LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

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-BM092719MA.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	3.022	3	6	13	rVB	143346	175096	4.29%	0.320%
2	3.105	17	20	23	rVV	45997	50935	1.25%	0.093%
3	3.134	23	25	27	rVV	21460	21546	0.53%	0.039%
4	3.157	27	29	32	rVV	31432	31044	0.76%	0.057%
5	3.199	32	36	44	rVB	537280	567417	13.90%	1.037%
6	3.534	89	93	98	rVB	30817	38519	0.94%	0.070%
7	4.004	170	173	179	rBV	18804	25387	0.62%	0.046%
8	4.451	246	249	258	rVB3	7229	13742	0.34%	0.025%
9	4.657	281	284	289	rVB2	9527	12883	0.32%	0.024%
10	5.269	385	388	391	rVB3	5820	6277	0.15%	0.011%
11	6.963	672	676	680	rVB4	5085	6412	0.16%	0.012%
12	7.345	737	741	745	rBV4	4590	8669	0.21%	0.016%
13	7.804	811	819	829	rBV	1065123	1636871	40.11%	2.991%
14	7.945	838	843	851	rBV3	7202	10802	0.26%	0.020%
15	9.822	1156	1162	1165	rBV6	2731	5097	0.12%	0.009%
16	9.998	1188	1192	1197	rBV4	3452	5898	0.14%	0.011%
17	10.304	1238	1244	1247	rBV6	2640	4779	0.12%	0.009%
18	10.598	1286	1294	1300	rBV	1329244	2270042	55.62%	4.148%
19	10.645	1300	1302	1309	rVB	17601	22203	0.54%	0.041%
20	11.422	1431	1434	1439	rVB6	3094	4822	0.12%	0.009%
21	12.257	1571	1576	1583	rVB	23222	36314	0.89%	0.066%
22	12.480	1606	1614	1619	rBV	12546	21723	0.53%	0.040%
23	12.798	1663	1668	1675	rBV2	8193	20810	0.51%	0.038%
24	13.245	1739	1744	1748	rBV4	4118	8271	0.20%	0.015%
25	13.757	1827	1831	1836	rBV3	5058	9795	0.24%	0.018%
26	14.439	1940	1947	1954	rBV	1904828	2746059	67.29%	5.018%
27	14.492	1954	1956	1959	rVB4	4769	5372	0.13%	0.010%
28	14.851	2012	2017	2023	rBV	26128	34011	0.83%	0.062%
29	14.945	2029	2033	2037	rBV	18964	22243	0.55%	0.041%
30	15.357	2097	2103	2106	rBV4	4729	8644	0.21%	0.016%
31	15.433	2112	2116	2121	rBV5	3081	5740	0.14%	0.010%
32	15.698	2155	2161	2168	rBV6	4905	9110	0.22%	0.017%
33	16.110	2225	2231	2236	rVV	21148	32844	0.80%	0.060%
34	16.433	2281	2286	2289	rBV3	8013	11316	0.28%	0.021%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

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-BM092719MA.M
Title : SVOA CALIBRATION

35	16.574	2308	2310	2315	rVB6	4201	6057	0.15%	0.011%
36	16.751	2328	2340	2349	rVV6	21362	55271	1.35%	0.101%
37	16.827	2349	2353	2359	rVV2	25406	34693	0.85%	0.063%
38	16.951	2370	2374	2375	rBV4	4263	6078	0.15%	0.011%
39	17.057	2388	2392	2396	rBV	28509	37338	0.91%	0.068%
40	17.092	2396	2398	2402	rVB3	13191	16477	0.40%	0.030%
41	17.180	2406	2413	2425	rVV	1778245	2549947	62.48%	4.659%
42	17.274	2427	2429	2433	rVB2	7496	7391	0.18%	0.014%
43	17.357	2438	2443	2449	rBV2	43060	69641	1.71%	0.127%
44	17.551	2474	2476	2480	rBV5	4278	5712	0.14%	0.010%
45	17.633	2486	2490	2493	rBV3	11855	16173	0.40%	0.030%
46	17.780	2508	2515	2522	rVB	145096	273141	6.69%	0.499%
47	17.898	2530	2535	2541	rBV4	44376	75230	1.84%	0.137%
48	17.974	2544	2548	2552	rBV4	12982	20170	0.49%	0.037%
49	18.027	2552	2557	2561	rBV2	58198	84116	2.06%	0.154%
50	18.074	2561	2565	2573	rVV4	56049	94455	2.31%	0.173%
51	18.145	2573	2577	2582	rVV	82569	103042	2.52%	0.188%
52	18.192	2582	2585	2589	rVV4	14183	21846	0.54%	0.040%
53	18.251	2589	2595	2600	rVV	1456842	1889544	46.30%	3.453%
54	18.309	2600	2605	2609	rVV	344683	451873	11.07%	0.826%
55	18.351	2609	2612	2616	rVB	91645	111096	2.72%	0.203%
56	18.533	2638	2643	2648	rBV	663753	842647	20.65%	1.540%
57	18.580	2648	2651	2656	rVV2	82912	113695	2.79%	0.208%
58	18.633	2656	2660	2663	rVV	26861	35079	0.86%	0.064%
59	18.674	2663	2667	2669	rVV	66151	83469	2.05%	0.153%
60	18.709	2669	2673	2679	rVB	227207	289142	7.08%	0.528%
61	18.774	2681	2684	2687	rBV4	26223	35919	0.88%	0.066%
62	18.809	2687	2690	2694	rVB	38447	44733	1.10%	0.082%
63	18.956	2712	2715	2719	rBV4	20232	25172	0.62%	0.046%
64	19.021	2721	2726	2729	rBV	285517	369266	9.05%	0.675%
65	19.068	2729	2734	2736	rVV	869524	1164512	28.53%	2.128%
66	19.098	2736	2739	2746	rVB2	2036645	2821302	69.13%	5.155%
67	19.180	2749	2753	2759	rVV	283587	371238	9.10%	0.678%
68	19.303	2770	2774	2782	rBV2	446431	814417	19.96%	1.488%
69	19.380	2782	2787	2794	rVV	3042691	4081125	100.00%	7.457%
70	19.445	2794	2798	2804	rVB	1094604	1323017	32.42%	2.417%
71	19.515	2807	2810	2814	rVB3	40522	46598	1.14%	0.085%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

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-BM092719MA.M
Title : SVOA CALIBRATION

72	19.574	2816	2820	2826	rBV3	137409	185529	4.55%	0.339%
73	19.645	2827	2832	2837	rBV	800830	1011014	24.77%	1.847%
74	19.721	2837	2845	2849	rBV	1380625	1763516	43.21%	3.222%
75	19.768	2849	2853	2857	rVV	417710	536549	13.15%	0.980%
76	19.827	2857	2863	2868	rVB	3109269	3865060	94.71%	7.062%
77	20.045	2897	2900	2903	rVB	112089	113281	2.78%	0.207%
78	20.092	2903	2908	2912	rBV2	1209521	1603947	39.30%	2.931%
79	20.145	2912	2917	2923	rVB	2559718	3127441	76.63%	5.714%
80	20.221	2926	2930	2935	rBV	198957	246542	6.04%	0.450%
81	20.292	2936	2942	2947	rVB4	288917	481915	11.81%	0.881%
82	20.368	2950	2955	2960	rBV	1470390	1759596	43.12%	3.215%
83	20.421	2960	2964	2966	rBV	723762	907936	22.25%	1.659%
84	20.450	2966	2969	2974	rVB	1108960	1296649	31.77%	2.369%
85	20.521	2977	2981	2989	rVB	330472	430348	10.54%	0.786%
86	20.592	2989	2993	2995	rBV	150456	191349	4.69%	0.350%
87	20.615	2995	2997	3001	rVB3	159850	171624	4.21%	0.314%
88	20.686	3001	3009	3017	rBV2	1908393	3236864	79.31%	5.914%
89	20.768	3020	3023	3029	rBV2	131143	170395	4.18%	0.311%
90	20.833	3031	3034	3040	rBV	355896	419358	10.28%	0.766%
91	20.897	3042	3045	3049	rBV4	68583	85057	2.08%	0.155%
92	20.992	3057	3061	3066	rBV	609408	719526	17.63%	1.315%
93	21.103	3078	3080	3085	rVB2	113802	115500	2.83%	0.211%
94	21.156	3087	3089	3094	rVB5	79181	94782	2.32%	0.173%
95	21.239	3100	3103	3106	rBV	262677	274995	6.74%	0.502%
96	21.280	3106	3110	3115	rBV	407515	458717	11.24%	0.838%
97	21.356	3118	3123	3127	rBV	1687547	2188175	53.62%	3.998%
98	21.633	3166	3170	3177	rBV	393460	463117	11.35%	0.846%
99	21.703	3178	3182	3188	rBV2	181519	251546	6.16%	0.460%
100	23.621	3503	3508	3523	rVB	1218750	2277293	55.80%	4.161%

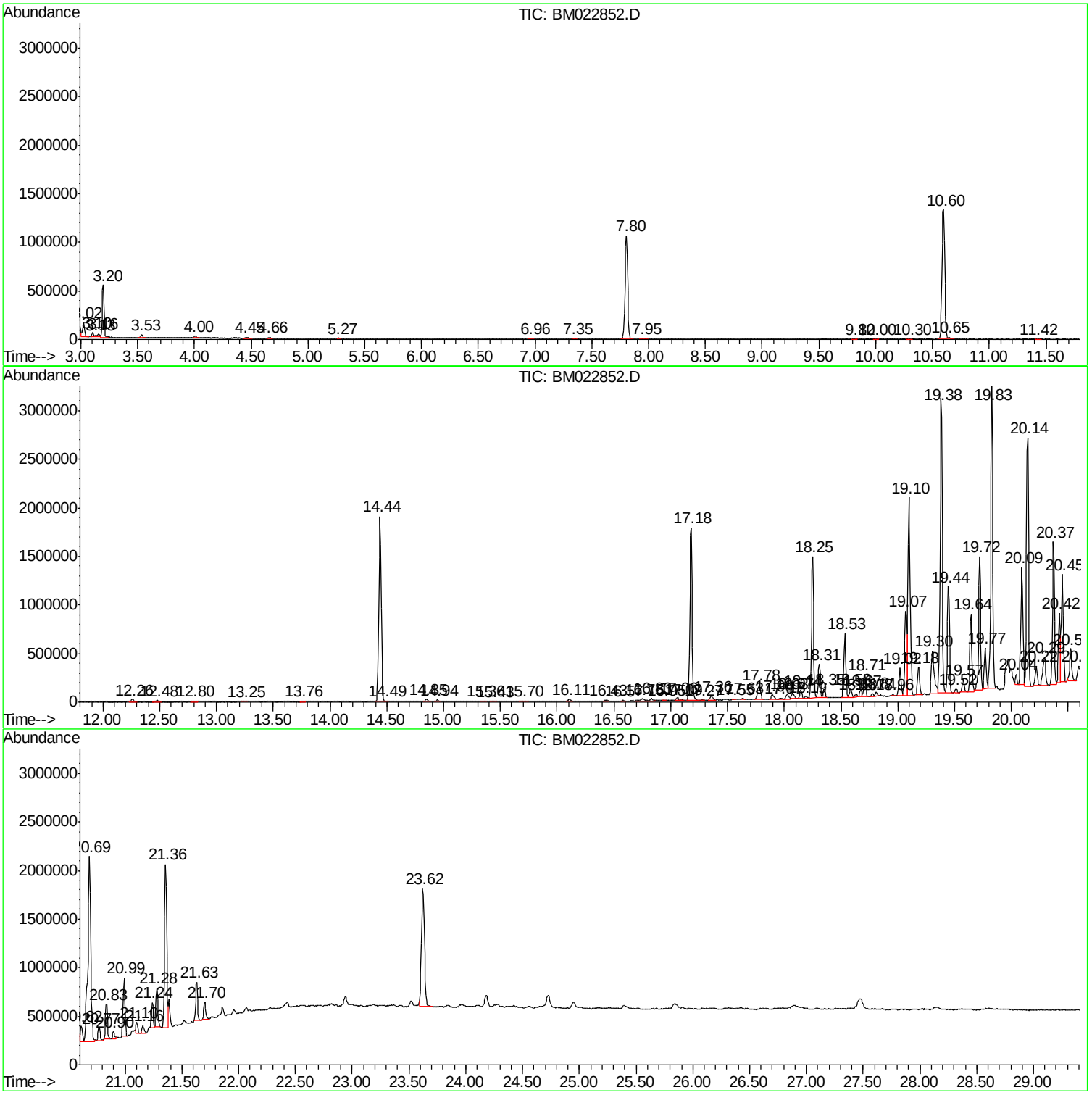
Sum of corrected areas: 54728936

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

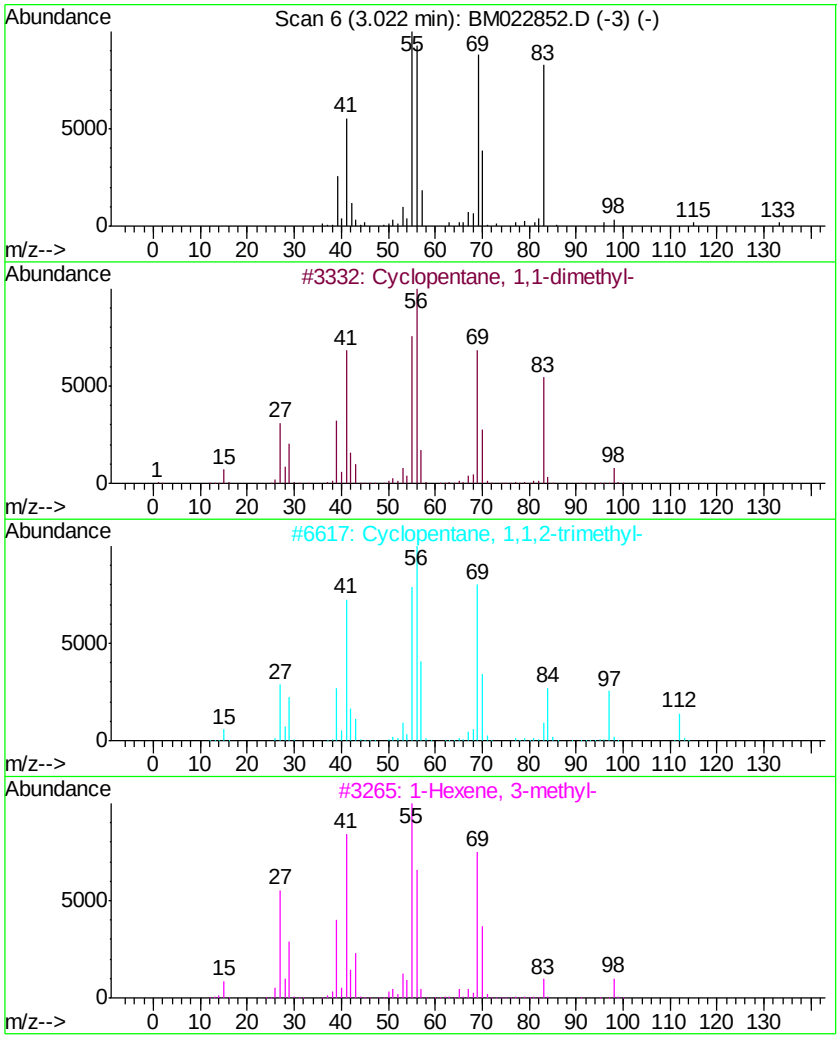
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

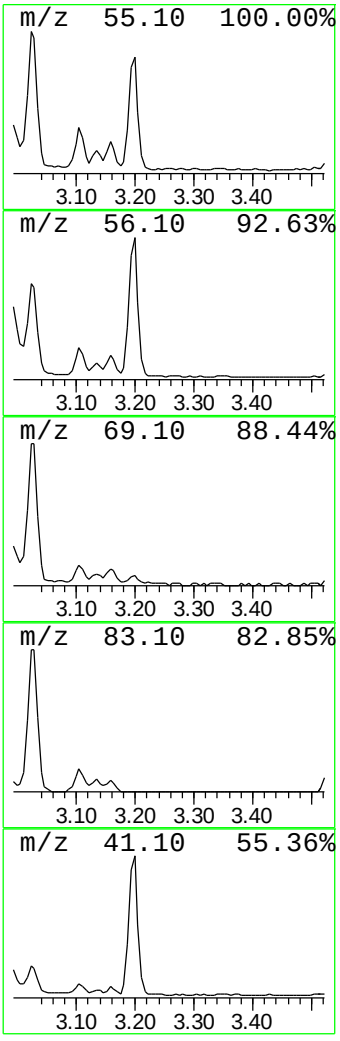
****

Peak Number 1 (DEL) Alkane: Cyclic3.02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.14 ng/ul	175096	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	83
2	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	53
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
4	3-Heptene	98	C7H14	000592-78-9	50
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

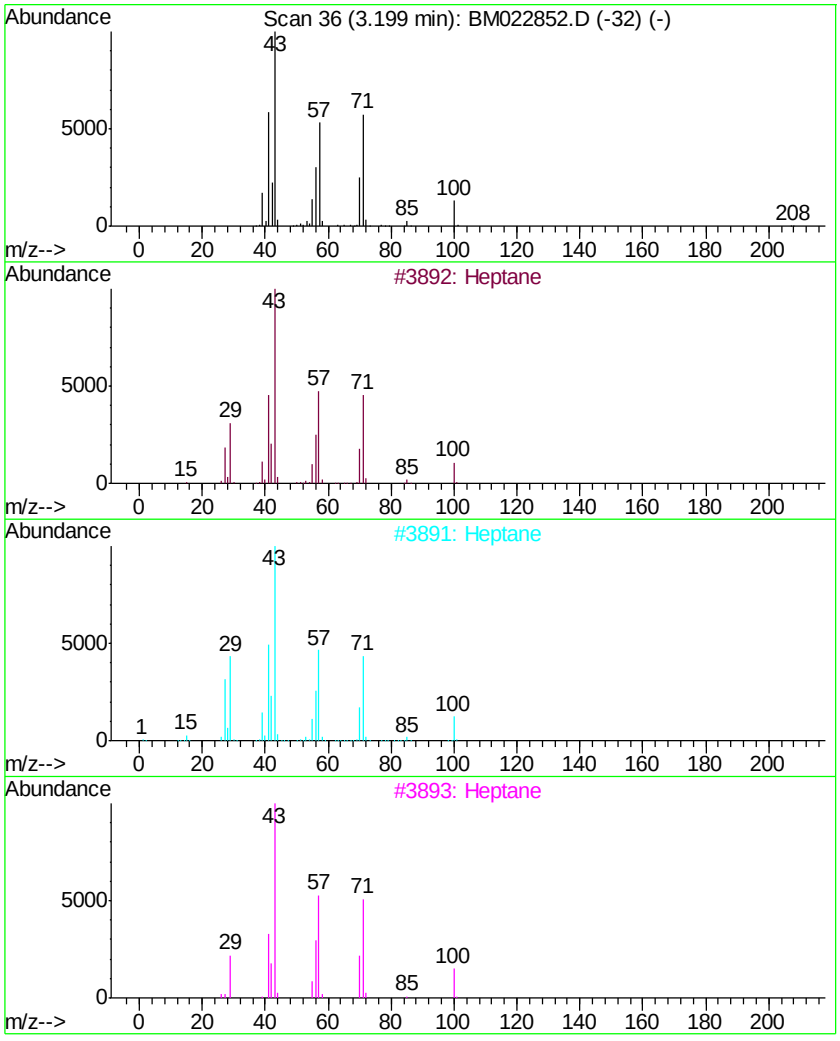
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

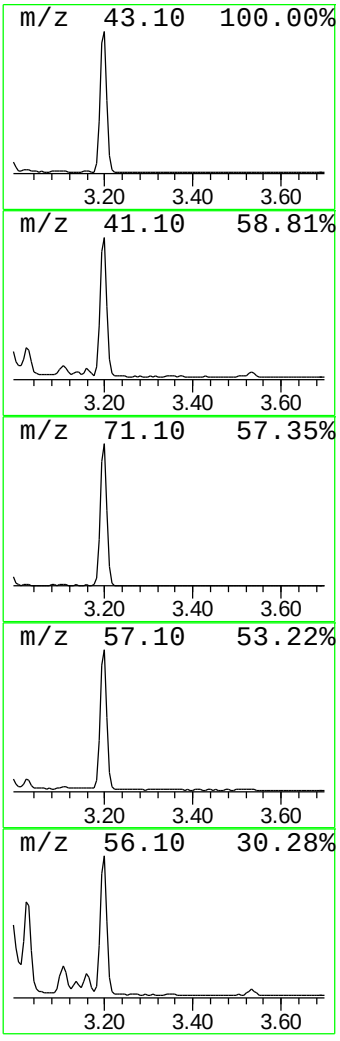
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.93 ng/ul	567417	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	95
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Decane, 4-methyl-	156	C11H24	002847-72-5	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

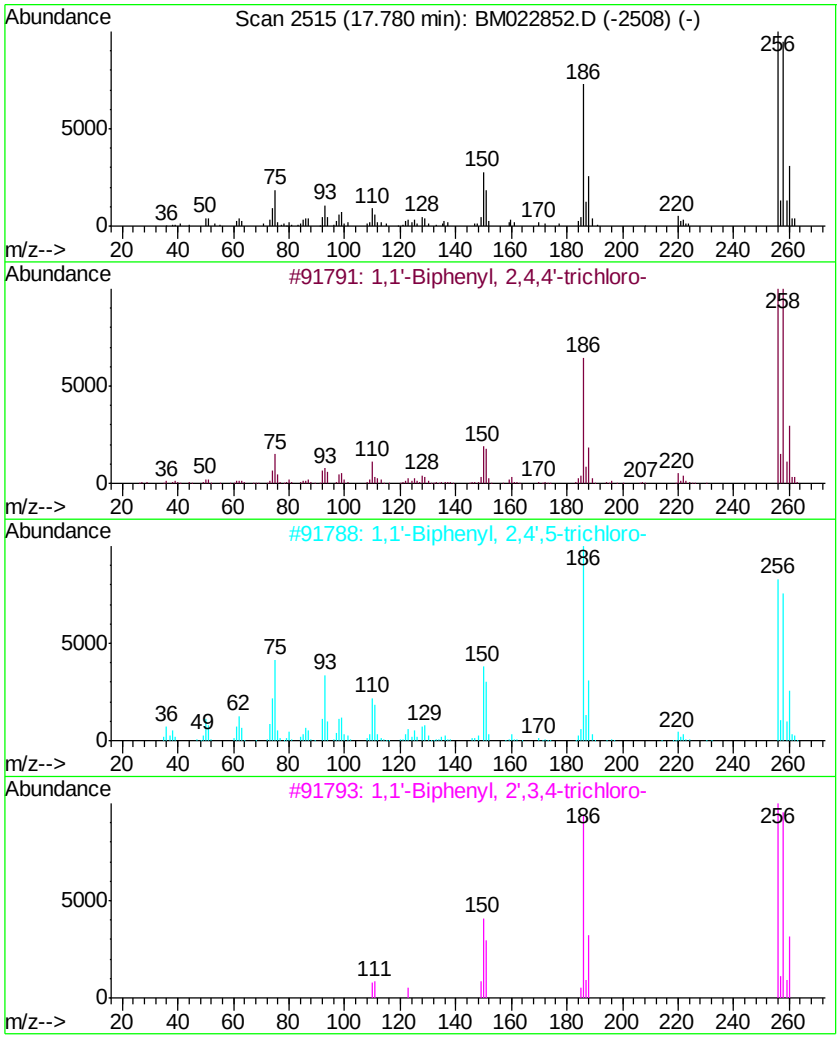
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

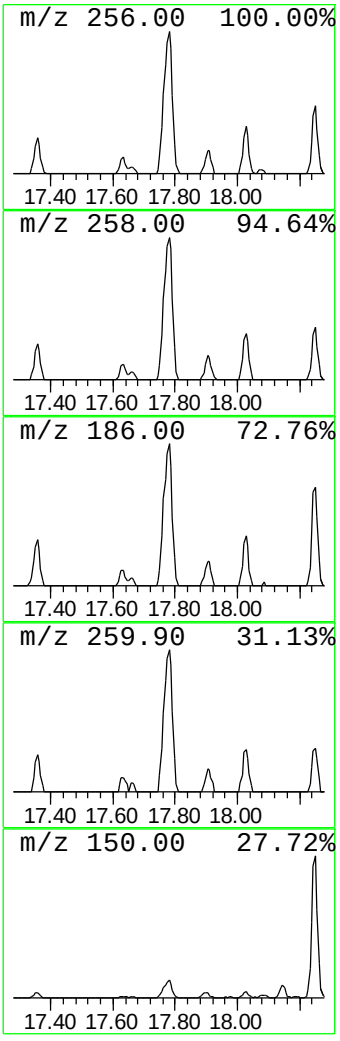
****

Peak Number 3 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	2.14 ng/ul	273141	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

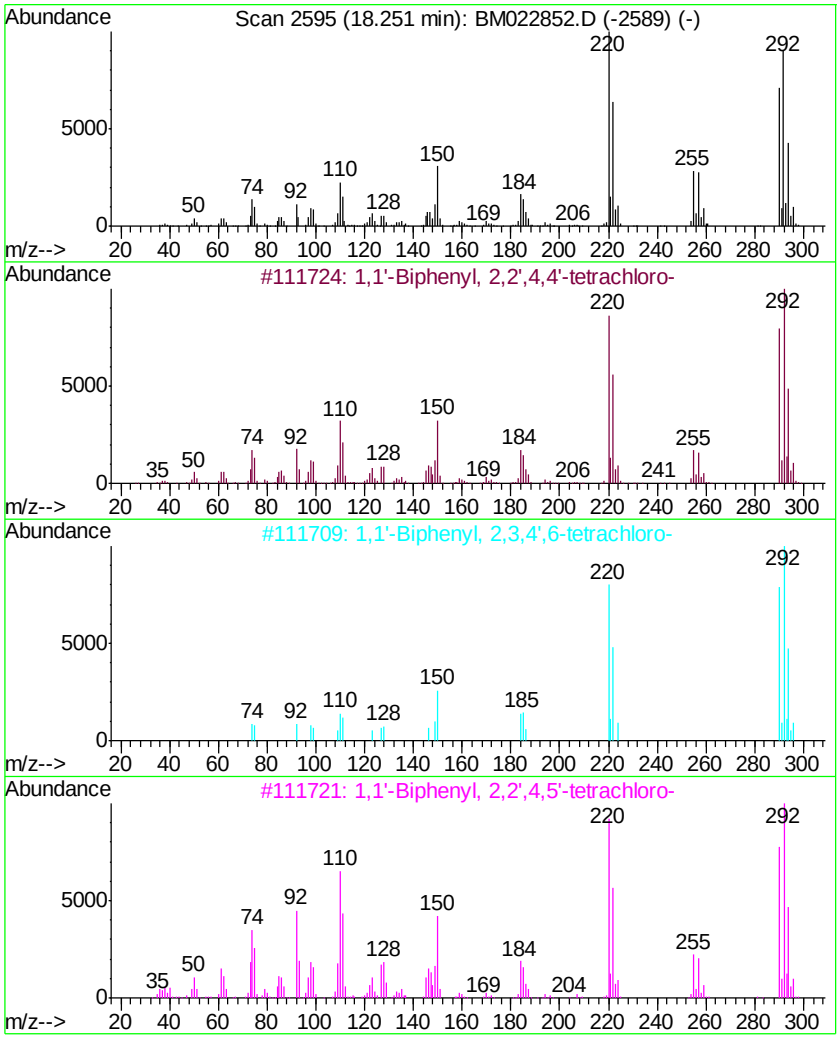
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

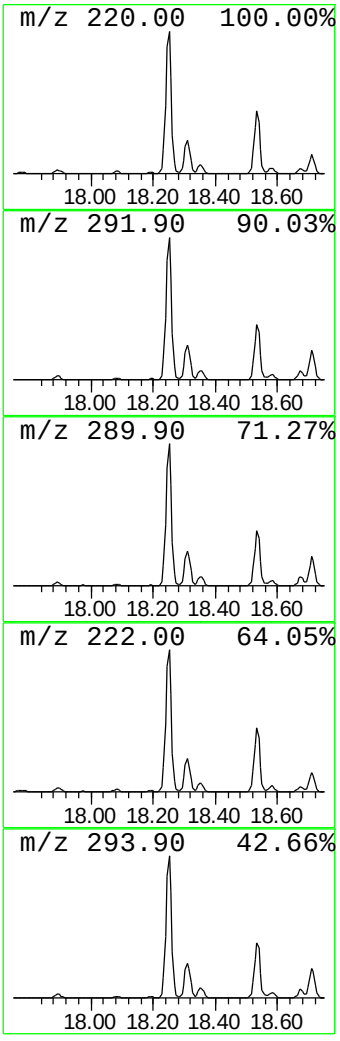
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	14.82 ng/ul	1889540	Phenanthrene-d10	17.18

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

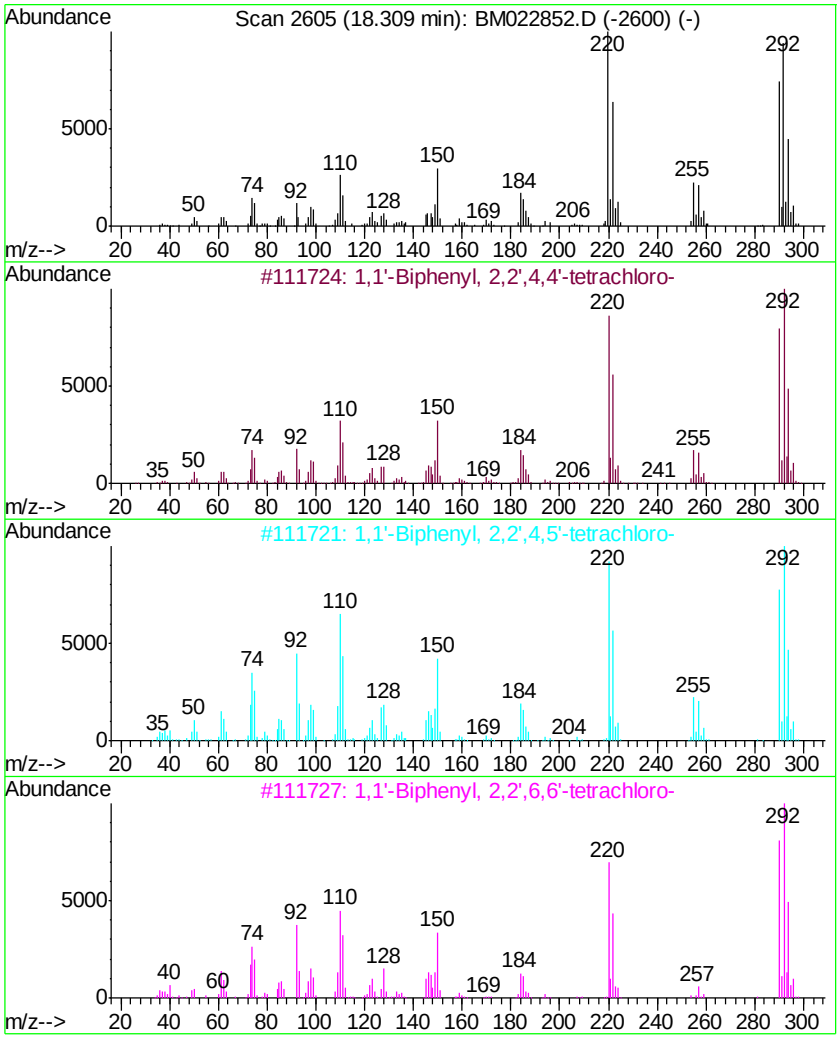
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

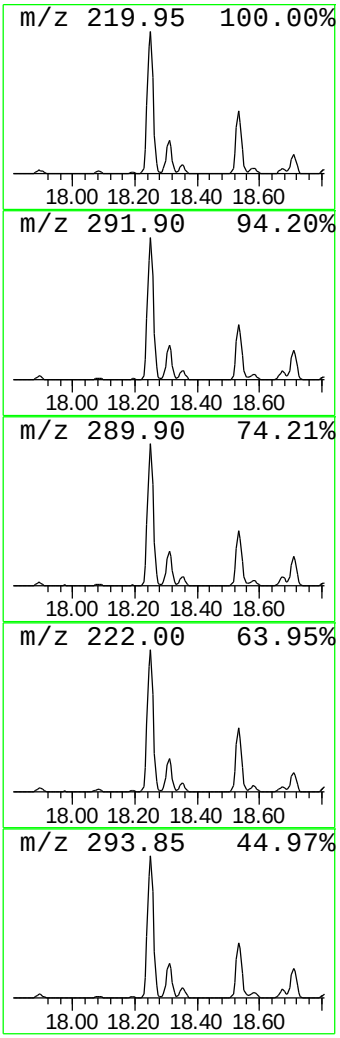
****

Peak Number 5 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.54 ng/ul	451873	Phenanthrene-d10	17.18

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

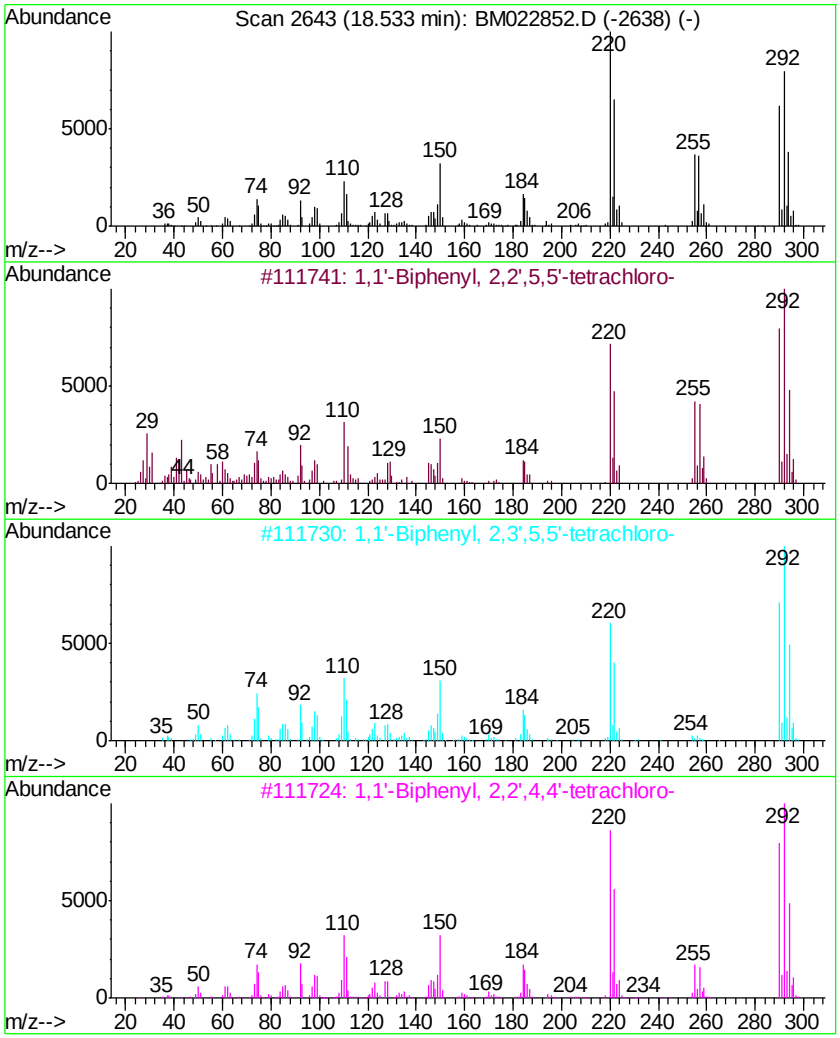
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

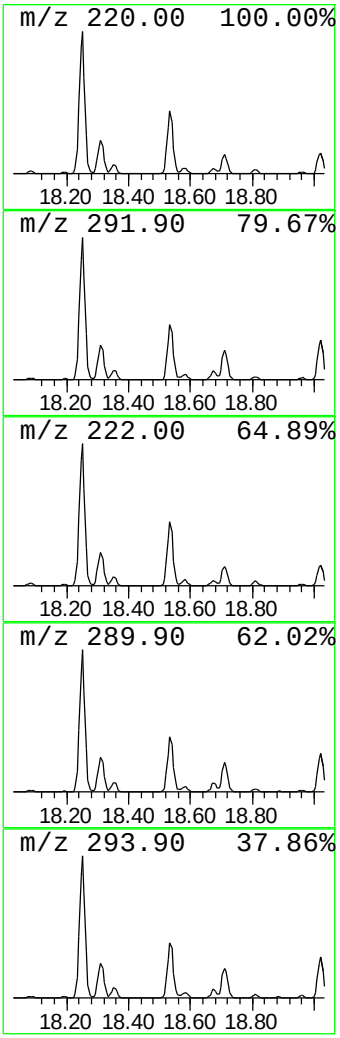
****

Peak Number 6 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	6.61 ng/ul	842647	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

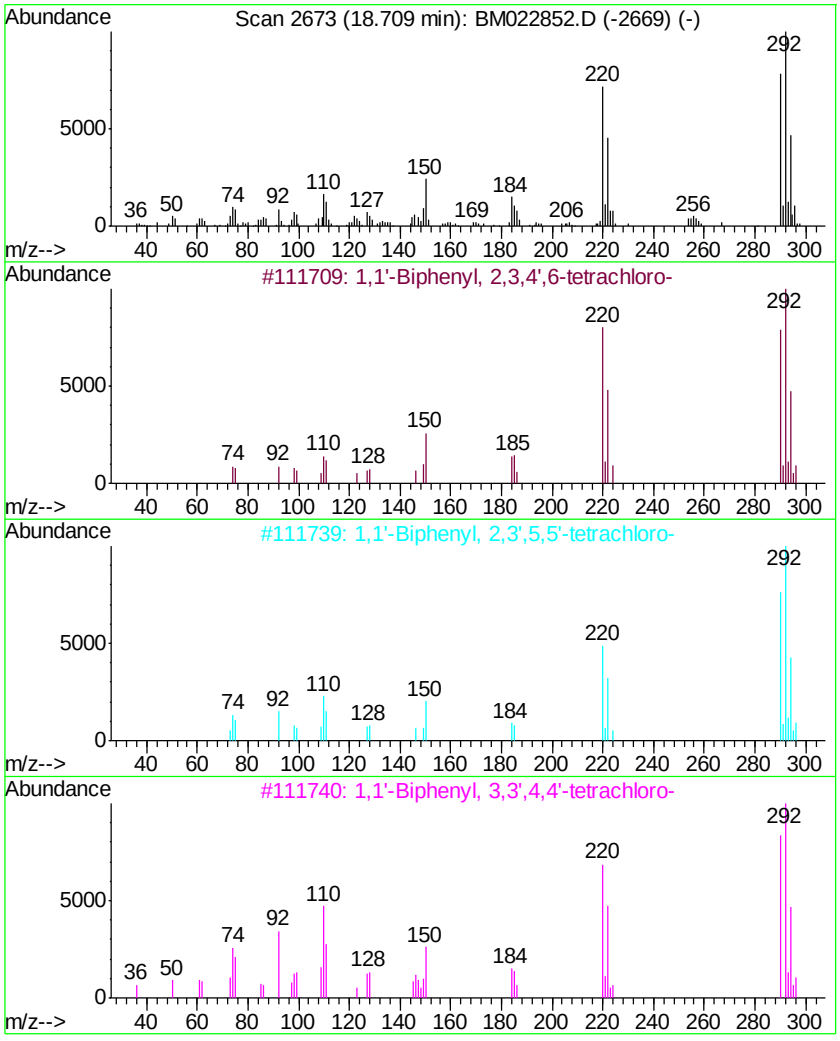
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

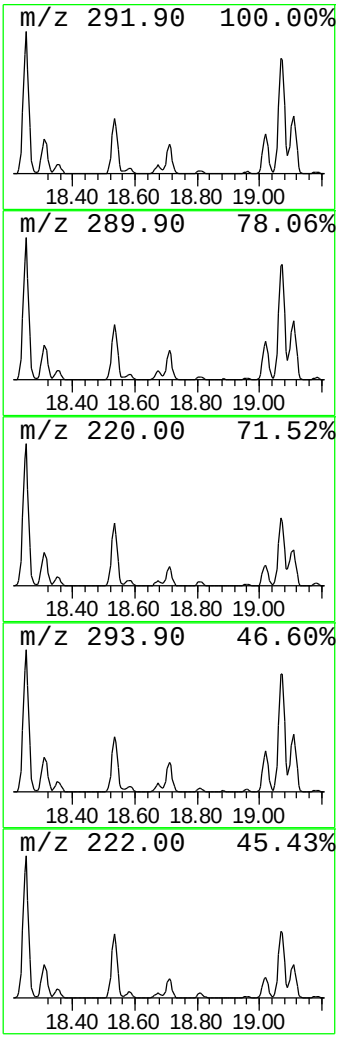
****

Peak Number 7 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	2.27 ng/ul	289142	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

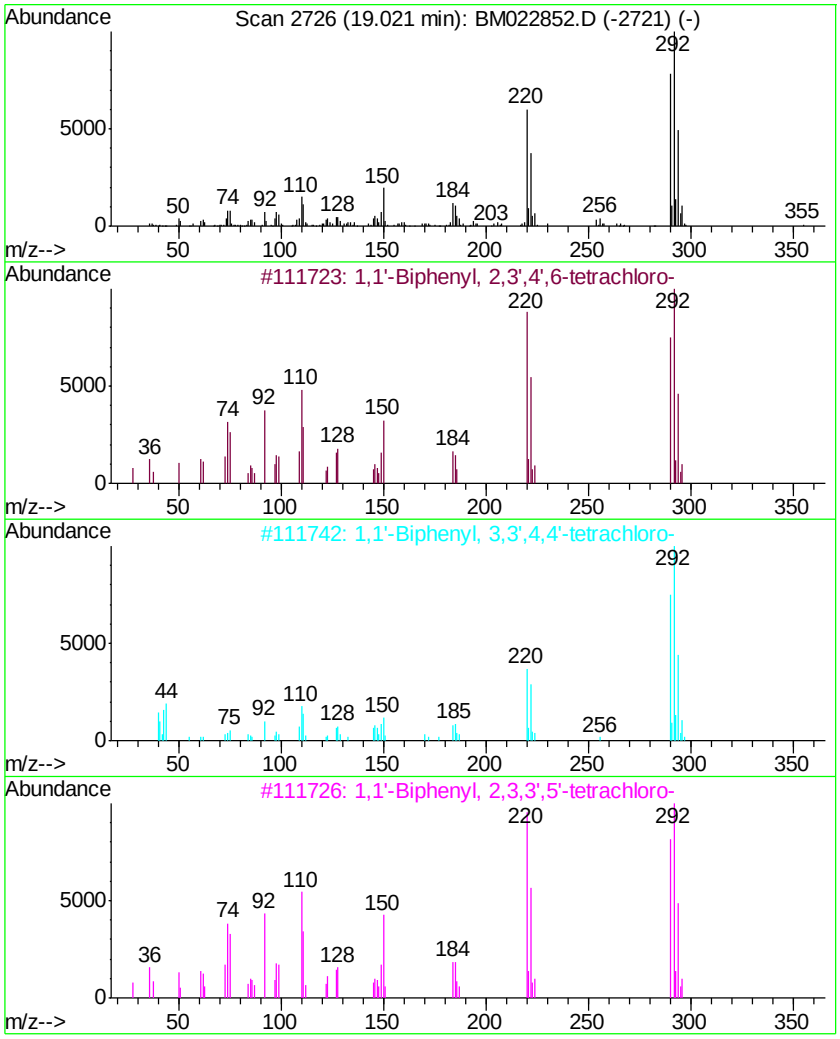
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

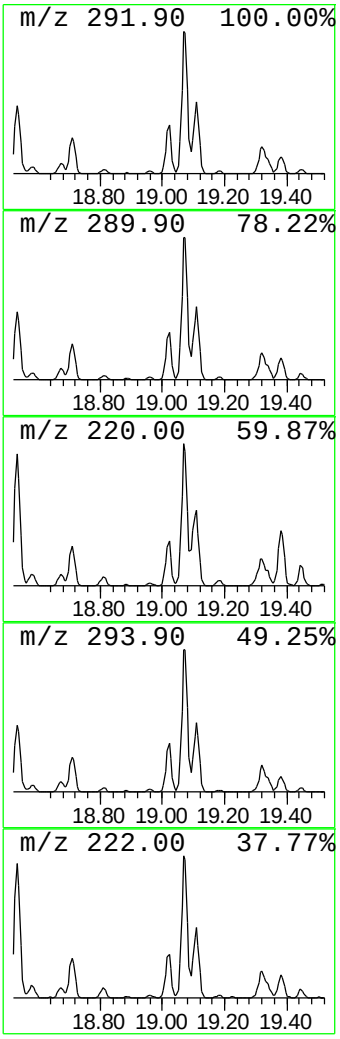
****

Peak Number 8 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.90 ng/ul	369266	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

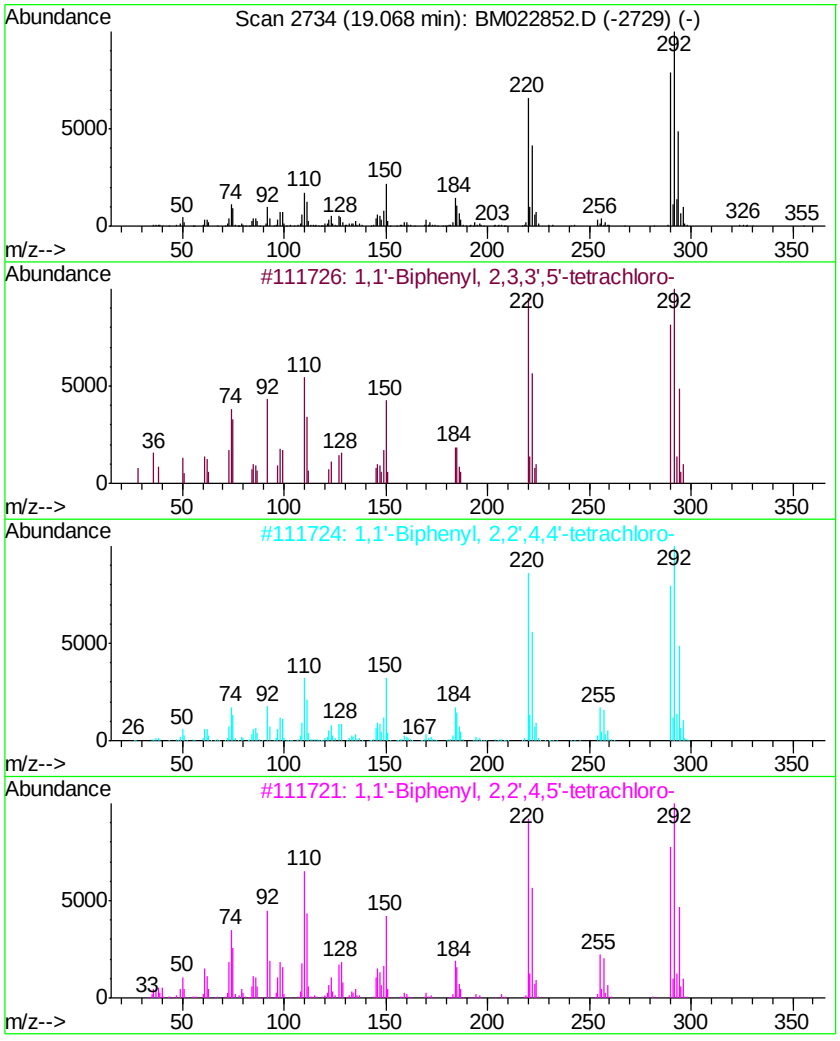
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

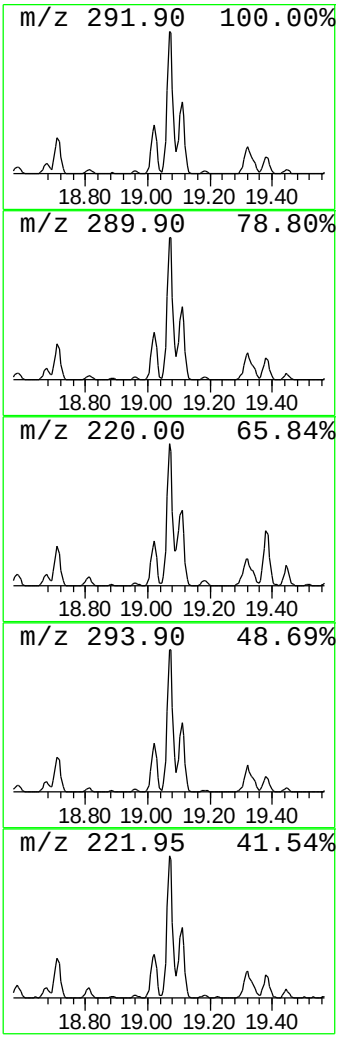
****

Peak Number 9 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	9.13 ng/ul	1164510	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

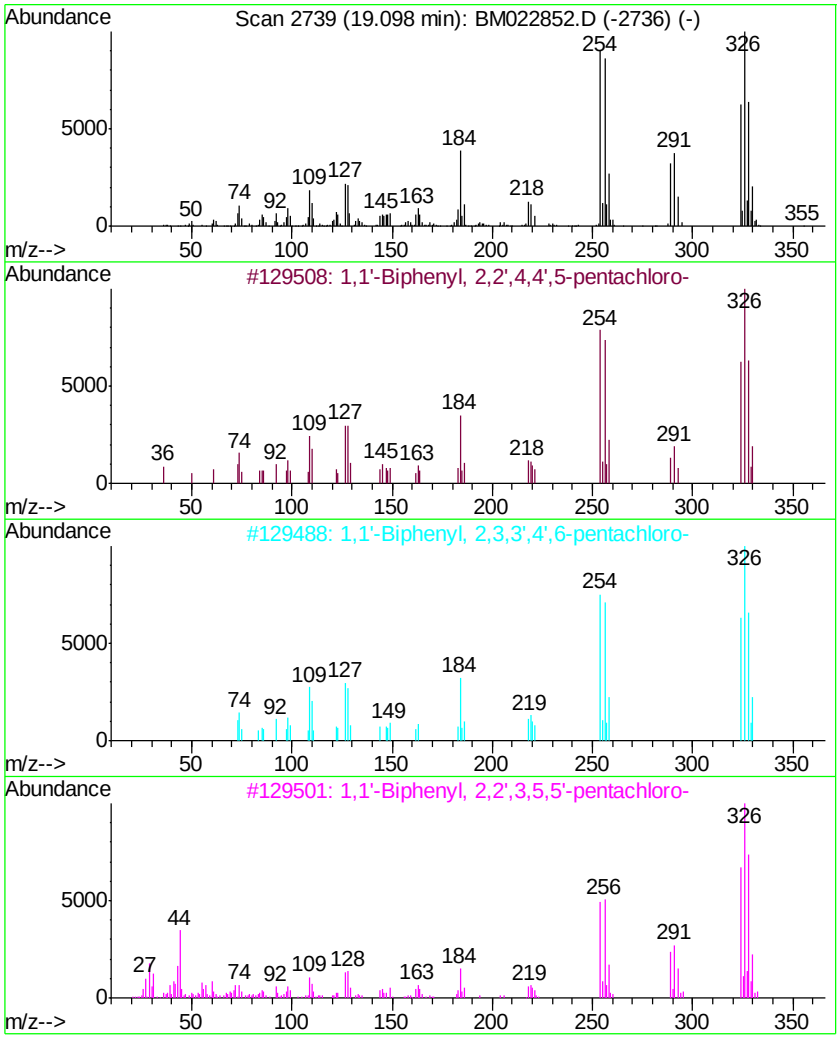
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

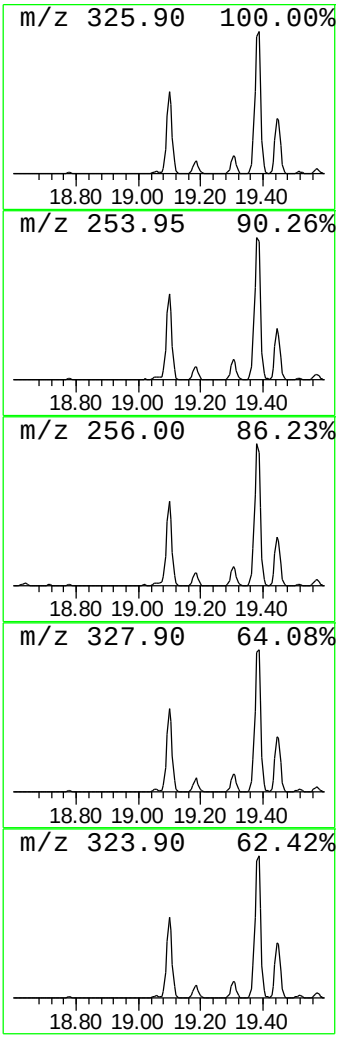
****

Peak Number 10 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	22.13 ng/ul	2821300	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

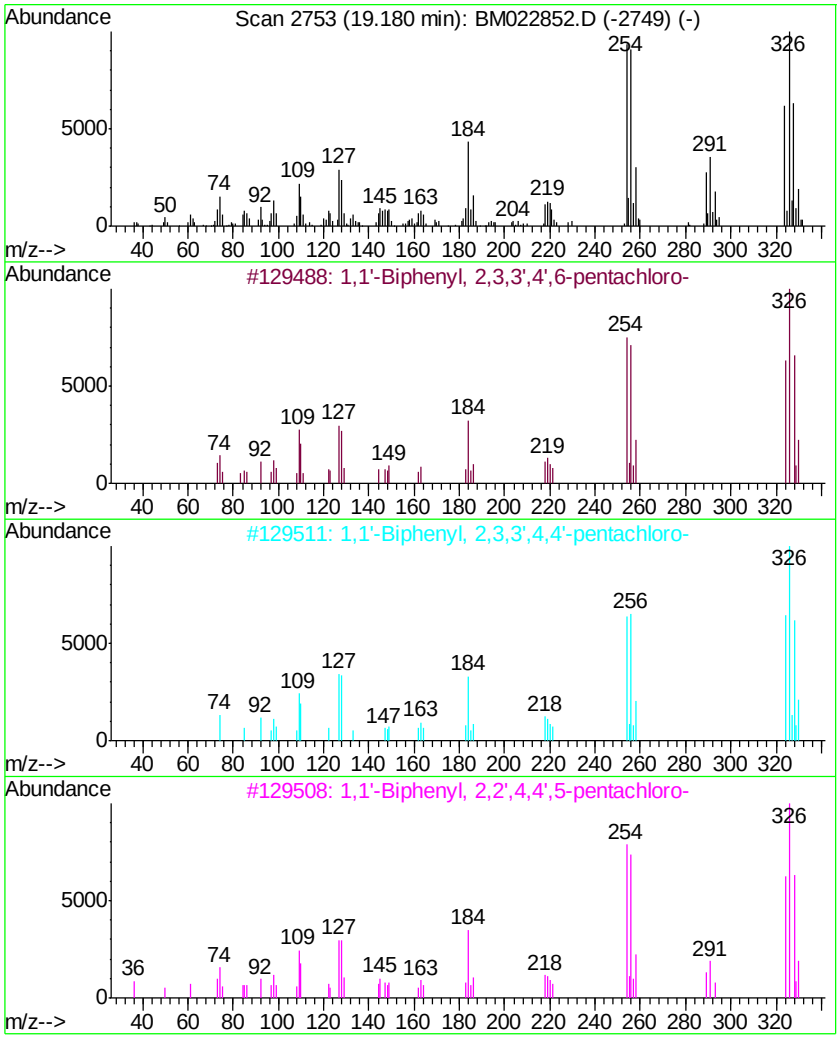
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

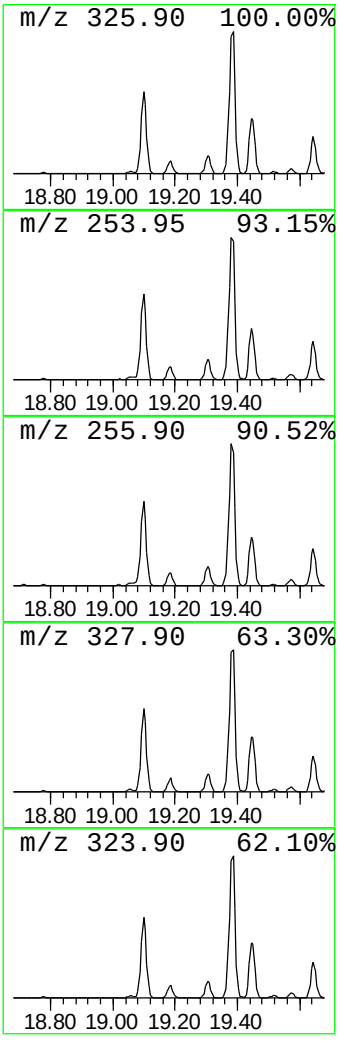
****

Peak Number 11 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	2.91 ng/ul	371238	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

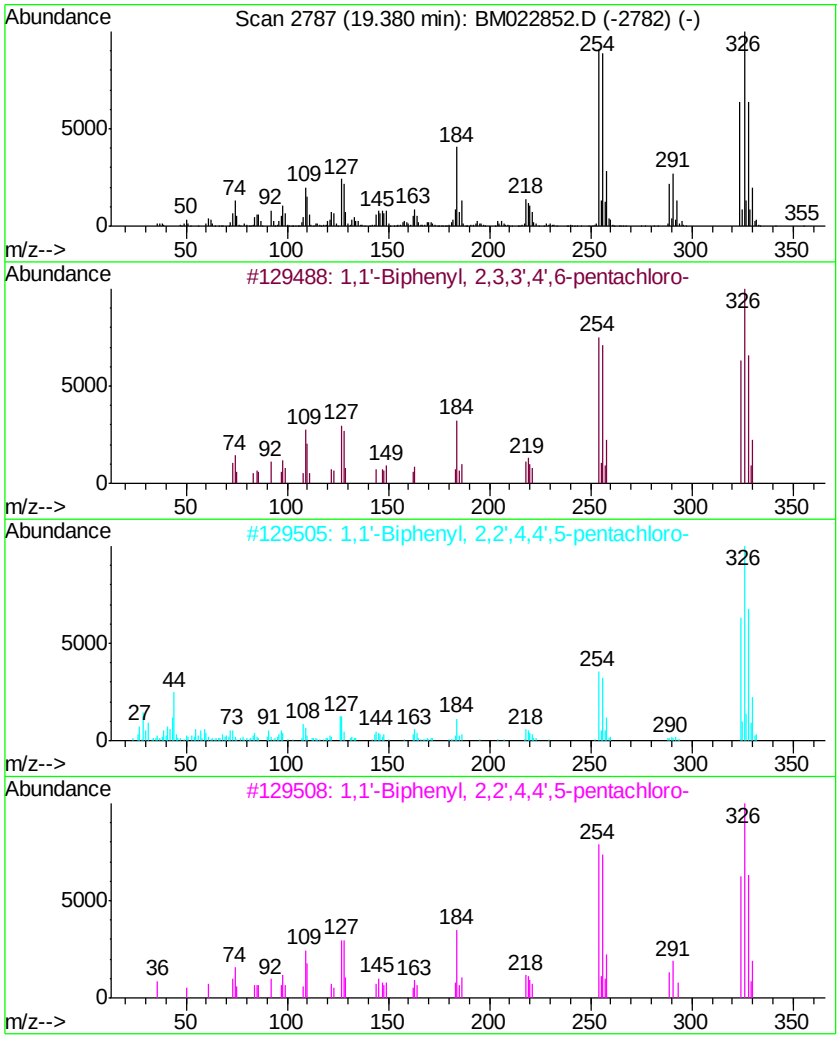
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

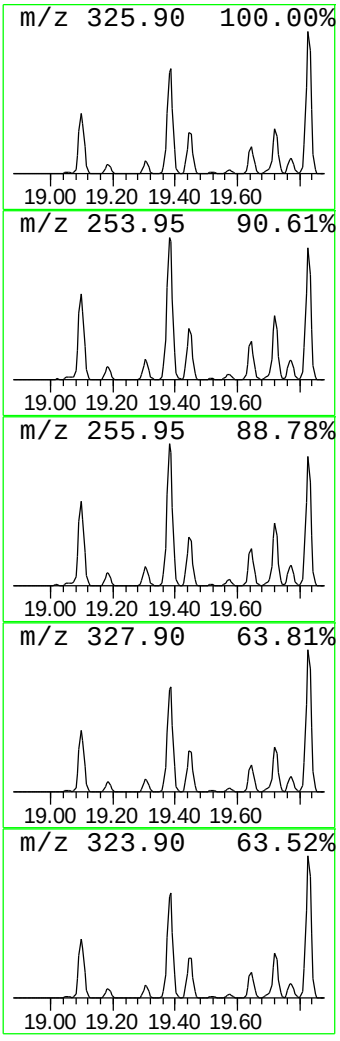
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,2',4,5',6-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	37.30 ng/ul	4081130	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

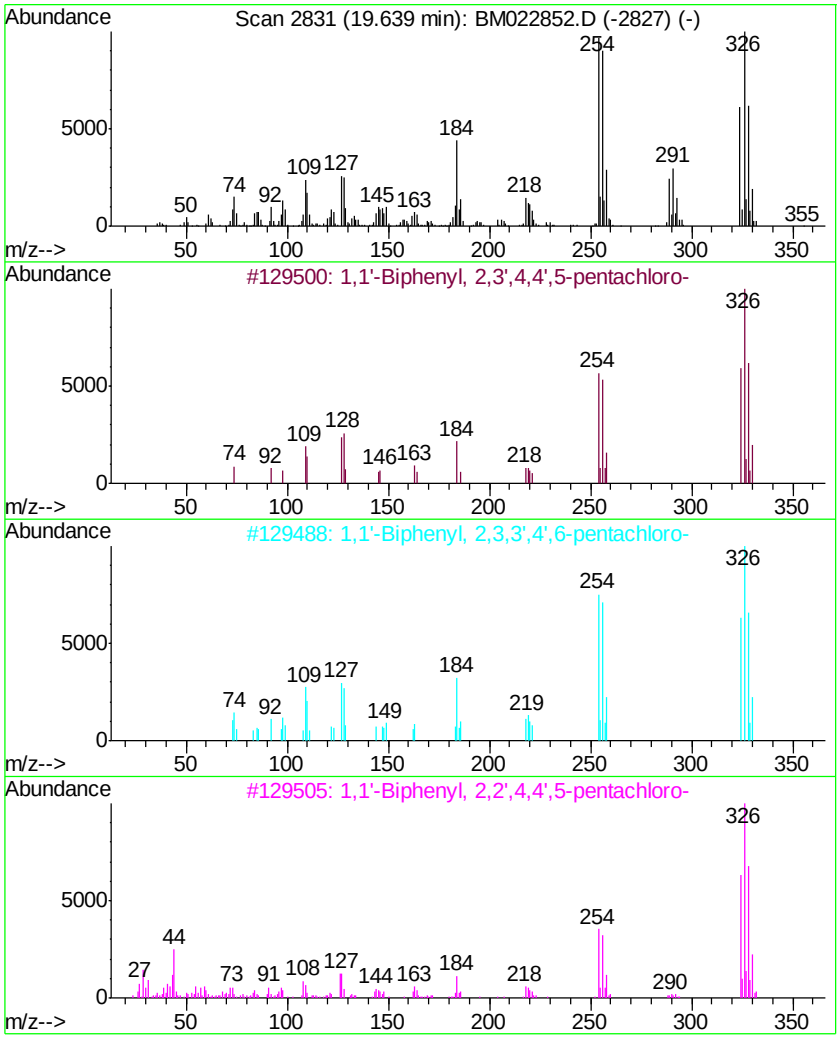
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

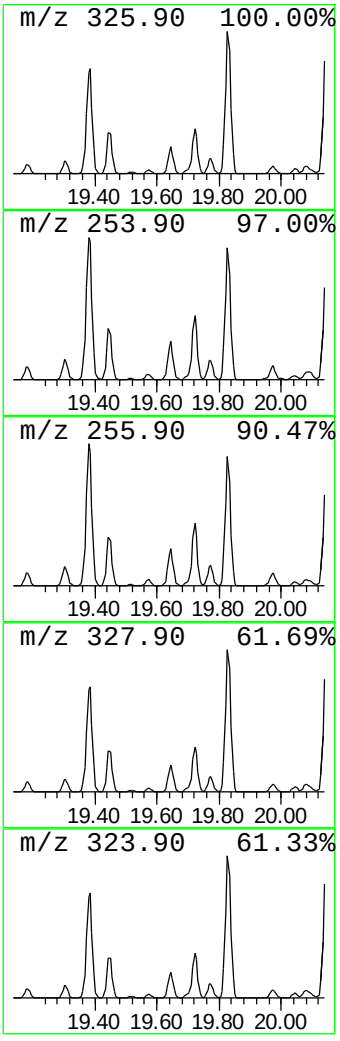
****

Peak Number 15 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	9.24 ng/ul	1011010	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

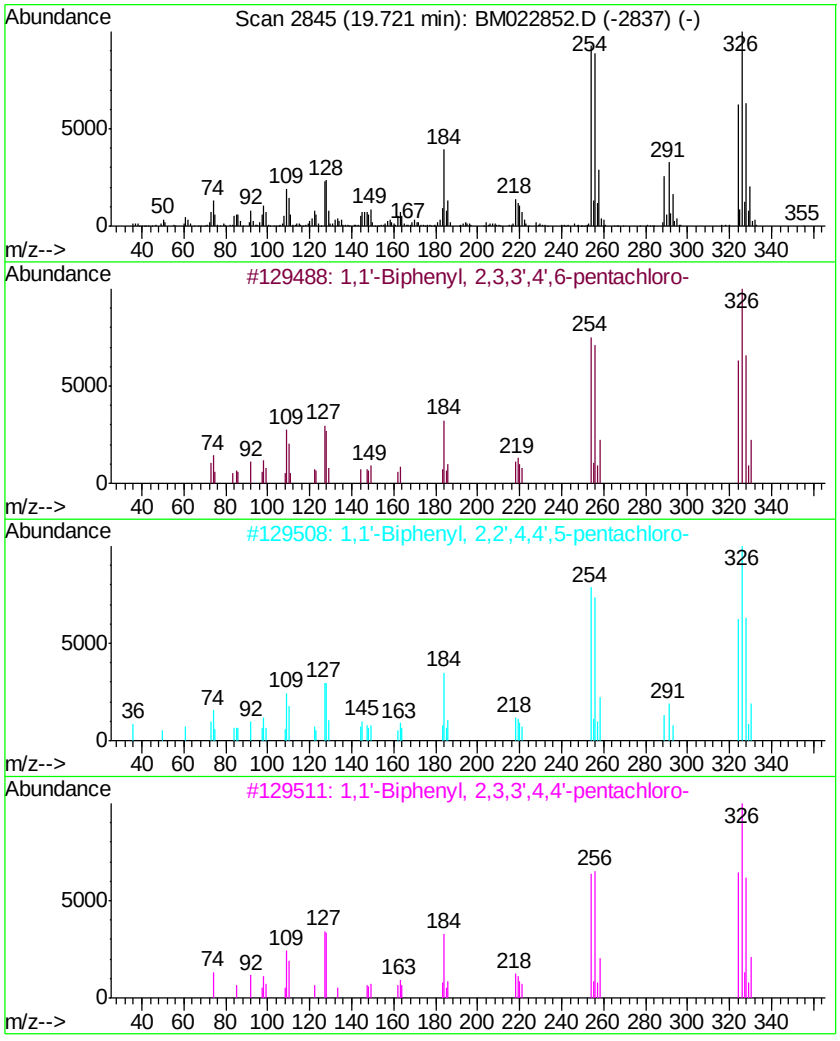
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

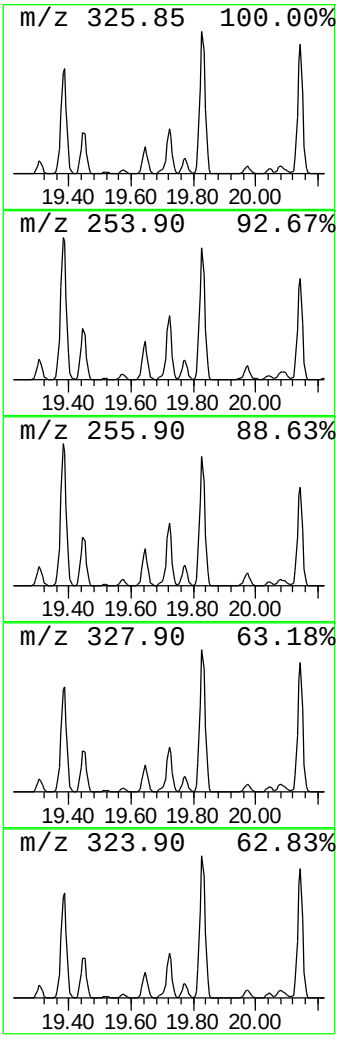
****

Peak Number 16 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	16.12 ng/ul	1763520	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

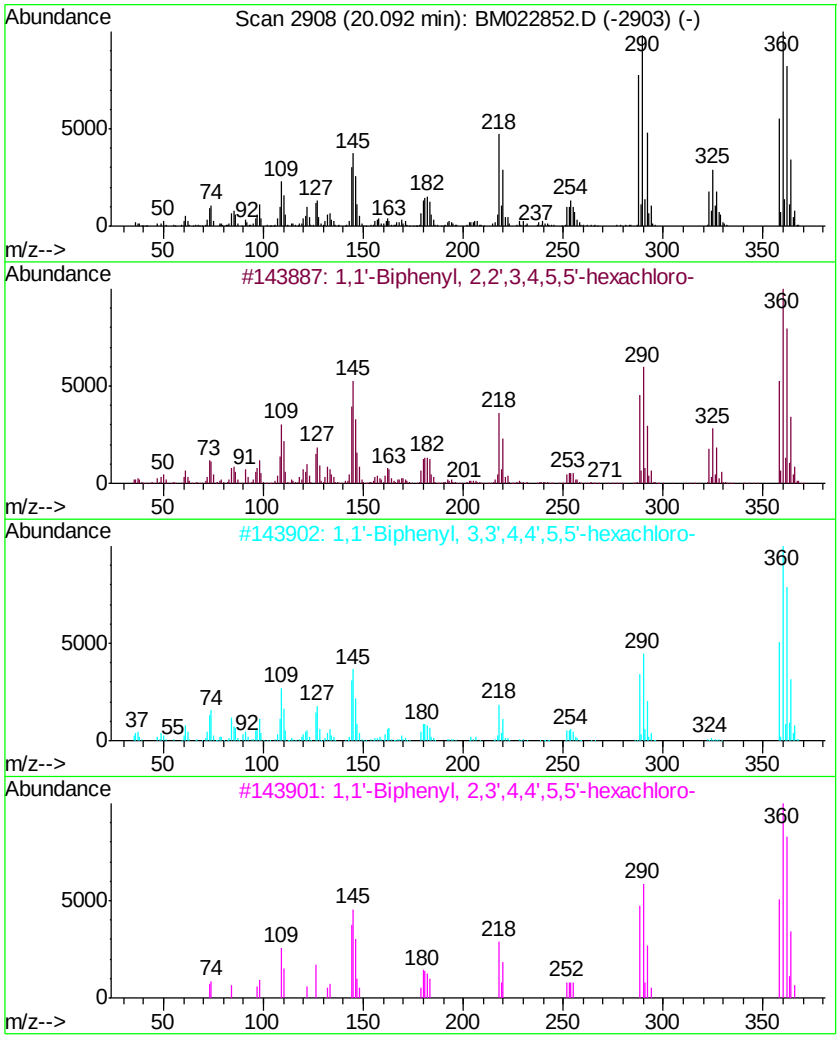
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

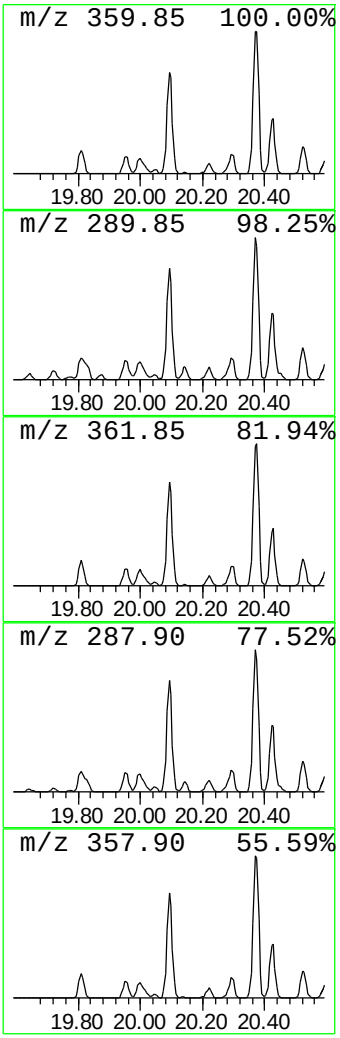
****

Peak Number 19 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	14.66 ng/ul	1603950	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

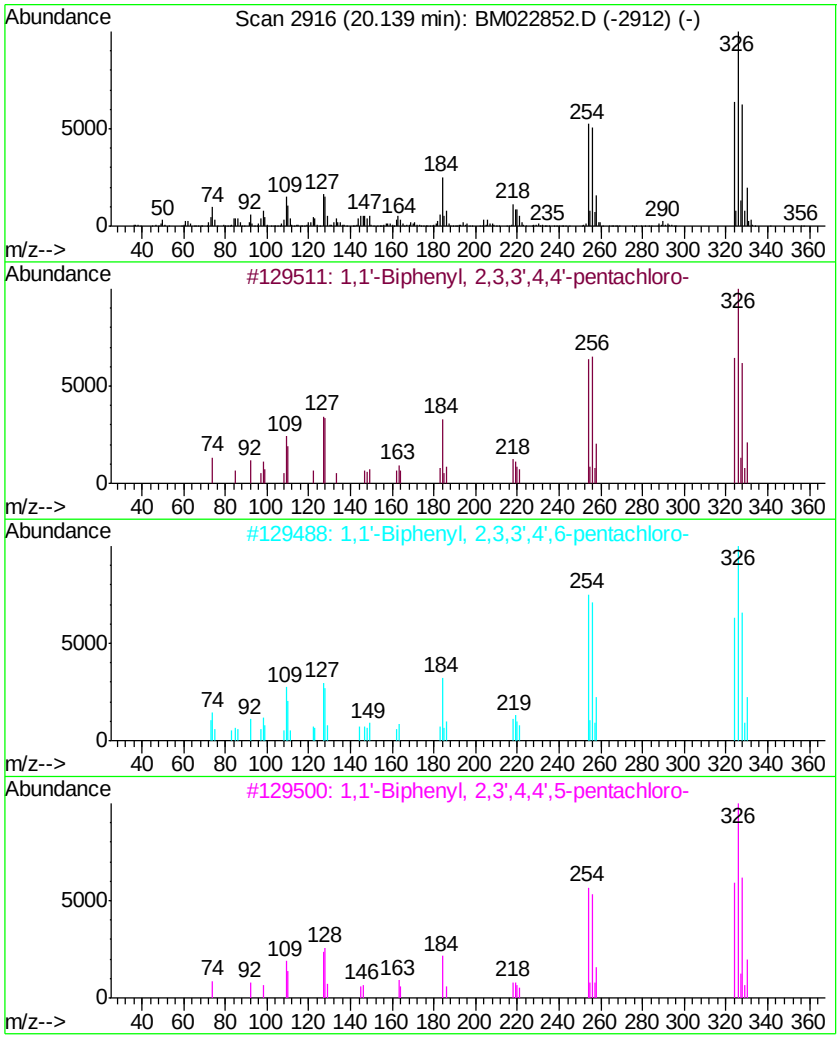
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

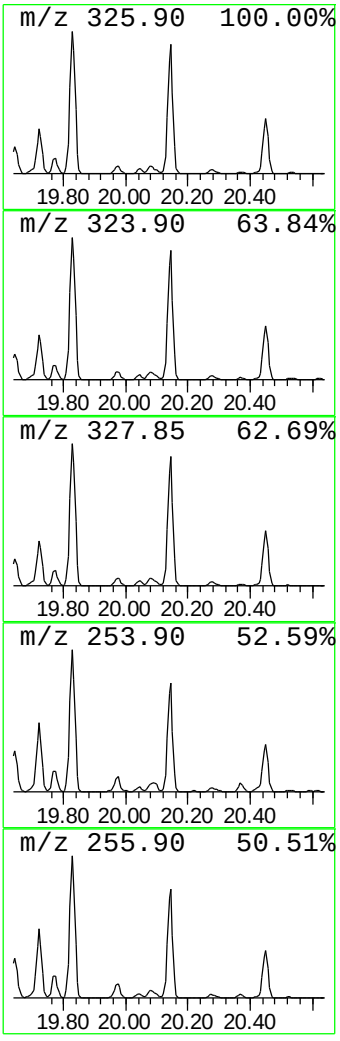
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	28.58 ng/ul	3127440	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

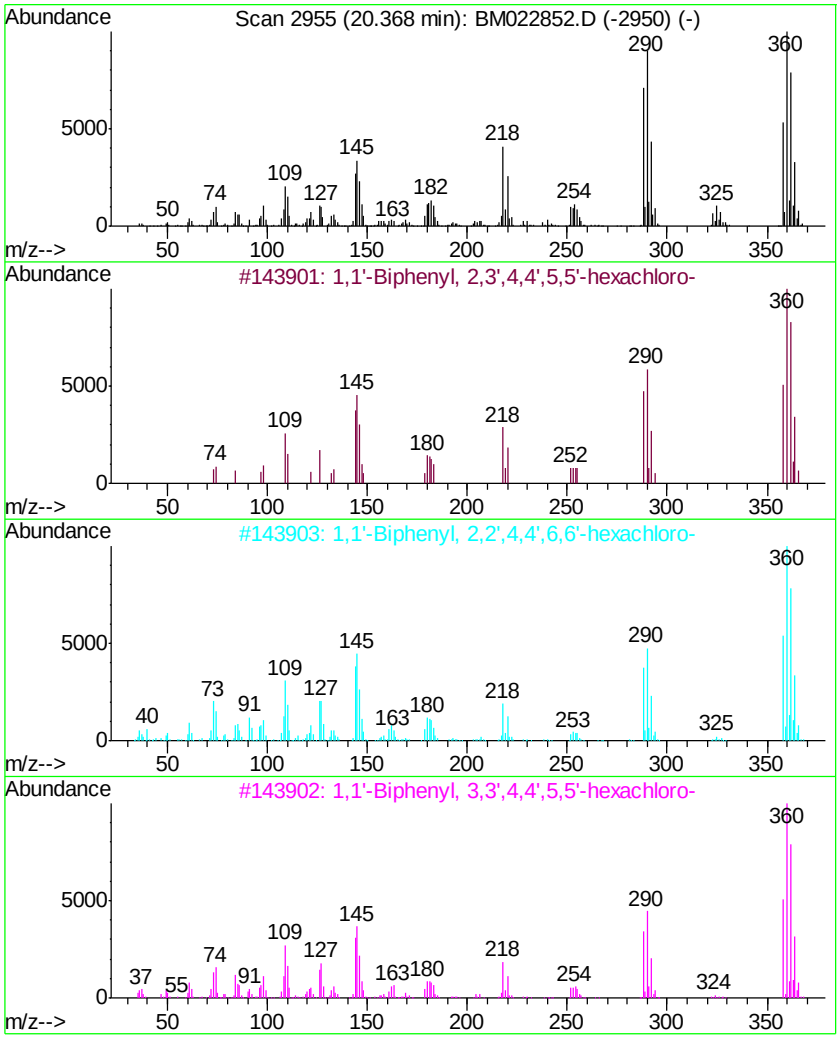
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

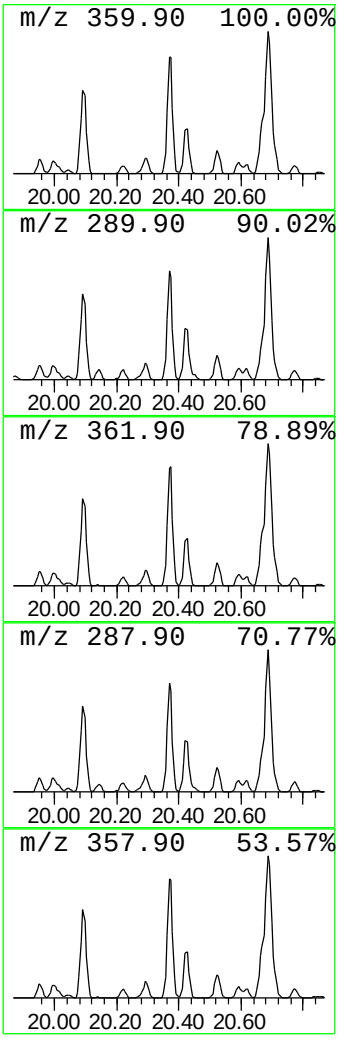
****

Peak Number 23 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	16.08 ng/ul	1759600	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

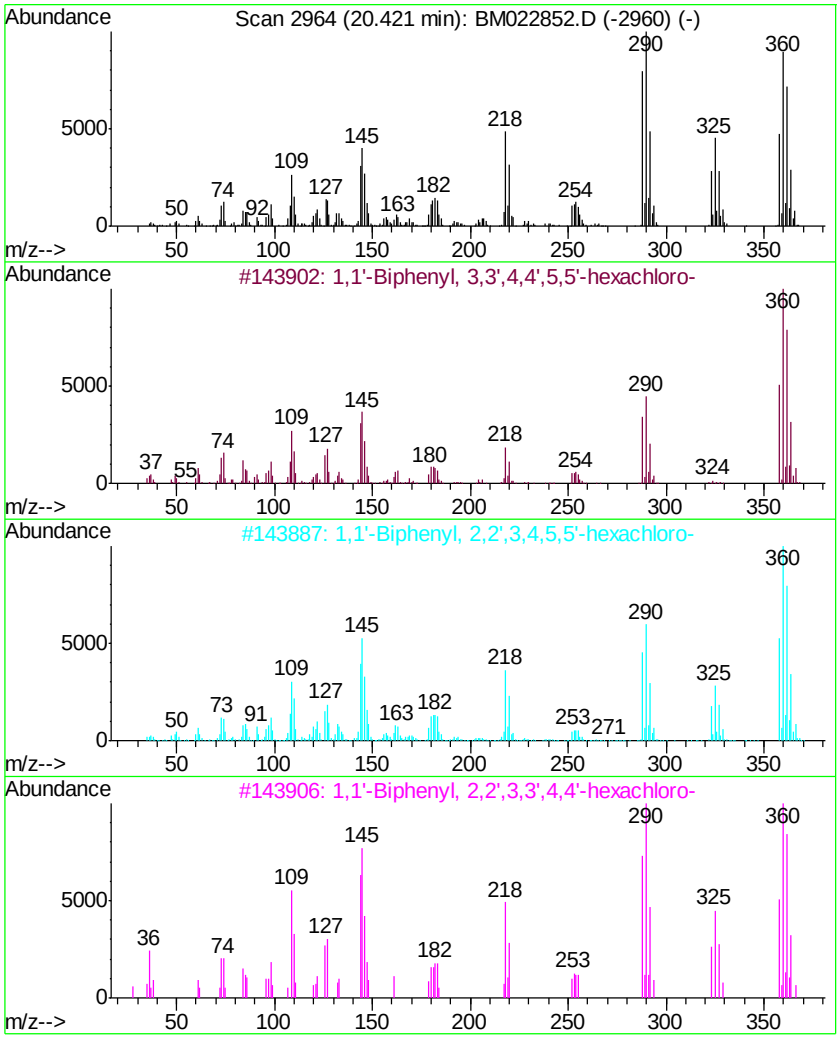
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

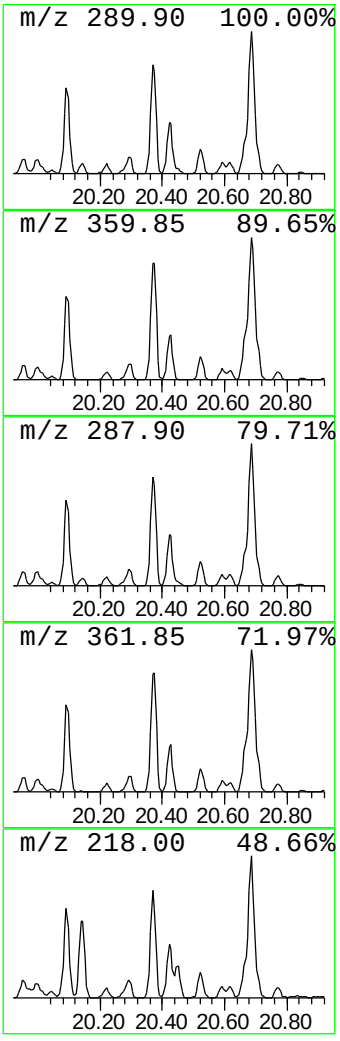
****

Peak Number 24 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	8.30 ng/ul	907936	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

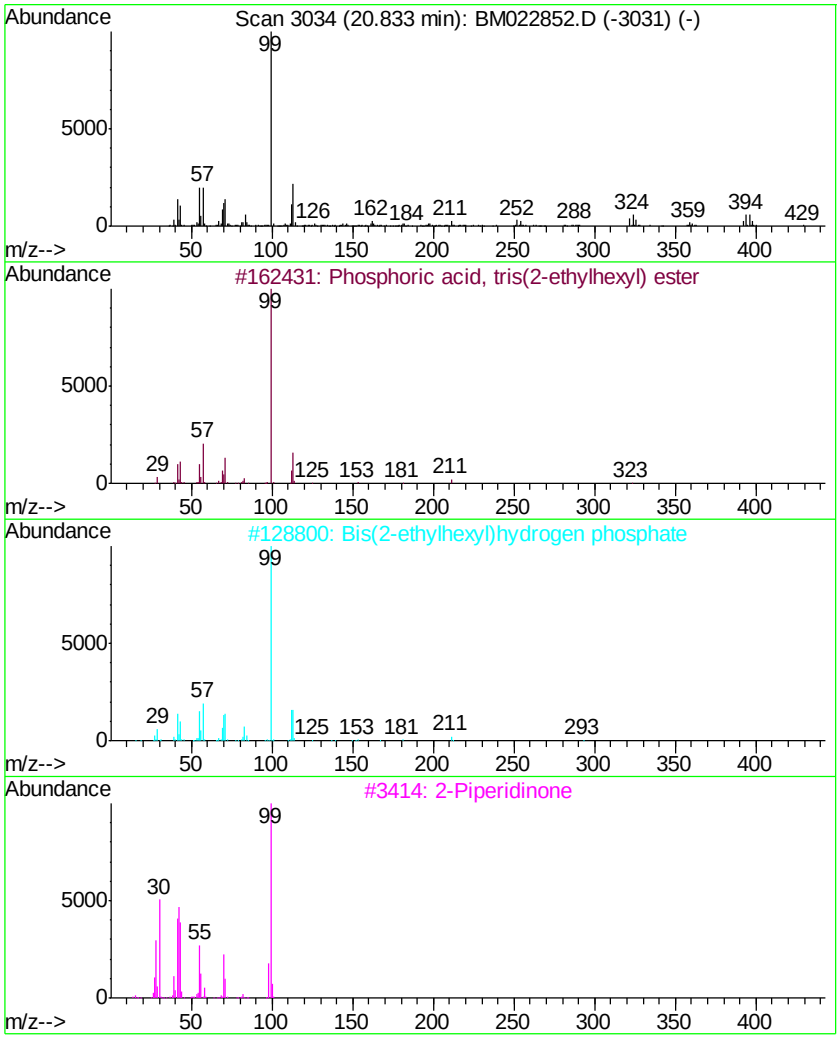
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

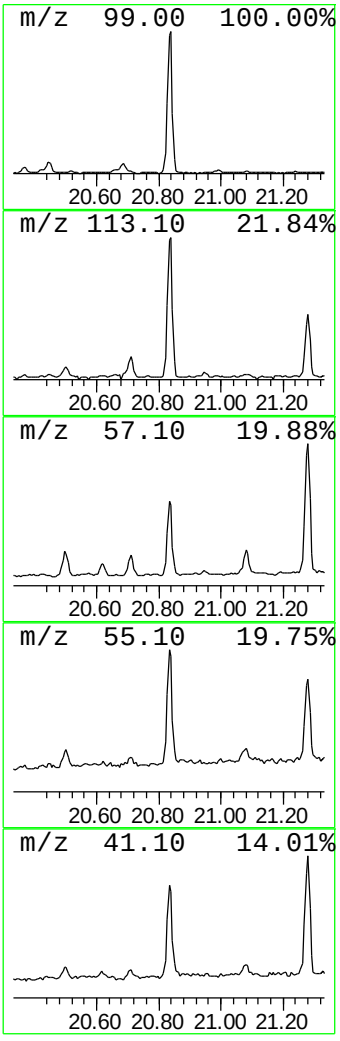
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Phosphoric acid, tris(2-eth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	3.83 ng/ul	419358	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	64
2	Bis(2-ethylhexyl)hydrogen phosphate	322	C16H35O4P	000298-07-7	53
3	2-Piperidinone	99	C5H9NO	000675-20-7	43
4	Furan, 2,5-dihydro-2,5-dimethoxy-	130	C6H10O3	000332-77-4	43
5	n-Heptyl methylphosphonofluoridate	196	C8H18FO2P	162085-82-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

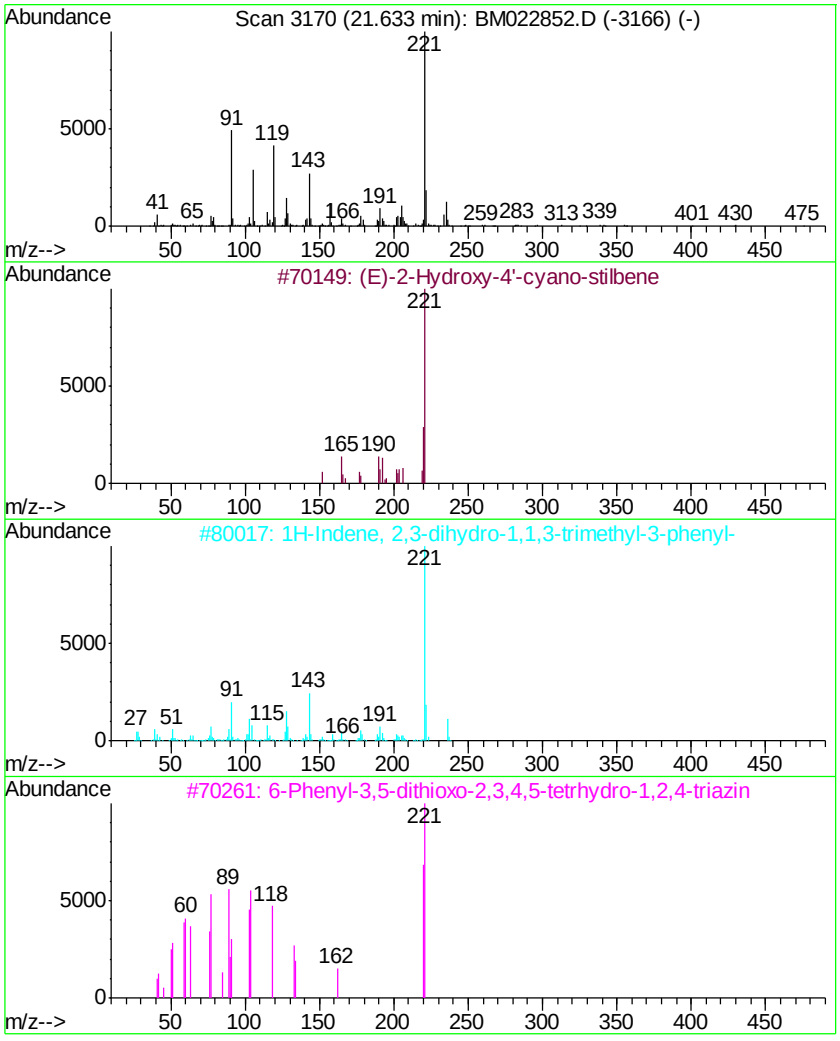
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

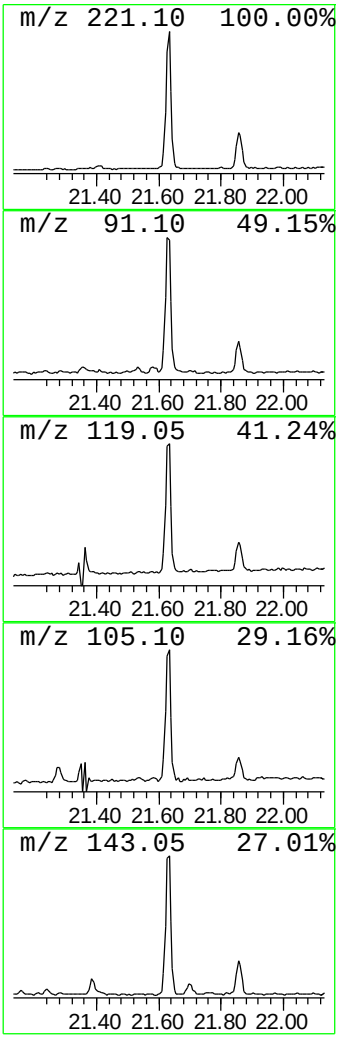
****

Peak Number 30 (E)-2-Hydroxy-4'-cyano-stil... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	4.23 ng/ul	463117	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO	1000147-85-5	53
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	53
3	6-Phenyl-3,5-dithioxo-2,3,4,5-te...	221	C9H7N3S2	038119-57-2	46
4	1-Methyl-4-phenyl-3,4-dihydroiso...	221	C16H15N	1000211-01-5	43
5	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

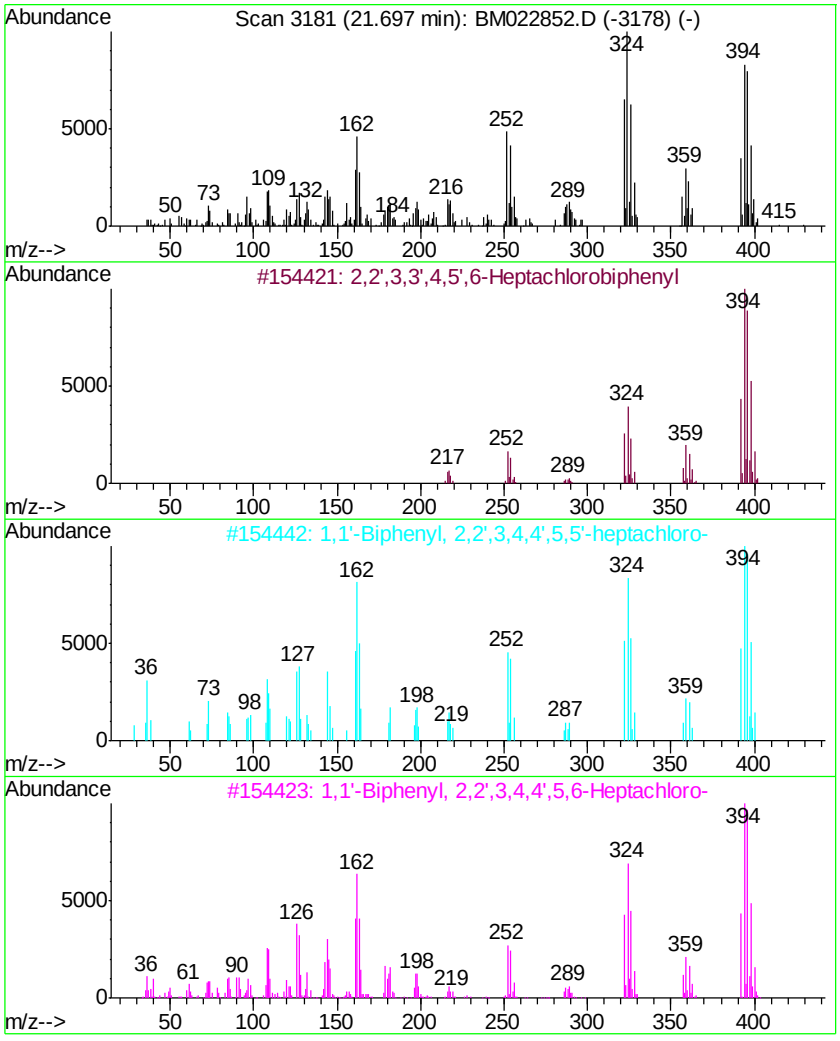
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

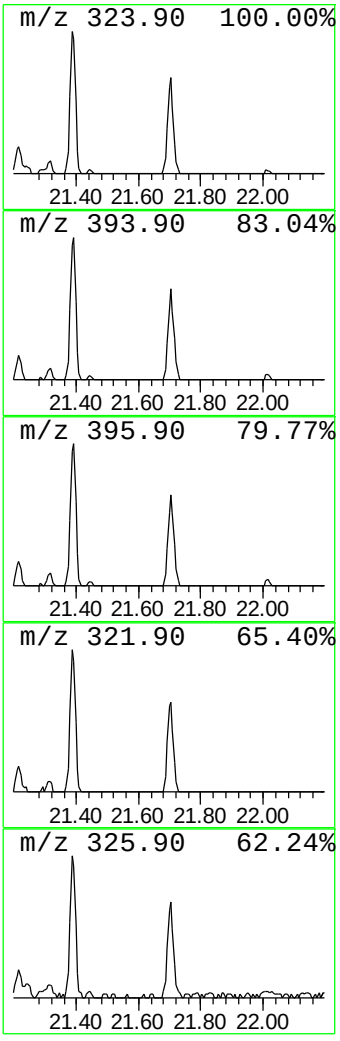
****

Peak Number 31 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.30 ng/ul	251546	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
5	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022852.D
Acq On : 01 Oct 2019 08:39
Operator : JU
Sample : K5027-09
Misc : GCMS CONFIRMATION
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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
(DEL) Alkane: Cyc...	3.02	2.1	ng/ul	175096	1	7.80	1636870	20.0
(DEL) Alkane: Str...	3.20	6.9	ng/ul	567417	1	7.80	1636870	20.0
1,1'-Biphenyl, 2,...	17.78	2.1	ng/ul	273141	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	18.25	14.8	ng/ul	1889540	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	18.31	3.5	ng/ul	451873	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	18.53	6.6	ng/ul	842647	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	18.71	2.3	ng/ul	289142	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	19.02	2.9	ng/ul	369266	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	19.07	9.1	ng/ul	1164510	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	19.10	22.1	ng/ul	2821300	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	19.18	2.9	ng/ul	371238	4	17.18	2549950	20.0
1,1'-Biphenyl, 2,...	19.38	37.3	ng/ul	4081130	5	21.36	2188180	20.0
1,1'-Biphenyl, 2,...	19.64	9.2	ng/ul	1011010	5	21.36	2188180	20.0
1,1'-Biphenyl, 2,...	19.72	16.1	ng/ul	1763520	5	21.36	2188180	20.0
1,1'-Biphenyl, 2,...	20.09	14.7	ng/ul	1603950	5	21.36	2188180	20.0
1,1'-Biphenyl, 2,...	20.14	28.6	ng/ul	3127440	5	21.36	2188180	20.0
1,1'-Biphenyl, 2,...	20.37	16.1	ng/ul	1759600	5	21.36	2188180	20.0
1,1'-Biphenyl, 3,...	20.42	8.3	ng/ul	907936	5	21.36	2188180	20.0
Phosphoric acid, ...	20.83	3.8	ng/ul	419358	5	21.36	2188180	20.0
(E)-2-Hydroxy-4'-...	21.63	4.2	ng/ul	463117	5	21.36	2188180	20.0
2,2',3,3',4,5',6-...	21.70	2.3	ng/ul	251546	5	21.36	2188180	20.0