LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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	6.269	606	609	614	rBB	11089	15031	0.79%	0.059%
2	6.781	684	696	706	rBB	142352	231941	12.18%	0.918%
3	6.893	710	715	719	rBV	59691	88502	4.65%	0.350%
4	6.940	719	723	729	rVV	100993	149833	7.87%	0.593%
5	7.134	750	756	764	rBB	145361	227934	11.97%	0.902%
6	7.240	770	774	779	rVB	22371	30645	1.61%	0.121%
7	7.599	829	835	841	rBB	244191	367398	19.29%	1.454%
8	7.705	849	853	859	rBB2	8586	11644	0.61%	0.046%
9	8.316	951	957	965	rBV	166658	259903	13.64%	1.028%
10	8.757	1026	1032	1039	rBV	130339	201577	10.58%	0.798%
11	9.475	1148	1154	1161	rBB	91127	146443	7.69%	0.579%
12	10.016	1240	1246	1255	rBB	185197	301786	15.84%	1.194%
13	10.387	1301	1309	1315	rBV	325395	520366	27.32%	2.059%
14	10.534	1327	1334	1348	rBB	125506	213763	11.22%	0.846%
15	12.057	1587	1593	1598	rBB2	6561	10965	0.58%	0.043%
16	12.804	1711	1720	1725	rVV	104207	155429	8.16%	0.615%
17	12.857	1725	1729	1733	rVB	10360	14857	0.78%	0.059%
18	13.569	1843	1850	1859	rVB3	8991	15342	0.81%	0.061%
19	13.675	1862	1868	1872	rVV	320576	436266	22.90%	1.726%
20	13.722	1872	1876	1882	rVV	143517	203864	10.70%	0.807%
21	13.951	1909	1915	1928	rVB	340500	510369	26.79%	2.020%
22	14.157	1944	1950	1955	rBV3	6462	12233	0.64%	0.048%
23	14.263	1961	1968	1975	rVB2	474698	696691	36.57%	2.757%
24	14.328	1975	1979	1982	rBV	36083	57007	2.99%	0.226%
25	14.486	2001	2006	2017	rVV	97638	151763	7.97%	0.601%
26	14.663	2029	2036	2041	rBV	26445	37406	1.96%	0.148%
27	15.116	2109	2113	2116	rVB2	10940	13294	0.70%	0.053%
28	15.257	2131	2137	2142	rBV	416477	581366	30.52%	2.301%
29	15.316	2142	2147	2156	rVB	46644	73348	3.85%	0.290%
30	15.398	2156	2161	2164	rBV4	15091	24596	1.29%	0.097%
31	15.516	2177	2181	2187	rVV3	20603	32818	1.72%	0.130%
32	15.610	2193	2197	2205	rVB	12546	18604	0.98%	0.074%
33	15.751	2218	2221	2226	rVV2	8351	14488	0.76%	0.057%
34	15.998	2255	2263	2267	rBV2	44168	90578	4.76%	0.358%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

35	16.310	2314	2316	2322	rVV5	10135	18245	0.96%	0.072%
36	16.369	2324	2326	2332	rVB5	8461	11762	0.62%	0.047%
37	16.545	2349	2356	2359	rBV6	20630	36472	1.91%	0.144%
38	16.586	2361	2363	2366	rVB3	11864	11444	0.60%	0.045%
39	16.669	2373	2377	2383	rBV2	16515	23272	1.22%	0.092%
40	16.769	2391	2394	2397	rVV2	30514	37027	1.94%	0.147%
41	16.822	2398	2403	2410	rVB2	43305	79348	4.17%	0.314%
42	17.010	2429	2435	2439	rBV	603581	892678	46.86%	3.532%
43	17.057	2439	2443	2447	rVV	497680	694507	36.46%	2.748%
44	17.110	2447	2452	2456	rVV	490347	707141	37.12%	2.798%
45	17.145	2456	2458	2462	rVV	139955	154532	8.11%	0.612%
46	17.192	2462	2466	2472	rVB6	26015	48053	2.52%	0.190%
47	17.422	2501	2505	2510	rVB	43415	60438	3.17%	0.239%
48	17.504	2515	2519	2522	rBV6	12868	17816	0.94%	0.071%
49	17.610	2531	2537	2543	rBV2	48749	95299	5.00%	0.377%
50	17.727	2553	2557	2562	rBV5	31675	46920	2.46%	0.186%
51	17.804	2567	2570	2576	rVB5	24371	29722	1.56%	0.118%
52	17.910	2576	2588	2590	rBV2	85087	208353	10.94%	0.824%
53	17.933	2590	2592	2596	rVB	68089	76071	3.99%	0.301%
54	17.980	2596	2600	2603	rBV	88723	97883	5.14%	0.387%
55	18.016	2604	2606	2611	rVB	29561	32499	1.71%	0.129%
56	18.080	2612	2617	2621	rBV2	293054	403708	21.19%	1.598%
57	18.139	2621	2627	2631	rVB2	93423	159381	8.37%	0.631%
58	18.186	2631	2635	2641	rVB	101317	142700	7.49%	0.565%
59	18.239	2641	2644	2648	rBV4	11182	17276	0.91%	0.068%
60	18.292	2648	2653	2659	rBV	197856	266111	13.97%	1.053%
61	18.369	2662	2666	2669	rBV	81004	123094	6.46%	0.487%
62	18.480	2681	2685	2688	rBV3	59344	83719	4.40%	0.331%
63	18.545	2693	2696	2701	rVB2	31729	37491	1.97%	0.148%
64	18.633	2706	2711	2718	rVB	348730	489368	25.69%	1.937%
65	18.763	2730	2733	2737	rBV	50895	58857	3.09%	0.233%
66	18.910	2754	2758	2760	rBV2	120360	163245	8.57%	0.646%
67	18.939	2760	2763	2770	rVB3	254609	399394	20.97%	1.580%
68	19.021	2773	2777	2781	rVB4	56969	72788	3.82%	0.288%
69	19.080	2781	2787	2792	rBV	881131	1210959	63.57%	4.792%
70	19.139	2792	2797	2803	rBV3	105822	210778	11.07%	0.834%
71	19.221	2806	2811	2816	rVB2	424778	570681	29.96%	2.258%

LSC Area Percent Report

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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

72	19.286	2818	2822	2826	rBV	168389	212351	11.15%	0.840%
73	19.416	2838	2844	2846	rBV2	664194	974443	51.16%	3.856%
74	19.445	2846	2849	2853	rVV	707710	912309	47.89%	3.610%
75	19.480	2853	2855	2859	rVB2	94811	109559	5.75%	0.434%
76	19.563	2865	2869	2873	rBV	147113	166398	8.74%	0.658%
77	19.616	2874	2878	2881	rBV2	76252	120414	6.32%	0.476%
78	19.669	2883	2887	2895	rVB2	373839	554488	29.11%	2.194%
79	19.933	2928	2932	2937	rBV2	264904	372498	19.56%	1.474%
80	19.986	2937	2941	2947	rVB	323991	369557	19.40%	1.462%
81	20.039	2947	2950	2955	rBV	99312	145482	7.64%	0.576%
82	20.133	2964	2966	2971	rVB4	73981	90170	4.73%	0.357%
83	20.210	2975	2979	2983	rVV	265077	336176	17.65%	1.330%
84	20.268	2986	2989	2991	rVV2	113497	159492	8.37%	0.631%
85	20.292	2991	2993	2999	rVB2	140707	168980	8.87%	0.669%
86	20.457	3019	3021	3025	rVB2	79875	83099	4.36%	0.329%
87	20.533	3027	3034	3040	rVV	255307	477836	25.09%	1.891%
88	20.839	3083	3086	3088	rBV3	90242	125648	6.60%	0.497%
89	20.921	3098	3100	3102	rBV2	87474	101542	5.33%	0.402%
90	21.121	3131	3134	3138	rVB	144683	162465	8.53%	0.643%
91	21.210	3143	3149	3153	rVV2	999081	1904844	100.00%	7.538%
92	21.245	3153	3155	3163	rVB	476749	571398	30.00%	2.261%
93	21.363	3171	3175	3181	rVB2	149446	201428	10.57%	0.797%
94	21.786	3244	3247	3249	rBV	105102	112514	5.91%	0.445%
95	22.233	3320	3323	3329	rVB	176455	239472	12.57%	0.948%
96	22.757	3409	3412	3417	rVB	208152	290861	15.27%	1.151%
97	23.227	3488	3492	3496	rBV	192664	318271	16.71%	1.259%
98	23.274	3496	3500	3504	rVV2	484637	787173	41.32%	3.115%
99	23.321	3505	3508	3516	rVB	342421	521224	27.36%	2.063%
100	23.415	3519	3524	3530	rBV	522735	973555	51.11%	3.853%

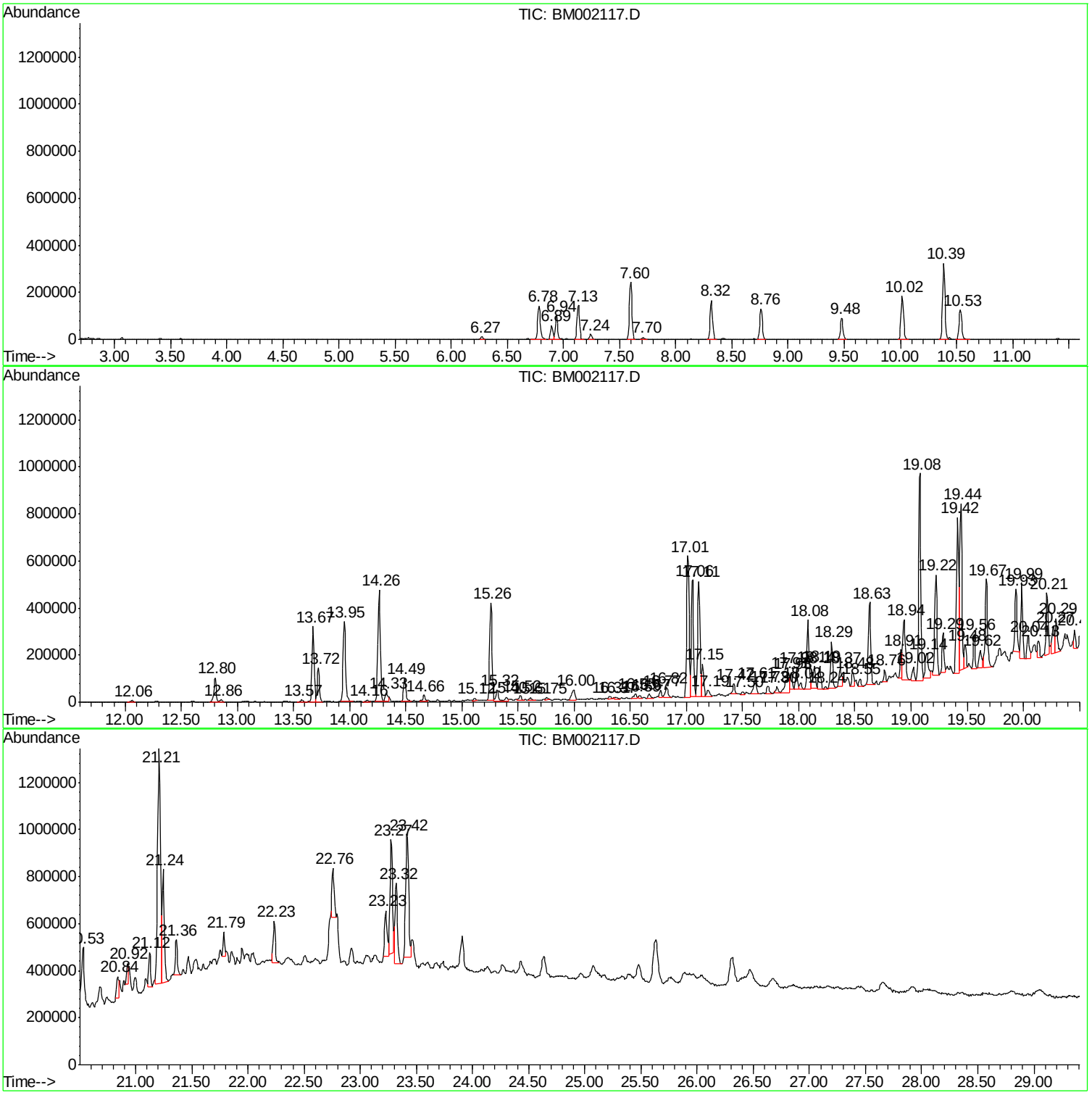
Sum of corrected areas: 25270729

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
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Quant Title : SVOA CALIBRATION

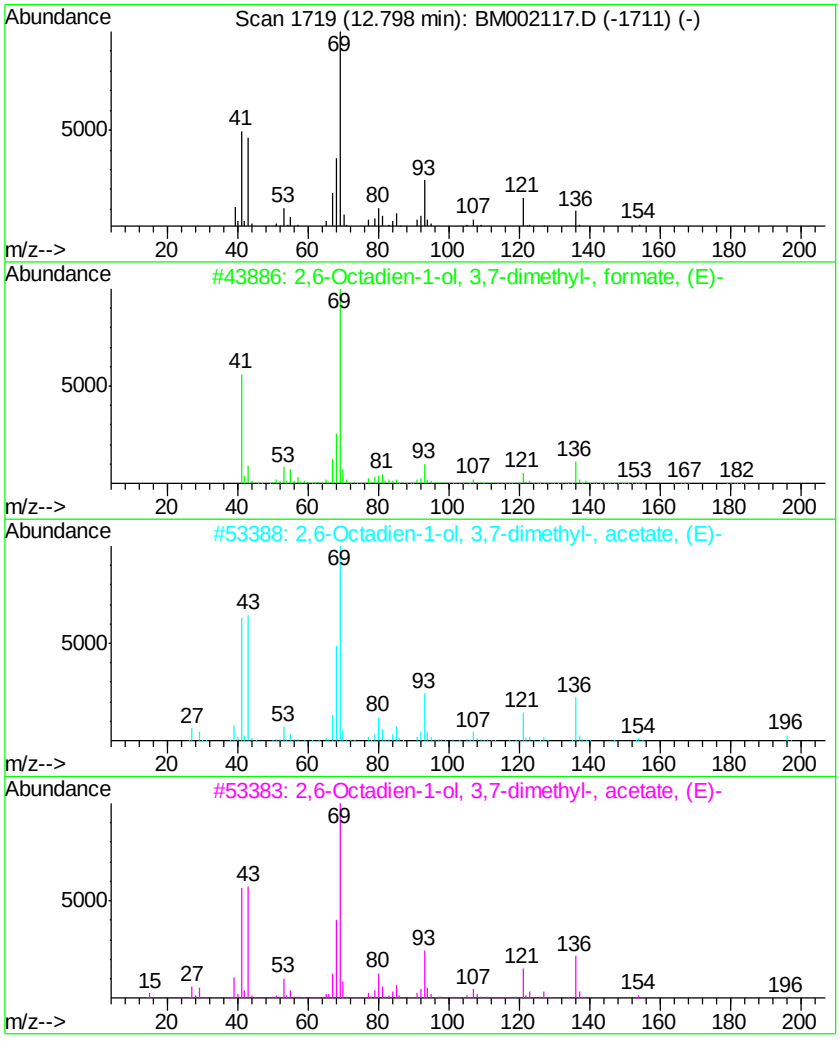
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

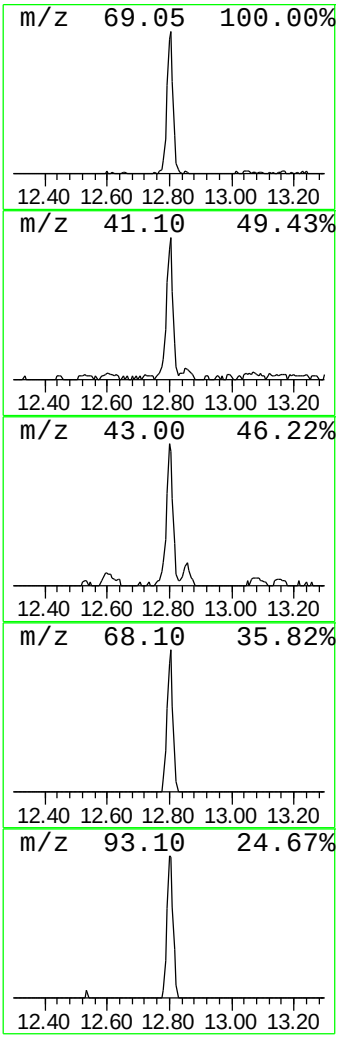
****

Peak Number 1 2,6-Octadien-1-ol, 3,7-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	4.46 ng/ul	155429	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadien-1-ol, 3,7-dimethyl-...	182	C11H18O2	000105-86-2	86
2	2,6-Octadien-1-ol, 3,7-dimethyl-...	196	C12H20O2	000105-87-3	83
3	2,6-Octadien-1-ol, 3,7-dimethyl-...	196	C12H20O2	000105-87-3	83
4	4-Hexen-1-ol, 5-methyl-2-(1-meth...	196	C12H20O2	025905-14-0	80
5	2,6-Octadien-1-ol, 3,7-dimethyl-...	154	C10H18O	000106-25-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

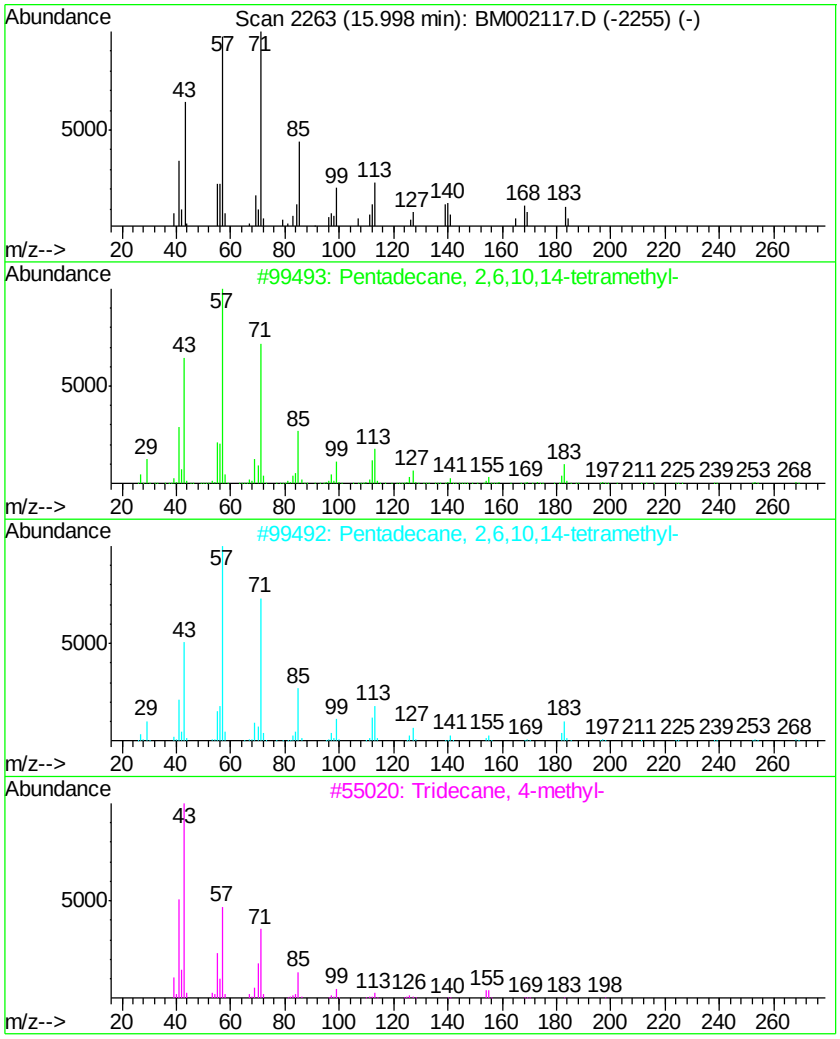
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

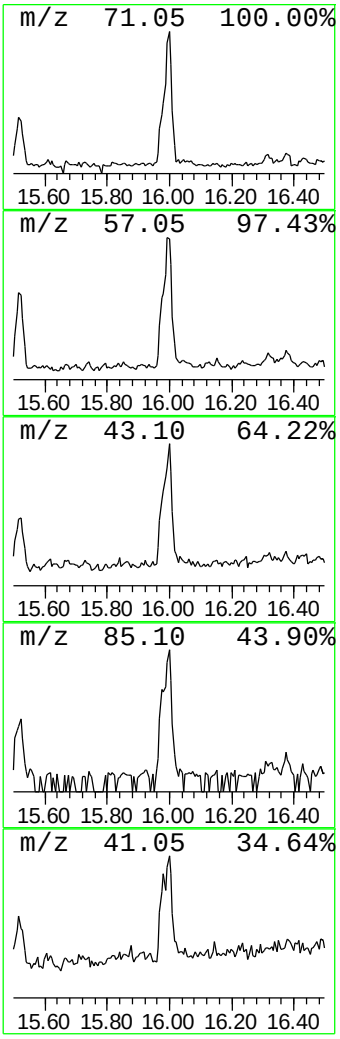
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.03 ng/ul	90578	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	52
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	52
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

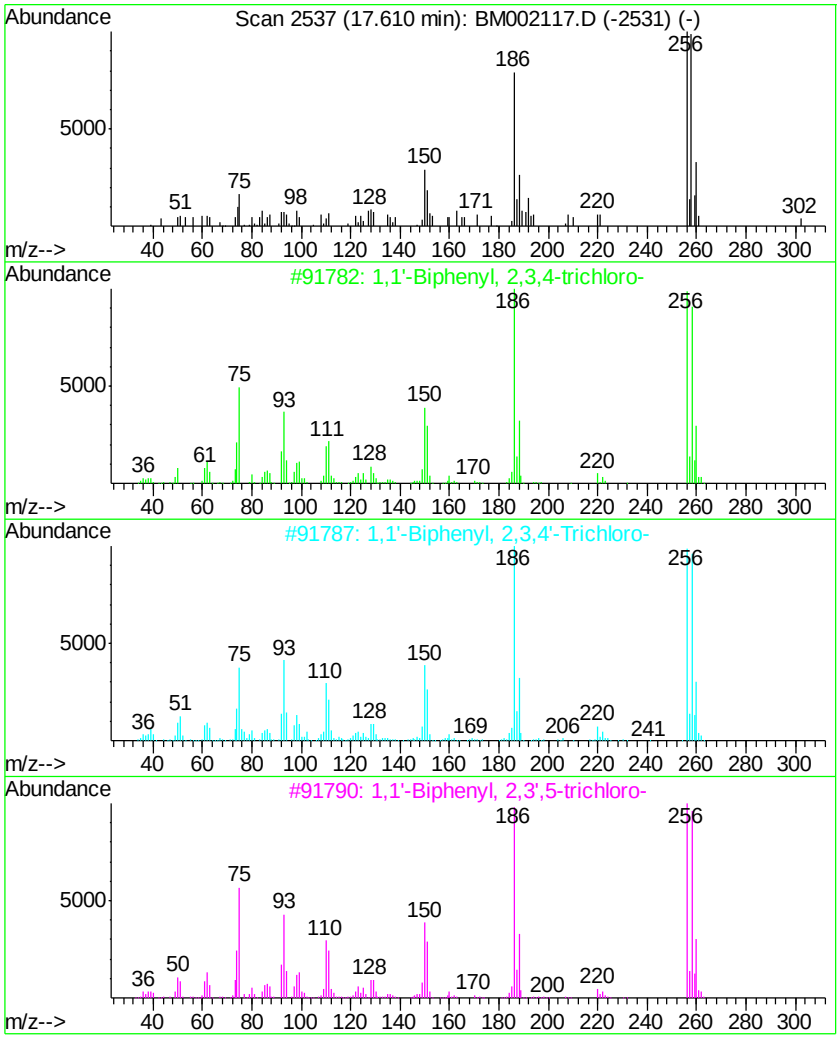
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

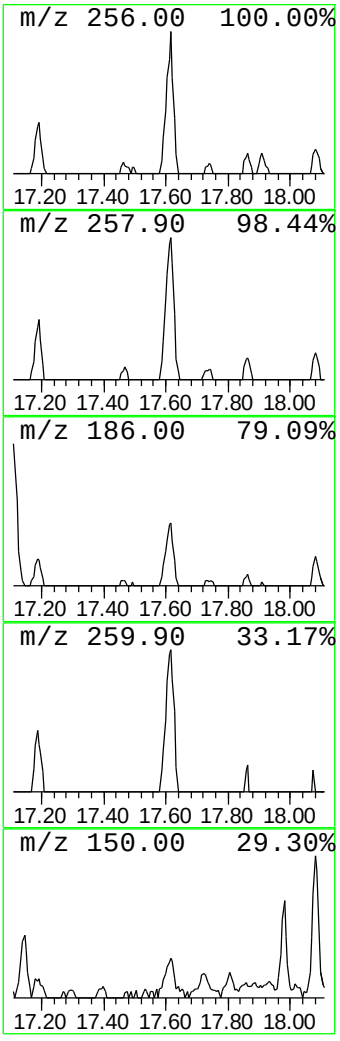
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	2.14 ng/ul	95299	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	95
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	95
4	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	95
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

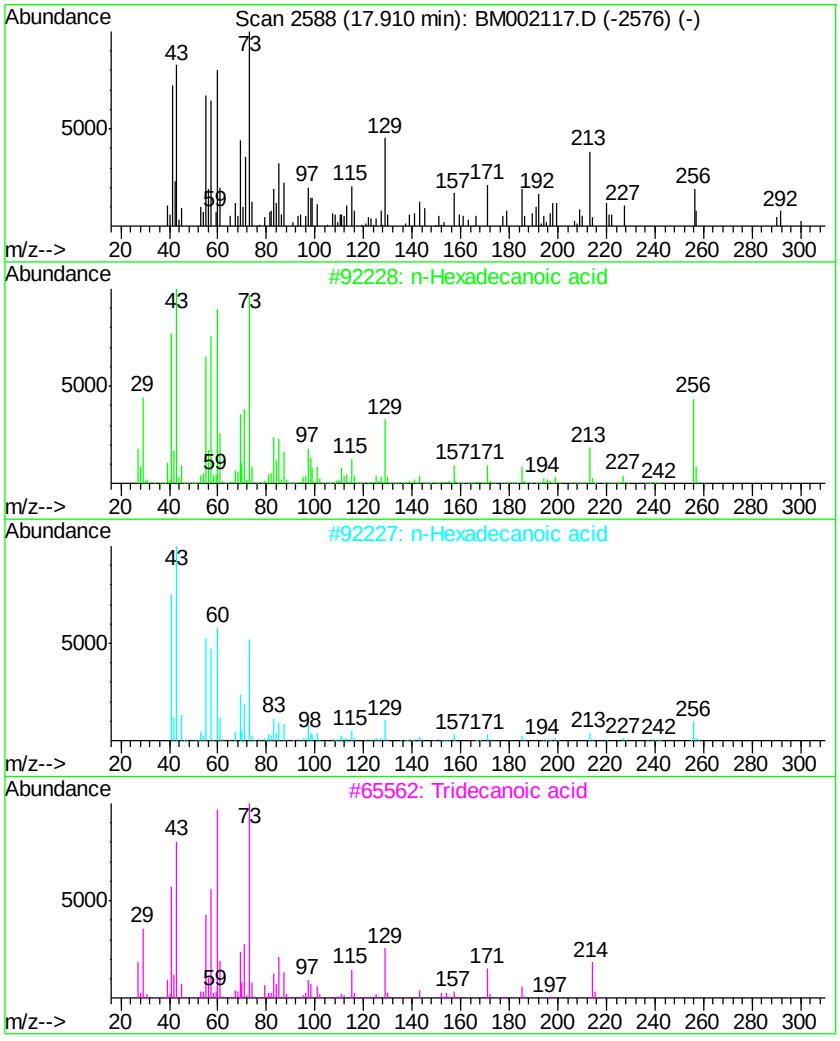
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

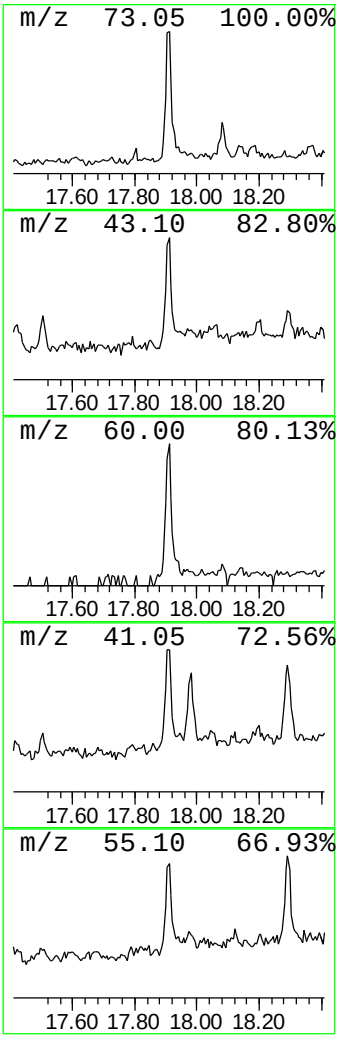
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	4.67 ng/ul	208353	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

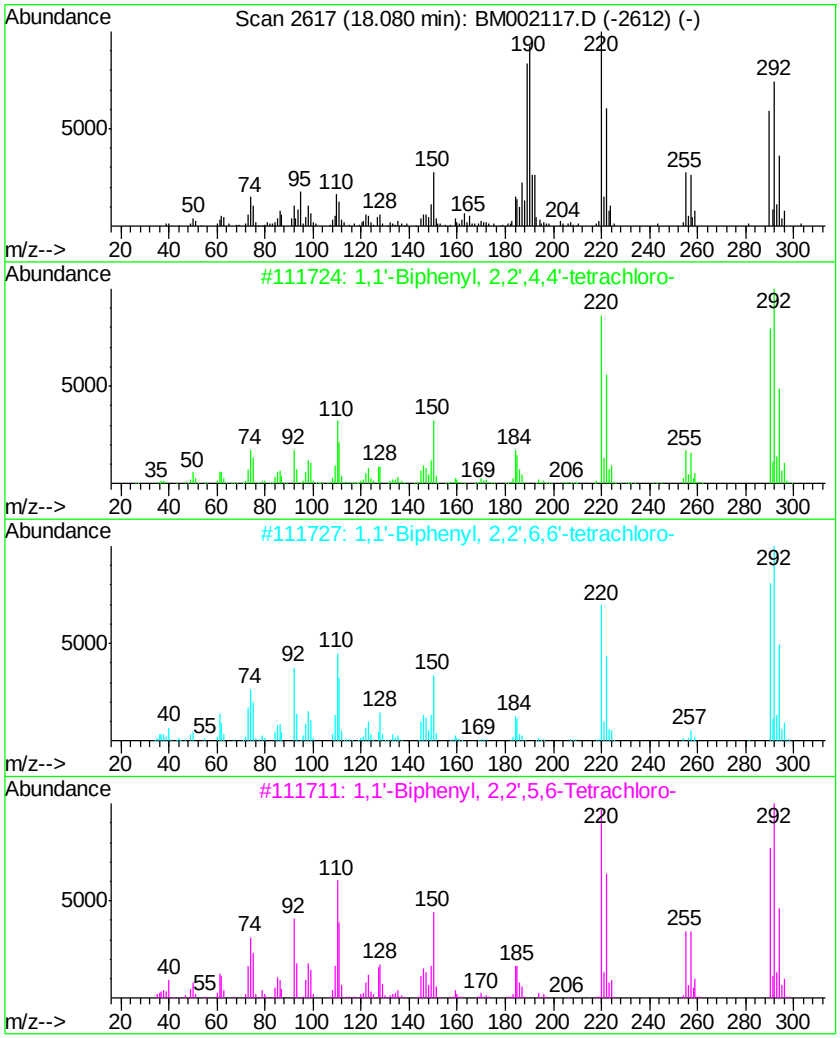
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

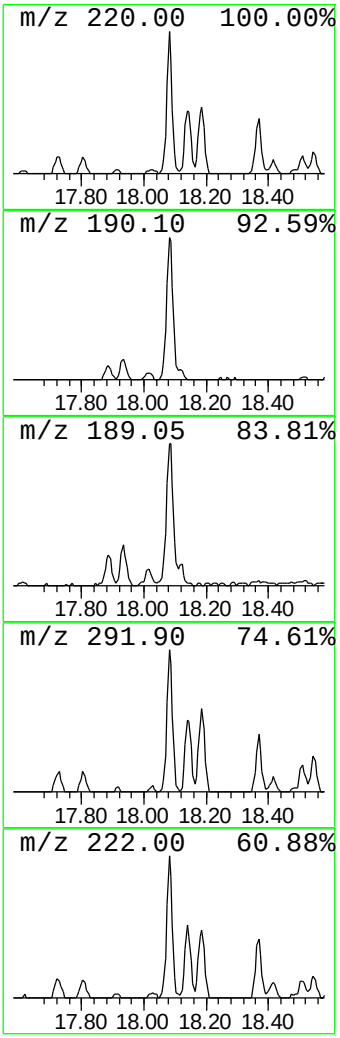
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	9.04 ng/ul	403708	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	97
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	97
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96





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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

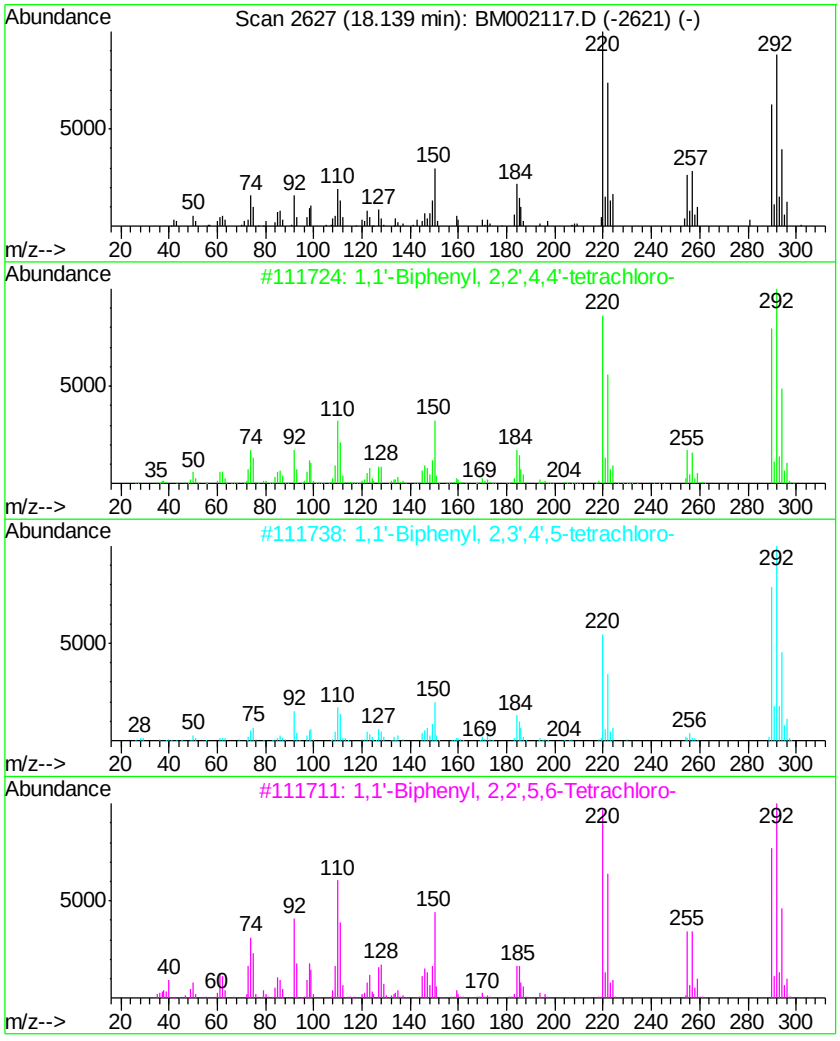
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

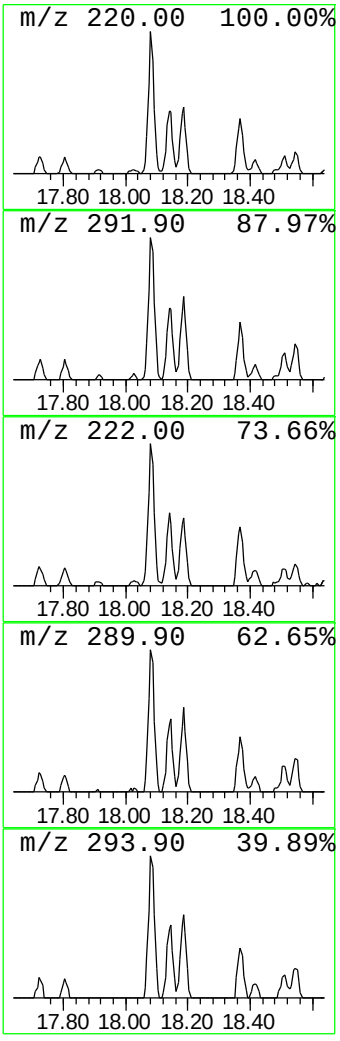
****

Peak Number 6 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.57 ng/ul	159381	Phenanthrene-d10	17.01

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',5-tetrach...	290	C12H6Cl4	032598-11-1	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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99





Library Search Compound Report

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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

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Quant Title : SVOA CALIBRATION

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

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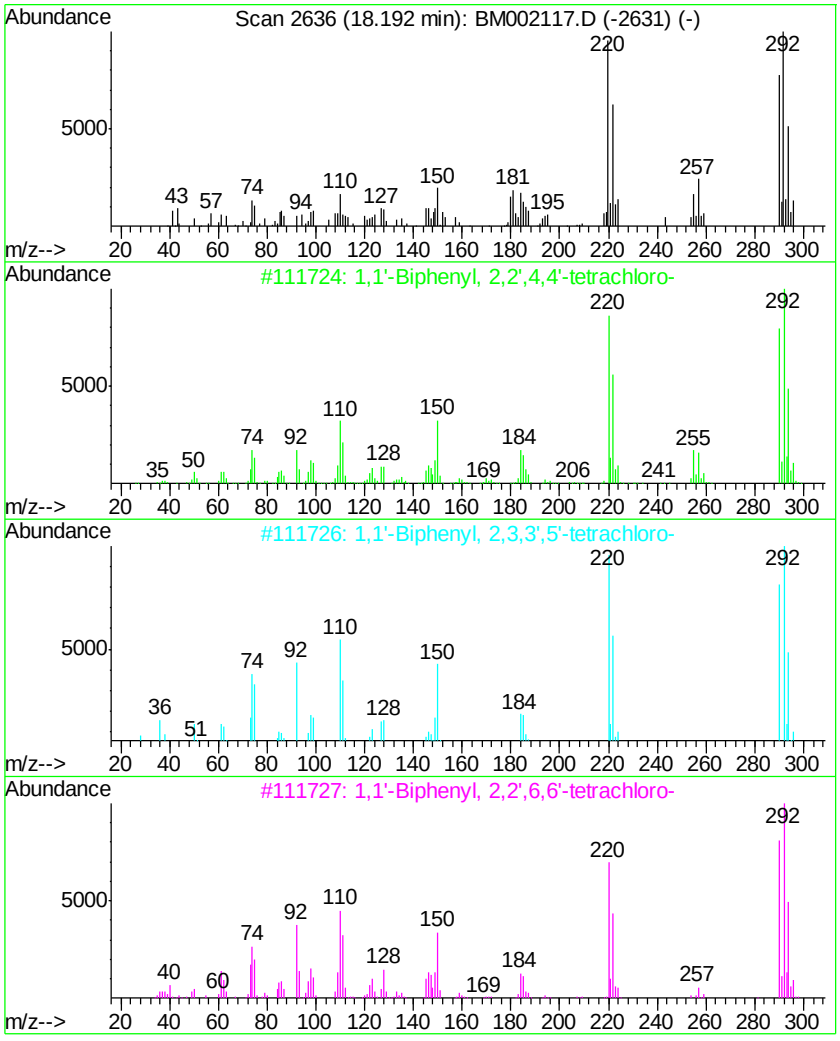
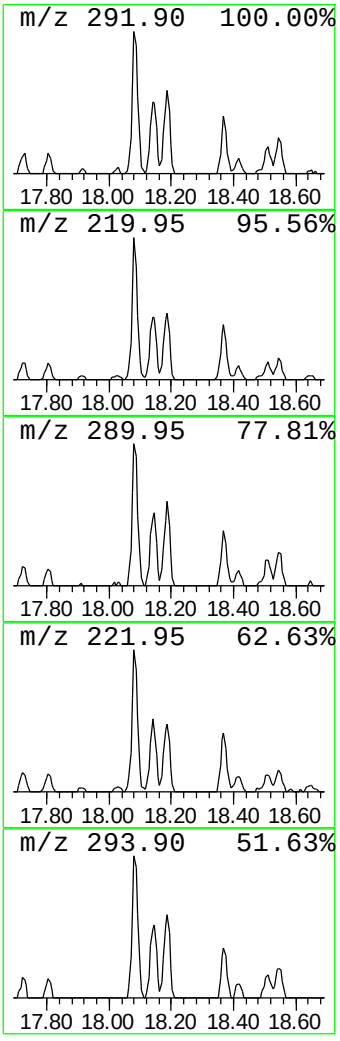
Peak Number 7 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.20 ng/ul	142700	Phenanthrene-d10	17.01

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96





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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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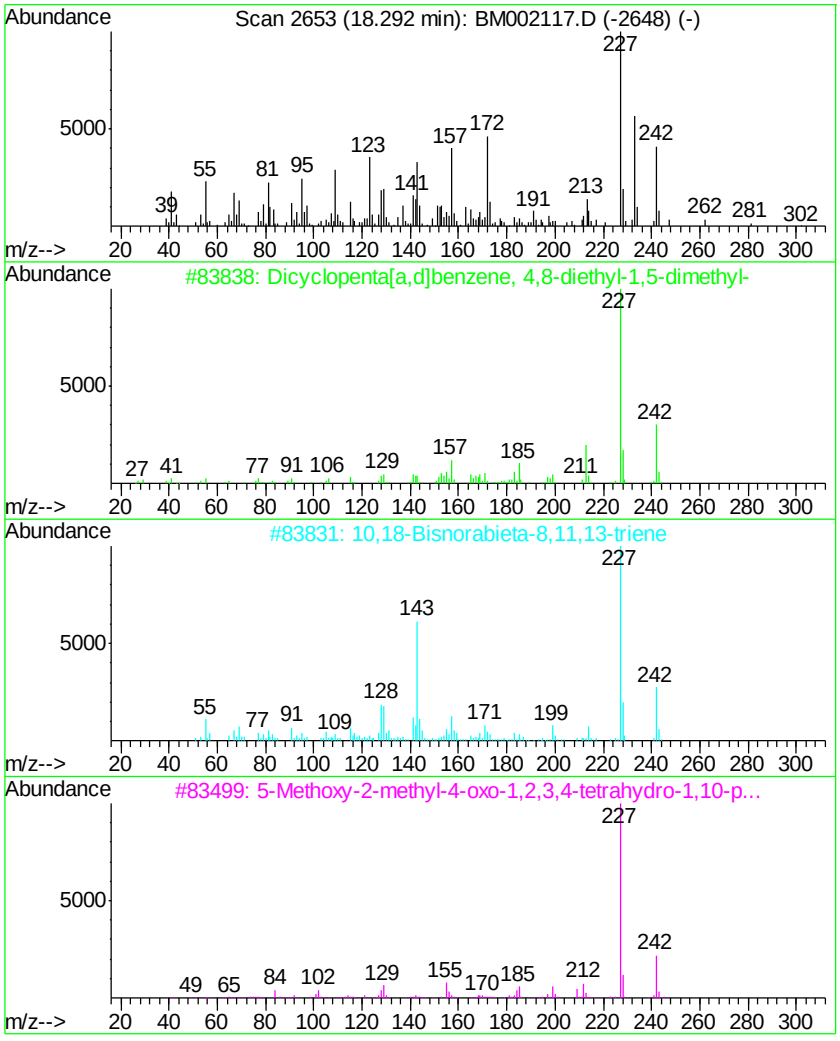
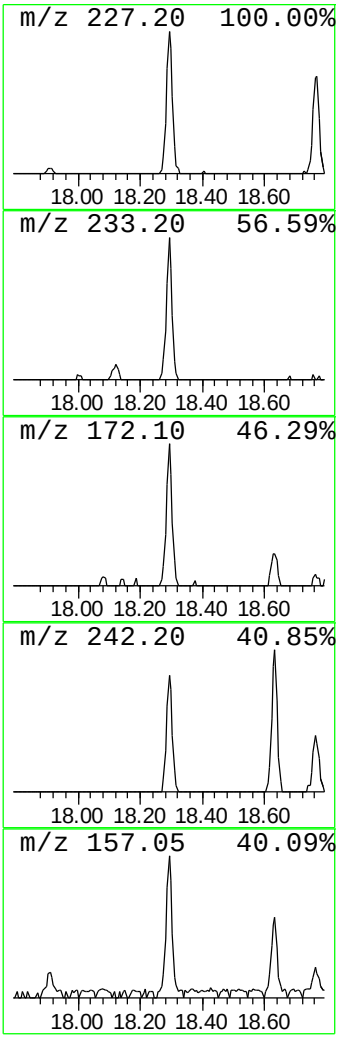
Peak Number 8 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	5.96 ng/ul	266111	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	46
2	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	35
3	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	30
4	2H-Naphtho[2,3-b]pyran-5,10-dion...	242	C15H14O3	004707-33-9	27
5	2-(4-((Trimethylsilyl)oxy)benzyl...	242	C13H14N2OSi	1000297-99-1	27





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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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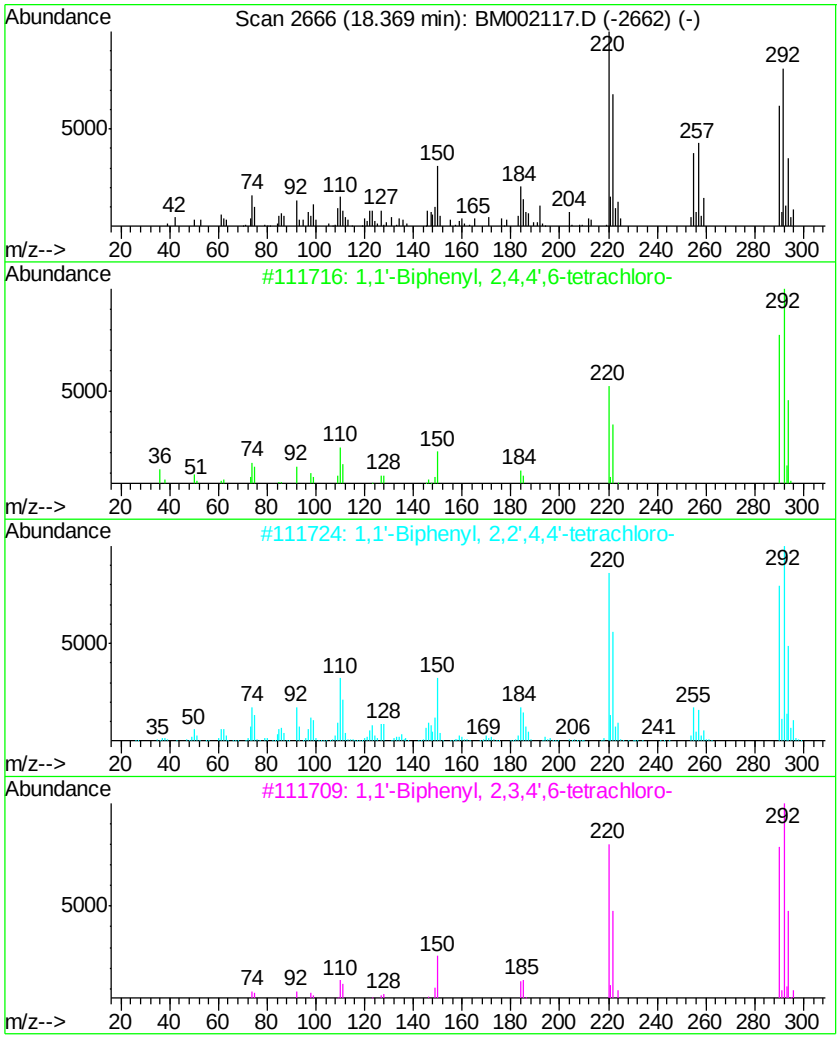
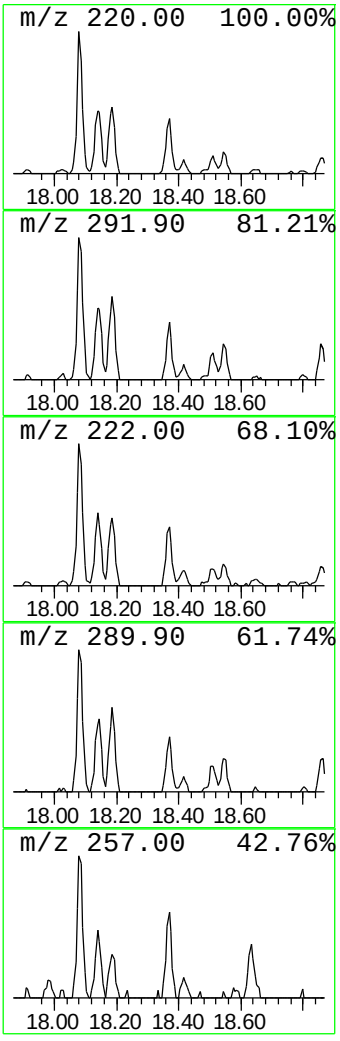
Peak Number 9 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.76 ng/ul	123094	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	99
5	1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	99





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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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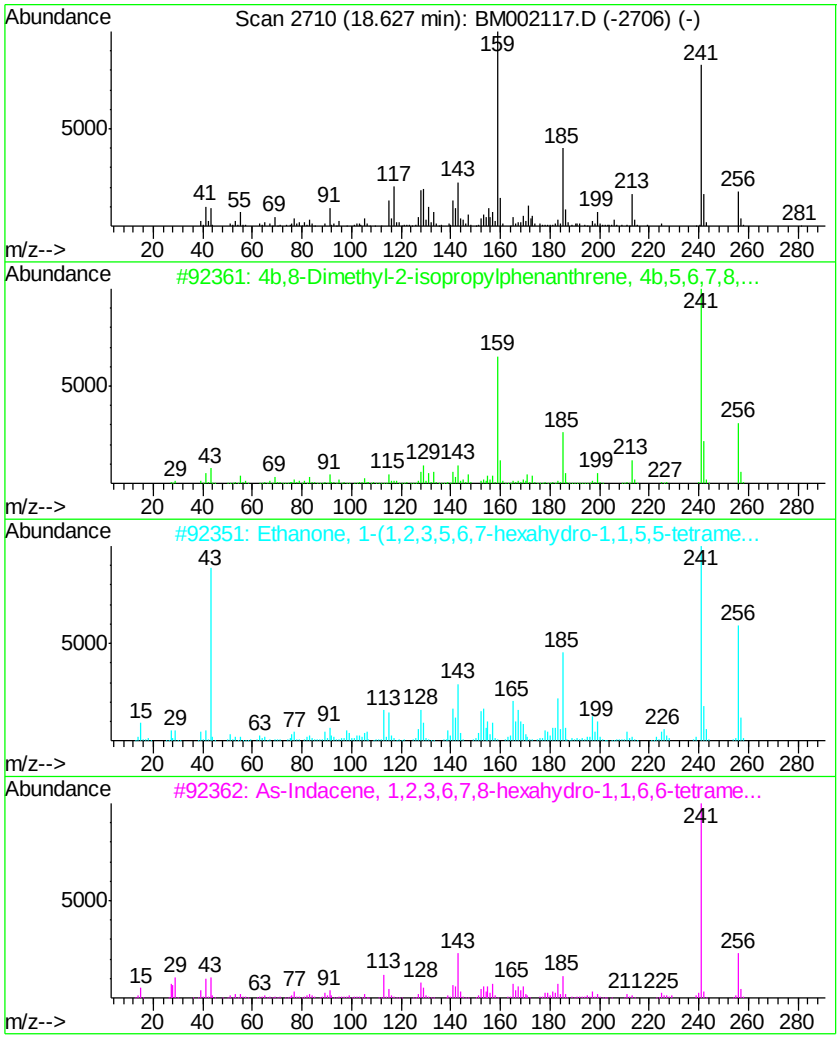
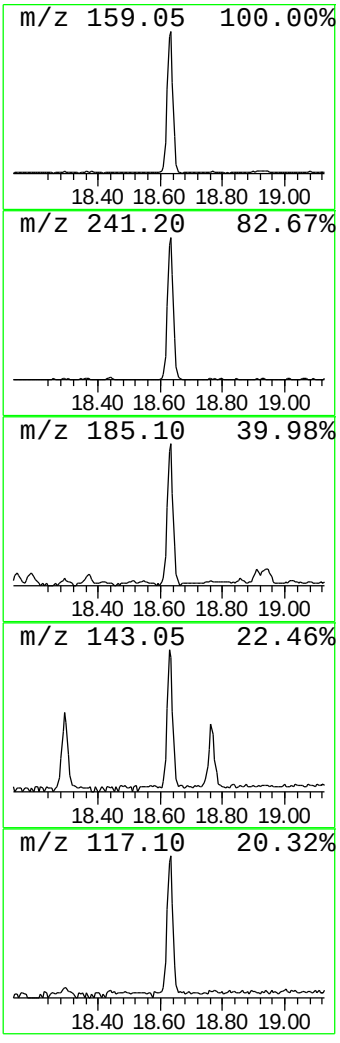
Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	10.96 ng/ul	489368	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	96
2	Ethanone, 1-(1,2,3,5,6,7-hexahyd...	256	C18H24O	056298-80-7	32
3	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	25
5	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	22





Library Search Compound Report

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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

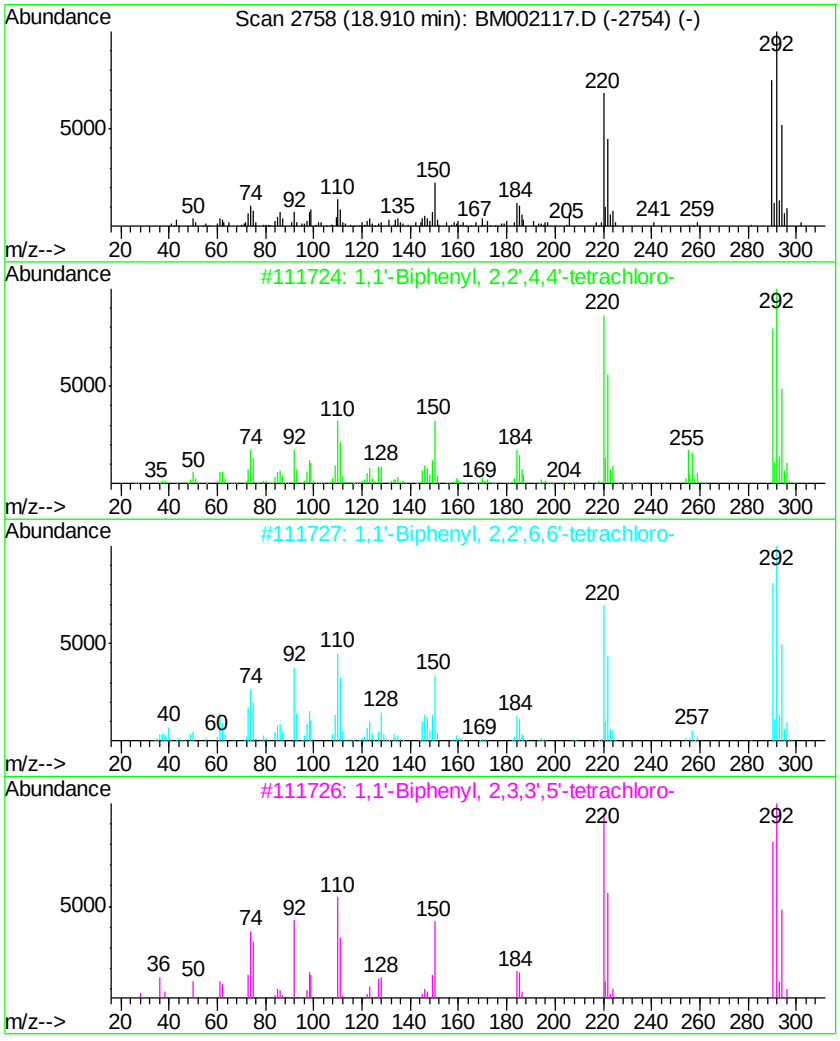
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

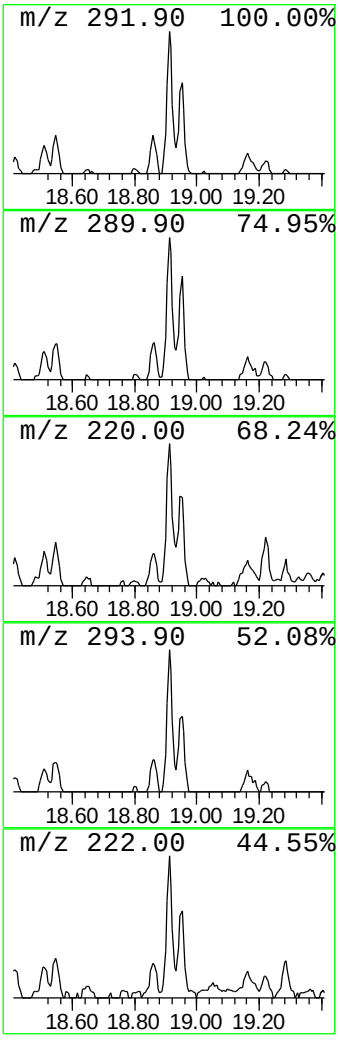
****

Peak Number 11 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	3.66 ng/ul	163245	Phenanthrene-d10	17.01

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

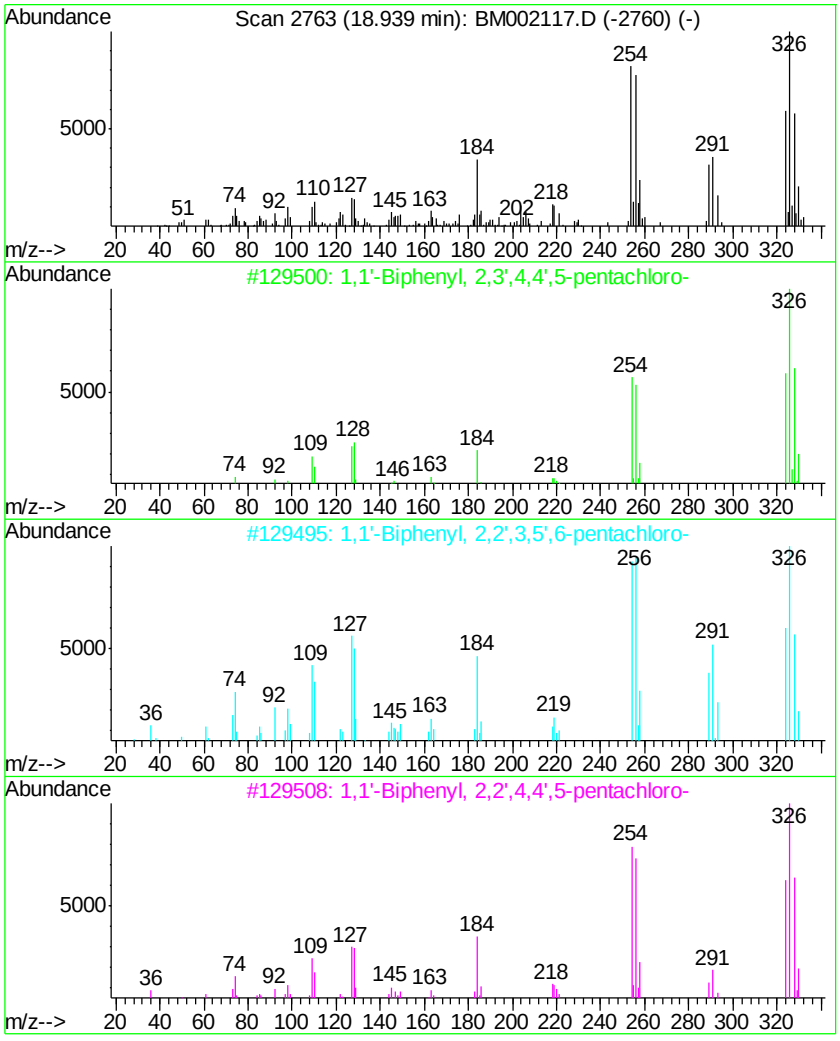
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

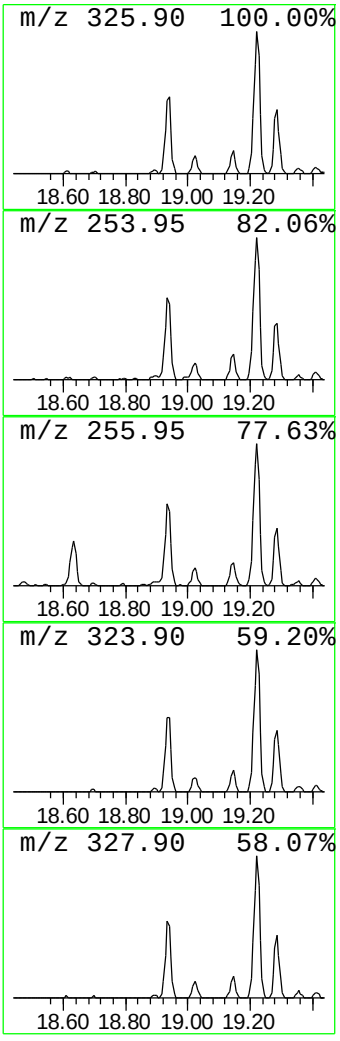
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.95 ng/ul	399394	Phenanthrene-d10	17.01

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, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





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Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

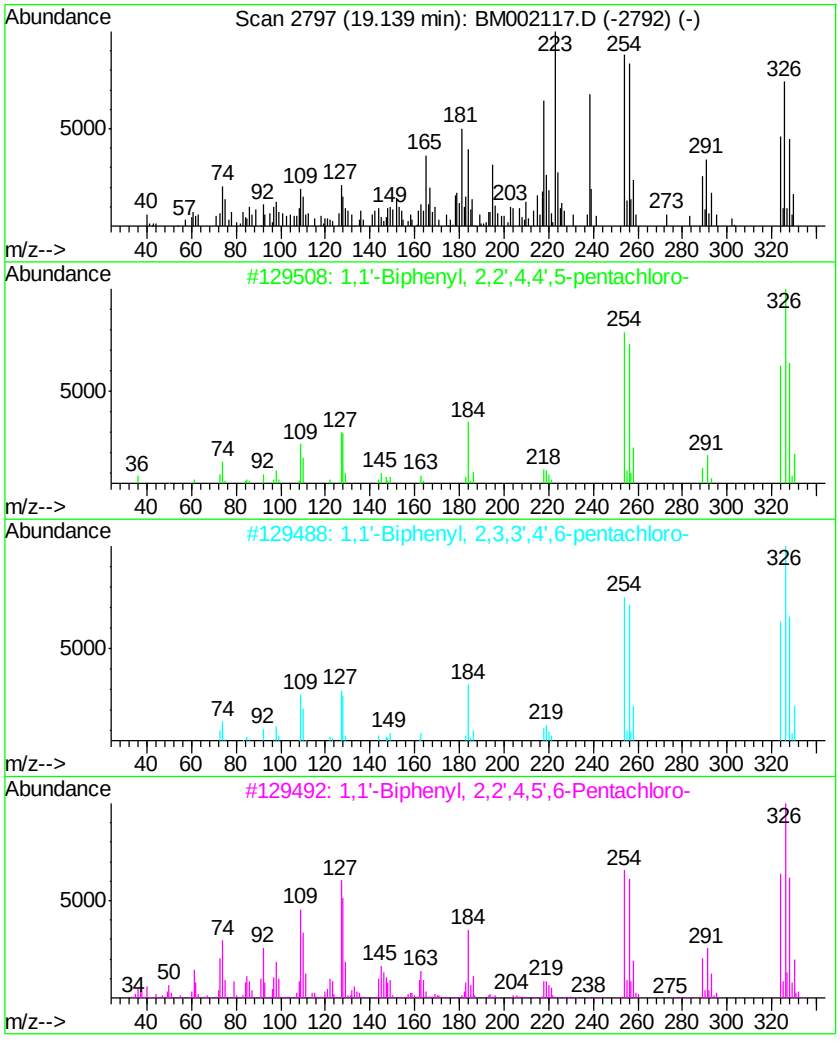
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

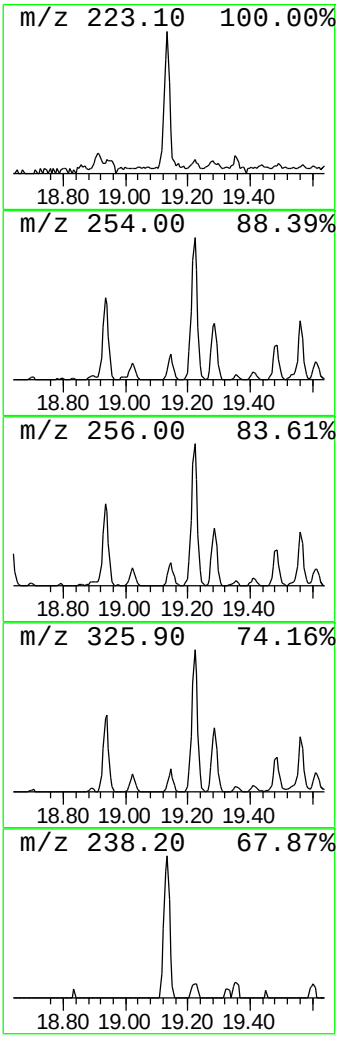
****

Peak Number 13 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.21 ng/ul	210778	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95
3	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	89
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	89
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	89





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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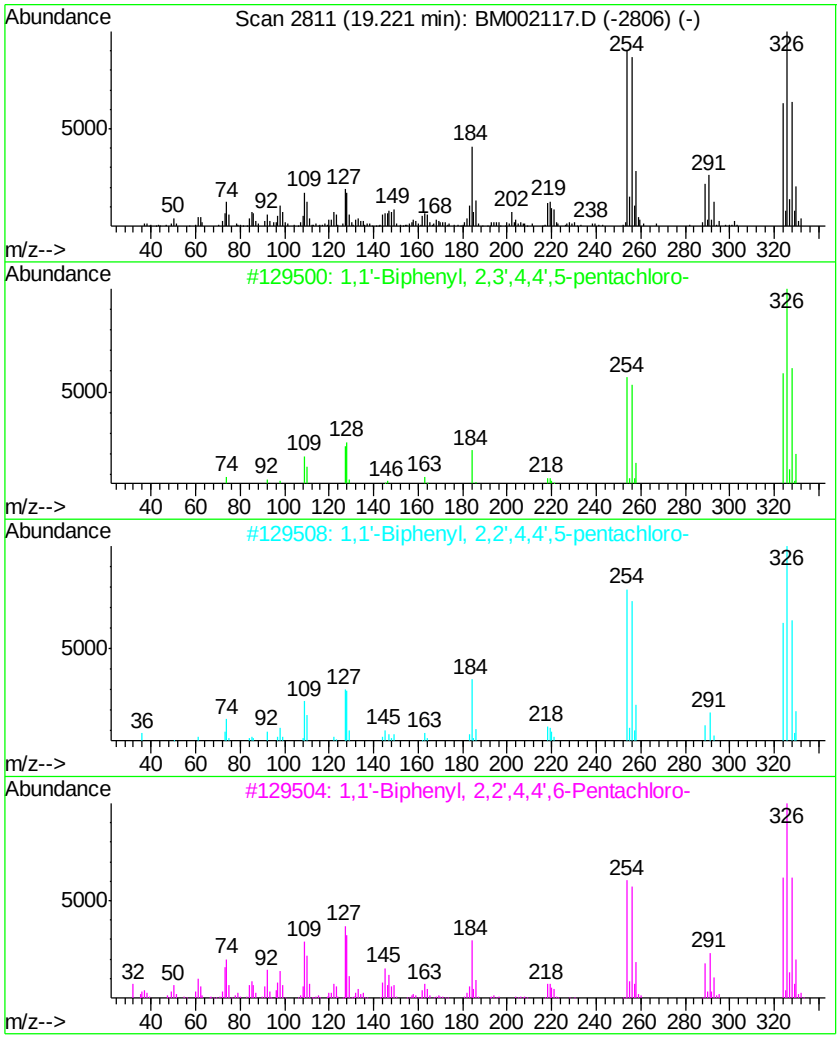
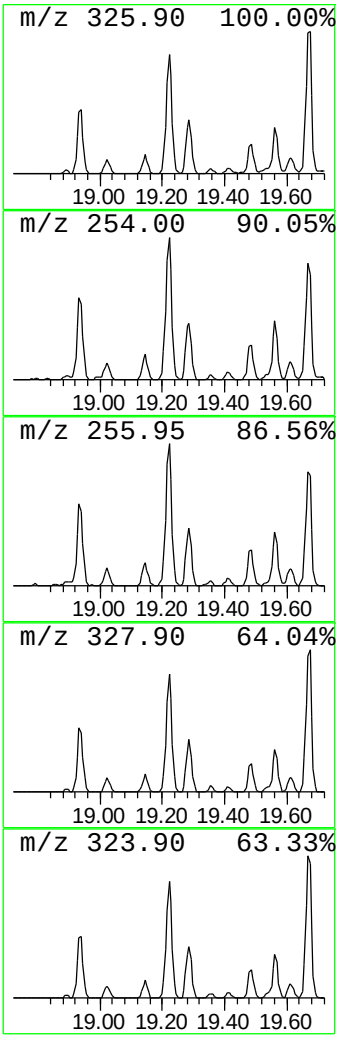
Peak Number 14 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	5.99 ng/ul	570681	Chrysene-d12	21.21

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, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99





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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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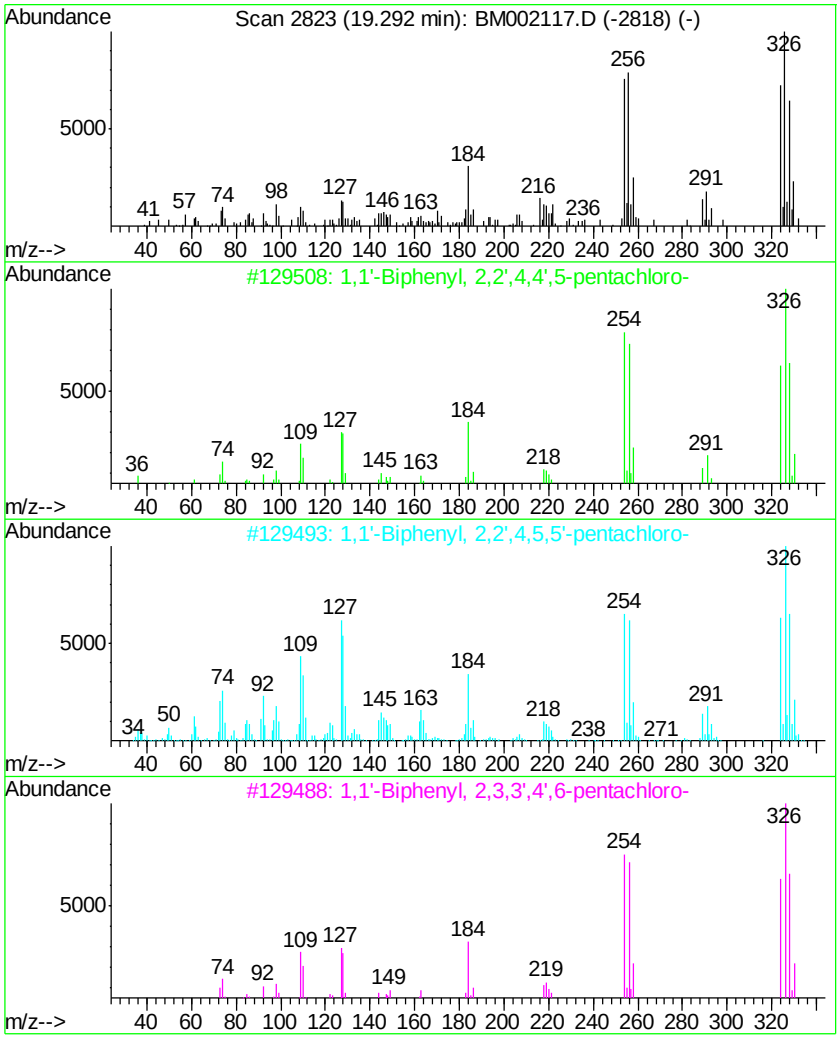
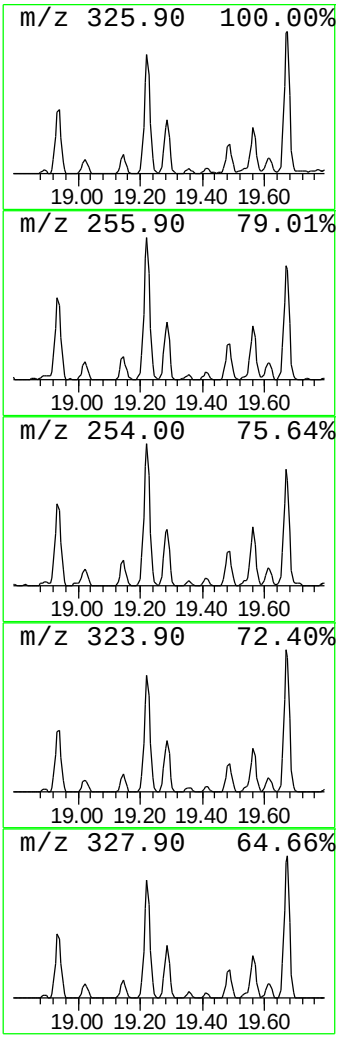
Peak Number 15 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.23 ng/ul	212351	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	96
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95





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Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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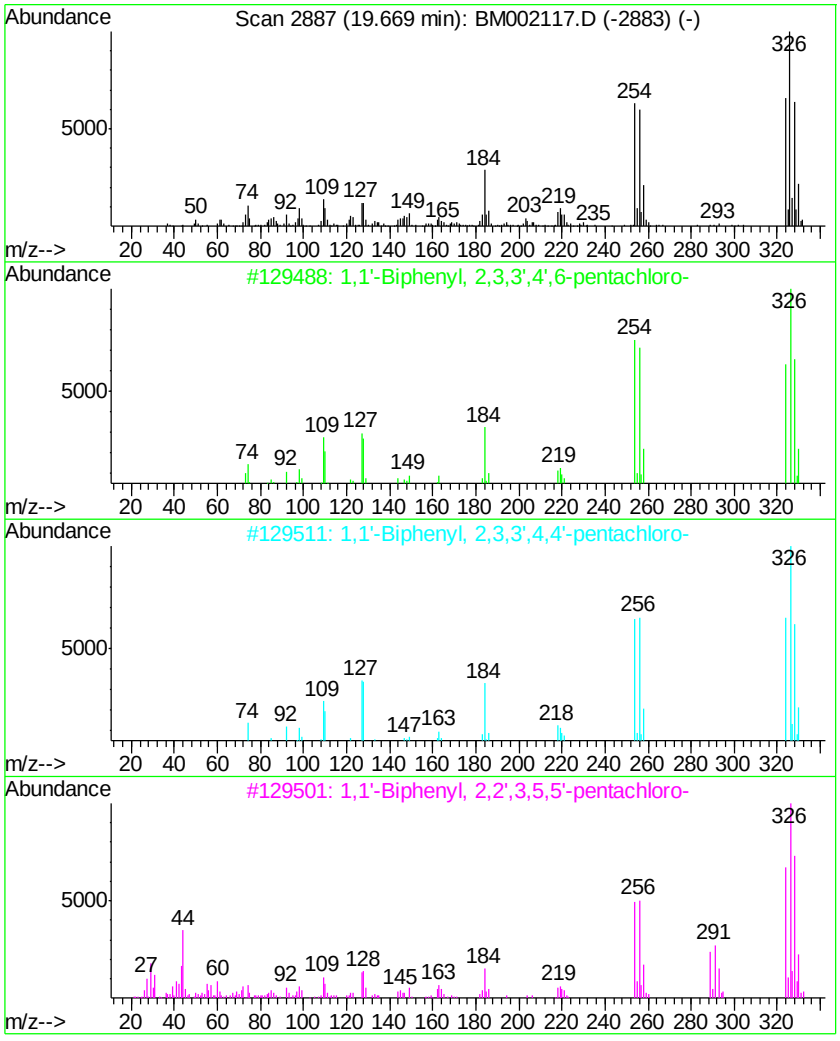
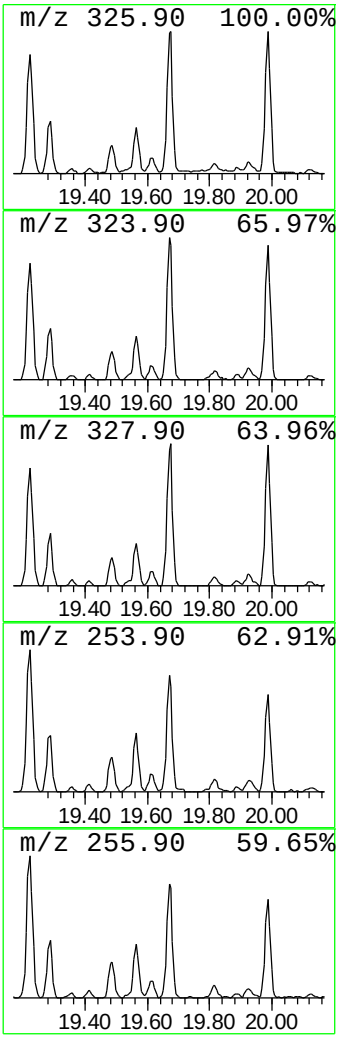
Peak Number 16 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	5.82 ng/ul	554488	Chrysene-d12	21.21

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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96





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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

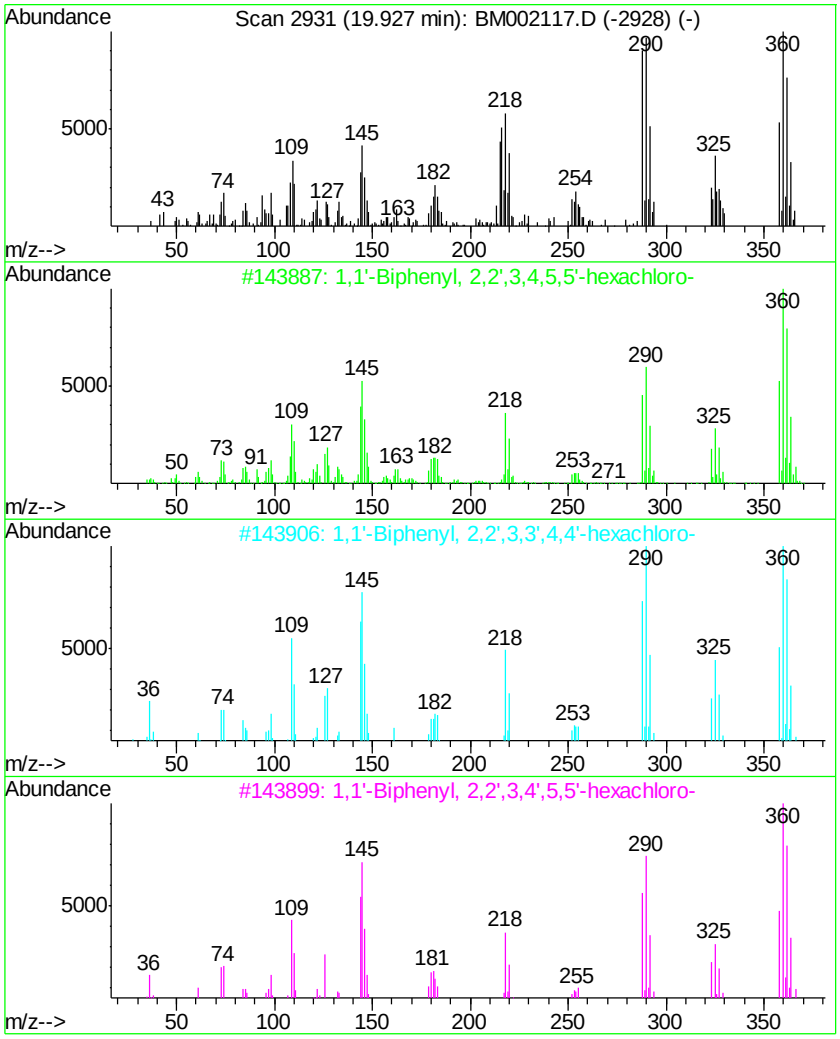
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

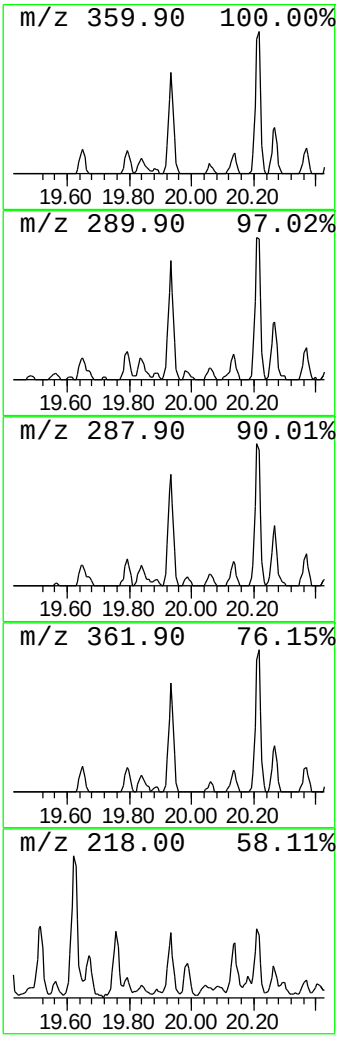
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.91 ng/ul	372498	Chrysene-d12	21.21

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, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	98





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

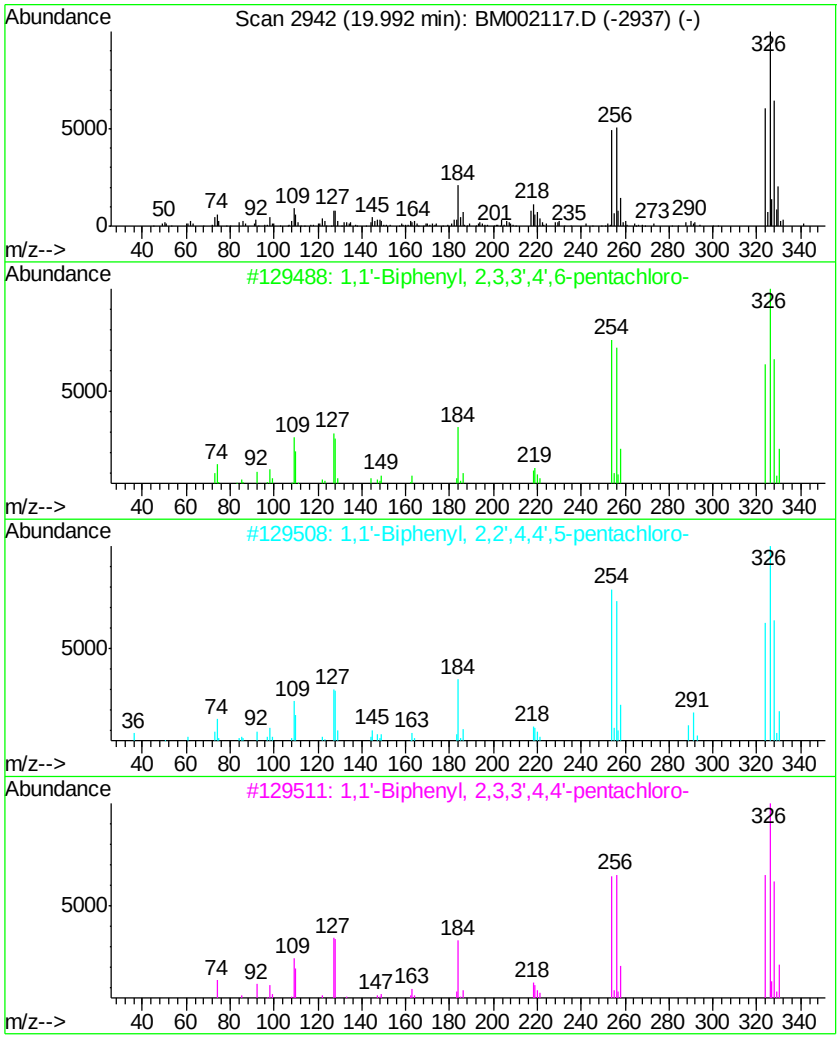
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

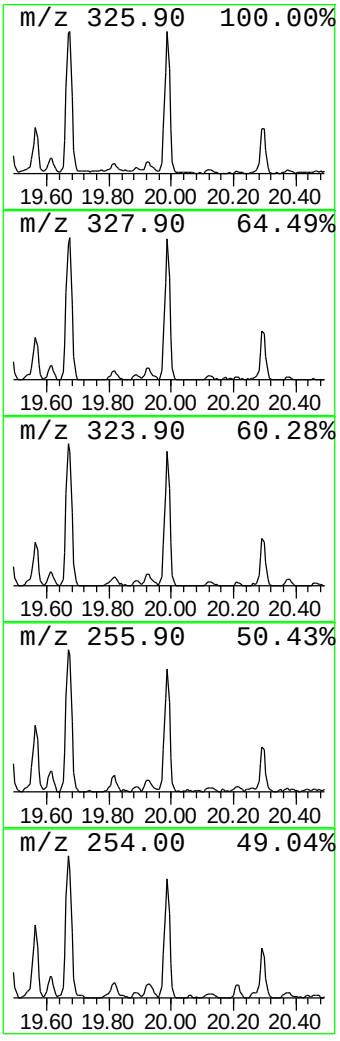
****

Peak Number 18 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.88 ng/ul	369557	Chrysene-d12	21.21

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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96





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Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

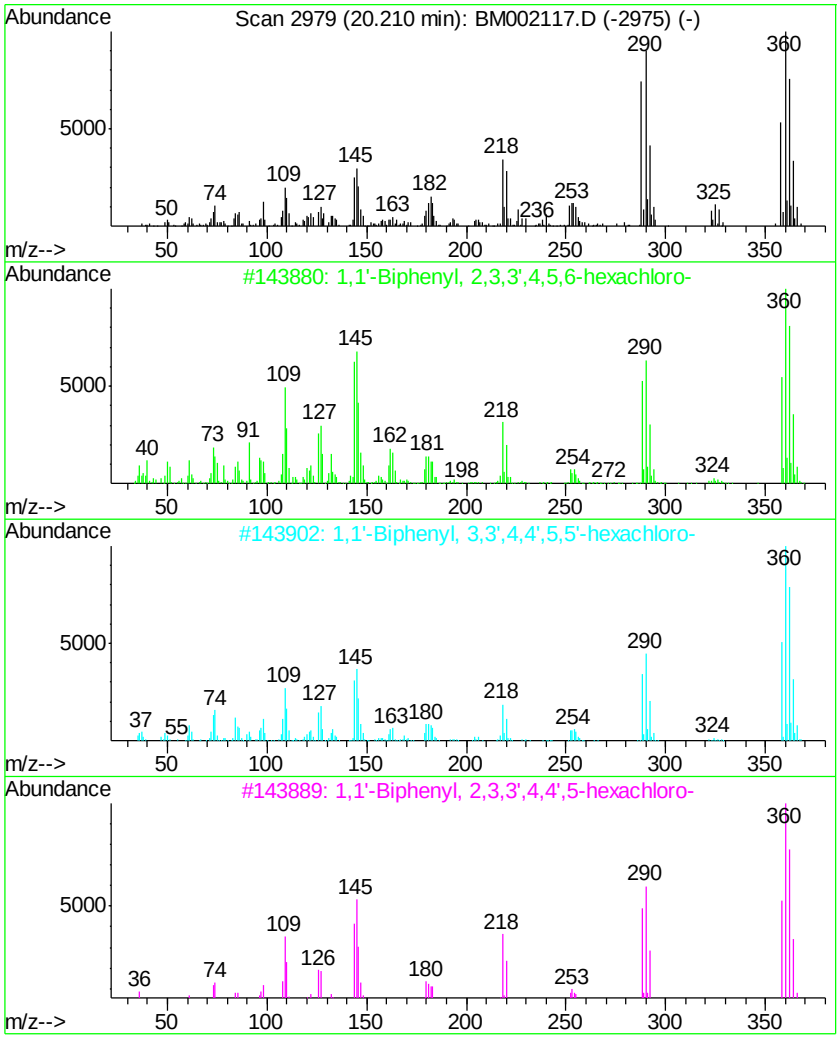
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

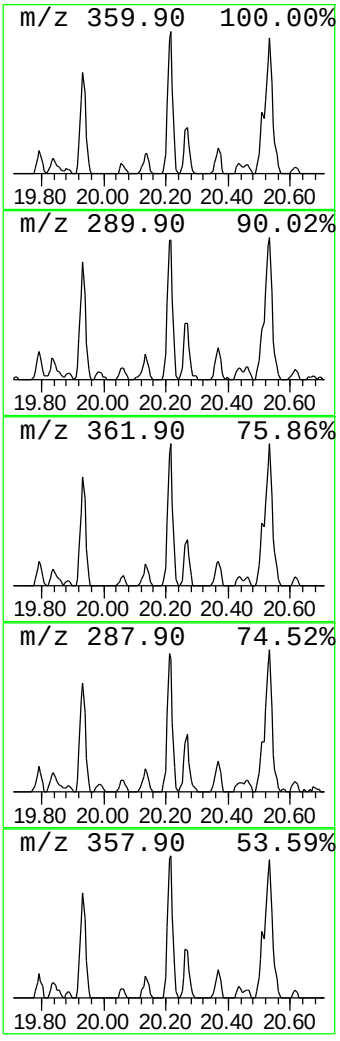
****

Peak Number 19 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	3.53 ng/ul	336176	Chrysene-d12	21.21

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, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	96
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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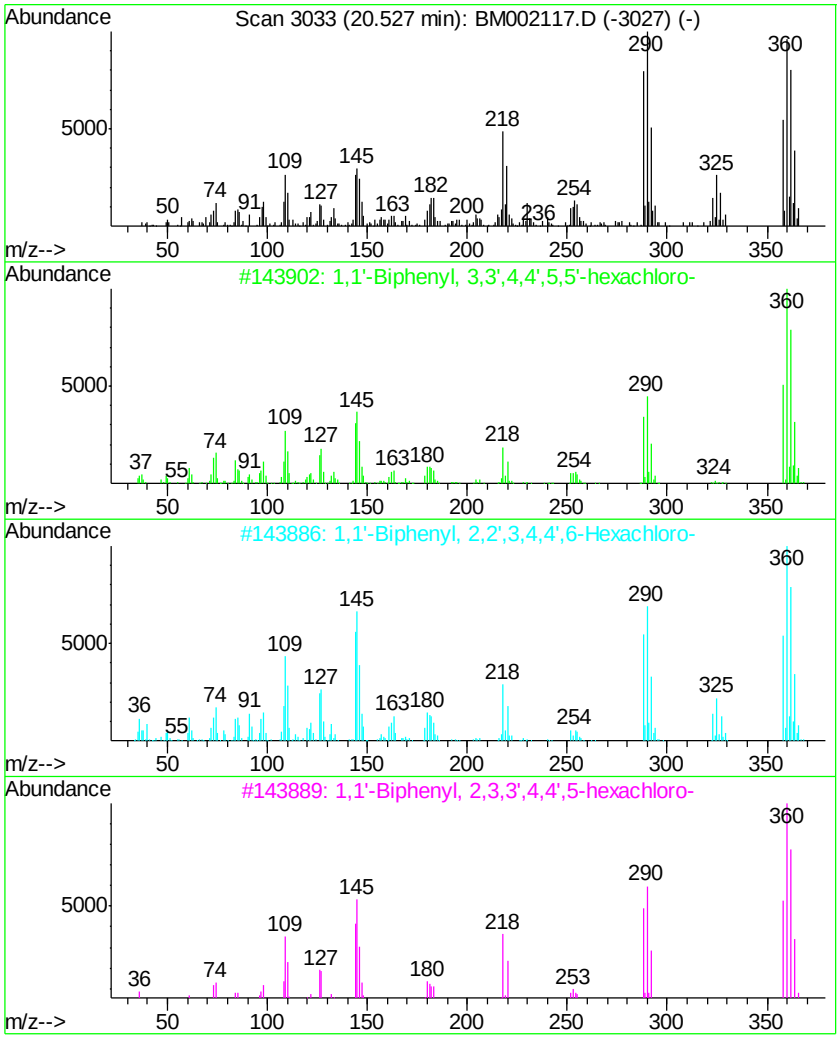
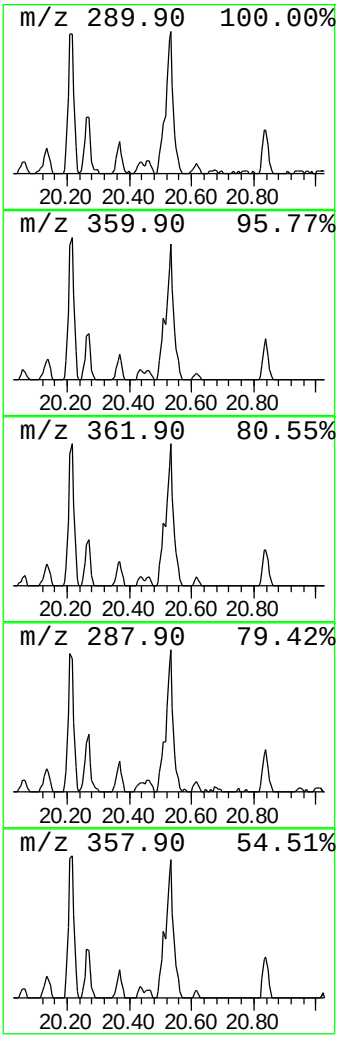
Peak Number 20 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	5.02 ng/ul	477836	Chrysene-d12	21.21

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, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	98





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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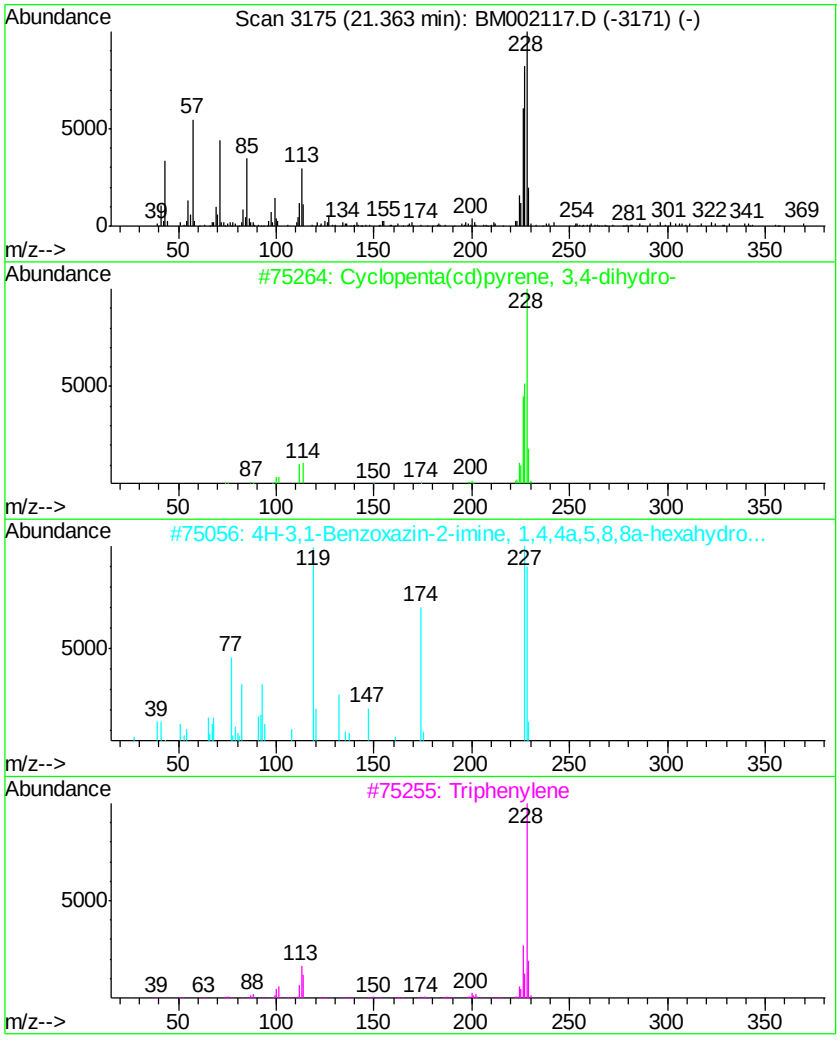
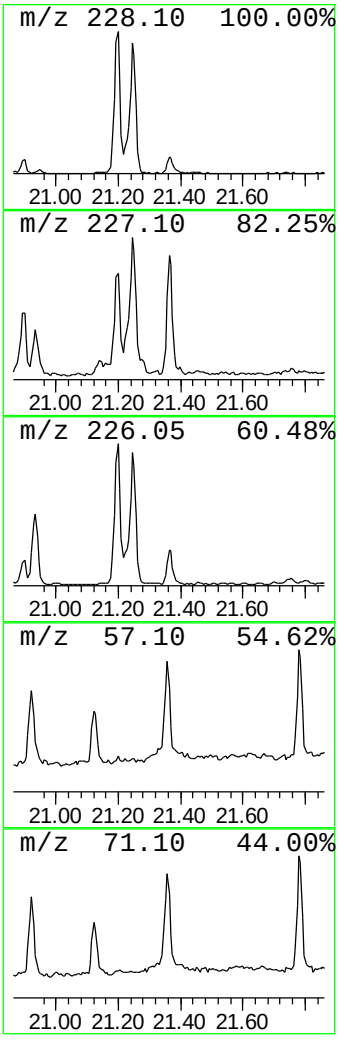
Peak Number 21 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.11 ng/ul	201428	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	55
3	Triphenylene	228	C18H12	000217-59-4	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Chrysene	228	C18H12	000218-01-9	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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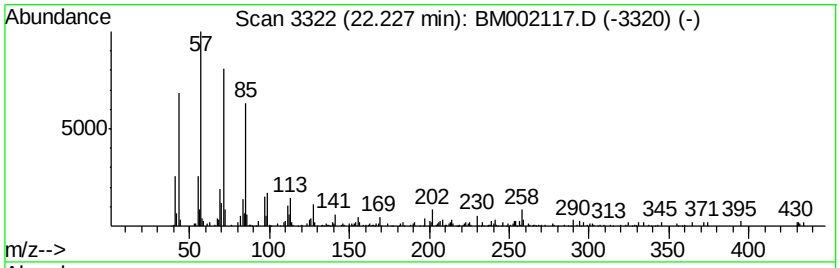
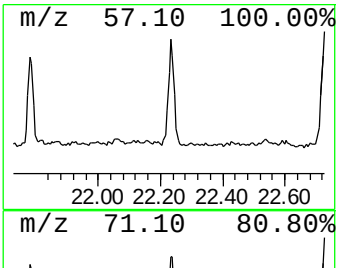
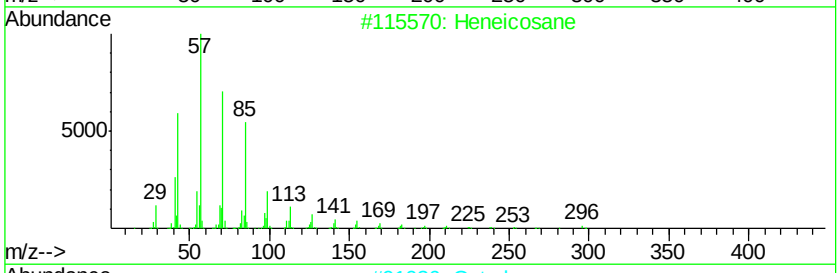
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 17

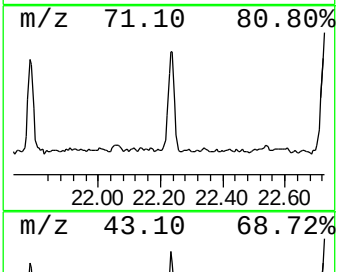
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	2.51 ng/ul	239472	Chrysene-d12	21.21

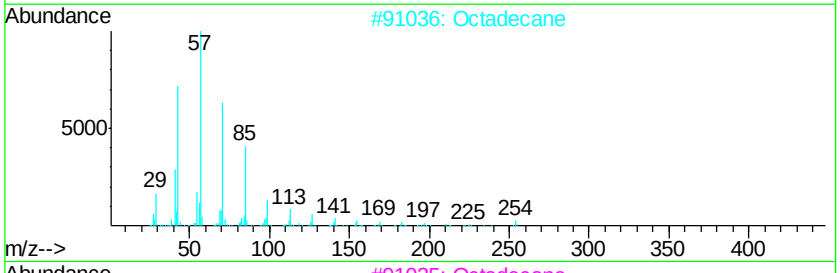
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Octadecane	254	C18H38	000593-45-3	93
3	Octadecane	254	C18H38	000593-45-3	93
4	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87
5	Triacontane	422	C30H62	000638-68-6	87

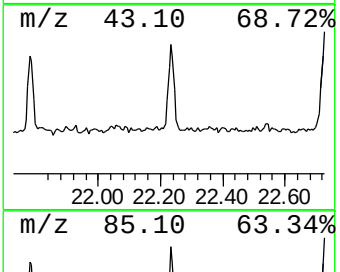


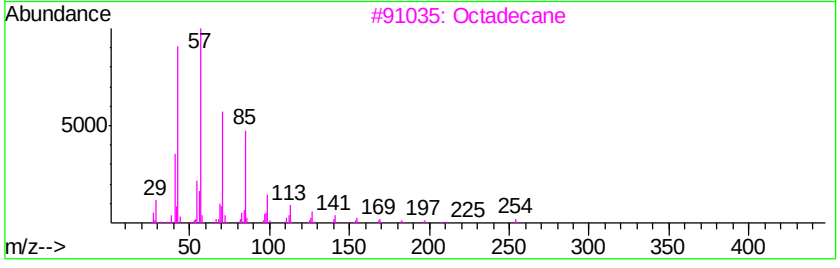


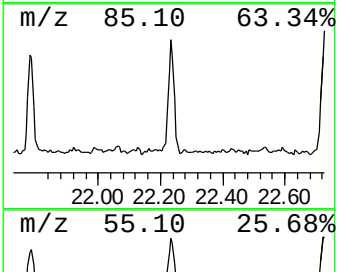


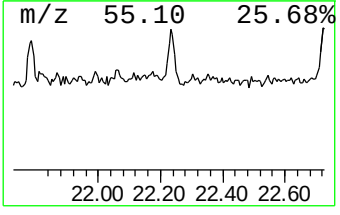












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02E6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
2,6-Octadien-1-ol...	12.80	4.5	ng/ul	155429	3	14.26	696691	20.0
(DEL) Alkane: Str...	16.00	2.0	ng/ul	90578	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	17.61	2.1	ng/ul	95299	4	17.01	892678	20.0
n-Hexadecanoic acid	17.91	4.7	ng/ul	208353	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.08	9.0	ng/ul	403708	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.14	3.6	ng/ul	159381	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.19	3.2	ng/ul	142700	4	17.01	892678	20.0
unknown-01	18.29	6.0	ng/ul	266111	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.37	2.8	ng/ul	123094	4	17.01	892678	20.0
4b,8-Dimethyl-2-i...	18.63	11.0	ng/ul	489368	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.91	3.7	ng/ul	163245	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	18.94	8.9	ng/ul	399394	4	17.01	892678	20.0
1,1'-Biphenyl, 2,...	19.14	2.2	ng/ul	210778	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	19.22	6.0	ng/ul	570681	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	19.29	2.2	ng/ul	212351	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	19.67	5.8	ng/ul	554488	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	19.93	3.9	ng/ul	372498	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	19.99	3.9	ng/ul	369557	5	21.21	1904840	20.0
1,1'-Biphenyl, 2,...	20.21	3.5	ng/ul	336176	5	21.21	1904840	20.0
1,1'-Biphenyl, 3,...	20.53	5.0	ng/ul	477836	5	21.21	1904840	20.0
Cyclopenta(cd)pyr...	21.36	2.1	ng/ul	201428	5	21.21	1904840	20.0
(DEL) Alkane: Str...	22.23	2.5	ng/ul	239472	5	21.21	1904840	20.0