LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**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_F\Methods\8270-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134236.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.069 | 501 | 507 | 513 | rBV | 14672 | 18709 | 1.69% | 0.219% |
| 2 | 5.475 | 573 | 576 | 585 | rBV | 354750 | 354890 | 32.10% | 4.148% |
| 3 | 6.481 | 744 | 747 | 759 | rBV | 344746 | 352717 | 31.90% | 4.122% |
| 4 | 6.845 | 805 | 809 | 815 | rBV | 677888 | 539911 | 48.83% | 6.310% |
| 5 | 7.404 | 901 | 904 | 912 | rBV | 221312 | 200363 | 18.12% | 2.342% |
| 6 | 8.128 | 1023 | 1027 | 1030 | rBV | 666468 | 607674 | 54.96% | 7.102% |
| 7 | 9.198 | 1206 | 1209 | 1218 | rBV | 408415 | 333954 | 30.21% | 3.903% |
| 8 | 9.886 | 1322 | 1326 | 1329 | rBV | 571680 | 526080 | 47.58% | 6.149% |
| 9 | 10.598 | 1444 | 1447 | 1451 | rBV2 | 31736 | 26563 | 2.40% | 0.310% |
| 10 | 10.675 | 1457 | 1460 | 1469 | rBV | 204454 | 189092 | 17.10% | 2.210% |
| 11 | 11.186 | 1544 | 1547 | 1550 | rBV | 31228 | 28671 | 2.59% | 0.335% |
| 12 | 11.275 | 1560 | 1562 | 1568 | rVB | 12771 | 12917 | 1.17% | 0.151% |
| 13 | 11.380 | 1576 | 1580 | 1582 | rBV | 619839 | 522735 | 47.28% | 6.110% |
| 14 | 11.404 | 1582 | 1584 | 1588 | rVB | 292657 | 221307 | 20.02% | 2.587% |
| 15 | 11.480 | 1595 | 1597 | 1605 | rVB7 | 8061 | 12350 | 1.12% | 0.144% |
| 16 | 11.616 | 1616 | 1620 | 1625 | rBV | 25773 | 33646 | 3.04% | 0.393% |
| 17 | 11.886 | 1662 | 1666 | 1667 | rBV | 29998 | 28579 | 2.58% | 0.334% |
| 18 | 11.910 | 1667 | 1670 | 1674 | rVV2 | 128008 | 151870 | 13.74% | 1.775% |
| 19 | 11.945 | 1674 | 1676 | 1681 | rVV | 52739 | 52655 | 4.76% | 0.615% |
| 20 | 11.992 | 1681 | 1684 | 1687 | rVV2 | 28743 | 35165 | 3.18% | 0.411% |
| 21 | 12.022 | 1687 | 1689 | 1694 | rVB | 19463 | 18396 | 1.66% | 0.215% |
| 22 | 12.180 | 1714 | 1716 | 1719 | rBV | 28793 | 26045 | 2.36% | 0.304% |
| 23 | 12.210 | 1719 | 1721 | 1726 | rVB | 89480 | 78789 | 7.13% | 0.921% |
| 24 | 12.439 | 1757 | 1760 | 1761 | rBV2 | 19670 | 19474 | 1.76% | 0.228% |
| 25 | 12.457 | 1761 | 1763 | 1768 | rVB4 | 20667 | 29918 | 2.71% | 0.350% |
| 26 | 12.527 | 1772 | 1775 | 1780 | rVB | 48668 | 51528 | 4.66% | 0.602% |
| 27 | 12.604 | 1784 | 1788 | 1791 | rBV | 475120 | 414020 | 37.45% | 4.839% |
| 28 | 12.698 | 1801 | 1804 | 1808 | rBV2 | 48347 | 52995 | 4.79% | 0.619% |
| 29 | 12.833 | 1821 | 1827 | 1833 | rBV | 360610 | 380587 | 34.42% | 4.448% |
| 30 | 12.880 | 1833 | 1835 | 1837 | rVV3 | 19983 | 13916 | 1.26% | 0.163% |
| 31 | 12.974 | 1845 | 1851 | 1859 | rBV | 337936 | 352000 | 31.84% | 4.114% |
| 32 | 13.051 | 1861 | 1864 | 1868 | rVV3 | 21868 | 35653 | 3.22% | 0.417% |
| 33 | 13.139 | 1877 | 1879 | 1880 | rBV2 | 19631 | 16189 | 1.46% | 0.189% |
| 34 | 13.269 | 1896 | 1901 | 1904 | rBV3 | 33193 | 57043 | 5.16% | 0.667% |
| 35 | 13.363 | 1914 | 1917 | 1920 | rBV3 | 29097 | 27151 | 2.46% | 0.317% |
| 36 | 13.392 | 1920 | 1922 | 1925 | rBV3 | 19915 | 21407 | 1.94% | 0.250% |

LSC Area Percent Report

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Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**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_F\Methods\8270-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.457 | 1929 | 1933 | 1936 | rBV | 294521 | 255308 | 23.09% | 2.984% |
| 38 | 13.680 | 1968 | 1971 | 1976 | rBV | 69476 | 77410 | 7.00% | 0.905% |
| 39 | 13.786 | 1987 | 1989 | 1992 | rBV | 40213 | 36418 | 3.29% | 0.426% |
| 40 | 13.845 | 1996 | 1999 | 2000 | rBV | 31696 | 35364 | 3.20% | 0.413% |
| 41 | 13.886 | 2004 | 2006 | 2009 | rVV | 50675 | 48776 | 4.41% | 0.570% |
| 42 | 14.016 | 2025 | 2028 | 2031 | rBV | 1051048 | 1105611 | 100.00% | 12.922% |
| 43 | 14.039 | 2031 | 2032 | 2035 | rVV | 478296 | 428841 | 38.79% | 5.012% |
| 44 | 14.069 | 2035 | 2037 | 2042 | rVB | 176078 | 154509 | 13.97% | 1.806% |
| 45 | 14.174 | 2052 | 2055 | 2056 | rBV | 54208 | 52372 | 4.74% | 0.612% |
| 46 | 15.110 | 2210 | 2214 | 2217 | rBV | 118582 | 182355 | 16.49% | 2.131% |
| 47 | 15.551 | 2285 | 2289 | 2298 | rVB | 249947 | 334130 | 30.22% | 3.905% |

Sum of corrected areas: 8556053

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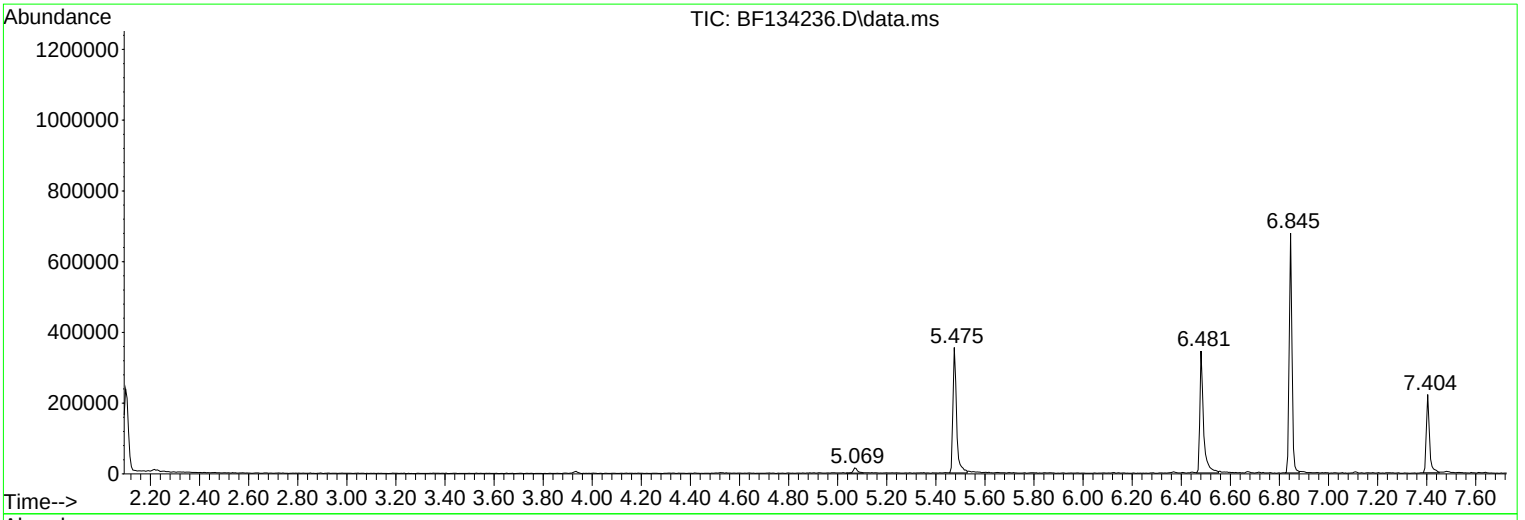
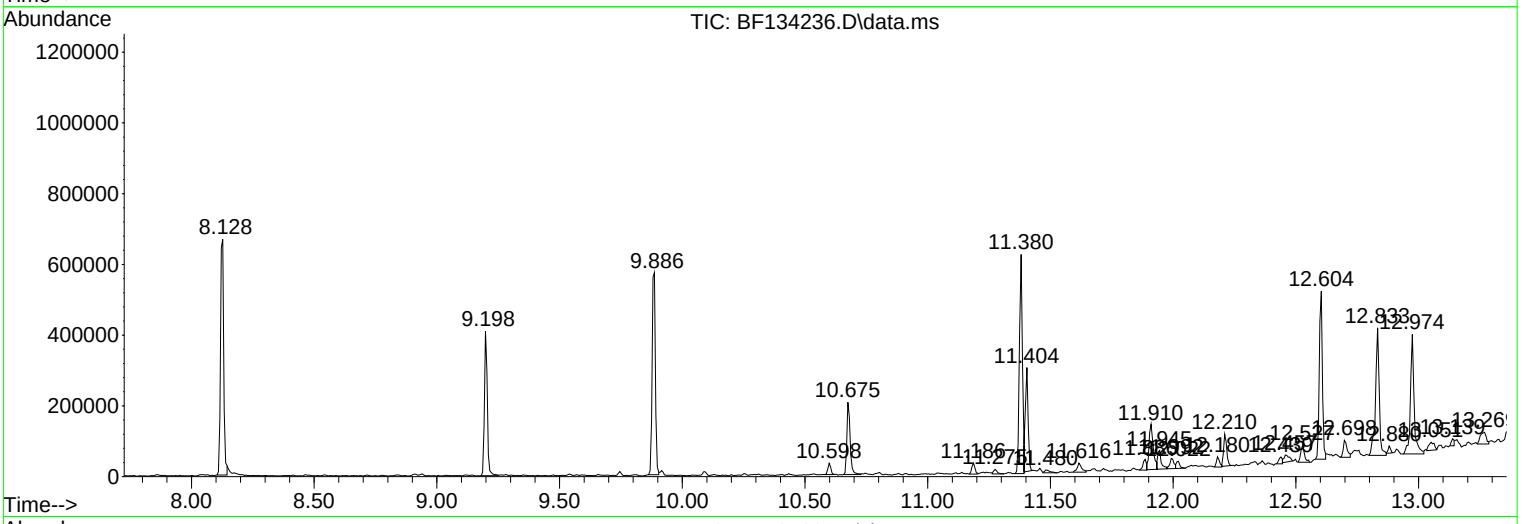
Misc :
ALS Vial : 21 Sample Multiplier: 1

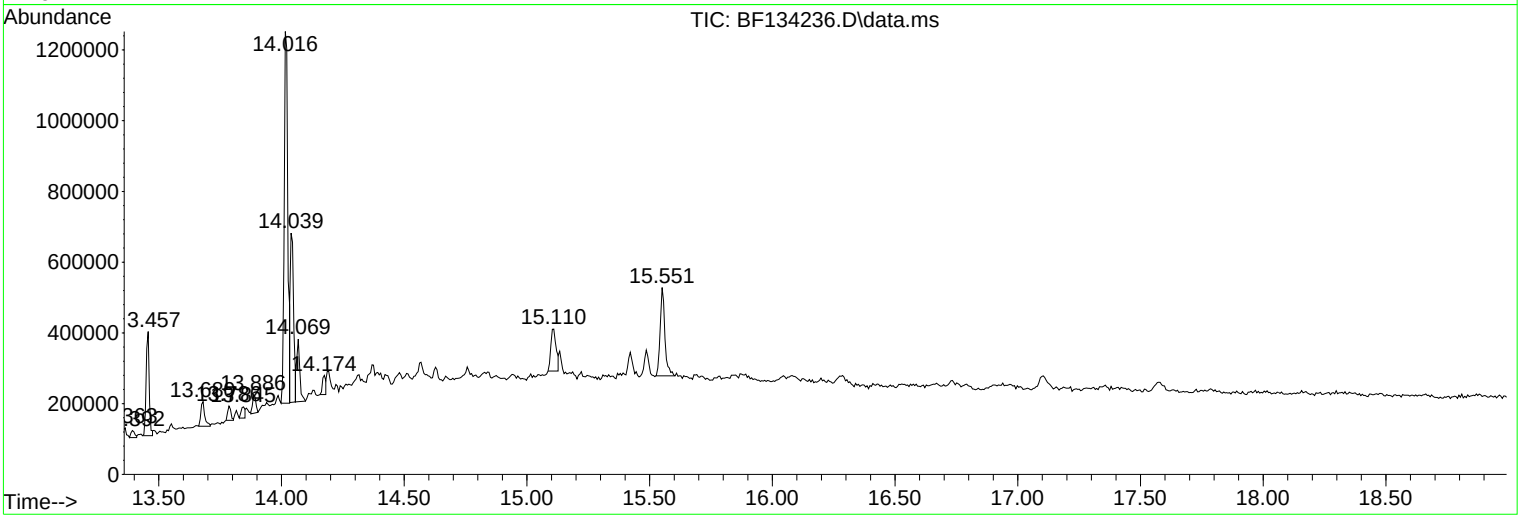
**Instrument :**
BNA_F
**ClientSampleId :**
SB-3(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

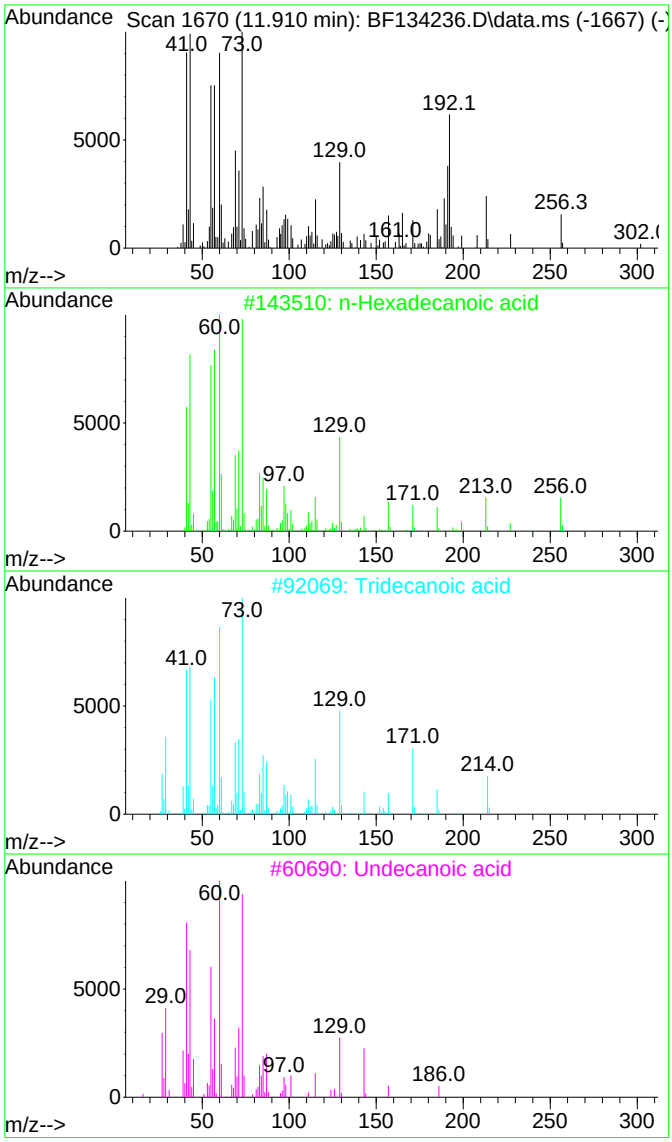
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

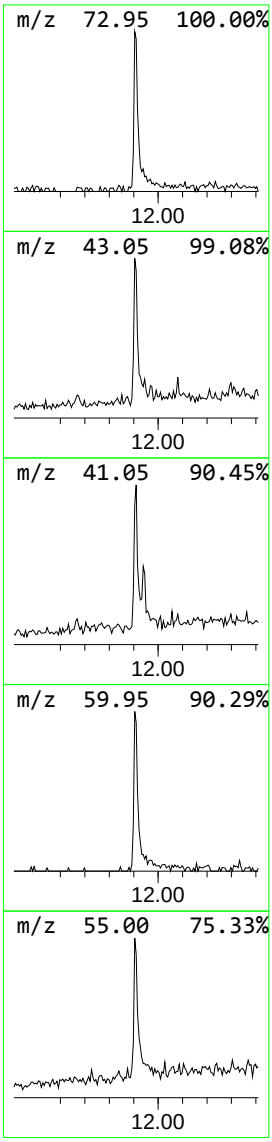
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.910 | 5.81 ng | 151870 | Phenanthrene-d10 | 11.380 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 92 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 3 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 60 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 53 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

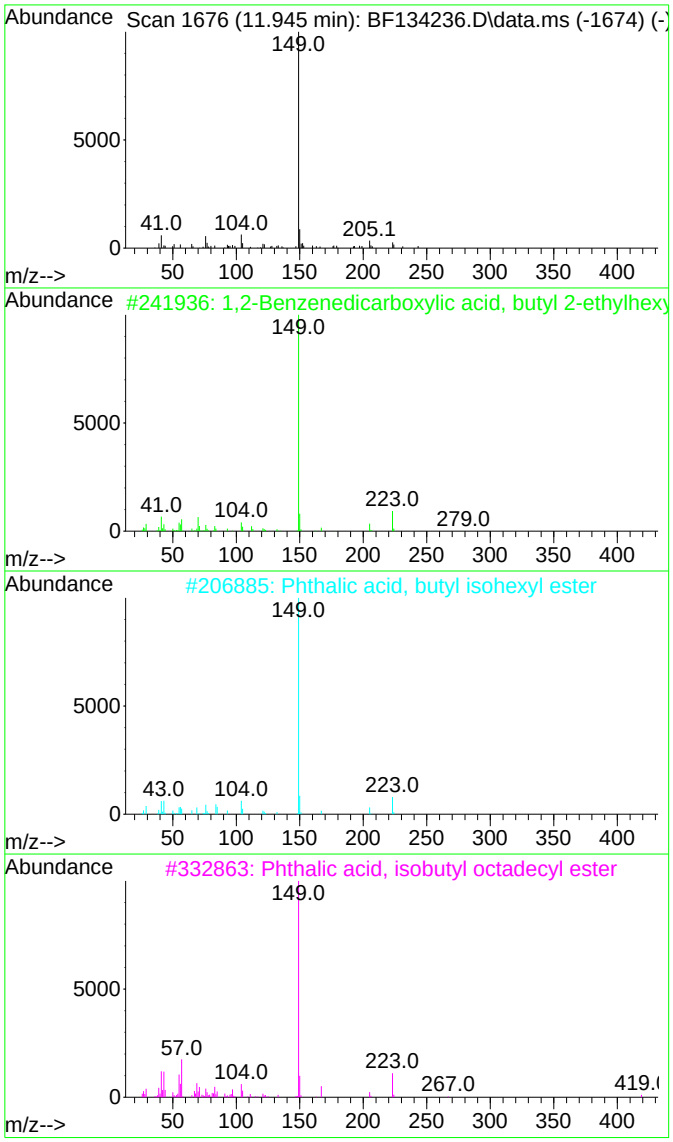
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

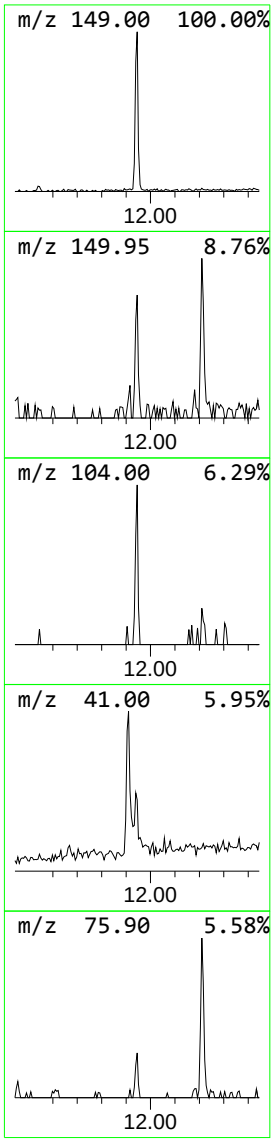
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1,2-Benzenedicarboxylic aci... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.945 | 2.01 ng | 52655 | Phenanthrene-d10 | 11.380 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Benzenedicarboxylic acid, bu... | 334 | C20H30O4 | 000085-69-8 | 78 |
| 2 | Phthalic acid, butyl isohexyl ester | 306 | C18H26O4 | 1000309-03-6 | 78 |
| 3 | Phthalic acid, isobutyl octadecy... | 474 | C30H50O4 | 1000309-06-1 | 78 |
| 4 | 1,4-Dibutyl benzene-1,4-dicarbox... | 278 | C16H22O4 | 001962-75-0 | 72 |
| 5 | Phthalic acid, isobutyl cyclohex... | 318 | C19H26O4 | 1000308-94-3 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

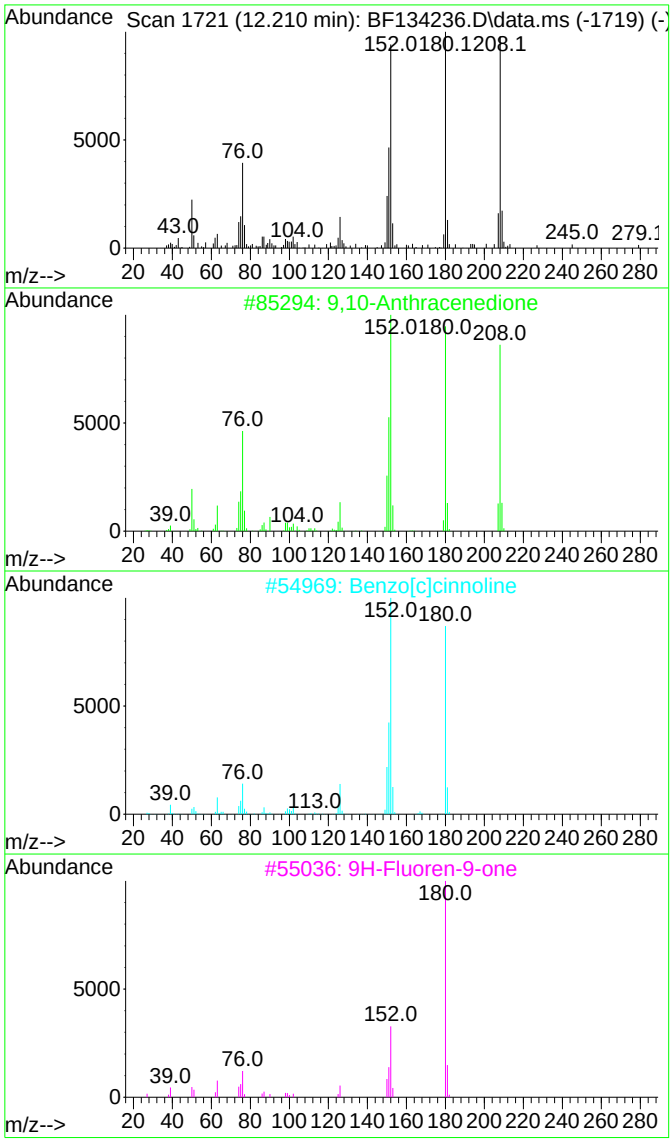
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

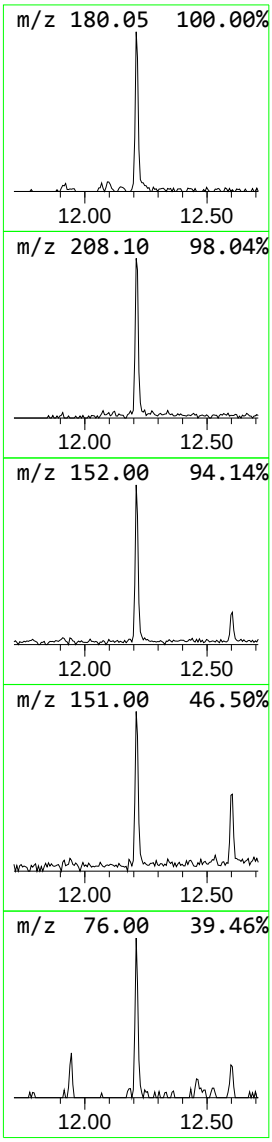
**********

Peak Number 3 9,10-Anthracenedione Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.210 | 3.01 ng | 78789 | Phenanthrene-d10 | 11.380 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 93 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 91 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 60 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

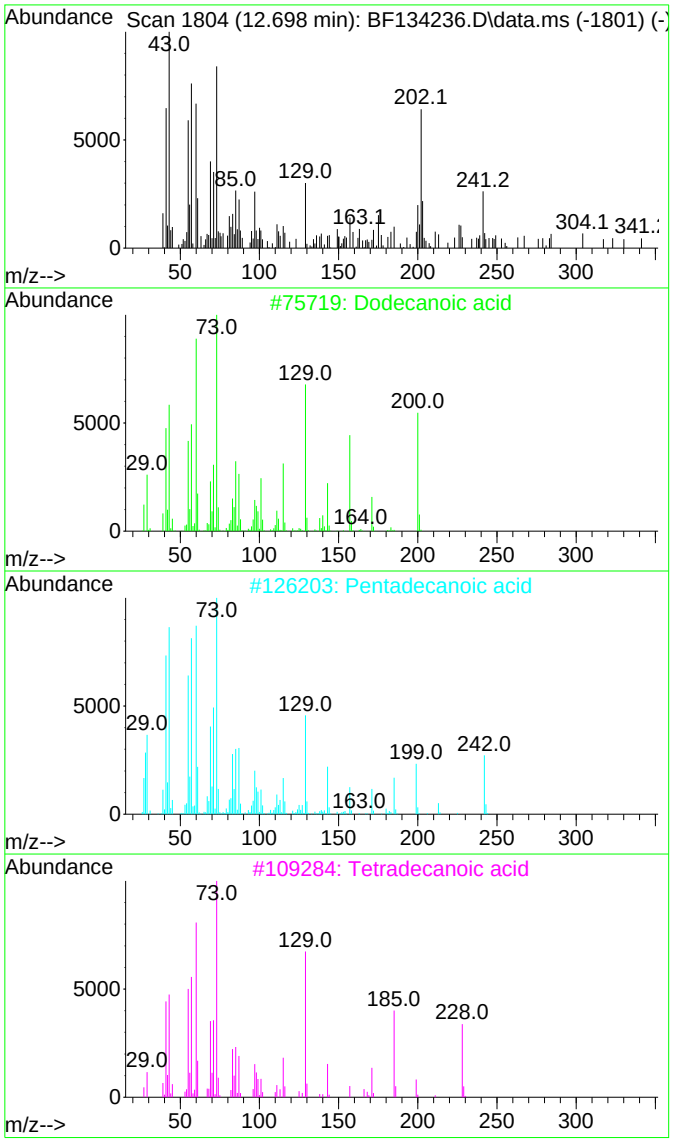
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

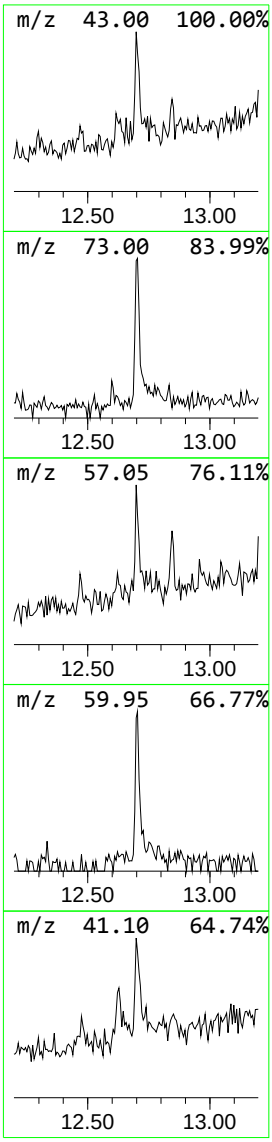
**********

Peak Number 4 unknown12.698 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.698 | 2.03 ng | 52995 | Phenanthrene-d10 | 11.380 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 43 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 43 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 42 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 38 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
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Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

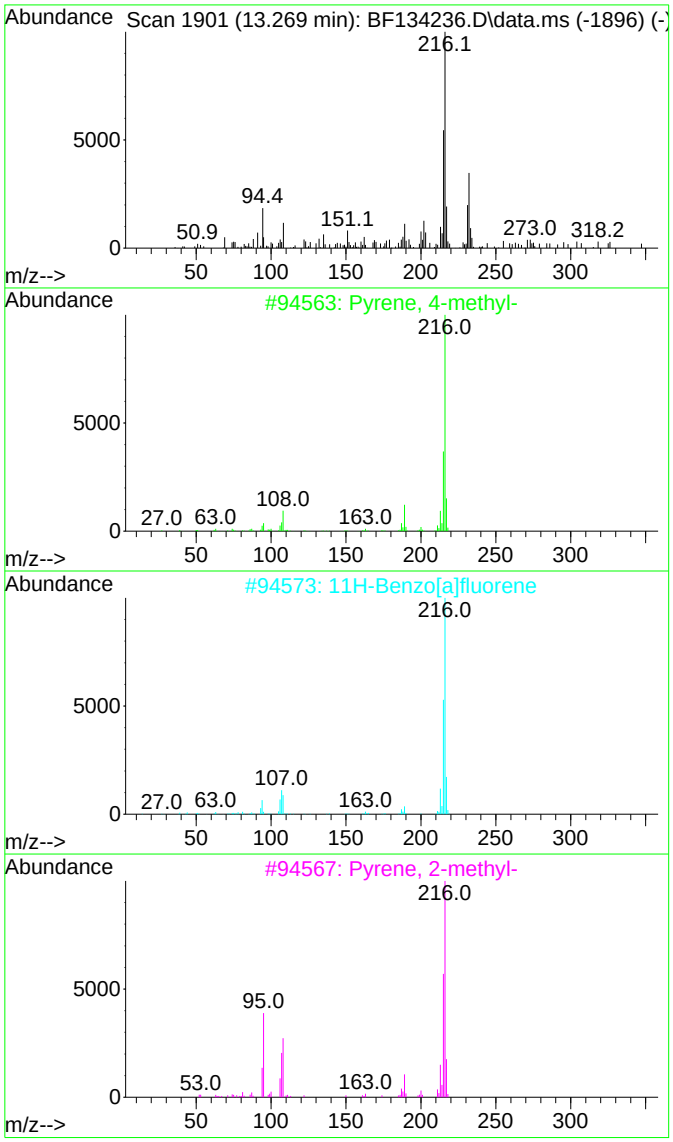
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

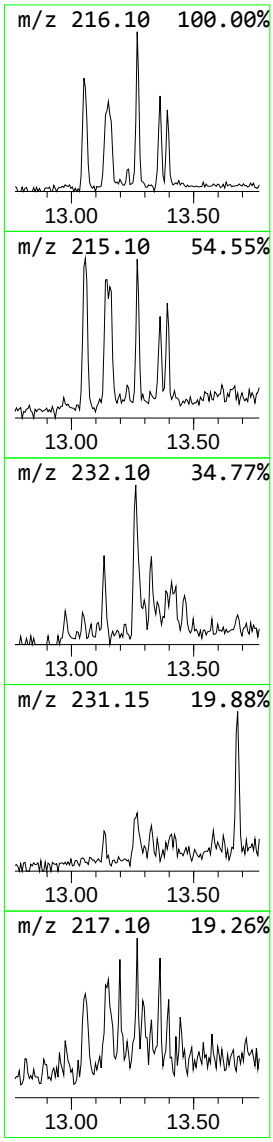
**********

Peak Number 5 Pyrene, 4-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.269 | 2.66 ng | 57043 | Chrysene-d12 | 14.039 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 78 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 64 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 64 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 64 |
| 5 | Allopregnane-3.alpha.,20.alpha.-... | 320 | C21H36O2 | 000566-58-5 | 58 |



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Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

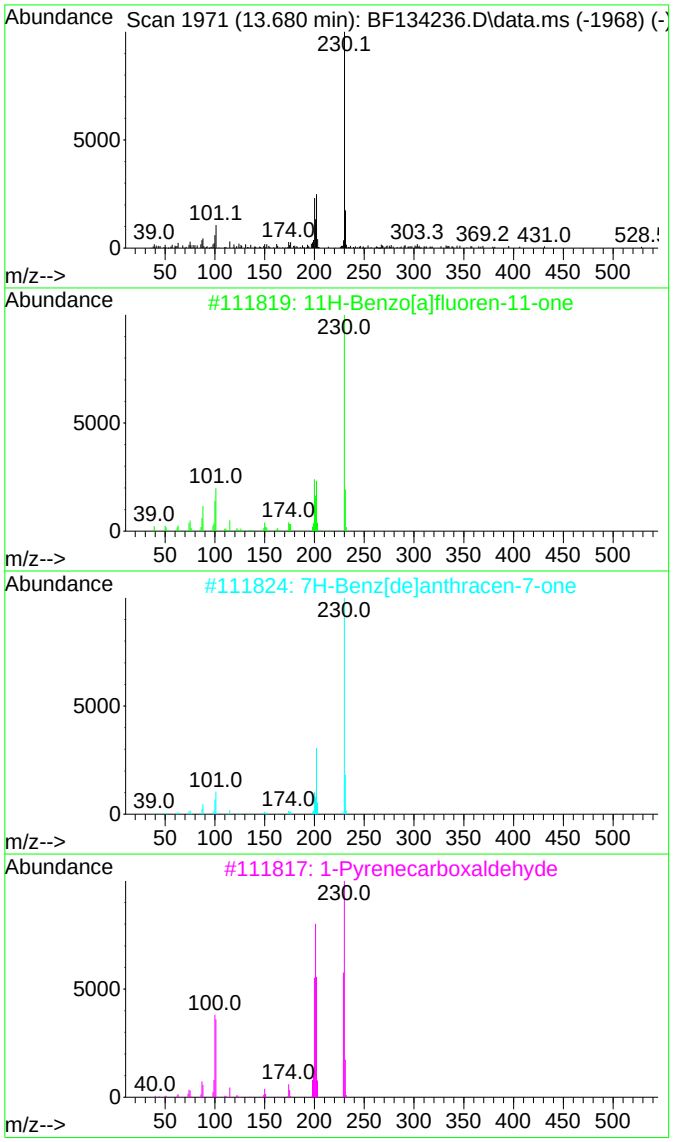
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

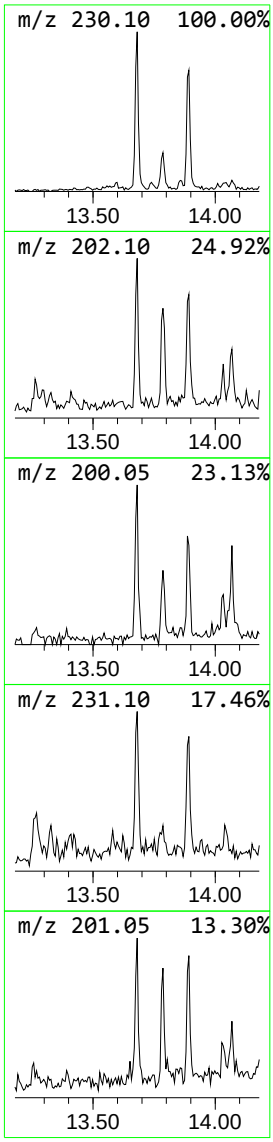
**********

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.680 | 3.61 ng | 77410 | Chrysene-d12 | 14.039 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 93 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 80 |
| 4 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 72 |
| 5 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

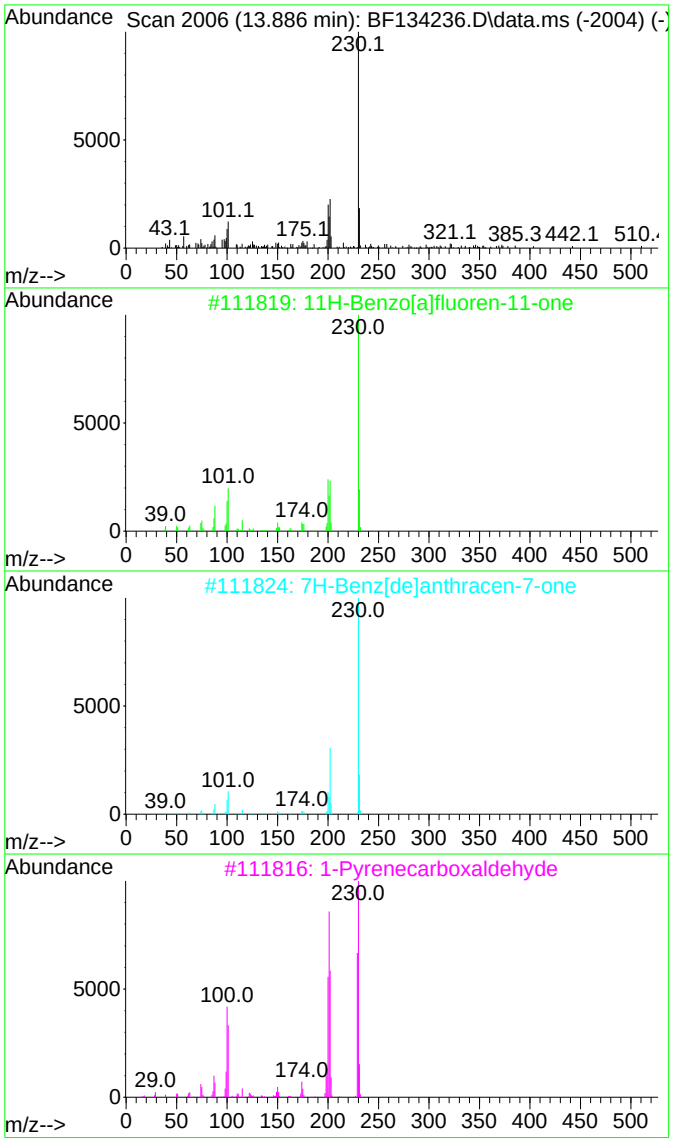
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

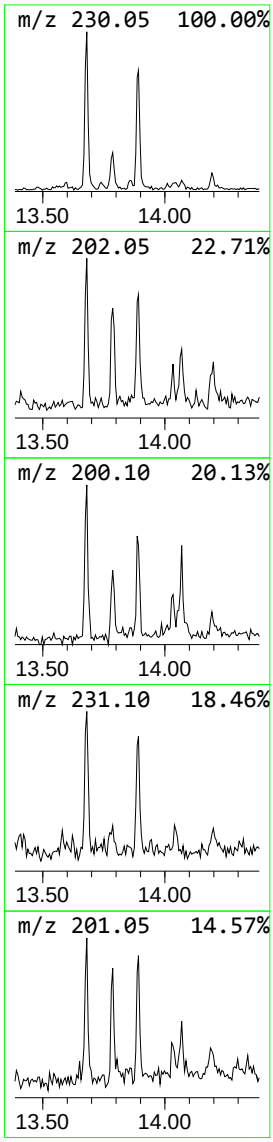
**********

Peak Number 7 7H-Benz[de]anthracen-7-one Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.886 | 2.27 ng | 48776 | Chrysene-d12 | 14.039 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 93 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 89 |
| 3 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 83 |
| 4 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 74 |
| 5 | 4-Pyrenecarbaldehyde | 230 | C17H10O | 022245-51-8 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

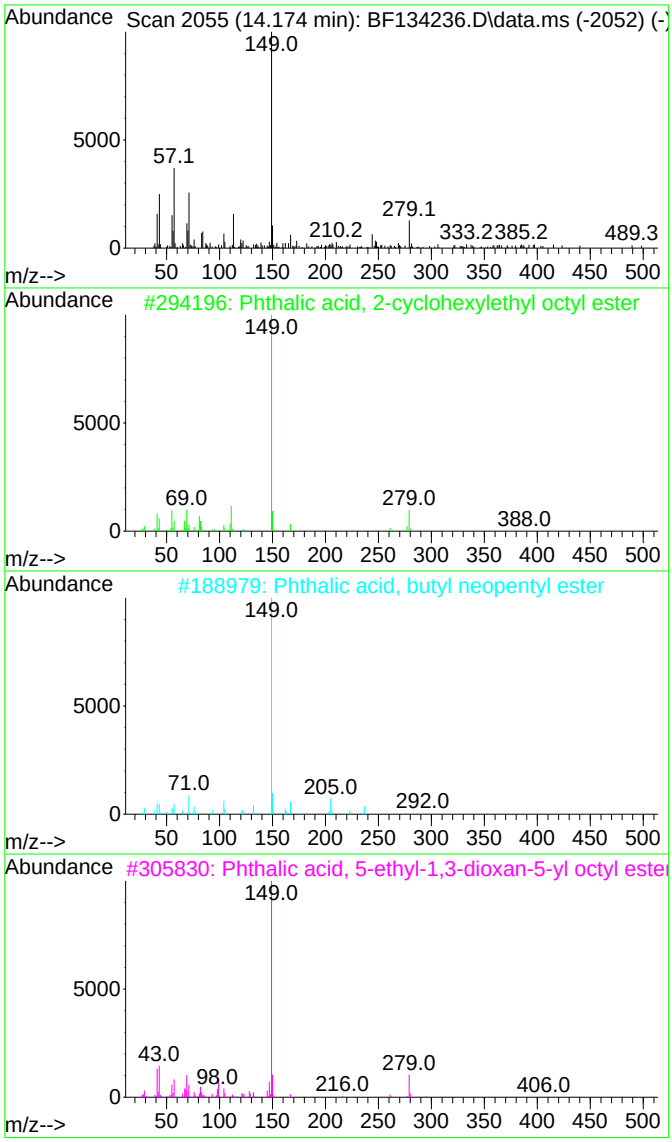
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

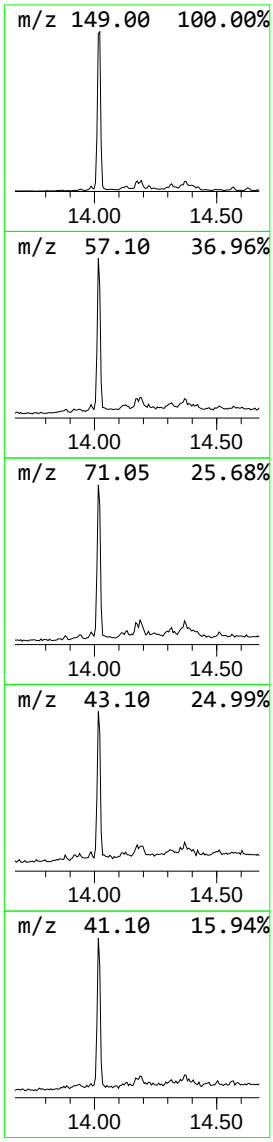
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Phthalic acid, 2-cyclohexyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.174 | 2.44 ng | 52372 | Chrysene-d12 | 14.039 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 2-cyclohexylethyl... | 388 | C24H36O4 | 1000309-87-8 | 72 |
| 2 | Phthalic acid, butyl neopentyl e... | 292 | C17H24O4 | 1000309-03-7 | 70 |
| 3 | Phthalic acid, 5-ethyl-1,3-dioxa... | 406 | C23H34O6 | 1010415-48-4 | 64 |
| 4 | Phthalic acid, butyl 2,7-dimethy... | 356 | C22H28O4 | 1010315-49-0 | 62 |
| 5 | Phthalic acid, 2,7-dimethyloct-7... | 356 | C22H28O4 | 1000315-49-7 | 62 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134236.D
Acq On : 12 Jul 2023 03:54
Operator : CG\JU
Sample : 03375-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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 |
| n-Hexadecanoic ... | 11.910 | 5.8 | ng | 151870 | 4 | 11.380 | 522735 | 20.0 |
| 1,2-Benzenedica... | 11.945 | 2.0 | ng | 52655 | 4 | 11.380 | 522735 | 20.0 |
| 9,10-Anthracene... | 12.210 | 3.0 | ng | 78789 | 4 | 11.380 | 522735 | 20.0 |
| unknown12.698 | 12.698 | 2.0 | ng | 52995 | 4 | 11.380 | 522735 | 20.0 |
| Pyrene, 4-methyl- | 13.269 | 2.7 | ng | 57043 | 5 | 14.039 | 428841 | 20.0 |
| 11H-Benzo[a]flu... | 13.680 | 3.6 | ng | 77410 | 5 | 14.039 | 428841 | 20.0 |
| 7H-Benz[de]anth... | 13.886 | 2.3 | ng | 48776 | 5 | 14.039 | 428841 | 20.0 |
| Phthalic acid, ... | 14.174 | 2.4 | ng | 52372 | 5 | 14.039 | 428841 | 20.0 |