LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.122 | 3 | 6 | 12 | rVB | 291143 | 347066 | 14.78% | 1.284% |
| 2 | 4.457 | 399 | 403 | 408 | rBV | 23180 | 30192 | 1.29% | 0.112% |
| 3 | 5.075 | 504 | 508 | 518 | rVB | 306013 | 352038 | 14.99% | 1.303% |
| 4 | 5.487 | 574 | 578 | 581 | rBV | 2060771 | 1854306 | 78.98% | 6.861% |
| 5 | 6.498 | 746 | 750 | 767 | rBV | 2079862 | 2078209 | 88.52% | 7.690% |
| 6 | 6.639 | 770 | 774 | 777 | rBV | 2605363 | 2139393 | 91.12% | 7.916% |
| 7 | 6.869 | 809 | 813 | 820 | rBV | 786723 | 591139 | 25.18% | 2.187% |
| 8 | 7.028 | 836 | 840 | 843 | rBV | 2140331 | 1771227 | 75.44% | 6.554% |
| 9 | 7.433 | 904 | 909 | 918 | rBV | 1248580 | 1196305 | 50.95% | 4.427% |
| 10 | 8.157 | 1028 | 1032 | 1040 | rBV | 736289 | 676857 | 28.83% | 2.505% |
| 11 | 9.233 | 1211 | 1215 | 1218 | rBV | 2739511 | 2277315 | 97.00% | 8.427% |
| 12 | 9.627 | 1279 | 1282 | 1286 | rBV | 124039 | 116860 | 4.98% | 0.432% |
| 13 | 9.916 | 1327 | 1331 | 1334 | rBV | 851669 | 671214 | 28.59% | 2.484% |
| 14 | 9.945 | 1334 | 1336 | 1342 | rVB | 76072 | 65828 | 2.80% | 0.244% |
| 15 | 10.121 | 1362 | 1366 | 1370 | rBV2 | 43184 | 40633 | 1.73% | 0.150% |
| 16 | 10.463 | 1421 | 1424 | 1429 | rBV | 53402 | 53454 | 2.28% | 0.198% |
| 17 | 10.710 | 1462 | 1466 | 1475 | rVB | 1390153 | 1317159 | 56.10% | 4.874% |
| 18 | 10.833 | 1482 | 1487 | 1490 | rBV | 101780 | 107507 | 4.58% | 0.398% |
| 19 | 10.886 | 1493 | 1496 | 1498 | rBV | 144830 | 116699 | 4.97% | 0.432% |
| 20 | 10.921 | 1498 | 1502 | 1505 | rVV2 | 128941 | 165058 | 7.03% | 0.611% |
| 21 | 10.951 | 1505 | 1507 | 1510 | rVV | 145431 | 126991 | 5.41% | 0.470% |
| 22 | 10.974 | 1510 | 1511 | 1514 | rVV | 80221 | 59379 | 2.53% | 0.220% |
| 23 | 11.021 | 1514 | 1519 | 1520 | rVV3 | 59688 | 82924 | 3.53% | 0.307% |
| 24 | 11.068 | 1524 | 1527 | 1530 | rVB3 | 115078 | 124181 | 5.29% | 0.459% |
| 25 | 11.104 | 1530 | 1533 | 1535 | rBV | 149367 | 122186 | 5.20% | 0.452% |
| 26 | 11.145 | 1538 | 1540 | 1543 | rVB2 | 91605 | 68427 | 2.91% | 0.253% |
| 27 | 11.268 | 1556 | 1561 | 1563 | rBV2 | 41725 | 48561 | 2.07% | 0.180% |
| 28 | 11.304 | 1563 | 1567 | 1574 | rVB3 | 45877 | 60624 | 2.58% | 0.224% |
| 29 | 11.410 | 1581 | 1585 | 1587 | rBV | 747993 | 659516 | 28.09% | 2.440% |
| 30 | 11.433 | 1587 | 1589 | 1592 | rVV | 611765 | 482576 | 20.55% | 1.786% |
| 31 | 11.486 | 1594 | 1598 | 1601 | rVB | 112256 | 116113 | 4.95% | 0.430% |
| 32 | 11.639 | 1619 | 1624 | 1630 | rBV2 | 64761 | 107936 | 4.60% | 0.399% |
| 33 | 11.910 | 1667 | 1670 | 1671 | rBV | 70766 | 58167 | 2.48% | 0.215% |
| 34 | 11.933 | 1671 | 1674 | 1681 | rVB2 | 207568 | 278058 | 11.84% | 1.029% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.986 | 1681 | 1683 | 1686 | rVB | 39142 | 35493 | 1.51% | 0.131% |
| 36 | 12.027 | 1686 | 1690 | 1692 | rBV | 120168 | 134336 | 5.72% | 0.497% |
| 37 | 12.104 | 1700 | 1703 | 1708 | rVB6 | 24237 | 32272 | 1.37% | 0.119% |
| 38 | 12.210 | 1718 | 1721 | 1723 | rBV | 55505 | 52638 | 2.24% | 0.195% |
| 39 | 12.233 | 1723 | 1725 | 1730 | rVB2 | 48607 | 49143 | 2.09% | 0.182% |
| 40 | 12.463 | 1760 | 1764 | 1767 | rBV | 65804 | 83637 | 3.56% | 0.309% |
| 41 | 12.498 | 1767 | 1770 | 1773 | rVV3 | 46407 | 59499 | 2.53% | 0.220% |
| 42 | 12.551 | 1776 | 1779 | 1783 | rBV3 | 45126 | 54122 | 2.31% | 0.200% |
| 43 | 12.627 | 1788 | 1792 | 1797 | rBV | 879141 | 720720 | 30.70% | 2.667% |
| 44 | 12.721 | 1805 | 1808 | 1812 | rBV4 | 72492 | 82649 | 3.52% | 0.306% |
| 45 | 12.857 | 1825 | 1831 | 1834 | rBV | 773690 | 865083 | 36.85% | 3.201% |
| 46 | 12.880 | 1834 | 1835 | 1838 | rVB | 131156 | 73951 | 3.15% | 0.274% |
| 47 | 12.998 | 1849 | 1855 | 1863 | rBV | 2508680 | 2347845 | 100.00% | 8.688% |
| 48 | 13.074 | 1864 | 1868 | 1872 | rBV2 | 62534 | 112041 | 4.77% | 0.415% |
| 49 | 13.162 | 1881 | 1883 | 1884 | rBV2 | 38573 | 28733 | 1.22% | 0.106% |
| 50 | 13.186 | 1884 | 1887 | 1890 | rVB | 84934 | 81352 | 3.46% | 0.301% |
| 51 | 13.251 | 1896 | 1898 | 1901 | rVB | 53447 | 42363 | 1.80% | 0.157% |
| 52 | 13.292 | 1902 | 1905 | 1908 | rVV2 | 81495 | 84432 | 3.60% | 0.312% |
| 53 | 13.898 | 2005 | 2008 | 2017 | rVB2 | 328479 | 466594 | 19.87% | 1.727% |
| 54 | 14.062 | 2031 | 2036 | 2038 | rBV2 | 880923 | 1065856 | 45.40% | 3.944% |
| 55 | 14.086 | 2038 | 2040 | 2047 | rVB | 416229 | 352343 | 15.01% | 1.304% |
| 56 | 15.115 | 2212 | 2215 | 2219 | rBV | 298981 | 436224 | 18.58% | 1.614% |
| 57 | 15.427 | 2265 | 2268 | 2274 | rVB | 195350 | 264400 | 11.26% | 0.978% |
| 58 | 15.492 | 2276 | 2279 | 2284 | rVV | 249927 | 308744 | 13.15% | 1.142% |
| 59 | 15.556 | 2286 | 2290 | 2301 | rVB2 | 524687 | 826708 | 35.21% | 3.059% |

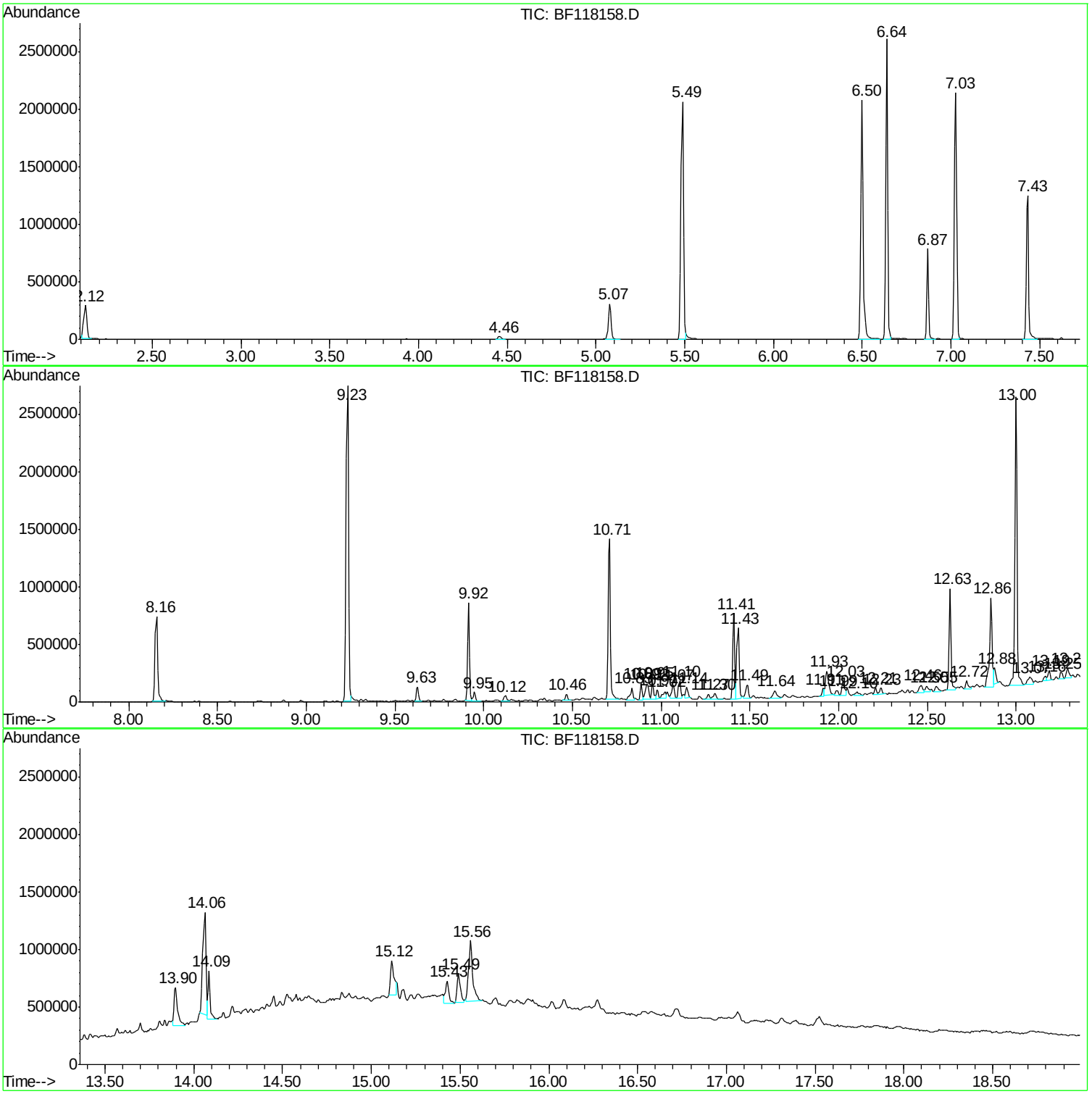
Sum of corrected areas: 27025276

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

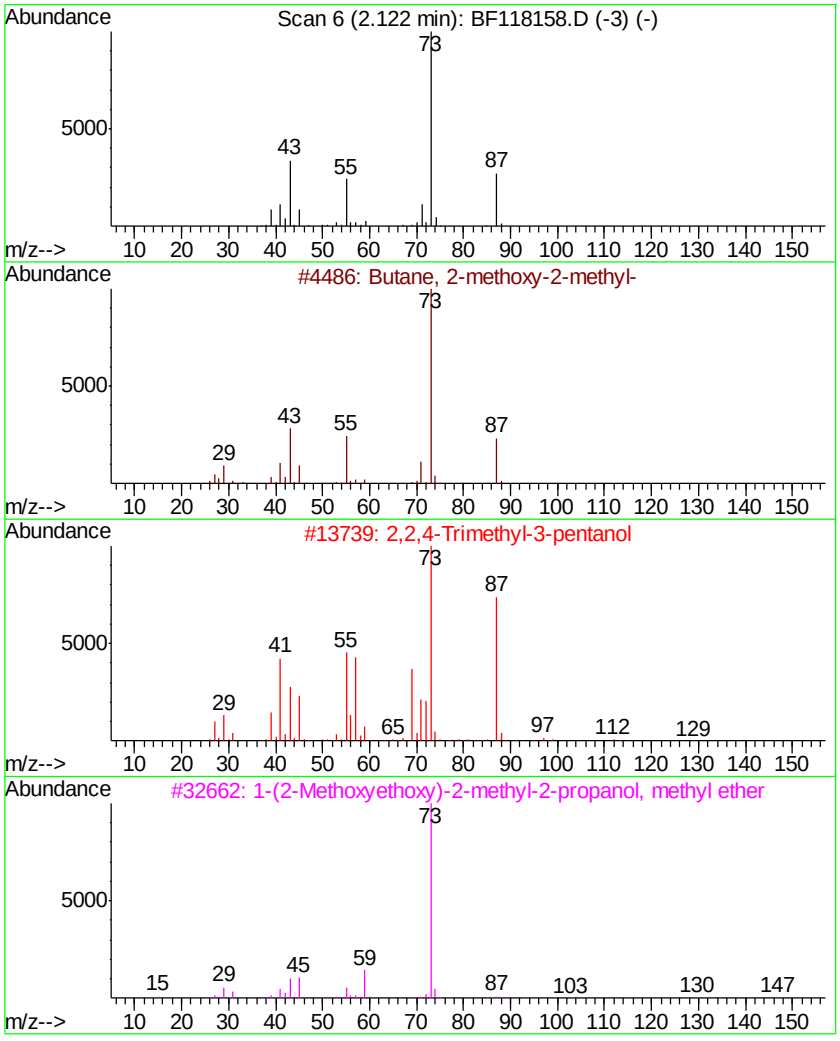
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

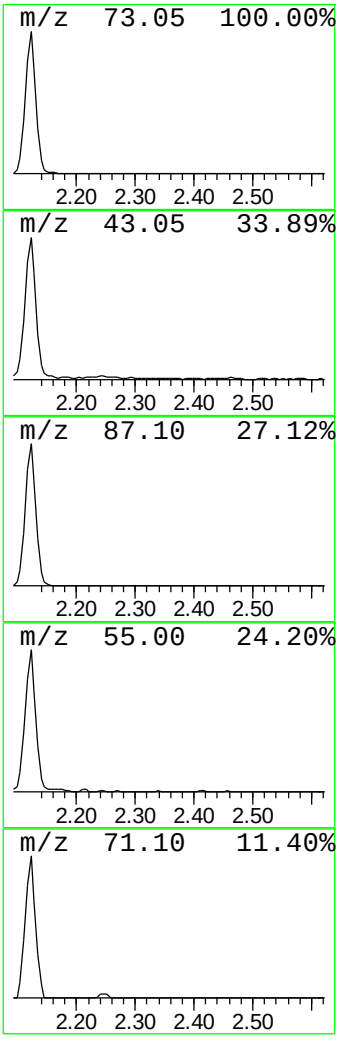
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.12 | 11.74 ng | 347066 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 86 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1-(2-Methoxyethoxy)-2-methyl-2-p... | 162 | C8H18O3 | 1000364-24-4 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

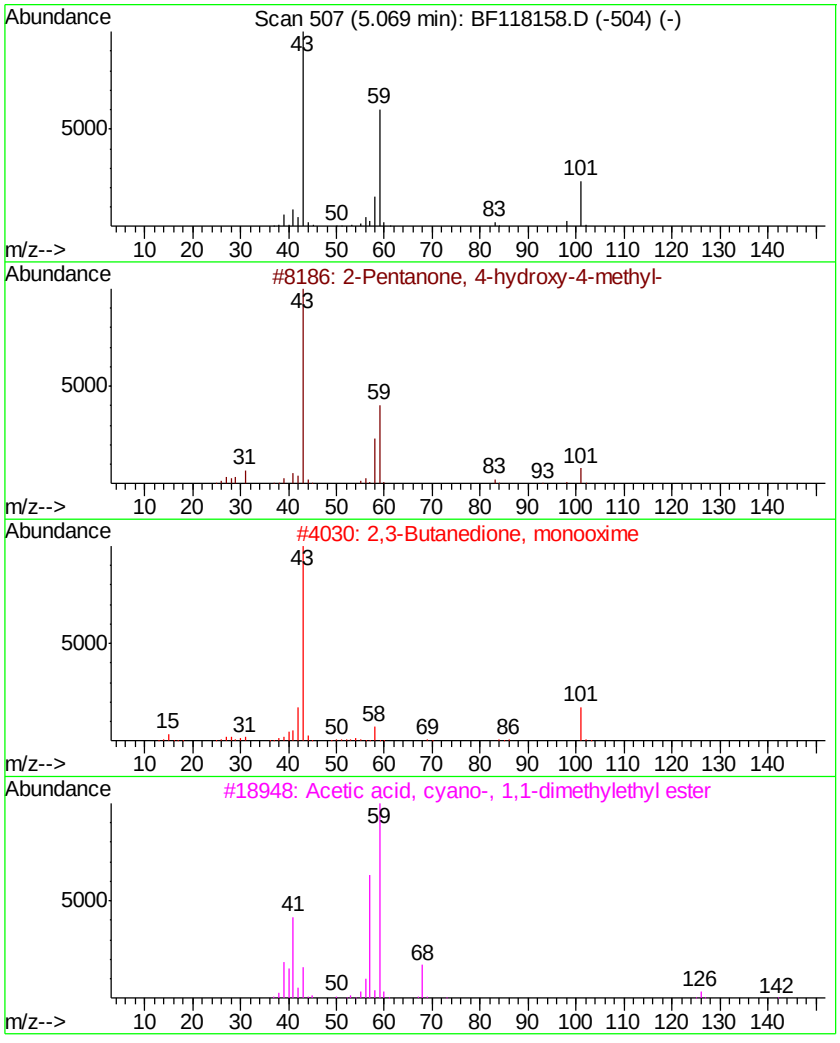
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

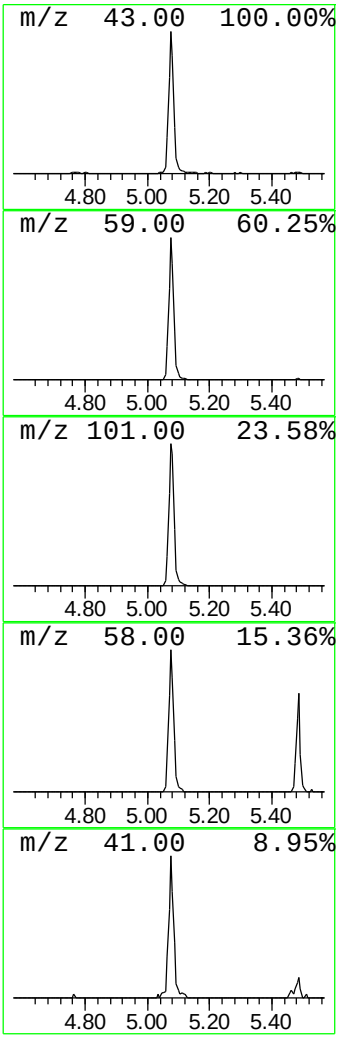
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 11.91 ng | 352038 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 35 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

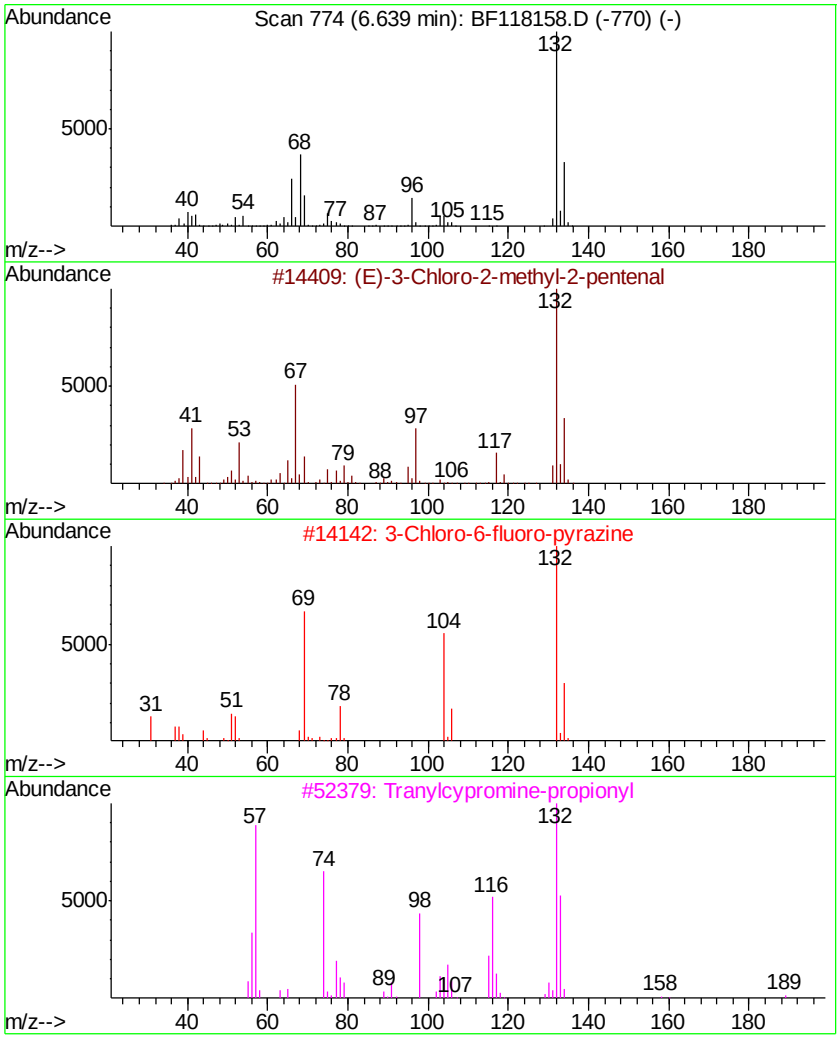
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

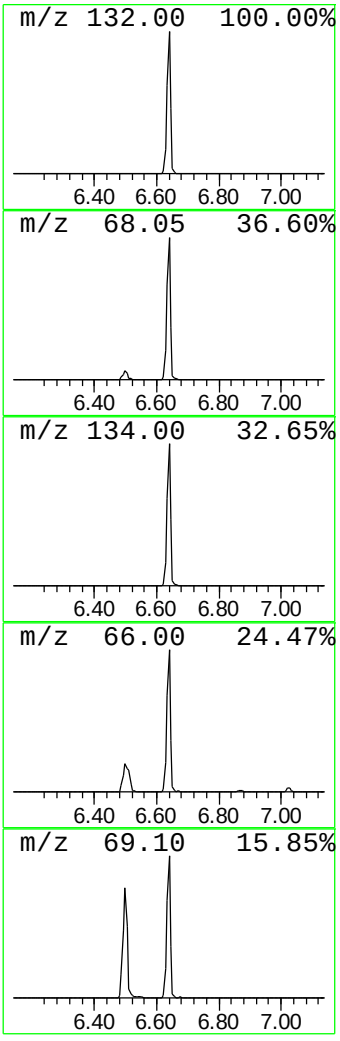
**********

Peak Number 3 unknown6.64 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.64 | 72.38 ng | 2139390 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

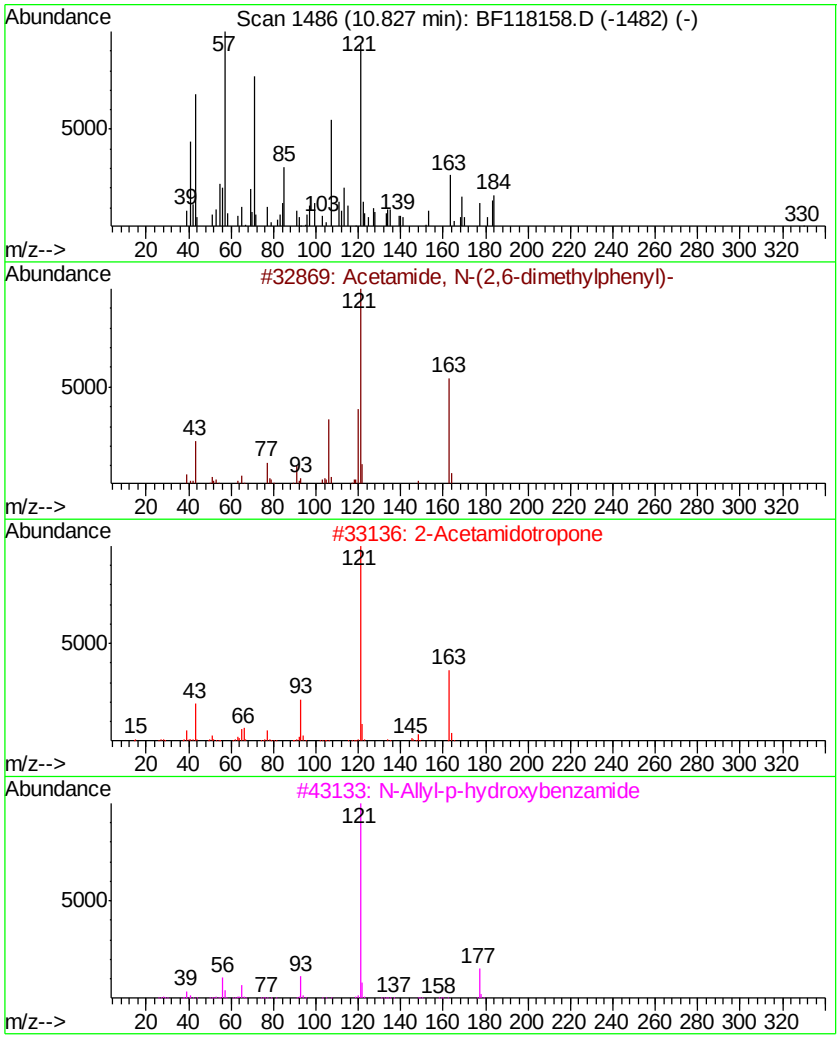
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

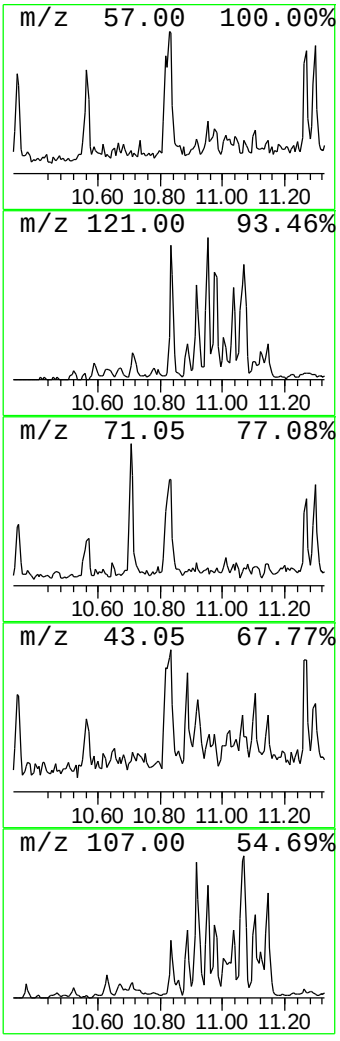
**********

Peak Number 5 unknown10.83 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.83 | 3.26 ng | 107507 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-(2,6-dimethylphenyl)- | 163 | C10H13NO | 002198-53-0 | 46 |
| 2 | 2-Acetamidotropone | 163 | C9H9NO2 | 006422-12-4 | 46 |
| 3 | N-Allyl-p-hydroxybenzamide | 177 | C10H11NO2 | 090921-72-5 | 38 |
| 4 | Benzenamine, 2,4-dimethyl- | 121 | C8H11N | 000095-68-1 | 35 |
| 5 | Benzene, 1-methoxy-4-pentyl- | 178 | C12H18O | 020056-58-0 | 35 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
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Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

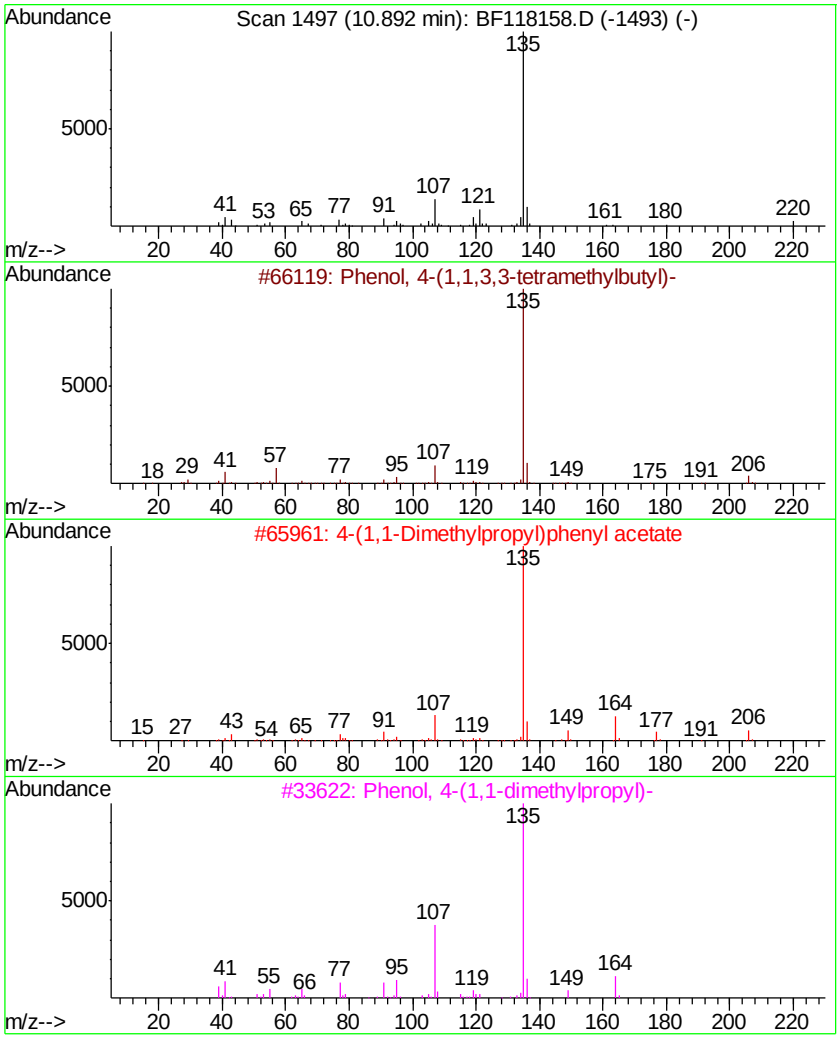
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

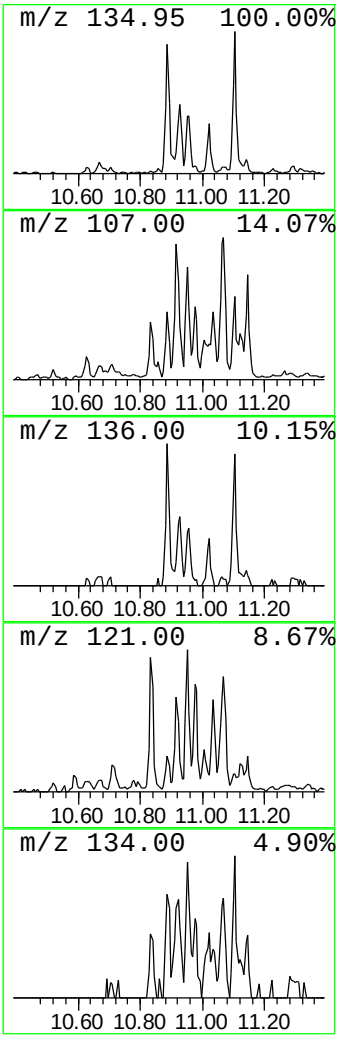
**********

Peak Number 6 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.89 | 3.54 ng | 116699 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 2 | 4-(1,1-Dimethylpropyl)phenyl ace... | 206 | C13H18O2 | 1000373-45-3 | 78 |
| 3 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 72 |
| 4 | Phenol, 2-methyl-5-(1-methylethyl)- | 150 | C10H14O | 000499-75-2 | 72 |
| 5 | 2-Methyl-2-(4'-hydroxyphenyl)pen... | 192 | C12H16O2 | 070205-18-4 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

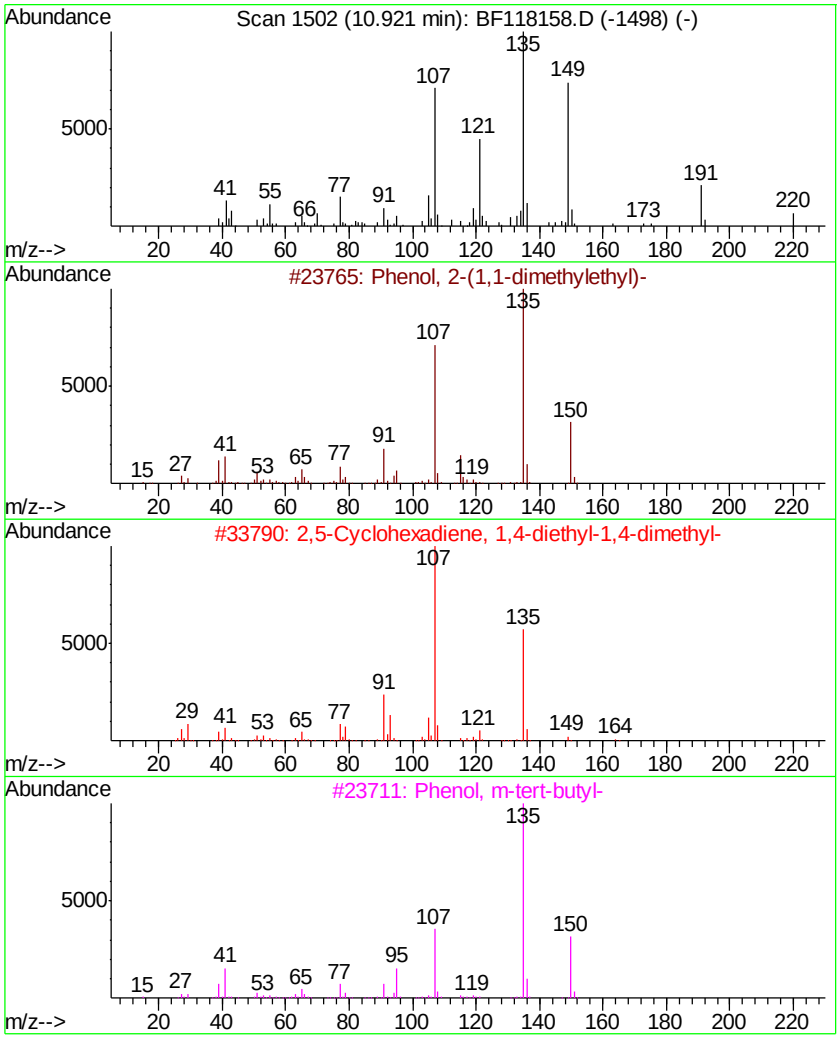
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

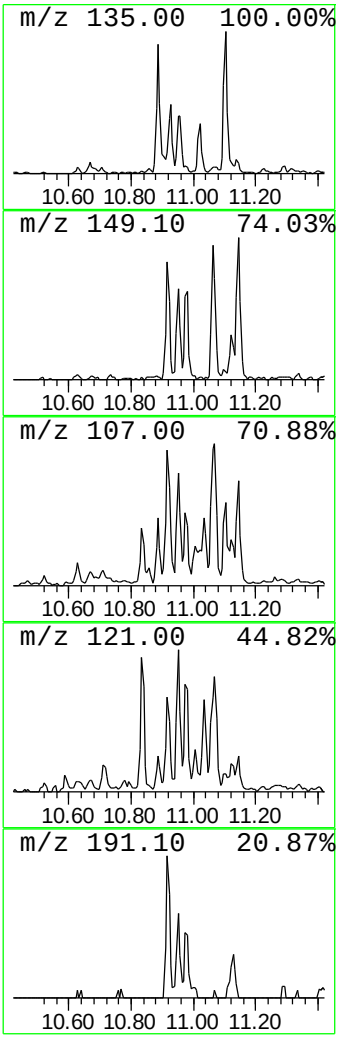
**********

Peak Number 7 unknown10.92 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.92 | 5.01 ng | 165058 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-(1,1-dimethylethyl)- | 150 | C10H14O | 000088-18-6 | 43 |
| 2 | 2,5-Cyclohexadiene, 1,4-diethyl-... | 164 | C12H20 | 1000150-21-6 | 43 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 43 |
| 4 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 43 |
| 5 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

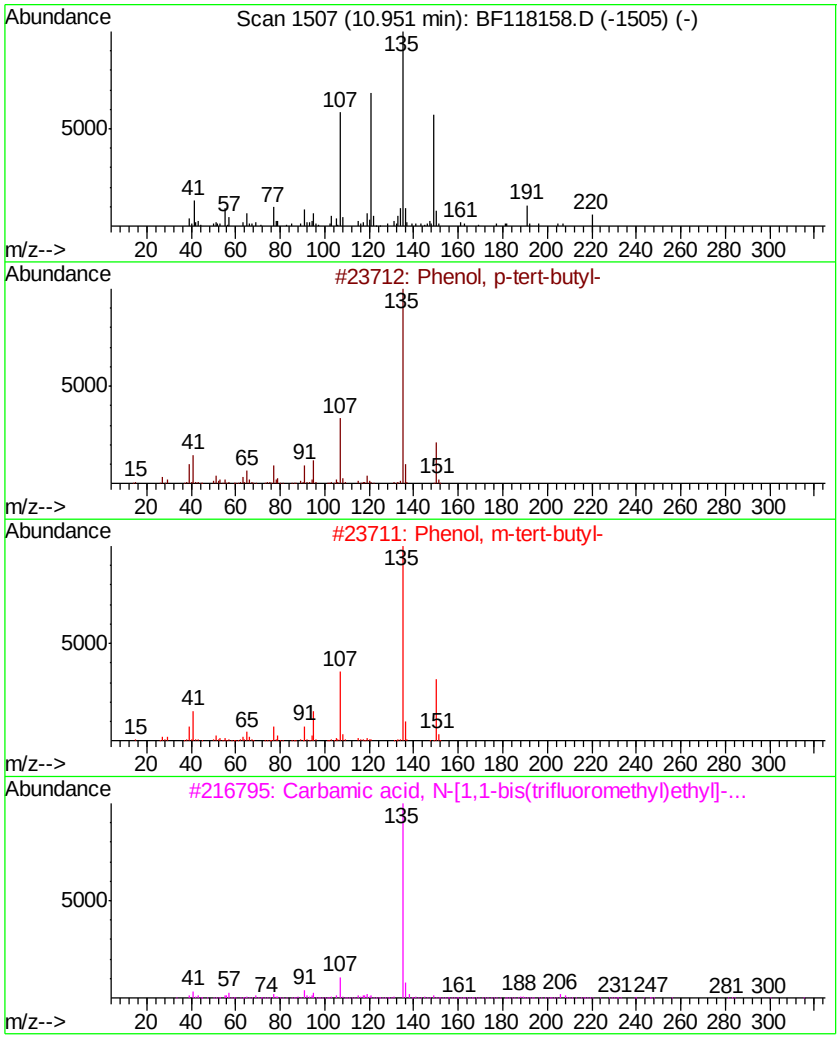
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

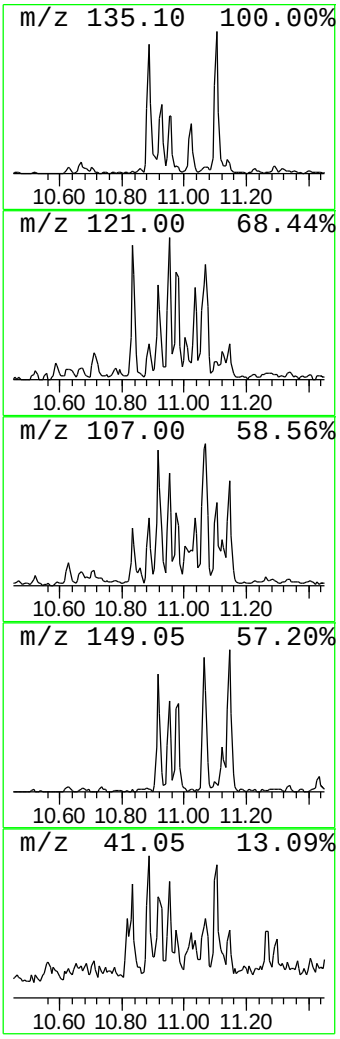
**********

Peak Number 8 Phenol, p-tert-butyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.95 | 3.85 ng | 126991 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 60 |
| 2 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 49 |
| 3 | Carbamic acid, N-[1,1-bis(triflu... | 413 | C19H25F6NO2 | 296242-69-8 | 38 |
| 4 | 4-tert-Butylphenyl acetate | 192 | C12H16O2 | 003056-64-2 | 38 |
| 5 | 1-Adamantyl bromomethyl ketone | 256 | C12H17BrO | 005122-82-7 | 35 |



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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

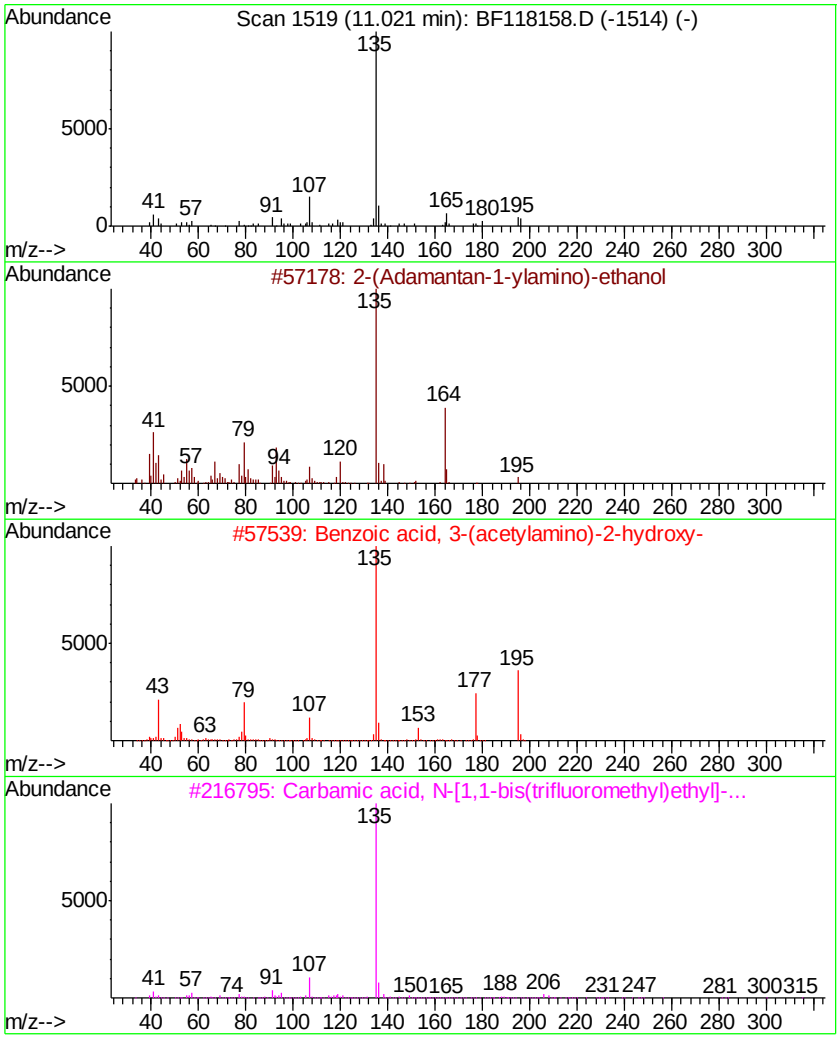
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

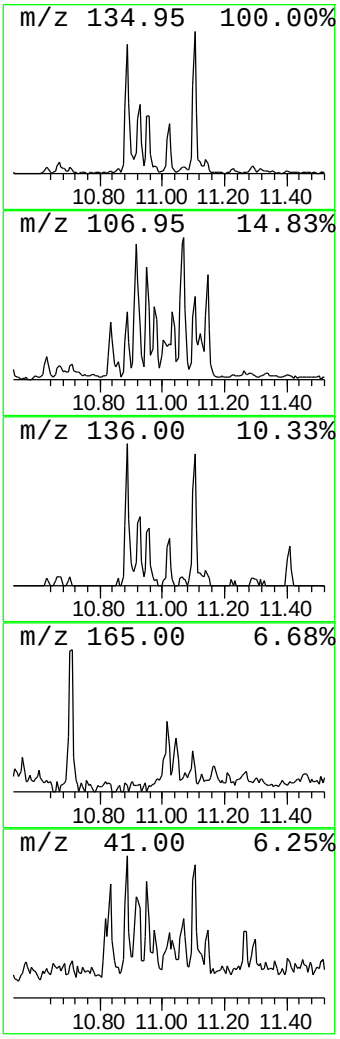
**********

Peak Number 9 2-(Adamantan-1-ylamino)-eth... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.02 | 2.51 ng | 82924 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-(Adamantan-1-ylamino)-ethanol | 195 | C12H21NO | 1000300-19-1 | 72 |
| 2 | Benzoic acid, 3-(acetylamino)-2-... | 195 | C9H9NO4 | 1000351-42-3 | 72 |
| 3 | Carbamic acid, N-[1,1-bis(triflu... | 413 | C19H25F6NO2 | 296242-69-8 | 64 |
| 4 | 2-Methyl-2-(4'-hydroxyphenyl)pen... | 192 | C12H16O2 | 070205-18-4 | 59 |
| 5 | 4'-Methoxybutyrophenone | 178 | C11H14O2 | 004160-51-4 | 59 |



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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

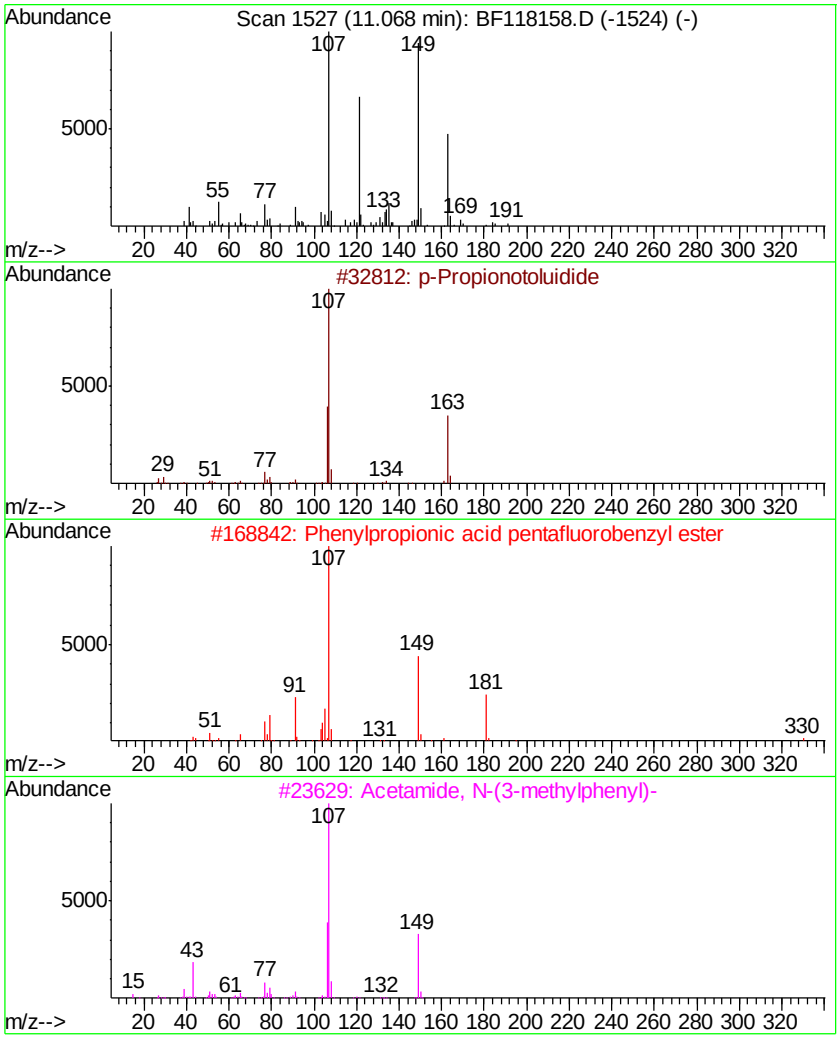
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

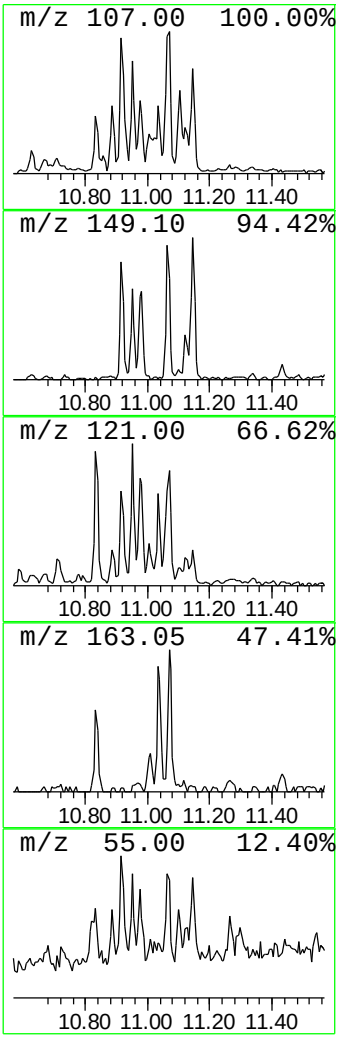
**********

Peak Number 10 unknown11.07 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.07 | 3.77 ng | 124181 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Propionotoluidide | 163 | C10H13NO | 002759-55-9 | 43 |
| 2 | Phenylpropionic acid pentafluoro... | 330 | C16H11F5O2 | 062434-95-1 | 38 |
| 3 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 38 |
| 4 | Acetamide, N-(4-methylphenyl)- | 149 | C9H11NO | 000103-89-9 | 38 |
| 5 | 5H-Pyrrolo(3,2-d)pyrimidine-2,4-... | 149 | C6H7N5 | 1000244-21-4 | 35 |



Library Search Compound Report

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Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

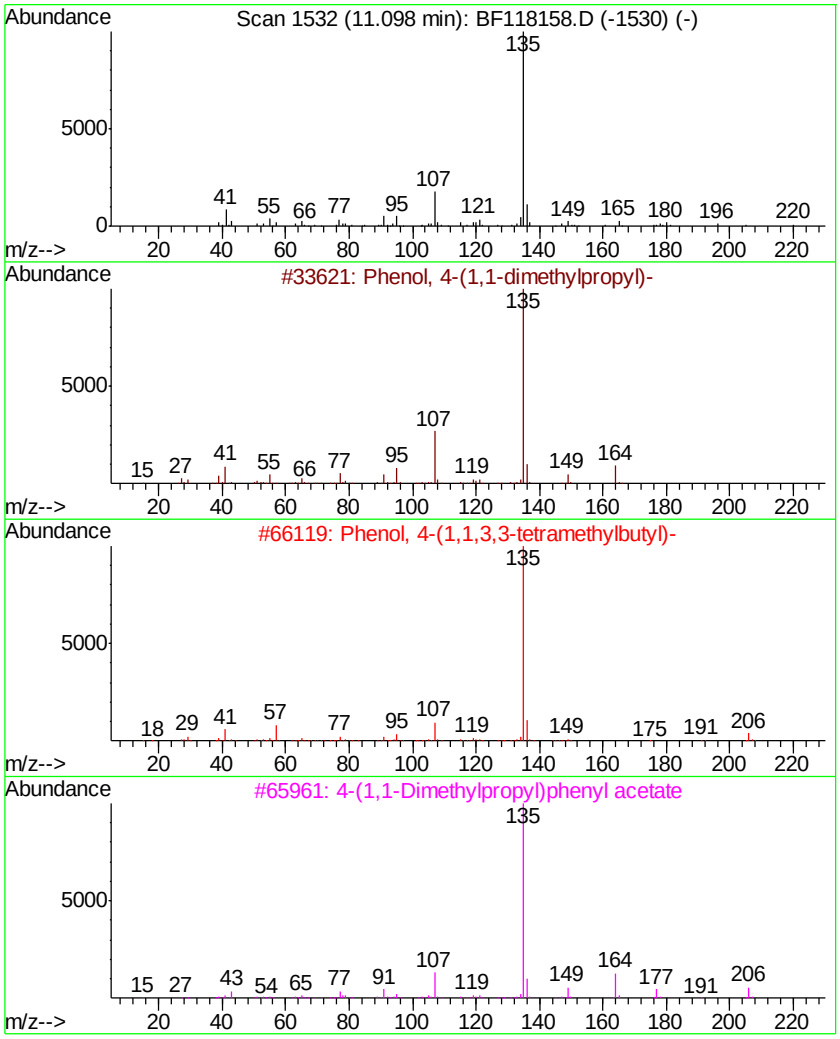
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

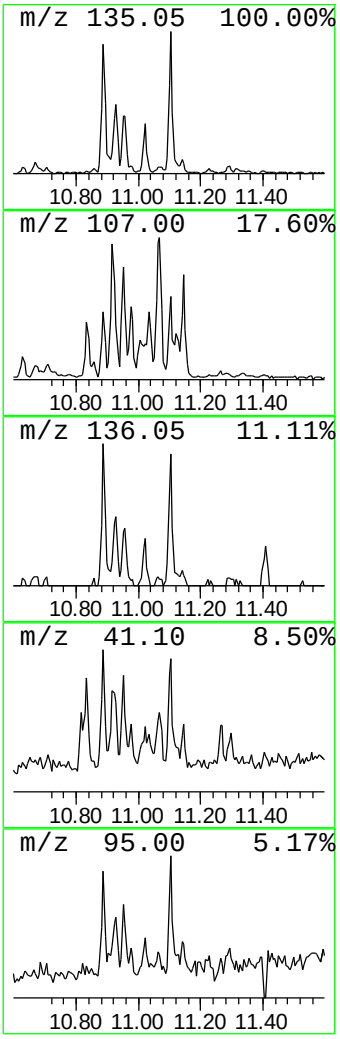
**********

Peak Number 11 Phenol, 4-(1,1-dimethylprop... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.10 | 3.71 ng | 122186 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 78 |
| 2 | Phenol, 4-(1,1,3,3-tetramethylbu... | 206 | C14H22O | 000140-66-9 | 78 |
| 3 | 4-(1,1-Dimethylpropyl)phenyl ace... | 206 | C13H18O2 | 1000373-45-3 | 78 |
| 4 | Butane, 1,3-dibromo- | 214 | C4H8Br2 | 000107-80-2 | 78 |
| 5 | Pentanoic acid, 5-hydroxy-, p-t-... | 250 | C15H22O3 | 166273-37-6 | 72 |



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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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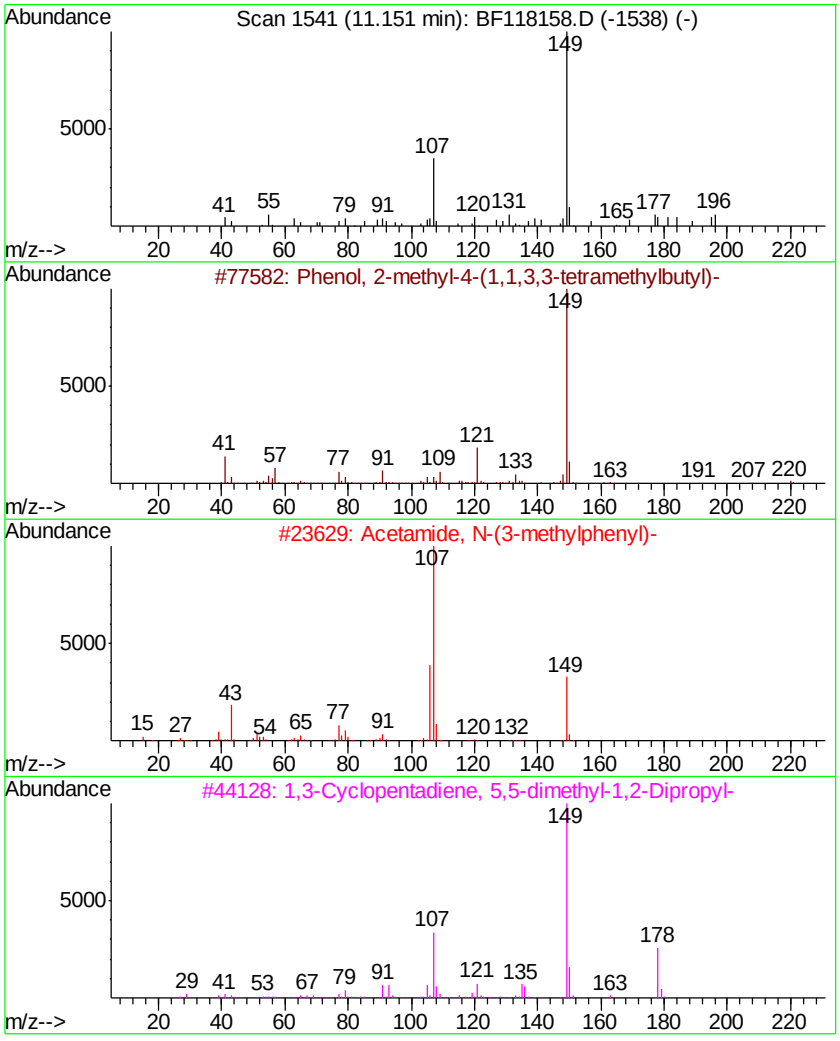
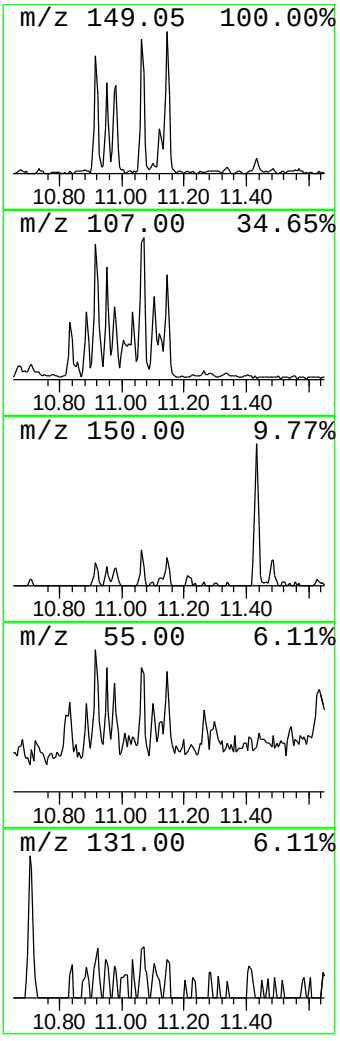
Peak Number 12 Phenol, 2-methyl-4-(1,1,3,3... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.15 | 2.08 ng | 68427 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methyl-4-(1,1,3,3-tetr... | 220 | C15H24O | 002219-84-3 | 60 |
| 2 | Acetamide, N-(3-methylphenyl)- | 149 | C9H11NO | 000537-92-8 | 59 |
| 3 | 1,3-Cyclopentadiene, 5,5-dimethy... | 178 | C13H22 | 1000163-88-0 | 53 |
| 4 | Phthalic acid, 4-isopropylphenyl... | 354 | C22H26O4 | 1000315-22-2 | 47 |
| 5 | Benzene, 1-(1,1-dimethylethyl)-4... | 164 | C11H16O | 005396-38-3 | 47 |



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Acq On : 9 Dec 2019 21:40
Operator : JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

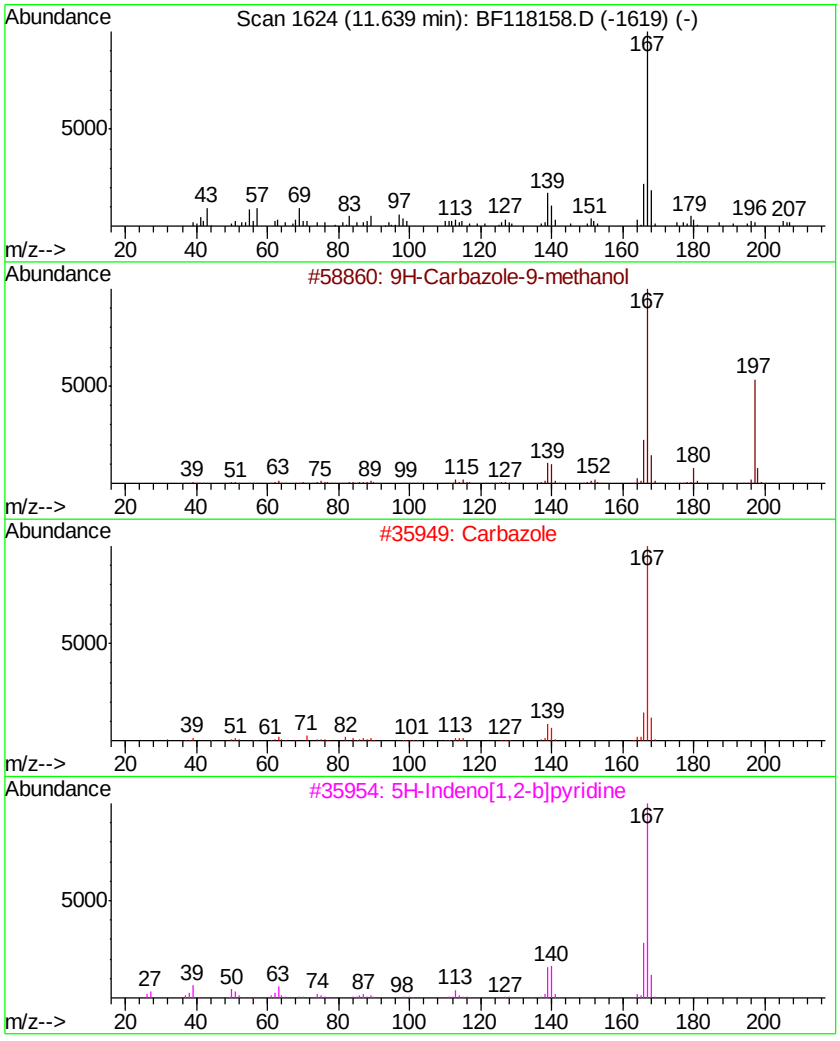
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

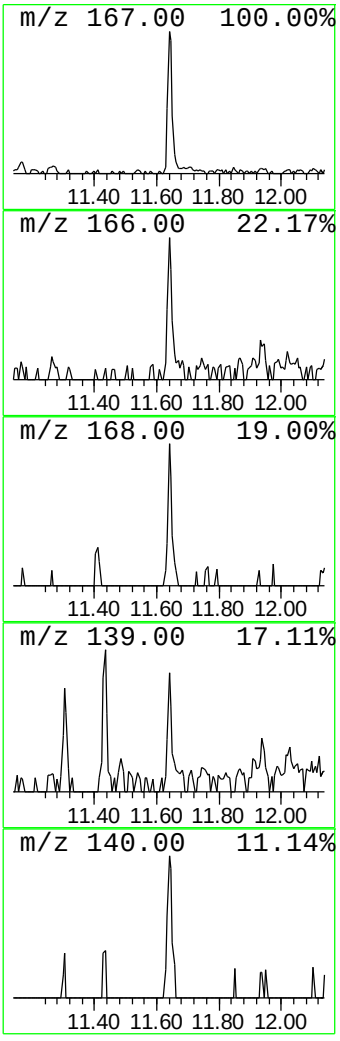
**********

Peak Number 13 9H-Carbazole-9-methanol Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.64 | 3.27 ng | 107936 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 87 |
| 2 | Carbazole | 167 | C12H9N | 000086-74-8 | 86 |
| 3 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 80 |
| 4 | 9H-Carbazole, 9-nitroso- | 196 | C12H8N2O | 002788-23-0 | 78 |
| 5 | Benzene, 1,1'-(chloromethylene)bis- | 202 | C13H11Cl | 000090-99-3 | 59 |



# Library Search Compound Report

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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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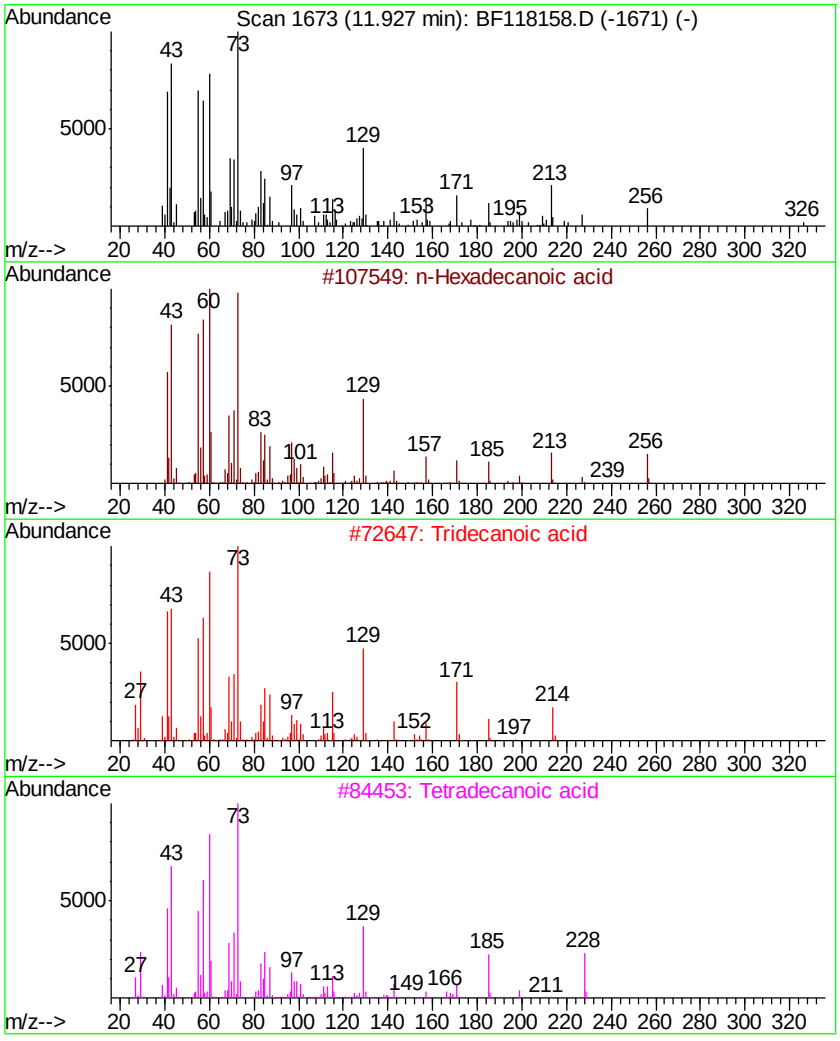
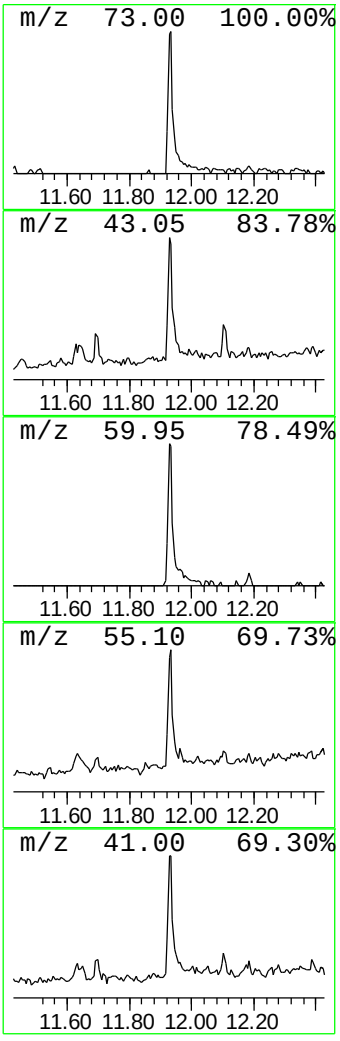
Peak Number 14 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 8.43 ng | 278058 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 81 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 76 |



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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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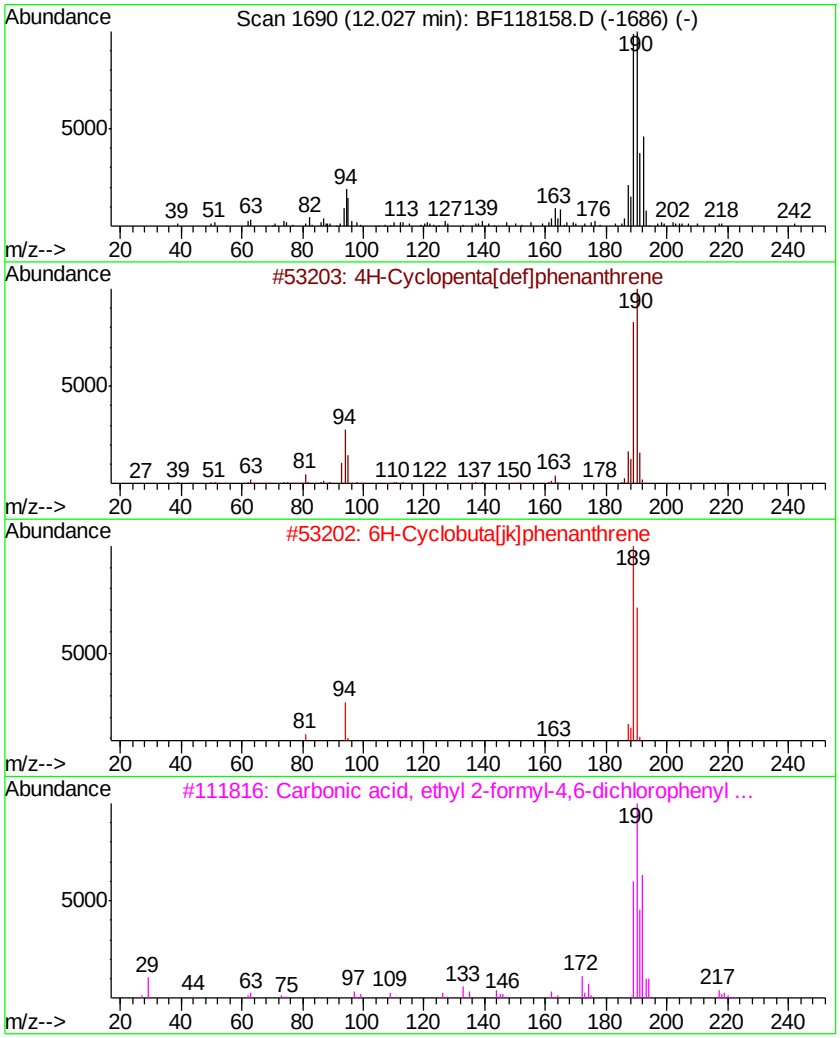
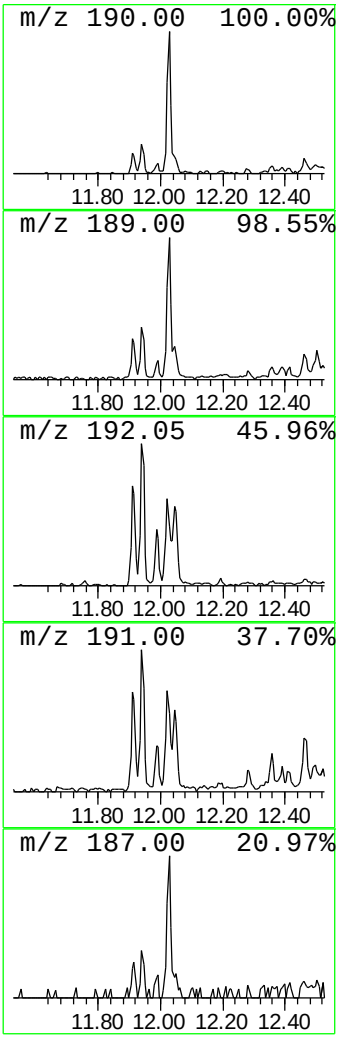
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.03 | 4.07 ng | 134336 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4 | 1000331-34-4 | 50 |
| 4 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 49 |
| 5 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 47 |



# Library Search Compound Report

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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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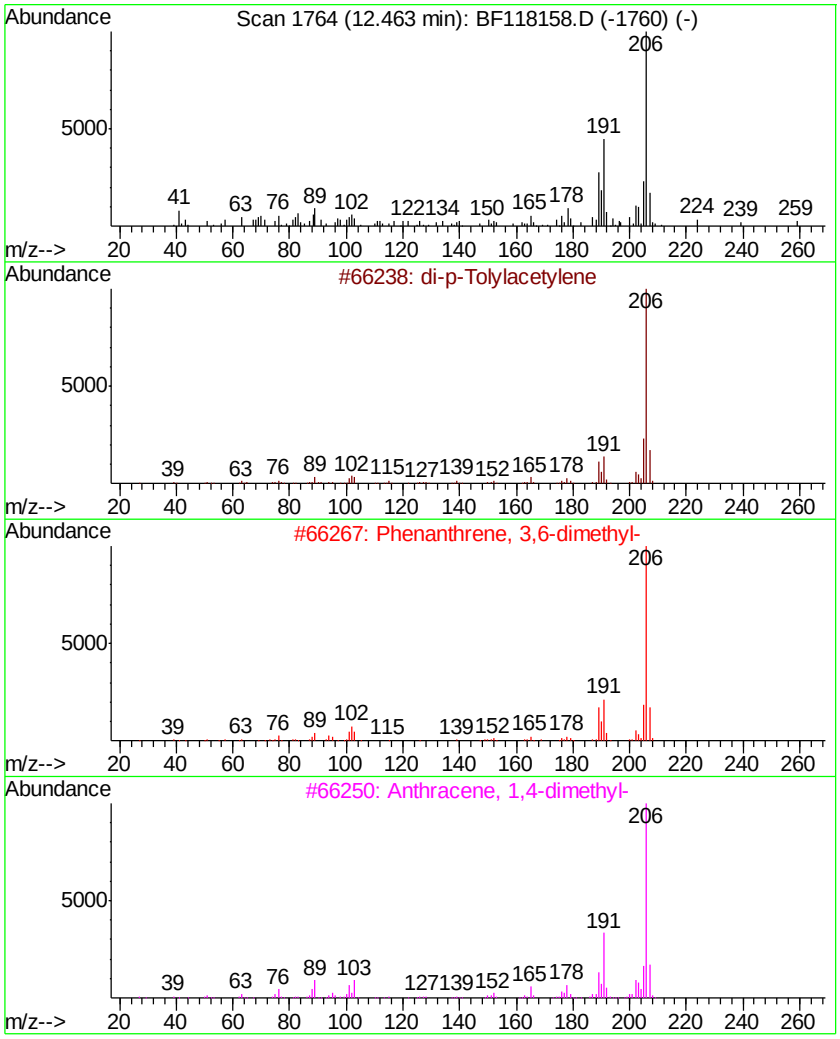
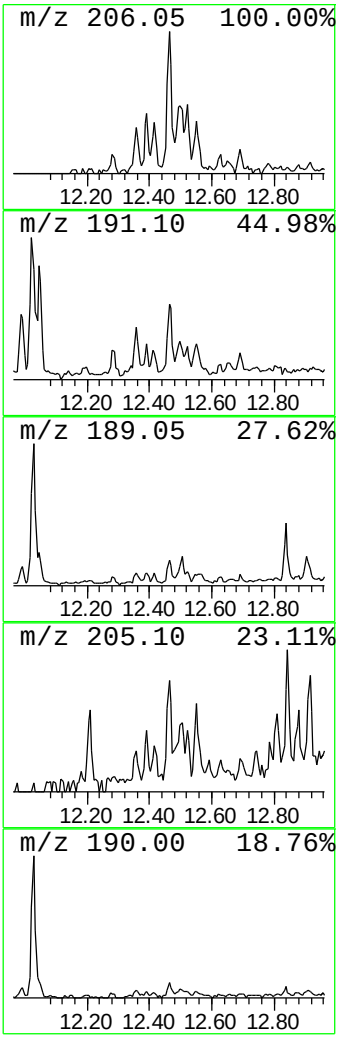
Peak Number 16 di-p-Tolylacetylene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.46 | 2.54 ng | 83637 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 94 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 93 |
| 3 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 91 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 5 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

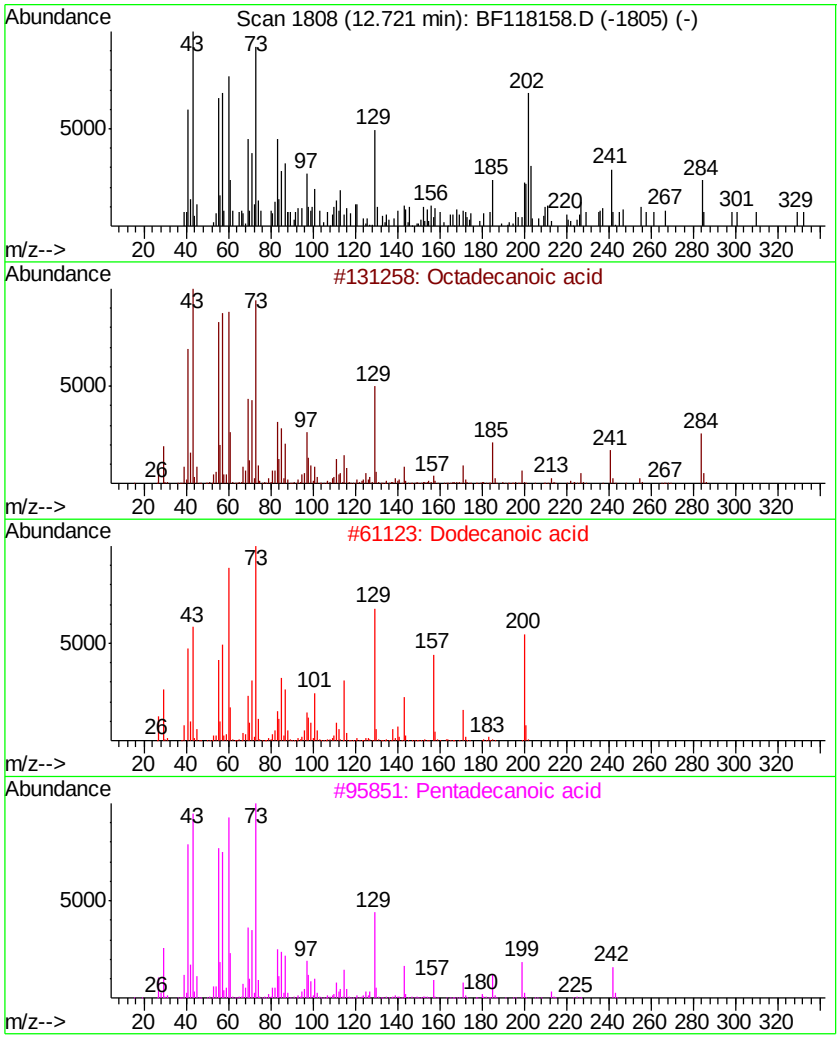
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

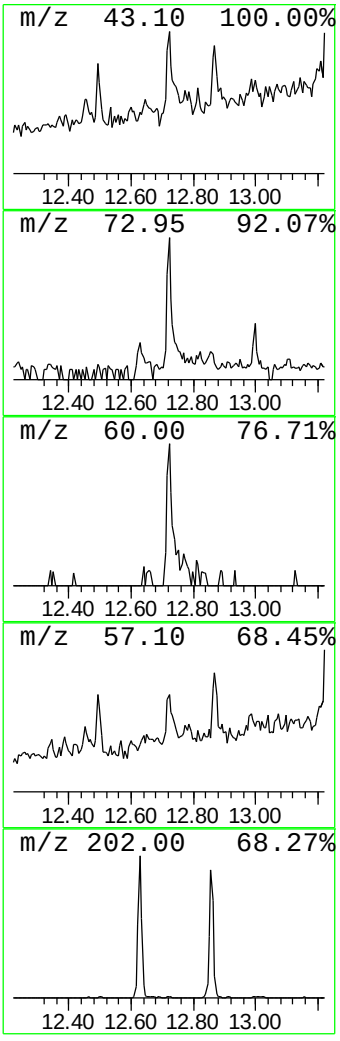
**********

Peak Number 17 Octadecanoic acid Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 2.51 ng | 82649 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 42 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 30 |
| 5 | Nonadecanoic acid | 298 | C19H38O2 | 000646-30-0 | 27 |



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Acq On : 9 Dec 2019 21:40
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Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

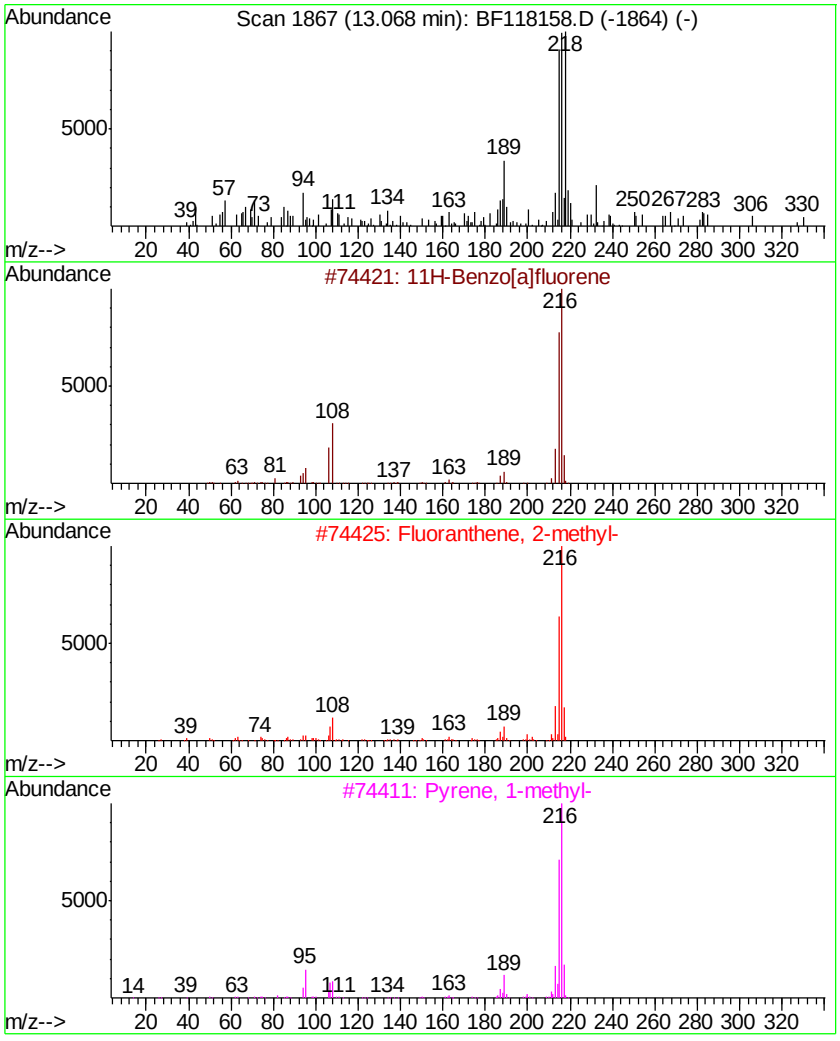
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

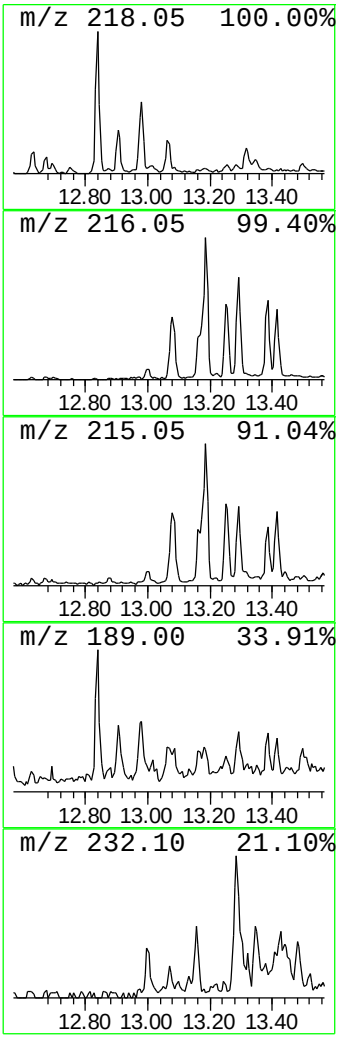
**********

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.07 | 2.10 ng | 112041 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 80 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 76 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 74 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 64 |
| 5 | 1,3,5-Triazine-2,4,6-triamine, N... | 216 | C10H12N6 | 046731-79-7 | 59 |



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Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

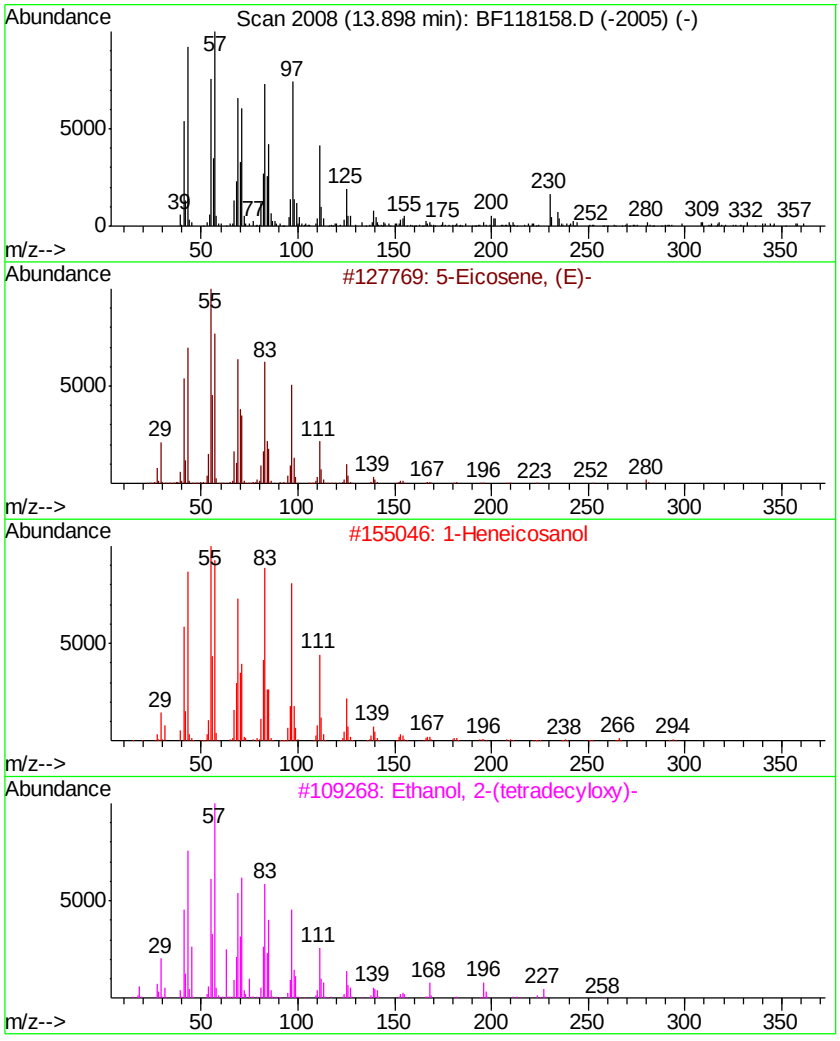
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

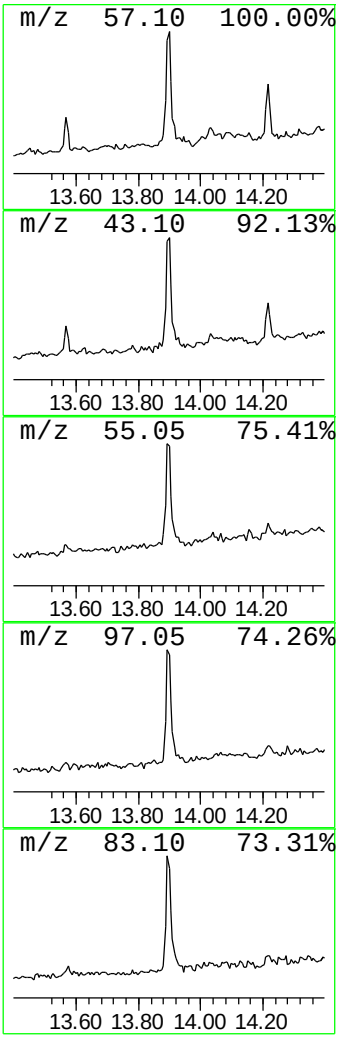
**********

Peak Number 19 5-Eicosene, (E)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.90 | 8.76 ng | 466594 | Chrysene-d12 | 14.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 94 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 93 |
| 4 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |
| 5 | Eicosyl heptafluorobutyrate | 494 | C24H41F7O2 | 1000351-83-5 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

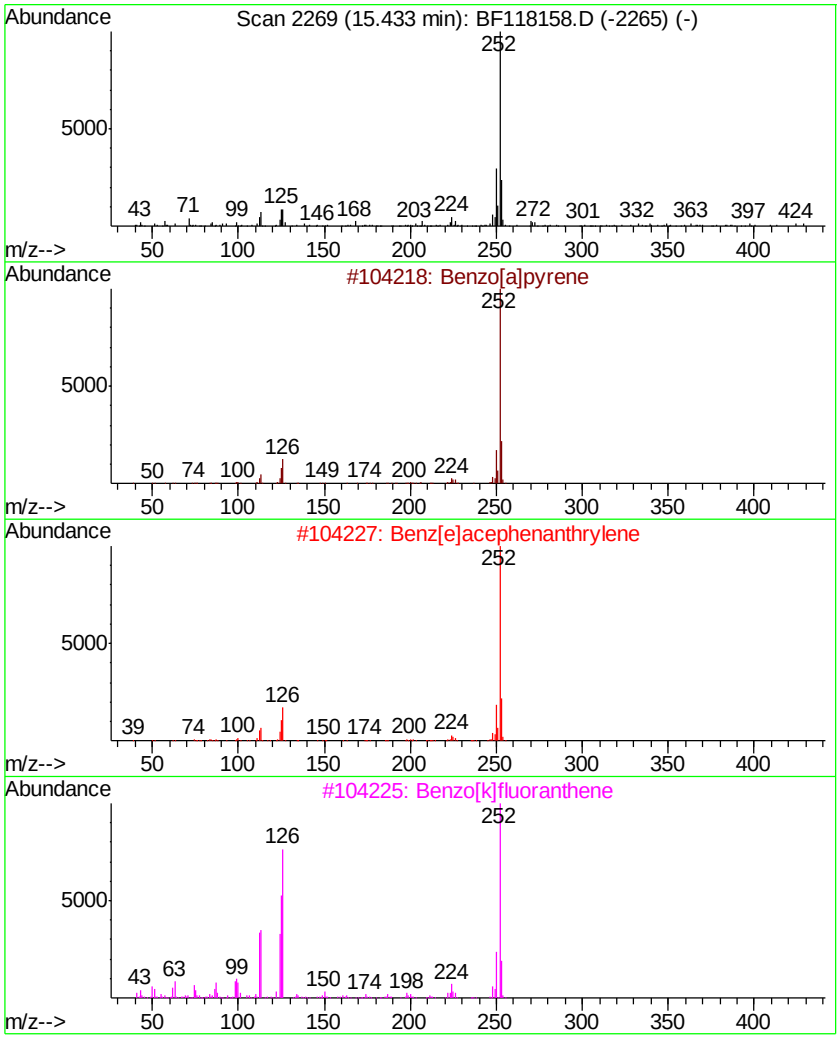
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

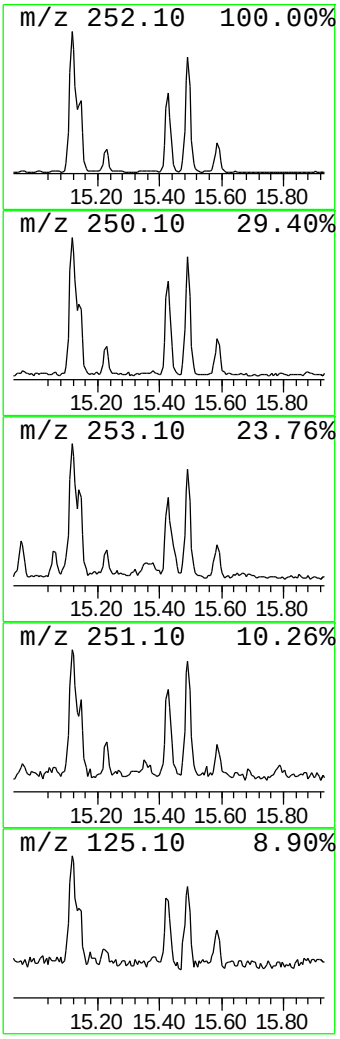
**********

Peak Number 20 Benzo[e]pyrene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.43 | 6.40 ng | 264400 | Perylene-d12 | 15.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 94 |
| 2 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 90 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 81 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120919\
Data File : BF118158.D
Acq On : 9 Dec 2019 21:40
Operator : JU
Sample : K6194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Butane, 2-methoxy... | 2.12 | 11.7 | ng | 347066 | 1 | 6.87 | 591139 | 20.0 |
| 2-Pentanone, 4-hy... | 5.07 | 11.9 | ng | 352038 | 1 | 6.87 | 591139 | 20.0 |
| unknown6.64 | 6.64 | 72.4 | ng | 2139390 | 1 | 6.87 | 591139 | 20.0 |
| unknown10.83 | 10.83 | 3.3 | ng | 107507 | 4 | 11.41 | 659516 | 20.0 |
| Phenol, 4-(1,1,3,... | 10.89 | 3.5 | ng | 116699 | 4 | 11.41 | 659516 | 20.0 |
| unknown10.92 | 10.92 | 5.0 | ng | 165058 | 4 | 11.41 | 659516 | 20.0 |
| Phenol, p-tert-bu... | 10.95 | 3.9 | ng | 126991 | 4 | 11.41 | 659516 | 20.0 |
| 2-(Adamantan-1-yl... | 11.02 | 2.5 | ng | 82924 | 4 | 11.41 | 659516 | 20.0 |
| unknown11.07 | 11.07 | 3.8 | ng | 124181 | 4 | 11.41 | 659516 | 20.0 |
| Phenol, 4-(1,1-di... | 11.10 | 3.7 | ng | 122186 | 4 | 11.41 | 659516 | 20.0 |
| Phenol, 2-methyl-... | 11.15 | 2.1 | ng | 68427 | 4 | 11.41 | 659516 | 20.0 |
| 9H-Carbazole-9-me... | 11.64 | 3.3 | ng | 107936 | 4 | 11.41 | 659516 | 20.0 |
| n-Hexadecanoic acid | 11.93 | 8.4 | ng | 278058 | 4 | 11.41 | 659516 | 20.0 |
| 4H-Cyclopenta[def... | 12.03 | 4.1 | ng | 134336 | 4 | 11.41 | 659516 | 20.0 |
| di-p-Tolylacetylene | 12.46 | 2.5 | ng | 83637 | 4 | 11.41 | 659516 | 20.0 |
| Octadecanoic acid | 12.72 | 2.5 | ng | 82649 | 4 | 11.41 | 659516 | 20.0 |
| 11H-Benzo[a]fluorene | 13.07 | 2.1 | ng | 112041 | 5 | 14.06 | 1065860 | 20.0 |
| 5-Eicosene, (E)- | 13.90 | 8.8 | ng | 466594 | 5 | 14.06 | 1065860 | 20.0 |
| Benzo[e]pyrene | 15.43 | 6.4 | ng | 264400 | 6 | 15.56 | 826708 | 20.0 |