LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041988.D
Acq On : 6 Aug 2019 5:38
Operator : HP/JU
Sample : K4023-04
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

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_G\METHODS\SOM-EPA-BG080319MA.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	3.348	40	44	49	rVB	146034	160057	5.68%	0.887%
2	8.031	833	841	852	rBV	475604	827925	29.38%	4.587%
3	10.857	1313	1322	1337	rBV	603766	1115325	39.58%	6.180%
4	14.694	1968	1975	1993	rBV	1063443	1654410	58.70%	9.167%
5	16.973	2356	2363	2368	rBV2	21972	31141	1.10%	0.173%
6	17.320	2416	2422	2425	rBV3	43963	62299	2.21%	0.345%
7	17.361	2425	2429	2434	rVB2	25383	37291	1.32%	0.207%
8	17.443	2435	2443	2449	rBV2	1261236	2053445	72.86%	11.378%
9	17.620	2468	2473	2480	rVB	76989	116029	4.12%	0.643%
10	17.896	2512	2520	2523	rBV3	13497	18877	0.67%	0.105%
11	18.049	2538	2546	2553	rBV	225051	404352	14.35%	2.240%
12	18.166	2561	2566	2572	rBV2	64156	106489	3.78%	0.590%
13	18.242	2575	2579	2583	rBV	16239	21046	0.75%	0.117%
14	18.295	2583	2588	2593	rVV	68695	103350	3.67%	0.573%
15	18.354	2593	2598	2606	rVB2	63969	104957	3.72%	0.582%
16	18.460	2611	2616	2620	rBV2	23997	30870	1.10%	0.171%
17	18.513	2620	2625	2630	rVV	325862	466816	16.56%	2.587%
18	18.577	2630	2636	2639	rVV	235778	342046	12.14%	1.895%
19	18.618	2639	2643	2650	rVB2	145344	199776	7.09%	1.107%
20	18.795	2668	2673	2678	rBV	300332	443166	15.73%	2.456%
21	18.848	2678	2682	2686	rVV	100717	148966	5.29%	0.825%
22	18.900	2686	2691	2694	rVV	43504	63965	2.27%	0.354%
23	18.936	2694	2697	2700	rVV	90947	127091	4.51%	0.704%
24	18.971	2700	2703	2712	rVB	212923	277590	9.85%	1.538%
25	19.071	2716	2720	2727	rVB	62628	84845	3.01%	0.470%
26	19.224	2741	2746	2751	rBV4	15377	23541	0.84%	0.130%
27	19.282	2751	2756	2760	rVV	159338	226630	8.04%	1.256%
28	19.329	2760	2764	2767	rVV	193838	292873	10.39%	1.623%
29	19.365	2767	2770	2777	rVV2	371903	545480	19.36%	3.022%
30	19.441	2779	2783	2787	rVB3	30331	40800	1.45%	0.226%
31	19.500	2787	2793	2800	rBV	142223	208511	7.40%	1.155%
32	19.576	2800	2806	2813	rVV	178680	380071	13.49%	2.106%
33	19.641	2813	2817	2823	rVV	164947	239247	8.49%	1.326%
34	19.700	2823	2827	2832	rVB2	75839	99755	3.54%	0.553%

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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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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	19.829	2844	2849	2851	rBV2	30947	45541	1.62%	0.252%
36	19.858	2851	2854	2857	rVV	49020	64840	2.30%	0.359%
37	19.899	2857	2861	2869	rVV3	63925	94588	3.36%	0.524%
38	19.976	2870	2874	2878	rVV2	77677	99450	3.53%	0.551%
39	20.029	2878	2883	2888	rVV3	48308	70625	2.51%	0.391%
40	20.081	2888	2892	2896	rVV	156499	203343	7.22%	1.127%
41	20.128	2896	2900	2905	rVB2	30330	43622	1.55%	0.242%
42	20.222	2911	2916	2923	rVB4	31403	49434	1.75%	0.274%
43	20.346	2931	2937	2941	rBV3	43645	73445	2.61%	0.407%
44	20.393	2941	2945	2950	rVB	130670	161899	5.74%	0.897%
45	20.452	2950	2955	2961	rBV3	10282	21171	0.75%	0.117%
46	20.540	2967	2970	2975	rVB7	11195	16547	0.59%	0.092%
47	20.622	2980	2984	2989	rVB3	27043	35686	1.27%	0.198%
48	20.698	2990	2997	3006	rVV	80270	129360	4.59%	0.717%
49	20.945	3031	3039	3049	rBV8	30618	67150	2.38%	0.372%
50	21.280	3093	3096	3099	rBV4	11400	19024	0.68%	0.105%
51	21.732	3164	3173	3187	rBV2	1480923	2790745	99.03%	15.463%
52	23.266	3431	3434	3439	rVB7	16583	26798	0.95%	0.148%
53	23.965	3545	3553	3555	rBV4	16628	39198	1.39%	0.217%
54	24.094	3570	3575	3583	rVB3	27229	59185	2.10%	0.328%
55	25.005	3718	3730	3750	rBV2	920057	2818214	100.00%	15.615%
56	26.239	3935	3940	3949	rVB7	21876	58878	2.09%	0.326%

Sum of corrected areas: 18047775

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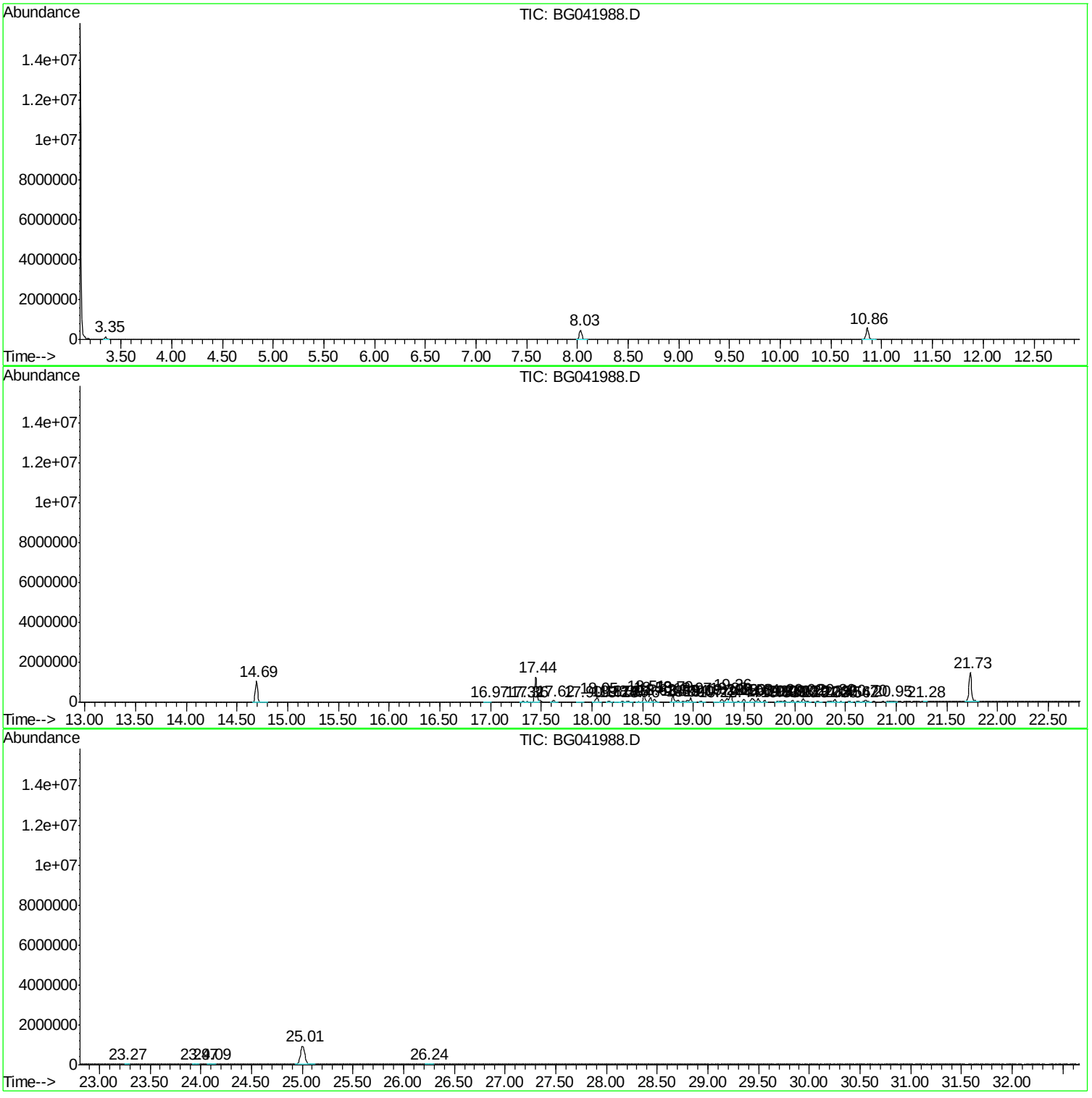
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETNK8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

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Quant Title : SVOA CALIBRATION

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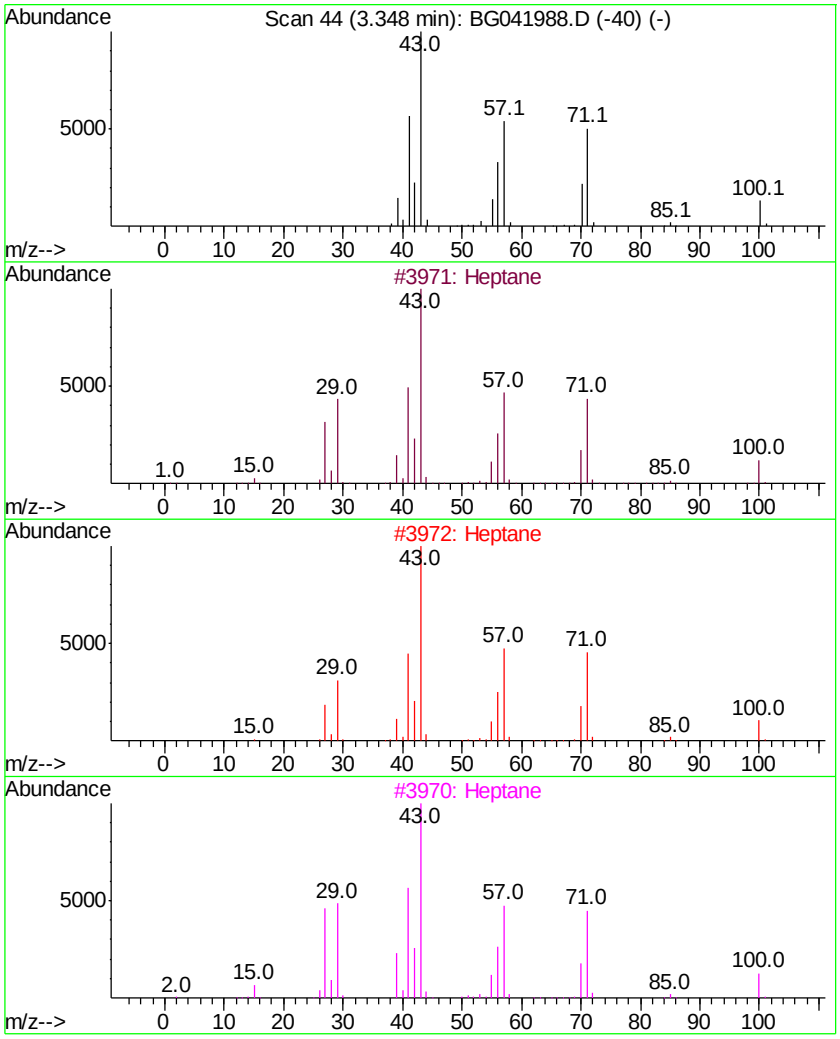
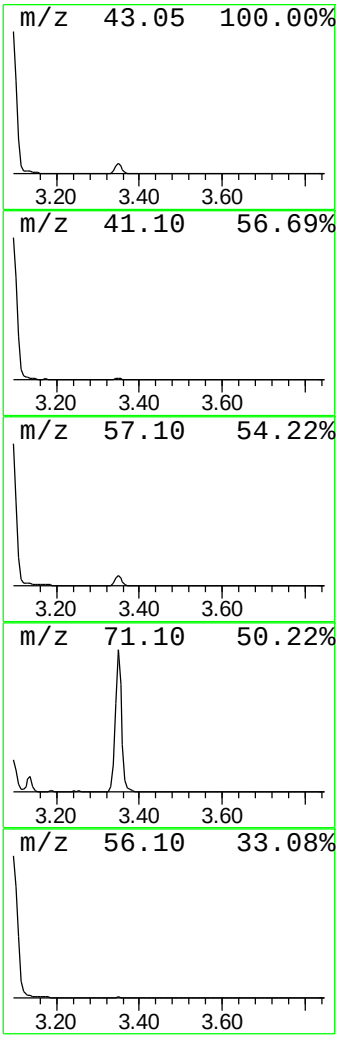
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	3.87 ng/ul	160057	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59





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Data File : BG041988.D
Acq On : 6 Aug 2019 5:38
Operator : HP/JU
Sample : K4023-04
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

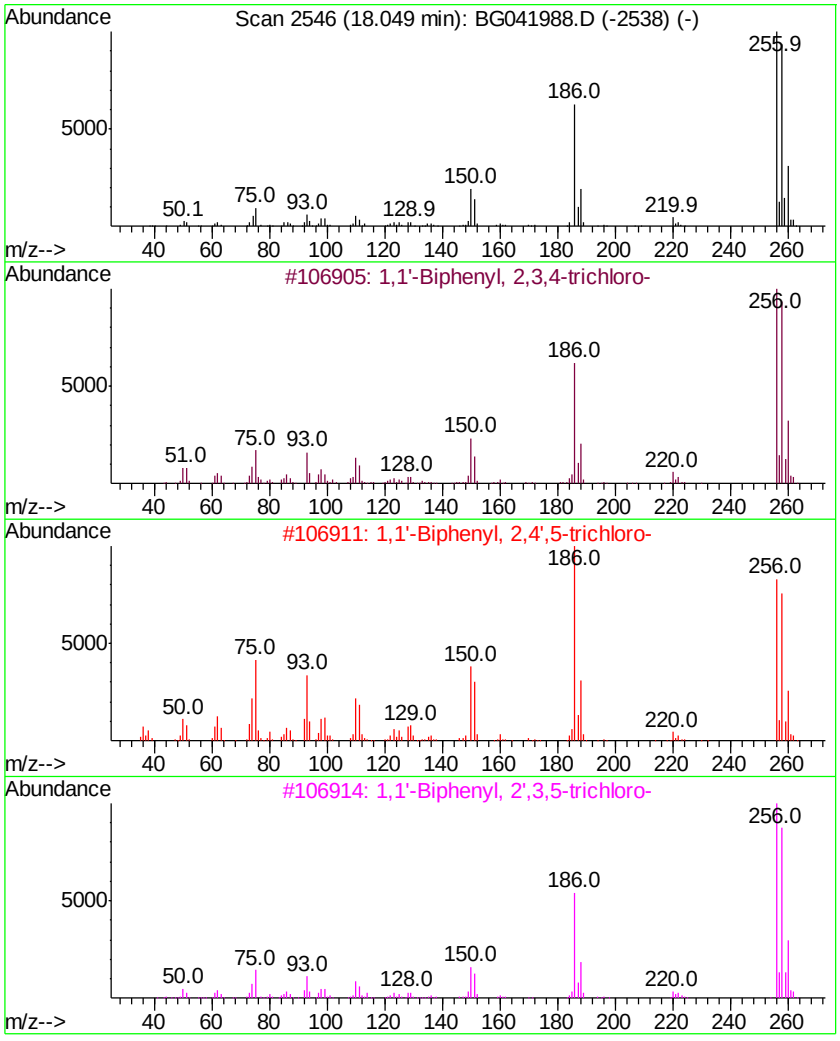
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

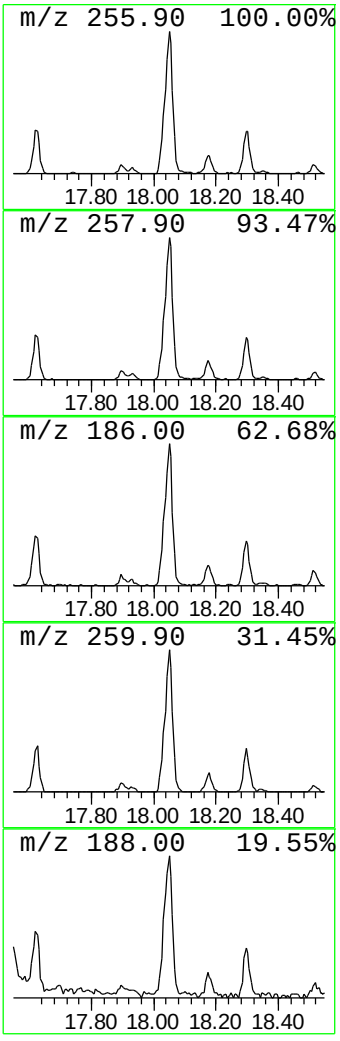
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.94 ng/ul	404352	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	97
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	97
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041988.D
Acq On : 6 Aug 2019 5:38
Operator : HP/JU
Sample : K4023-04
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

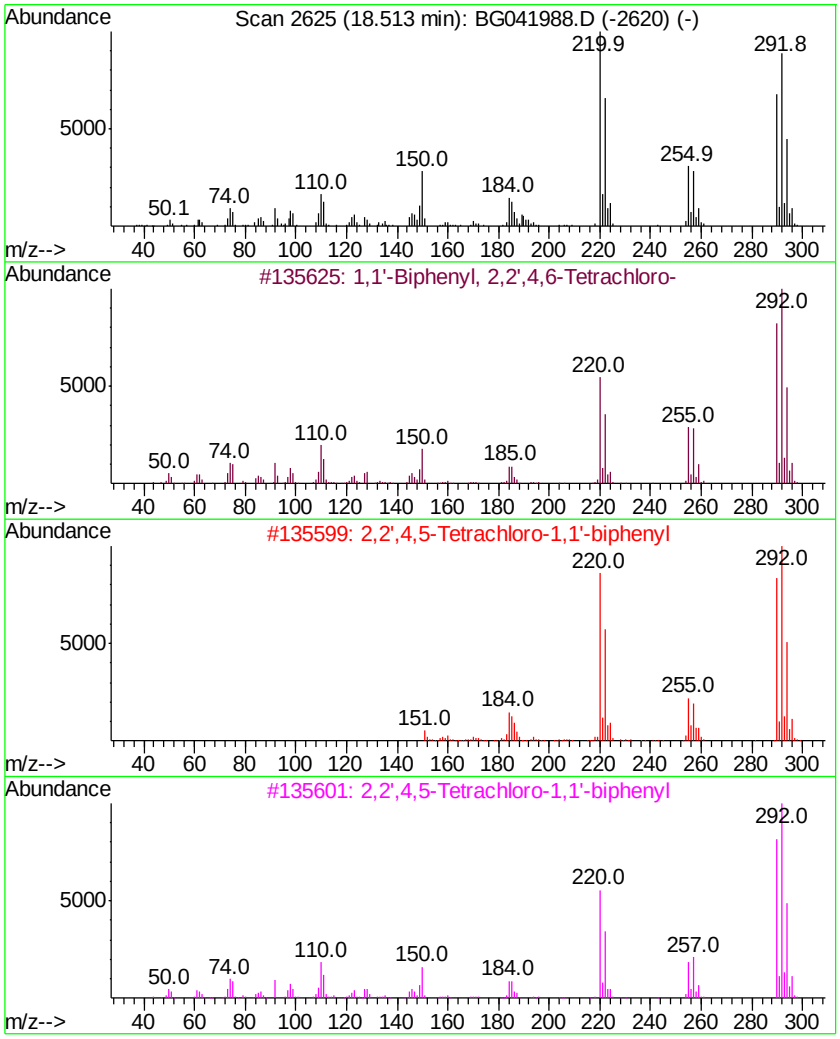
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

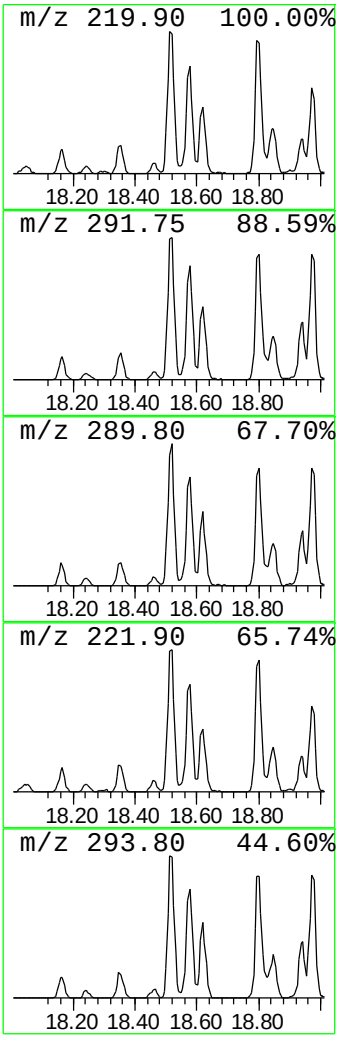
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	4.55 ng/ul	466816	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

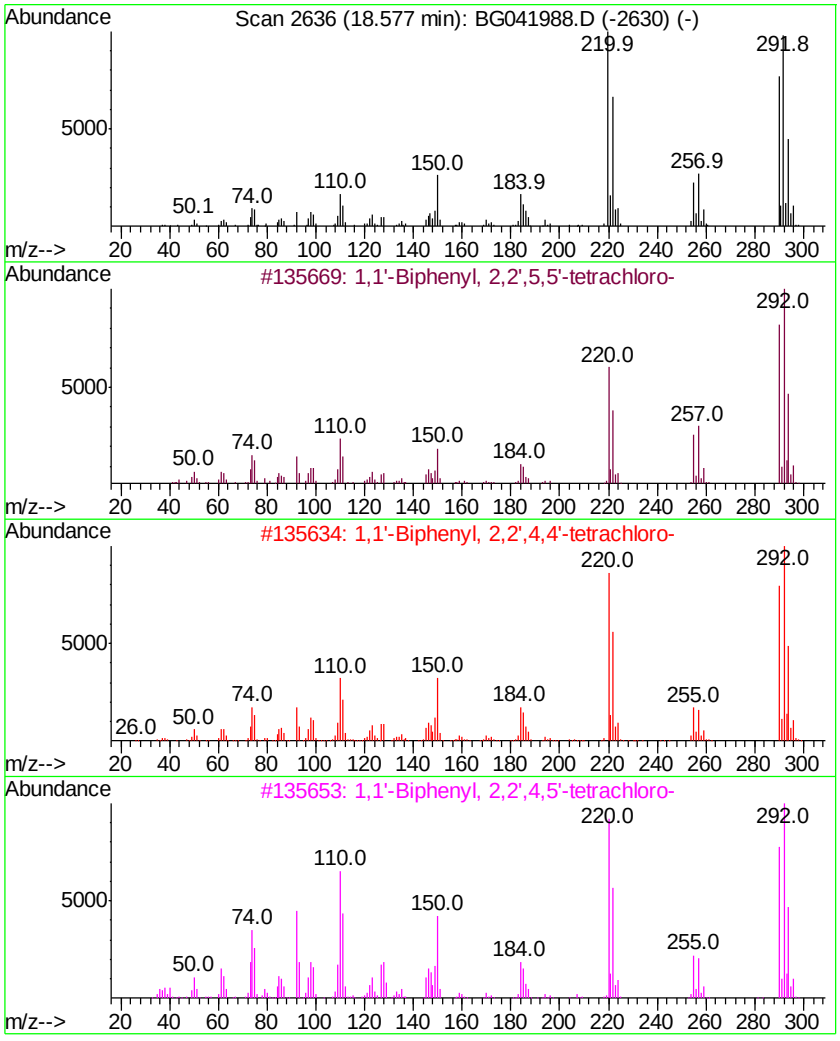
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

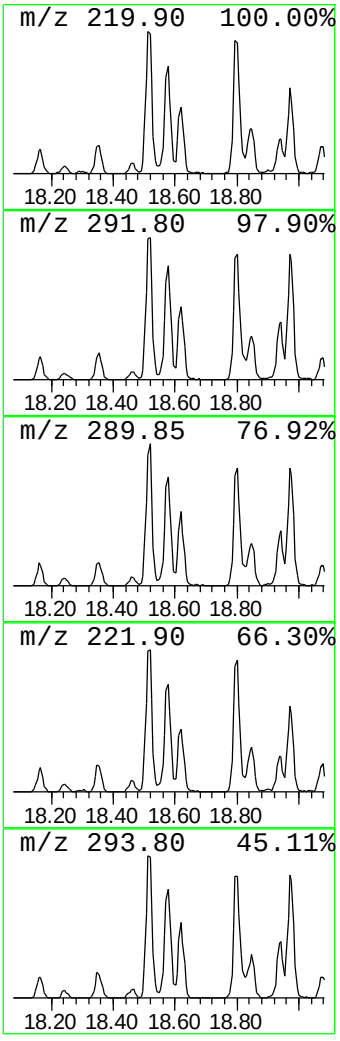
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	3.33 ng/ul	342046	Phenanthrene-d10	17.44

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	98
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	98





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Quant Title : SVOA CALIBRATION

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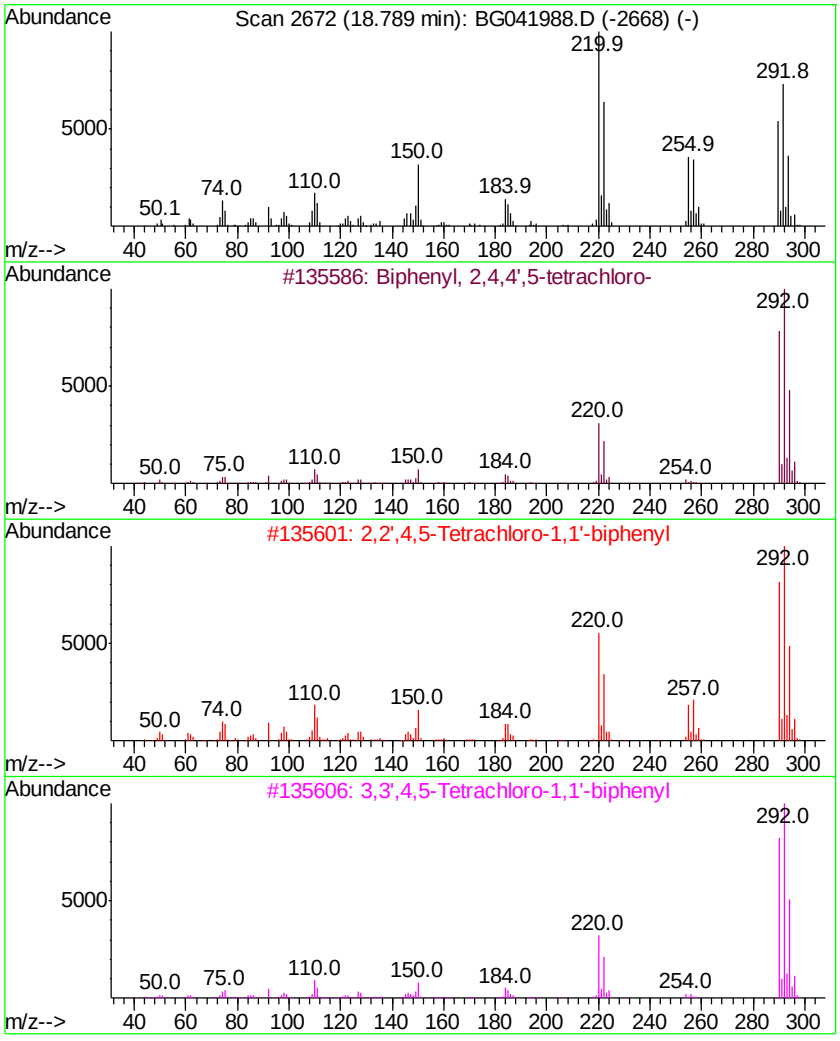
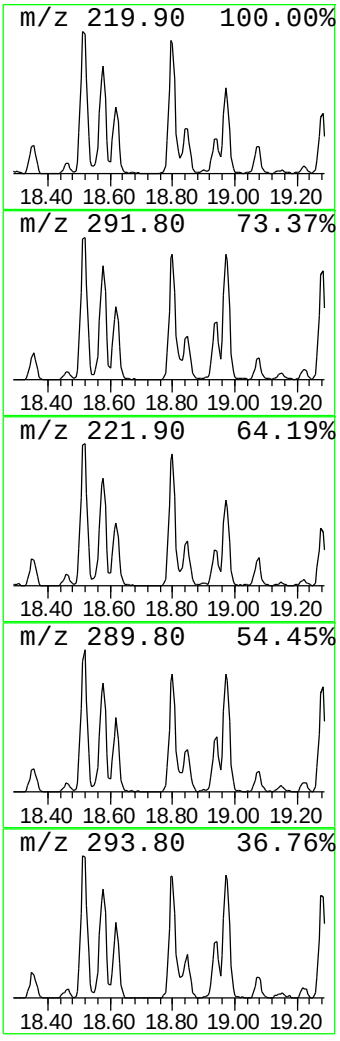
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	4.32 ng/ul	443166	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99





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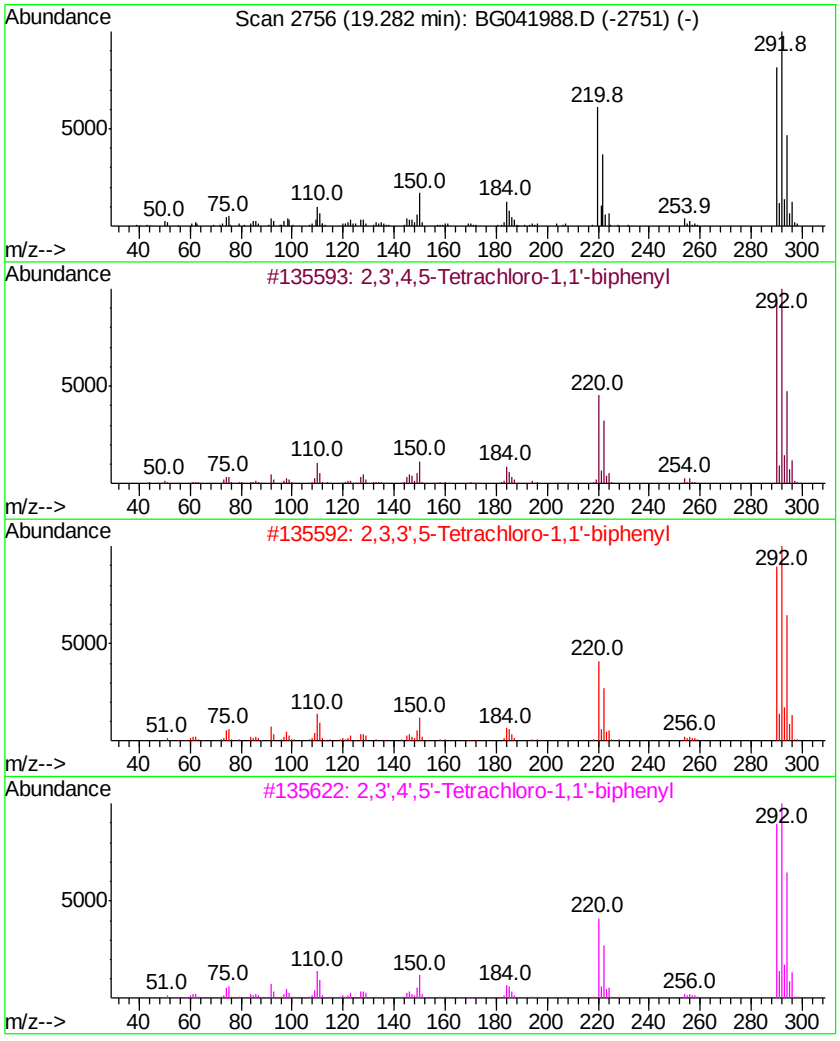
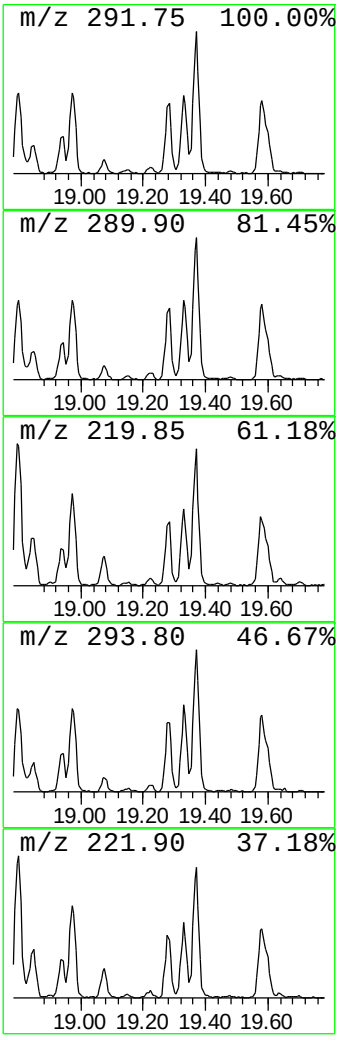
****

Peak Number 7 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	2.21 ng/ul	226630	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	99
3	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

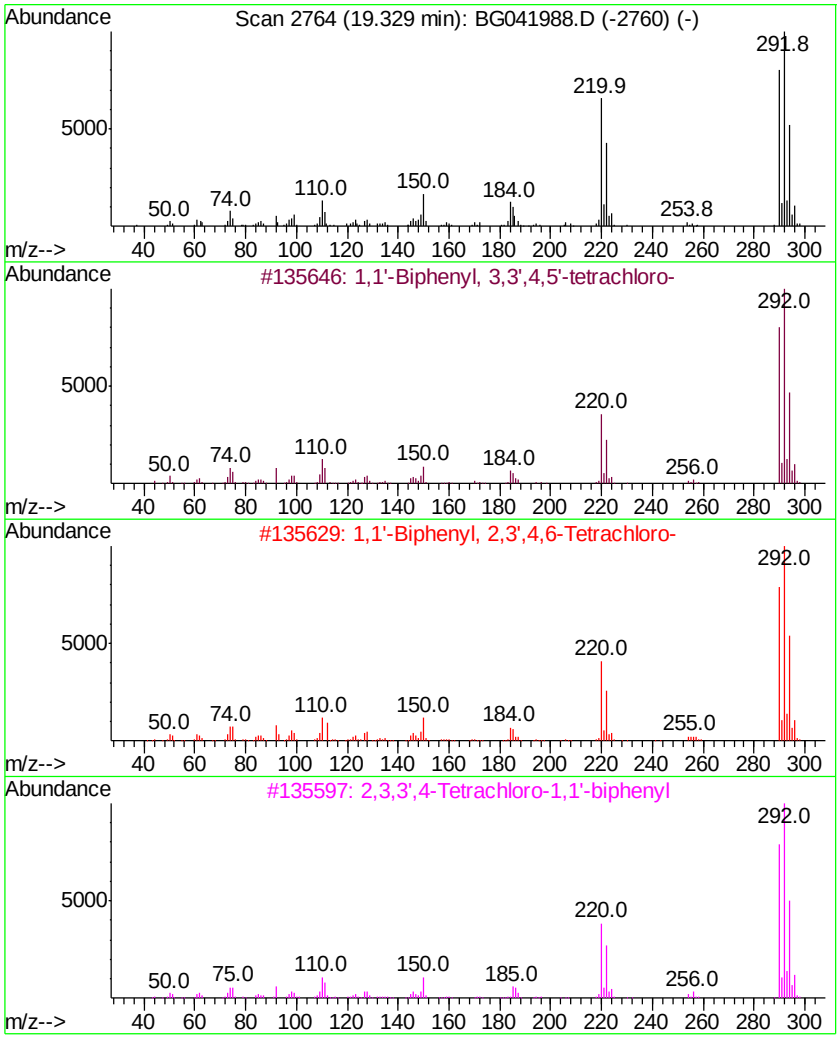
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

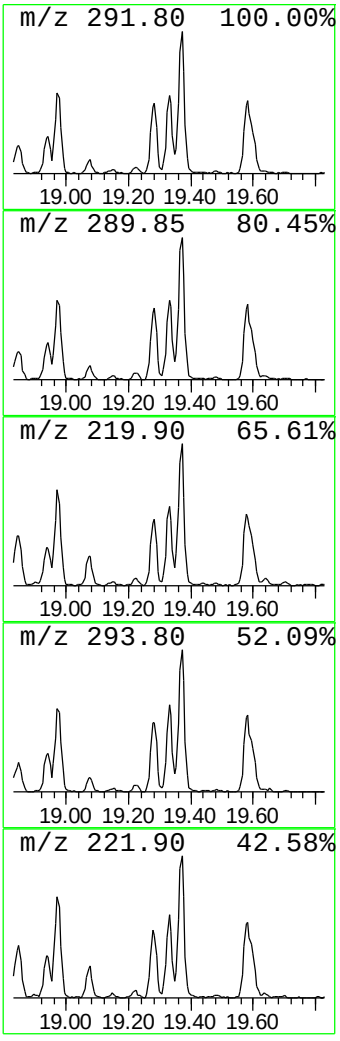
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.85 ng/ul	292873	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
2	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
3	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041988.D
Acq On : 6 Aug 2019 5:38
Operator : HP/JU
Sample : K4023-04
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

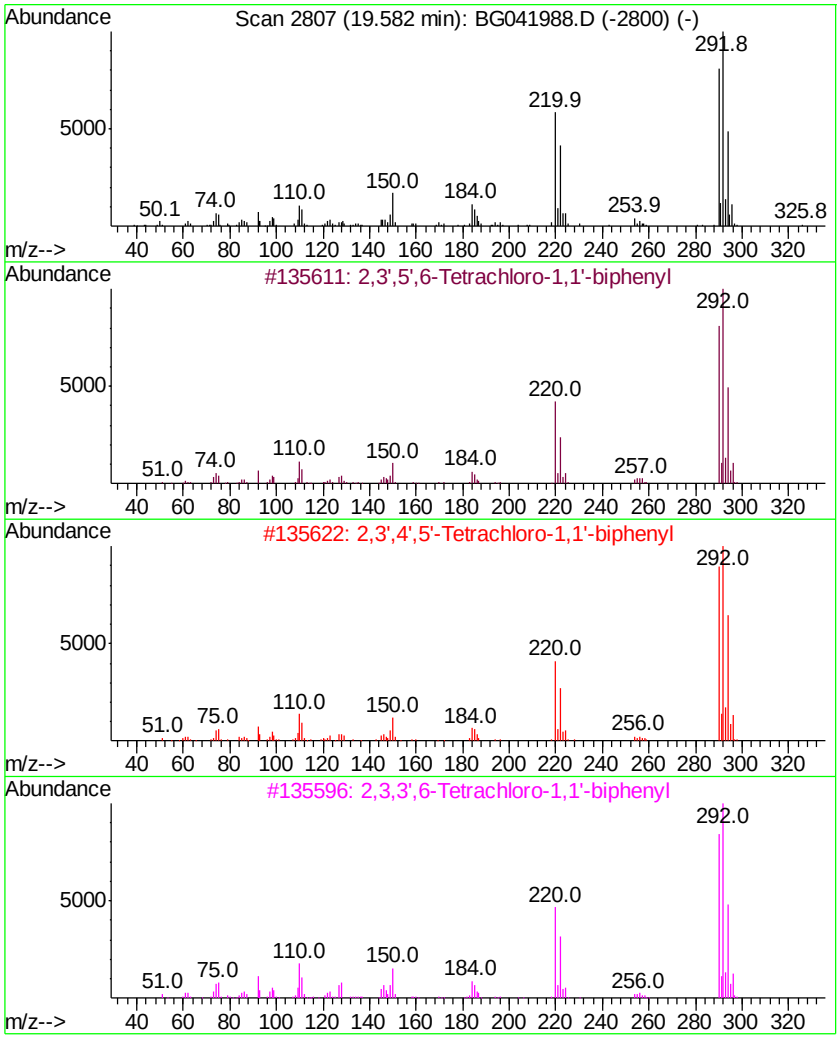
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

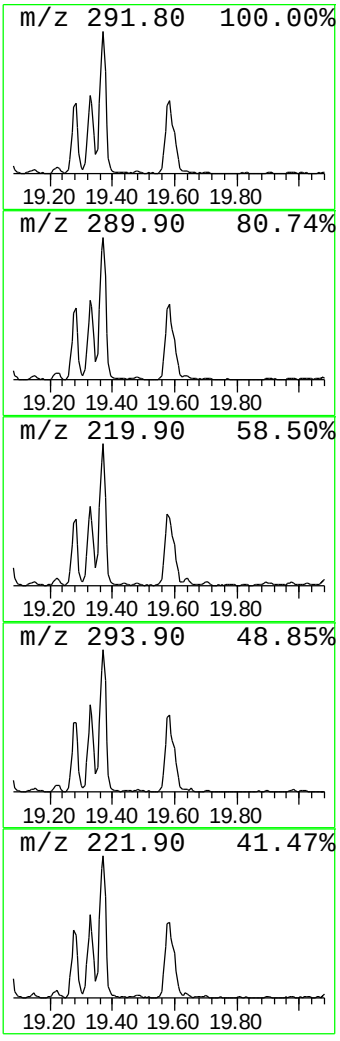
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2,3',5',6-Tetrachloro-1,1'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	3.70 ng/ul	380071	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
2	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	99
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080519\
Data File : BG041988.D
Acq On : 6 Aug 2019 5:38
Operator : HP/JU
Sample : K4023-04
Misc : GCMS CONFIRMATION
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
(DEL) Alkane: Str...	3.35	3.9	ng/ul	160057	1	8.03	827925	20.0
1,1'-Biphenyl, 2,...	18.05	3.9	ng/ul	404352	4	17.44	2053450	20.0
1,1'-Biphenyl, 2,...	18.51	4.5	ng/ul	466816	4	17.44	2053450	20.0
1,1'-Biphenyl, 2,...	18.58	3.3	ng/ul	342046	4	17.44	2053450	20.0
Biphenyl, 2,4,4',...	18.79	4.3	ng/ul	443166	4	17.44	2053450	20.0
2,3',4,5-Tetrachl...	19.28	2.2	ng/ul	226630	4	17.44	2053450	20.0
1,1'-Biphenyl, 3,...	19.33	2.9	ng/ul	292873	4	17.44	2053450	20.0
2,3',5',6-Tetrach...	19.58	3.7	ng/ul	380071	4	17.44	2053450	20.0