LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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	13	rVB	118277	130950	0.83%	0.075%
2	3.099	16	19	22	rVV	29742	31430	0.20%	0.018%
3	3.152	26	28	31	rVV	19061	18364	0.12%	0.011%
4	3.193	31	35	42	rVB	346775	379222	2.39%	0.218%
5	3.528	88	92	97	rVB	21605	27234	0.17%	0.016%
6	4.005	169	173	178	rVB	12449	16346	0.10%	0.009%
7	4.452	244	249	256	rVB	232028	305900	1.93%	0.176%
8	6.963	669	676	681	rBV	94767	136161	0.86%	0.078%
9	7.804	812	819	831	rBV	801369	1253955	7.91%	0.722%
10	9.404	1084	1091	1097	rBV	10938	16789	0.11%	0.010%
11	10.592	1286	1293	1307	rBV	1134687	1934337	12.20%	1.113%
12	14.439	1940	1947	1958	rBV	2010373	2945930	18.59%	1.695%
13	16.110	2225	2231	2236	rBV	9178	16125	0.10%	0.009%
14	16.710	2330	2333	2336	rBV3	14740	17794	0.11%	0.010%
15	16.751	2336	2340	2347	rVB	38919	56584	0.36%	0.033%
16	16.827	2349	2353	2360	rBV	43134	57380	0.36%	0.033%
17	17.057	2387	2392	2396	rBV	42796	59668	0.38%	0.034%
18	17.092	2396	2398	2402	rVV	22113	28023	0.18%	0.016%
19	17.180	2406	2413	2425	rBV	2469256	3520426	22.21%	2.026%
20	17.357	2438	2443	2450	rVV2	99825	156353	0.99%	0.090%
21	17.627	2485	2489	2493	rBV	34024	49107	0.31%	0.028%
22	17.662	2493	2495	2500	rVB3	15396	18898	0.12%	0.011%
23	17.780	2508	2515	2521	rBV	388883	701139	4.42%	0.404%
24	17.898	2530	2535	2543	rBV3	118895	192099	1.21%	0.111%
25	17.974	2544	2548	2551	rBV3	21174	24757	0.16%	0.014%
26	18.027	2552	2557	2561	rBV2	149707	204105	1.29%	0.117%
27	18.080	2561	2566	2573	rVB3	104424	174181	1.10%	0.100%
28	18.192	2581	2585	2589	rBV4	28175	43613	0.28%	0.025%
29	18.251	2589	2595	2600	rVV	4974413	6298608	39.74%	3.625%
30	18.309	2600	2605	2609	rVV	1126031	1440050	9.08%	0.829%
31	18.351	2609	2612	2619	rVB	264235	335268	2.12%	0.193%
32	18.533	2637	2643	2648	rBV	2082590	2718686	17.15%	1.565%
33	18.580	2648	2651	2656	rVV2	191118	257678	1.63%	0.148%
34	18.633	2656	2660	2663	rVV	68636	98064	0.62%	0.056%

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Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	18.674	2663	2667	2669	rVV	197792	258536	1.63%	0.149%
36	18.709	2669	2673	2679	rVB	744262	932436	5.88%	0.537%
37	18.774	2680	2684	2687	rBV3	90870	126928	0.80%	0.073%
38	18.809	2687	2690	2695	rVB	133887	171946	1.08%	0.099%
39	18.956	2711	2715	2721	rBV	77138	108134	0.68%	0.062%
40	19.021	2721	2726	2729	rVV	987790	1239159	7.82%	0.713%
41	19.074	2729	2735	2736	rVV	2403072	3015209	19.02%	1.735%
42	19.104	2736	2740	2746	rVV2	7544210	10658936	67.24%	6.134%
43	19.186	2749	2754	2759	rVB	1082023	1361413	8.59%	0.783%
44	19.309	2769	2775	2782	rBV2	1778727	3062005	19.32%	1.762%
45	19.386	2782	2788	2794	rVV	11367520	15851103	100.00%	9.122%
46	19.451	2794	2799	2804	rVB	4111693	5099019	32.17%	2.934%
47	19.515	2806	2810	2814	rBV	150871	195667	1.23%	0.113%
48	19.574	2815	2820	2827	rVB2	510917	630947	3.98%	0.363%
49	19.645	2827	2832	2837	rBV	3206357	3945322	24.89%	2.271%
50	19.721	2837	2845	2850	rVV	5099262	6815720	43.00%	3.922%
51	19.774	2850	2854	2857	rVV	1689162	2045038	12.90%	1.177%
52	19.833	2857	2864	2869	rVV	11078517	14724695	92.89%	8.474%
53	19.874	2869	2871	2876	rVB	100466	107822	0.68%	0.062%
54	19.956	2880	2885	2886	rBV	960964	1235043	7.79%	0.711%
55	19.974	2886	2888	2890	rVV	1150433	1295953	8.18%	0.746%
56	19.998	2890	2892	2897	rVV	800444	1164446	7.35%	0.670%
57	20.045	2897	2900	2903	rVV	589213	674669	4.26%	0.388%
58	20.092	2903	2908	2913	rVV3	4935228	6789667	42.83%	3.907%
59	20.145	2913	2917	2922	rVB	10385246	12342699	77.87%	7.103%
60	20.221	2925	2930	2935	rBV	570446	714561	4.51%	0.411%
61	20.292	2935	2942	2948	rVB2	1034219	1758421	11.09%	1.012%
62	20.374	2950	2956	2960	rBV	6228369	7331323	46.25%	4.219%
63	20.427	2960	2965	2967	rVV	2993471	4193005	26.45%	2.413%
64	20.451	2967	2969	2974	rVB	4494178	4534703	28.61%	2.610%
65	20.521	2977	2981	2989	rVB	1334611	1702049	10.74%	0.980%
66	20.592	2989	2993	2995	rBV	627094	744430	4.70%	0.428%
67	20.615	2995	2997	3001	rVB3	647545	715889	4.52%	0.412%
68	20.686	3001	3009	3017	rBV	7371125	12822930	80.90%	7.380%
69	20.774	3020	3024	3028	rVB	558900	628750	3.97%	0.362%
70	20.833	3030	3034	3040	rVB	642503	787175	4.97%	0.453%
71	20.898	3041	3045	3056	rBV3	286180	402050	2.54%	0.231%

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ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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_M\METHODS\SOM-EPA-BM092719MA.M
Title : SVOA CALIBRATION

72	20.992	3056	3061	3066	rBV	2531797	3008857	18.98%	1.732%
73	21.103	3076	3080	3086	rVB	439984	527964	3.33%	0.304%
74	21.156	3086	3089	3094	rBV2	283751	335364	2.12%	0.193%
75	21.215	3096	3099	3100	rVV	181534	194128	1.22%	0.112%
76	21.239	3100	3103	3106	rVV	1238217	1413489	8.92%	0.813%
77	21.280	3106	3110	3118	rVV	4538000	5332682	33.64%	3.069%
78	21.356	3119	3123	3126	rVV	2666074	3499339	22.08%	2.014%
79	21.386	3126	3128	3135	rVB	1074671	1246366	7.86%	0.717%
80	21.633	3166	3170	3175	rBV	229954	296281	1.87%	0.171%
81	21.703	3178	3182	3187	rVB	707841	931456	5.88%	0.536%
82	23.627	3502	3509	3519	rVB	1585350	3123598	19.71%	1.798%

Sum of corrected areas: 173762546

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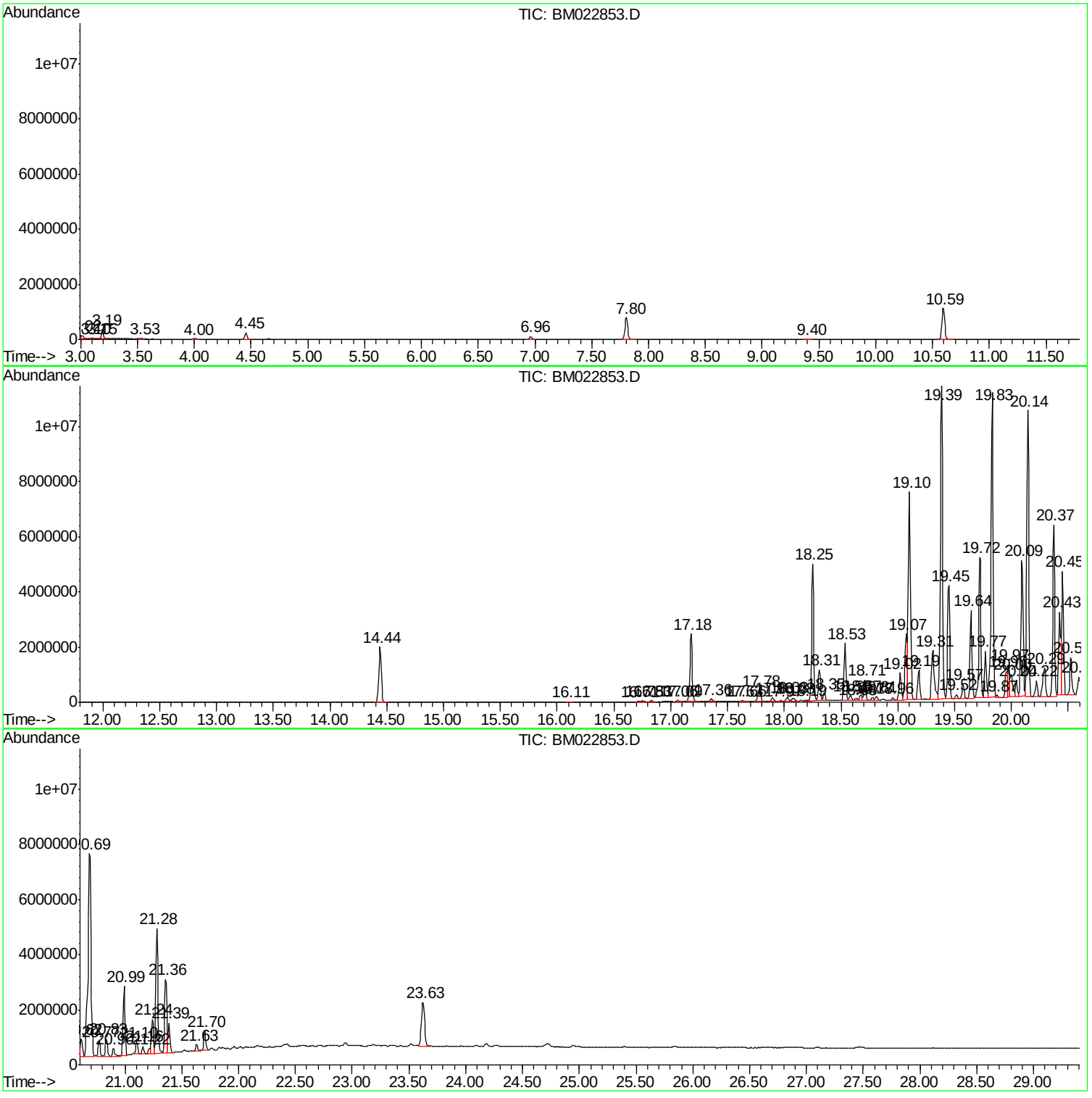
Instrument :
BNA_M
ClientSampleId :
C0AX2

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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Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

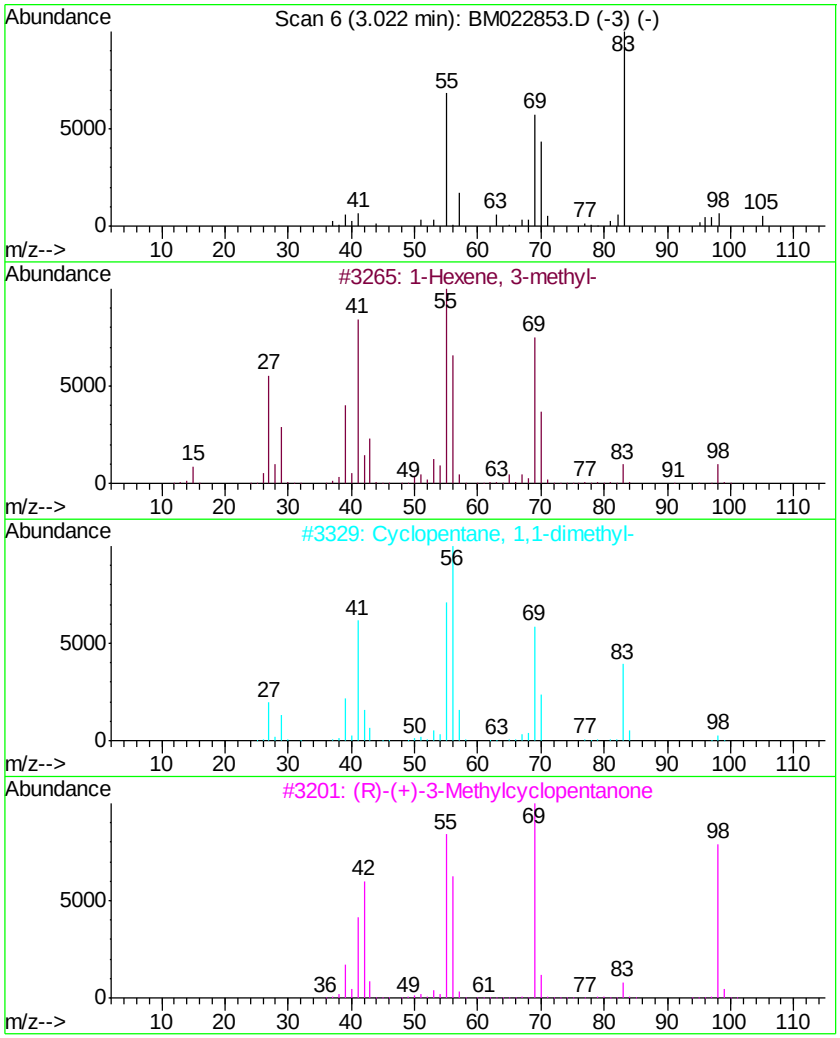
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

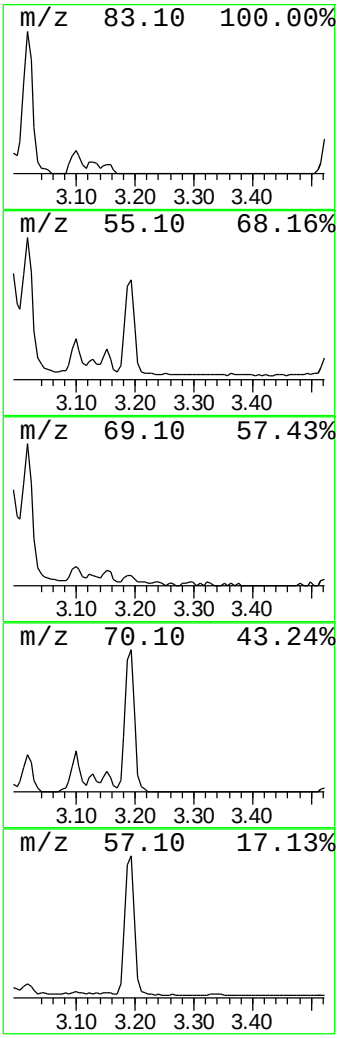
****

Peak Number 1 (DEL) Alkane: Cyclic3.02 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.09 ng/ul	130950	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
3	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	42
5	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	40





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Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
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Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

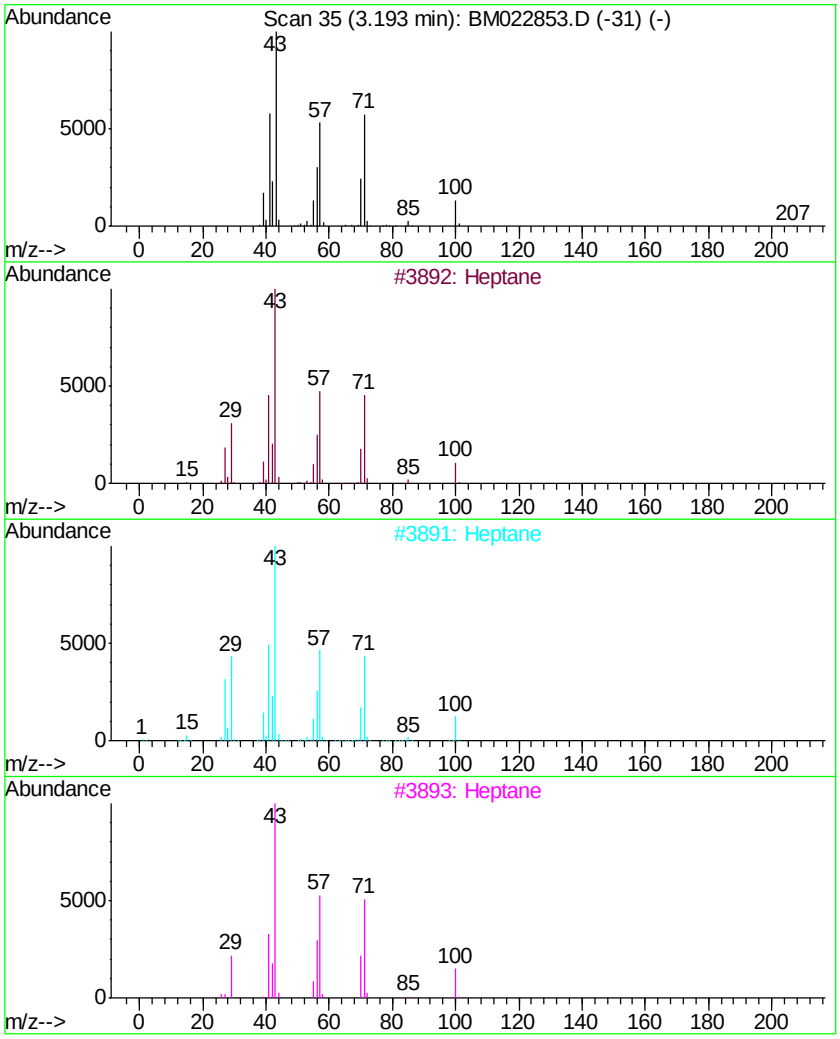
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

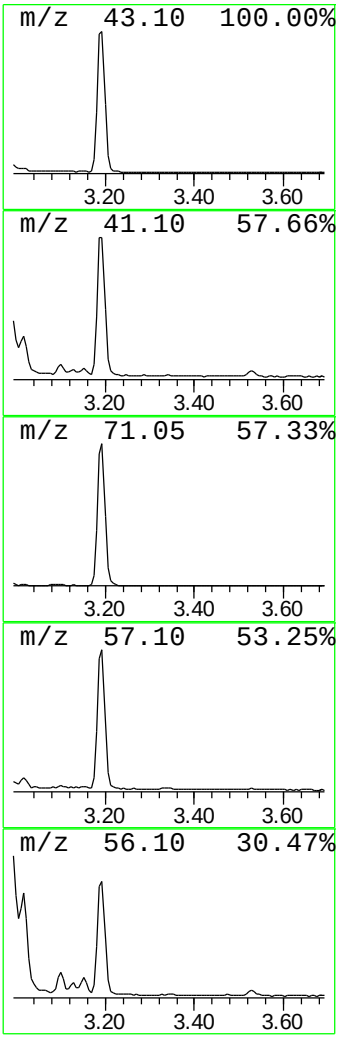
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	6.05 ng/ul	379222	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	95
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	43





Library Search Compound Report

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

TIC Library : C:\DATABASE\NIST02.L
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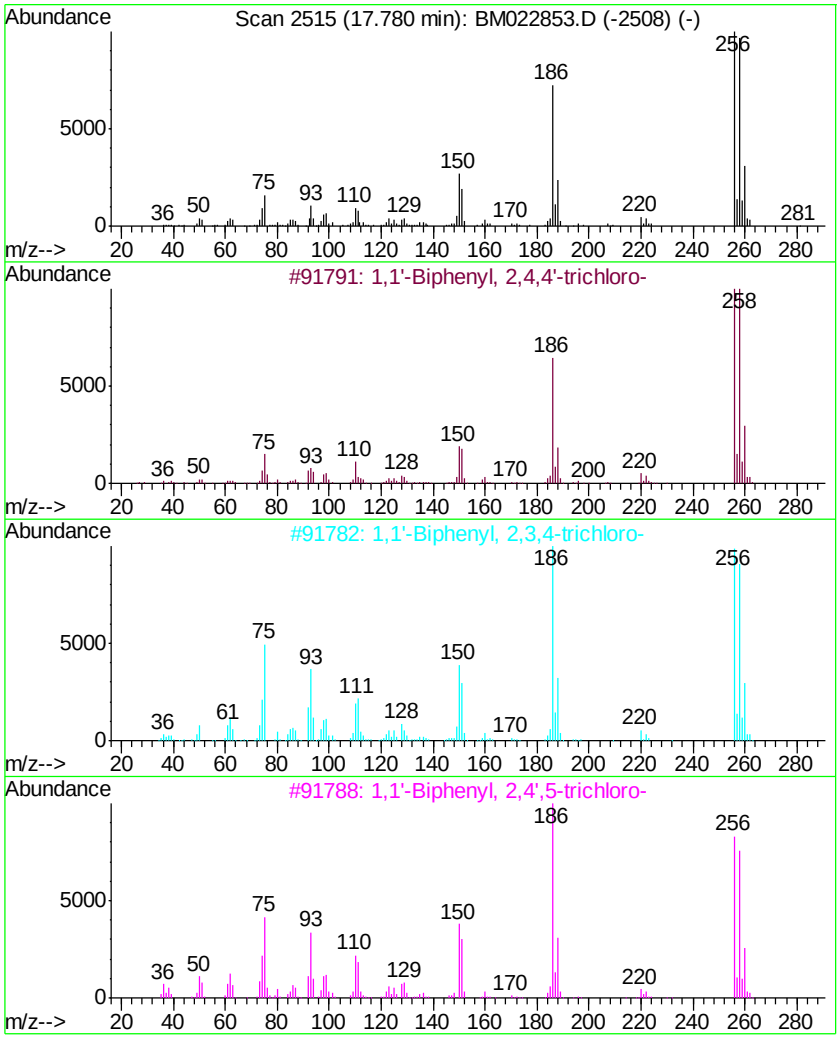
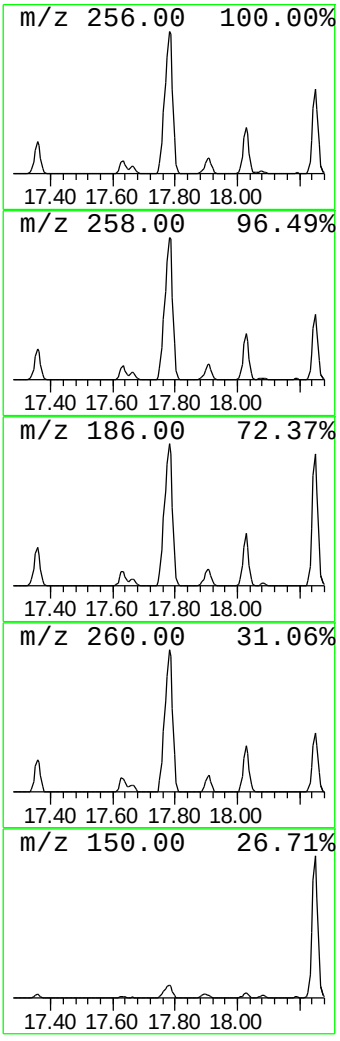
****

Peak Number 5 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.78	3.98 ng/ul	701139	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, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99





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Quant Title : SVOA CALIBRATION

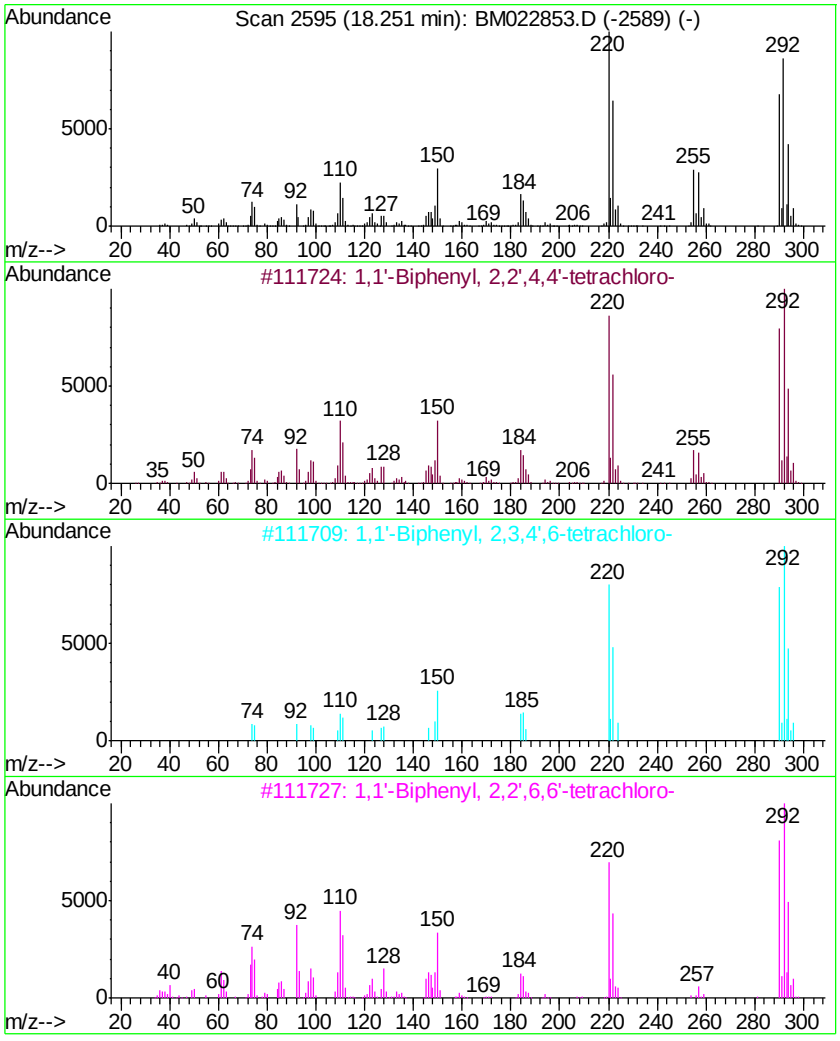
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

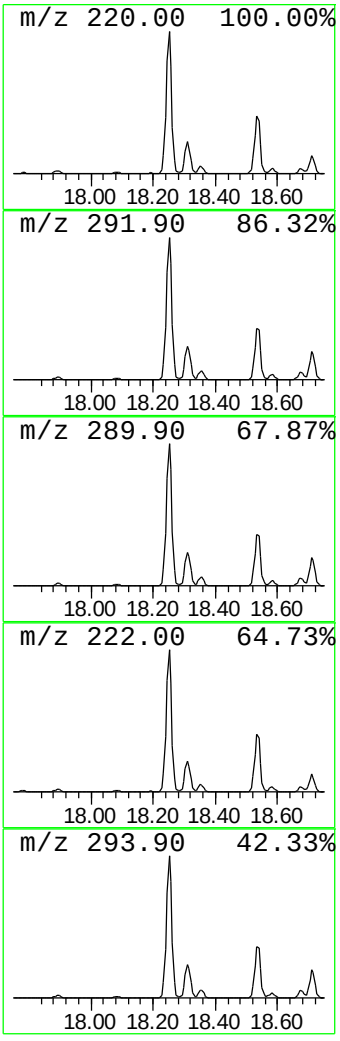
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	35.78 ng/ul	6298610	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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

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

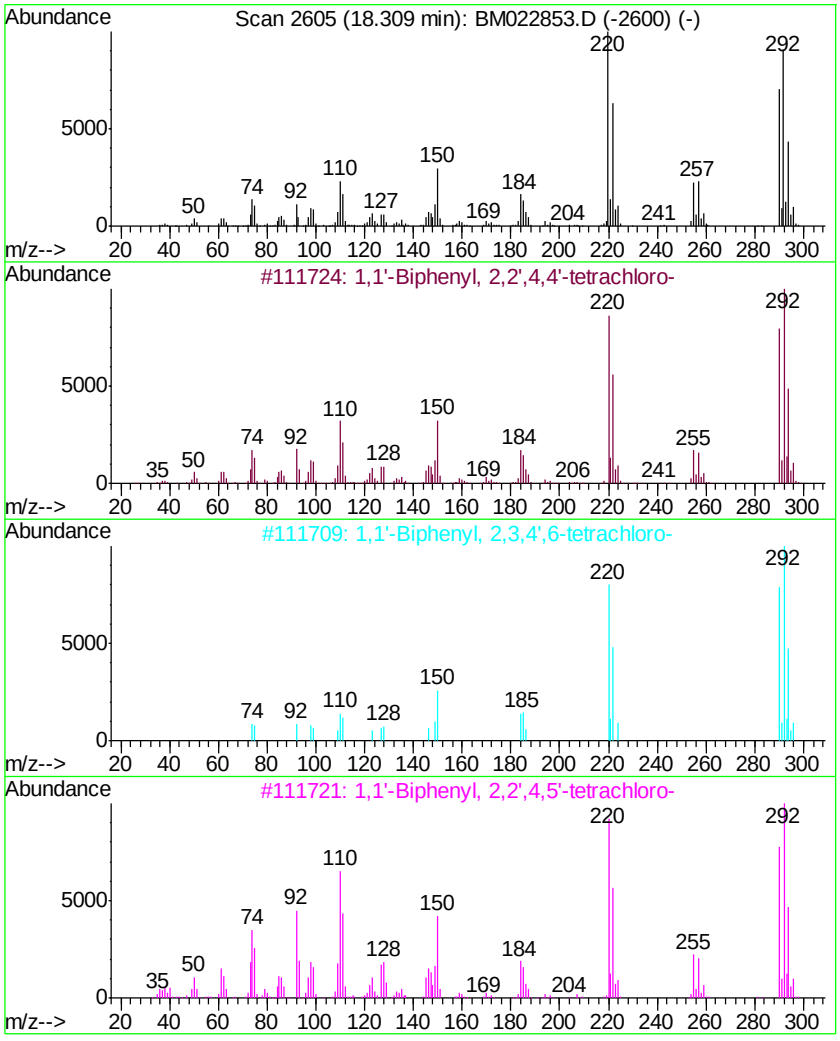
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

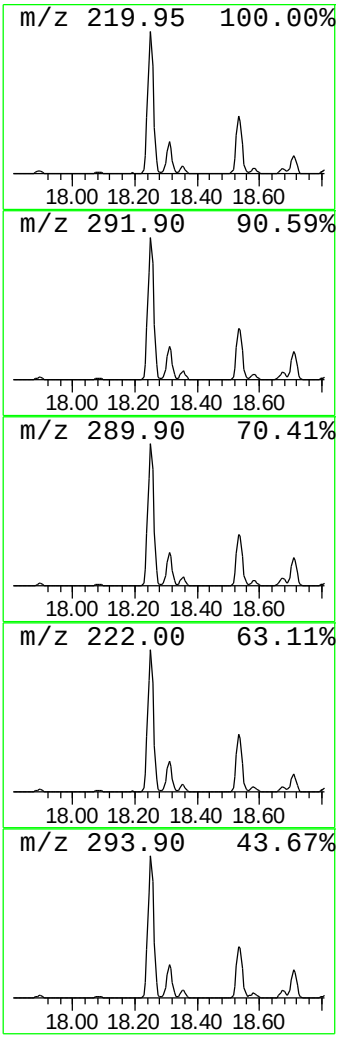
****

Peak Number 7 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	8.18 ng/ul	1440050	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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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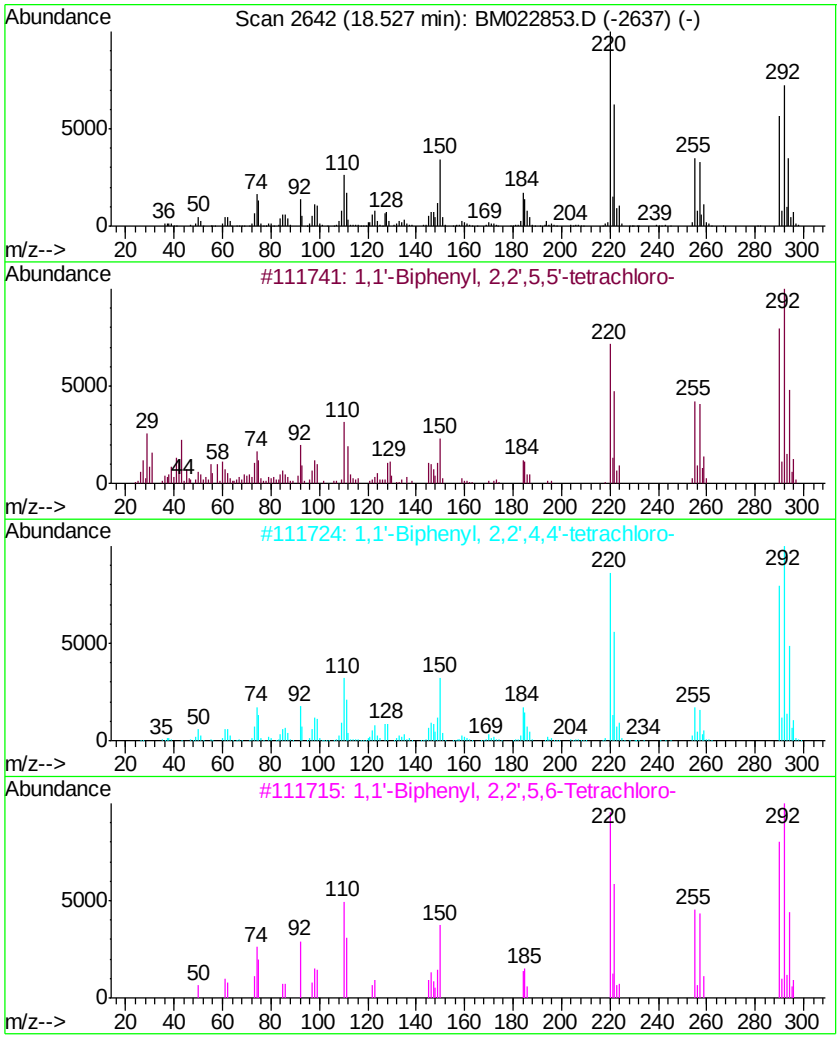
TIC Integration Parameters: LSCINT.P

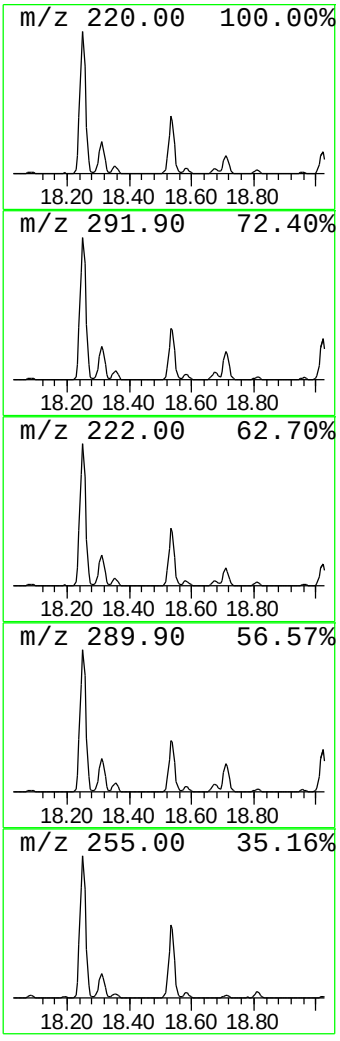
****

Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	15.45 ng/ul	2718690	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Library Search Compound Report

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Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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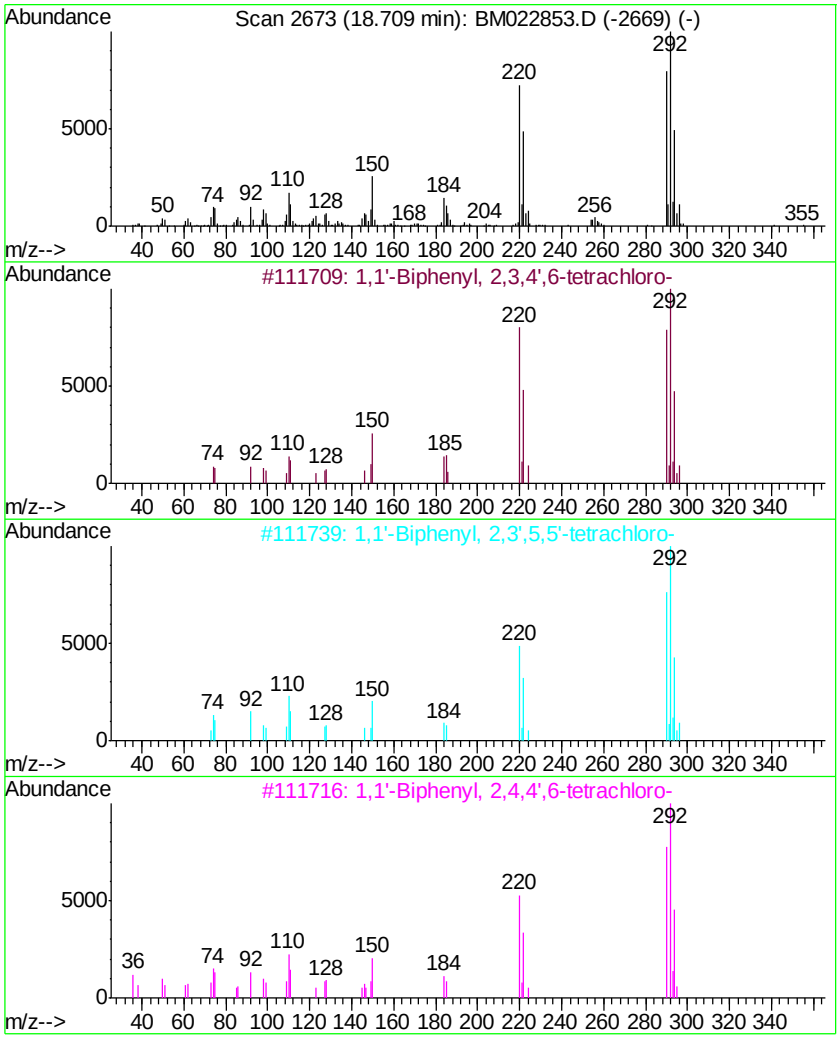
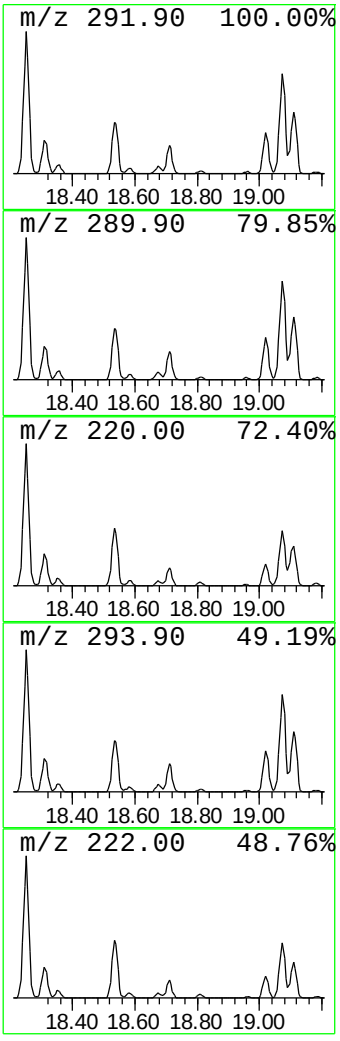
Peak Number 9 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	5.30 ng/ul	932436	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





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Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

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

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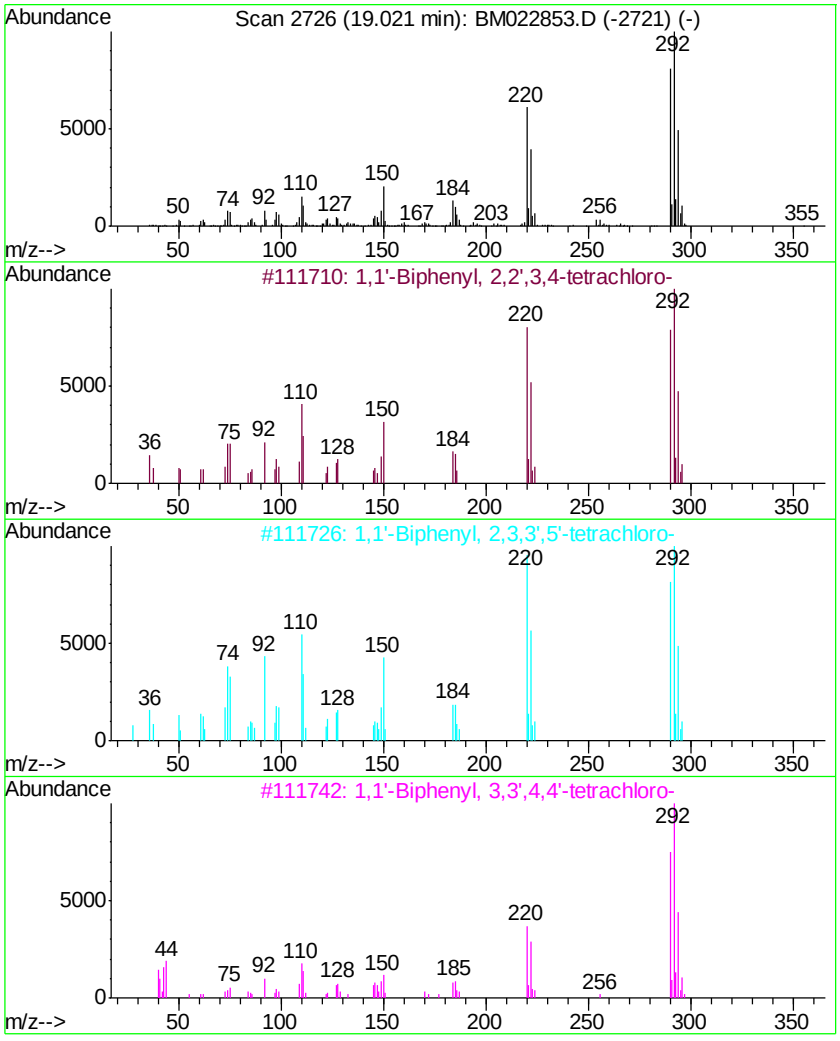
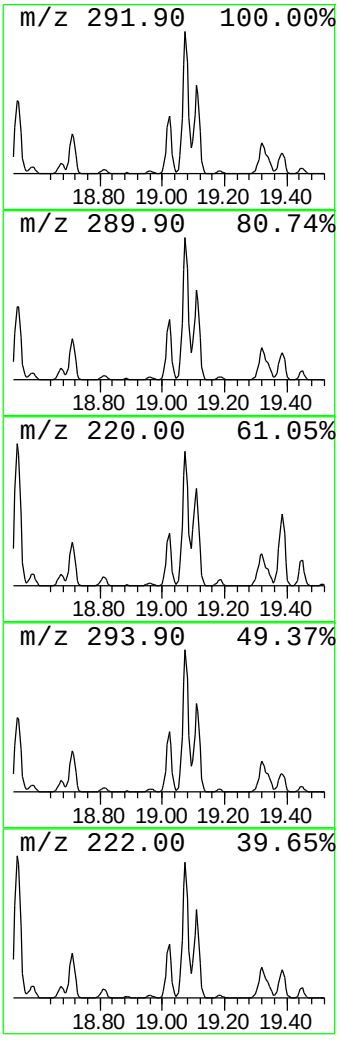
Peak Number 10 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	7.04 ng/ul	1239160	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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

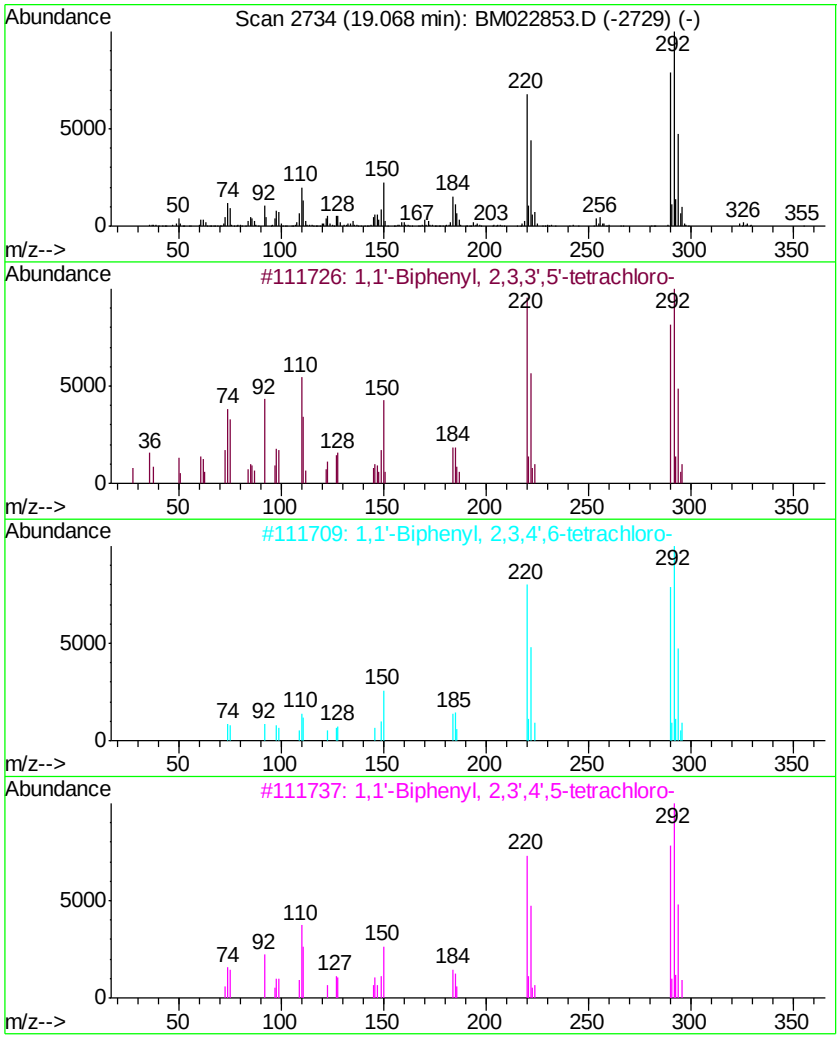
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

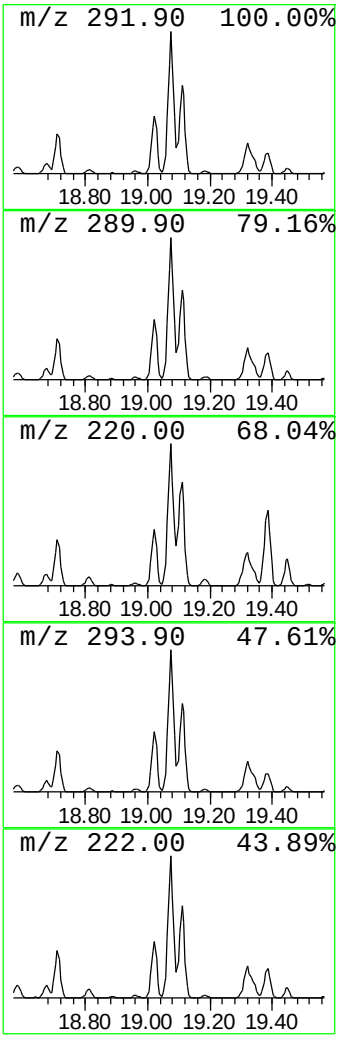
****

Peak Number 11 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	17.13 ng/ul	3015210	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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





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Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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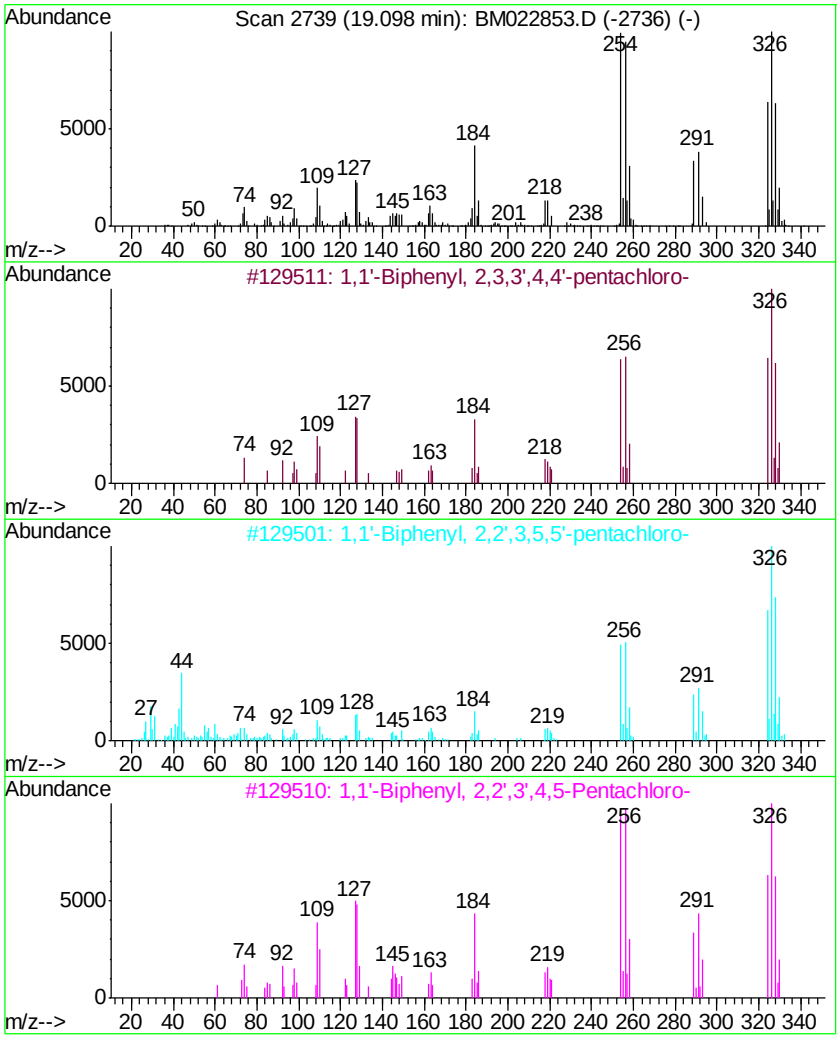
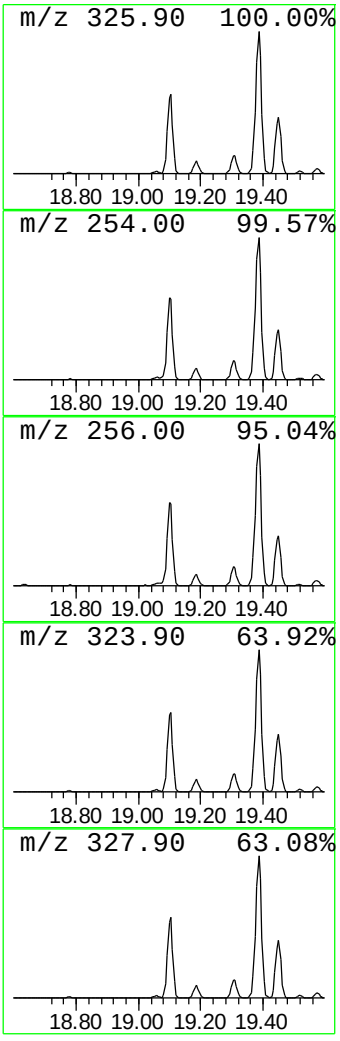
Peak Number 12 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	60.55 ng/ul	10658900	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99





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ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

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

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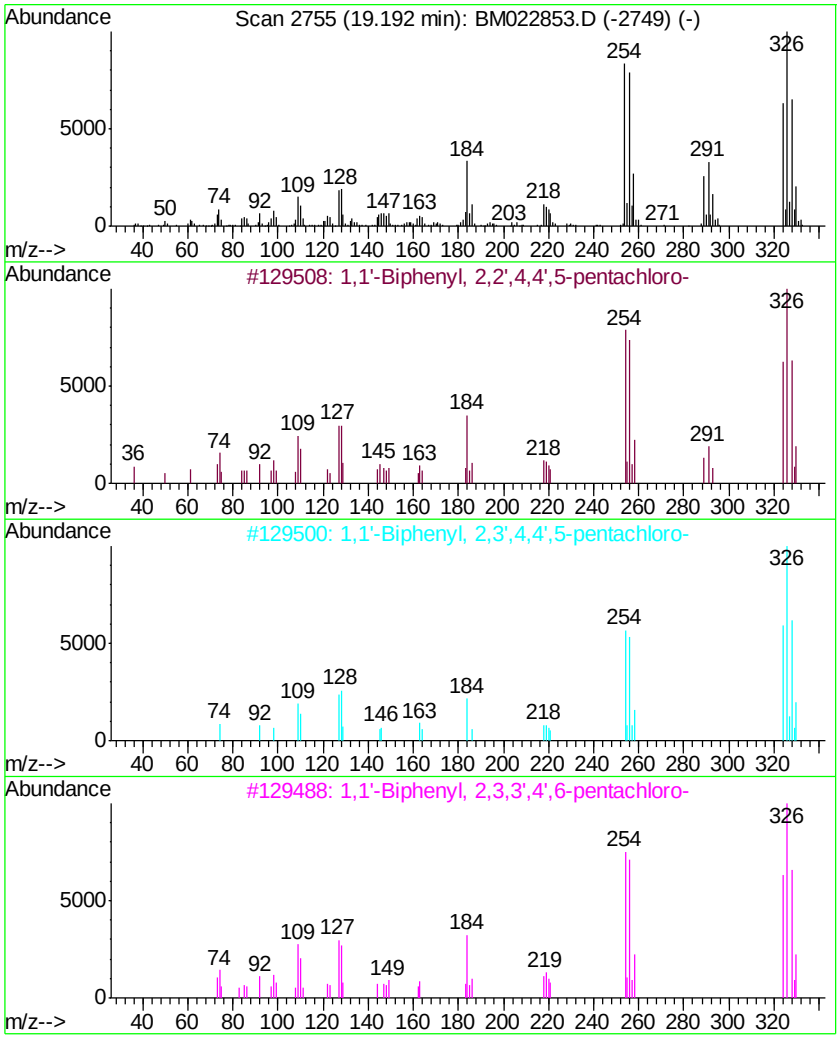
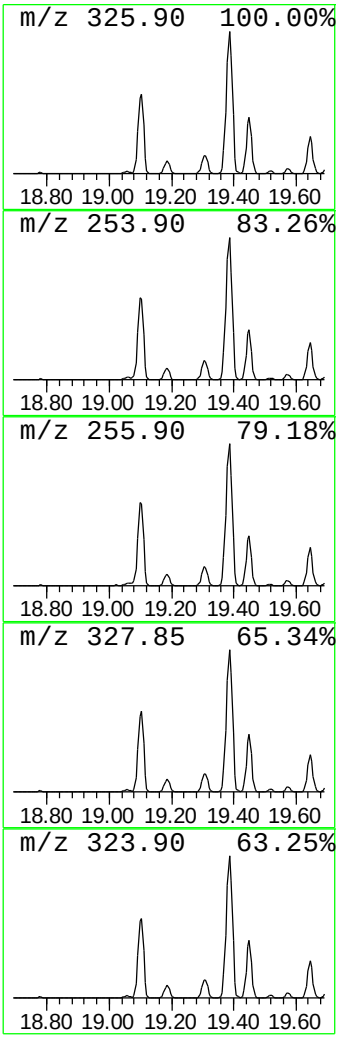
Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	7.73 ng/ul	1361410	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, 2,3',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, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99





Library Search Compound Report

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Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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

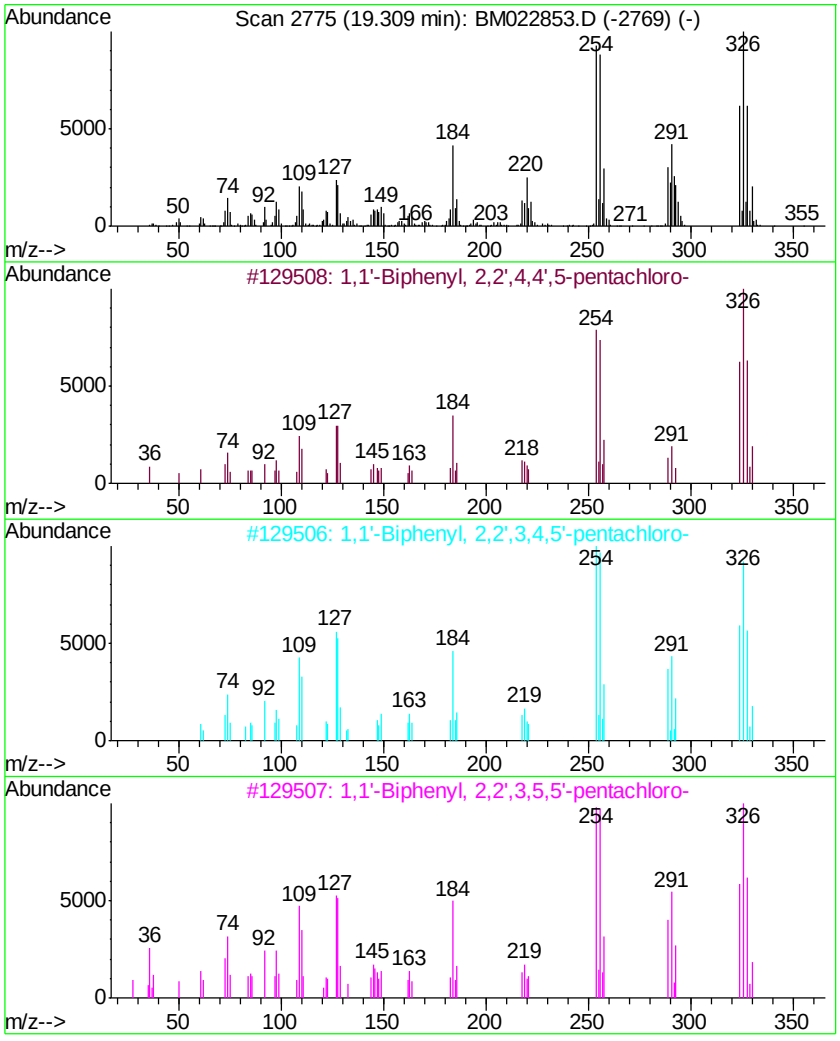
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

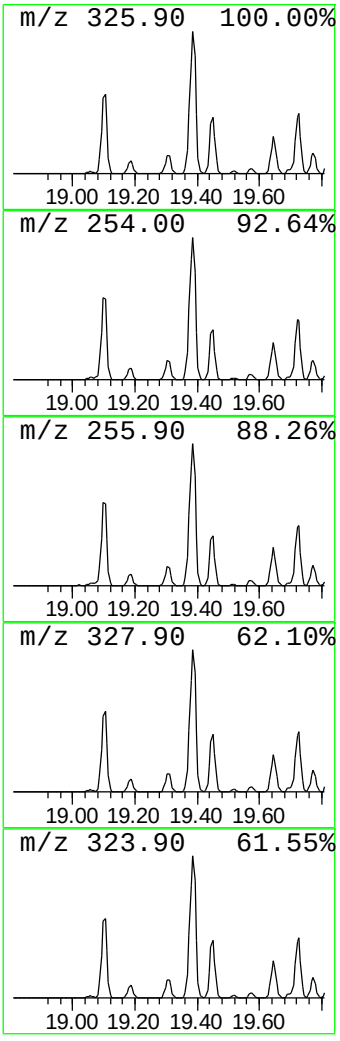
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	17.50 ng/ul	3062010	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99





Library Search Compound Report

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Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

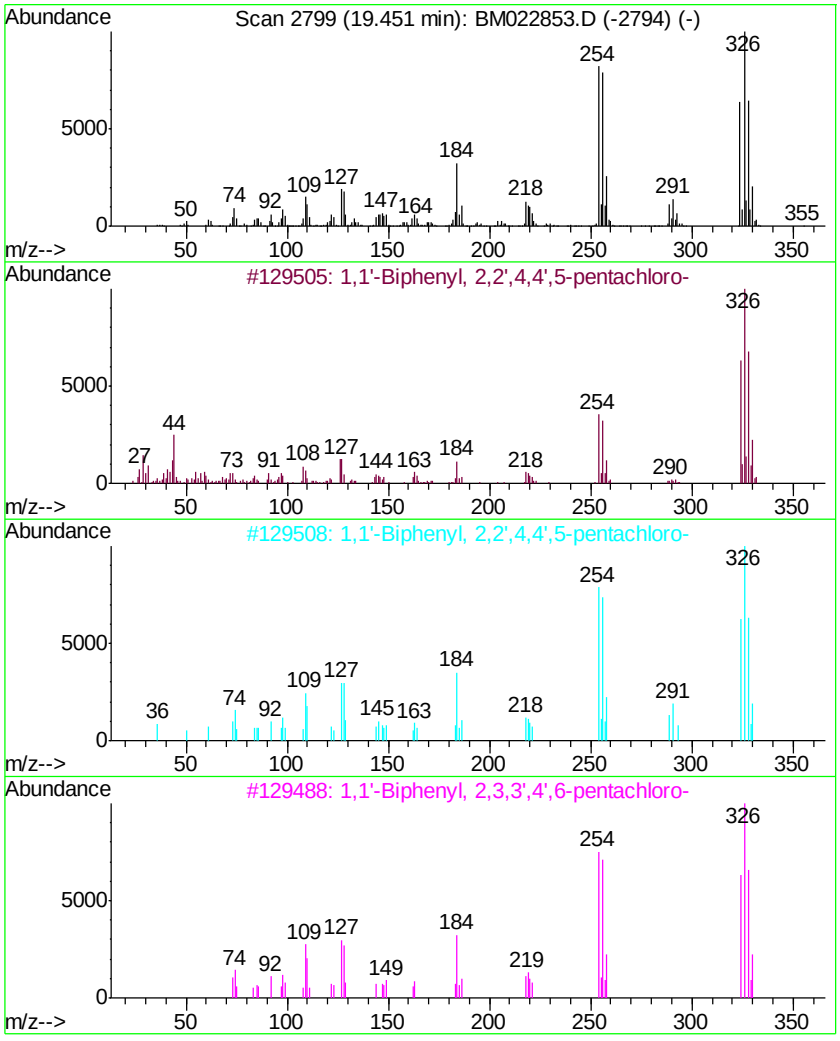
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

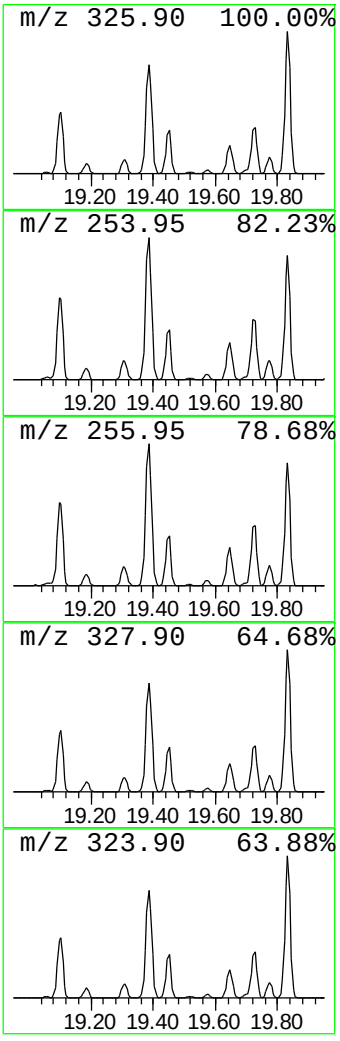
****

Peak Number 16 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	29.14 ng/ul	5099020	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98





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ALS Vial : 36 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

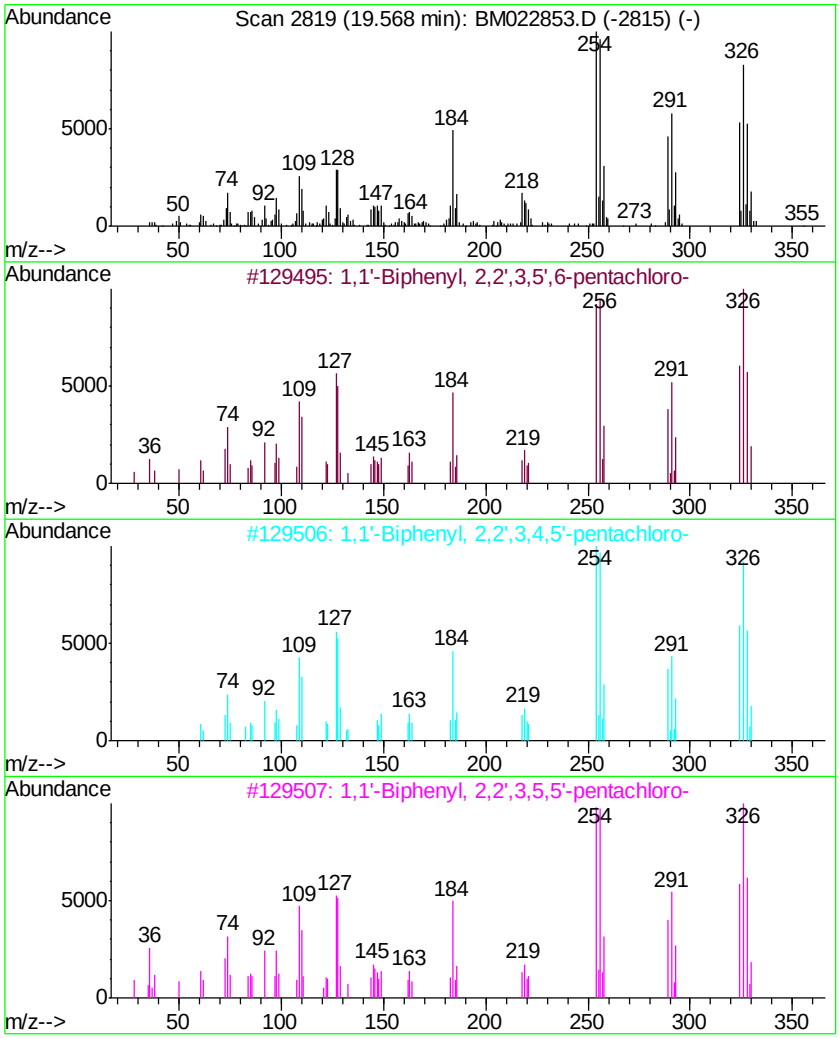
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

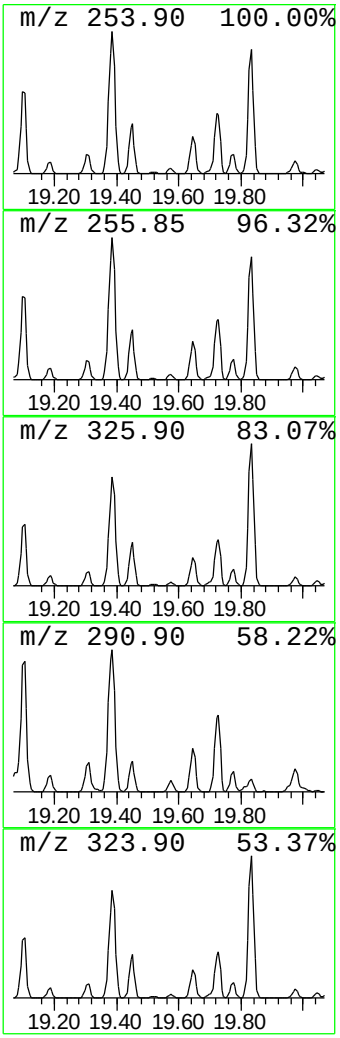
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	3.61 ng/ul	630947	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',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
5	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99





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ALS Vial : 36 Sample Multiplier: 1

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ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

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

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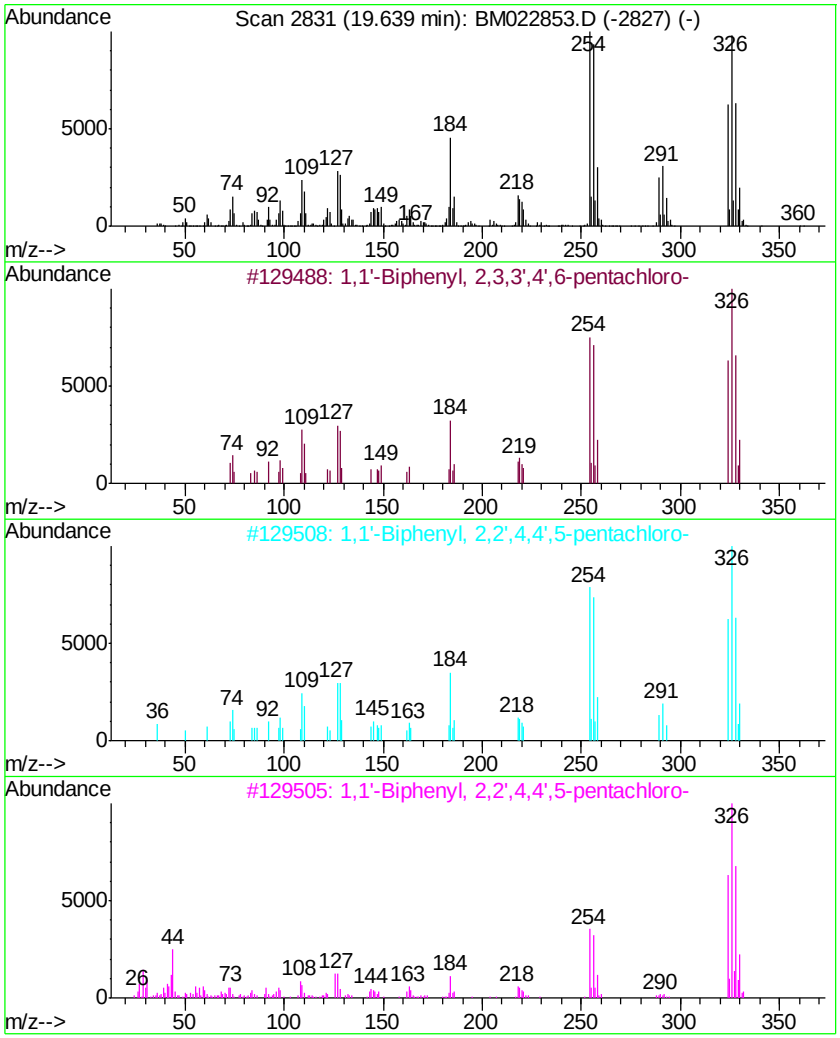
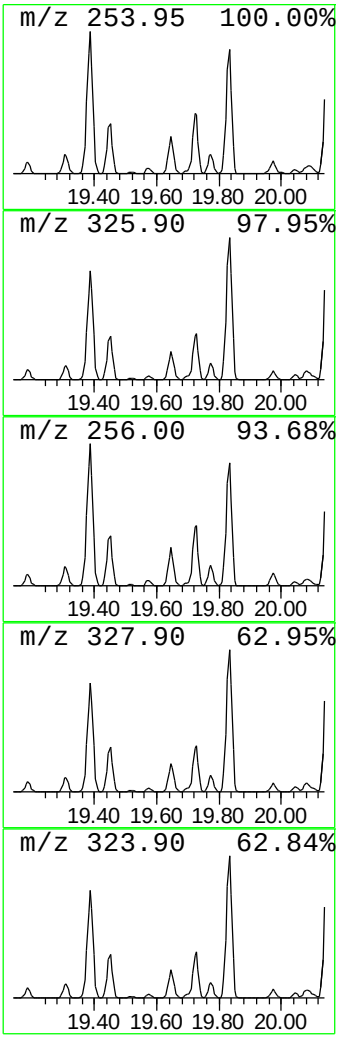
Peak Number 18 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	22.55 ng/ul	3945320	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, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	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',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





Library Search Compound Report

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Acq On : 01 Oct 2019 09:16
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Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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Quant Title : SVOA CALIBRATION

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

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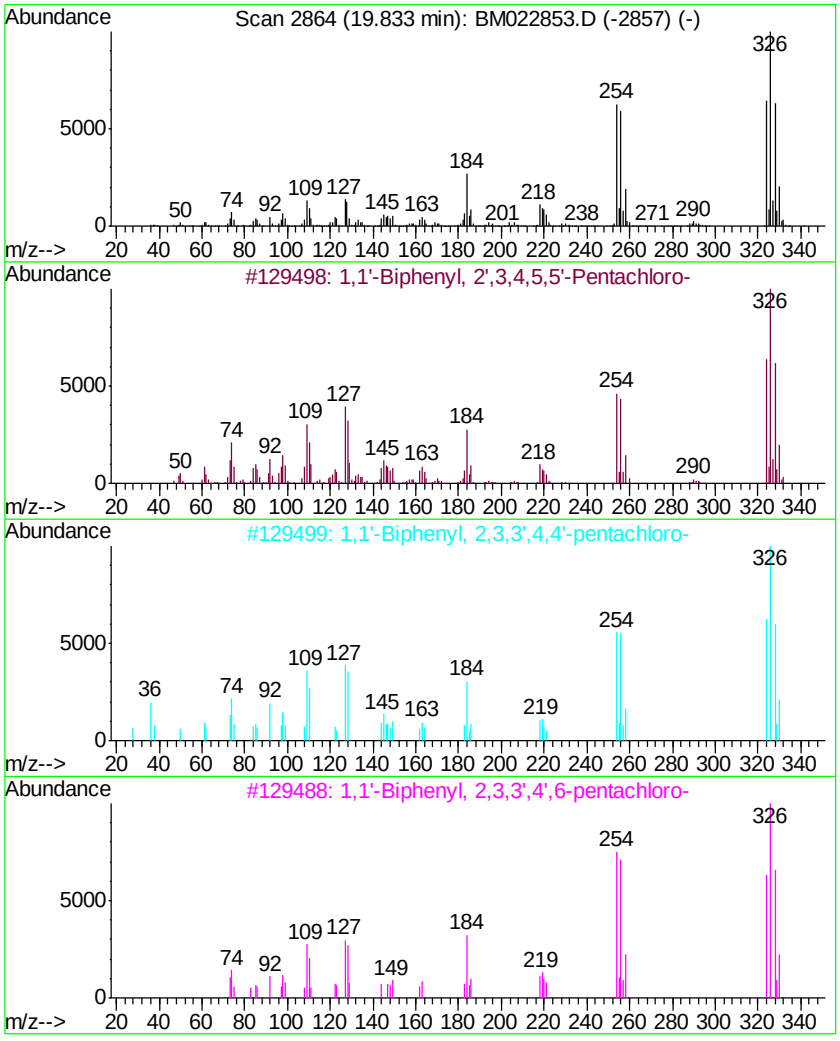
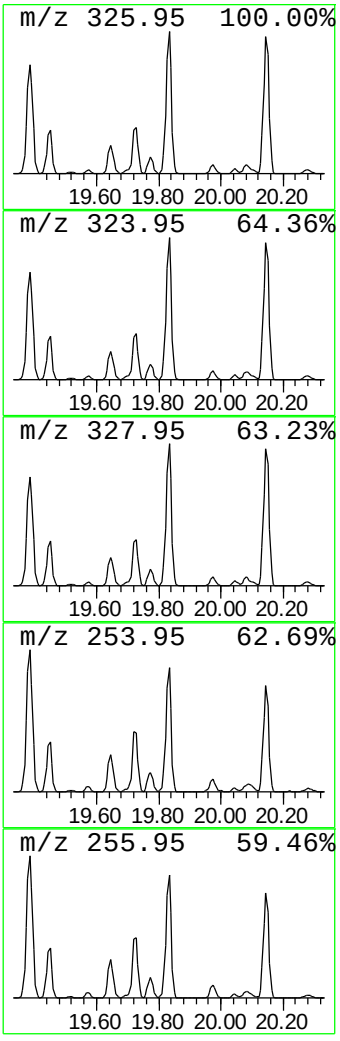
Peak Number 21 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	84.16 ng/ul	14724700	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96





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Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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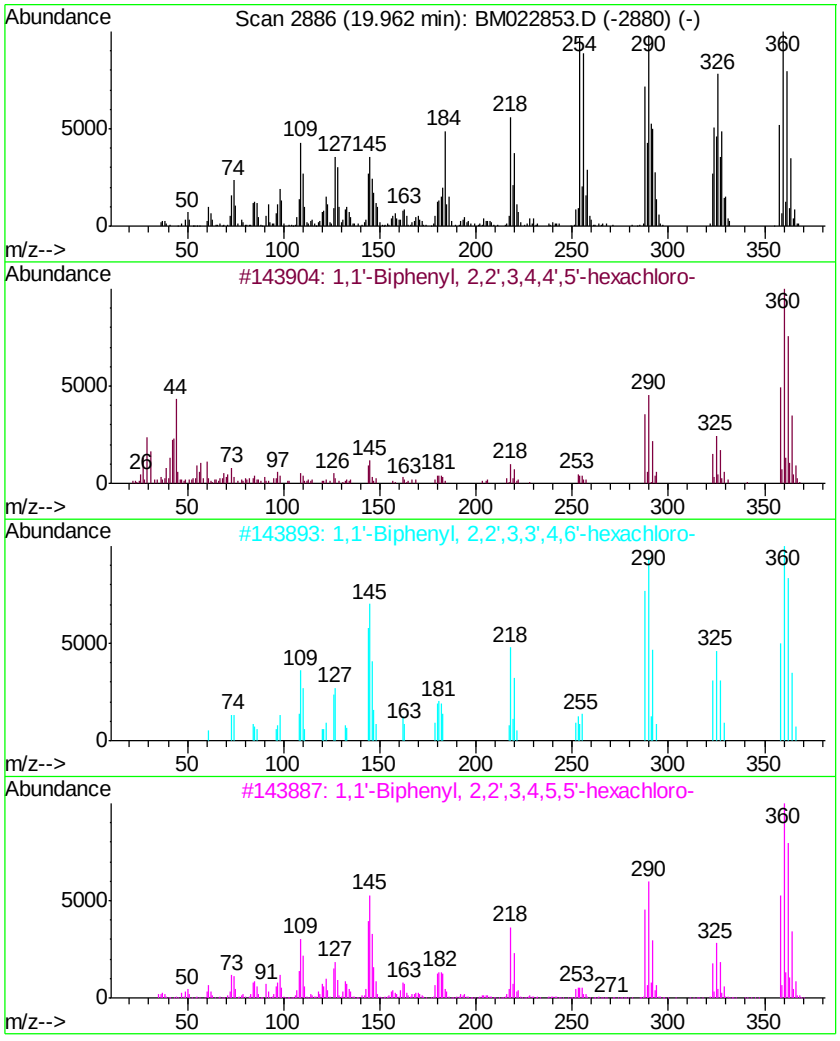
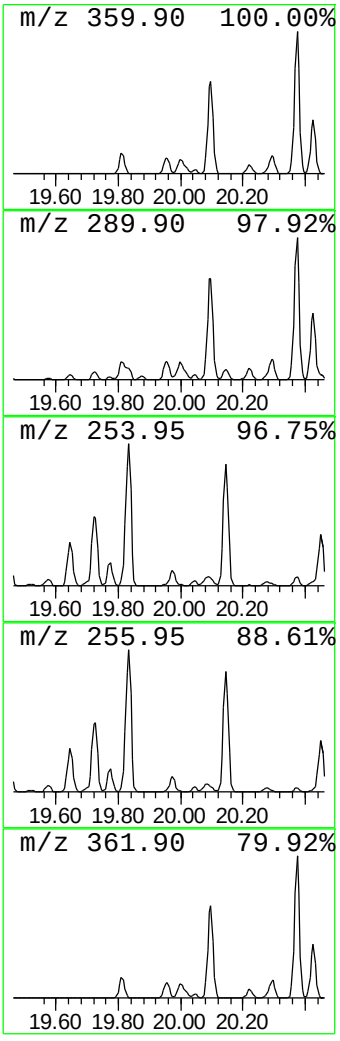
Peak Number 22 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	7.06 ng/ul	1235040	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',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99





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Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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

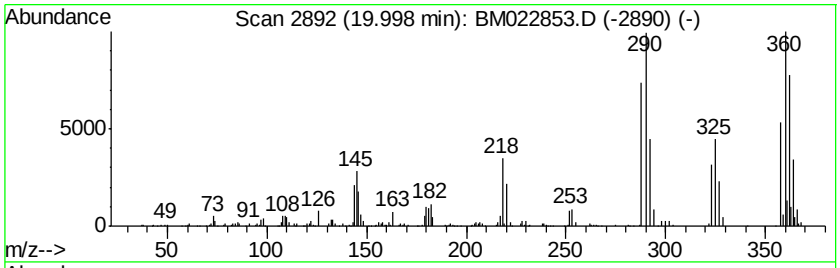
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

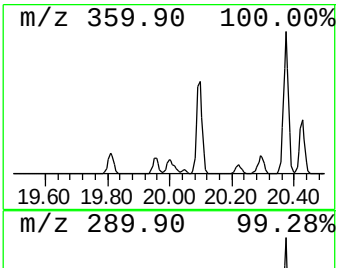
****

Peak Number 24 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	6.66 ng/ul	1164450	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	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',4,4'-he...	358	C12H4Cl6	038380-07-3	99





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Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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

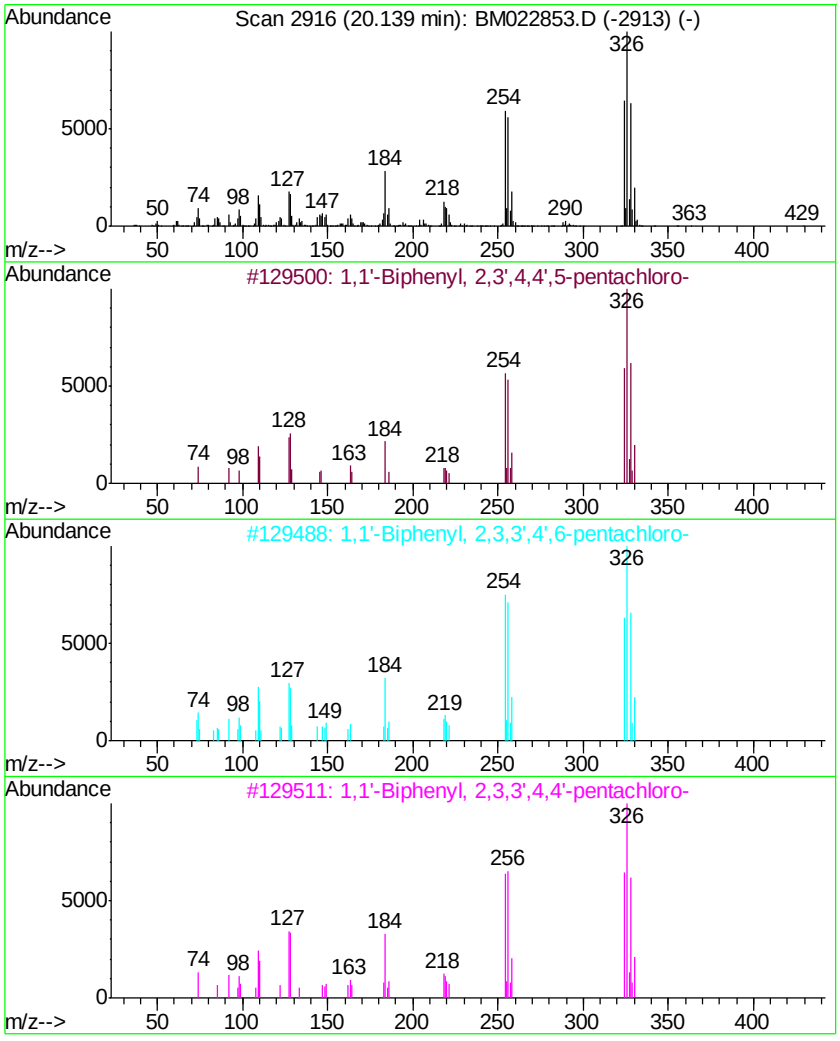
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

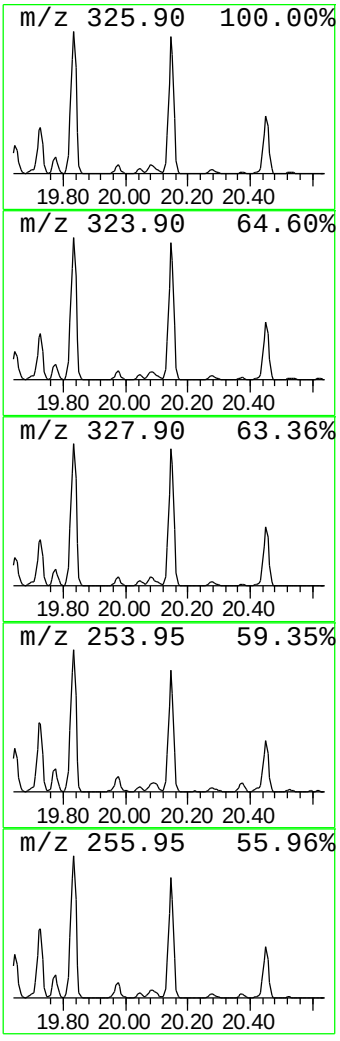
****

Peak Number 27 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	70.54 ng/ul	12342700	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
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Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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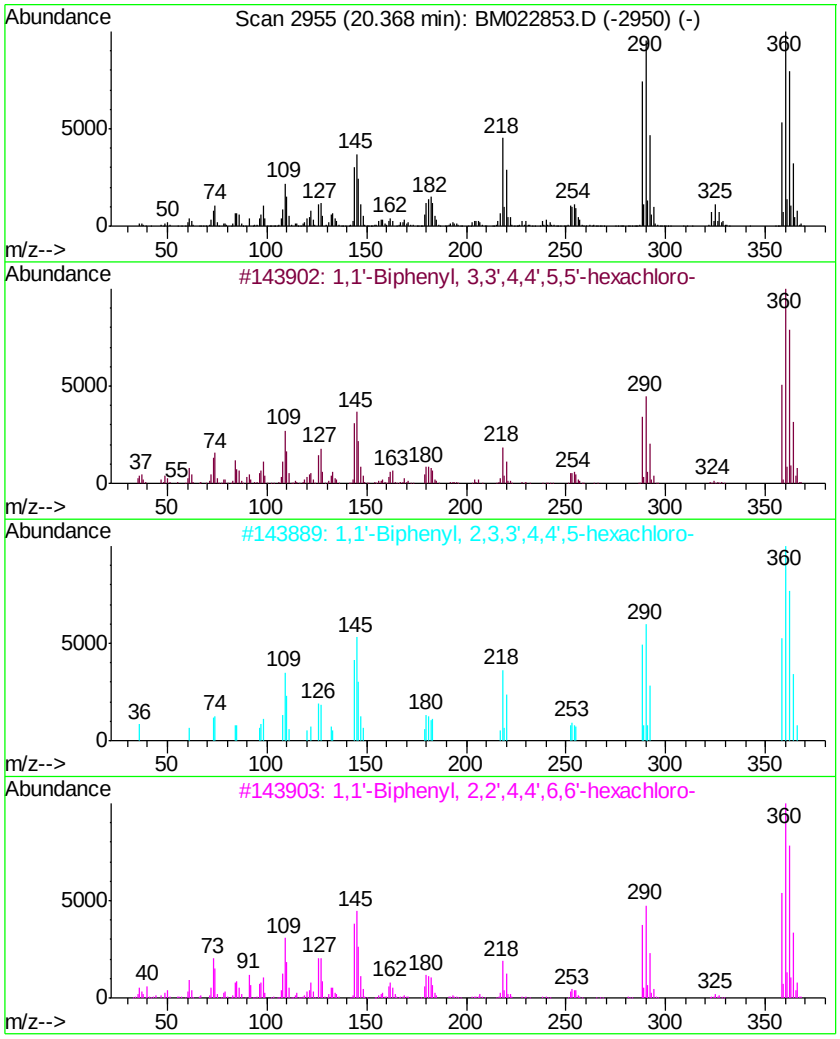
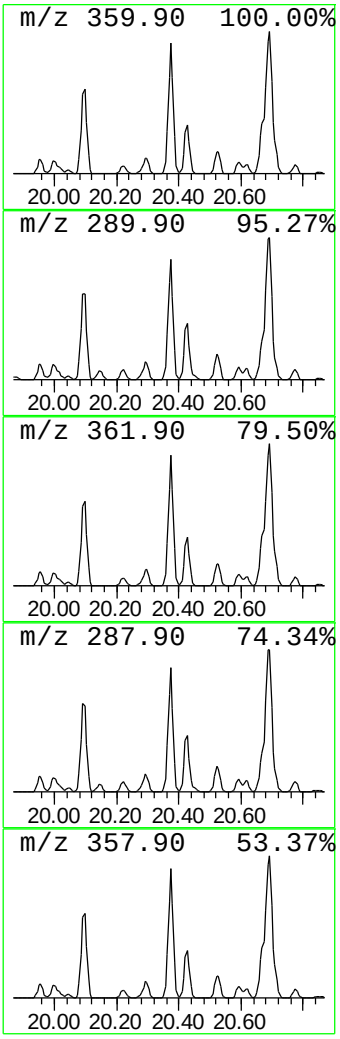
Peak Number 30 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	41.90 ng/ul	7331320	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',6,6'-he...	358	C12H4Cl6	038411-22-2	98
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	98





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Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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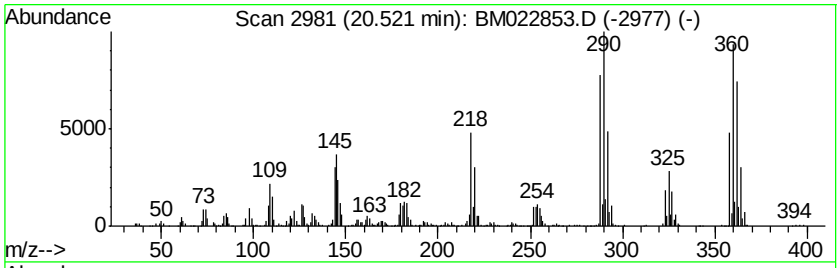
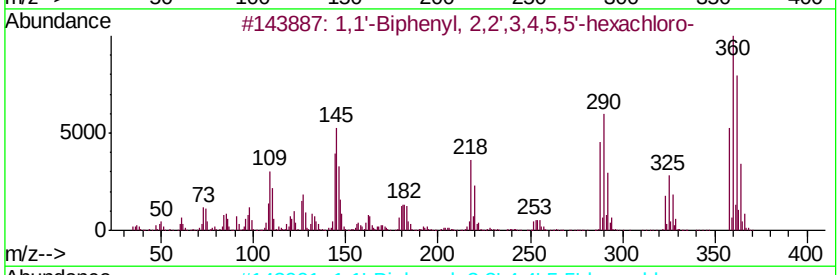
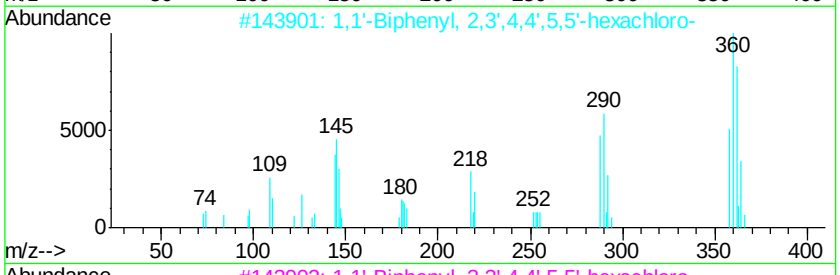
Peak Number 33 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 20

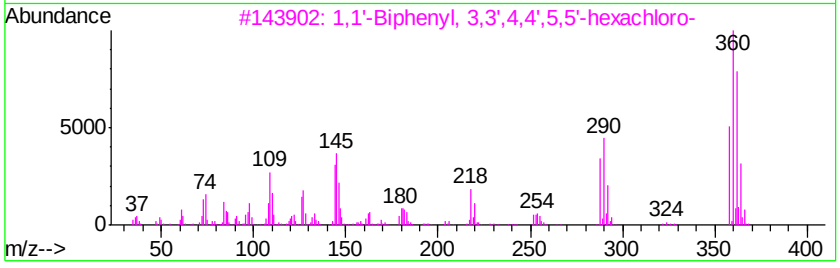
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	9.73 ng/ul	1702050	Chrysene-d12	21.36

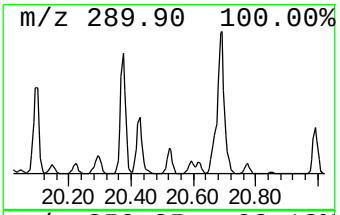
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99

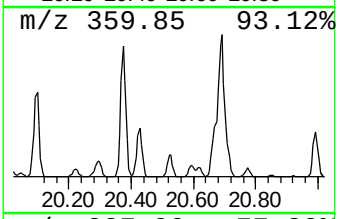


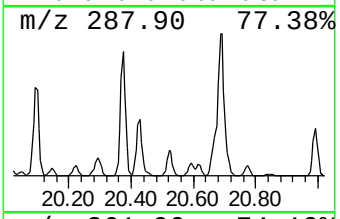


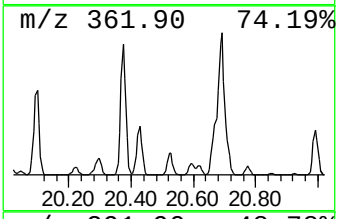


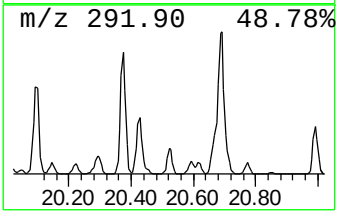












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Acq On : 01 Oct 2019 09:16
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Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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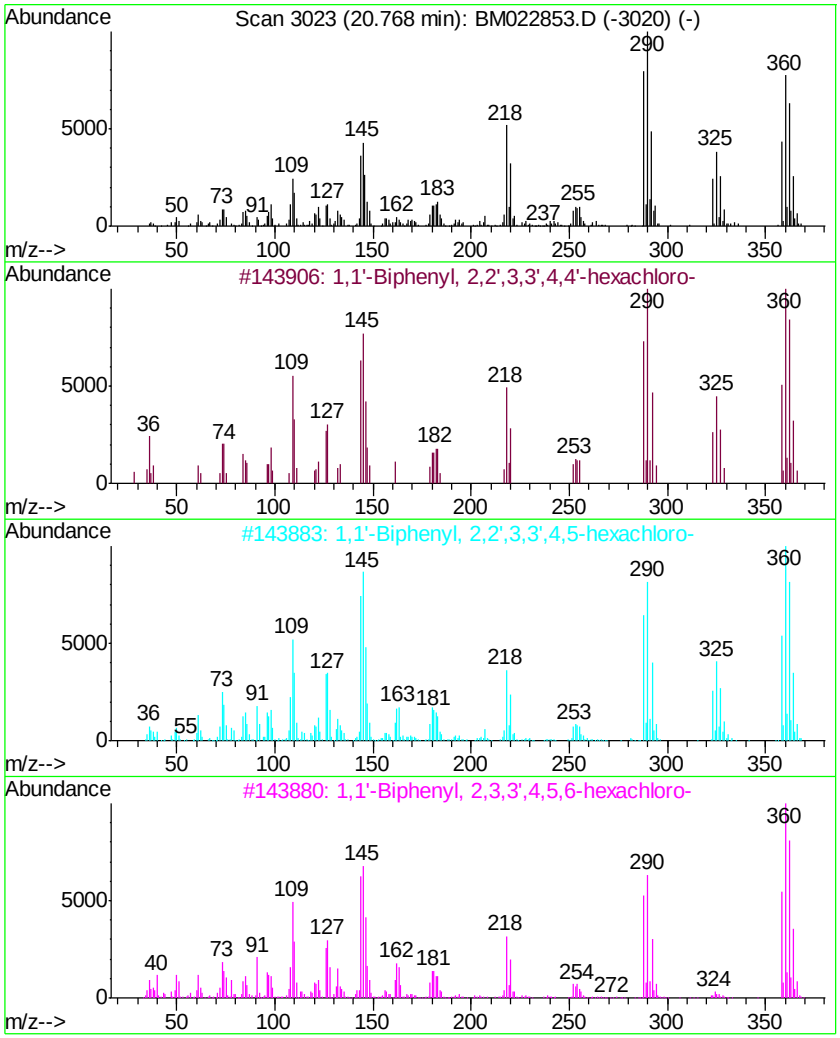
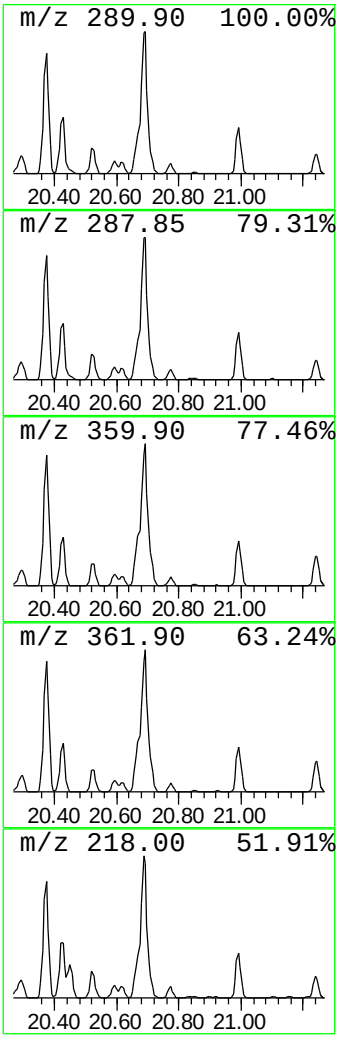
Peak Number 37 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.59 ng/ul	628750	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',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99





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Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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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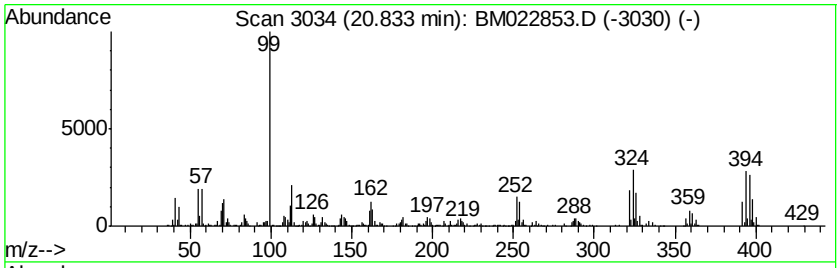
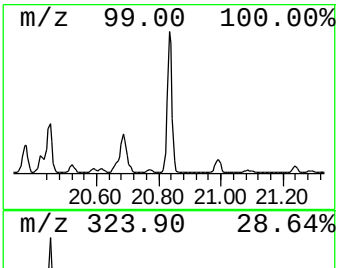
Peak Number 38 Phosphoric acid, tris(2-eth... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	4.50 ng/ul	787175	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	30
2	Bis(2-ethylhexyl)hydrogen phosphate	322	C16H35O4P	000298-07-7	30
3	2(3H)-Furanone, 5-ethyldihydro-5...	128	C7H12O2	002865-82-9	27
4	2-Ethyl-4-methyltetrahydro-1,3,4...	146	C6H14N2S	1000255-78-2	27
5	N-(4-Chlorophenyl)-N'-[2-(1-pipe...	310	C14H19ClN4O2	330593-05-0	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM093019\
Data File : BM022853.D
Acq On : 01 Oct 2019 09:16
Operator : JU
Sample : K5027-10
Misc : GCMS CONFIRMATION
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AX2

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	130950	1	7.80	1253960	20.0
(DEL) Alkane: Str...	3.19	6.0	ng/ul	379222	1	7.80	1253960	20.0
1,1'-Biphenyl, 2,...	17.78	4.0	ng/ul	701139	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	18.25	35.8	ng/ul	6298610	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	18.31	8.2	ng/ul	1440050	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	18.53	15.4	ng/ul	2718690	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	18.71	5.3	ng/ul	932436	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	19.02	7.0	ng/ul	1239160	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	19.07	17.1	ng/ul	3015210	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	19.10	60.5	ng/ul	10658900	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	19.19	7.7	ng/ul	1361410	4	17.18	3520430	20.0
1,1'-Biphenyl, 2,...	19.31	17.5	ng/ul	3062010	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	19.45	29.1	ng/ul	5099020	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	19.57	3.6	ng/ul	630947	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	19.64	22.6	ng/ul	3945320	5	21.36	3499340	20.0
1,1'-Biphenyl, 2'...	19.83	84.2	ng/ul	14724700	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	19.96	7.1	ng/ul	1235040	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	20.00	6.7	ng/ul	1164450	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	20.14	70.5	ng/ul	12342700	5	21.36	3499340	20.0
1,1'-Biphenyl, 3,...	20.37	41.9	ng/ul	7331320	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	20.52	9.7	ng/ul	1702050	5	21.36	3499340	20.0
1,1'-Biphenyl, 2,...	20.77	3.6	ng/ul	628750	5	21.36	3499340	20.0
Phosphoric acid, ...	20.83	4.5	ng/ul	787175	5	21.36	3499340	20.0