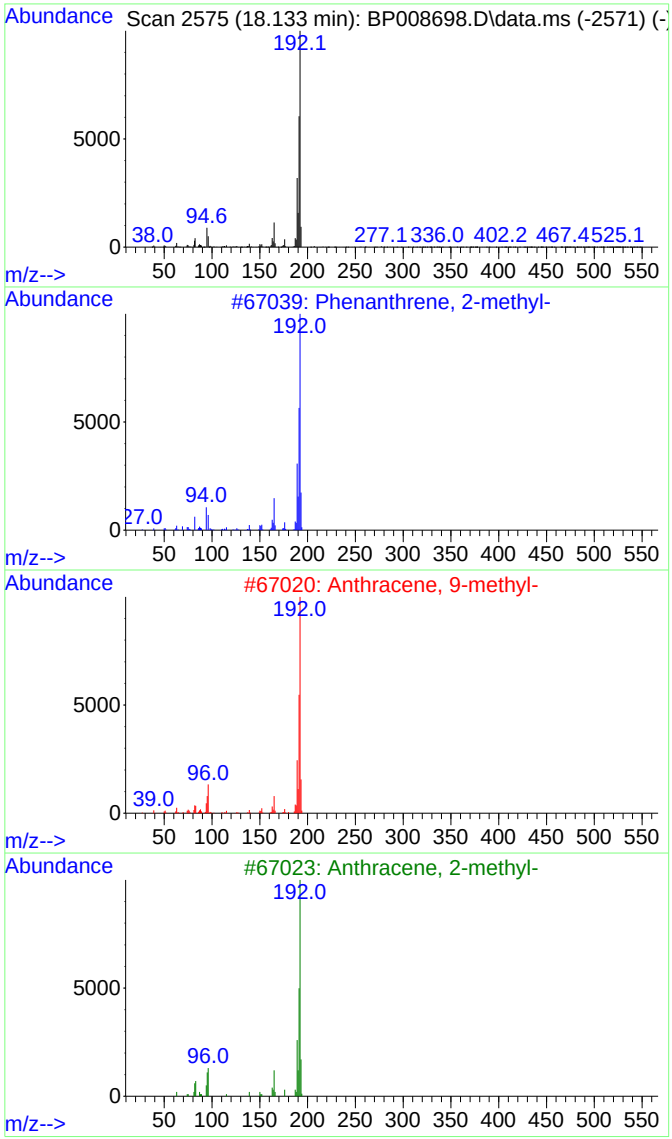
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

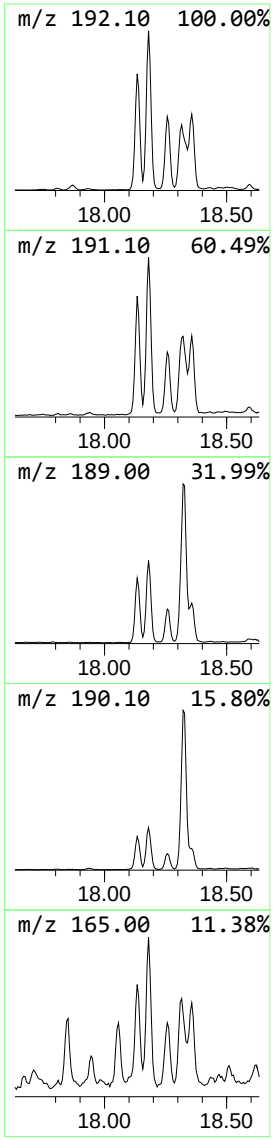
**********

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.133 | 2.99 ng | 909259 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 87 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 83 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

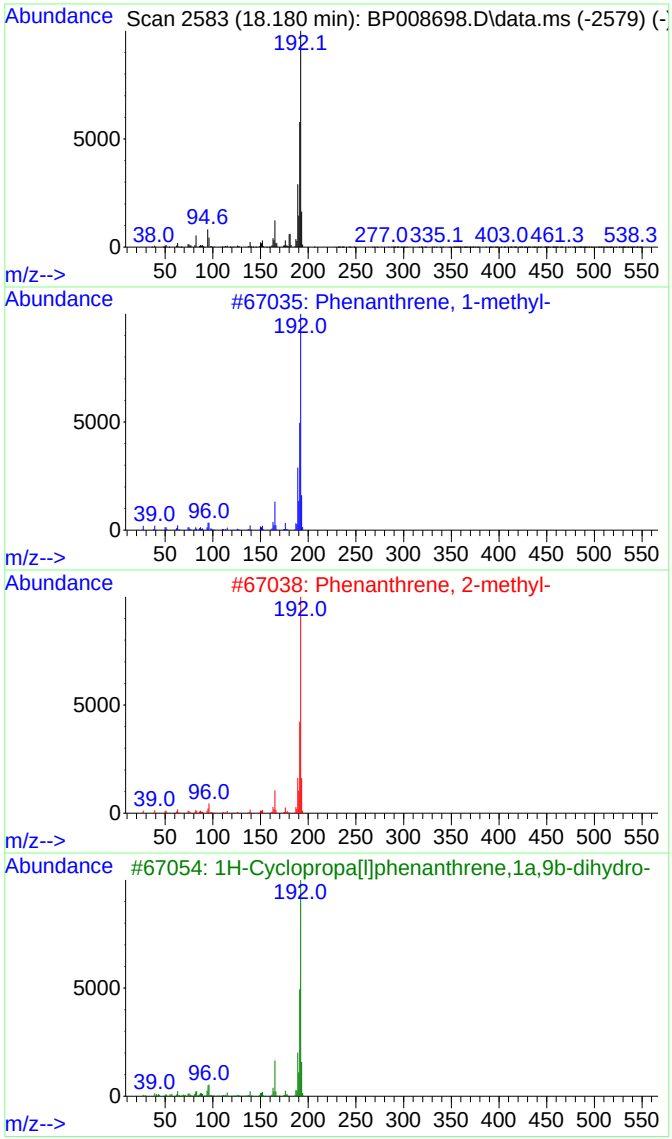
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

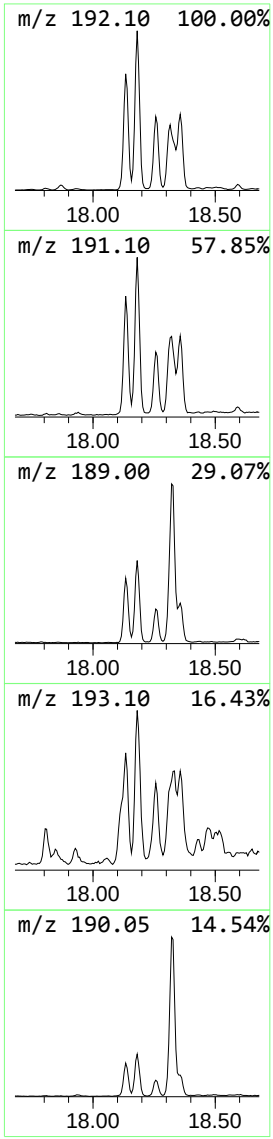
**********

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.180 | 5.44 ng | 1656630 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | 1H-Indene, 1-phenyl- | 192 | C15H12 | 001961-96-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

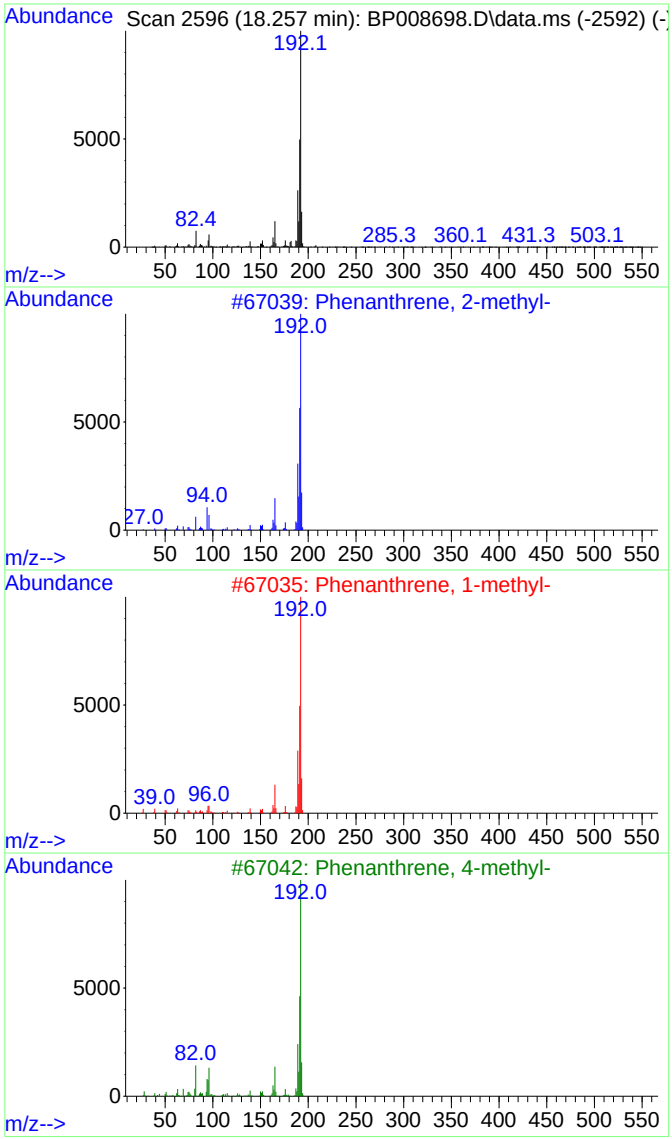
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

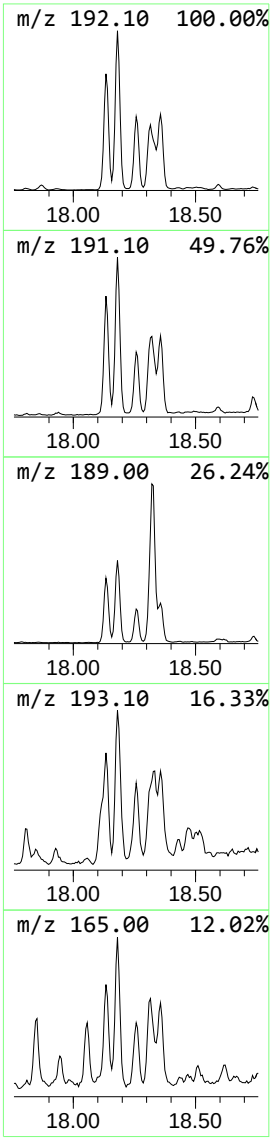
**********

Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.257 | 2.04 ng | 620802 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 95 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

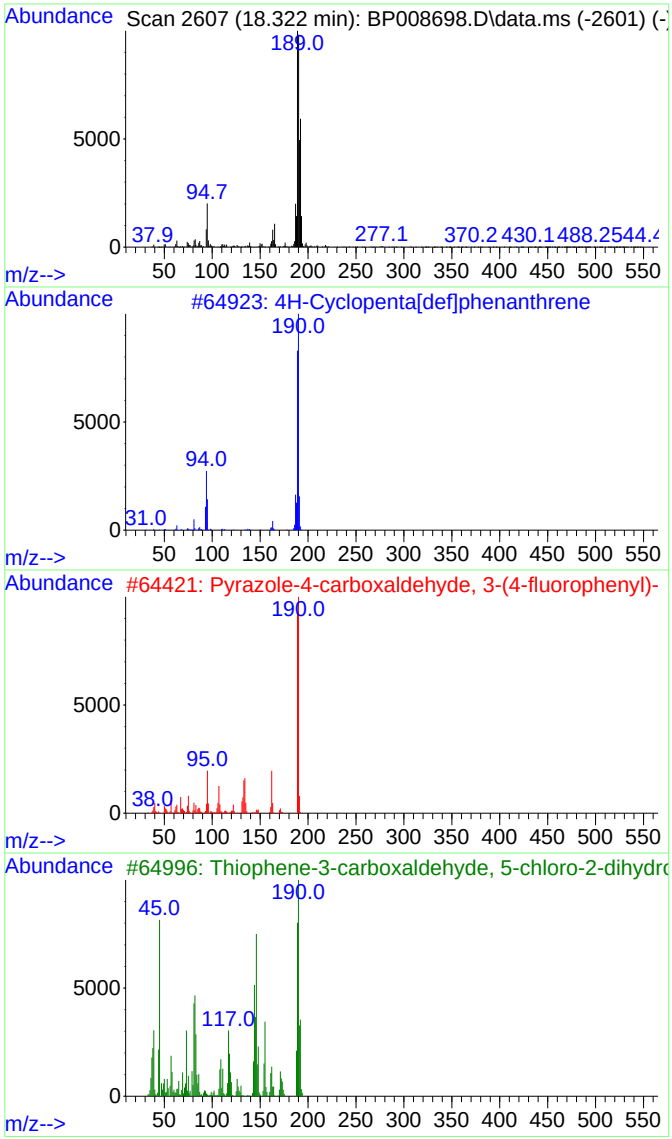
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

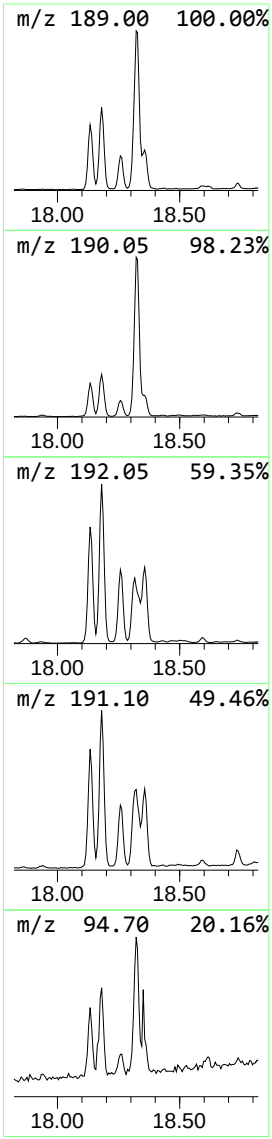
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.322 | 5.85 ng | 1781310 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 92 |
| 2 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 46 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 43 |
| 4 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 38 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

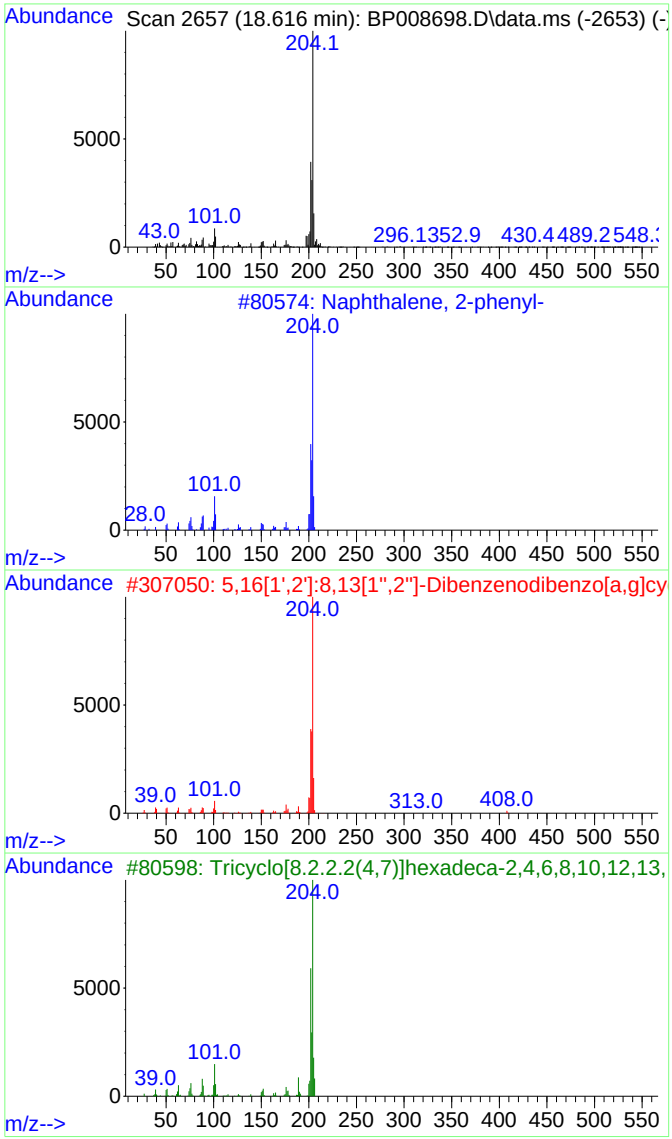
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

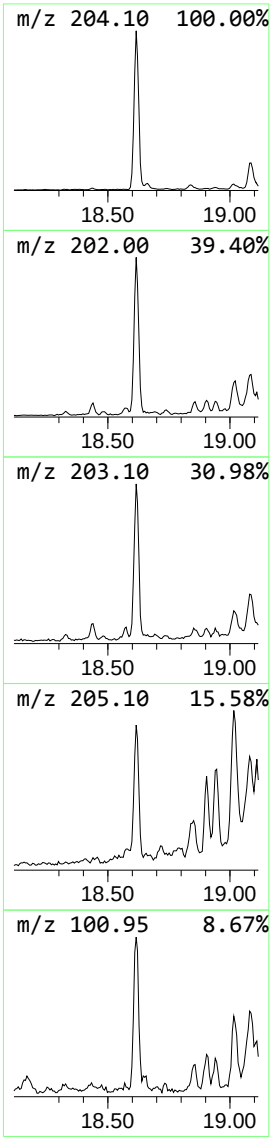
**********

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.616 | 2.20 ng | 669909 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 91 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 3 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 50 |
| 4 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 49 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

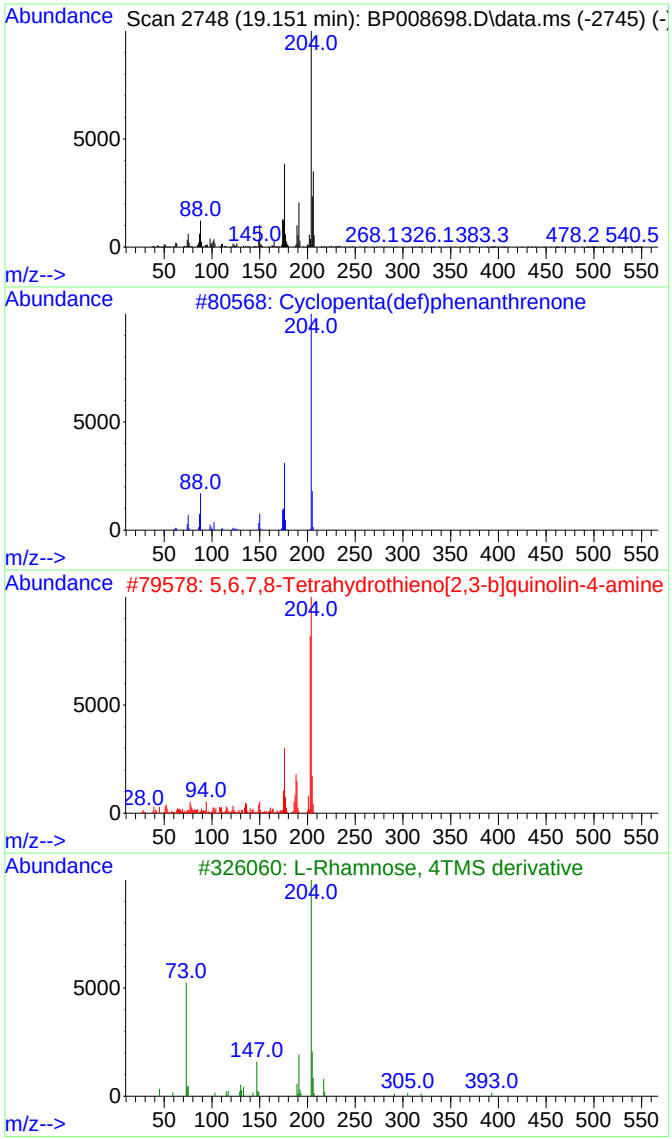
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

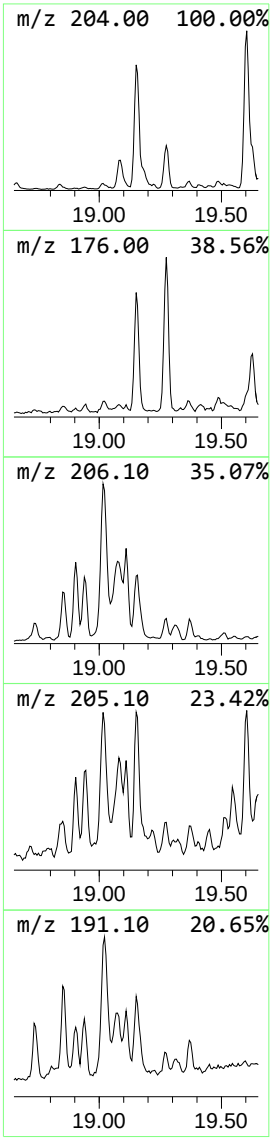
**********

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.151 | 2.59 ng | 789663 | Phenanthrene-d10 | 17.269 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 89 |
| 2 | 5,6,7,8-Tetrahydrothieno[2,3-b]q... | 204 | C11H12N2S | 122914-50-5 | 53 |
| 3 | L-Rhamnose, 4TMS derivative | 452 | C18H44O5Si4 | 019127-15-2 | 43 |
| 4 | 3-(4-Fluorophenyl)-1-methylpyraz... | 204 | C11H9FN2O | 689250-53-1 | 43 |
| 5 | Pyrimidine, 4-chloro-6-(4-methyl... | 204 | C11H9ClN2 | 1000380-55-8 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

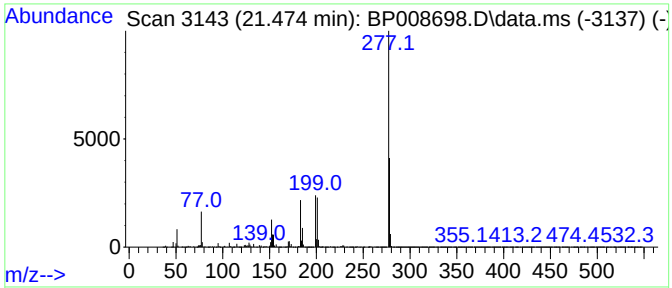
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

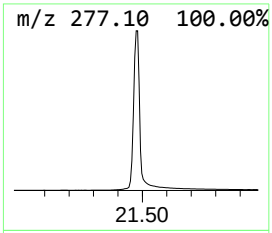
**********

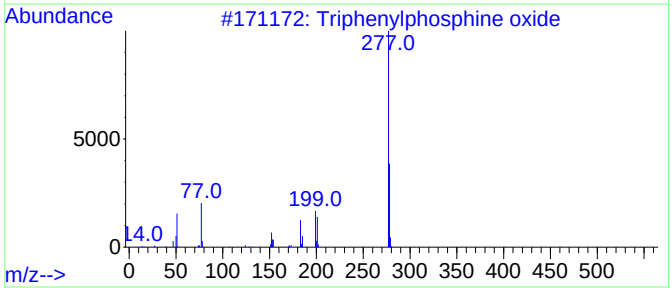
Peak Number 7 Triphenylphosphine oxide Concentration Rank 1

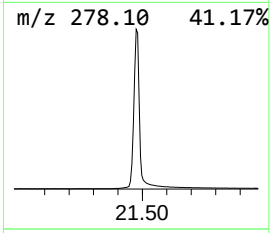
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.474 | 72.11 ng | 46998500 | Chrysene-d12 | 21.351 |

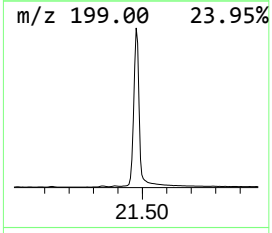
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 96 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 59 |
| 3 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 40 |
| 4 | Cobalt,(.eta.<5>-2,4-cyclopentad... | 277 | C16H15BCo | 036682-12-9 | 17 |
| 5 | Thiophene-3-carbonitrile, 4-(4-m... | 277 | C13H11NO2S2 | 1000268-75-0 | 9 |

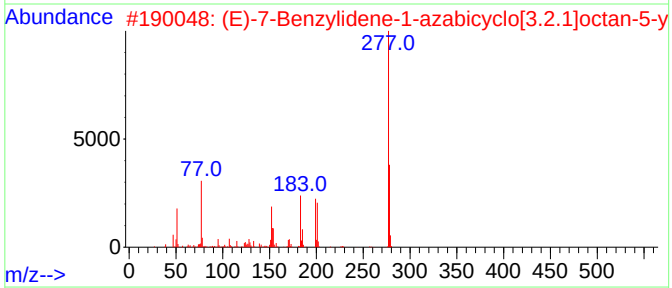


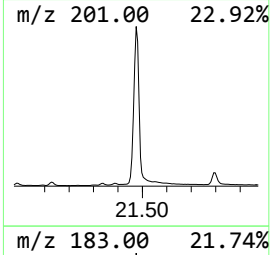



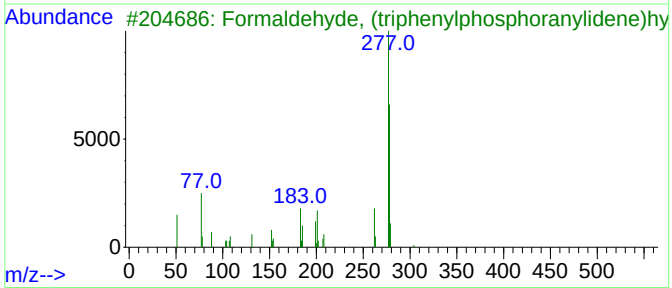



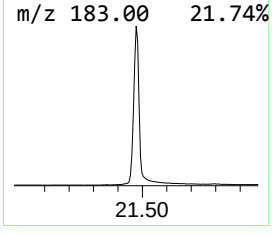



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
Data File : BP008698.D
Acq On : 05 Jan 2022 19:42
Operator : CG/JU
Sample : M5342-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SB-3-(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.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 |
| Phenanthrene, 2... | 18.133 | 3.0 | ng | 909259 | 4 | 17.269 | 6091380 | 20.0 |
| Phenanthrene, 1... | 18.180 | 5.4 | ng | 1656630 | 4 | 17.269 | 6091380 | 20.0 |
| Phenanthrene, 4... | 18.257 | 2.0 | ng | 620802 | 4 | 17.269 | 6091380 | 20.0 |
| 4H-Cyclopenta[d... | 18.322 | 5.8 | ng | 1781310 | 4 | 17.269 | 6091380 | 20.0 |
| Naphthalene, 2-... | 18.616 | 2.2 | ng | 669909 | 4 | 17.269 | 6091380 | 20.0 |
| Cyclopenta(def)... | 19.151 | 2.6 | ng | 789663 | 4 | 17.269 | 6091380 | 20.0 |
| Triphenylphosph... | 21.474 | 72.1 | ng | 46998500 | 5 | 21.351 | 13035800 | 20.0 |