LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.687 | 642 | 646 | 651 | rVV3 | 42641 | 84055 | 1.77% | 0.126% |
| 2 | 6.740 | 651 | 655 | 668 | rVB | 108944 | 235146 | 4.94% | 0.352% |
| 3 | 6.899 | 674 | 682 | 692 | rVB | 87361 | 203606 | 4.28% | 0.305% |
| 4 | 7.087 | 709 | 714 | 726 | rVB | 152970 | 312735 | 6.57% | 0.469% |
| 5 | 7.552 | 787 | 793 | 809 | rVB | 571841 | 1033434 | 21.72% | 1.548% |
| 6 | 7.734 | 819 | 824 | 827 | rVV4 | 40039 | 60730 | 1.28% | 0.091% |
| 7 | 7.816 | 833 | 838 | 846 | rVV6 | 34595 | 93364 | 1.96% | 0.140% |
| 8 | 8.093 | 880 | 885 | 894 | rVB6 | 40934 | 81140 | 1.71% | 0.122% |
| 9 | 8.269 | 901 | 915 | 923 | rBV | 139538 | 336260 | 7.07% | 0.504% |
| 10 | 8.416 | 935 | 940 | 950 | rVB10 | 34830 | 93353 | 1.96% | 0.140% |
| 11 | 8.616 | 967 | 974 | 975 | rBV3 | 39640 | 59182 | 1.24% | 0.089% |
| 12 | 8.710 | 985 | 990 | 999 | rBV | 115428 | 254329 | 5.34% | 0.381% |
| 13 | 8.852 | 1009 | 1014 | 1017 | rBV3 | 37568 | 67193 | 1.41% | 0.101% |
| 14 | 8.887 | 1017 | 1020 | 1026 | rVB5 | 46648 | 87306 | 1.83% | 0.131% |
| 15 | 9.246 | 1075 | 1081 | 1087 | rVV3 | 59018 | 103776 | 2.18% | 0.155% |
| 16 | 9.422 | 1103 | 1111 | 1121 | rBV2 | 111353 | 288757 | 6.07% | 0.433% |
| 17 | 9.504 | 1121 | 1125 | 1133 | rVB6 | 58231 | 104449 | 2.19% | 0.156% |
| 18 | 9.922 | 1189 | 1196 | 1199 | rBV6 | 22707 | 50012 | 1.05% | 0.075% |
| 19 | 9.969 | 1199 | 1204 | 1211 | rBV | 113531 | 231379 | 4.86% | 0.347% |
| 20 | 10.322 | 1252 | 1264 | 1269 | rBV | 931967 | 1611391 | 33.86% | 2.414% |
| 21 | 10.369 | 1269 | 1272 | 1280 | rVB | 254509 | 447167 | 9.40% | 0.670% |
| 22 | 10.493 | 1288 | 1293 | 1299 | rBV3 | 68437 | 121623 | 2.56% | 0.182% |
| 23 | 10.810 | 1342 | 1347 | 1352 | rVV5 | 29782 | 47412 | 1.00% | 0.071% |
| 24 | 10.993 | 1371 | 1378 | 1381 | rBV5 | 34965 | 64692 | 1.36% | 0.097% |
| 25 | 11.022 | 1381 | 1383 | 1388 | rVB4 | 40194 | 52890 | 1.11% | 0.079% |
| 26 | 11.357 | 1434 | 1440 | 1444 | rBV2 | 107714 | 189691 | 3.99% | 0.284% |
| 27 | 11.610 | 1475 | 1483 | 1486 | rBV6 | 36090 | 60660 | 1.27% | 0.091% |
| 28 | 11.993 | 1544 | 1548 | 1554 | rVB2 | 106201 | 193229 | 4.06% | 0.289% |
| 29 | 12.216 | 1580 | 1586 | 1596 | rVB2 | 80357 | 174544 | 3.67% | 0.261% |
| 30 | 12.469 | 1624 | 1629 | 1635 | rVB4 | 44817 | 86121 | 1.81% | 0.129% |
| 31 | 12.616 | 1649 | 1654 | 1661 | rVV9 | 29917 | 60159 | 1.26% | 0.090% |
| 32 | 12.687 | 1662 | 1666 | 1669 | rVV4 | 25075 | 45853 | 0.96% | 0.069% |
| 33 | 12.734 | 1669 | 1674 | 1679 | rVV | 148614 | 229597 | 4.82% | 0.344% |
| 34 | 12.781 | 1679 | 1682 | 1691 | rVB7 | 37410 | 74716 | 1.57% | 0.112% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.998 | 1716 | 1719 | 1722 | rVV3 | 33858 | 52250 | 1.10% | 0.078% |
| 36 | 13.045 | 1725 | 1727 | 1731 | rVB4 | 49902 | 56970 | 1.20% | 0.085% |
| 37 | 13.363 | 1774 | 1781 | 1782 | rBV4 | 43089 | 81965 | 1.72% | 0.123% |
| 38 | 13.516 | 1802 | 1807 | 1812 | rBV | 87945 | 169185 | 3.56% | 0.253% |
| 39 | 13.569 | 1814 | 1816 | 1819 | rVV | 41714 | 48360 | 1.02% | 0.072% |
| 40 | 13.616 | 1819 | 1824 | 1829 | rVV | 469791 | 651146 | 13.68% | 0.975% |
| 41 | 13.687 | 1829 | 1836 | 1840 | rVB3 | 170846 | 274218 | 5.76% | 0.411% |
| 42 | 13.887 | 1865 | 1870 | 1874 | rBV | 418458 | 603368 | 12.68% | 0.904% |
| 43 | 14.022 | 1889 | 1893 | 1897 | rBV2 | 72865 | 92274 | 1.94% | 0.138% |
| 44 | 14.198 | 1913 | 1923 | 1929 | rBV | 1474504 | 2246560 | 47.21% | 3.366% |
| 45 | 14.263 | 1929 | 1934 | 1943 | rVB | 293680 | 480554 | 10.10% | 0.720% |
| 46 | 14.598 | 1986 | 1991 | 1996 | rBV | 210311 | 346294 | 7.28% | 0.519% |
| 47 | 14.651 | 1996 | 2000 | 2003 | rBV3 | 81166 | 100923 | 2.12% | 0.151% |
| 48 | 14.734 | 2011 | 2014 | 2024 | rVB5 | 84486 | 140892 | 2.96% | 0.211% |
| 49 | 14.822 | 2024 | 2029 | 2034 | rBV2 | 77513 | 170026 | 3.57% | 0.255% |
| 50 | 14.916 | 2042 | 2045 | 2050 | rBV6 | 28596 | 48543 | 1.02% | 0.073% |
| 51 | 14.986 | 2052 | 2057 | 2061 | rBV5 | 88773 | 163197 | 3.43% | 0.244% |
| 52 | 15.192 | 2088 | 2092 | 2097 | rVB | 546468 | 762631 | 16.03% | 1.143% |
| 53 | 15.251 | 2097 | 2102 | 2106 | rBV | 316924 | 465787 | 9.79% | 0.698% |
| 54 | 15.339 | 2113 | 2117 | 2119 | rBV2 | 92023 | 127657 | 2.68% | 0.191% |
| 55 | 15.410 | 2126 | 2129 | 2134 | rBV4 | 59245 | 85038 | 1.79% | 0.127% |
| 56 | 15.469 | 2134 | 2139 | 2148 | rVV4 | 142327 | 278168 | 5.85% | 0.417% |
| 57 | 15.545 | 2148 | 2152 | 2161 | rVB2 | 111271 | 222400 | 4.67% | 0.333% |
| 58 | 15.628 | 2162 | 2166 | 2170 | rBV6 | 30434 | 63101 | 1.33% | 0.095% |
| 59 | 15.692 | 2172 | 2177 | 2184 | rVB4 | 88576 | 200119 | 4.21% | 0.300% |
| 60 | 15.951 | 2213 | 2221 | 2232 | rVB2 | 211582 | 469341 | 9.86% | 0.703% |
| 61 | 16.304 | 2277 | 2281 | 2287 | rBV4 | 72755 | 126895 | 2.67% | 0.190% |
| 62 | 16.604 | 2328 | 2332 | 2341 | rBV2 | 130739 | 193747 | 4.07% | 0.290% |
| 63 | 16.763 | 2355 | 2359 | 2369 | rVB2 | 288233 | 508793 | 10.69% | 0.762% |
| 64 | 16.945 | 2384 | 2390 | 2393 | rBV | 1621893 | 2375197 | 49.91% | 3.558% |
| 65 | 16.986 | 2393 | 2397 | 2402 | rVV | 3424021 | 4592690 | 96.51% | 6.880% |
| 66 | 17.039 | 2402 | 2406 | 2409 | rVV | 639435 | 920342 | 19.34% | 1.379% |
| 67 | 17.075 | 2409 | 2412 | 2418 | rVB | 505887 | 710073 | 14.92% | 1.064% |
| 68 | 17.139 | 2420 | 2423 | 2428 | rVB2 | 80307 | 140866 | 2.96% | 0.211% |
| 69 | 17.351 | 2456 | 2459 | 2469 | rVB | 227520 | 393054 | 8.26% | 0.589% |
| 70 | 17.816 | 2534 | 2538 | 2542 | rBV | 388371 | 538496 | 11.32% | 0.807% |
| 71 | 17.863 | 2542 | 2546 | 2553 | rVB | 523250 | 837595 | 17.60% | 1.255% |

LSC Area Percent Report

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Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.945 | 2557 | 2560 | 2564 | rVV2 | 145831 | 237694 | 4.99% | 0.356% |
| 73 | 18.010 | 2566 | 2571 | 2575 | rVV2 | 572697 | 1034461 | 21.74% | 1.550% |
| 74 | 18.045 | 2575 | 2577 | 2583 | rVB | 284812 | 386866 | 8.13% | 0.580% |
| 75 | 18.322 | 2621 | 2624 | 2628 | rBV | 237478 | 318512 | 6.69% | 0.477% |
| 76 | 18.369 | 2628 | 2632 | 2636 | rVB2 | 340656 | 450286 | 9.46% | 0.675% |
| 77 | 18.569 | 2663 | 2666 | 2670 | rVB2 | 206157 | 242098 | 5.09% | 0.363% |
| 78 | 18.745 | 2692 | 2696 | 2700 | rBV | 227162 | 359298 | 7.55% | 0.538% |
| 79 | 19.010 | 2735 | 2741 | 2747 | rBV | 3538152 | 4758731 | 100.00% | 7.129% |
| 80 | 19.069 | 2748 | 2751 | 2755 | rVB2 | 240537 | 316595 | 6.65% | 0.474% |
| 81 | 19.339 | 2793 | 2797 | 2799 | rBV2 | 1165042 | 1621193 | 34.07% | 2.429% |
| 82 | 19.369 | 2799 | 2802 | 2811 | rVB | 2978733 | 4020713 | 84.49% | 6.023% |
| 83 | 19.792 | 2870 | 2874 | 2878 | rBV | 1516084 | 1775321 | 37.31% | 2.660% |
| 84 | 19.868 | 2884 | 2887 | 2891 | rVB | 487160 | 580108 | 12.19% | 0.869% |
| 85 | 19.968 | 2901 | 2904 | 2908 | rVB | 366125 | 406567 | 8.54% | 0.609% |
| 86 | 20.457 | 2983 | 2987 | 2990 | rVB2 | 507497 | 610158 | 12.82% | 0.914% |
| 87 | 20.621 | 3011 | 3015 | 3021 | rVB2 | 572182 | 781892 | 16.43% | 1.171% |
| 88 | 20.739 | 3032 | 3035 | 3039 | rBV3 | 309985 | 477608 | 10.04% | 0.716% |
| 89 | 20.780 | 3039 | 3042 | 3046 | rVV | 297606 | 385541 | 8.10% | 0.578% |
| 90 | 20.857 | 3052 | 3055 | 3060 | rBV3 | 309966 | 470964 | 9.90% | 0.706% |
| 91 | 20.992 | 3074 | 3078 | 3082 | rBV3 | 1050212 | 1474406 | 30.98% | 2.209% |
| 92 | 21.045 | 3083 | 3087 | 3091 | rVV | 3623414 | 4062125 | 85.36% | 6.086% |
| 93 | 21.092 | 3091 | 3095 | 3097 | rVV | 1207508 | 1568522 | 32.96% | 2.350% |
| 94 | 21.127 | 3097 | 3101 | 3105 | rVV2 | 2210629 | 4110316 | 86.37% | 6.158% |
| 95 | 21.168 | 3105 | 3108 | 3118 | rVB | 1260671 | 1746439 | 36.70% | 2.616% |
| 96 | 21.345 | 3136 | 3138 | 3142 | rVB3 | 392393 | 412818 | 8.67% | 0.618% |
| 97 | 21.874 | 3224 | 3228 | 3235 | rVB | 1933586 | 2633969 | 55.35% | 3.946% |
| 98 | 22.645 | 3355 | 3359 | 3364 | rBV2 | 794622 | 1496697 | 31.45% | 2.242% |
| 99 | 23.192 | 3448 | 3452 | 3460 | rVB | 730703 | 1343321 | 28.23% | 2.012% |
| 100 | 23.286 | 3463 | 3468 | 3473 | rVV2 | 1022777 | 1688782 | 35.49% | 2.530% |

Sum of corrected areas: 66750667

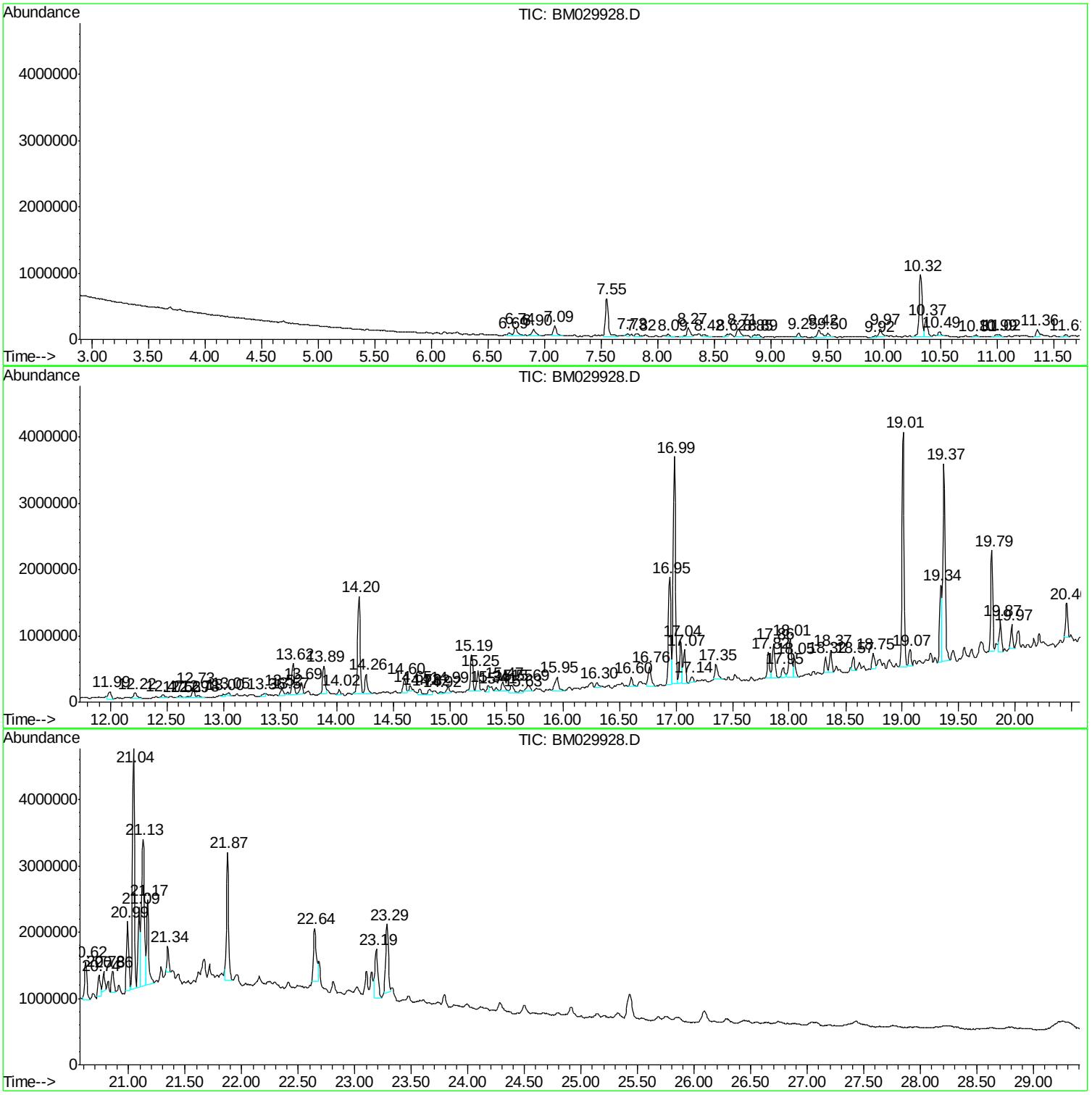
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

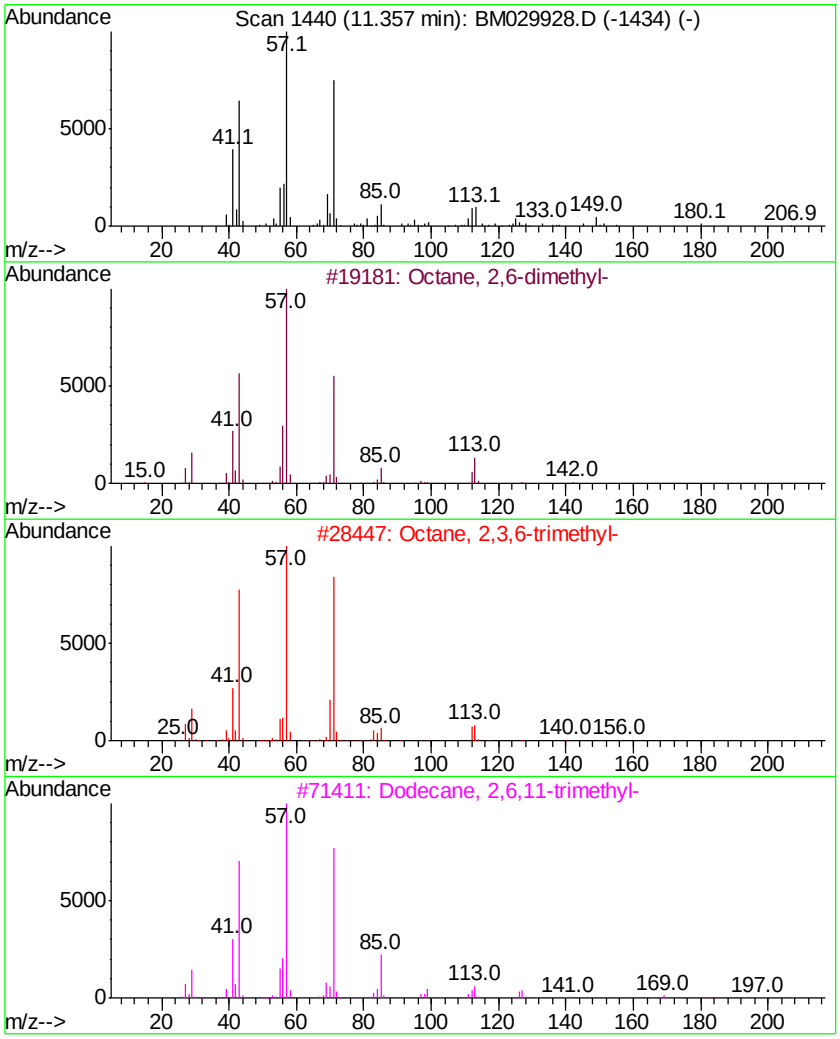
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

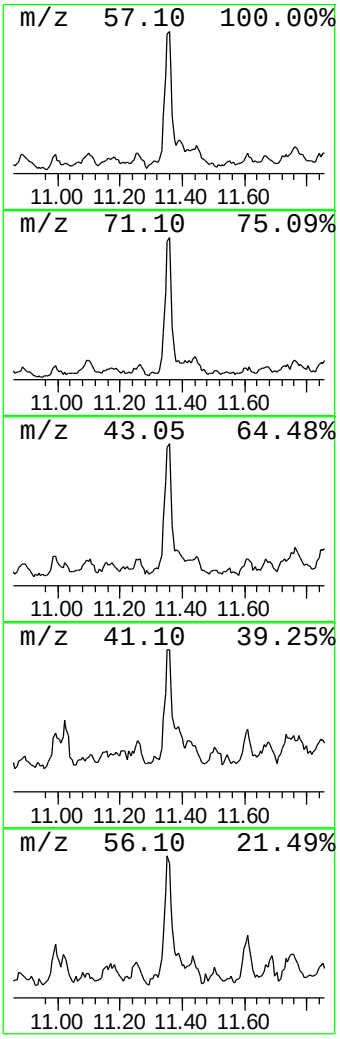
**********

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.36 | 2.35 ng/ul | 189691 | Naphthalene-d8 | 10.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 78 |
| 2 | Octane, 2,3,6-trimethyl- | 156 | C11H24 | 062016-33-5 | 72 |
| 3 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 72 |
| 4 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 72 |
| 5 | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4 | 1000309-38-4 | 59 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

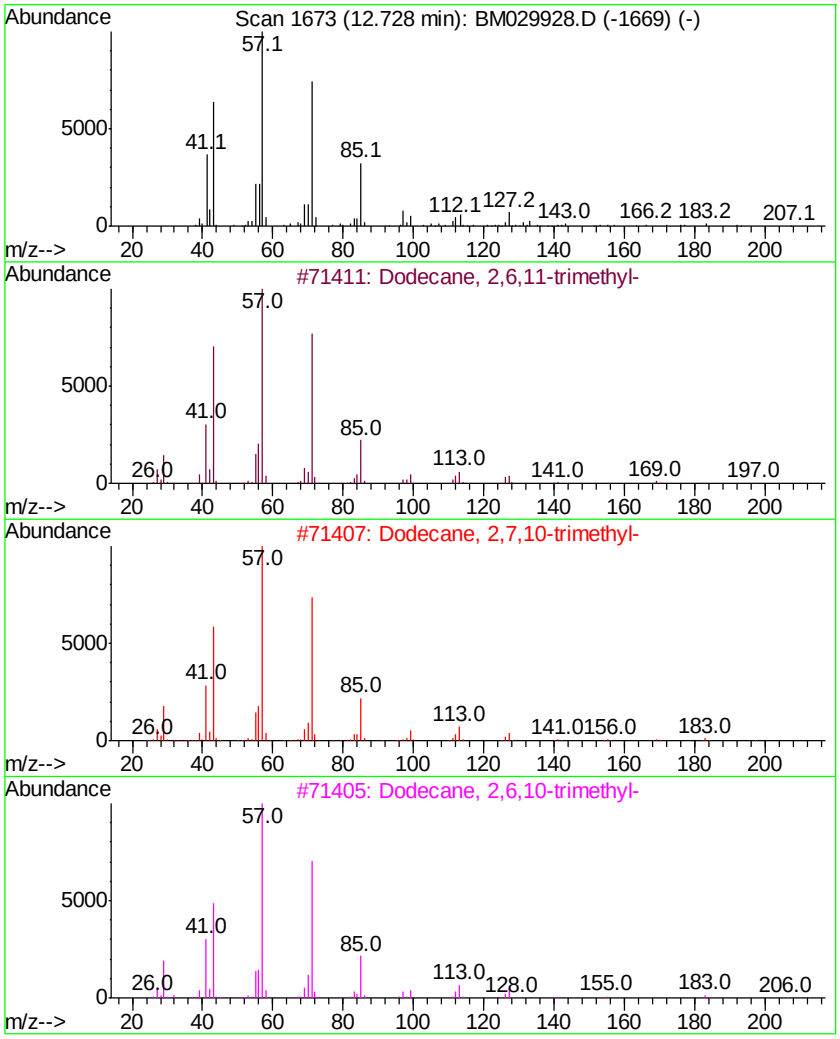
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

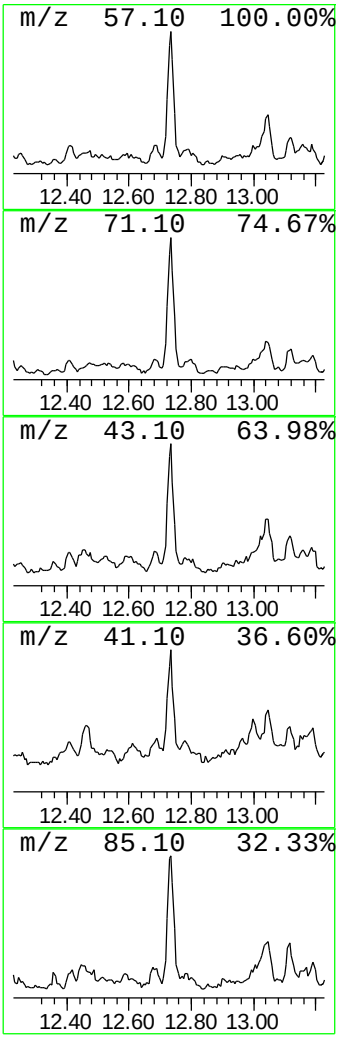
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.73 | 2.04 ng/ul | 229597 | Acenaphthene-d10 | 14.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 90 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 90 |
| 3 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 86 |
| 4 | Oxalic acid, 2-ethylhexyl isohex... | 286 | C16H30O4 | 1000309-38-8 | 72 |
| 5 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

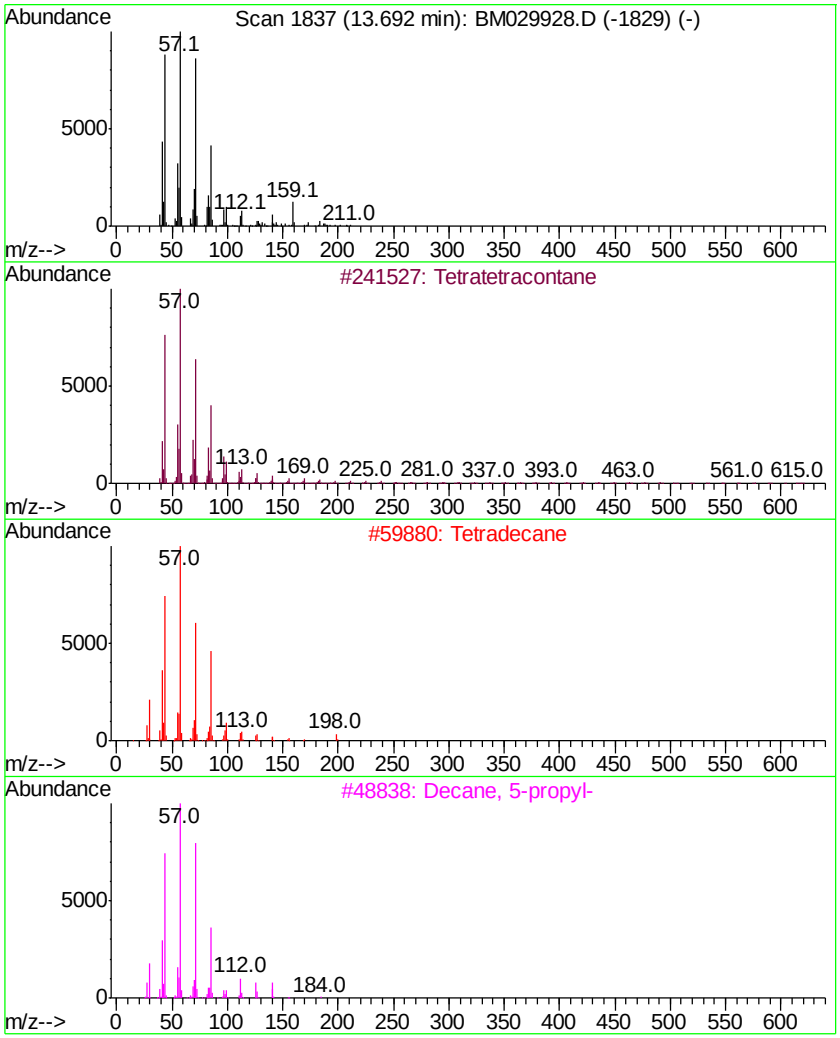
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

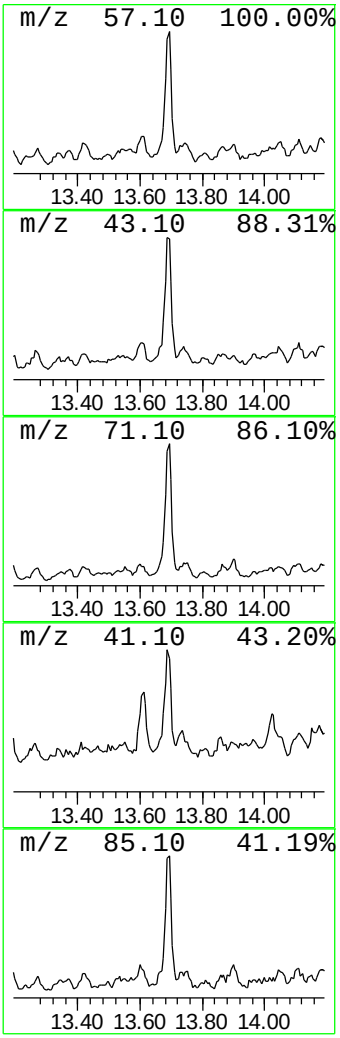
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.69 | 2.44 ng/ul | 274218 | Acenaphthene-d10 | 14.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 78 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 3 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 59 |
| 4 | Nonane, 1-iodo- | 254 | C9H19I | 004282-42-2 | 53 |
| 5 | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4 | 1000309-73-0 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
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Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
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**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

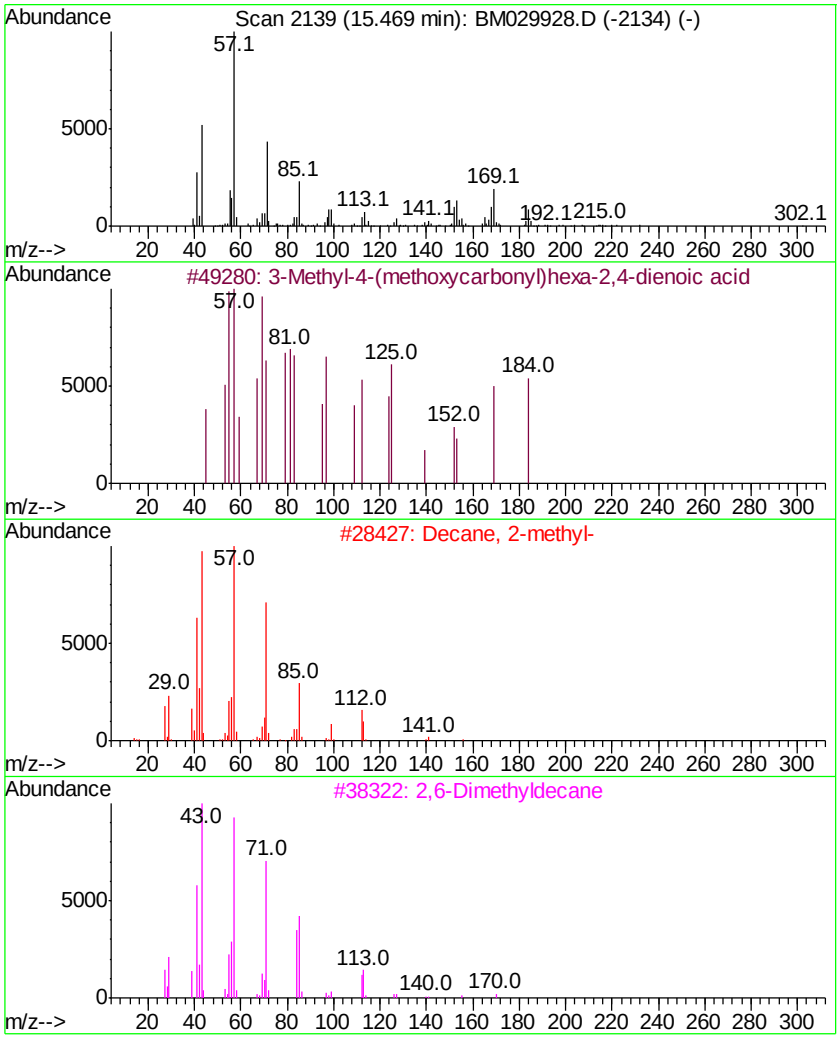
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

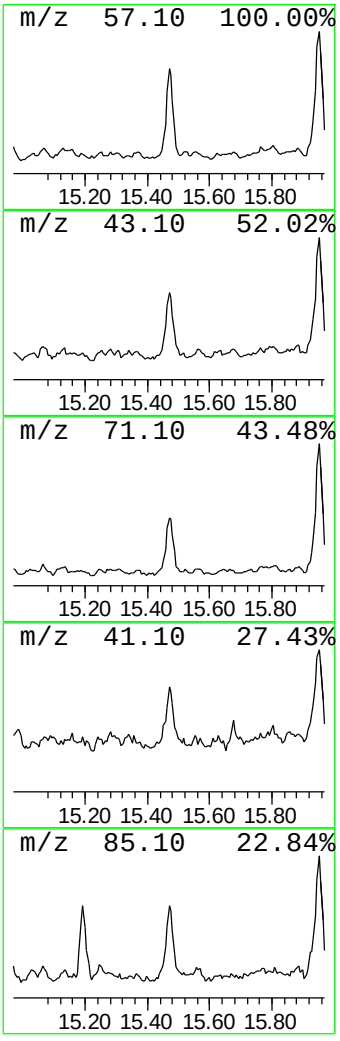
**********

Peak Number 4 3-Methyl-4-(methoxycarbonyl... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.47 | 2.48 ng/ul | 278168 | Acenaphthene-d10 | 14.20 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methyl-4-(methoxycarbonyl)hexa... | 184 | C9H12O4 | 1000104-10-8 | 92 |
| 2 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 50 |
| 3 | 2,6-Dimethyldecane | 170 | C12H26 | 013150-81-7 | 50 |
| 4 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 49 |
| 5 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 46 |



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Acq On : 11 May 2021 05:48
Operator : CG/JU
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Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

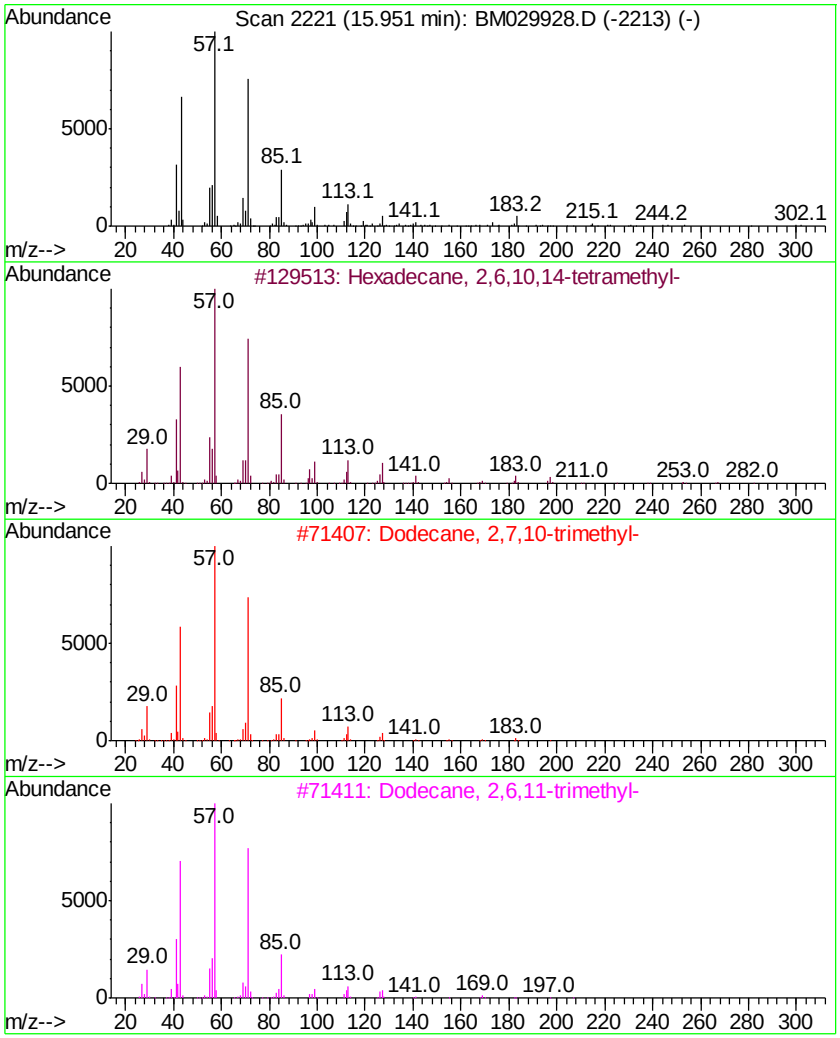
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

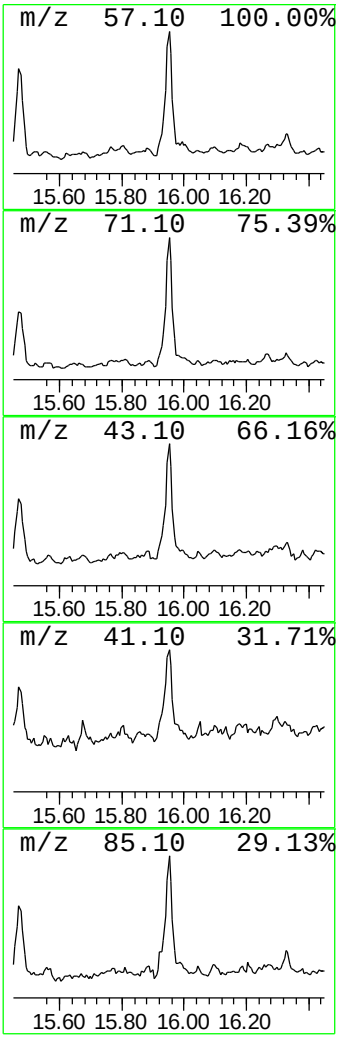
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.95 | 3.95 ng/ul | 469341 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 90 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 90 |
| 3 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 86 |
| 4 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 86 |
| 5 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

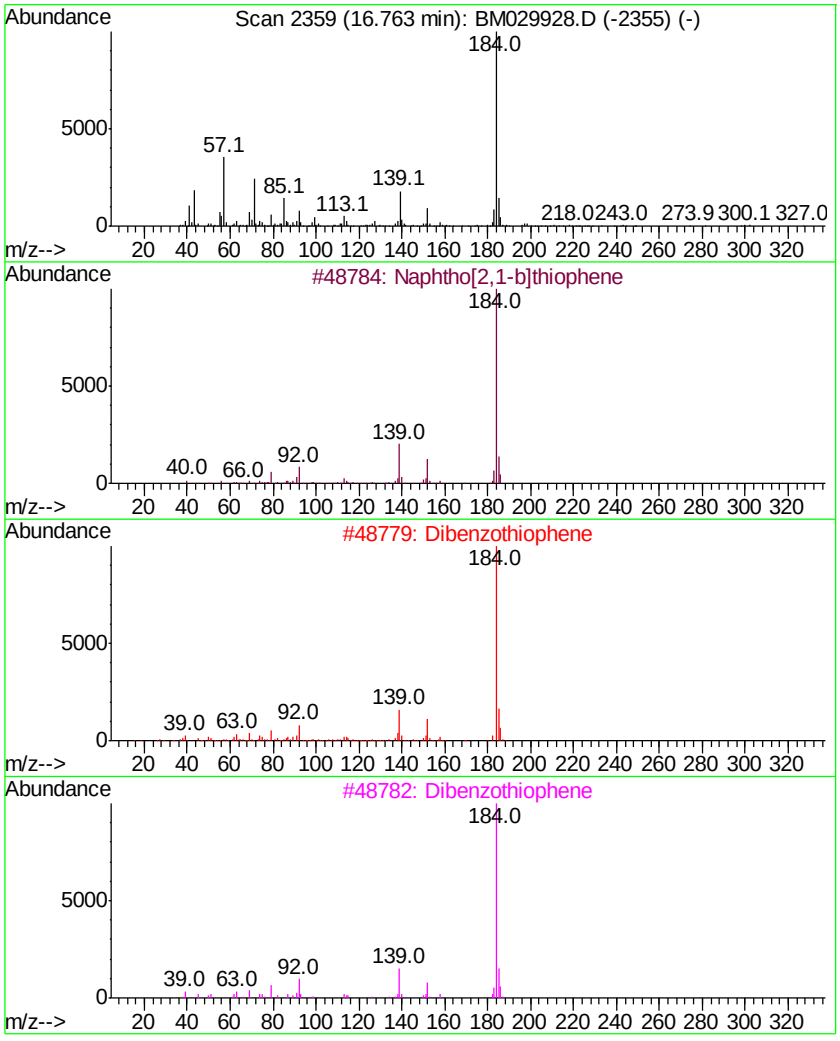
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

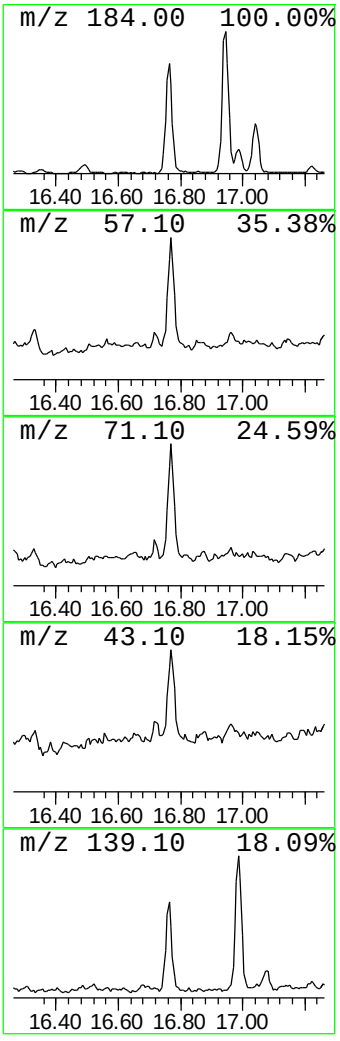
**********

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.76 | 4.28 ng/ul | 508793 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 89 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 89 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 89 |
| 4 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 86 |
| 5 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 76 |



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

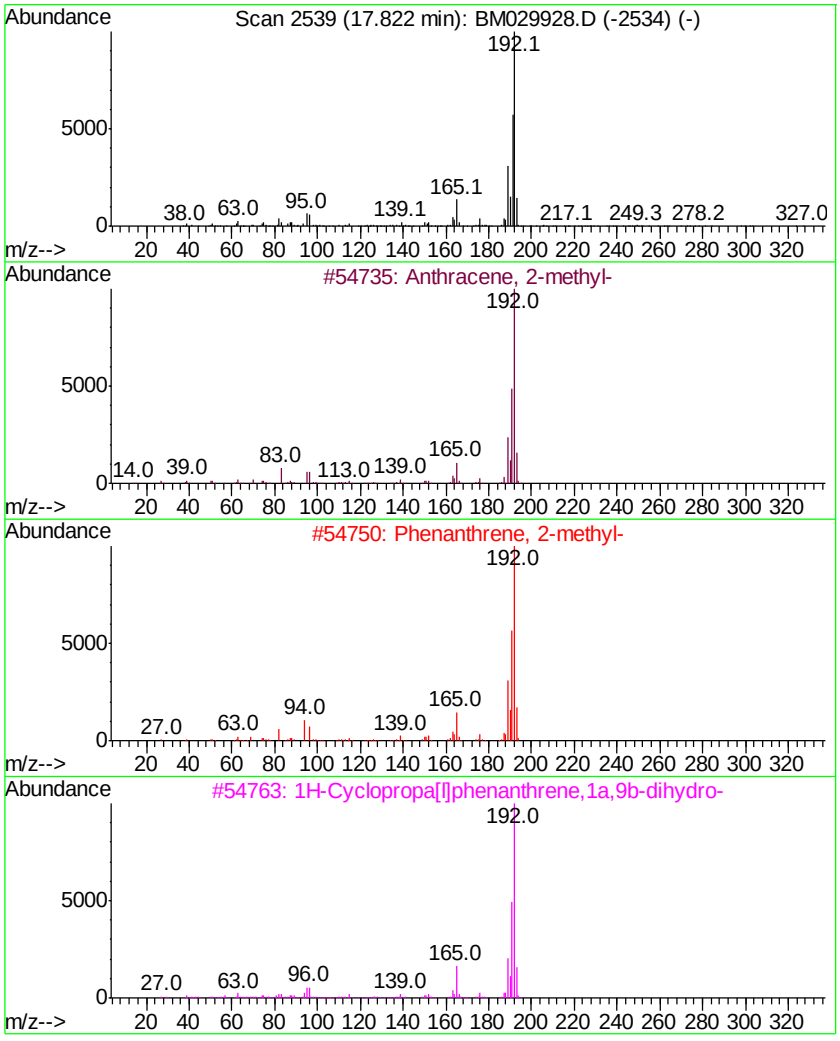
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

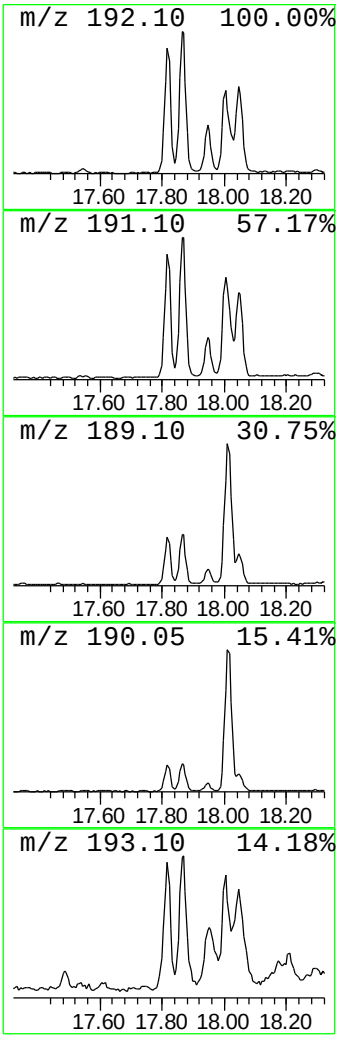
**********

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.82 | 4.53 ng/ul | 538496 | Phenanthrene-d10 | 16.95 |

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



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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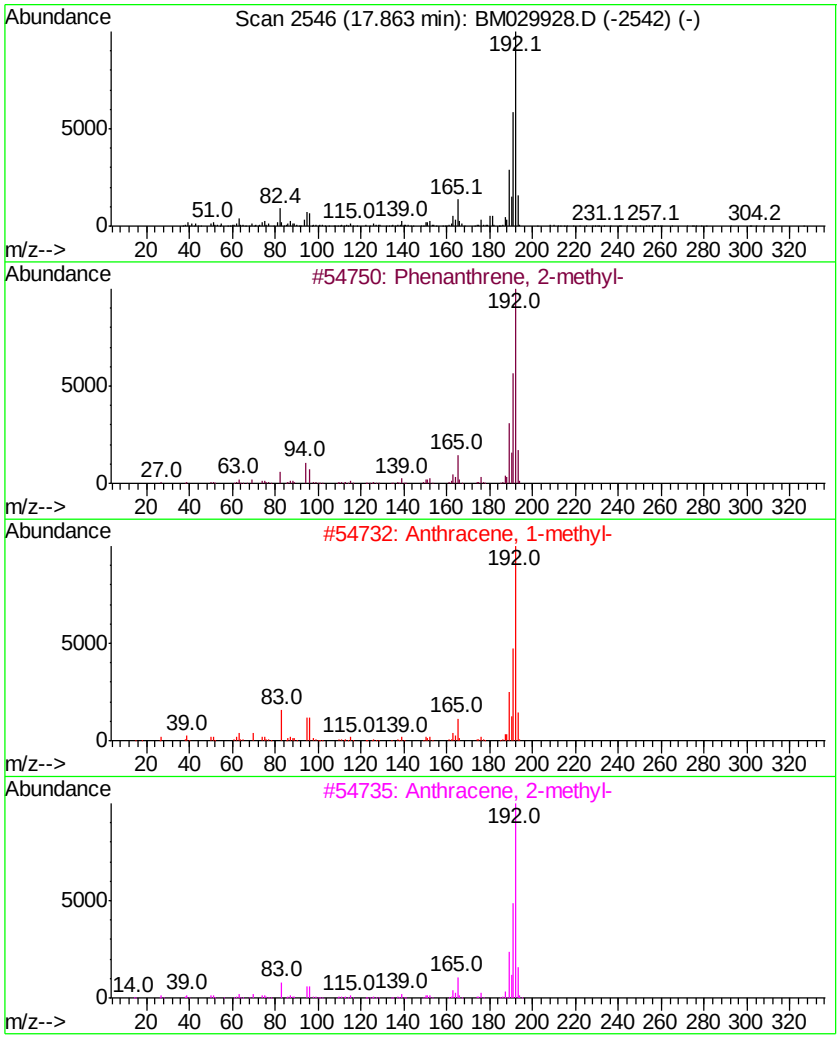
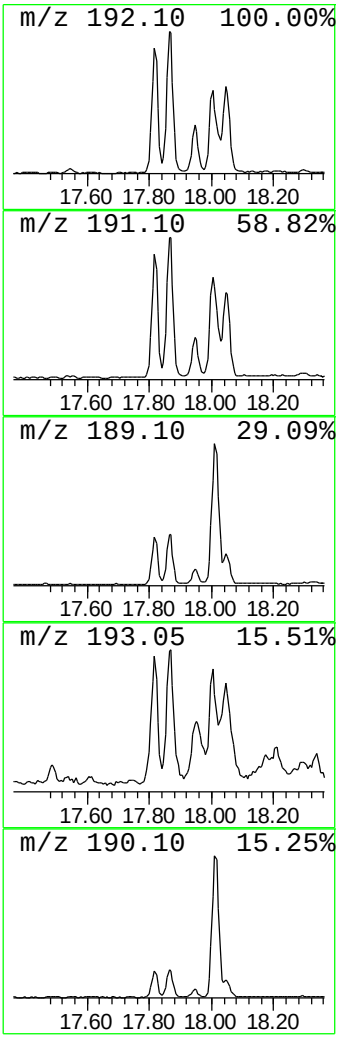
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.86 | 7.05 ng/ul | 837595 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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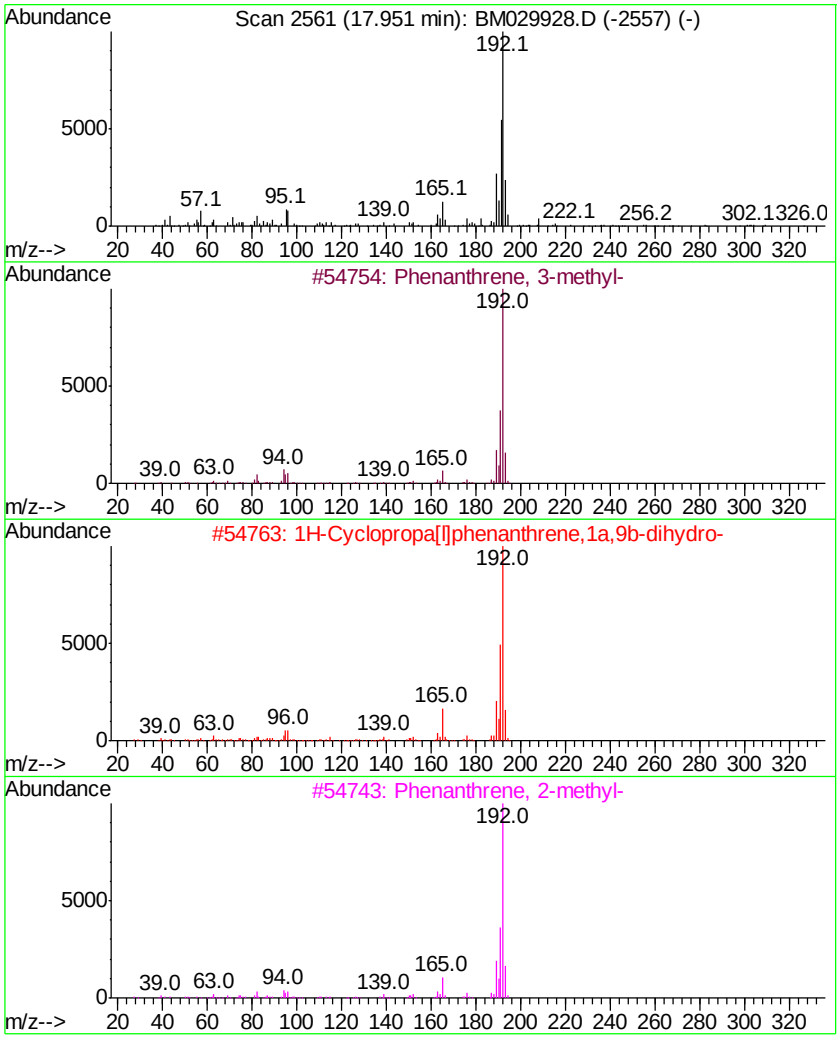
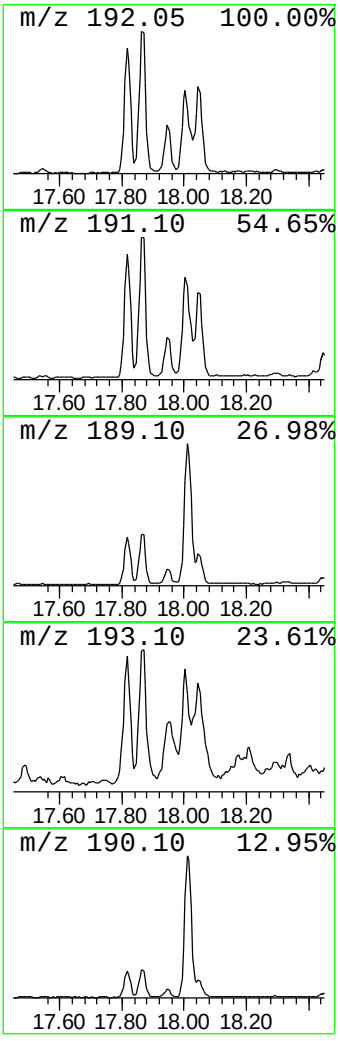
Peak Number 9 Phenanthrene, 3-methyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.95 | 2.00 ng/ul | 237694 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 95 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 4 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 93 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 91 |



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Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

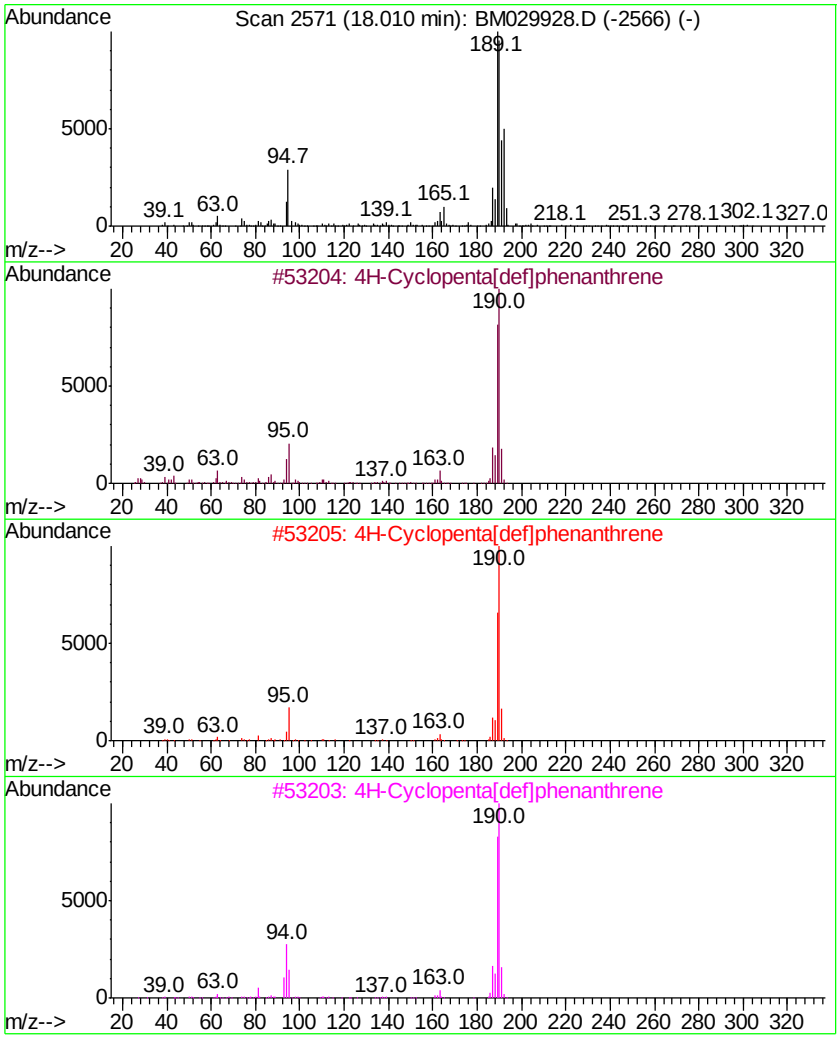
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

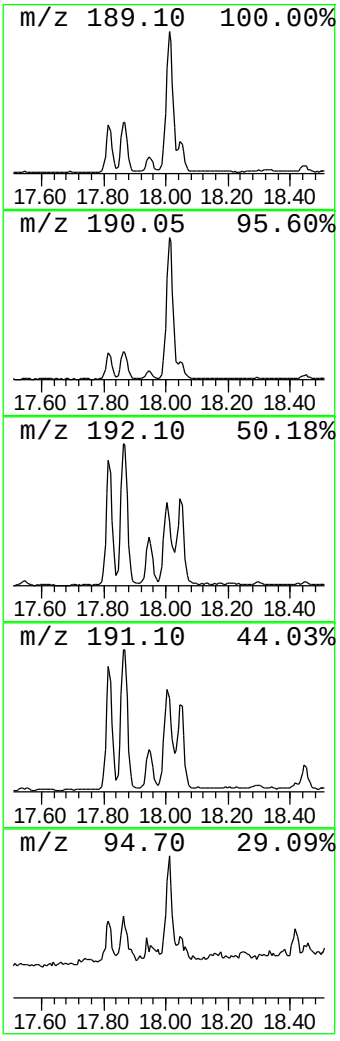
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.01 | 8.71 ng/ul | 1034460 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 83 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 68 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 4 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 47 |
| 5 | Naphtho[1,2-b]norbornadiene | 192 | C15H12 | 1000210-14-8 | 38 |



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Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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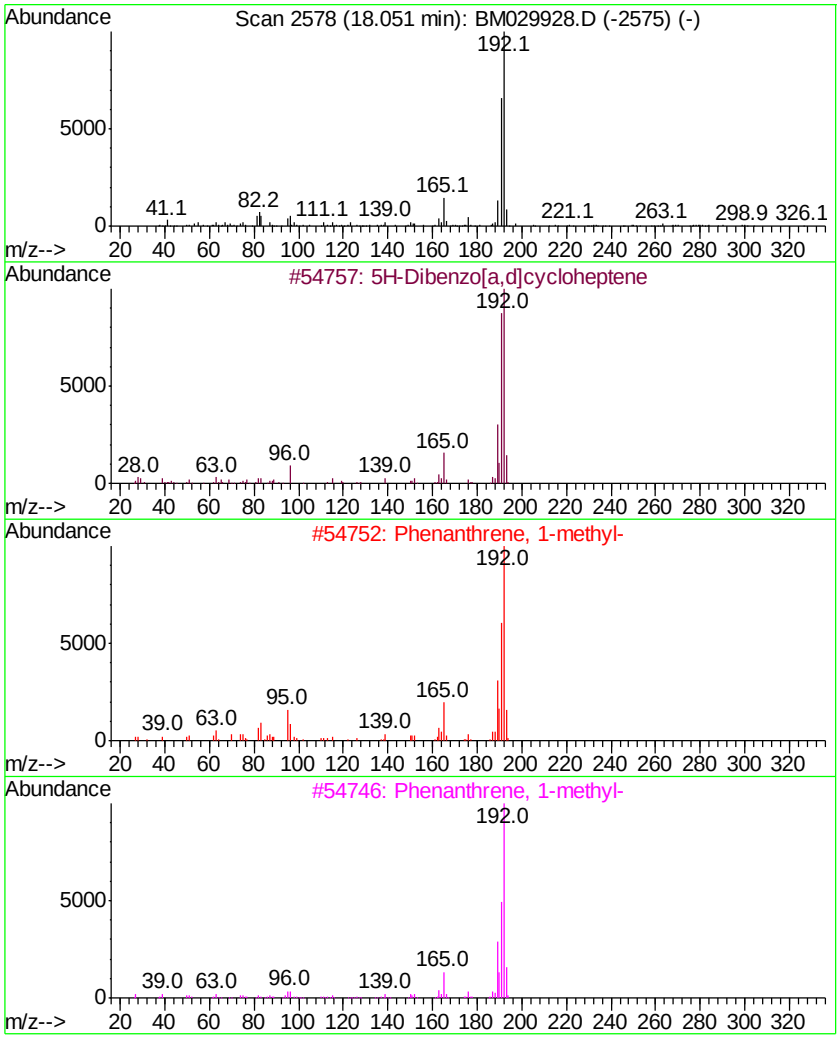
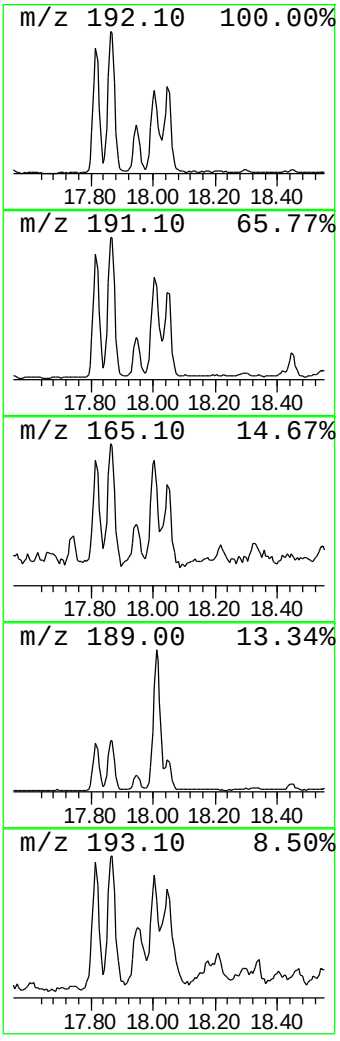
Peak Number 11 5H-Dibenzo[a,d]cycloheptene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 3.26 ng/ul | 386866 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 86 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 83 |
| 4 | Phenanthrene, 9-methyl- | 192 | C15H12 | 000883-20-5 | 81 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 81 |



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Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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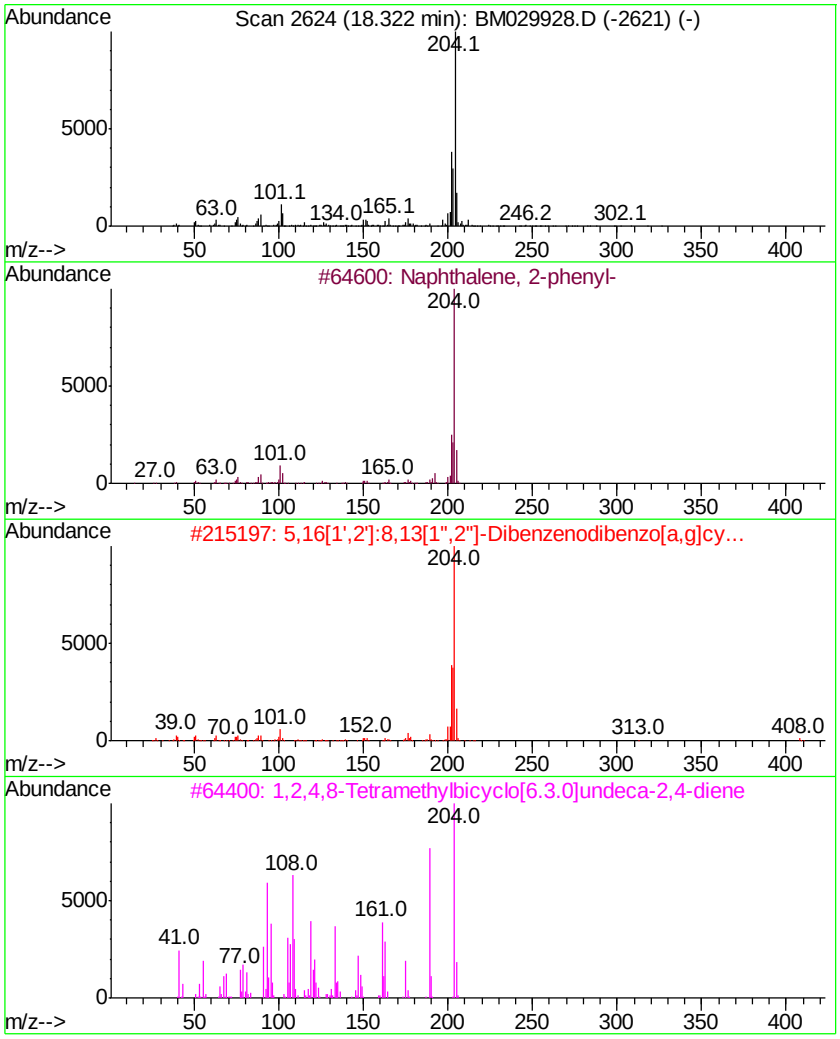
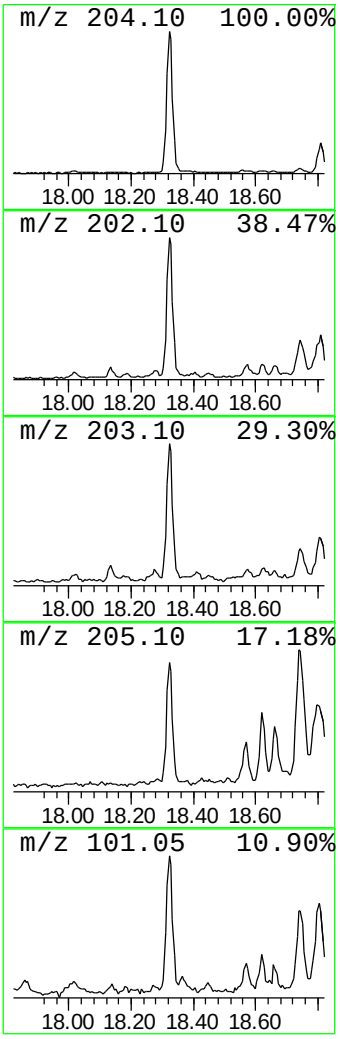
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.32 | 2.68 ng/ul | 318512 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 93 |
| 2 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 90 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 86 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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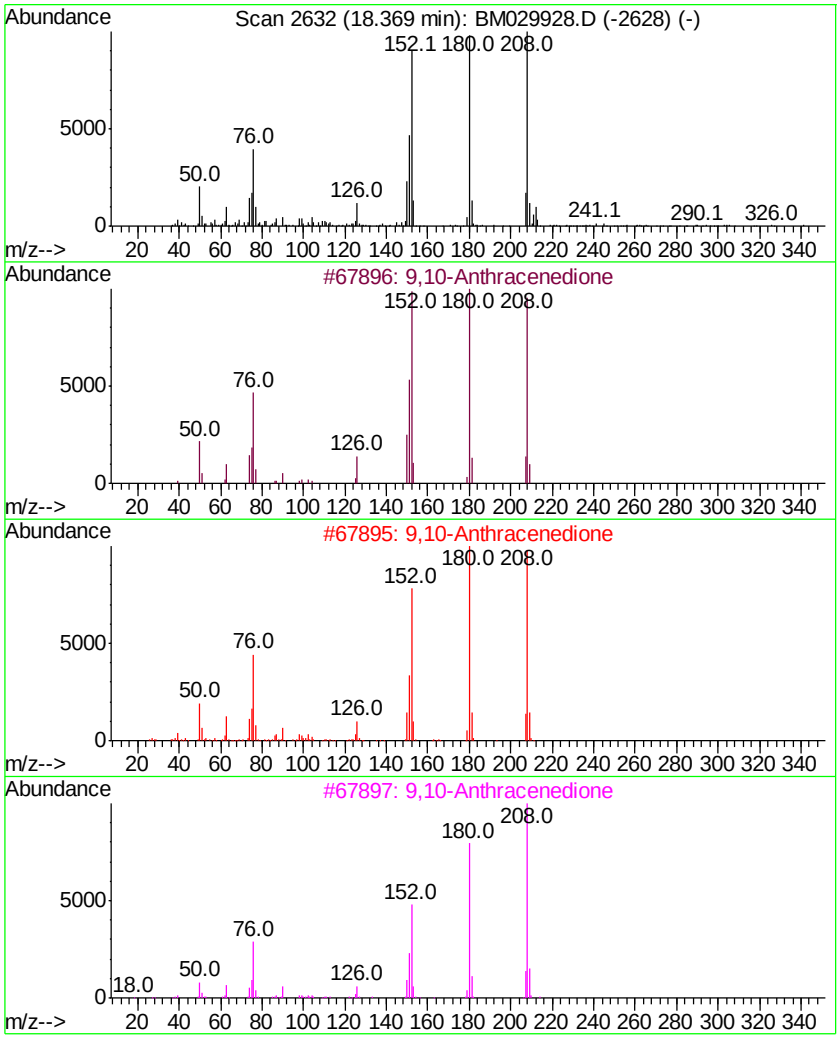
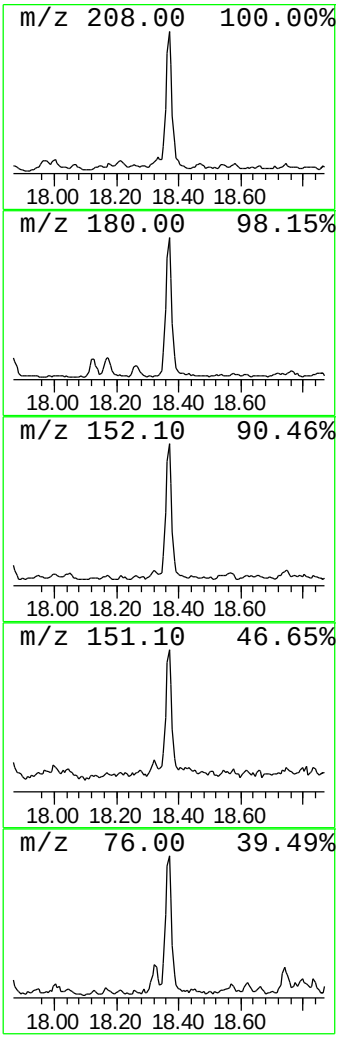
Peak Number 13 9,10-Anthracenedione Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.37 | 3.79 ng/ul | 450286 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 99 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 64 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 62 |



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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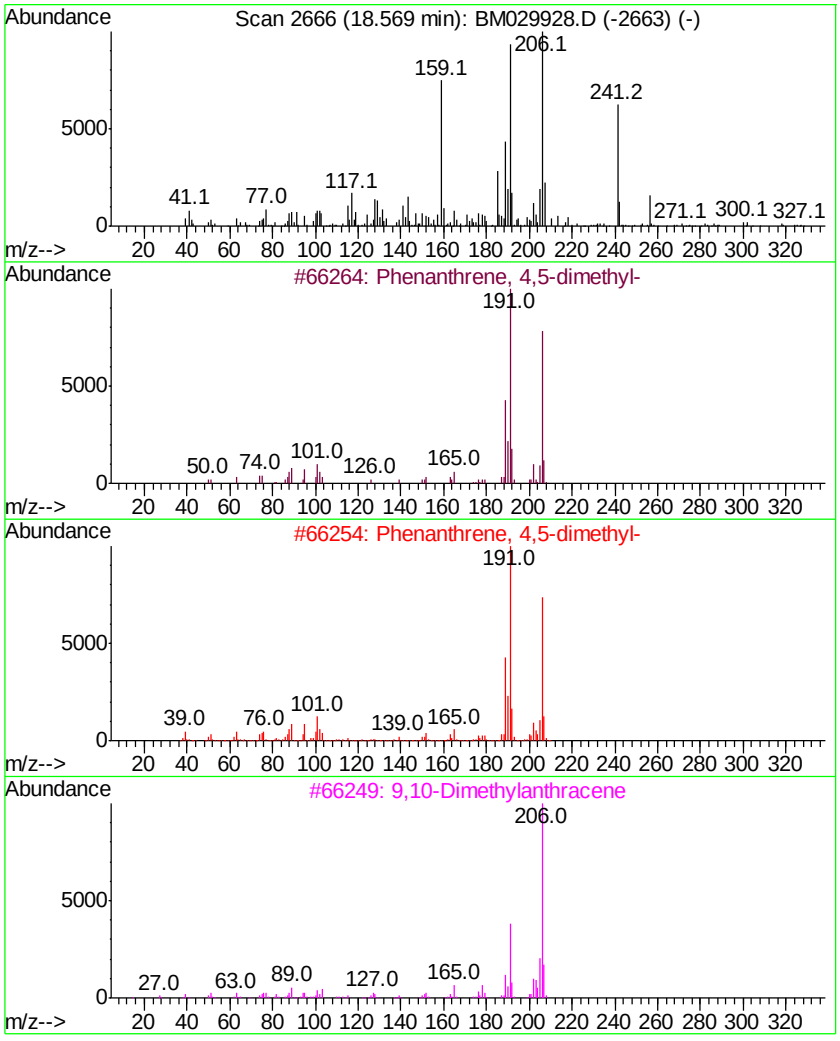
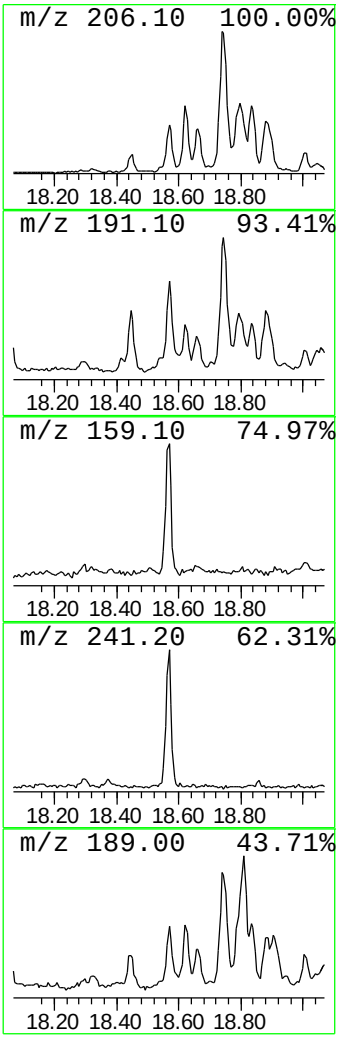
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.57 | 2.04 ng/ul | 242098 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 91 |
| 2 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 55 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 55 |
| 4 | Phenanthrene, 9-ethyl- | 206 | C16H14 | 003674-75-7 | 50 |
| 5 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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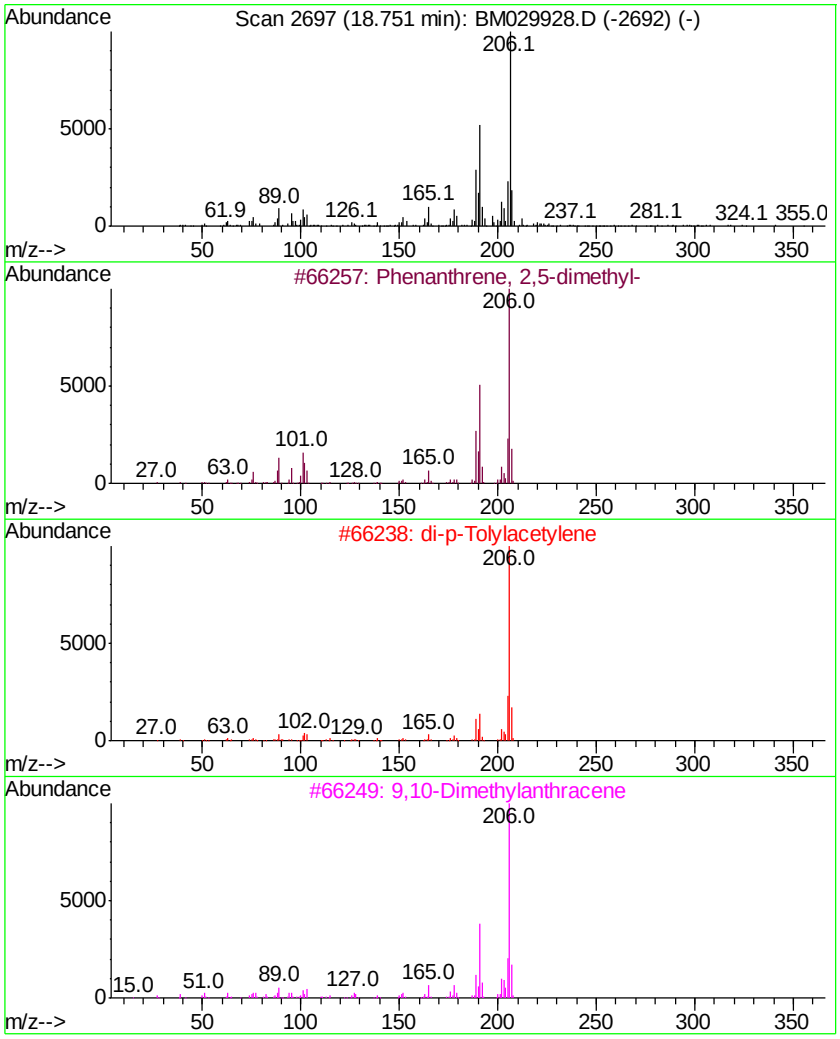
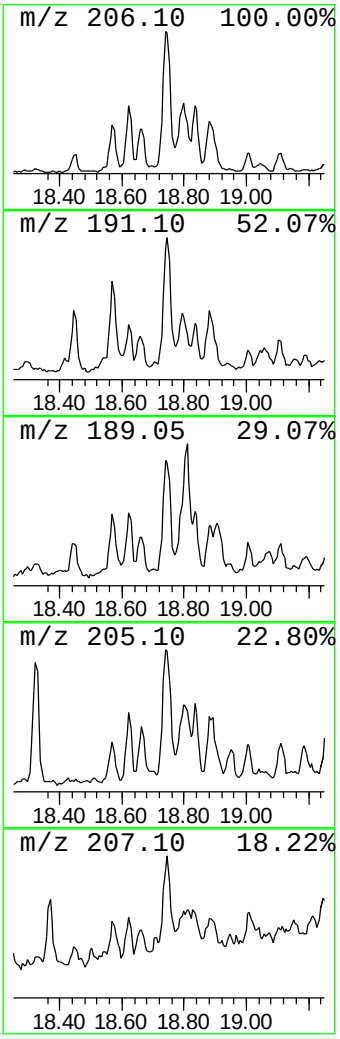
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.75 | 3.03 ng/ul | 359298 | Phenanthrene-d10 | 16.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 97 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 91 |



Library Search Compound Report

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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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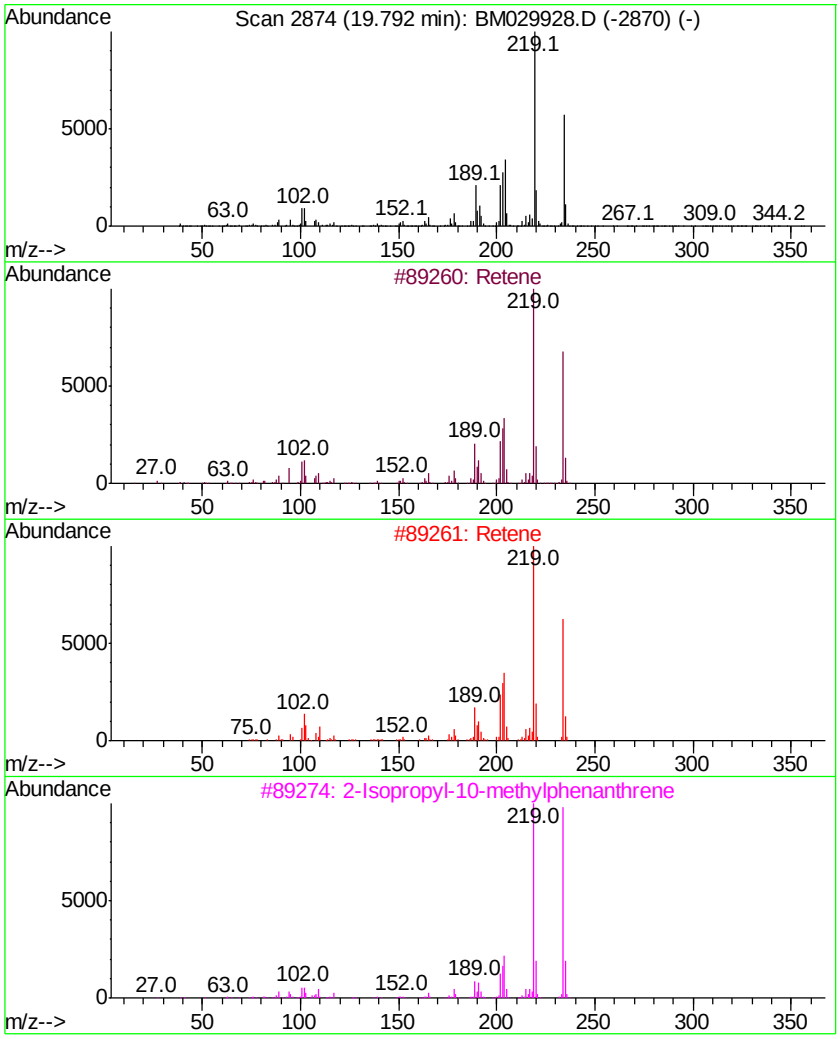
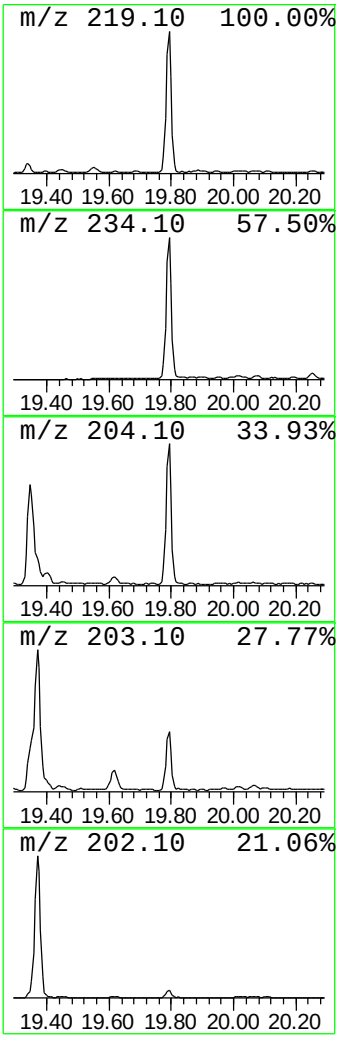
Peak Number 16 Retene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.79 | 8.64 ng/ul | 1775320 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Retene | 234 | C18H18 | 000483-65-8 | 99 |
| 2 | Retene | 234 | C18H18 | 000483-65-8 | 98 |
| 3 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 93 |
| 4 | Retene | 234 | C18H18 | 000483-65-8 | 78 |
| 5 | Anthracene, 2-(1,1-dimethylethyl)- | 234 | C18H18 | 018801-00-8 | 59 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

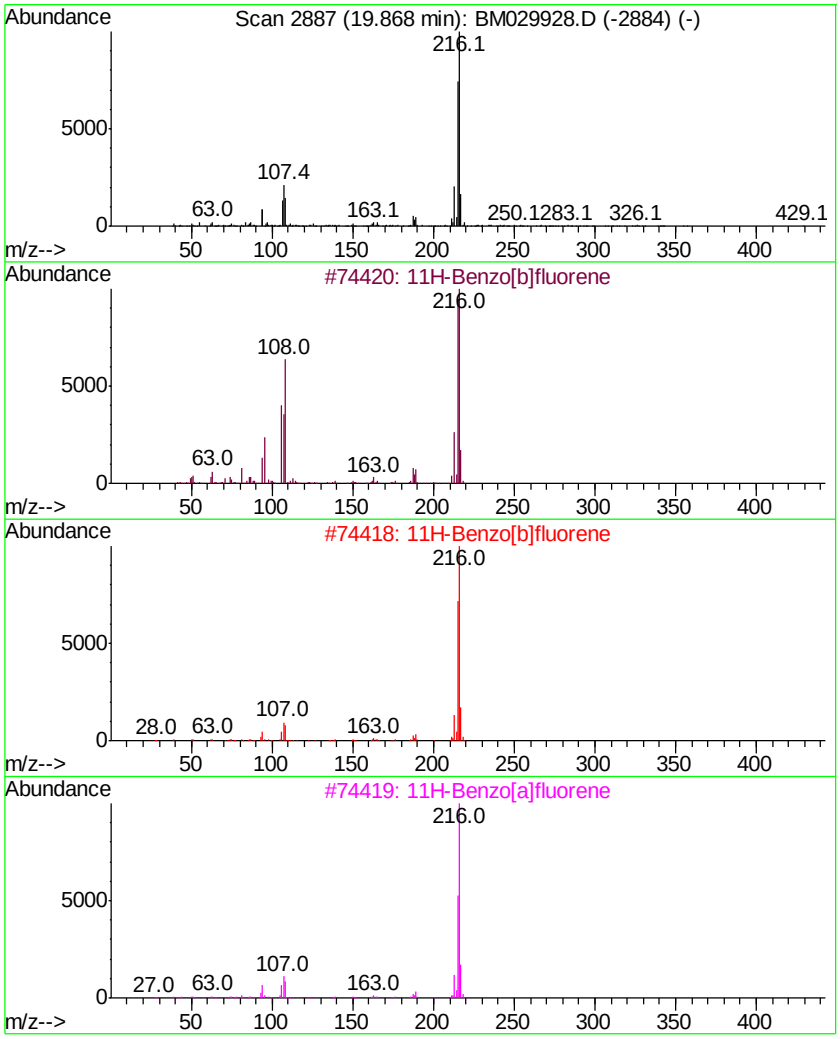
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

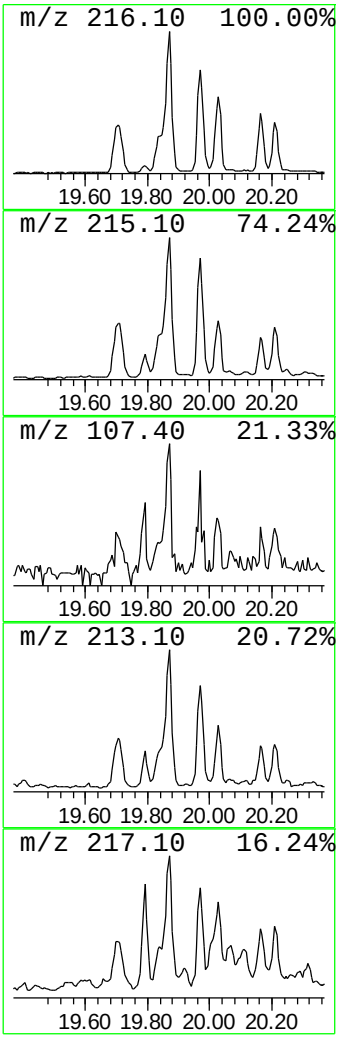
**********

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.87 | 2.82 ng/ul | 580108 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 90 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

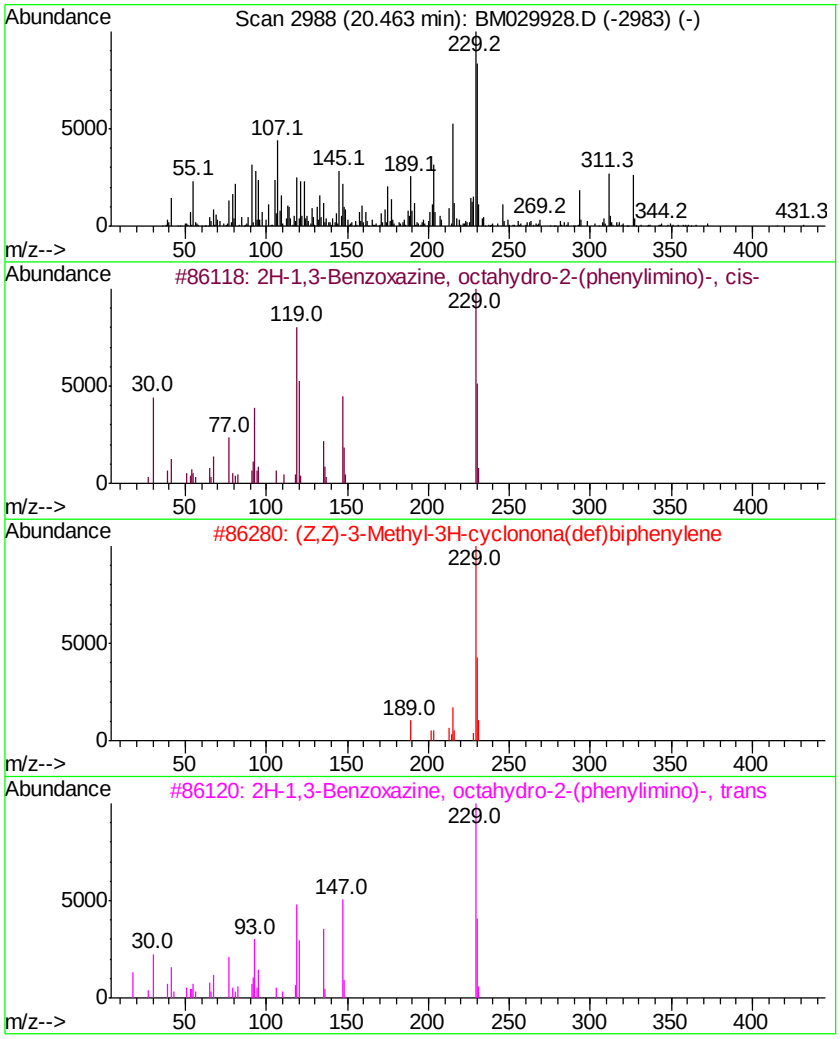
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

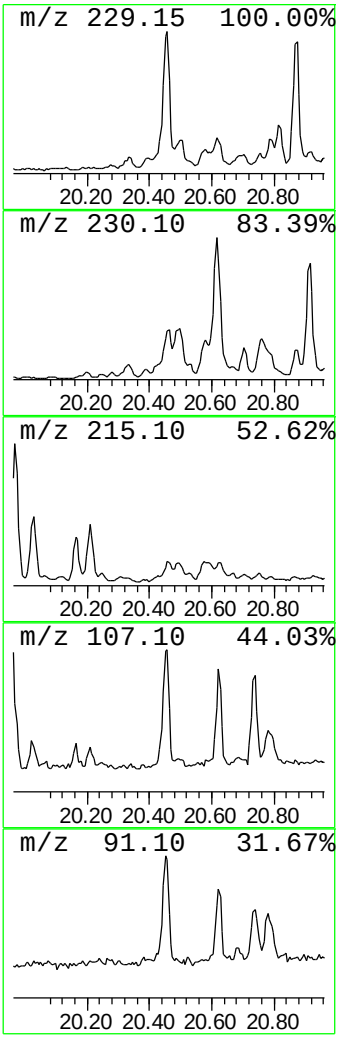
**********

Peak Number 18 unknown-01 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.46 | 2.97 ng/ul | 610158 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-1,3-Benzoxazine, octahydro-2-... | 230 | C14H18N2O | 1000138-91-9 | 38 |
| 2 | (Z,Z)-3-Methyl-3H-cyclonona(def)... | 230 | C18H14 | 110823-80-8 | 38 |
| 3 | 2H-1,3-Benzoxazine, octahydro-2-... | 230 | C14H18N2O | 1000138-91-8 | 30 |
| 4 | Benz[a]anthracene, 7,12-dihydro- | 230 | C18H14 | 016434-59-6 | 27 |
| 5 | 1-Dichloromethyldimethylsilyloxy... | 312 | C14H30Cl2OSi | 1000283-10-7 | 16 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

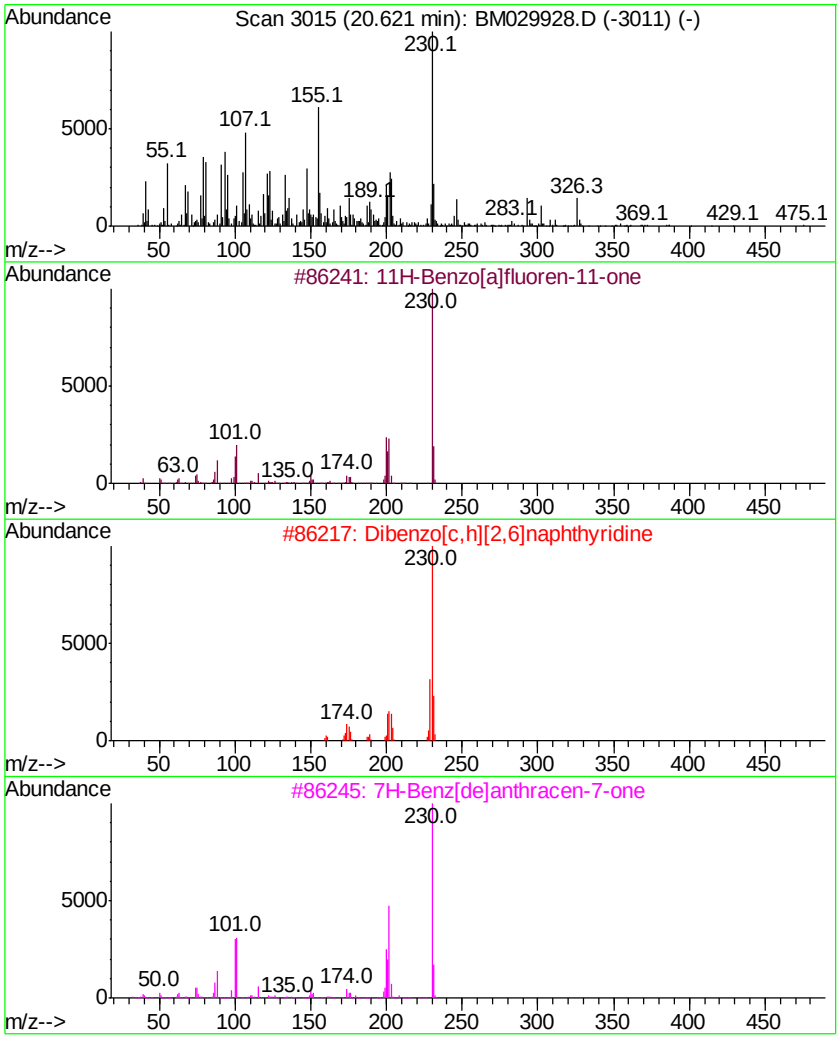
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

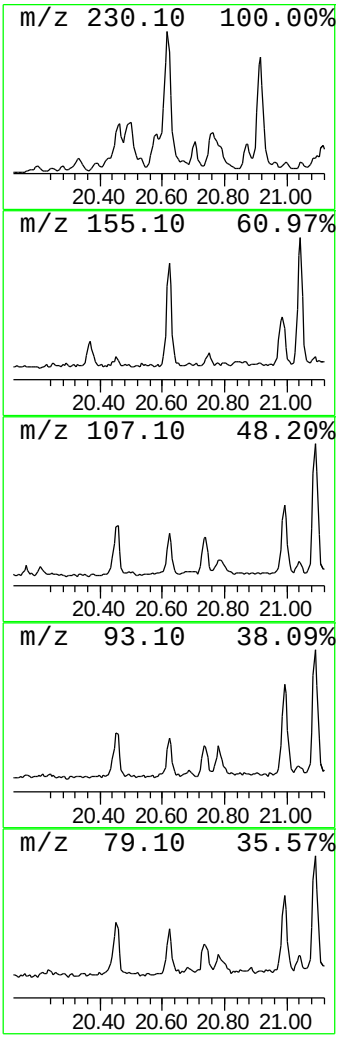
**********

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.62 | 3.80 ng/ul | 781892 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 62 |
| 2 | Dibenzo[c,h][2,6]naphthyridine | 230 | C16H10N2 | 000218-30-4 | 58 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 46 |
| 4 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 42 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 38 |



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Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

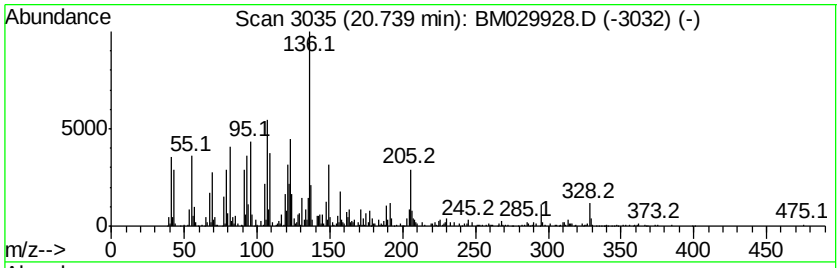
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

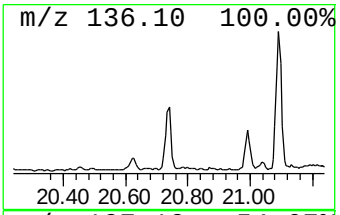
**********

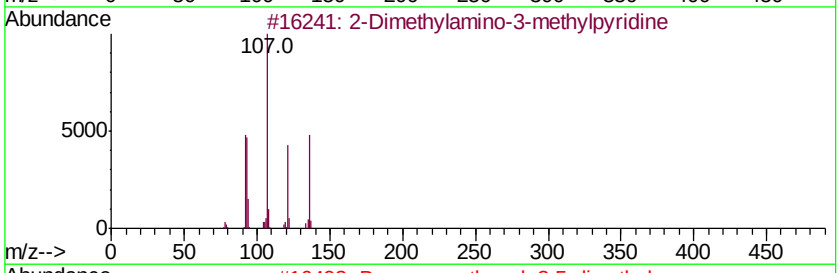
Peak Number 20 unknown-02 Concentration Rank 19

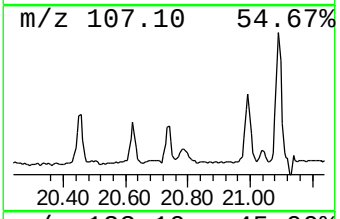
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.74 | 2.32 ng/ul | 477608 | Chrysene-d12 | 21.13 |

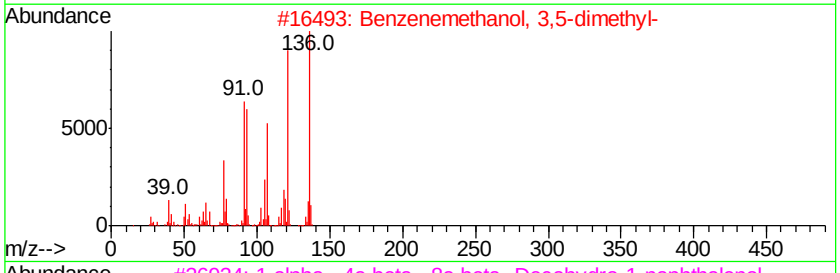
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Dimethylamino-3-methylpyridine | 136 | C8H12N2 | 061713-46-0 | 42 |
| 2 | Benzenemethanol, 3,5-dimethyl- | 136 | C9H12O | 027129-87-9 | 38 |
| 3 | 1.alpha., 4a.beta., 8a.beta.-Dec... | 154 | C10H18O | 002529-05-7 | 35 |
| 4 | 10,10-Dimethyl-2,6-dimethylenebi... | 220 | C15H24O | 019431-80-2 | 30 |
| 5 | cis-2-(2-Pentenyl)furan | 136 | C9H12O | 070424-13-4 | 27 |

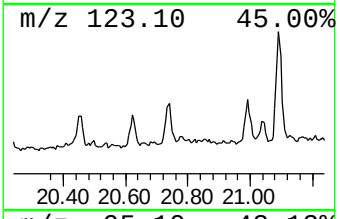


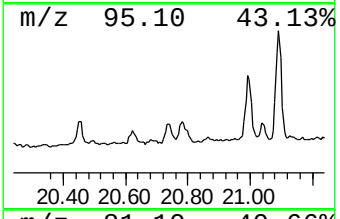



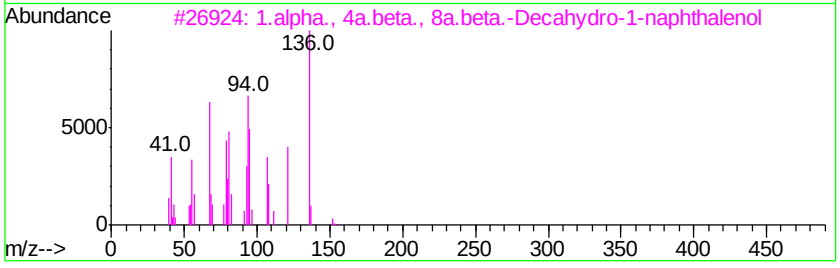



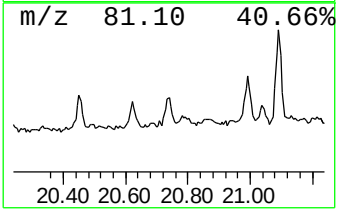



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

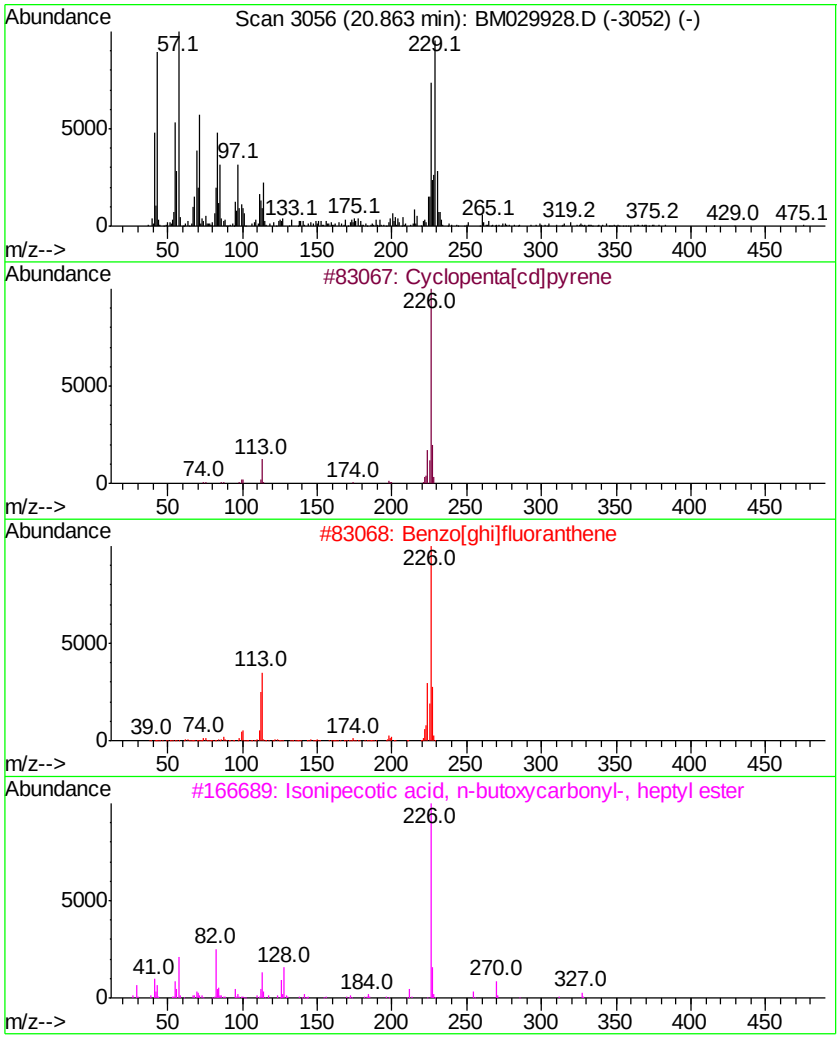
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

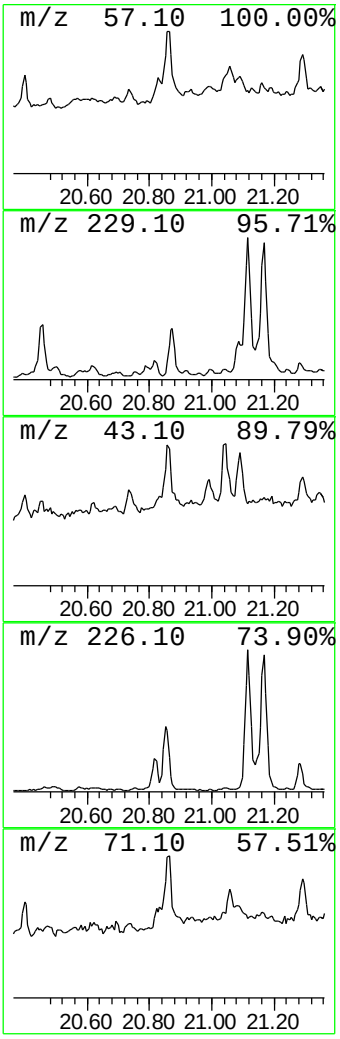
**********

Peak Number 21 Cyclopenta[cd]pyrene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.86 | 2.29 ng/ul | 470964 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 64 |
| 2 | Benzo[ghi]fluoranthene | 226 | C18H10 | 000203-12-3 | 64 |
| 3 | Isonipecotic acid, n-butoxycarbo... | 327 | C18H33NO4 | 1000322-05-2 | 43 |
| 4 | Benzene, [4-(3-ethynylphenyl)-1,... | 226 | C18H10 | 1000115-87-3 | 43 |
| 5 | Diheptylisobutylamine | 269 | C18H39N | 1000310-32-0 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

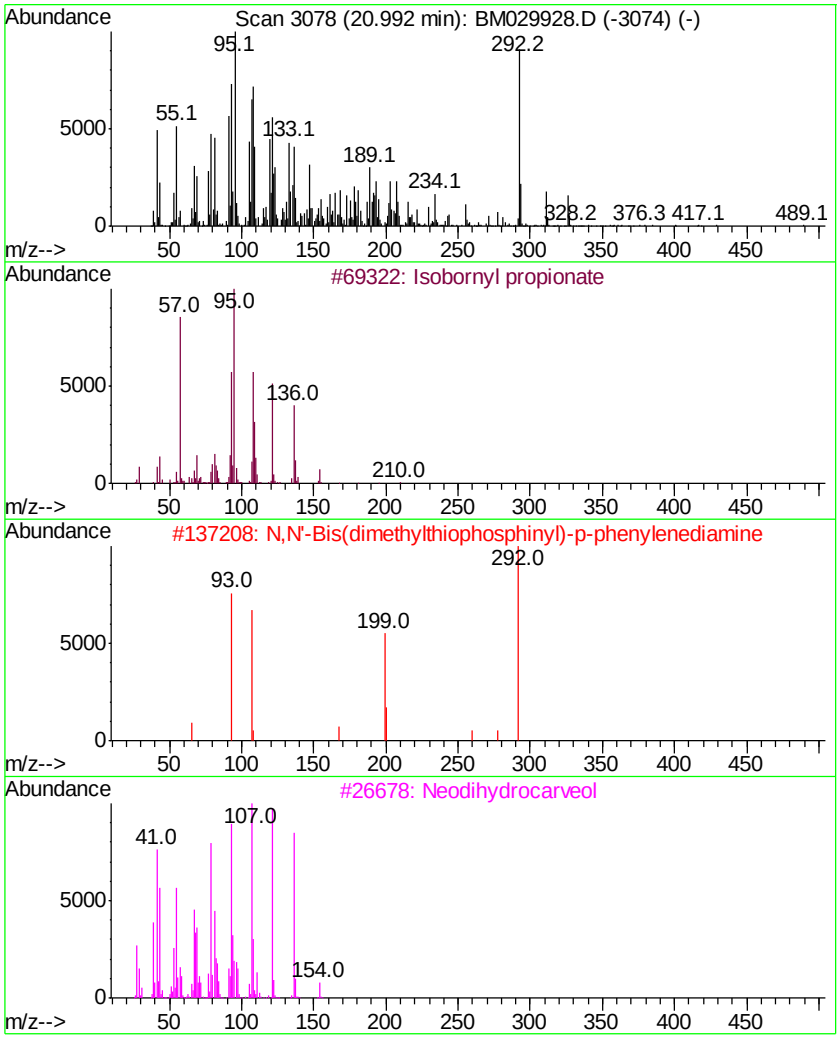
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

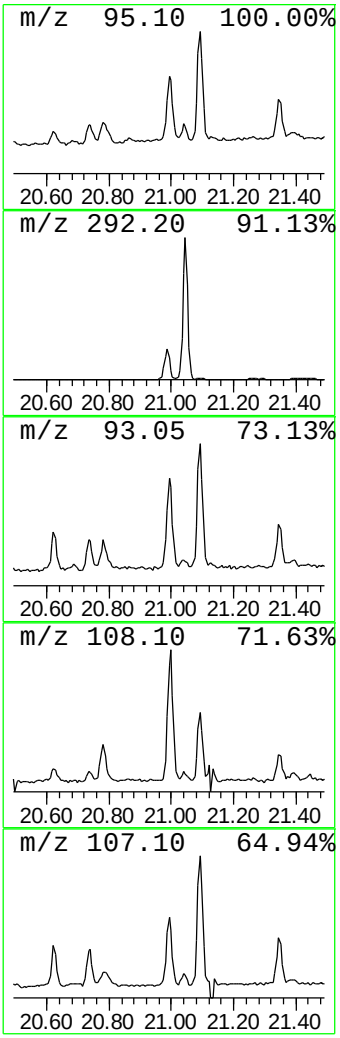
**********

Peak Number 22 Isobornyl propionate Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.99 | 7.17 ng/ul | 1474410 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isobornyl propionate | 210 | C13H22O2 | 002756-56-1 | 70 |
| 2 | N,N'-Bis(dimethylthiophosphinyl)... | 292 | C10H18N2P2S2 | 1000074-00-9 | 30 |
| 3 | Neodihydrocarveol | 154 | C10H18O | 018675-34-8 | 30 |
| 4 | Cyclohexene, 5-methyl-3-(1-methy... | 136 | C10H16 | 056816-08-1 | 22 |
| 5 | .alpha.-Ionone | 192 | C13H20O | 000127-41-3 | 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

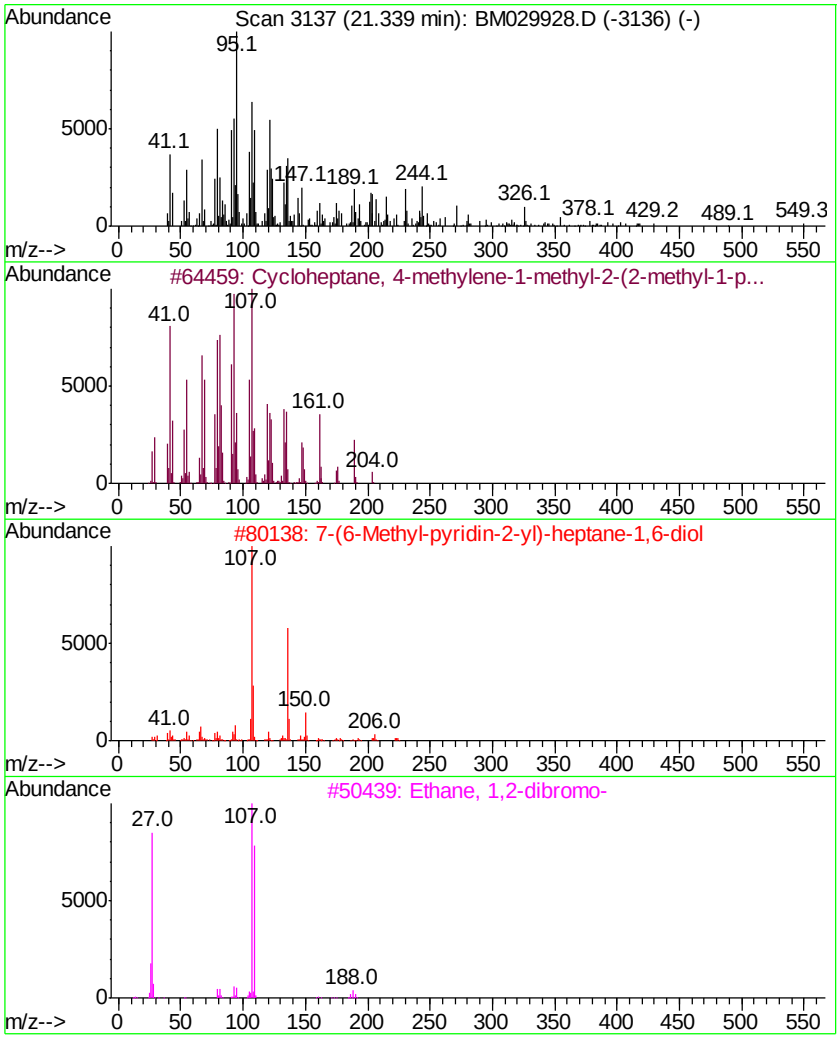
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

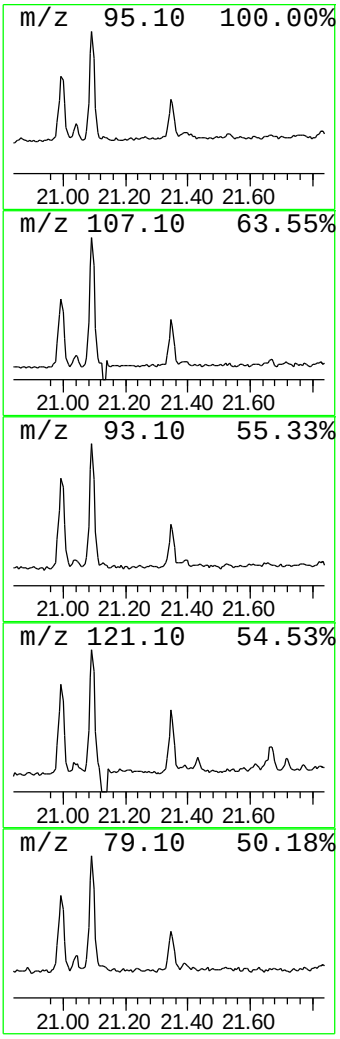
**********

Peak Number 23 unknown-03 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.34 | 2.01 ng/ul | 412818 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptane, 4-methylene-1-meth... | 204 | C15H24 | 1000159-38-5 | 43 |
| 2 | 7-(6-Methyl-pyridin-2-yl)-heptan... | 223 | C13H21NO2 | 1000187-76-9 | 25 |
| 3 | Ethane, 1,2-dibromo- | 186 | C2H4Br2 | 000106-93-4 | 22 |
| 4 | Propanoic acid, 2-bromo-, ethyl ... | 180 | C5H9BrO2 | 000535-11-5 | 22 |
| 5 | Ethane, 1,2-dibromo- | 186 | C2H4Br2 | 000106-93-4 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

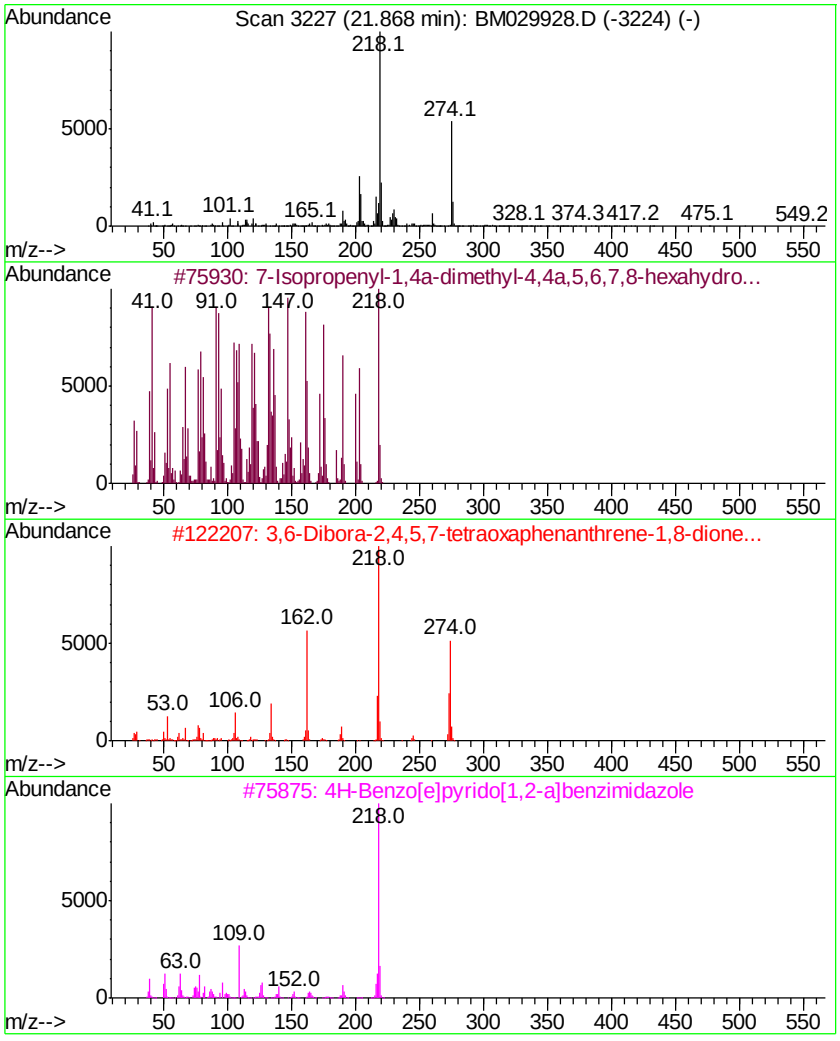
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

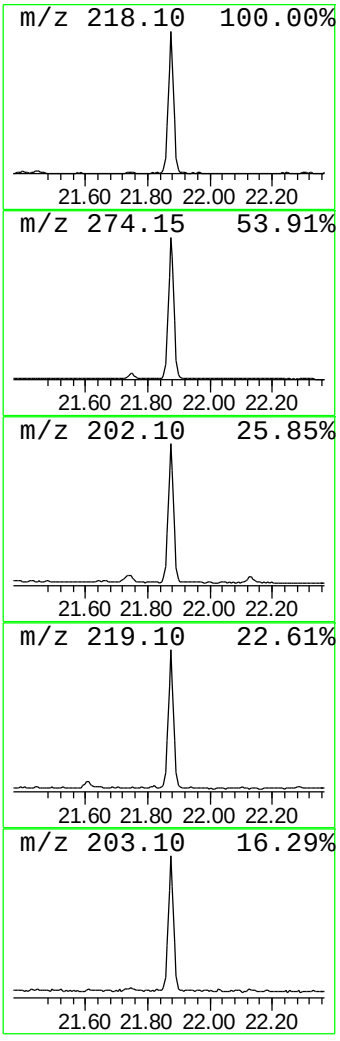
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 24 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.87 | 12.82 ng/ul | 2633970 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7-Isopropenyl-1,4a-dimethyl-4,4a... | 218 | C15H22O | 000473-08-5 | 93 |
| 2 | 3,6-Dibora-2,4,5,7-tetraoxaphena... | 274 | C12H12B2O6 | 1000159-66-2 | 52 |
| 3 | 4H-Benzo[e]pyrido[1,2-a]benzimid... | 218 | C15H10N2 | 000239-25-8 | 46 |
| 4 | 1,1'-Biphenyl, 5,2',3',4'-tetram... | 274 | C16H18O4 | 119101-30-3 | 44 |
| 5 | Eseroline, 3a-desmethyl-5-O-methyl- | 218 | C13H18N2O | 1000124-27-4 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051021\
Data File : BM029928.D
Acq On : 11 May 2021 05:48
Operator : CG/JU
Sample : M2177-22
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BG592

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 11.36 | 2.4 | ng/ul | 189691 | 2 | 10.32 | 1611390 | 20.0 |
| (DEL) Alkane: Str... | 12.73 | 2.0 | ng/ul | 229597 | 3 | 14.20 | 2246560 | 20.0 |
| (DEL) Alkane: Str... | 13.69 | 2.4 | ng/ul | 274218 | 3 | 14.20 | 2246560 | 20.0 |
| 3-Methyl-4-(metho... | 15.47 | 2.5 | ng/ul | 278168 | 3 | 14.20 | 2246560 | 20.0 |
| (DEL) Alkane: Str... | 15.95 | 4.0 | ng/ul | 469341 | 4 | 16.95 | 2375200 | 20.0 |
| Naphtho[2,1-b]thi... | 16.76 | 4.3 | ng/ul | 508793 | 4 | 16.95 | 2375200 | 20.0 |
| Anthracene, 2-met... | 17.82 | 4.5 | ng/ul | 538496 | 4 | 16.95 | 2375200 | 20.0 |
| Phenanthrene, 2-m... | 17.86 | 7.0 | ng/ul | 837595 | 4 | 16.95 | 2375200 | 20.0 |
| Phenanthrene, 3-m... | 17.95 | 2.0 | ng/ul | 237694 | 4 | 16.95 | 2375200 | 20.0 |
| 4H-Cyclopenta[def... | 18.01 | 8.7 | ng/ul | 1034460 | 4 | 16.95 | 2375200 | 20.0 |
| 5H-Dibenzo[a,d]cy... | 18.05 | 3.3 | ng/ul | 386866 | 4 | 16.95 | 2375200 | 20.0 |
| Naphthalene, 2-ph... | 18.32 | 2.7 | ng/ul | 318512 | 4 | 16.95 | 2375200 | 20.0 |
| 9,10-Anthracenedione | 18.37 | 3.8 | ng/ul | 450286 | 4 | 16.95 | 2375200 | 20.0 |
| Phenanthrene, 4,5... | 18.57 | 2.0 | ng/ul | 242098 | 4 | 16.95 | 2375200 | 20.0 |
| Phenanthrene, 2,5... | 18.75 | 3.0 | ng/ul | 359298 | 4 | 16.95 | 2375200 | 20.0 |
| Retene | 19.79 | 8.6 | ng/ul | 1775320 | 5 | 21.13 | 4110320 | 20.0 |
| 11H-Benzo[b]fluorene | 19.87 | 2.8 | ng/ul | 580108 | 5 | 21.13 | 4110320 | 20.0 |
| unknown-01 | 20.46 | 3.0 | ng/ul | 610158 | 5 | 21.13 | 4110320 | 20.0 |
| 11H-Benzo[a]fluor... | 20.62 | 3.8 | ng/ul | 781892 | 5 | 21.13 | 4110320 | 20.0 |
| unknown-02 | 20.74 | 2.3 | ng/ul | 477608 | 5 | 21.13 | 4110320 | 20.0 |
| Cyclopenta[cd]pyrene | 20.86 | 2.3 | ng/ul | 470964 | 5 | 21.13 | 4110320 | 20.0 |
| Isobornyl propionate | 20.99 | 7.2 | ng/ul | 1474410 | 5 | 21.13 | 4110320 | 20.0 |
| unknown-03 | 21.34 | 2.0 | ng/ul | 412818 | 5 | 21.13 | 4110320 | 20.0 |
| 7-Isopropenyl-1,4... | 21.87 | 12.8 | ng/ul | 2633970 | 5 | 21.13 | 4110320 | 20.0 |