LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

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-BM082219MA.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	11	rVB	23072	22889	1.42%	0.140%
2	3.304	51	54	57	rBV2	1831	1783	0.11%	0.011%
3	4.193	200	205	213	rBV	49480	58435	3.63%	0.357%
4	6.610	610	616	625	rBV	146022	202071	12.55%	1.234%
5	7.534	768	773	789	rBV	85733	160232	9.95%	0.979%
6	9.016	1021	1025	1030	rBB	8105	11049	0.69%	0.067%
7	10.310	1239	1245	1270	rBV	100356	215609	13.39%	1.317%
8	10.786	1322	1326	1328	rBB2	2140	2401	0.15%	0.015%
9	11.498	1443	1447	1452	rBB	3119	4301	0.27%	0.026%
10	13.533	1790	1793	1796	rBB	1394	1829	0.11%	0.011%
11	14.198	1899	1906	1919	rBV2	185882	313595	19.48%	1.916%
12	16.539	2300	2304	2308	rVB	3885	5808	0.36%	0.035%
13	16.639	2317	2321	2326	rVB2	1686	2593	0.16%	0.016%
14	16.962	2370	2376	2391	rBV2	237940	379958	23.60%	2.321%
15	17.133	2401	2405	2409	rBV2	12844	16185	1.01%	0.099%
16	17.162	2409	2410	2413	rVB	1799	1636	0.10%	0.010%
17	17.356	2441	2443	2447	rBV	1332	1692	0.11%	0.010%
18	17.421	2450	2454	2455	rVV3	2339	3311	0.21%	0.020%
19	17.433	2455	2456	2459	rVB2	2239	2120	0.13%	0.013%
20	17.562	2471	2478	2487	rBV2	61862	95710	5.94%	0.585%
21	17.662	2490	2495	2498	rBV2	11547	14068	0.87%	0.086%
22	17.745	2506	2509	2513	rBV3	1818	2539	0.16%	0.016%
23	17.809	2515	2520	2525	rBV3	18416	26960	1.67%	0.165%
24	17.851	2525	2527	2531	rVB3	9116	10602	0.66%	0.065%
25	17.951	2541	2544	2545	rBV2	2187	2344	0.15%	0.014%
26	17.962	2545	2546	2549	rVV3	4577	3639	0.23%	0.022%
27	18.021	2551	2556	2562	rVV	543246	641421	39.83%	3.918%
28	18.080	2562	2566	2570	rVV	133381	159907	9.93%	0.977%
29	18.121	2570	2573	2578	rVB	32957	42150	2.62%	0.257%
30	18.256	2592	2596	2598	rVB4	1303	1655	0.10%	0.010%
31	18.309	2600	2605	2610	rVV2	220101	288412	17.91%	1.762%
32	18.356	2610	2613	2617	rVV3	23895	31149	1.93%	0.190%
33	18.409	2617	2622	2623	rVV4	1892	2246	0.14%	0.014%
34	18.451	2623	2629	2632	rVV3	29346	41599	2.58%	0.254%

LSC Area Percent Report

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Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

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-BM082219MA.M
Title : SVOA CALIBRATION

35	18.492	2632	2636	2641	rVB	86539	106195	6.60%	0.649%
36	18.551	2642	2646	2648	rVV3	3634	4529	0.28%	0.028%
37	18.586	2648	2652	2658	rVB4	15417	23743	1.47%	0.145%
38	18.739	2677	2678	2681	rVB3	4127	3048	0.19%	0.019%
39	18.803	2685	2689	2694	rVV	101298	136935	8.50%	0.837%
40	18.874	2694	2701	2710	rVV2	756768	1379365	85.66%	8.426%
41	18.962	2712	2716	2720	rVB	100112	116048	7.21%	0.709%
42	19.039	2726	2729	2732	rBV2	5471	7475	0.46%	0.046%
43	19.086	2732	2737	2739	rBV	149372	185394	11.51%	1.133%
44	19.162	2745	2750	2756	rVB	1404122	1610197	100.00%	9.837%
45	19.227	2756	2761	2766	rVB	406815	468632	29.10%	2.863%
46	19.298	2770	2773	2776	rVB3	8335	8819	0.55%	0.054%
47	19.350	2779	2782	2786	rBV2	39184	46728	2.90%	0.285%
48	19.427	2790	2795	2800	rVB	293760	347059	21.55%	2.120%
49	19.503	2804	2808	2813	rVB	507888	591792	36.75%	3.615%
50	19.556	2813	2817	2820	rBV	162373	185850	11.54%	1.135%
51	19.615	2820	2827	2832	rVB	1338191	1510230	93.79%	9.226%
52	19.668	2833	2836	2840	rVB4	7609	12038	0.75%	0.074%
53	19.733	2843	2847	2849	rBV	74304	91389	5.68%	0.558%
54	19.762	2849	2852	2860	rVB2	110081	199904	12.41%	1.221%
55	19.827	2860	2863	2866	rBV3	35862	43681	2.71%	0.267%
56	19.874	2866	2871	2876	rVB	498376	602983	37.45%	3.684%
57	19.933	2876	2881	2887	rVB	1093048	1175422	73.00%	7.181%
58	20.003	2889	2893	2899	rVB4	44597	49546	3.08%	0.303%
59	20.074	2899	2905	2911	rBV2	100631	140167	8.70%	0.856%
60	20.156	2914	2919	2923	rVB	585628	642951	39.93%	3.928%
61	20.209	2923	2928	2931	rBV	287495	346097	21.49%	2.114%
62	20.245	2931	2934	2939	rVB	385764	439011	27.26%	2.682%
63	20.309	2941	2945	2949	rVB2	119720	135463	8.41%	0.828%
64	20.380	2953	2957	2959	rBV2	50758	63980	3.97%	0.391%
65	20.403	2959	2961	2965	rVB4	55351	54405	3.38%	0.332%
66	20.474	2965	2973	2982	rBV	761604	1154874	71.72%	7.055%
67	20.556	2984	2987	2991	rBV2	42542	48035	2.98%	0.293%
68	20.615	2994	2997	3000	rVB3	28789	29384	1.82%	0.180%
69	20.680	3005	3008	3012	rBV6	19825	19125	1.19%	0.117%
70	20.786	3021	3026	3030	rBV	211706	251089	15.59%	1.534%
71	20.886	3040	3043	3048	rVB4	36719	43201	2.68%	0.264%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AQ7

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-BM082219MA.M
Title : SVOA CALIBRATION

72	20.944	3050	3053	3056	rVB5	20688	21690	1.35%	0.133%
73	21.003	3060	3063	3065	rBV4	16513	17138	1.06%	0.105%
74	21.039	3065	3069	3073	rBV2	94910	108006	6.71%	0.660%
75	21.092	3075	3078	3083	rVB7	18442	25906	1.61%	0.158%
76	21.174	3087	3092	3100	rBV	434204	570226	35.41%	3.483%
77	21.409	3128	3132	3136	rVB	89879	107380	6.67%	0.656%
78	21.486	3142	3145	3150	rVB3	58604	68689	4.27%	0.420%
79	23.362	3458	3464	3475	rVB2	206360	403784	25.08%	2.467%

Sum of corrected areas: 16369501

LSC Report - Integrated Chromatogram

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Data File : BM022396.D
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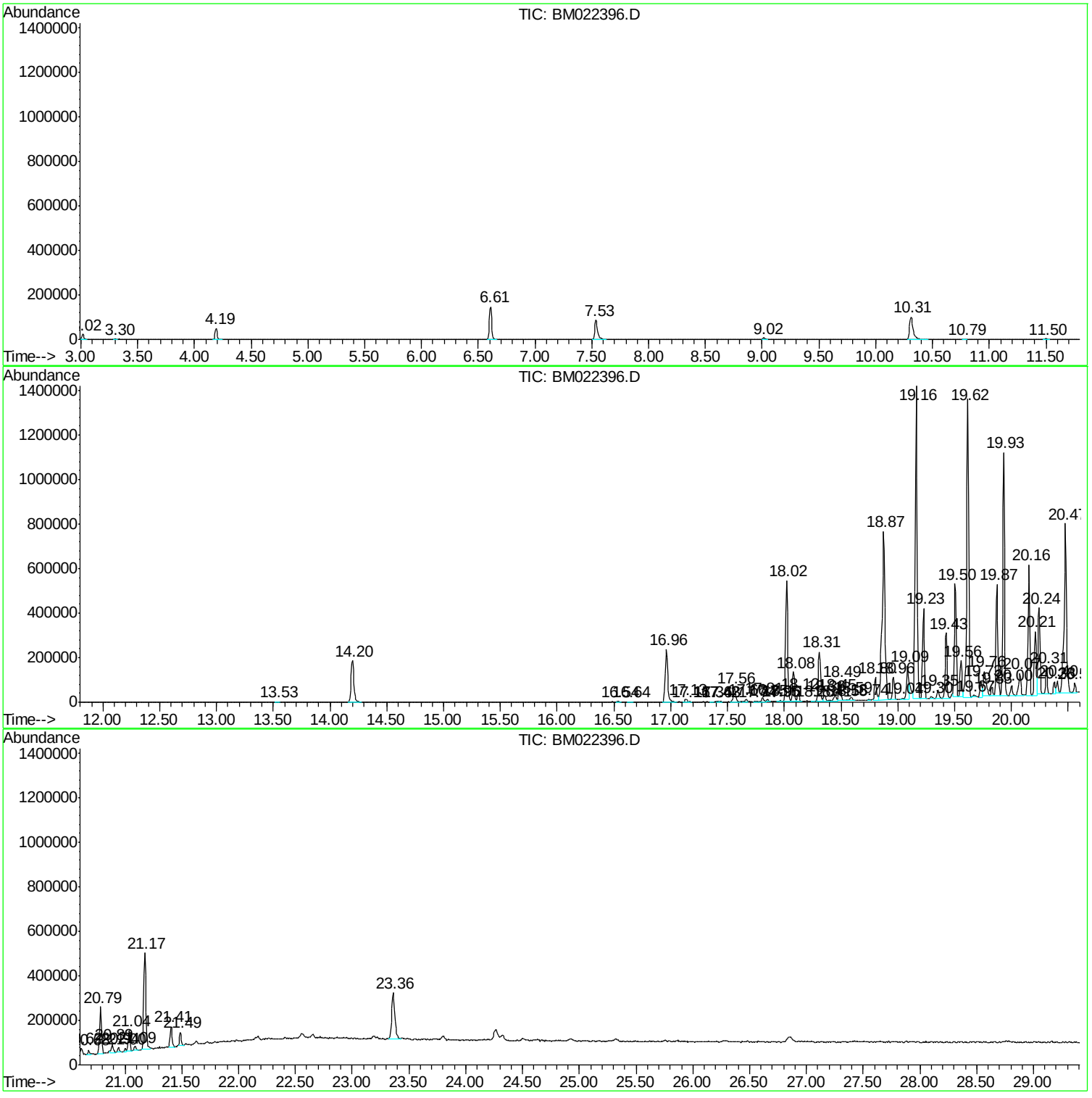
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

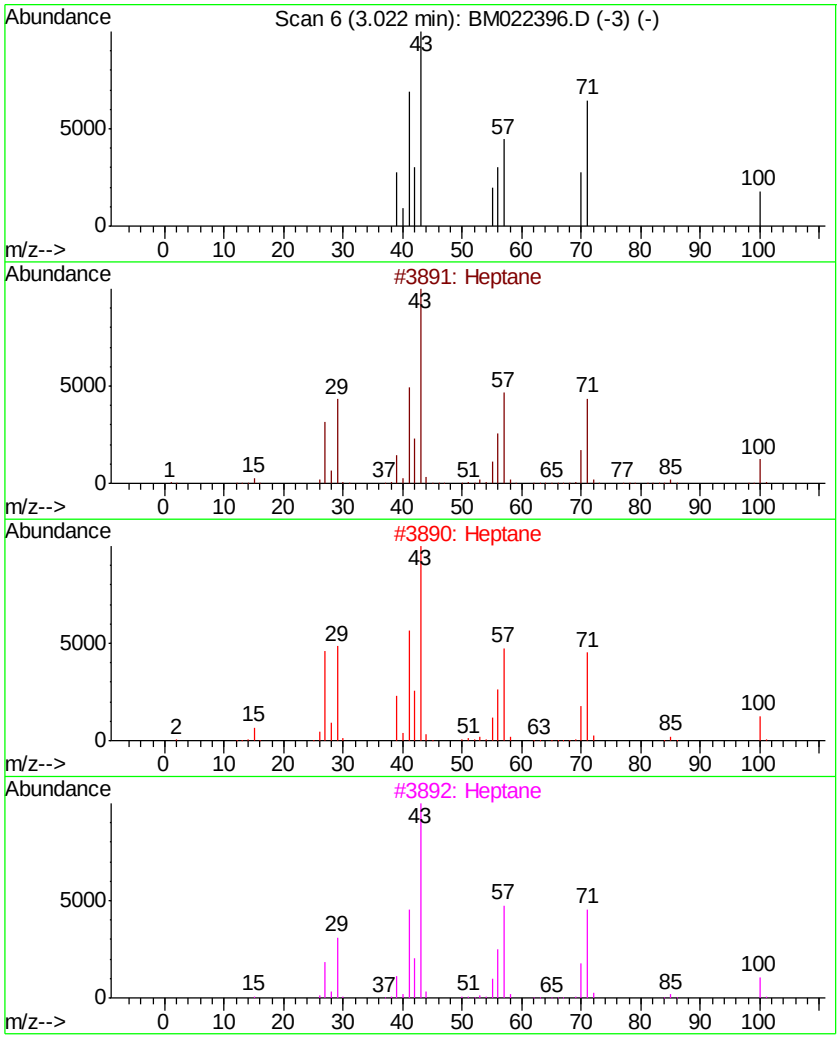
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

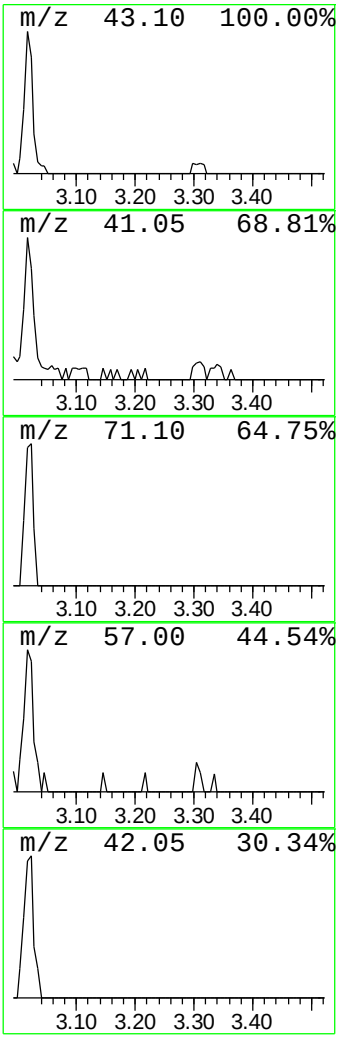
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.86 ng/ul	22889	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	86
2	Heptane	100	C7H16	000142-82-5	86
3	Heptane	100	C7H16	000142-82-5	86
4	Heptane	100	C7H16	000142-82-5	64
5	Trans-3-methylpent-3-ene-5-ol	100	C6H12O	030801-95-7	16





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

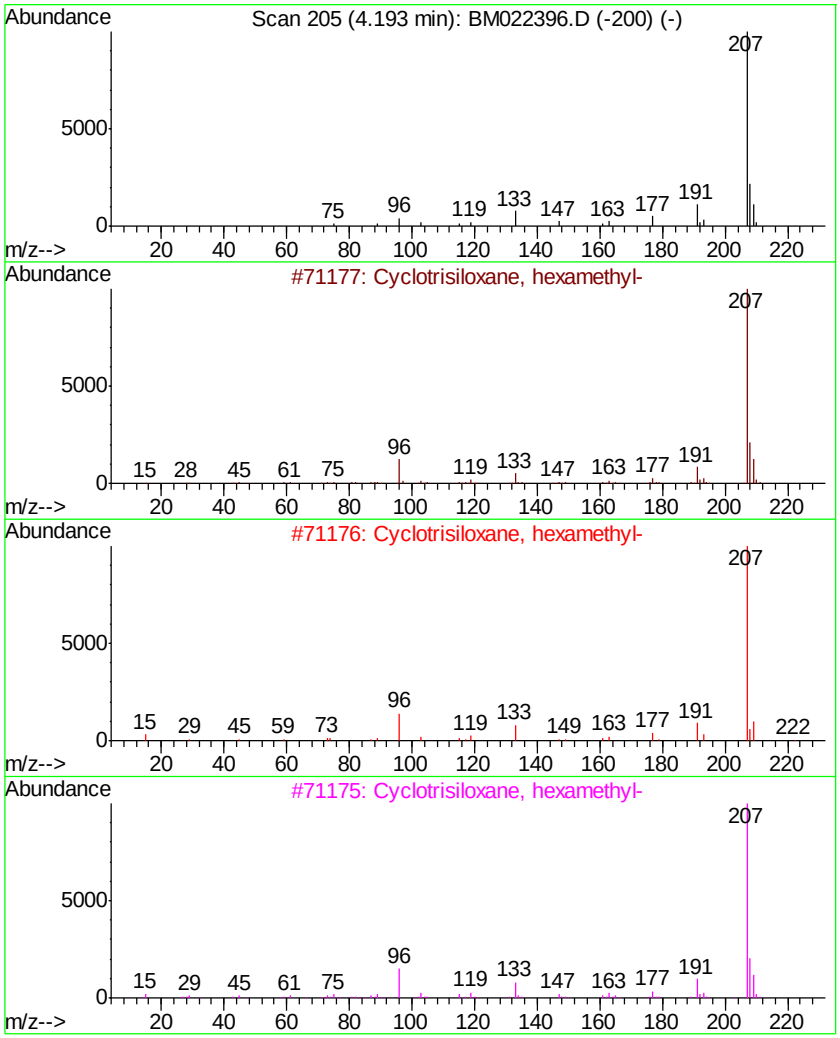
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

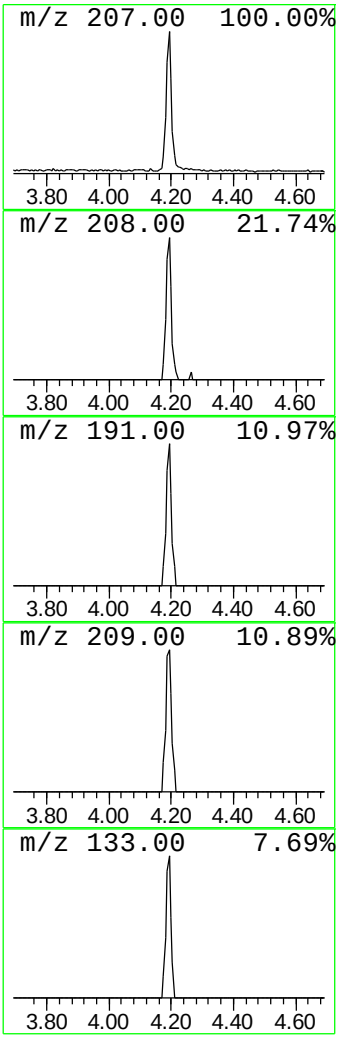
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	7.29 ng/ul	58435	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	83
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	43
4	Anthracene, 9-ethyl-9,10-dihydro...	264	C20H24	1000154-57-7	40
5	Anthracene, 9,10-diethyl-9,10-di...	236	C18H20	046868-29-5	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

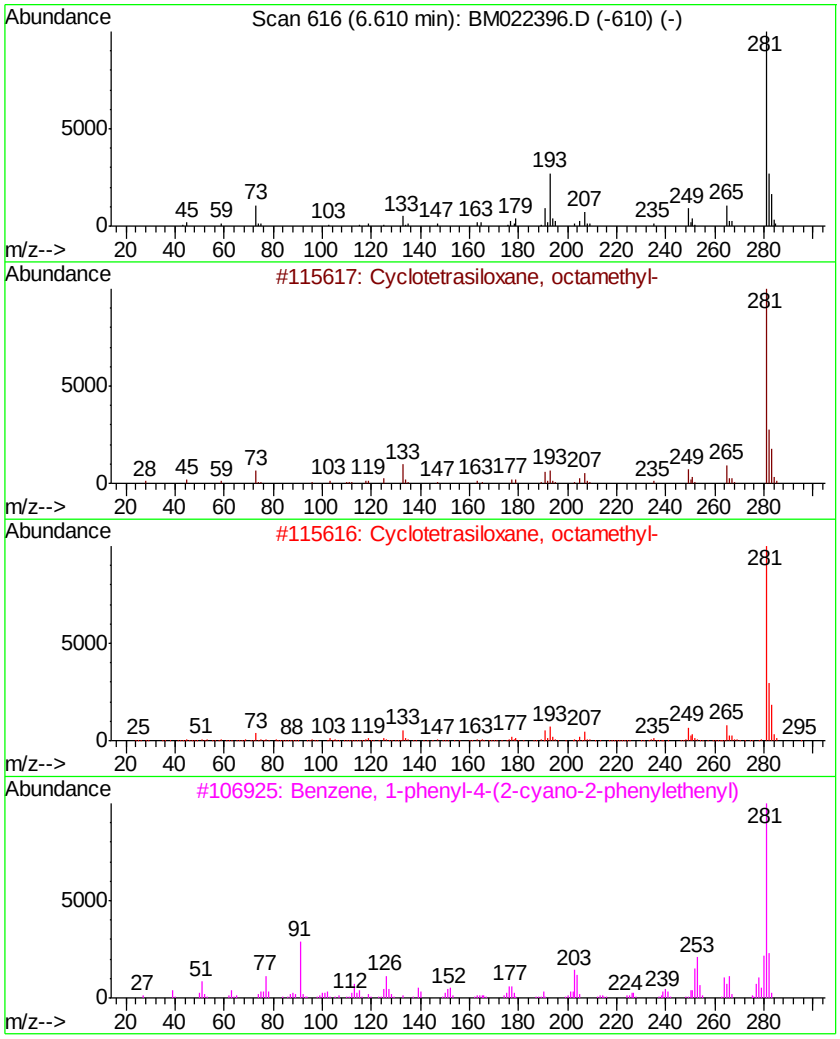
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

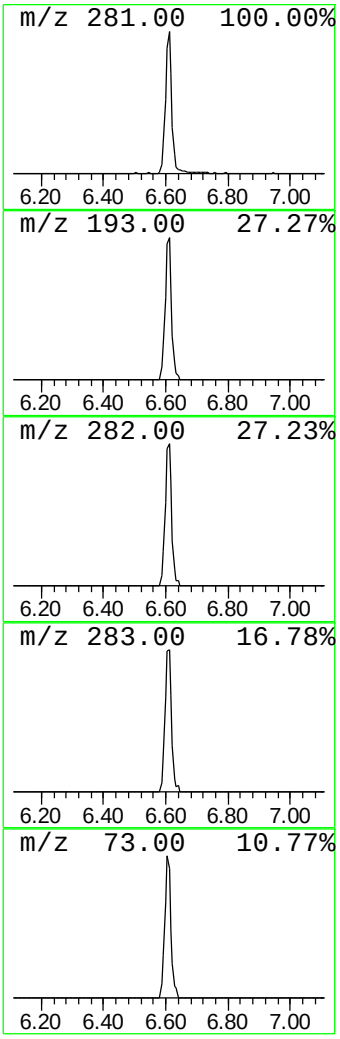
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclotetrasiloxane, octamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	25.22 ng/ul	202071	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	87
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	87
3	Benzene, 1-phenyl-4-(2-cyano-2-p...	281	C21H15N	027869-56-3	50
4	5-(p-Aminophenyl)-4-(O-tolyl)-2-...	281	C16H15N3S	1000242-18-7	50
5	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	50





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

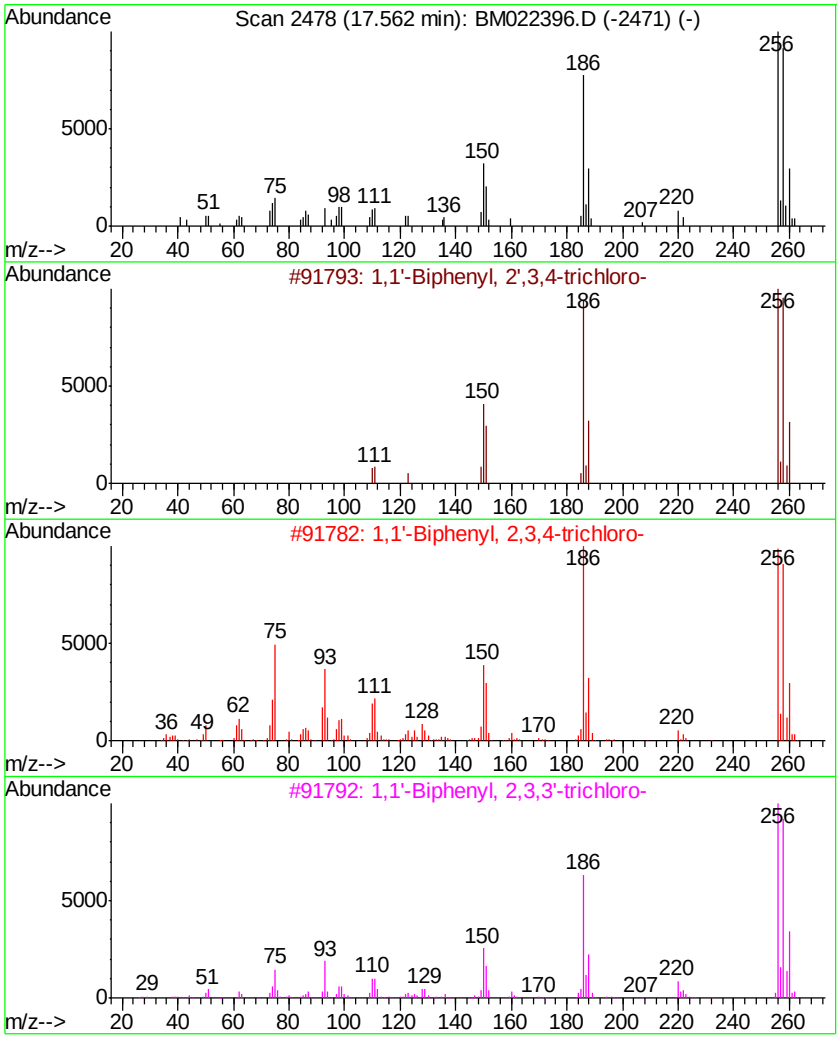
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

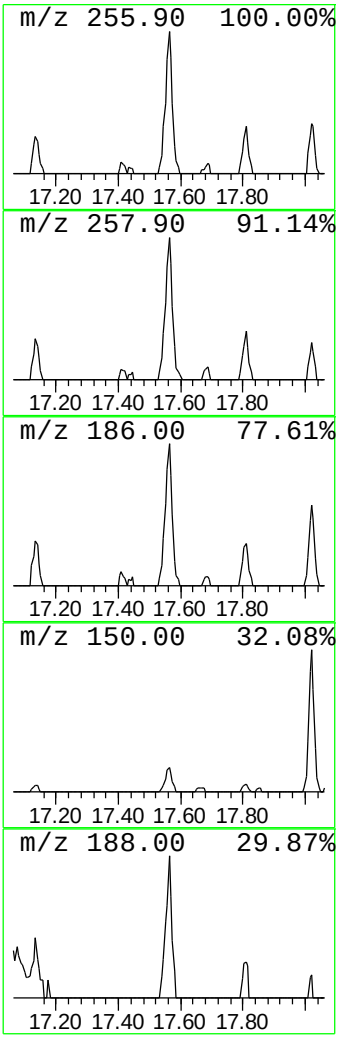
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	5.04 ng/ul	95710	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
2	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	97
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

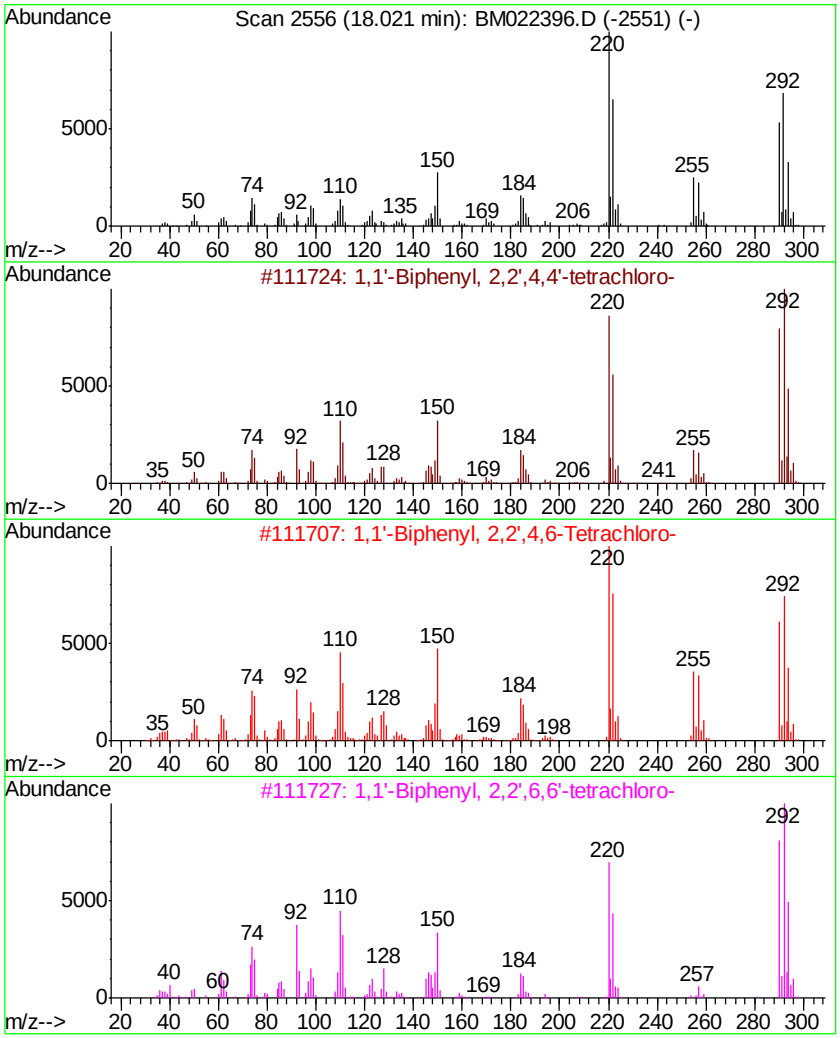
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

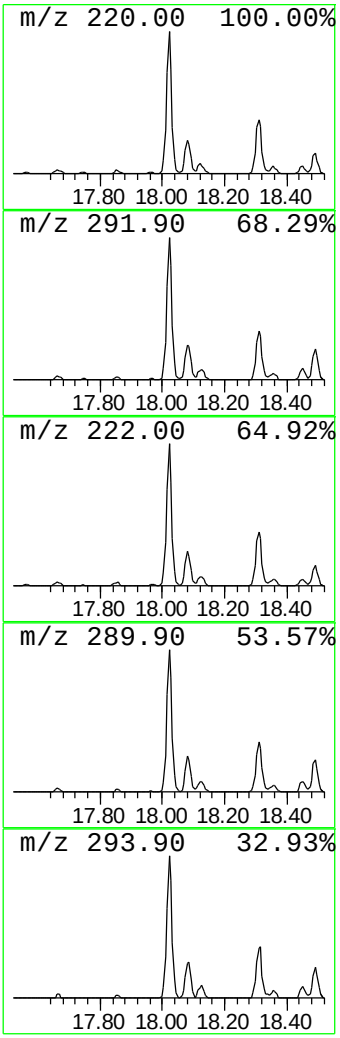
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	33.76 ng/ul	641421	Phenanthrene-d10	16.96

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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	98
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





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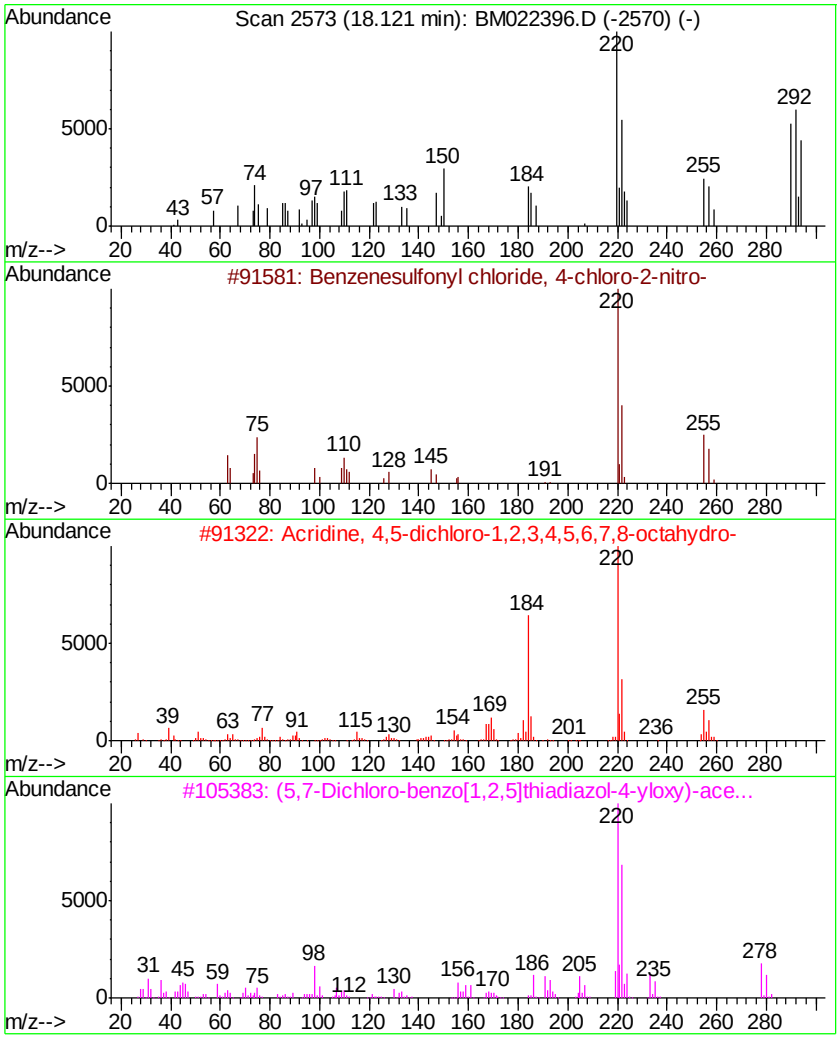
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

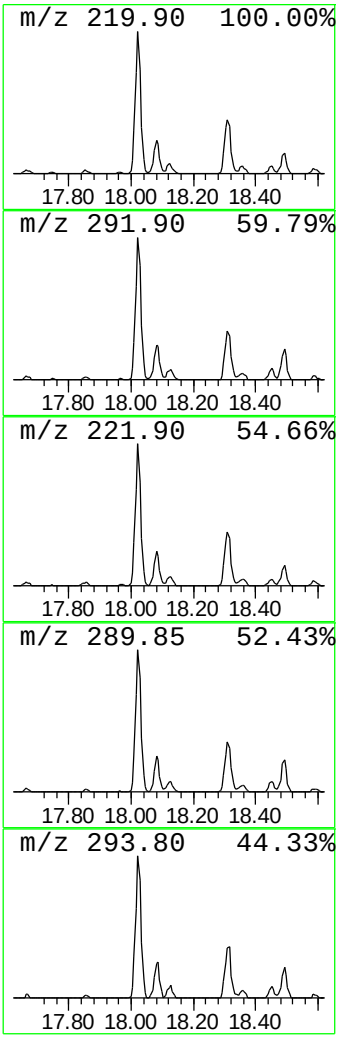
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzenesulfonyl chloride, 4... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.22 ng/ul	42150	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonyl chloride, 4-chlo...	255	C6H3Cl2NO4S	004533-96-4	50
2	Acridine, 4,5-dichloro-1,2,3,4,5...	255	C13H15Cl2N	022766-55-8	38
3	(5,7-Dichloro-benzo[1,2,5]thiadi...	278	C8H4Cl2N2O3S	016407-77-5	27
4	5,7-Dichloro-benzo[1,2,5]thiadia...	220	C6H2Cl2N2OS	016407-74-2	27
5	Phosphinous chloride, diphenyl-	220	C12H10ClP	001079-66-9	22





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Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

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Quant Title : SVOA CALIBRATION

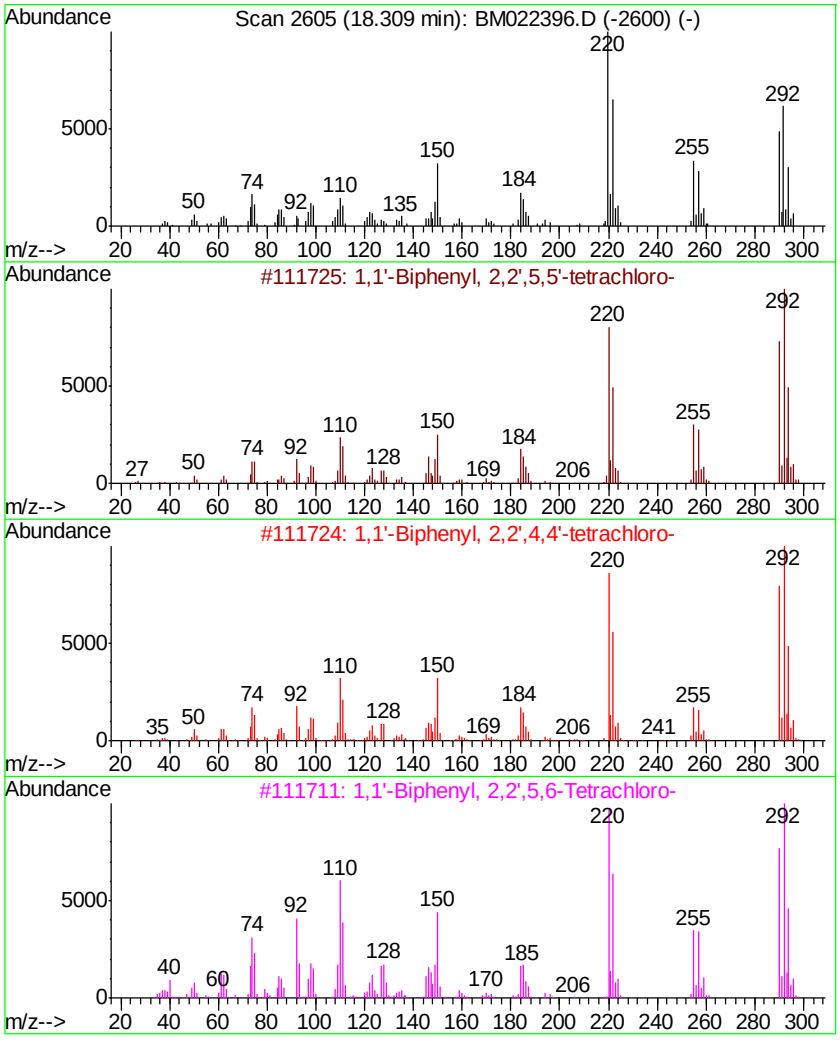
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

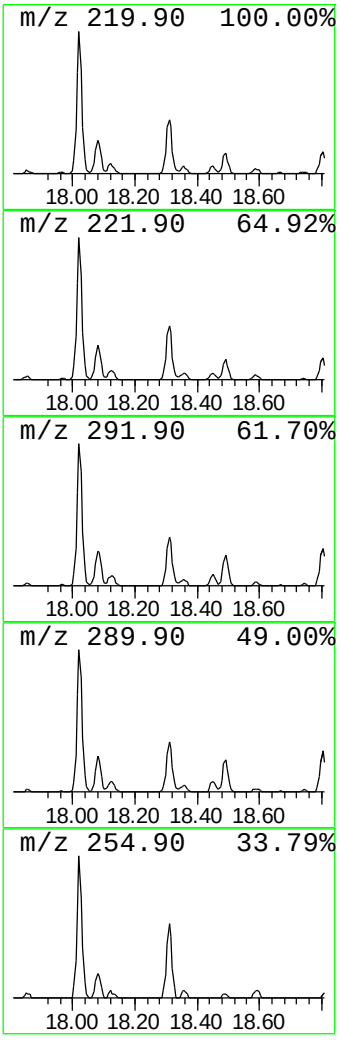
****

Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	15.18 ng/ul	288412	Phenanthrene-d10	16.96

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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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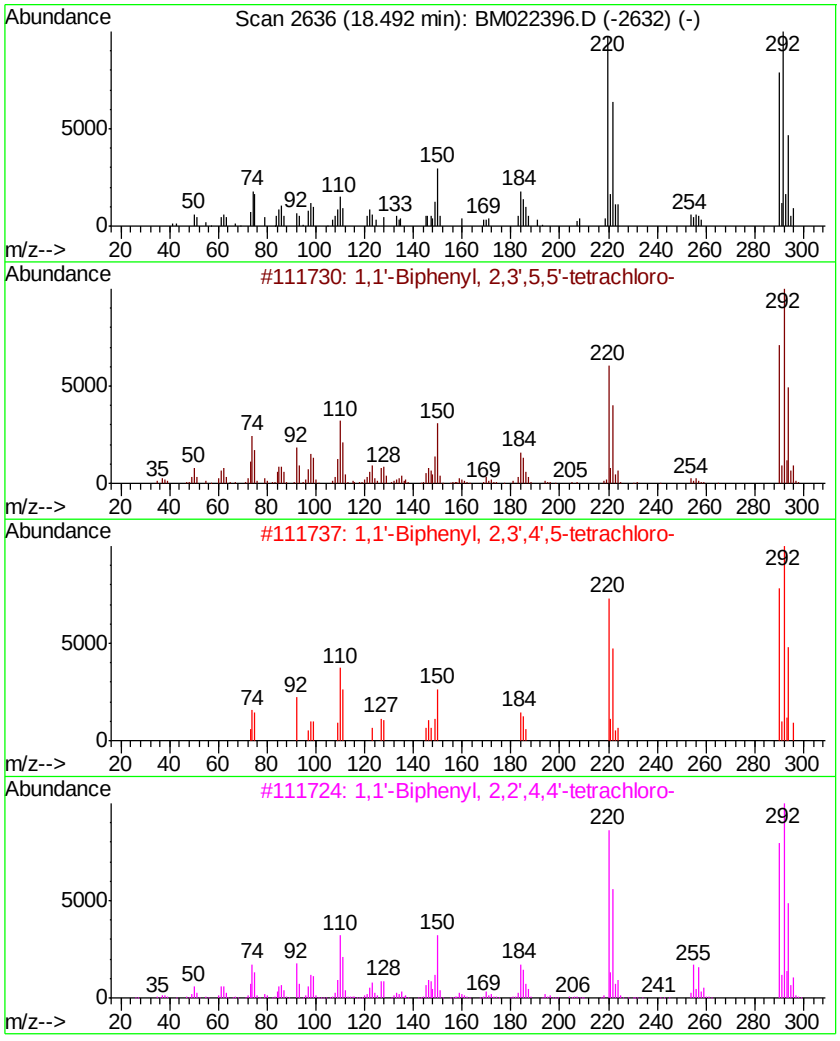
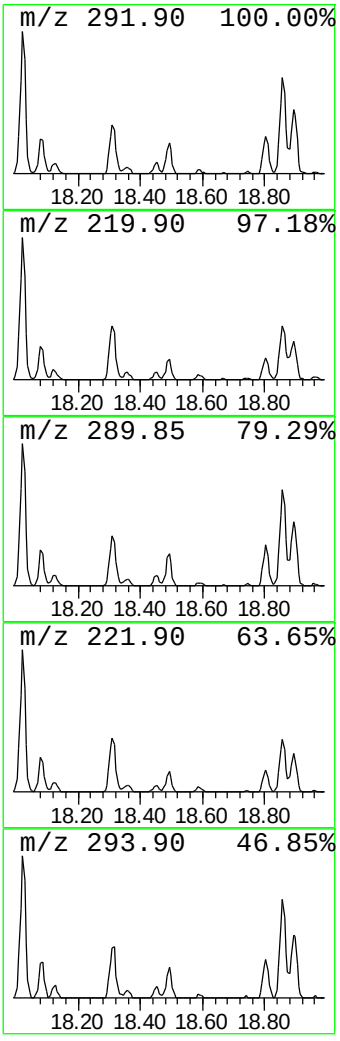
Peak Number 10 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.59 ng/ul	106195	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	96
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
4	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	96
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	96





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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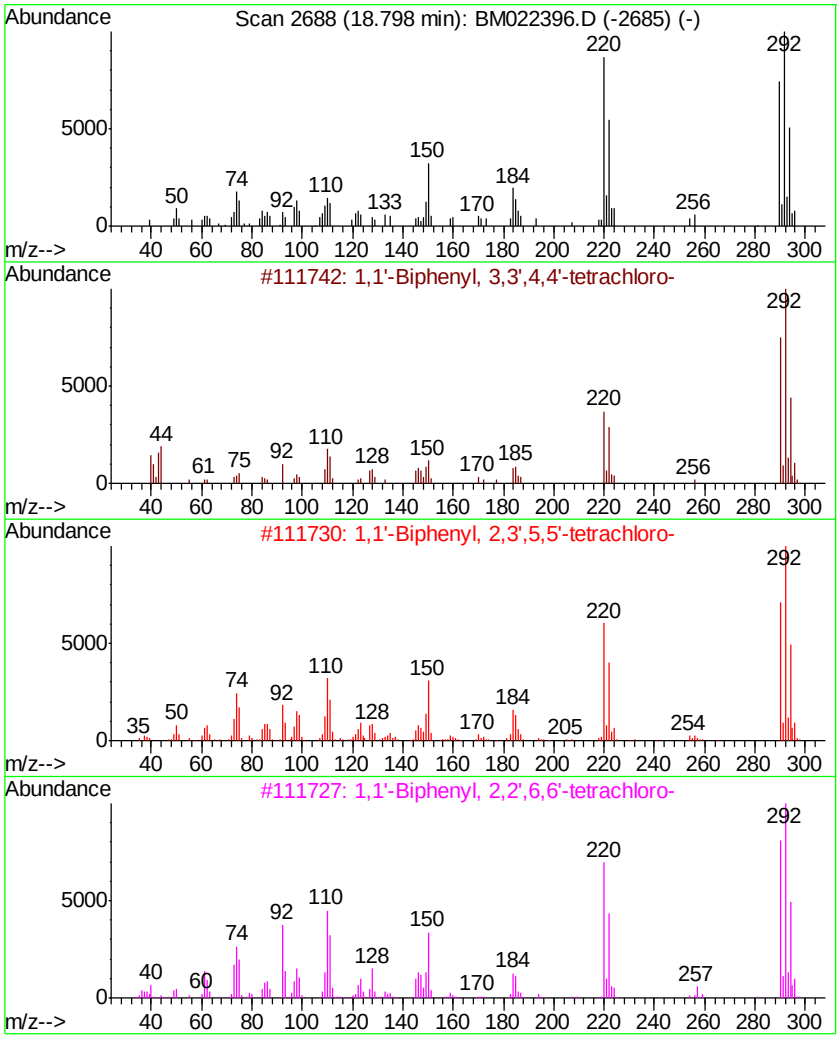
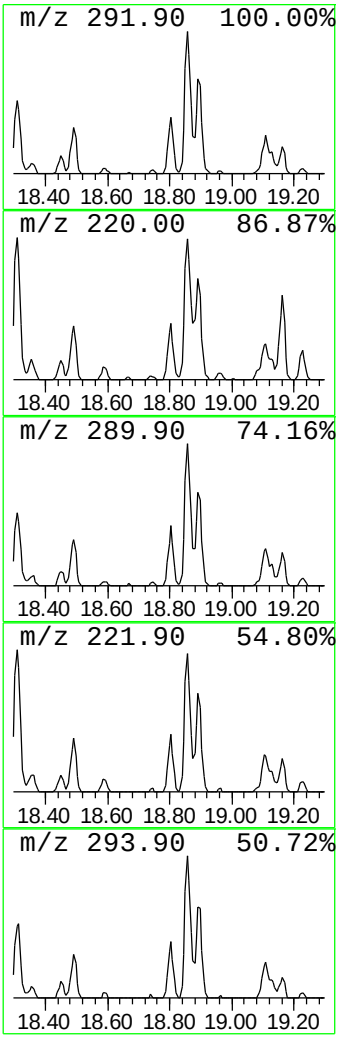
Peak Number 11 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	7.21 ng/ul	136935	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
4	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	96
5	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	96





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Instrument : BNA_M
ClientSampleId : C0AQ7

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Quant Title : SVOA CALIBRATION

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

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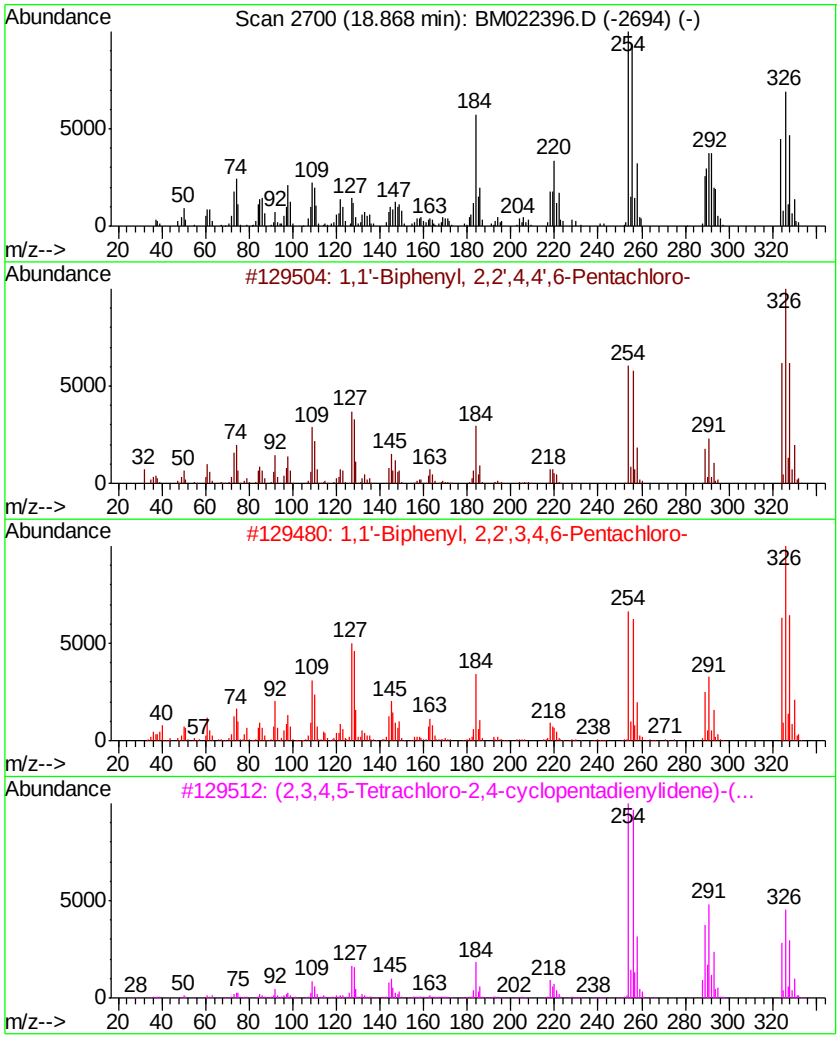
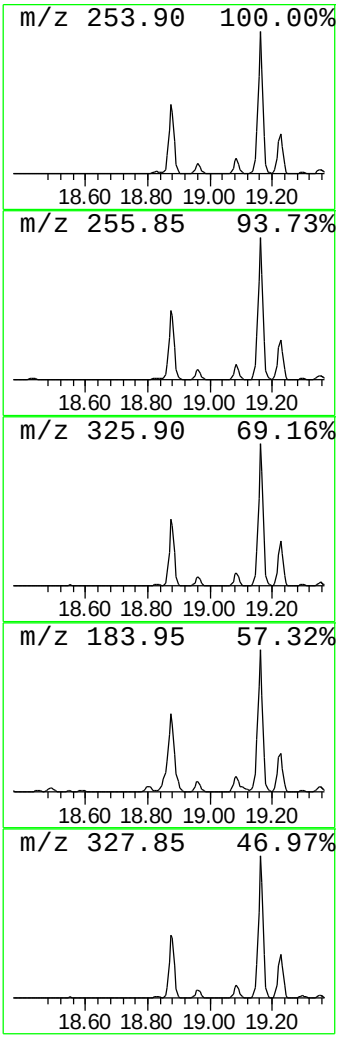
Peak Number 12 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	72.61 ng/ul	1379370	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
2	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
3	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
4	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95
5	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95





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Quant Title : SVOA CALIBRATION

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

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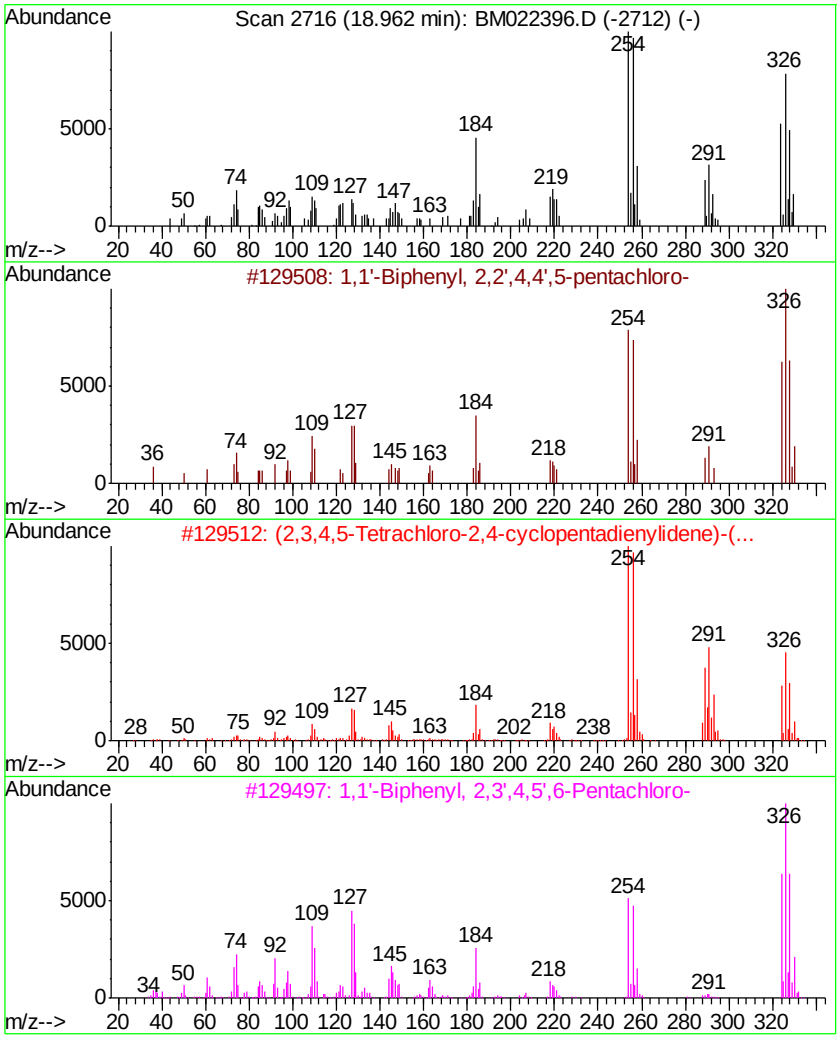
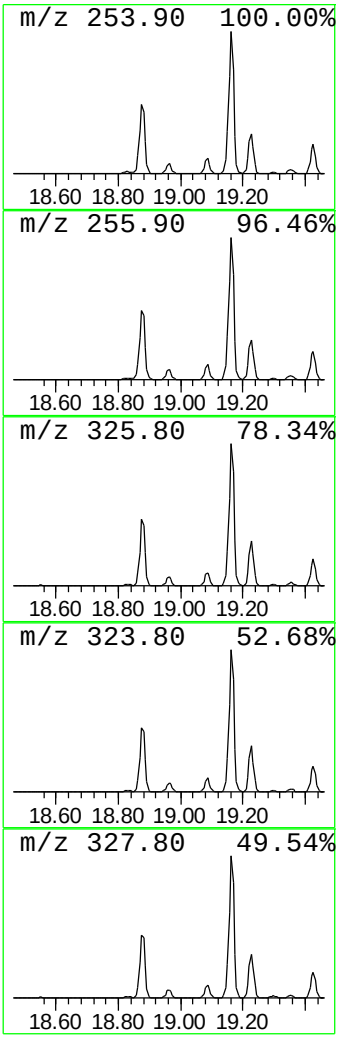
Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	6.11 ng/ul	116048	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
2	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	95
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	94
4	1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	94
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94





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Instrument : BNA_M
ClientSampleId : C0AQ7

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Quant Title : SVOA CALIBRATION

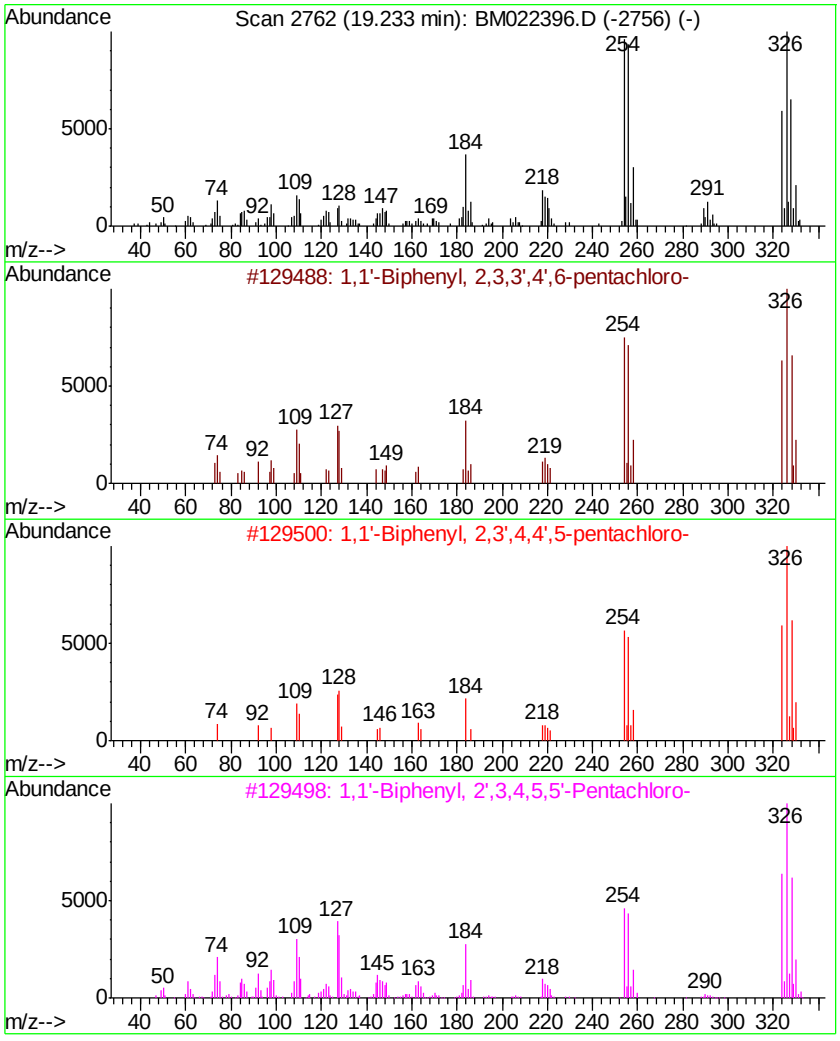
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

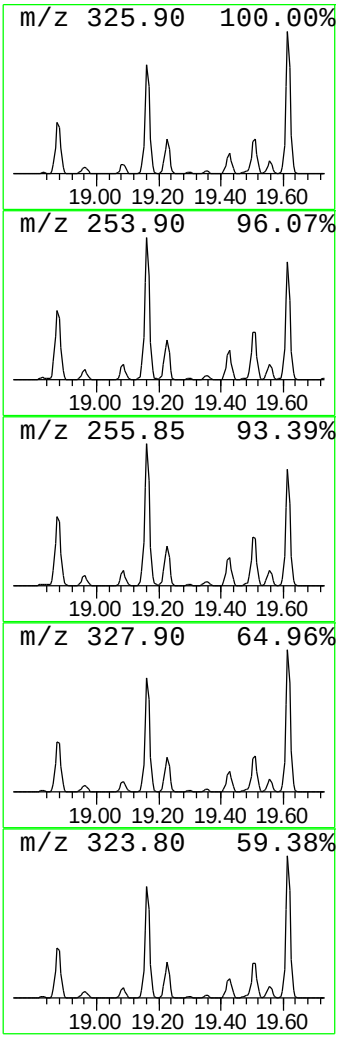
****

Peak Number 16 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	16.44 ng/ul	468632	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
5	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	95





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Sample : K4556-03
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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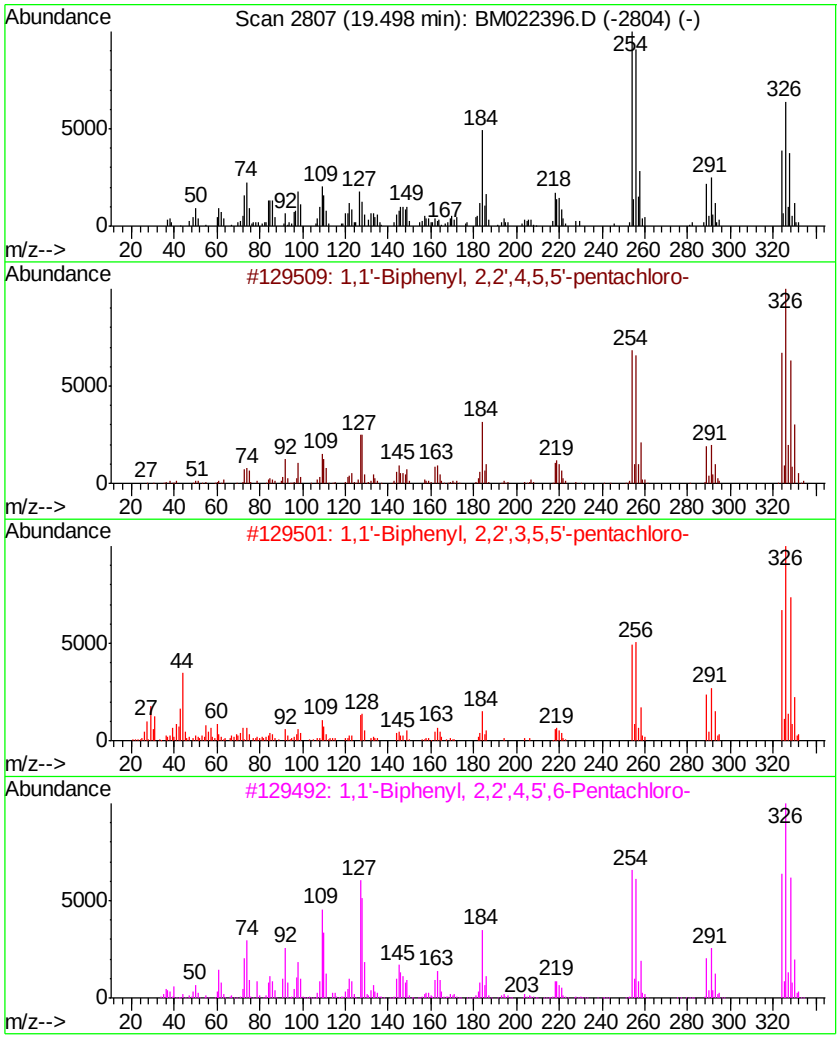
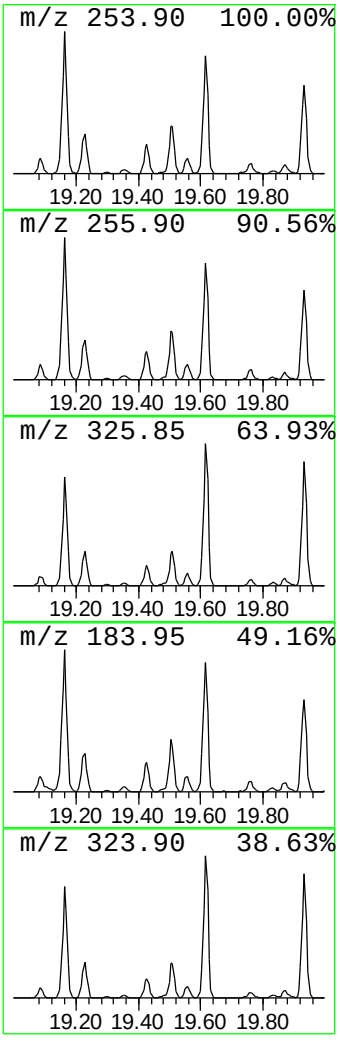
Peak Number 18 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	20.76 ng/ul	591792	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
3	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	96
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95





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Quant Title : SVOA CALIBRATION

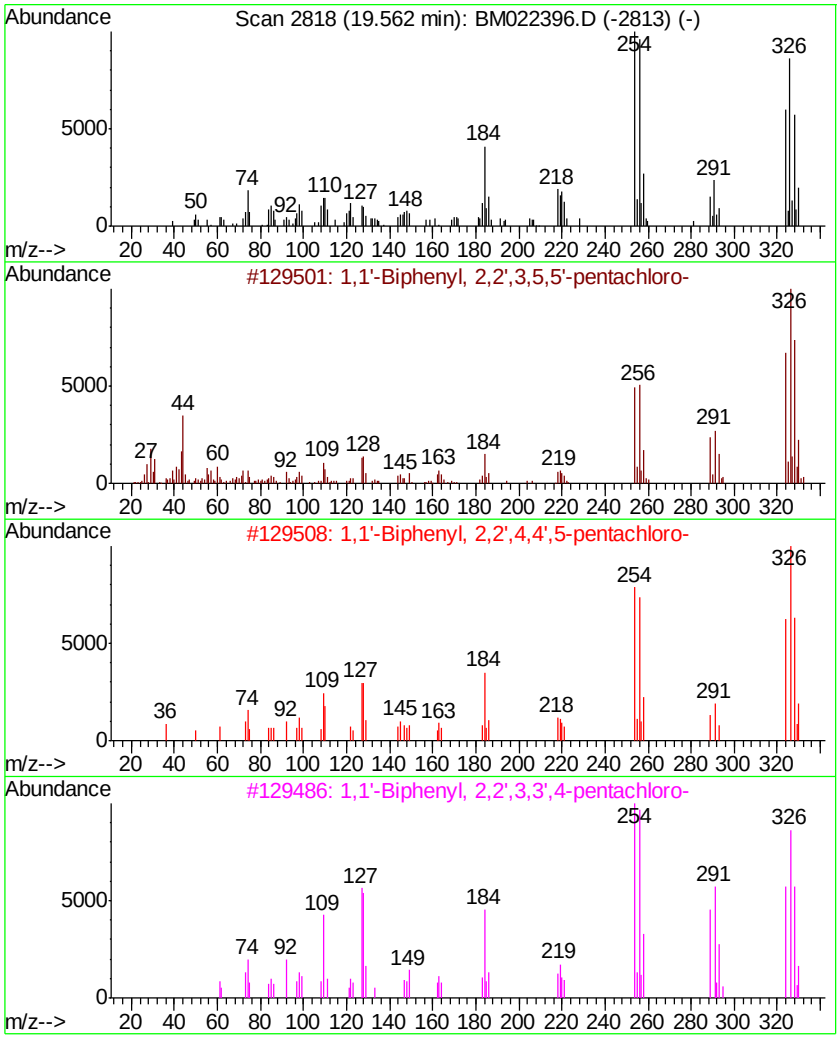
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

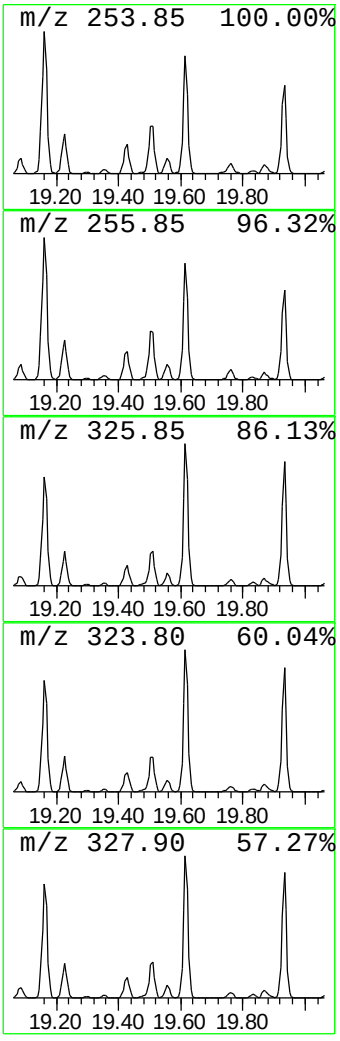
****

Peak Number 19 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	6.52 ng/ul	185850	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	97
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
3	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	95
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	94
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94





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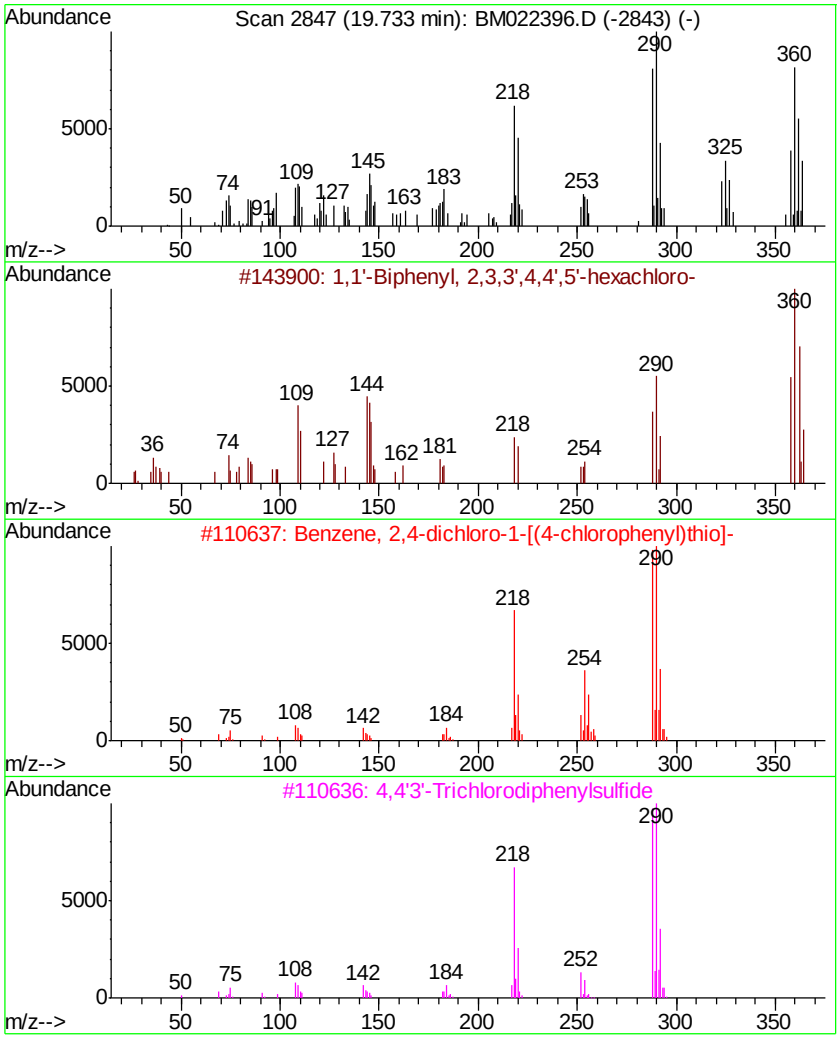
Quant Title : SVOA CALIBRATION

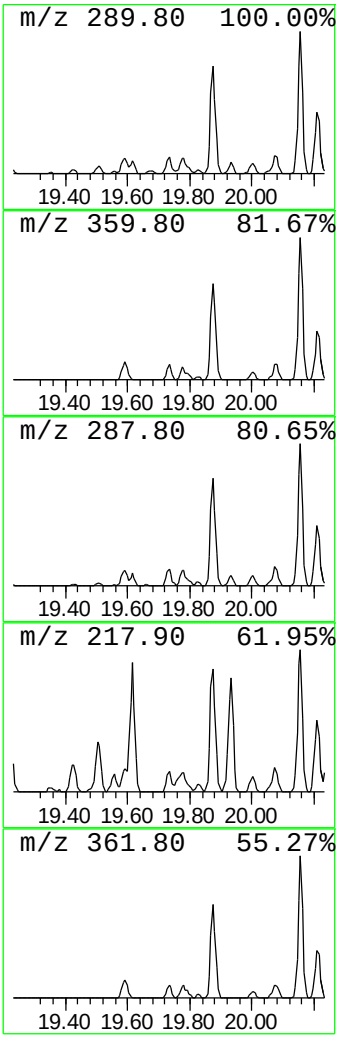
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.21 ng/ul	91389	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	64
2	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	53
3	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	42
4	3-Bromo-5,7-dichloro-1-methylnap...	288	C11H7BrCl2	055058-84-9	38
5	Penclomedine	323	C8H6Cl5NO2	108030-77-9	35





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Quant Title : SVOA CALIBRATION

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

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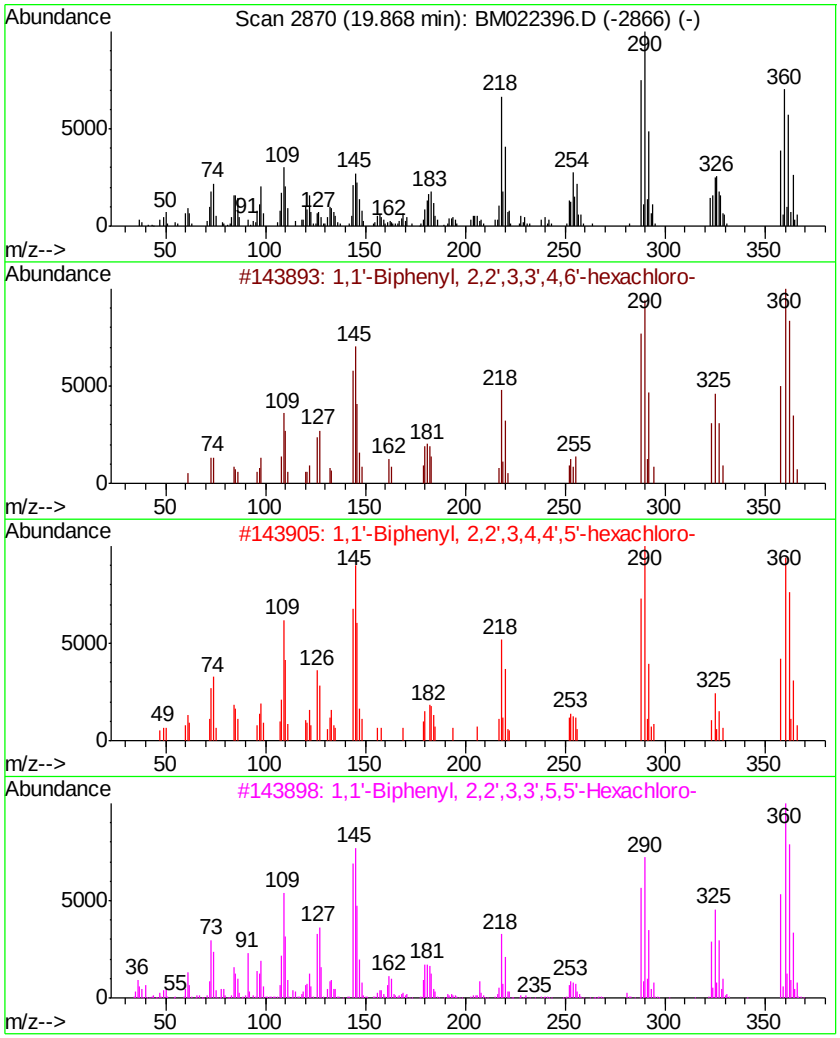
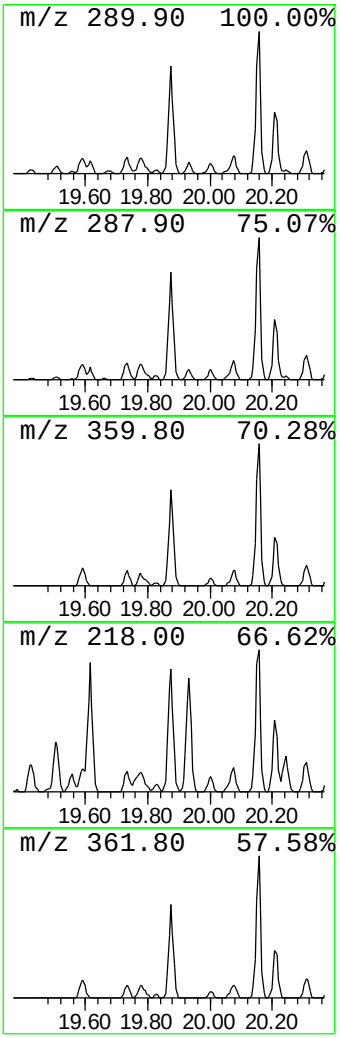
Peak Number 23 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	21.15 ng/ul	602983	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	95
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	94
3	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	93
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	91
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	91





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

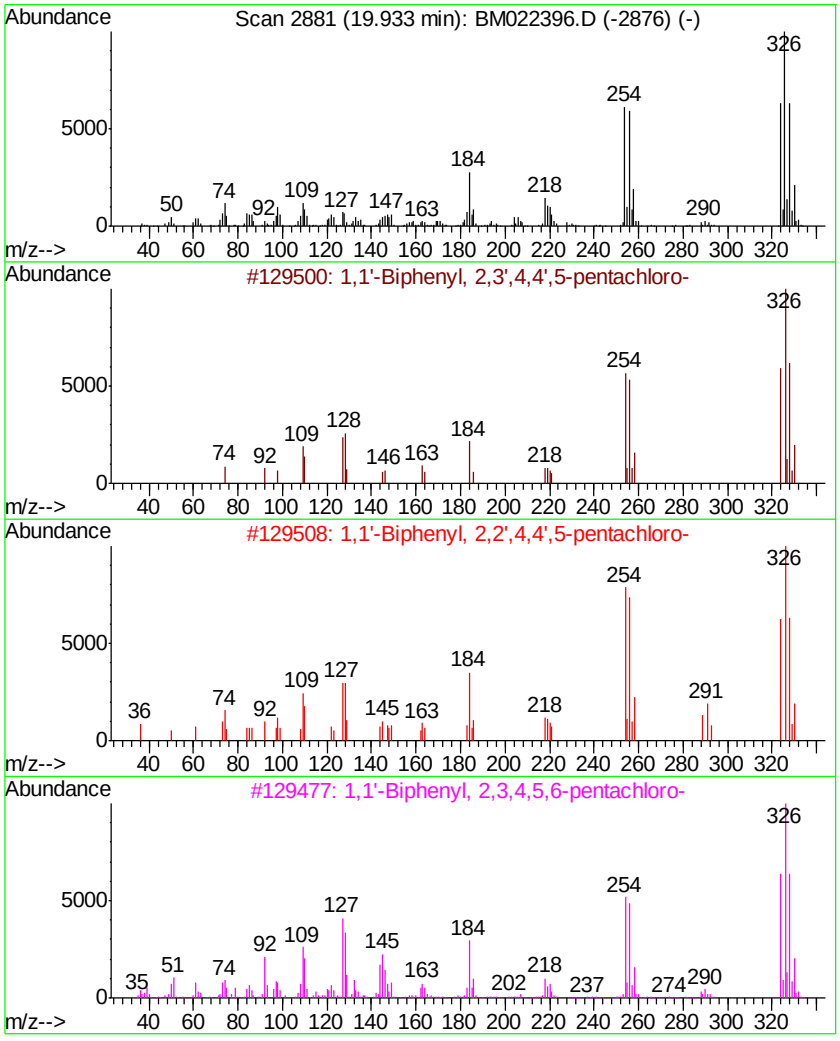
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

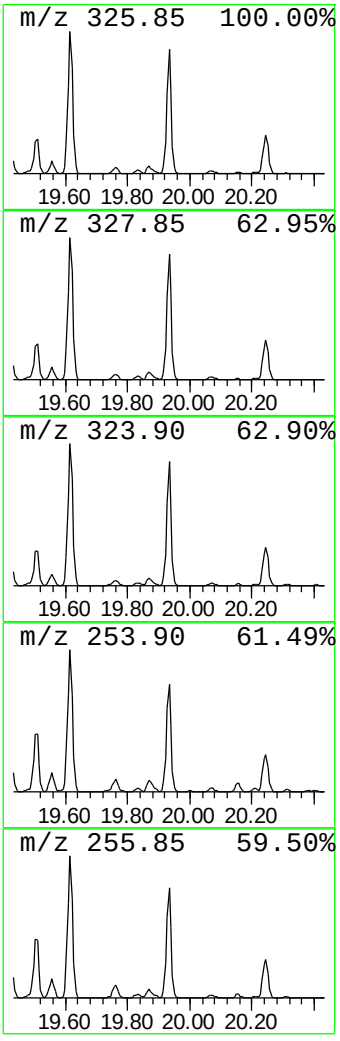
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	41.23 ng/ul	1175420	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	96
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
5	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96





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Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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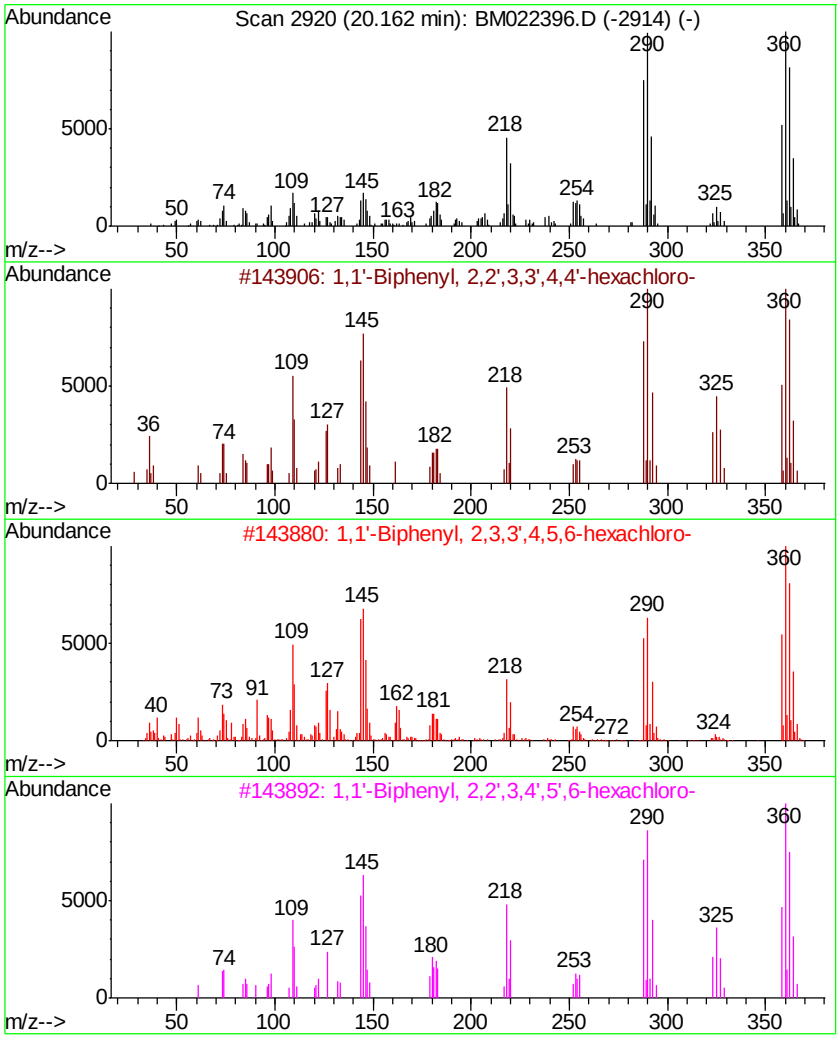
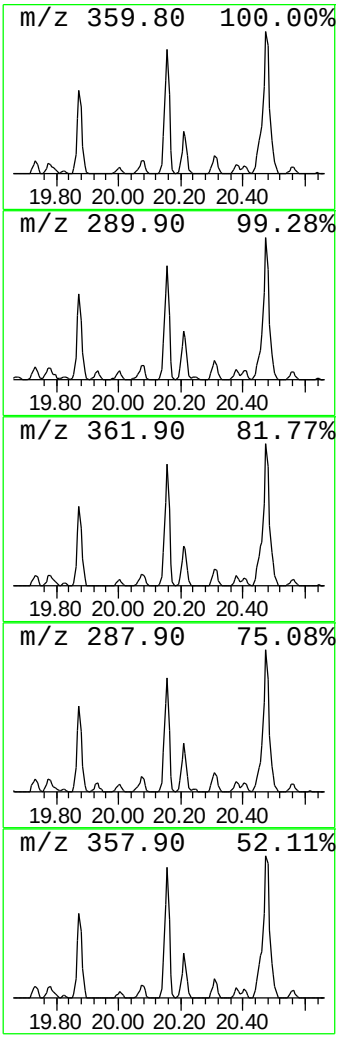
Peak Number 26 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	22.55 ng/ul	642951	Chrysene-d12	21.17

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	97
2	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	95
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	95
4	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	95
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95





Library Search Compound Report

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Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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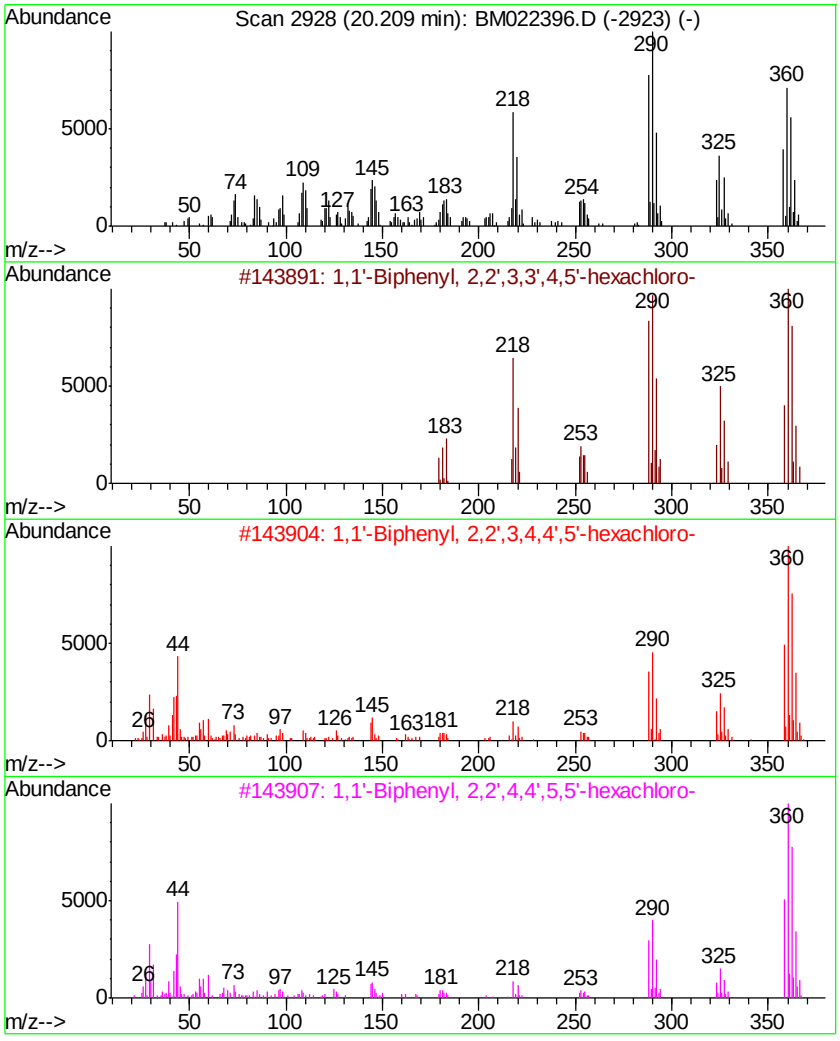
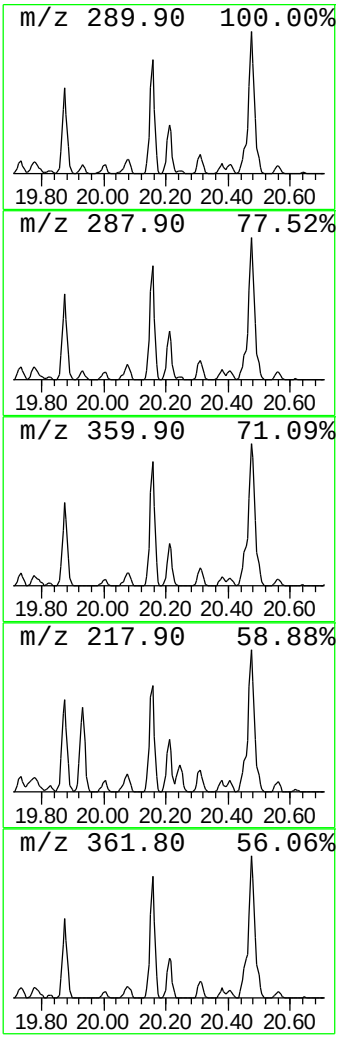
Peak Number 27 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	12.14 ng/ul	346097	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	98
4	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	94
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	93





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Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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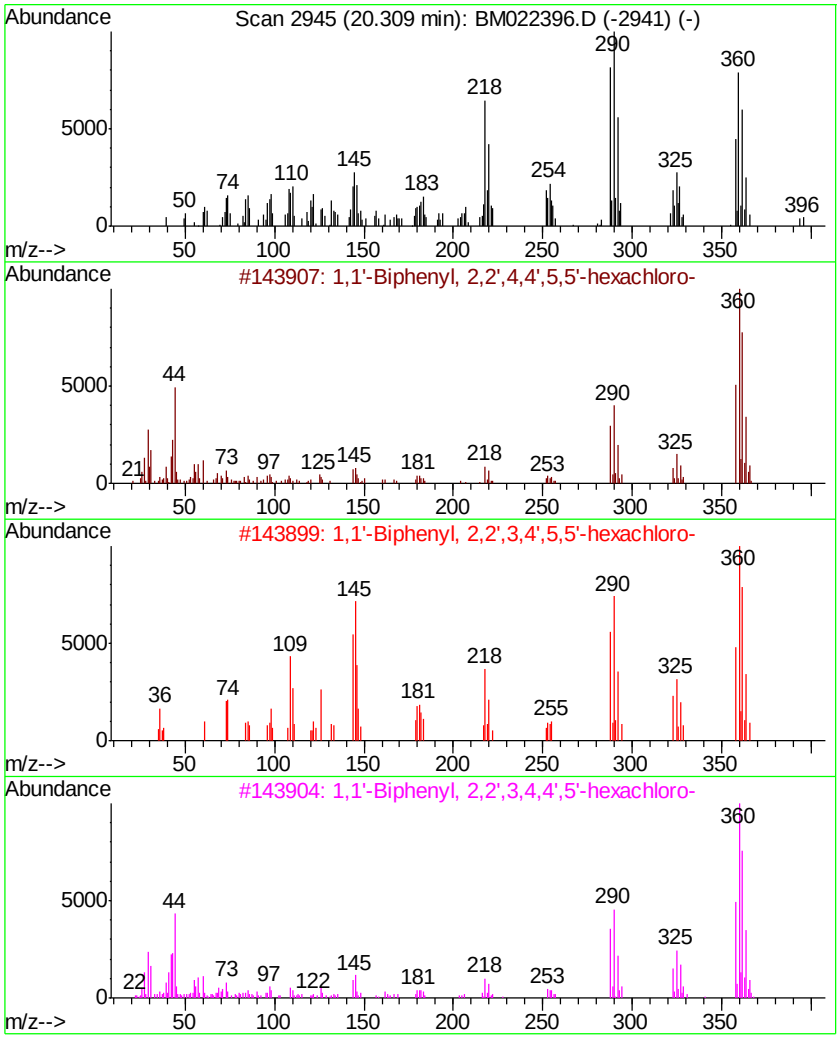
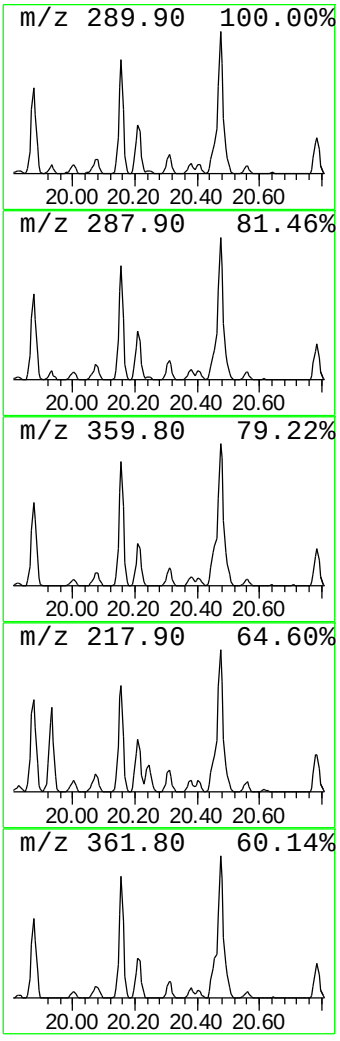
Peak Number 29 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	4.75 ng/ul	135463	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	98
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	96
4	1,1'-Biphenyl, 2,2',3,3',5,6'-he...	358	C12H4Cl6	052744-13-5	95
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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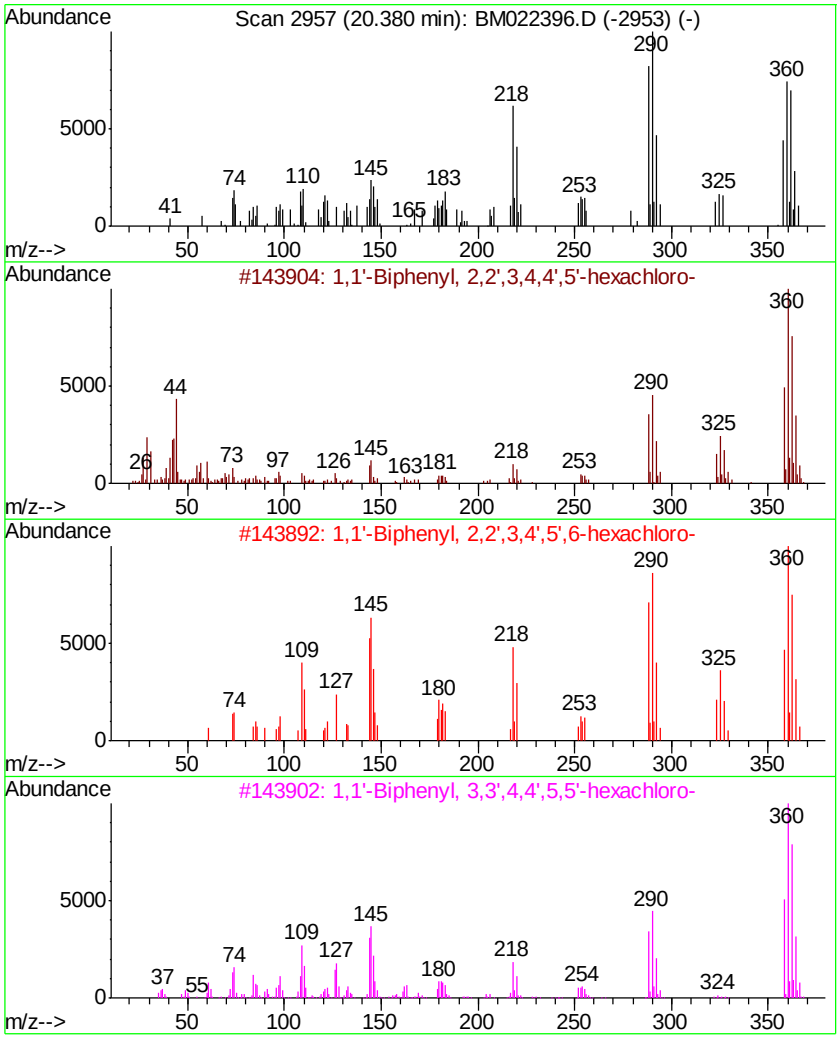
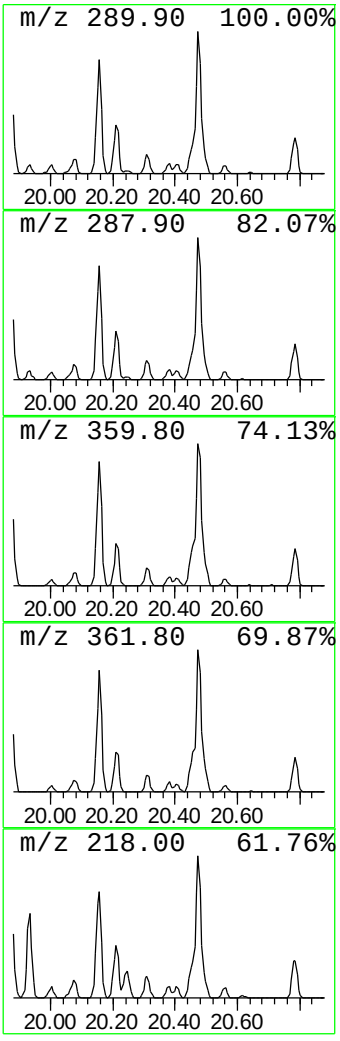
Peak Number 30 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.24 ng/ul	63980	Chrysene-d12	21.17

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	95
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	94
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	94
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	94
5	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	94





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Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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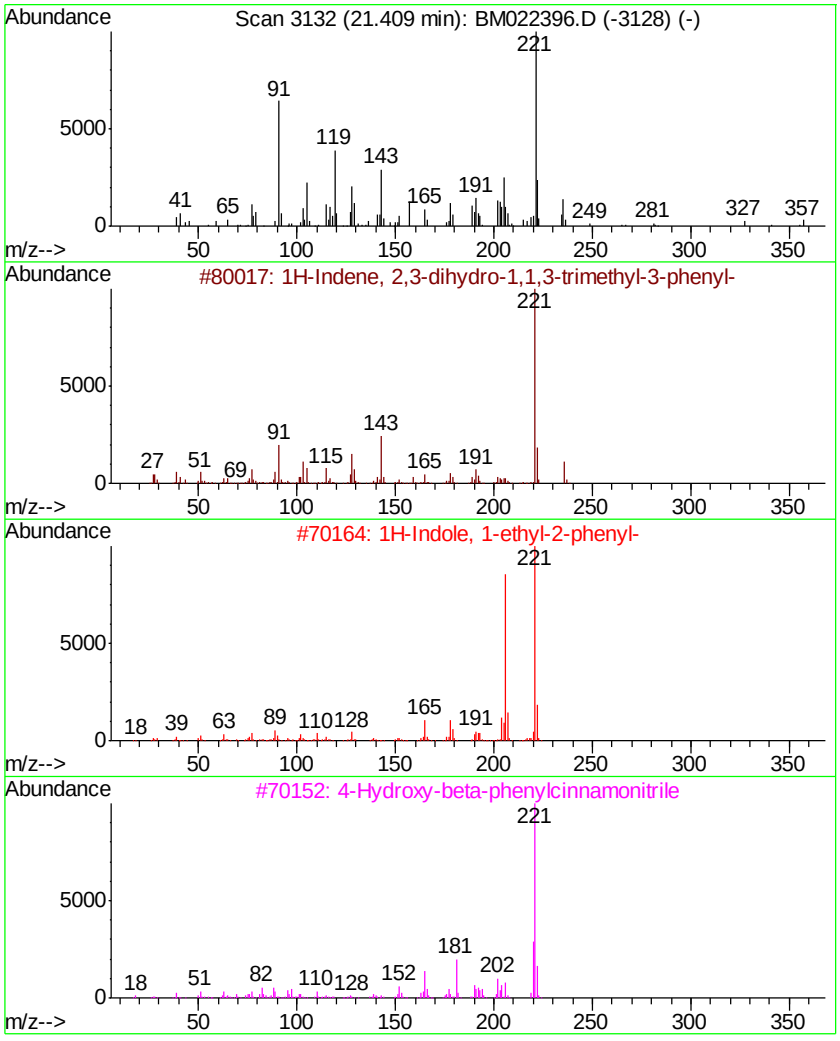
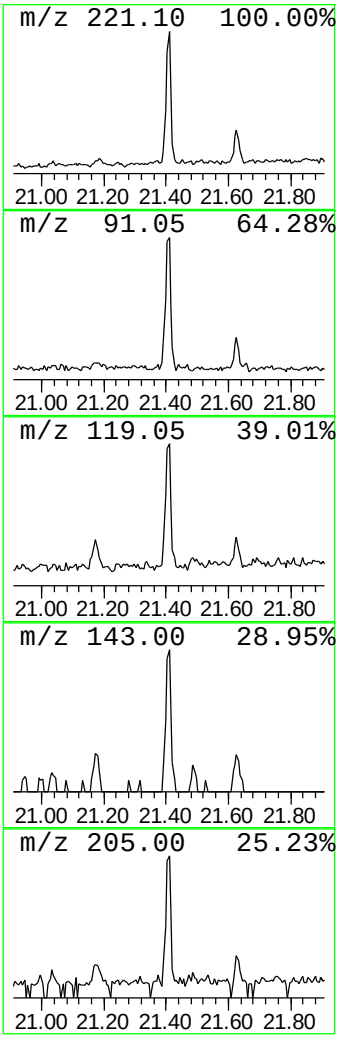
Peak Number 34 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	3.77 ng/ul	107380	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
2	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	43
3	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	38
4	6-Phenyl-3,5-dithioxo-2,3,4,5-te...	221	C9H7N3S2	038119-57-2	38
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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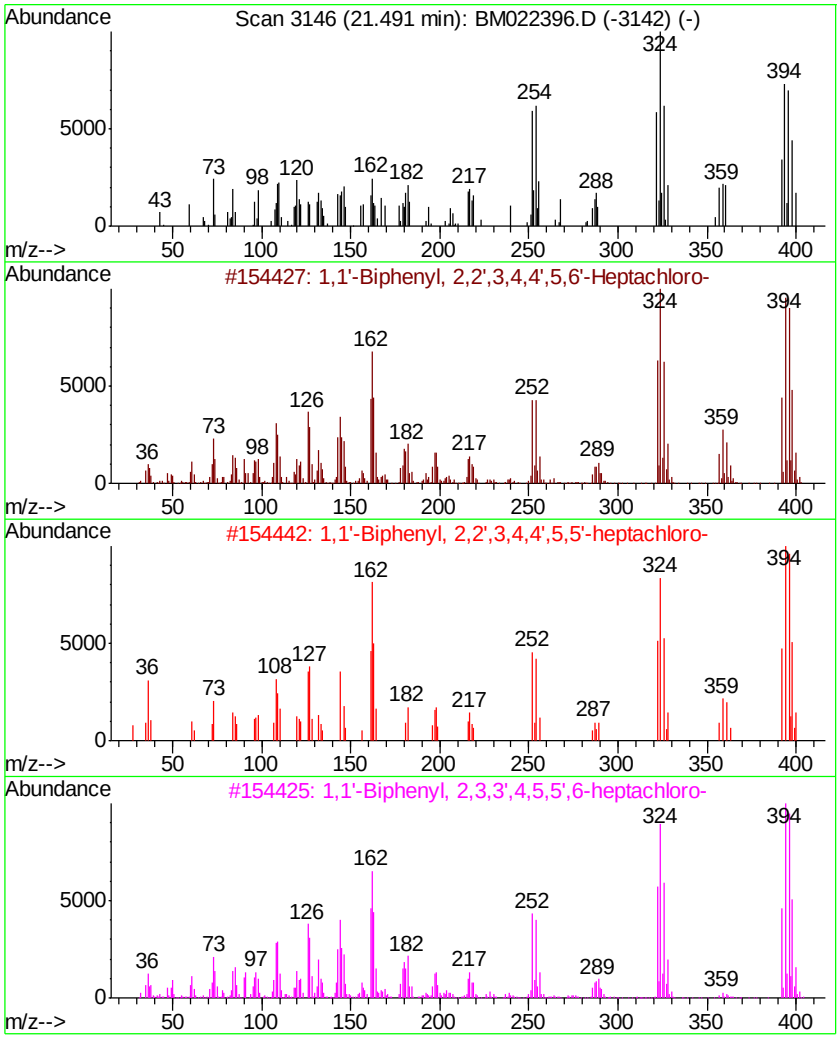
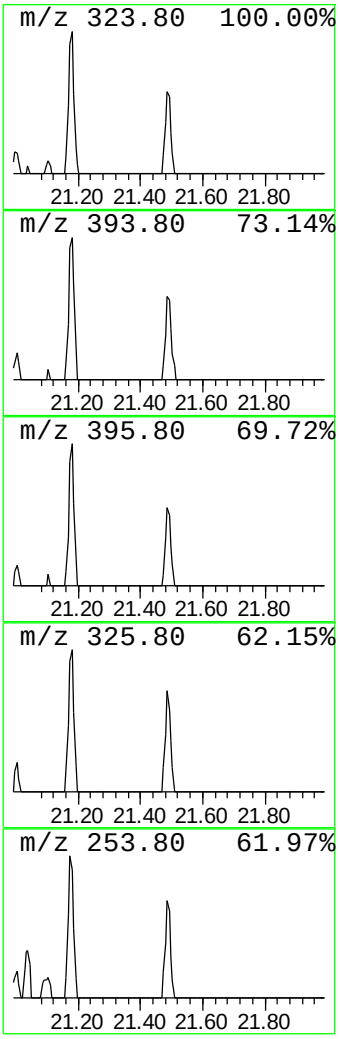
Peak Number 35 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.41 ng/ul	68689	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	98
3	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	96
4	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	96
5	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082819\
Data File : BM022396.D
Acq On : 28 Aug 2019 23:42
Operator : HP/JU
Sample : K4556-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AQ7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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: Str...	3.02	2.9	ng/ul	22889	1	7.53	160232	20.0
Cyclotrisiloxane,...	4.19	7.3	ng/ul	58435	1	7.53	160232	20.0
Cyclotetrasiloxan...	6.61	25.2	ng/ul	202071	1	7.53	160232	20.0
1,1'-Biphenyl, 2'...	17.56	5.0	ng/ul	95710	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	18.02	33.8	ng/ul	641421	4	16.96	379958	20.0
Benzenesulfonyl c...	18.12	2.2	ng/ul	42150	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	18.31	15.2	ng/ul	288412	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	18.49	5.6	ng/ul	106195	4	16.96	379958	20.0
1,1'-Biphenyl, 3,...	18.80	7.2	ng/ul	136935	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	18.87	72.6	ng/ul	1379370	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	18.96	6.1	ng/ul	116048	4	16.96	379958	20.0
1,1'-Biphenyl, 2,...	19.23	16.4	ng/ul	468632	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	19.50	20.8	ng/ul	591792	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	19.56	6.5	ng/ul	185850	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	19.73	3.2	ng/ul	91389	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	19.87	21.1	ng/ul	602983	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	19.93	41.2	ng/ul	1175420	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	20.16	22.6	ng/ul	642951	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	20.21	12.1	ng/ul	346097	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	20.31	4.8	ng/ul	135463	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	20.38	2.2	ng/ul	63980	5	21.17	570226	20.0
unknown-01	21.41	3.8	ng/ul	107380	5	21.17	570226	20.0
1,1'-Biphenyl, 2,...	21.49	2.4	ng/ul	68689	5	21.17	570226	20.0