LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.046	6	10	16	rBV	6741291	8125953	32.92%	2.225%
2	6.975	670	678	686	rBV	1533724	2495725	10.11%	0.683%
3	7.151	701	708	722	rVB	1156248	1856308	7.52%	0.508%
4	7.345	733	741	750	rVB	1611475	2569330	10.41%	0.703%
5	7.810	810	820	827	rBV	1311412	2152581	8.72%	0.589%
6	8.510	932	939	946	rBV	1870125	2940430	11.91%	0.805%
7	8.975	1010	1018	1024	rVV	1412480	2409464	9.76%	0.660%
8	9.686	1131	1139	1150	rBV	1238673	2061893	8.35%	0.565%
9	10.222	1223	1230	1240	rVB	2011790	3350727	13.57%	0.917%
10	10.604	1283	1295	1300	rBV	1728387	3011974	12.20%	0.825%
11	10.745	1309	1319	1338	rBV	1222400	2306597	9.34%	0.632%
12	13.863	1844	1849	1853	rVV	3296356	4643044	18.81%	1.271%
13	13.904	1853	1856	1863	rVV	1396354	1980506	8.02%	0.542%
14	14.139	1890	1896	1914	rVB2	3791304	6647100	26.93%	1.820%
15	14.451	1939	1949	1955	rBV2	2410661	3878735	15.71%	1.062%
16	14.510	1955	1959	1967	rVB	508109	841743	3.41%	0.230%
17	14.645	1976	1982	1992	rBV	1211310	1874116	7.59%	0.513%
18	14.845	2012	2016	2023	rVV	437892	686709	2.78%	0.188%
19	15.239	2075	2083	2090	rBV3	283312	569820	2.31%	0.156%
20	15.445	2111	2118	2123	rVV	4776684	6845699	27.73%	1.874%
21	15.498	2123	2127	2133	rVV3	452277	750626	3.04%	0.206%
22	15.562	2133	2138	2145	rVV	864485	1235685	5.01%	0.338%
23	15.792	2172	2177	2184	rVB	317539	547518	2.22%	0.150%
24	15.939	2197	2202	2209	rVB	299139	582388	2.36%	0.159%
25	16.174	2234	2242	2247	rVB5	287195	699365	2.83%	0.191%
26	16.498	2286	2297	2302	rVV5	263546	773201	3.13%	0.212%
27	16.727	2333	2336	2339	rVV2	291382	437757	1.77%	0.120%
28	16.768	2339	2343	2346	rVV3	288641	466846	1.89%	0.128%
29	16.851	2352	2357	2364	rVB	667701	1034108	4.19%	0.283%
30	16.921	2364	2369	2371	rBV2	281268	433400	1.76%	0.119%
31	16.945	2371	2373	2380	rVV2	379944	593891	2.41%	0.163%
32	17.015	2380	2385	2393	rVB	466196	759107	3.08%	0.208%
33	17.198	2410	2416	2419	rVV	2931779	4414773	17.88%	1.209%
34	17.239	2419	2423	2428	rVV	8891042	12343160	50.00%	3.380%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

35	17.298	2428	2433	2436	rVV	4868363	7369070	29.85%	2.018%
36	17.327	2436	2438	2443	rVV	1558207	1757511	7.12%	0.481%
37	17.598	2474	2484	2488	rBV2	778020	1496403	6.06%	0.410%
38	17.774	2510	2514	2523	rVB5	334786	514081	2.08%	0.141%
39	18.068	2559	2564	2569	rVV2	1729853	4075420	16.51%	1.116%
40	18.115	2569	2572	2578	rVV	2475497	3392136	13.74%	0.929%
41	18.198	2581	2586	2591	rVV	657797	987341	4.00%	0.270%
42	18.262	2591	2597	2601	rVV2	2111347	3982467	16.13%	1.090%
43	18.298	2601	2603	2609	rVB	1211040	1547961	6.27%	0.424%
44	18.380	2612	2617	2620	rBV4	408281	573264	2.32%	0.157%
45	18.568	2645	2649	2653	rVV	1347306	1876998	7.60%	0.514%
46	18.609	2653	2656	2663	rVV	1436276	2099524	8.51%	0.575%
47	18.815	2687	2691	2695	rVV2	640473	906460	3.67%	0.248%
48	18.862	2696	2699	2702	rVV	515241	677740	2.75%	0.186%
49	18.903	2702	2706	2710	rVB	478180	616727	2.50%	0.169%
50	18.986	2715	2720	2726	rVV2	1426423	2719678	11.02%	0.745%
51	19.045	2727	2730	2734	rVV3	640704	1253826	5.08%	0.343%
52	19.080	2734	2736	2739	rVV	545376	565116	2.29%	0.155%
53	19.127	2739	2744	2752	rVB2	1304707	2193622	8.89%	0.601%
54	19.256	2760	2766	2771	rVB	18149481	24684824	100.00%	6.759%
55	19.315	2772	2776	2779	rBV	380565	530504	2.15%	0.145%
56	19.362	2779	2784	2787	rVV3	784890	1268958	5.14%	0.347%
57	19.397	2787	2790	2794	rVB2	357089	447961	1.81%	0.123%
58	19.450	2794	2799	2802	rBV3	525266	844641	3.42%	0.231%
59	19.497	2803	2807	2810	rVB	416416	557852	2.26%	0.153%
60	19.586	2817	2822	2825	rBV3	8228581	13555469	54.91%	3.711%
61	19.621	2825	2828	2834	rVV	17027561	20873255	84.56%	5.715%
62	19.686	2834	2839	2845	rVB2	1182527	1849835	7.49%	0.506%
63	19.792	2853	2857	2862	rVB	931044	1293256	5.24%	0.354%
64	19.856	2863	2868	2872	rVB2	679011	1084973	4.40%	0.297%
65	19.933	2876	2881	2889	rBV3	1450261	3738110	15.14%	1.023%
66	20.068	2899	2904	2907	rBV4	1132018	2203393	8.93%	0.603%
67	20.103	2907	2910	2916	rVB	1995941	3184810	12.90%	0.872%
68	20.209	2924	2928	2931	rBV	898231	1158052	4.69%	0.317%
69	20.268	2931	2938	2941	rVV3	1838141	3196431	12.95%	0.875%
70	20.303	2941	2944	2948	rVB	676405	716950	2.90%	0.196%
71	20.344	2948	2951	2956	rBV2	423071	593394	2.40%	0.162%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

72	20.403	2957	2961	2965	rBV	1294846	1813208	7.35%	0.496%
73	20.450	2965	2969	2973	rVV	1215903	1633838	6.62%	0.447%
74	20.668	3001	3006	3007	rBV4	382657	631976	2.56%	0.173%
75	20.850	3033	3037	3043	rVB	2622199	3590301	14.54%	0.983%
76	21.021	3059	3066	3069	rBV2	1904965	3714899	15.05%	1.017%
77	21.056	3069	3072	3074	rBV	1634982	1860808	7.54%	0.509%
78	21.150	3084	3088	3099	rVB	2709689	4009059	16.24%	1.098%
79	21.256	3099	3106	3108	rBV	690368	1395329	5.65%	0.382%
80	21.362	3115	3124	3129	rBV3	12178774	23026379	93.28%	6.305%
81	21.415	3129	3133	3142	rVB	10570318	14671177	59.43%	4.017%
82	21.527	3148	3152	3158	rBV2	1319062	2202312	8.92%	0.603%
83	21.586	3159	3162	3167	rBV5	606244	1179875	4.78%	0.323%
84	21.686	3175	3179	3184	rBV3	1073446	1856570	7.52%	0.508%
85	21.733	3184	3187	3191	rVV2	590218	658965	2.67%	0.180%
86	21.927	3214	3220	3224	rBV	2099065	3329964	13.49%	0.912%
87	21.980	3226	3229	3235	rVB2	1661353	2455450	9.95%	0.672%
88	22.127	3251	3254	3257	rBV	993670	1208563	4.90%	0.331%
89	22.233	3267	3272	3281	rVB4	1035075	2038382	8.26%	0.558%
90	22.709	3348	3353	3365	rVB4	841768	2199506	8.91%	0.602%
91	22.974	3390	3398	3404	rBV	8617433	23429782	94.92%	6.415%
92	23.144	3423	3427	3438	rVB	1532013	2607036	10.56%	0.714%
93	23.280	3446	3450	3459	rBV2	633696	1724726	6.99%	0.472%
94	23.462	3475	3481	3486	rBV	4298056	8620899	34.92%	2.360%
95	23.521	3486	3491	3494	rVV	4311587	7947267	32.19%	2.176%
96	23.568	3494	3499	3505	rVB	7109062	13186071	53.42%	3.610%
97	23.662	3509	3515	3519	rVV	2494441	4988872	20.21%	1.366%
98	23.709	3519	3523	3531	rVB2	2023441	4307526	17.45%	1.179%
99	25.979	3901	3909	3921	rVB	3910503	11851224	48.01%	3.245%
100	26.697	4022	4031	4039	rBV	2149249	6383920	25.86%	1.748%

Sum of corrected areas: 365232176

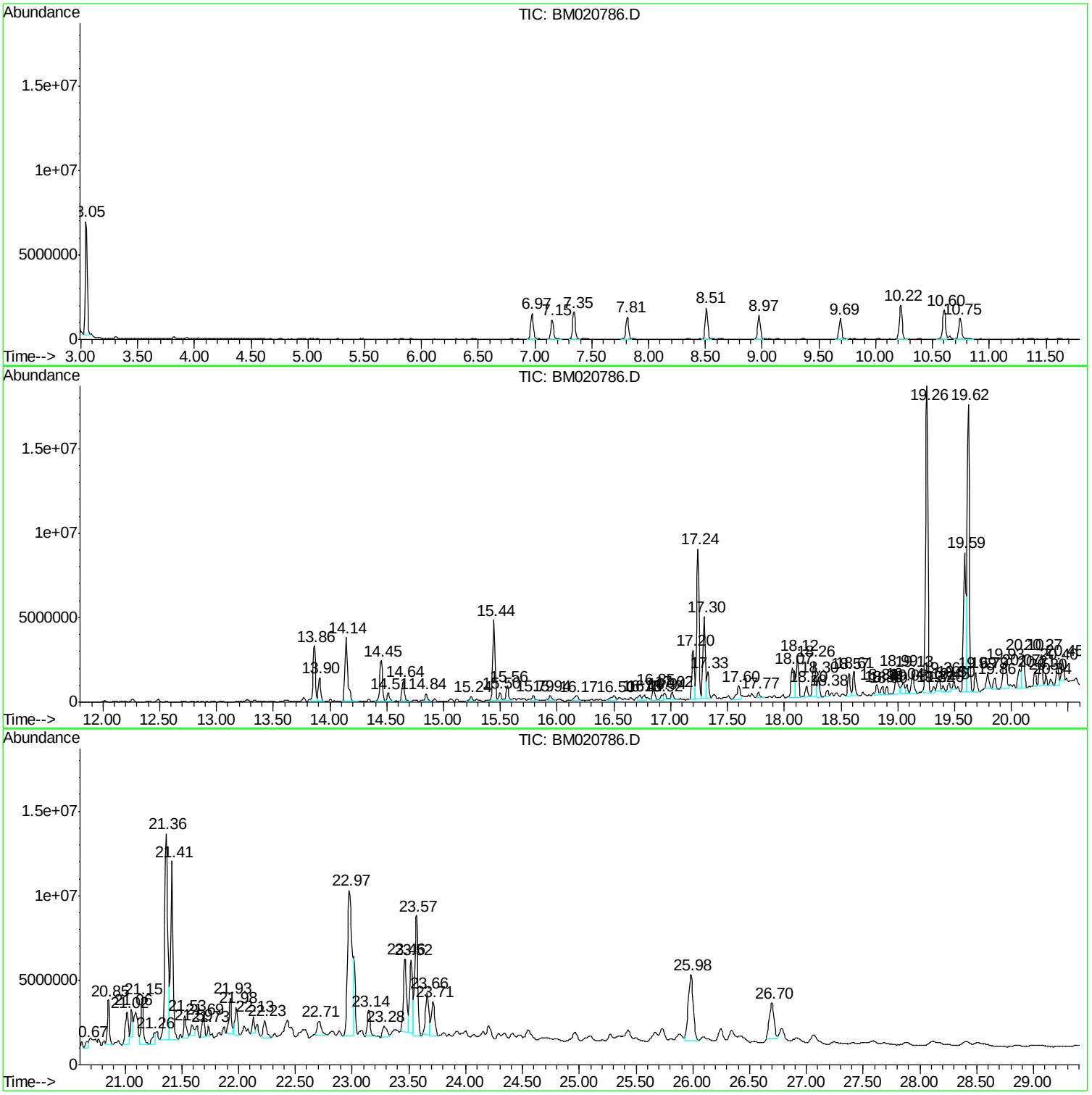
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

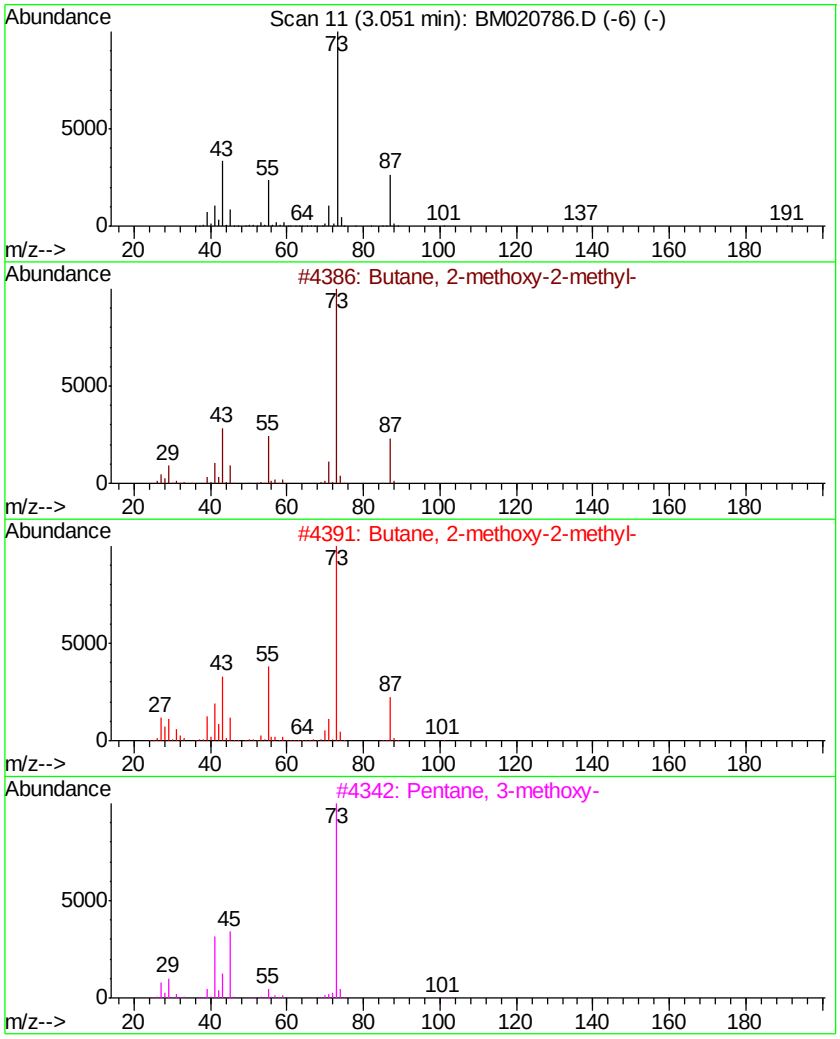
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

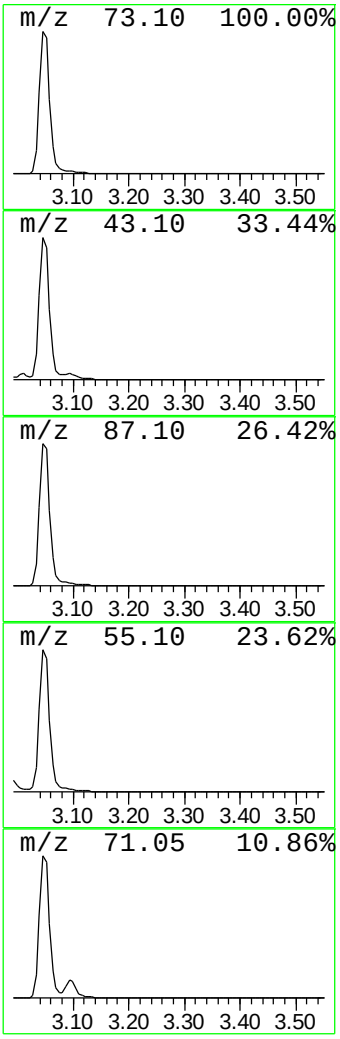
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	75.50 ng/ul	8125950	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

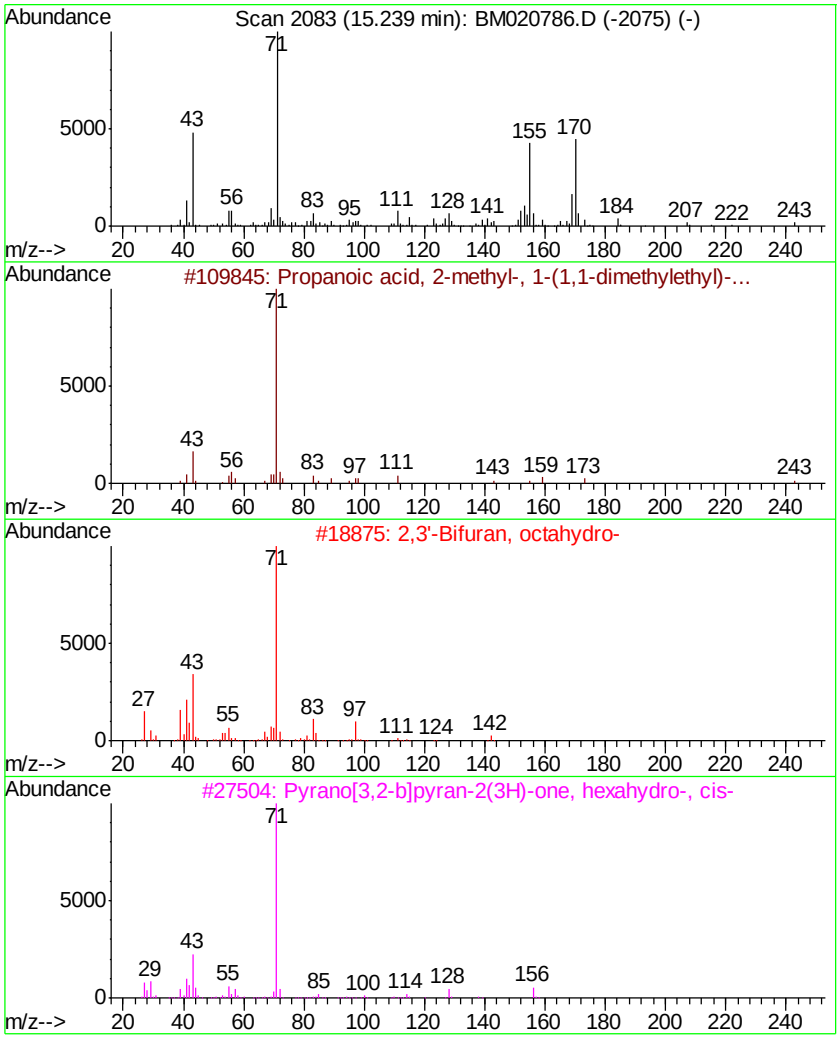
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

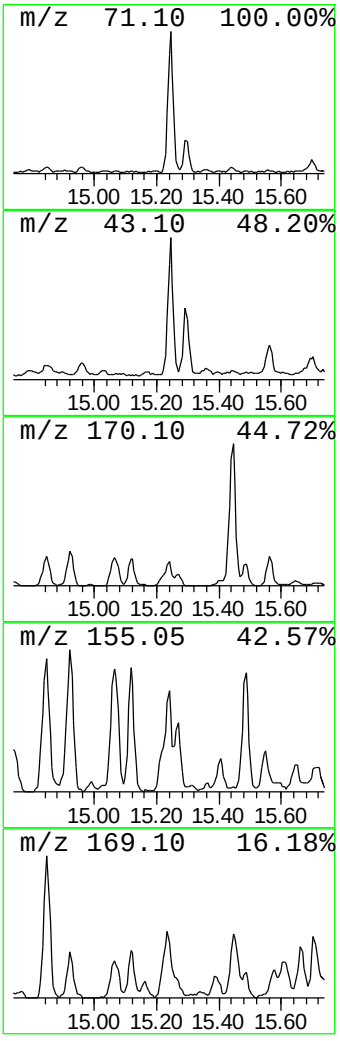
****

Peak Number 2 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.94 ng/ul	569820	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	30
2	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	27
3	Pyrano[3,2-b]pyran-2(3H)-one, he...	156	C8H12O3	060378-32-7	27
4	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	16
5	trans-2-Methyl-4-hexen-3-ol	114	C7H14O	096346-76-8	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

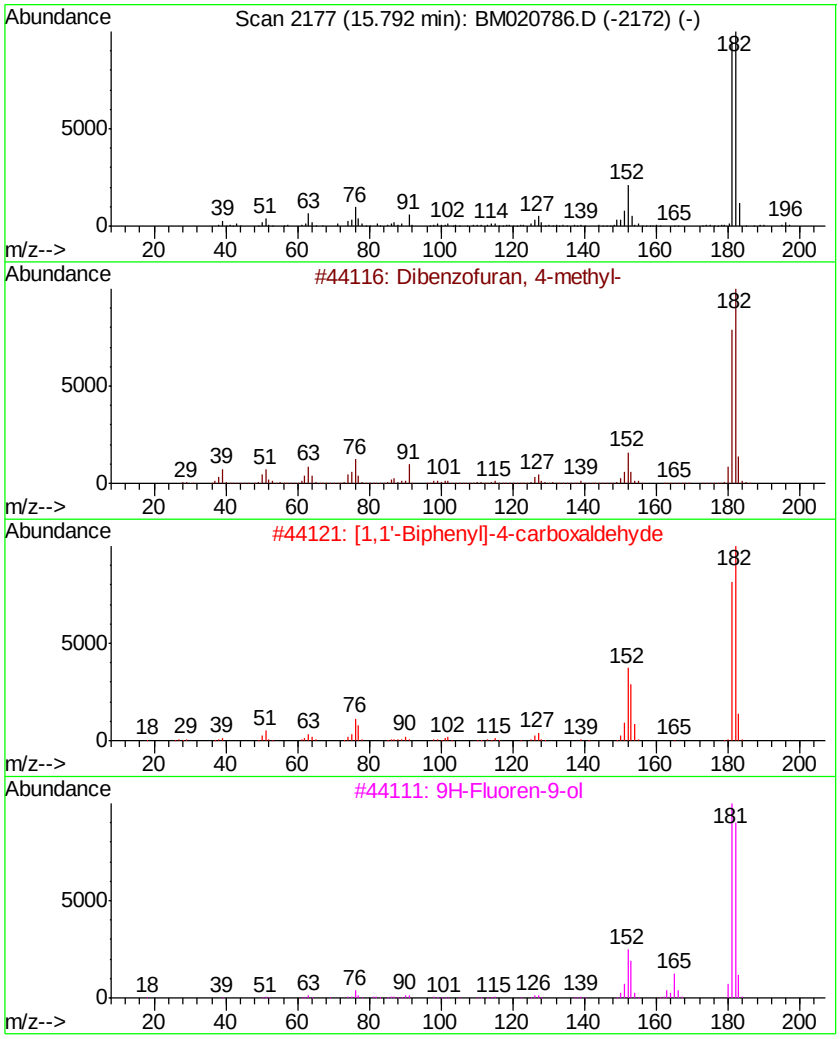
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

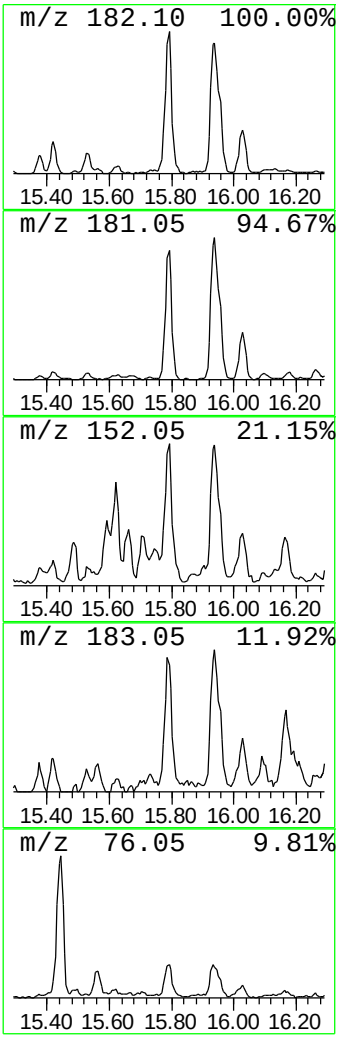
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.82 ng/ul	547518	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	60
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

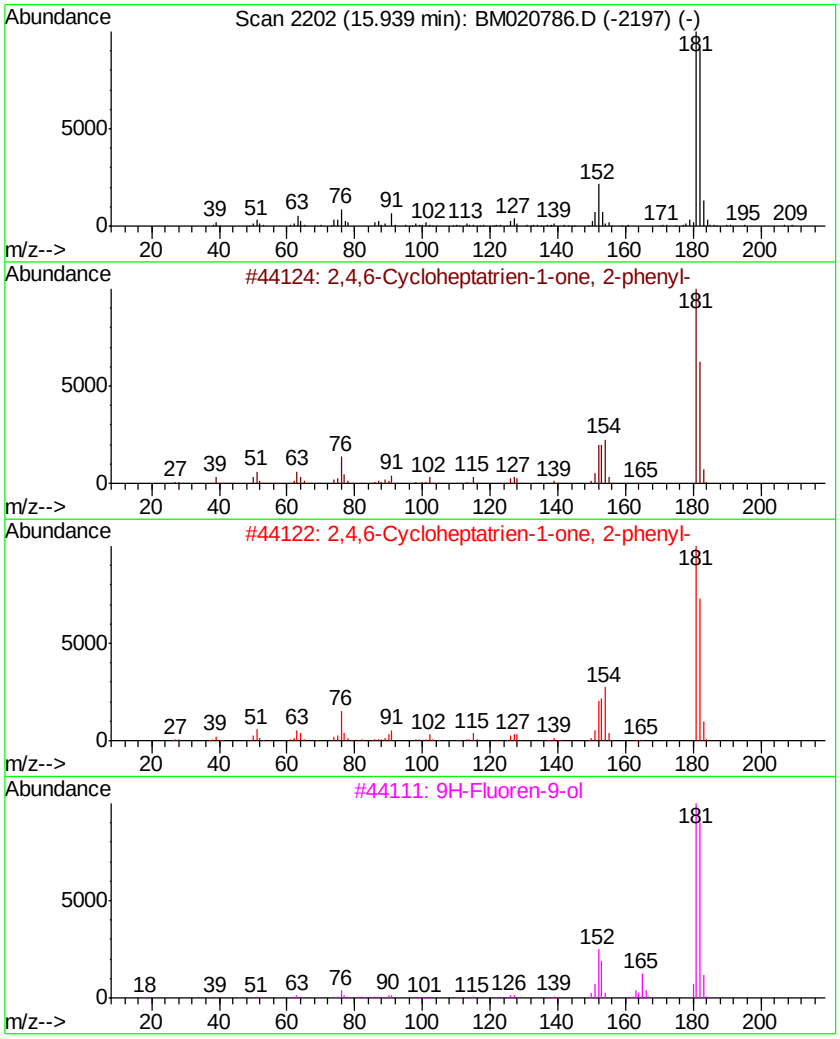
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

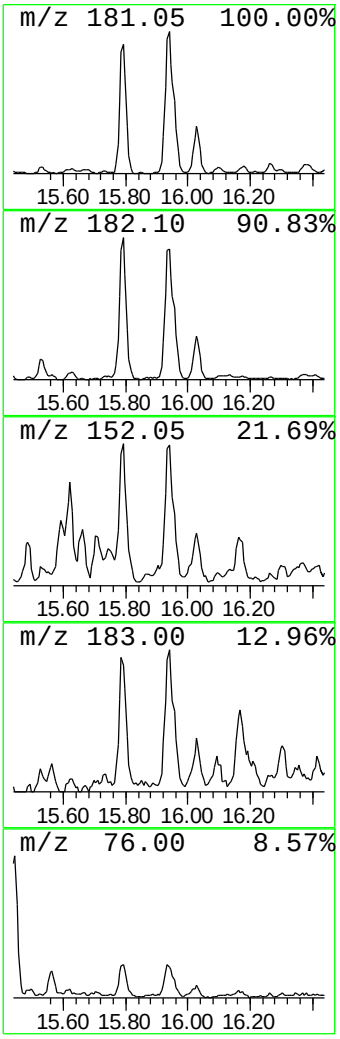
****

Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	2.64 ng/ul	582388	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

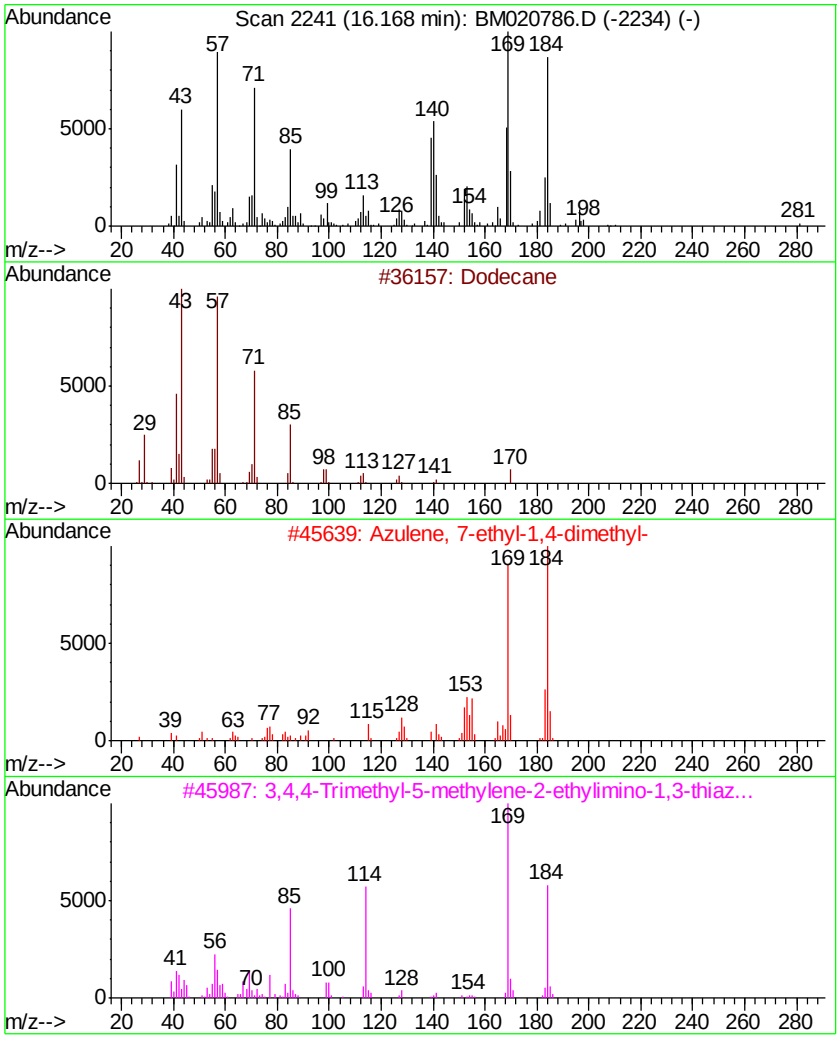
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

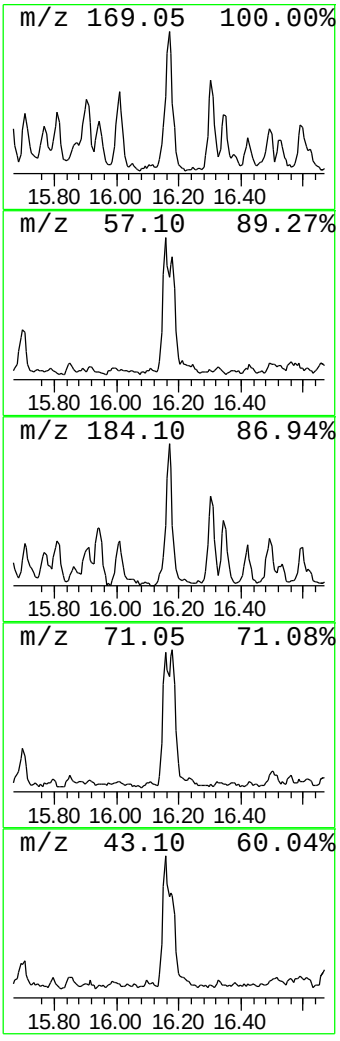
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.17 ng/ul	699365	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	35
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	35
3	3,4,4-Trimethyl-5-methylene-2-et...	184	C9H16N2S	037120-36-8	30
4	1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	25
5	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	20





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

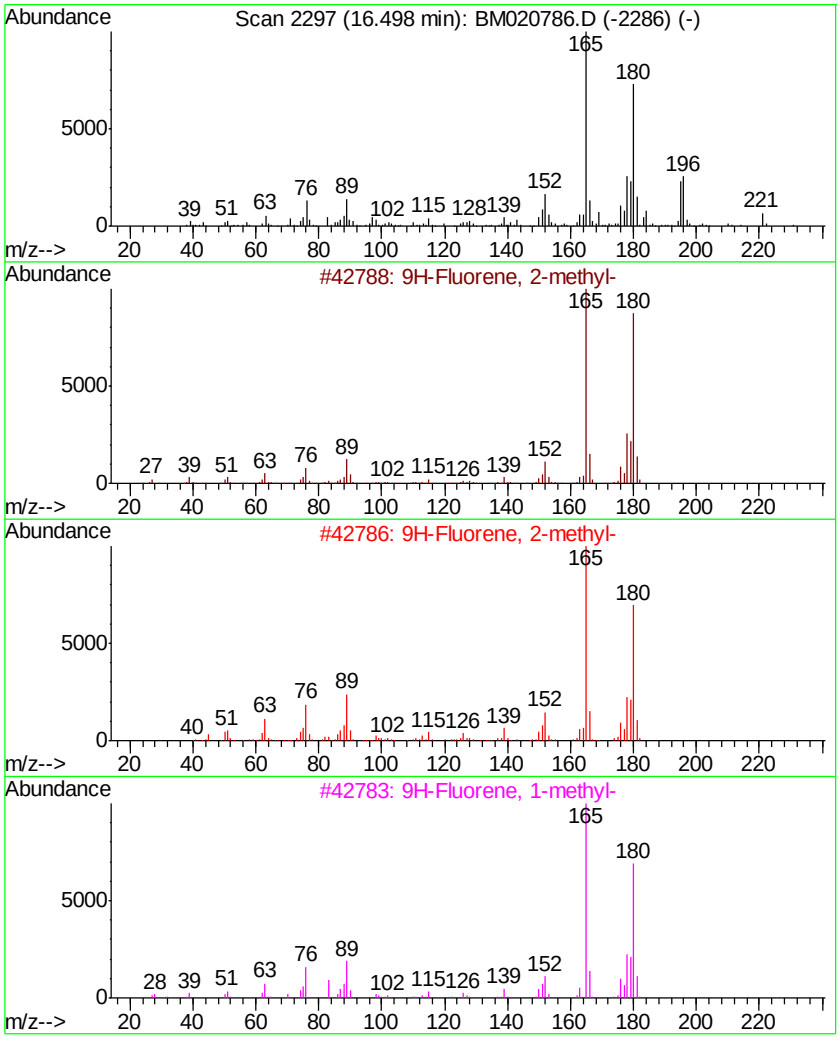
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

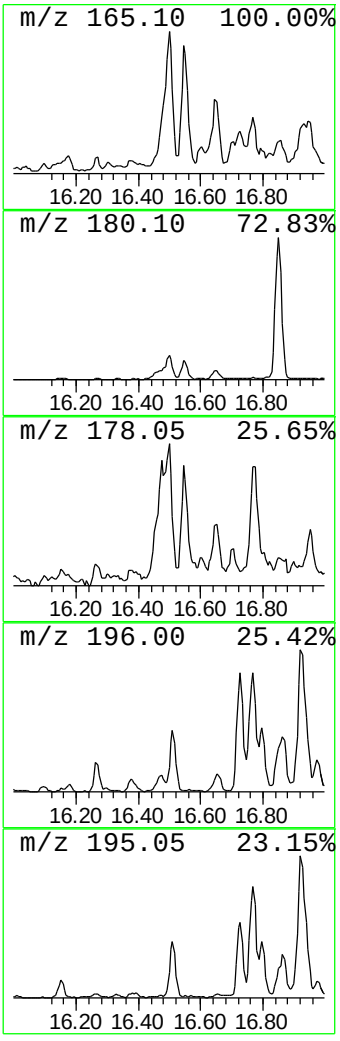
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	3.50 ng/ul	773201	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

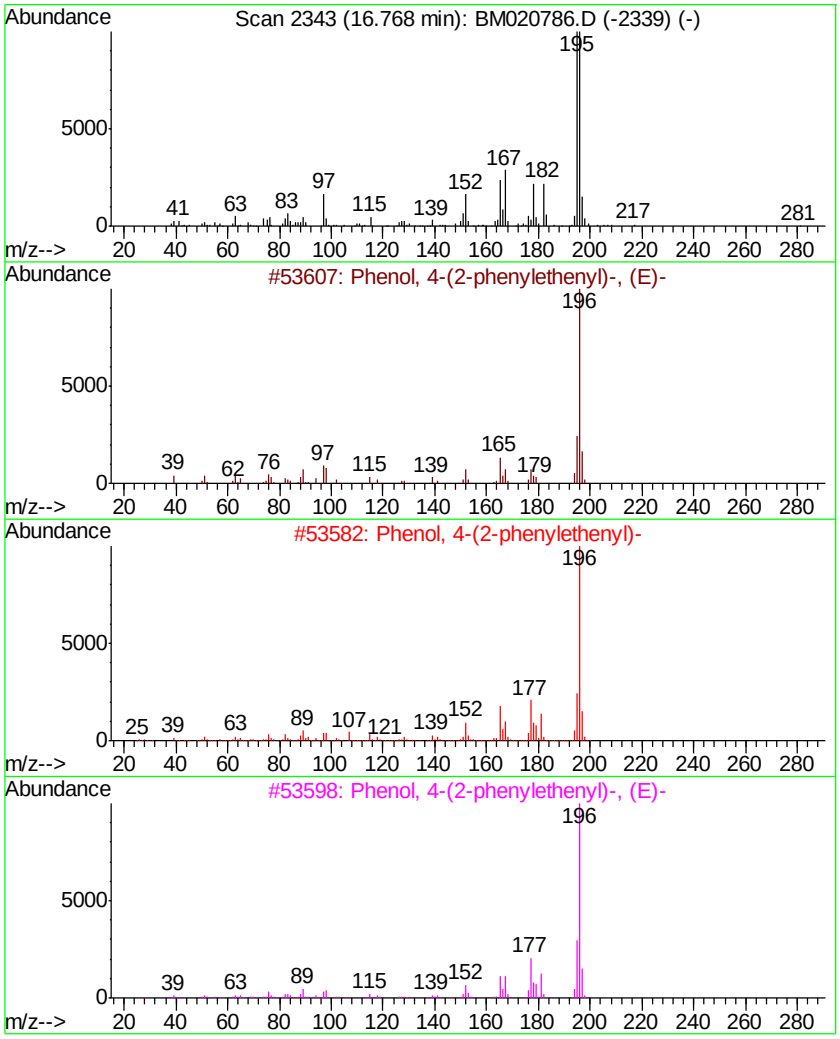
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

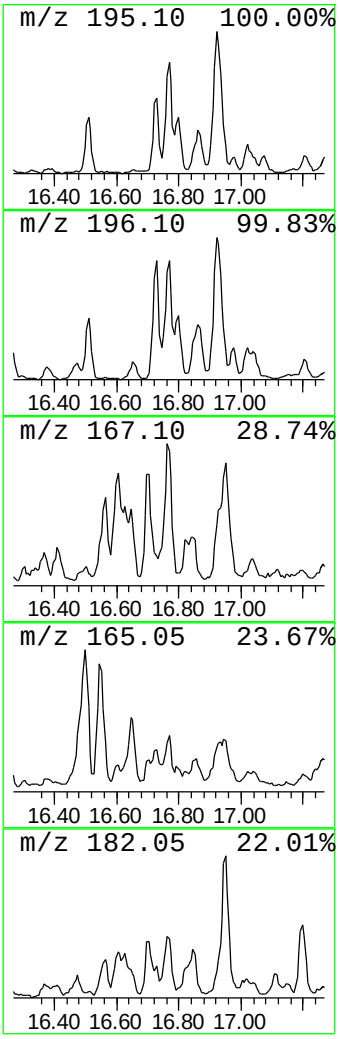
****

Peak Number 7 Phenol, 4-(2-phenylethenyl)... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.11 ng/ul	466846	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	43
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	40
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

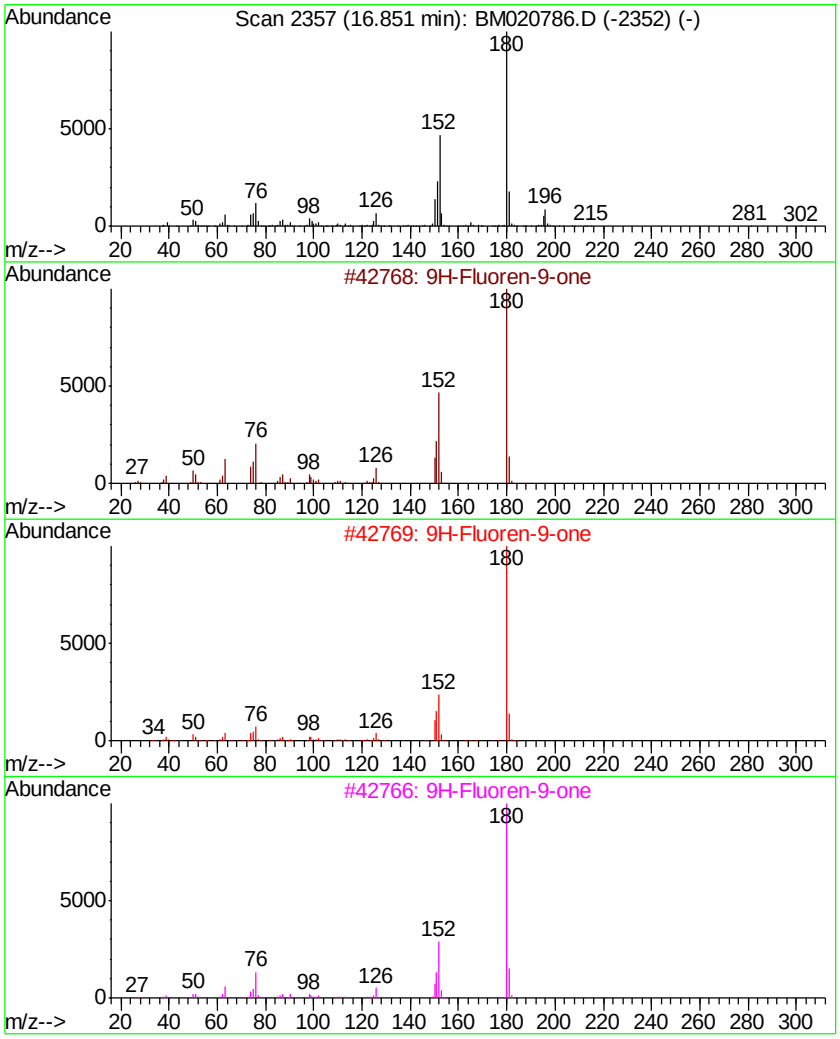
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

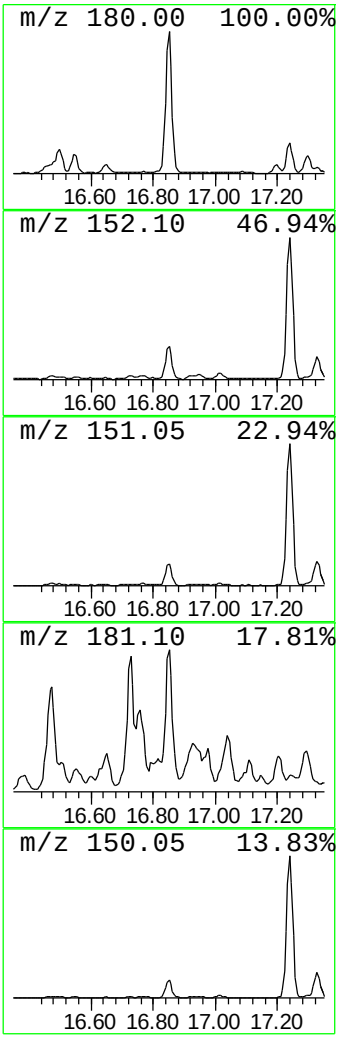
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	4.68 ng/ul	1034110	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

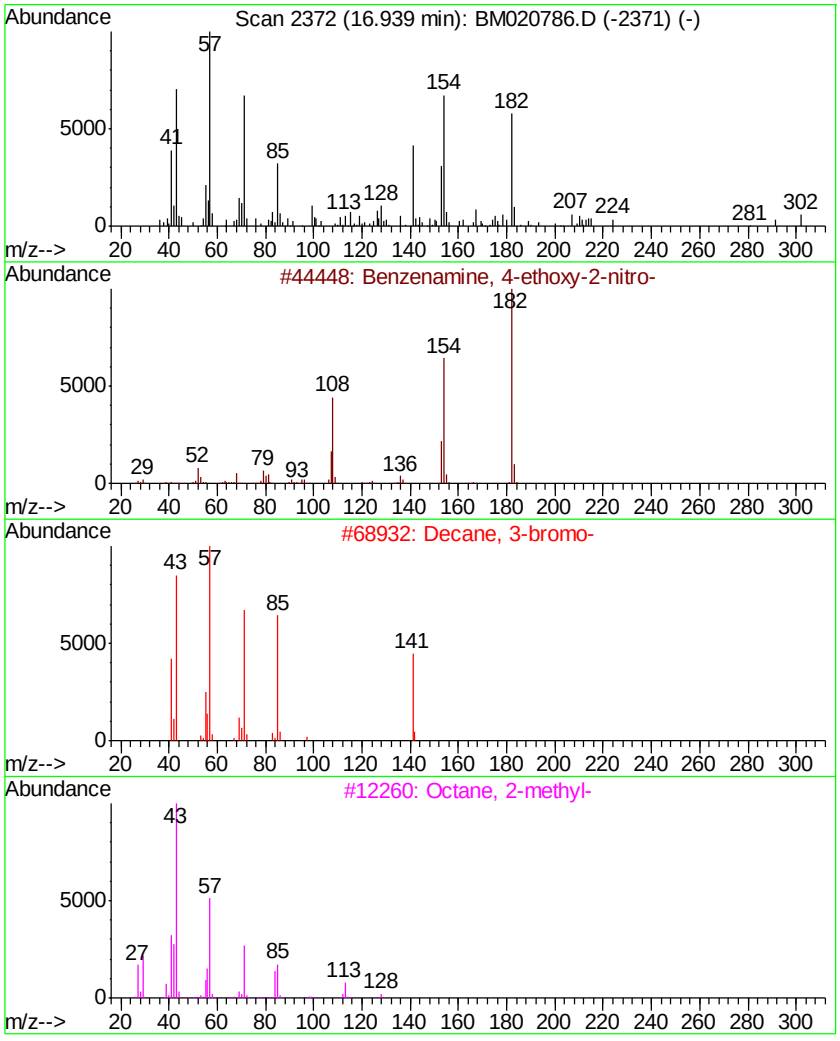
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

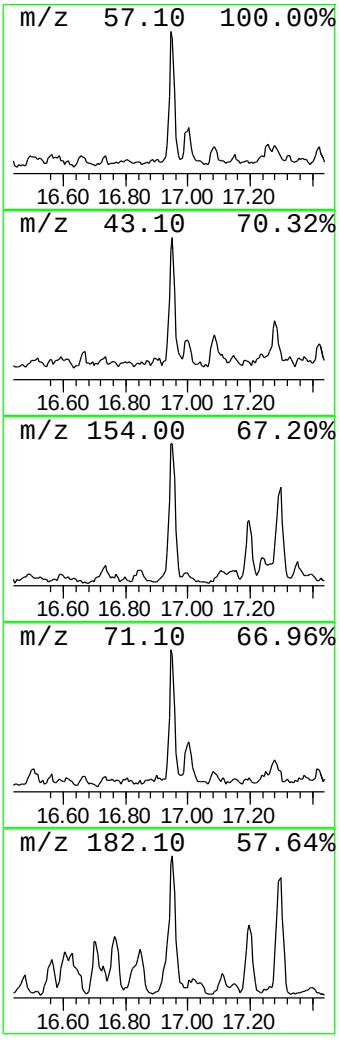
****

Peak Number 9 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	2.69 ng/ul	593891	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-ethoxy-2-nitro-	182	C8H10N2O3	000616-86-4	35
2	Decane, 3-bromo-	220	C10H21Br	030571-71-2	27
3	Octane, 2-methyl-	128	C9H20	003221-61-2	18
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	14
5	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

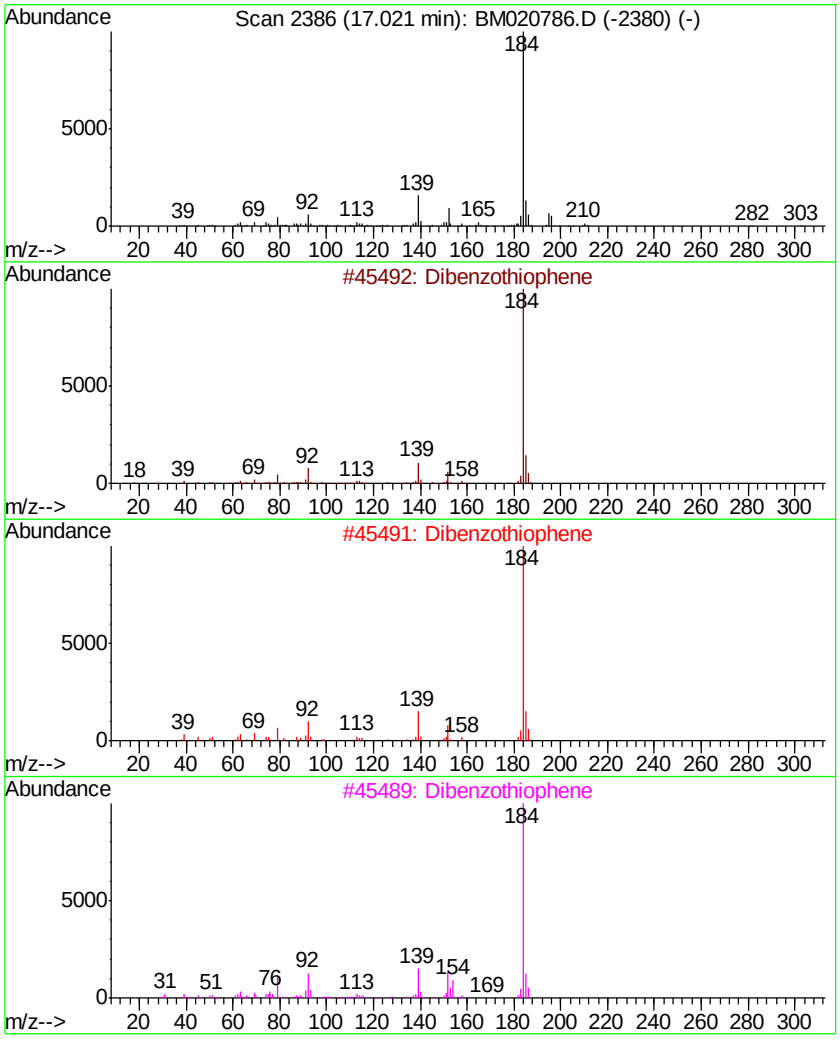
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

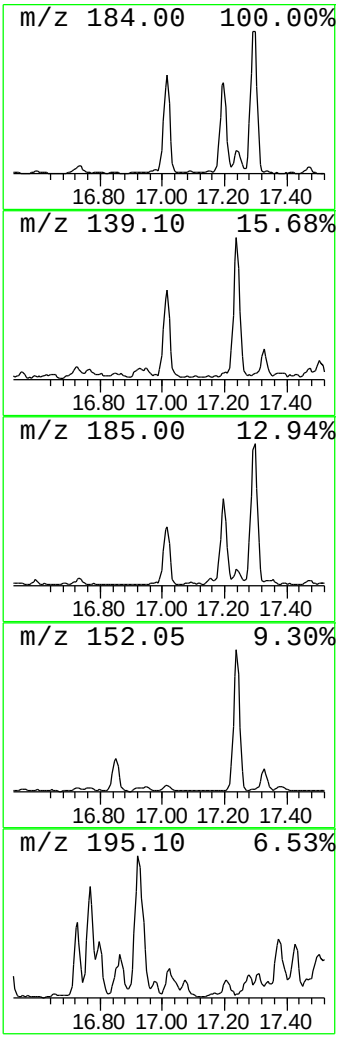
****

Peak Number 10 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.44 ng/ul	759107	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

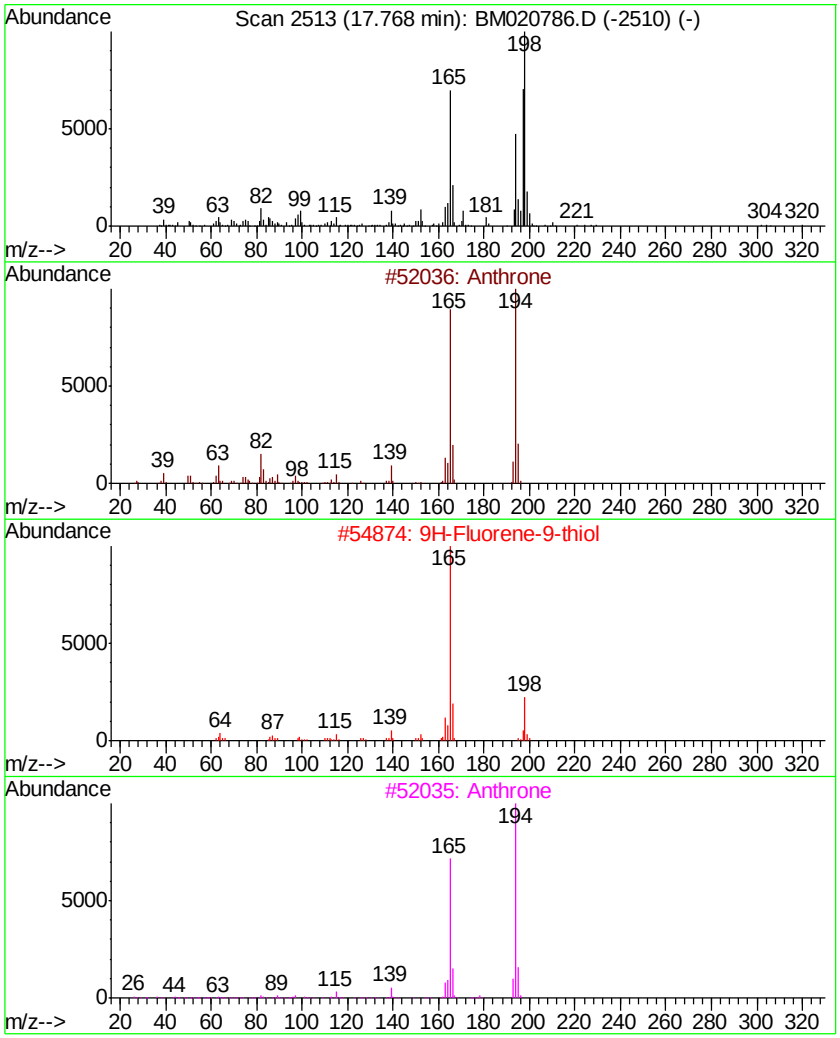
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

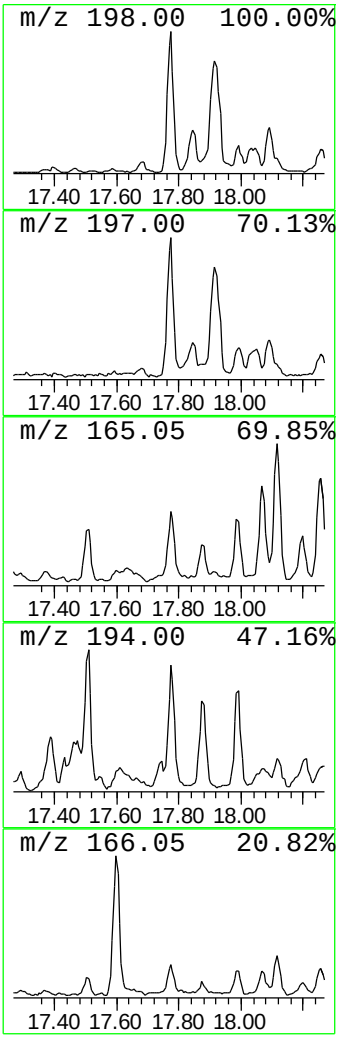
****

Peak Number 11 Anthrone Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.33 ng/ul	514081	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	70
2	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	62
3	Anthrone	194	C14H10O	000090-44-8	55
4	Anthrone	194	C14H10O	000090-44-8	55
5	Methanethione, diphenyl-	198	C13H10S	001450-31-3	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

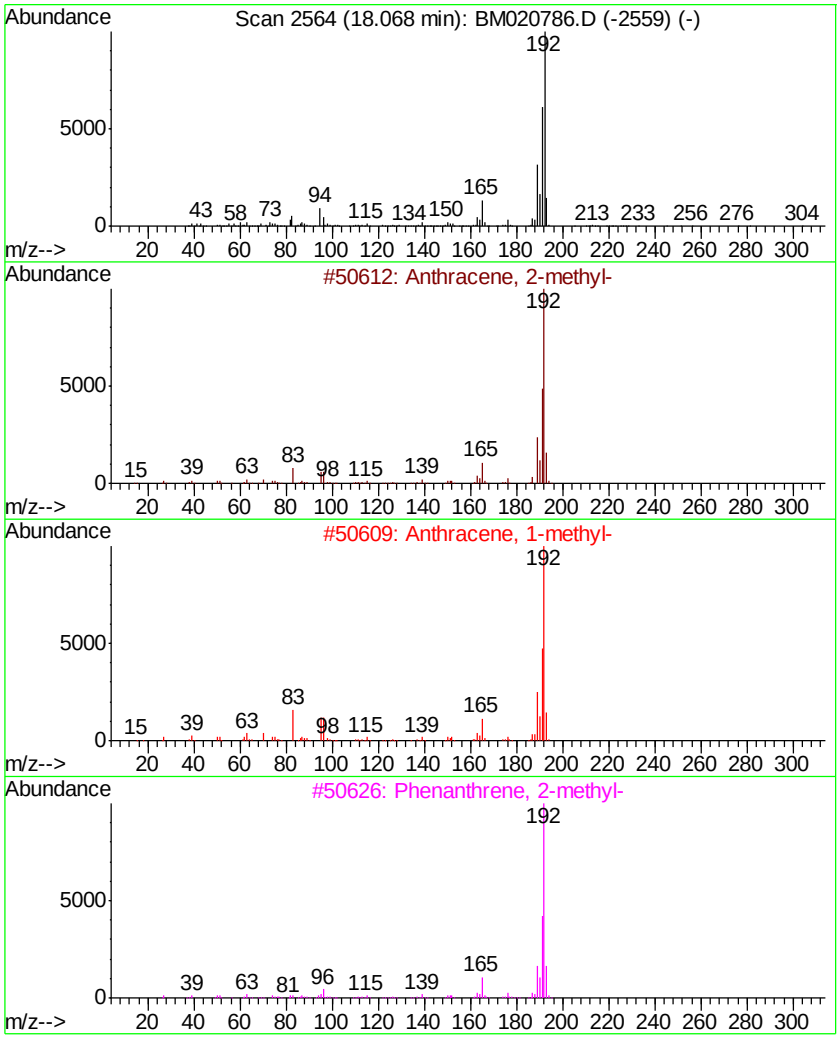
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

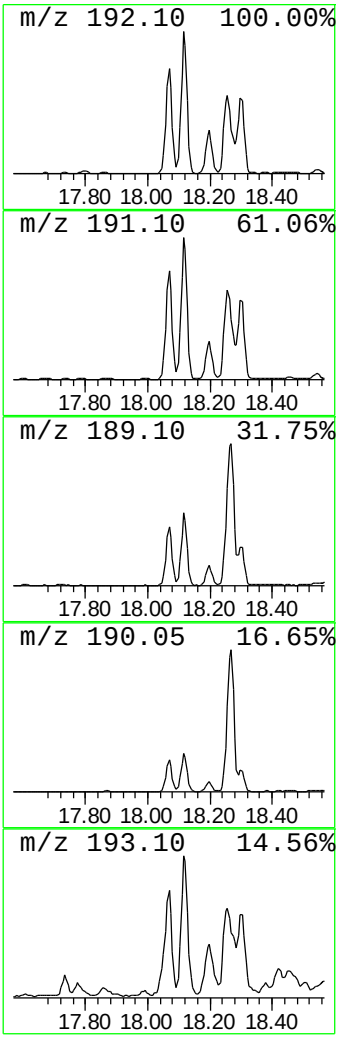
****

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	18.46 ng/ul	4075420	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

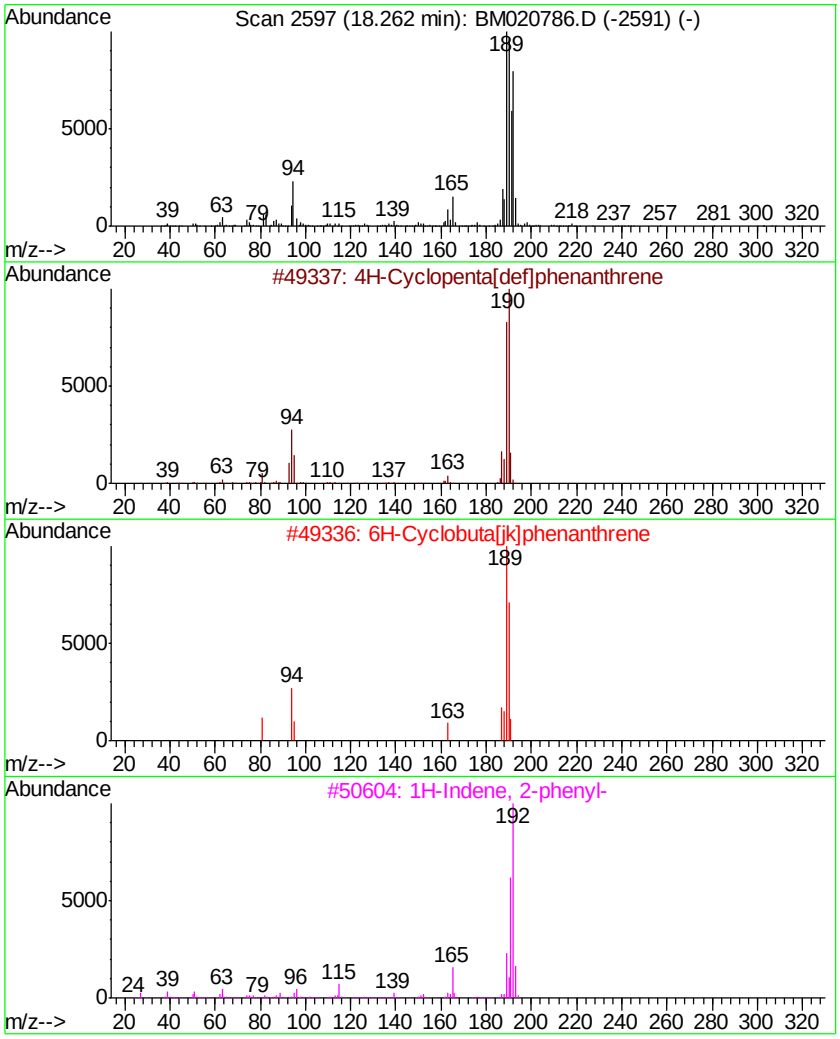
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

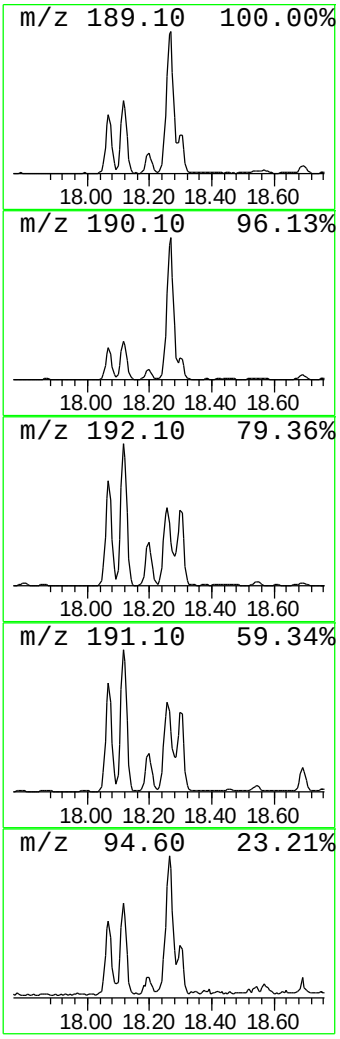
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	18.04 ng/ul	3982470	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

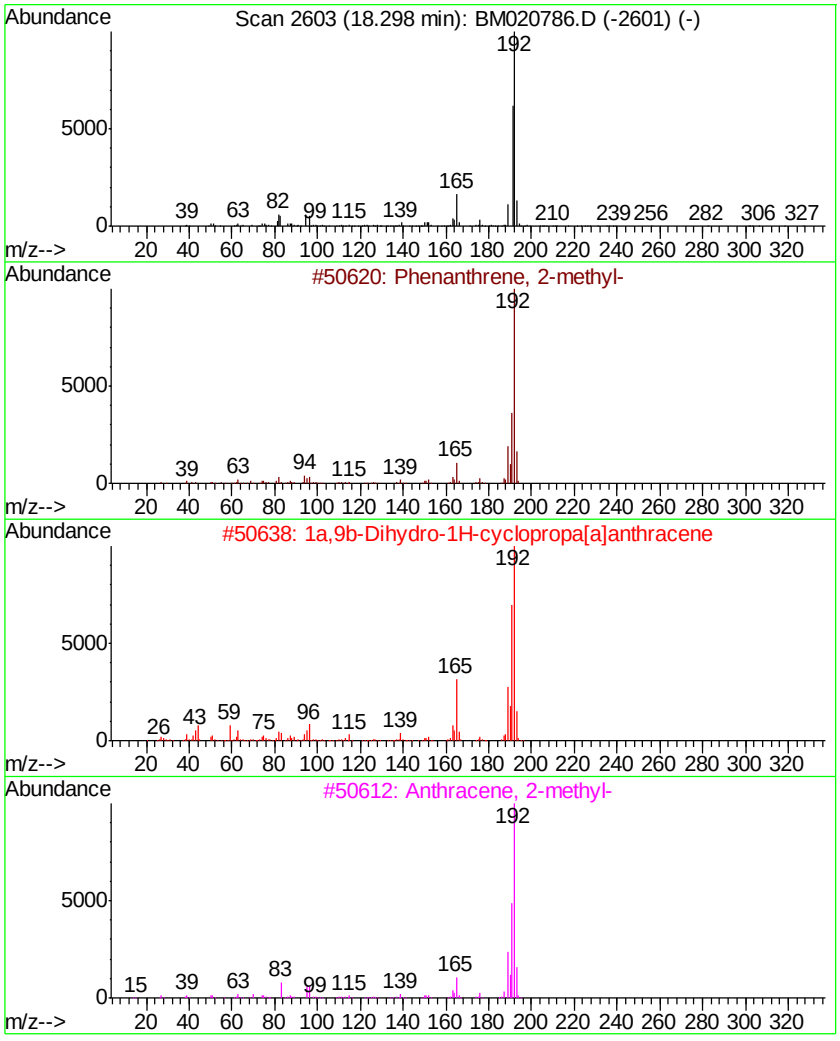
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

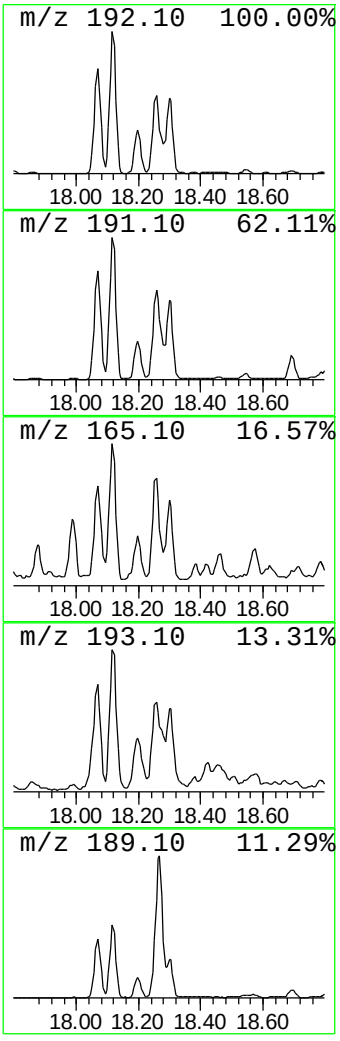
****

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	7.01 ng/ul	1547960	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

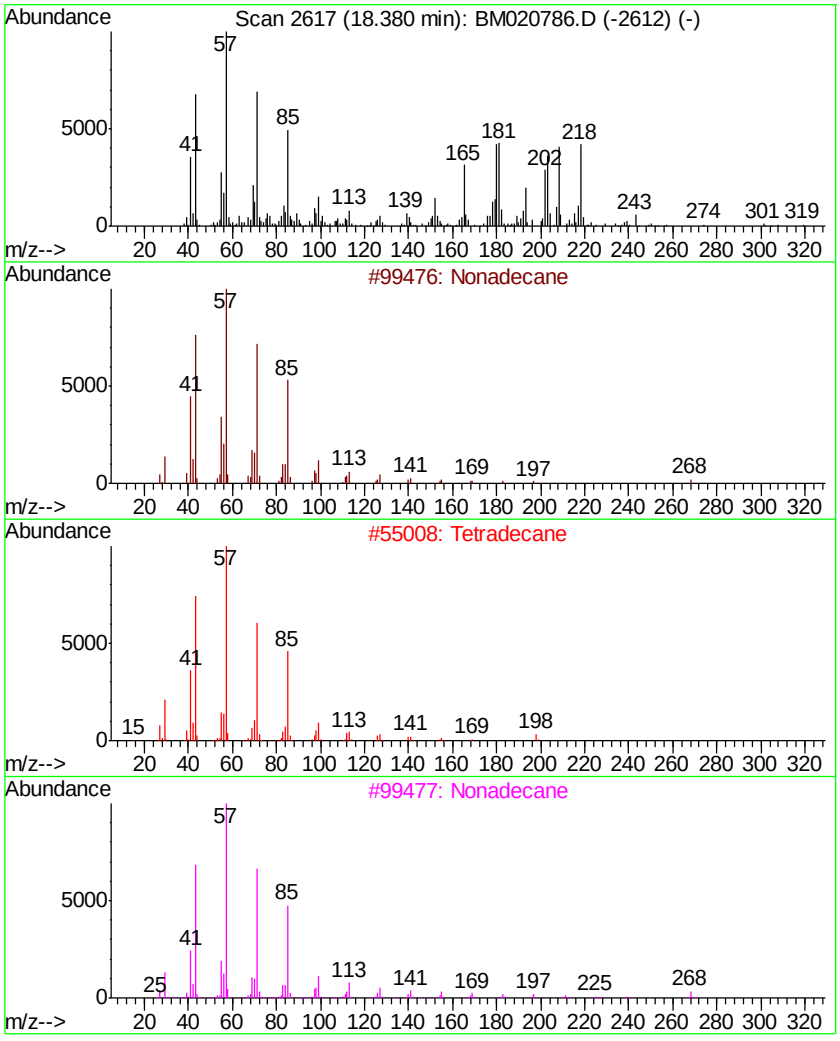
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

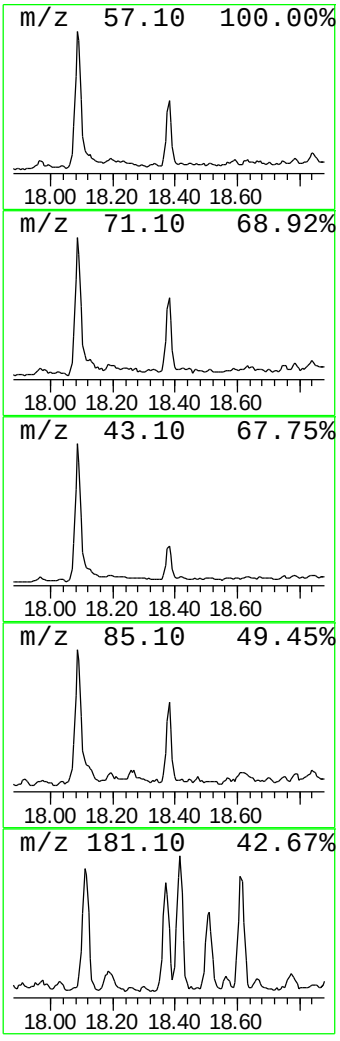
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.60 ng/ul	573264	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	15
2	Tetradecane	198	C14H30	000629-59-4	11
3	Nonadecane	268	C19H40	000629-92-5	11
4	Hexadecane	226	C16H34	000544-76-3	11
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

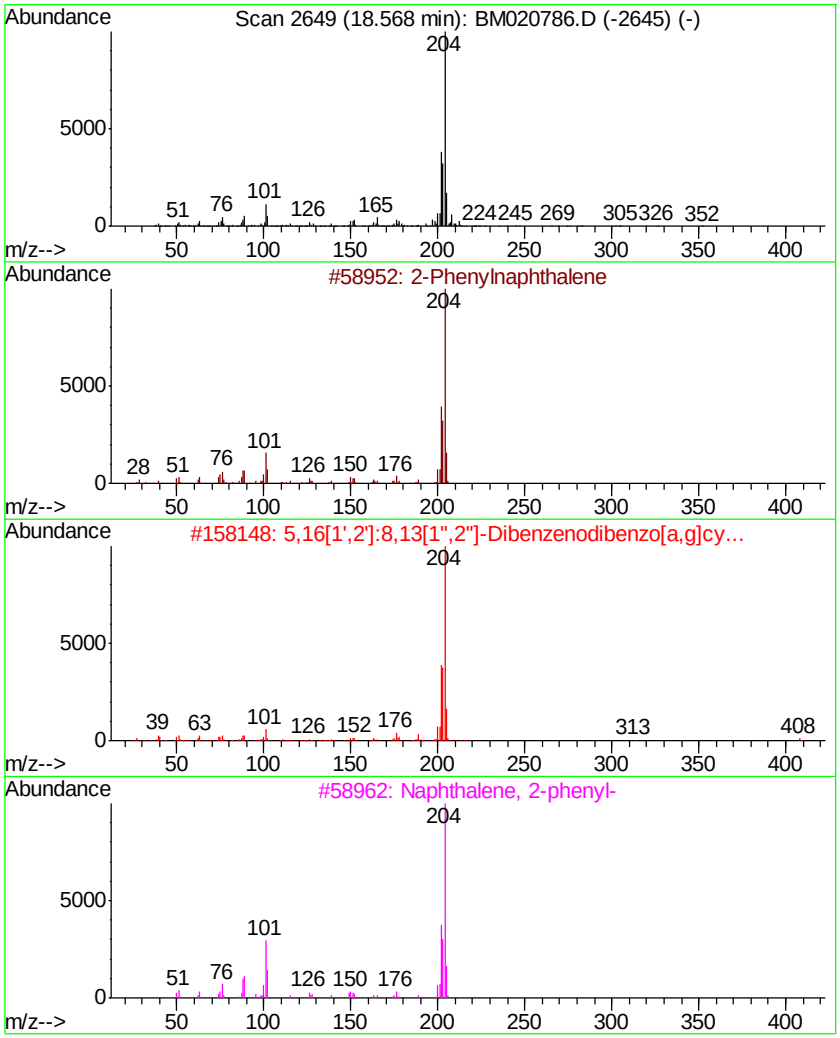
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

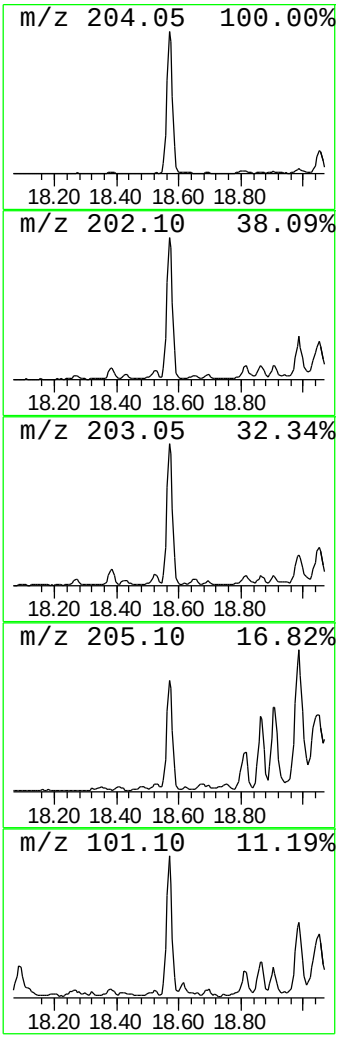
****

Peak Number 18 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	8.50 ng/ul	1877000	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

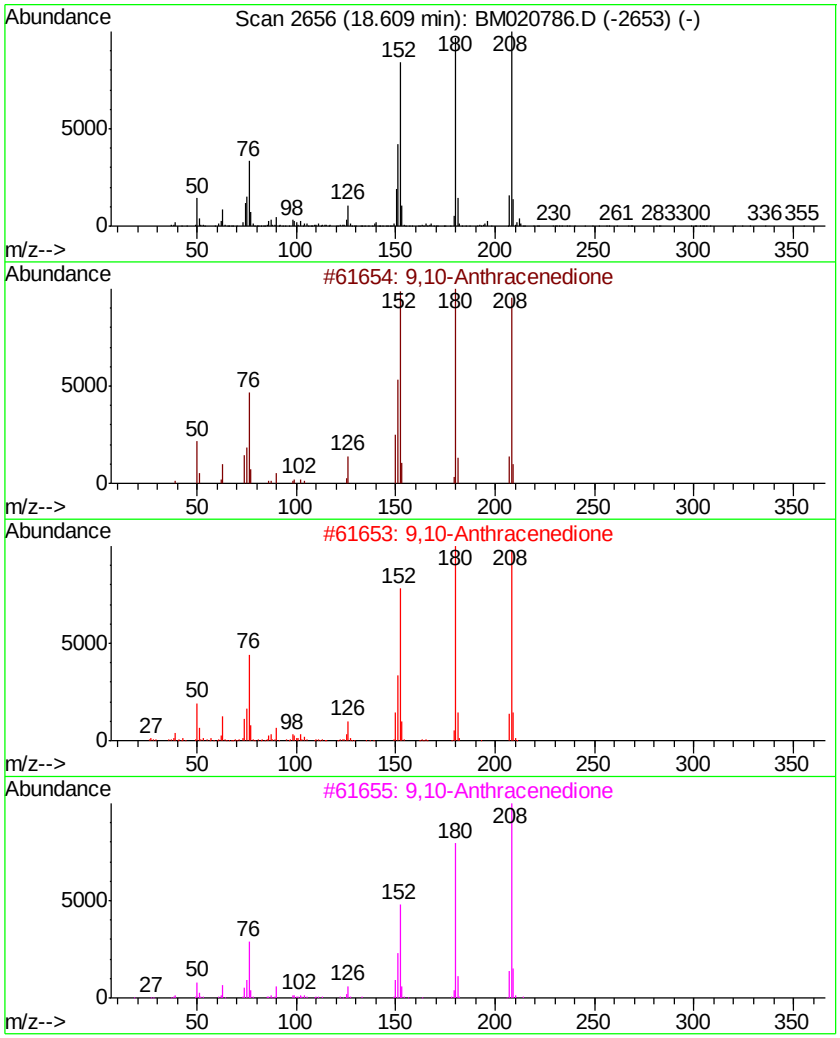
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

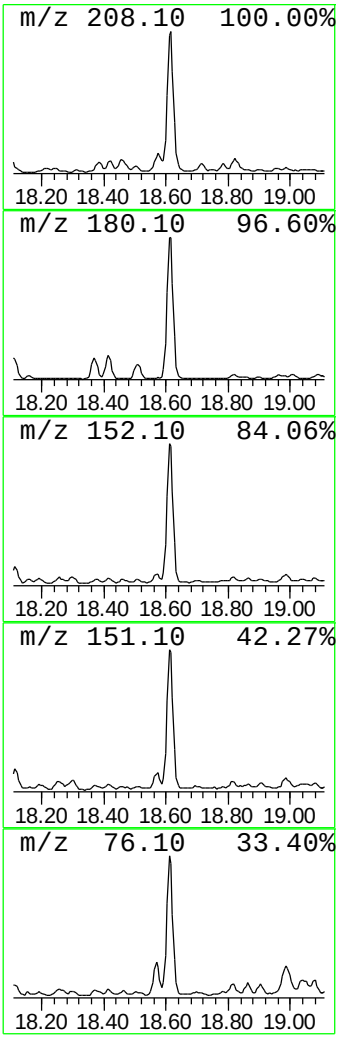
****

Peak Number 19 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	9.51 ng/ul	2099520	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

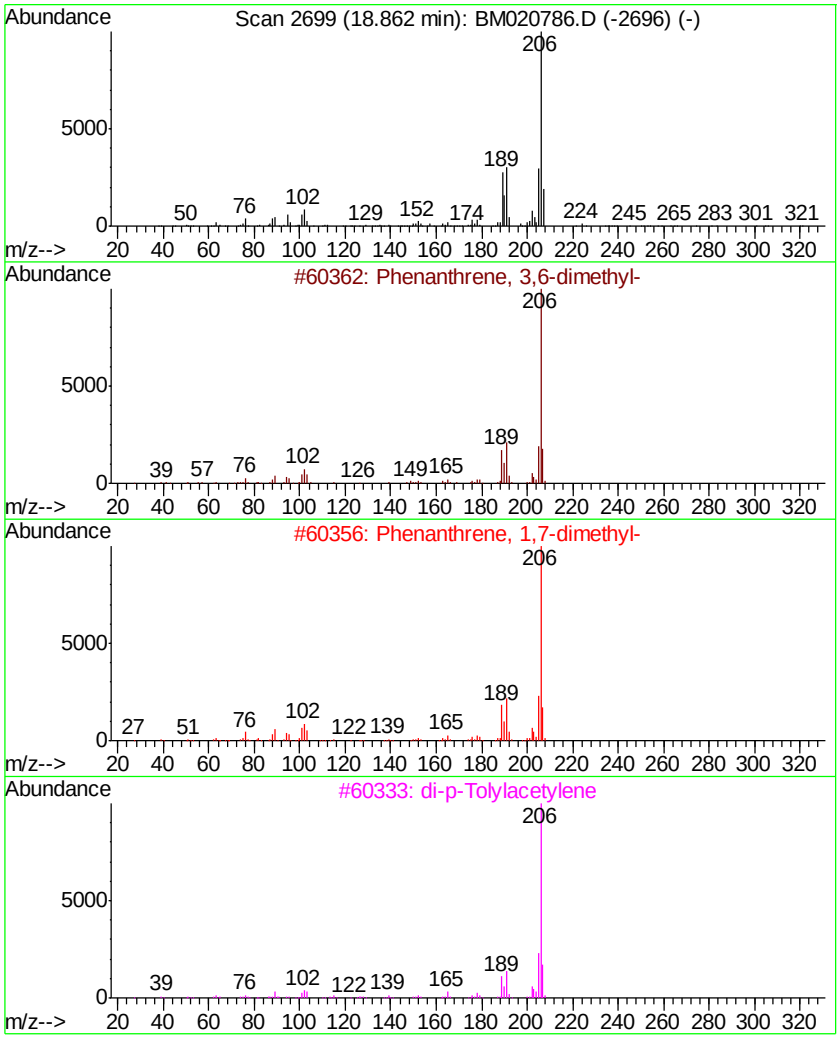
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

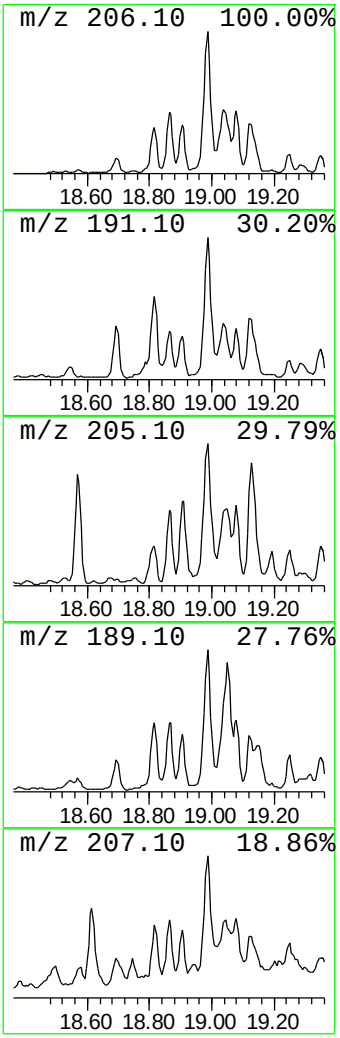
****

Peak Number 21 Phenanthrene, 3,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.07 ng/ul	677740	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

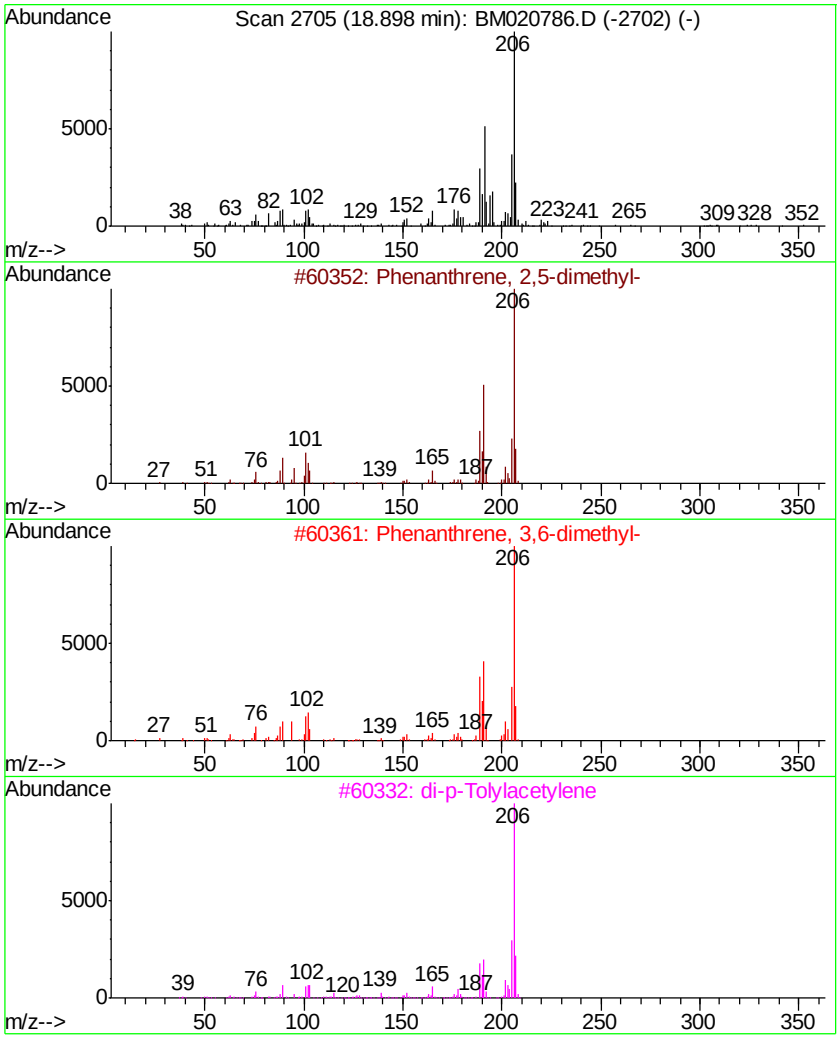
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

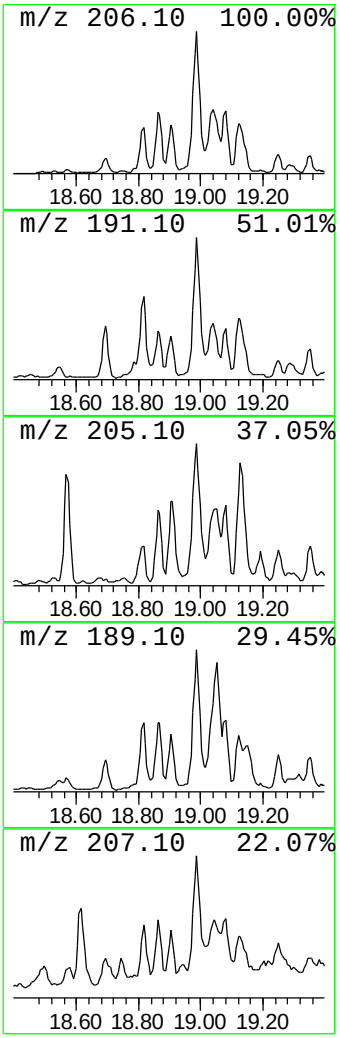
****

Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.79 ng/ul	616727	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	78
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

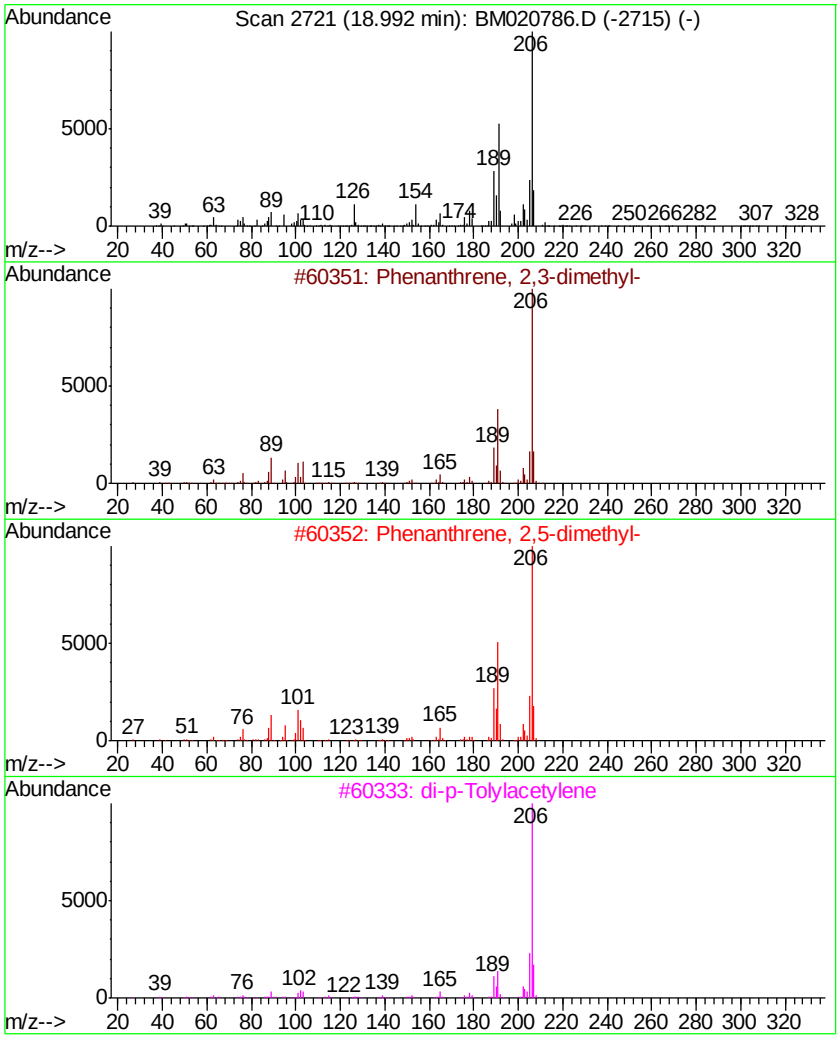
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

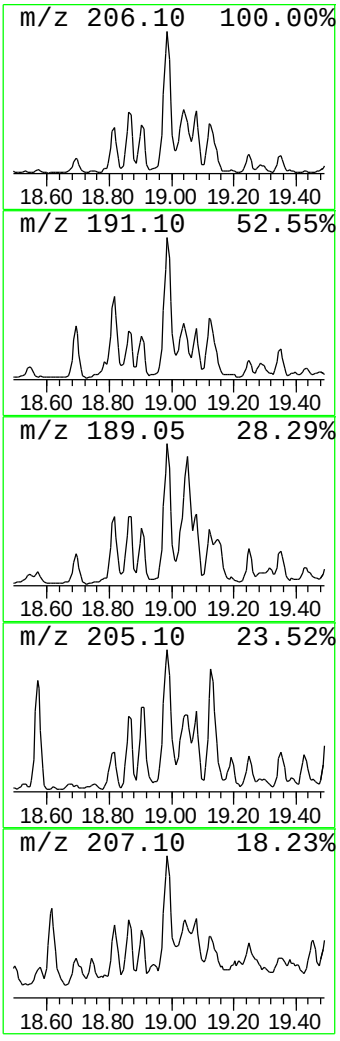
****

Peak Number 23 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	12.32 ng/ul	2719680	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

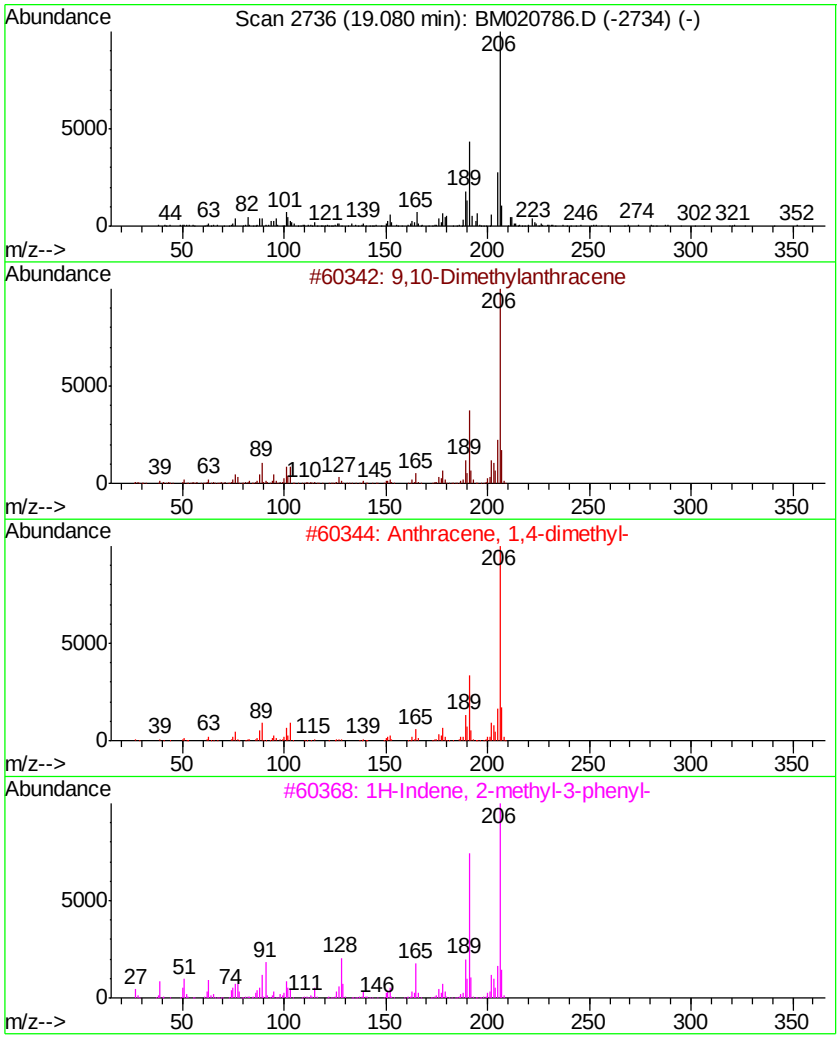
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

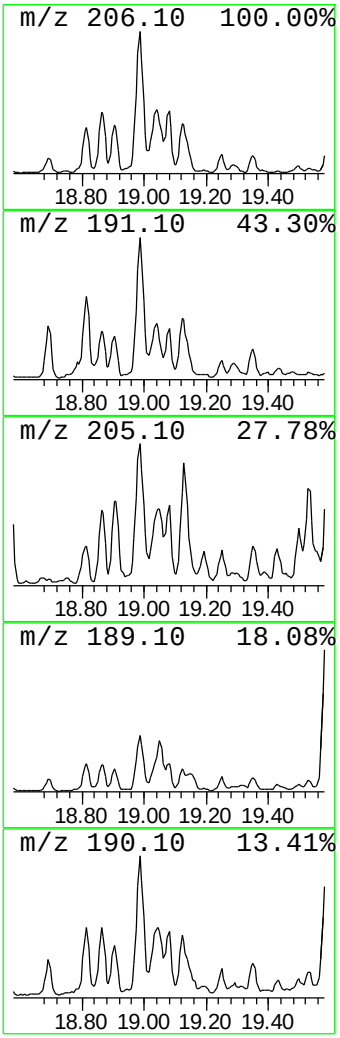
****

Peak Number 25 9,10-Dimethylanthracene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.56 ng/ul	565116	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	72
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

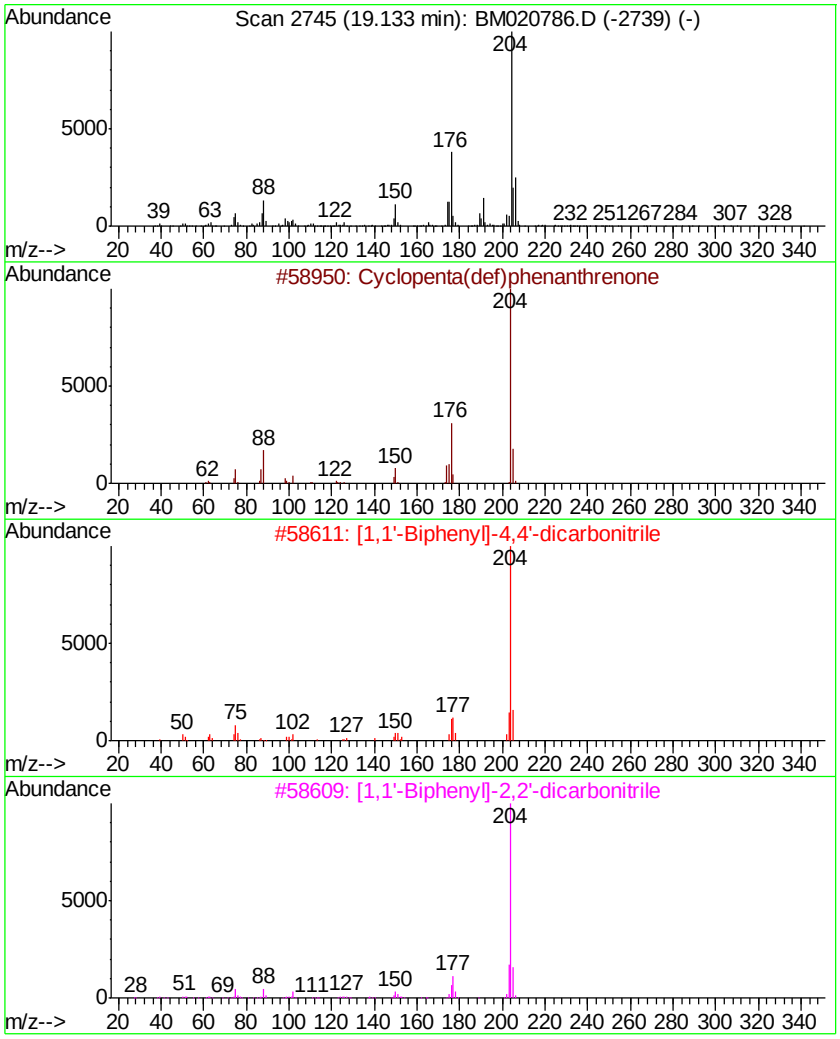
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

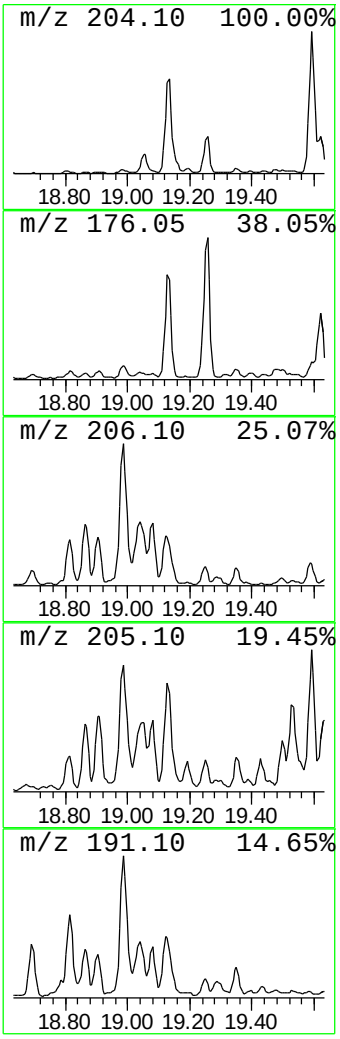
****

Peak Number 26 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	9.94 ng/ul	2193620	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

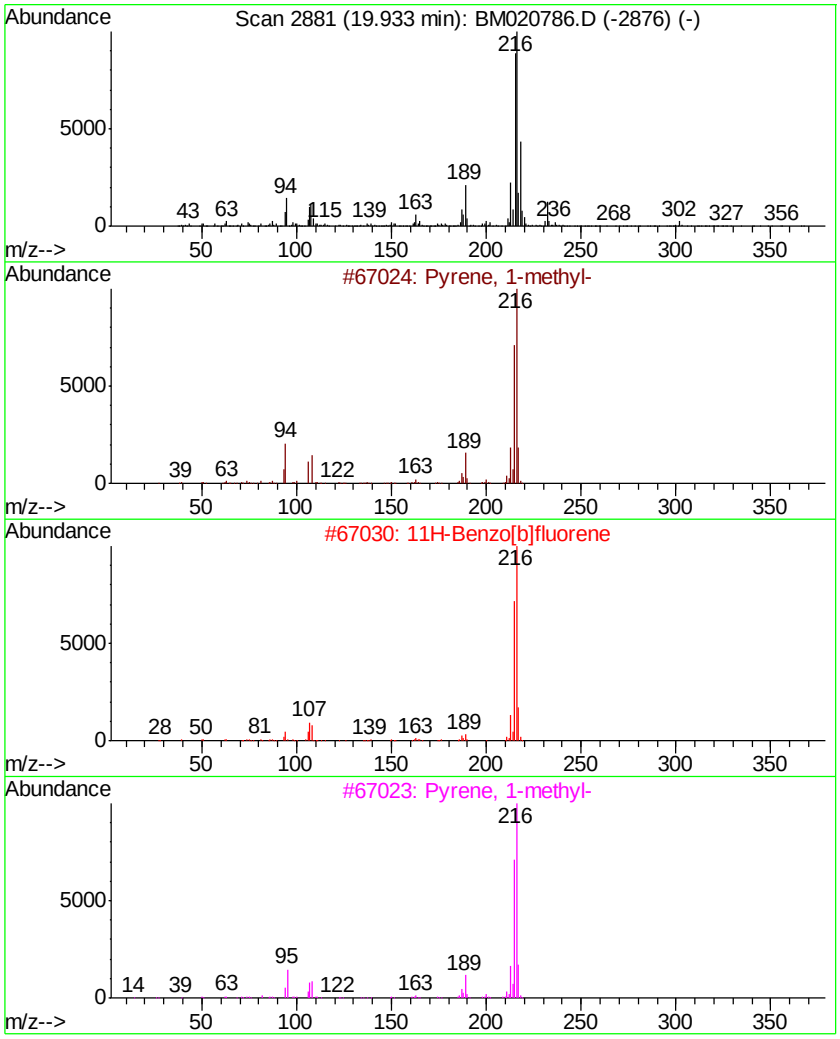
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

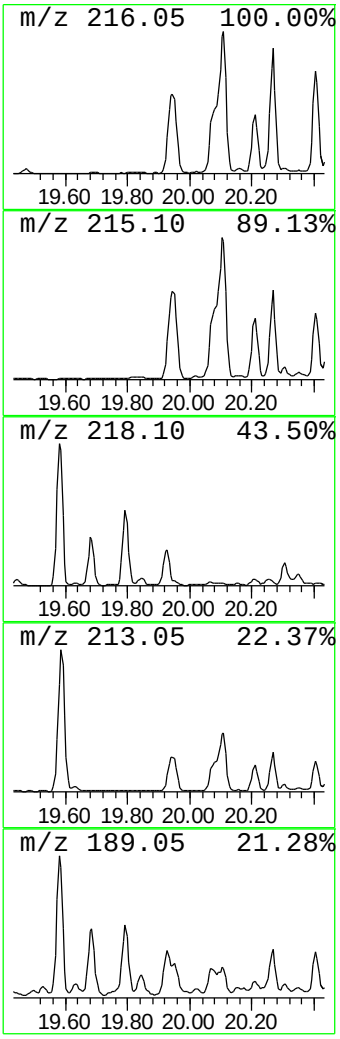
****

Peak Number 27 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.25 ng/ul	3738110	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

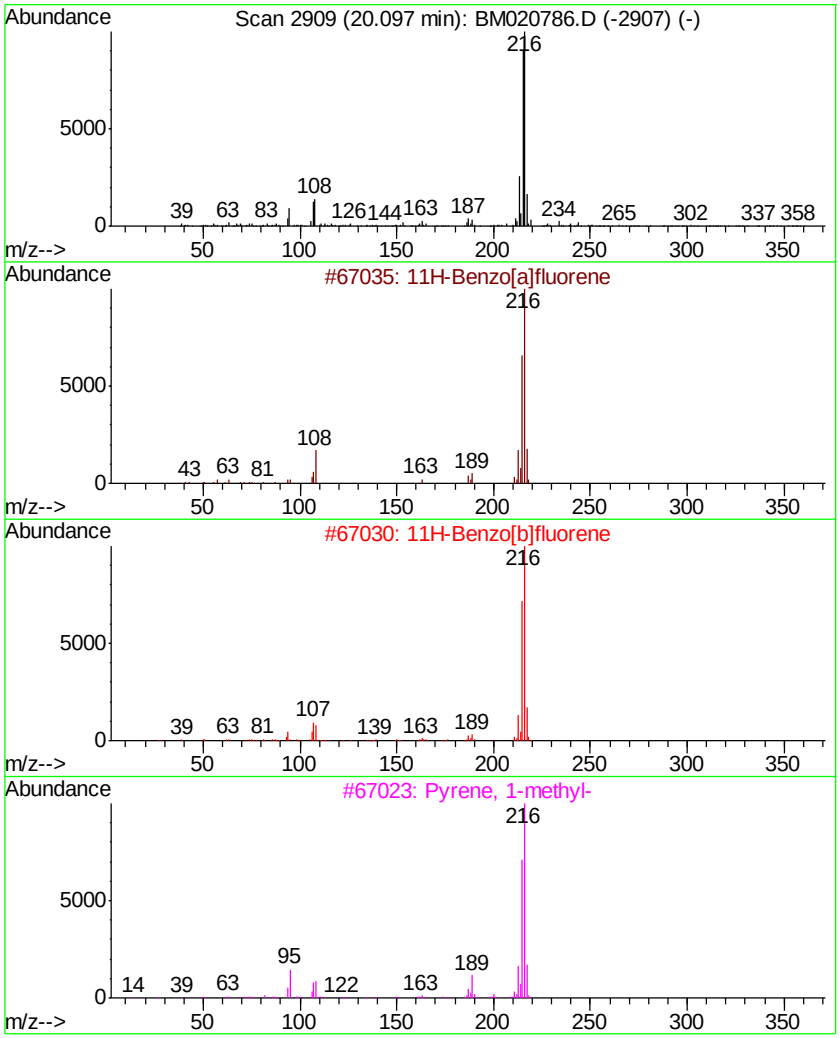
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

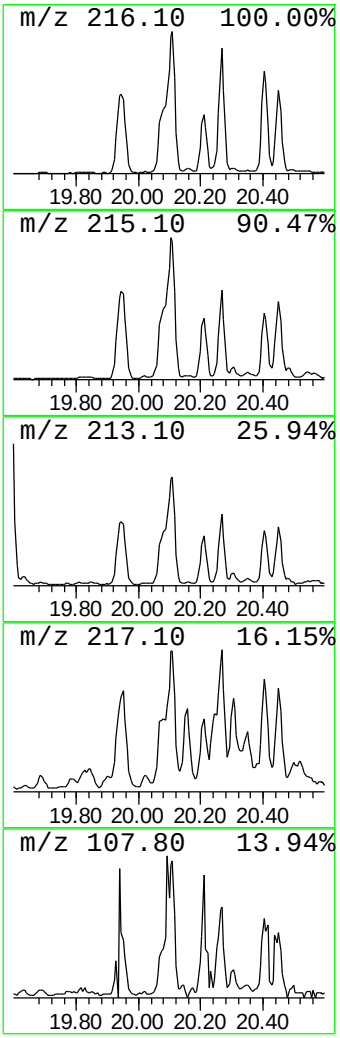
****

Peak Number 28 11H-Benzo[a]fluorene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.77 ng/ul	3184810	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

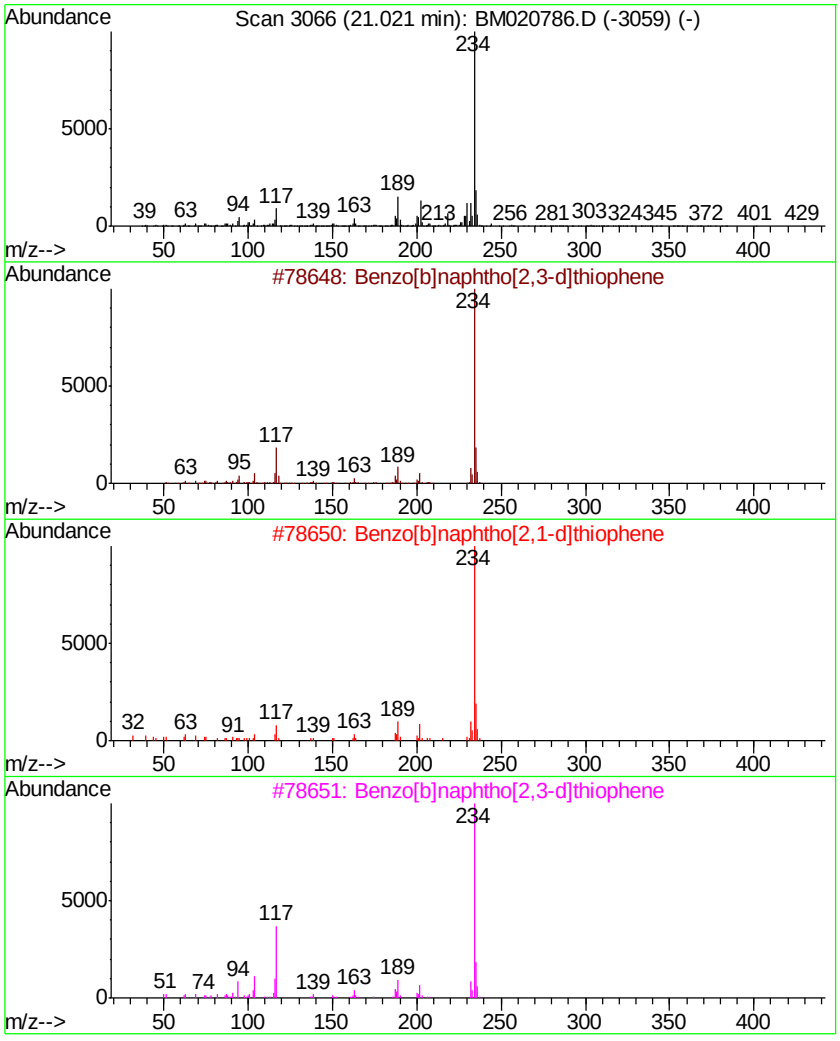
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

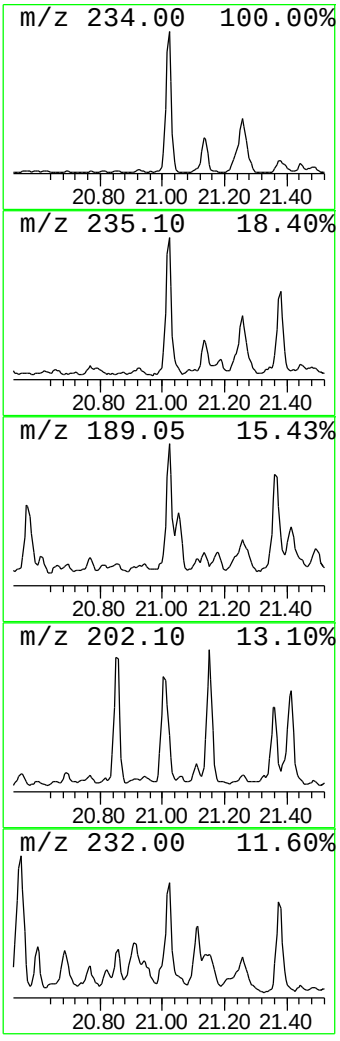
****

Peak Number 31 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.23 ng/ul	3714900	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

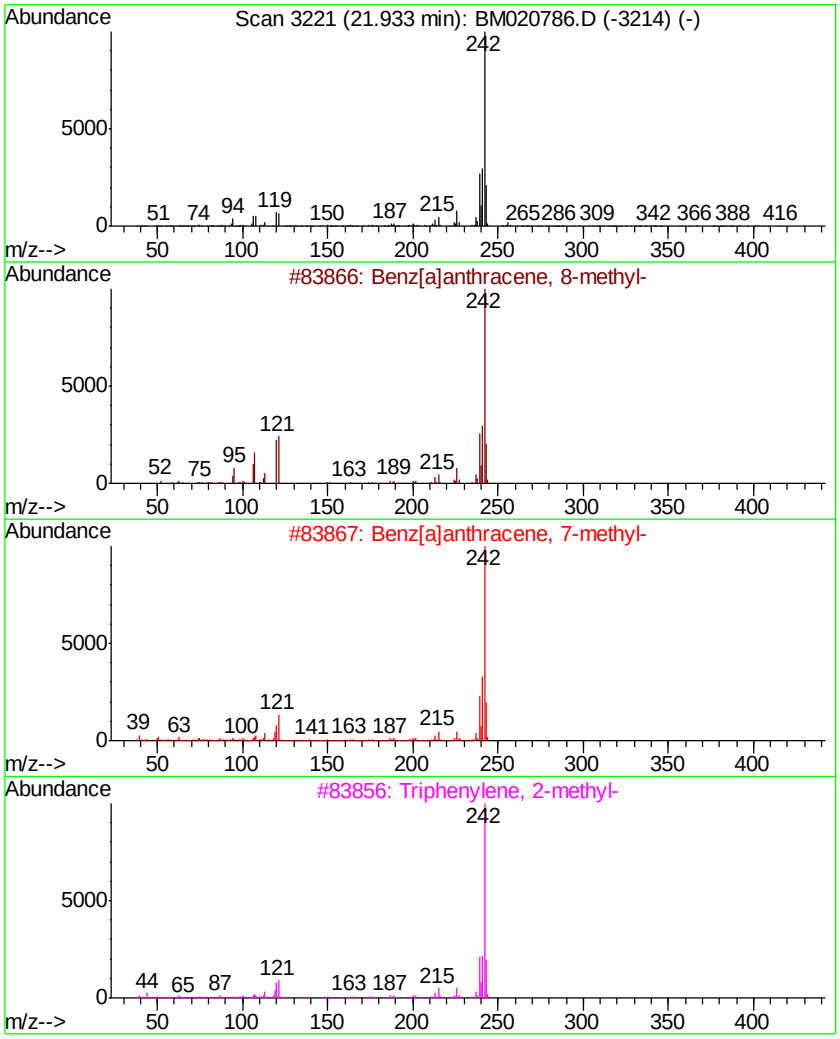
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

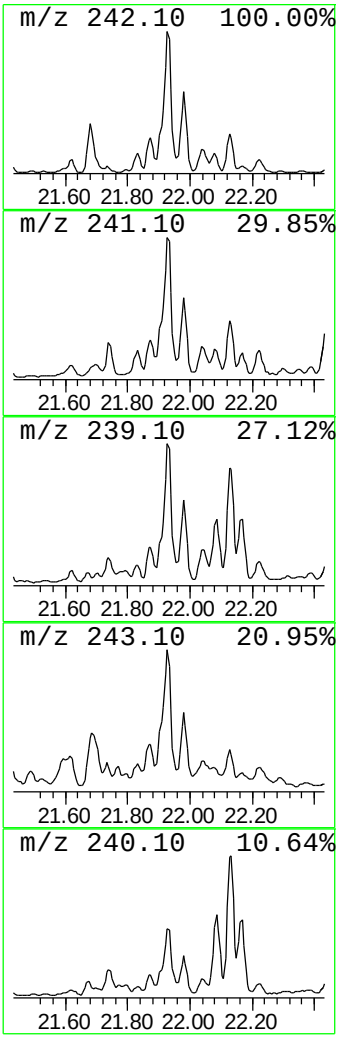
****

Peak Number 33 Benz[a]anthracene, 8-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	2.89 ng/ul	3329960	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

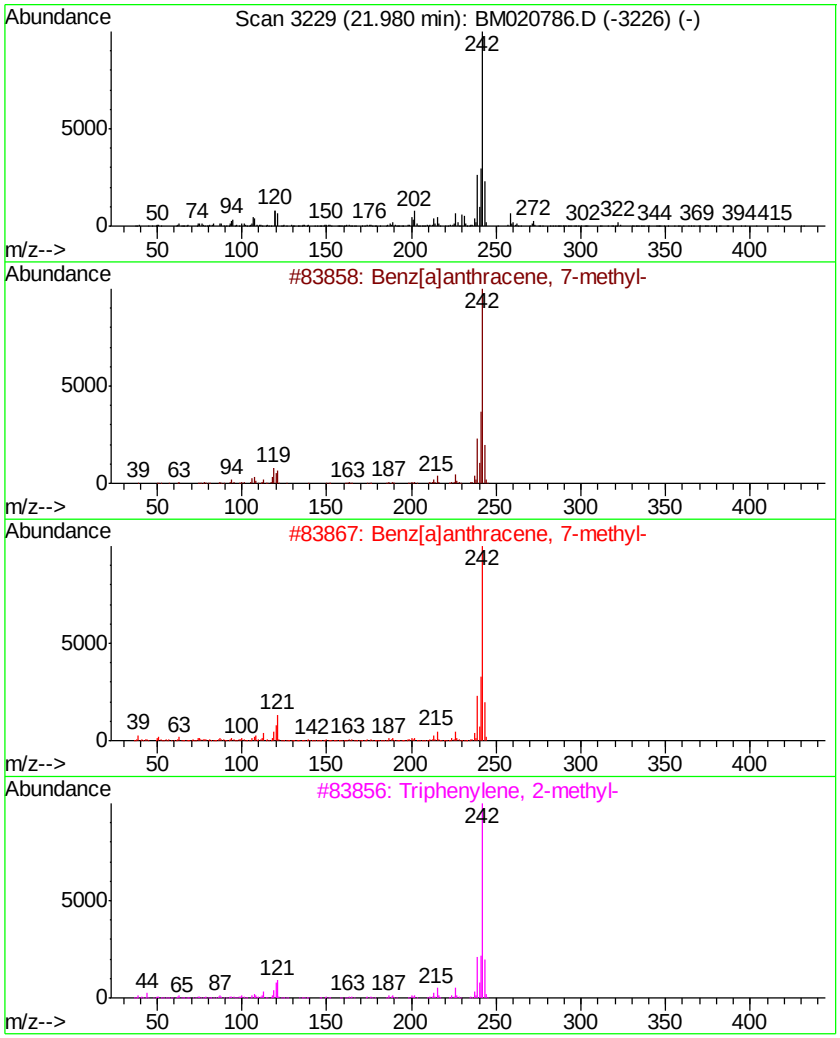
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

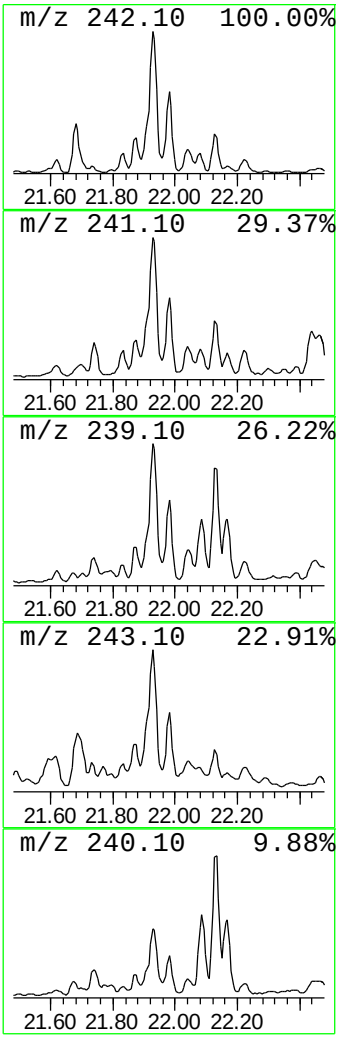
****

Peak Number 34 Benz[a]anthracene, 7-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	2.13 ng/ul	2455450	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
5	9H-Fluorene, 9-phenyl-	242	C19H14	000789-24-2	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

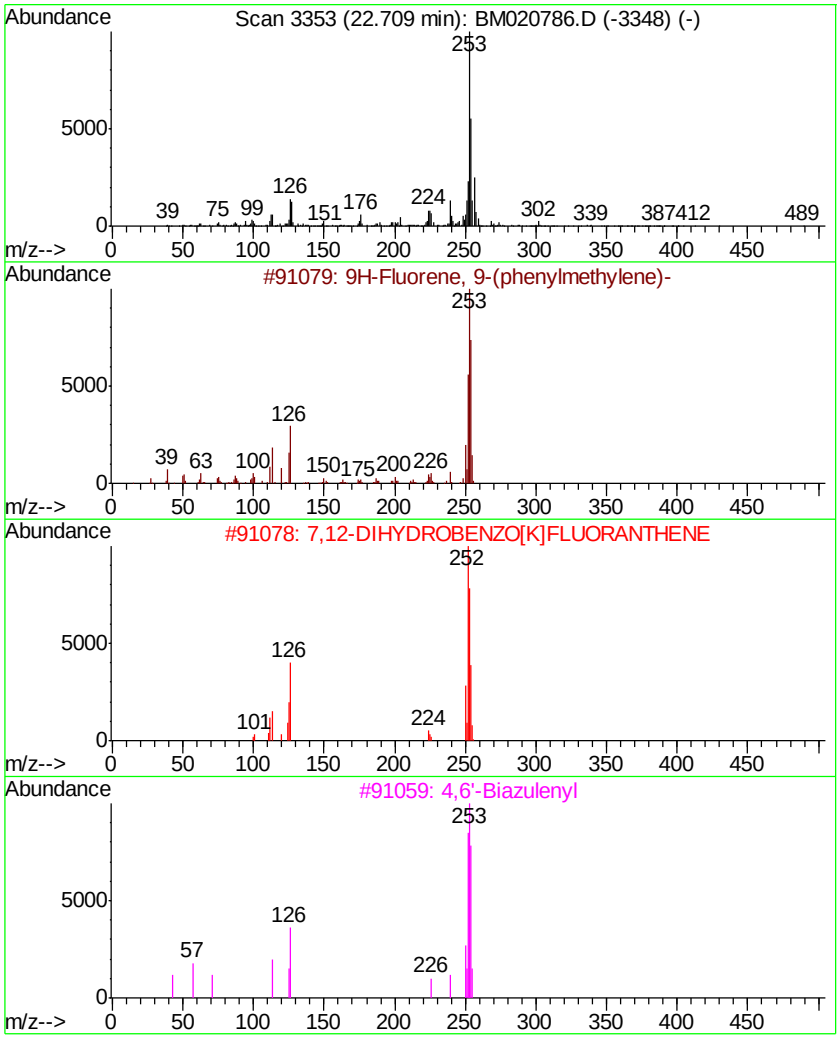
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

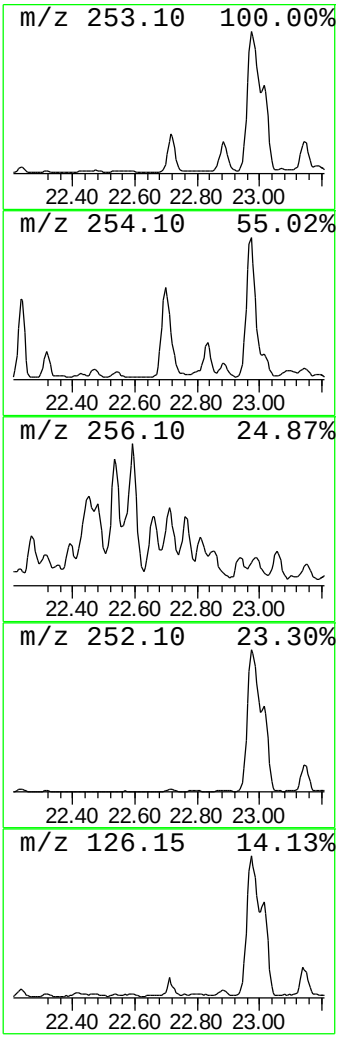
****

Peak Number 35 9H-Fluorene, 9-(phenylmethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.71	8.82 ng/ul	2199510	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	70
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	62
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	58
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

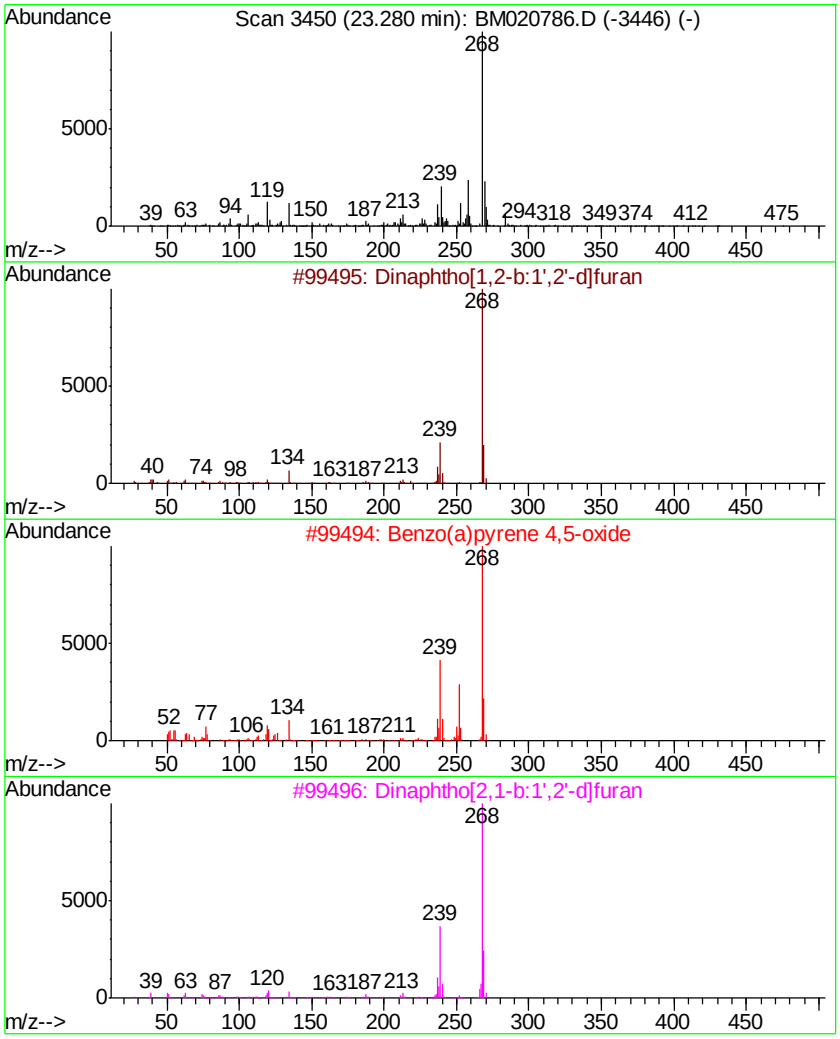
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

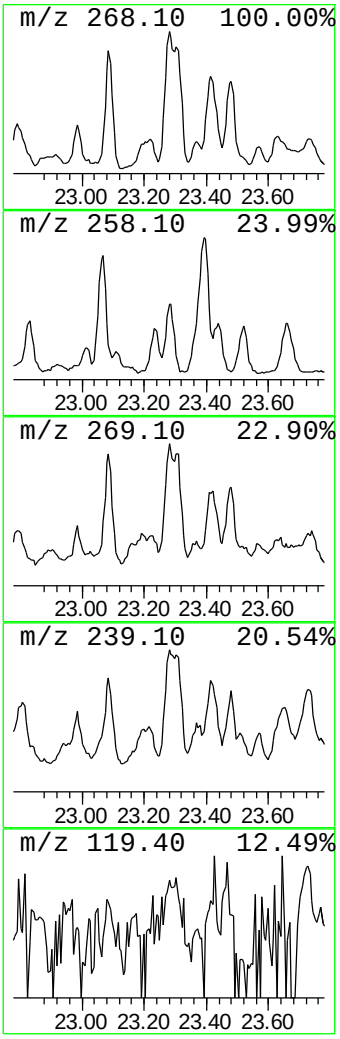
****

Peak Number 37 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	6.91 ng/ul	1724730	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	52
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060619\
Data File : BM020786.D
Acq On : 07 Jun 2019 04:50
Operator : HP/JU
Sample : K3201-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	75.5	ng/ul	8125950	1	7.81	2152580	20.0
unknown-01	15.24	2.9	ng/ul	569820	3	14.45	3878740	20.0
Dibenzofuran, 4-m...	15.79	2.8	ng/ul	547518	3	14.45	3878740	20.0
2,4,6-Cycloheptat...	15.94	2.6	ng/ul	582388	4	17.20	4414770	20.0
(DEL) Alkane: Str...	16.17	3.2	ng/ul	699365	4	17.20	4414770	20.0
9H-Fluorene, 2-me...	16.50	3.5	ng/ul	773201	4	17.20	4414770	20.0
Phenol, 4-(2-phen...	16.77	2.1	ng/ul	466846	4	17.20	4414770	20.0
9H-Fluoren-9-one	16.85	4.7	ng/ul	1034110	4	17.20	4414770	20.0
unknown-02	16.94	2.7	ng/ul	593891	4	17.20	4414770	20.0
Dibenzothiophene	17.02	3.4	ng/ul	759107	4	17.20	4414770	20.0
Anthrone	17.77	2.3	ng/ul	514081	4	17.20	4414770	20.0
Anthracene, 2-met...	18.07	18.5	ng/ul	4075420	4	17.20	4414770	20.0
4H-Cyclopenta[def...	18.26	18.0	ng/ul	3982470	4	17.20	4414770	20.0
Phenanthrene, 2-m...	18.30	7.0	ng/ul	1547960	4	17.20	4414770	20.0
(DEL) Alkane: Str...	18.38	2.6	ng/ul	573264	4	17.20	4414770	20.0
2-Phenylnaphthalene	18.57	8.5	ng/ul	1877000	4	17.20	4414770	20.0
9,10-Anthracenedione	18.61	9.5	ng/ul	2099520	4	17.20	4414770	20.0
Phenanthrene, 3,6...	18.86	3.1	ng/ul	677740	4	17.20	4414770	20.0
Phenanthrene, 2,5...	18.90	2.8	ng/ul	616727	4	17.20	4414770	20.0
Phenanthrene, 2,3...	18.99	12.3	ng/ul	2719680	4	17.20	4414770	20.0
9,10-Dimethylanth...	19.08	2.6	ng/ul	565116	4	17.20	4414770	20.0
Cyclopenta(def)ph...	19.13	9.9	ng/ul	2193620	4	17.20	4414770	20.0
Pyrene, 1-methyl-	19.93	3.3	ng/ul	3738110	5	21.37	23026400	20.0
11H-Benzo[a]fluorene	20.10	2.8	ng/ul	3184810	5	21.37	23026400	20.0
Benzo[b]naphtho[2...	21.02	3.2	ng/ul	3714900	5	21.37	23026400	20.0
Benz[a]anthracene...	21.93	2.9	ng/ul	3329960	5	21.37	23026400	20.0
Benz[a]anthracene...	21.98	2.1	ng/ul	2455450	5	21.37	23026400	20.0
9H-Fluorene, 9-(p...	22.71	8.8	ng/ul	2199510	6	23.66	4988870	20.0
Dinaphtho[1,2-b:1...	23.28	6.9	ng/ul	1724730	6	23.66	4988870	20.0