LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137479.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.187 | 11 | 17 | 33 | rVB | 1380340 | 1918679 | 38.63% | 3.103% |
| 2 | 5.134 | 514 | 518 | 524 | rBV | 42887 | 59105 | 1.19% | 0.096% |
| 3 | 5.516 | 579 | 583 | 609 | rBV | 4420925 | 4401510 | 88.62% | 7.118% |
| 4 | 6.498 | 746 | 750 | 753 | rBV | 4223904 | 4369642 | 87.98% | 7.066% |
| 5 | 6.857 | 808 | 811 | 824 | rBV | 1440442 | 1310499 | 26.39% | 2.119% |
| 6 | 7.416 | 902 | 906 | 918 | rBV | 2780917 | 2853135 | 57.45% | 4.614% |
| 7 | 8.133 | 1024 | 1028 | 1048 | rBV | 1875857 | 1786196 | 35.97% | 2.888% |
| 8 | 8.457 | 1077 | 1083 | 1088 | rBV | 32614 | 50146 | 1.01% | 0.081% |
| 9 | 8.851 | 1146 | 1150 | 1156 | rBV | 58225 | 62277 | 1.25% | 0.101% |
| 10 | 8.945 | 1162 | 1166 | 1174 | rVB | 115988 | 110410 | 2.22% | 0.179% |
| 11 | 9.210 | 1206 | 1211 | 1215 | rBV | 4979877 | 4957880 | 99.83% | 8.017% |
| 12 | 9.316 | 1222 | 1229 | 1235 | rVB | 121550 | 144490 | 2.91% | 0.234% |
| 13 | 9.474 | 1252 | 1256 | 1265 | rBV | 119323 | 175982 | 3.54% | 0.285% |
| 14 | 9.551 | 1265 | 1269 | 1271 | rBV | 176460 | 184904 | 3.72% | 0.299% |
| 15 | 9.574 | 1271 | 1273 | 1279 | rVB | 134332 | 113090 | 2.28% | 0.183% |
| 16 | 9.669 | 1286 | 1289 | 1295 | rBV | 73179 | 96276 | 1.94% | 0.156% |
| 17 | 9.751 | 1295 | 1303 | 1308 | rVB | 57543 | 60751 | 1.22% | 0.098% |
| 18 | 9.892 | 1320 | 1327 | 1329 | rBV | 2416205 | 2136568 | 43.02% | 3.455% |
| 19 | 9.922 | 1329 | 1332 | 1338 | rVV | 1646934 | 1405058 | 28.29% | 2.272% |
| 20 | 9.998 | 1341 | 1345 | 1350 | rVV | 97901 | 148719 | 2.99% | 0.240% |
| 21 | 10.051 | 1350 | 1354 | 1356 | rVV2 | 75054 | 77897 | 1.57% | 0.126% |
| 22 | 10.098 | 1358 | 1362 | 1366 | rVV | 927942 | 834828 | 16.81% | 1.350% |
| 23 | 10.133 | 1366 | 1368 | 1375 | rVB | 67795 | 83019 | 1.67% | 0.134% |
| 24 | 10.304 | 1392 | 1397 | 1398 | rBV | 51543 | 54200 | 1.09% | 0.088% |
| 25 | 10.439 | 1417 | 1420 | 1426 | rBV | 1454349 | 1248970 | 25.15% | 2.020% |
| 26 | 10.527 | 1433 | 1435 | 1438 | rVB | 159040 | 120351 | 2.42% | 0.195% |
| 27 | 10.598 | 1445 | 1447 | 1452 | rVB | 250806 | 244862 | 4.93% | 0.396% |
| 28 | 10.686 | 1458 | 1462 | 1468 | rBV | 3397612 | 3225925 | 64.95% | 5.217% |
| 29 | 10.733 | 1468 | 1470 | 1474 | rVB | 67810 | 64528 | 1.30% | 0.104% |
| 30 | 10.816 | 1478 | 1484 | 1488 | rVB3 | 92031 | 115076 | 2.32% | 0.186% |
| 31 | 10.992 | 1508 | 1514 | 1517 | rBV2 | 175479 | 239576 | 4.82% | 0.387% |
| 32 | 11.074 | 1522 | 1528 | 1531 | rVB2 | 71491 | 91939 | 1.85% | 0.149% |
| 33 | 11.121 | 1531 | 1536 | 1538 | rBV2 | 72829 | 79523 | 1.60% | 0.129% |
| 34 | 11.192 | 1544 | 1548 | 1552 | rVB2 | 172018 | 178138 | 3.59% | 0.288% |
| 35 | 11.233 | 1552 | 1555 | 1561 | rVV3 | 83708 | 142248 | 2.86% | 0.230% |
| 36 | 11.280 | 1561 | 1563 | 1571 | rVB | 296829 | 295021 | 5.94% | 0.477% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.386 | 1577 | 1581 | 1583 | rBV | 2268300 | 2151307 | 43.32% | 3.479% |
| 38 | 11.416 | 1583 | 1586 | 1589 | rVV | 4533380 | 4151828 | 83.60% | 6.714% |
| 39 | 11.463 | 1589 | 1594 | 1597 | rVB | 393095 | 410007 | 8.26% | 0.663% |
| 40 | 11.621 | 1618 | 1621 | 1630 | rBV2 | 125516 | 221570 | 4.46% | 0.358% |
| 41 | 11.686 | 1630 | 1632 | 1636 | rBV | 99971 | 85005 | 1.71% | 0.137% |
| 42 | 11.804 | 1646 | 1652 | 1657 | rVB3 | 37216 | 56865 | 1.14% | 0.092% |
| 43 | 11.892 | 1664 | 1667 | 1669 | rBV | 371239 | 303900 | 6.12% | 0.491% |
| 44 | 11.921 | 1669 | 1672 | 1673 | rVV | 515508 | 528046 | 10.63% | 0.854% |
| 45 | 11.933 | 1673 | 1674 | 1678 | rVV | 646481 | 594019 | 11.96% | 0.961% |
| 46 | 11.968 | 1678 | 1680 | 1683 | rVV | 210342 | 229757 | 4.63% | 0.372% |
| 47 | 12.004 | 1683 | 1686 | 1689 | rVV | 901586 | 875033 | 17.62% | 1.415% |
| 48 | 12.027 | 1689 | 1690 | 1695 | rVB | 174555 | 109732 | 2.21% | 0.177% |
| 49 | 12.192 | 1715 | 1718 | 1721 | rBV | 231649 | 207401 | 4.18% | 0.335% |
| 50 | 12.215 | 1721 | 1722 | 1727 | rVB | 66741 | 51223 | 1.03% | 0.083% |
| 51 | 12.339 | 1735 | 1743 | 1746 | rBV3 | 72050 | 116232 | 2.34% | 0.188% |
| 52 | 12.445 | 1757 | 1761 | 1764 | rBV | 86015 | 96293 | 1.94% | 0.156% |
| 53 | 12.486 | 1764 | 1768 | 1773 | rVB4 | 74125 | 116388 | 2.34% | 0.188% |
| 54 | 12.533 | 1773 | 1776 | 1780 | rBV2 | 67386 | 78035 | 1.57% | 0.126% |
| 55 | 12.610 | 1785 | 1789 | 1792 | rBV | 3344933 | 3000968 | 60.42% | 4.853% |
| 56 | 12.721 | 1805 | 1808 | 1812 | rBV2 | 104331 | 135493 | 2.73% | 0.219% |
| 57 | 12.757 | 1812 | 1814 | 1822 | rVV | 91133 | 103313 | 2.08% | 0.167% |
| 58 | 12.839 | 1822 | 1828 | 1831 | rVV2 | 2161937 | 2518695 | 50.71% | 4.073% |
| 59 | 12.892 | 1834 | 1837 | 1841 | rVB2 | 105407 | 123926 | 2.50% | 0.200% |
| 60 | 12.963 | 1845 | 1849 | 1850 | rBV | 111965 | 109803 | 2.21% | 0.178% |
| 61 | 12.992 | 1850 | 1854 | 1857 | rVV | 5204874 | 4966461 | 100.00% | 8.031% |
| 62 | 13.063 | 1860 | 1866 | 1870 | rVB2 | 90854 | 156564 | 3.15% | 0.253% |
| 63 | 13.145 | 1877 | 1880 | 1882 | rBV2 | 78254 | 91665 | 1.85% | 0.148% |
| 64 | 13.168 | 1882 | 1884 | 1888 | rVB2 | 282029 | 247053 | 4.97% | 0.400% |
| 65 | 13.233 | 1891 | 1895 | 1899 | rBV2 | 284225 | 307214 | 6.19% | 0.497% |
| 66 | 13.274 | 1899 | 1902 | 1904 | rBV | 115360 | 107211 | 2.16% | 0.173% |
| 67 | 13.398 | 1921 | 1923 | 1932 | rVB4 | 49664 | 60000 | 1.21% | 0.097% |
| 68 | 13.498 | 1936 | 1940 | 1944 | rVB3 | 39243 | 58788 | 1.18% | 0.095% |
| 69 | 13.574 | 1948 | 1953 | 1955 | rBV4 | 82643 | 81351 | 1.64% | 0.132% |
| 70 | 13.792 | 1987 | 1990 | 1993 | rBV | 69720 | 76987 | 1.55% | 0.124% |
| 71 | 13.821 | 1993 | 1995 | 1997 | rBV | 72043 | 65930 | 1.33% | 0.107% |
| 72 | 13.904 | 2005 | 2009 | 2012 | rBV2 | 237346 | 289572 | 5.83% | 0.468% |
| 73 | 13.933 | 2012 | 2014 | 2018 | rVB | 85286 | 86513 | 1.74% | 0.140% |
| 74 | 14.045 | 2026 | 2033 | 2036 | rBV2 | 1780865 | 2063140 | 41.54% | 3.336% |
| 75 | 14.074 | 2036 | 2038 | 2046 | rVV | 369543 | 412495 | 8.31% | 0.667% |
| 76 | 14.151 | 2048 | 2051 | 2054 | rVB | 88421 | 85057 | 1.71% | 0.138% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.227 | 2061 | 2064 | 2067 | rVB | 81254 | 71802 | 1.45% | 0.116% |
| 78 | 14.533 | 2113 | 2116 | 2119 | rVB2 | 93991 | 86656 | 1.74% | 0.140% |
| 79 | 14.862 | 2168 | 2172 | 2177 | rVB | 102810 | 130357 | 2.62% | 0.211% |
| 80 | 14.939 | 2182 | 2185 | 2189 | rBV | 106008 | 130789 | 2.63% | 0.212% |
| 81 | 15.121 | 2211 | 2216 | 2219 | rBV | 133294 | 211643 | 4.26% | 0.342% |
| 82 | 15.233 | 2229 | 2235 | 2240 | rVB2 | 173047 | 231158 | 4.65% | 0.374% |
| 83 | 15.439 | 2266 | 2270 | 2277 | rVV | 56719 | 82510 | 1.66% | 0.133% |
| 84 | 15.504 | 2277 | 2281 | 2288 | rVV2 | 80663 | 144098 | 2.90% | 0.233% |
| 85 | 15.574 | 2288 | 2293 | 2301 | rVV | 885729 | 1247050 | 25.11% | 2.017% |
| 86 | 15.645 | 2301 | 2305 | 2313 | rVB | 102192 | 170710 | 3.44% | 0.276% |
| 87 | 16.133 | 2380 | 2388 | 2394 | rBV | 97534 | 202221 | 4.07% | 0.327% |
| 88 | 16.698 | 2479 | 2484 | 2493 | rVB2 | 44390 | 93733 | 1.89% | 0.152% |
| 89 | 17.368 | 2593 | 2598 | 2607 | rBV3 | 29318 | 63688 | 1.28% | 0.103% |

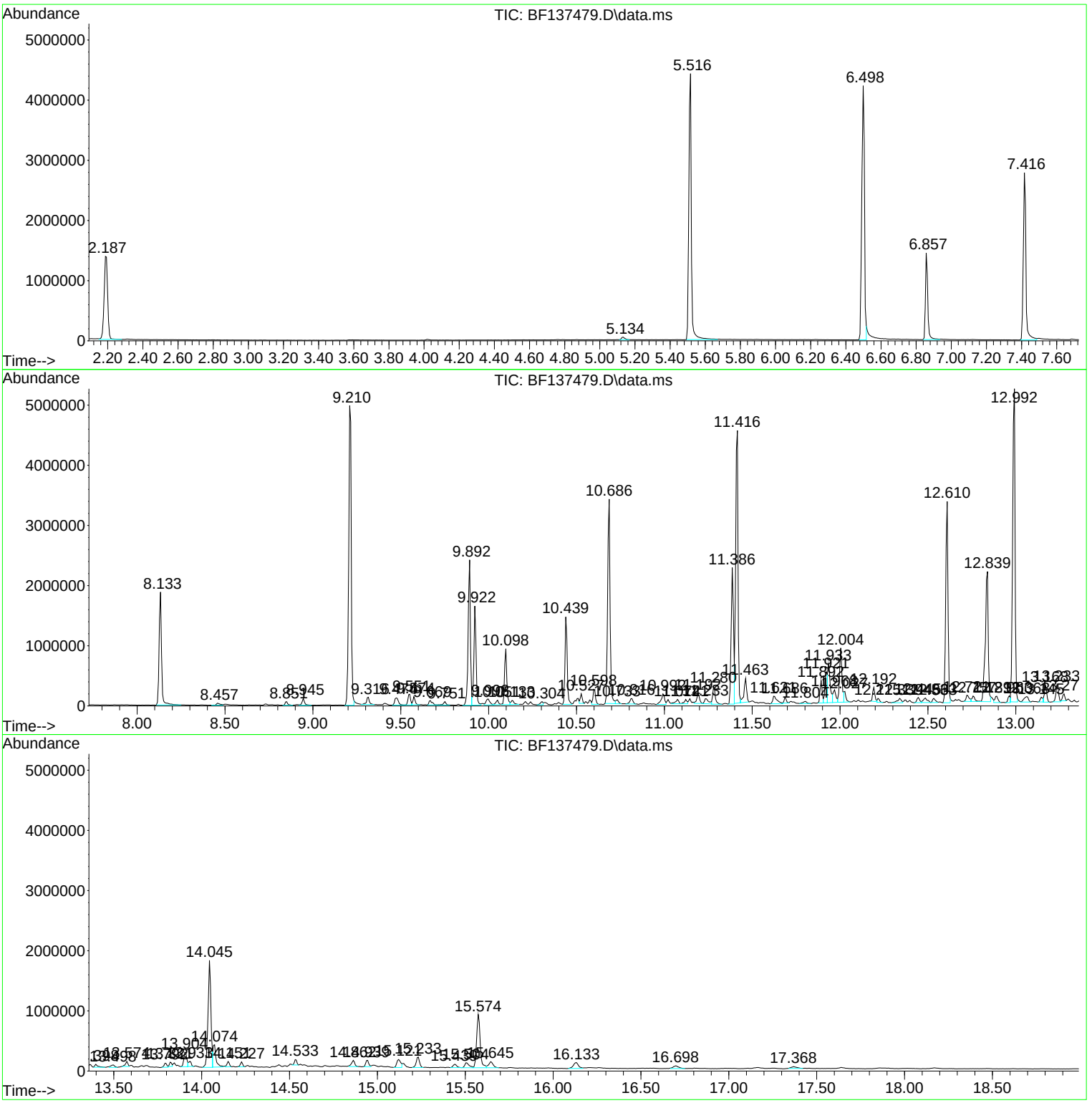
Sum of corrected areas: 61838673

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

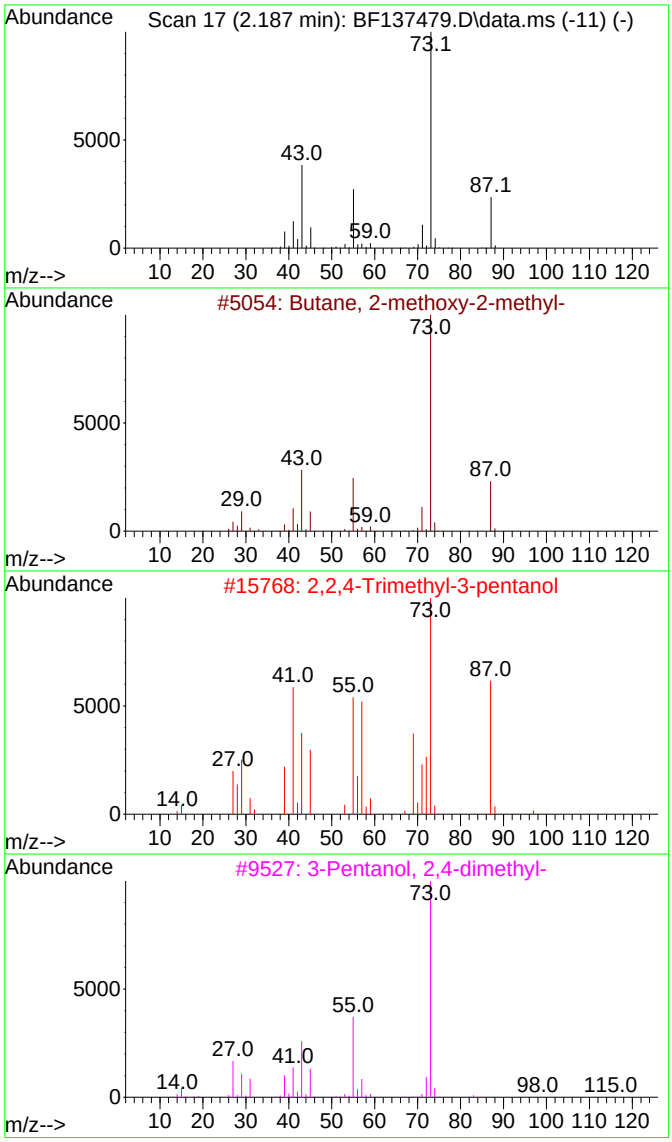
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

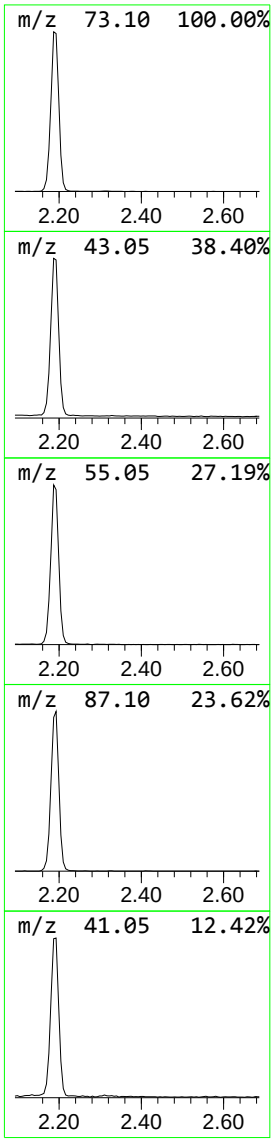
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.187 | 29.28 ng | 1918680 | 1,4-Dichlorobenzene-d4 | 6.857 |

| 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 | 39 |
| 3 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 37 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 5 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

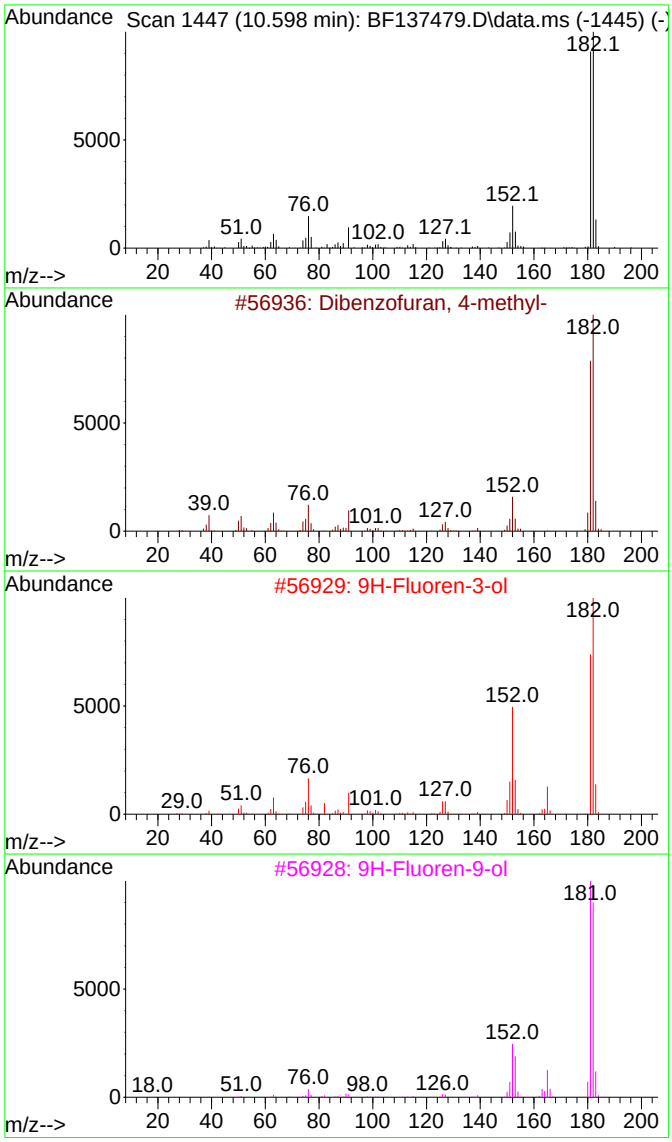
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

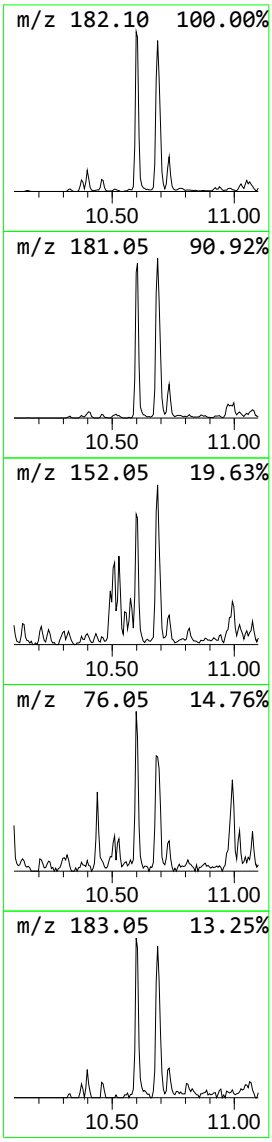
**********

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.598 | 2.29 ng | 244862 | Acenaphthene-d10 | 9.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 94 |
| 2 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 91 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 72 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 72 |
| 5 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

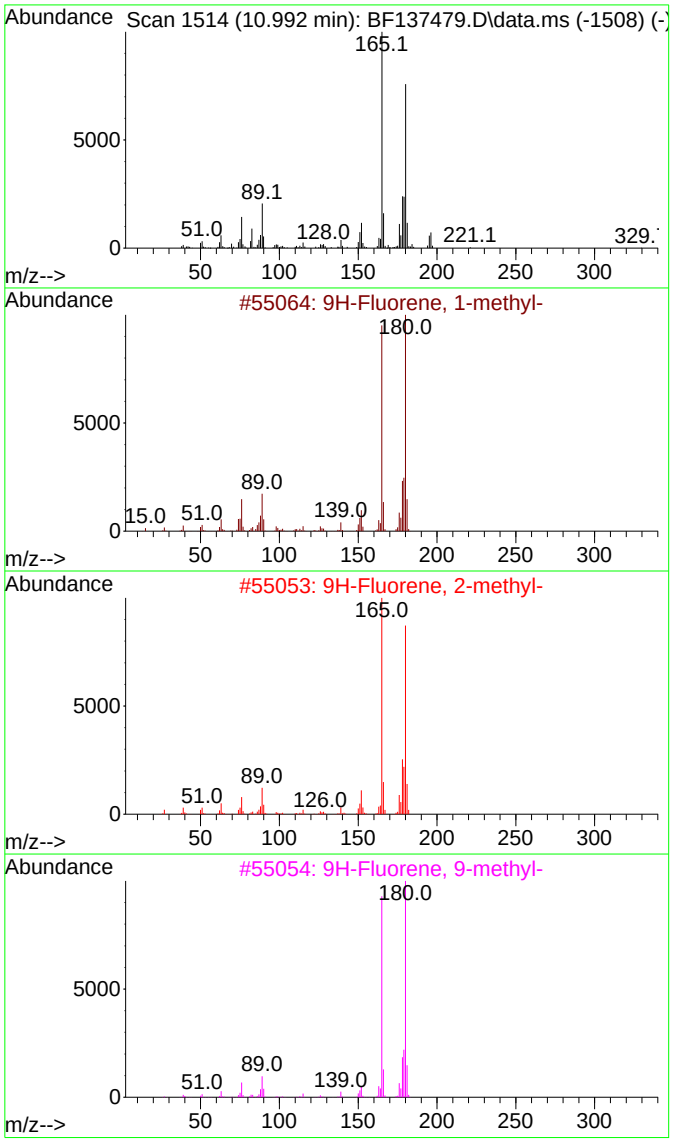
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

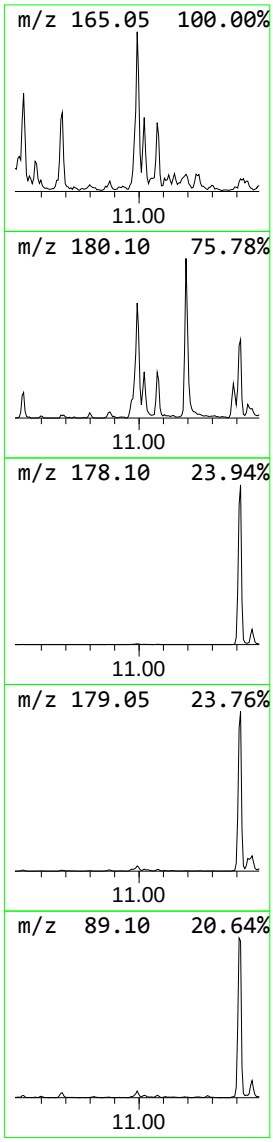
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.992 | 2.23 ng | 239576 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 96 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 91 |
| 4 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 90 |
| 5 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

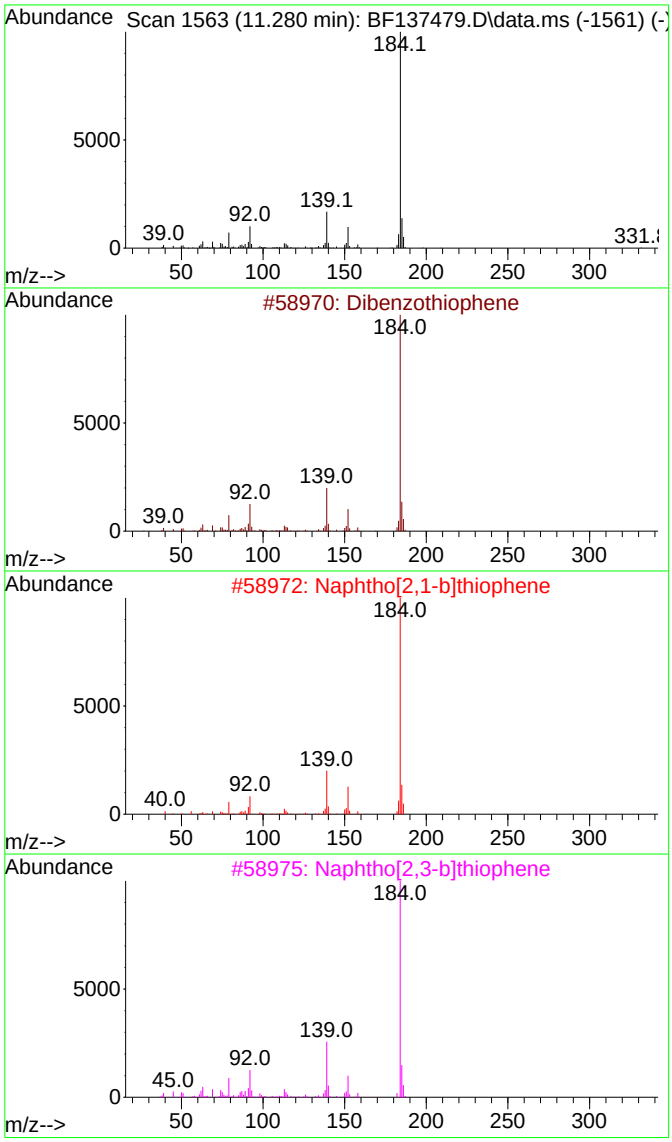
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

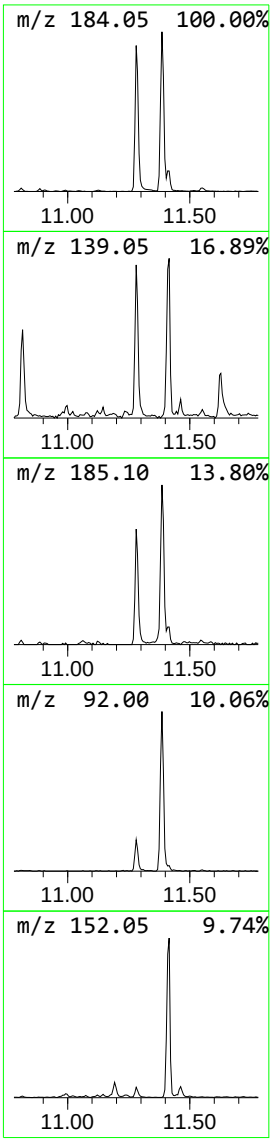
**********

Peak Number 4 Dibenzothiophene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.280 | 2.74 ng | 295021 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 3 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 94 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

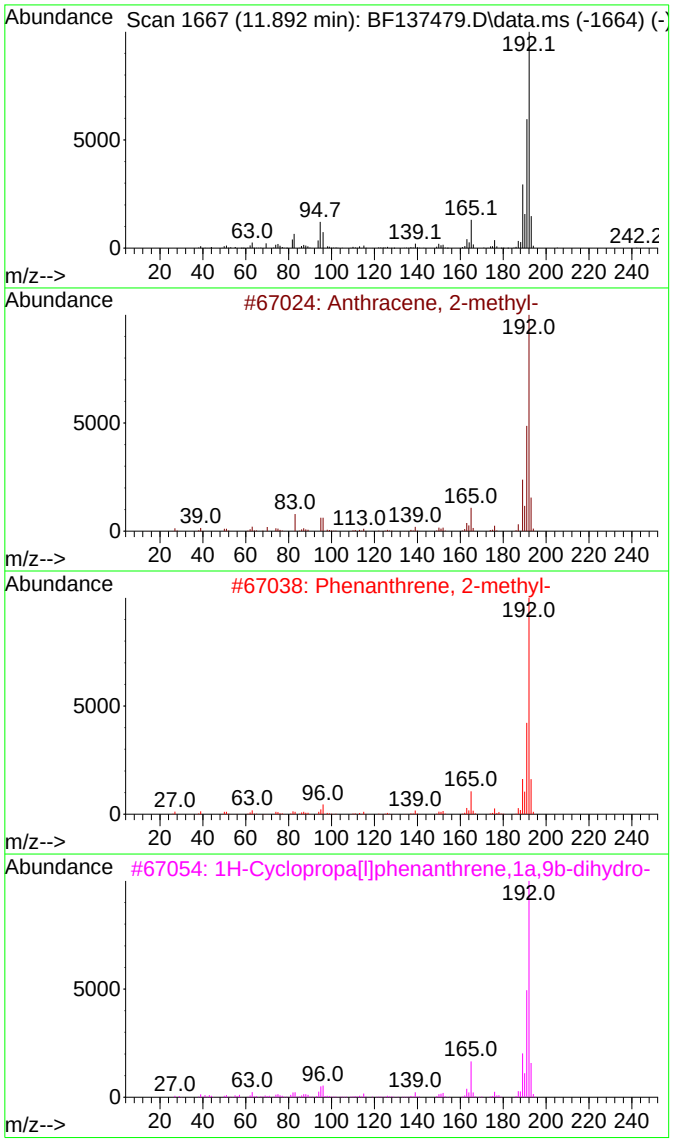
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

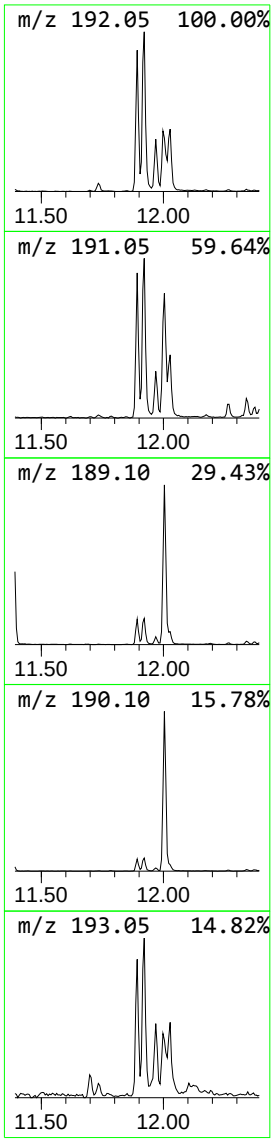
**********

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.892 | 2.83 ng | 303900 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

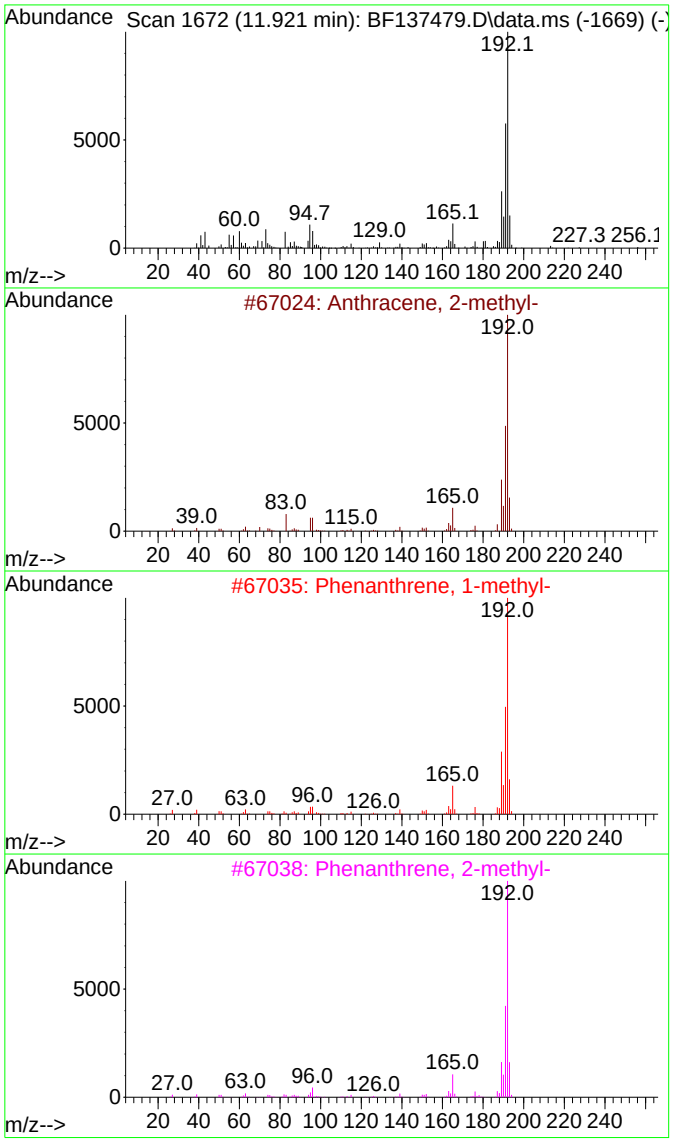
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

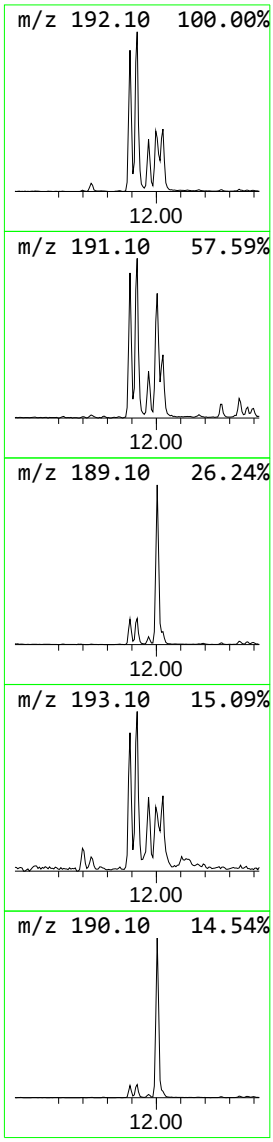
**********

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.921 | 4.91 ng | 528046 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 94 |



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Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

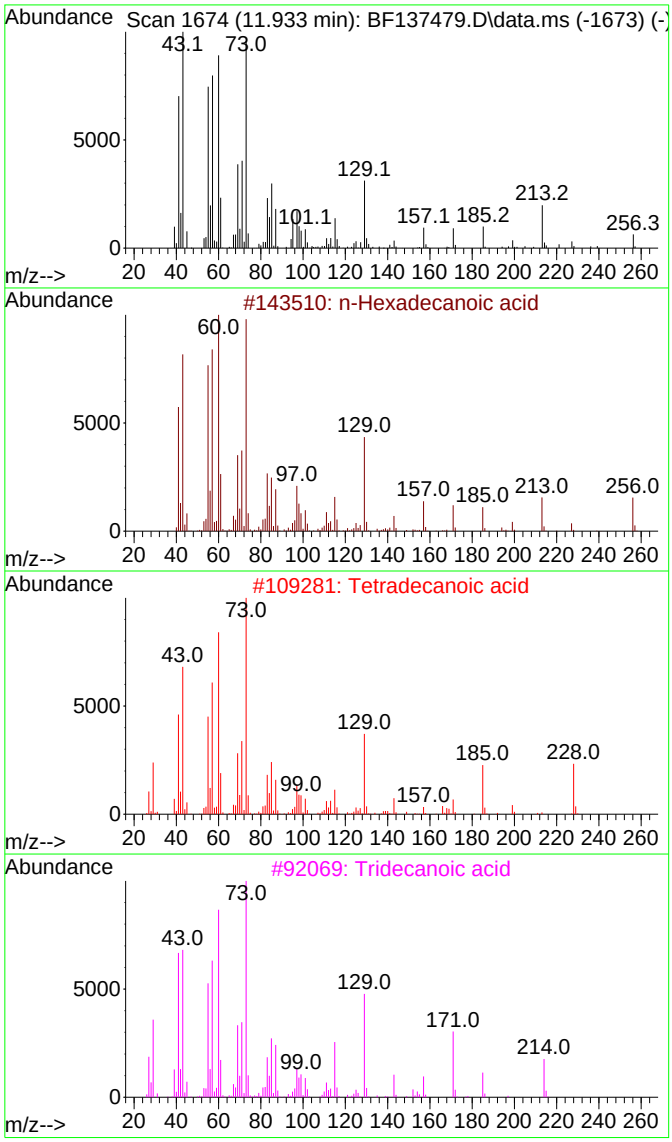
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

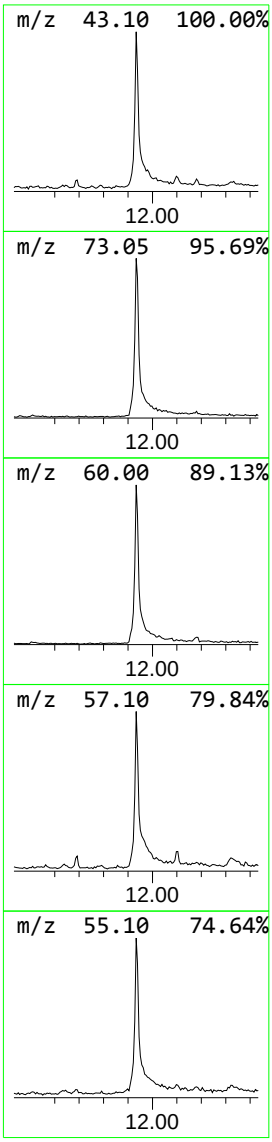
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 5.52 ng | 594019 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 72 |



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Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

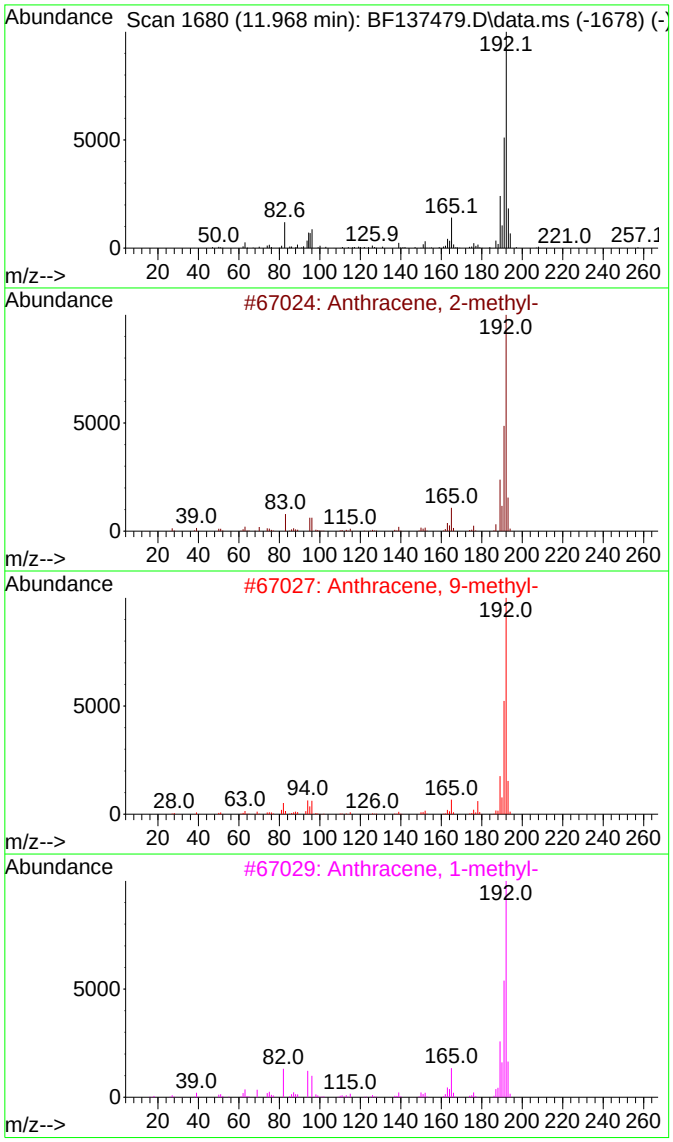
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

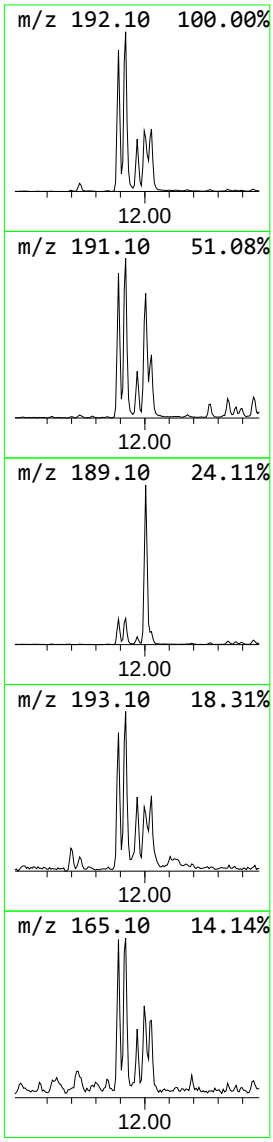
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.969 | 2.14 ng | 229757 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 5 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

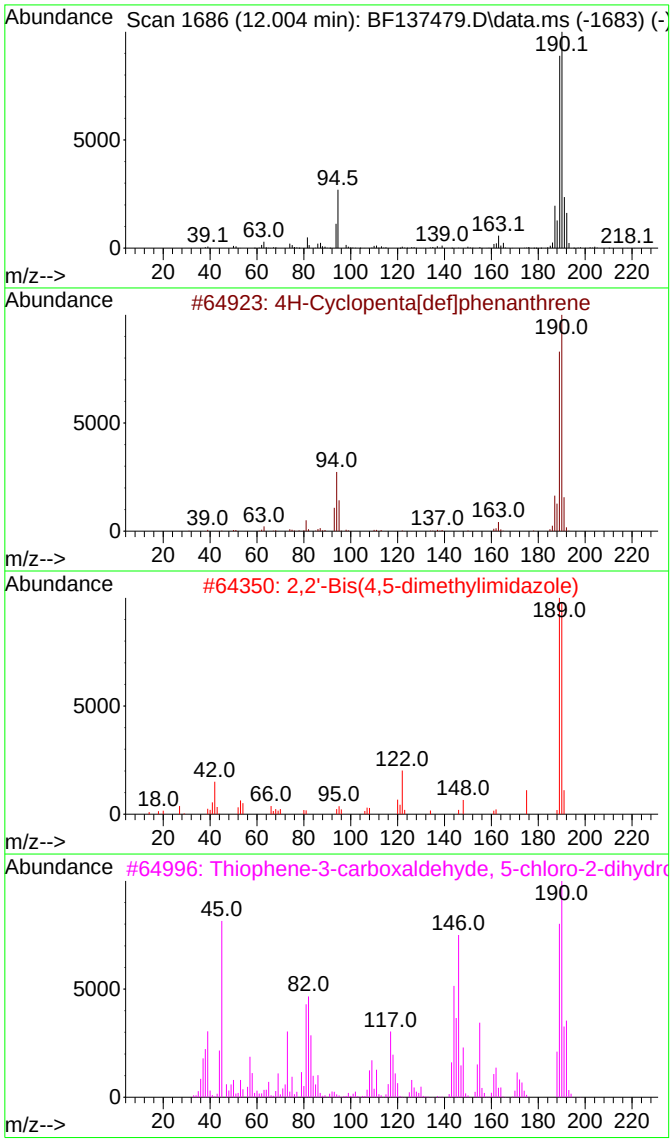
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

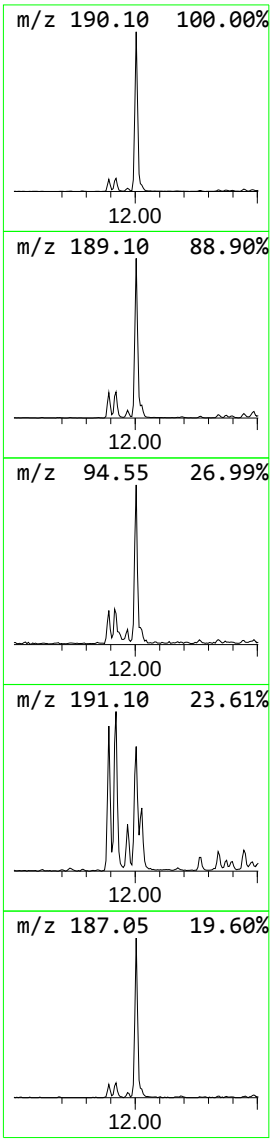
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.004 | 8.13 ng | 875033 | Phenanthrene-d10 | 11.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 94 |
| 2 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 38 |
| 3 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 38 |
| 4 | 6,7-Methylenedioxy-4(3H)-quinazo... | 190 | C9H6N2O3 | 028310-11-4 | 33 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 17 |



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Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

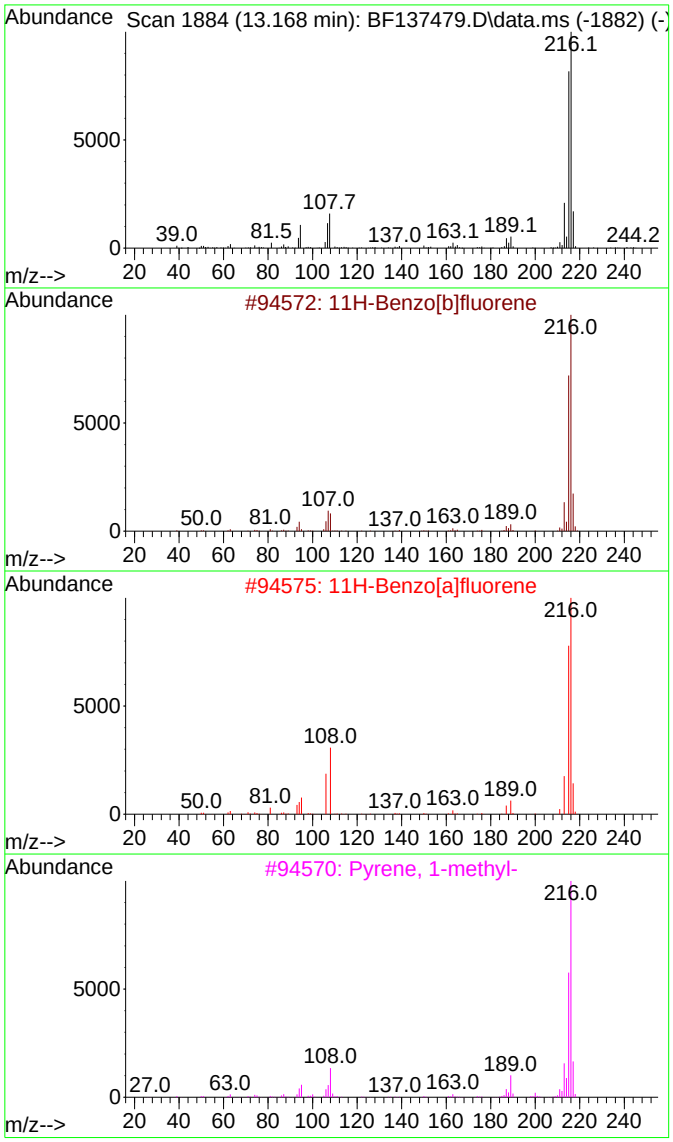
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

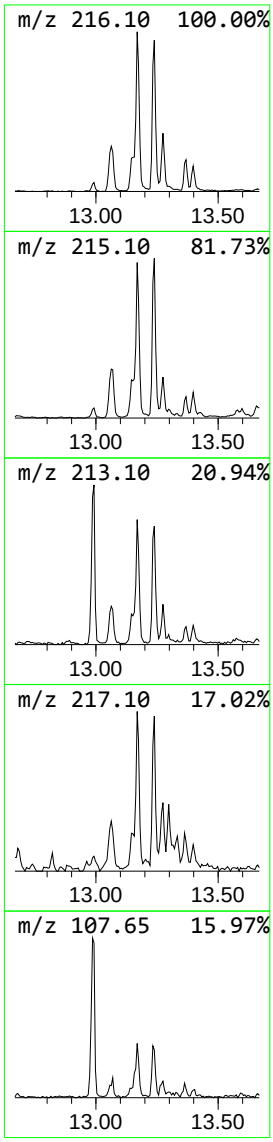
**********

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.168 | 2.39 ng | 247053 | Chrysene-d12 | 14.045 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 80 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

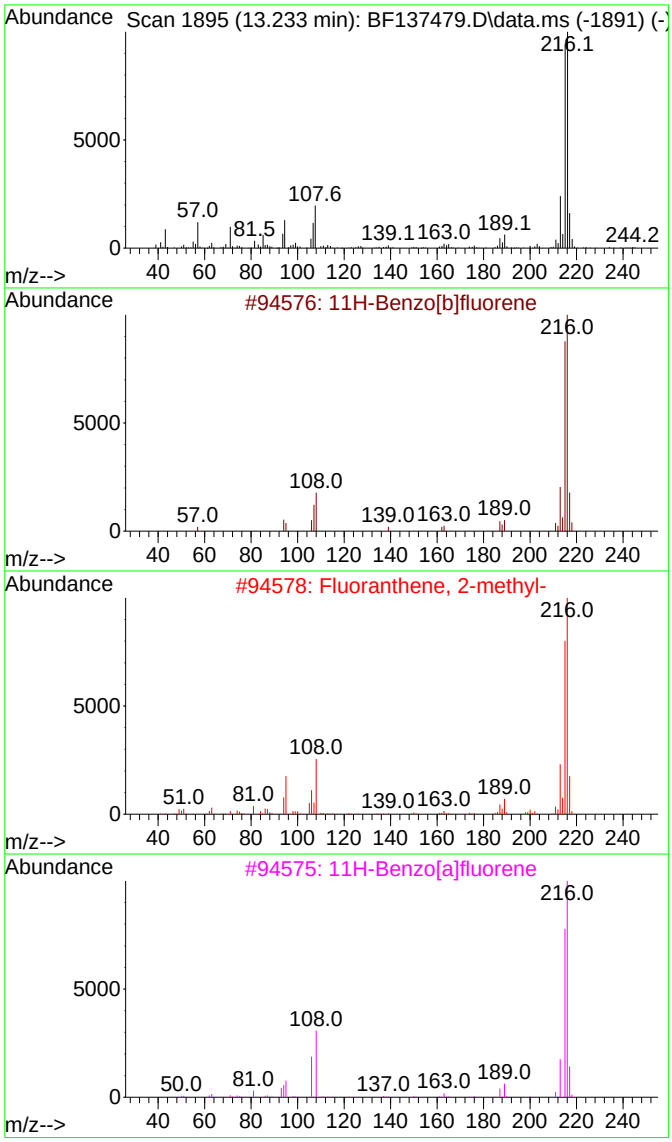
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

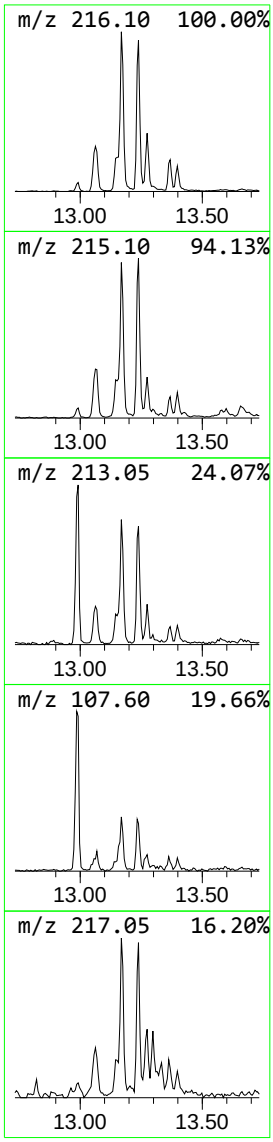
**********

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.233 | 2.98 ng | 307214 | Chrysene-d12 | 14.045 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

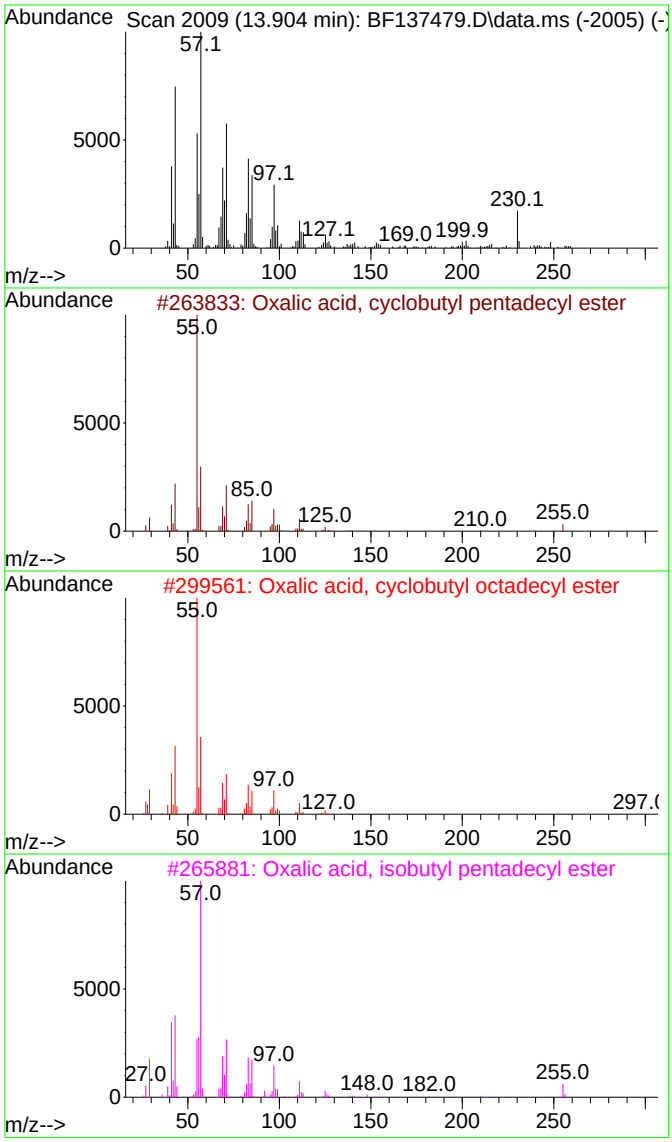
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

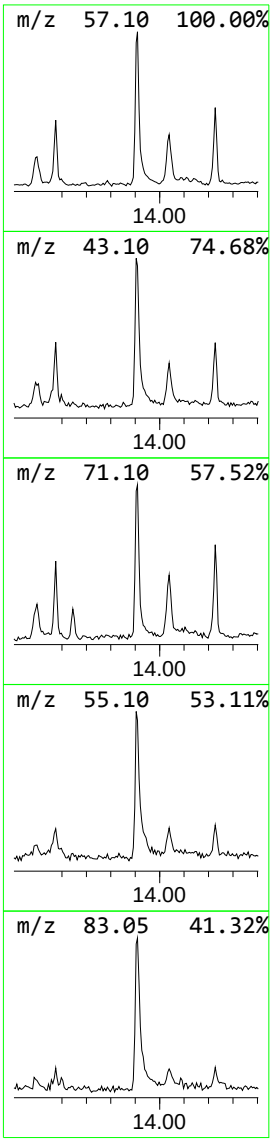
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Oxalic acid, cyclobutyl pen... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.904 | 2.81 ng | 289572 | Chrysene-d12 | 14.045 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, cyclobutyl pentadec... | 354 | C21H38O4 | 1010309-70-5 | 91 |
| 2 | Oxalic acid, cyclobutyl octadecy... | 396 | C24H44O4 | 1000309-70-8 | 91 |
| 3 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 91 |
| 4 | Oxalic acid, propyl tetradecyl e... | 328 | C19H36O4 | 1000309-26-7 | 90 |
| 5 | Pentadecafluorooctanoic acid, pe... | 624 | C23H31F15O2 | 1000406-04-5 | 76 |



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Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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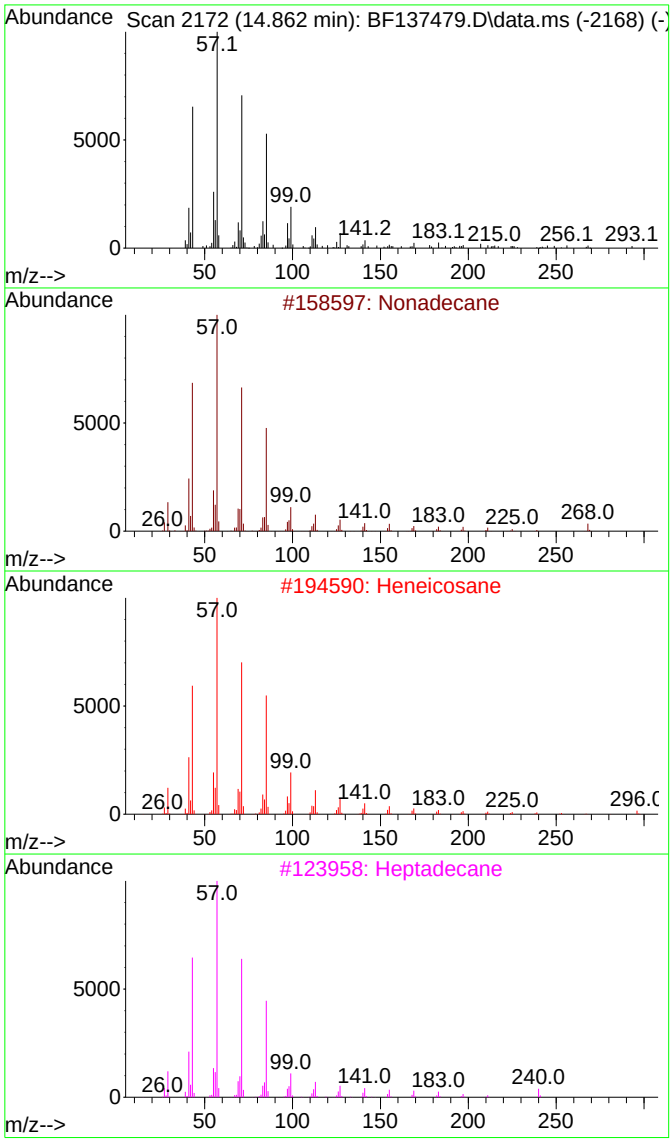
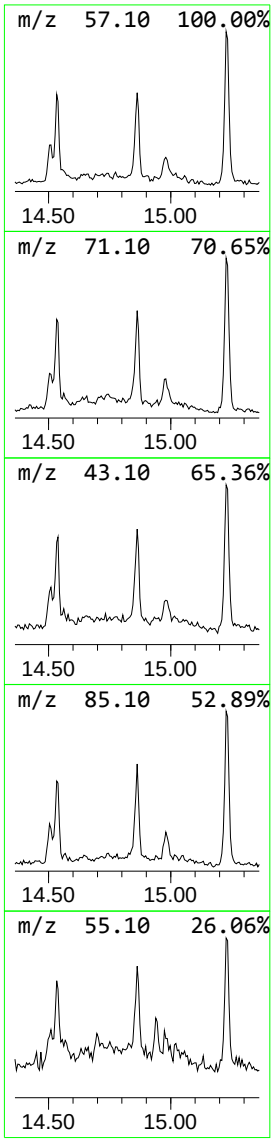
Peak Number 14 Nonadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.862 | 2.09 ng | 130357 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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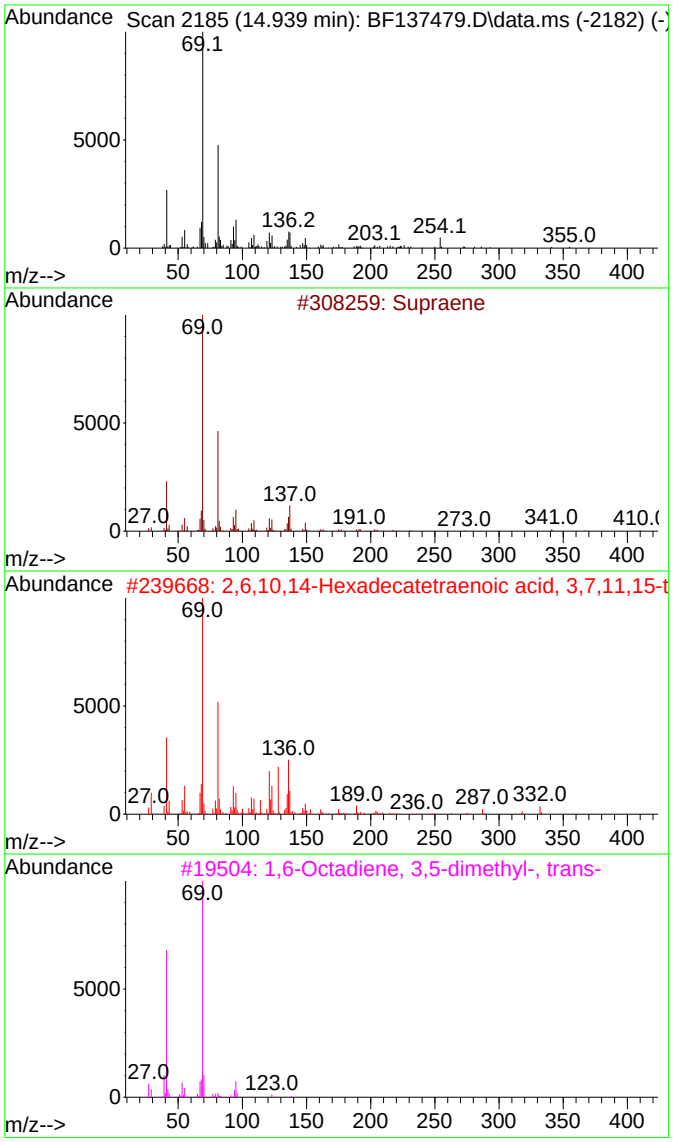
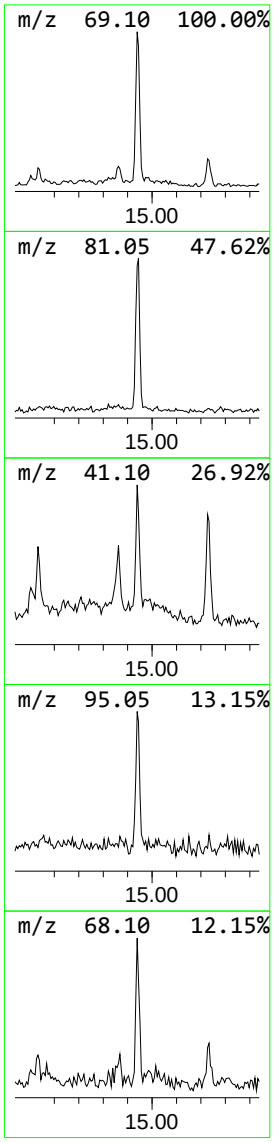
Peak Number 15 Supraene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.939 | 2.10 ng | 130789 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Supraene | 410 | C30H50 | 007683-64-9 | 87 |
| 2 | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6 | 72 |
| 3 | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18 | 074630-87-8 | 53 |
| 4 | 1,5-Heptadiene, 3,3,6-trimethyl- | 138 | C10H18 | 035387-63-4 | 53 |
| 5 | Trideca-1,7,11-triene-1,1-dicarb... | 270 | C18H26N2 | 1000161-46-0 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
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Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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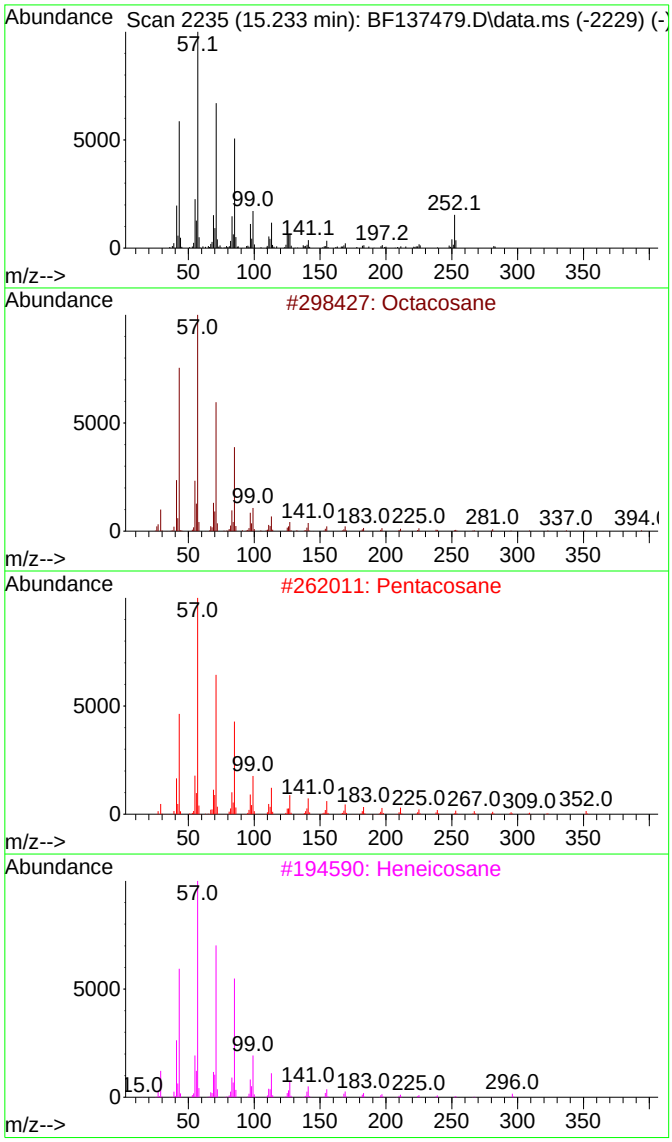
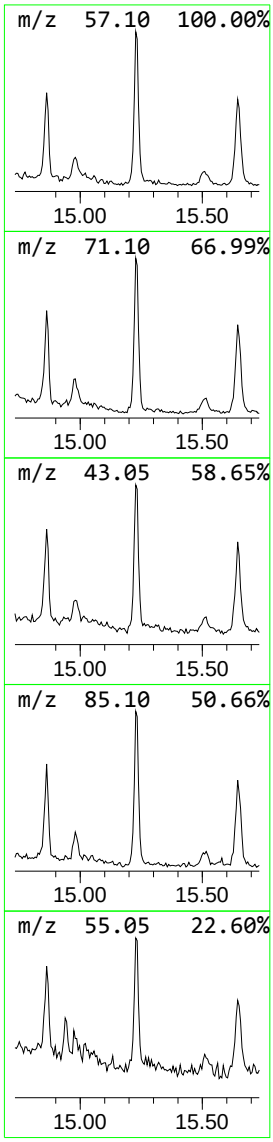
Peak Number 16 Octacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.233 | 3.71 ng | 231158 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 80 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 76 |
| 4 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 74 |
| 5 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
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Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

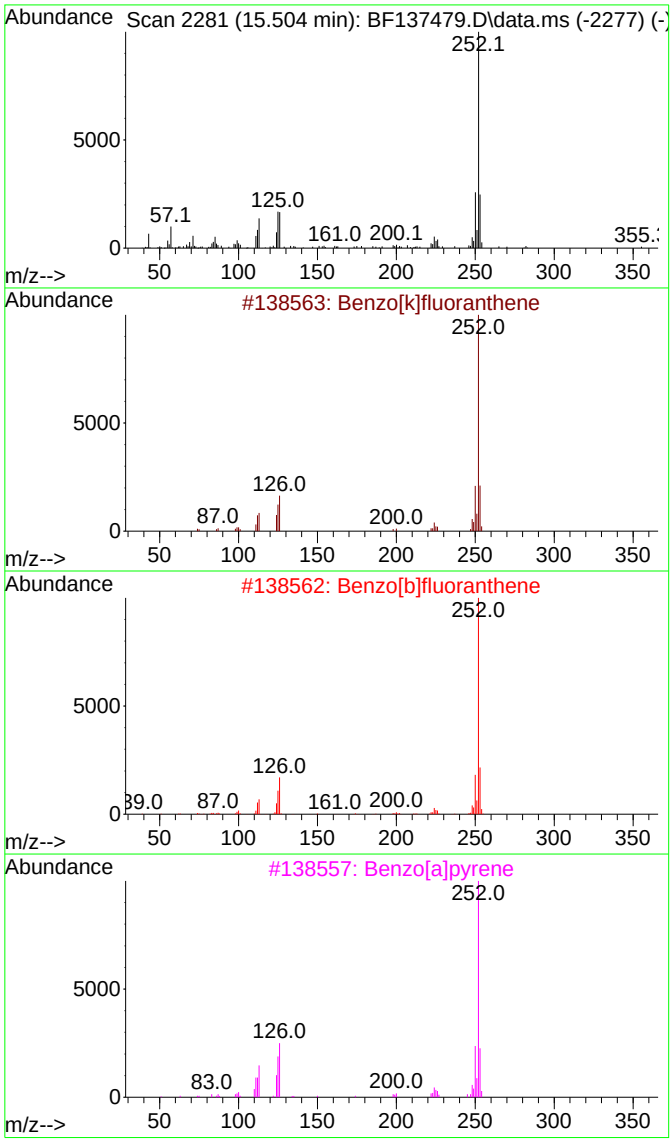
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

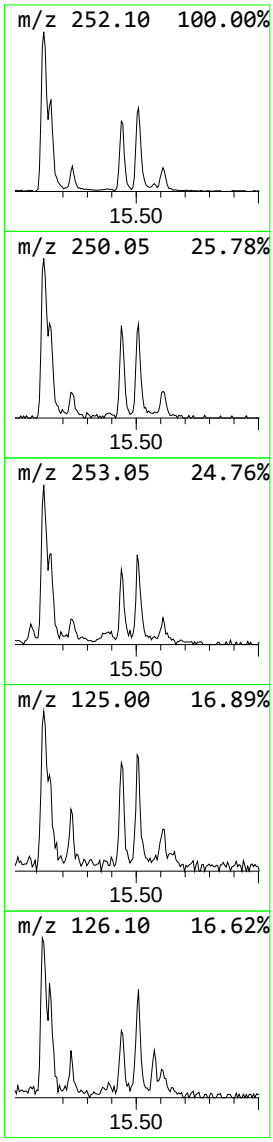
**********

Peak Number 17 Benzo[j]fluoranthene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.504 | 2.31 ng | 144098 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 96 |
| 2 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 95 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 95 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 93 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

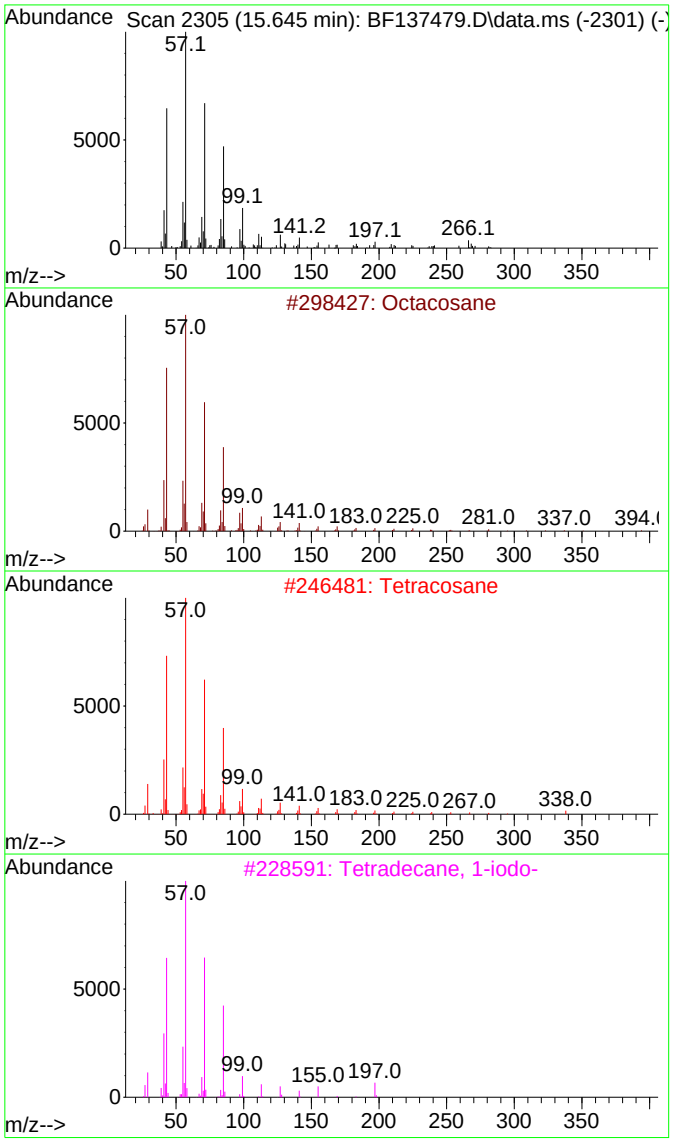
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

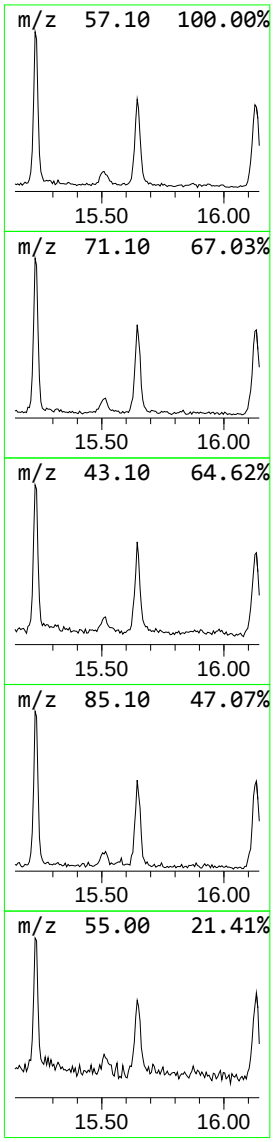
**********

Peak Number 18 Tetracosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.645 | 2.74 ng | 170710 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 83 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 80 |
| 4 | Eicosane, 1-iodo- | 408 | C20H41I | 1000406-31-8 | 80 |
| 5 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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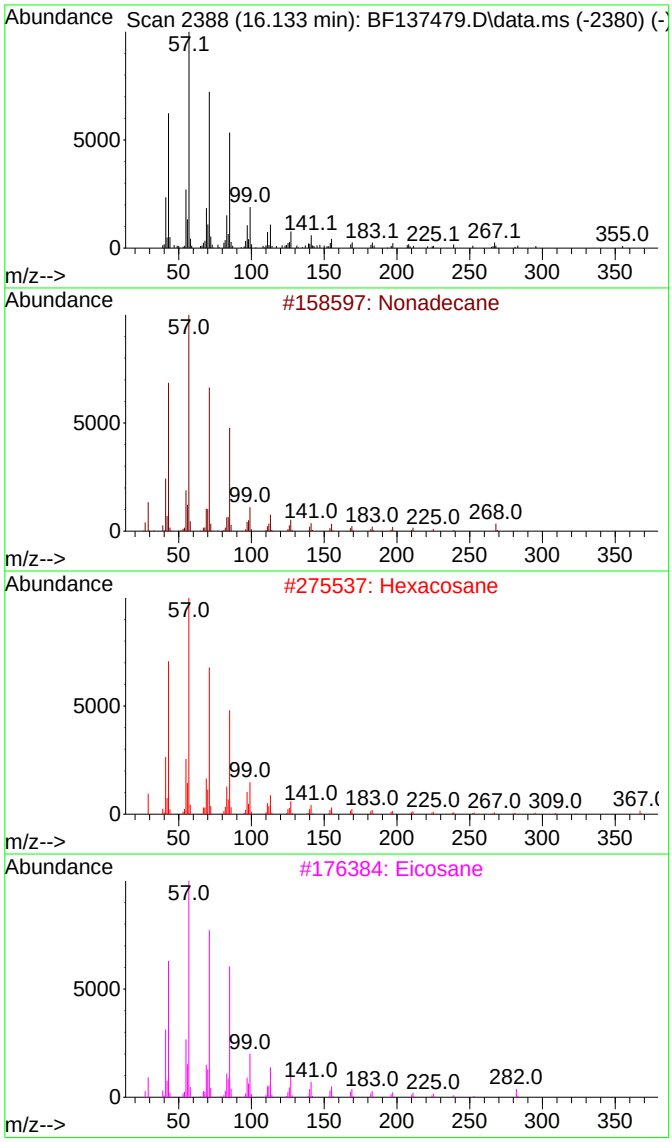
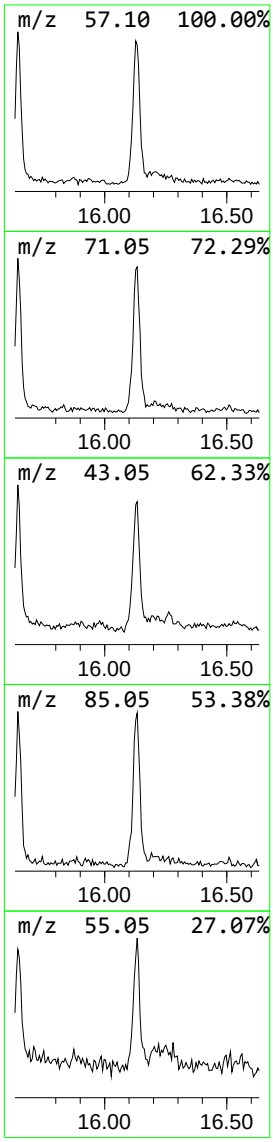
Peak Number 19 Hexacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.133 | 3.24 ng | 202221 | Perylene-d12 | 15.574 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137479.D
Acq On : 04 Mar 2024 14:20
Operator : CG\JU
Sample : P1662-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ETGI-352

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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... | 2.187 | 29.3 | ng | 1918680 | 1 | 6.857 | 1310500 | 20.0 |
| Dibenzofuran, 4... | 10.598 | 2.3 | ng | 244862 | 3 | 9.892 | 2136570 | 20.0 |
| 9H-Fluorene, 1-... | 10.992 | 2.2 | ng | 239576 | 4 | 11.386 | 2151310 | 20.0 |
| Dibenzothiophene | 11.280 | 2.7 | ng | 295021 | 4 | 11.386 | 2151310 | 20.0 |
| Anthracene, 2-m... | 11.892 | 2.8 | ng | 303900 | 4 | 11.386 | 2151310 | 20.0 |
| Phenanthrene, 1... | 11.921 | 4.9 | ng | 528046 | 4 | 11.386 | 2151310 | 20.0 |
| n-Hexadecanoic ... | 11.933 | 5.5 | ng | 594019 | 4 | 11.386 | 2151310 | 20.0 |
| Anthracene, 9-m... | 11.969 | 2.1 | ng | 229757 | 4 | 11.386 | 2151310 | 20.0 |
| 4H-Cyclopenta[d... | 12.004 | 8.1 | ng | 875033 | 4 | 11.386 | 2151310 | 20.0 |
| 11H-Benzo[b]flu... | 13.168 | 2.4 | ng | 247053 | 5 | 14.045 | 2063140 | 20.0 |
| Fluoranthene, 2... | 13.233 | 3.0 | ng | 307214 | 5 | 14.045 | 2063140 | 20.0 |
| Oxalic acid, cy... | 13.904 | 2.8 | ng | 289572 | 5 | 14.045 | 2063140 | 20.0 |
| Nonadecane | 14.862 | 2.1 | ng | 130357 | 6 | 15.574 | 1247050 | 20.0 |
| Supraene | 14.939 | 2.1 | ng | 130789 | 6 | 15.574 | 1247050 | 20.0 |
| Octacosane | 15.233 | 3.7 | ng | 231158 | 6 | 15.574 | 1247050 | 20.0 |
| Benzo[j]fluoran... | 15.504 | 2.3 | ng | 144098 | 6 | 15.574 | 1247050 | 20.0 |
| Tetracosane | 15.645 | 2.7 | ng | 170710 | 6 | 15.574 | 1247050 | 20.0 |
| Hexacosane | 16.133 | 3.2 | ng | 202221 | 6 | 15.574 | 1247050 | 20.0 |