LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126318.D
Acq On : 22 Dec 2021 2:29
Operator : JU/CG
Sample : M5184-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-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_F\Methods\8270-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126318.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.128 | 3 | 7 | 18 | rVB | 123232 | 159089 | 3.66% | 0.453% |
| 2 | 5.040 | 493 | 502 | 513 | rBV | 63536 | 87623 | 2.02% | 0.250% |
| 3 | 5.434 | 563 | 569 | 572 | rBV | 3759592 | 3843488 | 88.51% | 10.949% |
| 4 | 6.445 | 735 | 741 | 744 | rBV | 3463071 | 4012476 | 92.41% | 11.430% |
| 5 | 6.816 | 800 | 804 | 807 | rBV | 1395798 | 1170428 | 26.95% | 3.334% |
| 6 | 7.375 | 893 | 899 | 902 | rBV | 2542073 | 2740528 | 63.11% | 7.807% |
| 7 | 8.098 | 1017 | 1022 | 1027 | rBV | 1768863 | 1634425 | 37.64% | 4.656% |
| 8 | 9.175 | 1200 | 1205 | 1217 | rBV | 4030867 | 4342212 | 100.00% | 12.369% |
| 9 | 9.257 | 1217 | 1219 | 1229 | rVB3 | 57721 | 82858 | 1.91% | 0.236% |
| 10 | 9.851 | 1315 | 1320 | 1337 | rBV | 1741658 | 1800064 | 41.46% | 5.128% |
| 11 | 10.639 | 1449 | 1454 | 1465 | rBV | 2414946 | 2618740 | 60.31% | 7.460% |
| 12 | 11.339 | 1569 | 1573 | 1575 | rBV | 1722693 | 1704143 | 39.25% | 4.854% |
| 13 | 11.357 | 1575 | 1576 | 1579 | rVB | 149874 | 100185 | 2.31% | 0.285% |
| 14 | 11.875 | 1660 | 1664 | 1667 | rBV2 | 399545 | 432041 | 9.95% | 1.231% |
| 15 | 11.904 | 1667 | 1669 | 1673 | rVB | 61042 | 63368 | 1.46% | 0.181% |
| 16 | 12.545 | 1775 | 1778 | 1781 | rBV | 437626 | 373145 | 8.59% | 1.063% |
| 17 | 12.657 | 1793 | 1797 | 1802 | rBV2 | 88599 | 113920 | 2.62% | 0.325% |
| 18 | 12.774 | 1810 | 1817 | 1821 | rVV | 374982 | 395169 | 9.10% | 1.126% |
| 19 | 12.827 | 1823 | 1826 | 1830 | rVB3 | 53214 | 49025 | 1.13% | 0.140% |
| 20 | 12.927 | 1838 | 1843 | 1846 | rBV | 3841620 | 3676752 | 84.67% | 10.474% |
| 21 | 13.104 | 1871 | 1873 | 1877 | rVB | 58747 | 48246 | 1.11% | 0.137% |
| 22 | 13.204 | 1887 | 1890 | 1893 | rBV | 45617 | 49098 | 1.13% | 0.140% |
| 23 | 13.610 | 1956 | 1959 | 1964 | rVB2 | 43357 | 58887 | 1.36% | 0.168% |
| 24 | 13.816 | 1991 | 1994 | 1999 | rVB3 | 38548 | 51683 | 1.19% | 0.147% |
| 25 | 13.898 | 2002 | 2008 | 2016 | rBV3 | 323921 | 1096192 | 25.25% | 3.123% |
| 26 | 13.974 | 2016 | 2021 | 2023 | rVV2 | 1367373 | 1610841 | 37.10% | 4.589% |
| 27 | 13.998 | 2023 | 2025 | 2032 | rVV | 262230 | 291536 | 6.71% | 0.830% |
| 28 | 14.068 | 2032 | 2037 | 2045 | rVB | 391724 | 468236 | 10.78% | 1.334% |
| 29 | 14.757 | 2148 | 2154 | 2160 | rVB4 | 32202 | 58235 | 1.34% | 0.166% |
| 30 | 14.833 | 2163 | 2167 | 2176 | rVB2 | 40172 | 55576 | 1.28% | 0.158% |
| 31 | 15.004 | 2190 | 2196 | 2199 | rBV | 164083 | 271856 | 6.26% | 0.774% |
| 32 | 15.092 | 2207 | 2211 | 2219 | rVB3 | 40188 | 70404 | 1.62% | 0.201% |
| 33 | 15.298 | 2241 | 2246 | 2251 | rVB | 96518 | 120650 | 2.78% | 0.344% |
| 34 | 15.357 | 2252 | 2256 | 2262 | rVV | 107779 | 136627 | 3.15% | 0.389% |
| 35 | 15.421 | 2262 | 2267 | 2279 | rVV | 712890 | 1004382 | 23.13% | 2.861% |
| 36 | 15.898 | 2344 | 2348 | 2352 | rVB2 | 29925 | 43631 | 1.00% | 0.124% |

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Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.139 | 2377 | 2389 | 2390 | rBV9 | 28768 | 87315 | 2.01% | 0.249% |
| 38 | 16.851 | 2504 | 2510 | 2520 | rVB2 | 44060 | 102790 | 2.37% | 0.293% |
| 39 | 17.280 | 2577 | 2583 | 2589 | rBV2 | 34399 | 79127 | 1.82% | 0.225% |

Sum of corrected areas: 35104991

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**Instrument :**
BNA_F
**ClientSampleId :**
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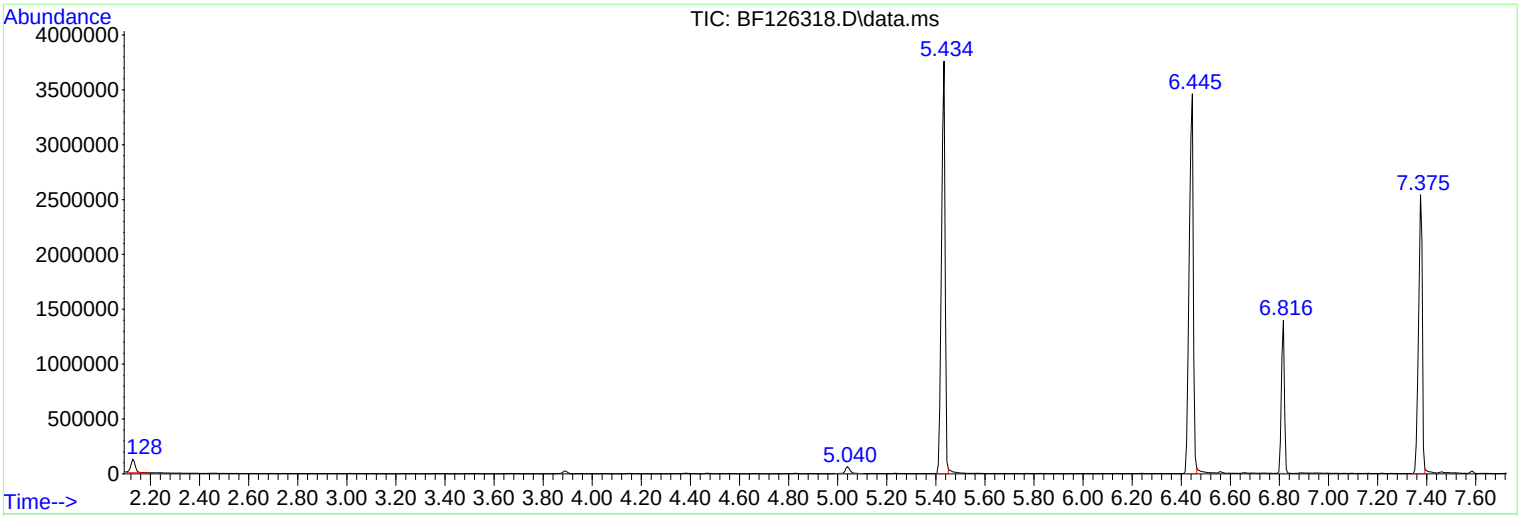
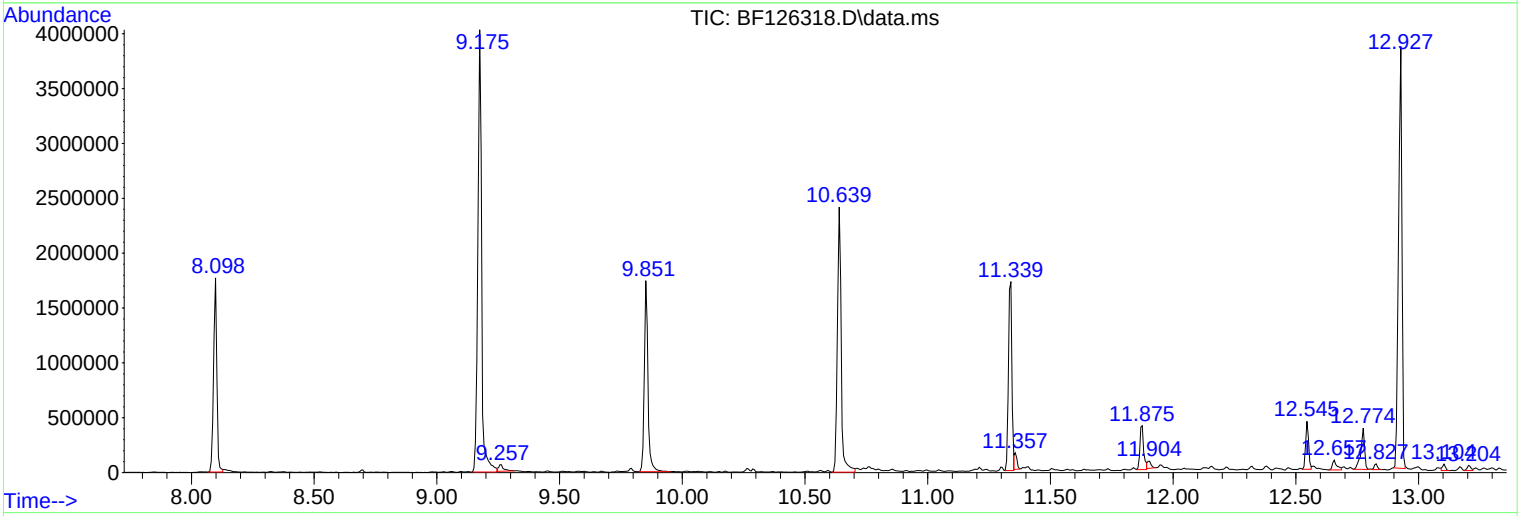
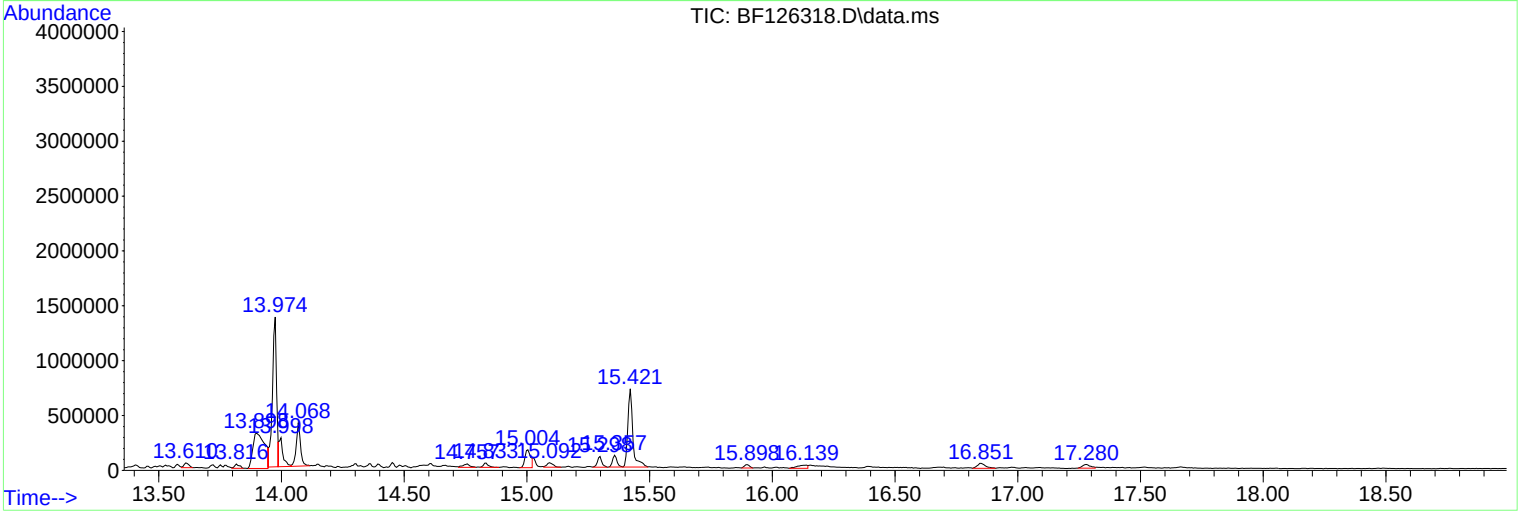
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126318.D
Acq On : 22 Dec 2021 2:29
Operator : JU/CG
Sample : M5184-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
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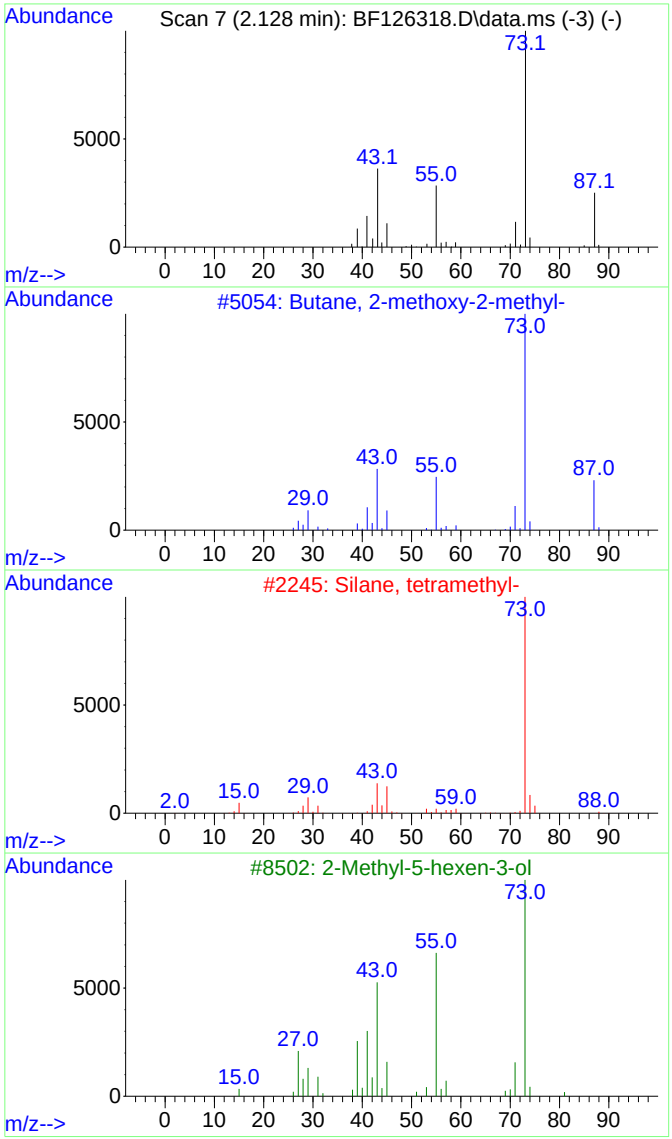
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

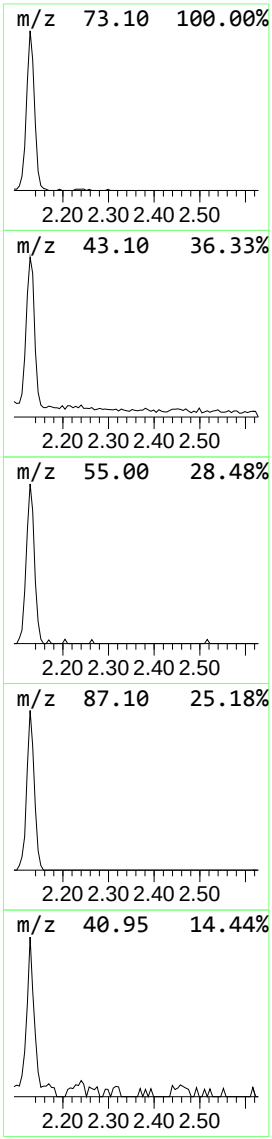
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.128 | 2.72 ng | 159089 | 1,4-Dichlorobenzene-d4 | 6.816 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 3 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 28 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 16 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



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Operator : JU/CG
Sample : M5184-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

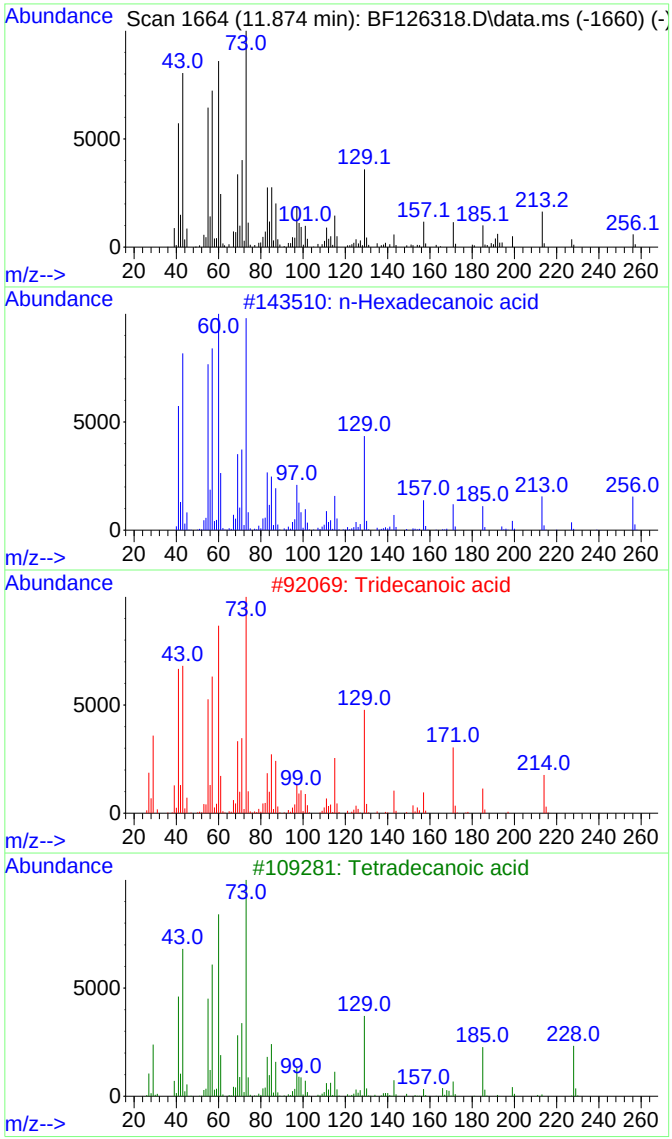
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

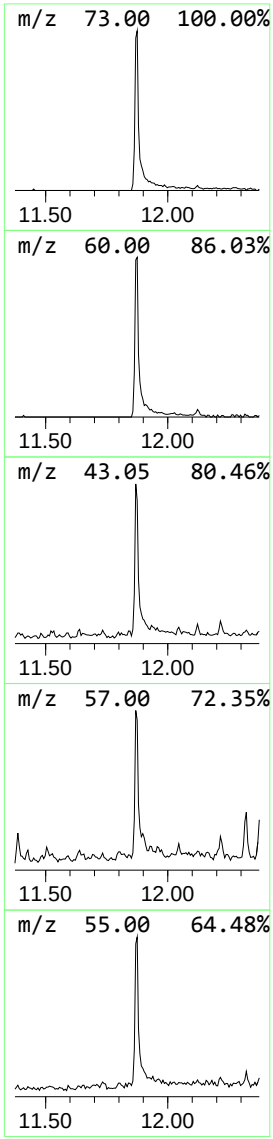
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.874 | 5.07 ng | 432041 | Phenanthrene-d10 | 11.339 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 94 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 64 |



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Sample : M5184-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

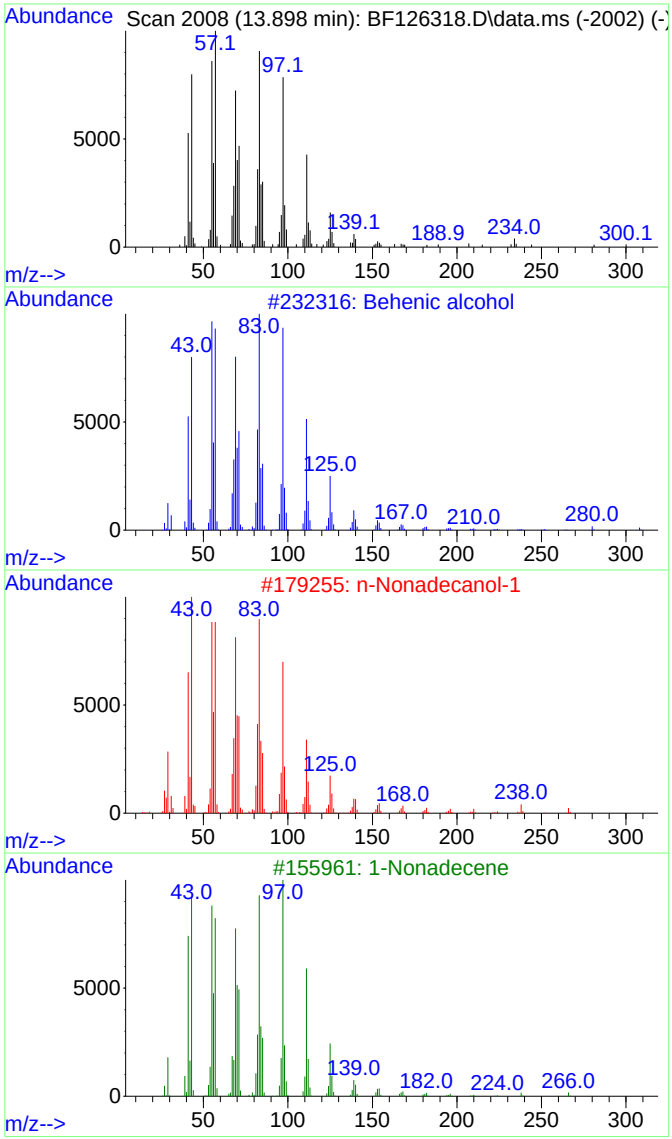
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

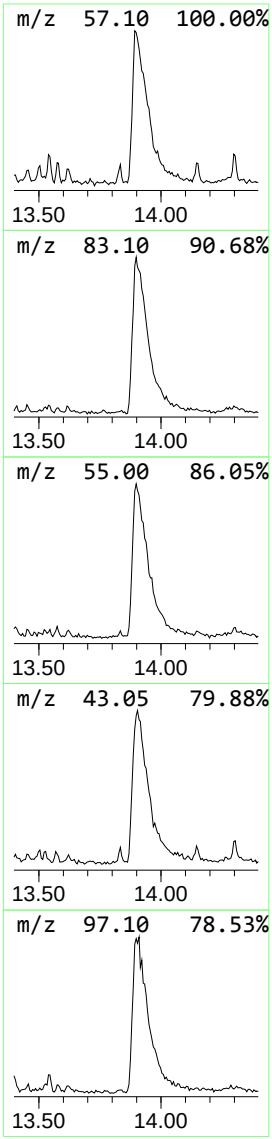
**********

Peak Number 3 Behenic alcohol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.898 | 13.61 ng | 1096190 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 2 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 93 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 4 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 91 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |



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Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

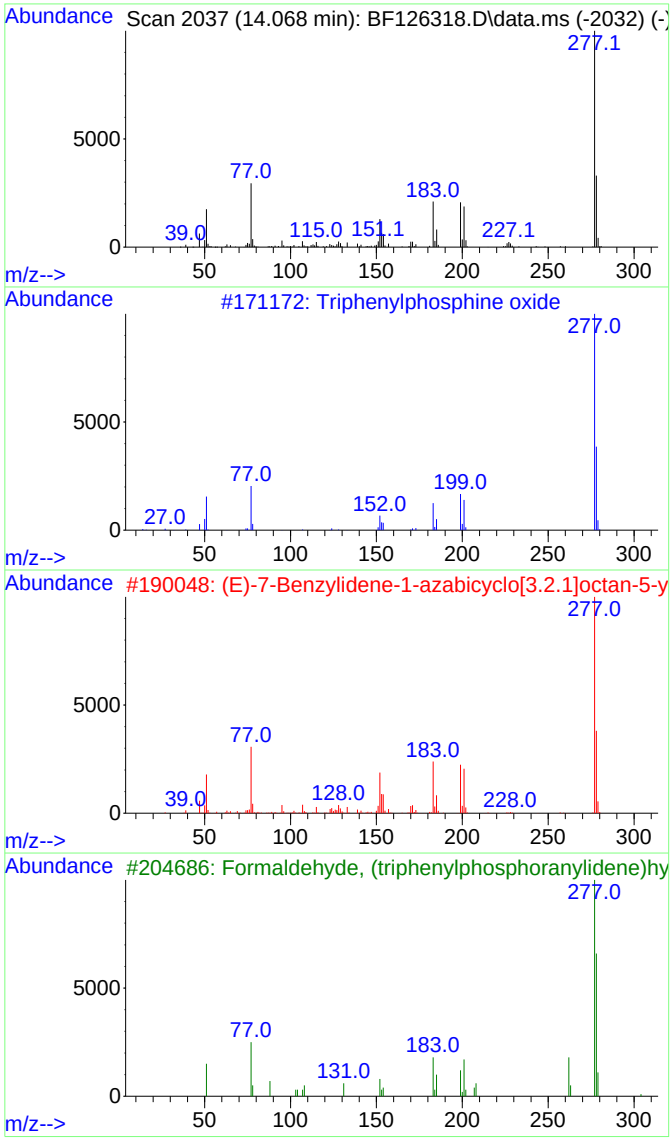
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

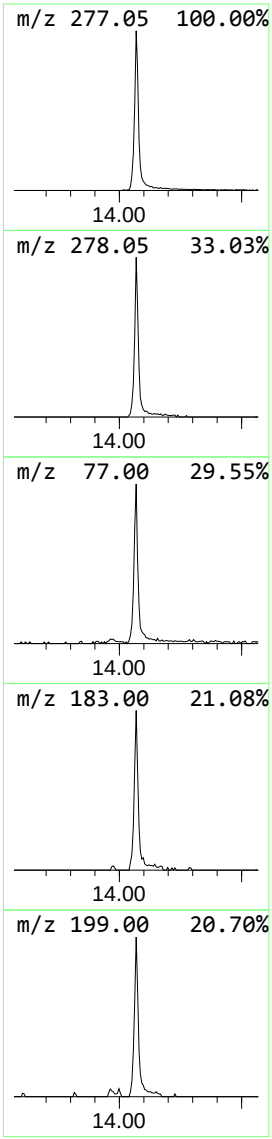
**********

Peak Number 4 Triphenylphosphine oxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.069 | 5.81 ng | 468236 | Chrysene-d12 | 13.974 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triphenylphosphine oxide | 278 | C18H15OP | 000791-28-6 | 97 |
| 2 | (E)-7-Benzylidene-1-azabicyclo[3... | 293 | C15H19NO3S | 1000483-83-4 | 94 |
| 3 | Formaldehyde, (triphenylphosphor... | 304 | C19H17N2P | 015990-54-2 | 64 |
| 4 | 4-Nitro-4'-methyldiphenylsulfone | 277 | C13H11NO4S | 004094-37-5 | 46 |
| 5 | 2-Phenyl-6-(trifluoromethyl)-1H-... | 277 | C15H10F3NO | 1000387-59-3 | 37 |



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ALS Vial : 20 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

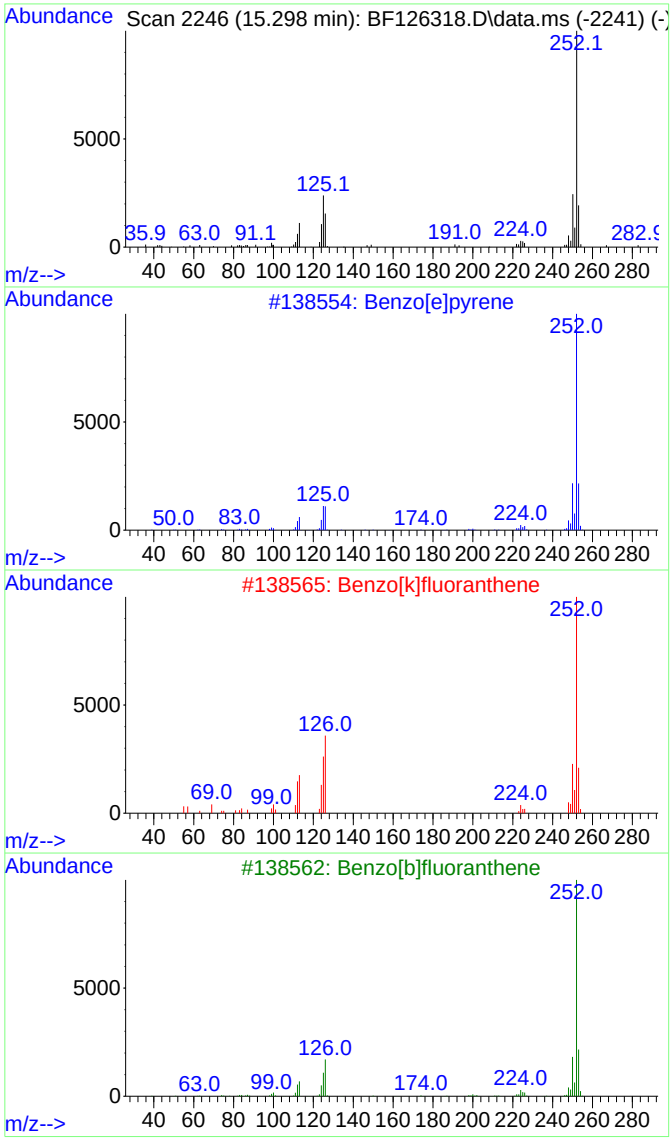
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

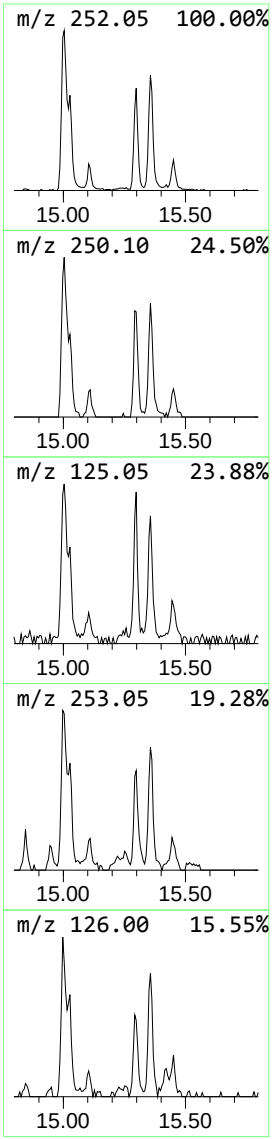
**********

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.298 | 2.40 ng | 120650 | Perylene-d12 | 15.421 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 94 |
| 3 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 5 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 89 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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 |
| Butane, 2-metho... | 2.128 | 2.7 | ng | 159089 | 1 | 6.816 | 1170430 | 20.0 |
| n-Hexadecanoic ... | 11.874 | 5.1 | ng | 432041 | 4 | 11.339 | 1704140 | 20.0 |
| Behenic alcohol | 13.898 | 13.6 | ng | 1096190 | 5 | 13.974 | 1610840 | 20.0 |
| Triphenylphosph... | 14.069 | 5.8 | ng | 468236 | 5 | 13.974 | 1610840 | 20.0 |
| Benzo[e]pyrene | 15.298 | 2.4 | ng | 120650 | 6 | 15.421 | 1004380 | 20.0 |