LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

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-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132529.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.243 | 404 | 409 | 416 | rVB | 1325844 | 1477967 | 44.34% | 5.318% |
| 2 | 5.637 | 472 | 476 | 479 | rBV | 3129656 | 2774818 | 83.24% | 9.985% |
| 3 | 6.631 | 641 | 645 | 648 | rBV | 2947942 | 2810201 | 84.30% | 10.113% |
| 4 | 7.007 | 705 | 709 | 712 | rBV | 1182657 | 922640 | 27.68% | 3.320% |
| 5 | 7.572 | 800 | 805 | 808 | rBV | 2024853 | 1880188 | 56.40% | 6.766% |
| 6 | 8.289 | 924 | 927 | 930 | rBV | 1377098 | 1196434 | 35.89% | 4.305% |
| 7 | 9.366 | 1106 | 1110 | 1114 | rBV | 3753253 | 3333440 | 100.00% | 11.995% |
| 8 | 9.436 | 1119 | 1122 | 1125 | rBV | 50634 | 43699 | 1.31% | 0.157% |
| 9 | 9.760 | 1174 | 1177 | 1181 | rBV2 | 38007 | 39711 | 1.19% | 0.143% |
| 10 | 9.913 | 1200 | 1203 | 1206 | rBV | 41349 | 38471 | 1.15% | 0.138% |
| 11 | 9.966 | 1209 | 1212 | 1215 | rVB | 44821 | 40717 | 1.22% | 0.147% |
| 12 | 10.054 | 1223 | 1227 | 1230 | rVV | 1658925 | 1310032 | 39.30% | 4.714% |
| 13 | 10.083 | 1230 | 1232 | 1236 | rVB | 71201 | 62661 | 1.88% | 0.225% |
| 14 | 10.260 | 1258 | 1262 | 1265 | rVB2 | 45877 | 49240 | 1.48% | 0.177% |
| 15 | 10.472 | 1291 | 1298 | 1301 | rVB2 | 41352 | 49545 | 1.49% | 0.178% |
| 16 | 10.601 | 1317 | 1320 | 1326 | rVB | 66261 | 62217 | 1.87% | 0.224% |
| 17 | 10.766 | 1345 | 1348 | 1351 | rVB2 | 137675 | 105810 | 3.17% | 0.381% |
| 18 | 10.848 | 1358 | 1362 | 1365 | rBV | 2145920 | 1920471 | 57.61% | 6.911% |
| 19 | 10.960 | 1376 | 1381 | 1387 | rVB3 | 77364 | 124093 | 3.72% | 0.447% |
| 20 | 11.395 | 1452 | 1455 | 1458 | rBV3 | 80437 | 70530 | 2.12% | 0.254% |
| 21 | 11.442 | 1462 | 1463 | 1468 | rVB2 | 35825 | 36032 | 1.08% | 0.130% |
| 22 | 11.548 | 1477 | 1481 | 1483 | rBV | 1466305 | 1227567 | 36.83% | 4.417% |
| 23 | 11.572 | 1483 | 1485 | 1489 | rVV | 488701 | 390050 | 11.70% | 1.404% |
| 24 | 11.625 | 1489 | 1494 | 1496 | rVV | 104902 | 110364 | 3.31% | 0.397% |
| 25 | 11.648 | 1496 | 1498 | 1505 | rVB7 | 26448 | 41065 | 1.23% | 0.148% |
| 26 | 11.777 | 1517 | 1520 | 1525 | rVB | 49983 | 47729 | 1.43% | 0.172% |
| 27 | 12.054 | 1564 | 1567 | 1570 | rBV2 | 169651 | 193335 | 5.80% | 0.696% |
| 28 | 12.166 | 1583 | 1586 | 1588 | rBV2 | 88992 | 88972 | 2.67% | 0.320% |
| 29 | 12.348 | 1614 | 1617 | 1619 | rBV | 48199 | 38763 | 1.16% | 0.139% |
| 30 | 12.372 | 1619 | 1621 | 1628 | rVB2 | 33701 | 37623 | 1.13% | 0.135% |
| 31 | 12.689 | 1672 | 1675 | 1680 | rBV | 37922 | 37469 | 1.12% | 0.135% |
| 32 | 12.766 | 1685 | 1688 | 1692 | rBV | 584547 | 544753 | 16.34% | 1.960% |
| 33 | 12.848 | 1697 | 1702 | 1703 | rBV3 | 29198 | 37084 | 1.11% | 0.133% |
| 34 | 13.001 | 1725 | 1728 | 1734 | rVB | 577961 | 510179 | 15.30% | 1.836% |
| 35 | 13.136 | 1747 | 1751 | 1755 | rBV | 2668161 | 2381004 | 71.43% | 8.568% |
| 36 | 13.213 | 1761 | 1764 | 1769 | rBV3 | 39275 | 62780 | 1.88% | 0.226% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

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-BF022223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.324 | 1781 | 1783 | 1786 | rVB | 58852 | 53699 | 1.61% | 0.193% |
| 38 | 13.395 | 1792 | 1795 | 1797 | rBV | 54169 | 43110 | 1.29% | 0.155% |
| 39 | 13.560 | 1820 | 1823 | 1827 | rBV3 | 29466 | 41044 | 1.23% | 0.148% |
| 40 | 13.701 | 1844 | 1847 | 1849 | rBV | 41855 | 40725 | 1.22% | 0.147% |
| 41 | 14.030 | 1900 | 1903 | 1910 | rVB4 | 192789 | 291371 | 8.74% | 1.048% |
| 42 | 14.207 | 1928 | 1933 | 1935 | rBV2 | 890989 | 1044410 | 31.33% | 3.758% |
| 43 | 14.230 | 1935 | 1937 | 1945 | rVB | 232892 | 211571 | 6.35% | 0.761% |
| 44 | 15.289 | 2113 | 2117 | 2125 | rBV | 204087 | 430239 | 12.91% | 1.548% |
| 45 | 15.348 | 2125 | 2127 | 2131 | rVB2 | 53879 | 57445 | 1.72% | 0.207% |
| 46 | 15.624 | 2170 | 2174 | 2180 | rVB | 137477 | 193898 | 5.82% | 0.698% |
| 47 | 15.689 | 2181 | 2185 | 2191 | rBV | 168179 | 221676 | 6.65% | 0.798% |
| 48 | 15.760 | 2192 | 2197 | 2201 | rBV | 715828 | 902740 | 27.08% | 3.249% |
| 49 | 17.354 | 2463 | 2468 | 2477 | rVB3 | 79703 | 159742 | 4.79% | 0.575% |

Sum of corrected areas: 27789324

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
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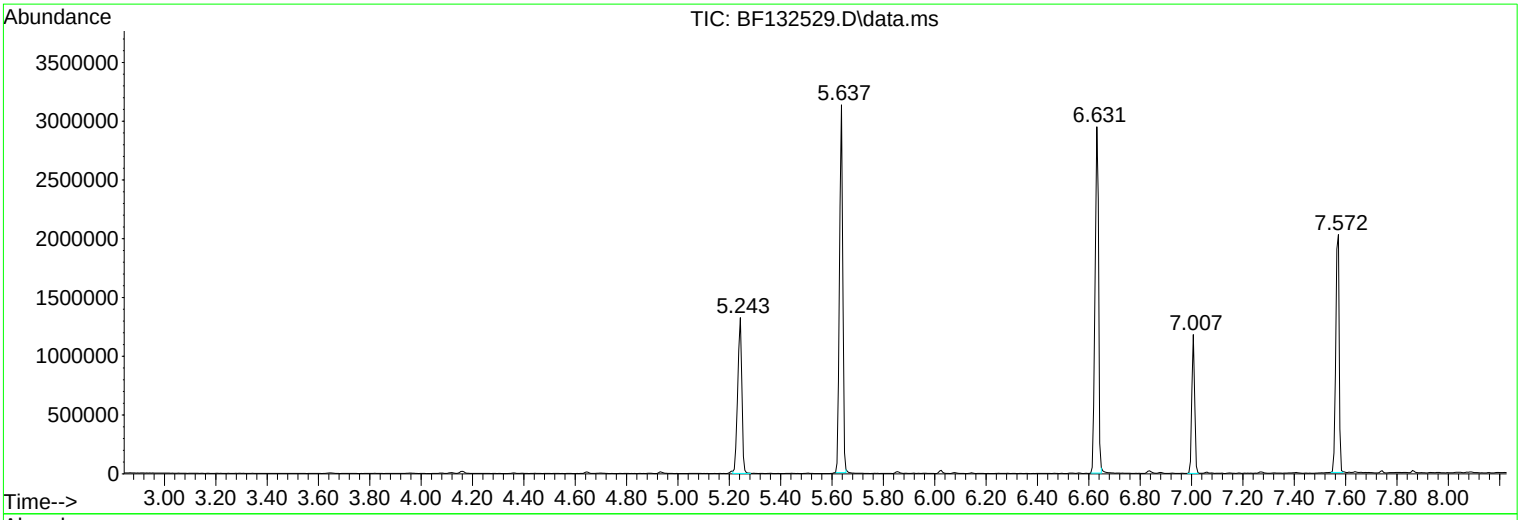
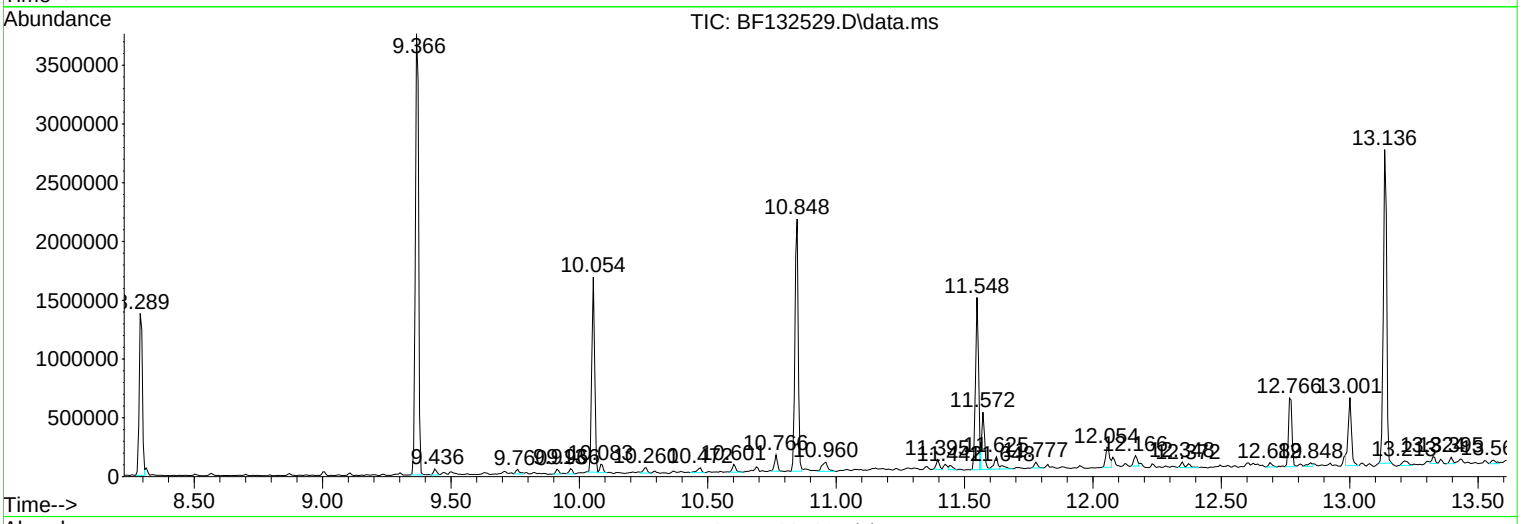
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

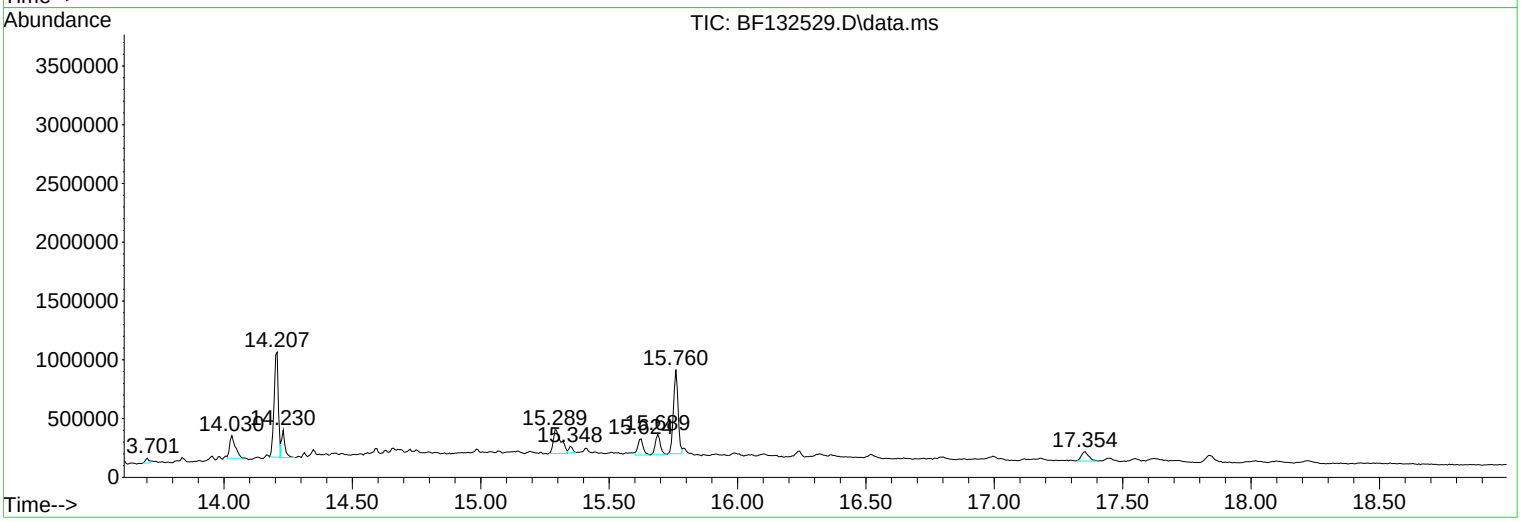
**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

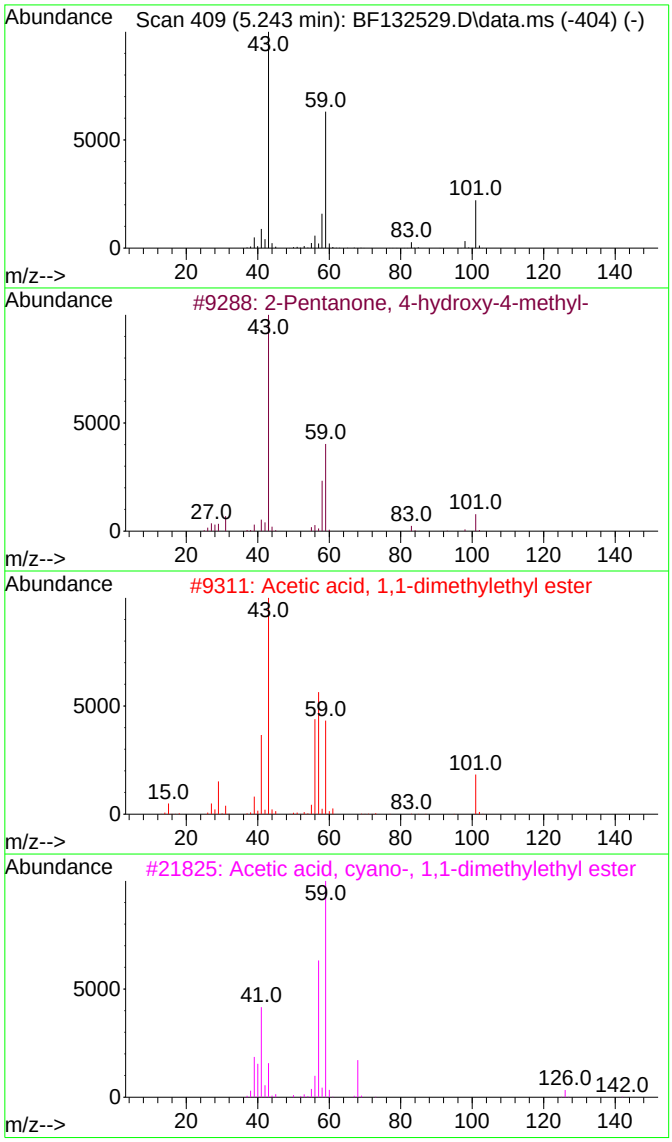
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

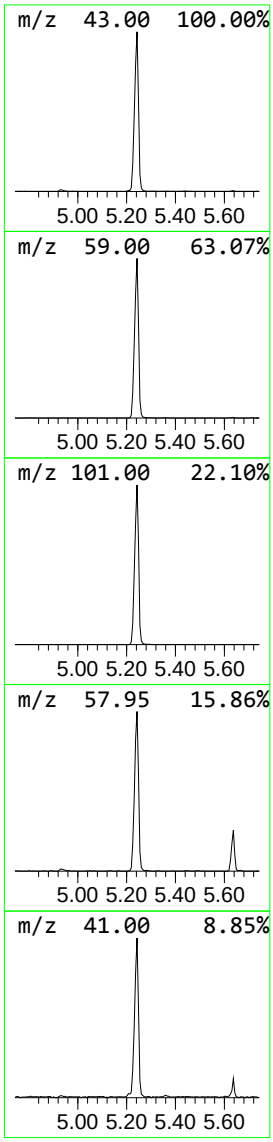
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.243 | 32.04 ng | 1477970 | 1,4-Dichlorobenzene-d4 | 7.007 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

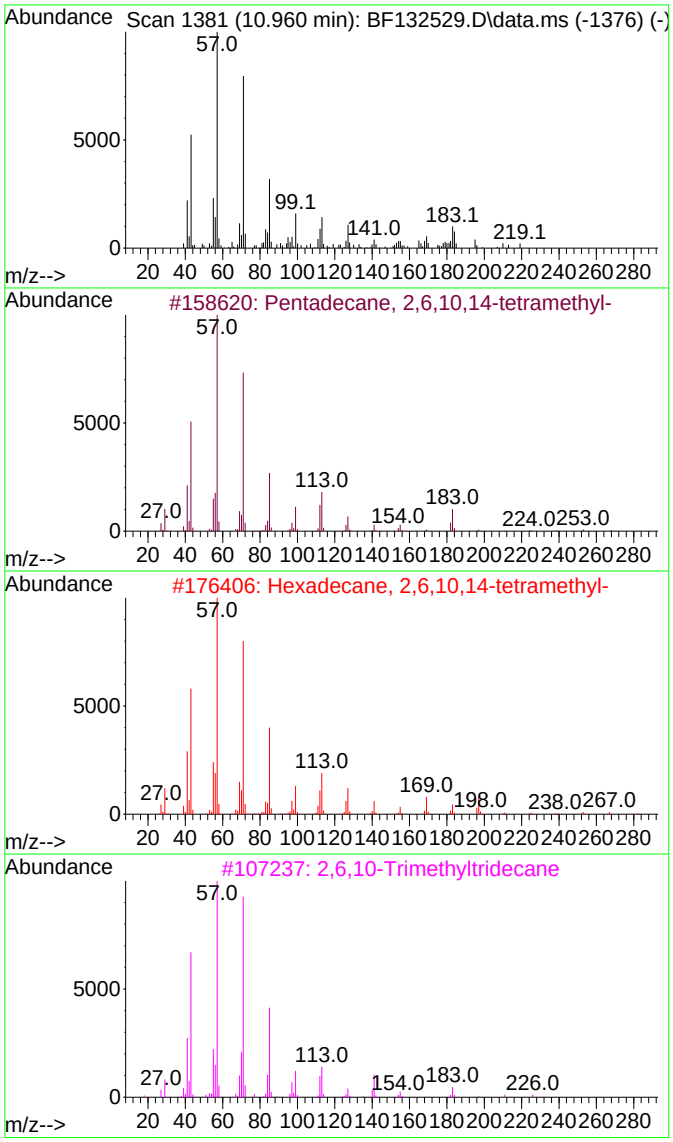
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

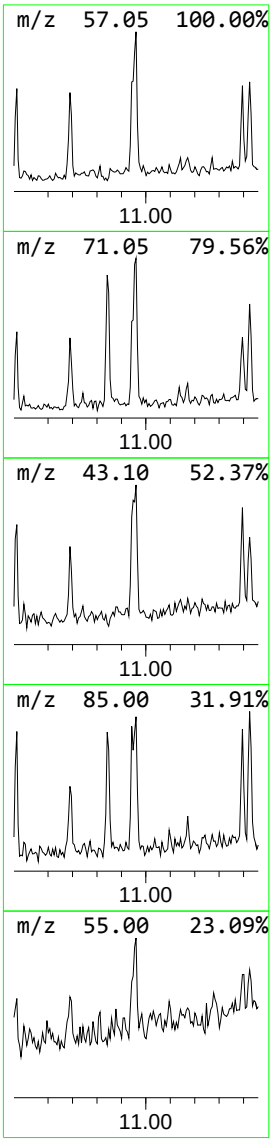
**********

Peak Number 2 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.960 | 2.02 ng | 124093 | Phenanthrene-d10 | 11.548 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 90 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 86 |
| 3 | 2,6,10-Trimethyltridecane | 226 | C16H34 | 003891-99-4 | 80 |
| 4 | Pentadecane, 4-methyl- | 226 | C16H34 | 002801-87-8 | 78 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

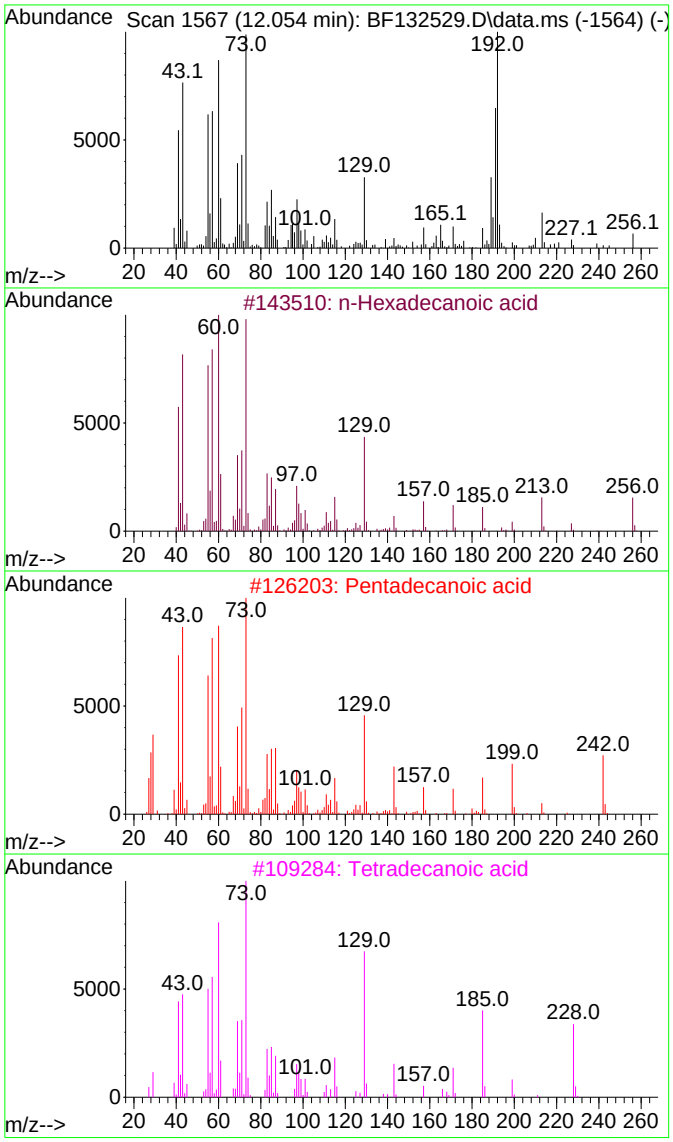
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

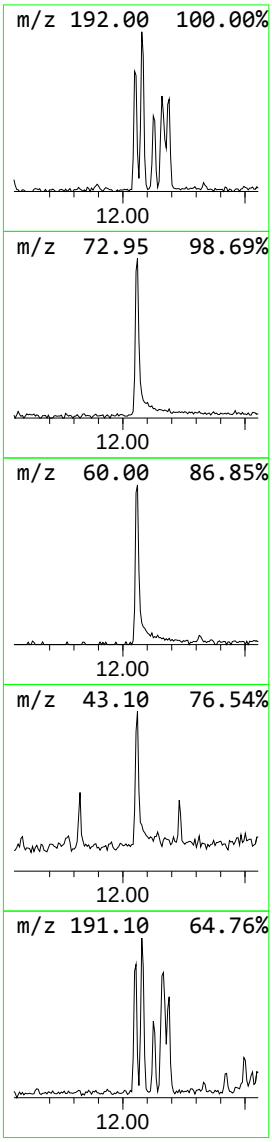
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.054 | 3.15 ng | 193335 | Phenanthrene-d10 | 11.548 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 70 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 47 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

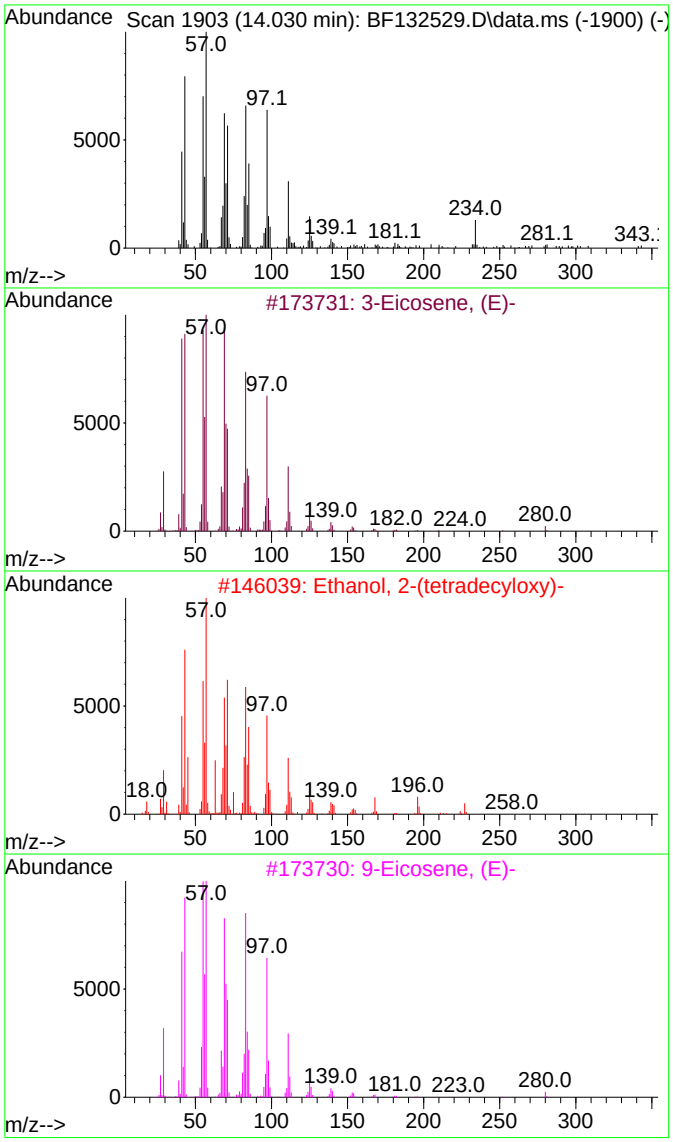
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

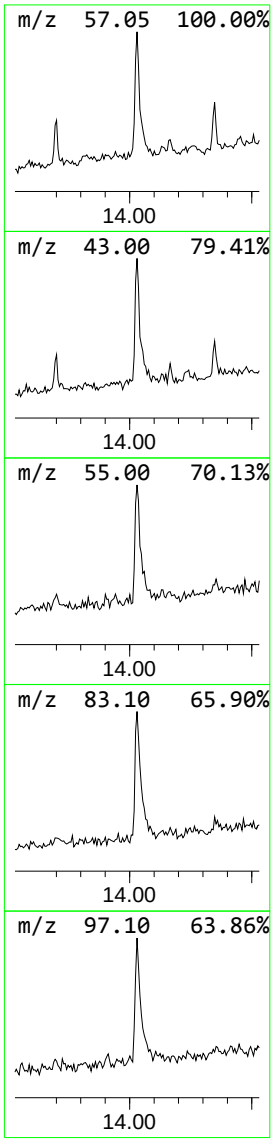
**********

Peak Number 4 3-Eicosene, (E)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.030 | 5.58 ng | 291371 | Chrysene-d12 | 14.207 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 95 |
| 2 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 3 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 87 |
| 4 | Pentadecafluorooctanoic acid, pe... | 624 | C23H31F15O2 | 1000406-04-5 | 87 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

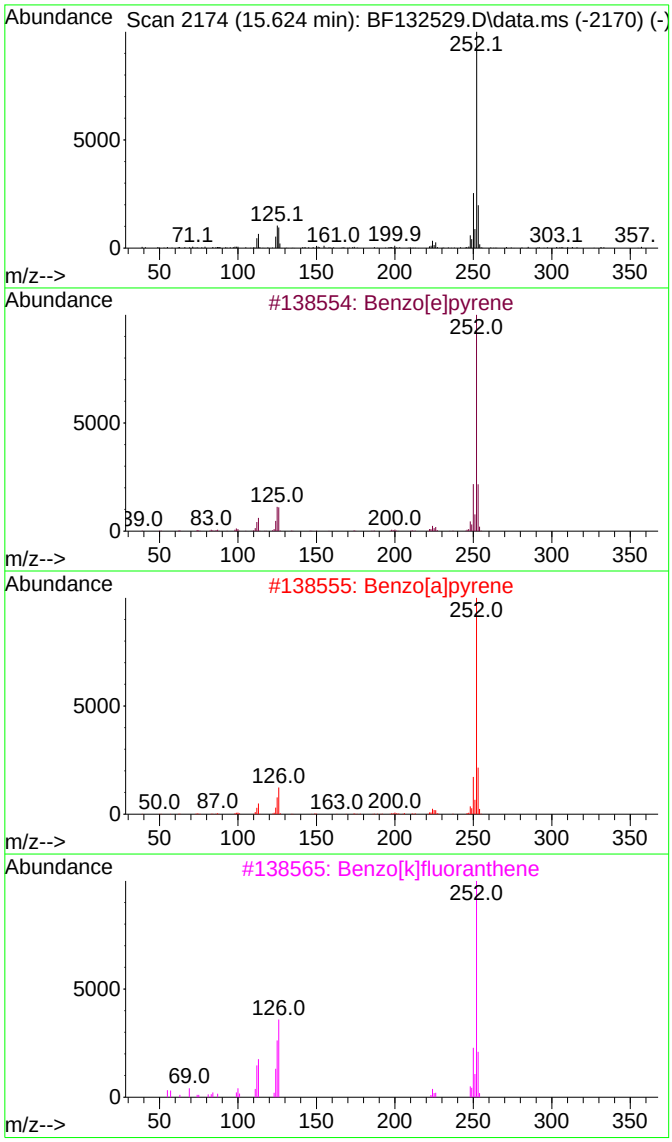
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

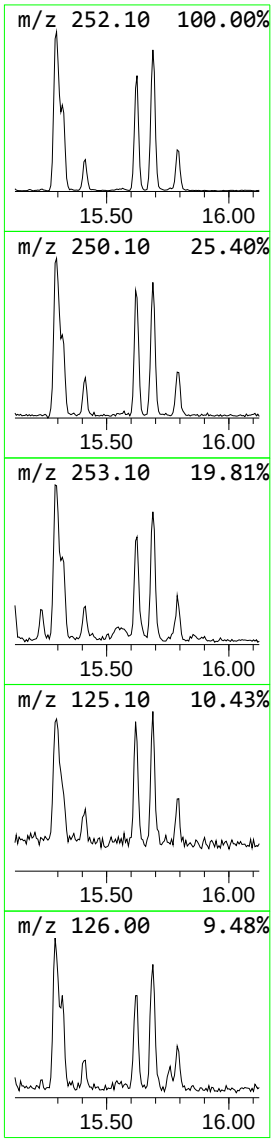
**********

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.624 | 4.30 ng | 193898 | Perylene-d12 | 15.760 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 94 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 93 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QAQC-COMP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.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 |
| 2-Pentanone, 4-... | 5.243 | 32.0 | ng | 1477970 | 1 | 7.007 | 922640 | 20.0 |
| Pentadecane, 2,... | 10.960 | 2.0 | ng | 124093 | 4 | 11.548 | 1227570 | 20.0 |
| n-Hexadecanoic ... | 12.054 | 3.1 | ng | 193335 | 4 | 11.548 | 1227570 | 20.0 |
| 3-Eicosene, (E)- | 14.030 | 5.6 | ng | 291371 | 5 | 14.207 | 1044410 | 20.0 |
| Benzo[e]pyrene | 15.624 | 4.3 | ng | 193898 | 6 | 15.760 | 902740 | 20.0 |