LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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	14	rVB	142382	163191	0.35%	0.029%
2	3.193	31	35	40	rVB	491334	511235	1.10%	0.090%
3	4.457	244	250	258	rVB	265047	341213	0.73%	0.060%
4	6.963	669	676	682	rVB	67730	94685	0.20%	0.017%
5	7.804	812	819	829	rBV	1011523	1550553	3.34%	0.272%
6	10.598	1286	1294	1306	rBV	1384951	2346299	5.05%	0.411%
7	14.439	1939	1947	1956	rBV	2241562	3268423	7.04%	0.573%
8	16.716	2329	2334	2337	rBV	43171	72083	0.16%	0.013%
9	16.751	2337	2340	2348	rVB	84060	130895	0.28%	0.023%
10	16.827	2349	2353	2361	rVV	72794	110367	0.24%	0.019%
11	17.063	2388	2393	2396	rBV	117958	170212	0.37%	0.030%
12	17.098	2396	2399	2403	rVB	51896	62029	0.13%	0.011%
13	17.180	2406	2413	2426	rBV2	2450980	3620583	7.80%	0.635%
14	17.357	2438	2443	2450	rBV3	200542	338533	0.73%	0.059%
15	17.780	2509	2515	2522	rVB	484921	803946	1.73%	0.141%
16	17.892	2529	2534	2542	rBV2	615024	872038	1.88%	0.153%
17	17.974	2544	2548	2552	rBV2	65553	86688	0.19%	0.015%
18	18.027	2553	2557	2562	rBV2	234571	337019	0.73%	0.059%
19	18.080	2562	2566	2573	rVB2	236850	361418	0.78%	0.063%
20	18.192	2581	2585	2589	rBV	99875	158543	0.34%	0.028%
21	18.262	2589	2597	2601	rVV	19374904	32032149	68.97%	5.614%
22	18.315	2601	2606	2610	rVV	7066971	8827687	19.01%	1.547%
23	18.357	2610	2613	2619	rVB	1413814	1669589	3.59%	0.293%
24	18.539	2638	2644	2649	rBV	11910988	16059513	34.58%	2.815%
25	18.586	2649	2652	2657	rVV	846266	1035372	2.23%	0.181%
26	18.633	2657	2660	2663	rVV	95835	142253	0.31%	0.025%
27	18.674	2663	2667	2670	rVV	907315	1292813	2.78%	0.227%
28	18.710	2670	2673	2679	rVV	4022362	5053536	10.88%	0.886%
29	18.780	2680	2685	2687	rVV	425462	581115	1.25%	0.102%
30	18.810	2687	2690	2695	rVV	654790	878695	1.89%	0.154%
31	18.862	2696	2699	2706	rVB2	79568	134553	0.29%	0.024%
32	18.957	2711	2715	2720	rBV2	349890	497810	1.07%	0.087%
33	19.021	2721	2726	2730	rBV	4173184	5843102	12.58%	1.024%
34	19.109	2730	2741	2748	rVV3	19727803	46445772	100.00%	8.140%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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	19.186	2749	2754	2760	rVB	6279063	7560585	16.28%	1.325%
36	19.315	2770	2776	2783	rBV2	8613909	14511853	31.24%	2.543%
37	19.398	2783	2790	2795	rVB2	19203782	45750950	98.50%	8.019%
38	19.457	2795	2800	2805	rVB	16962554	22851966	49.20%	4.005%
39	19.521	2805	2811	2816	rBV	724239	844773	1.82%	0.148%
40	19.574	2816	2820	2826	rVB	2508217	3043152	6.55%	0.533%
41	19.651	2827	2833	2838	rBV	13729813	18421141	39.66%	3.229%
42	19.733	2838	2847	2851	rBV	17826057	27511082	59.23%	4.822%
43	19.780	2851	2855	2858	rBV	8552888	10107599	21.76%	1.772%
44	19.845	2858	2866	2870	rVB2	19593942	42613823	91.75%	7.469%
45	19.880	2870	2872	2880	rVB	322743	346020	0.74%	0.061%
46	19.956	2880	2885	2887	rBV	4292580	6069995	13.07%	1.064%
47	19.980	2887	2889	2891	rVB	2614291	2099178	4.52%	0.368%
48	20.051	2898	2901	2904	rVB	2102609	2186749	4.71%	0.383%
49	20.098	2904	2909	2913	rVV2	16483924	24604700	52.98%	4.312%
50	20.156	2913	2919	2923	rVB2	19894352	35710753	76.89%	6.259%
51	20.227	2924	2931	2935	rVB	2413682	3118795	6.71%	0.547%
52	20.292	2935	2942	2950	rVB2	4519265	7655659	16.48%	1.342%
53	20.380	2951	2957	2961	rBV	17115822	25511442	54.93%	4.471%
54	20.433	2961	2966	2968	rBV	11069191	16191991	34.86%	2.838%
55	20.462	2968	2971	2975	rVB	16140641	19294293	41.54%	3.382%
56	20.527	2977	2982	2988	rBV	5684575	7190452	15.48%	1.260%
57	20.592	2989	2993	2996	rBV	2708598	3783864	8.15%	0.663%
58	20.621	2996	2998	3002	rVB2	2526688	2482069	5.34%	0.435%
59	20.698	3002	3011	3017	rBV2	18370290	41712453	89.81%	7.311%
60	20.774	3020	3024	3028	rVB	2366547	2611358	5.62%	0.458%
61	20.839	3030	3035	3041	rVB2	1469806	2060656	4.44%	0.361%
62	20.898	3041	3045	3055	rVB2	1117110	1445913	3.11%	0.253%
63	20.992	3056	3061	3066	rBV	9725114	11996913	25.83%	2.103%
64	21.033	3066	3068	3072	rVB	141635	131467	0.28%	0.023%
65	21.103	3076	3080	3085	rVB	1680604	1993931	4.29%	0.349%
66	21.156	3085	3089	3094	rVB	1091447	1242579	2.68%	0.218%
67	21.215	3095	3099	3100	rBV	756121	909008	1.96%	0.159%
68	21.239	3100	3103	3108	rVV	4584473	5414769	11.66%	0.949%
69	21.292	3108	3112	3119	rVB3	1142374	1726096	3.72%	0.303%
70	21.356	3119	3123	3126	rBV	2013843	2761822	5.95%	0.484%
71	21.386	3126	3128	3134	rVB	3917292	4317952	9.30%	0.757%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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	21.627	3167	3169	3173	rVB	155604	170129	0.37%	0.030%
73	21.698	3177	3181	3188	rBV	2570832	3445161	7.42%	0.604%
74	21.762	3189	3192	3198	rVB3	216379	283155	0.61%	0.050%
75	21.827	3200	3203	3207	rBV	247634	306295	0.66%	0.054%
76	22.398	3298	3300	3307	rVB4	223292	359076	0.77%	0.063%
77	23.621	3502	3508	3516	rVB	1205546	2308482	4.97%	0.405%

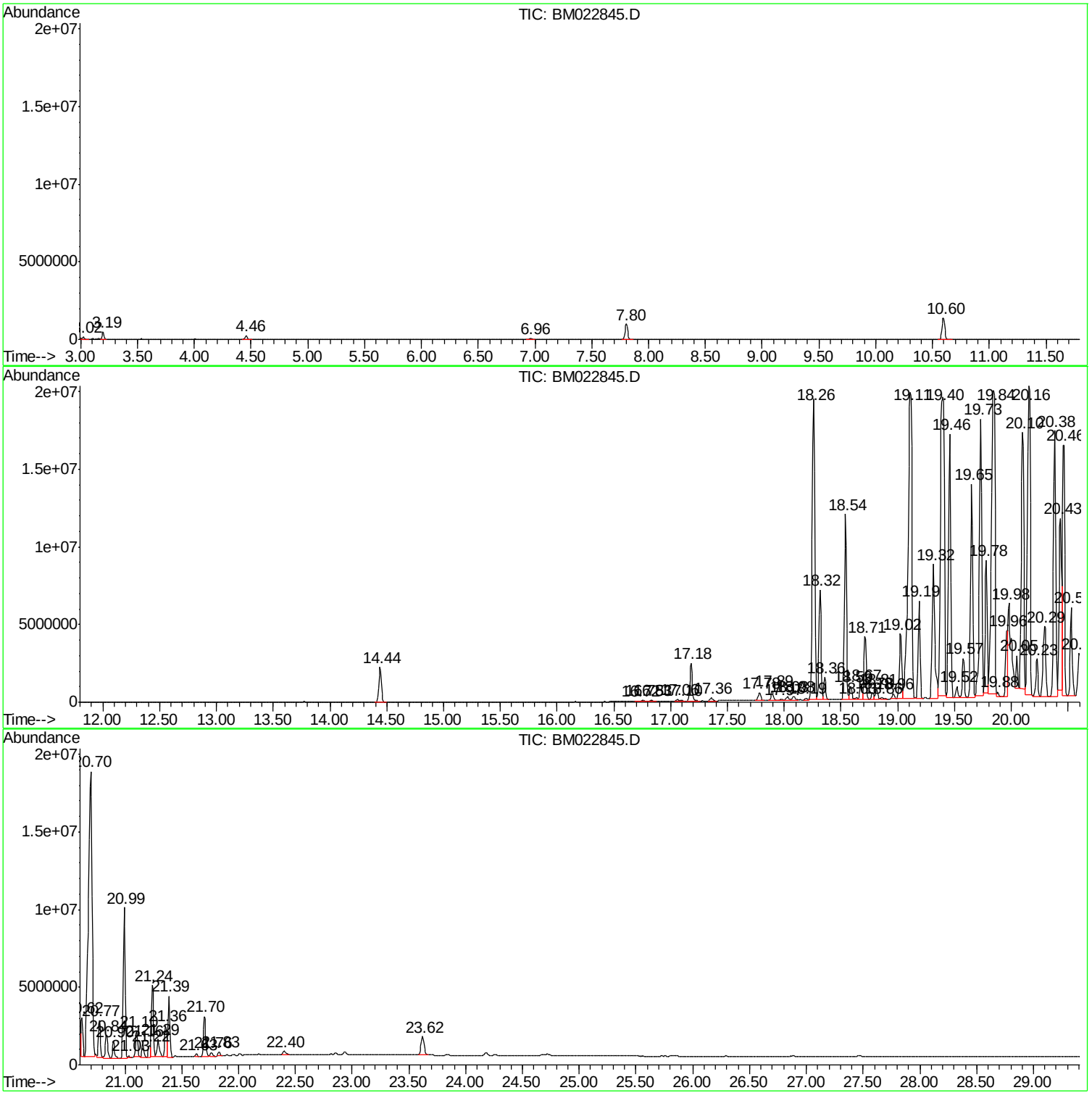
Sum of corrected areas: 570554011

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AW4

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 : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

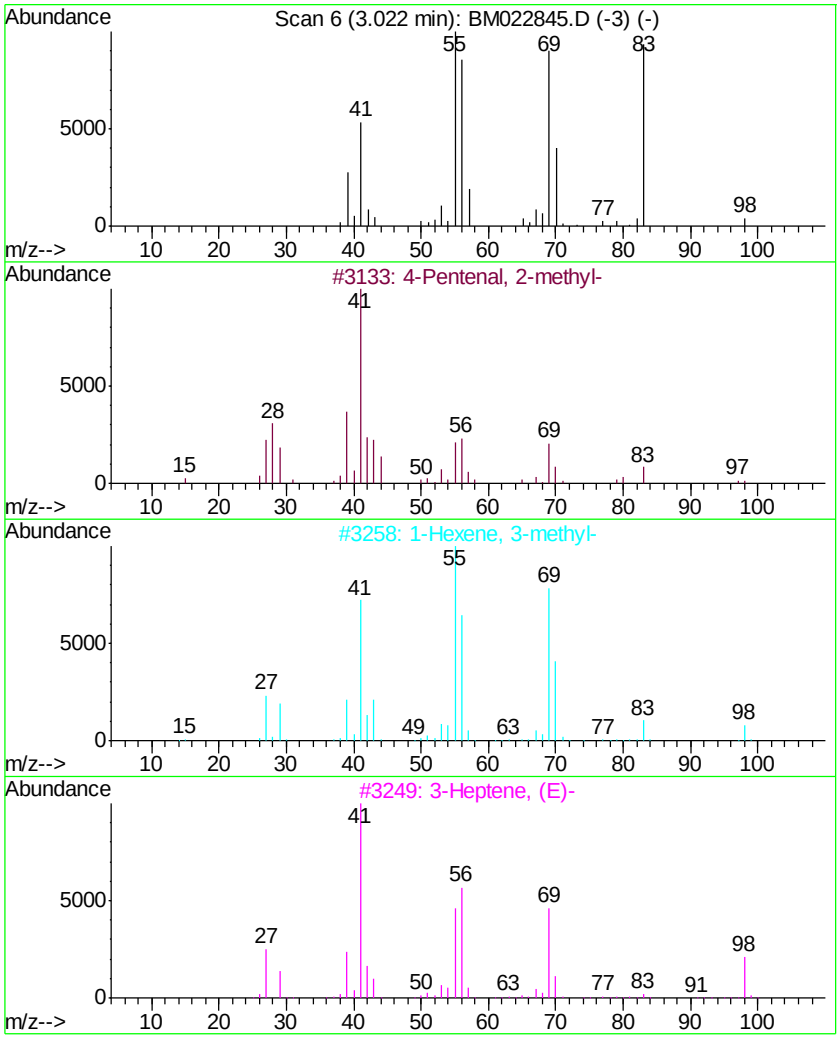
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

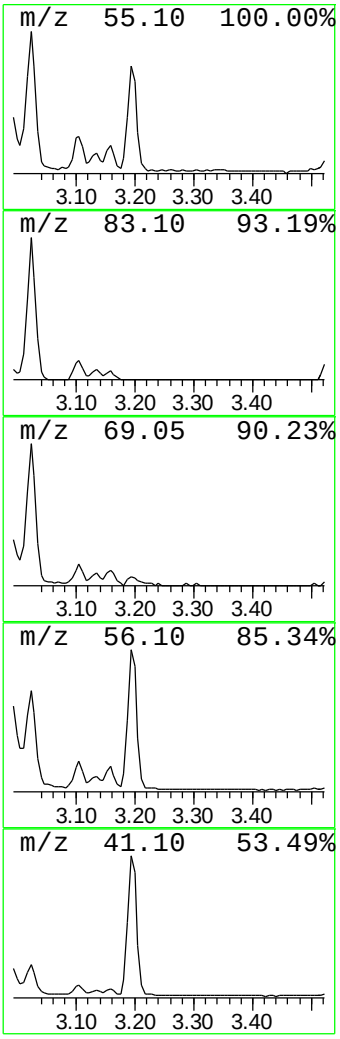
****

Peak Number 1 4-Pentenal, 2-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.10 ng/ul	163191	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	59
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	47
3	3-Heptene, (E)-	98	C7H14	014686-14-7	47
4	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	42
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

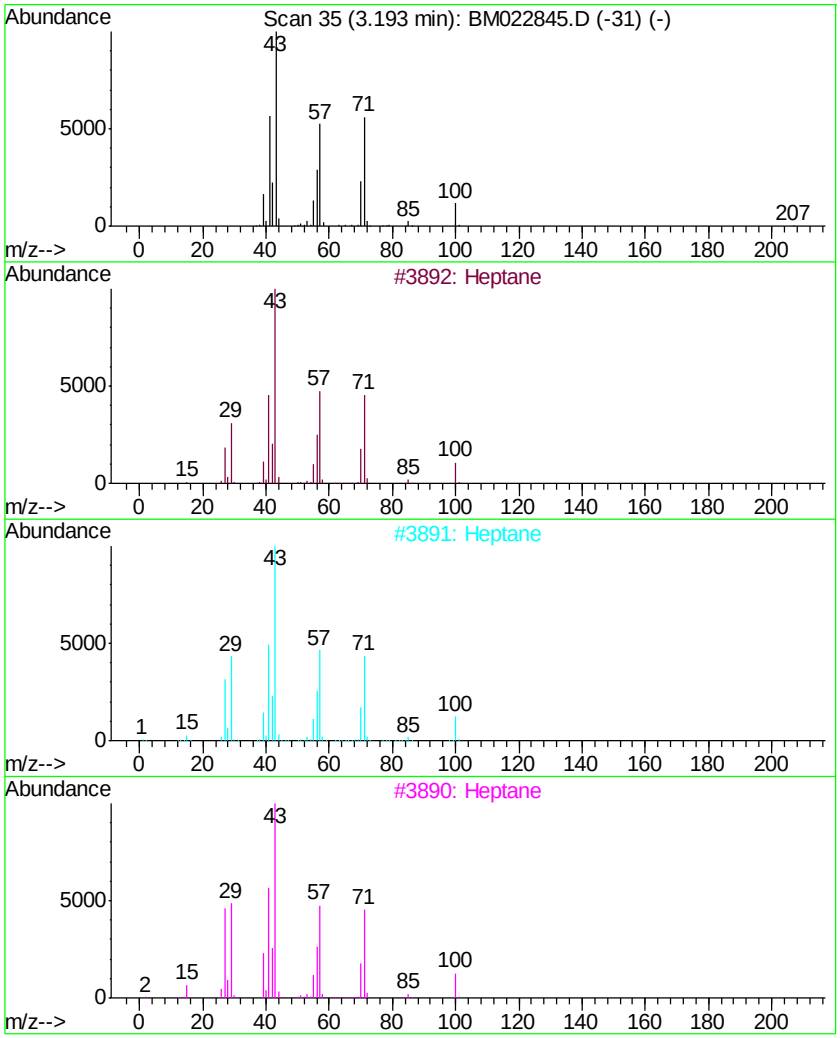
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

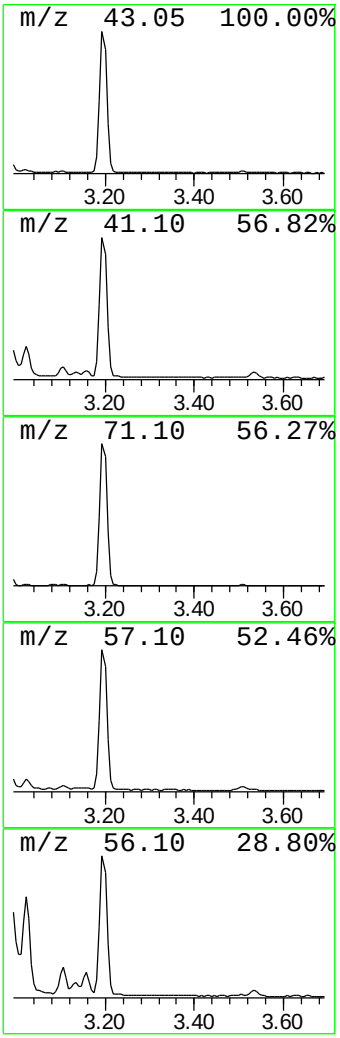
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.59 ng/ul	511235	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	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

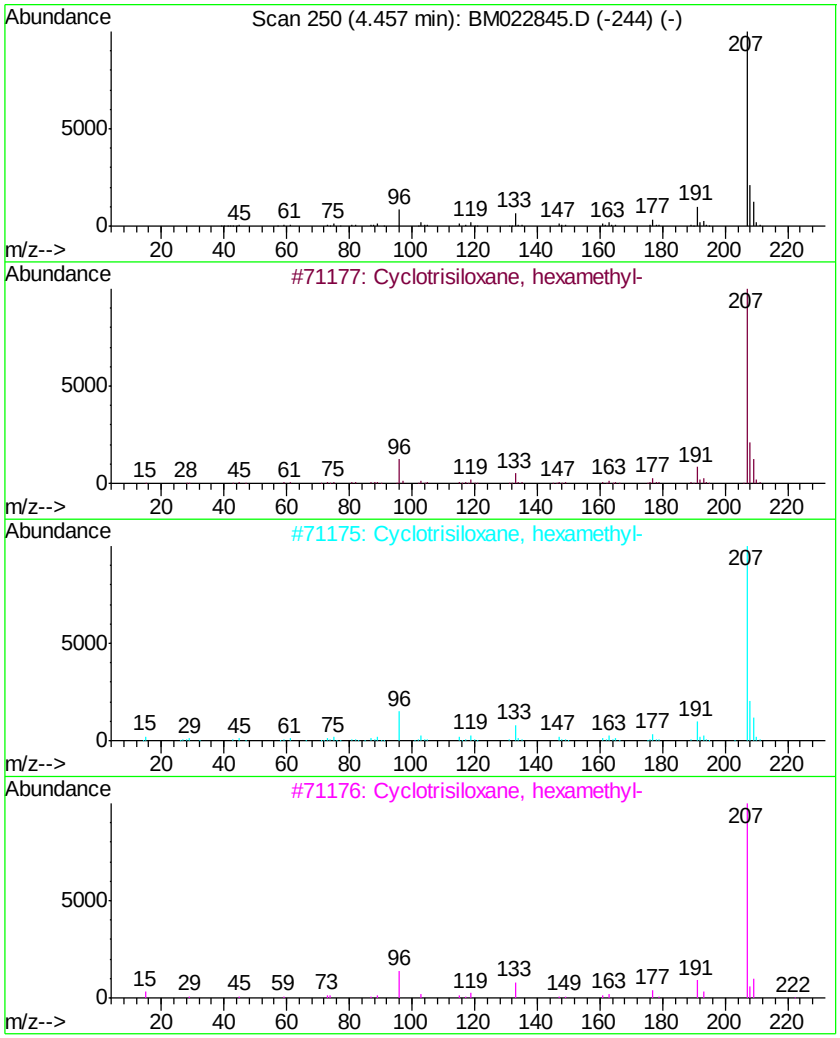
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

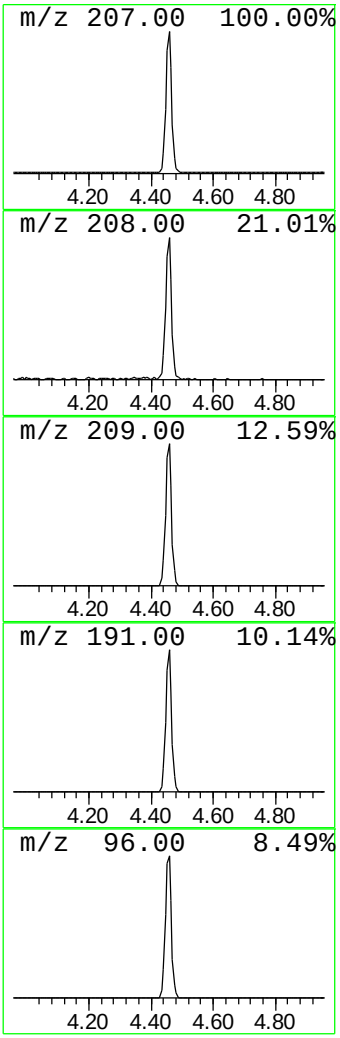
****

Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	4.40 ng/ul	341213	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	91
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	49
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	46
4	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	39
5	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	39





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

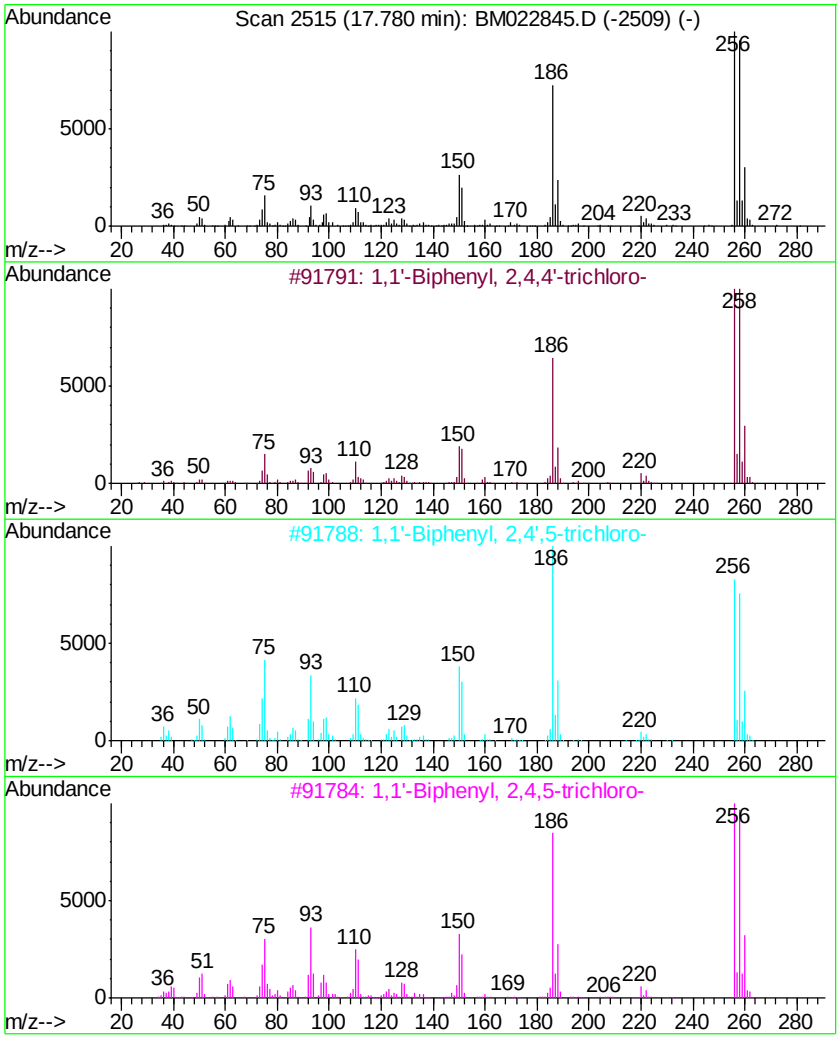
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

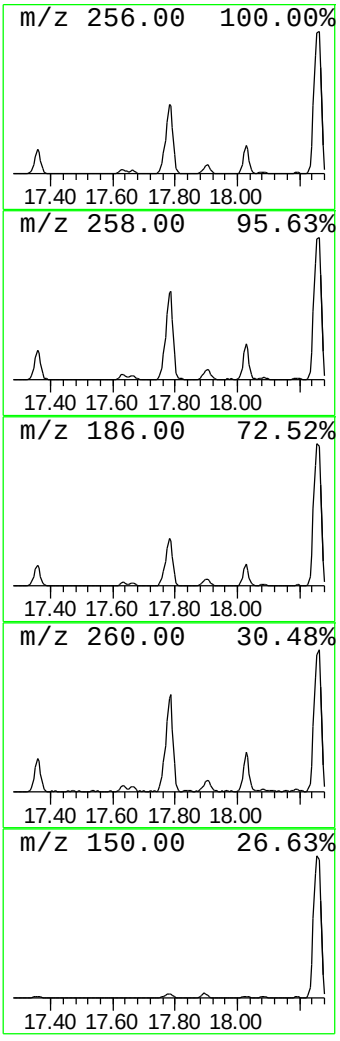
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	4.44 ng/ul	803946	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	99
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
4	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	98
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

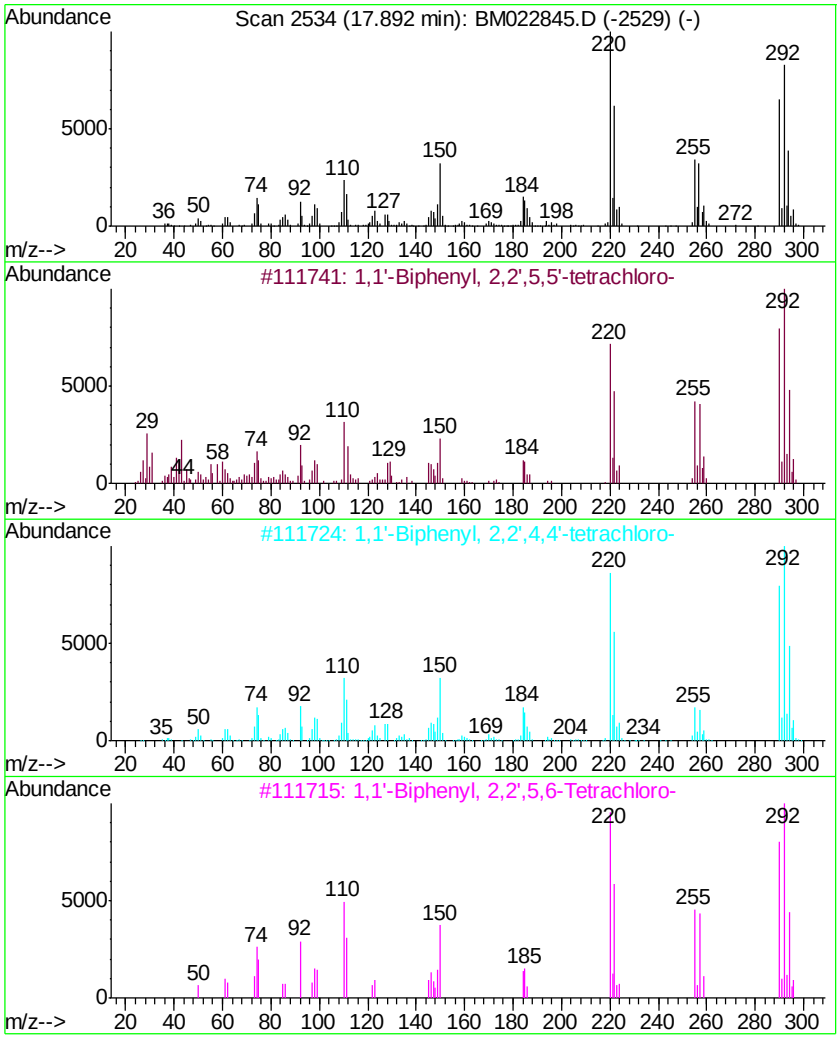
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

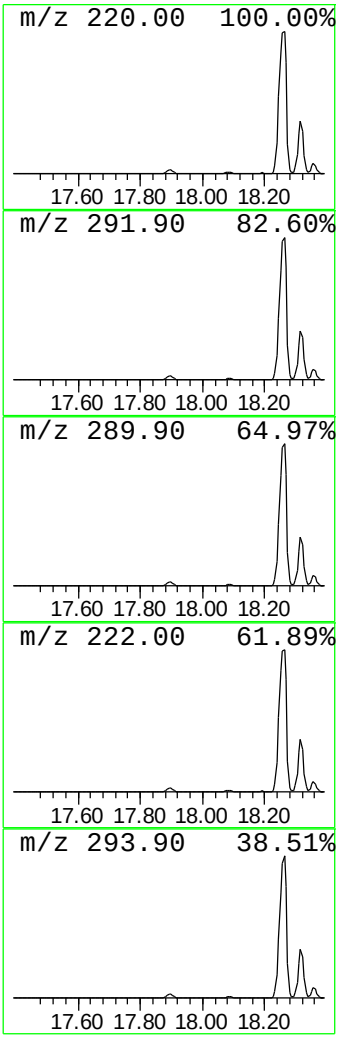
****

Peak Number 5 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.82 ng/ul	872038	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, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

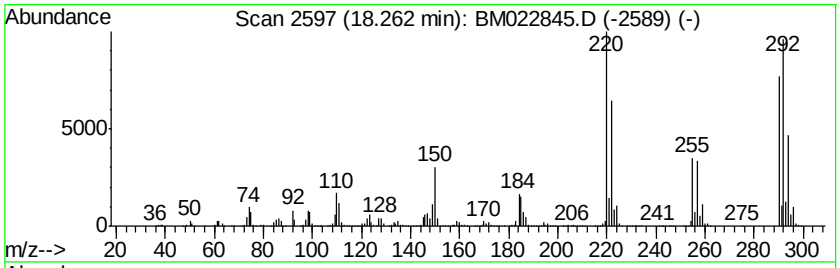
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

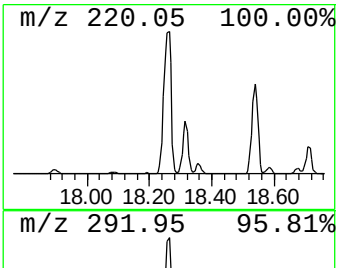
****

Peak Number 6 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	176.95 ng/ul	32032100	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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

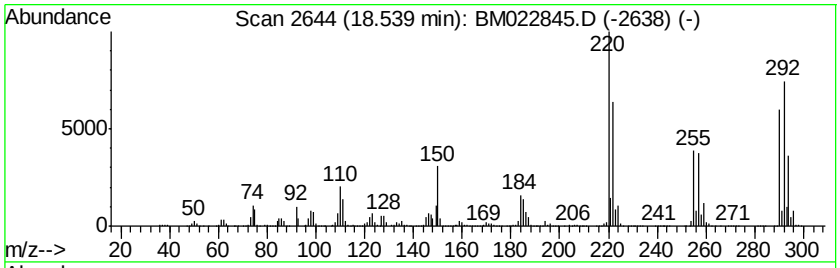
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

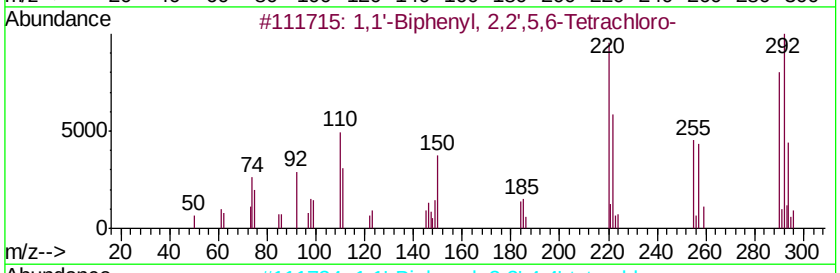
****

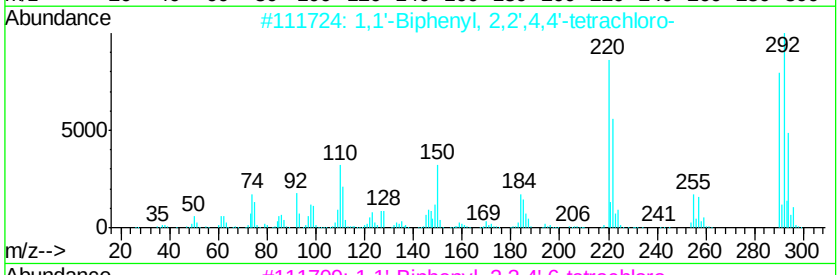
Peak Number 9 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 15

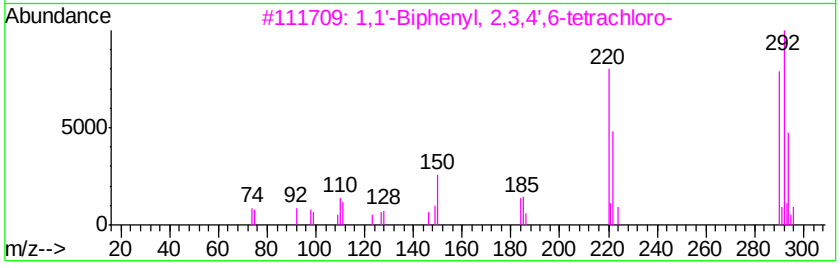
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	88.71 ng/ul	16059500	Phenanthrene-d10	17.18

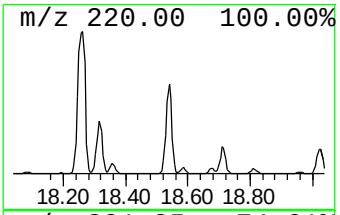
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99

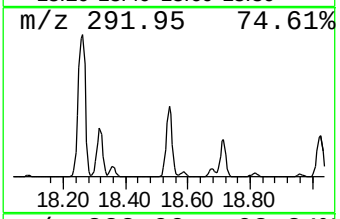


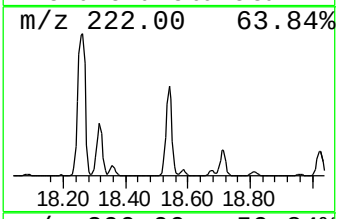


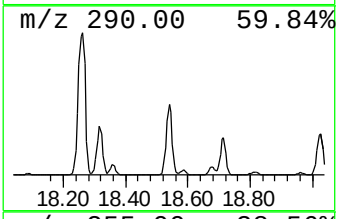


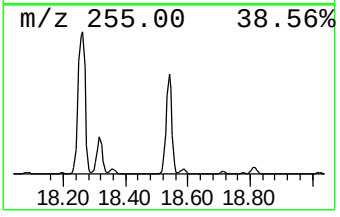












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

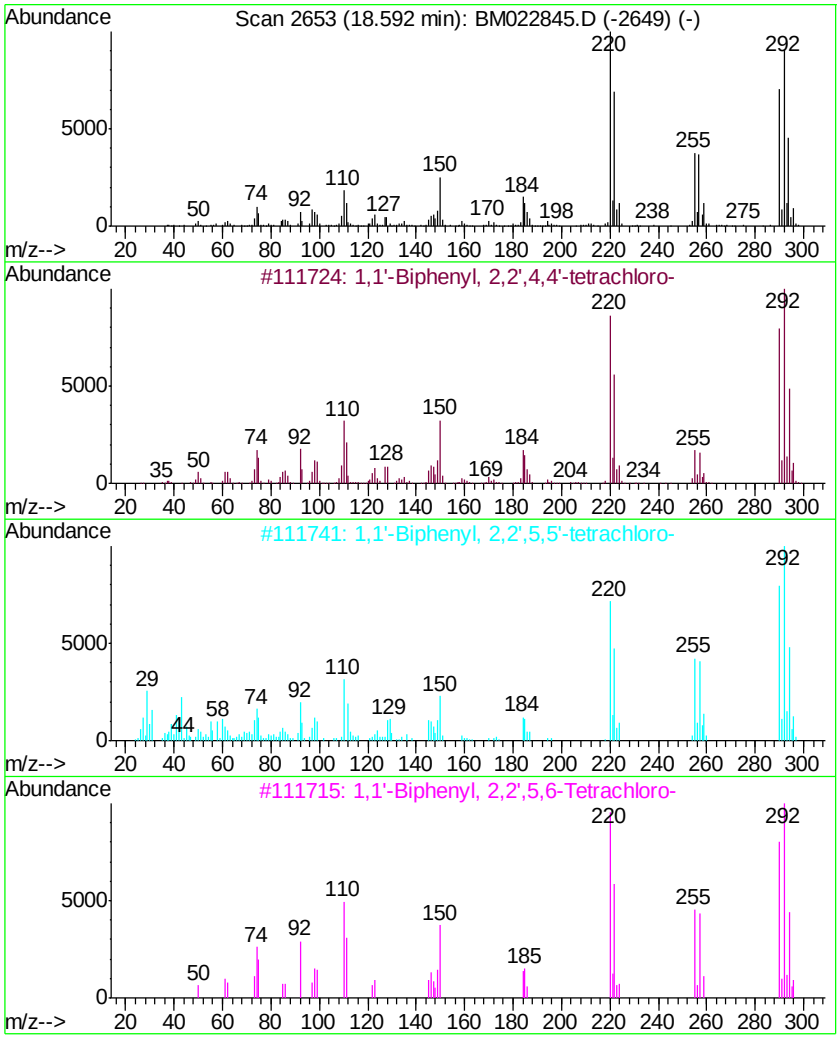
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

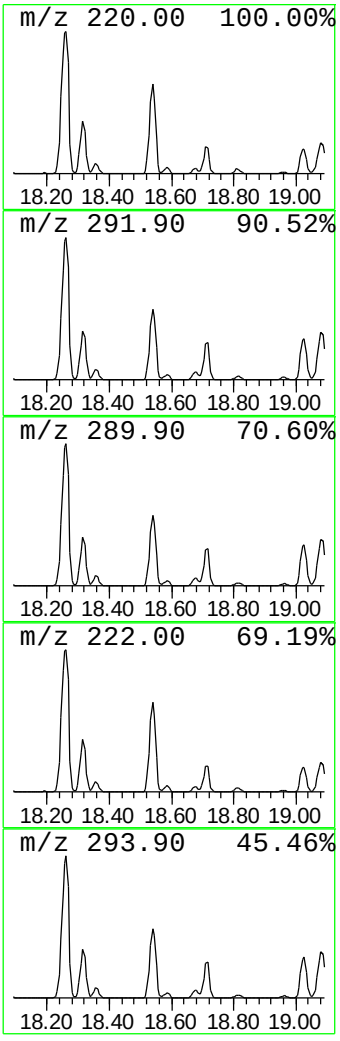
****

Peak Number 10 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	5.72 ng/ul	1035370	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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

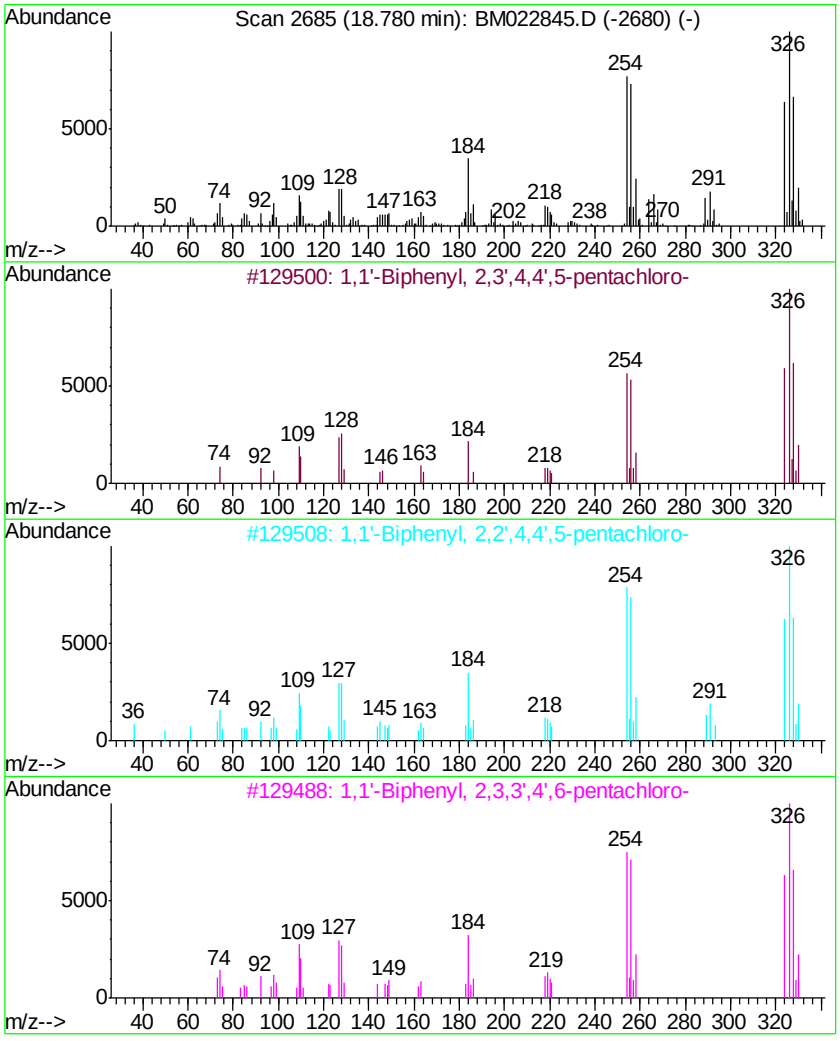
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

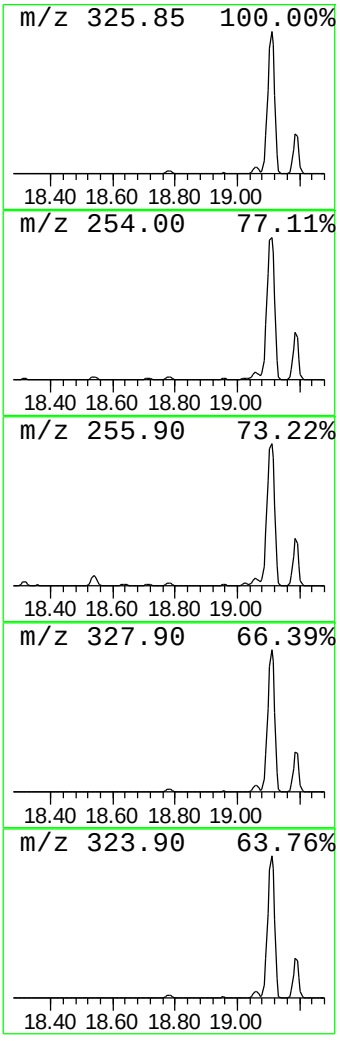
****

Peak Number 13 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	3.21 ng/ul	581115	Phenanthrene-d10	17.18

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, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

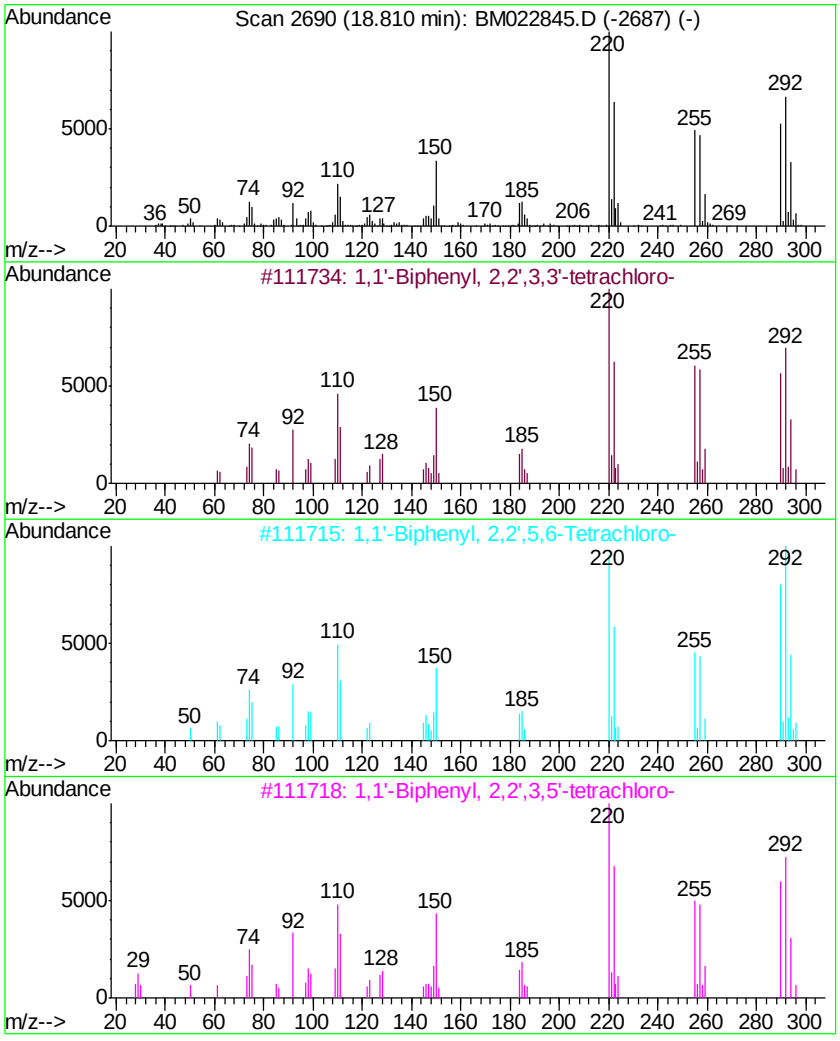
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

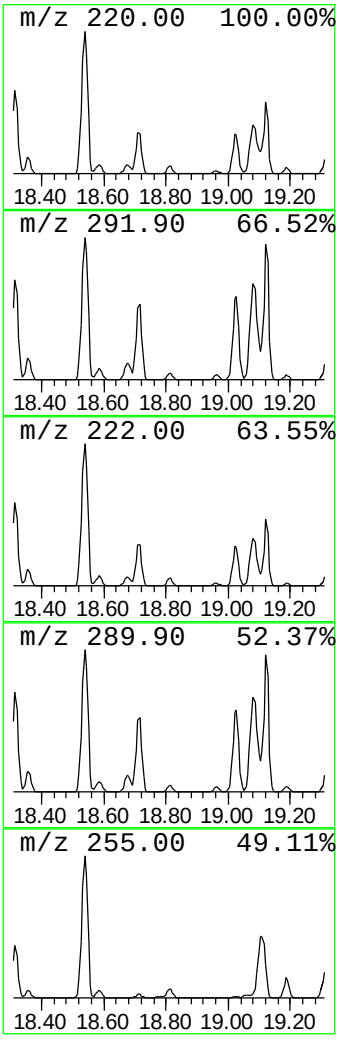
****

Peak Number 14 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	4.85 ng/ul	878695	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	96
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	96
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

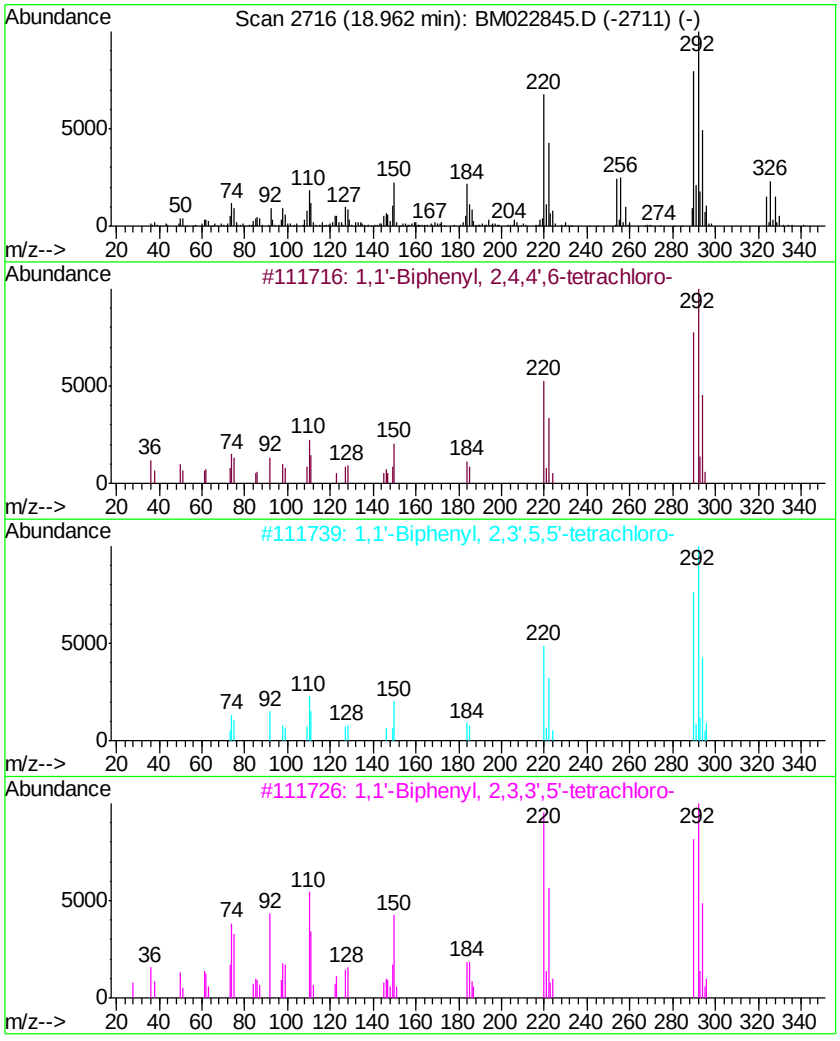
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

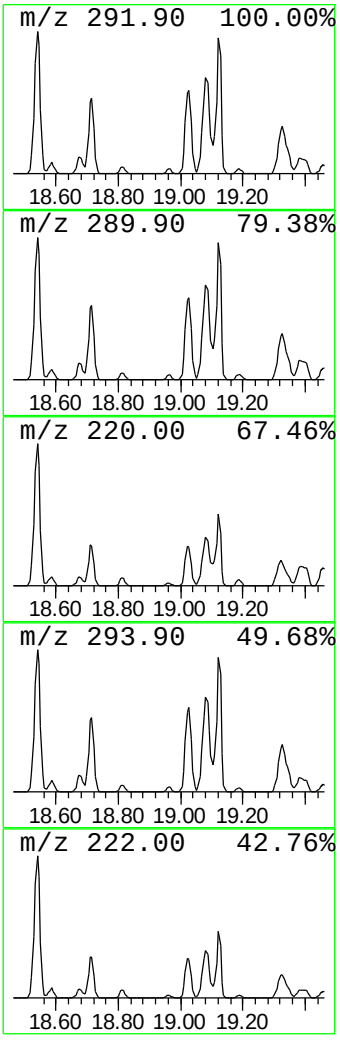
****

Peak Number 15 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.75 ng/ul	497810	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

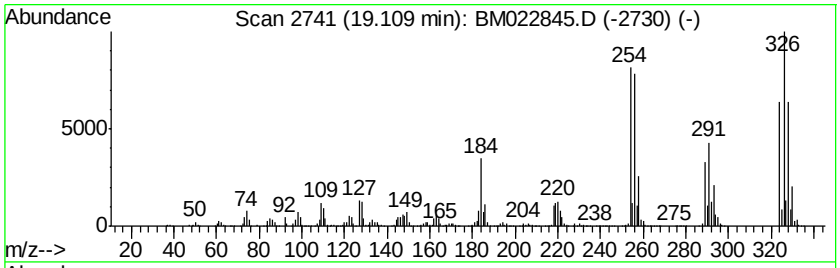
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

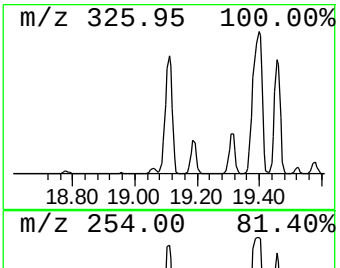
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	256.57 ng/ul	46445800	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

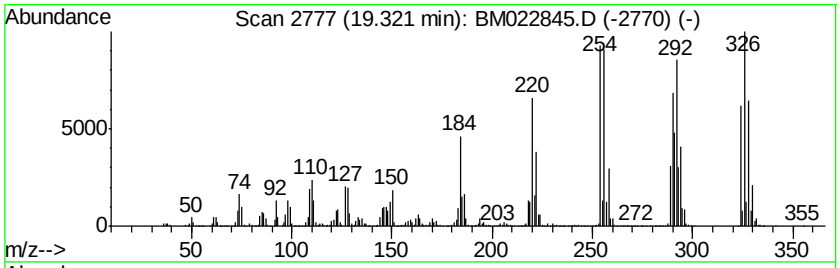
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

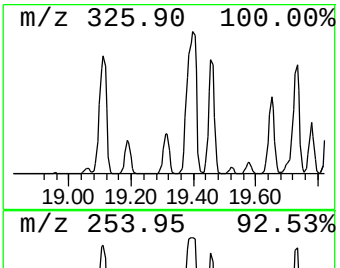
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	105.09 ng/ul	14511900	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

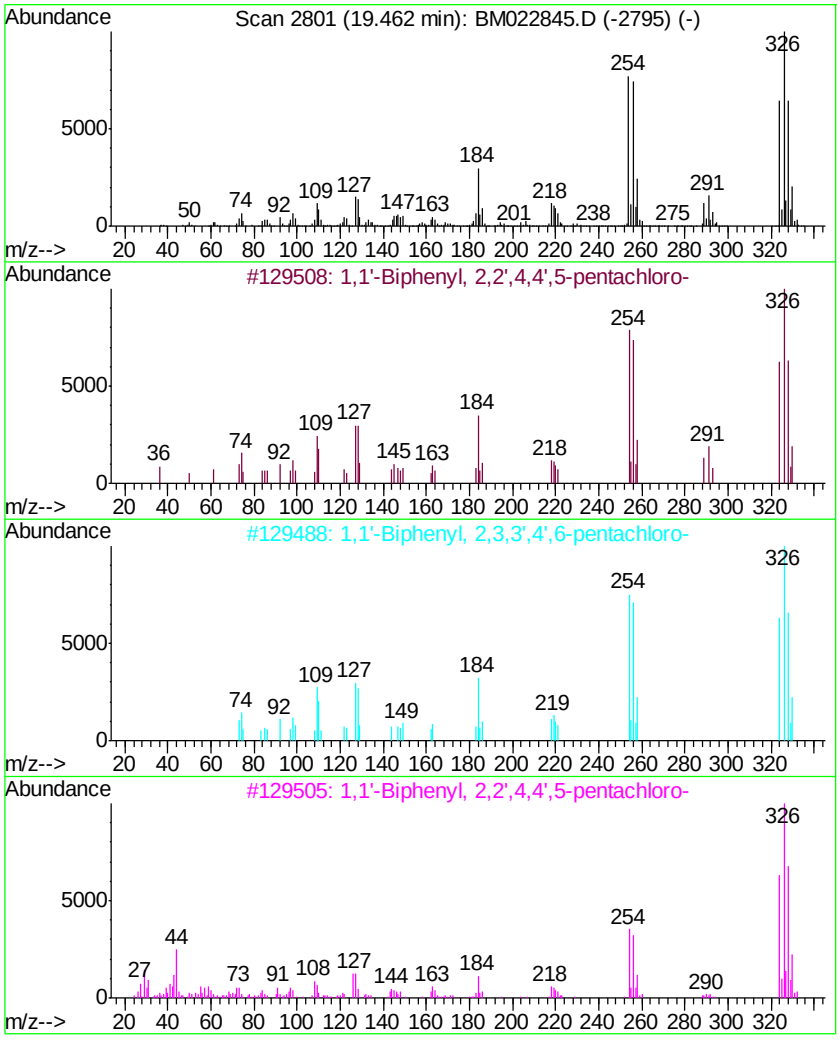
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

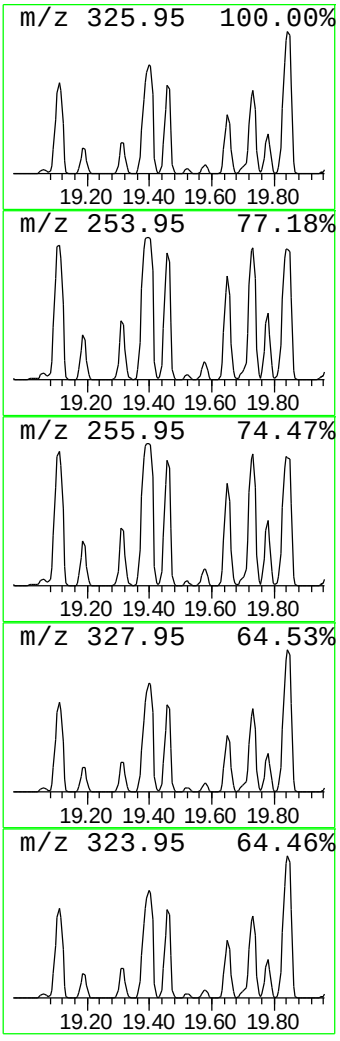
****

Peak Number 21 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	165.49 ng/ul	22852000	Chrysene-d12	21.36

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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
5	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

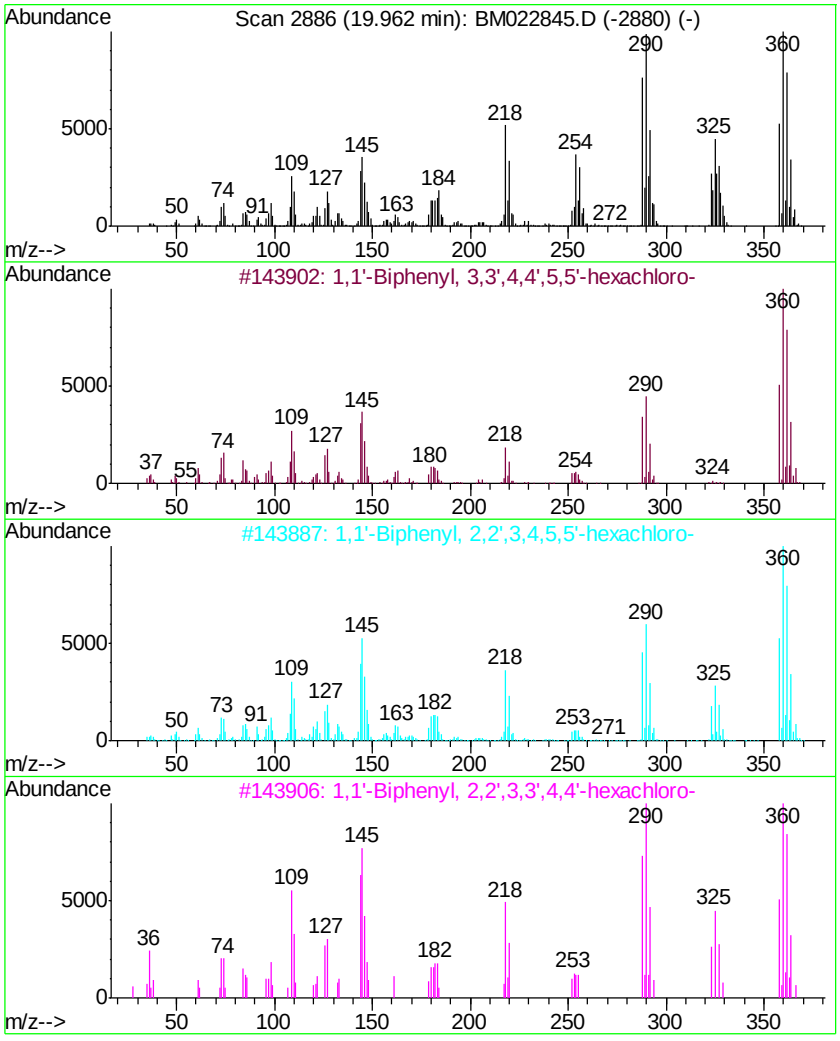
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

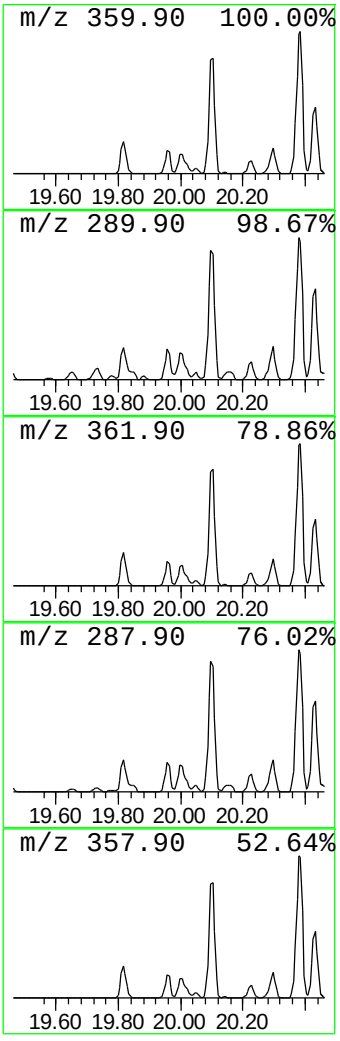
****

Peak Number 29 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	43.96 ng/ul	6070000	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',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	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 : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

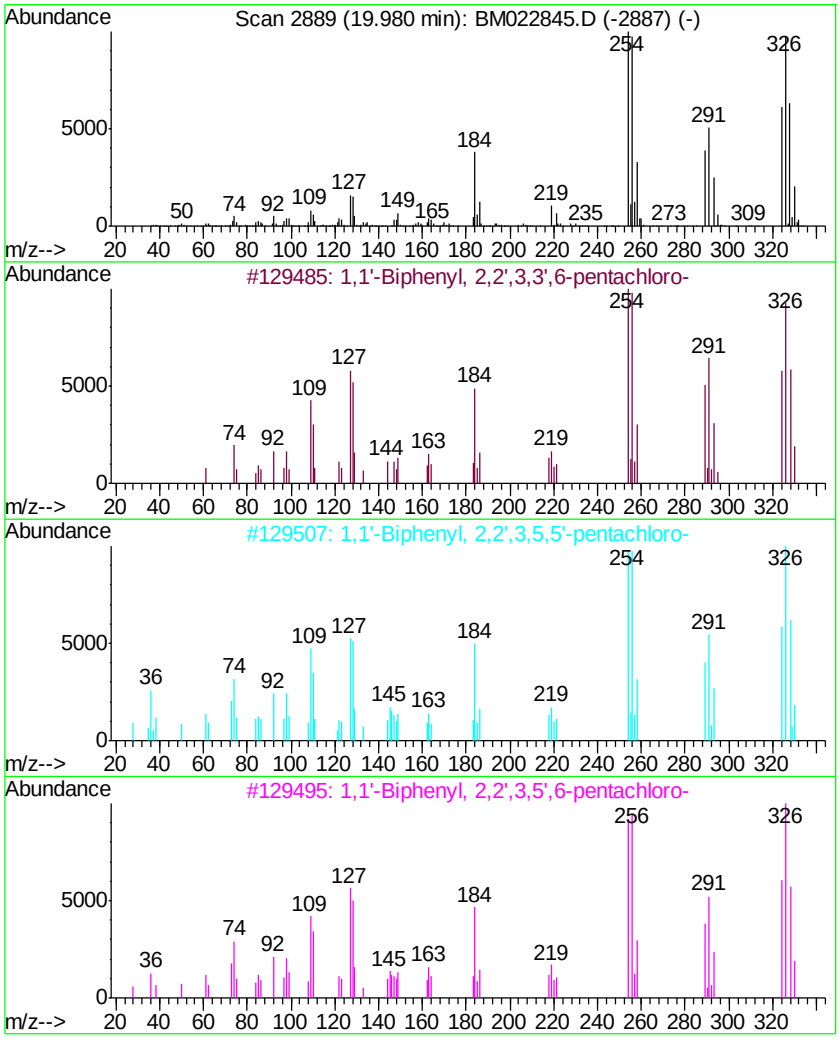
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

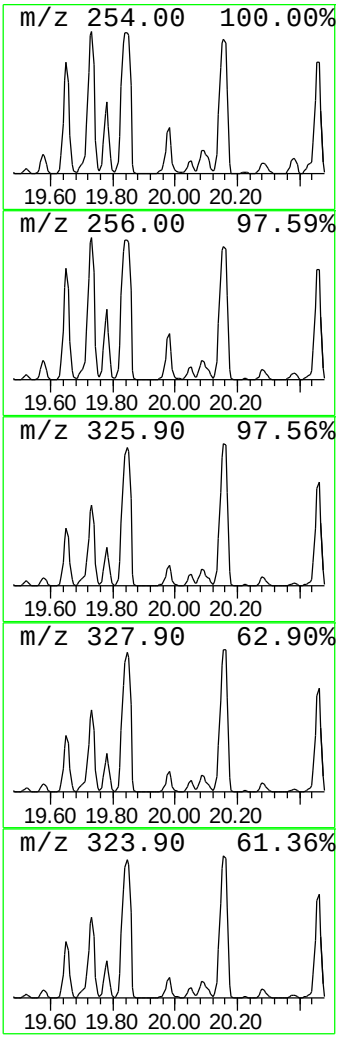
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	15.20 ng/ul	2099180	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
4	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	98
5	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

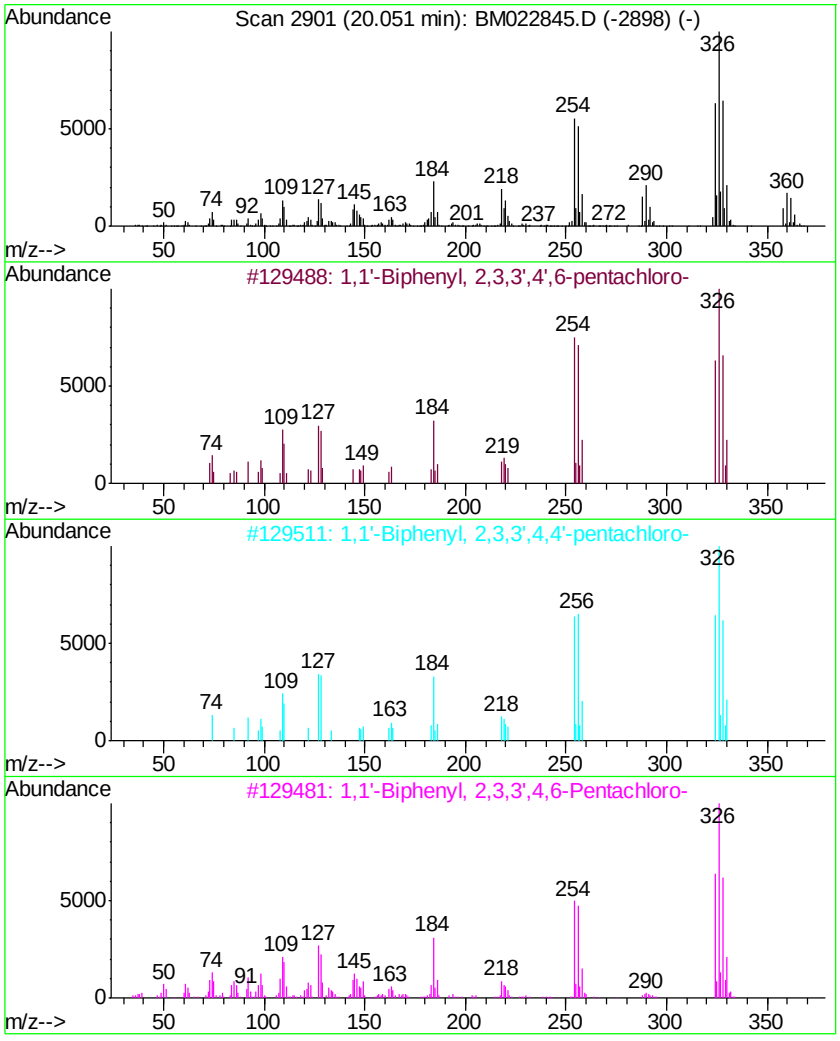
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

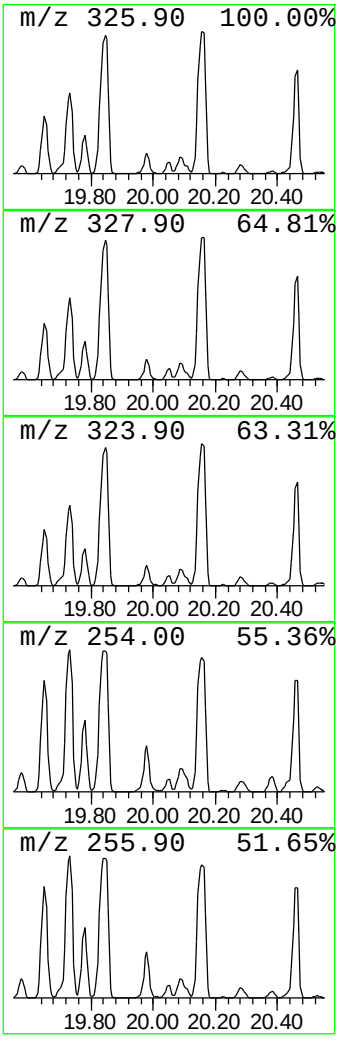
****

Peak Number 31 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	15.84 ng/ul	2186750	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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

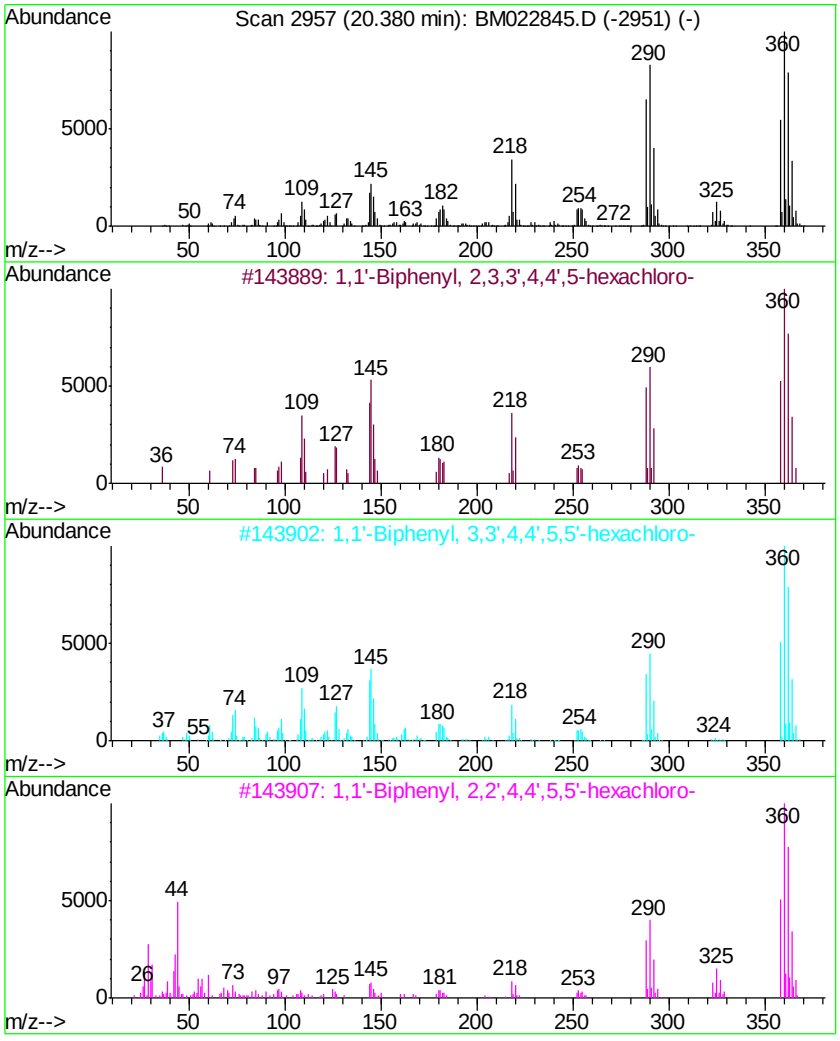
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

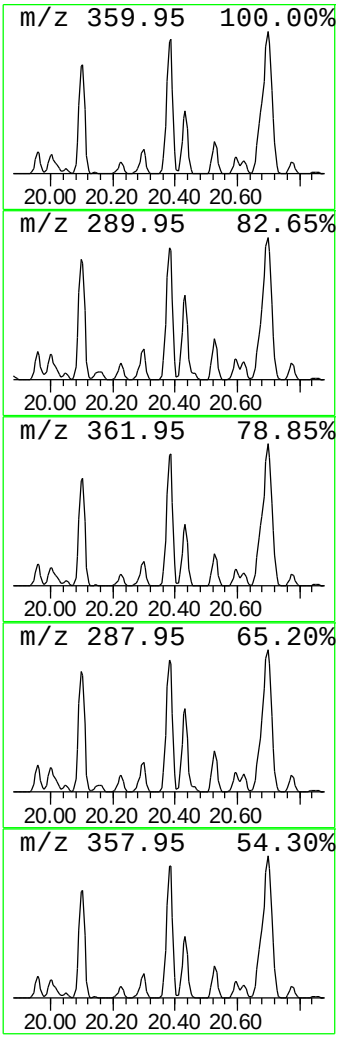
****

Peak Number 36 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	184.74 ng/ul	25511400	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	97
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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

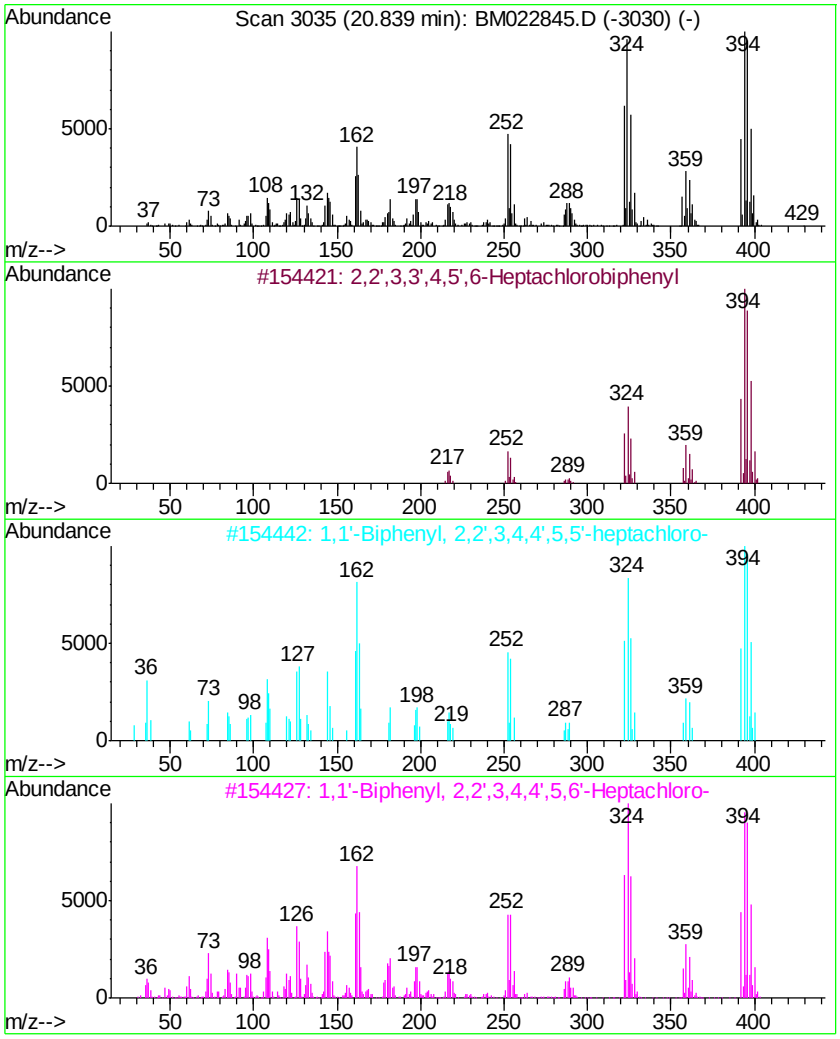
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

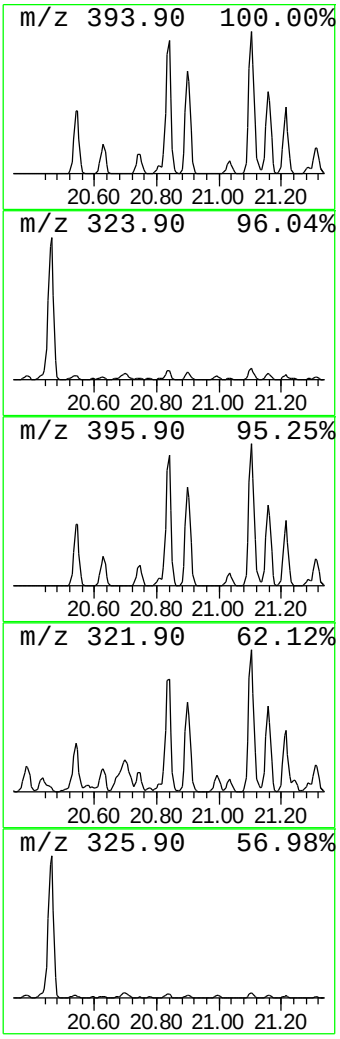
****

Peak Number 44 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	14.92 ng/ul	2060660	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'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	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 : BM022845.D
Acq On : 01 Oct 2019 04:25
Operator : JU
Sample : K5027-02
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW4

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
4-Pentenal, 2-met...	3.02	2.1	ng/ul	163191	1	7.80	1550550	20.0
(DEL) Alkane: Str...	3.19	6.6	ng/ul	511235	1	7.80	1550550	20.0
Cyclotrisiloxane,...	4.46	4.4	ng/ul	341213	1	7.80	1550550	20.0
1,1'-Biphenyl, 2,...	17.78	4.4	ng/ul	803946	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	17.89	4.8	ng/ul	872038	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.26	176.9	ng/ul	32032100	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.54	88.7	ng/ul	16059500	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.59	5.7	ng/ul	1035370	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.78	3.2	ng/ul	581115	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.81	4.8	ng/ul	878695	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	18.96	2.8	ng/ul	497810	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	19.11	256.6	ng/ul	46445800	4	17.18	3620580	20.0
1,1'-Biphenyl, 2,...	19.32	105.1	ng/ul	14511900	5	21.36	2761820	20.0
1,1'-Biphenyl, 2,...	19.46	165.5	ng/ul	22852000	5	21.36	2761820	20.0
1,1'-Biphenyl, 3,...	19.96	44.0	ng/ul	6070000	5	21.36	2761820	20.0
1,1'-Biphenyl, 2,...	19.98	15.2	ng/ul	2099180	5	21.36	2761820	20.0
1,1'-Biphenyl, 2,...	20.05	15.8	ng/ul	2186750	5	21.36	2761820	20.0
1,1'-Biphenyl, 2,...	20.38	184.7	ng/ul	25511400	5	21.36	2761820	20.0
2,2',3,3',4,5',6-...	20.84	14.9	ng/ul	2060660	5	21.36	2761820	20.0