LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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	3.016	3	5	14	rVB	119199	146730	0.48%	0.044%
2	3.099	16	19	22	rVV	32769	36911	0.12%	0.011%
3	3.193	31	35	41	rVB	435421	435650	1.41%	0.131%
4	4.005	167	173	178	rBV	107101	136127	0.44%	0.041%
5	4.457	244	250	255	rVB	108548	143987	0.47%	0.043%
6	6.963	670	676	681	rVB	29818	45757	0.15%	0.014%
7	7.804	812	819	826	rBV	894684	1377428	4.47%	0.415%
8	10.598	1286	1294	1301	rBV	1250782	2108801	6.84%	0.636%
9	14.439	1941	1947	1955	rBV	2120391	3059342	9.92%	0.922%
10	16.751	2336	2340	2348	rVB	71094	106608	0.35%	0.032%
11	16.827	2349	2353	2358	rVV	76602	104178	0.34%	0.031%
12	16.951	2369	2374	2380	rBV4	21367	35944	0.12%	0.011%
13	17.057	2388	2392	2396	rBV3	44945	59252	0.19%	0.018%
14	17.180	2406	2413	2418	rBV	2408550	3488479	11.31%	1.051%
15	17.215	2418	2419	2425	rVB	83504	90668	0.29%	0.027%
16	17.363	2438	2444	2450	rBV3	82838	159569	0.52%	0.048%
17	17.780	2508	2515	2522	rVB	249446	436128	1.41%	0.131%
18	17.892	2530	2534	2541	rVB2	236610	335941	1.09%	0.101%
19	17.974	2544	2548	2552	rBV3	24614	34244	0.11%	0.010%
20	18.027	2553	2557	2562	rBV2	125160	194378	0.63%	0.059%
21	18.080	2562	2566	2575	rVB3	121136	207947	0.67%	0.063%
22	18.192	2581	2585	2589	rBV3	41257	68274	0.22%	0.021%
23	18.251	2589	2595	2601	rVV	11488762	15855285	51.42%	4.778%
24	18.310	2601	2605	2610	rVV	2664968	3539032	11.48%	1.067%
25	18.357	2610	2613	2618	rVB	527988	649855	2.11%	0.196%
26	18.533	2637	2643	2648	rBV	5206851	6867720	22.27%	2.070%
27	18.580	2648	2651	2656	rVV	356997	469582	1.52%	0.142%
28	18.633	2656	2660	2662	rVV	55949	70728	0.23%	0.021%
29	18.674	2662	2667	2669	rVV	406346	528926	1.72%	0.159%
30	18.709	2669	2673	2679	rVB	1691412	2154707	6.99%	0.649%
31	18.774	2680	2684	2687	rBV	204258	289274	0.94%	0.087%
32	18.810	2687	2690	2695	rVB	295941	366632	1.19%	0.110%
33	18.862	2696	2699	2707	rVB7	36328	58599	0.19%	0.018%
34	18.957	2711	2715	2720	rBV2	165696	227943	0.74%	0.069%

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Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

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

35	19.021	2720	2726	2729	rBV	2108950	2667137	8.65%	0.804%
36	19.074	2729	2735	2736	rVV	4138390	5319692	17.25%	1.603%
37	19.104	2736	2740	2747	rVV2	15255534	23367988	75.78%	7.043%
38	19.186	2749	2754	2759	rVB	2684919	3294564	10.68%	0.993%
39	19.239	2759	2763	2767	rVB	102141	134279	0.44%	0.040%
40	19.309	2769	2775	2782	rBV2	4052440	6616342	21.46%	1.994%
41	19.386	2782	2788	2794	rVV	17897140	30836205	100.00%	9.293%
42	19.451	2794	2799	2804	rVV	10411654	11904401	38.61%	3.588%
43	19.515	2806	2810	2815	rVV	319429	397098	1.29%	0.120%
44	19.574	2815	2820	2827	rVV2	1181397	1514190	4.91%	0.456%
45	19.645	2827	2832	2837	rVV	7356845	9116425	29.56%	2.747%
46	19.727	2837	2846	2850	rVV	11433635	15457677	50.13%	4.659%
47	19.774	2850	2854	2857	rVV	4205112	5130679	16.64%	1.546%
48	19.839	2857	2865	2869	rVV	18332809	29207028	94.72%	8.802%
49	19.874	2869	2871	2879	rVB	211379	240607	0.78%	0.073%
50	19.974	2885	2888	2890	rVB	1337047	1283433	4.16%	0.387%
51	19.998	2890	2892	2897	rVB	1407896	1722219	5.59%	0.519%
52	20.045	2897	2900	2903	rVB	1092558	1138265	3.69%	0.343%
53	20.098	2903	2909	2913	rBV3	10074667	13962958	45.28%	4.208%
54	20.151	2913	2918	2922	rVB	17599194	24396930	79.12%	7.353%
55	20.221	2922	2930	2934	rVB	1175908	1487773	4.82%	0.448%
56	20.292	2935	2942	2948	rVB2	2287692	3739368	12.13%	1.127%
57	20.374	2950	2956	2960	rBV	11894460	14828248	48.09%	4.469%
58	20.427	2960	2965	2967	rBV	6226070	8846113	28.69%	2.666%
59	20.451	2967	2969	2974	rVB	10110267	10817396	35.08%	3.260%
60	20.521	2976	2981	2985	rBV	2799997	3690250	11.97%	1.112%
61	20.592	2989	2993	2995	rBV	1292701	1566869	5.08%	0.472%
62	20.615	2995	2997	3001	rVB3	1356590	1430183	4.64%	0.431%
63	20.692	3001	3010	3016	rBV	14385277	25710120	83.38%	7.748%
64	20.768	3020	3023	3028	rVB	1111422	1305146	4.23%	0.393%
65	20.833	3030	3034	3040	rVB2	813803	1079930	3.50%	0.325%
66	20.898	3041	3045	3052	rBV2	551302	730969	2.37%	0.220%
67	20.992	3056	3061	3065	rBV	5266339	6428104	20.85%	1.937%
68	21.098	3075	3079	3085	rVB	859811	1081200	3.51%	0.326%
69	21.156	3085	3089	3094	rVB	568012	669224	2.17%	0.202%
70	21.209	3094	3098	3099	rBV	403038	414733	1.34%	0.125%
71	21.239	3099	3103	3106	rVV	2543531	2990500	9.70%	0.901%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : C0AW3

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
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Title : SVOA CALIBRATION

72	21.280	3106	3110	3118	rVV2	804833	1523493	4.94%	0.459%
73	21.356	3118	3123	3125	rVV	2692006	3272536	10.61%	0.986%
74	21.386	3125	3128	3134	rVB2	2253208	2605599	8.45%	0.785%
75	21.627	3166	3169	3175	rVB	235928	267152	0.87%	0.081%
76	21.698	3176	3181	3187	rBV	1462707	1928544	6.25%	0.581%
77	21.827	3200	3203	3206	rBV	139710	172095	0.56%	0.052%
78	22.933	3389	3391	3397	rVB	230832	310743	1.01%	0.094%
79	23.621	3502	3508	3519	rVB2	1457518	2804437	9.09%	0.845%
80	24.174	3599	3602	3611	rVB	280663	510805	1.66%	0.154%

Sum of corrected areas: 331810273

LSC Report - Integrated Chromatogram

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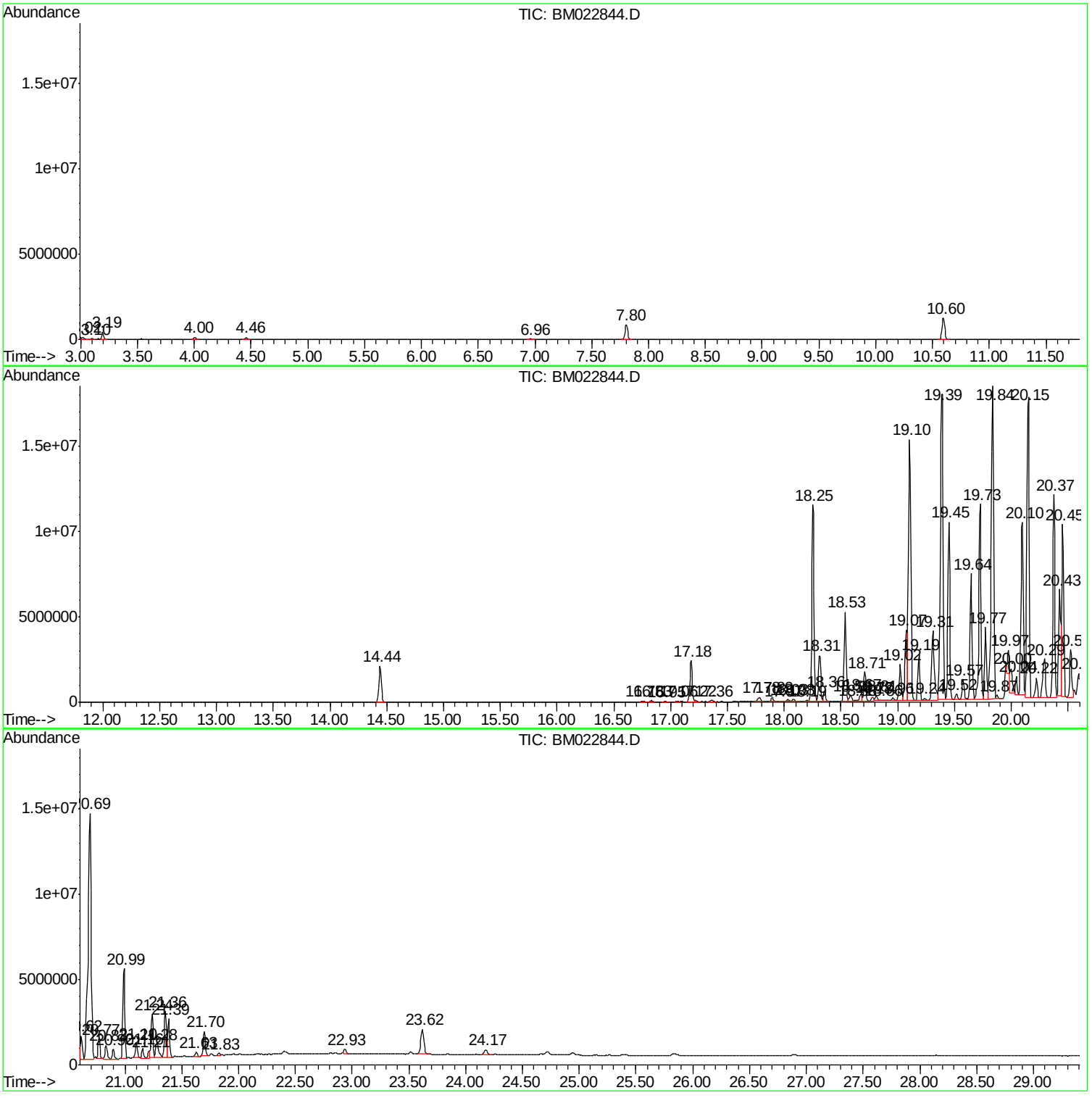
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AW3

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 : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

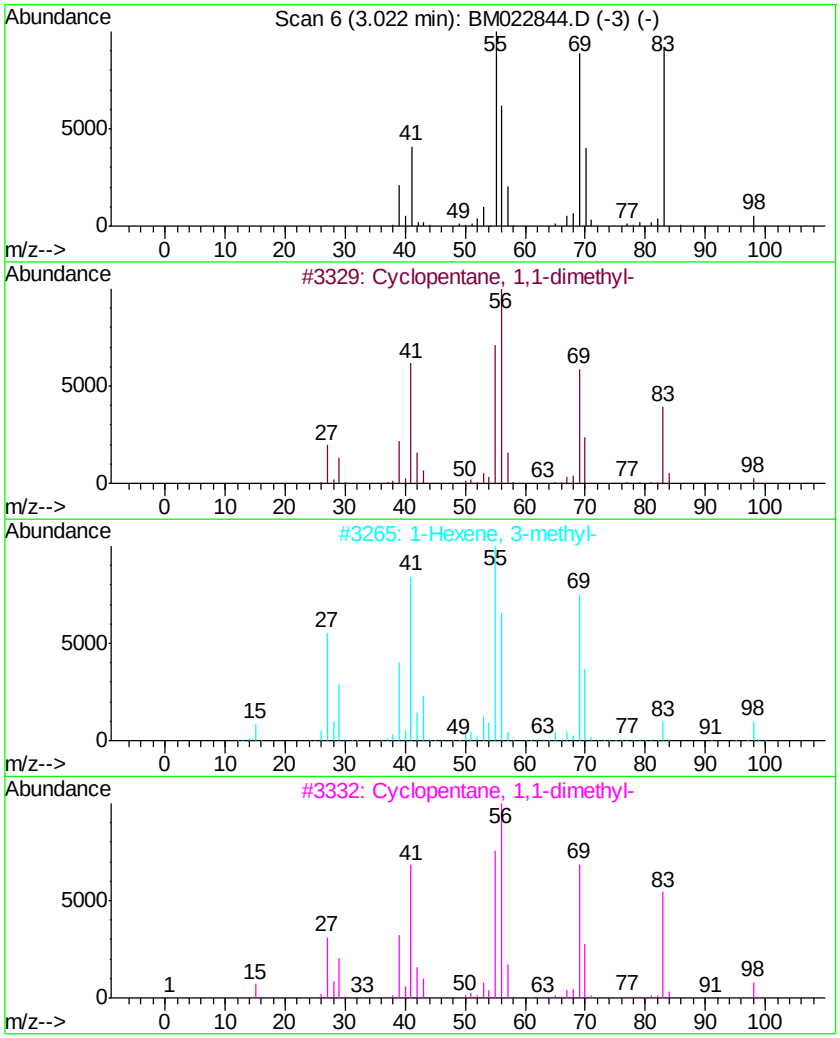
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

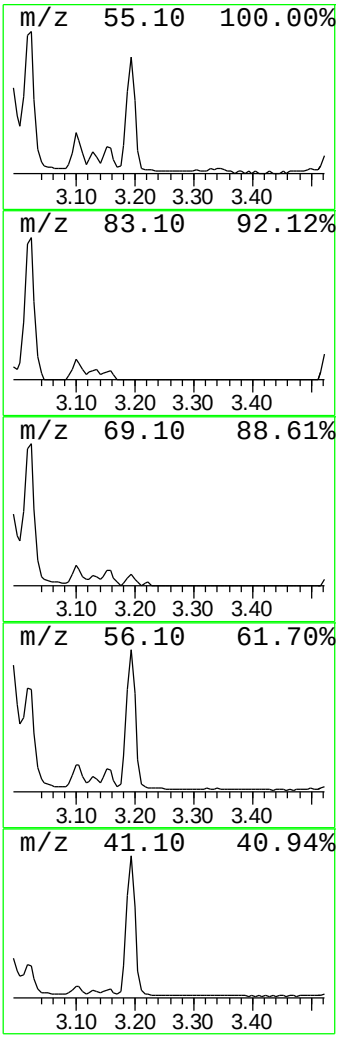
****

Peak Number 1 (DEL) Alkane: Cyclic3.02 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.13 ng/ul	146730	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	50
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	40
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	39
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38
5	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	32





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Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

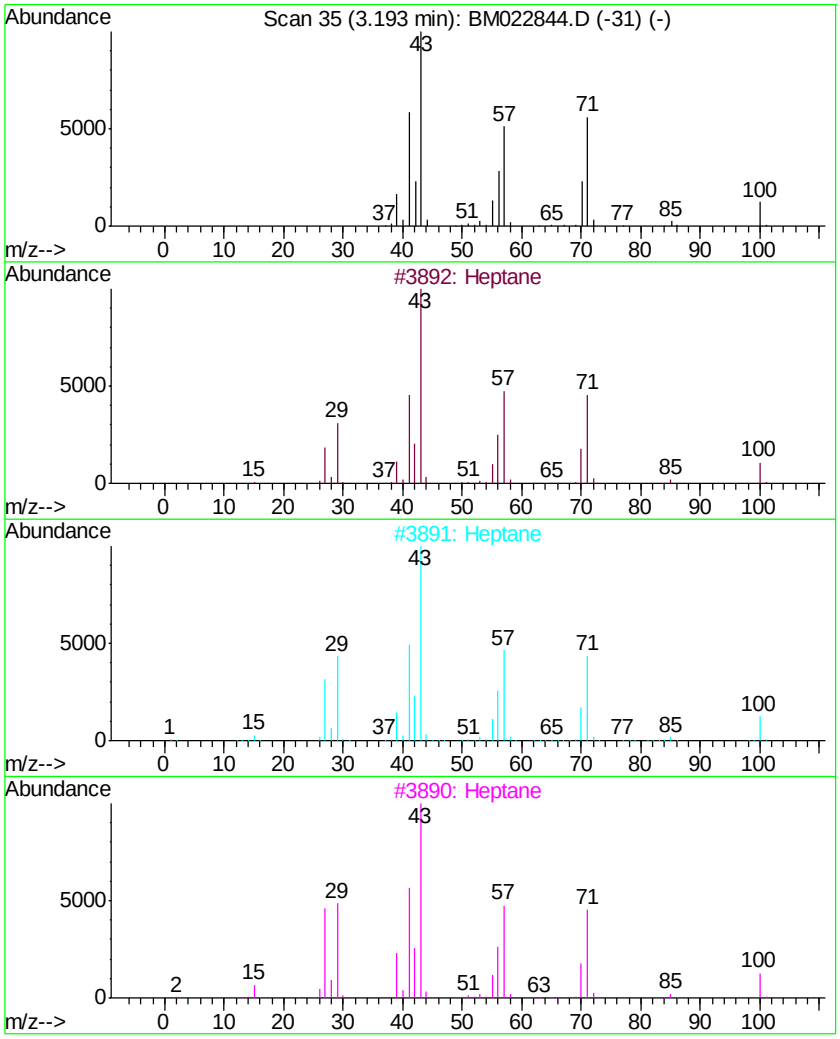
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

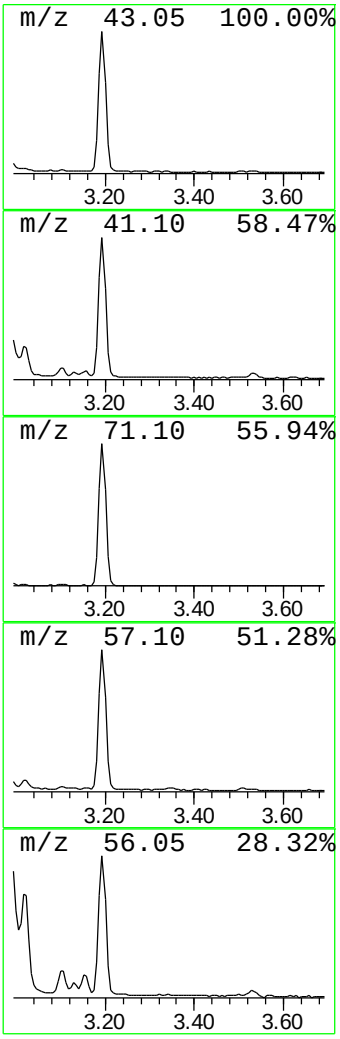
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.33 ng/ul	435650	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	91
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	40





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Quant Title : SVOA CALIBRATION

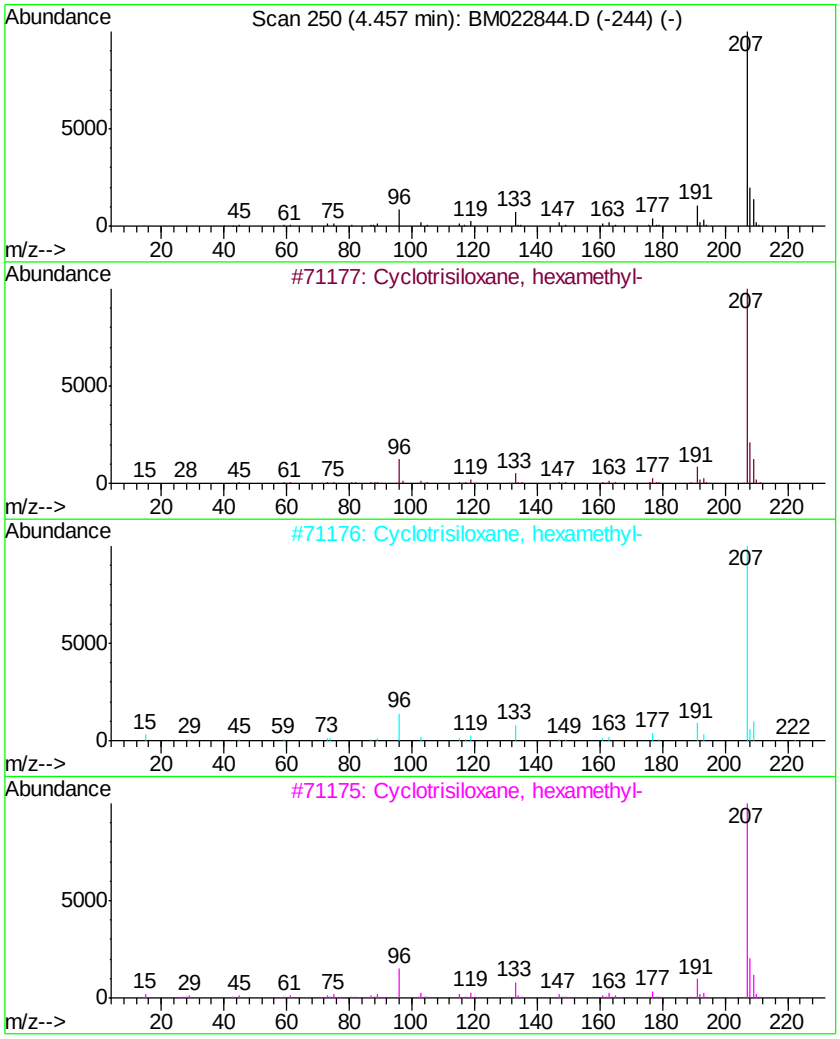
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

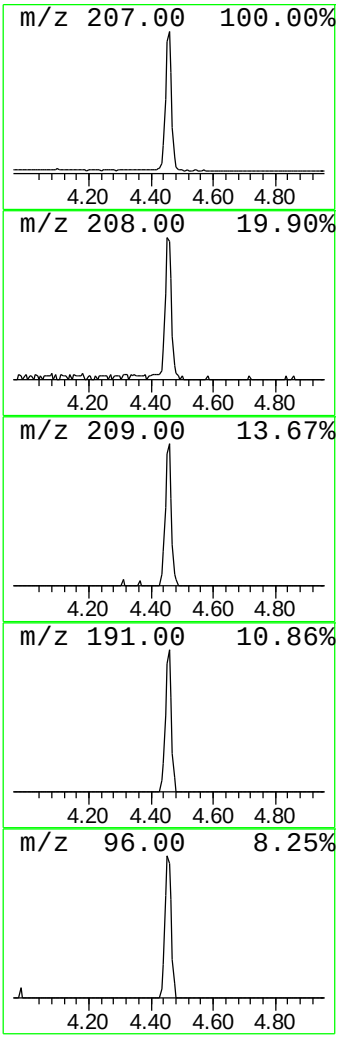
****

Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	2.09 ng/ul	143987	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	90
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	72
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	49
4	Anthracene, 9-ethyl-9,10-dihydro...	264	C20H24	1000154-57-7	40
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	39





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Quant Title : SVOA CALIBRATION

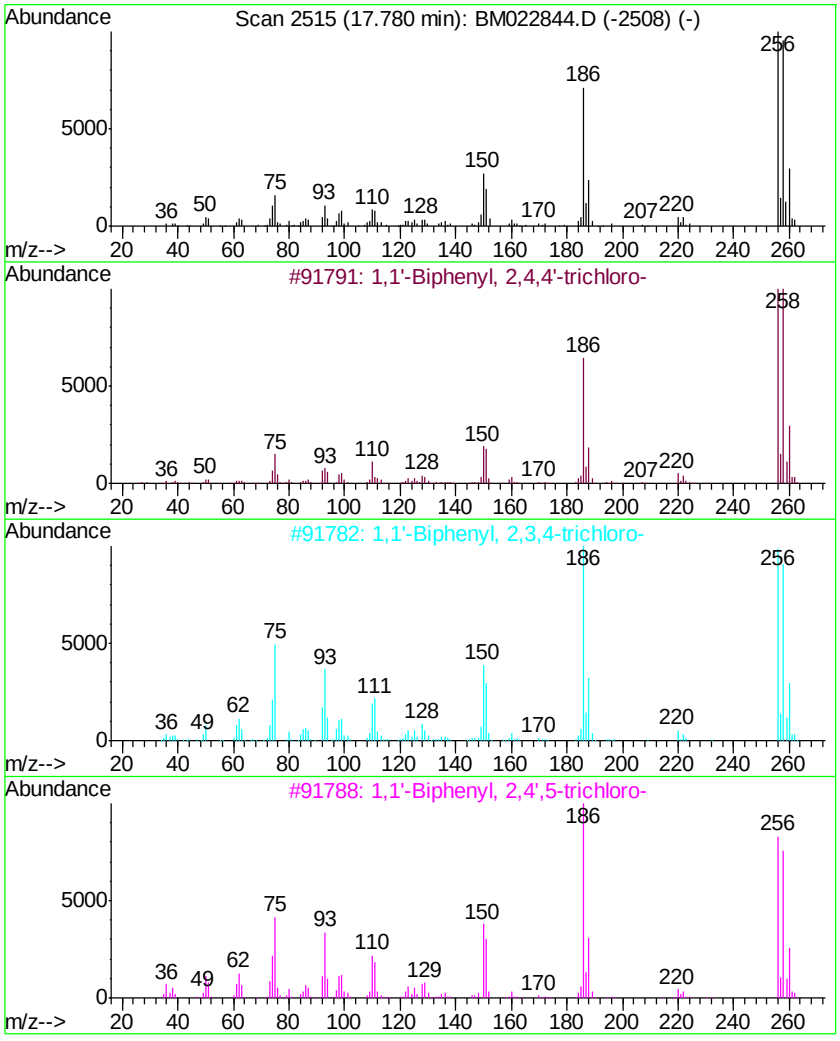
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

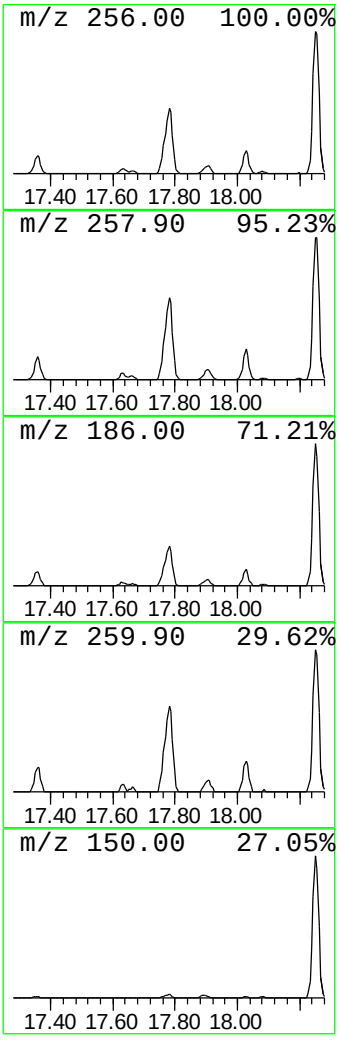
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	2.50 ng/ul	436128	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, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98





Library Search Compound Report

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ALS Vial : 27 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

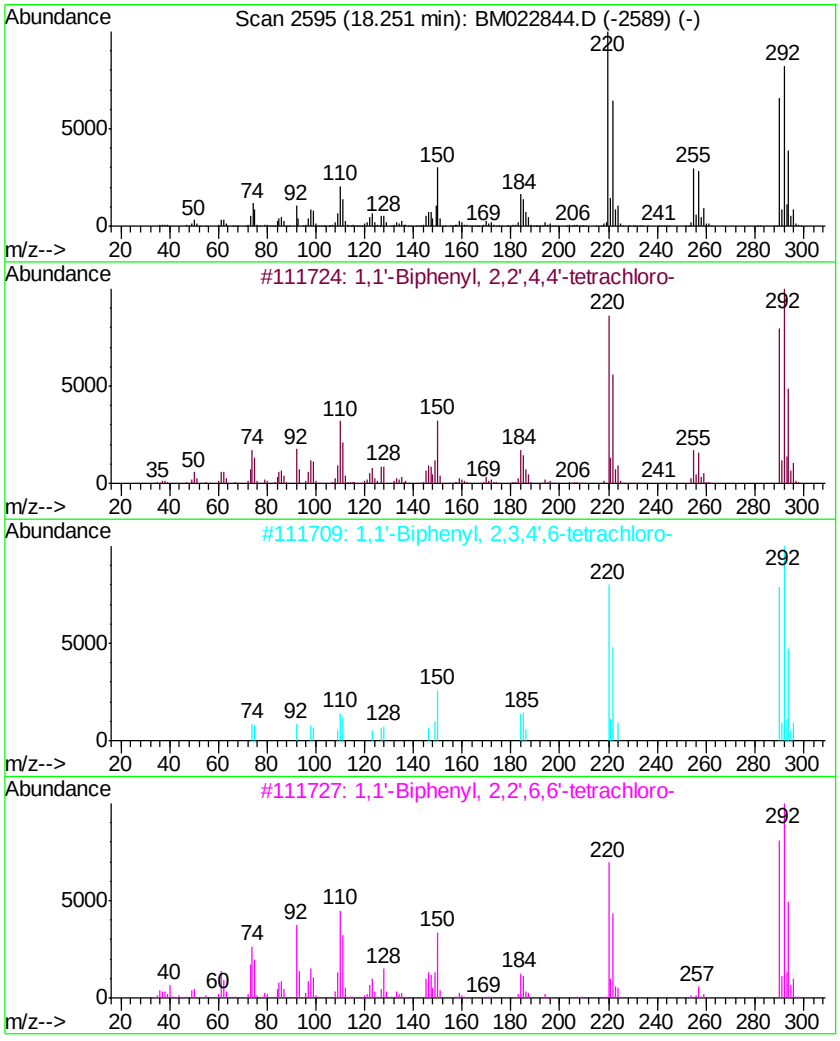
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

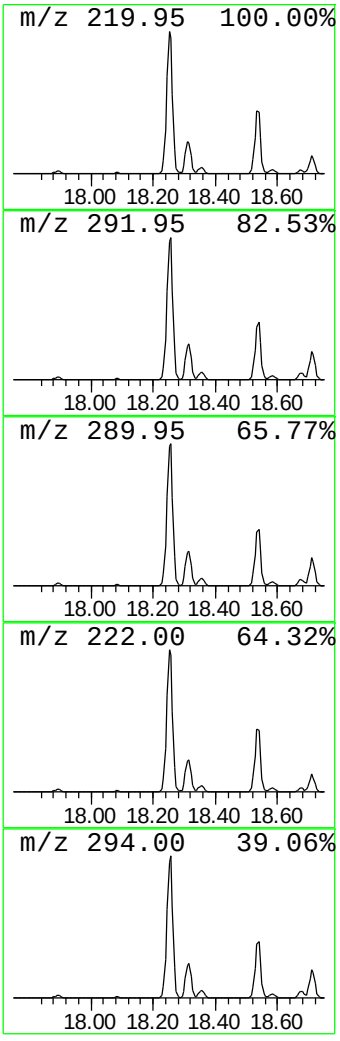
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	90.90 ng/ul	15855300	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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Quant Title : SVOA CALIBRATION

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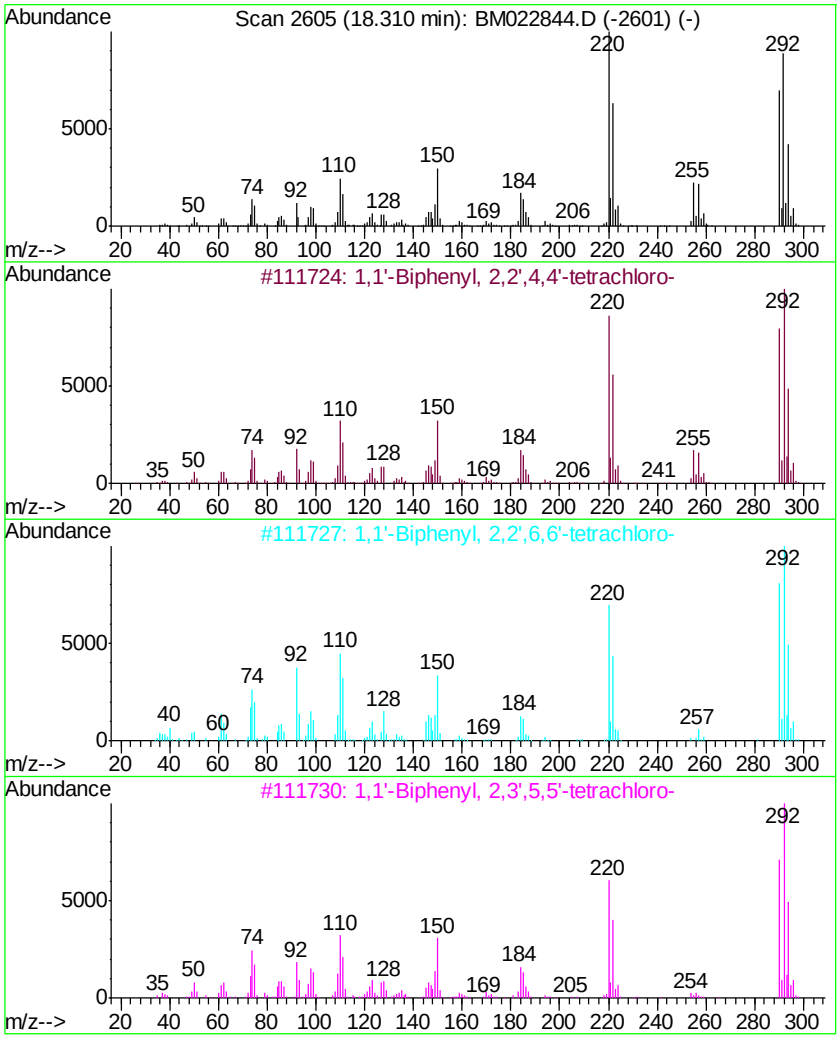
TIC Integration Parameters: LSCINT.P

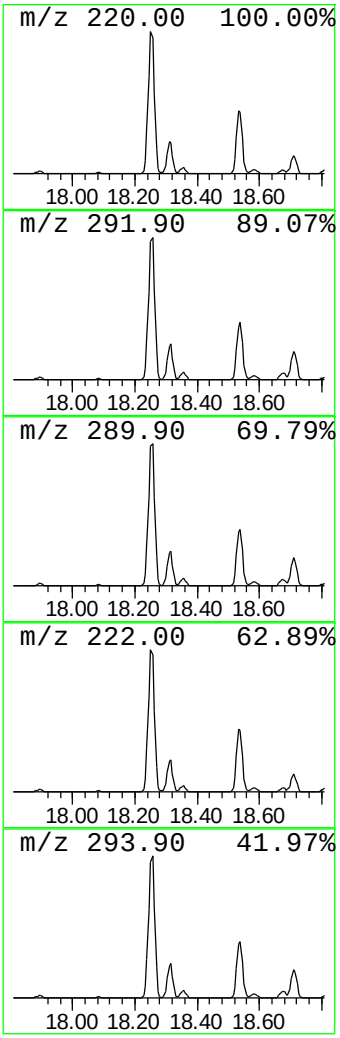
****

Peak Number 6 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	20.29 ng/ul	3539030	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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

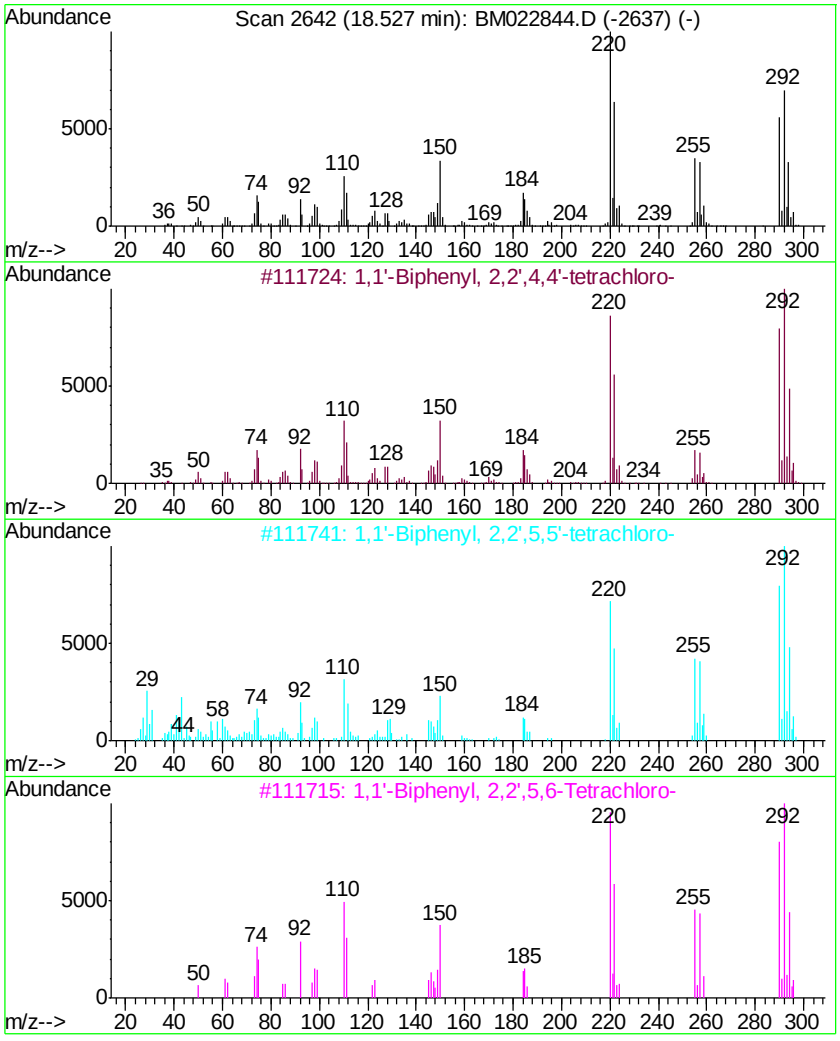
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

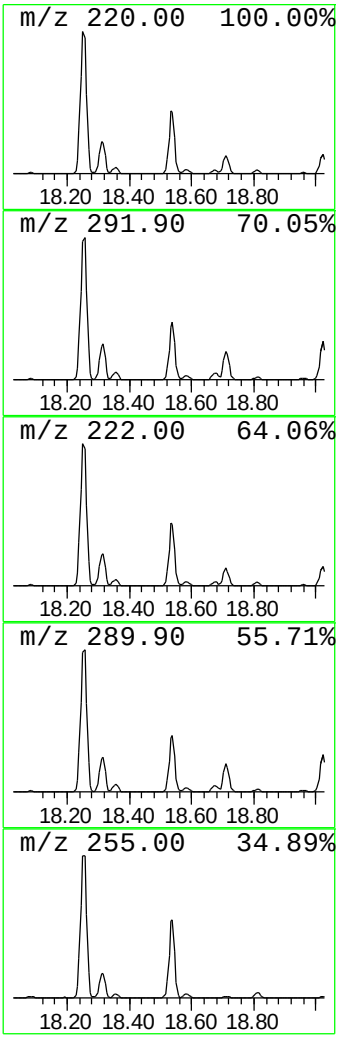
****

Peak Number 8 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	39.37 ng/ul	6867720	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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99





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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

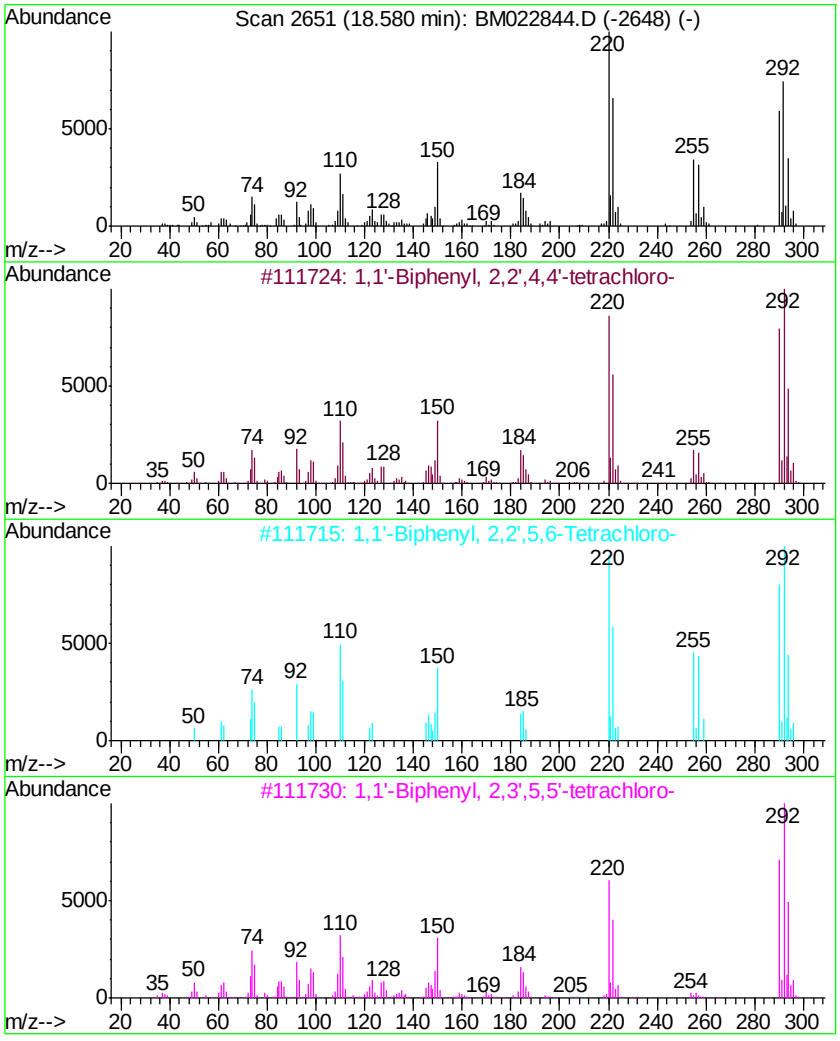
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

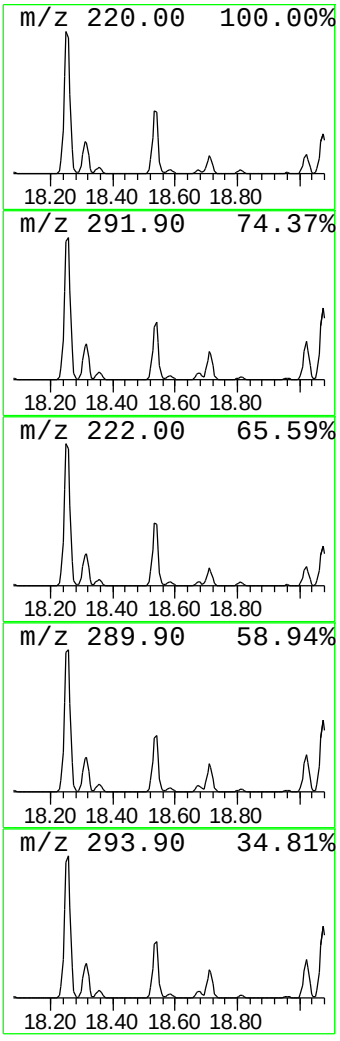
****

Peak Number 9 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	2.69 ng/ul	469582	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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





Library Search Compound Report

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Acq On : 01 Oct 2019 03:48
Operator : JU
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Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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Quant Title : SVOA CALIBRATION

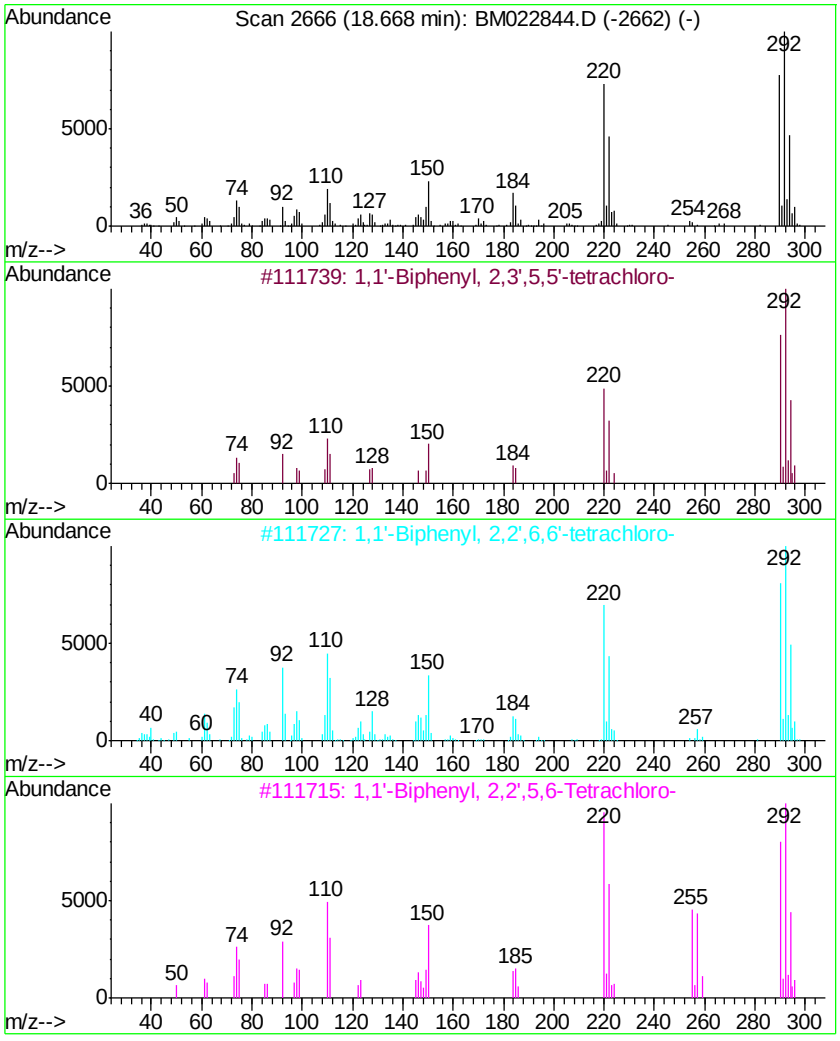
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

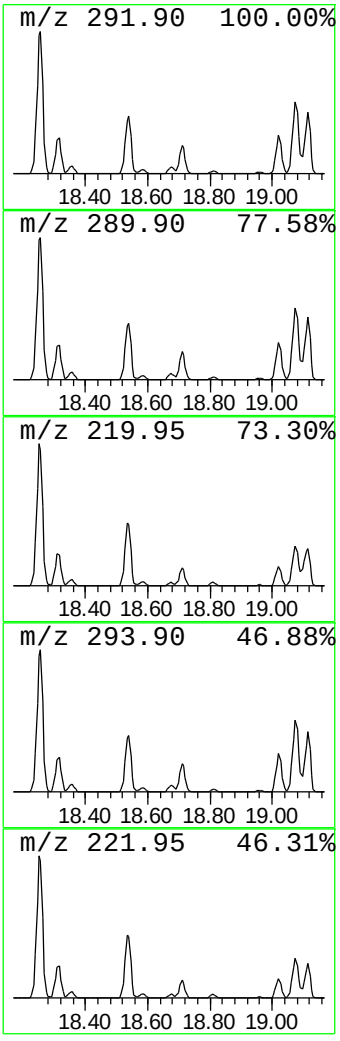
****

Peak Number 10 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.03 ng/ul	528926	Phenanthrene-d10	17.18

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





Library Search Compound Report

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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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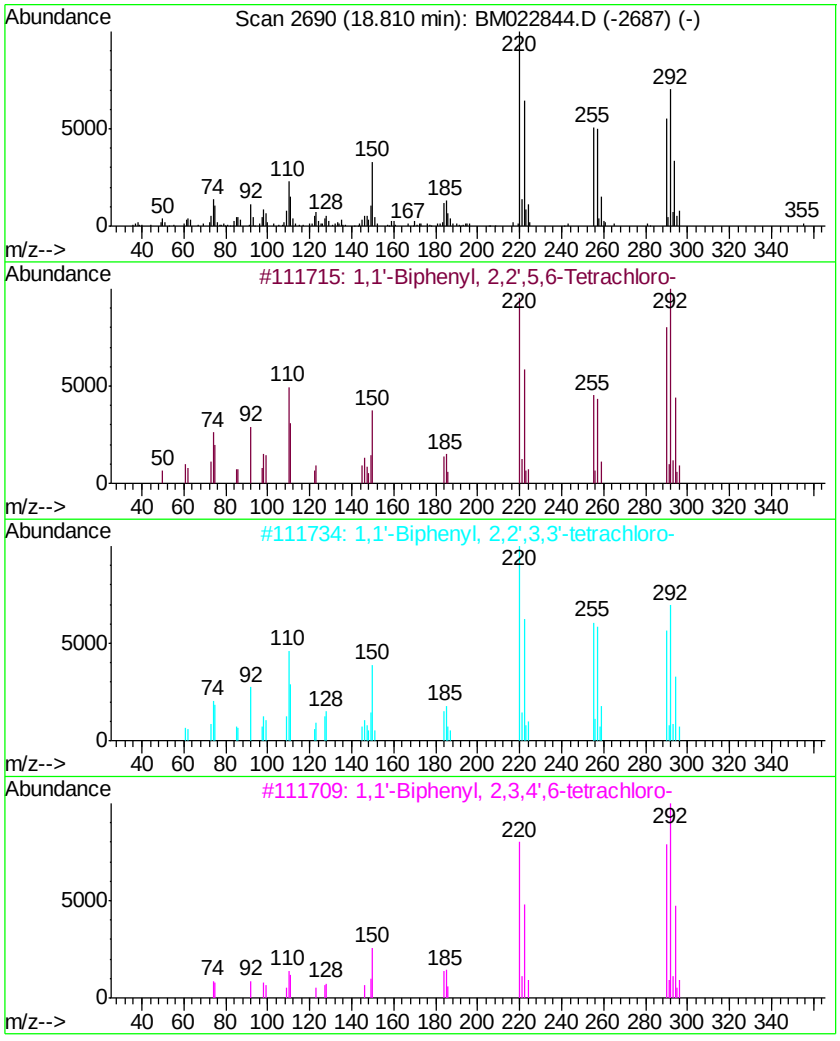
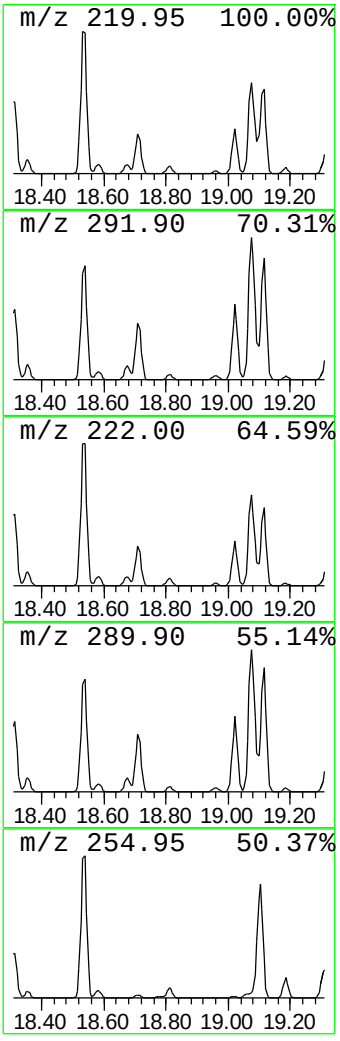
Peak Number 12 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.10 ng/ul	366632	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	96
2	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	96
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	95
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
5	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	94





Library Search Compound Report

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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

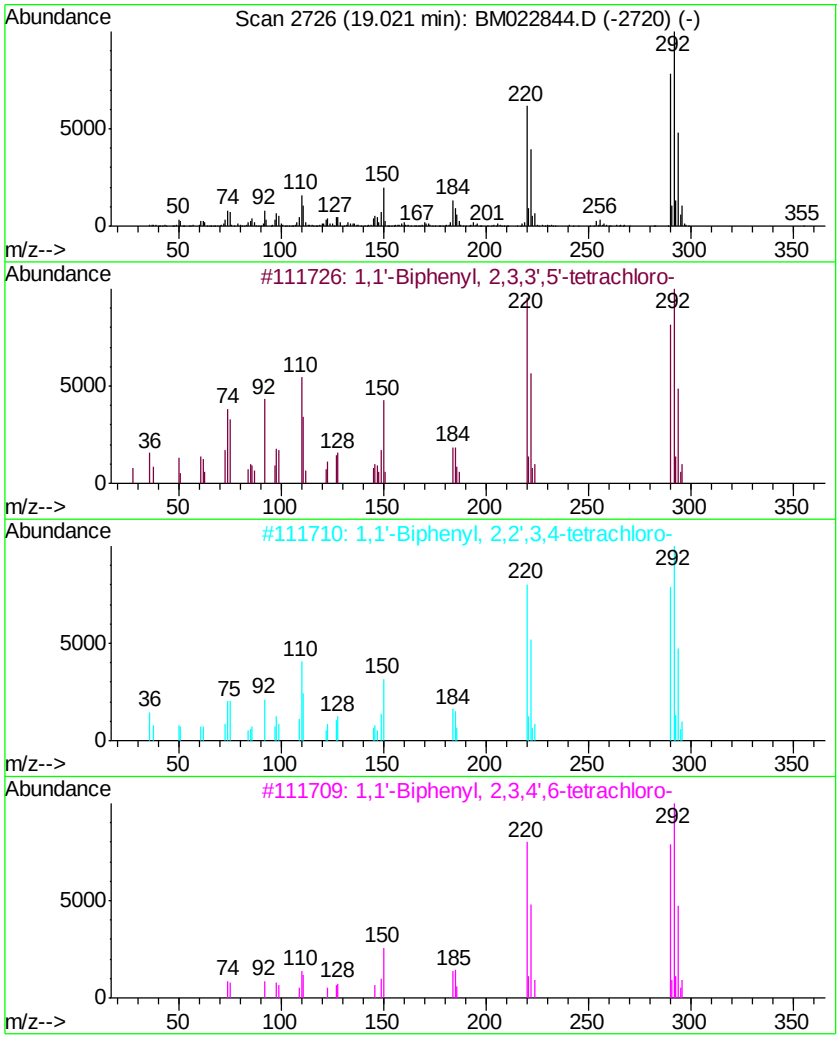
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

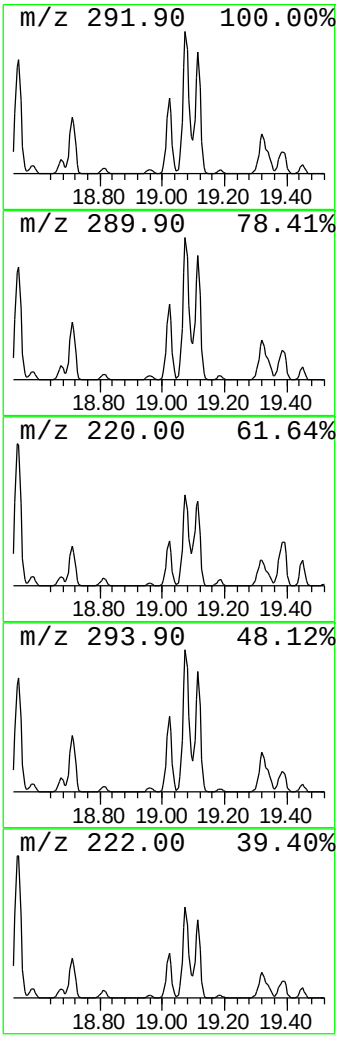
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	15.29 ng/ul	2667140	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',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

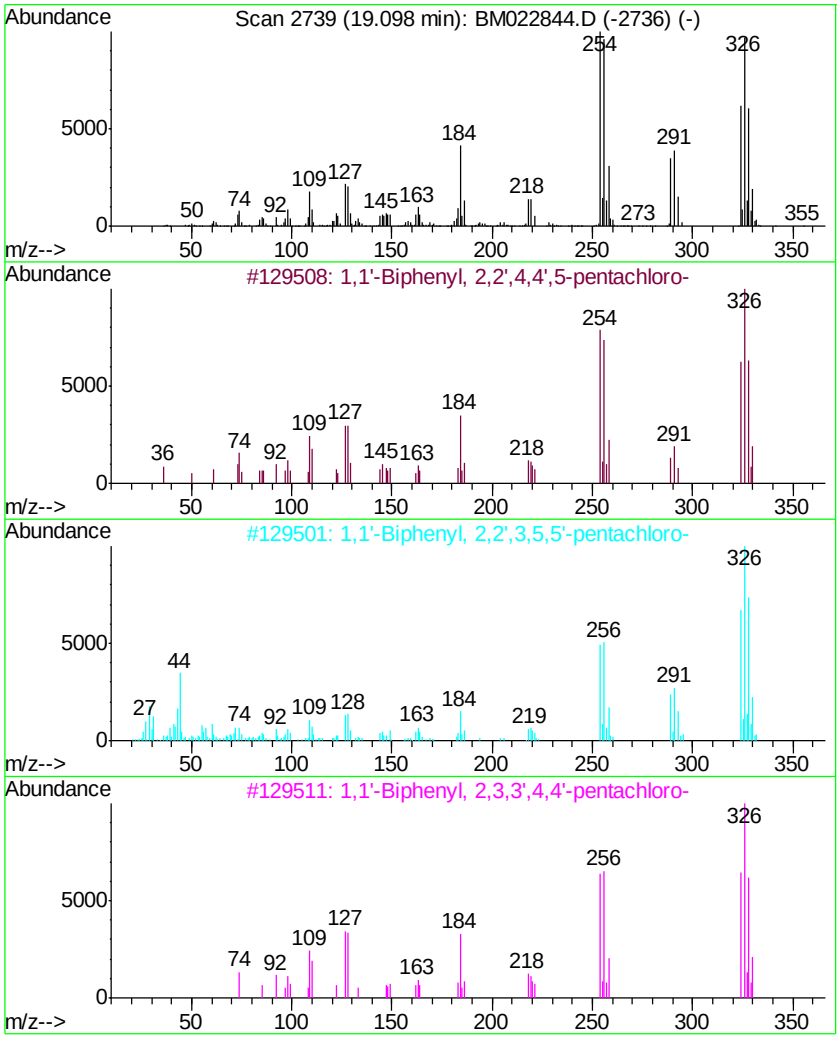
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

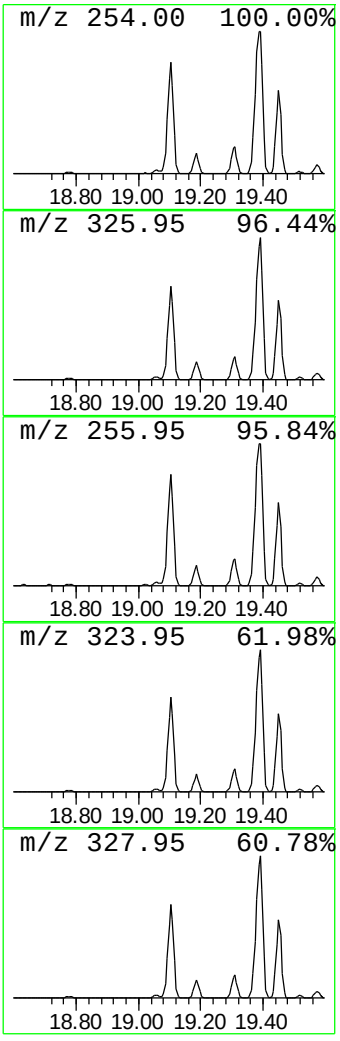
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	133.97 ng/ul	23368000	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, 2,2',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	041464-51-1	99
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99





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Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

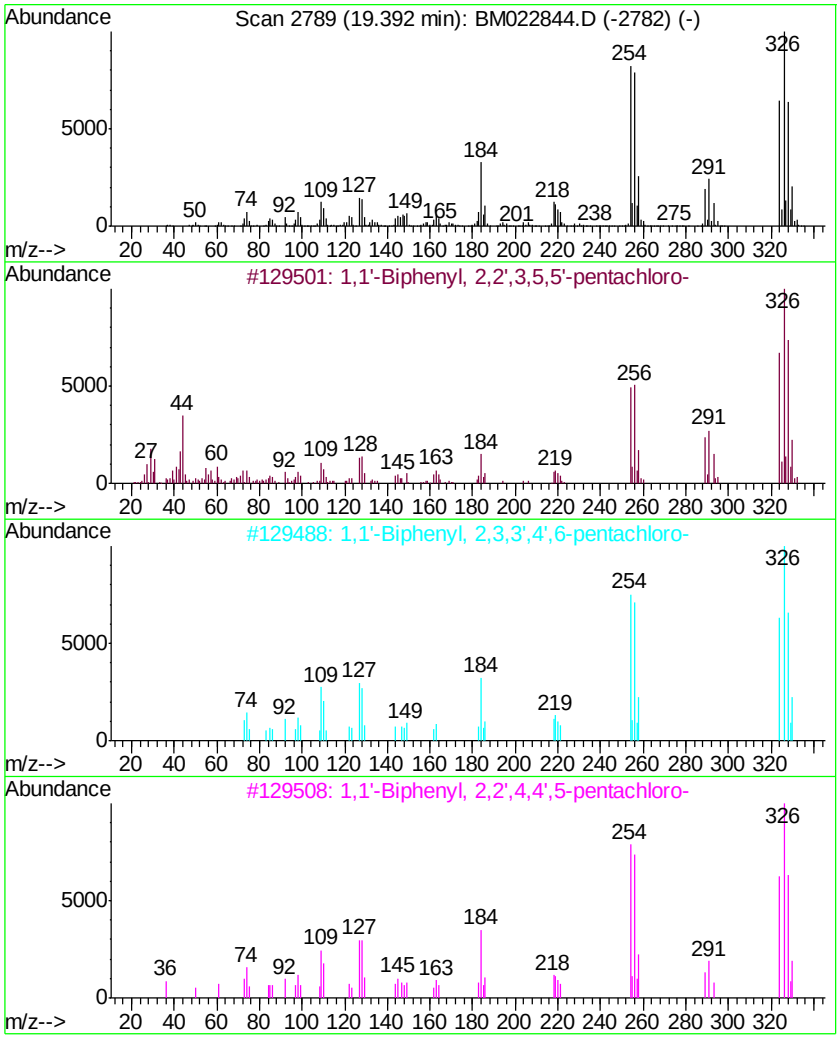
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

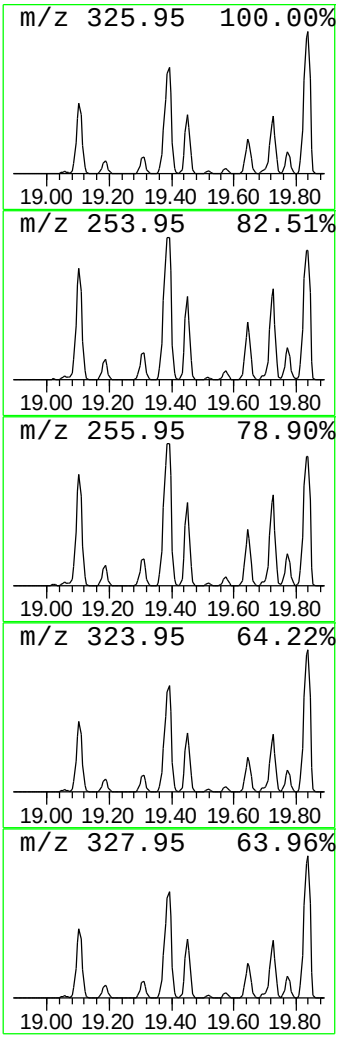
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	188.45 ng/ul	30836200	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, 2,3,3',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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	97





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Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

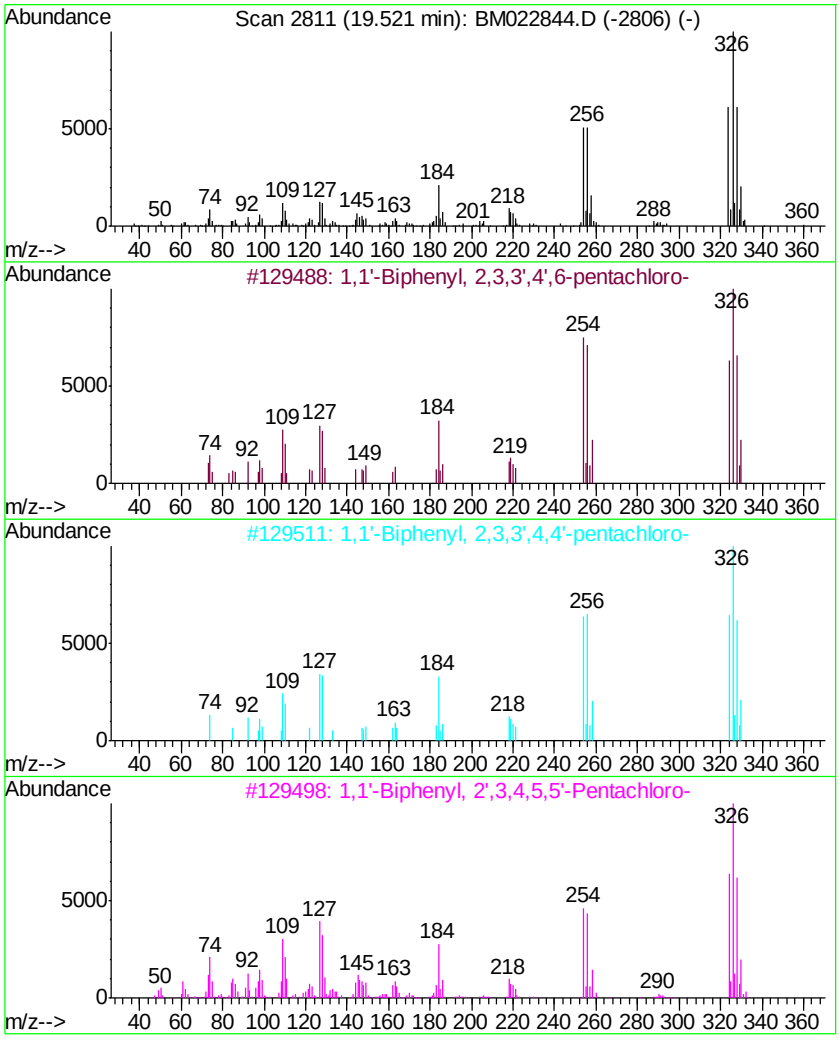
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

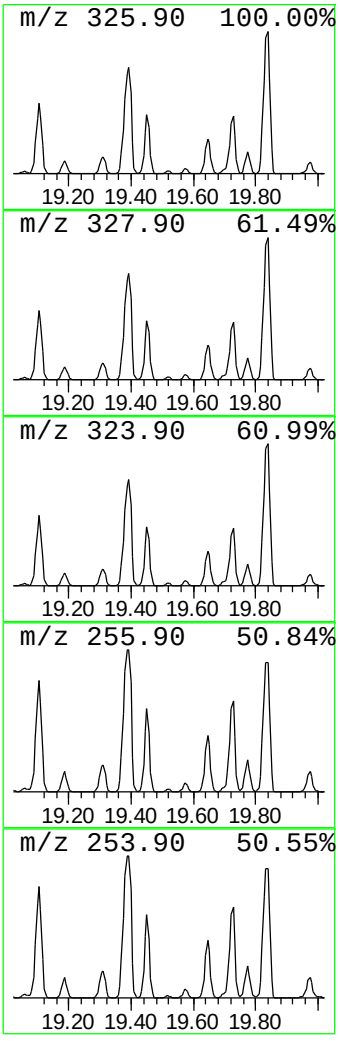
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.43 ng/ul	397098	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',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	97
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96





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Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

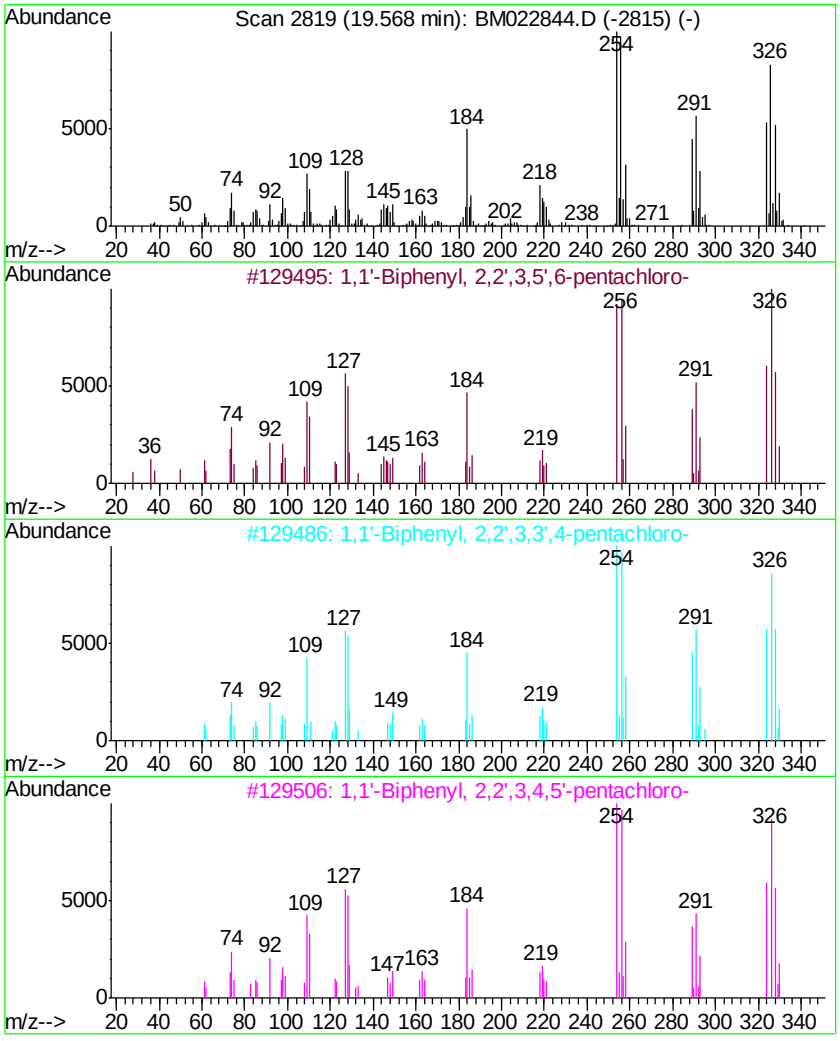
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

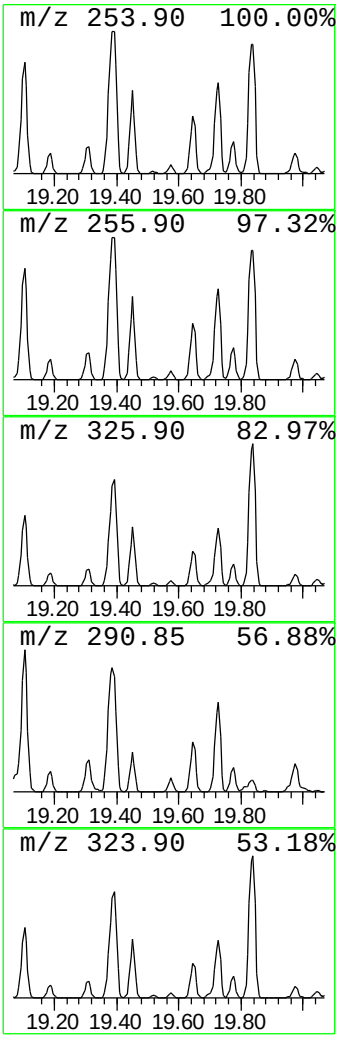
****

Peak Number 21 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	9.25 ng/ul	1514190	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
2	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99





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Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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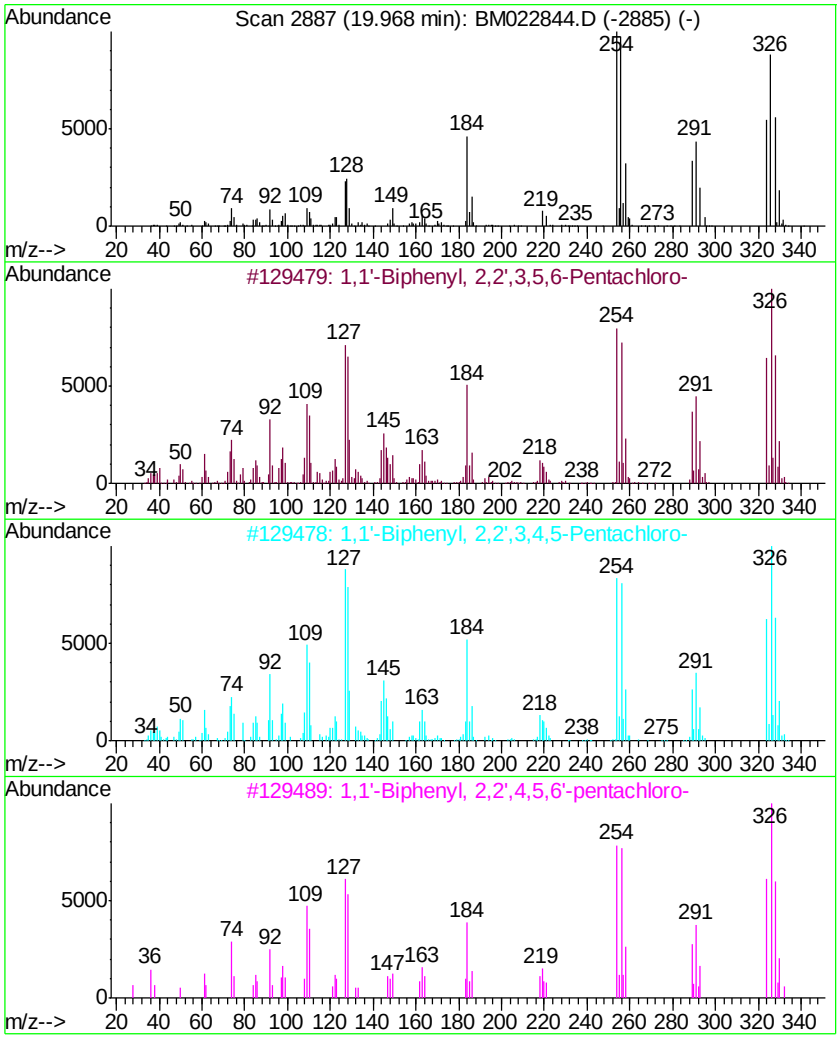
Quant Title : SVOA CALIBRATION

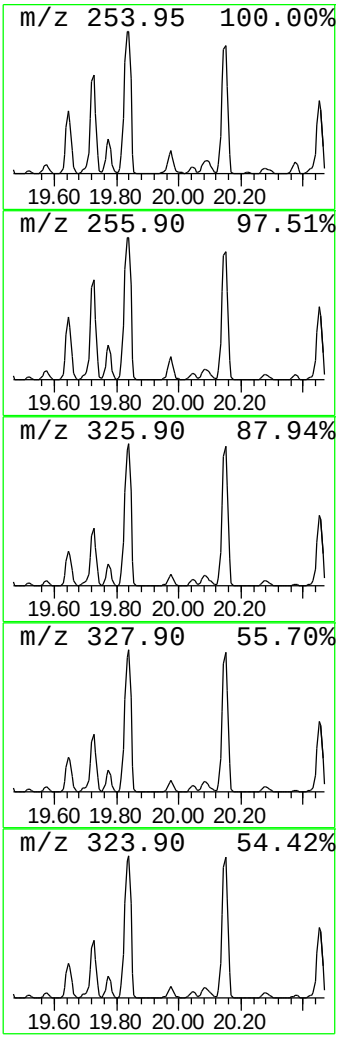
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,1'-Biphenyl, 2,2',3,5,6-P... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	7.84 ng/ul	1283430	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
2	1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	98
3	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	96
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96





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Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

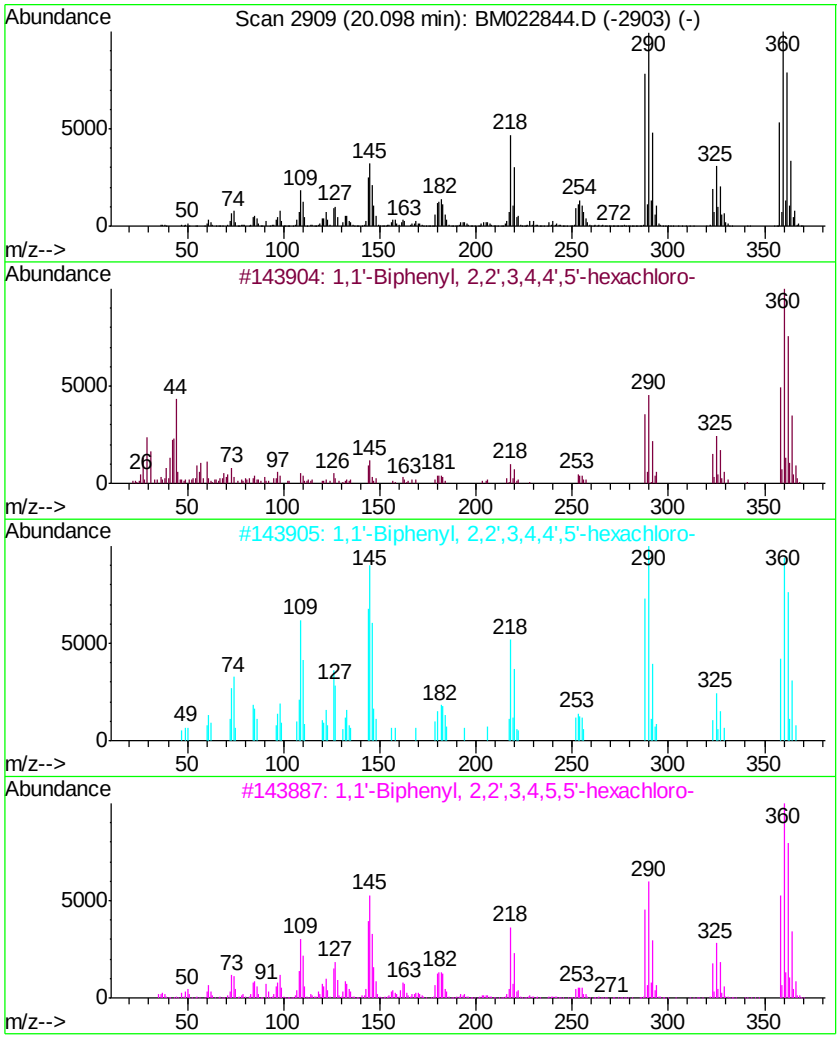
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

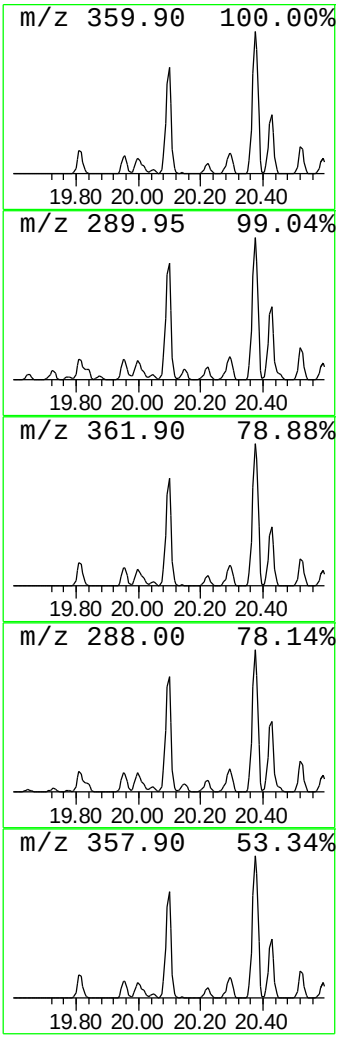
****

Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	85.33 ng/ul	13963000	Chrysene-d12	21.36

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	99
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99





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Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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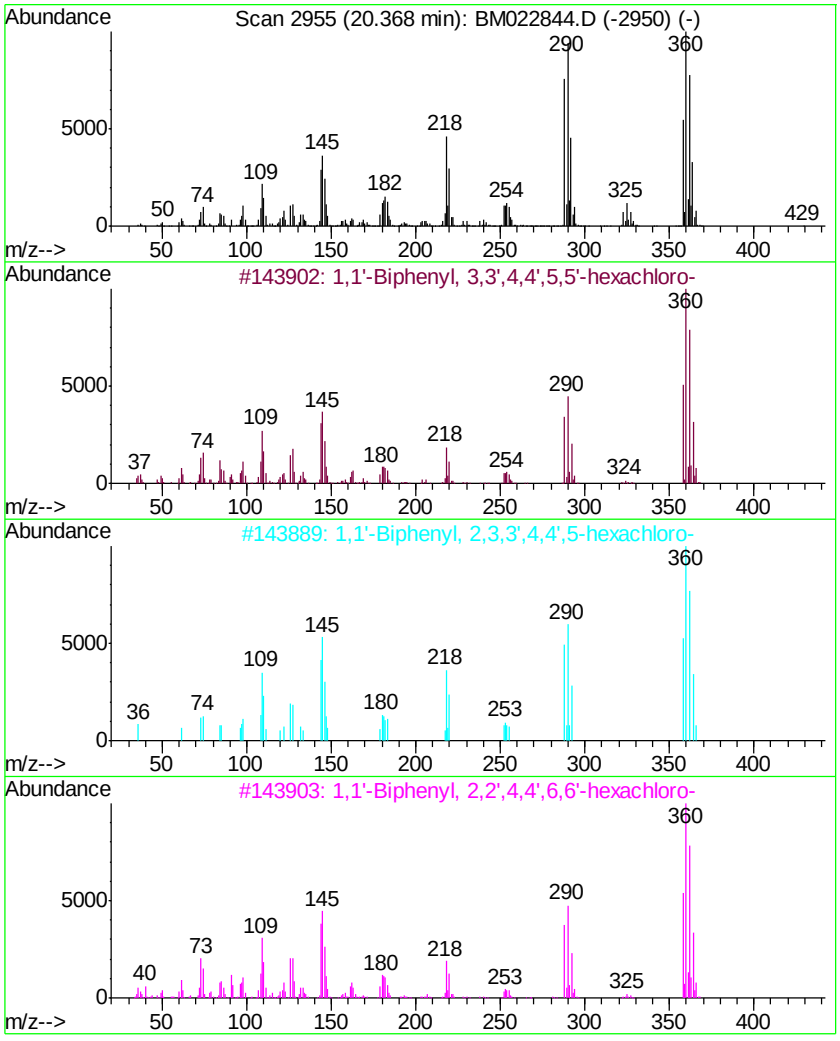
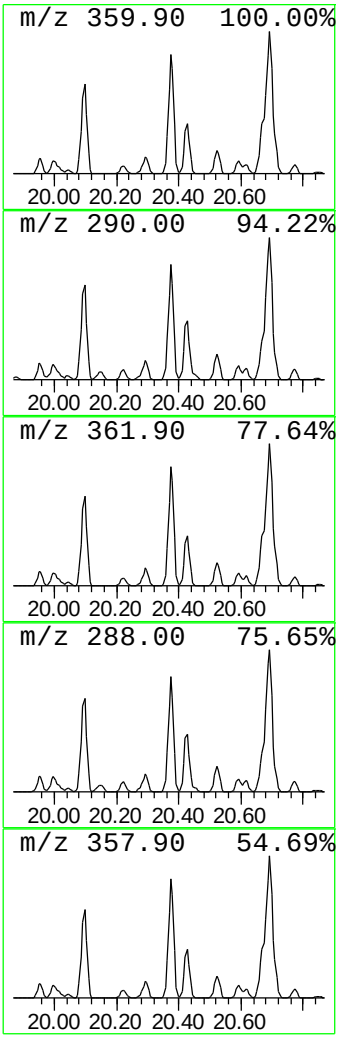
Peak Number 33 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	90.62 ng/ul	14828200	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, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	97
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96





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Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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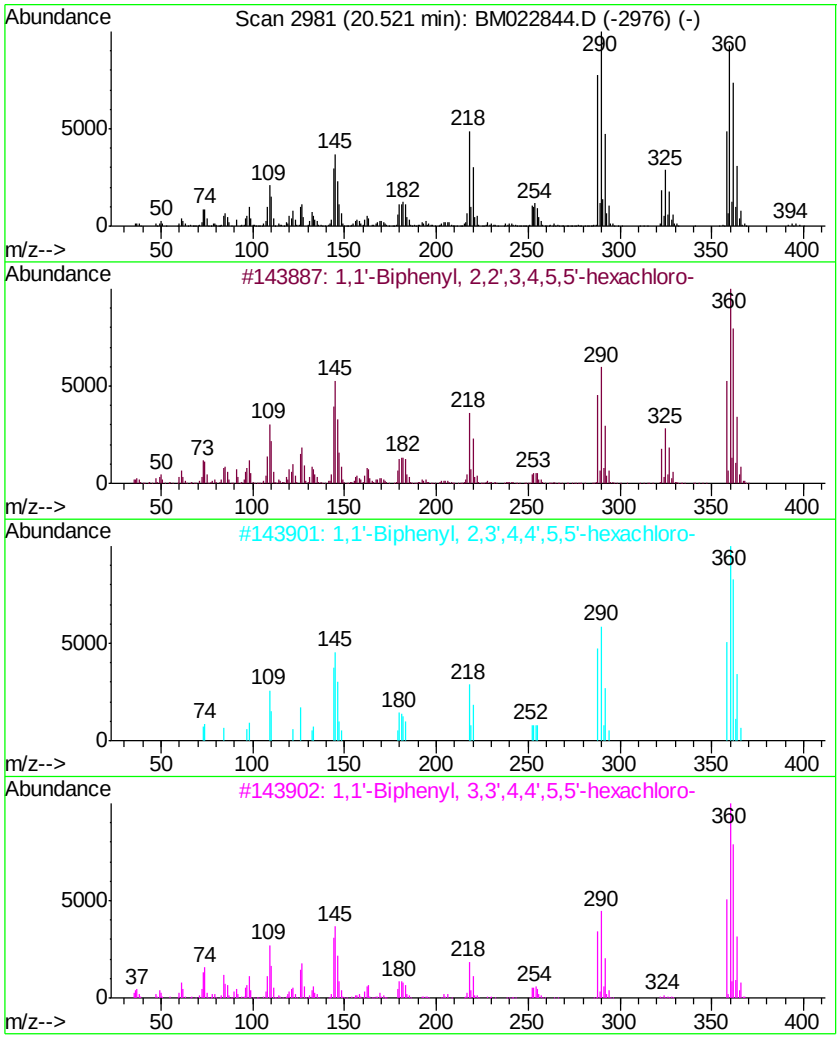
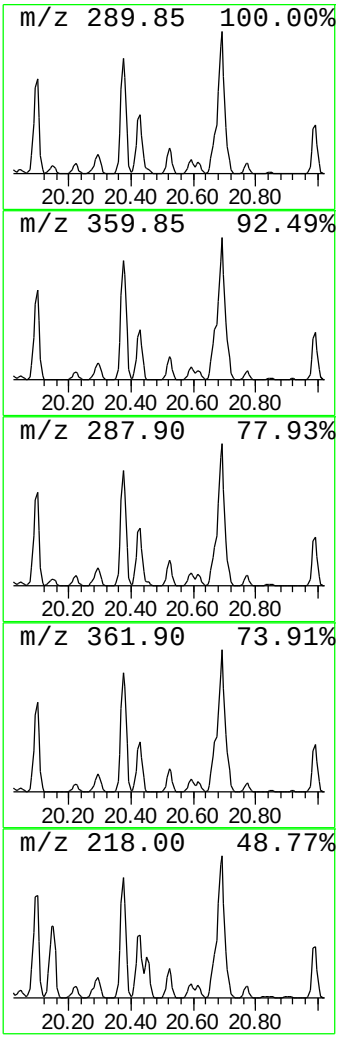
Peak Number 36 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	22.55 ng/ul	3690250	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, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	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',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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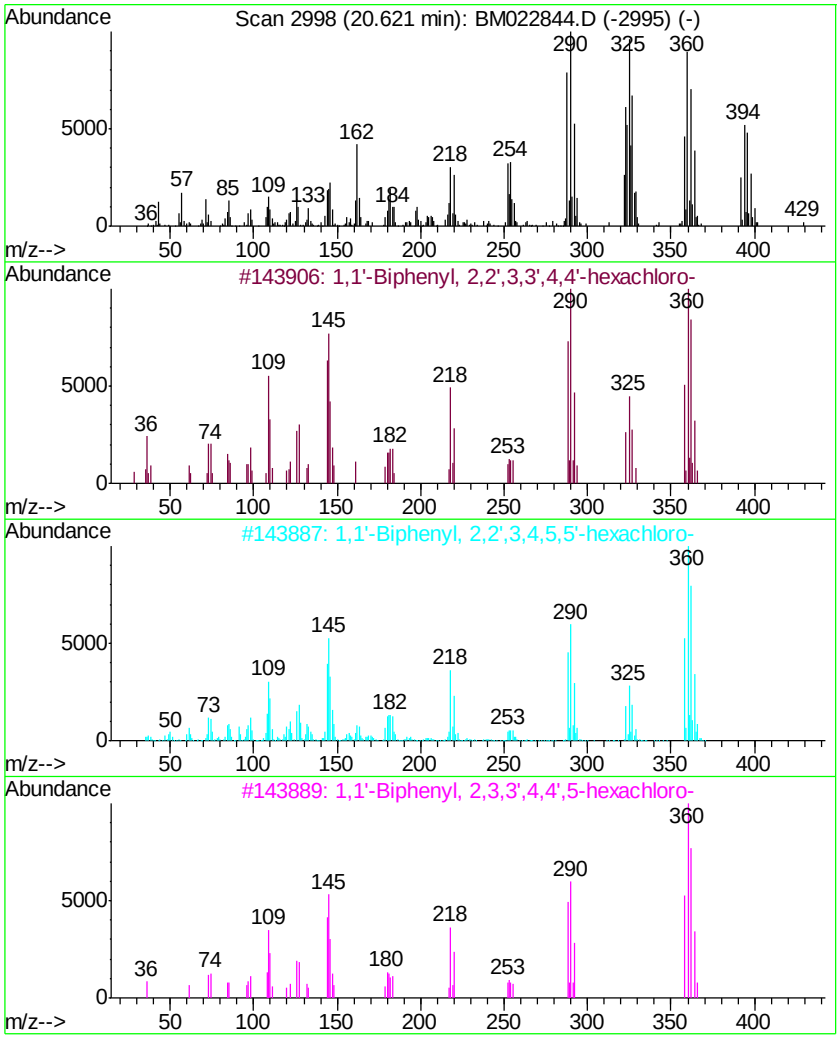
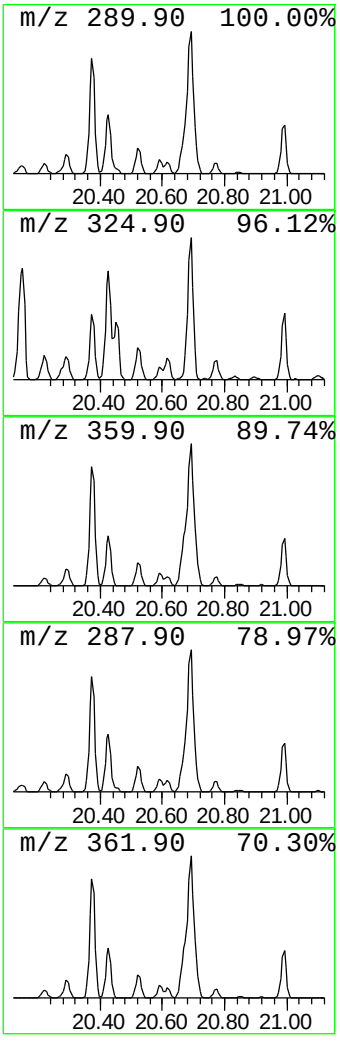
Peak Number 38 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	8.74 ng/ul	1430180	Chrysene-d12	21.36

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	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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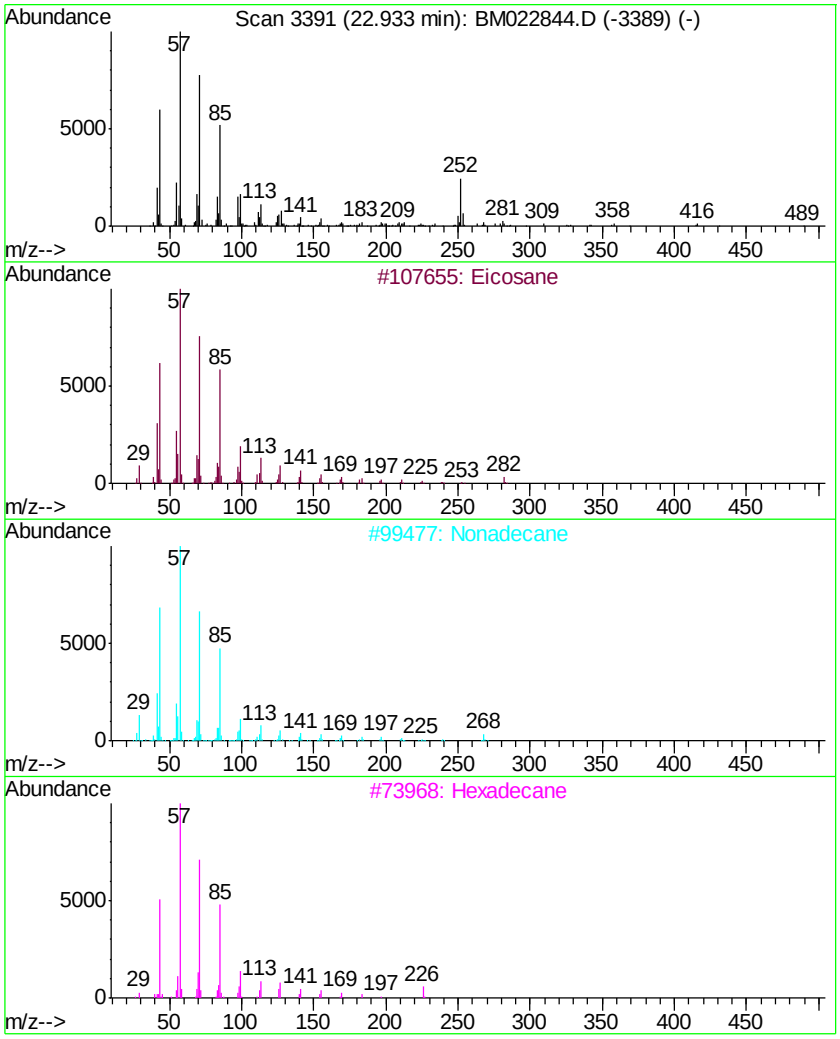
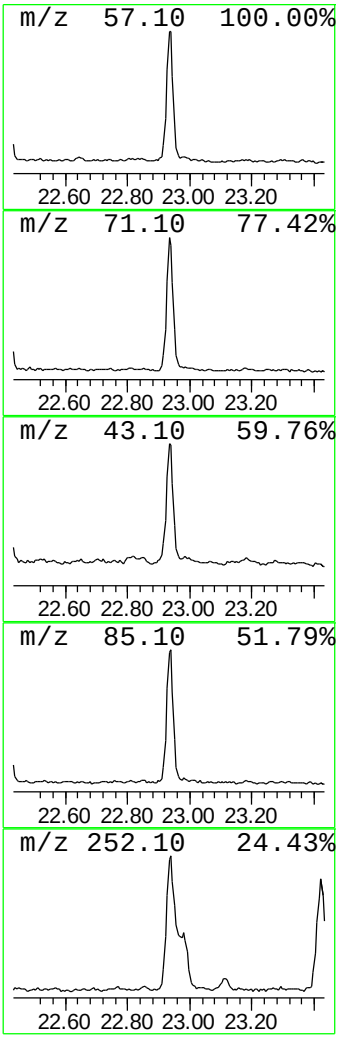
Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	2.22 ng/ul	310743	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Nonadecane	268	C19H40	000629-92-5	94
3	Hexadecane	226	C16H34	000544-76-3	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heneicosane	296	C21H44	000629-94-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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

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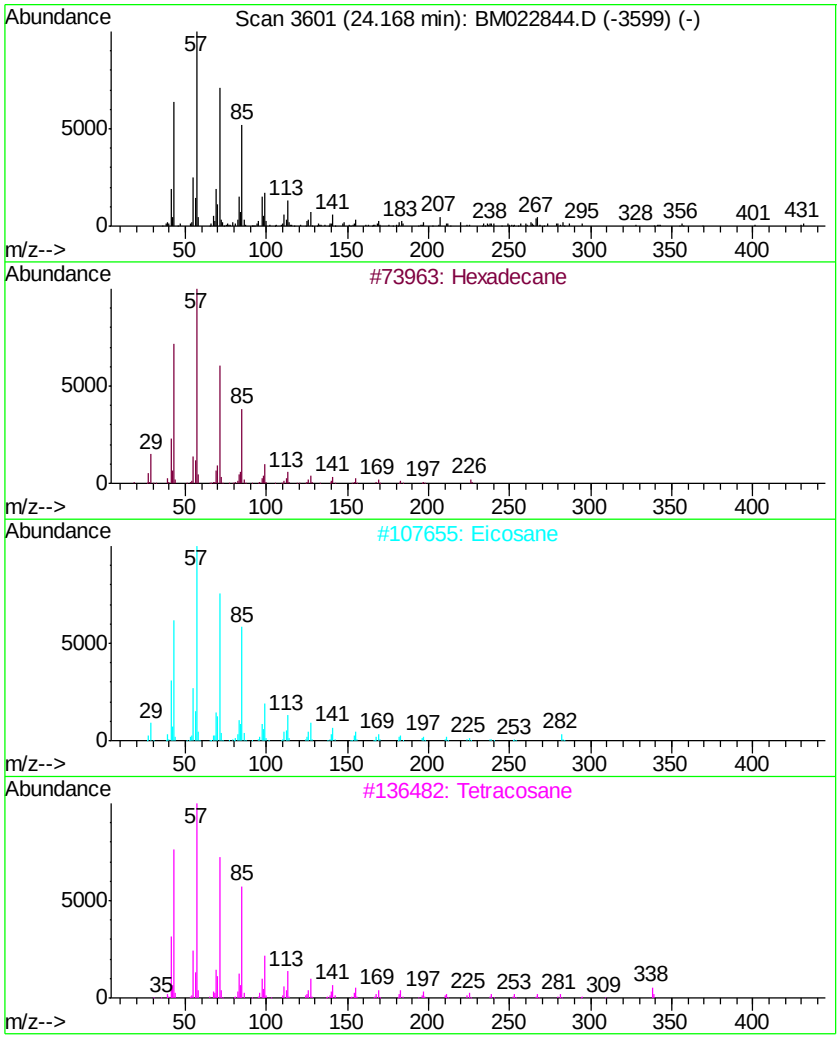
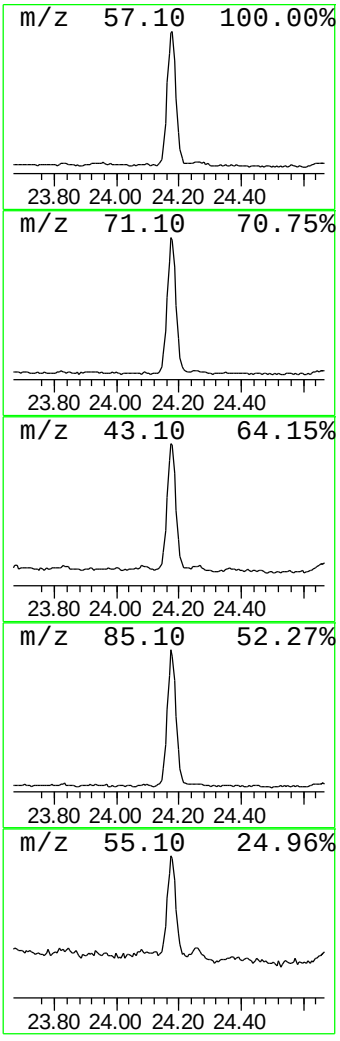
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	3.64 ng/ul	510805	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Tetracosane	338	C24H50	000646-31-1	91
4	Nonacosane	408	C29H60	000630-03-5	90
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022844.D
Acq On : 01 Oct 2019 03:48
Operator : JU
Sample : K5027-01
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AW3

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	146730	1	7.80	1377430	20.0
(DEL) Alkane: Str...	3.19	6.3	ng/ul	435650	1	7.80	1377430	20.0
Cyclotrisiloxane,...	4.46	2.1	ng/ul	143987	1	7.80	1377430	20.0
1,1'-Biphenyl, 2,...	17.78	2.5	ng/ul	436128	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.25	90.9	ng/ul	15855300	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.31	20.3	ng/ul	3539030	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.53	39.4	ng/ul	6867720	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.58	2.7	ng/ul	469582	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.67	3.0	ng/ul	528926	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	18.81	2.1	ng/ul	366632	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	19.02	15.3	ng/ul	2667140	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	19.10	134.0	ng/ul	23368000	4	17.18	3488480	20.0
1,1'-Biphenyl, 2,...	19.39	188.4	ng/ul	30836200	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	19.52	2.4	ng/ul	397098	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	19.57	9.3	ng/ul	1514190	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	19.97	7.8	ng/ul	1283430	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	20.10	85.3	ng/ul	13963000	5	21.36	3272540	20.0
1,1'-Biphenyl, 3,...	20.37	90.6	ng/ul	14828200	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	20.52	22.6	ng/ul	3690250	5	21.36	3272540	20.0
1,1'-Biphenyl, 2,...	20.62	8.7	ng/ul	1430180	5	21.36	3272540	20.0
(DEL) Alkane: Str...	22.93	2.2	ng/ul	310743	6	23.62	2804440	20.0
(DEL) Alkane: Str...	24.17	3.6	ng/ul	510805	6	23.62	2804440	20.0