LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134505.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.463 | 570 | 574 | 591 | rBV | 1986831 | 2191464 | 33.02% | 3.726% |
| 2 | 6.469 | 741 | 745 | 759 | rBV | 2248257 | 2265560 | 34.14% | 3.852% |
| 3 | 6.822 | 802 | 805 | 815 | rBV | 786414 | 694229 | 10.46% | 1.180% |
| 4 | 7.387 | 897 | 901 | 912 | rBV | 1849469 | 1687417 | 25.43% | 2.869% |
| 5 | 8.098 | 1019 | 1022 | 1034 | rBV | 1067510 | 996240 | 15.01% | 1.694% |
| 6 | 9.175 | 1201 | 1205 | 1209 | rBV | 2591916 | 2408903 | 36.30% | 4.096% |
| 7 | 9.575 | 1268 | 1273 | 1277 | rBV2 | 198214 | 240699 | 3.63% | 0.409% |
| 8 | 9.722 | 1294 | 1298 | 1300 | rBV | 362191 | 352154 | 5.31% | 0.599% |
| 9 | 9.763 | 1302 | 1305 | 1308 | rVB | 209185 | 183183 | 2.76% | 0.311% |
| 10 | 9.833 | 1314 | 1317 | 1318 | rBV2 | 95002 | 98566 | 1.49% | 0.168% |
| 11 | 9.857 | 1318 | 1321 | 1324 | rVB | 899801 | 753110 | 11.35% | 1.280% |
| 12 | 9.892 | 1324 | 1327 | 1330 | rBV3 | 96202 | 127158 | 1.92% | 0.216% |
| 13 | 10.116 | 1362 | 1365 | 1367 | rBV2 | 120093 | 149270 | 2.25% | 0.254% |
| 14 | 10.192 | 1373 | 1378 | 1380 | rBV3 | 176297 | 267792 | 4.04% | 0.455% |
| 15 | 10.263 | 1387 | 1390 | 1393 | rBV2 | 567817 | 519950 | 7.83% | 0.884% |
| 16 | 10.657 | 1454 | 1457 | 1461 | rBV | 1433011 | 1416893 | 21.35% | 2.409% |
| 17 | 10.775 | 1475 | 1477 | 1485 | rBV6 | 327635 | 564412 | 8.50% | 0.960% |
| 18 | 11.363 | 1575 | 1577 | 1579 | rBV | 686174 | 580881 | 8.75% | 0.988% |
| 19 | 12.557 | 1778 | 1780 | 1782 | rBV2 | 848082 | 966549 | 14.56% | 1.643% |
| 20 | 12.598 | 1784 | 1787 | 1796 | rVB | 3001048 | 4089511 | 61.62% | 6.953% |
| 21 | 12.839 | 1822 | 1828 | 1831 | rBV | 4079571 | 5312720 | 80.05% | 9.033% |
| 22 | 12.963 | 1846 | 1849 | 1852 | rVB | 2041445 | 1783157 | 26.87% | 3.032% |
| 23 | 13.668 | 1967 | 1969 | 1974 | rVB | 651287 | 573960 | 8.65% | 0.976% |
| 24 | 13.780 | 1985 | 1988 | 1990 | rBV | 482865 | 431229 | 6.50% | 0.733% |
| 25 | 13.804 | 1990 | 1992 | 1994 | rVB | 610207 | 471164 | 7.10% | 0.801% |
| 26 | 13.833 | 1994 | 1997 | 2002 | rBV3 | 1024439 | 1461619 | 22.02% | 2.485% |
| 27 | 14.027 | 2025 | 2030 | 2032 | rBV3 | 2459788 | 3751821 | 56.53% | 6.379% |
| 28 | 14.068 | 2034 | 2037 | 2043 | rVB2 | 3356024 | 3972135 | 59.85% | 6.753% |
| 29 | 14.139 | 2046 | 2049 | 2051 | rBV | 935623 | 750855 | 11.31% | 1.277% |
| 30 | 14.163 | 2051 | 2053 | 2058 | rVB3 | 856784 | 824836 | 12.43% | 1.402% |
| 31 | 14.245 | 2065 | 2067 | 2069 | rBV | 283627 | 257125 | 3.87% | 0.437% |
| 32 | 14.380 | 2087 | 2090 | 2091 | rBV | 282837 | 260856 | 3.93% | 0.444% |
| 33 | 14.468 | 2103 | 2105 | 2108 | rVB2 | 393759 | 328861 | 4.96% | 0.559% |
| 34 | 14.563 | 2119 | 2121 | 2124 | rVB | 512918 | 432783 | 6.52% | 0.736% |
| 35 | 14.610 | 2127 | 2129 | 2136 | rVB2 | 477017 | 632638 | 9.53% | 1.076% |
| 36 | 14.710 | 2144 | 2146 | 2148 | rBV2 | 178062 | 192812 | 2.91% | 0.328% |

LSC Area Percent Report

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Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

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-BF072423.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 14.739 | 2149 | 2151 | 2158 | rVB2 | 529787 | 705496 | 10.63% | 1.199% |
| 38 | 14.868 | 2170 | 2173 | 2178 | rVV3 | 257501 | 413098 | 6.22% | 0.702% |
| 39 | 14.927 | 2178 | 2183 | 2187 | rVB2 | 577714 | 854614 | 12.88% | 1.453% |
| 40 | 15.015 | 2196 | 2198 | 2205 | rVB2 | 149215 | 228973 | 3.45% | 0.389% |
| 41 | 15.110 | 2206 | 2214 | 2216 | rBV2 | 3231198 | 6636707 | 100.00% | 11.284% |
| 42 | 15.162 | 2221 | 2223 | 2226 | rVB | 124006 | 110560 | 1.67% | 0.188% |
| 43 | 15.204 | 2226 | 2230 | 2234 | rVB | 417904 | 461168 | 6.95% | 0.784% |
| 44 | 15.292 | 2241 | 2245 | 2250 | rBV | 160962 | 292708 | 4.41% | 0.498% |
| 45 | 15.410 | 2259 | 2265 | 2270 | rVB | 1325268 | 1875659 | 28.26% | 3.189% |
| 46 | 15.474 | 2271 | 2276 | 2279 | rVV2 | 1217297 | 1571076 | 23.67% | 2.671% |
| 47 | 15.527 | 2283 | 2285 | 2288 | rVV | 329435 | 404767 | 6.10% | 0.688% |
| 48 | 15.562 | 2288 | 2291 | 2298 | rVB2 | 364360 | 499672 | 7.53% | 0.850% |
| 49 | 15.668 | 2307 | 2309 | 2313 | rVB | 120236 | 131726 | 1.98% | 0.224% |
| 50 | 15.974 | 2357 | 2361 | 2366 | rVB2 | 113982 | 174119 | 2.62% | 0.296% |
| 51 | 16.780 | 2494 | 2498 | 2504 | rBV3 | 67492 | 144418 | 2.18% | 0.246% |
| 52 | 17.068 | 2539 | 2547 | 2563 | rVB2 | 438587 | 1193043 | 17.98% | 2.028% |
| 53 | 17.256 | 2572 | 2579 | 2584 | rBV7 | 120582 | 329017 | 4.96% | 0.559% |
| 54 | 17.533 | 2619 | 2626 | 2635 | rVB | 250458 | 549697 | 8.28% | 0.935% |
| 55 | 17.656 | 2641 | 2647 | 2659 | rVB | 75348 | 247116 | 3.72% | 0.420% |

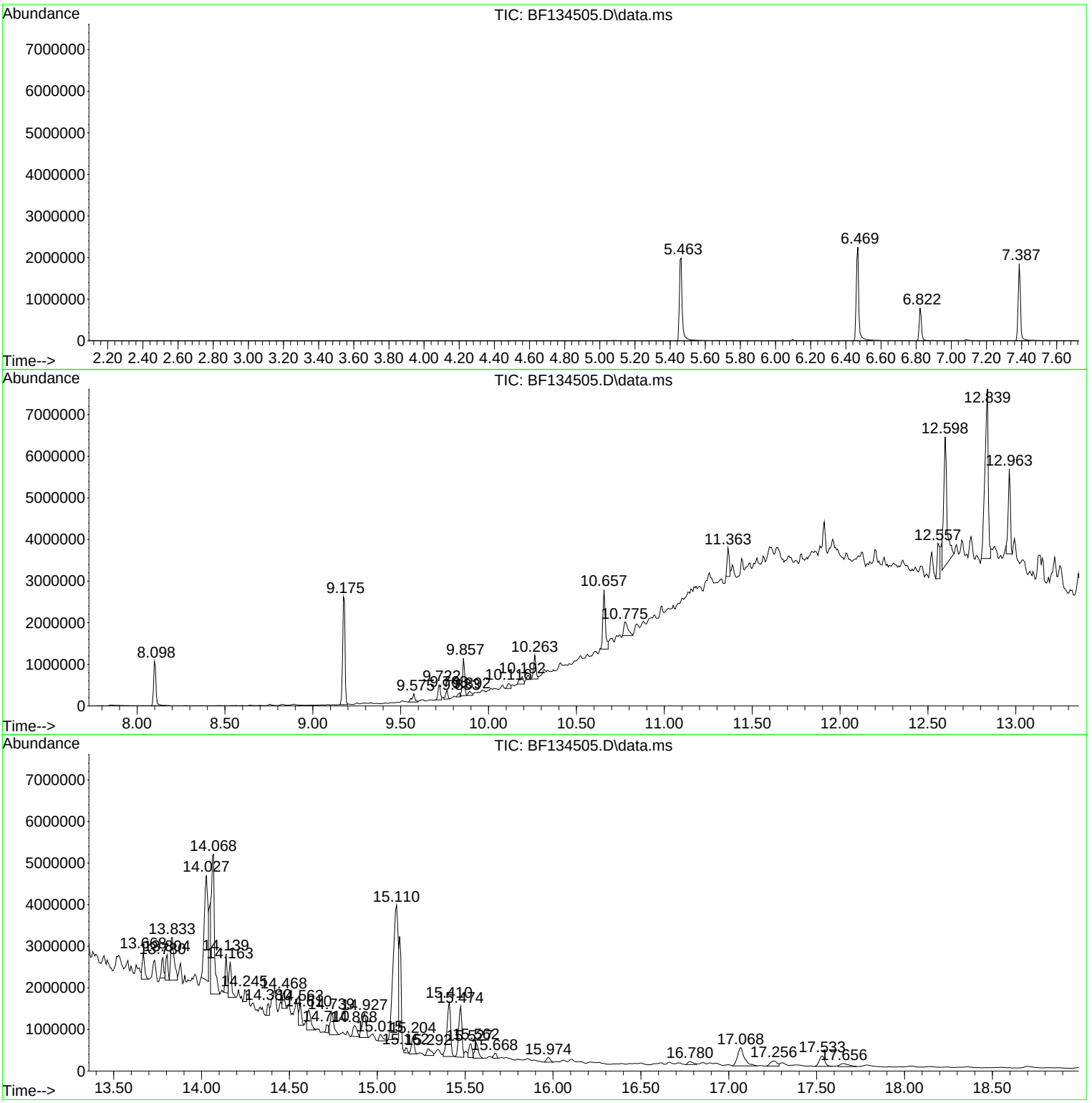
Sum of corrected areas: 58816146

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

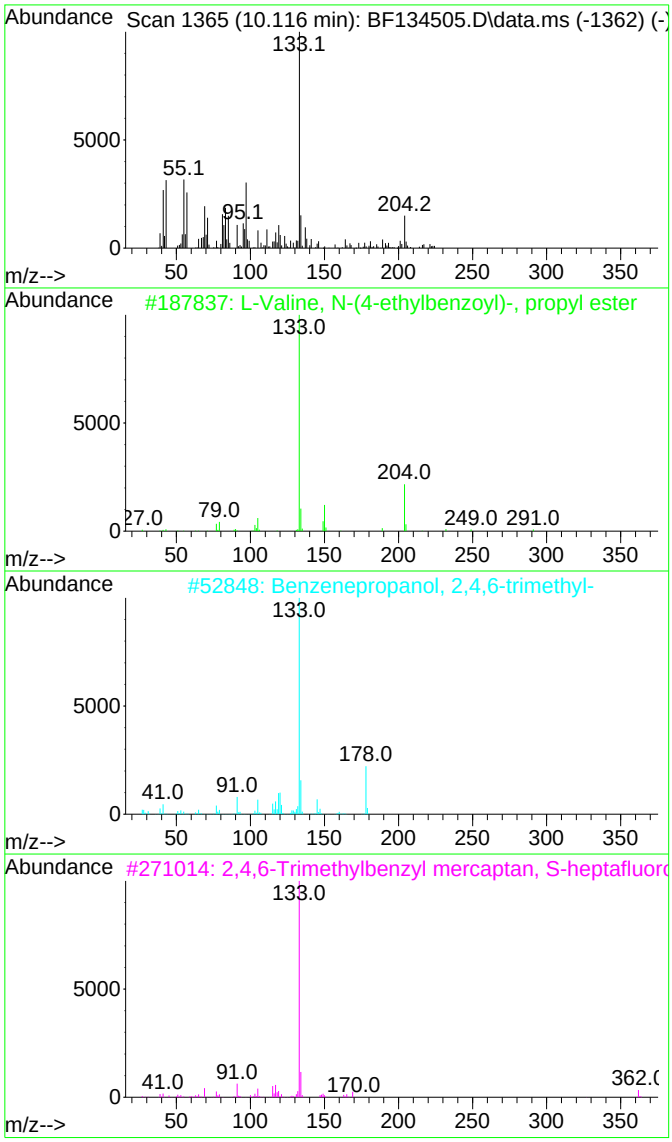
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

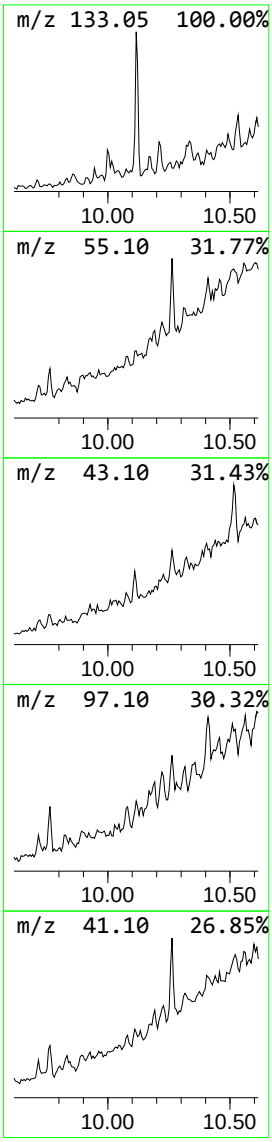
**********

Peak Number 1 unknown10.116 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.116 | 3.96 ng | 149270 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | L-Valine, N-(4-ethylbenzoyl)-, p... | 291 | C17H25NO3 | 1000346-62-9 | 47 |
| 2 | Benzenepropanol, 2,4,6-trimethyl- | 178 | C12H18O | 027645-07-4 | 47 |
| 3 | 2,4,6-Trimethylbenzyl mercaptan,... | 362 | C14H13F7OS | 1000469-60-5 | 43 |
| 4 | 3-Pyridinecarbonitrile, 1,6-dihy... | 210 | C14H14N2 | 027531-49-3 | 43 |
| 5 | N-(Mesitylmethyl)-2-heptanamine | 247 | C17H29N | 064015-58-3 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

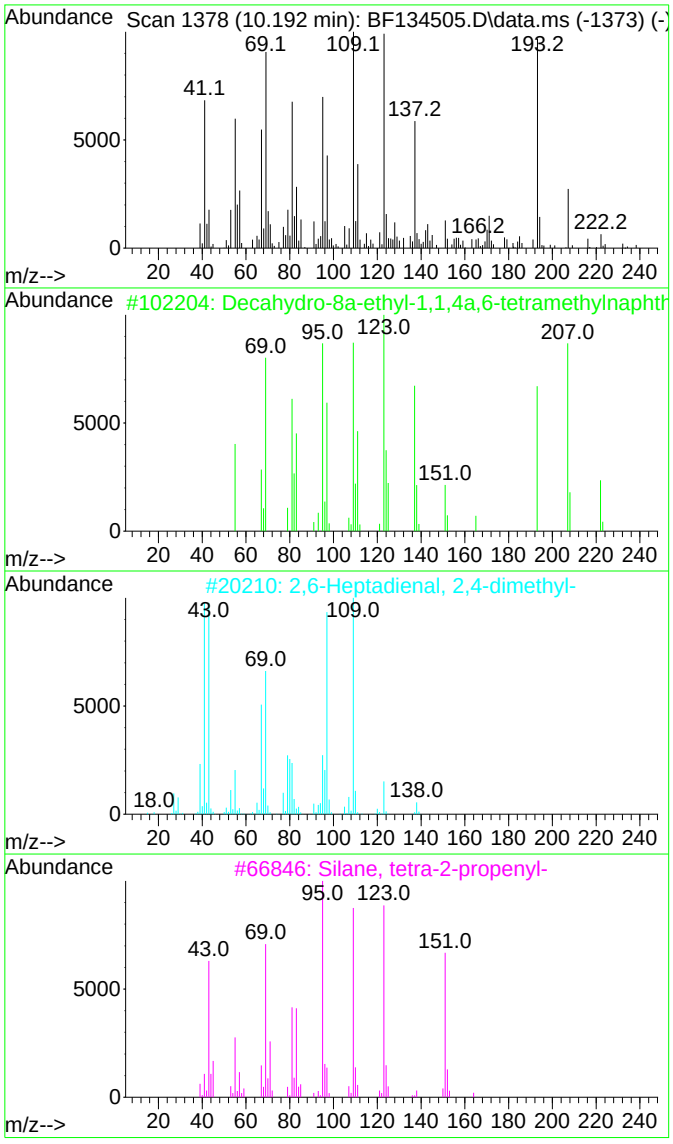
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

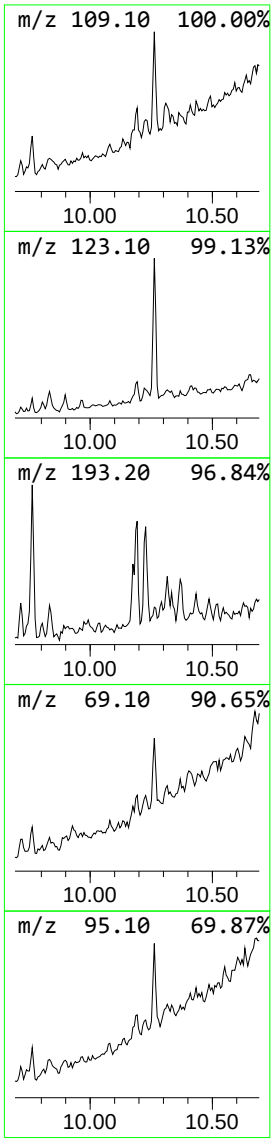
**********

Peak Number 2 unknown10.192 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.192 | 7.11 ng | 267792 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-8a-ethyl-1,1,4a,6-tetr... | 222 | C16H30 | 1000100-23-6 | 43 |
| 2 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 35 |
| 3 | Silane, tetra-2-propenyl- | 192 | C12H20Si | 001112-66-9 | 27 |
| 4 | Methoxy(methyl)chlorosilane | 110 | C2H7ClOSi | 018151-27-4 | 25 |
| 5 | 1-(4-Hydroxyphenyl)propane-1,2-d... | 168 | C9H12O3 | 1000495-85-5 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

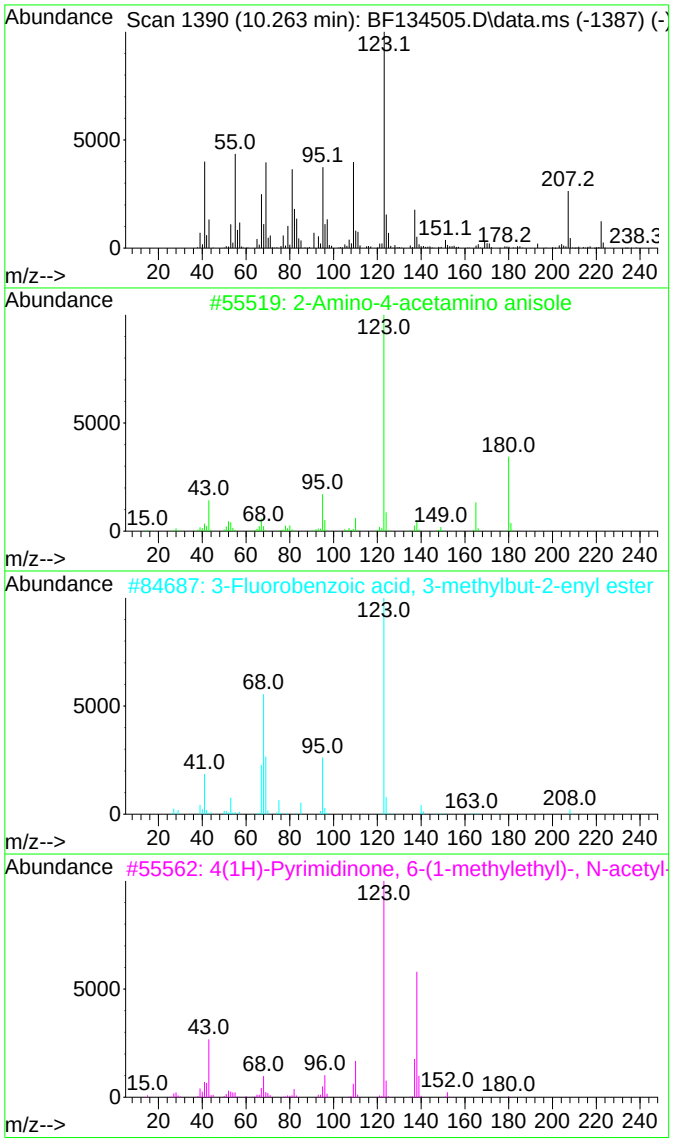
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

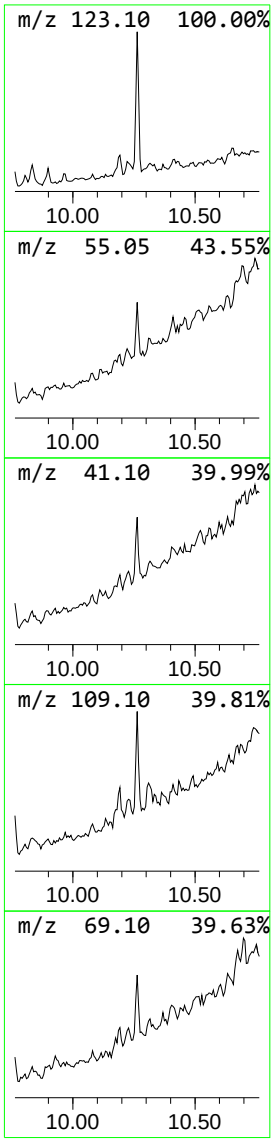
**********

Peak Number 3 unknown10.263 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.263 | 13.81 ng | 519950 | Acenaphthene-d10 | 9.857 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Amino-4-acetamino anisole | 180 | C9H12N2O2 | 006375-47-9 | 49 |
| 2 | 3-Fluorobenzoic acid, 3-methylbu... | 208 | C12H13FO2 | 154559-38-3 | 46 |
| 3 | 4(1H)-Pyrimidinone, 6-(1-methyle... | 180 | C9H12N2O2 | 1000503-76-7 | 43 |
| 4 | Imidazolidin-2-one, 1-(2-fluorob... | 208 | C10H9FN2O2 | 1010310-62-2 | 43 |
| 5 | Phorone | 138 | C9H14O | 000504-20-1 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

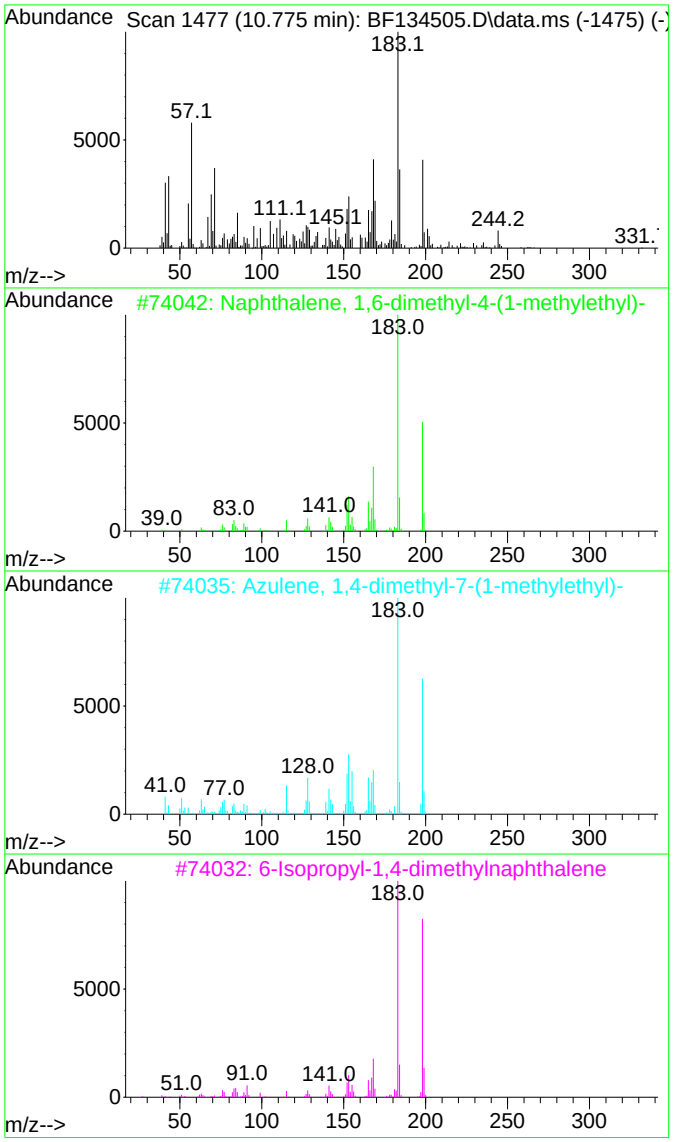
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

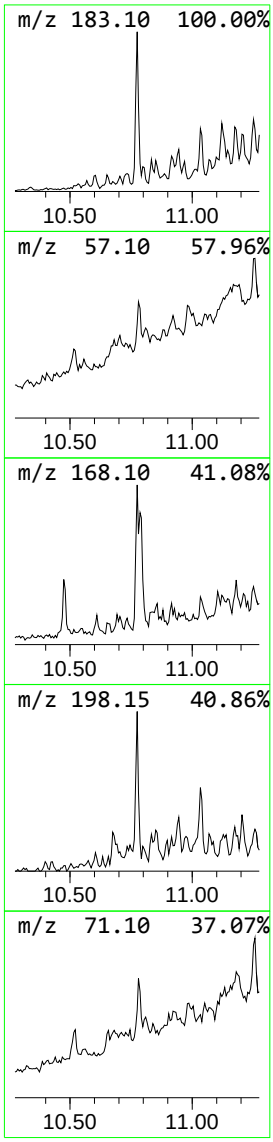
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Naphthalene, 1,6-dimethyl-4... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.775 | 19.43 ng | 564412 | Phenanthrene-d10 | 11.363 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl-4-(1-m... | 198 | C15H18 | 000483-78-3 | 91 |
| 2 | Azulene, 1,4-dimethyl-7-(1-methy... | 198 | C15H18 | 000489-84-9 | 76 |
| 3 | 6-Isopropyl-1,4-dimethylnaphthalene | 198 | C15H18 | 000489-77-0 | 64 |
| 4 | Phenol, 2-(1-phenylethyl)- | 198 | C14H14O | 004237-44-9 | 49 |
| 5 | Phenol, 4-(1-phenylethyl)- | 198 | C14H14O | 001988-89-2 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

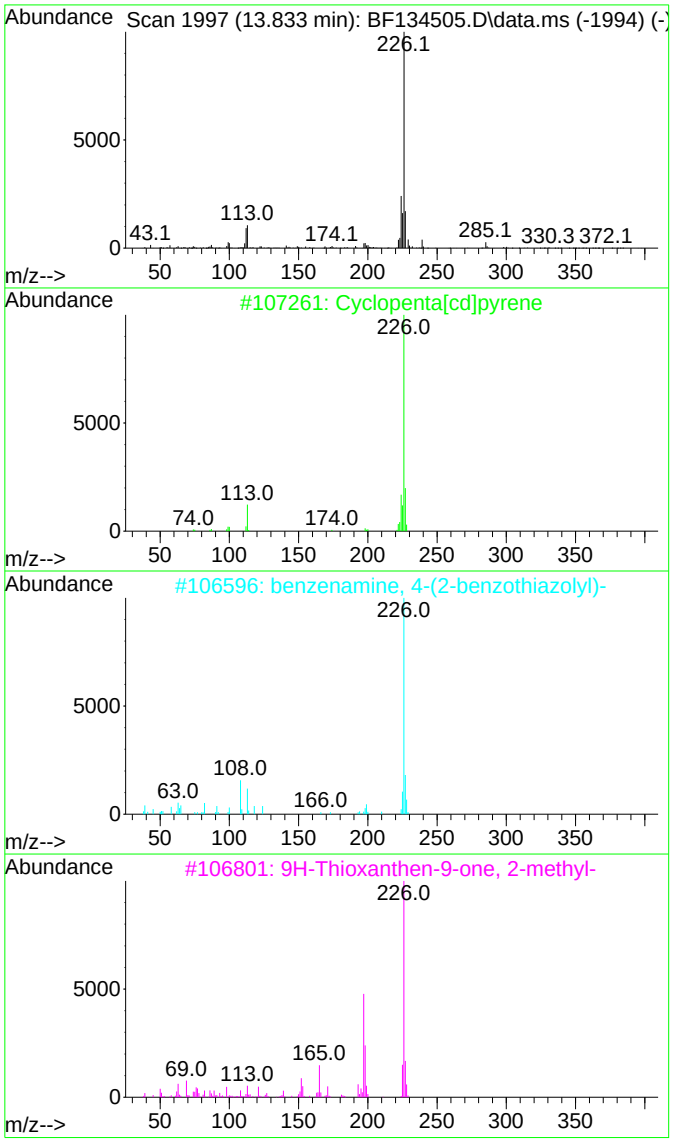
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

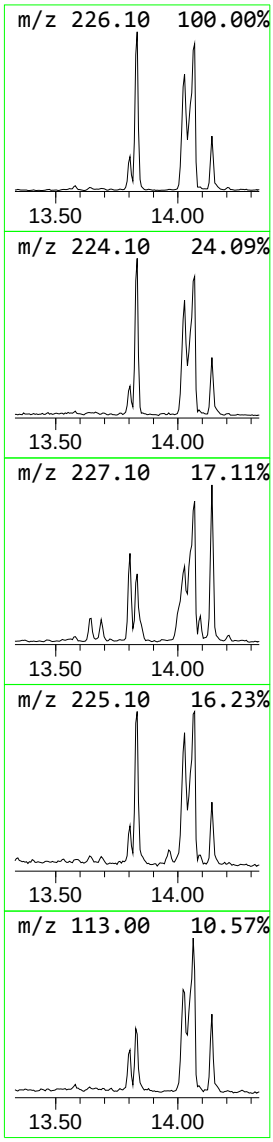
**********

Peak Number 5 Cyclopenta[cd]pyrene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.833 | 7.79 ng | 1461620 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta[cd]pyrene | 226 | C18H10 | 027208-37-3 | 76 |
| 2 | benzenamine, 4-(2-benzothiazolyl)- | 226 | C13H10N2S | 1000400-93-4 | 53 |
| 3 | 9H-Thioxanthen-9-one, 2-methyl- | 226 | C14H10OS | 015774-82-0 | 50 |
| 4 | 4-[5-(Furan-2-yl)-1H-1,2,4-triaz... | 226 | C12H10N4O | 1000411-19-9 | 46 |
| 5 | .beta.-Carboline, 7-methoxy-1,2-... | 226 | C14H14N2O | 006519-18-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

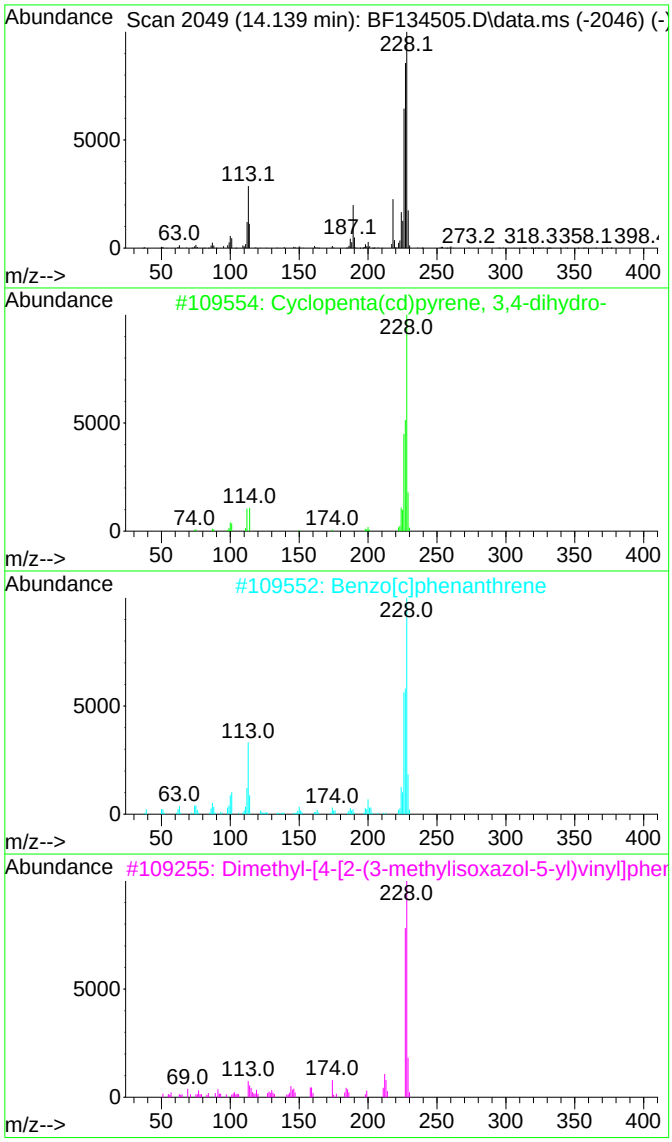
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

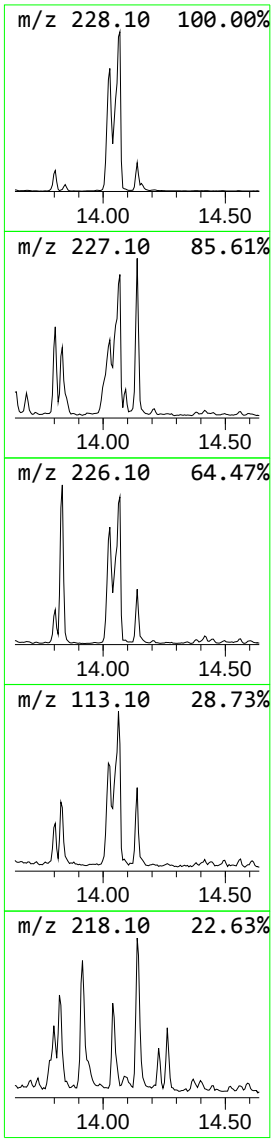
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.139 | 4.00 ng | 750855 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 95 |
| 2 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 55 |
| 3 | Dimethyl-[4-[2-(3-methylisoxazol... | 228 | C14H16N2O | 1000306-39-6 | 47 |
| 4 | Isothiazol-5-amine, 4-bromo-3-ch... | 226 | C4H4BrClN2S | 1000272-59-9 | 43 |
| 5 | Pyrazole-4-carboxaldehyde-, 3,5-... | 228 | C14H16N2O | 1000272-54-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

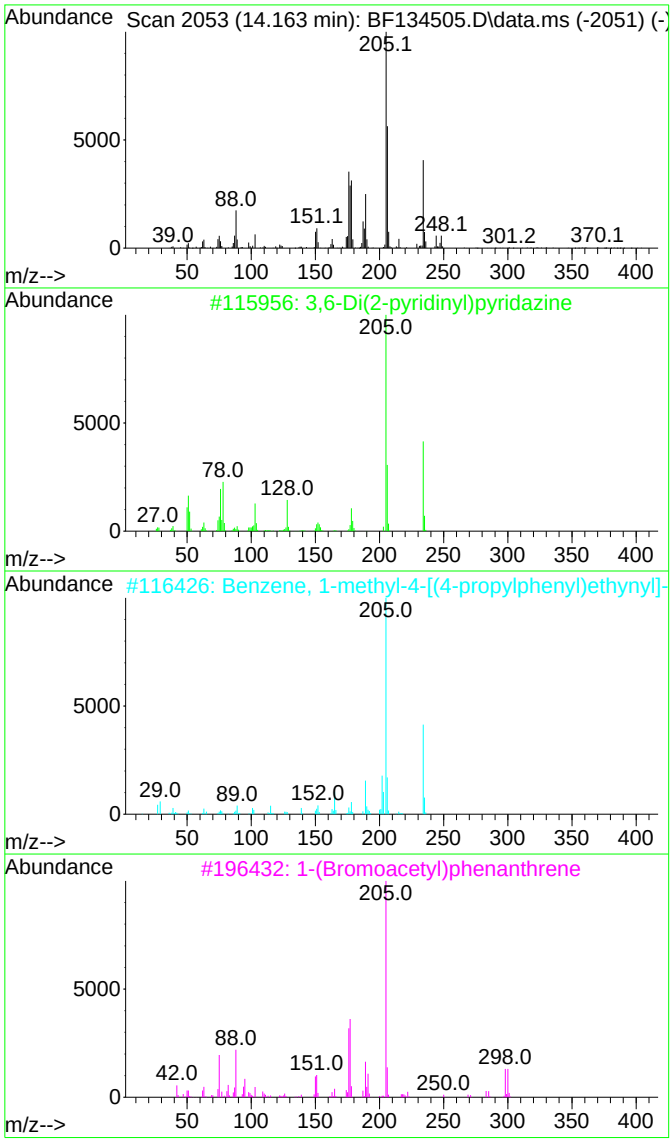
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

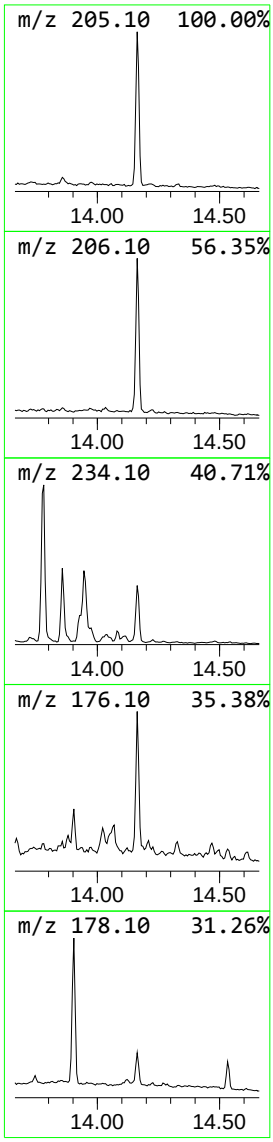
**********

Peak Number 7 unknown14.163 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.163 | 4.40 ng | 824836 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Di(2-pyridinyl)pyridazine | 234 | C14H10N4 | 1000332-52-1 | 47 |
| 2 | Benzene, 1-methyl-4-[(4-propylph... | 234 | C18H18 | 184161-94-2 | 46 |
| 3 | 1-(Bromoacetyl)phenanthrene | 298 | C16H11BrO | 026698-40-8 | 43 |
| 4 | Trichothec-9-en-8-one, 12,13-epo... | 312 | C15H20O7 | 023282-20-4 | 35 |
| 5 | Phenanthrene-9-carboxaldehyde | 206 | C15H10O | 004707-71-5 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

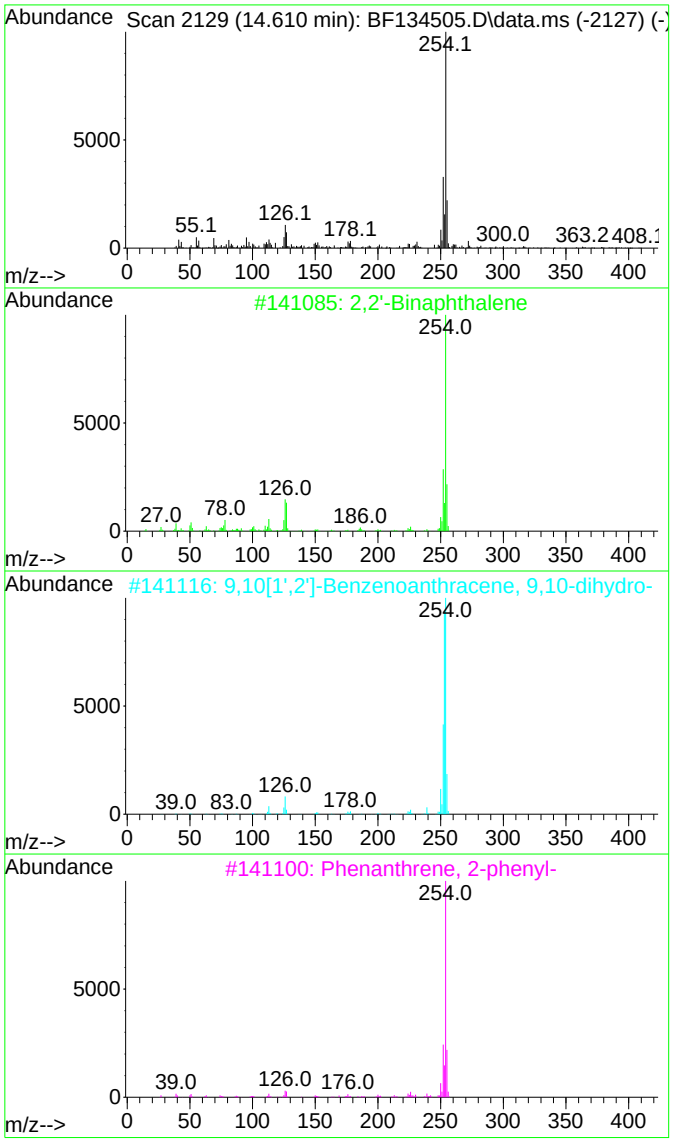
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

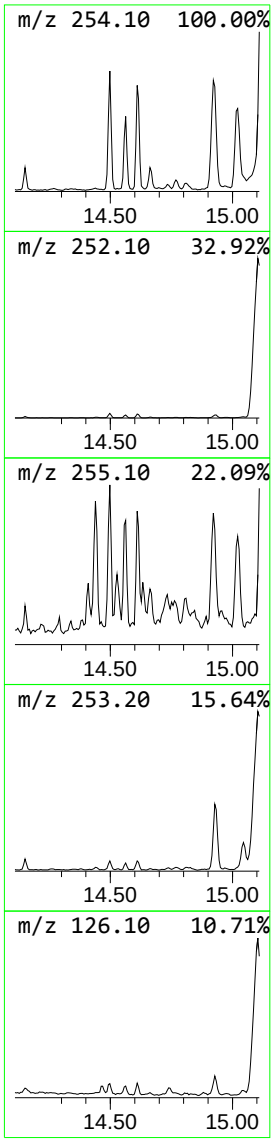
**********

Peak Number 8 2,2'-Binaphthalene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.610 | 3.37 ng | 632638 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2'-Binaphthalene | 254 | C20H14 | 000612-78-2 | 81 |
| 2 | 9,10[1',2']-Benzenoanthracene, 9... | 254 | C20H14 | 000477-75-8 | 70 |
| 3 | Phenanthrene, 2-phenyl- | 254 | C20H14 | 004325-77-3 | 68 |
| 4 | Fluorene, 9-(2-pyridinyl)methylene- | 255 | C19H13N | 002871-27-4 | 64 |
| 5 | Anthracene, 9-phenyl- | 254 | C20H14 | 000602-55-1 | 53 |



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Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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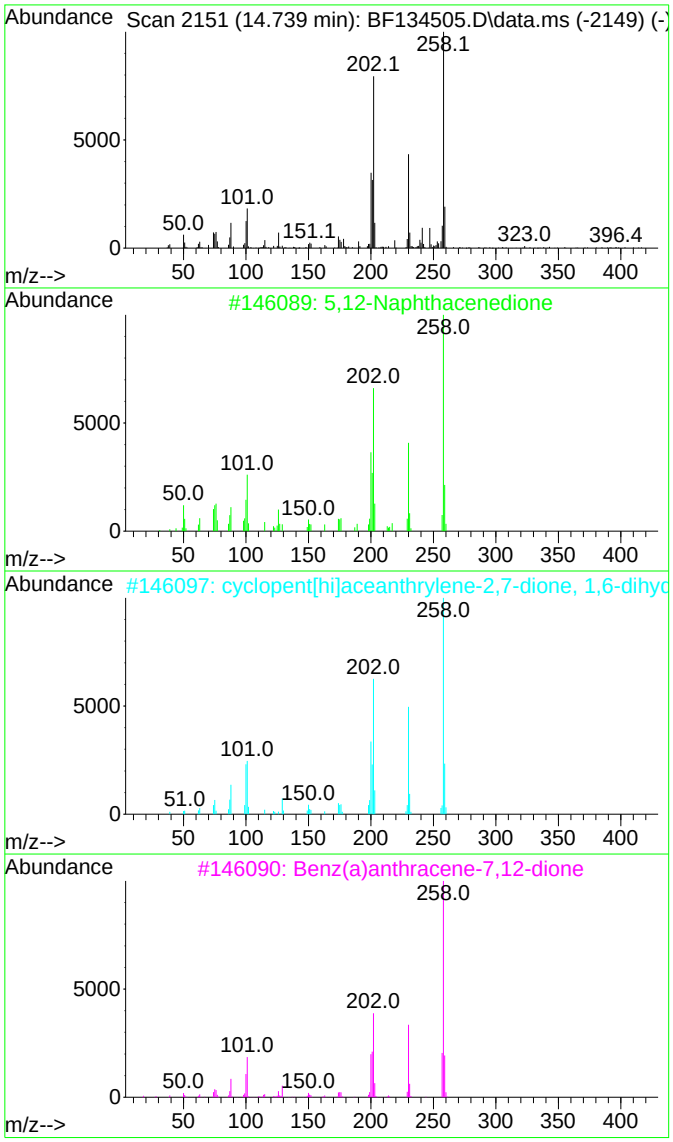
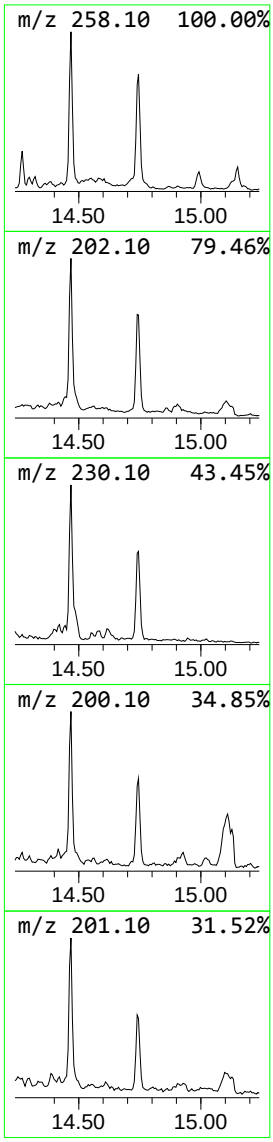
Peak Number 9 5,12-Naphthacenedione Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.739 | 3.76 ng | 705496 | Chrysene-d12 | 14.033 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,12-Naphthacenedione | 258 | C18H10O2 | 001090-13-7 | 93 |
| 2 | cyclopent[hi]aceanthrylene-2,7-d... | 258 | C18H10O2 | 1000396-75-6 | 89 |
| 3 | Benz(a)anthracene-7,12-dione | 258 | C18H10O2 | 002498-66-0 | 70 |
| 4 | Fluoranthene | 202 | C16H10 | 000206-44-0 | 43 |
| 5 | Benzoic acid, 3-(6-methyl-4-oxo-... | 230 | C13H10O4 | 295364-59-9 | 43 |



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Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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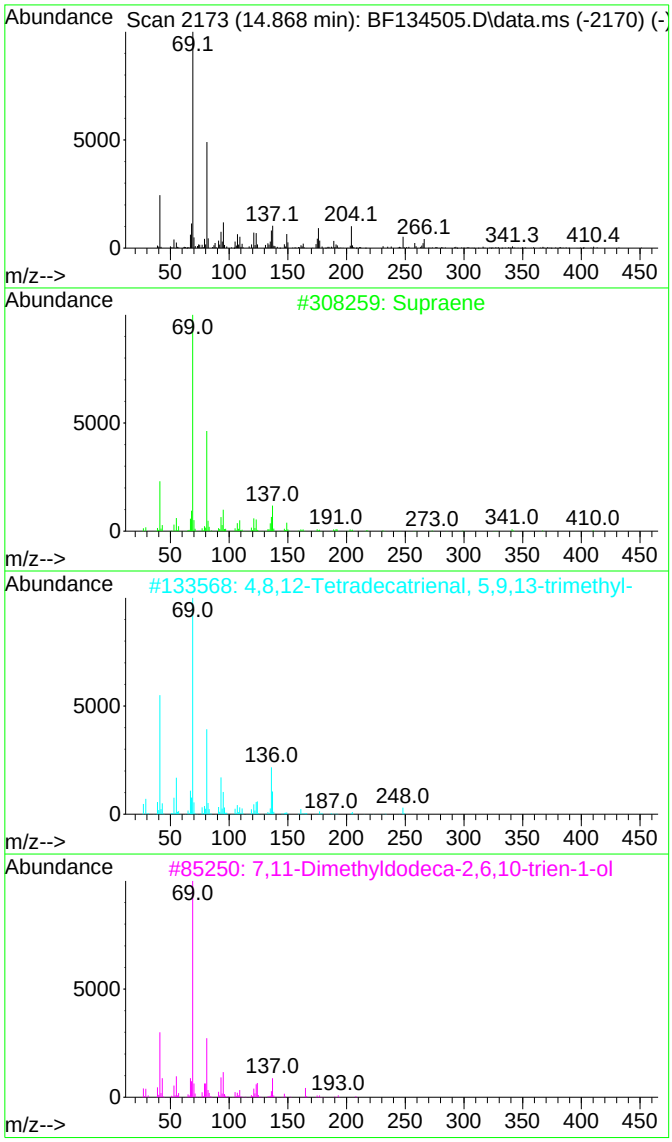
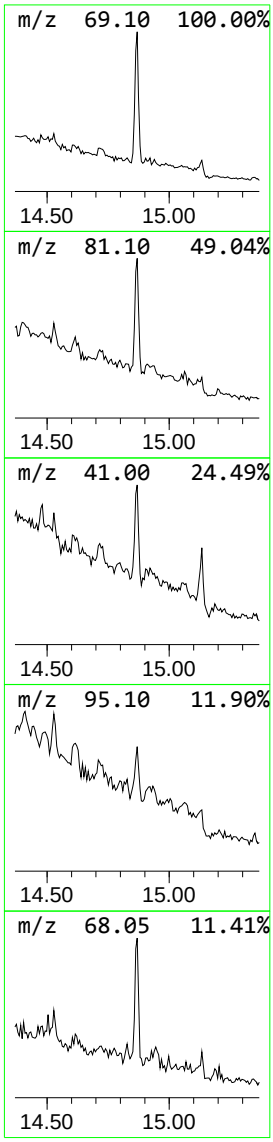
Peak Number 10 Supraene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.868 | 20.41 ng | 413098 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Supraene | 410 | C30H50 | 007683-64-9 | 99 |
| 2 | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7 | 68 |
| 3 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 53 |
| 4 | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 53 |
| 5 | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24 | 062951-96-6 | 52 |



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Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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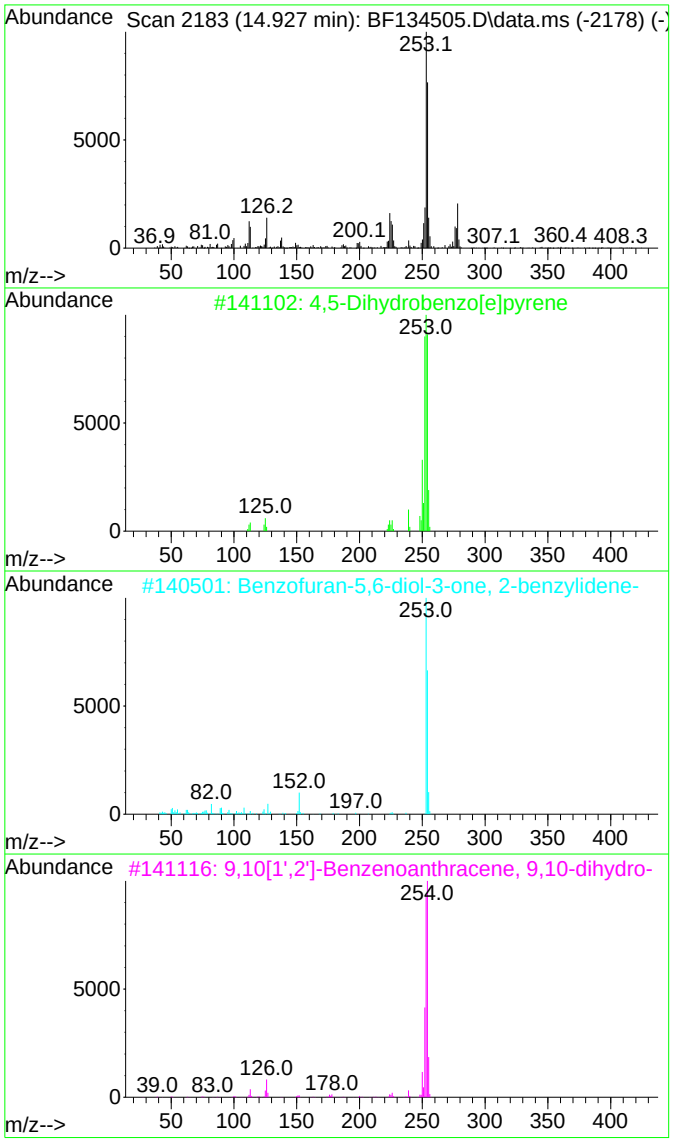
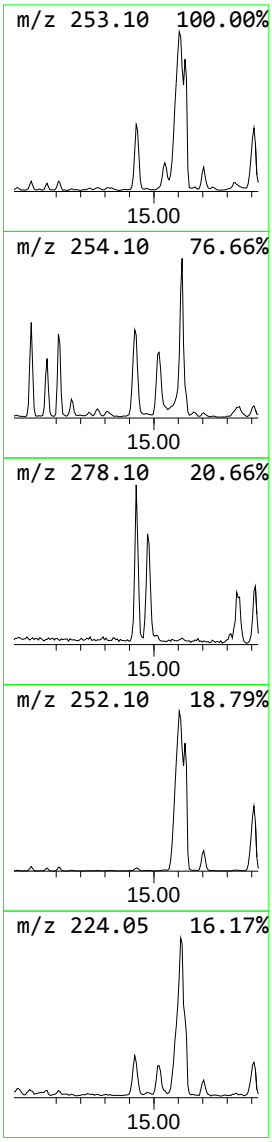
Peak Number 11 4,5-Dihydrobenzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.927 | 42.23 ng | 854614 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,5-Dihydrobenzo[e]pyrene | 254 | C20H14 | 095676-42-9 | 64 |
| 2 | Benzofuran-5,6-diol-3-one, 2-ben... | 254 | C15H10O4 | 1000128-65-2 | 58 |
| 3 | 9,10[1',2']-Benzenoanthracene, 9... | 254 | C20H14 | 000477-75-8 | 58 |
| 4 | 3H-Pyrrolo[3,2-f]quinoline, 5-me... | 254 | C16H18N2O | 1000350-44-1 | 53 |
| 5 | 1,1'-Binaphthalene | 254 | C20H14 | 000604-53-5 | 46 |



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Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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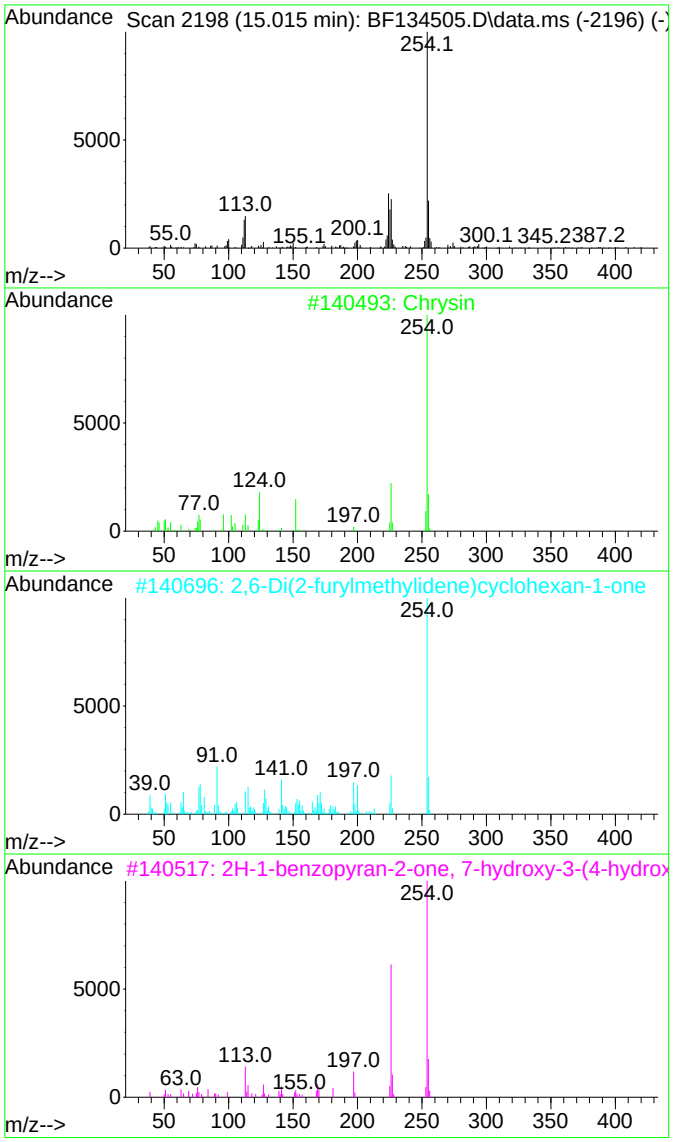
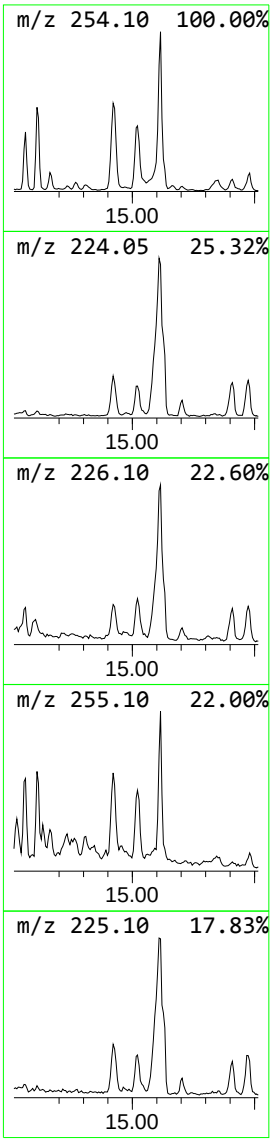
Peak Number 12 Chrysin Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.015 | 11.31 ng | 228973 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysin | 254 | C15H10O4 | 000480-40-0 | 59 |
| 2 | 2,6-Di(2-furylmethylidene)cycloh... | 254 | C16H14O3 | 000893-00-5 | 59 |
| 3 | 2H-1-benzopyran-2-one, 7-hydroxy... | 254 | C15H10O4 | 1000401-42-6 | 53 |
| 4 | Benzo[a]pyrene, 4,5-dihydro- | 254 | C20H14 | 057652-66-1 | 53 |
| 5 | 3-Hydroxy-1-methoxyanthraquinone | 254 | C15H10O4 | 028504-24-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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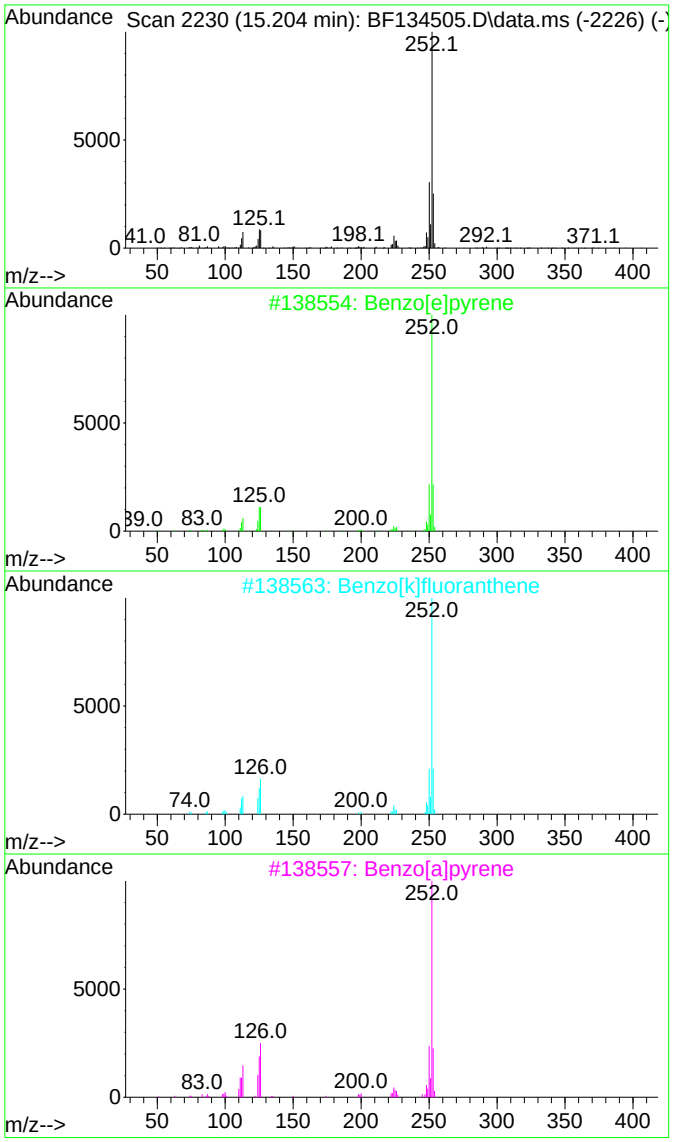
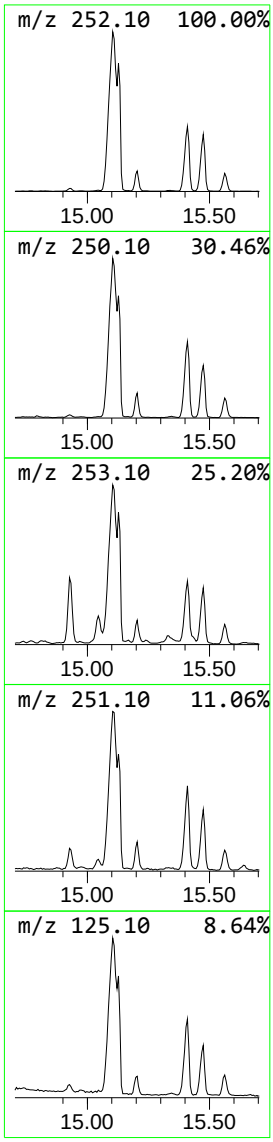
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.204 | 22.79 ng | 461168 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 95 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 87 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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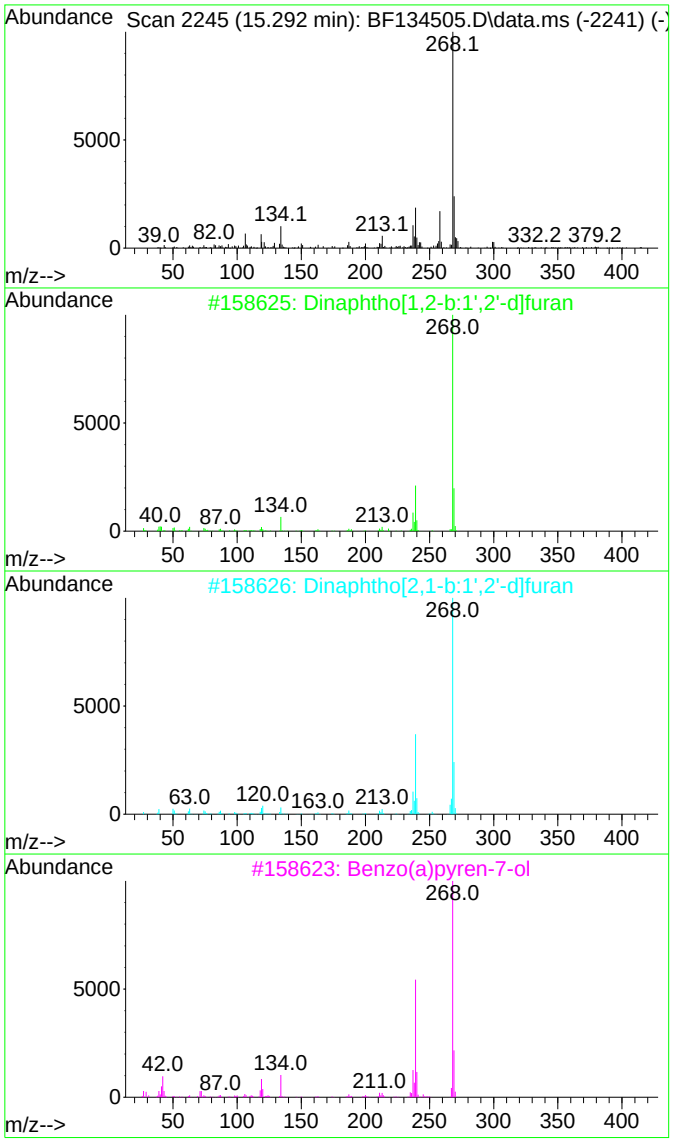
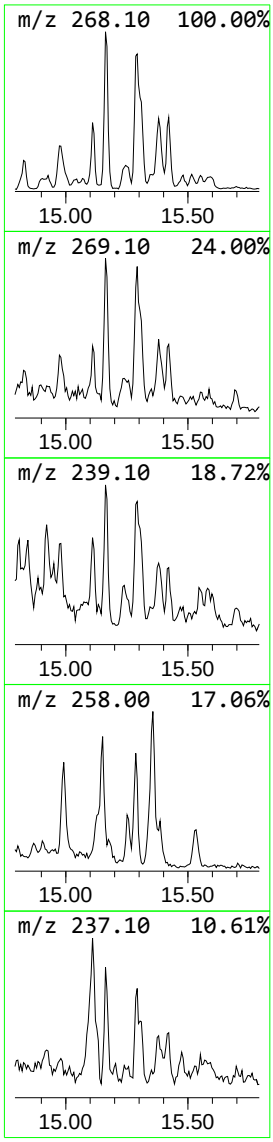
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.292 | 14.46 ng | 292708 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dinaphtho[1,2-b:1',2'-d]furan | 268 | C20H12O | 000207-93-2 | 87 |
| 2 | Dinaphtho[2,1-b:1',2'-d]furan | 268 | C20H12O | 000194-63-8 | 74 |
| 3 | Benzo(a)pyren-7-ol | 268 | C20H12O | 037994-82-4 | 72 |
| 4 | Benzo(a)pyrene 4,5-oxide | 268 | C20H12O | 037574-47-3 | 72 |
| 5 | 1H-Pyrrole-2,5-dione, 1,1'-(1,3-... | 268 | C14H8N2O4 | 003006-93-7 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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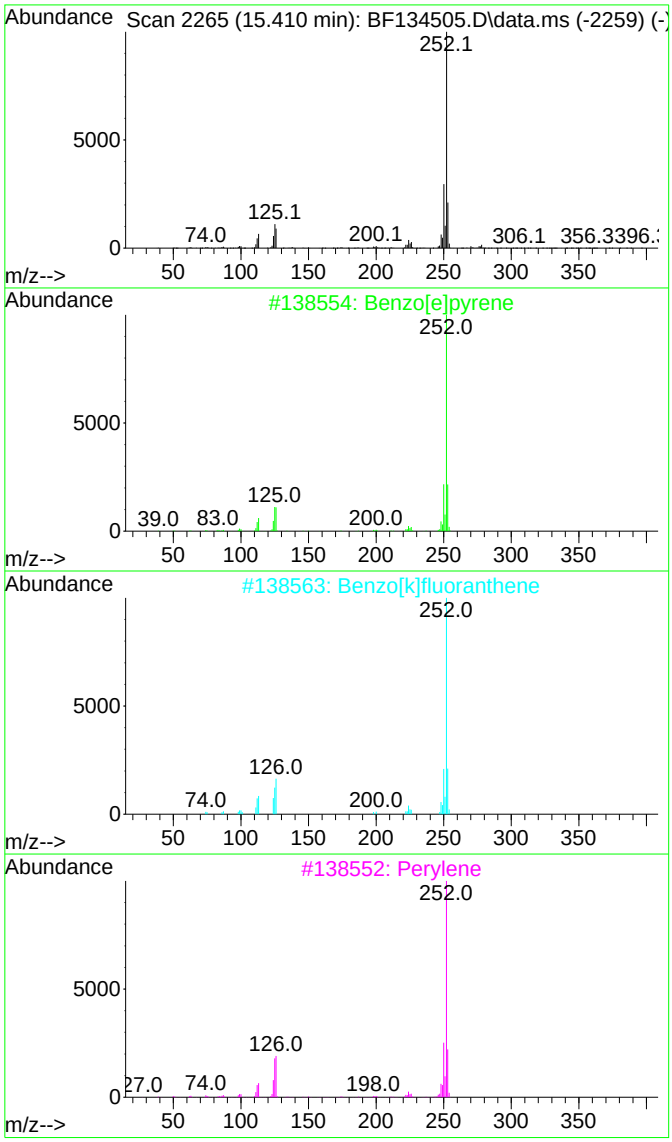
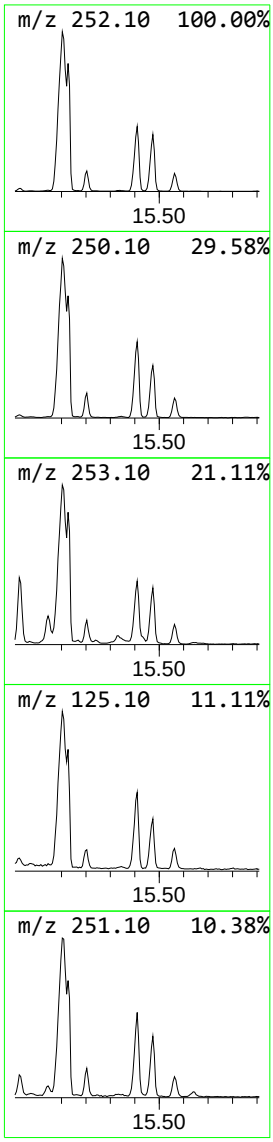
Peak Number 15 Perylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.410 | 92.68 ng | 1875660 | Perylene-d12 | 15.533 |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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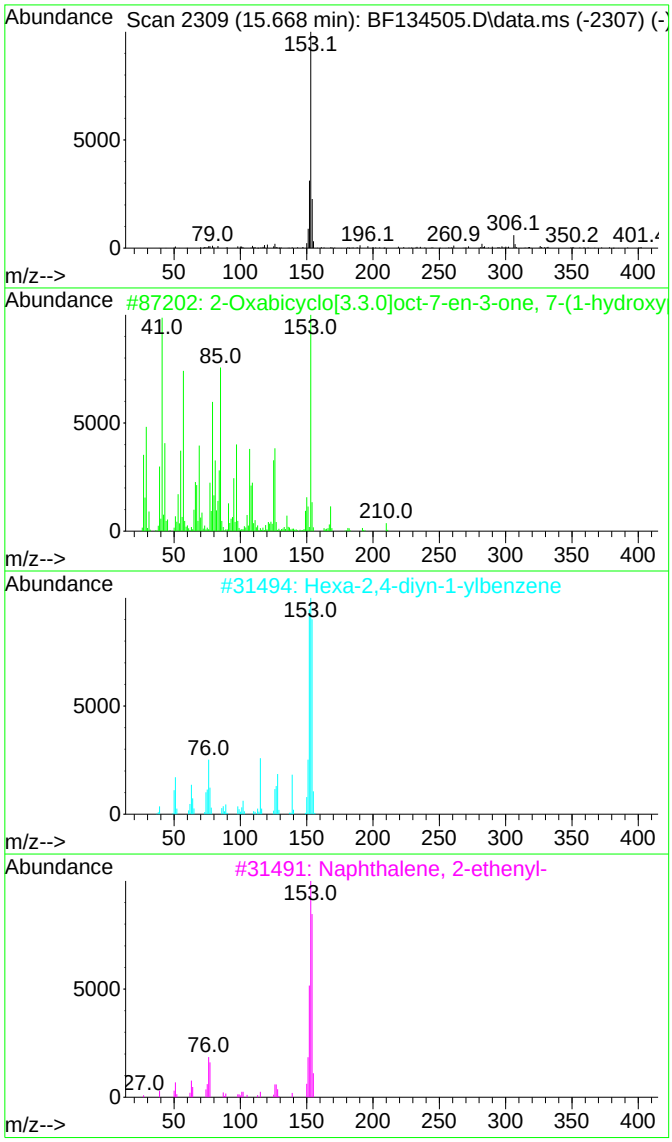
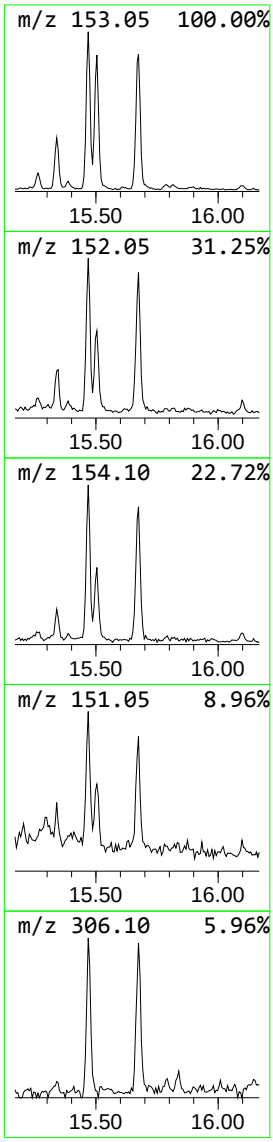
Peak Number 16 2-Oxabicyclo[3.3.0]oct-7-en... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.668 | 6.51 ng | 131726 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Oxabicyclo[3.3.0]oct-7-en-3-on... | 210 | C12H18O3 | 1000217-12-6 | 25 |
| 2 | Hexa-2,4-diyn-1-ylbenzene | 154 | C12H10 | 000520-74-1 | 9 |
| 3 | Naphthalene, 2-ethenyl- | 154 | C12H10 | 000827-54-3 | 9 |
| 4 | Acenaphthylene, 5-bromo-1,2-dihy... | 232 | C12H9Br | 002051-98-1 | 8 |
| 5 | 1,4-Ethenonaphthalene, 1,4-dihydro- | 154 | C12H10 | 007322-47-6 | 7 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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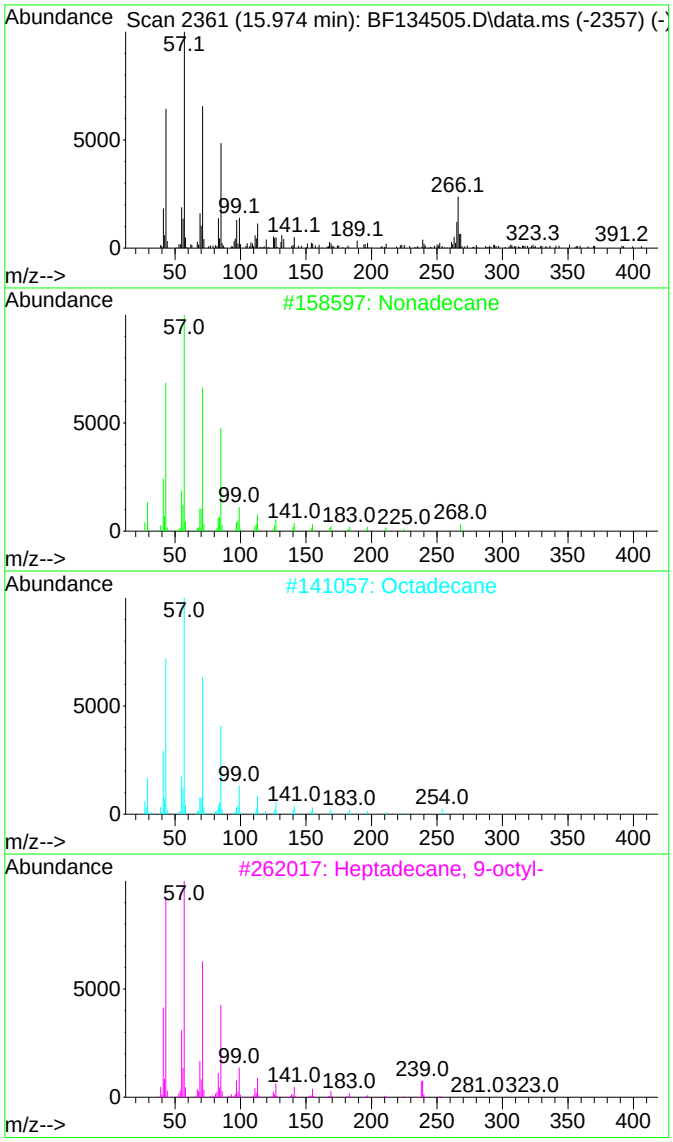
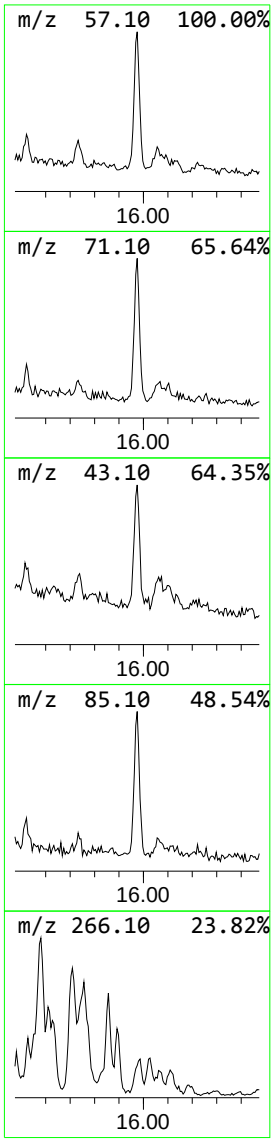
Peak Number 17 Nonadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.974 | 8.60 ng | 174119 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 92 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 64 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 62 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 62 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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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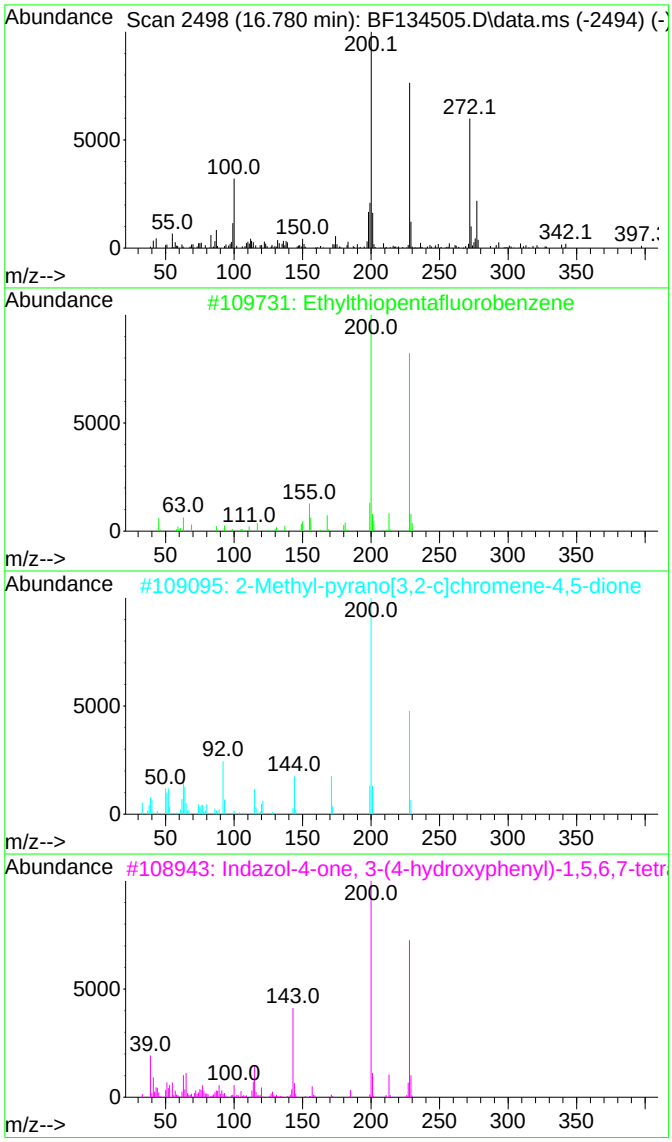
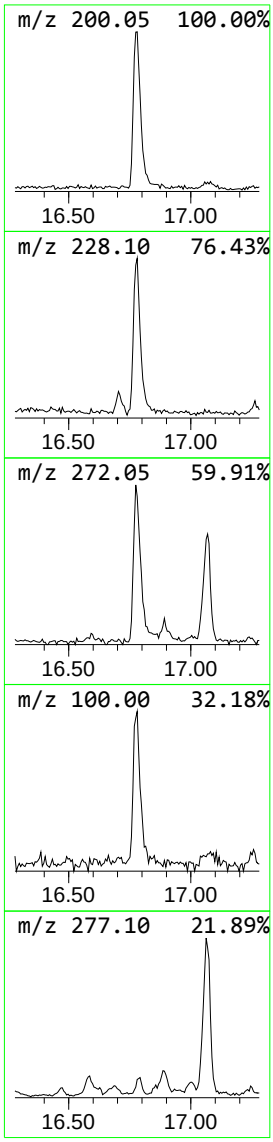
Peak Number 18 Ethylthiopentafluorobenzene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.780 | 7.14 ng | 144418 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylthiopentafluorobenzene | 228 | C8H5F5S | 033288-21-0 | 43 |
| 2 | 2-Methyl-pyrano[3,2-c]chromene-4... | 228 | C13H8O4 | 1000301-16-7 | 43 |
| 3 | Indazol-4-one, 3-(4-hydroxypheny... | 228 | C13H12N2O2 | 1000302-25-4 | 37 |
| 4 | Thiazolo[4,5-f]quinoline, 2-methyl- | 200 | C11H8N2S | 038463-33-1 | 25 |
| 5 | Phosphine, methyldiphenyl- | 200 | C13H13P | 001486-28-8 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

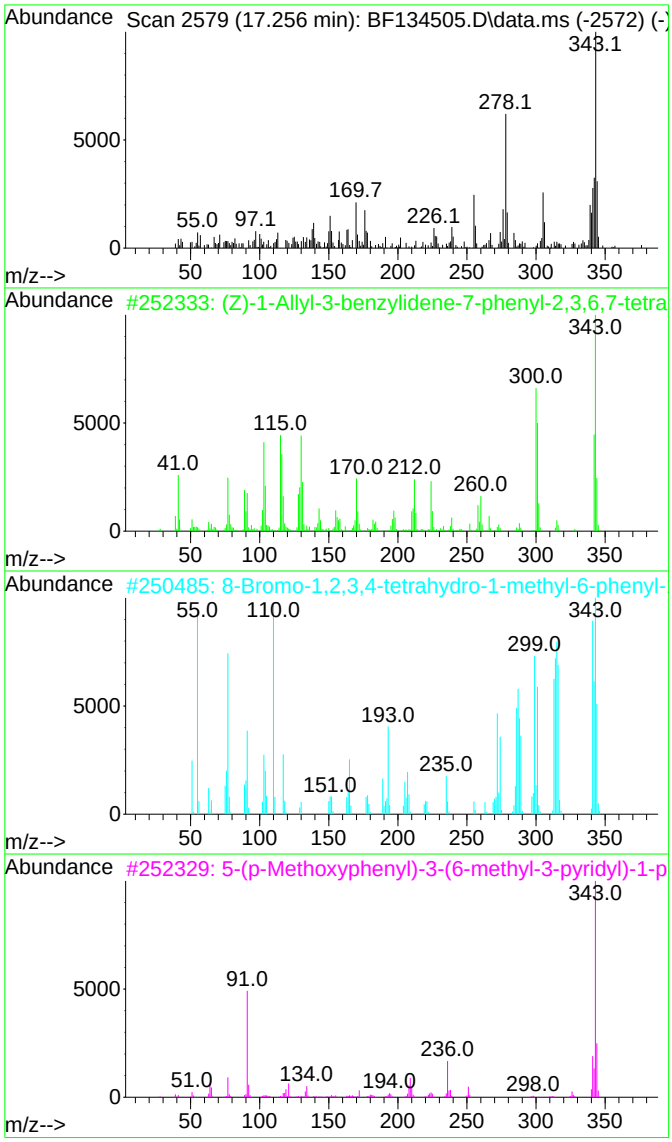
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

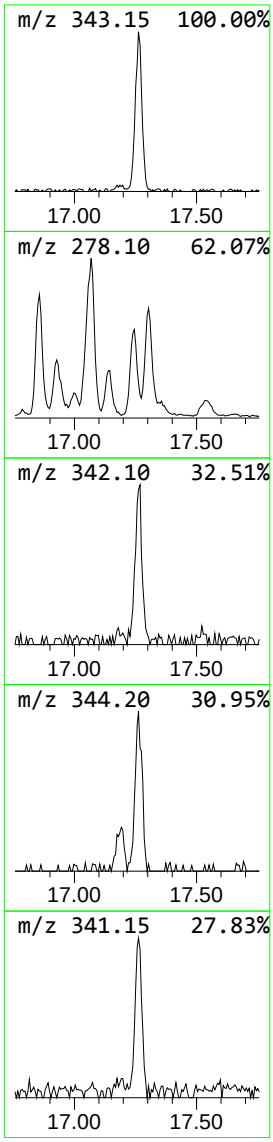
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 (Z)-1-Allyl-3-benzylidene-7... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.256 | 16.26 ng | 329017 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (Z)-1-Allyl-3-benzylidene-7-phen... | 343 | C22H21N3O | 1000482-30-8 | 89 |
| 2 | 8-Bromo-1,2,3,4-tetrahydro-1-met... | 342 | C17H15BrN2O | 063563-58-6 | 38 |
| 3 | 5-(p-Methoxyphenyl)-3-(6-methyl-... | 343 | C22H21N3O | 010040-61-6 | 38 |
| 4 | 6-Amino-4-(4-fluorophenyl)-3-met... | 343 | C20H14FN5 | 887396-42-1 | 38 |
| 5 | 2-propenoic acid, 3-[4-[(4-methy... | 343 | C23H21NO2 | 1000398-24-7 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

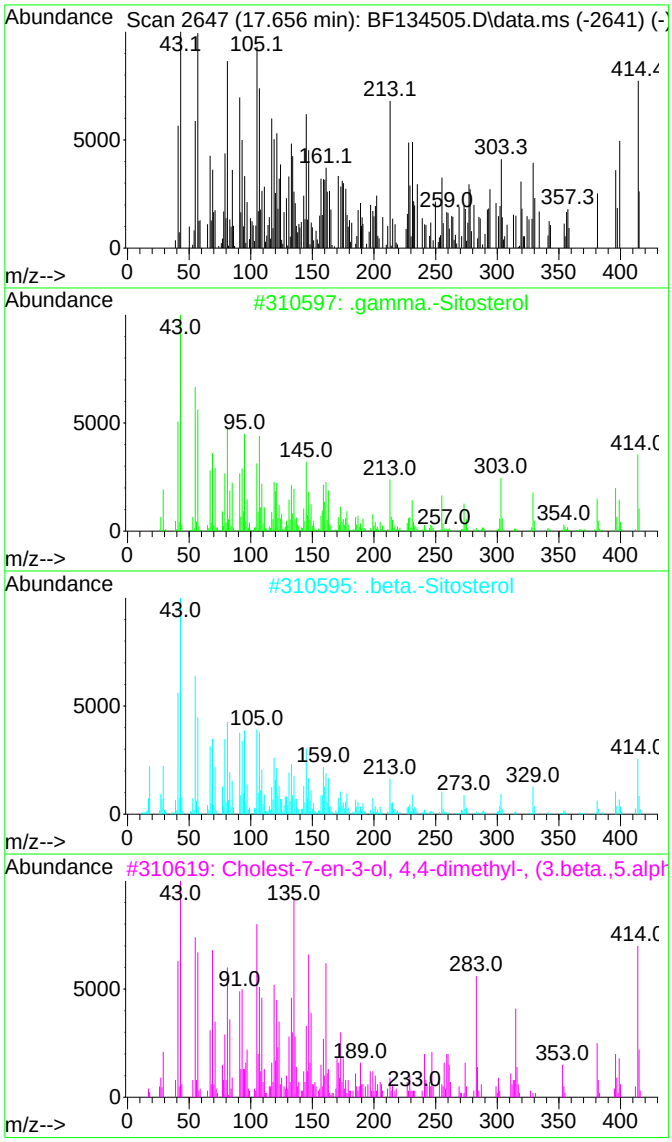
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

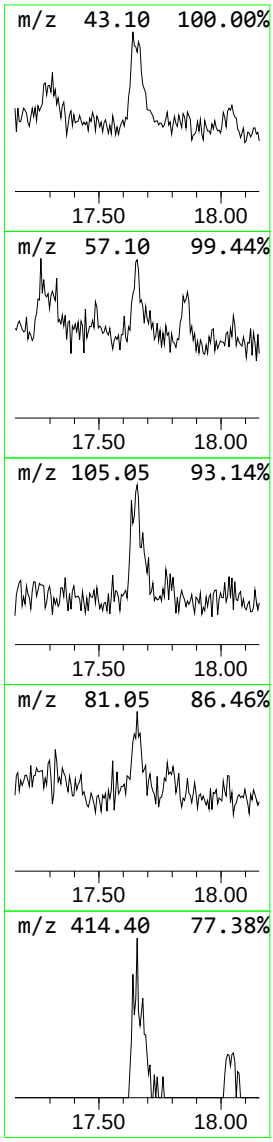
**********

Peak Number 20 .gamma.-Sitosterol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.657 | 12.21 ng | 247116 | Perylene-d12 | 15.533 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 90 |
| 2 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 76 |
| 3 | Cholest-7-en-3-ol, 4,4-dimethyl-... | 414 | C29H50O | 006384-28-7 | 47 |
| 4 | (4E,8E,13E)-Methyl 1,5,9-trimeth... | 304 | C20H32O2 | 1000426-95-9 | 15 |
| 5 | Benzenemethanol, 4,4'-sulfonylbis- | 278 | C14H14O4S | 052123-62-3 | 15 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
Data File : BF134505.D
Acq On : 27 Jul 2023 14:47
Operator : CG\JU
Sample : 03738-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
80001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.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 |
| unknown10.116 | 10.116 | 4.0 | ng | 149270 | 3 | 9.857 | 753110 | 20.0 |
| unknown10.192 | 10.192 | 7.1 | ng | 267792 | 3 | 9.857 | 753110 | 20.0 |
| unknown10.263 | 10.263 | 13.8 | ng | 519950 | 3 | 9.857 | 753110 | 20.0 |
| Naphthalene, 1,... | 10.775 | 19.4 | ng | 564412 | 4 | 11.363 | 580881 | 20.0 |
| Cyclopenta[cd]p... | 13.833 | 7.8 | ng | 1461620 | 5 | 14.033 | 3751820 | 20.0 |
| Cyclopenta(cd)p... | 14.139 | 4.0 | ng | 750855 | 5 | 14.033 | 3751820 | 20.0 |
| unknown14.163 | 14.163 | 4.4 | ng | 824836 | 5 | 14.033 | 3751820 | 20.0 |
| 2,2'-Binaphthalene | 14.610 | 3.4 | ng | 632638 | 5 | 14.033 | 3751820 | 20.0 |
| 5,12-Naphthacen... | 14.739 | 3.8 | ng | 705496 | 5 | 14.033 | 3751820 | 20.0 |
| Supraene | 14.868 | 20.4 | ng | 413098 | 6 | 15.533 | 404767 | 20.0 |
| 4,5-Dihydrobenz... | 14.927 | 42.2 | ng | 854614 | 6 | 15.533 | 404767 | 20.0 |
| Chrysin | 15.015 | 11.3 | ng | 228973 | 6 | 15.533 | 404767 | 20.0 |
| Benzo[e]pyrene | 15.204 | 22.8 | ng | 461168 | 6 | 15.533 | 404767 | 20.0 |
| Dinaphtho[1,2-b... | 15.292 | 14.5 | ng | 292708 | 6 | 15.533 | 404767 | 20.0 |
| Perylene | 15.410 | 92.7 | ng | 1875660 | 6 | 15.533 | 404767 | 20.0 |
| 2-Oxabicyclo[3.... | 15.668 | 6.5 | ng | 131726 | 6 | 15.533 | 404767 | 20.0 |
| Nonadecane | 15.974 | 8.6 | ng | 174119 | 6 | 15.533 | 404767 | 20.0 |
| Ethylthiopentaf... | 16.780 | 7.1 | ng | 144418 | 6 | 15.533 | 404767 | 20.0 |
| (Z)-1-Allyl-3-b... | 17.256 | 16.3 | ng | 329017 | 6 | 15.533 | 404767 | 20.0 |
| .gamma.-Sitosterol | 17.657 | 12.2 | ng | 247116 | 6 | 15.533 | 404767 | 20.0 |