LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

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-BF020320.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	3.857	291	301	307	rBV	80705	128763	1.42%	0.166%
2	5.434	565	569	572	rBV	3681492	3396953	37.54%	4.378%
3	6.445	736	741	744	rBV	3649510	3432149	37.93%	4.423%
4	6.522	751	754	756	rBV	245537	188041	2.08%	0.242%
5	6.810	800	803	807	rBV	1416650	1300132	14.37%	1.675%
6	6.969	826	830	834	rBV	3563724	3185732	35.21%	4.105%
7	7.216	868	872	882	rBV	204783	241188	2.67%	0.311%
8	7.375	892	899	902	rBV	2328383	2390895	26.42%	3.081%
9	8.092	1017	1021	1029	rBV	1933205	1745646	19.29%	2.250%
10	9.169	1200	1204	1216	rBV	4972678	4752594	52.52%	6.125%
11	9.563	1268	1271	1276	rVB	149173	144722	1.60%	0.187%
12	9.845	1313	1319	1323	rBV	2030714	2114404	23.37%	2.725%
13	9.880	1323	1325	1329	rVB	185102	168882	1.87%	0.218%
14	10.051	1350	1354	1358	rBV	101786	99288	1.10%	0.128%
15	10.392	1409	1412	1418	rBV2	171061	182845	2.02%	0.236%
16	10.463	1418	1424	1425	rBV2	65656	94353	1.04%	0.122%
17	10.633	1449	1453	1458	rVV	3273205	3228021	35.67%	4.160%
18	10.680	1458	1461	1466	rVB2	166682	199835	2.21%	0.258%
19	10.757	1471	1474	1481	rVB2	107397	162373	1.79%	0.209%
20	10.945	1499	1506	1508	rBV3	73939	124927	1.38%	0.161%
21	11.133	1535	1538	1542	rVB	97437	105307	1.16%	0.136%
22	11.204	1543	1550	1552	rVV5	68118	148058	1.64%	0.191%
23	11.227	1552	1554	1560	rVB	112077	123566	1.37%	0.159%
24	11.333	1568	1572	1574	rBV	2325555	2170859	23.99%	2.798%
25	11.357	1574	1576	1579	rVV	2230124	1714581	18.95%	2.210%
26	11.404	1579	1584	1588	rVB	414040	403171	4.46%	0.520%
27	11.627	1619	1622	1625	rBV	122161	94595	1.05%	0.122%
28	11.833	1653	1657	1659	rBV	572905	494090	5.46%	0.637%
29	11.863	1659	1662	1667	rVV	1032611	925857	10.23%	1.193%
30	11.910	1667	1670	1673	rVV2	178757	217526	2.40%	0.280%
31	11.945	1673	1676	1678	rVV2	744332	820877	9.07%	1.058%
32	11.980	1678	1682	1685	rVB2	638355	803950	8.88%	1.036%
33	12.080	1695	1699	1703	rBV	1246845	1154991	12.76%	1.488%
34	12.127	1704	1707	1709	rVV	323269	282266	3.12%	0.364%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.151	1709	1711	1715	rVV2	256191	227441	2.51%	0.293%
36	12.198	1715	1719	1724	rVB	3365508	3287265	36.33%	4.236%
37	12.280	1728	1733	1736	rBV	1558191	1346220	14.88%	1.735%
38	12.363	1744	1747	1749	rBV	270960	268458	2.97%	0.346%
39	12.386	1749	1751	1753	rVV	290963	267386	2.95%	0.345%
40	12.421	1753	1757	1759	rVV2	196064	267066	2.95%	0.344%
41	12.468	1762	1765	1770	rBV2	217037	227037	2.51%	0.293%
42	12.545	1774	1778	1781	rVV	2158811	1778850	19.66%	2.292%
43	12.586	1782	1785	1788	rBV	1362454	1249198	13.80%	1.610%
44	12.645	1792	1795	1797	rBV2	172830	161316	1.78%	0.208%
45	12.774	1811	1817	1820	rBV	2383654	2351575	25.99%	3.031%
46	12.833	1823	1827	1834	rVB2	184654	209592	2.32%	0.270%
47	12.915	1837	1841	1846	rVV	4742613	4574089	50.55%	5.895%
48	12.992	1850	1854	1856	rVV3	257010	342138	3.78%	0.441%
49	13.015	1856	1858	1861	rVV2	420047	383541	4.24%	0.494%
50	13.063	1861	1866	1870	rVV	7777011	9048906	100.00%	11.661%
51	13.104	1870	1873	1876	rVB	335861	380009	4.20%	0.490%
52	13.168	1882	1884	1886	rVB	187648	122791	1.36%	0.158%
53	13.204	1886	1890	1894	rBV3	303947	373535	4.13%	0.481%
54	13.298	1903	1906	1909	rBV	225298	192551	2.13%	0.248%
55	13.327	1909	1911	1915	rVB	259749	221266	2.45%	0.285%
56	13.398	1920	1923	1929	rVB4	170402	224389	2.48%	0.289%
57	13.604	1956	1958	1963	rVB	206719	221292	2.45%	0.285%
58	13.715	1973	1977	1980	rBV2	196851	278724	3.08%	0.359%
59	13.745	1980	1982	1985	rVV	286612	299807	3.31%	0.386%
60	13.768	1985	1986	1990	rVV2	190594	202437	2.24%	0.261%
61	13.815	1991	1994	2004	rVB	604269	780118	8.62%	1.005%
62	13.968	2015	2020	2023	rBV2	2203639	3095542	34.21%	3.989%
63	13.998	2023	2025	2030	rVB	1077328	946501	10.46%	1.220%
64	14.357	2083	2086	2089	rVB	286466	257517	2.85%	0.332%
65	14.386	2089	2091	2094	rVB	141885	132784	1.47%	0.171%
66	14.480	2105	2107	2109	rBV2	111271	93772	1.04%	0.121%
67	14.598	2125	2127	2130	rVB2	130094	105358	1.16%	0.136%
68	14.745	2149	2152	2155	rBV	129521	143572	1.59%	0.185%
69	14.998	2191	2195	2198	rBV	977481	1398491	15.45%	1.802%
70	15.104	2211	2213	2217	rVB	199068	191216	2.11%	0.246%
71	15.298	2242	2246	2252	rVB	642298	831304	9.19%	1.071%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.356	2252	2256	2262	rBV	889558	1041884	11.51%	1.343%
73	15.421	2262	2267	2270	rBV	1446003	1941356	21.45%	2.502%
74	16.851	2505	2510	2519	rVB2	375438	752318	8.31%	0.970%
75	17.286	2579	2584	2596	rVB	303612	636868	7.04%	0.821%

Sum of corrected areas: 77596917

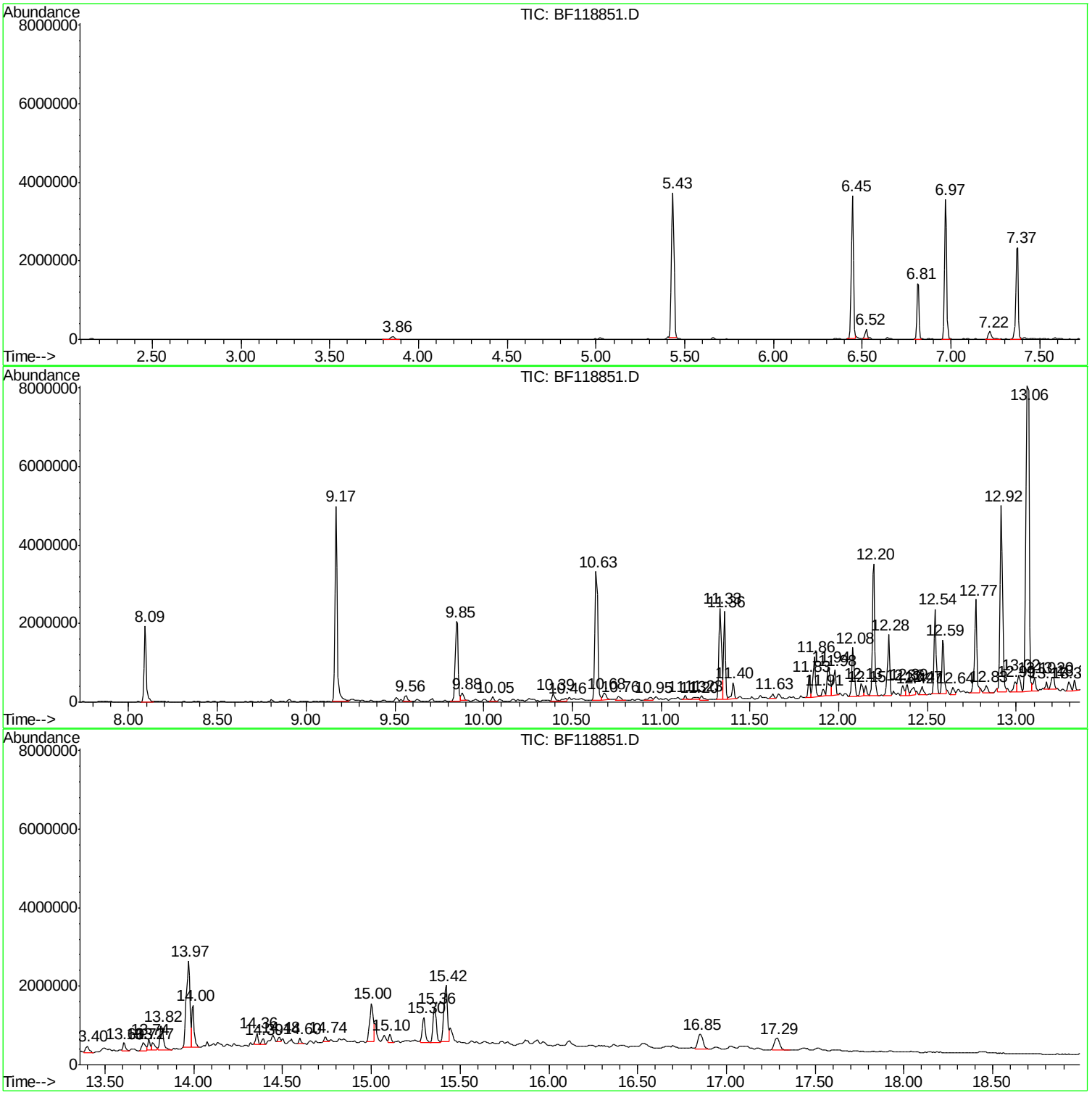
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

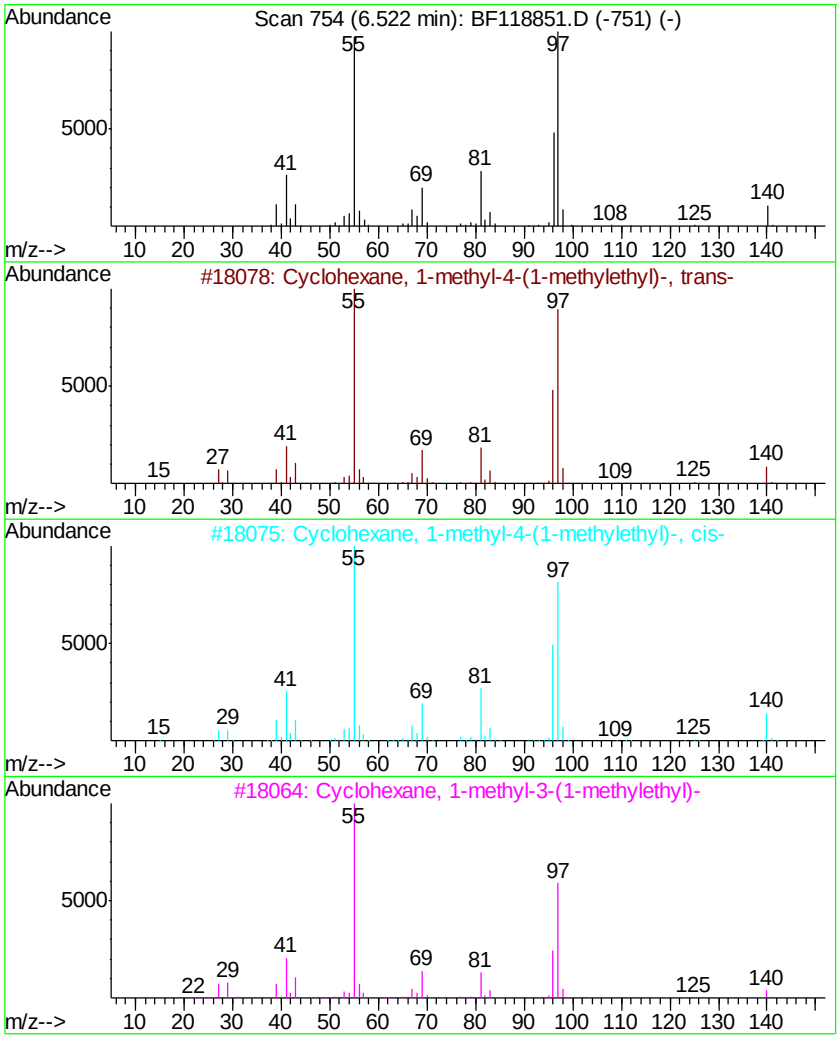
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

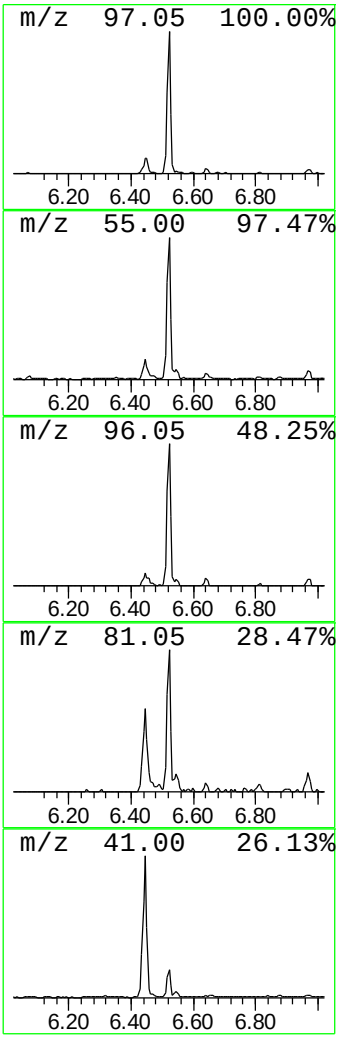
****

Peak Number 1 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	2.89 ng	188041	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	94
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	94
3	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	91
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	91
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

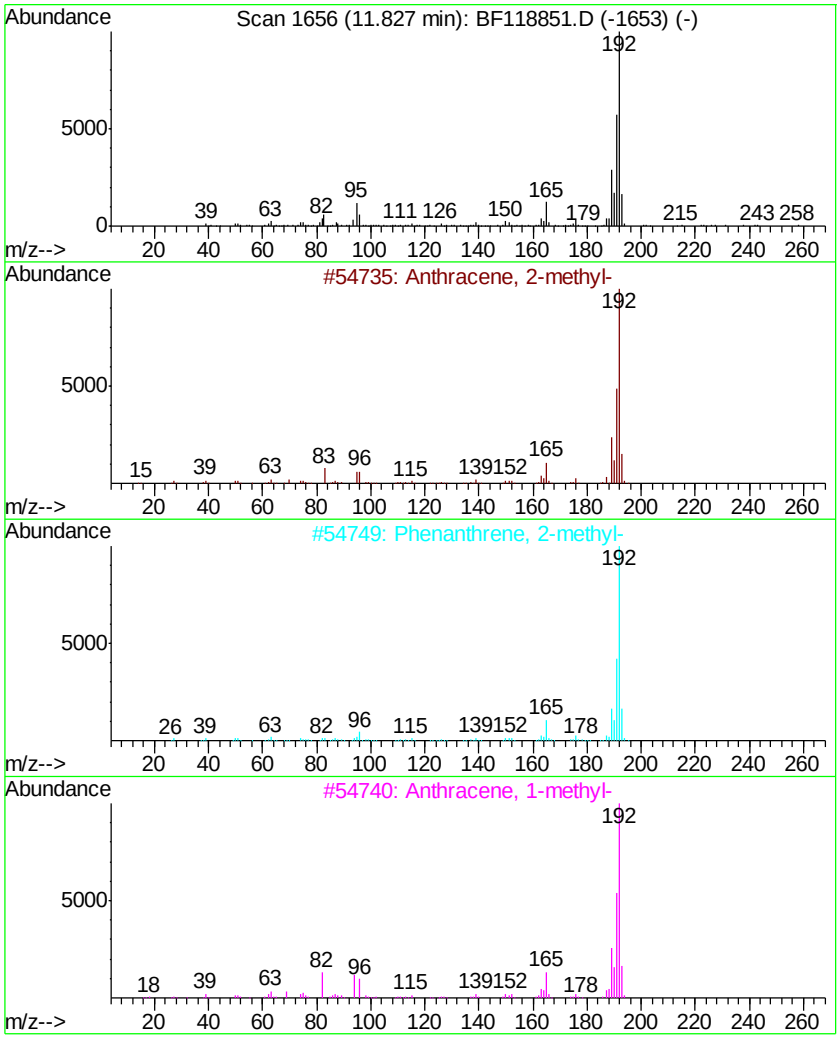
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

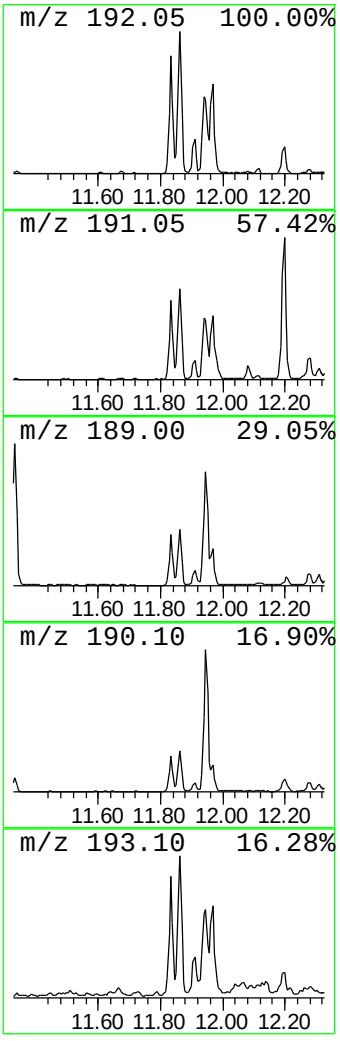
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.55 ng	494090	Phenanthrene-d10	11.33

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

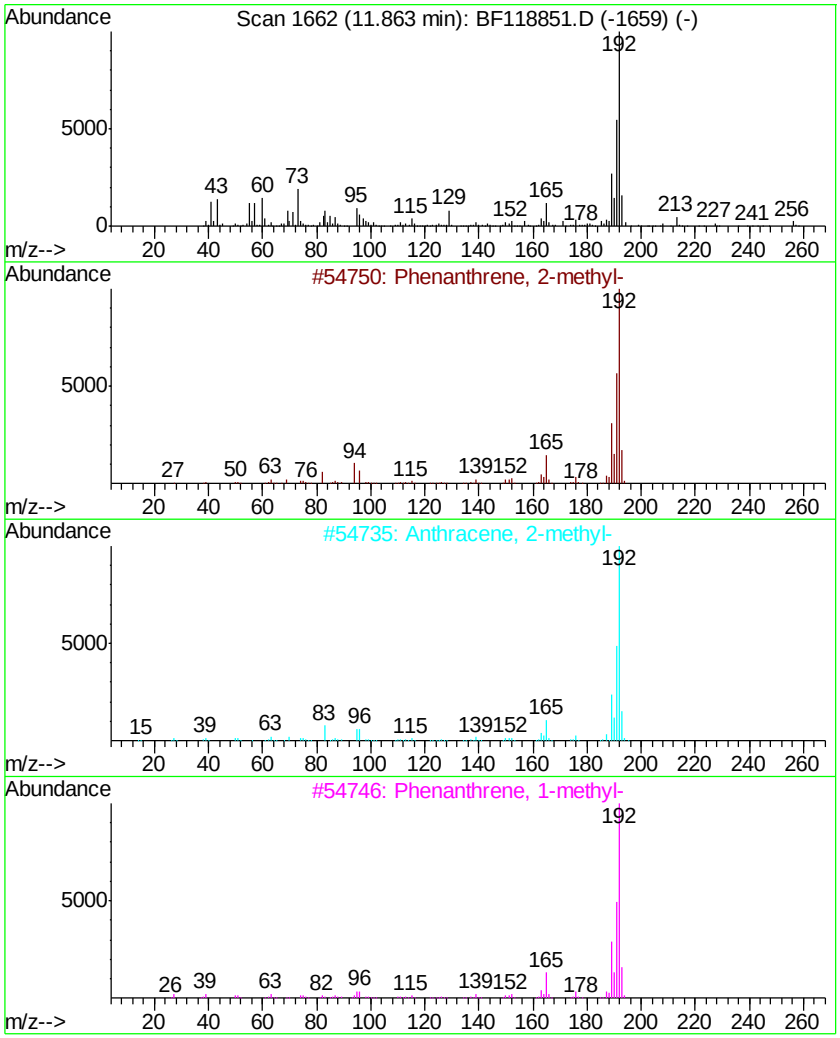
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

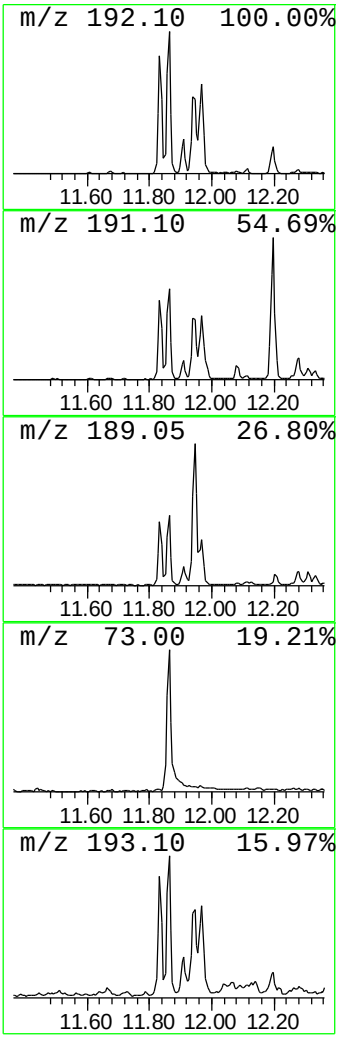
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	8.53 ng	925857	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

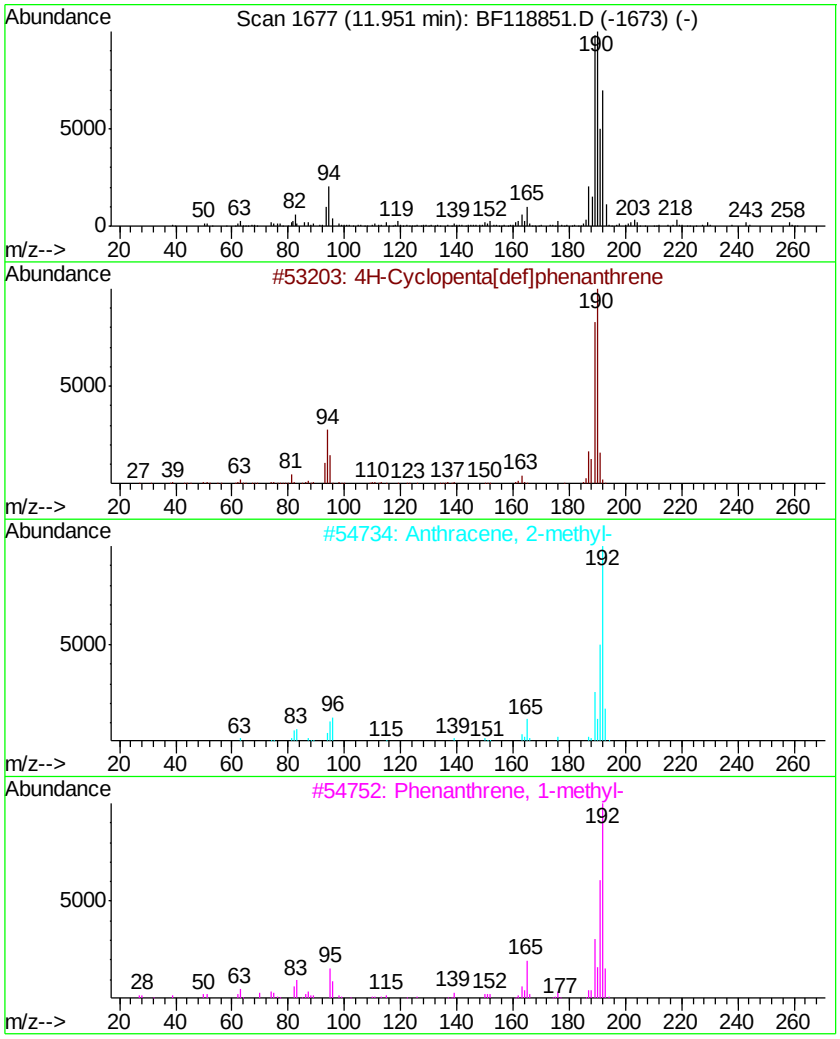
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

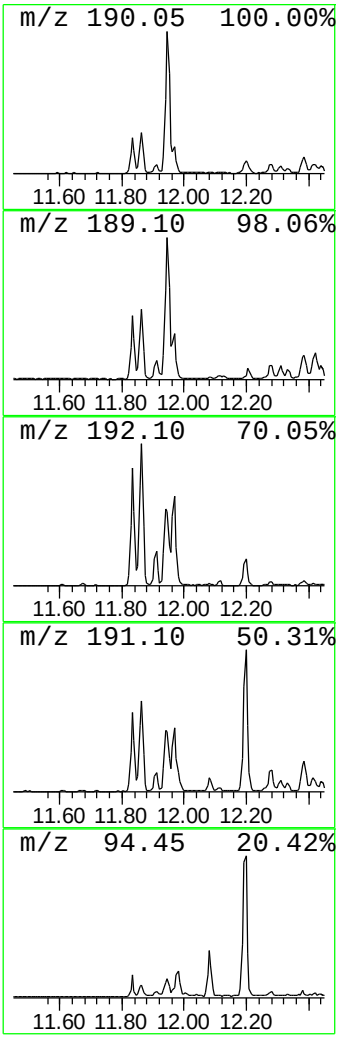
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.56 ng	820877	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

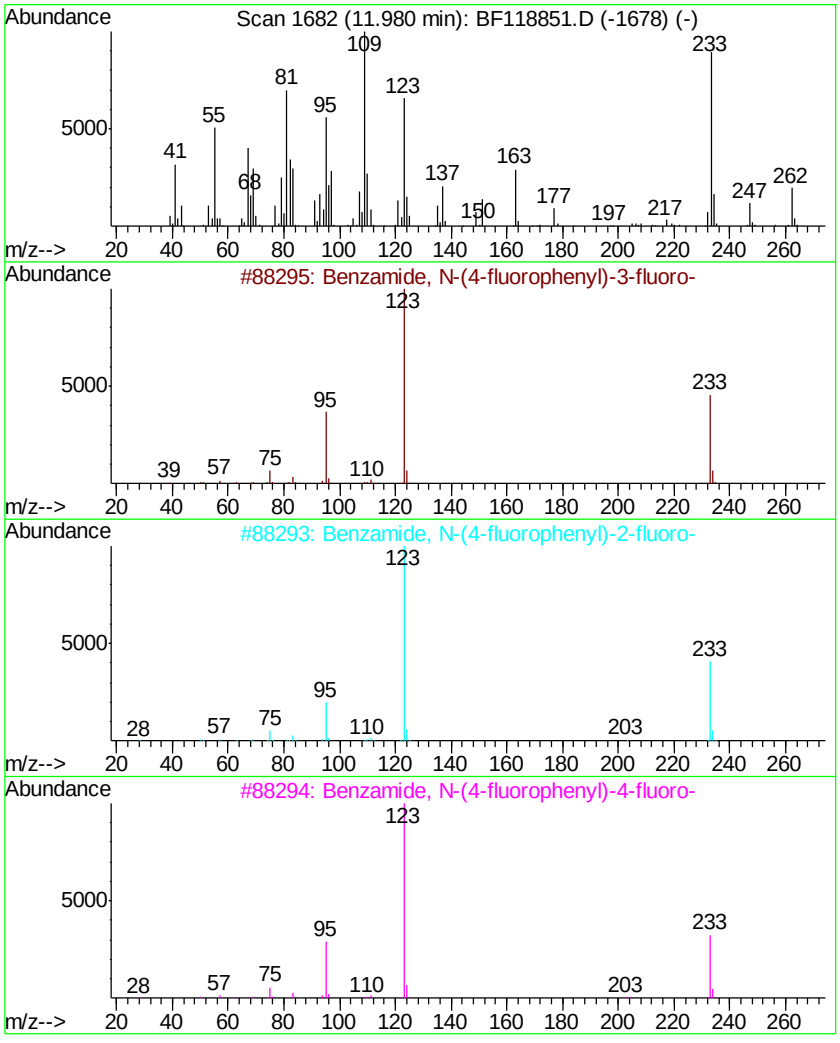
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

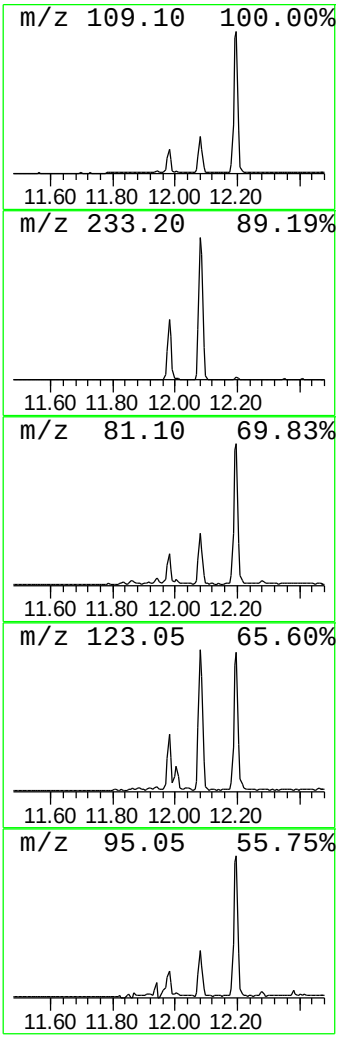
****

Peak Number 6 unknown11.98 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.41 ng	803950	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	43
2	Benzamide, N-(4-fluorophenyl)-2-...	233	C13H9F2NO	1000307-07-9	38
3	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	38
4	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	38
5	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

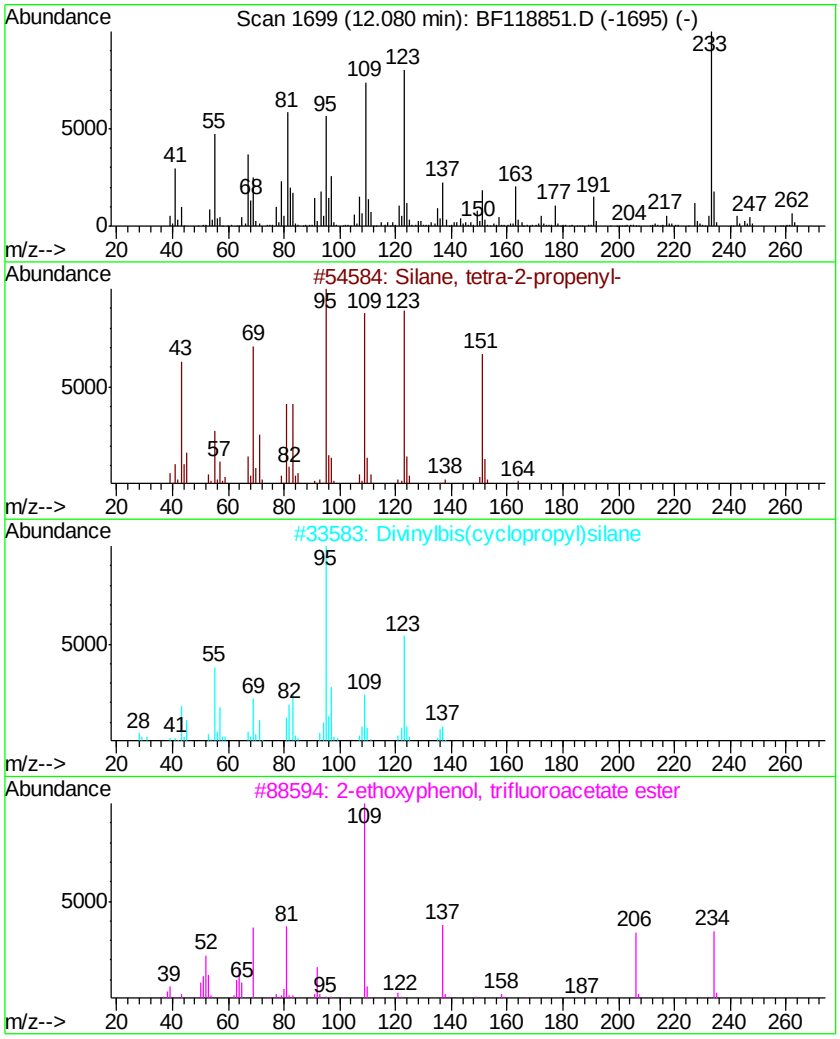
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

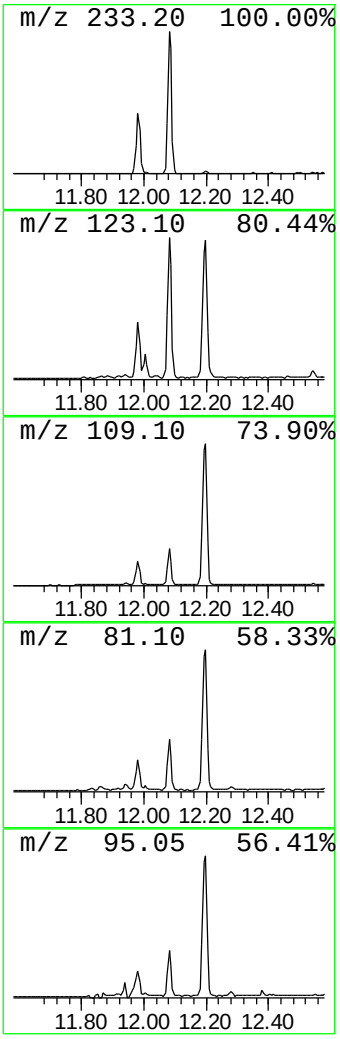
****

Peak Number 7 unknown12.08 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	10.64 ng	1154990	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetra-2-propenyl-	192	C12H20Si	001112-66-9	43
2	Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	35
3	2-ethoxyphenol, trifluoroacetate...	234	C10H9F3O3	1000376-47-9	18
4	Verbenol	152	C10H16O	000473-67-6	18
5	Imiprothrin	318	C17H22N2O4	072963-72-5	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

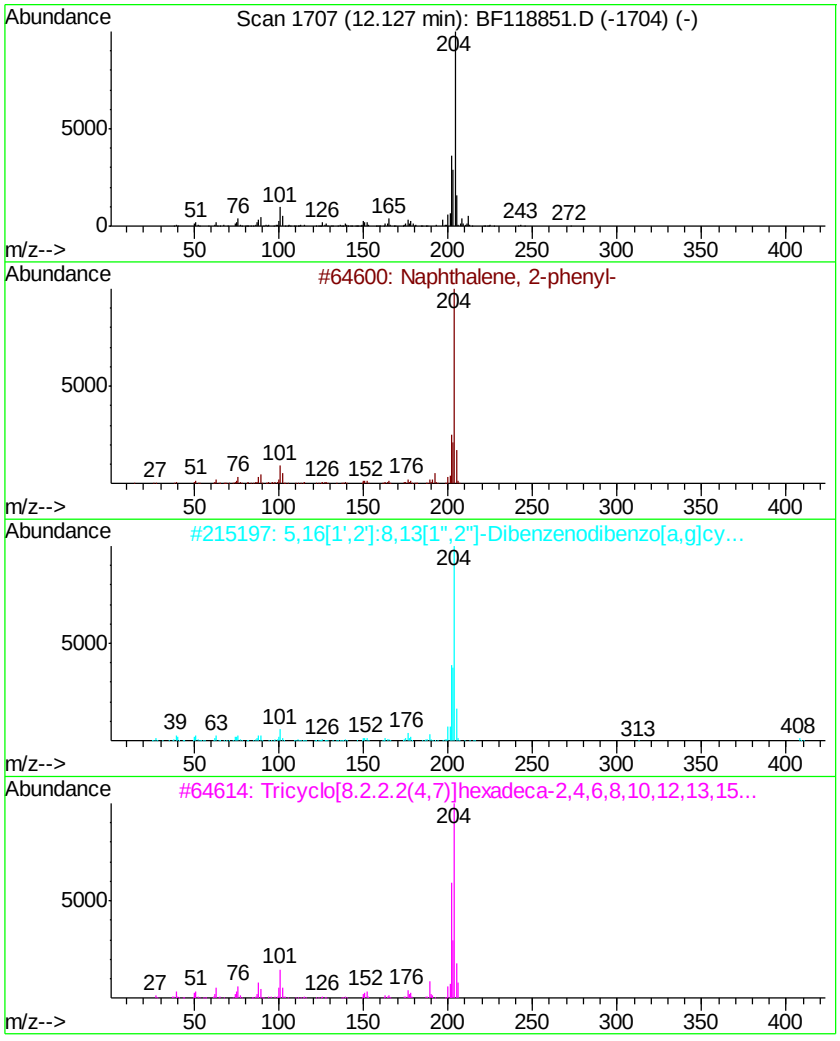
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

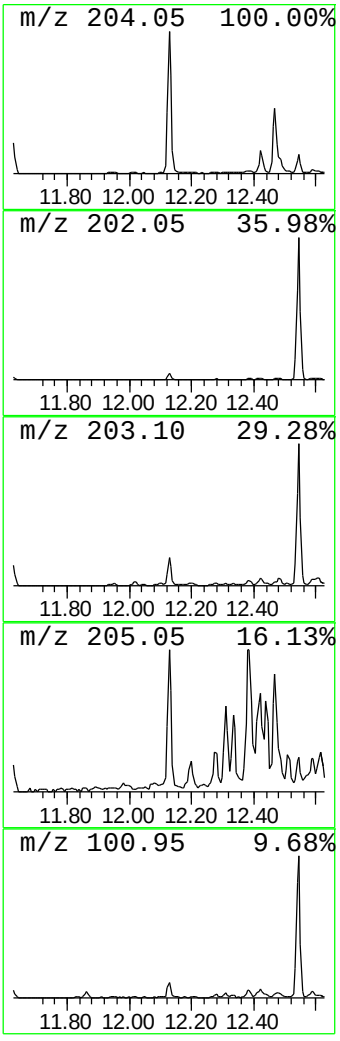
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.60 ng	282266	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Levamisole	204	C11H12N2S	014769-73-4	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

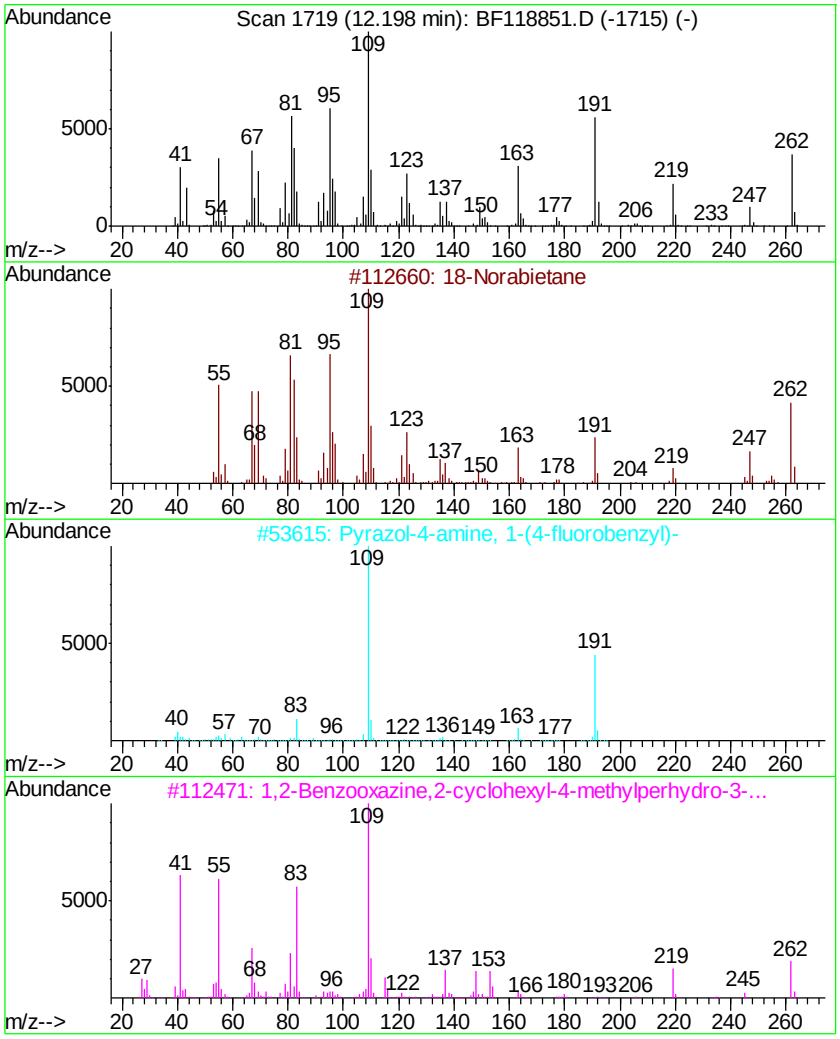
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

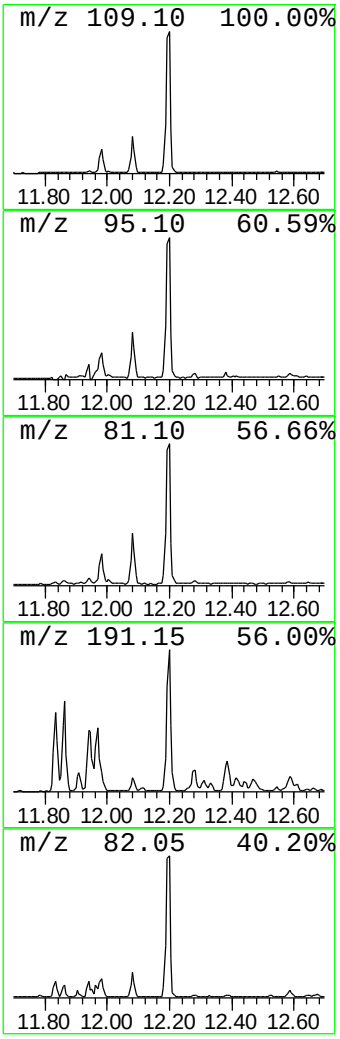
****

Peak Number 9 18-Norabietane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	30.29 ng	3287270	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	90
2	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	43
3	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	35
4	4-Fluorobenzylamine, N-(2-fluoro...	219	C13H11F2N	1000310-47-7	27
5	1H-Indole, 2-methoxy-3,5-dimethy...	247	C14H21NOSi	074367-60-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

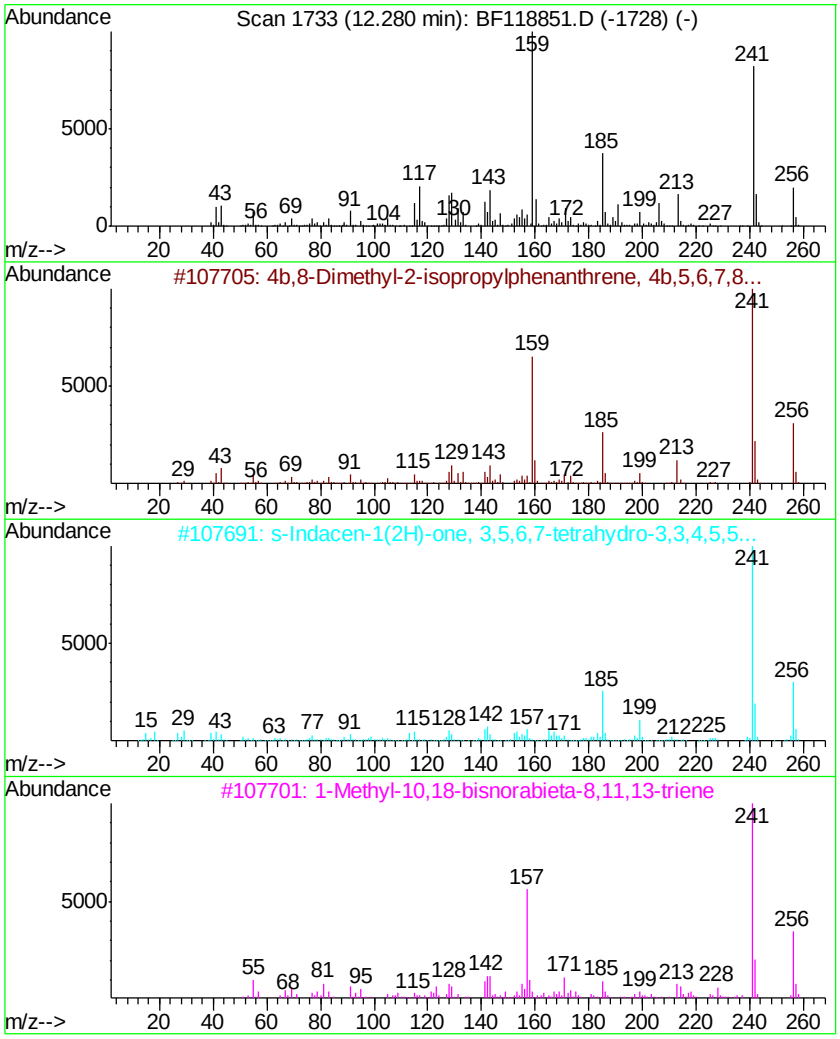
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

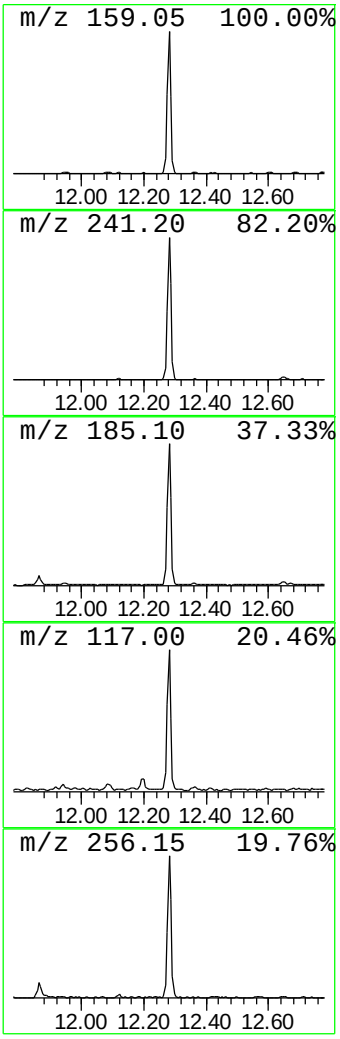
****

Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	12.40 ng	1346220	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	56
3	1-Methyl-10,18-bisnorabieta-8,11...	256	C19H28	1000293-16-9	38
4	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	38
5	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

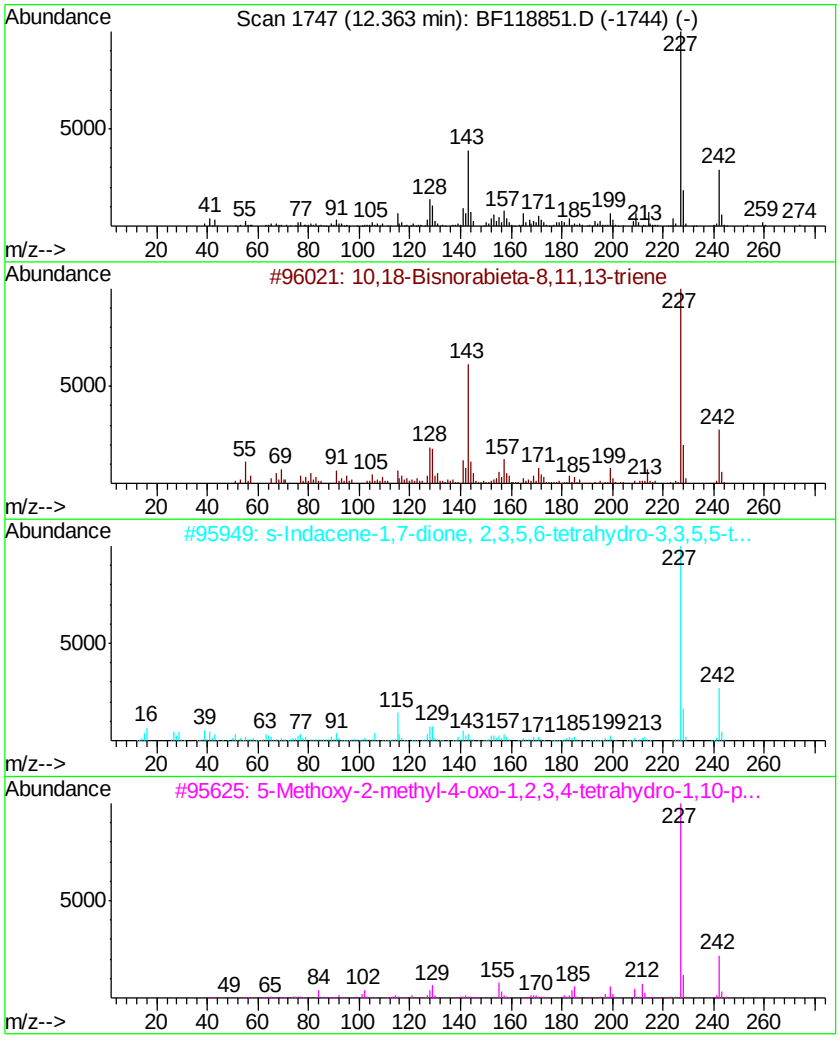
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

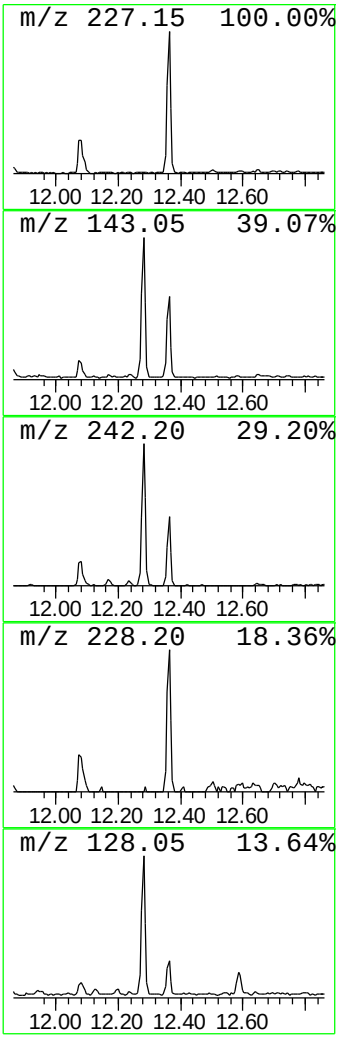
****

Peak Number 11 10,18-Bisnorabieta-8,11,13-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.47 ng	268458	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	95
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	76
3	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	52
4	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	49
5	2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

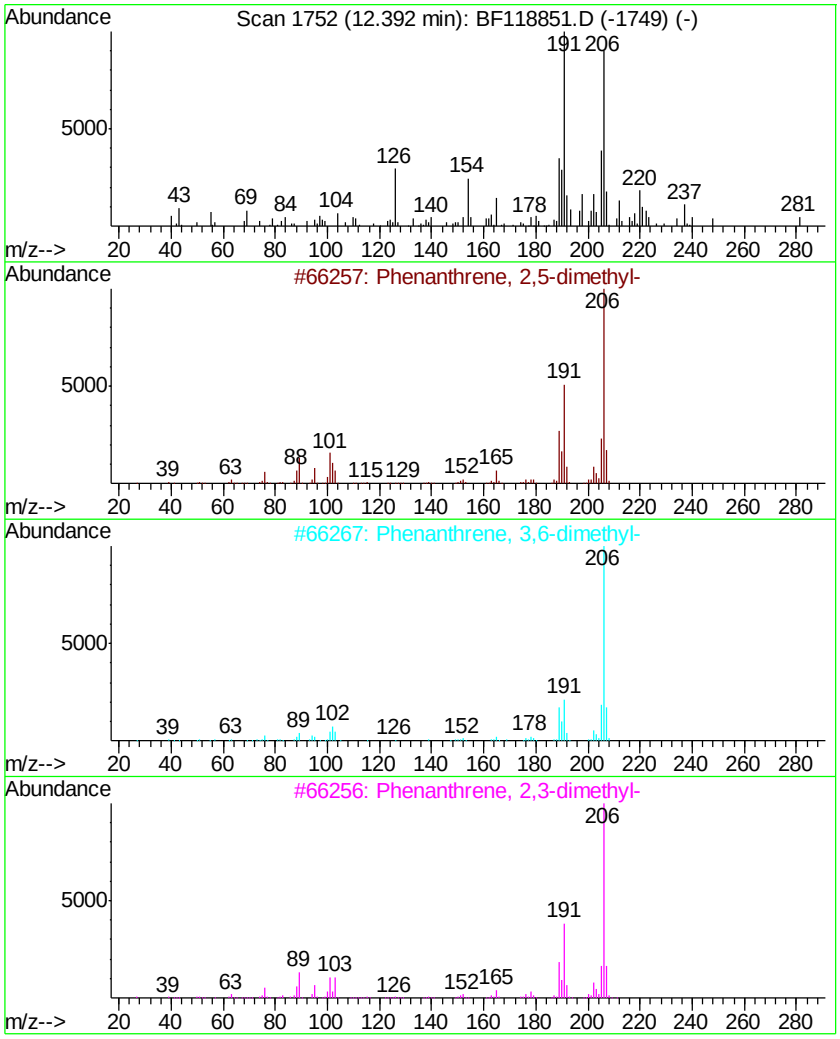
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

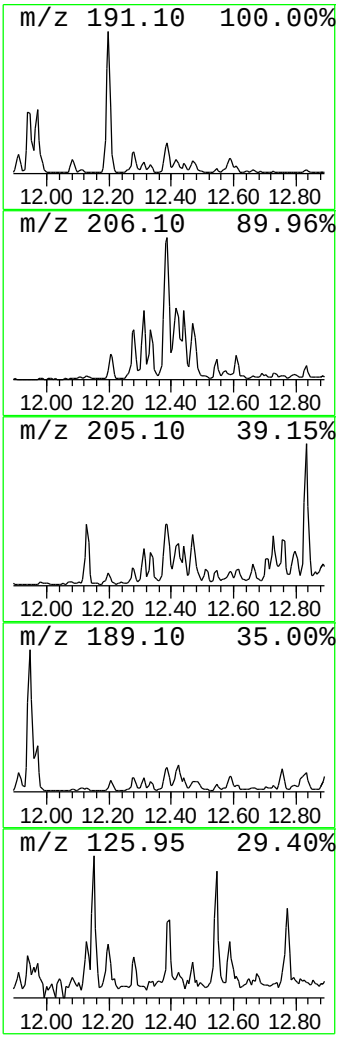
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.46 ng	267386	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

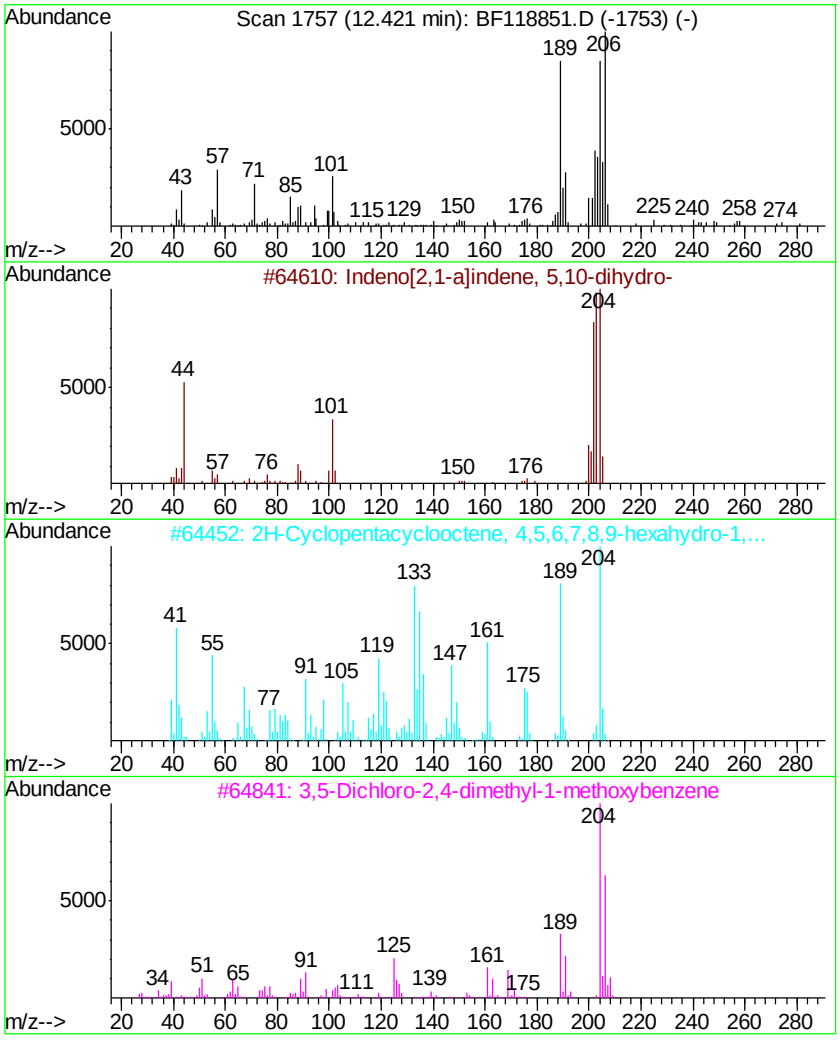
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

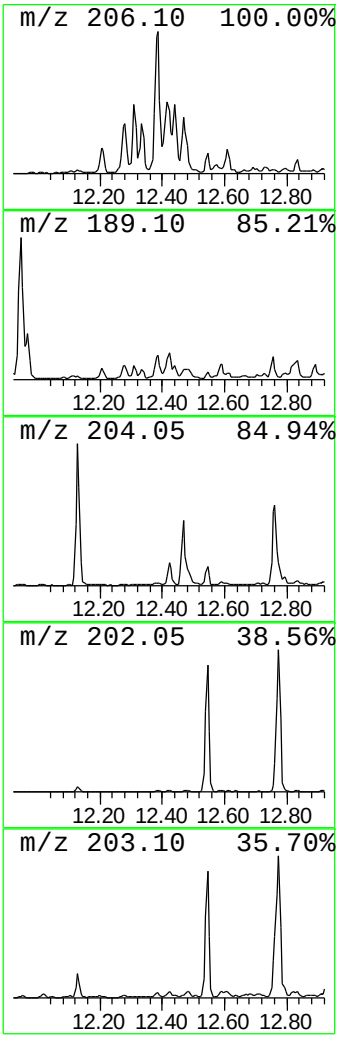
****

Peak Number 13 unknown12.42 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.46 ng	267066	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	38
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	35
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	30
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

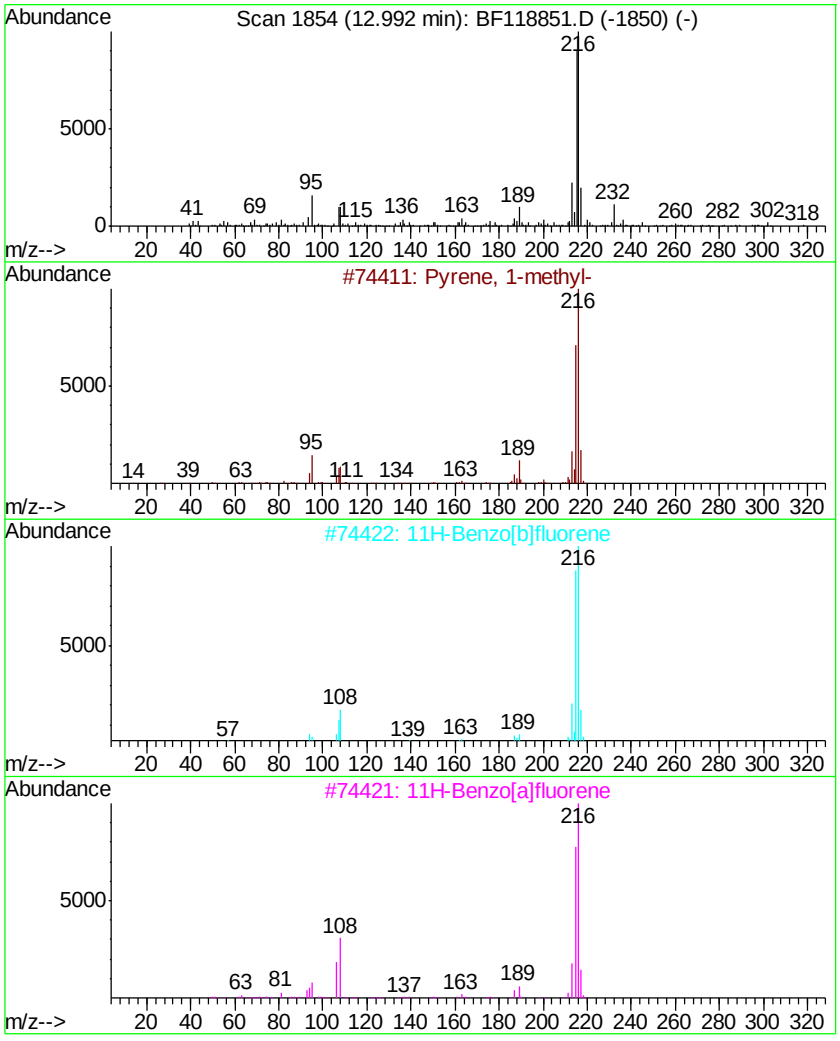
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

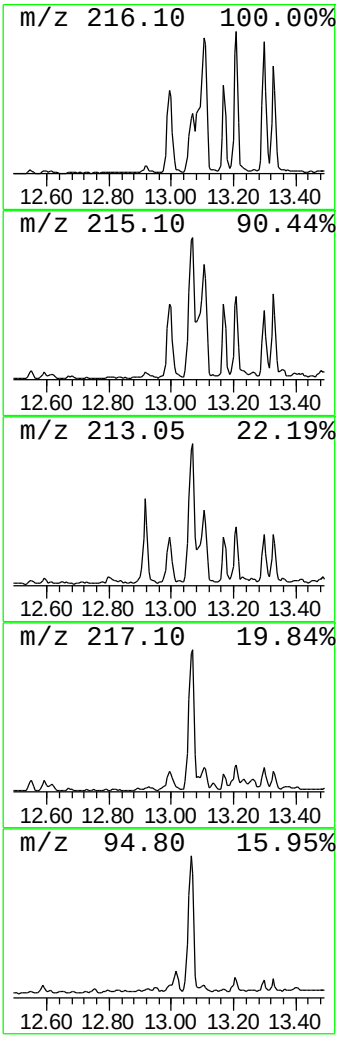
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.21 ng	342138	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

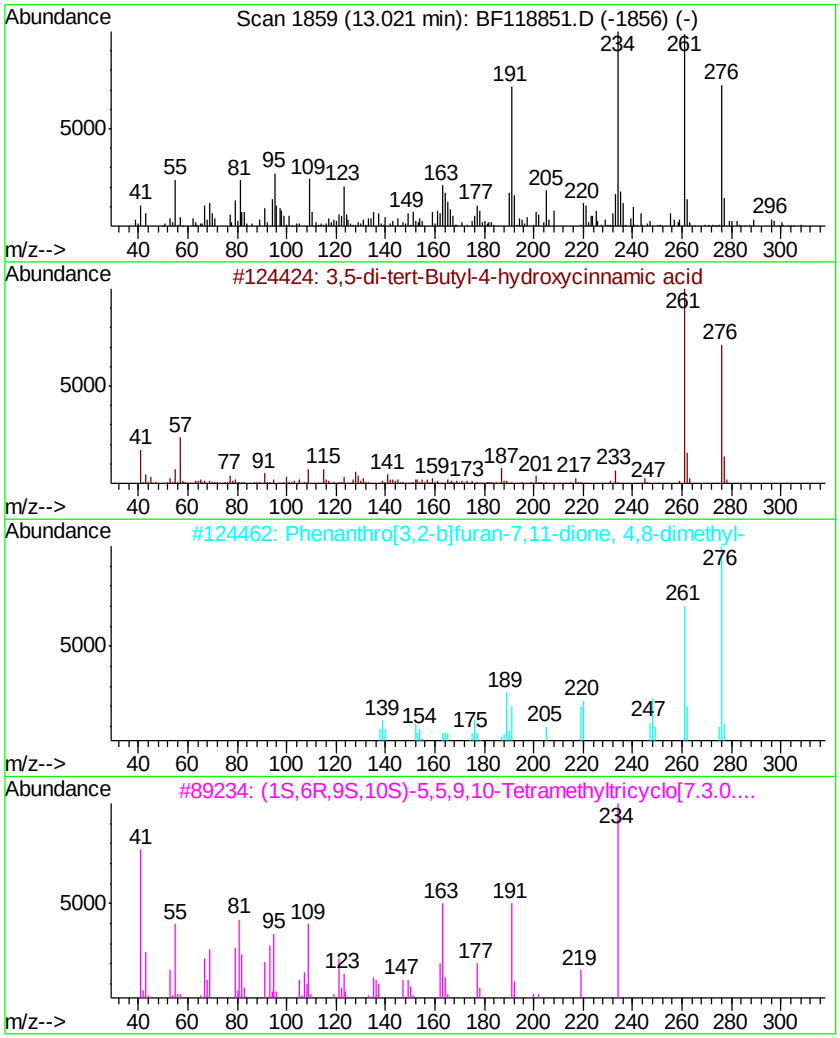
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

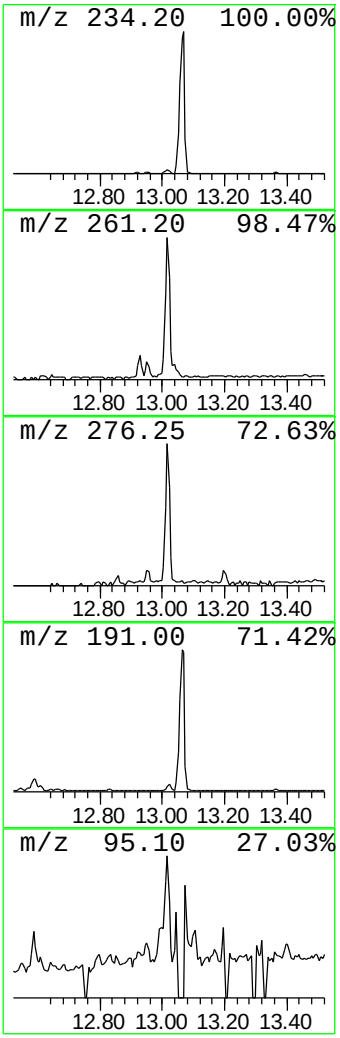
****

Peak Number 15 unknown13.02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.48 ng	383541	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-di-tert-Butyl-4-hydroxycinna...	276	C17H24O3	022014-01-3	38
2	Phenanthro[3,2-b]furan-7,11-dion...	276	C18H12O3	020958-17-2	38
3	(1S,6R,9S,10S)-5,5,9,10-Tetramet...	234	C16H26O	1000298-98-1	38
4	3,4-Dihydrocoumarin, 4,4,5,7,8-p...	276	C16H20O4	1000128-47-0	30
5	2-Methoxy-5-methylphenol, triflu...	234	C10H9F3O3	1000365-24-2	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

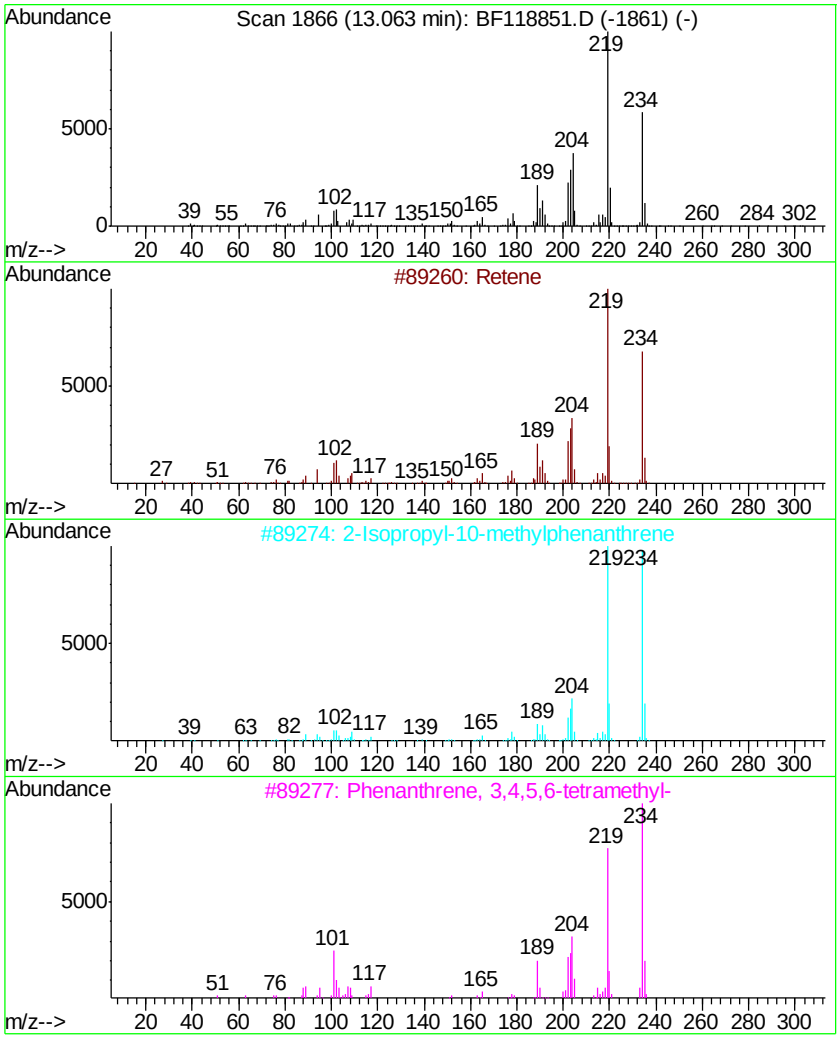
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

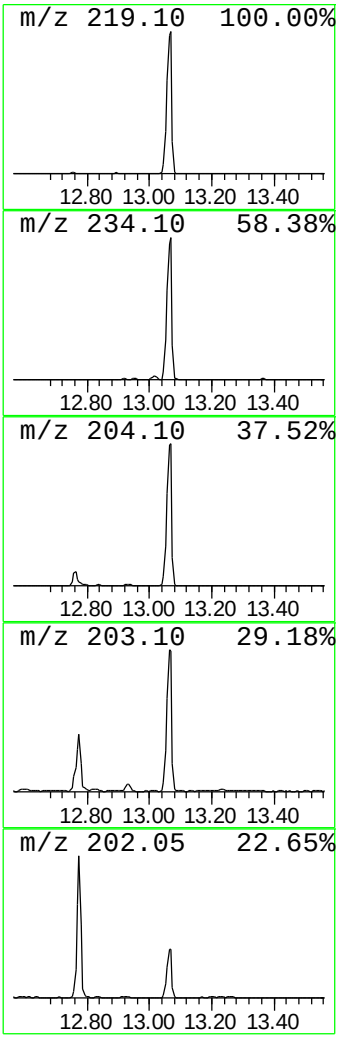
****

Peak Number 16 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	58.46 ng	9048910	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	59
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	58
5	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

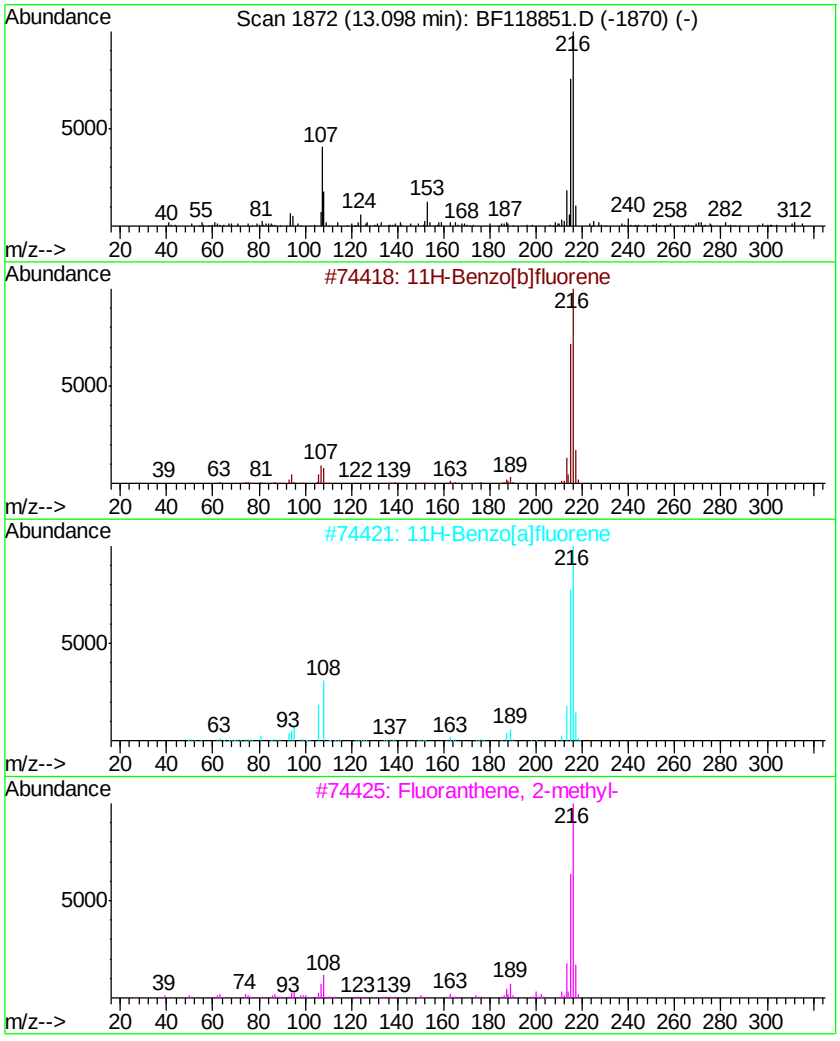
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

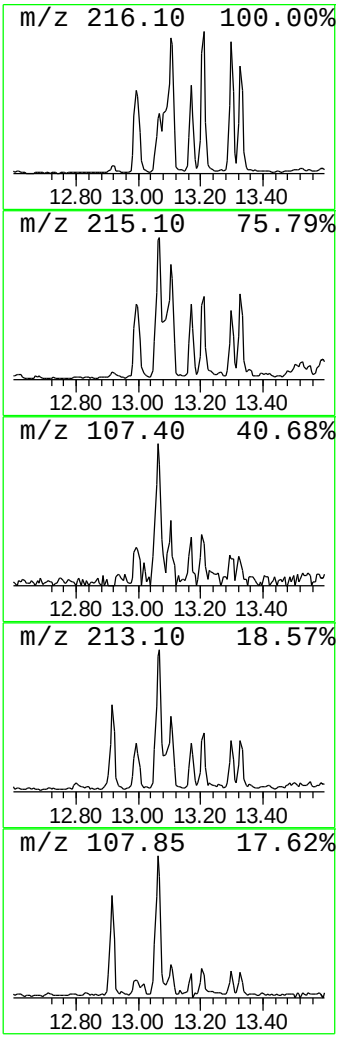
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.46 ng	380009	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

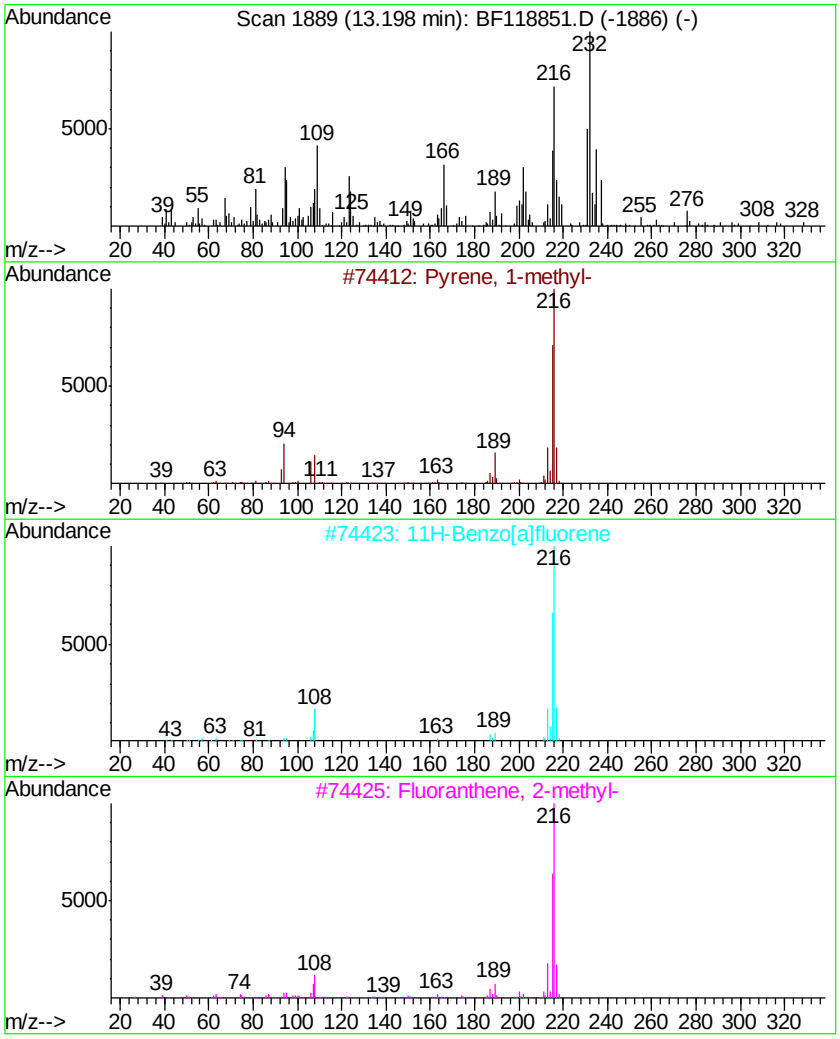
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

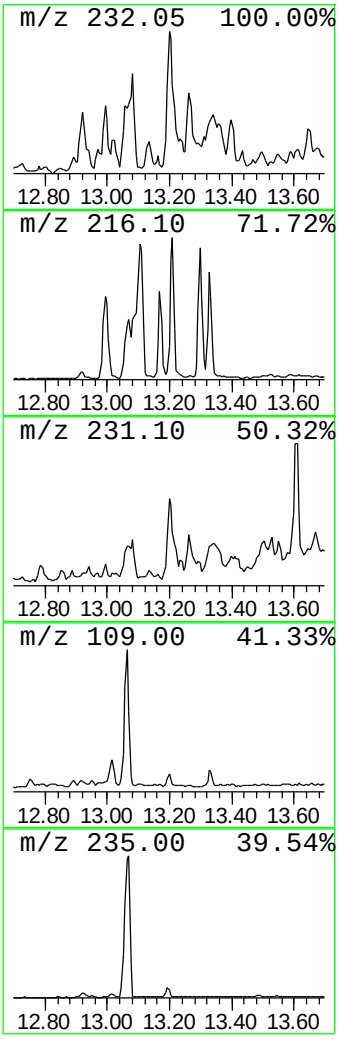
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.41 ng	373535	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

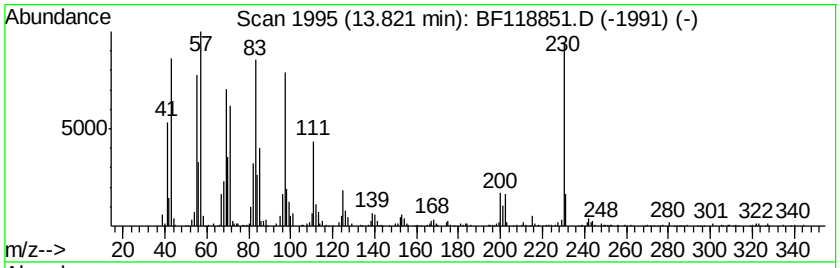
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

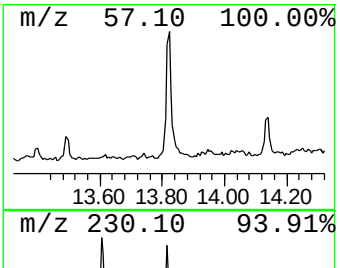
****

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	5.04 ng	780118	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	30
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

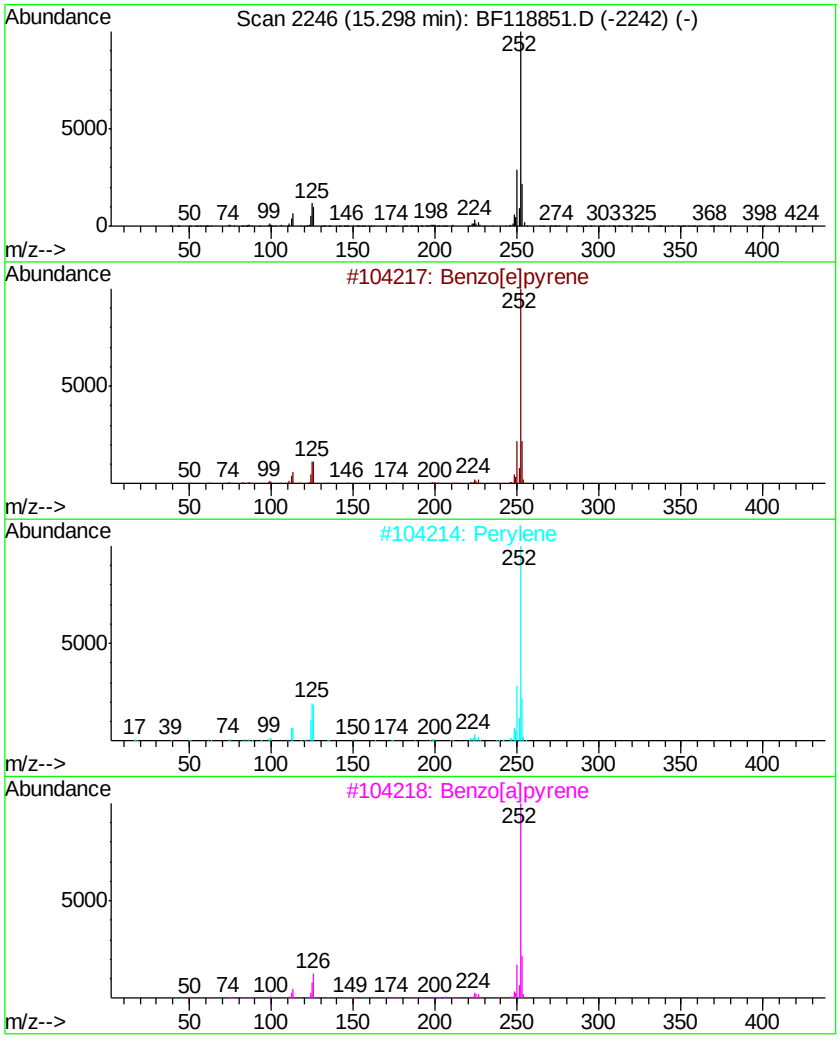
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

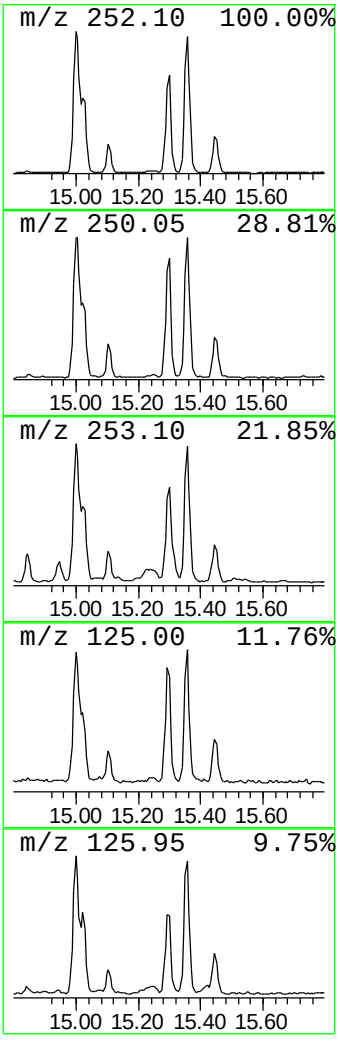
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	8.56 ng	831304	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020720\
Data File : BF118851.D
Acq On : 7 Feb 2020 15:32
Operator : CG/JU
Sample : L1439-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAM-SB-BCD-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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
Cyclohexane, 1-me...	6.52	2.9	ng	188041	1	6.82	1300130	20.0
Anthracene, 2-met...	11.83	4.5	ng	494090	4	11.33	2170860	20.0
Phenanthrene, 2-m...	11.86	8.5	ng	925857	4	11.33	2170860	20.0
4H-Cyclopenta[def...	11.95	7.6	ng	820877	4	11.33	2170860	20.0
unknown11.98	11.98	7.4	ng	803950	4	11.33	2170860	20.0
unknown12.08	12.08	10.6	ng	1154990	4	11.33	2170860	20.0
Naphthalene, 2-ph...	12.13	2.6	ng	282266	4	11.33	2170860	20.0
18-Norabietane	12.20	30.3	ng	3287270	4	11.33	2170860	20.0
4b,8-Dimethyl-2-i...	12.28	12.4	ng	1346220	4	11.33	2170860	20.0
10,18-Bisnorabiet...	12.36	2.5	ng	268458	4	11.33	2170860	20.0
Phenanthrene, 2,5...	12.39	2.5	ng	267386	4	11.33	2170860	20.0
unknown12.42	12.42	2.5	ng	267066	4	11.33	2170860	20.0
Pyrene, 1-methyl-	12.99	2.2	ng	342138	5	13.97	3095540	20.0
unknown13.02	13.02	2.5	ng	383541	5	13.97	3095540	20.0
Retene	13.06	58.5	ng	9048910	5	13.97	3095540	20.0
11H-Benzo[b]fluorene	13.10	2.5	ng	380009	5	13.97	3095540	20.0
11H-Benzo[a]fluorene	13.20	2.4	ng	373535	5	13.97	3095540	20.0
11H-Benzo[a]fluor...	13.82	5.0	ng	780118	5	13.97	3095540	20.0
Benzo[e]pyrene	15.30	8.6	ng	831304	6	15.42	1941360	20.0