LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

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-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137724.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.222 | 16 | 23 | 30 | rVB3 | 77259 | 175523 | 3.05% | 0.379% |
| 2 | 2.440 | 54 | 60 | 69 | rVB | 394878 | 515479 | 8.95% | 1.114% |
| 3 | 3.698 | 272 | 274 | 287 | rBV | 91987 | 147407 | 2.56% | 0.318% |
| 4 | 5.681 | 607 | 611 | 615 | rVB | 4603984 | 4666553 | 81.00% | 10.081% |
| 5 | 6.669 | 773 | 779 | 782 | rBV | 4903424 | 4807127 | 83.44% | 10.385% |
| 6 | 7.063 | 842 | 846 | 849 | rBV | 1721259 | 1487842 | 25.83% | 3.214% |
| 7 | 7.622 | 936 | 941 | 944 | rBV | 3292994 | 3036246 | 52.70% | 6.559% |
| 8 | 7.857 | 978 | 981 | 985 | rVB | 106186 | 86768 | 1.51% | 0.187% |
| 9 | 8.228 | 1041 | 1044 | 1049 | rBV | 226670 | 177182 | 3.08% | 0.383% |
| 10 | 8.345 | 1060 | 1064 | 1067 | rBV | 2487446 | 2006275 | 34.83% | 4.334% |
| 11 | 8.645 | 1111 | 1115 | 1118 | rVB | 122525 | 110903 | 1.93% | 0.240% |
| 12 | 9.416 | 1242 | 1246 | 1250 | rBV | 6258863 | 5760865 | 100.00% | 12.445% |
| 13 | 10.104 | 1359 | 1363 | 1366 | rBV | 2770201 | 2211598 | 38.39% | 4.778% |
| 14 | 10.139 | 1366 | 1369 | 1371 | rVB | 132552 | 114476 | 1.99% | 0.247% |
| 15 | 10.186 | 1371 | 1377 | 1384 | rBV4 | 120691 | 179341 | 3.11% | 0.387% |
| 16 | 10.310 | 1394 | 1398 | 1401 | rVB | 123459 | 112649 | 1.96% | 0.243% |
| 17 | 10.657 | 1453 | 1457 | 1462 | rBV | 200455 | 197618 | 3.43% | 0.427% |
| 18 | 10.898 | 1493 | 1498 | 1501 | rBV | 3845308 | 3498251 | 60.72% | 7.557% |
| 19 | 11.204 | 1542 | 1550 | 1552 | rBV3 | 50581 | 64790 | 1.12% | 0.140% |
| 20 | 11.457 | 1587 | 1593 | 1597 | rBV4 | 34627 | 80114 | 1.39% | 0.173% |
| 21 | 11.498 | 1597 | 1600 | 1604 | rVB | 99851 | 83823 | 1.46% | 0.181% |
| 22 | 11.598 | 1614 | 1617 | 1620 | rBV | 2379952 | 2348272 | 40.76% | 5.073% |
| 23 | 11.621 | 1620 | 1621 | 1625 | rVV | 1500654 | 1147671 | 19.92% | 2.479% |
| 24 | 11.674 | 1625 | 1630 | 1633 | rVV | 606703 | 521124 | 9.05% | 1.126% |
| 25 | 11.704 | 1633 | 1635 | 1638 | rVB | 91534 | 81281 | 1.41% | 0.176% |
| 26 | 11.827 | 1648 | 1656 | 1661 | rBV | 317923 | 344777 | 5.98% | 0.745% |
| 27 | 12.104 | 1699 | 1703 | 1705 | rBV | 363881 | 326344 | 5.66% | 0.705% |
| 28 | 12.127 | 1705 | 1707 | 1711 | rVV2 | 217599 | 199826 | 3.47% | 0.432% |
| 29 | 12.174 | 1711 | 1715 | 1718 | rVB2 | 80733 | 85605 | 1.49% | 0.185% |
| 30 | 12.216 | 1718 | 1722 | 1724 | rBV2 | 265038 | 276957 | 4.81% | 0.598% |
| 31 | 12.239 | 1724 | 1726 | 1728 | rVB | 99681 | 78164 | 1.36% | 0.169% |
| 32 | 12.363 | 1744 | 1747 | 1749 | rBV2 | 70100 | 64538 | 1.12% | 0.139% |
| 33 | 12.398 | 1749 | 1753 | 1755 | rVV2 | 89043 | 80808 | 1.40% | 0.175% |
| 34 | 12.651 | 1793 | 1796 | 1799 | rBV | 63619 | 63237 | 1.10% | 0.137% |
| 35 | 12.815 | 1820 | 1824 | 1828 | rBV | 1255940 | 1089182 | 18.91% | 2.353% |
| 36 | 12.892 | 1833 | 1837 | 1842 | rVB2 | 58845 | 86002 | 1.49% | 0.186% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

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-BF042324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.051 | 1861 | 1864 | 1869 | rVB | 952818 | 875355 | 15.19% | 1.891% |
| 38 | 13.186 | 1883 | 1887 | 1890 | rBV | 5723733 | 4850695 | 84.20% | 10.479% |
| 39 | 13.257 | 1895 | 1899 | 1904 | rBV2 | 49548 | 86324 | 1.50% | 0.186% |
| 40 | 13.374 | 1916 | 1919 | 1922 | rVB | 183833 | 159746 | 2.77% | 0.345% |
| 41 | 13.445 | 1927 | 1931 | 1933 | rBV | 162853 | 155382 | 2.70% | 0.336% |
| 42 | 13.480 | 1933 | 1937 | 1940 | rVV2 | 61351 | 69565 | 1.21% | 0.150% |
| 43 | 13.998 | 2020 | 2025 | 2027 | rBV | 60446 | 59953 | 1.04% | 0.130% |
| 44 | 14.068 | 2032 | 2037 | 2042 | rVV5 | 118228 | 157631 | 2.74% | 0.341% |
| 45 | 14.251 | 2063 | 2068 | 2070 | rBV2 | 1519195 | 1565194 | 27.17% | 3.381% |
| 46 | 14.274 | 2070 | 2072 | 2077 | rVB | 249277 | 223212 | 3.87% | 0.482% |
| 47 | 15.345 | 2250 | 2254 | 2258 | rBV | 105977 | 185379 | 3.22% | 0.400% |
| 48 | 15.680 | 2307 | 2311 | 2318 | rVB | 64232 | 92343 | 1.60% | 0.199% |
| 49 | 15.751 | 2318 | 2323 | 2329 | rBV | 89912 | 116179 | 2.02% | 0.251% |
| 50 | 15.821 | 2329 | 2335 | 2348 | rBV | 1003229 | 1377590 | 23.91% | 2.976% |

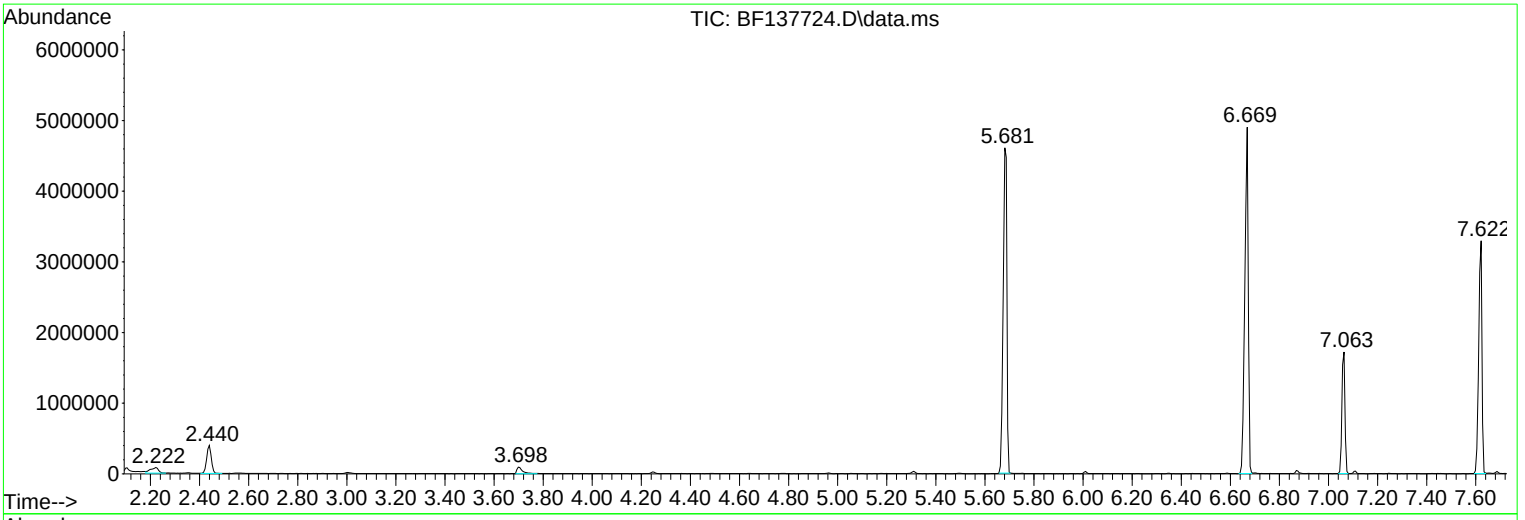
Sum of corrected areas: 46289166

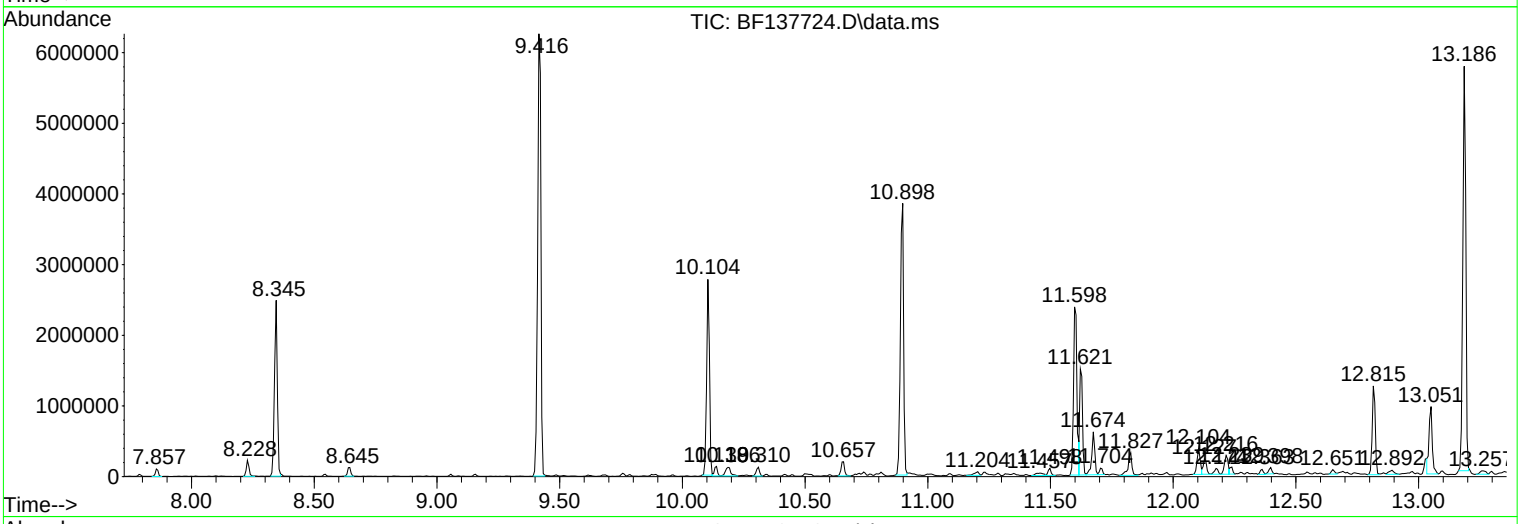
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

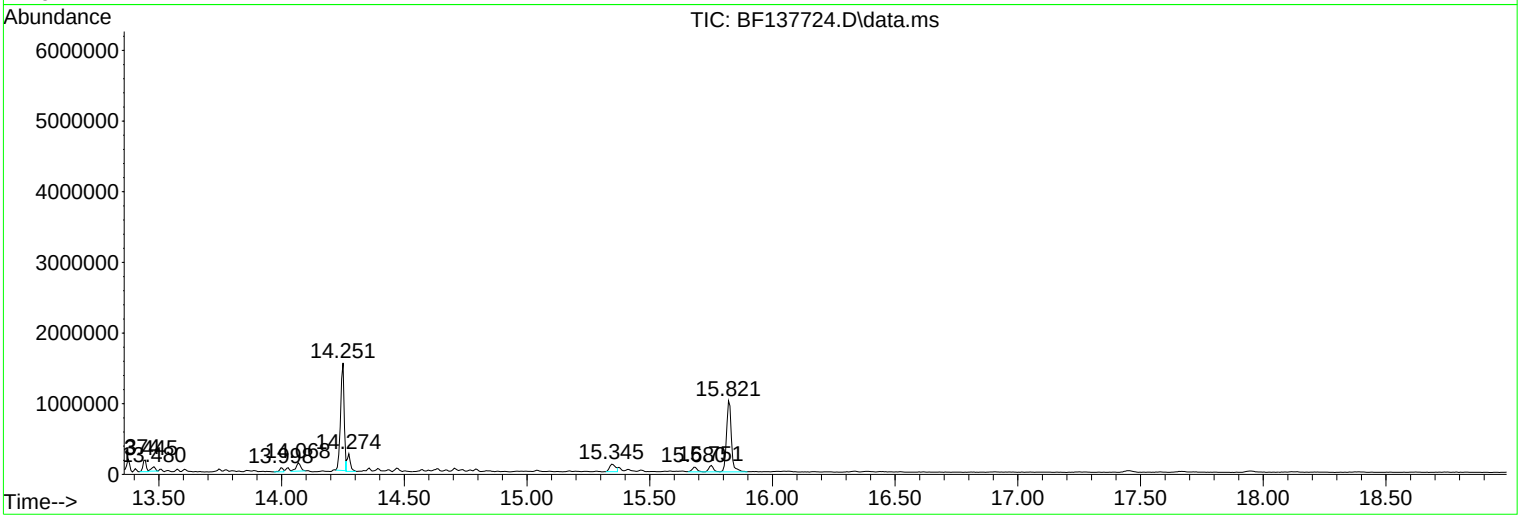
**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.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\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

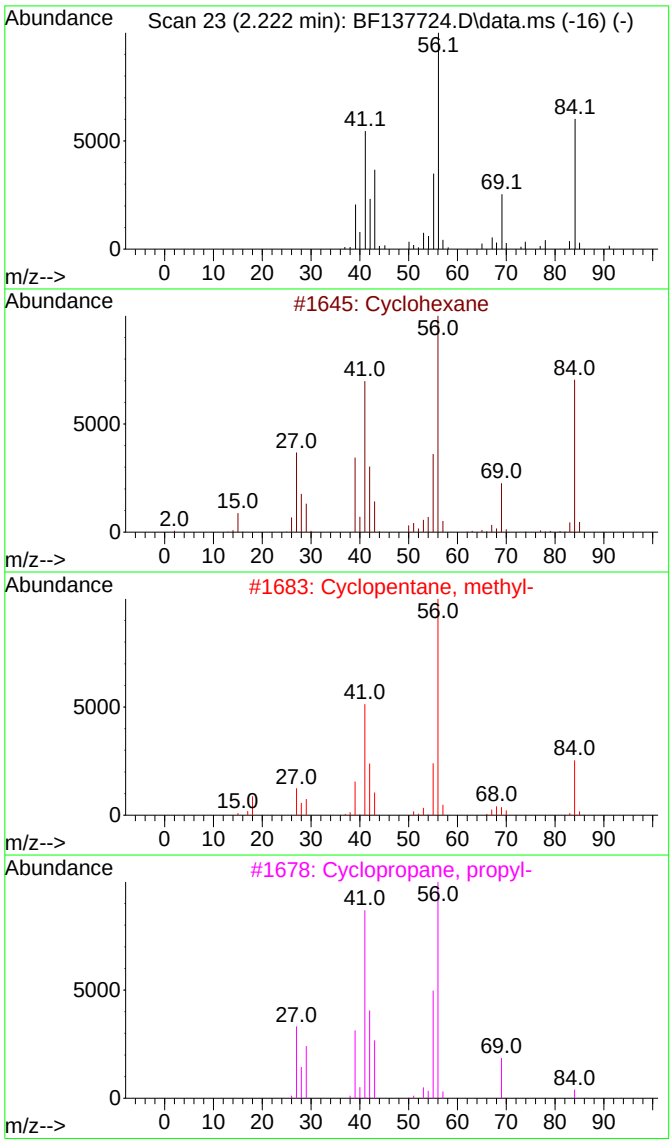
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

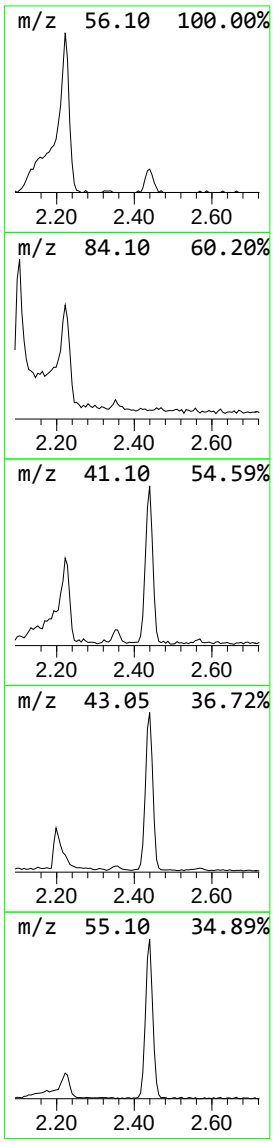
**********

Peak Number 1 Cyclohexane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.222 | 2.36 ng | 175523 | 1,4-Dichlorobenzene-d4 | 7.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 90 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 56 |
| 3 | Cyclopropane, propyl- | 84 | C6H12 | 002415-72-7 | 50 |
| 4 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 45 |
| 5 | Propane, 2-cyclopropyl- | 84 | C6H12 | 003638-35-5 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

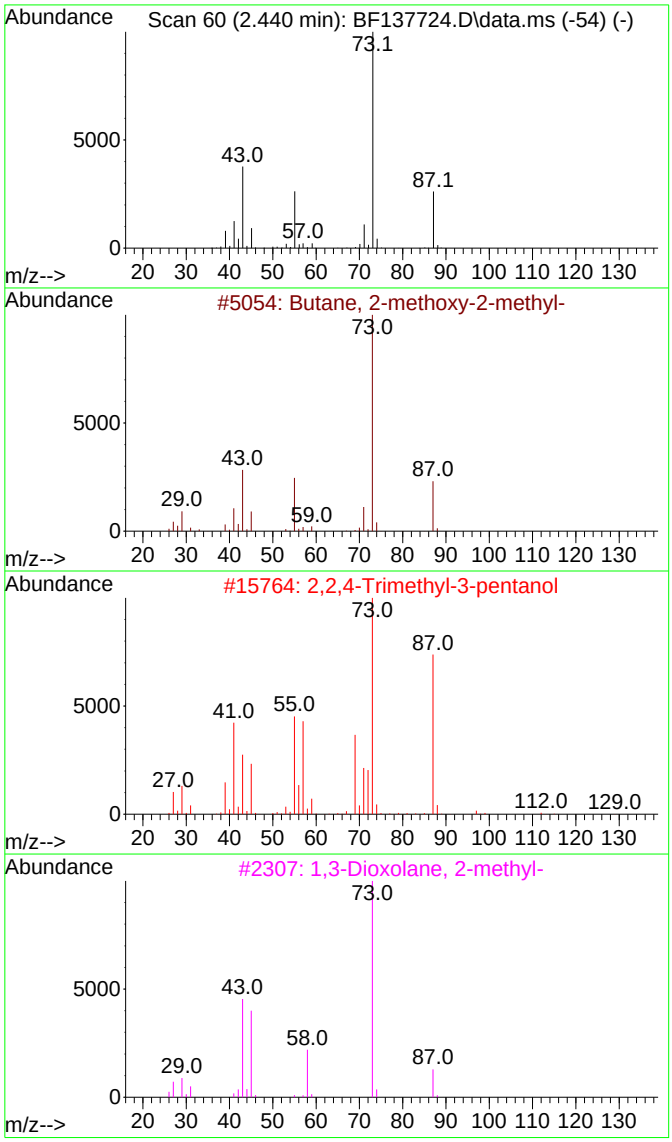
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

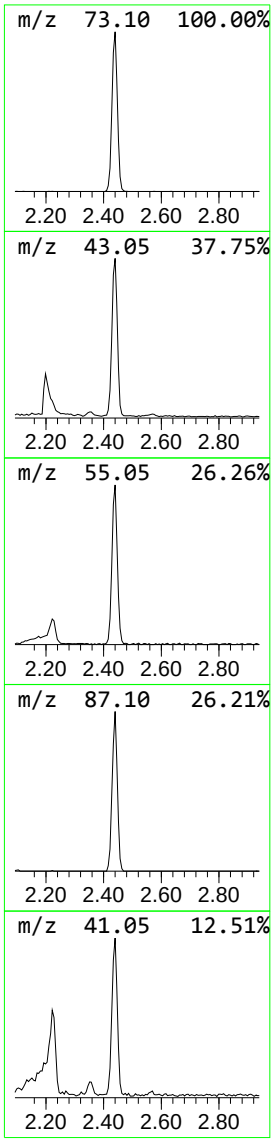
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.440 | 6.93 ng | 515479 | 1,4-Dichlorobenzene-d4 | 7.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 23 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 22 |
| 5 | 1,3-Dioxolane, 2-propyl- | 116 | C6H12O2 | 003390-13-4 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

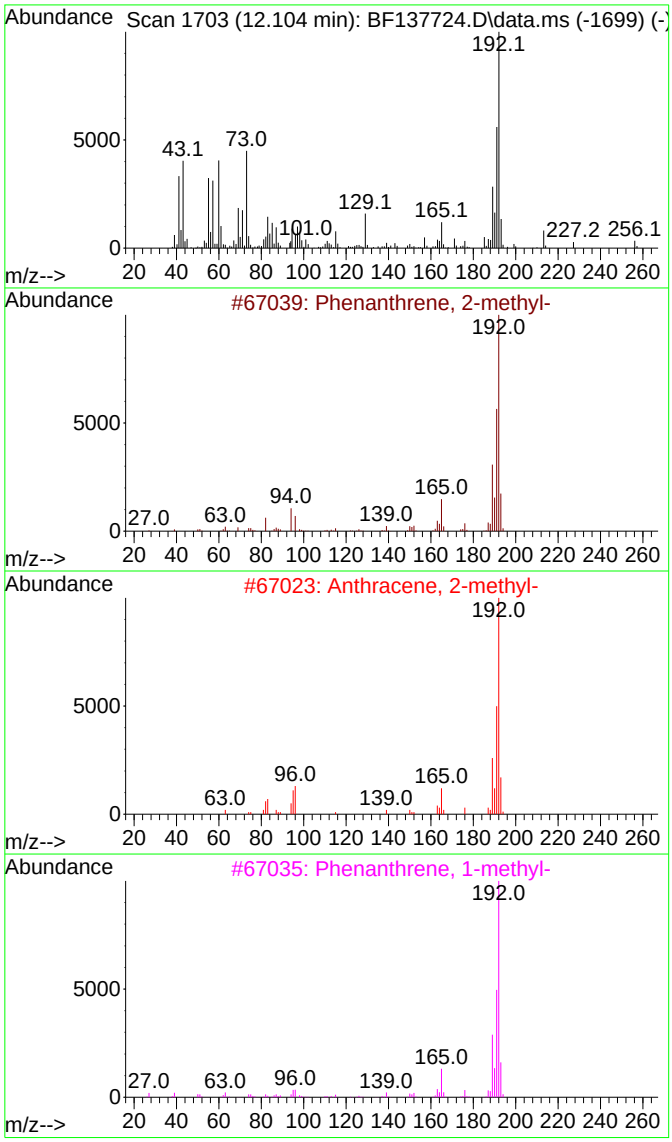
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

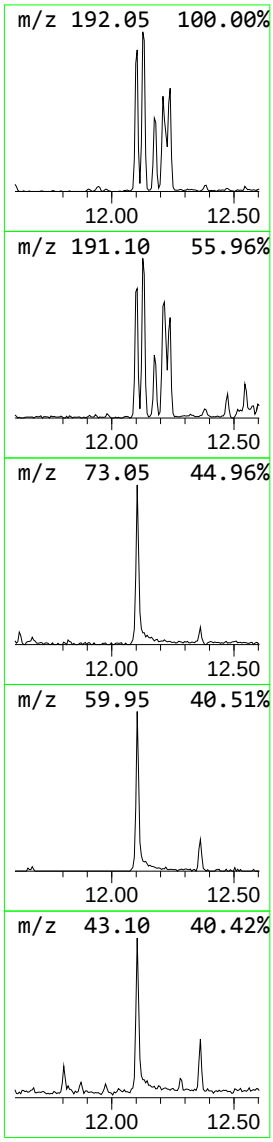
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.104 | 2.78 ng | 326344 | Phenanthrene-d10 | 11.598 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 89 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 83 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

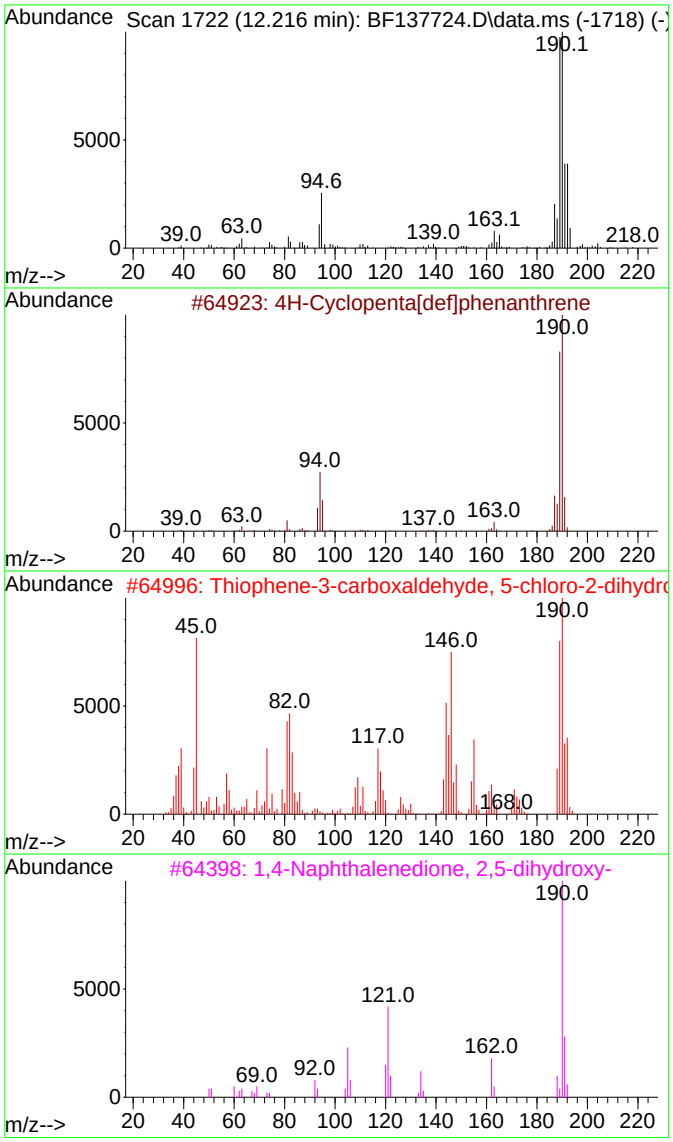
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

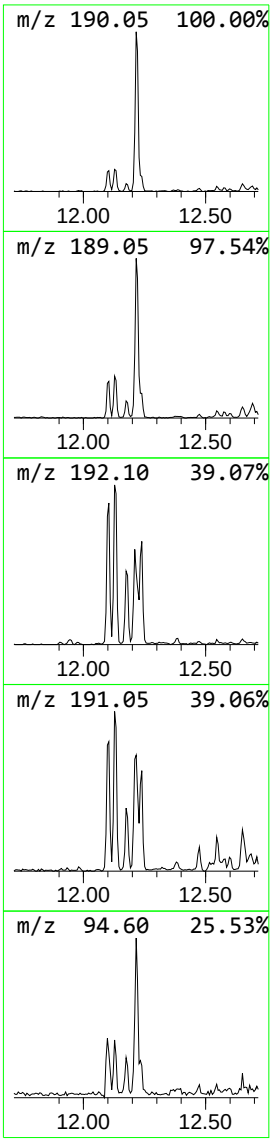
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.216 | 2.36 ng | 276957 | Phenanthrene-d10 | 11.598 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 50 |
| 3 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 25 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 25 |
| 5 | 4-Bromothiophene-2-aldehyde | 190 | C5H3BrOS | 018791-75-8 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

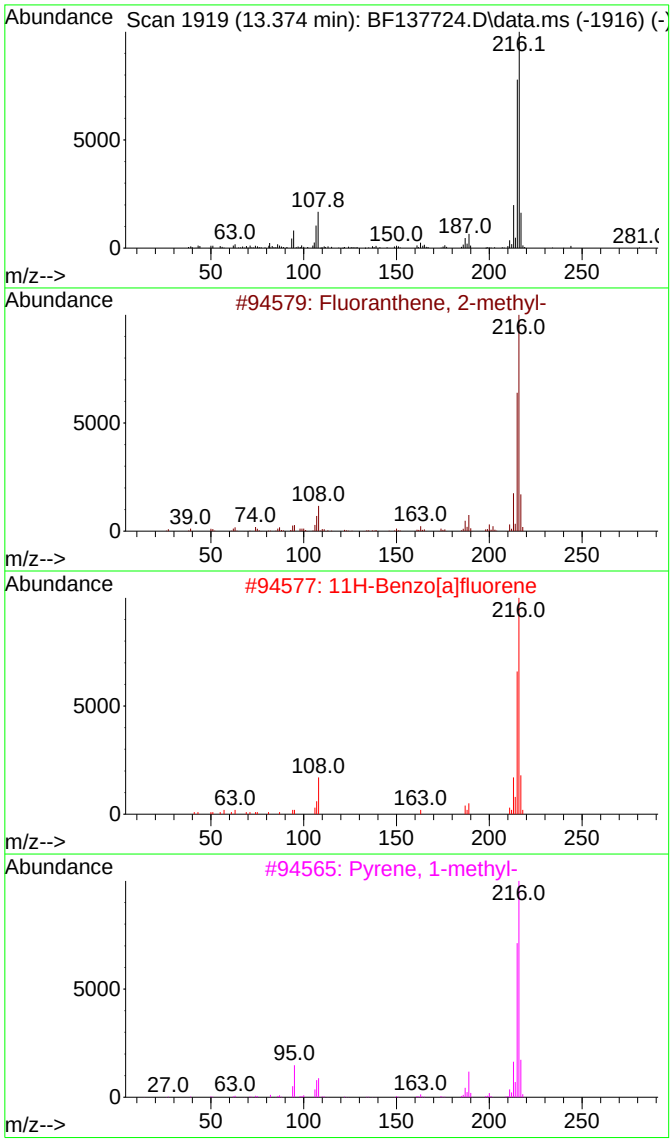
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

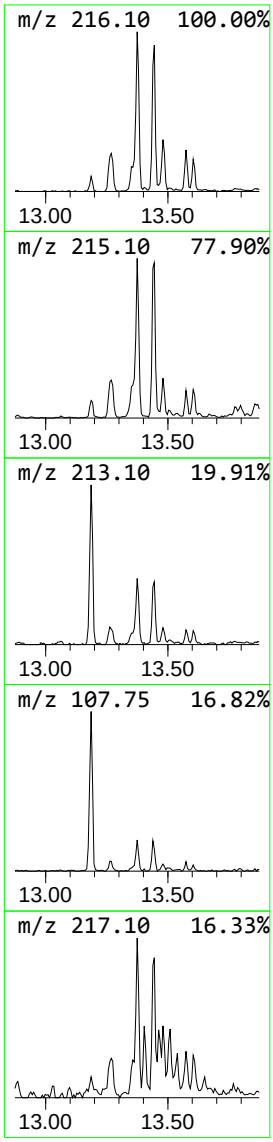
**********

Peak Number 5 Fluoranthene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.374 | 2.04 ng | 159746 | Chrysene-d12 | 14.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 95 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 91 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 90 |
| 5 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

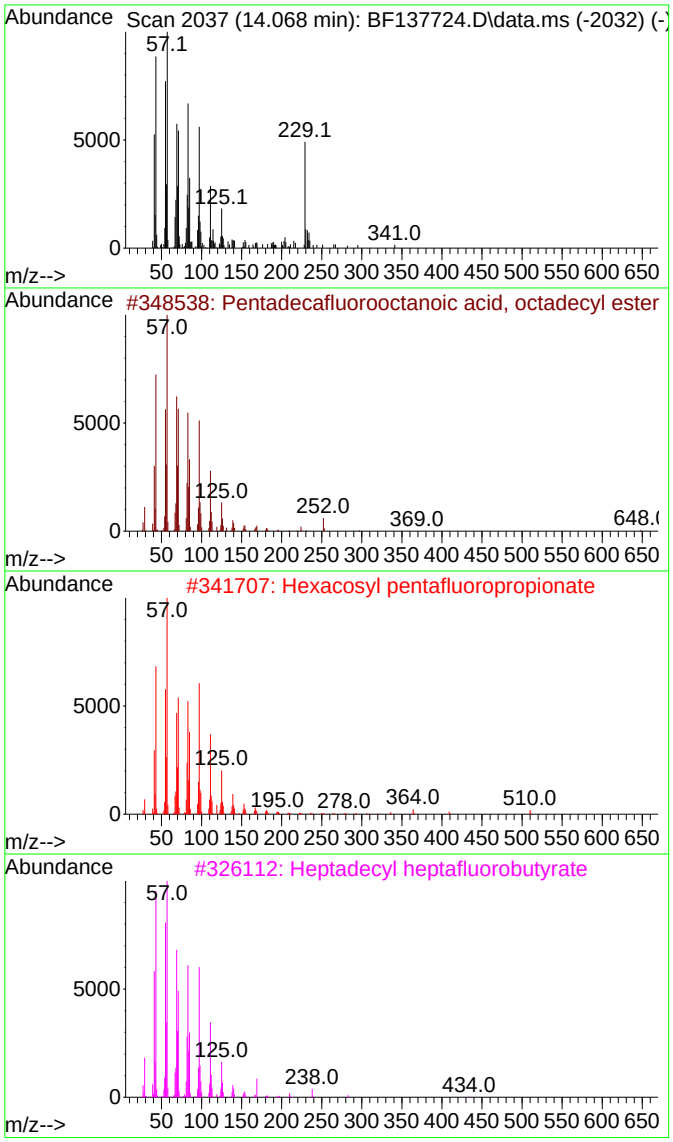
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

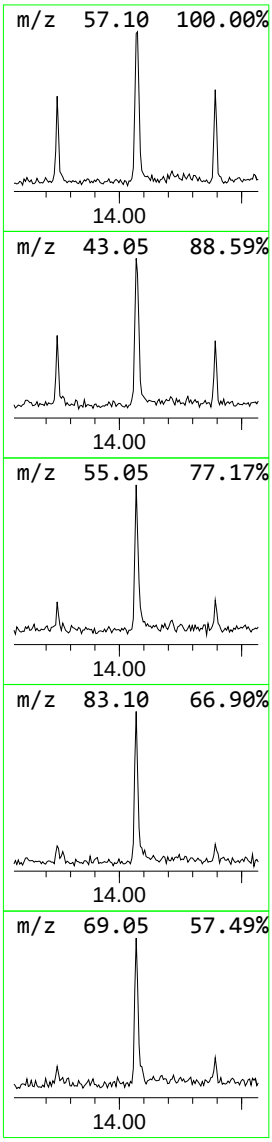
**********

Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.068 | 2.01 ng | 157631 | Chrysene-d12 | 14.251 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 86 |
| 2 | Hexacosyl pentafluoropropionate | 528 | C29H53F5O2 | 1000351-81-2 | 70 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 70 |
| 4 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 70 |
| 5 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
Data File : BF137724.D
Acq On : 24 Apr 2024 18:18
Operator : CG\JU
Sample : P2245-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
YARD-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.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 |
| Cyclohexane | 2.222 | 2.4 | ng | 175523 | 1 | 7.063 | 1487840 | 20.0 |
| Butane, 2-metho... | 2.440 | 6.9 | ng | 515479 | 1 | 7.063 | 1487840 | 20.0 |
| Phenanthrene, 2... | 12.104 | 2.8 | ng | 326344 | 4 | 11.598 | 2348270 | 20.0 |
| 4H-Cyclopenta[d... | 12.216 | 2.4 | ng | 276957 | 4 | 11.598 | 2348270 | 20.0 |
| Fluoranthene, 2... | 13.374 | 2.0 | ng | 159746 | 5 | 14.251 | 1565190 | 20.0 |
| Pentadecafluoro... | 14.068 | 2.0 | ng | 157631 | 5 | 14.251 | 1565190 | 20.0 |