LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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-BM082219MA.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	3.040	7	9	11	rVB	718	538	0.11%	0.010%
2	3.281	47	50	53	rBV	5299	5299	1.06%	0.094%
3	3.310	53	55	58	rVB	2109	1837	0.37%	0.033%
4	3.852	144	147	150	rBB	2352	2201	0.44%	0.039%
5	7.510	763	769	786	rBB	59207	124233	24.82%	2.202%
6	10.281	1233	1240	1255	rBV	66435	155942	31.16%	2.764%
7	10.375	1255	1256	1262	rVB	1596	1549	0.31%	0.027%
8	14.169	1895	1901	1915	rBB2	123062	214628	42.89%	3.804%
9	14.610	1973	1976	1980	rBB	1309	1780	0.36%	0.032%
10	15.257	2082	2086	2090	rBB	3012	4147	0.83%	0.074%
11	15.698	2159	2161	2163	rBB	808	626	0.13%	0.011%
12	16.757	2339	2341	2344	rBB	671	717	0.14%	0.013%
13	16.939	2366	2372	2376	rBV2	142580	223728	44.71%	3.965%
14	16.980	2376	2379	2387	rVB	42241	67740	13.54%	1.201%
15	17.110	2398	2401	2403	rBV	1204	1358	0.27%	0.024%
16	17.539	2468	2474	2480	rVB2	6138	12403	2.48%	0.220%
17	17.639	2487	2491	2493	rBB	1237	1340	0.27%	0.024%
18	17.662	2493	2495	2498	rBV	406	624	0.12%	0.011%
19	17.692	2498	2500	2502	rVB	779	505	0.10%	0.009%
20	17.727	2505	2506	2509	rVB	773	630	0.13%	0.011%
21	17.751	2509	2510	2513	rBV	462	582	0.12%	0.010%
22	17.786	2513	2516	2519	rVB	2372	2610	0.52%	0.046%
23	17.827	2519	2523	2526	rBV4	5354	8452	1.69%	0.150%
24	17.874	2528	2531	2535	rVB	4762	6244	1.25%	0.111%
25	17.915	2535	2538	2540	rBV	930	882	0.18%	0.016%
26	17.951	2542	2544	2547	rVV	983	821	0.16%	0.015%
27	17.992	2547	2551	2558	rVV	138625	176062	35.18%	3.121%
28	18.057	2558	2562	2566	rVV	29300	33697	6.73%	0.597%
29	18.098	2566	2569	2572	rVB2	5605	5709	1.14%	0.101%
30	18.162	2578	2580	2586	rBV2	864	1663	0.33%	0.029%
31	18.215	2586	2589	2591	rVB2	756	724	0.14%	0.013%
32	18.233	2591	2592	2595	rBV2	884	741	0.15%	0.013%
33	18.280	2596	2600	2605	rBV	55427	67513	13.49%	1.197%
34	18.327	2605	2608	2613	rVB3	5915	7146	1.43%	0.127%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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-BM082219MA.M
Title : SVOA CALIBRATION

35	18.415	2621	2623	2627	rBV2	3226	3464	0.69%	0.061%
36	18.468	2627	2632	2635	rVB	16508	19997	4.00%	0.354%
37	18.498	2635	2637	2640	rBV	848	821	0.16%	0.015%
38	18.527	2640	2642	2645	rBV2	862	1293	0.26%	0.023%
39	18.568	2645	2649	2650	rVB	1808	1423	0.28%	0.025%
40	18.580	2650	2651	2654	rVB2	694	509	0.10%	0.009%
41	18.627	2654	2659	2662	rVB4	1480	2258	0.45%	0.040%
42	18.651	2662	2663	2665	rBV4	1437	1052	0.21%	0.019%
43	18.686	2668	2669	2671	rVB2	832	581	0.12%	0.010%
44	18.709	2671	2673	2674	rBV	1315	877	0.18%	0.016%
45	18.745	2676	2679	2681	rBV	2328	2766	0.55%	0.049%
46	18.780	2681	2685	2688	rBV	19238	22272	4.45%	0.395%
47	18.845	2689	2696	2706	rVB2	239019	435744	87.07%	7.723%
48	18.933	2706	2711	2716	rBV	28640	32171	6.43%	0.570%
49	19.009	2719	2724	2729	rBV	45799	65216	13.03%	1.156%
50	19.056	2729	2732	2735	rBV2	41303	45744	9.14%	0.811%
51	19.133	2740	2745	2752	rVB	410003	500444	100.00%	8.870%
52	19.198	2752	2756	2762	rVB	132608	146468	29.27%	2.596%
53	19.262	2762	2767	2768	rBV4	2905	3334	0.67%	0.059%
54	19.280	2768	2770	2772	rVB2	2751	1943	0.39%	0.034%
55	19.303	2772	2774	2775	rBV	1538	1486	0.30%	0.026%
56	19.327	2775	2778	2781	rBV3	11620	12435	2.48%	0.220%
57	19.351	2781	2782	2786	rVB2	5152	4005	0.80%	0.071%
58	19.398	2786	2790	2795	rVB	99821	111924	22.36%	1.984%
59	19.480	2797	2804	2809	rVB	164639	194800	38.93%	3.453%
60	19.527	2809	2812	2815	rBV2	48676	56714	11.33%	1.005%
61	19.586	2815	2822	2827	rVB	394449	469211	93.76%	8.316%
62	19.656	2831	2834	2836	rVB4	2379	2435	0.49%	0.043%
63	19.703	2838	2842	2844	rBV3	20521	21218	4.24%	0.376%
64	19.733	2844	2847	2855	rVB5	32896	56942	11.38%	1.009%
65	19.803	2856	2859	2862	rVB4	8001	7905	1.58%	0.140%
66	19.845	2862	2866	2871	rBV2	159969	196378	39.24%	3.481%
67	19.903	2871	2876	2882	rVB	308888	376258	75.18%	6.669%
68	19.974	2885	2888	2895	rVB5	11955	16420	3.28%	0.291%
69	20.045	2895	2900	2908	rBV7	30898	46352	9.26%	0.822%
70	20.127	2909	2914	2919	rBV	187570	206540	41.27%	3.661%
71	20.186	2919	2924	2926	rBV	89503	100631	20.11%	1.784%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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-BM082219MA.M
Title : SVOA CALIBRATION

72	20.221	2926	2930	2936	rVB	118763	147012	29.38%	2.606%
73	20.280	2938	2940	2944	rBV2	35765	37184	7.43%	0.659%
74	20.350	2950	2952	2954	rBV3	13102	15040	3.01%	0.267%
75	20.380	2955	2957	2961	rVV4	13226	12766	2.55%	0.226%
76	20.450	2961	2969	2976	rVV2	230702	384399	76.81%	6.813%
77	20.533	2980	2983	2987	rVB5	12803	10321	2.06%	0.183%
78	20.586	2990	2992	2995	rBV4	6770	7508	1.50%	0.133%
79	20.756	3017	3021	3025	rBV	68023	78403	15.67%	1.390%
80	20.833	3032	3034	3037	rVB4	5298	5063	1.01%	0.090%
81	20.862	3037	3039	3043	rVV4	9115	8140	1.63%	0.144%
82	20.921	3045	3049	3051	rBV5	7313	9207	1.84%	0.163%
83	21.009	3061	3064	3068	rBV4	29992	29519	5.90%	0.523%
84	21.150	3084	3088	3102	rBV	198761	324758	64.89%	5.756%
85	21.268	3105	3108	3114	rBV7	10056	17384	3.47%	0.308%
86	21.345	3119	3121	3124	rBV3	10233	10002	2.00%	0.177%
87	21.380	3124	3127	3131	rVV4	12391	16931	3.38%	0.300%
88	21.462	3138	3141	3146	rBV7	13458	16156	3.23%	0.286%
89	23.339	3455	3460	3470	rVB2	104464	207498	41.46%	3.678%

Sum of corrected areas: 5641993

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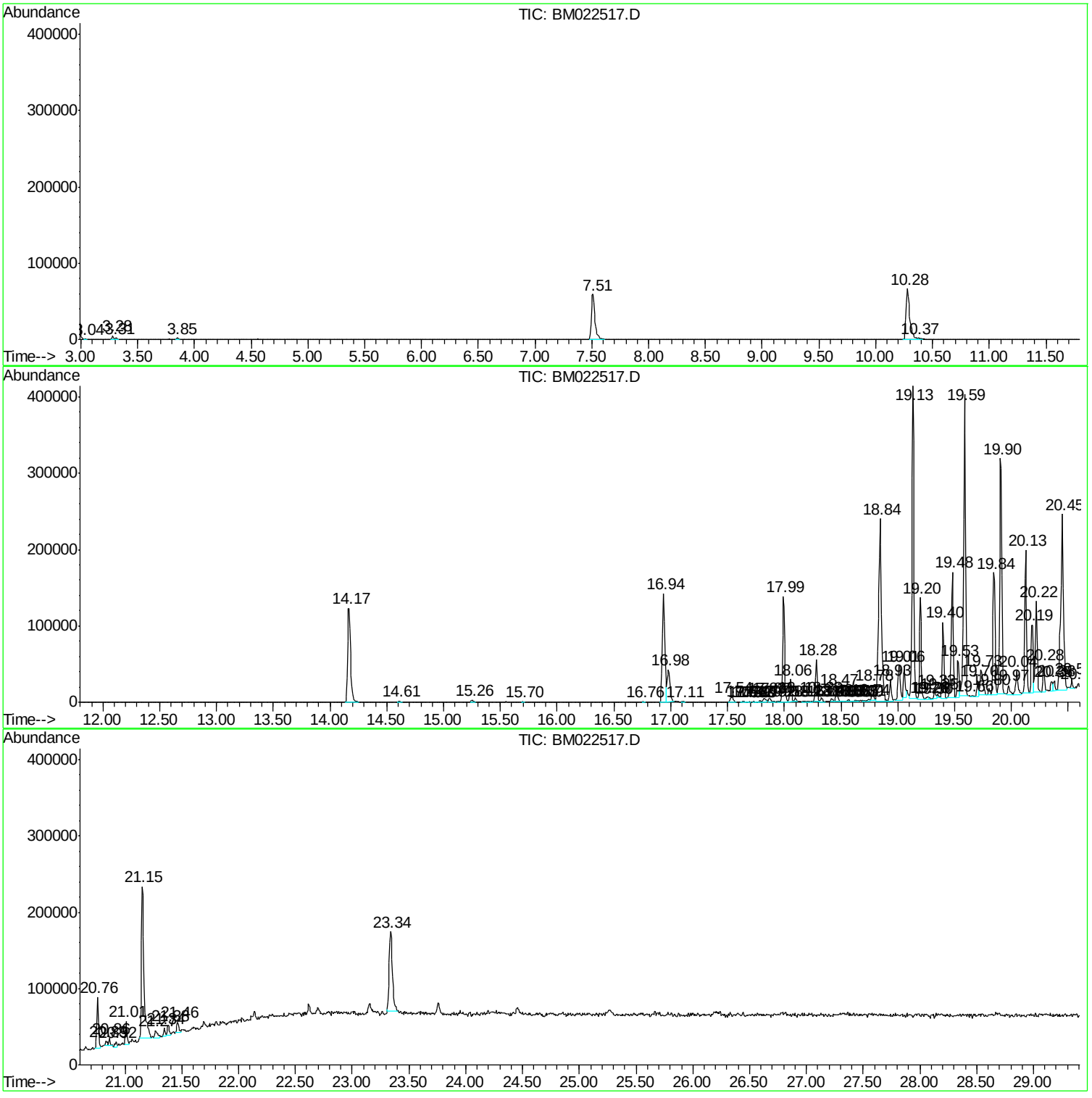
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AR4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

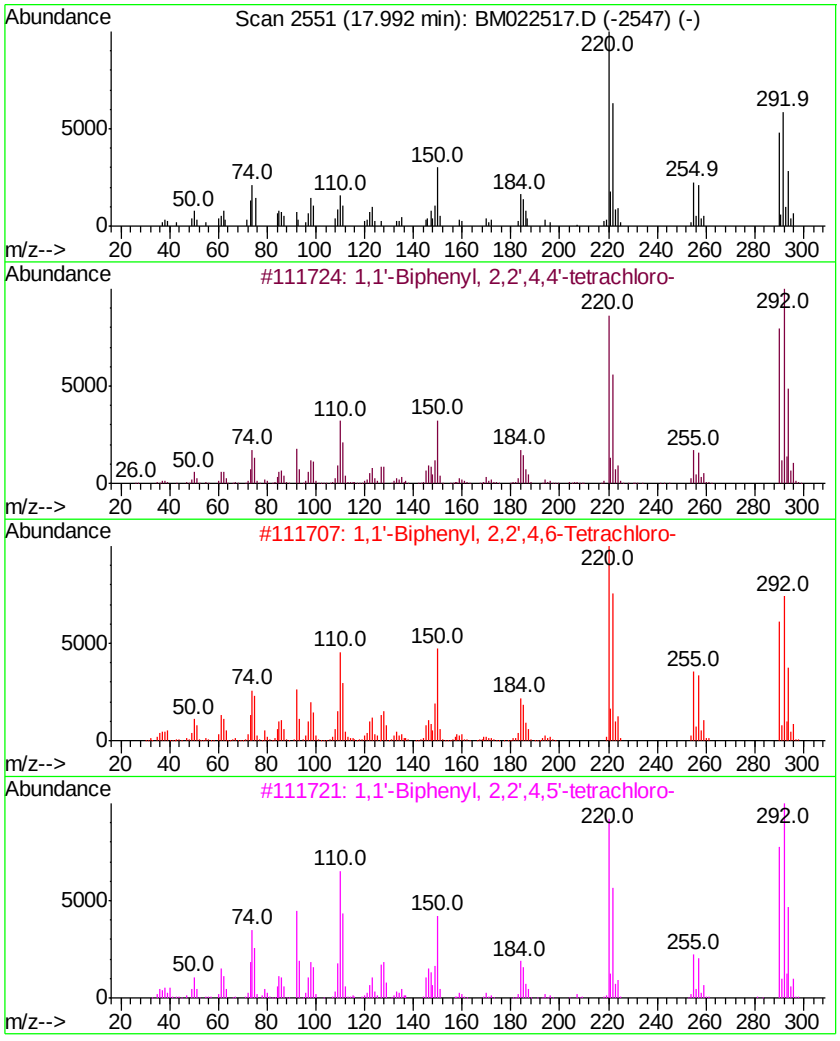
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

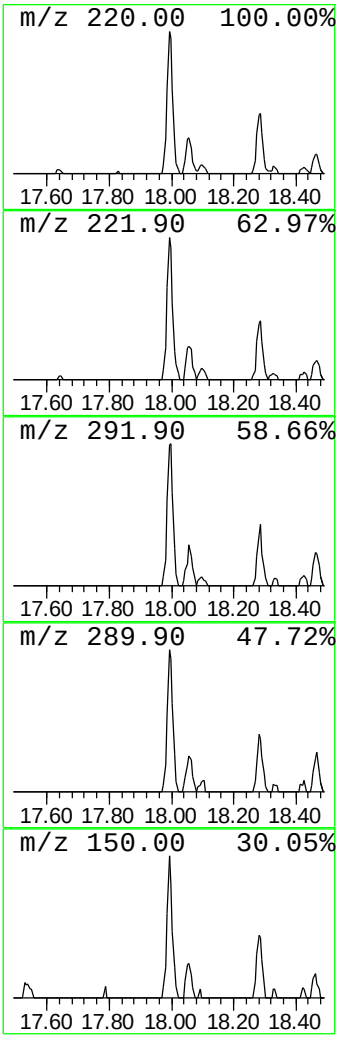
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	15.74 ng/ul	176062	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

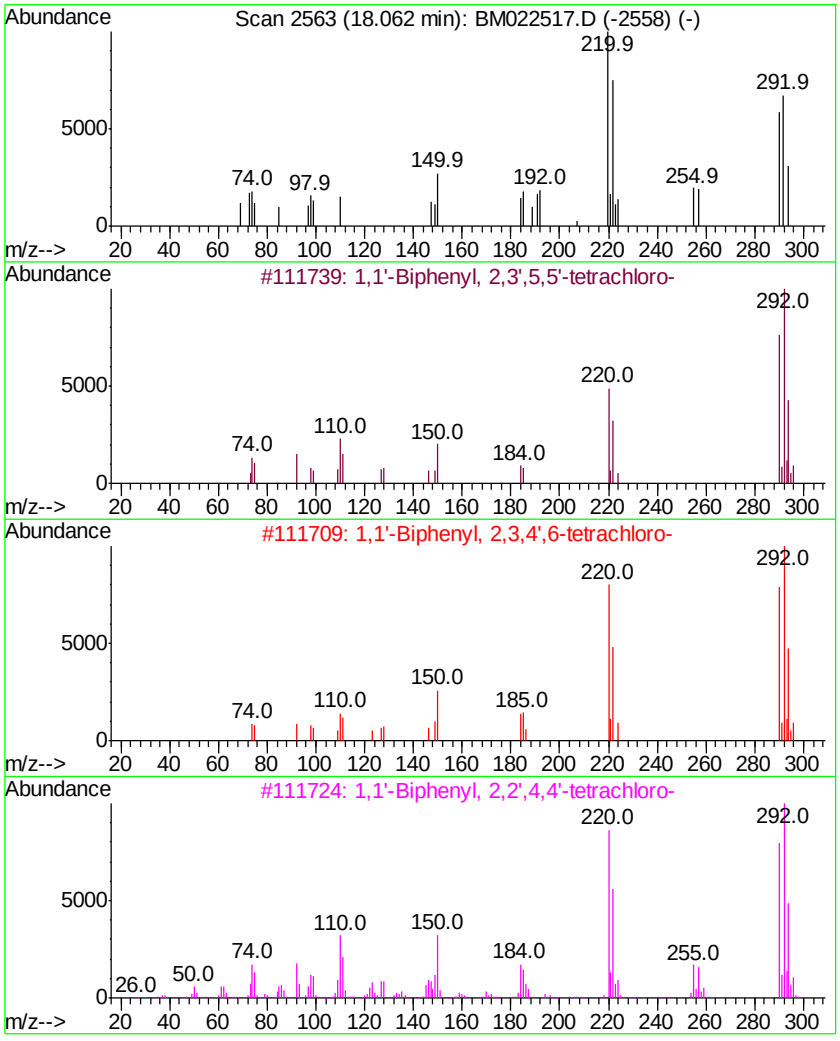
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

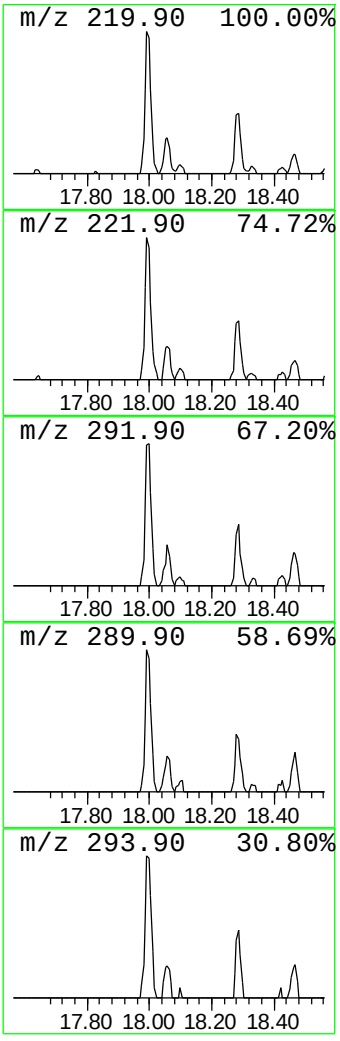
****

Peak Number 2 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.01 ng/ul	33697	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	98
4	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	98
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





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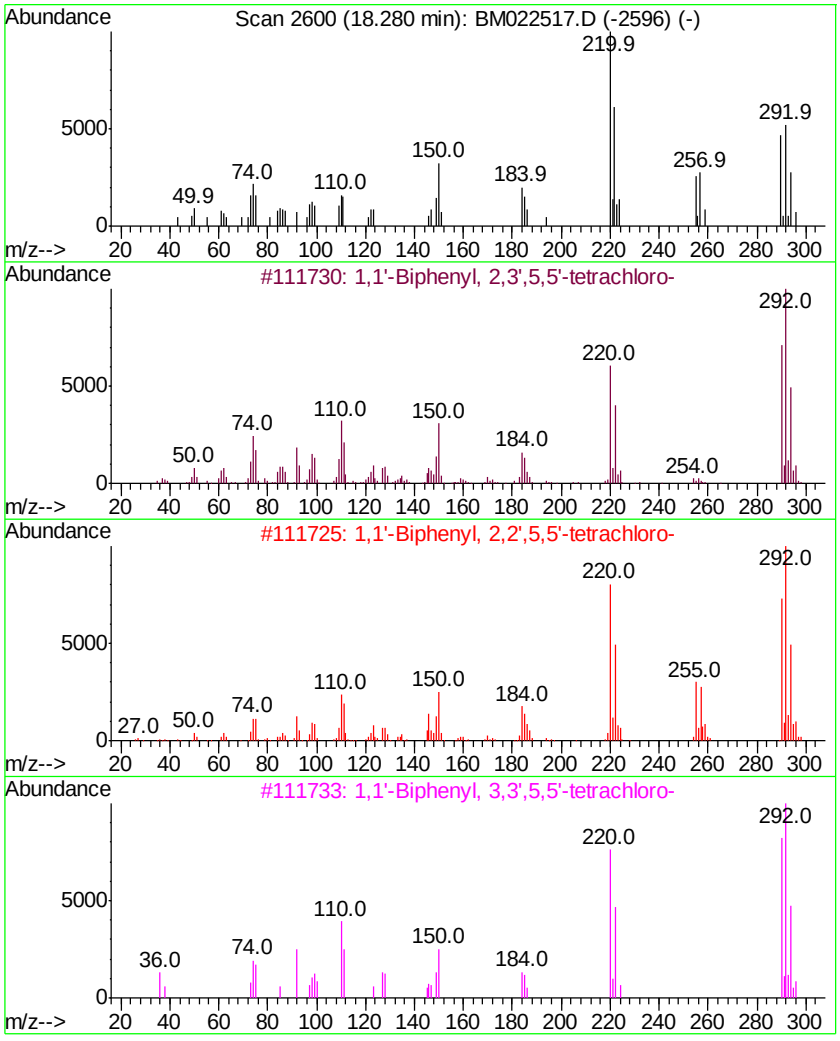
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

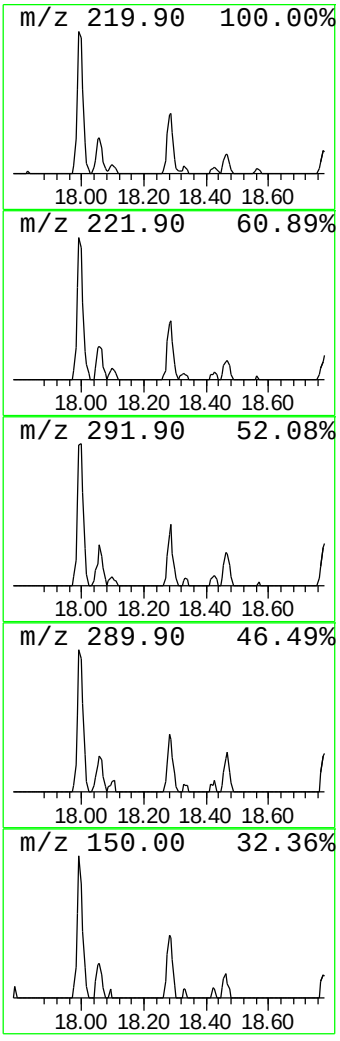
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	6.04 ng/ul	67513	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

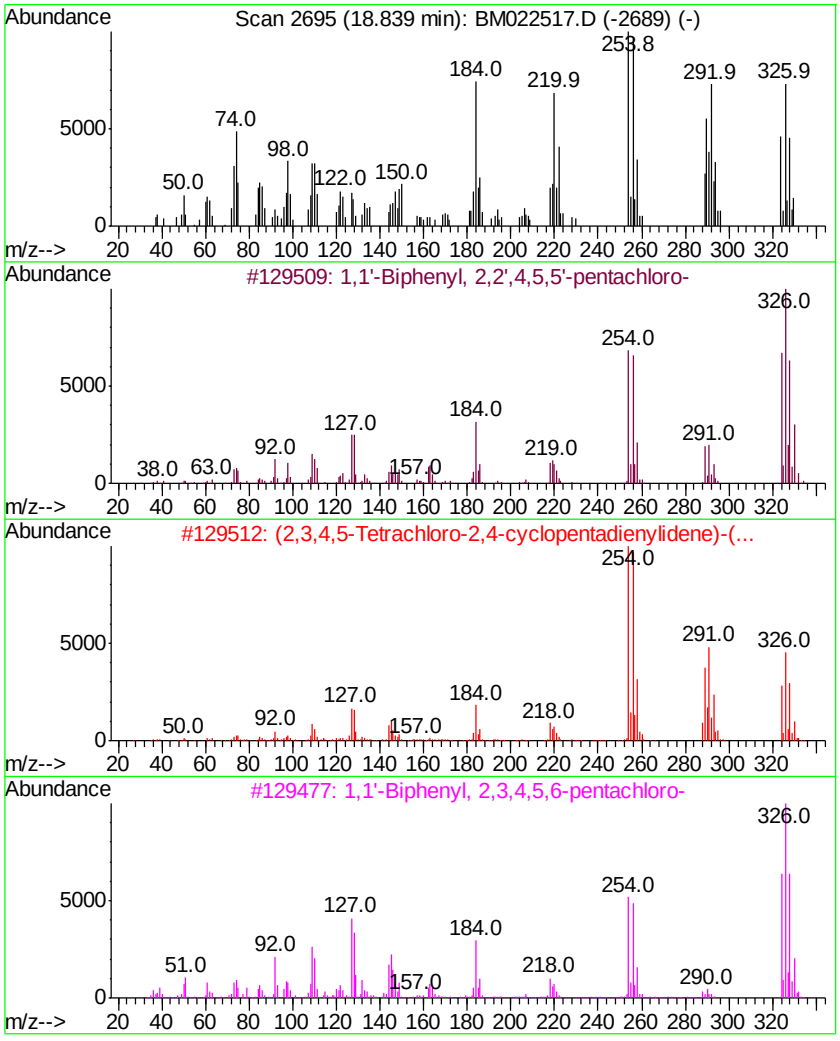
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

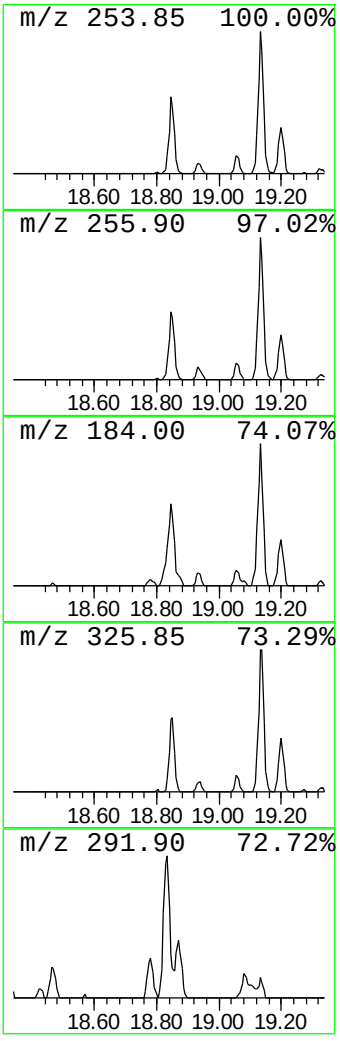
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	38.95 ng/ul	435744	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
2	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	96
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95
4	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95





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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

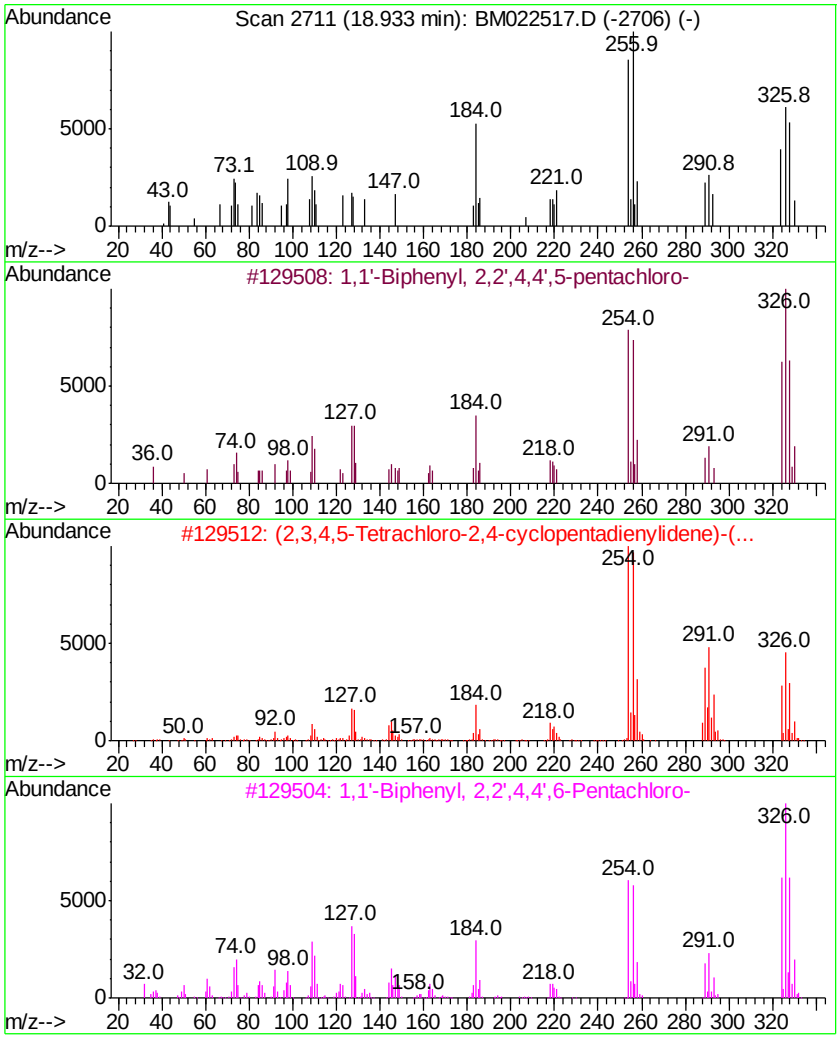
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

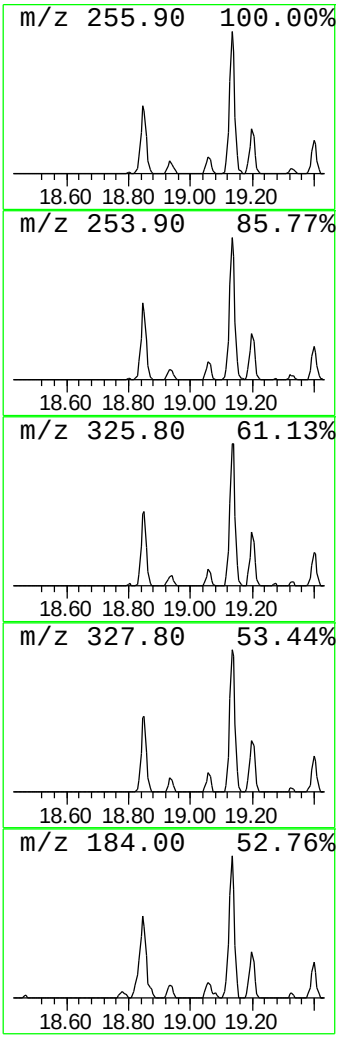
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.88 ng/ul	32171	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
2	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	94





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Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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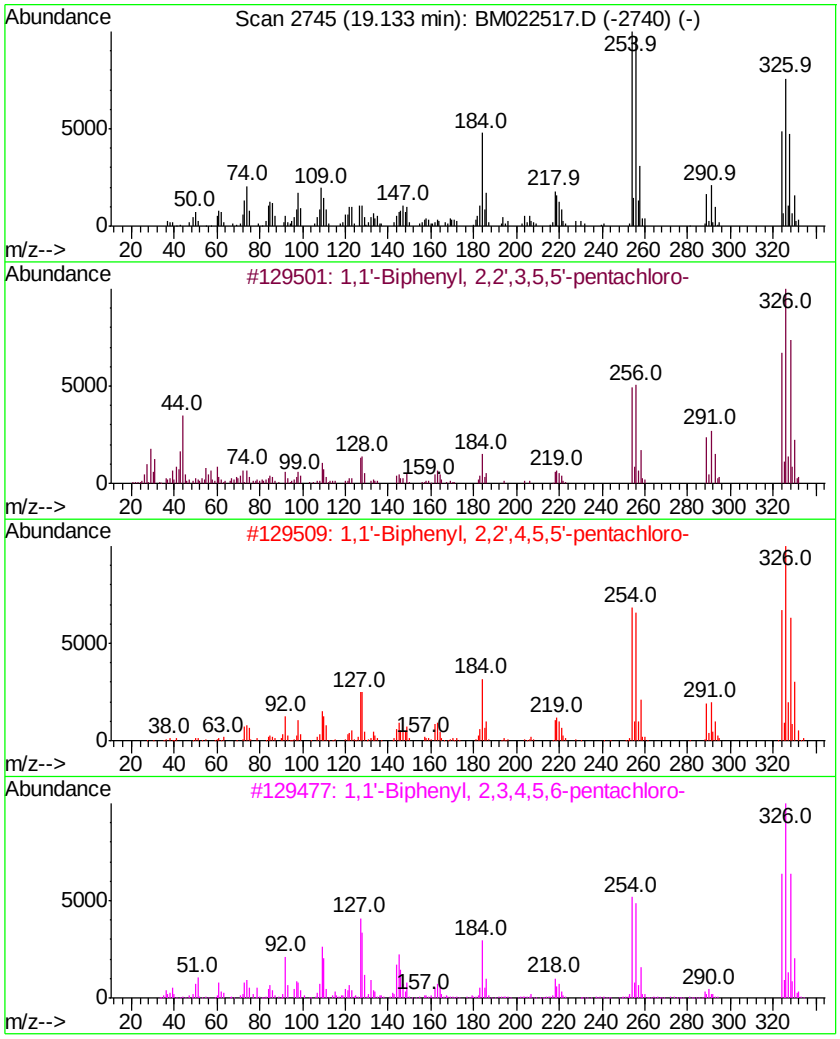
Quant Title : SVOA CALIBRATION

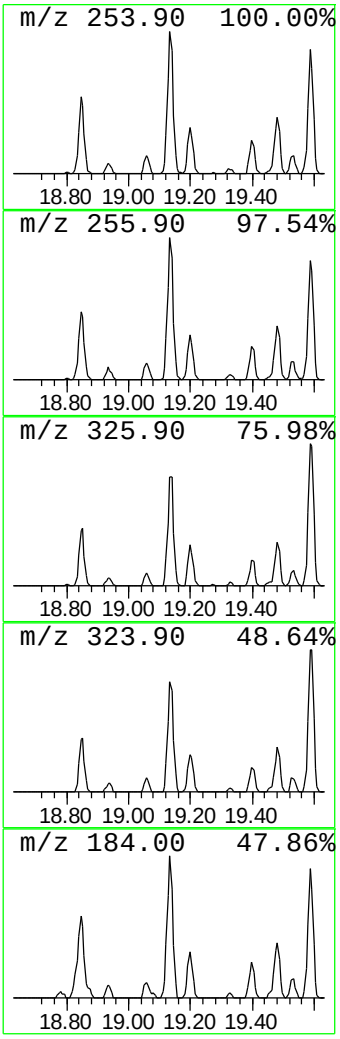
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	30.82 ng/ul	500444	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	96
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96





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Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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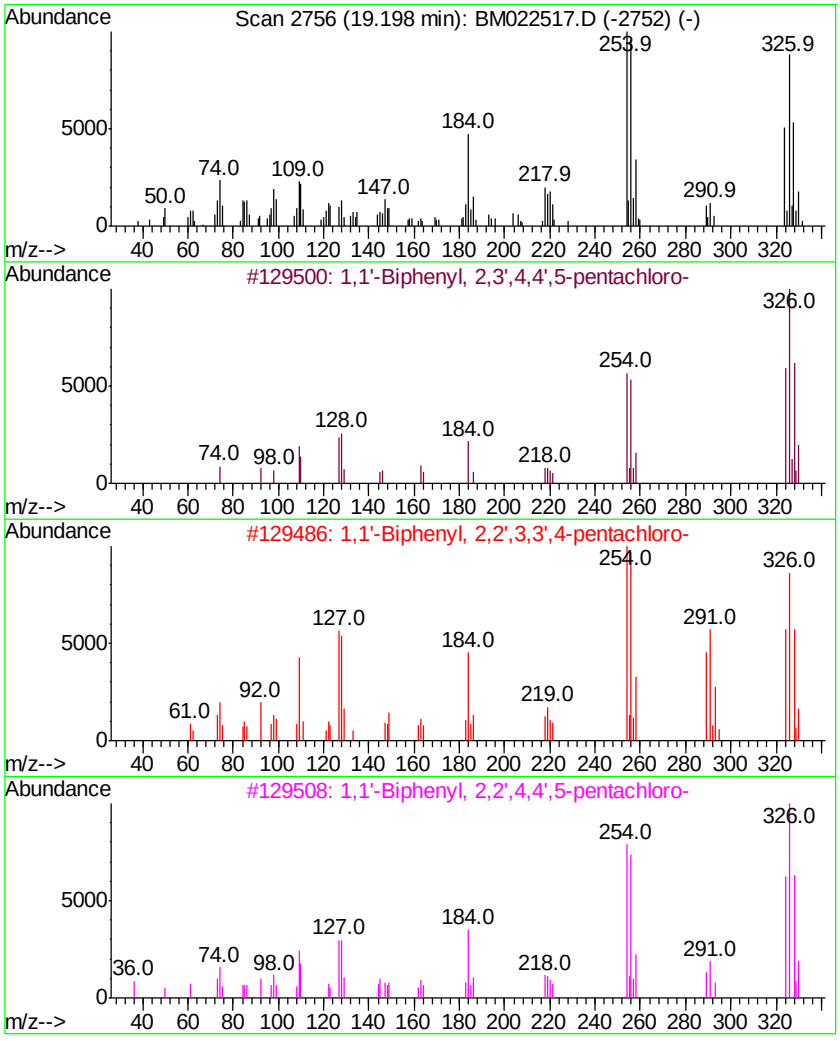
Quant Title : SVOA CALIBRATION

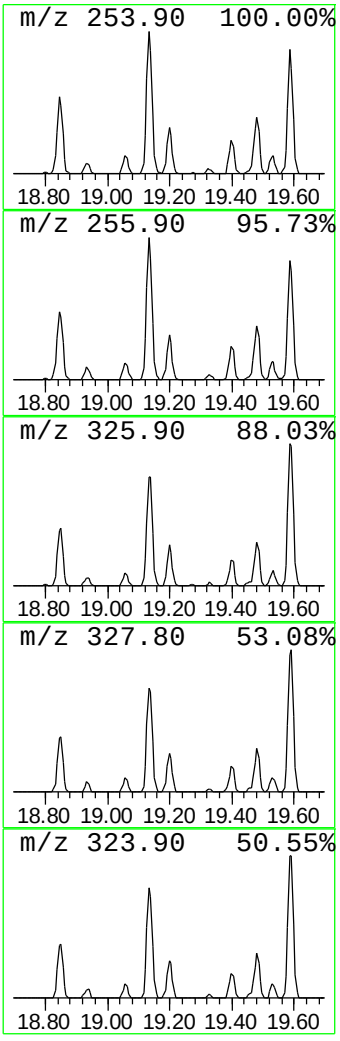
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	9.02 ng/ul	146468	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
2	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	95
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
5	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95





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Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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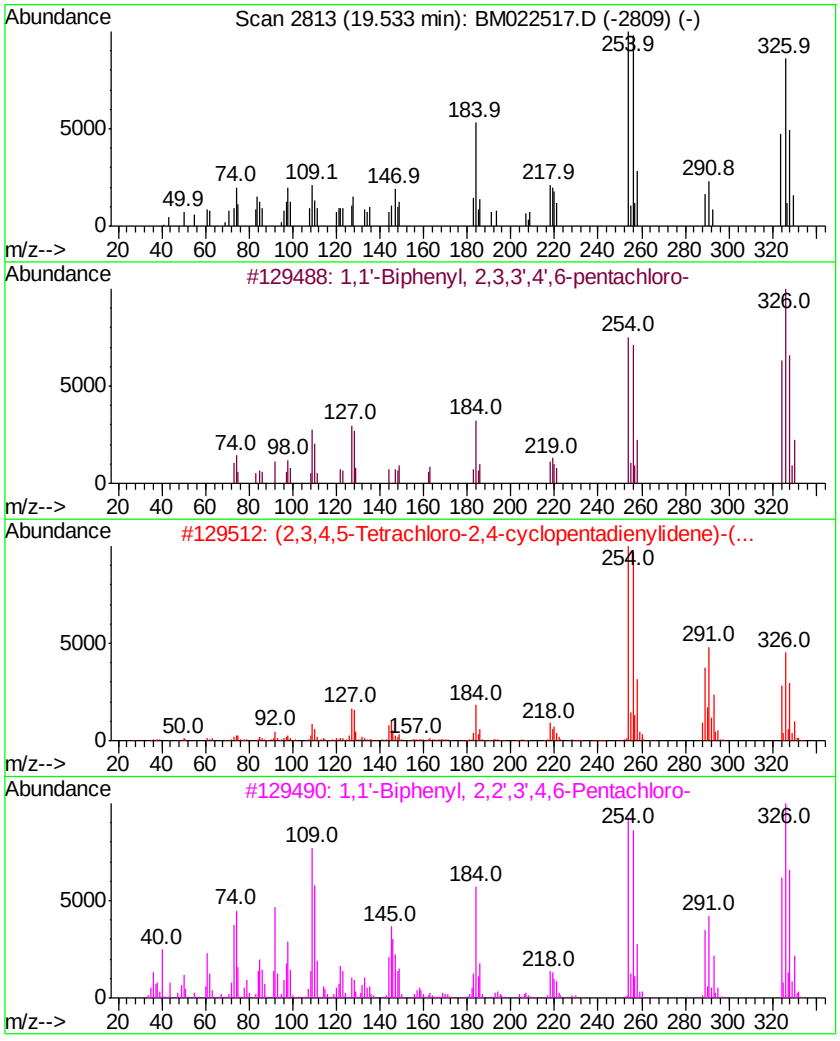
Quant Title : SVOA CALIBRATION

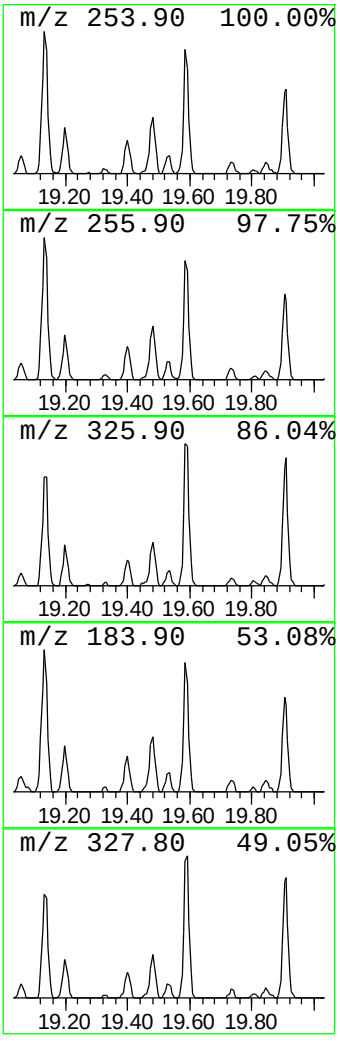
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	3.49 ng/ul	56714	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
2	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	93
3	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	93
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	93





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Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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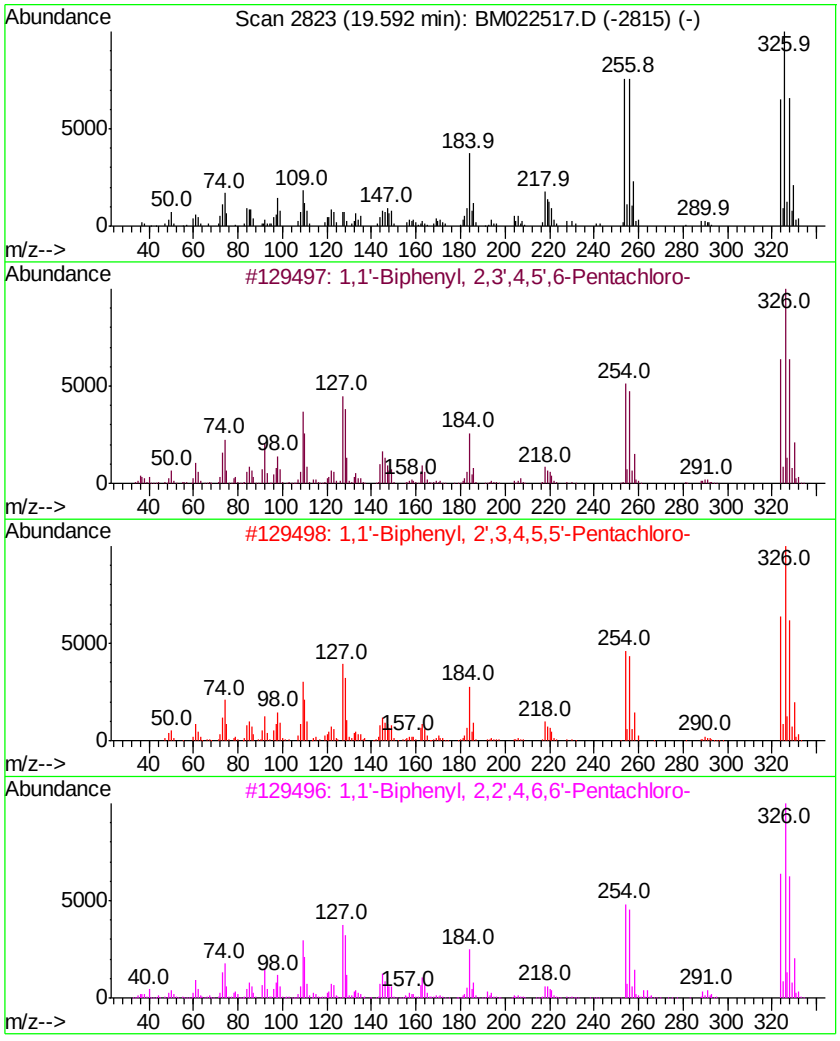
Quant Title : SVOA CALIBRATION

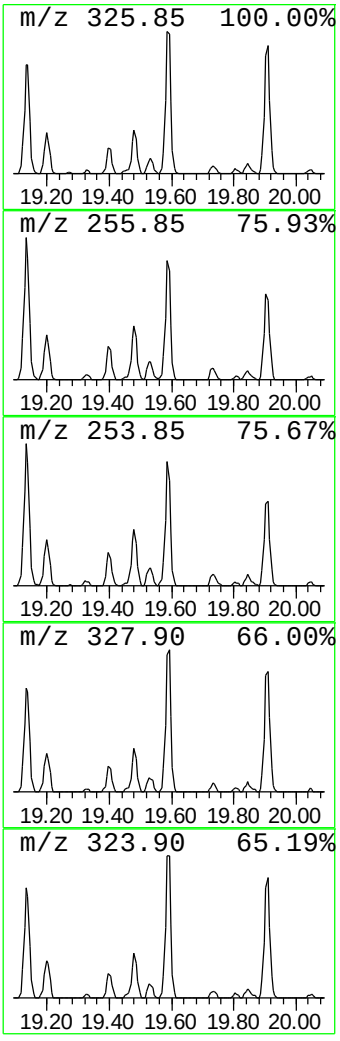
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1'-Biphenyl, 2,3',4,5',6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	28.90 ng/ul	469211	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	96
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
5	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95





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Operator : HP/JU
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Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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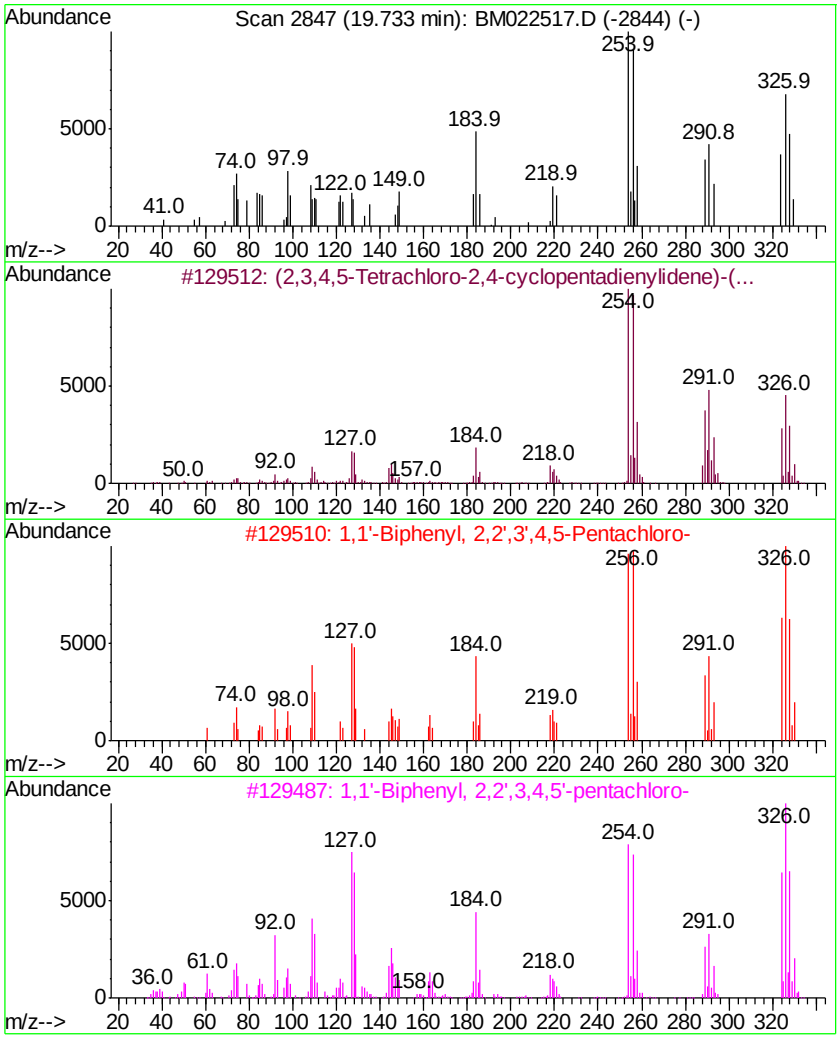
Quant Title : SVOA CALIBRATION

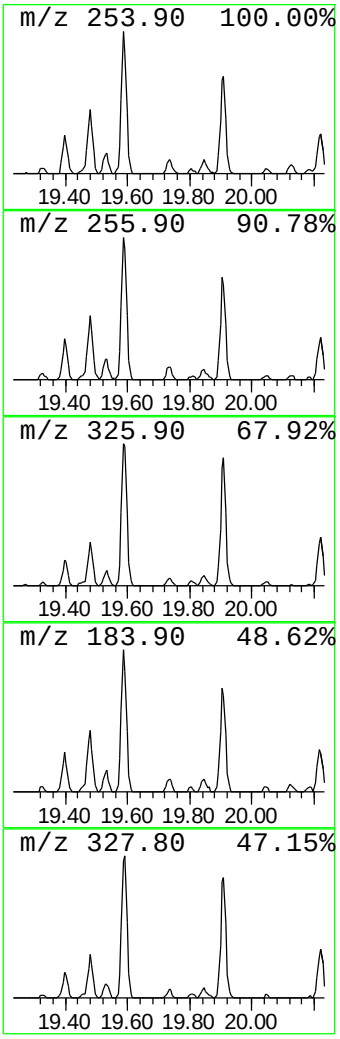
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.51 ng/ul	56942	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	98
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94
4	1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	94
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94





Library Search Compound Report

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Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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Quant Title : SVOA CALIBRATION

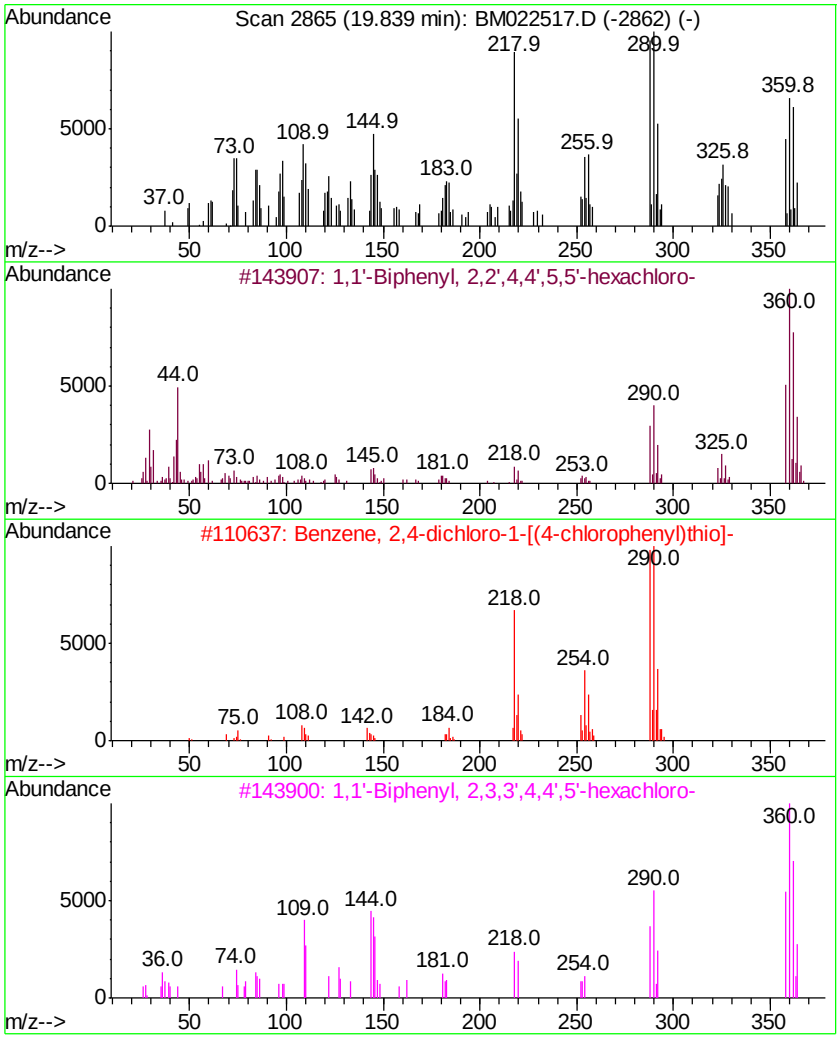
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

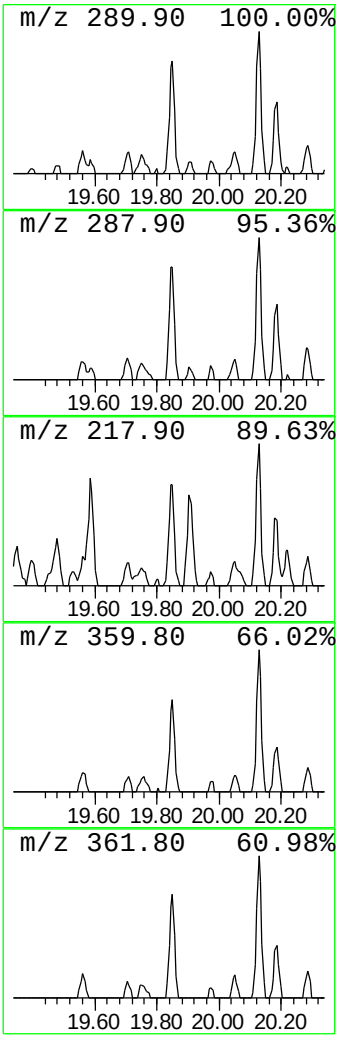
****

Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	12.09 ng/ul	196378	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
2	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	95
3	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	94
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	91
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	90





Library Search Compound Report

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Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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Quant Title : SVOA CALIBRATION

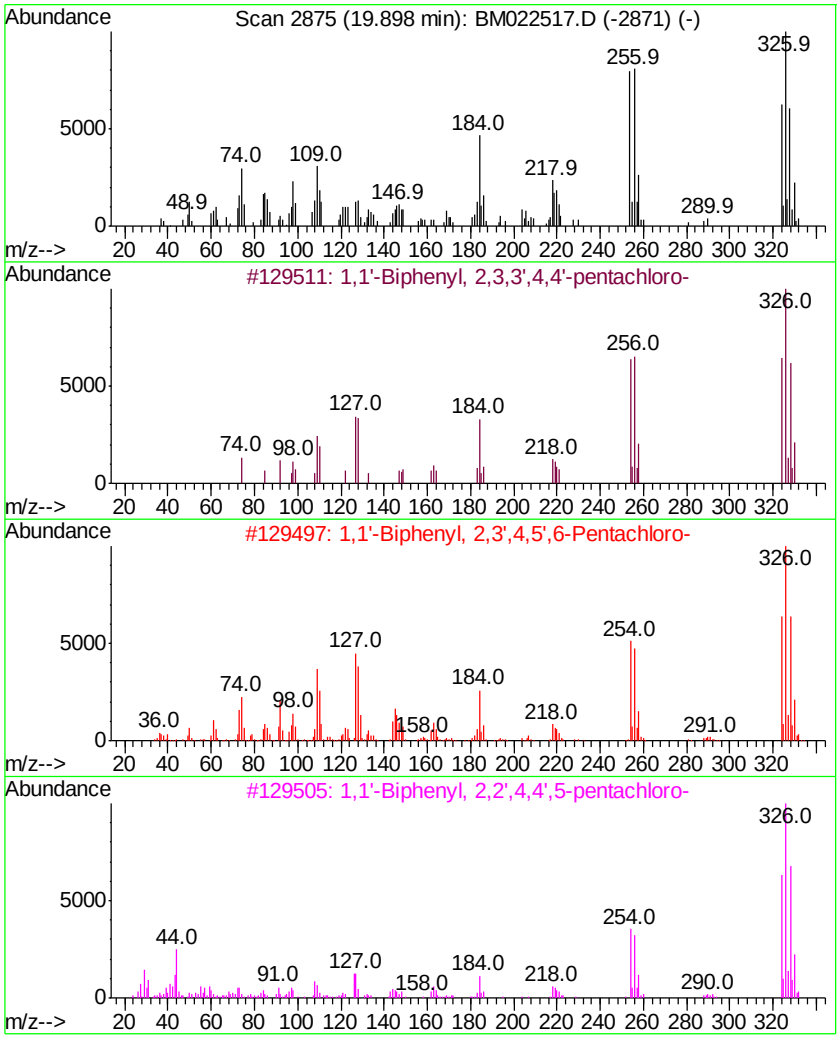
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

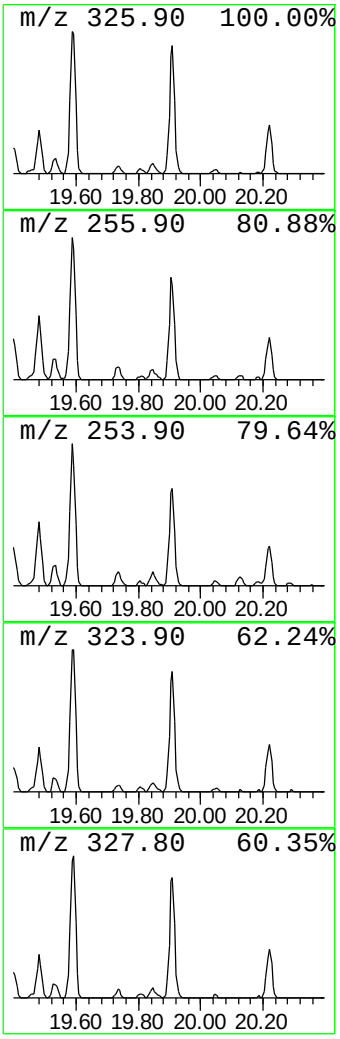
****

Peak Number 14 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	23.17 ng/ul	376258	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96
2	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
4	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95





Library Search Compound Report

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Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

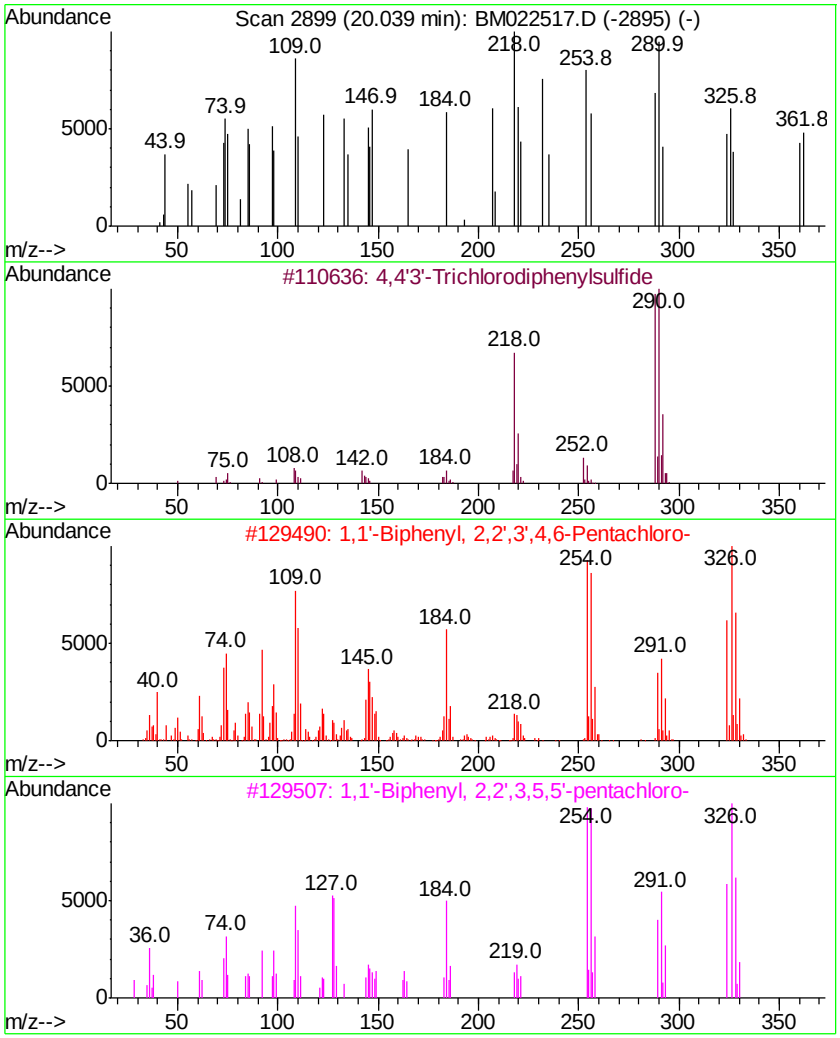
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

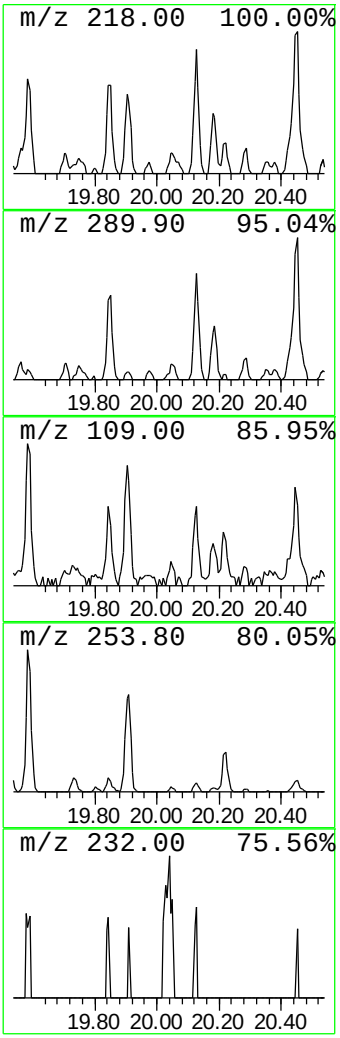
****

Peak Number 15 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.85 ng/ul	46352	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	38
2	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	25
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	25
4	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	22
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	15





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Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

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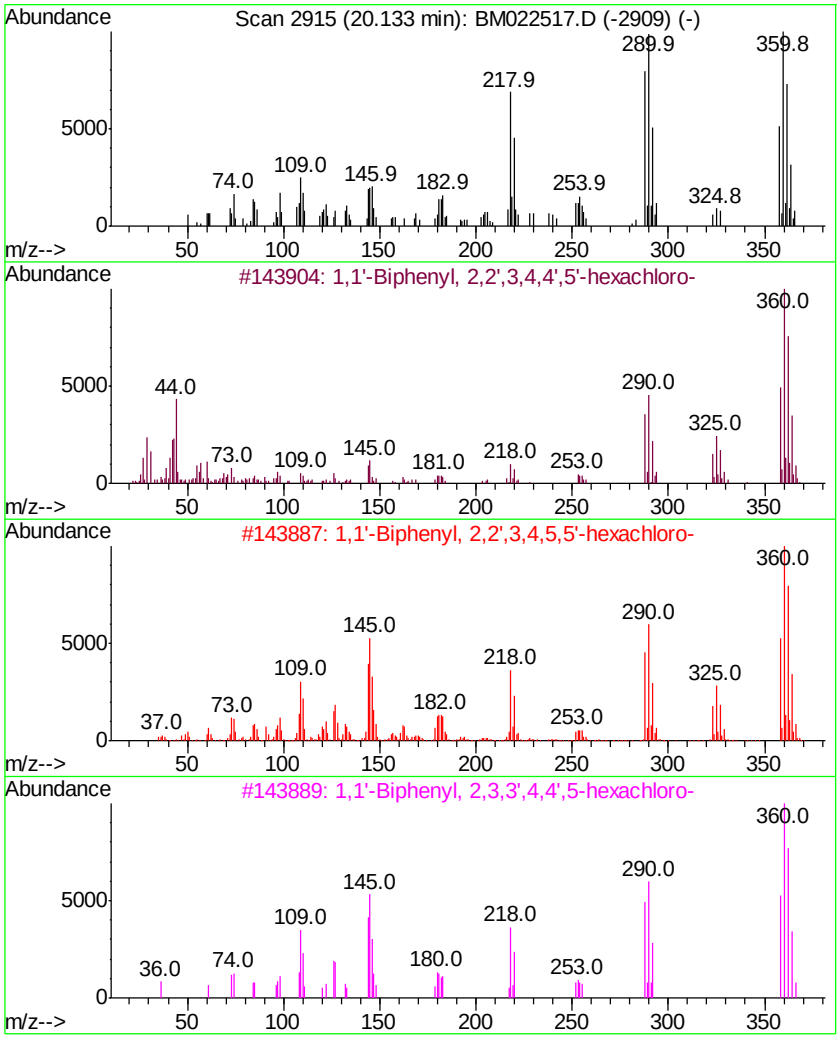
Quant Title : SVOA CALIBRATION

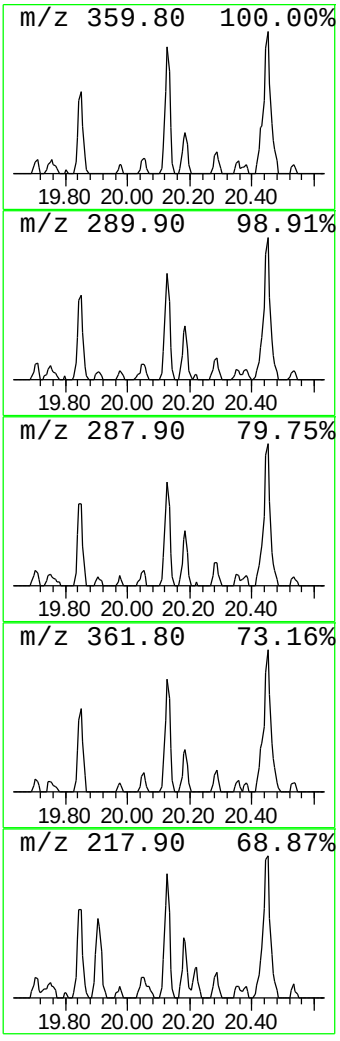
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	12.72 ng/ul	206540	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	94
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	93
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	93
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	91





Library Search Compound Report

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Acq On : 04 Sep 2019 00:27
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Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

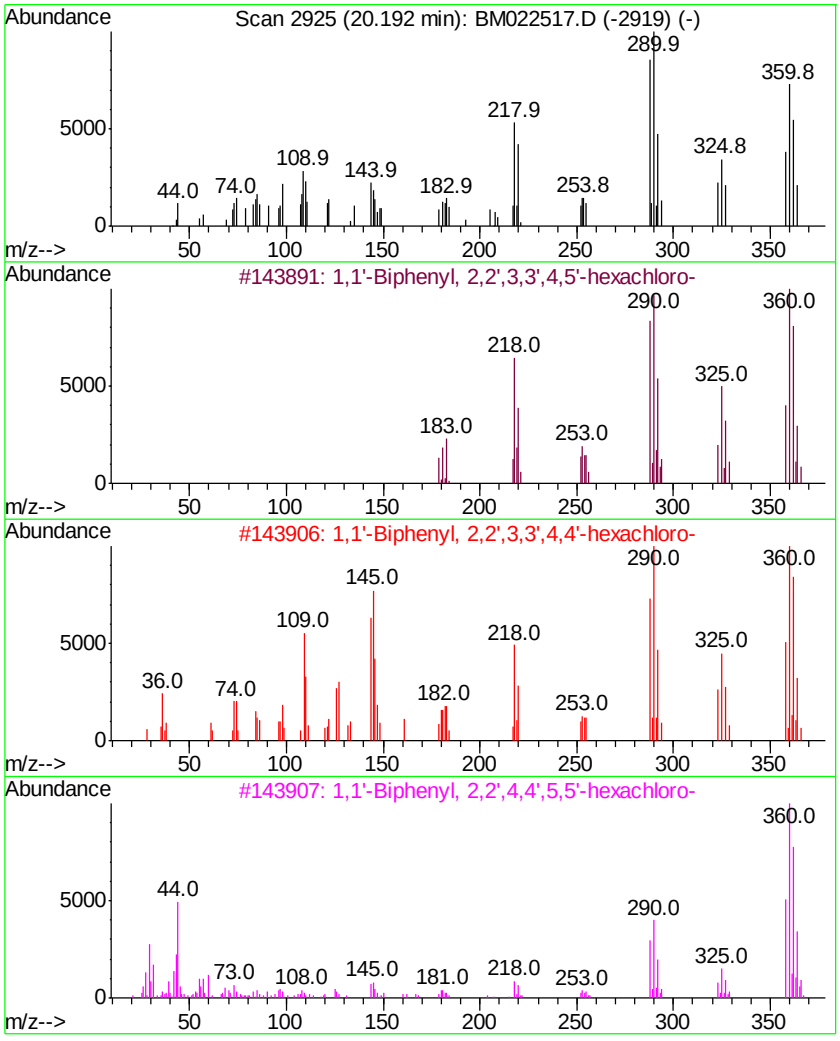
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

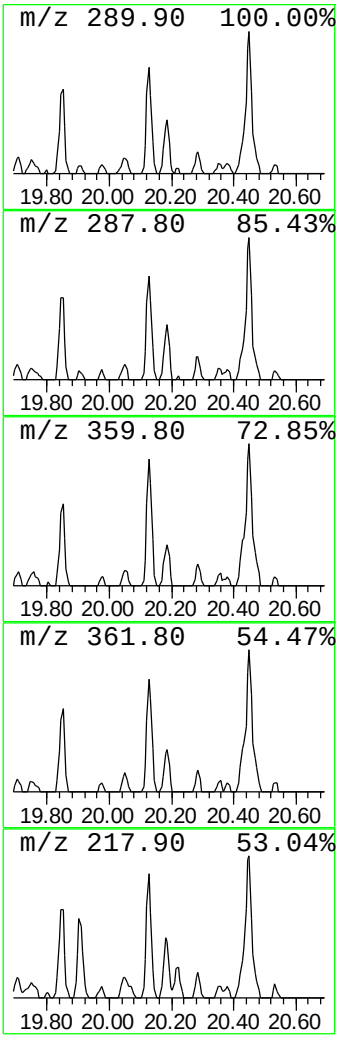
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	6.20 ng/ul	100631	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	98
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	97
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
5	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	95





Library Search Compound Report

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Data File : BM022517.D
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Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

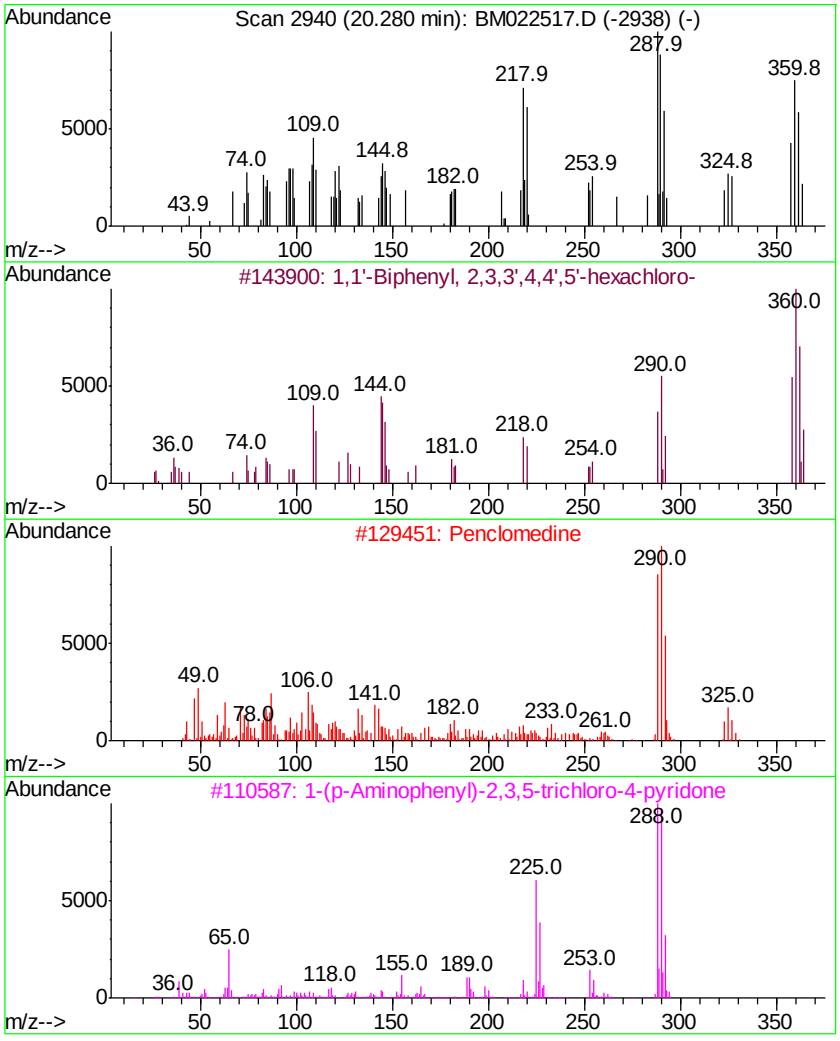
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

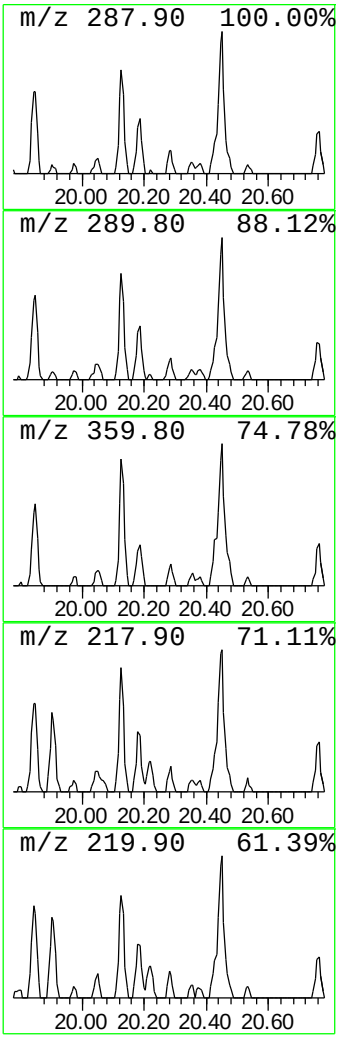
****

Peak Number 19 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.29 ng/ul	37184	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	45
2	Penclomedine	323	C8H6Cl5NO2	108030-77-9	38
3	1-(p-Aminophenyl)-2,3,5-trichlor...	288	C11H7Cl3N2O	1000244-68-6	30
4	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	30
5	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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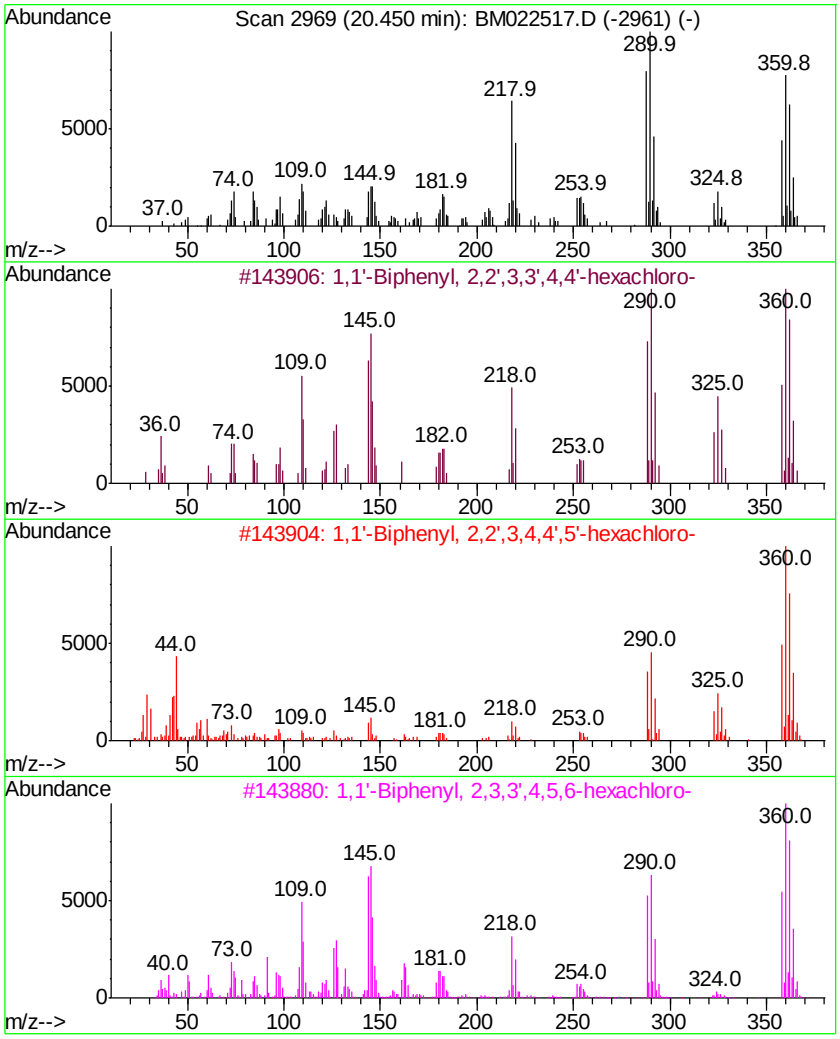
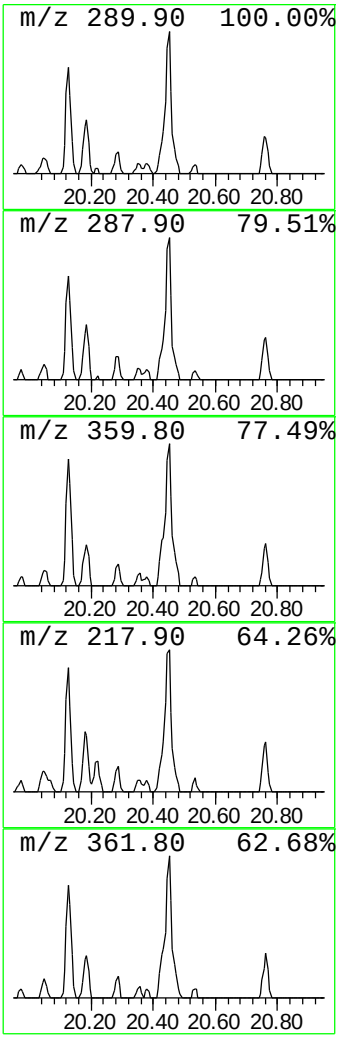
Peak Number 20 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	23.67 ng/ul	384399	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	95
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	95
5	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM090419\
Data File : BM022517.D
Acq On : 04 Sep 2019 00:27
Operator : HP/JU
Sample : K4606-02
Misc : GCMS CONFIRMATION
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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
1,1'-Biphenyl, 2,...	17.99	15.7	ng/ul	176062	4	16.94	223728	20.0
1,1'-Biphenyl, 2,...	18.06	3.0	ng/ul	33697	4	16.94	223728	20.0
1,1'-Biphenyl, 3,...	18.28	6.0	ng/ul	67513	4	16.94	223728	20.0
1,1'-Biphenyl, 2,...	18.84	39.0	ng/ul	435744	4	16.94	223728	20.0
1,1'-Biphenyl, 2,...	18.93	2.9	ng/ul	32171	4	16.94	223728	20.0
1,1'-Biphenyl, 2,...	19.13	30.8	ng/ul	500444	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	19.20	9.0	ng/ul	146468	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	19.53	3.5	ng/ul	56714	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	19.59	28.9	ng/ul	469211	5	21.16	324758	20.0
(2,3,4,5-Tetrachl...	19.73	3.5	ng/ul	56942	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	19.84	12.1	ng/ul	196378	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	19.90	23.2	ng/ul	376258	5	21.16	324758	20.0
unknown-01	20.04	2.9	ng/ul	46352	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	20.13	12.7	ng/ul	206540	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	20.19	6.2	ng/ul	100631	5	21.16	324758	20.0
unknown-02	20.28	2.3	ng/ul	37184	5	21.16	324758	20.0
1,1'-Biphenyl, 2,...	20.45	23.7	ng/ul	384399	5	21.16	324758	20.0