LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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	3.172	12	14	25	rVB2	57609	75959	2.91%	0.392%
2	3.349	40	44	49	rVB	141346	153129	5.86%	0.790%
3	8.031	833	841	857	rBV	448261	764017	29.23%	3.940%
4	10.857	1314	1322	1336	rBV	545810	1031451	39.46%	5.320%
5	14.694	1967	1975	1984	rBV	950935	1527980	58.46%	7.880%
6	15.951	2184	2189	2196	rBV	14394	22107	0.85%	0.114%
7	16.674	2306	2312	2321	rVB2	17358	27457	1.05%	0.142%
8	16.974	2358	2363	2370	rVB	45179	62803	2.40%	0.324%
9	17.320	2417	2422	2425	rBV2	65010	92359	3.53%	0.476%
10	17.356	2425	2428	2436	rVB	60485	83817	3.21%	0.432%
11	17.444	2436	2443	2456	rBV	1225520	1960599	75.01%	10.111%
12	17.620	2467	2473	2483	rVB	153267	219106	8.38%	1.130%
13	17.896	2516	2520	2523	rBV	14311	21707	0.83%	0.112%
14	18.049	2538	2546	2554	rBV	294436	525153	20.09%	2.708%
15	18.167	2560	2566	2574	rBV3	99014	183343	7.01%	0.946%
16	18.243	2574	2579	2583	rVV	27424	37188	1.42%	0.192%
17	18.296	2583	2588	2593	rVV	92805	134360	5.14%	0.693%
18	18.349	2593	2597	2606	rVB	94967	133530	5.11%	0.689%
19	18.460	2612	2616	2620	rBV	39860	53797	2.06%	0.277%
20	18.513	2620	2625	2631	rVV	462607	646489	24.73%	3.334%
21	18.578	2631	2636	2639	rVV	323796	457649	17.51%	2.360%
22	18.619	2639	2643	2649	rVB	225342	297868	11.40%	1.536%
23	18.801	2667	2674	2678	rBV	430693	632404	24.19%	3.262%
24	18.842	2678	2681	2686	rVV2	144518	210191	8.04%	1.084%
25	18.895	2686	2690	2693	rVV	54306	73129	2.80%	0.377%
26	18.936	2693	2697	2700	rVV	148250	206821	7.91%	1.067%
27	18.971	2700	2703	2709	rVB	302970	402979	15.42%	2.078%
28	19.071	2716	2720	2727	rVB	91355	124450	4.76%	0.642%
29	19.218	2741	2745	2750	rBV3	25115	31502	1.21%	0.162%
30	19.283	2750	2756	2760	rVV	220692	314240	12.02%	1.621%
31	19.330	2760	2764	2766	rVV	229248	300555	11.50%	1.550%
32	19.365	2766	2770	2777	rVV2	500073	771463	29.51%	3.979%
33	19.442	2778	2783	2787	rVV2	46541	61380	2.35%	0.317%
34	19.494	2787	2792	2799	rVV	31096	50465	1.93%	0.260%

LSC Area Percent Report

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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

35	19.577	2799	2806	2813	rVV	250962	550412	21.06%	2.839%
36	19.635	2813	2816	2823	rVV	239994	332814	12.73%	1.716%
37	19.700	2823	2827	2833	rVB	107727	140884	5.39%	0.727%
38	19.829	2845	2849	2851	rBV5	19491	25044	0.96%	0.129%
39	19.900	2857	2861	2867	rBV	82143	110601	4.23%	0.570%
40	19.976	2867	2874	2878	rVV	112307	149793	5.73%	0.773%
41	20.023	2878	2882	2887	rVV	62223	82325	3.15%	0.425%
42	20.082	2887	2892	2896	rVV	212789	267457	10.23%	1.379%
43	20.129	2896	2900	2906	rVB	39416	54776	2.10%	0.282%
44	20.229	2910	2917	2925	rVV3	47819	83297	3.19%	0.430%
45	20.346	2931	2937	2941	rBV5	41337	67144	2.57%	0.346%
46	20.393	2941	2945	2951	rVB	169800	215435	8.24%	1.111%
47	20.540	2965	2970	2974	rVB8	17953	30983	1.19%	0.160%
48	20.622	2979	2984	2989	rVV	39879	52203	2.00%	0.269%
49	20.699	2989	2997	3003	rVV	116227	179599	6.87%	0.926%
50	20.775	3007	3010	3016	rVB7	13923	16968	0.65%	0.088%
51	20.940	3033	3038	3046	rVB2	42236	79944	3.06%	0.412%
52	21.281	3092	3096	3101	rBV7	14923	23660	0.91%	0.122%
53	21.727	3165	3172	3188	rVB	1413278	2495028	95.45%	12.868%
54	22.556	3310	3313	3319	rVB7	11425	18889	0.72%	0.097%
55	23.272	3429	3435	3443	rBV5	19673	43106	1.65%	0.222%
56	24.095	3571	3575	3581	rVB3	20587	40935	1.57%	0.211%
57	25.006	3717	3730	3748	rBV2	854019	2613829	100.00%	13.480%
58	26.222	3935	3937	3945	rVB6	9706	23352	0.89%	0.120%

Sum of corrected areas: 19389925

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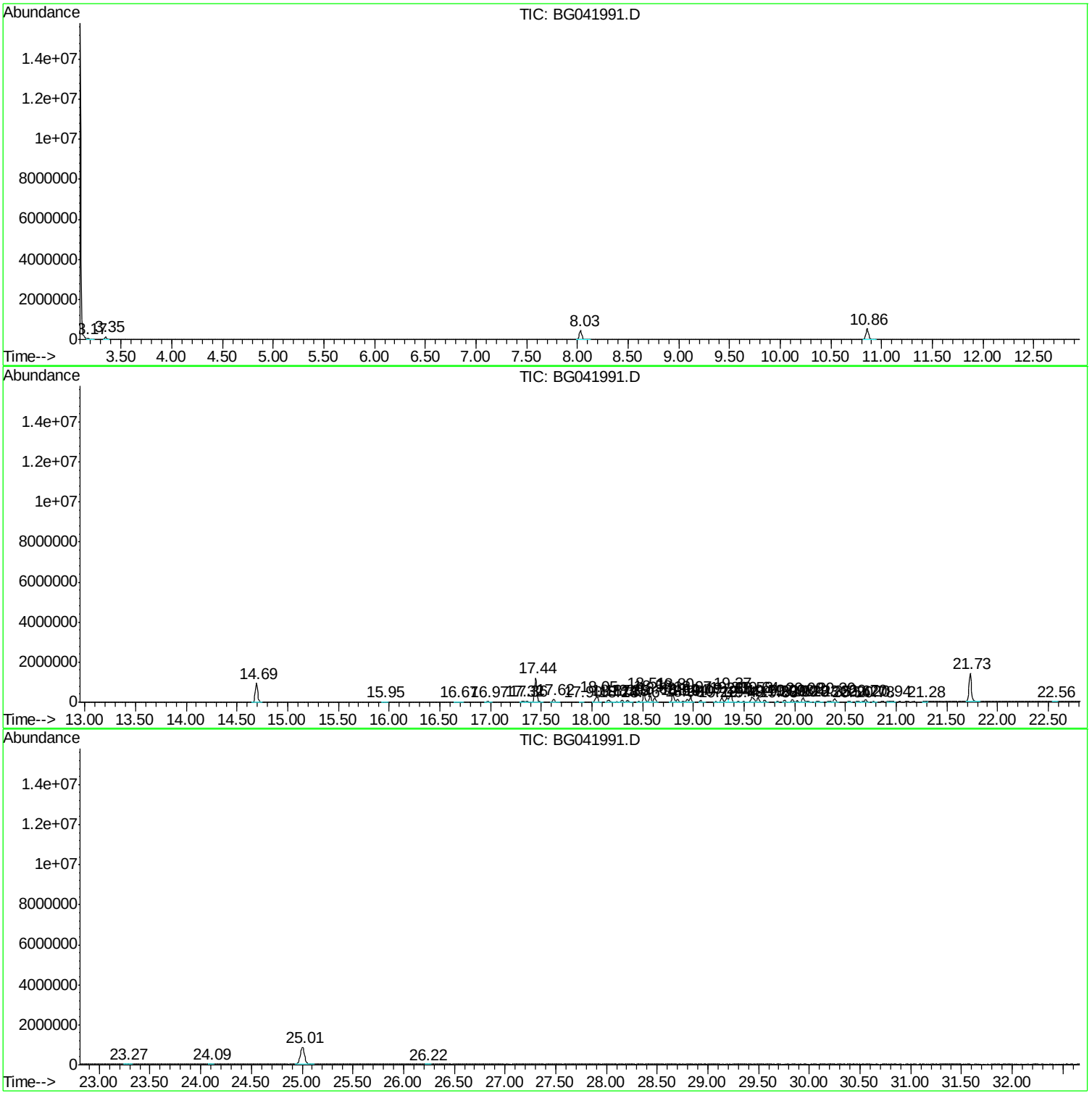
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETNK9

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

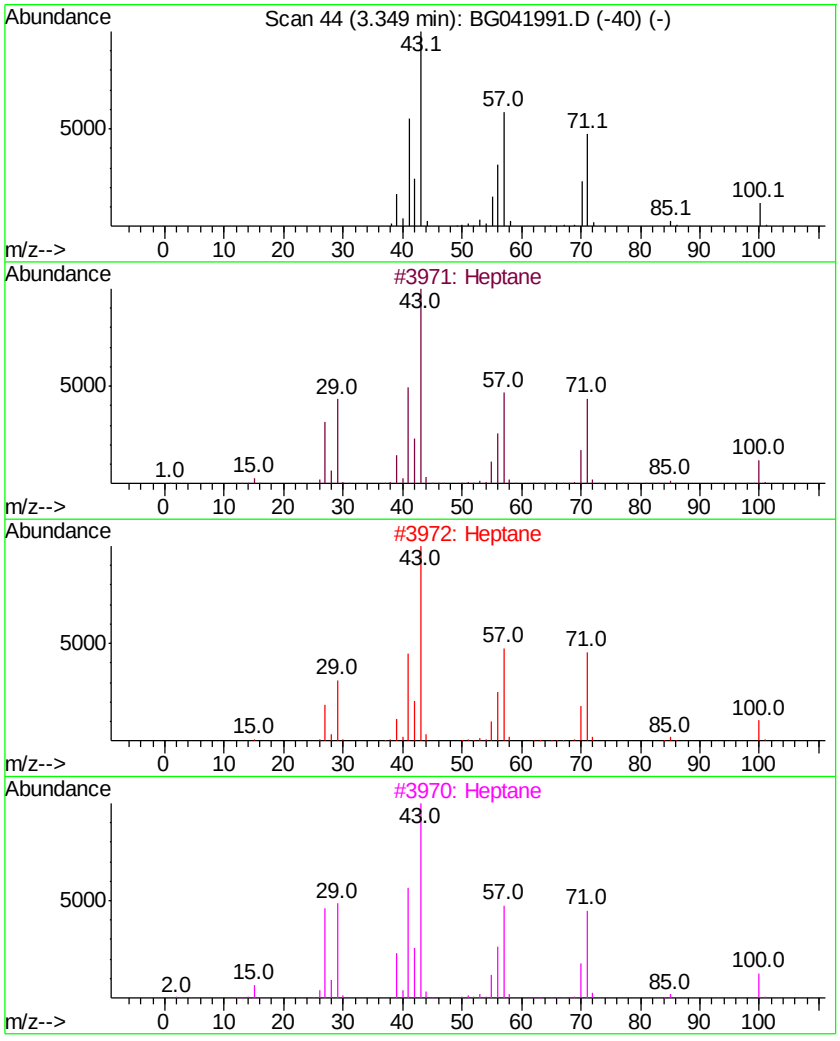
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

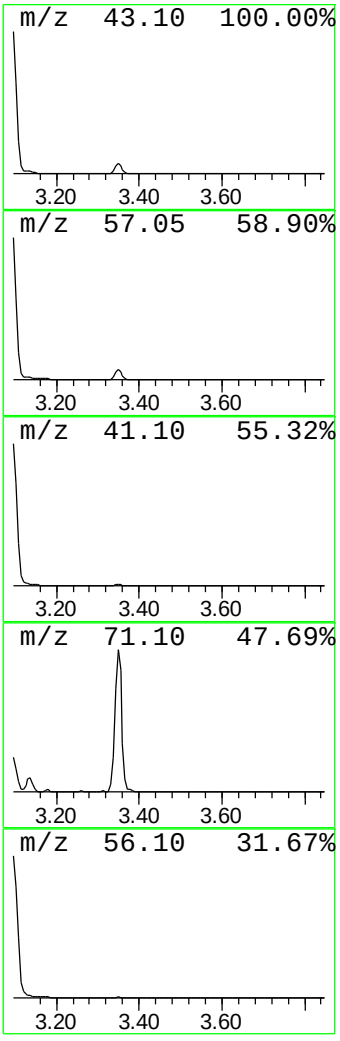
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	4.01 ng/ul	153129	1,4-Dichlorobenzene-d4	8.03

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	87
4	Heptane	100	C7H16	000142-82-5	86
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

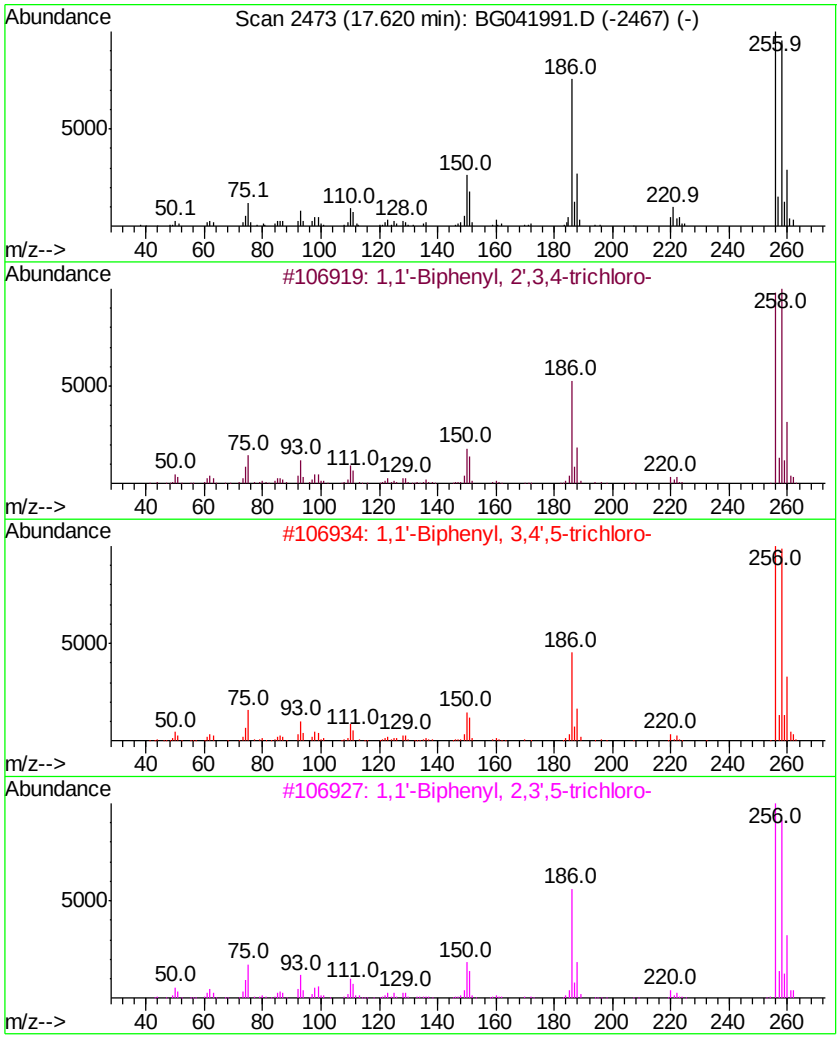
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

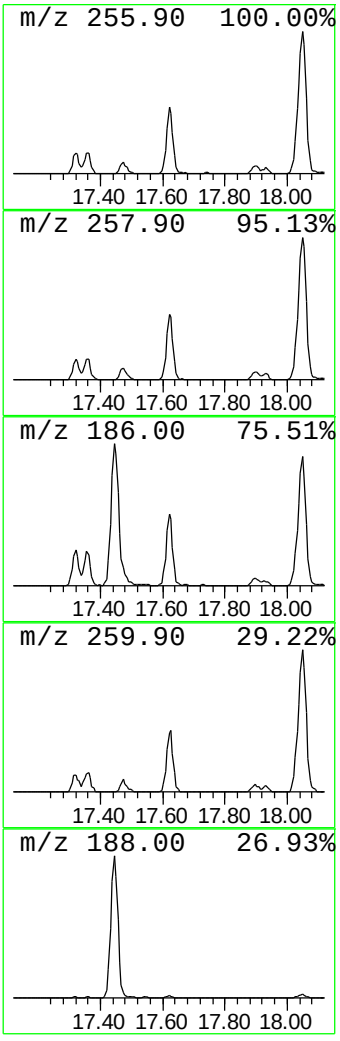
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	2.24 ng/ul	219106	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
2	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
5	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

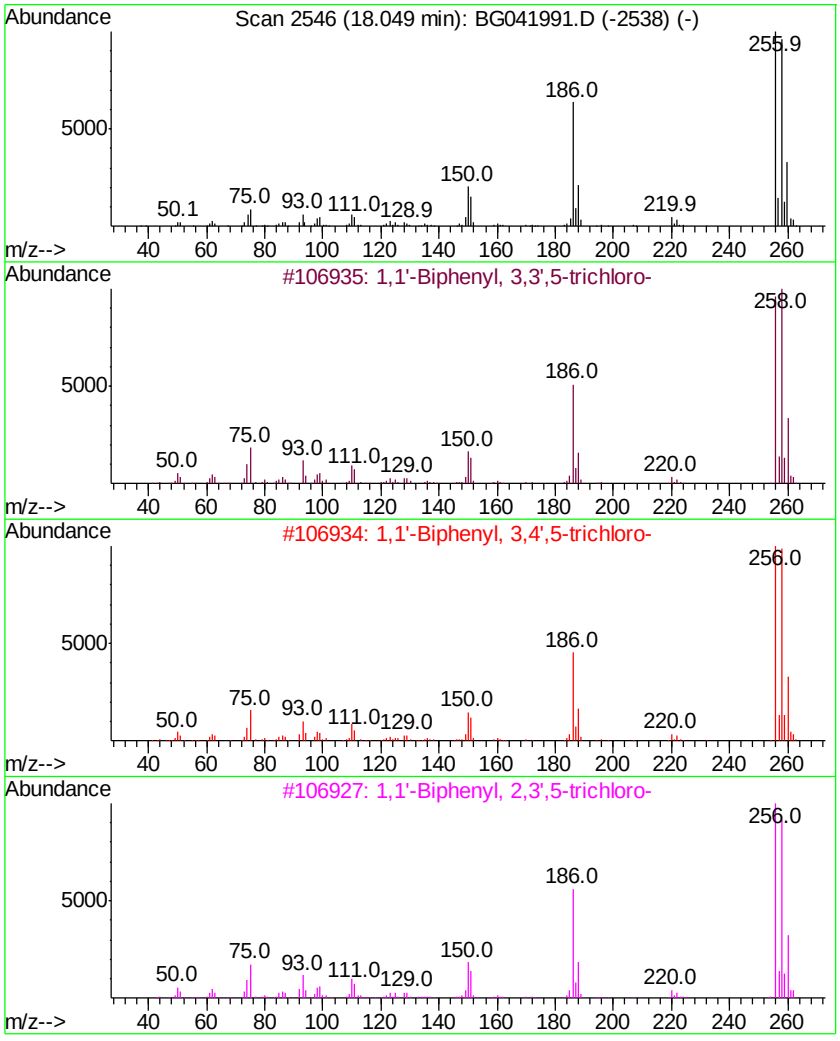
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

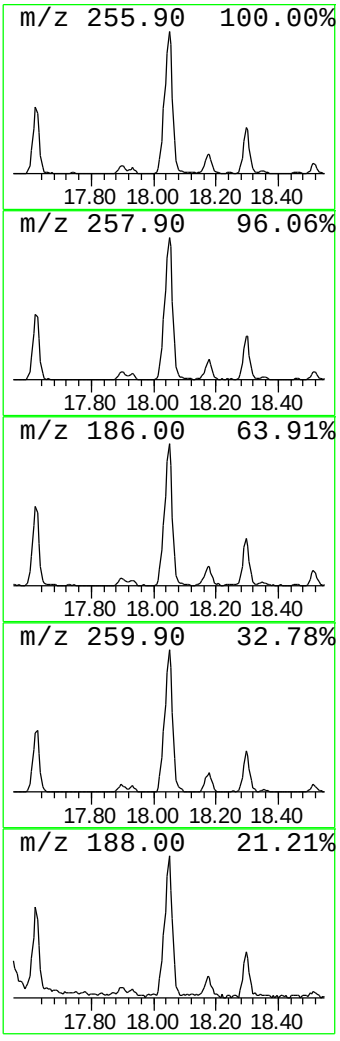
****

Peak Number 3 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.36 ng/ul	525153	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
2	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

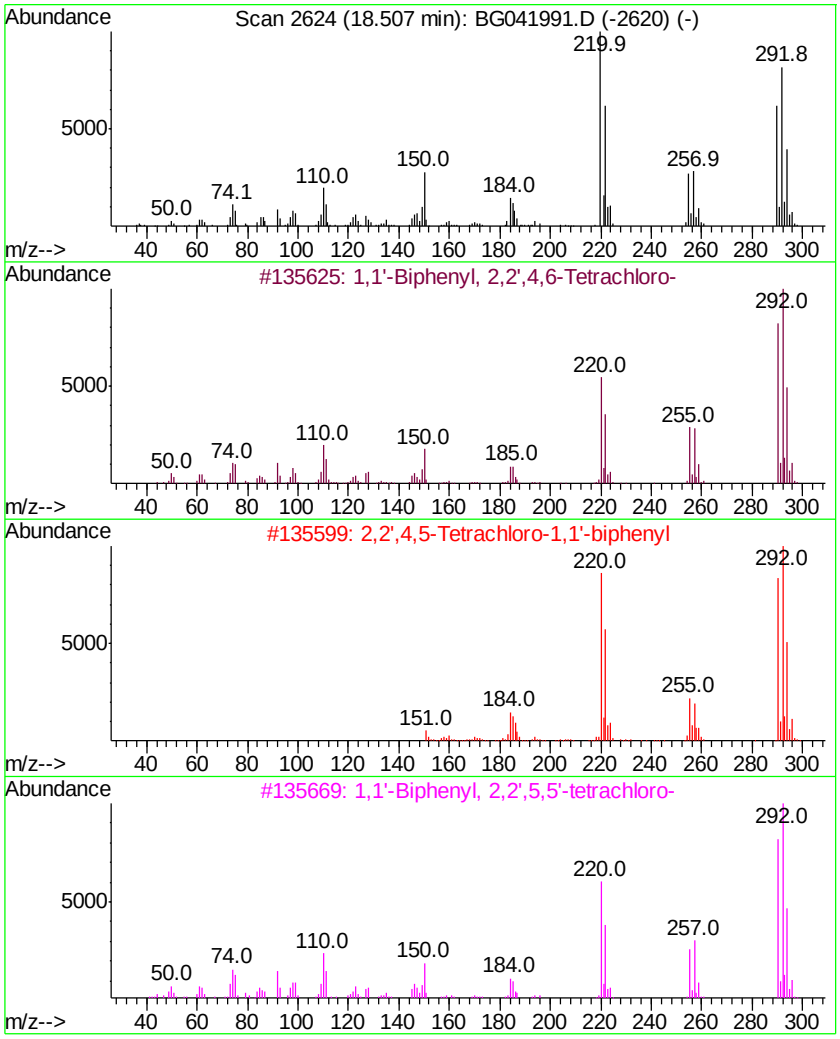
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

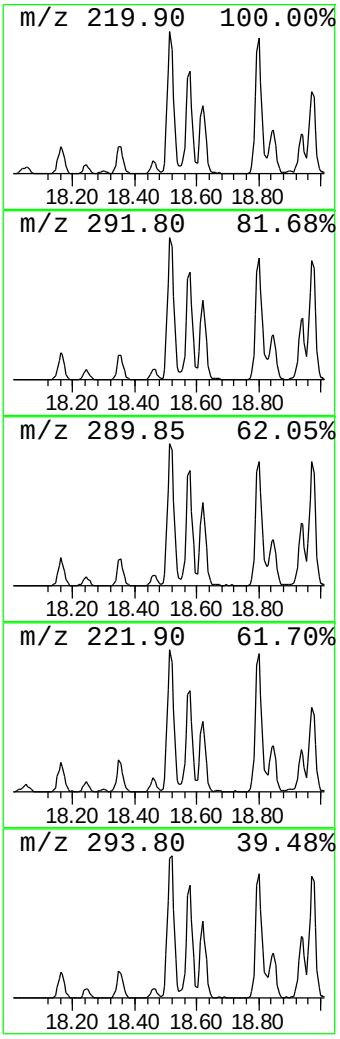
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	6.59 ng/ul	646489	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	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99





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Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

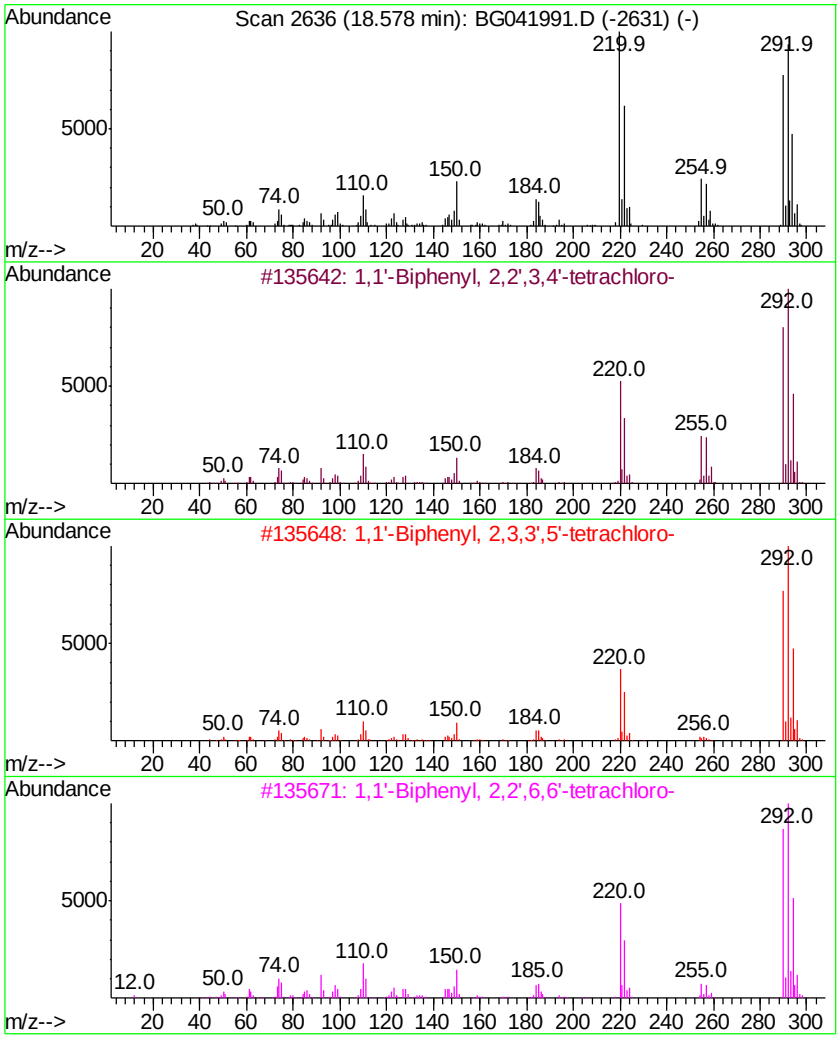
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

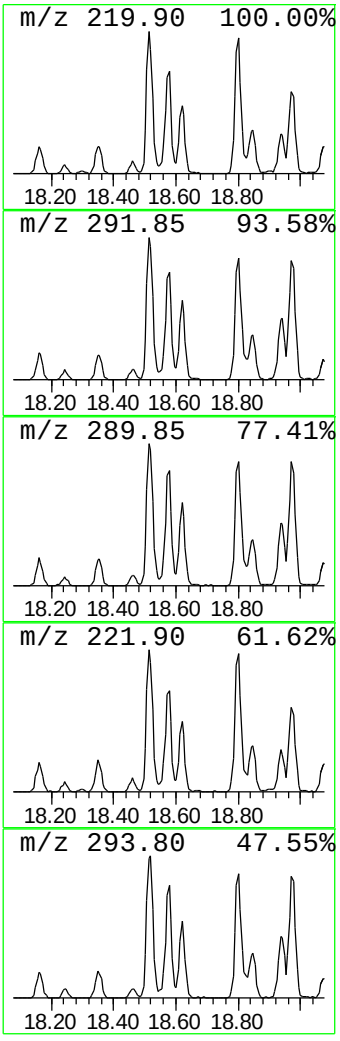
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	4.67 ng/ul	457649	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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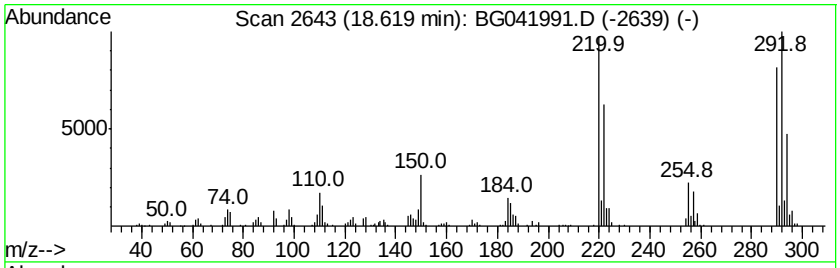
Quant Title : SVOA CALIBRATION

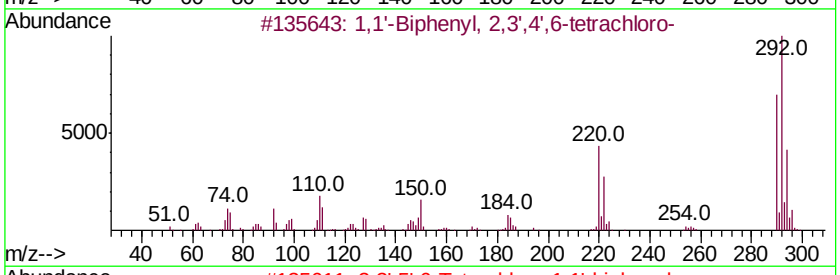
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

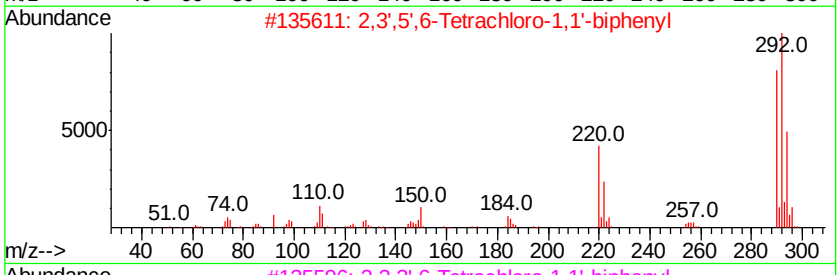
****
Peak Number 6 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 11

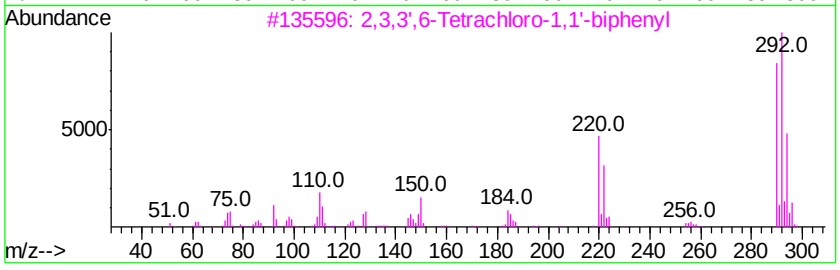
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.04 ng/ul	297868	Phenanthrene-d10	17.44

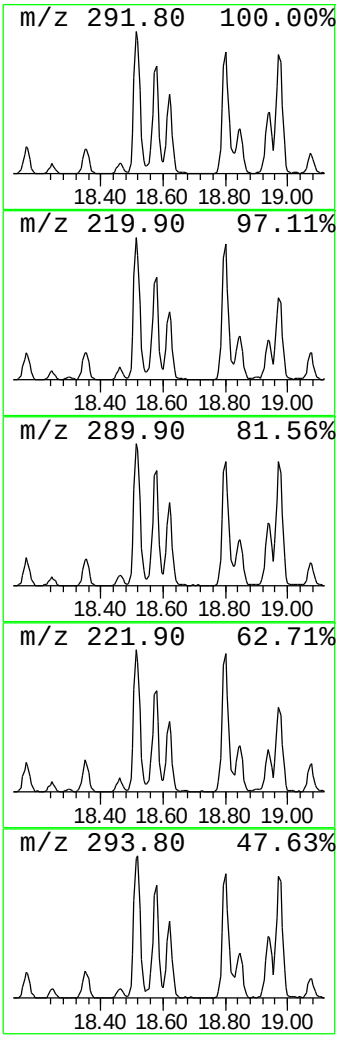
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
2	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99











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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

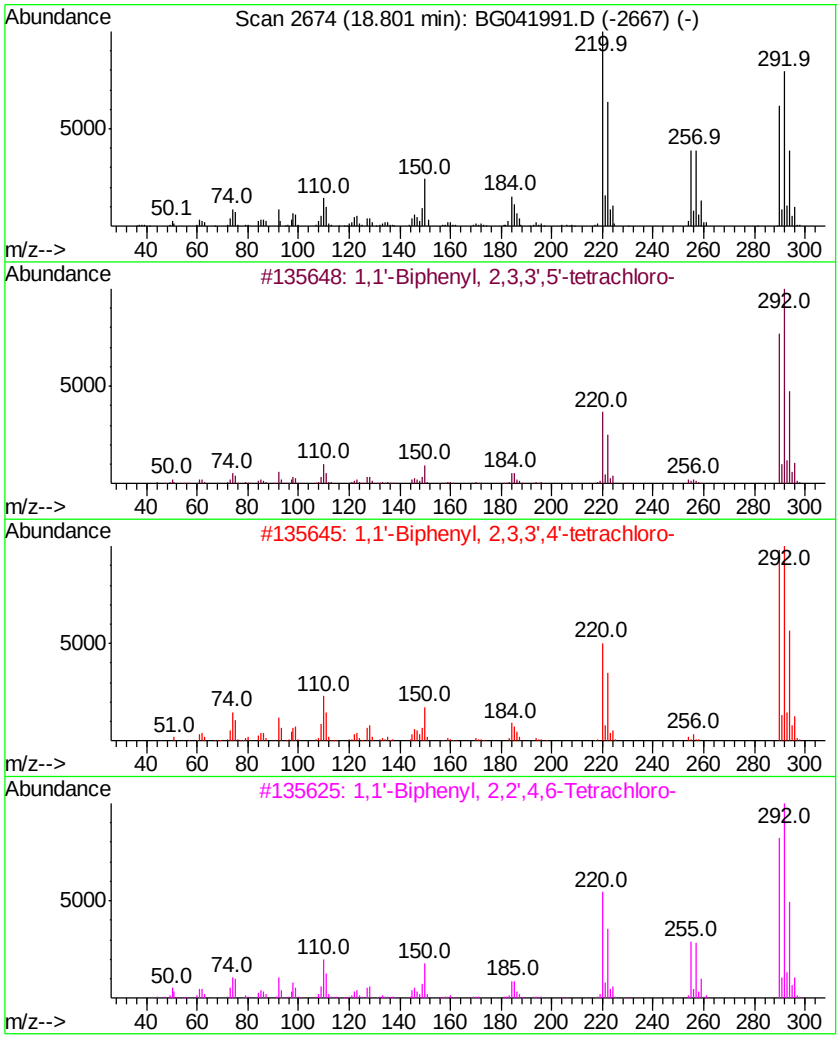
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

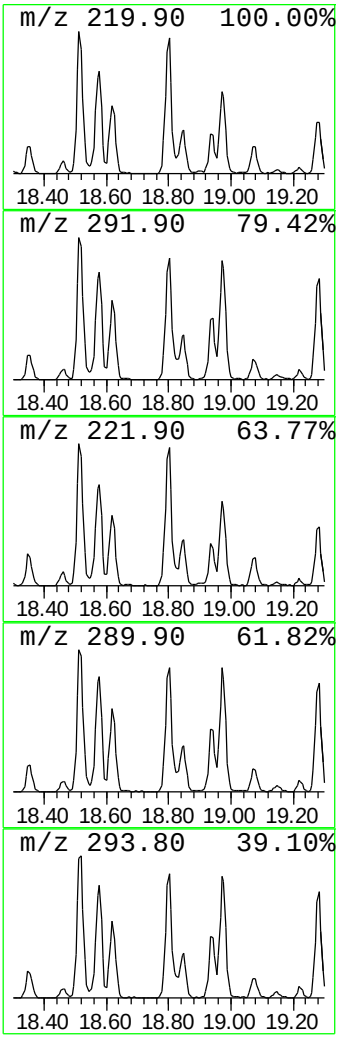
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	6.45 ng/ul	632404	Phenanthrene-d10	17.44

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, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





Library Search Compound Report

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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

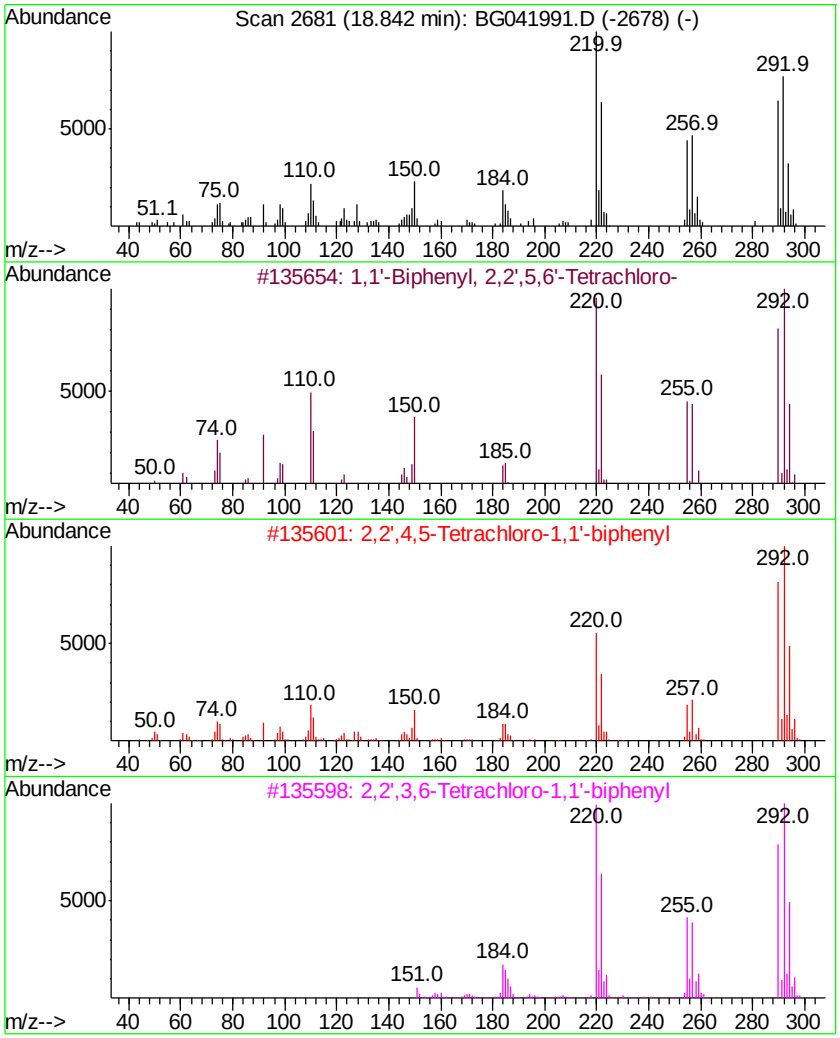
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

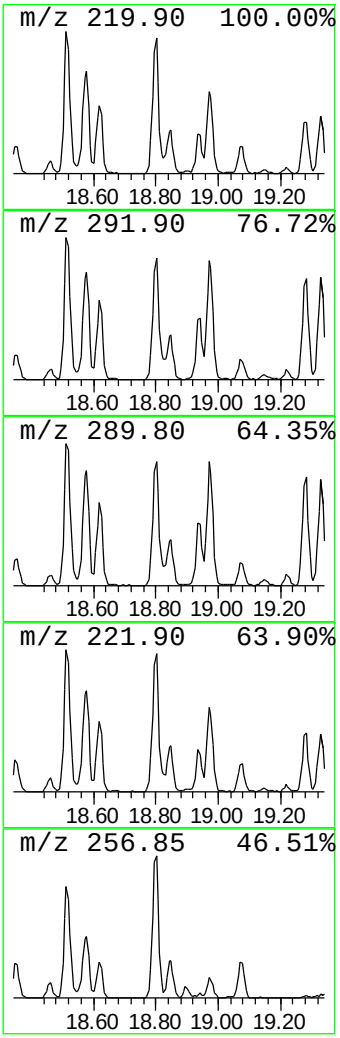
****

Peak Number 8 1,1'-Biphenyl, 2,2',5,6'-Te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.14 ng/ul	210191	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	98
4	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	98
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	97





Library Search Compound Report

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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

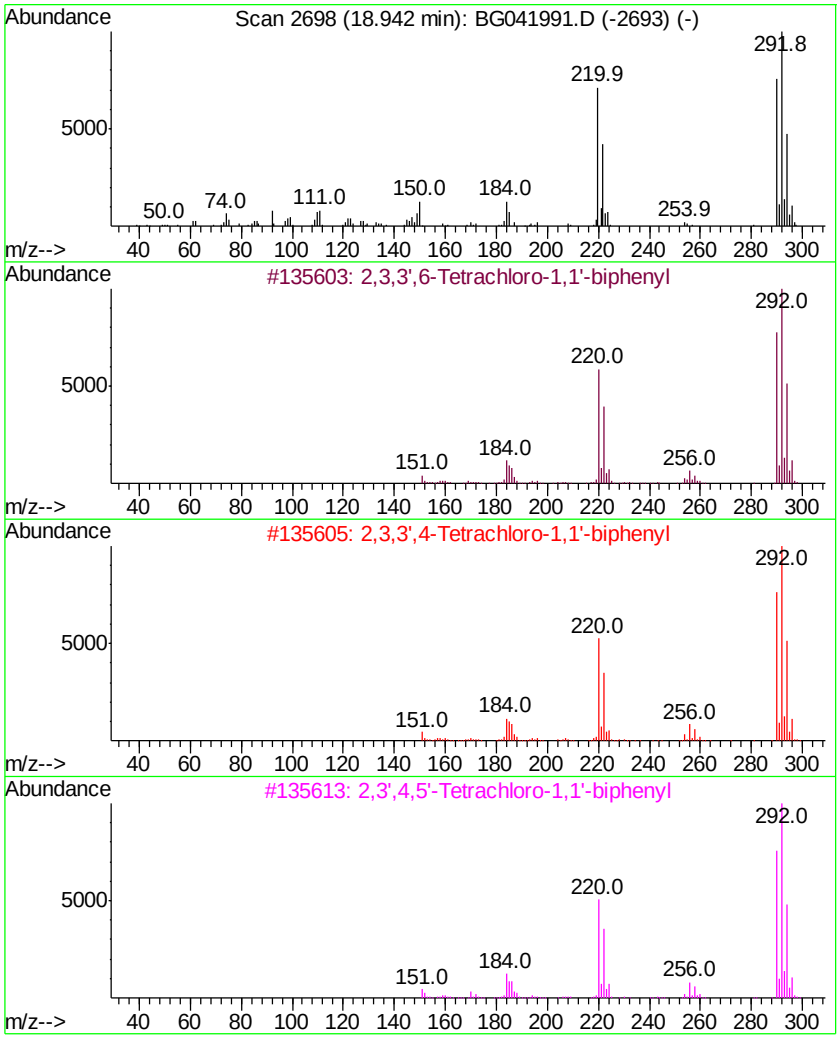
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

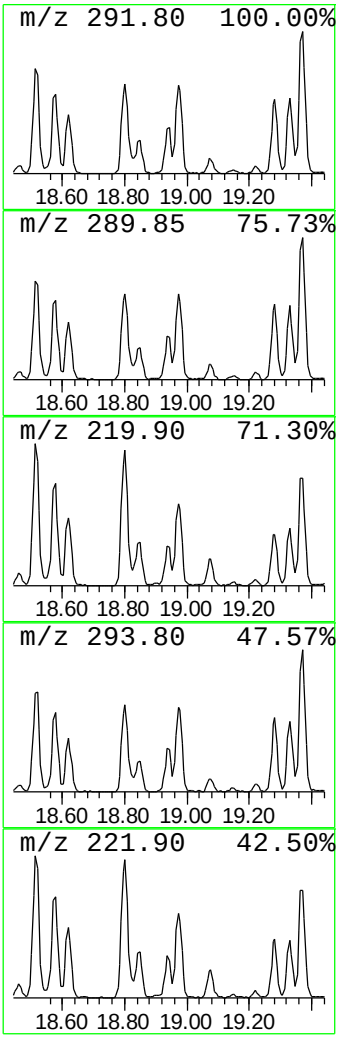
****

Peak Number 9 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.11 ng/ul	206821	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
2	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
3	2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	99
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
5	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99





Library Search Compound Report

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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

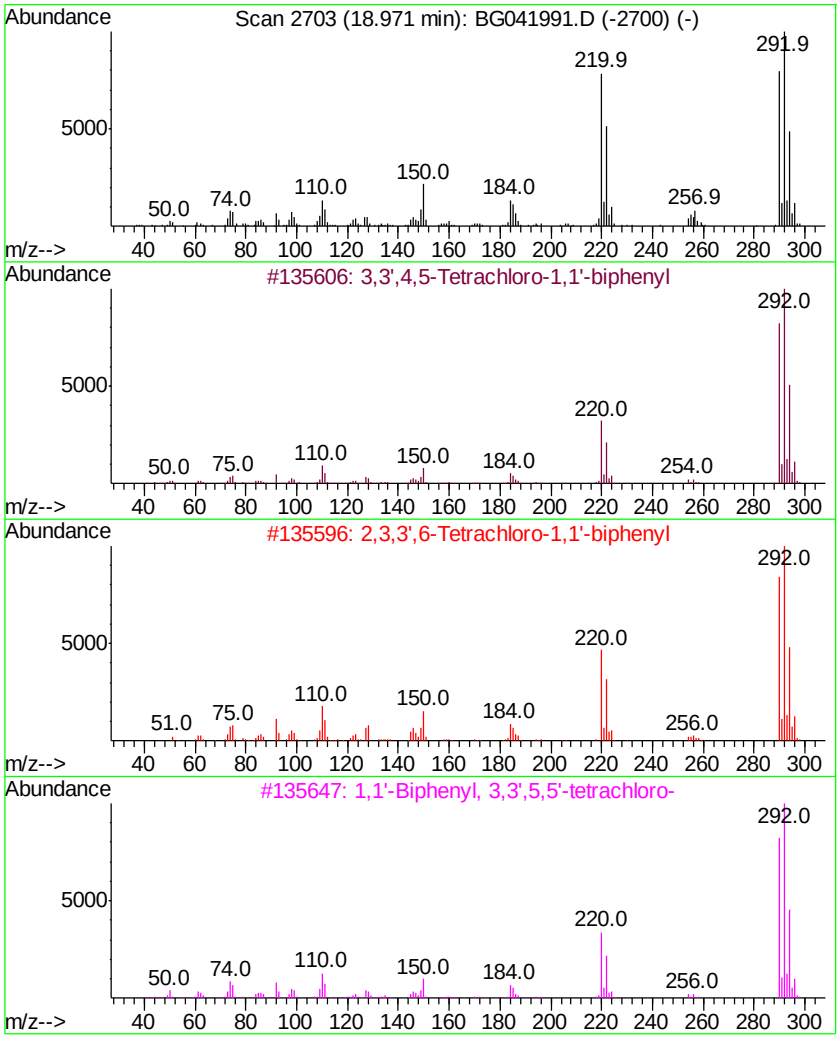
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

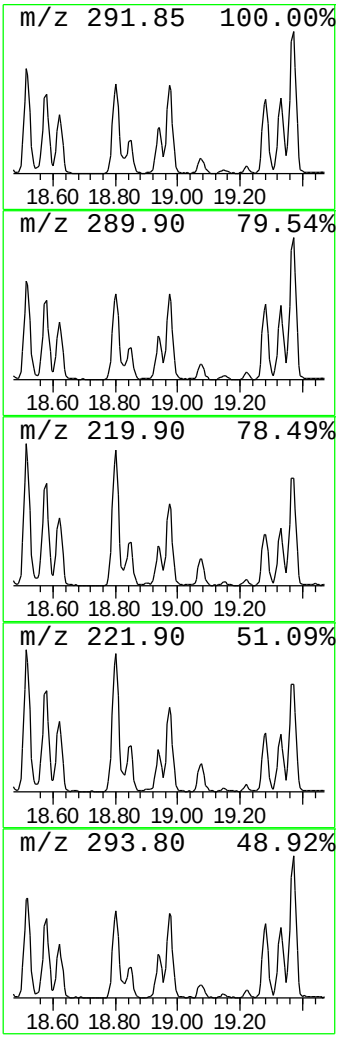
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.11 ng/ul	402979	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99





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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

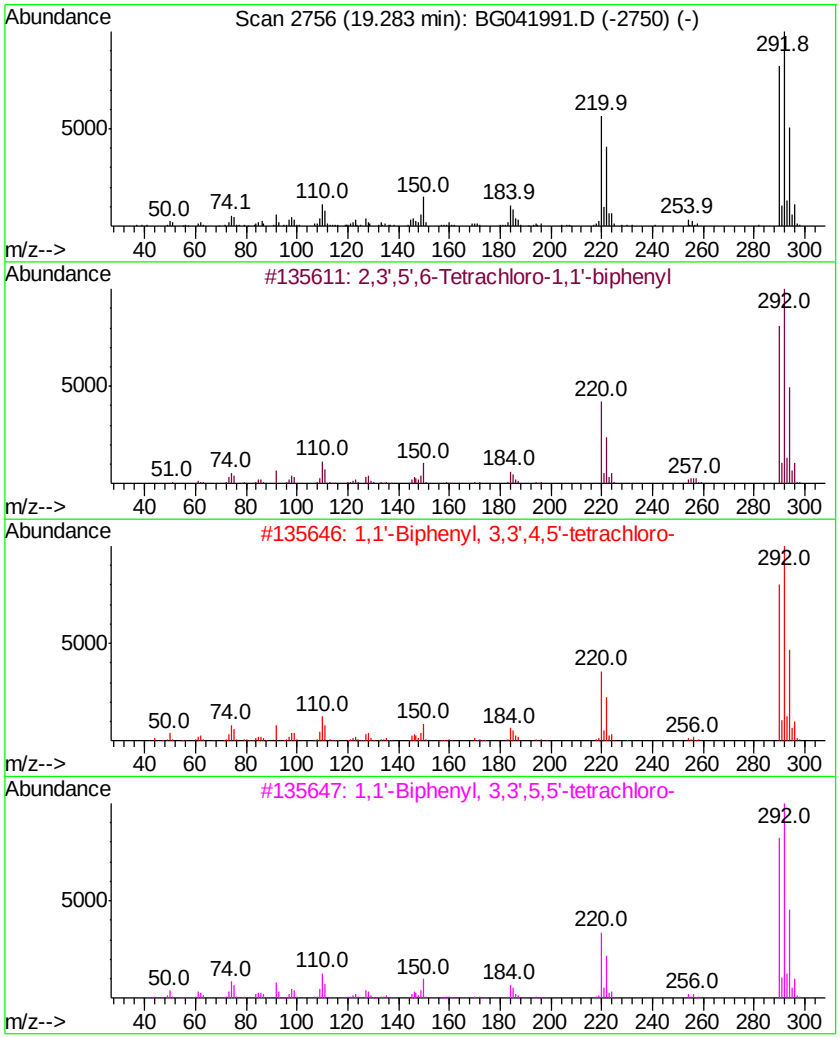
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

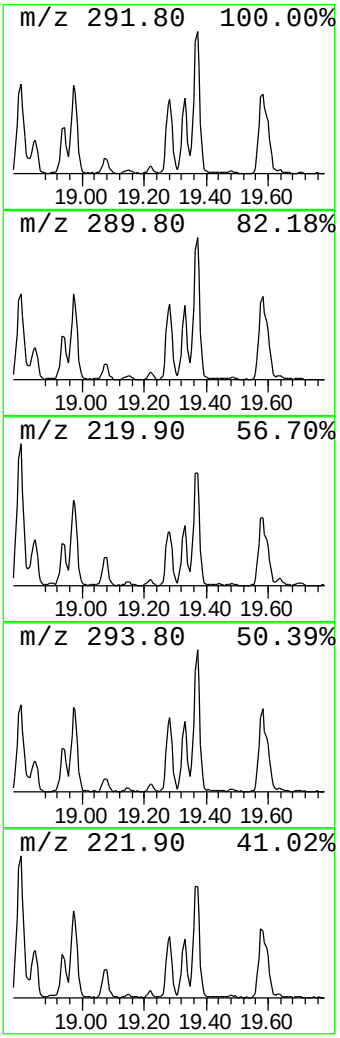
****

Peak Number 11 2,3',5',6-Tetrachloro-1,1'-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.21 ng/ul	314240	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	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

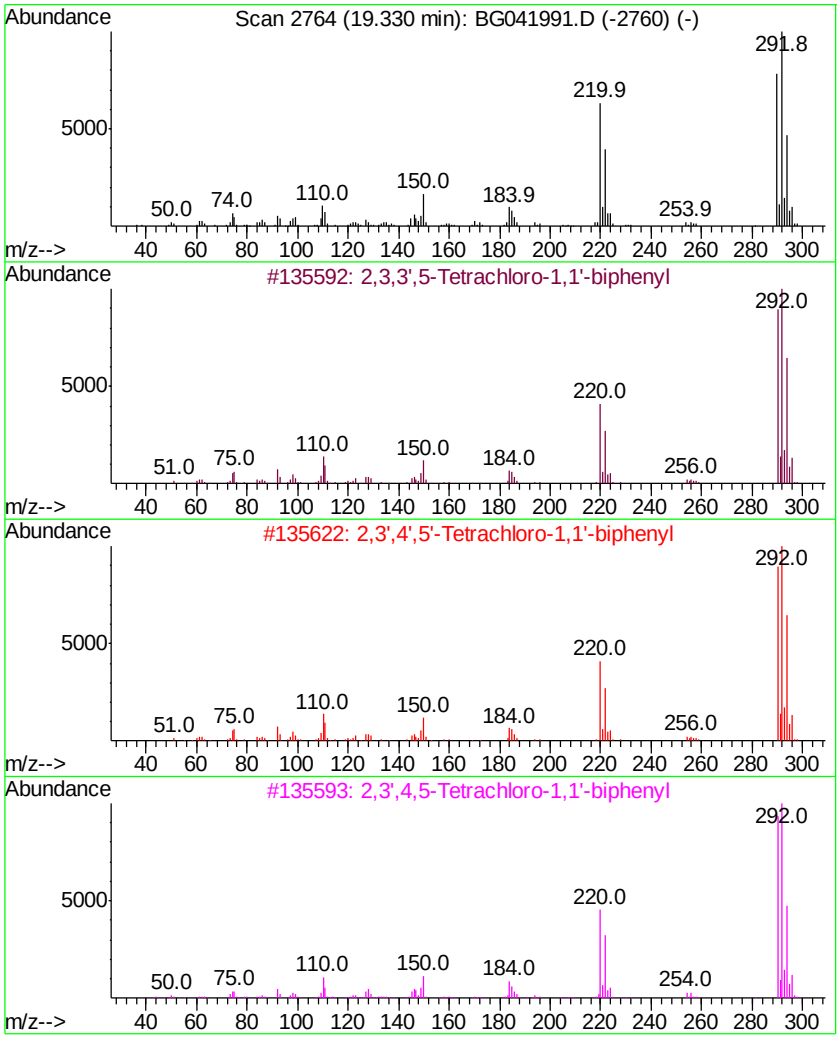
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

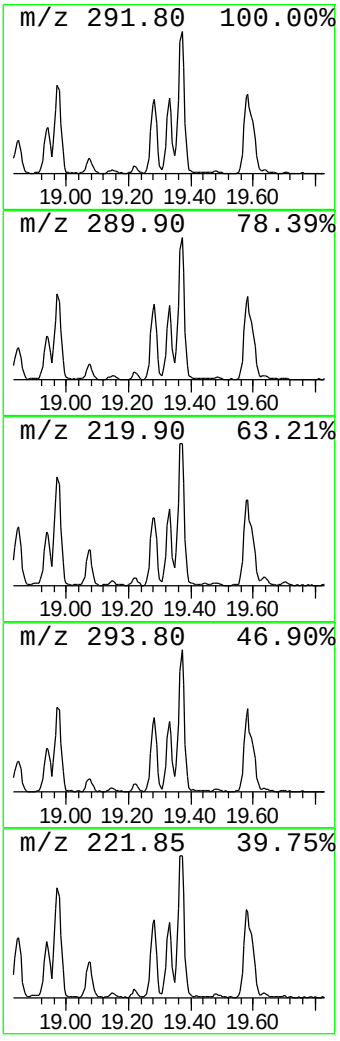
****

Peak Number 12 2,3,3',5-Tetrachloro-1,1'-b... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	3.07 ng/ul	300555	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	99
2	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	99
3	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
4	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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

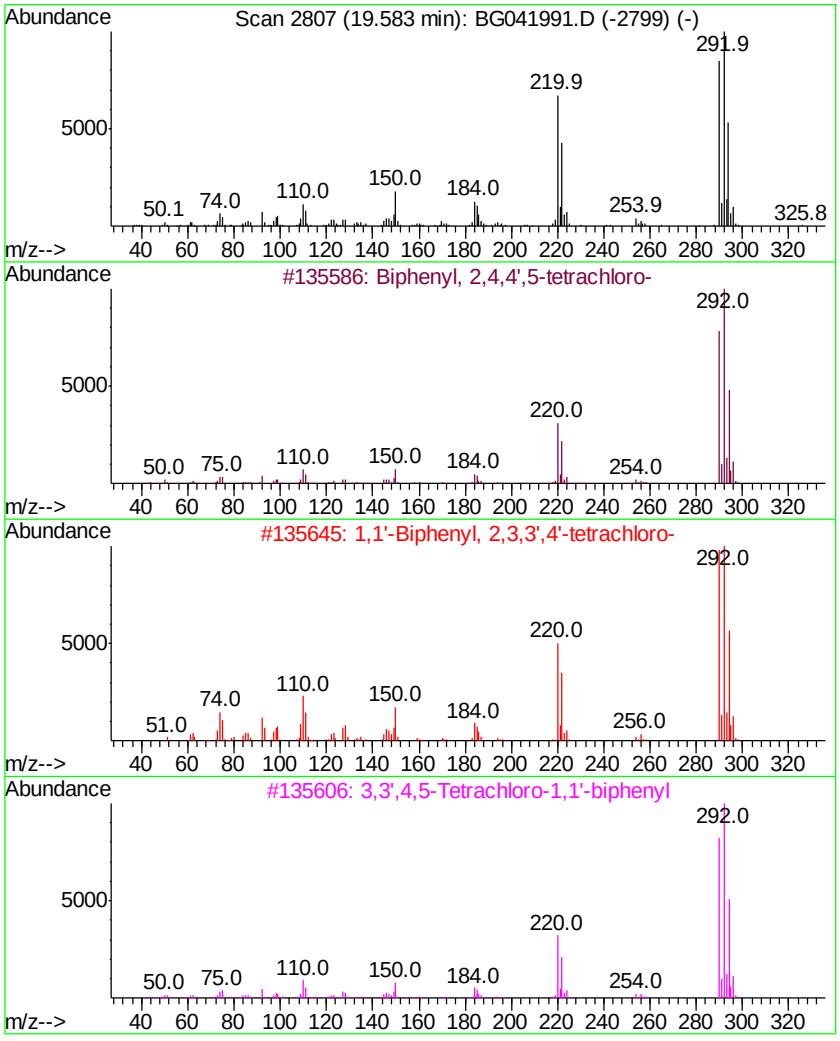
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

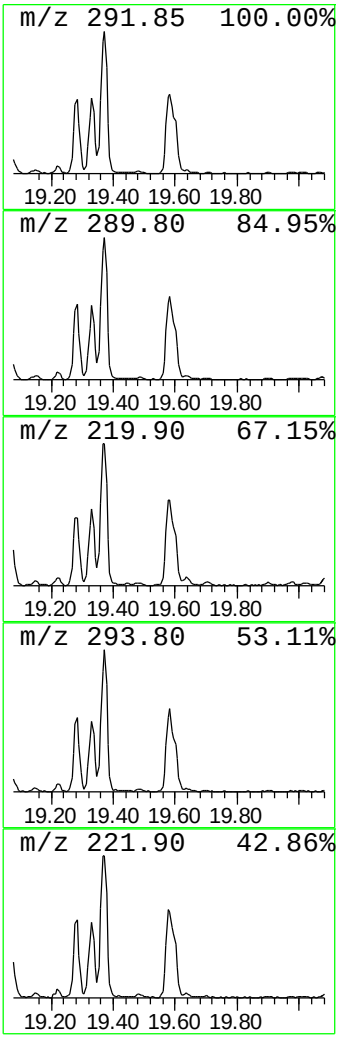
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	5.61 ng/ul	550412	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	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	99





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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

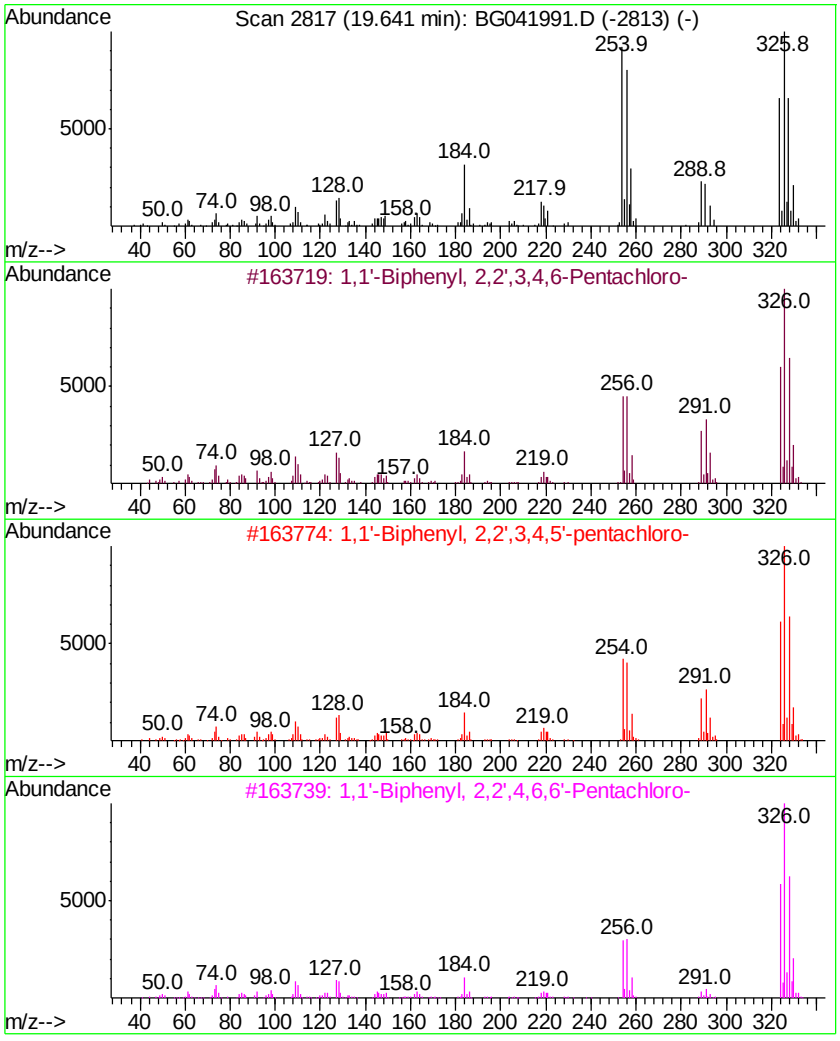
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

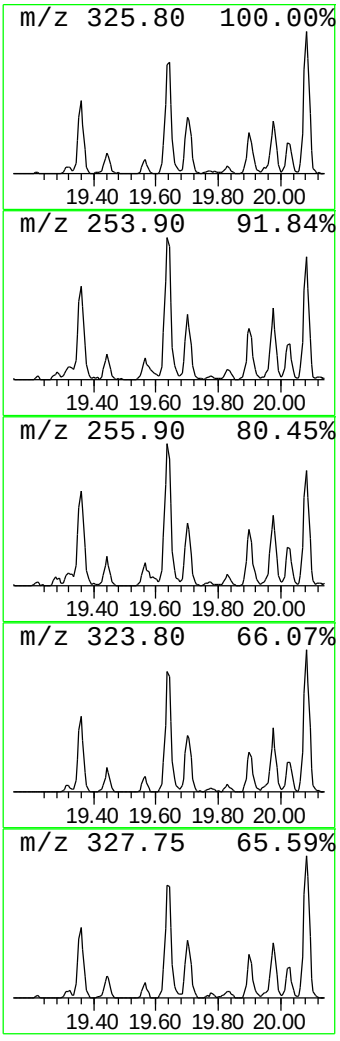
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.67 ng/ul	332814	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99
5	2,2',3,4,4'-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99





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Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

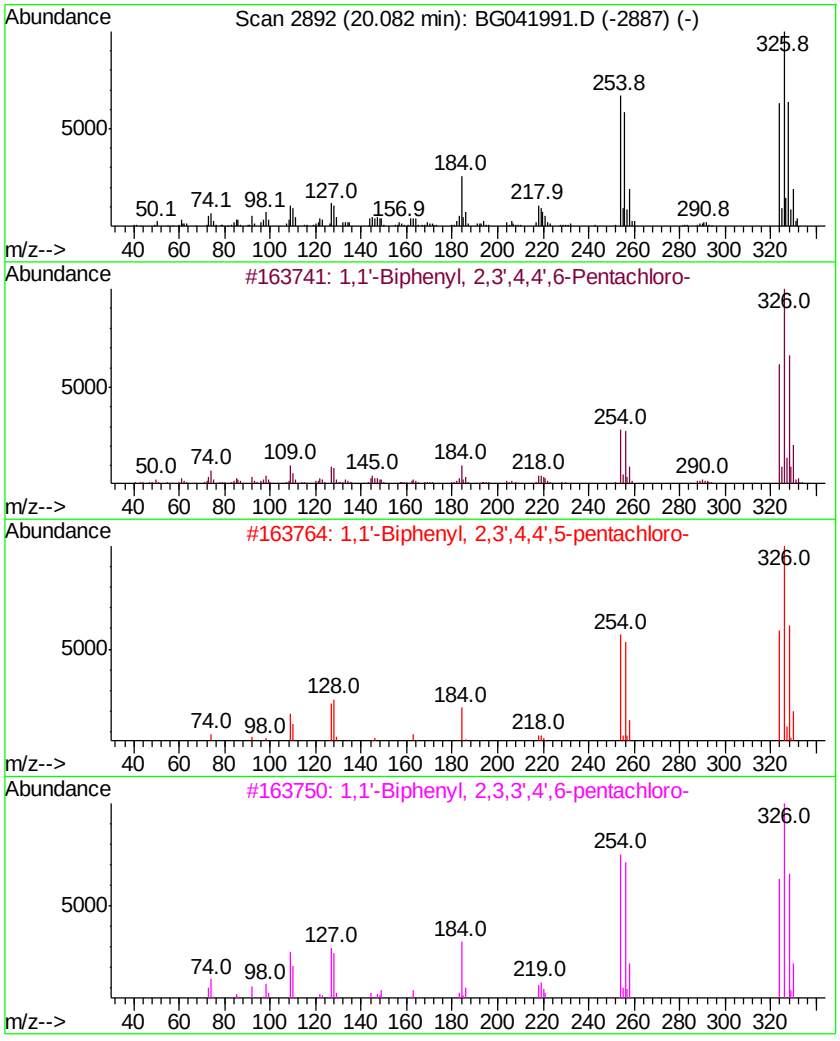
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

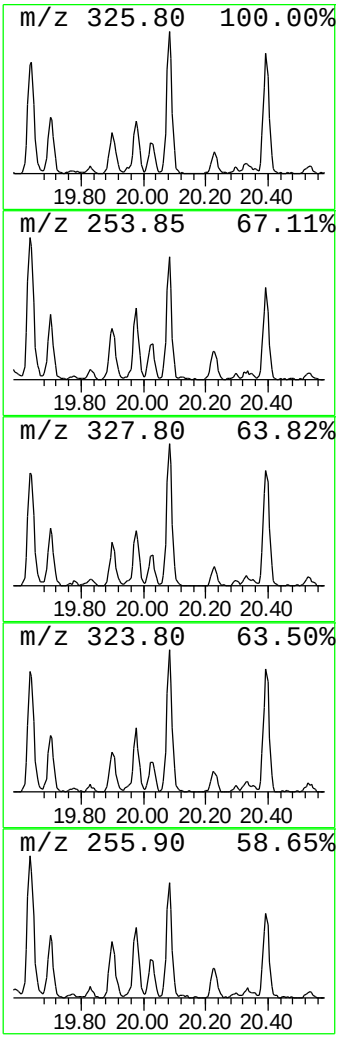
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1,1'-Biphenyl, 2,3',4,4',6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.14 ng/ul	267457	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	99
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	97
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080519\
Data File : BG041991.D
Acq On : 6 Aug 2019 7:33
Operator : HP/JU
Sample : K4022-21
Misc : GCMS CONFIRMATION
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETNK9

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	4.0	ng/ul	153129	1	8.03	764017	20.0
1,1'-Biphenyl, 2'...	17.62	2.2	ng/ul	219106	4	17.44	1960600	20.0
1,1'-Biphenyl, 3,...	18.05	5.4	ng/ul	525153	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	18.51	6.6	ng/ul	646489	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	18.58	4.7	ng/ul	457649	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	18.62	3.0	ng/ul	297868	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	18.80	6.5	ng/ul	632404	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	18.84	2.1	ng/ul	210191	4	17.44	1960600	20.0
2,3,3',6-Tetrachl...	18.94	2.1	ng/ul	206821	4	17.44	1960600	20.0
3,3',4,5-Tetrachl...	18.97	4.1	ng/ul	402979	4	17.44	1960600	20.0
2,3',5',6-Tetrach...	19.28	3.2	ng/ul	314240	4	17.44	1960600	20.0
2,3,3',5-Tetrachl...	19.33	3.1	ng/ul	300555	4	17.44	1960600	20.0
Biphenyl, 2,4,4',...	19.58	5.6	ng/ul	550412	4	17.44	1960600	20.0
1,1'-Biphenyl, 2,...	19.64	2.7	ng/ul	332814	5	21.73	2495030	20.0
1,1'-Biphenyl, 2,...	20.08	2.1	ng/ul	267457	5	21.73	2495030	20.0