LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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_N\METHODS\SOM-EPA-BN091619MA.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	3.034	6	8	16	rVB	431392	454050	3.03%	0.377%
2	3.116	18	22	25	rVV2	166309	216133	1.44%	0.179%
3	3.164	28	30	32	rVV	72096	67417	0.45%	0.056%
4	3.199	32	36	43	rVB	1417928	1376878	9.18%	1.142%
5	3.499	83	87	88	rBV3	12857	16395	0.11%	0.014%
6	3.522	88	91	96	rVB	100959	113879	0.76%	0.094%
7	3.975	163	168	175	rVB	41284	56905	0.38%	0.047%
8	4.416	239	243	247	rVB	39749	46920	0.31%	0.039%
9	4.611	273	276	281	rVB5	17429	23534	0.16%	0.020%
10	5.205	374	377	384	rVB6	10953	18319	0.12%	0.015%
11	7.704	794	802	815	rBV	2489871	3954457	26.37%	3.281%
12	7.846	822	826	830	rBV2	26286	35014	0.23%	0.029%
13	10.181	1218	1223	1229	rBV6	11807	18600	0.12%	0.015%
14	10.475	1263	1273	1281	rBV	3218590	5315415	35.44%	4.410%
15	10.634	1295	1300	1305	rVB6	10180	23000	0.15%	0.019%
16	10.745	1314	1319	1325	rVB8	15663	28780	0.19%	0.024%
17	10.904	1339	1346	1350	rBV7	8907	17642	0.12%	0.015%
18	10.957	1350	1355	1362	rVV6	14089	25733	0.17%	0.021%
19	11.169	1388	1391	1397	rVB5	8986	15893	0.11%	0.013%
20	12.834	1667	1674	1681	rBV5	20190	33248	0.22%	0.028%
21	13.145	1722	1727	1732	rBV	64317	90970	0.61%	0.075%
22	13.369	1760	1765	1768	rBV6	13409	19147	0.13%	0.016%
23	13.439	1774	1777	1785	rVB8	17391	32270	0.22%	0.027%
24	13.687	1813	1819	1822	rBV8	8511	15160	0.10%	0.013%
25	13.822	1836	1842	1846	rBV5	17161	29747	0.20%	0.025%
26	13.957	1861	1865	1869	rBV	15515	25222	0.17%	0.021%
27	14.334	1921	1929	1937	rBV	4748108	7110083	47.41%	5.899%
28	14.663	1983	1985	1989	rVB2	16441	18579	0.12%	0.015%
29	15.328	2092	2098	2101	rBV4	10603	17259	0.12%	0.014%
30	16.651	2319	2323	2331	rBV4	22270	39790	0.27%	0.033%
31	16.728	2331	2336	2340	rVB5	28505	38484	0.26%	0.032%
32	16.863	2352	2359	2362	rBV3	22939	35465	0.24%	0.029%
33	16.957	2372	2375	2378	rVB5	16947	21153	0.14%	0.018%
34	17.075	2388	2395	2407	rBV2	6215977	8623672	57.50%	7.155%

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Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Title : SVOA CALIBRATION

35	17.175	2407	2412	2415	rVB	22445	32894	0.22%	0.027%
36	17.263	2421	2427	2432	rBV6	36058	63423	0.42%	0.053%
37	17.380	2443	2447	2451	rBV6	7477	15292	0.10%	0.013%
38	17.533	2468	2473	2475	rBV5	16016	24074	0.16%	0.020%
39	17.680	2492	2498	2503	rBV2	107191	197982	1.32%	0.164%
40	17.798	2514	2518	2524	rVB7	45222	70787	0.47%	0.059%
41	17.927	2536	2540	2545	rBV5	52300	78282	0.52%	0.065%
42	17.986	2545	2550	2556	rVV4	84271	133527	0.89%	0.111%
43	18.151	2572	2578	2583	rBV	1715964	2200296	14.67%	1.826%
44	18.210	2583	2588	2592	rVV	383911	507562	3.38%	0.421%
45	18.251	2592	2595	2600	rVV2	84230	119109	0.79%	0.099%
46	18.298	2600	2603	2607	rVB5	15728	21107	0.14%	0.018%
47	18.439	2621	2627	2631	rBV	711054	984948	6.57%	0.817%
48	18.486	2631	2635	2641	rVB6	50013	81164	0.54%	0.067%
49	18.580	2647	2651	2653	rBV2	44538	57752	0.39%	0.048%
50	18.610	2653	2656	2662	rVB	243534	315218	2.10%	0.262%
51	18.680	2664	2668	2670	rBV4	39940	52987	0.35%	0.044%
52	18.716	2670	2674	2677	rVB5	50664	64971	0.43%	0.054%
53	18.863	2696	2699	2703	rVB5	31711	38122	0.25%	0.032%
54	18.922	2705	2709	2713	rVV	330991	447473	2.98%	0.371%
55	18.974	2713	2718	2720	rVV	1155371	1554179	10.36%	1.290%
56	19.004	2720	2723	2731	rVB2	2649551	3457882	23.06%	2.869%
57	19.086	2733	2737	2742	rBV2	384033	471892	3.15%	0.392%
58	19.133	2742	2745	2749	rVB2	21496	28947	0.19%	0.024%
59	19.210	2753	2758	2766	rBV2	613197	1061496	7.08%	0.881%
60	19.286	2766	2771	2777	rVB	3845949	5317923	35.46%	4.412%
61	19.351	2777	2782	2790	rVB	1413843	1725232	11.50%	1.431%
62	19.427	2790	2795	2798	rBV5	53552	75850	0.51%	0.063%
63	19.480	2800	2804	2808	rBV4	179657	251667	1.68%	0.209%
64	19.551	2811	2816	2821	rBV	1117868	1350671	9.01%	1.121%
65	19.627	2821	2829	2834	rBV	1845885	2338583	15.59%	1.940%
66	19.680	2834	2838	2841	rBV	589837	694710	4.63%	0.576%
67	19.733	2841	2847	2853	rVB	3845133	5032530	33.56%	4.176%
68	19.880	2864	2872	2874	rBV2	443650	884848	5.90%	0.734%
69	19.904	2874	2876	2882	rVV2	288828	476083	3.17%	0.395%
70	19.951	2882	2884	2887	rVV2	202641	221748	1.48%	0.184%
71	20.004	2887	2893	2897	rVV2	1609696	2268641	15.13%	1.882%

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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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

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Peak separation: 5

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Title : SVOA CALIBRATION

72	20.051	2897	2901	2907	rVB	3610334	4157256	27.72%	3.449%
73	20.127	2910	2914	2919	rVB	191237	242528	1.62%	0.201%
74	20.204	2920	2927	2932	rVB3	346888	580514	3.87%	0.482%
75	20.280	2935	2940	2944	rBV	2046954	2356232	15.71%	1.955%
76	20.333	2944	2949	2951	rBV	1049652	1387693	9.25%	1.151%
77	20.357	2951	2953	2958	rVB	1521506	1573914	10.49%	1.306%
78	20.433	2962	2966	2972	rVB2	458443	574740	3.83%	0.477%
79	20.504	2974	2978	2980	rBV2	202580	257106	1.71%	0.213%
80	20.527	2980	2982	2986	rVV3	208436	236123	1.57%	0.196%
81	20.598	2986	2994	3001	rVB	2521424	4140744	27.61%	3.436%
82	20.680	3005	3008	3012	rVV2	169178	202254	1.35%	0.168%
83	20.745	3016	3019	3026	rVB6	147601	197028	1.31%	0.163%
84	20.810	3027	3030	3033	rBV4	88192	110515	0.74%	0.092%
85	20.904	3041	3046	3050	rBV	870878	1018580	6.79%	0.845%
86	21.010	3061	3064	3068	rBV4	205928	272922	1.82%	0.226%
87	21.151	3085	3088	3092	rVB2	358993	394816	2.63%	0.328%
88	21.198	3094	3096	3100	rVV2	123817	139080	0.93%	0.115%
89	21.268	3102	3108	3112	rBV	6868597	9153887	61.04%	7.595%
90	21.304	3112	3114	3122	rVB3	433361	541362	3.61%	0.449%
91	21.386	3124	3128	3133	rBV	344502	469806	3.13%	0.390%
92	21.545	3150	3155	3160	rBV	13090850	14997555	100.00%	12.444%
93	21.615	3164	3167	3174	rVB6	234830	325217	2.17%	0.270%
94	21.768	3189	3193	3198	rVB	2626003	3029043	20.20%	2.513%
95	21.880	3209	3212	3216	rBV2	151491	167754	1.12%	0.139%
96	22.345	3288	3291	3297	rVB	202151	262811	1.75%	0.218%
97	23.486	3478	3485	3493	rVB2	4578727	8438871	56.27%	7.002%
98	27.209	4109	4118	4134	rVB2	1459382	4599041	30.67%	3.816%

Sum of corrected areas: 120522457

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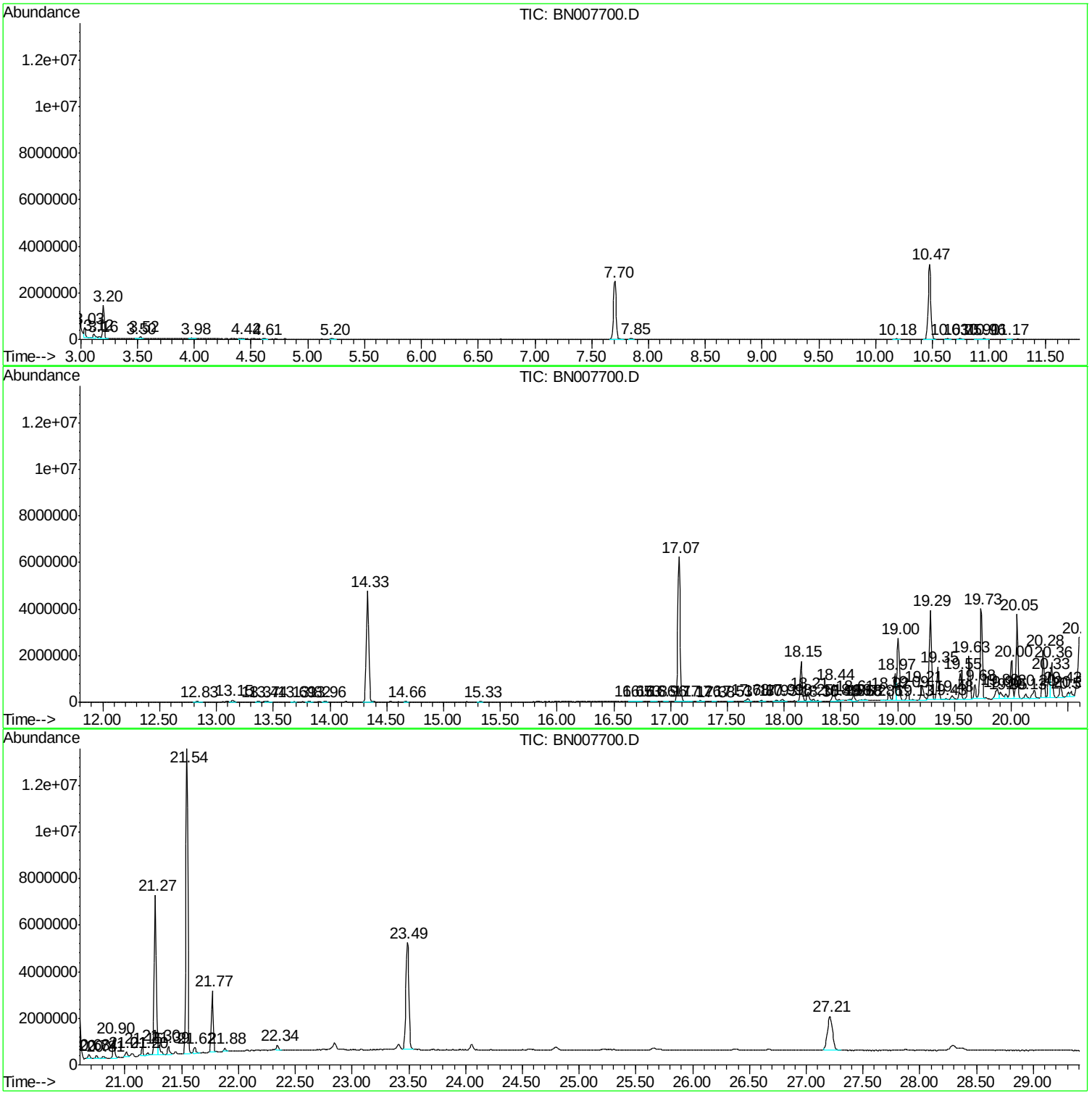
Instrument :
BNA_N
ClientSampleId :
C0AS8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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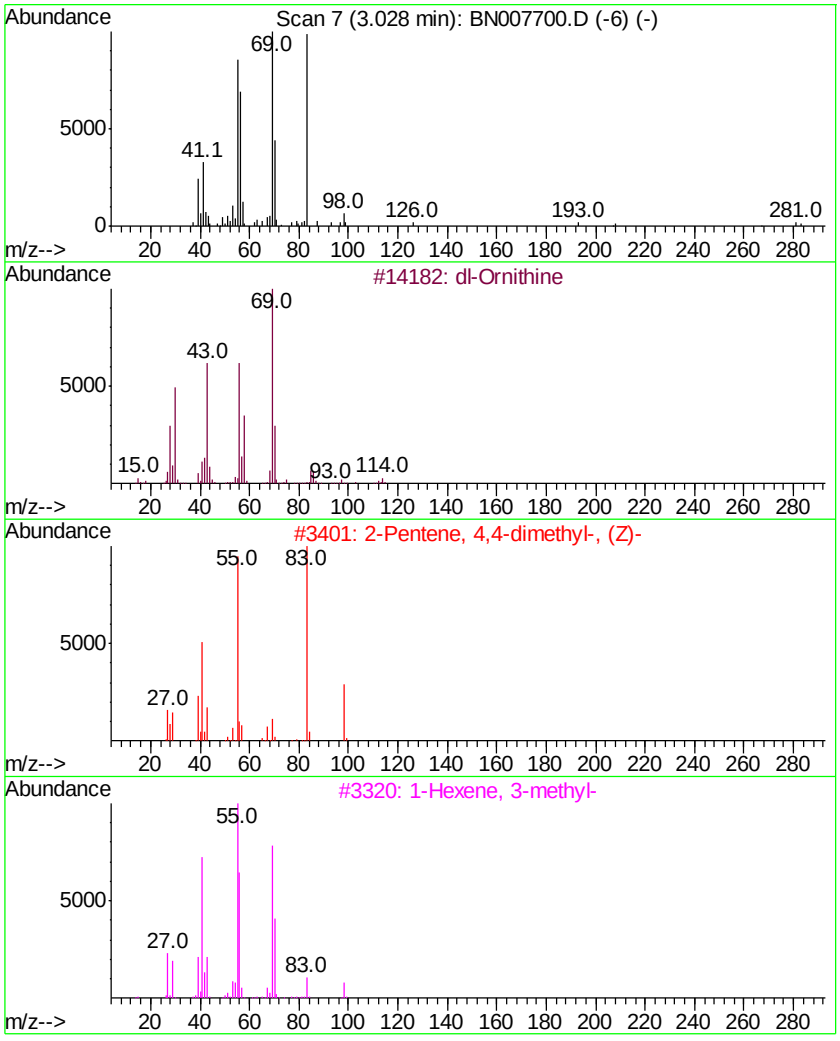
TIC Integration Parameters: LSCINT.P

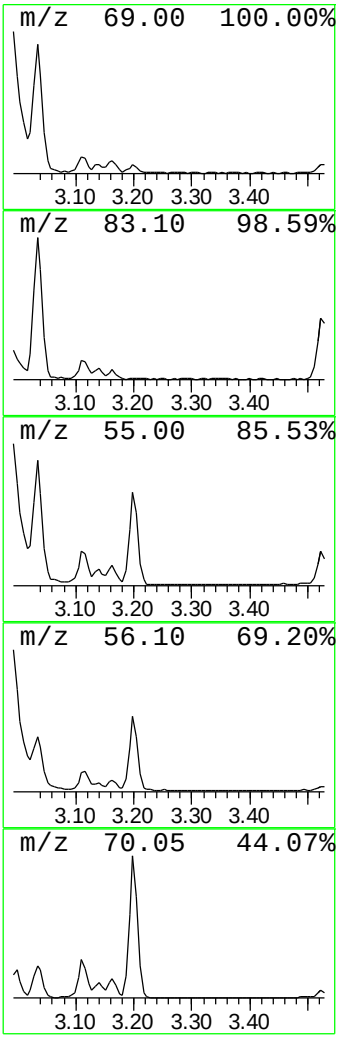
****

Peak Number 1 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	2.30 ng/ul	454050	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Ornithine	132	C5H12N2O2	000616-07-9	47
2	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	38
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	35
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	35





Library Search Compound Report

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Instrument : BNA_N
ClientSampleId : C0AS8

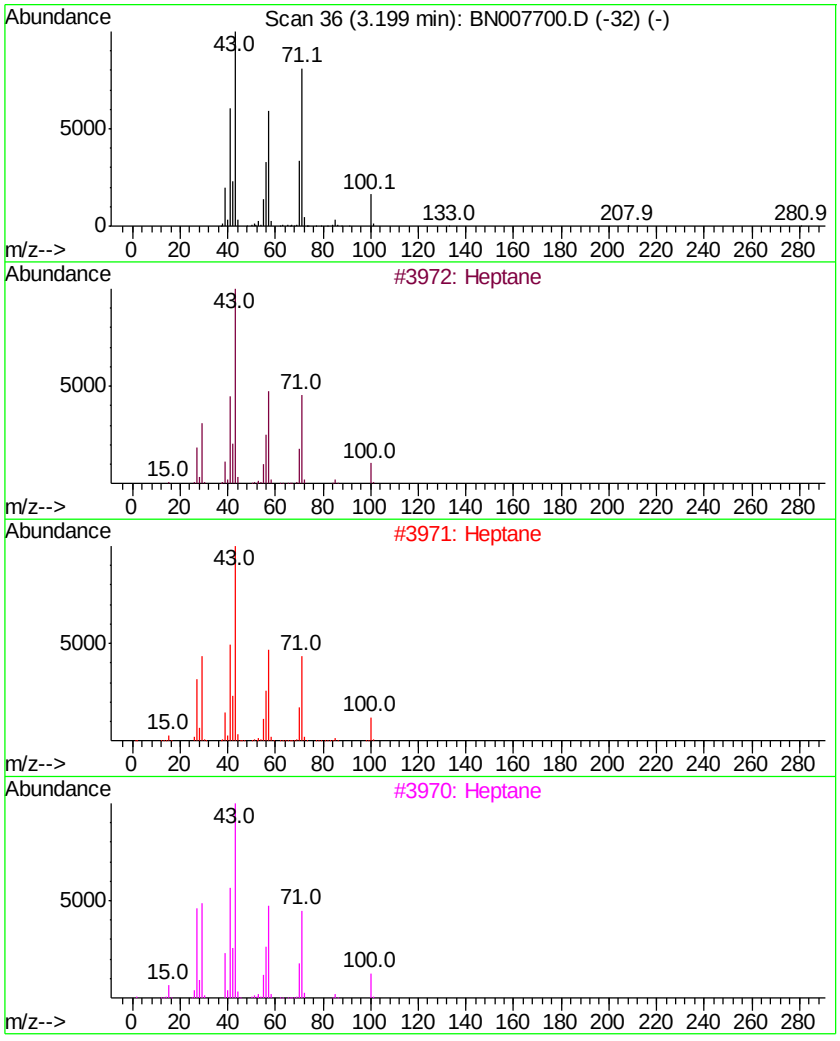
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

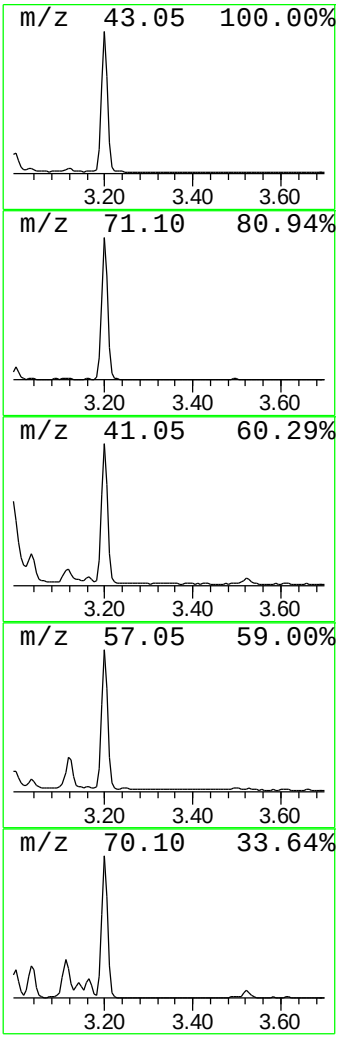
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.96 ng/ul	1376880	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	86
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59





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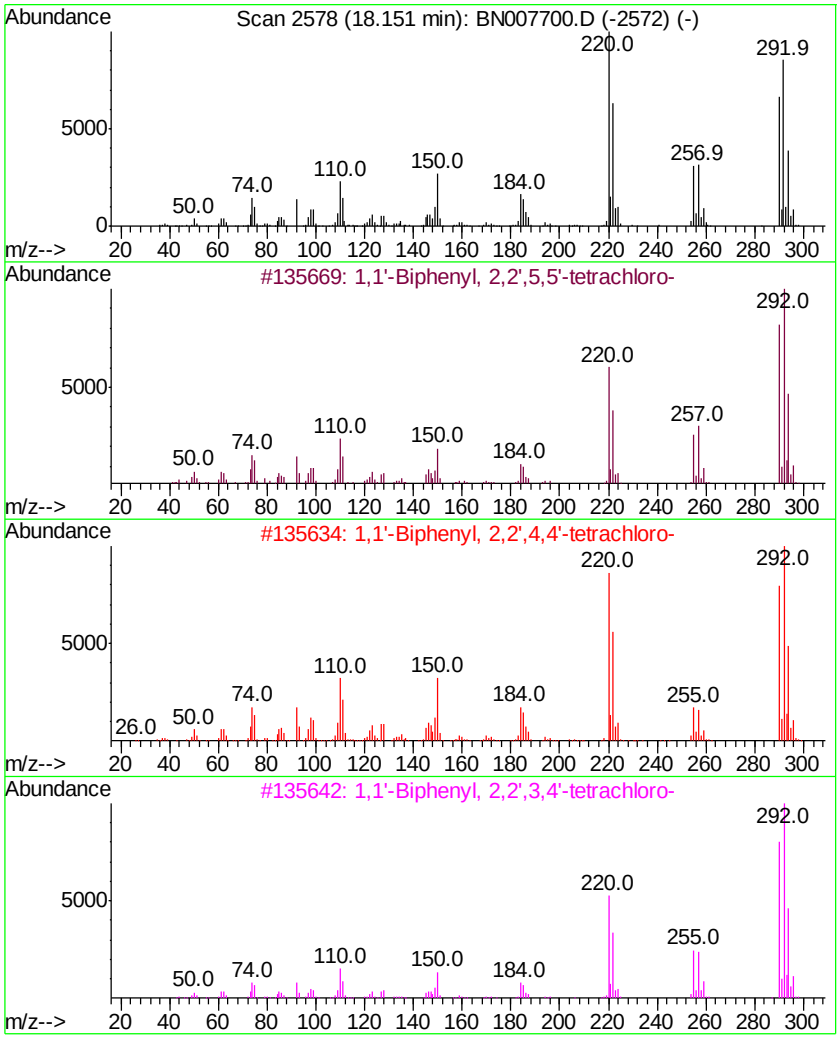
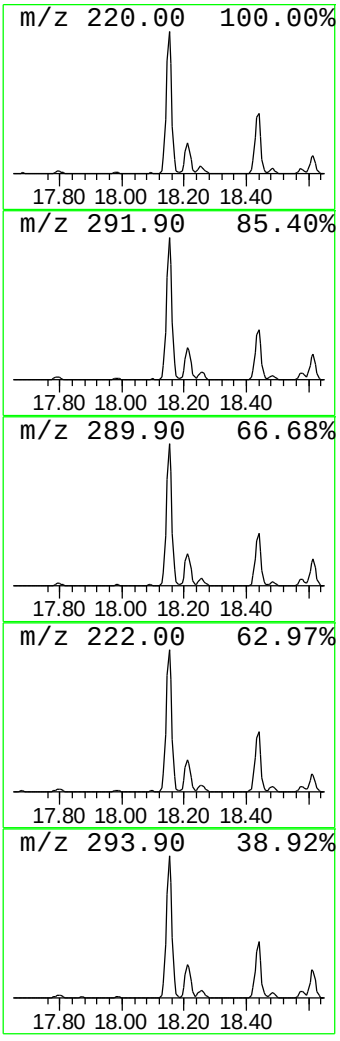
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.10 ng/ul	2200300	Phenanthrene-d10	17.07

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',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99





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Quant Title : SVOA CALIBRATION

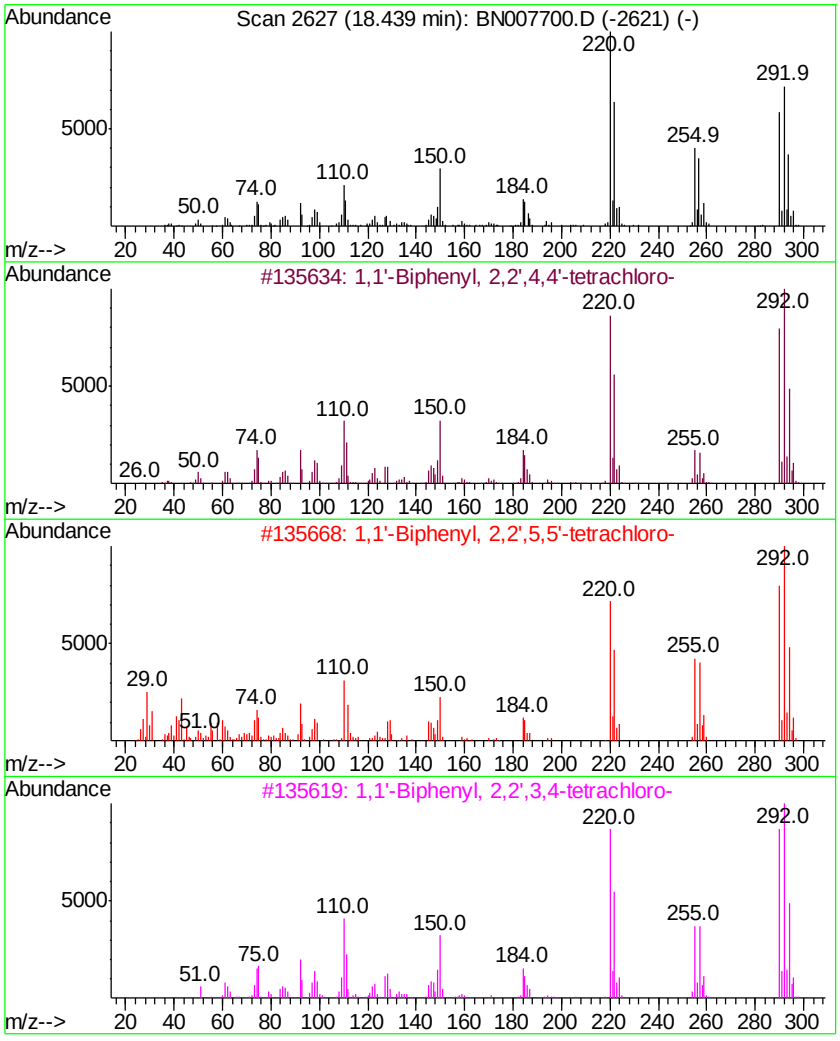
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

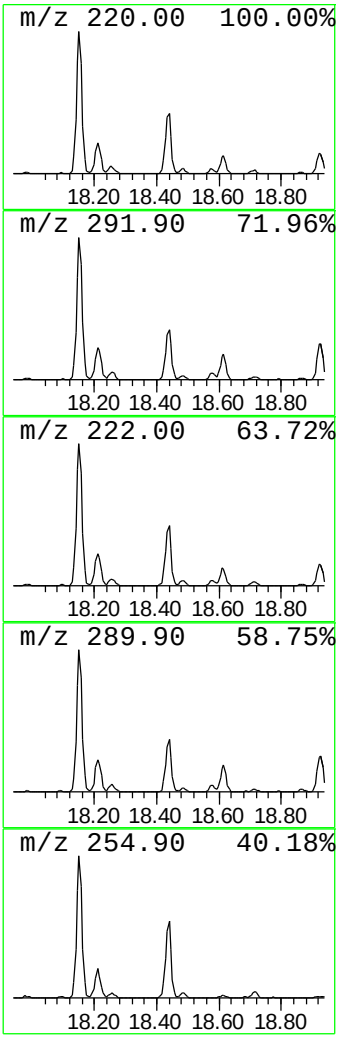
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.28 ng/ul	984948	Phenanthrene-d10	17.07

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',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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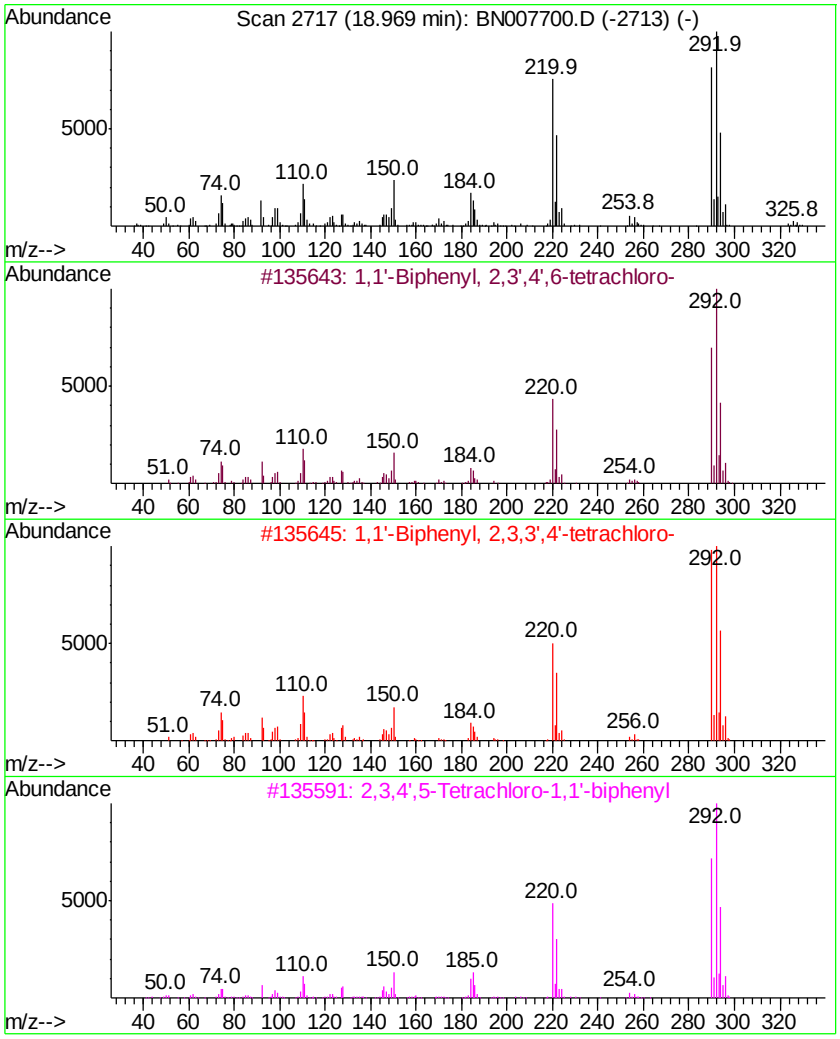
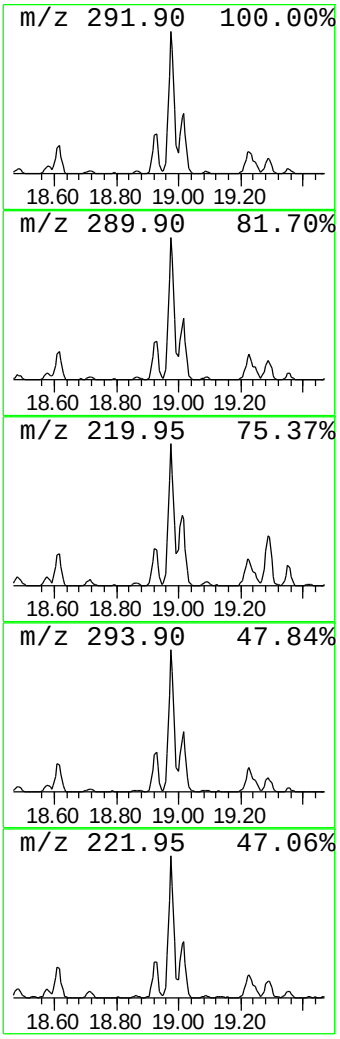
****

Peak Number 5 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.60 ng/ul	1554180	Phenanthrene-d10	17.07

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, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
4	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99





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Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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Quant Title : SVOA CALIBRATION

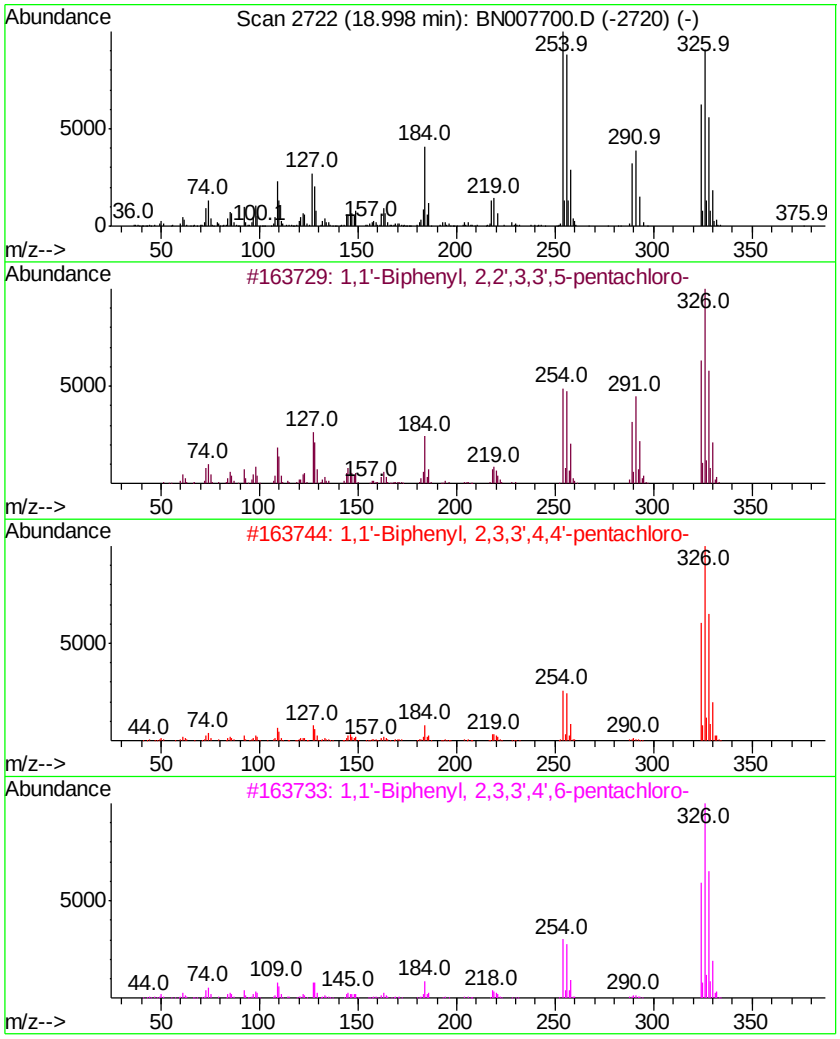
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

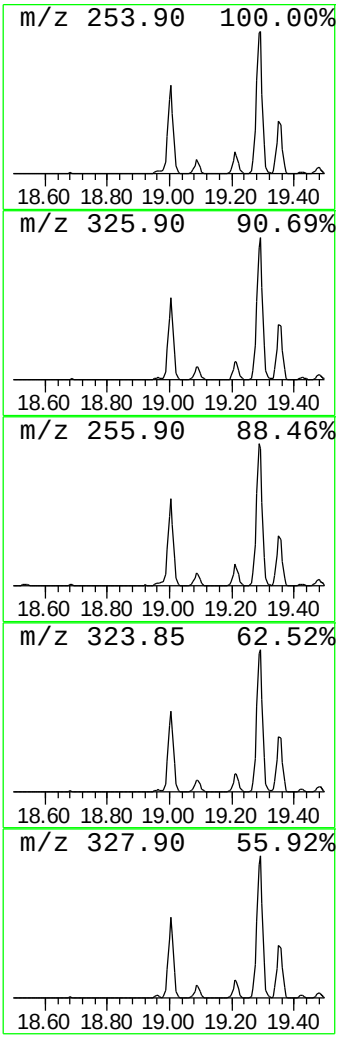
****

Peak Number 6 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	8.02 ng/ul	3457880	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	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-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99





Library Search Compound Report

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Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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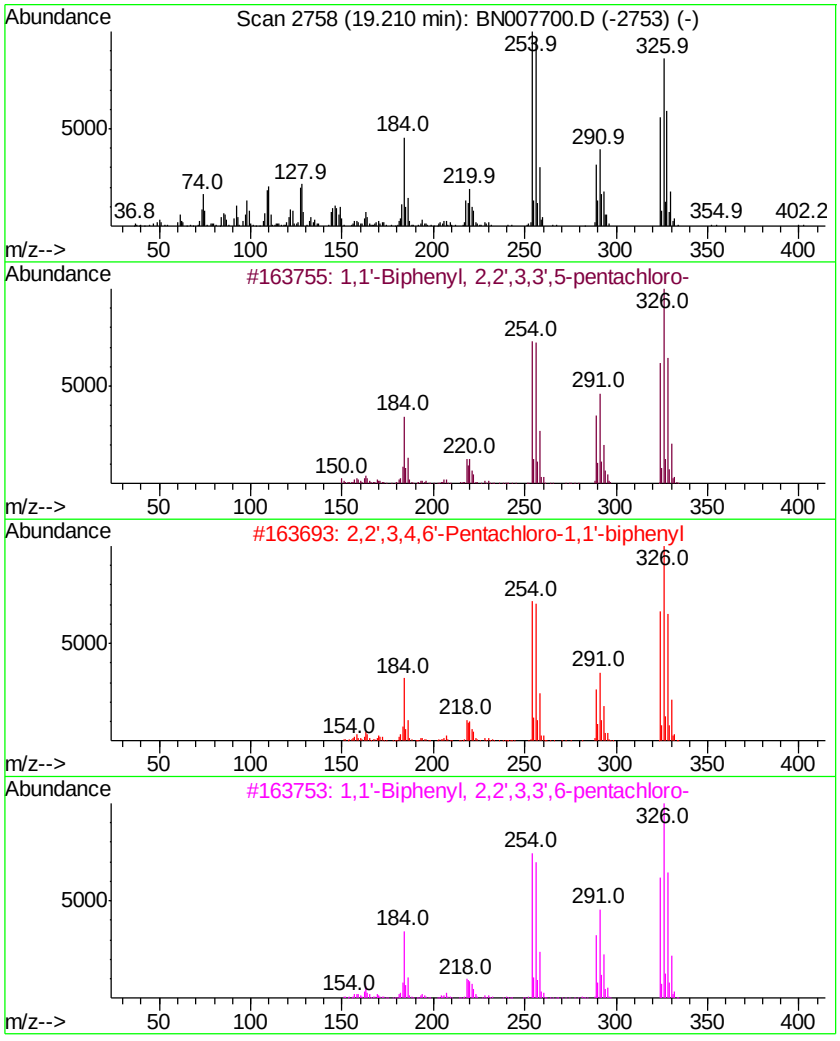
Quant Title : SVOA CALIBRATION

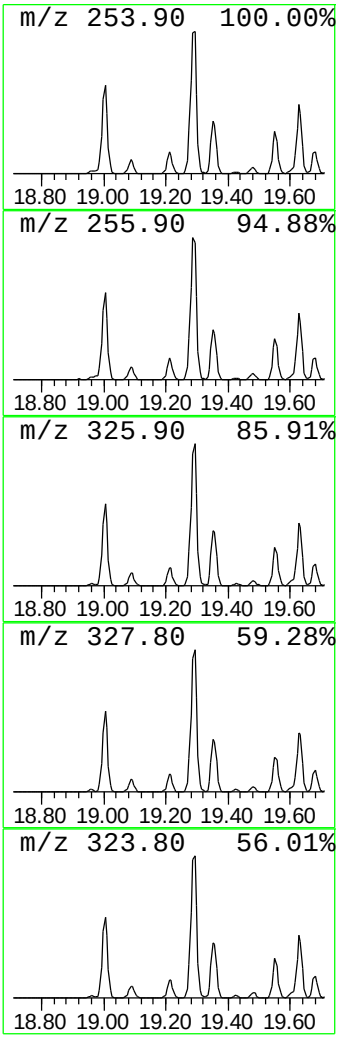
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2,2',3,4,6'-Pentachloro-1,1... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	2.32 ng/ul	1061500	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
2	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
3	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99





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Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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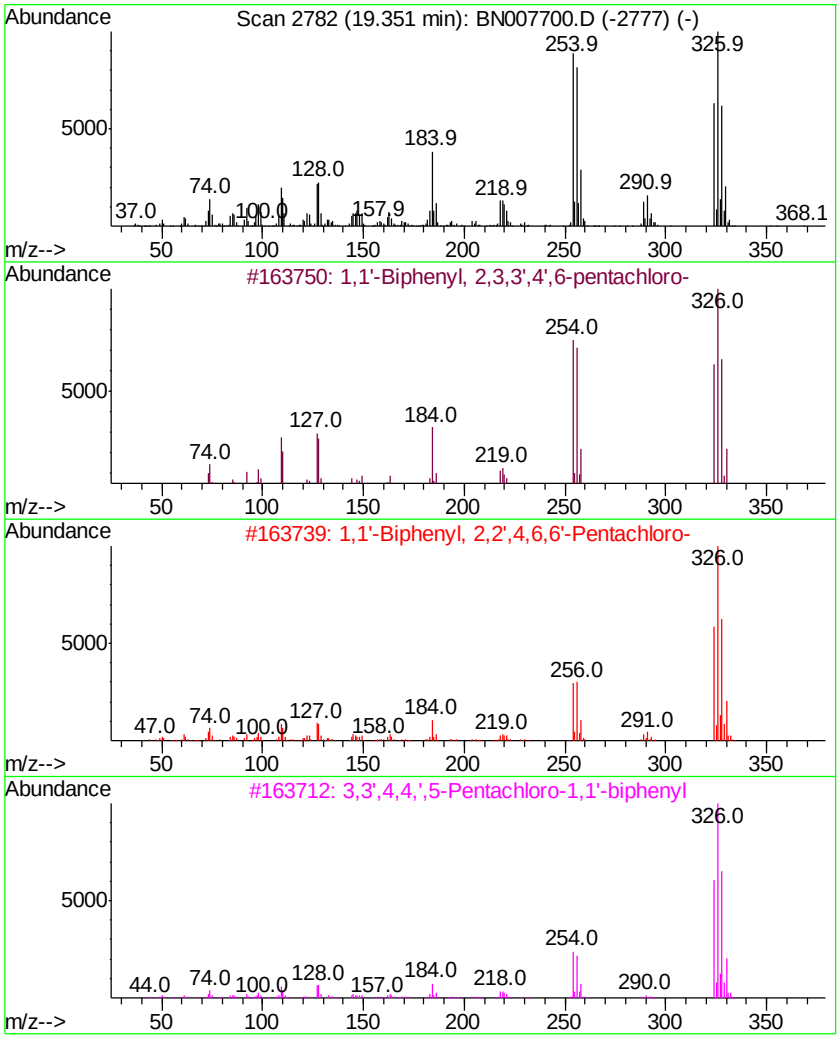
Quant Title : SVOA CALIBRATION

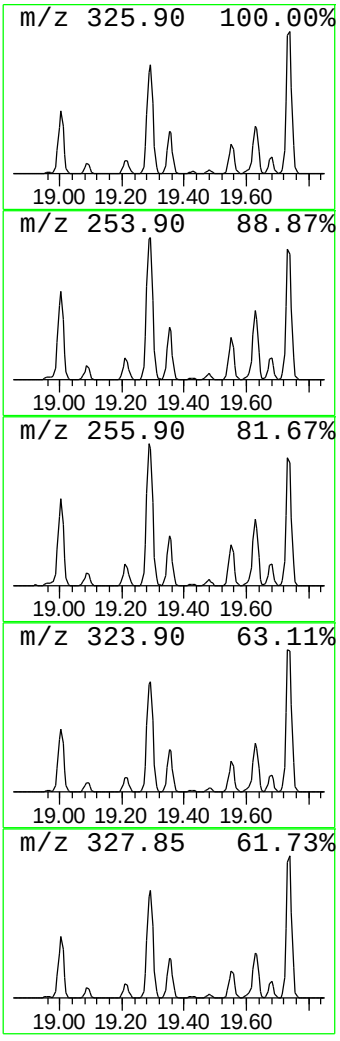
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	3.77 ng/ul	1725230	Chrysene-d12	21.27

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',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
3	3,3',4,4,',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99





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Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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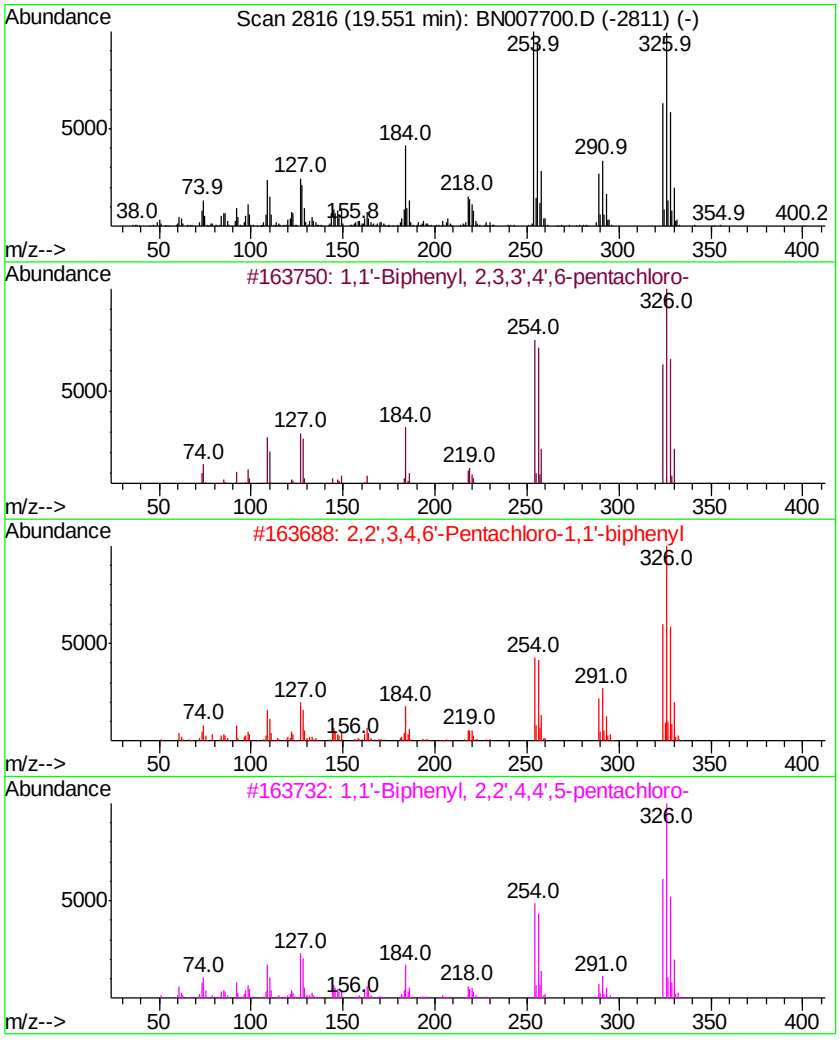
Quant Title : SVOA CALIBRATION

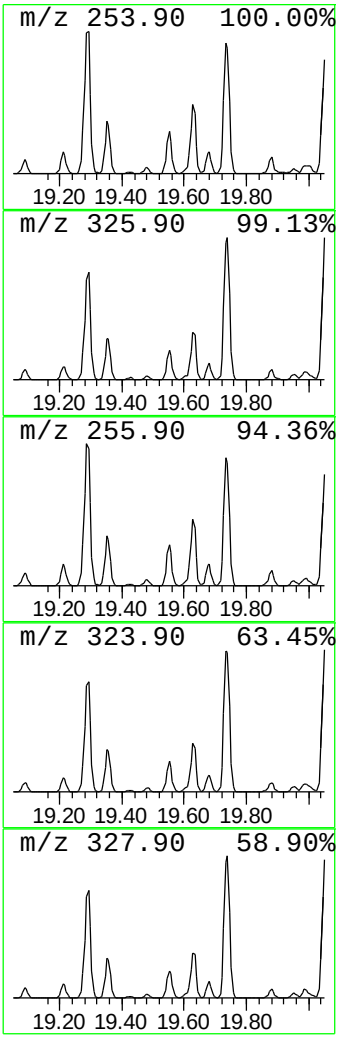
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	2.95 ng/ul	1350670	Chrysene-d12	21.27

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	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

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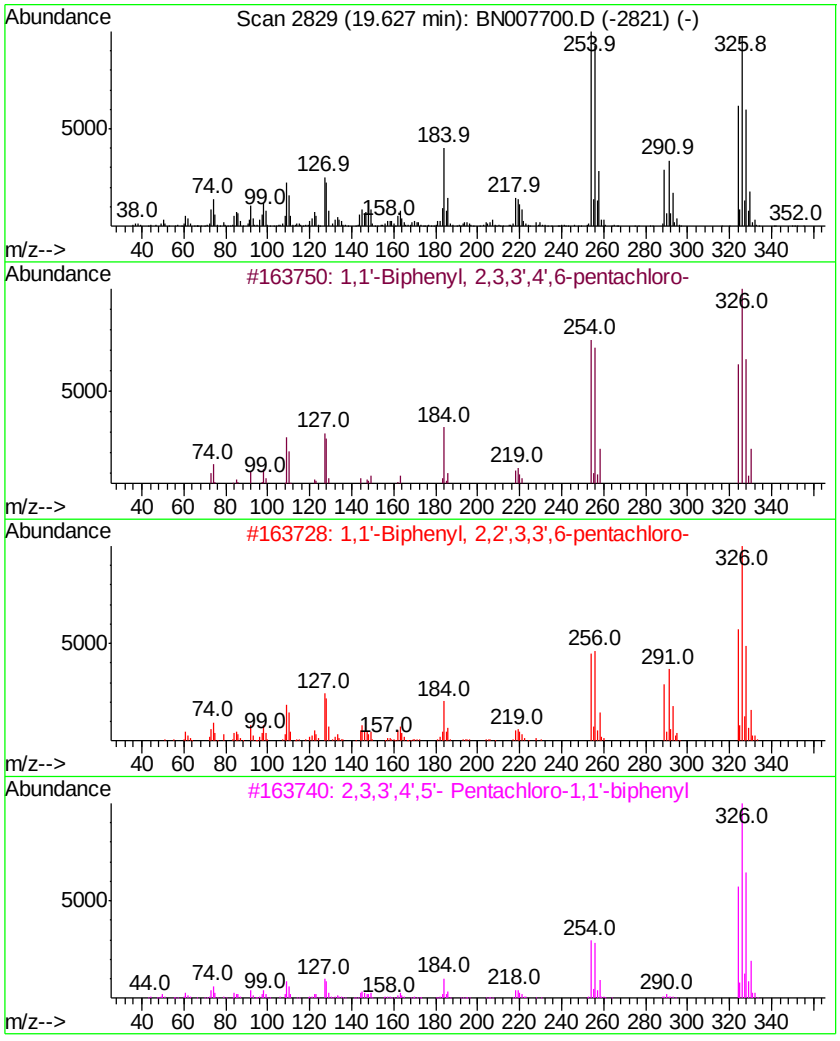
Quant Title : SVOA CALIBRATION

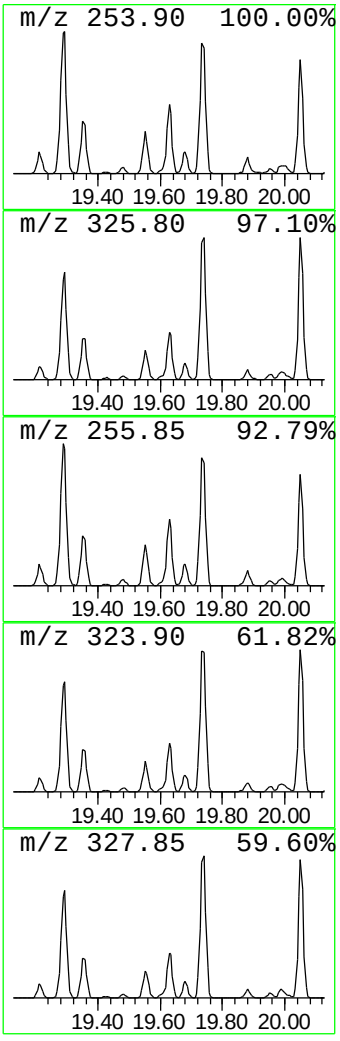
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	5.11 ng/ul	2338580	Chrysene-d12	21.27

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',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
4	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99





Library Search Compound Report

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Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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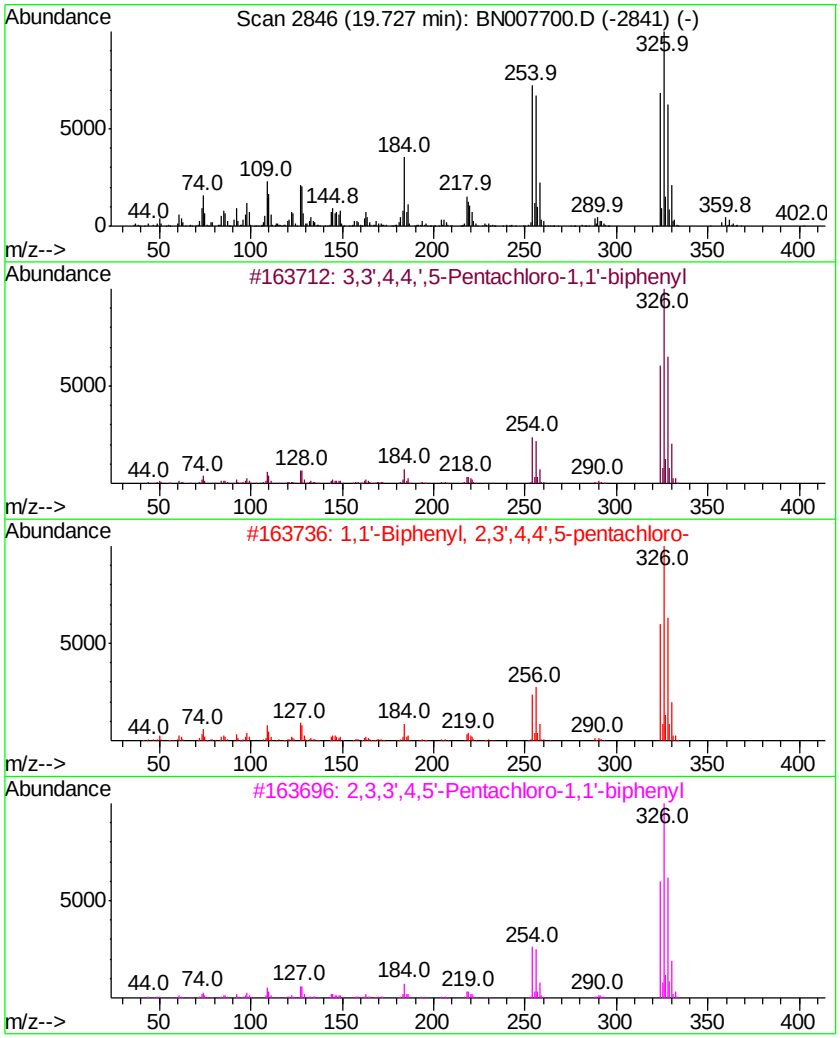
Quant Title : SVOA CALIBRATION

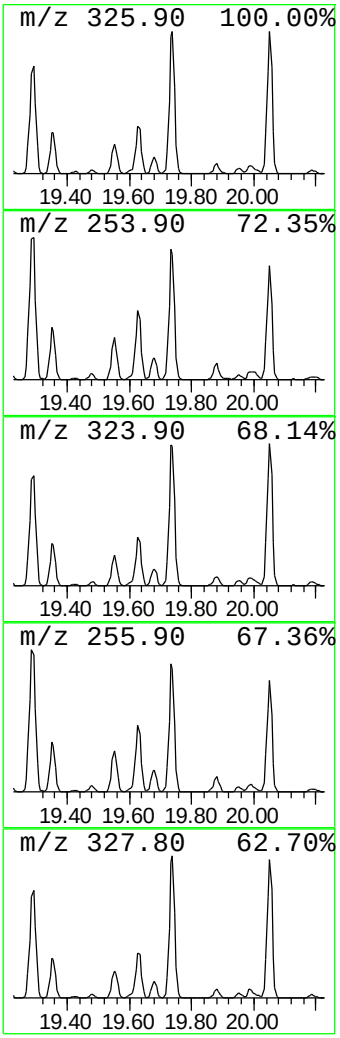
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 3,3',4,4',5-Pentachloro-1,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	11.00 ng/ul	5032530	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99





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Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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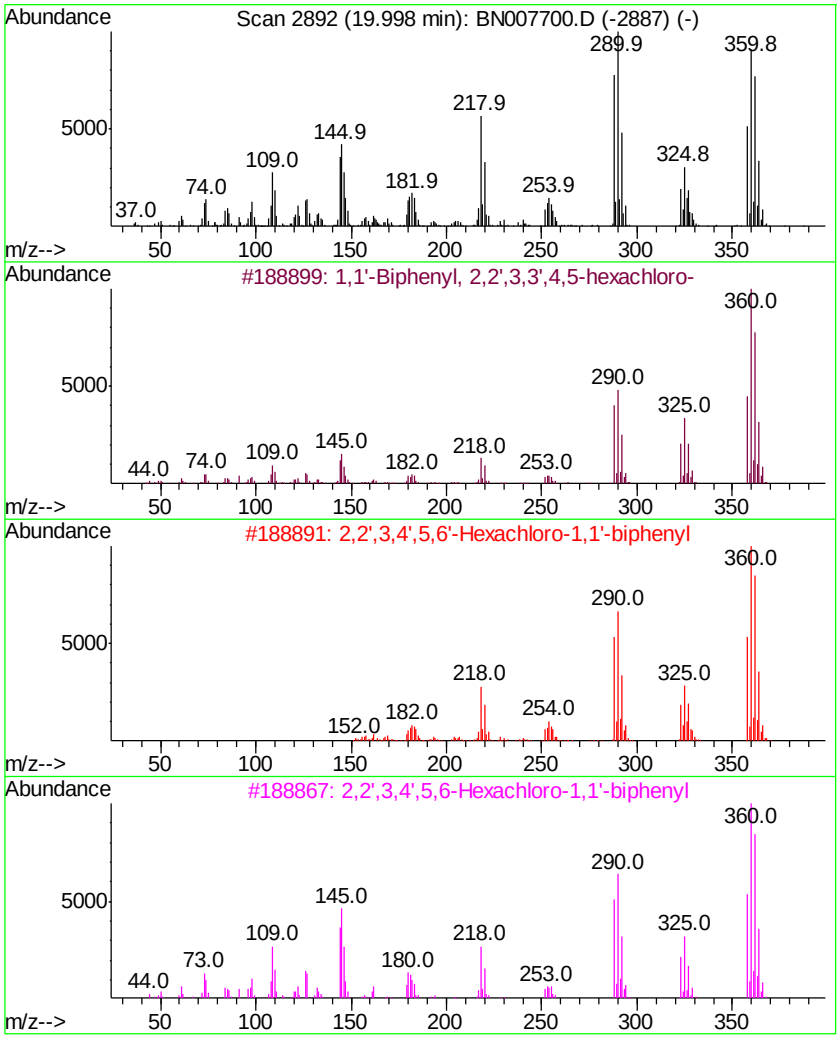
Quant Title : SVOA CALIBRATION

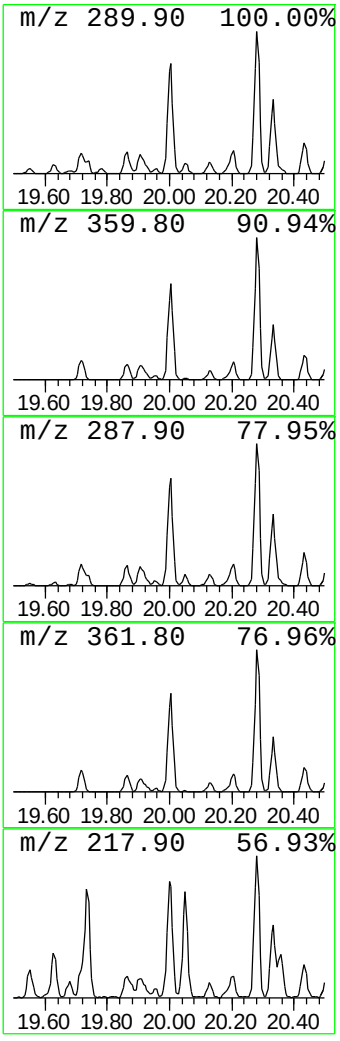
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	4.96 ng/ul	2268640	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
3	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
4	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99





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ALS Vial : 8 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

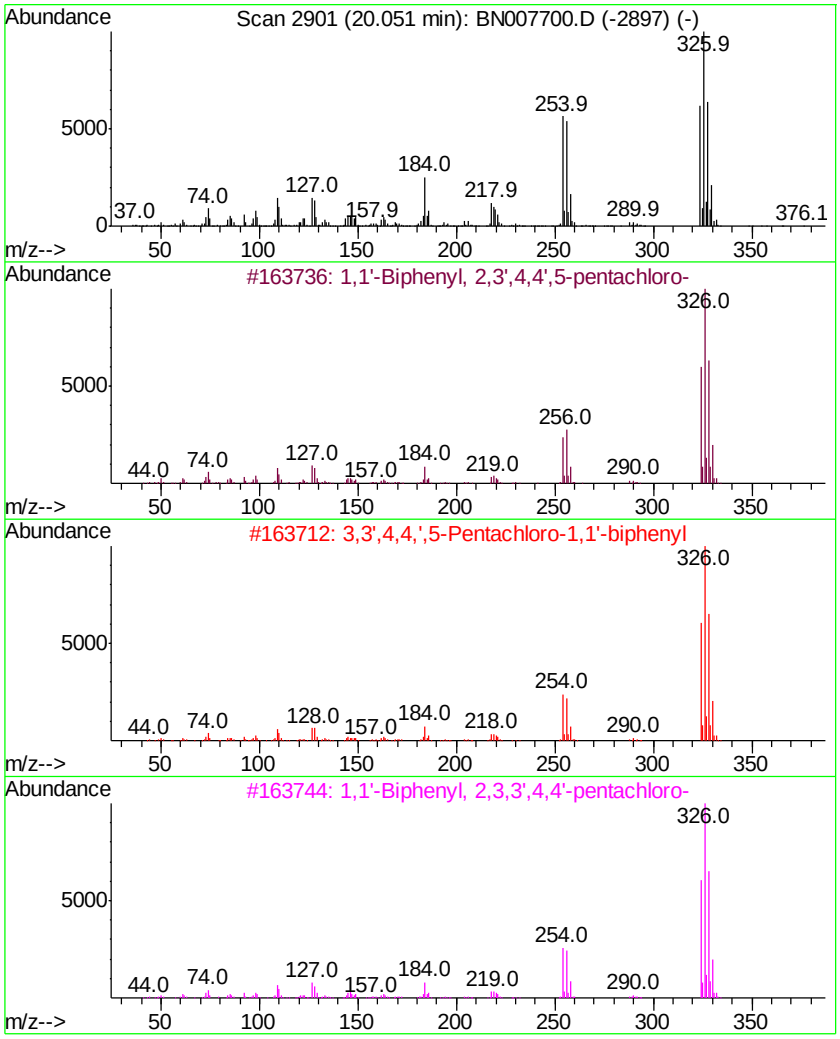
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

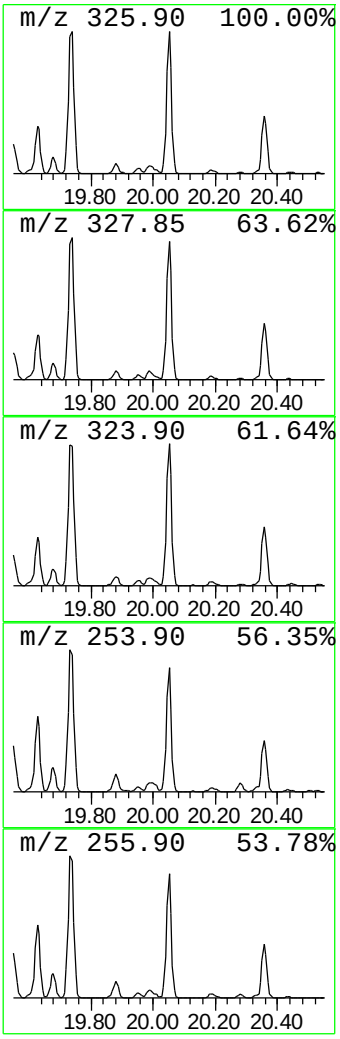
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	9.08 ng/ul	4157260	Chrysene-d12	21.27

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	3,3',4,4,',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

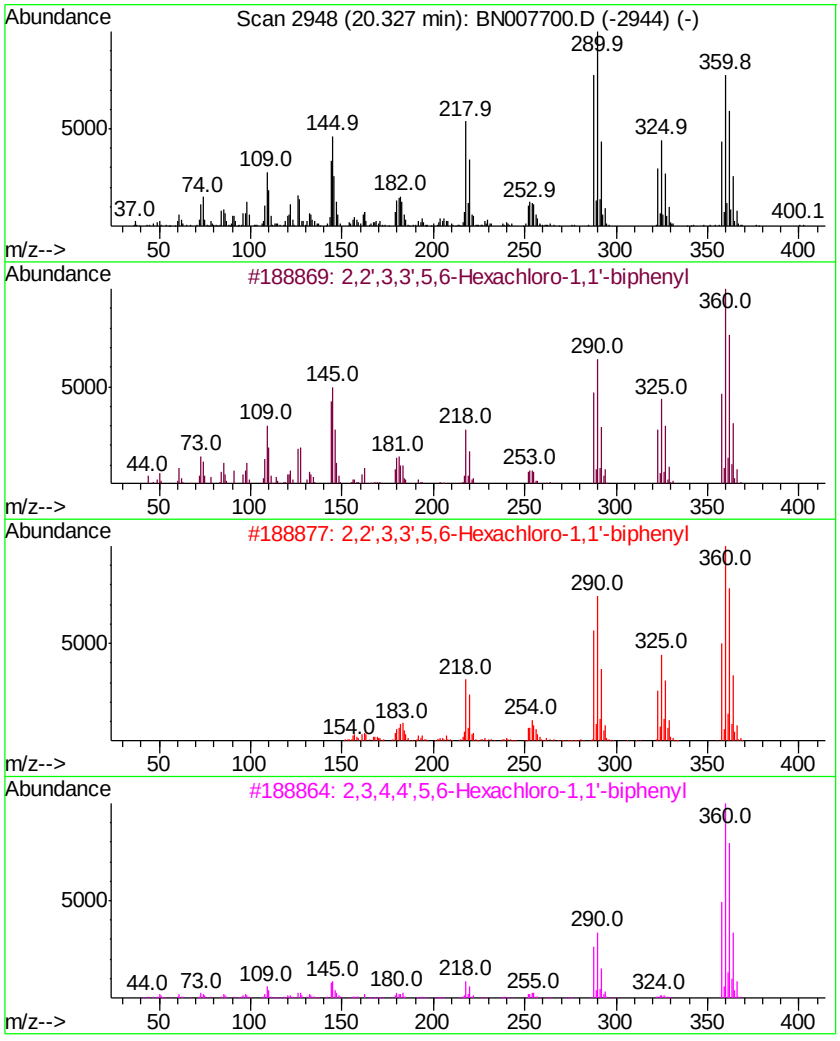
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

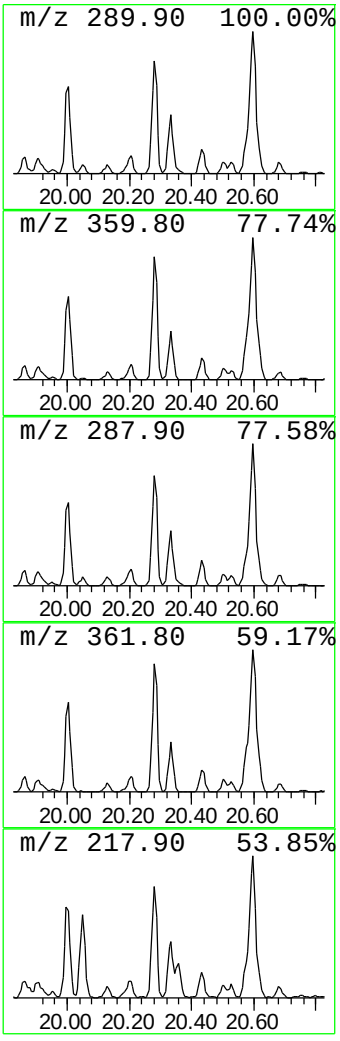
****

Peak Number 16 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	3.03 ng/ul	1387690	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
2	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
3	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99





Library Search Compound Report

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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

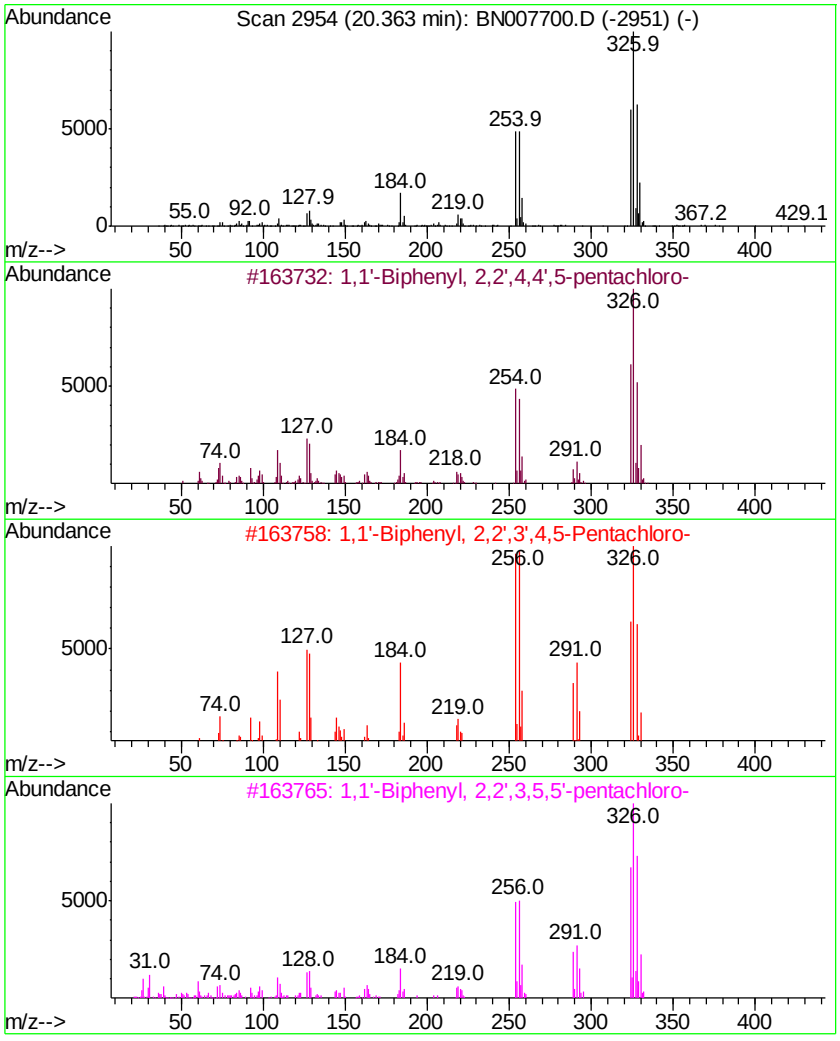
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

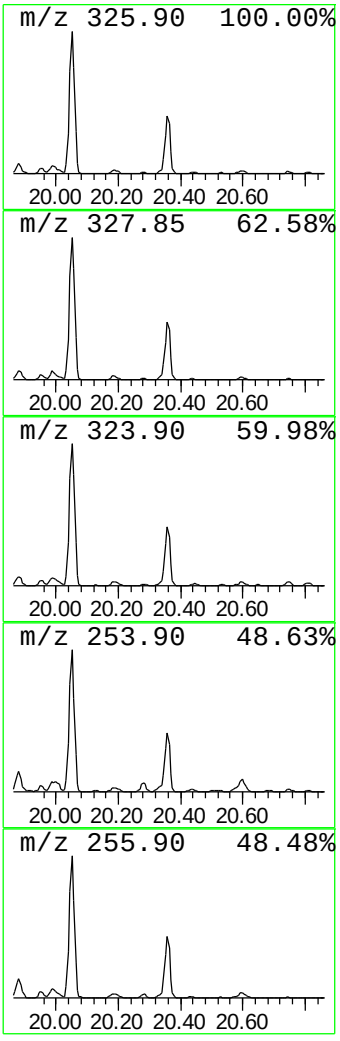
****

Peak Number 17 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	3.44 ng/ul	1573910	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	98
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	96





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Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

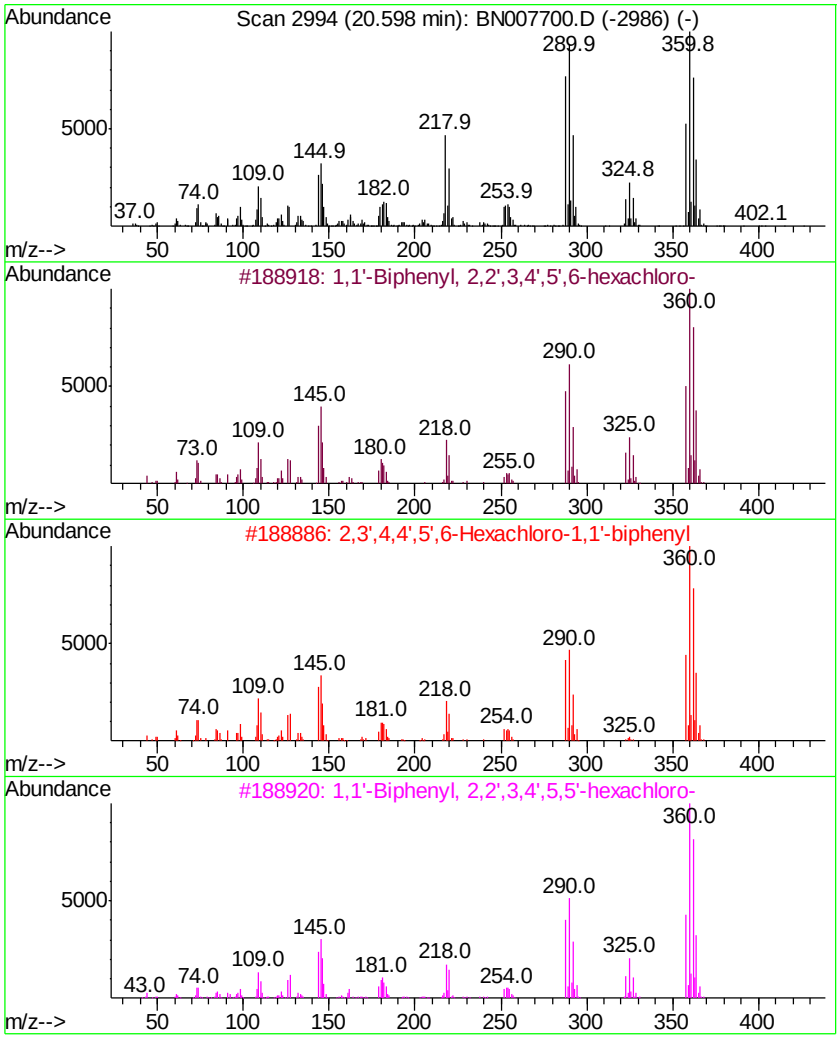
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

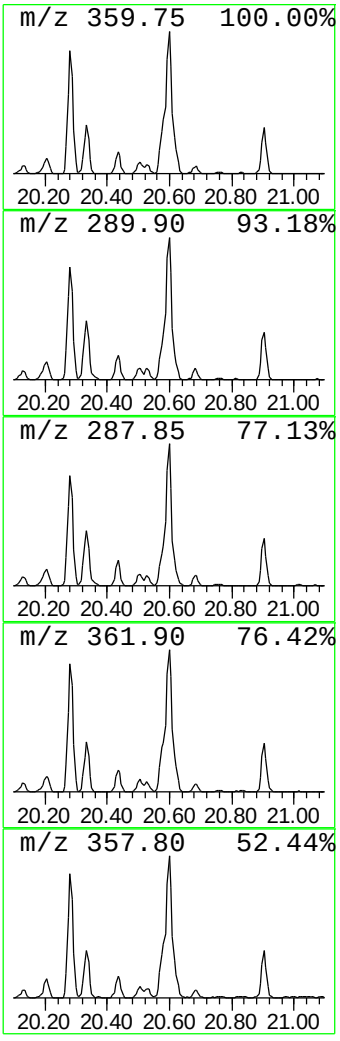
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	9.05 ng/ul	4140740	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

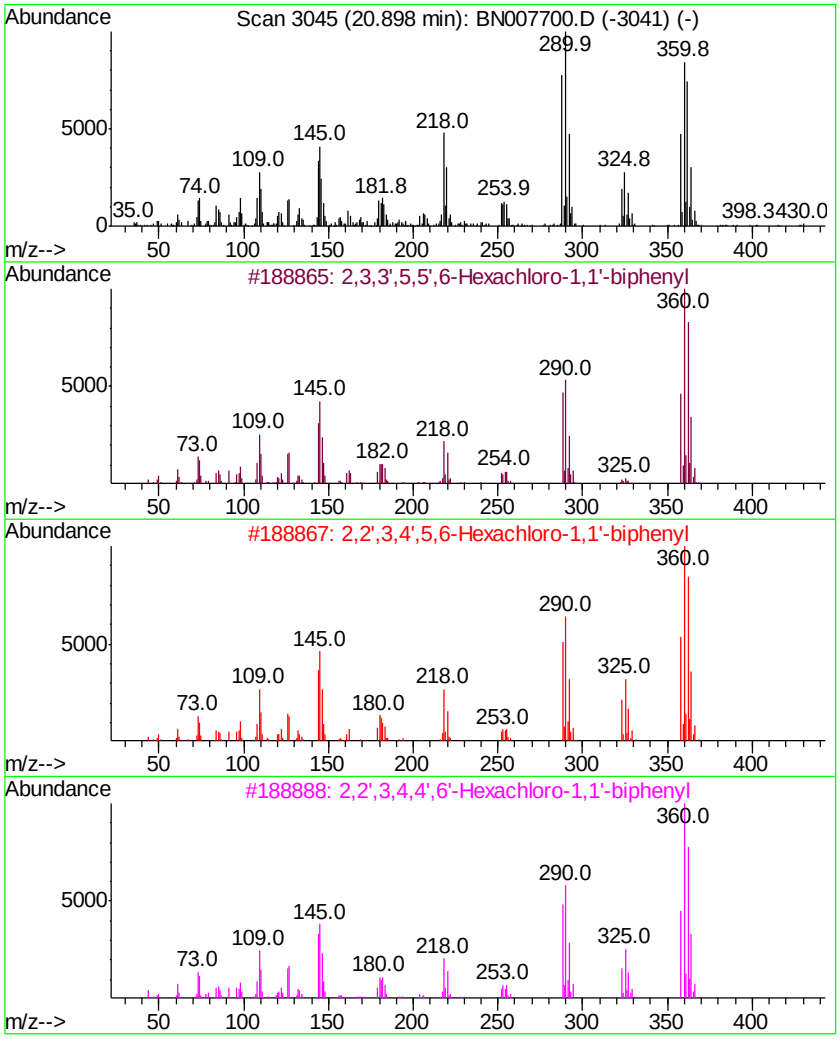
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

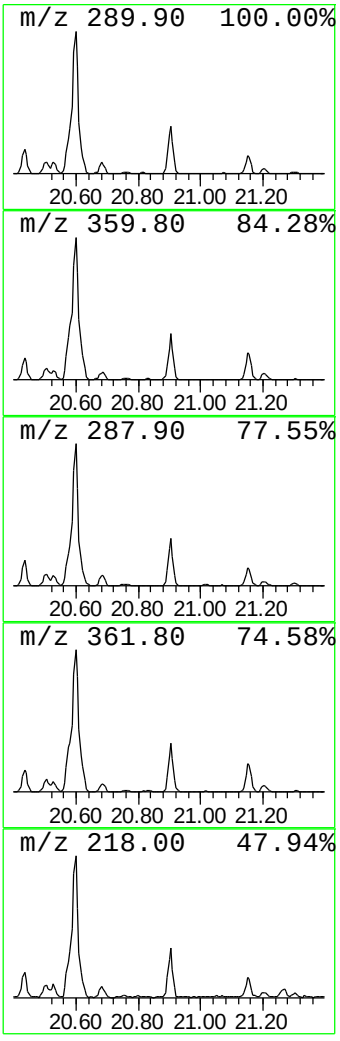
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2,3,3',5,5',6-Hexachloro-1,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.23 ng/ul	1018580	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99
2	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99





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Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

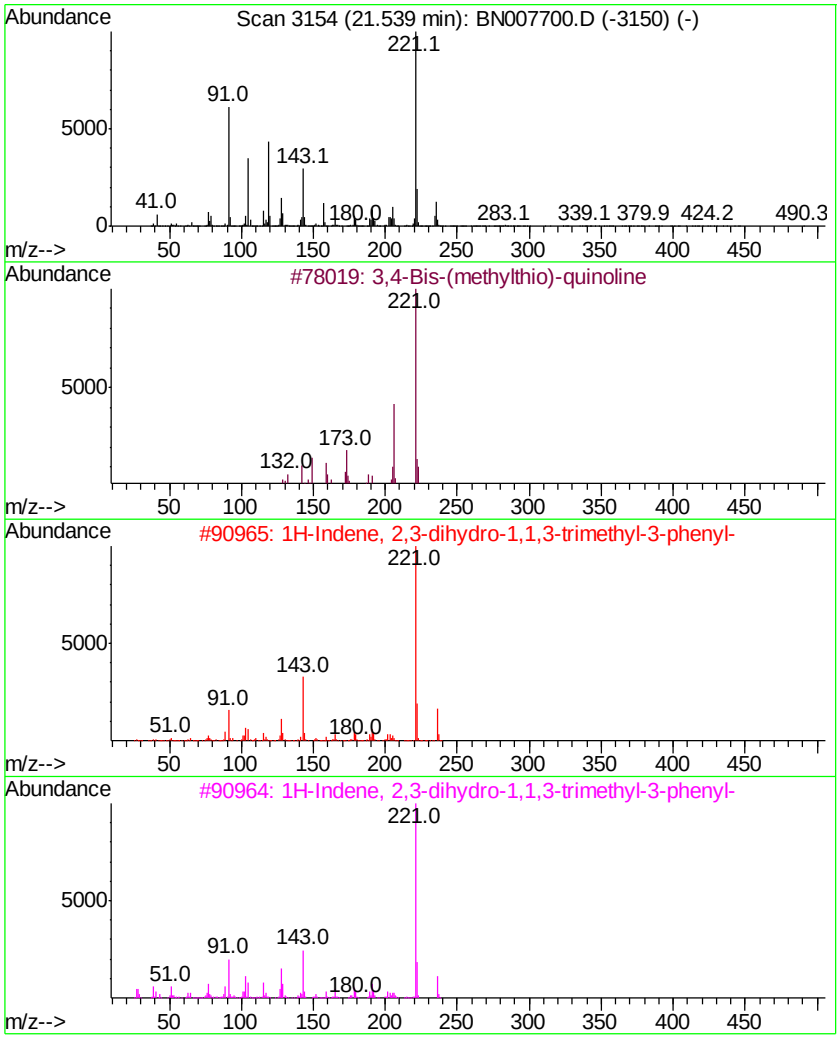
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

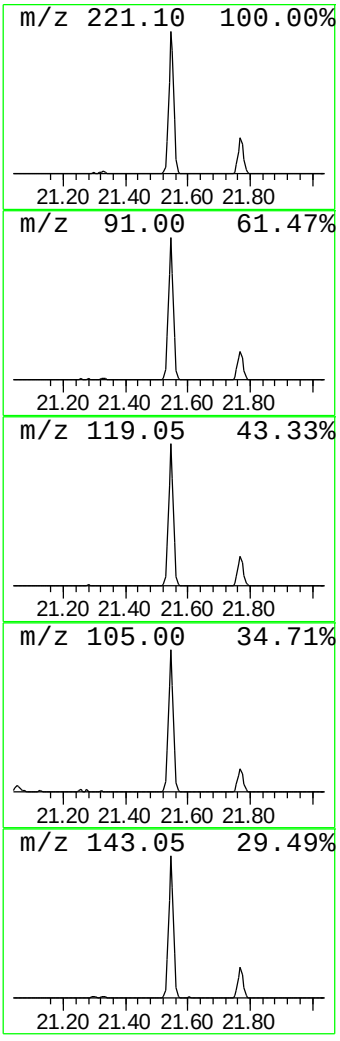
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 3,4-Bis-(methylthio)-quinoline Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	32.77 ng/ul	14997600	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	50
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	43
4	3-Amino-4,6-dimethylthieno[2,3-b...	221	C10H11N3OS	067795-42-0	43
5	Boron, diethyl(5-ethyl-4,6-nonan...	250	C15H31BN2	136705-03-8	43





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Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

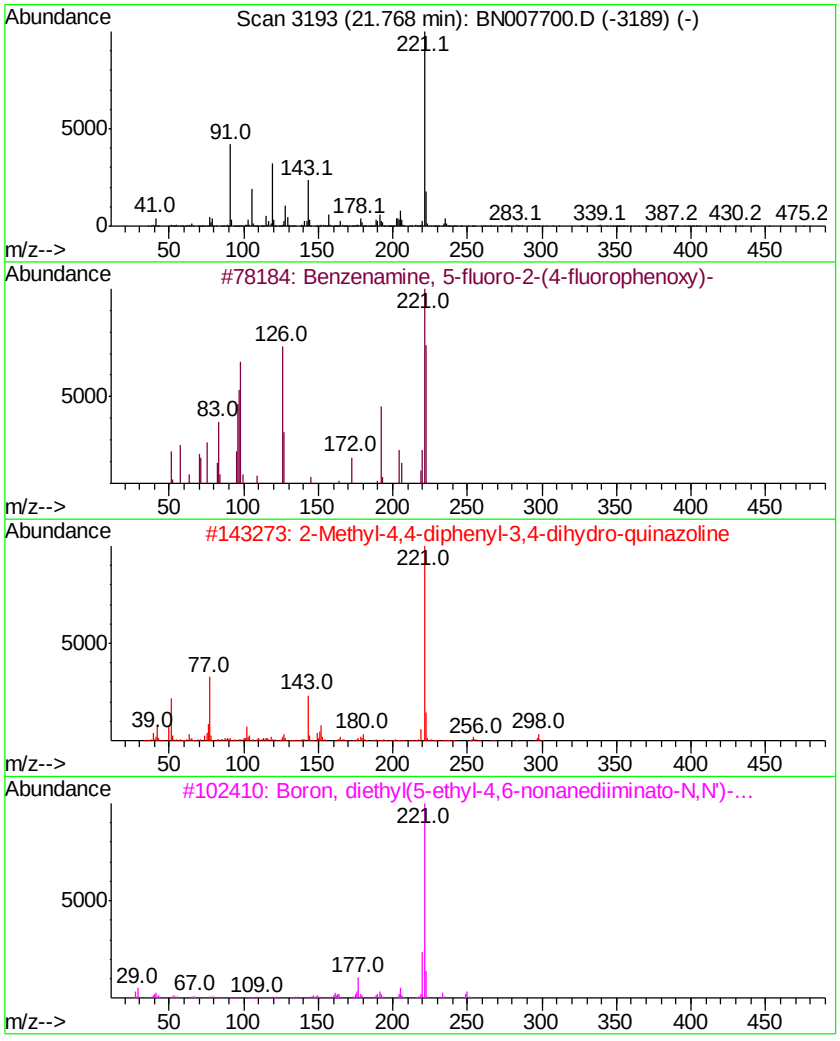
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

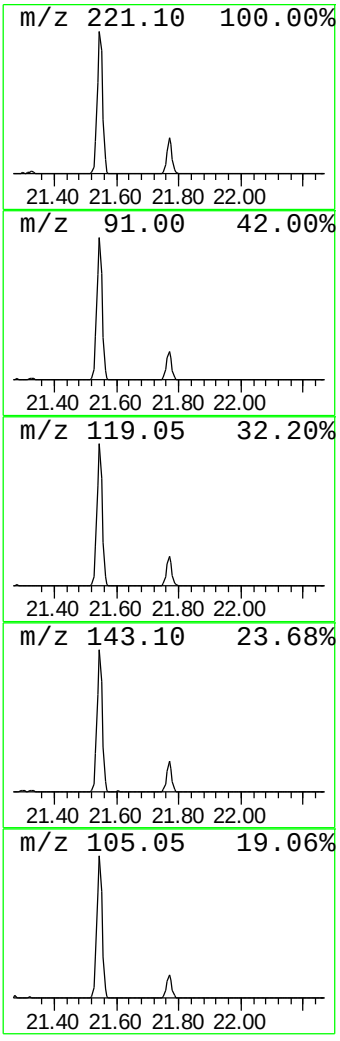
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzenamine, 5-fluoro-2-(4-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	6.62 ng/ul	3029040	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 5-fluoro-2-(4-fluor...	221	C12H9F2NO	020653-64-9	55
2	2-Methyl-4,4-diphenyl-3,4-dihydr...	298	C21H18N2	1000300-40-0	47
3	Boron, diethyl(5-ethyl-4,6-nonan...	250	C15H31BN2	136705-03-8	38
4	3-Methoxy-5-nitrobenzotrifluoride	221	C8H6F3NO3	000328-79-0	35
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

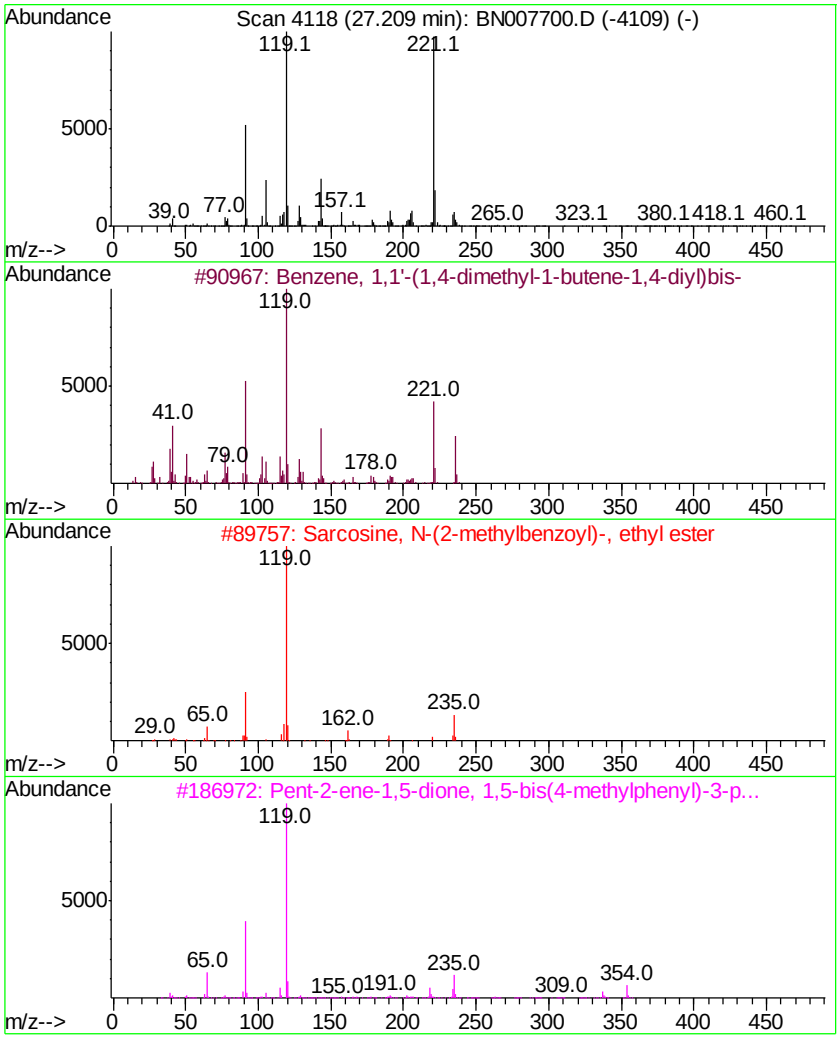
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

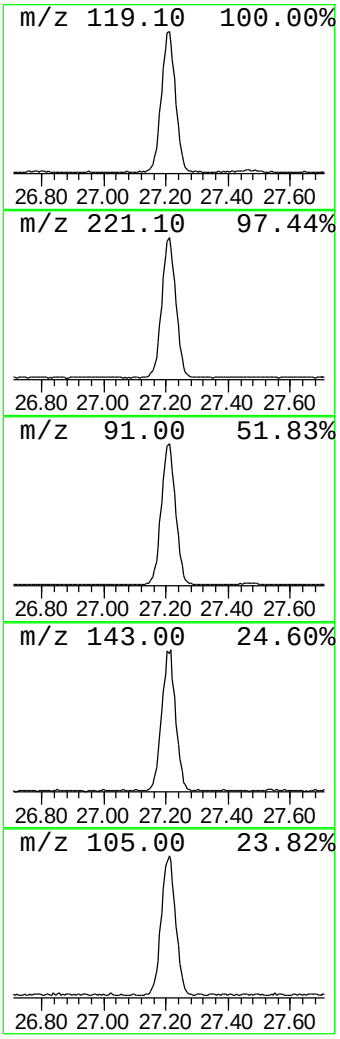
****

Peak Number 22 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.21	10.90 ng/ul	4599040	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,4-dimethyl-1-bu...	236	C18H20	052161-54-3	47
2	Sarcosine, N-(2-methylbenzoyl)-,...	235	C13H17NO3	1000321-16-5	27
3	Pent-2-ene-1,5-dione, 1,5-bis(4-...	354	C25H22O2	063688-23-3	27
4	2,4-Diphenyl-4-methyl-1-pentene	236	C18H20	1000111-58-0	25
5	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091719\
Data File : BN007700.D
Acq On : 17 Sep 2019 18:48
Operator : HP/JU
Sample : K4891-01
Misc : GCMS CONFIRMATION
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	3.03	2.3	ng/ul	454050	1	7.70	3954460	20.0
(DEL) Alkane: Str...	3.20	7.0	ng/ul	1376880	1	7.70	3954460	20.0
1,1'-Biphenyl, 2,...	18.15	5.1	ng/ul	2200300	4	17.07	8623670	20.0
1,1'-Biphenyl, 2,...	18.44	2.3	ng/ul	984948	4	17.07	8623670	20.0
1,1'-Biphenyl, 2,...	18.97	3.6	ng/ul	1554180	4	17.07	8623670	20.0
1,1'-Biphenyl, 2,...	19.00	8.0	ng/ul	3457880	4	17.07	8623670	20.0
2,2',3,4,6'-Penta...	19.21	2.3	ng/ul	1061500	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	19.35	3.8	ng/ul	1725230	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	19.55	3.0	ng/ul	1350670	5	21.27	9153890	20.0
2,3,3',4',5'- Pen...	19.63	5.1	ng/ul	2338580	5	21.27	9153890	20.0
3,3',4,4,',5-Pent...	19.73	11.0	ng/ul	5032530	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	20.00	5.0	ng/ul	2268640	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	20.05	9.1	ng/ul	4157260	5	21.27	9153890	20.0
2,2',3,3',5,6-Hex...	20.33	3.0	ng/ul	1387690	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	20.36	3.4	ng/ul	1573910	5	21.27	9153890	20.0
1,1'-Biphenyl, 2,...	20.60	9.1	ng/ul	4140740	5	21.27	9153890	20.0
2,3,3',5,5',6-Hex...	20.90	2.2	ng/ul	1018580	5	21.27	9153890	20.0
3,4-Bis-(methylth...	21.54	32.8	ng/ul	14997600	5	21.27	9153890	20.0
Benzenamine, 5-fl...	21.77	6.6	ng/ul	3029040	5	21.27	9153890	20.0
unknown-02	27.21	10.9	ng/ul	4599040	6	23.49	8438870	20.0