LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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	6.757	687	692	695	rBV	49864	77350	2.77%	0.199%
2	6.910	713	718	723	rBV	38346	56476	2.02%	0.145%
3	7.104	746	751	758	rBB	54894	83264	2.98%	0.214%
4	7.210	759	769	775	rBB	56292	87934	3.14%	0.226%
5	7.569	825	830	840	rVB	79216	121790	4.36%	0.313%
6	8.292	947	953	960	rBB	60822	94896	3.39%	0.244%
7	8.733	1022	1028	1033	rBV	48497	75236	2.69%	0.193%
8	9.451	1145	1150	1157	rBB2	40437	62806	2.25%	0.161%
9	9.992	1236	1242	1251	rBB	66104	101874	3.64%	0.262%
10	10.357	1296	1304	1309	rBV	103932	171233	6.12%	0.440%
11	10.510	1324	1330	1338	rBV2	32879	54881	1.96%	0.141%
12	13.651	1859	1864	1868	rVV	118068	161127	5.76%	0.414%
13	13.698	1868	1872	1878	rVB	47635	65451	2.34%	0.168%
14	13.927	1905	1911	1924	rBV	119130	190982	6.83%	0.490%
15	14.239	1958	1964	1970	rVV2	158564	236654	8.46%	0.608%
16	14.304	1970	1975	1982	rVB	62480	88735	3.17%	0.228%
17	14.474	1995	2004	2012	rBV3	33411	57829	2.07%	0.149%
18	14.639	2027	2032	2038	rVV	38466	54139	1.94%	0.139%
19	15.239	2127	2134	2138	rBV	150362	211882	7.58%	0.544%
20	15.292	2138	2143	2149	rVV	69737	98807	3.53%	0.254%
21	15.498	2174	2178	2183	rVV	91111	119318	4.27%	0.306%
22	16.521	2346	2352	2356	rBV2	68275	97759	3.50%	0.251%
23	16.809	2396	2401	2407	rVB	44491	69557	2.49%	0.179%
24	16.904	2414	2417	2423	rVB	77484	103667	3.71%	0.266%
25	16.992	2426	2432	2435	rBV	226924	345786	12.37%	0.888%
26	17.033	2435	2439	2444	rVV	791802	1101209	39.38%	2.828%
27	17.092	2444	2449	2452	rVV	178869	270588	9.68%	0.695%
28	17.127	2452	2455	2459	rVV	191105	247755	8.86%	0.636%
29	17.168	2459	2462	2470	rVB5	59707	96344	3.45%	0.247%
30	17.404	2498	2502	2506	rVV	77839	114802	4.11%	0.295%
31	17.580	2527	2532	2541	rVB4	85342	177732	6.36%	0.456%
32	17.703	2549	2553	2561	rVB3	93438	136183	4.87%	0.350%
33	17.786	2563	2567	2573	rVB2	55762	72895	2.61%	0.187%
34	17.868	2573	2581	2585	rBV	102818	195194	6.98%	0.501%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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	17.915	2585	2589	2594	rVV	142837	209475	7.49%	0.538%
36	17.998	2599	2603	2608	rVV	74855	101798	3.64%	0.261%
37	18.062	2608	2614	2618	rVV2	486231	698916	24.99%	1.795%
38	18.121	2618	2624	2628	rVV2	193877	329419	11.78%	0.846%
39	18.162	2628	2631	2638	rVB2	154273	221758	7.93%	0.569%
40	18.351	2658	2663	2665	rVV	120455	183017	6.54%	0.470%
41	18.368	2665	2666	2670	rVV	90785	115366	4.13%	0.296%
42	18.421	2672	2675	2678	rVV	63242	85273	3.05%	0.219%
43	18.492	2683	2687	2690	rVV2	56769	79374	2.84%	0.204%
44	18.621	2706	2709	2713	rVB4	38990	53102	1.90%	0.136%
45	18.792	2733	2738	2743	rBV	54854	101343	3.62%	0.260%
46	18.915	2751	2759	2769	rVB4	551205	1128271	40.35%	2.897%
47	19.003	2770	2774	2777	rVB2	61181	76662	2.74%	0.197%
48	19.062	2778	2784	2789	rBV	1333408	1738831	62.18%	4.465%
49	19.127	2789	2795	2799	rBV3	157774	243640	8.71%	0.626%
50	19.203	2803	2808	2814	rVB	768255	998722	35.72%	2.565%
51	19.268	2814	2819	2823	rBV	158139	217730	7.79%	0.559%
52	19.397	2836	2841	2843	rBV3	468626	652450	23.33%	1.675%
53	19.427	2843	2846	2850	rVV	1048333	1328784	47.52%	3.412%
54	19.462	2850	2852	2856	rVB2	98456	109400	3.91%	0.281%
55	19.545	2862	2866	2870	rVB	161783	203063	7.26%	0.521%
56	19.603	2871	2876	2877	rBV3	82923	112187	4.01%	0.288%
57	19.633	2877	2881	2882	rVV	175786	228160	8.16%	0.586%
58	19.656	2882	2885	2892	rVB2	511089	689273	24.65%	1.770%
59	19.774	2896	2905	2909	rBV4	443523	696452	24.91%	1.788%
60	19.821	2909	2913	2918	rVB3	153649	224678	8.03%	0.577%
61	19.921	2924	2930	2935	rVB2	1193494	1677829	60.00%	4.309%
62	19.968	2935	2938	2944	rVB	333179	394313	14.10%	1.013%
63	20.027	2944	2948	2954	rBV	152058	293076	10.48%	0.753%
64	20.086	2954	2958	2961	rVV2	91817	162079	5.80%	0.416%
65	20.121	2961	2964	2968	rVB2	218255	258326	9.24%	0.663%
66	20.197	2972	2977	2981	rVV	1341613	1587585	56.77%	4.077%
67	20.250	2982	2986	2989	rVV	407693	521979	18.67%	1.340%
68	20.280	2989	2991	2997	rVB3	156095	168680	6.03%	0.433%
69	20.356	2999	3004	3008	rBV2	436039	637402	22.79%	1.637%
70	20.397	3008	3011	3015	rVB	90609	97518	3.49%	0.250%
71	20.444	3016	3019	3023	rVB2	115888	131905	4.72%	0.339%

LSC Area Percent Report

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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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	20.515	3023	3031	3037	rBV	959845	1825974	65.30%	4.689%
73	20.562	3037	3039	3042	rVB2	87658	97723	3.49%	0.251%
74	20.662	3048	3056	3063	rBV2	581611	877021	31.36%	2.252%
75	20.727	3063	3067	3072	rVB2	249794	312372	11.17%	0.802%
76	20.827	3079	3084	3086	rBV3	188573	282445	10.10%	0.725%
77	20.880	3090	3093	3097	rVV	196923	245919	8.79%	0.632%
78	20.933	3097	3102	3106	rVV3	581462	746756	26.70%	1.918%
79	20.986	3106	3111	3117	rVB3	344947	534146	19.10%	1.372%
80	21.044	3117	3121	3124	rBV	125107	171572	6.14%	0.441%
81	21.080	3124	3127	3129	rBV2	74668	93072	3.33%	0.239%
82	21.109	3129	3132	3135	rVB	142431	144499	5.17%	0.371%
83	21.144	3135	3138	3140	rBV2	75265	80602	2.88%	0.207%
84	21.186	3140	3145	3148	rBV2	752164	1199827	42.91%	3.081%
85	21.221	3148	3151	3163	rVB2	1331242	2294535	82.06%	5.892%
86	21.333	3166	3170	3172	rBV	133732	177842	6.36%	0.457%
87	21.527	3199	3203	3209	rVB3	437048	604175	21.61%	1.551%
88	21.586	3209	3213	3217	rVB3	201278	267936	9.58%	0.688%
89	21.650	3220	3224	3228	rBV4	201584	273336	9.77%	0.702%
90	21.691	3228	3231	3234	rBV2	79855	95498	3.42%	0.245%
91	21.768	3240	3244	3252	rVB	2416313	2796323	100.00%	7.181%
92	21.839	3253	3256	3262	rVB4	110657	161046	5.76%	0.414%
93	22.203	3315	3318	3325	rVB6	173389	309006	11.05%	0.794%
94	22.738	3404	3409	3414	rBV	452693	969129	34.66%	2.489%
95	22.903	3434	3437	3444	rVB	78171	123048	4.40%	0.316%
96	23.209	3484	3489	3493	rBV	250590	424943	15.20%	1.091%
97	23.256	3494	3497	3500	rVV	160836	236991	8.48%	0.609%
98	23.303	3500	3505	3513	rVB	405514	696031	24.89%	1.787%
99	23.397	3516	3521	3525	rBV	181762	319524	11.43%	0.821%
100	25.603	3891	3896	3906	rVB2	198392	520588	18.62%	1.337%

Sum of corrected areas: 38941850

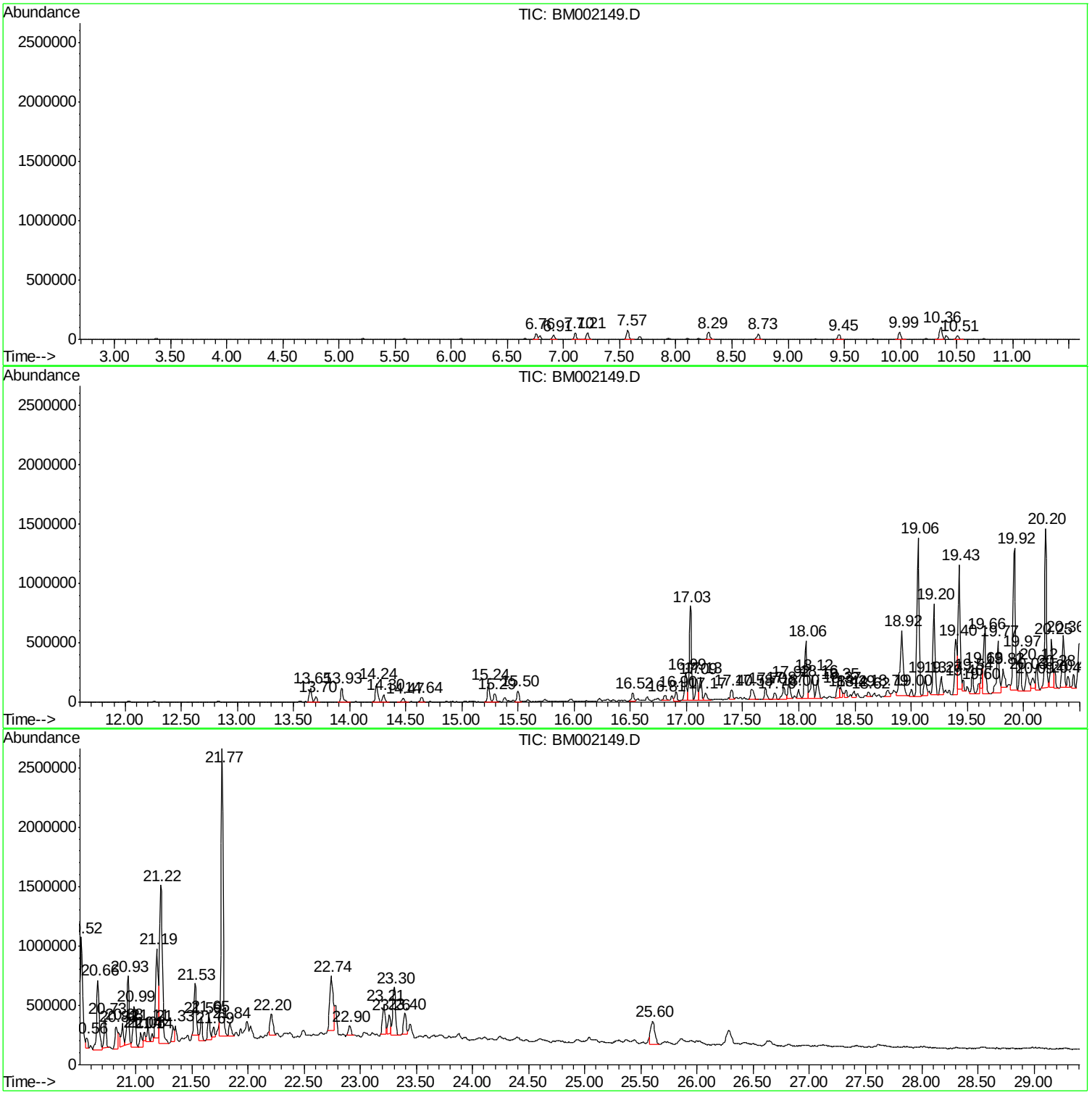
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

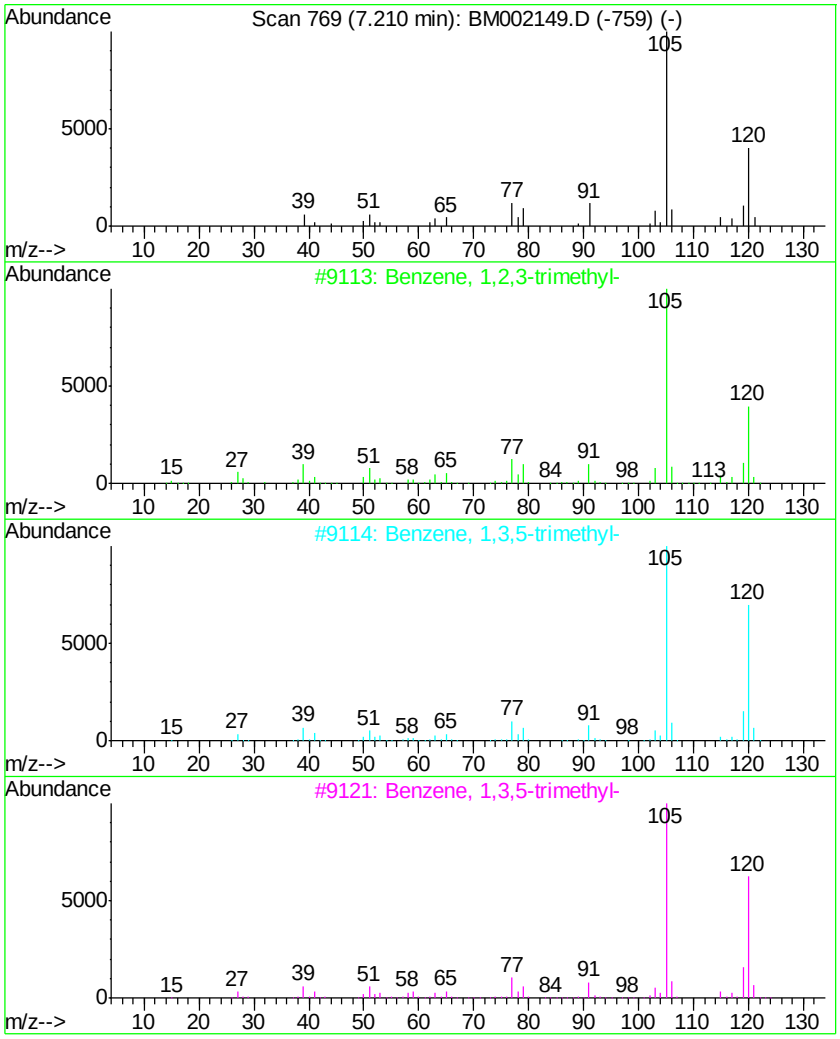
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

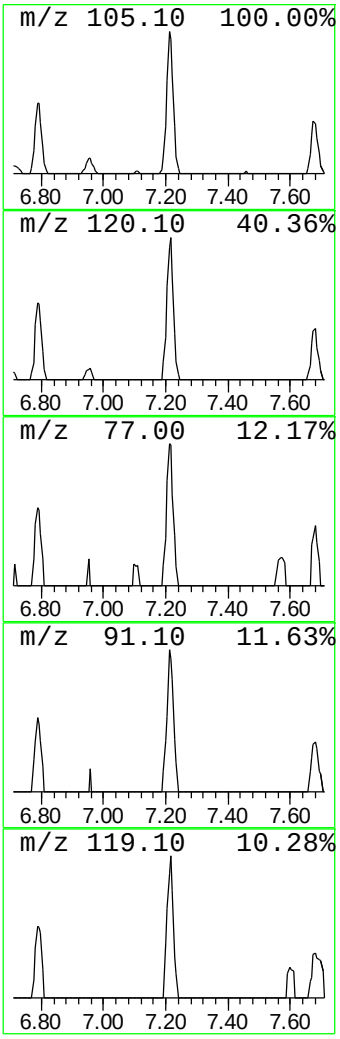
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	14.44 ng/ul	87934	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

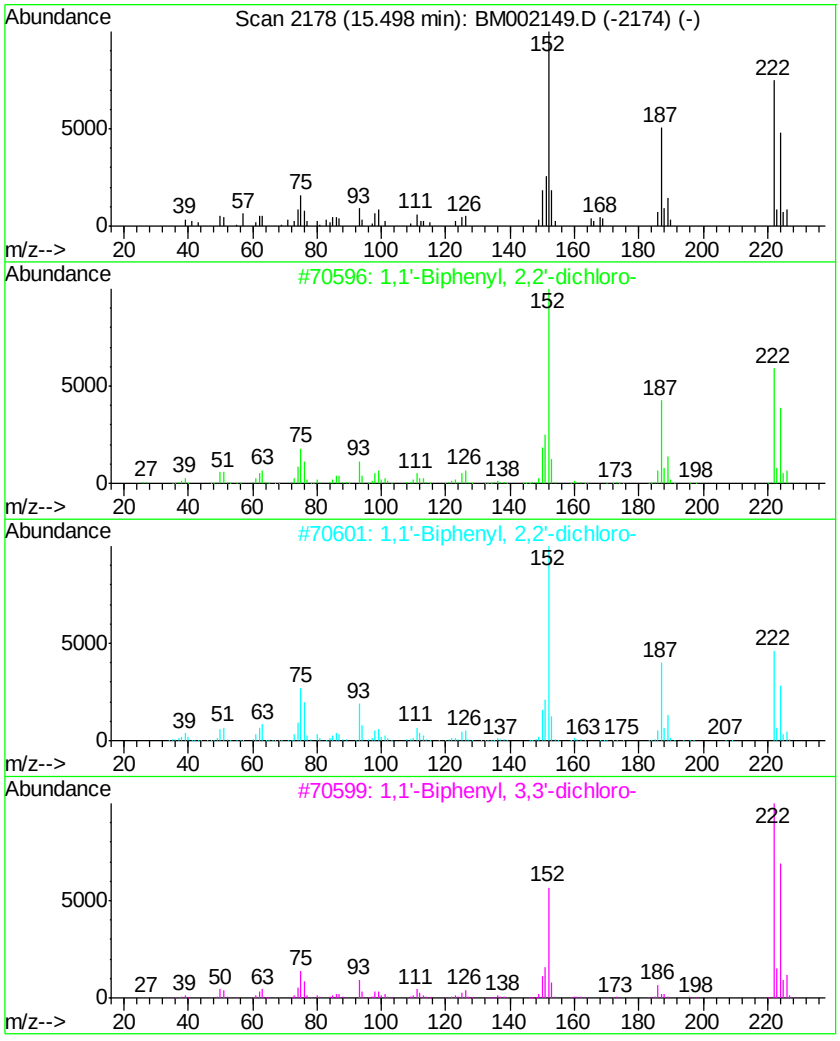
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

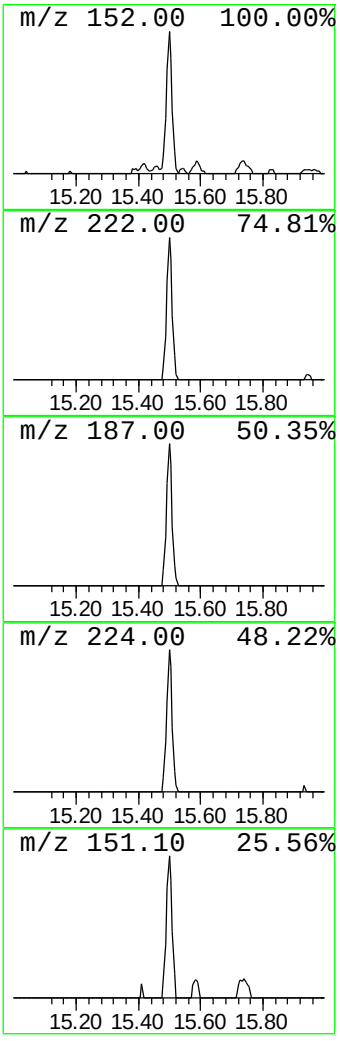
****

Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	10.08 ng/ul	119318	Acenaphthene-d10	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	92
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	92





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

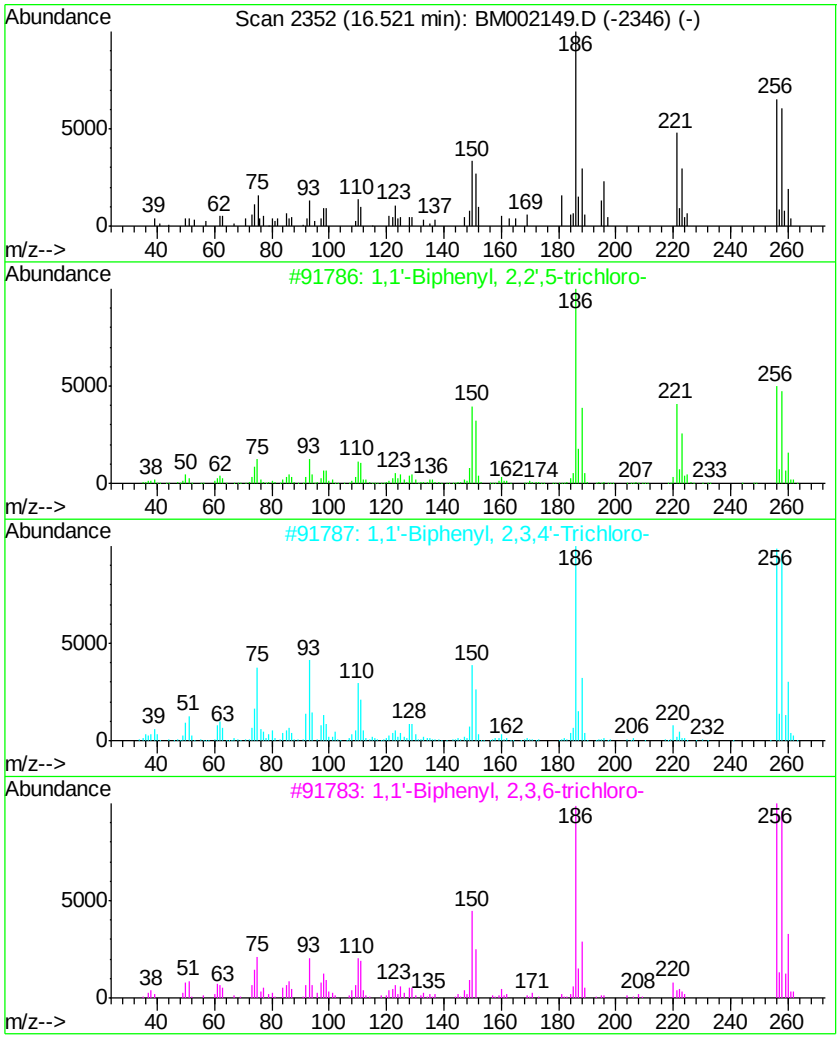
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

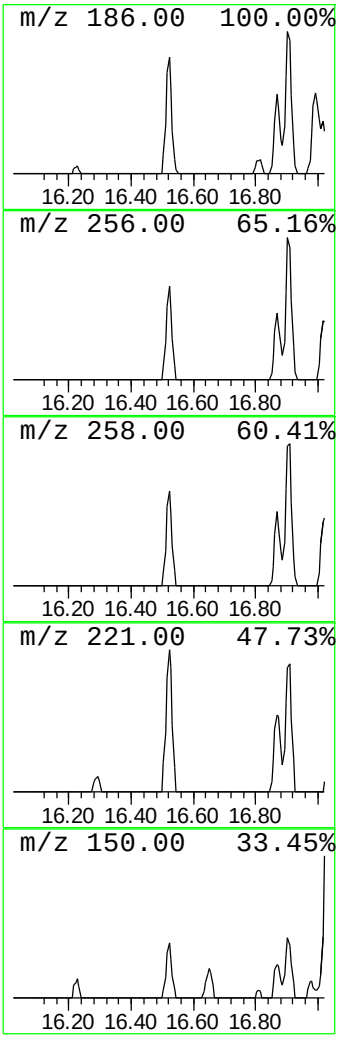
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	5.65 ng/ul	97759	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	97
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	96
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
5	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

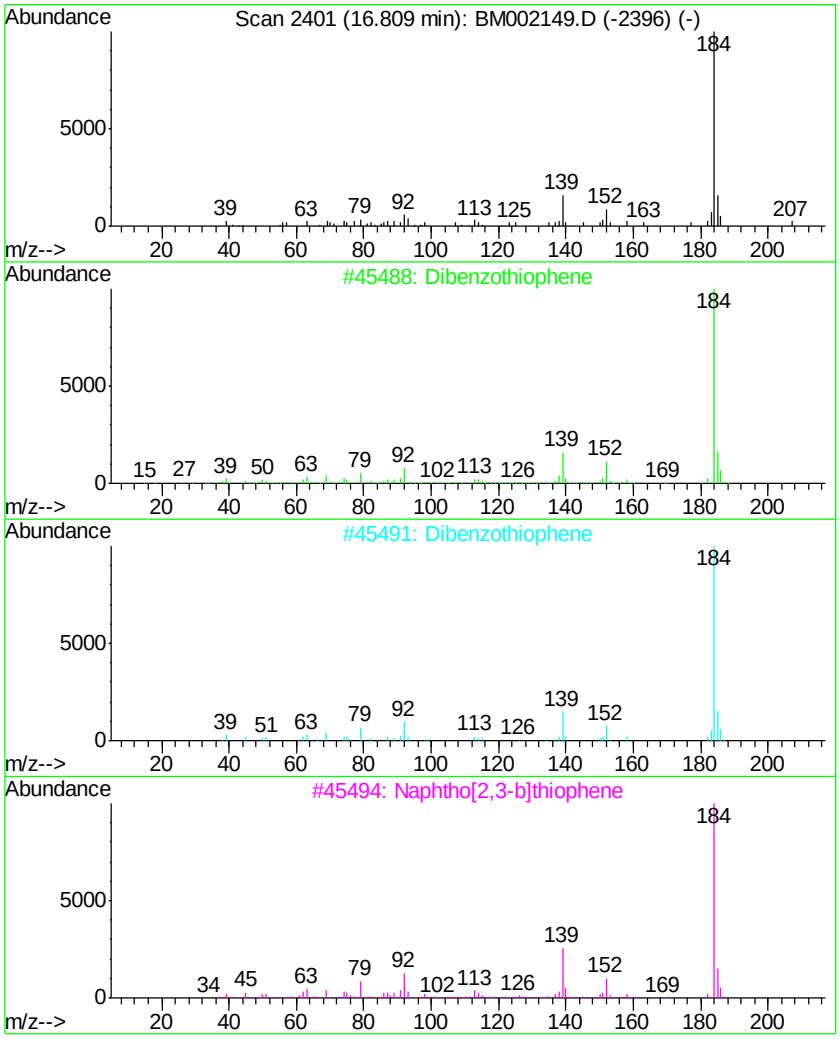
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

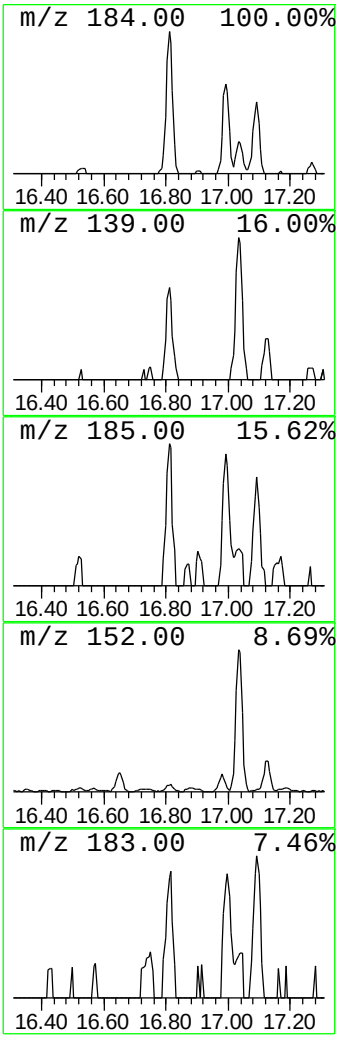
****

Peak Number 4 Dibenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	4.02 ng/ul	69557	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

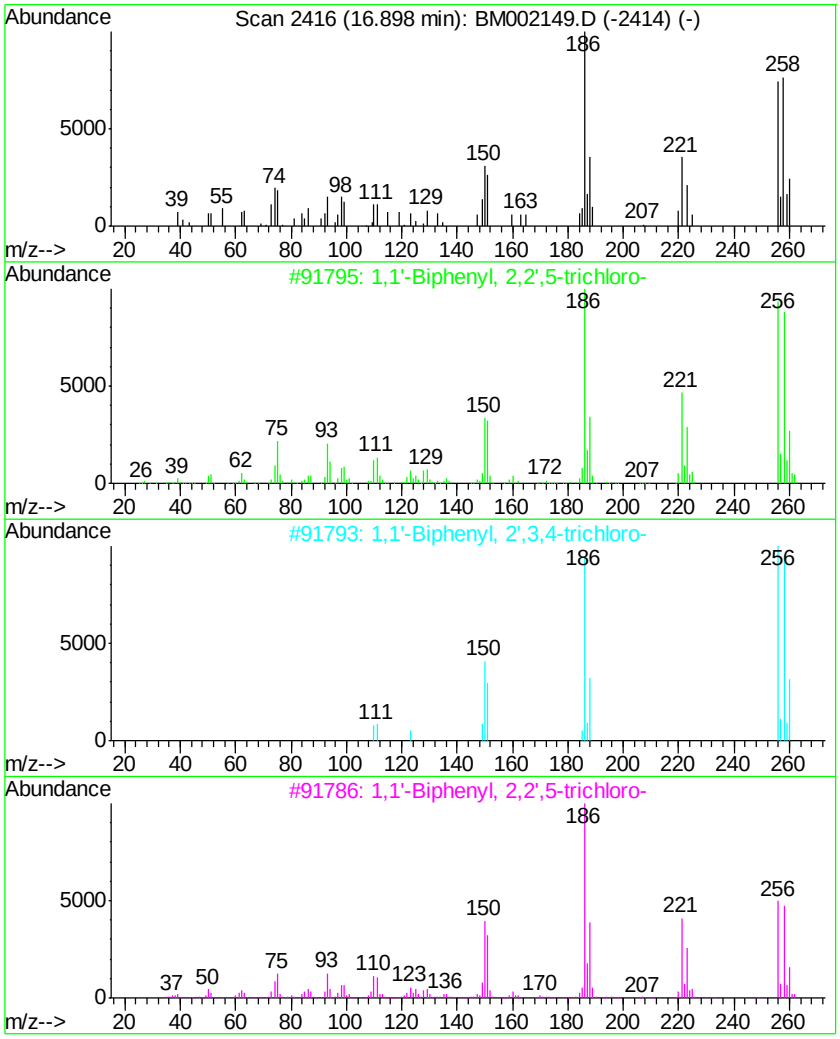
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

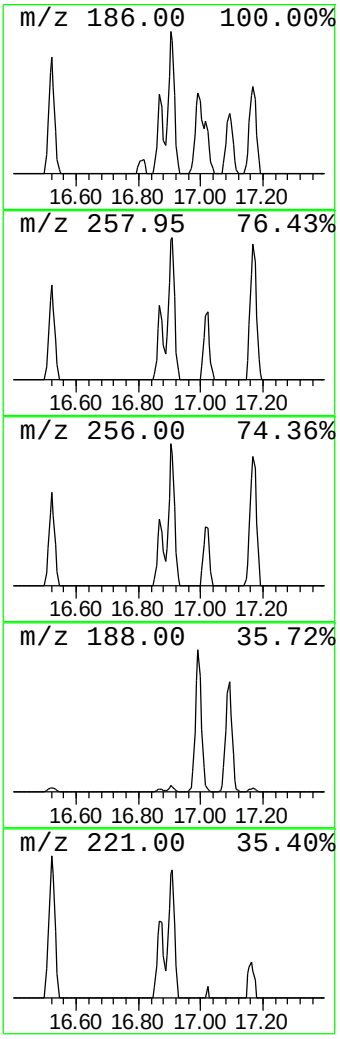
****

Peak Number 5 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	6.00 ng/ul	103667	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	97
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
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\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

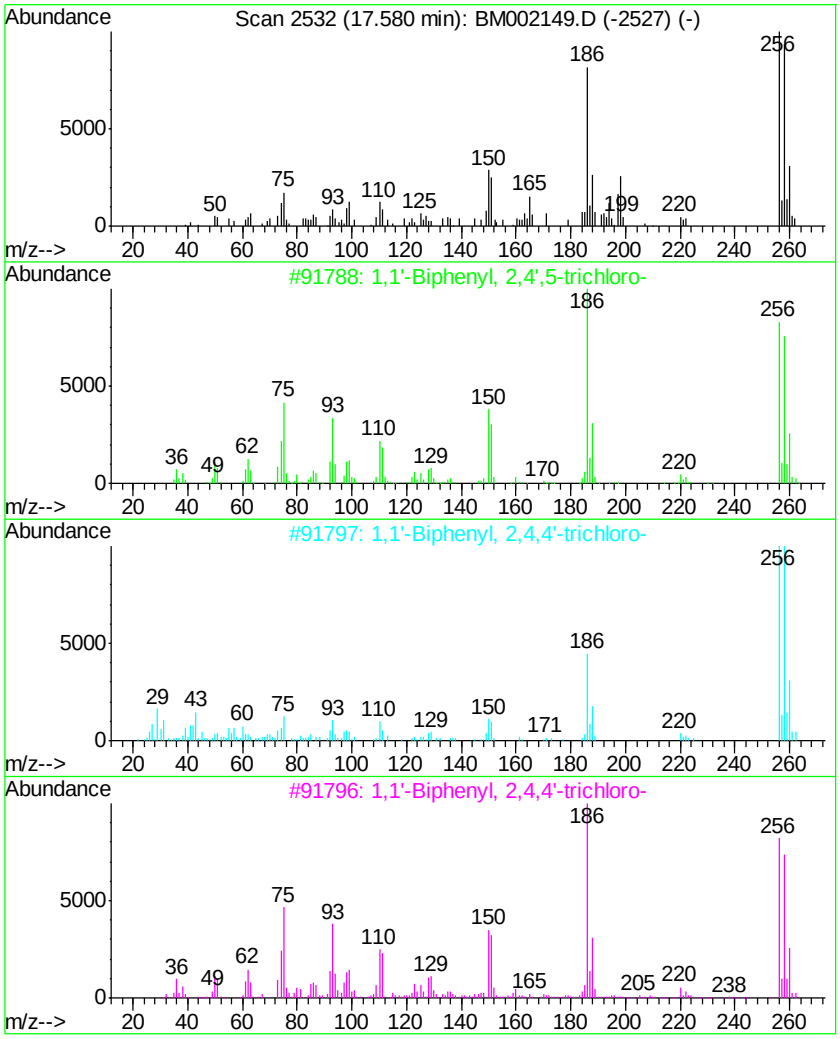
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

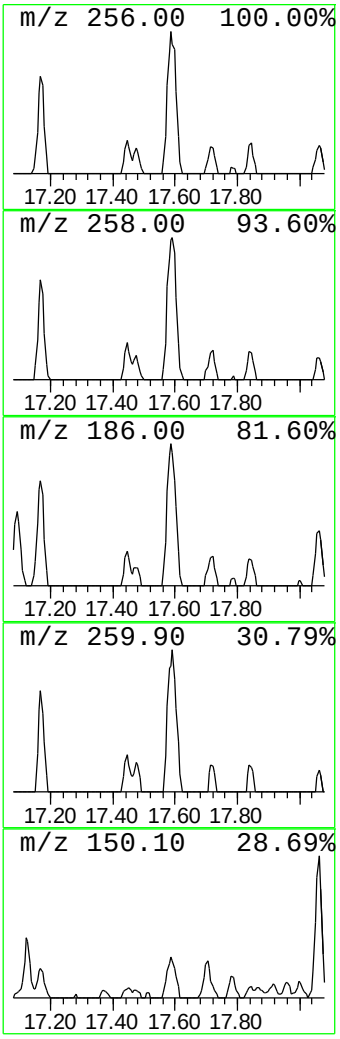
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	10.28 ng/ul	177732	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	94
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	94
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	94





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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

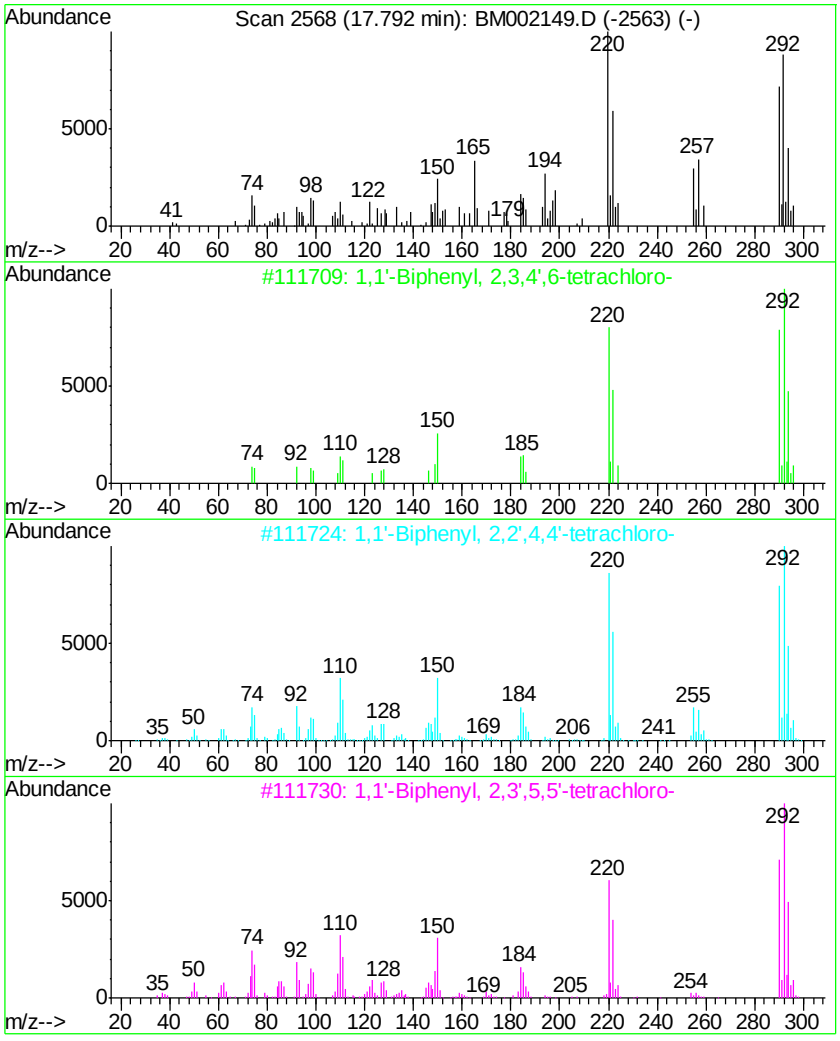
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

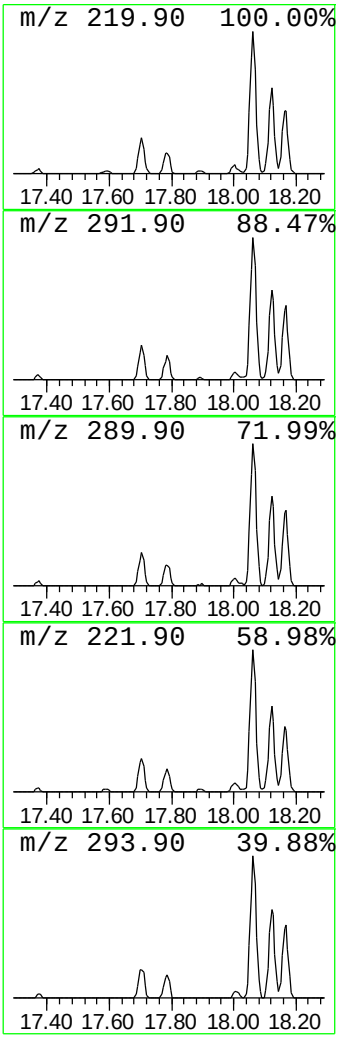
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	4.22 ng/ul	72895	Phenanthrene-d10	16.99

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, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	98
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	94
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94





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Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

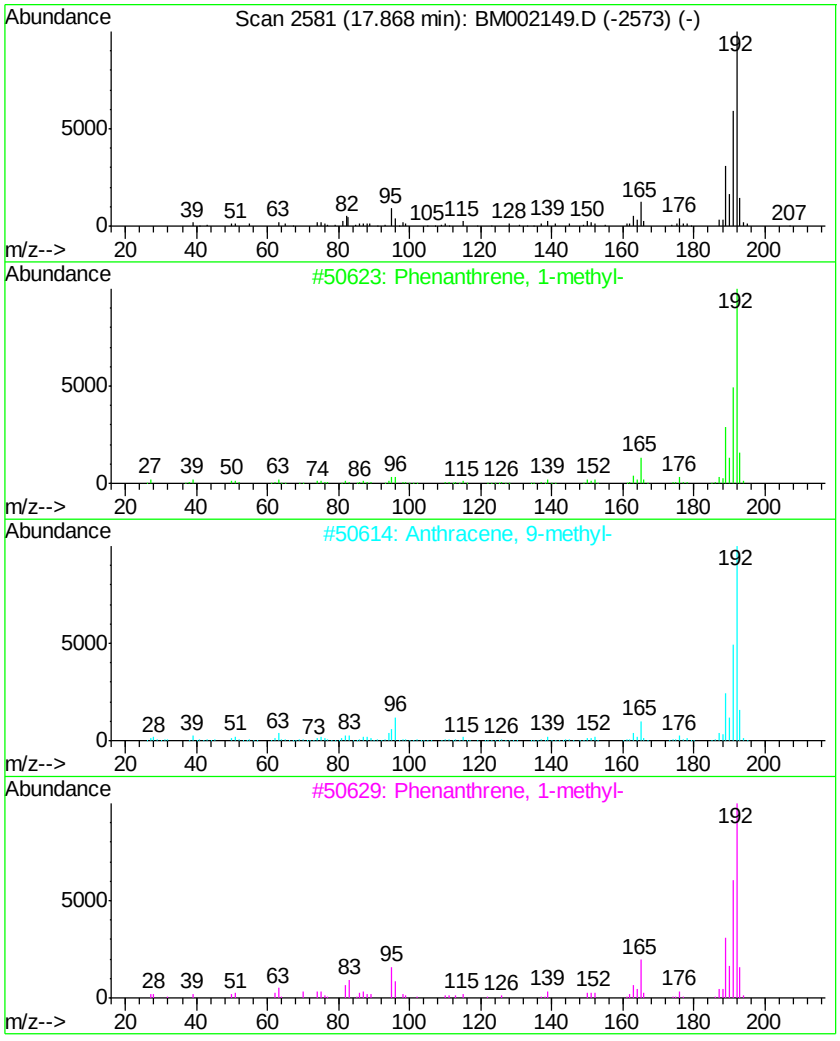
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

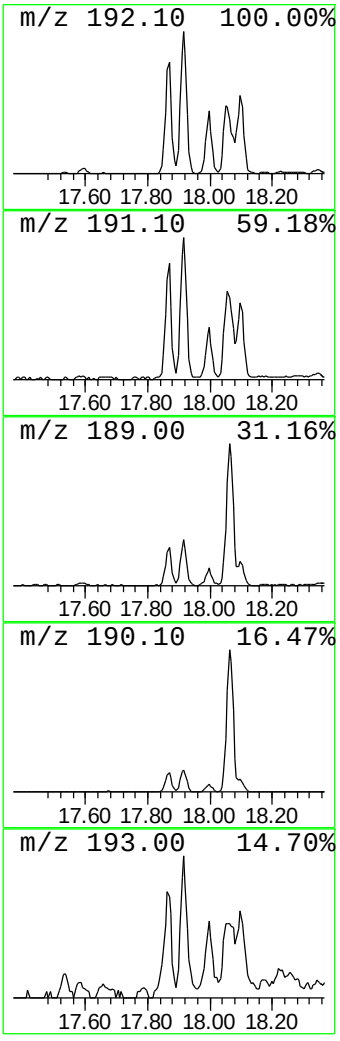
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	11.29 ng/ul	195194	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Library Search Compound Report

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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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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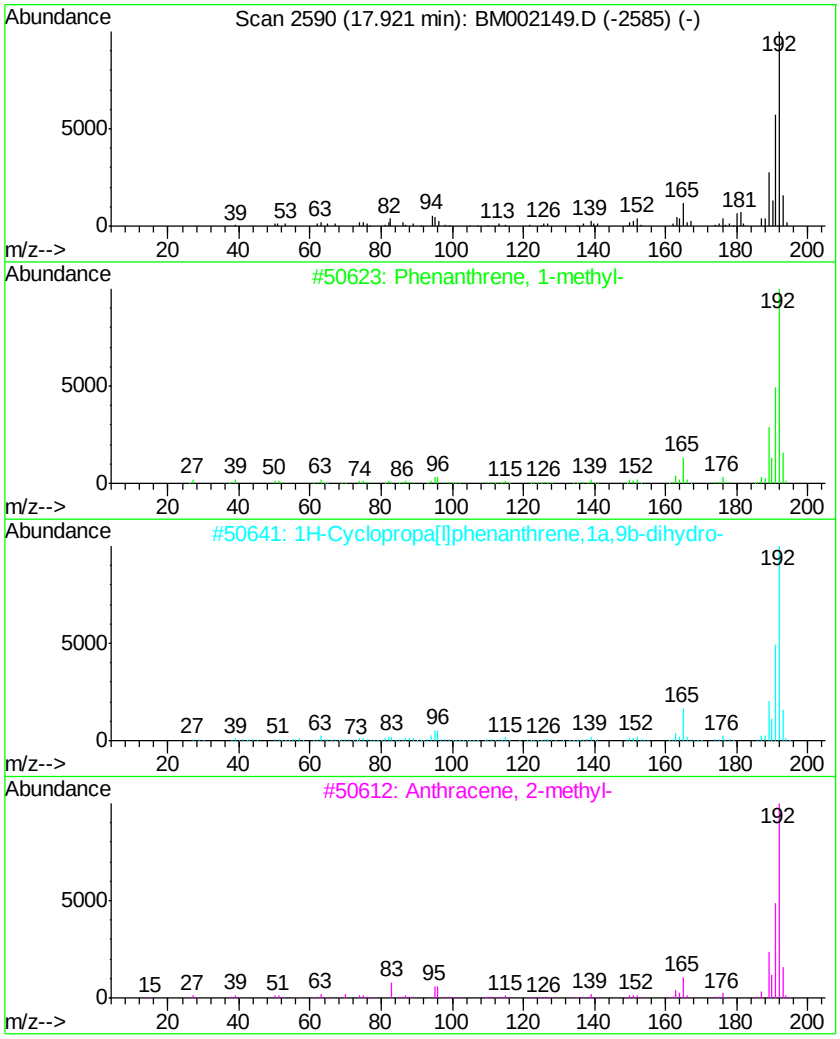
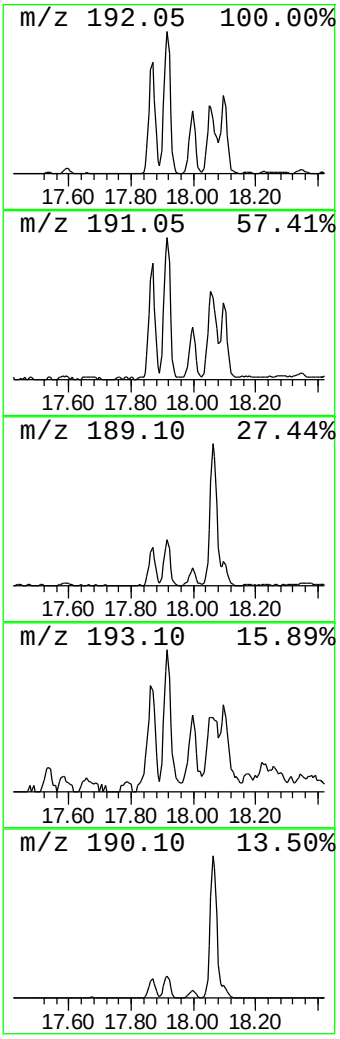
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	12.12 ng/ul	209475	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

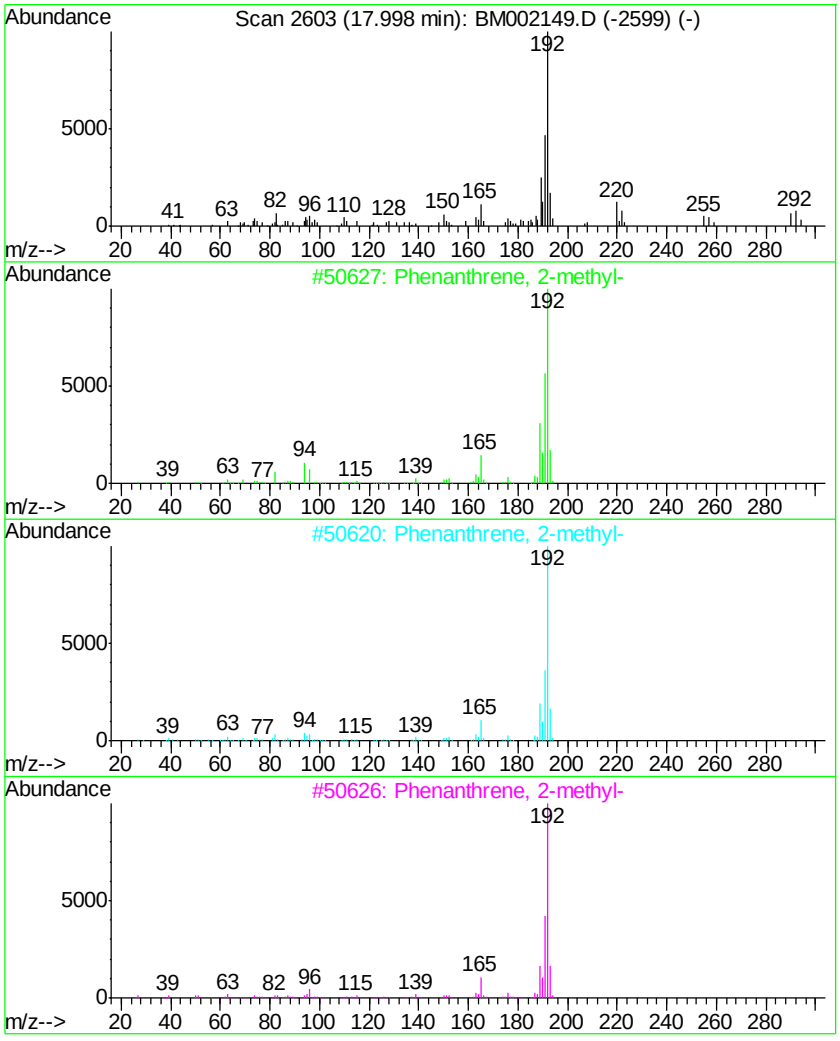
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

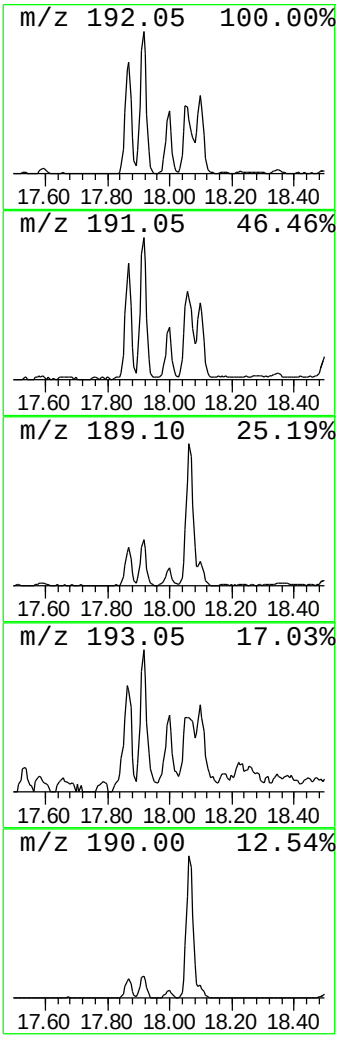
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	5.89 ng/ul	101798	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

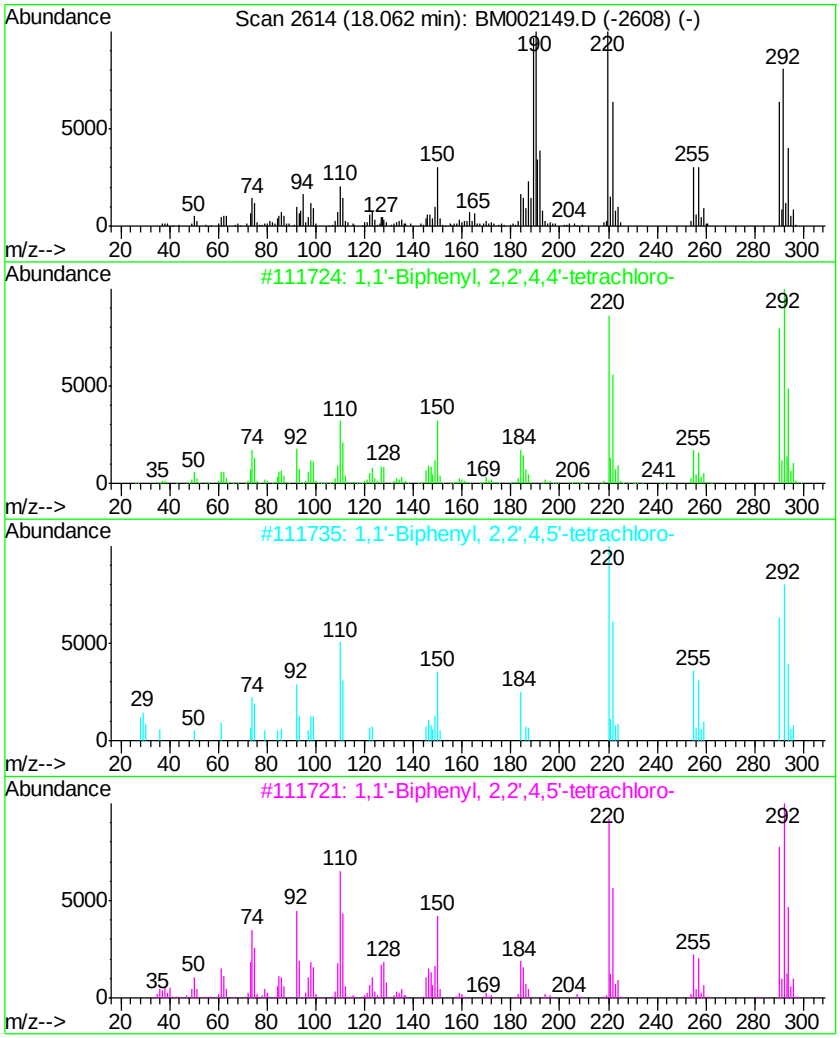
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

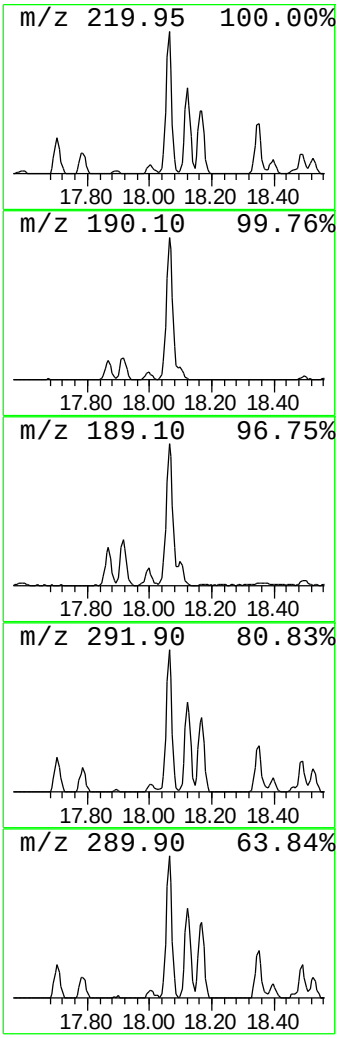
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	40.42 ng/ul	698916	Phenanthrene-d10	16.99

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	97





Library Search Compound Report

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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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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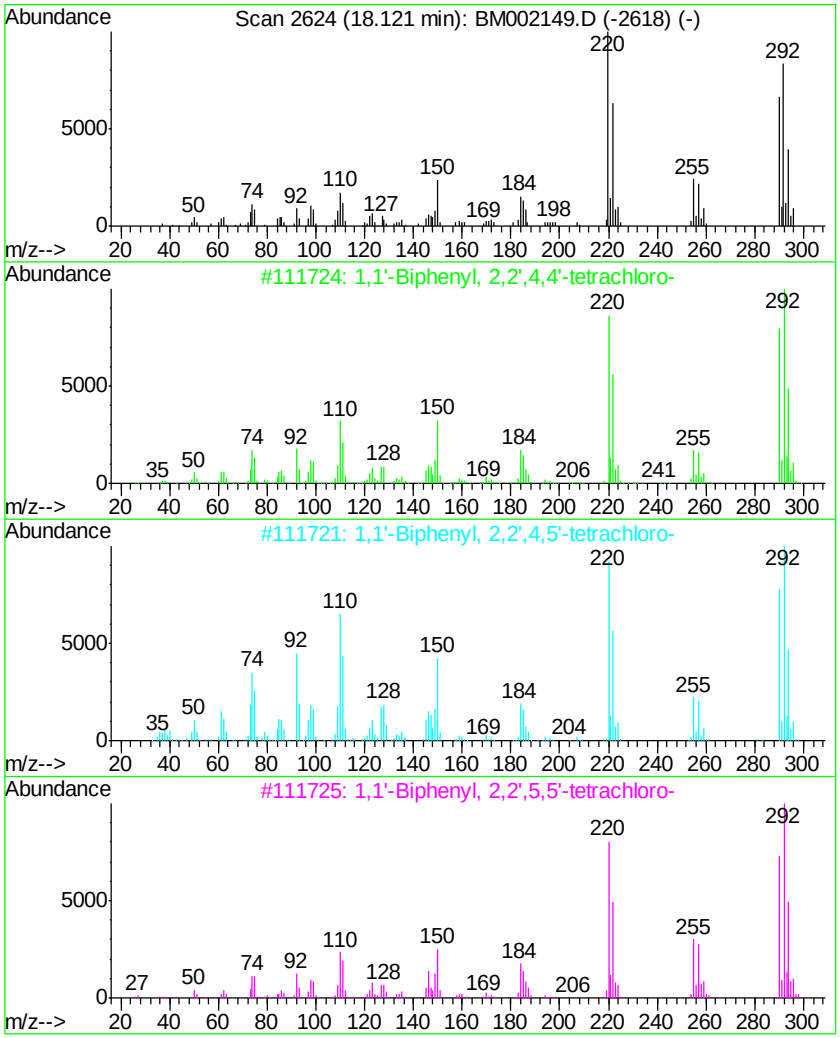
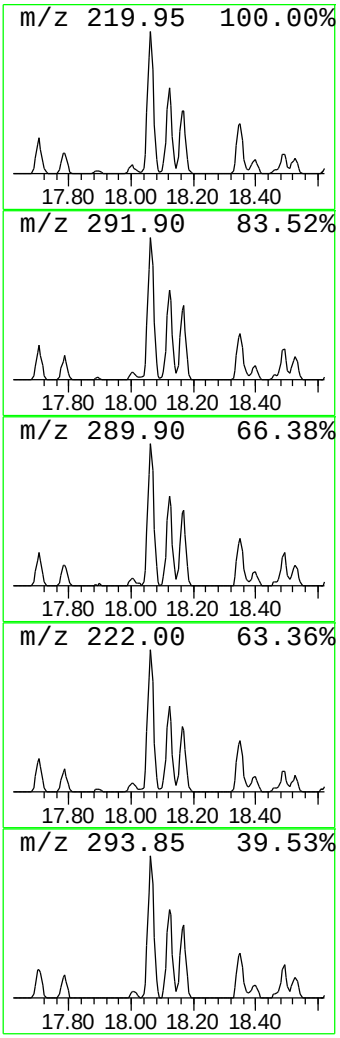
Peak Number 13 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	19.05 ng/ul	329419	Phenanthrene-d10	16.99

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	98
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	96
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96





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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

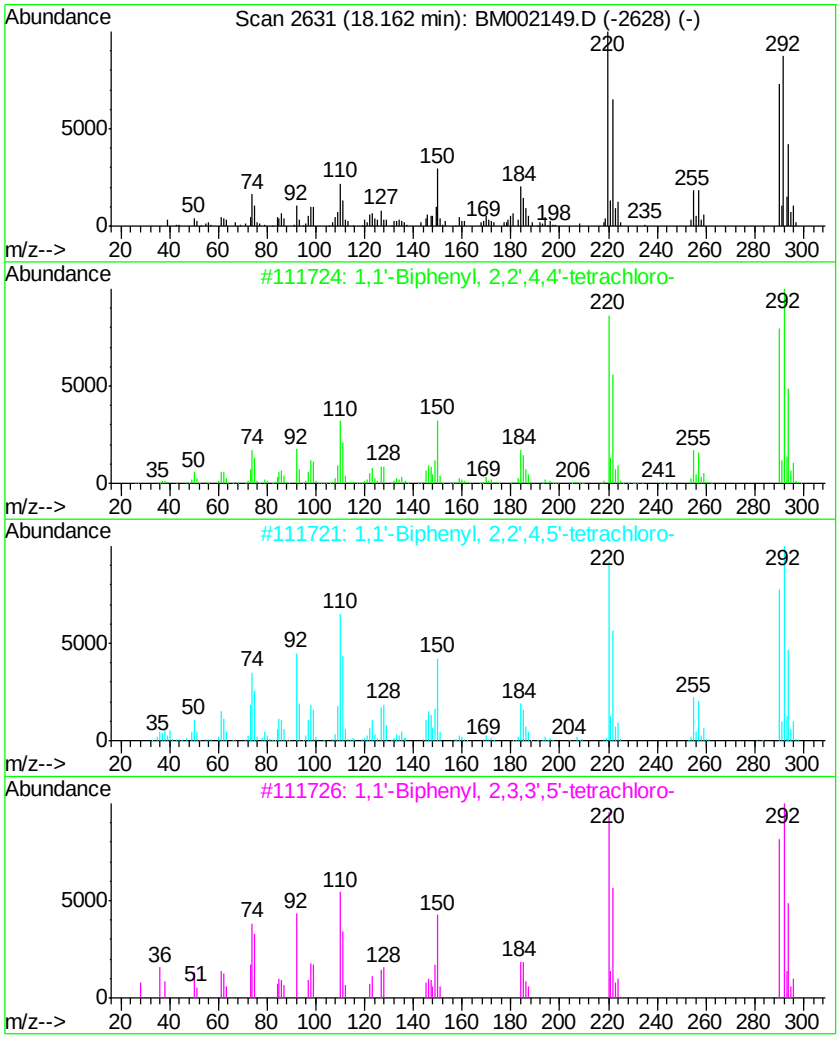
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

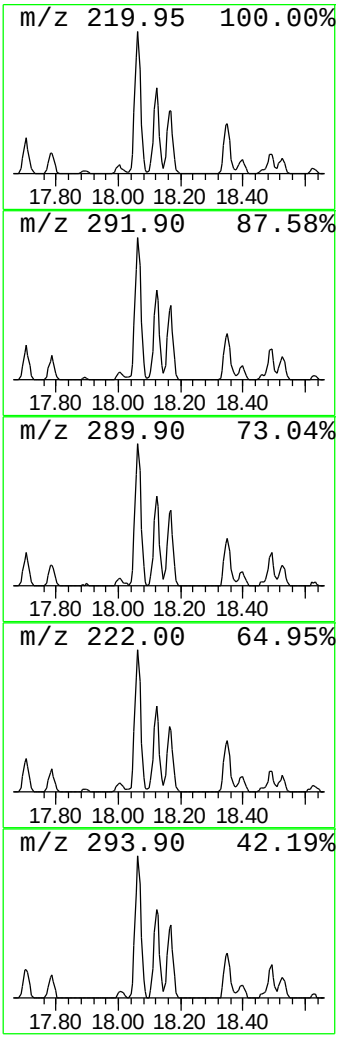
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	12.83 ng/ul	221758	Phenanthrene-d10	16.99

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',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	98
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	96





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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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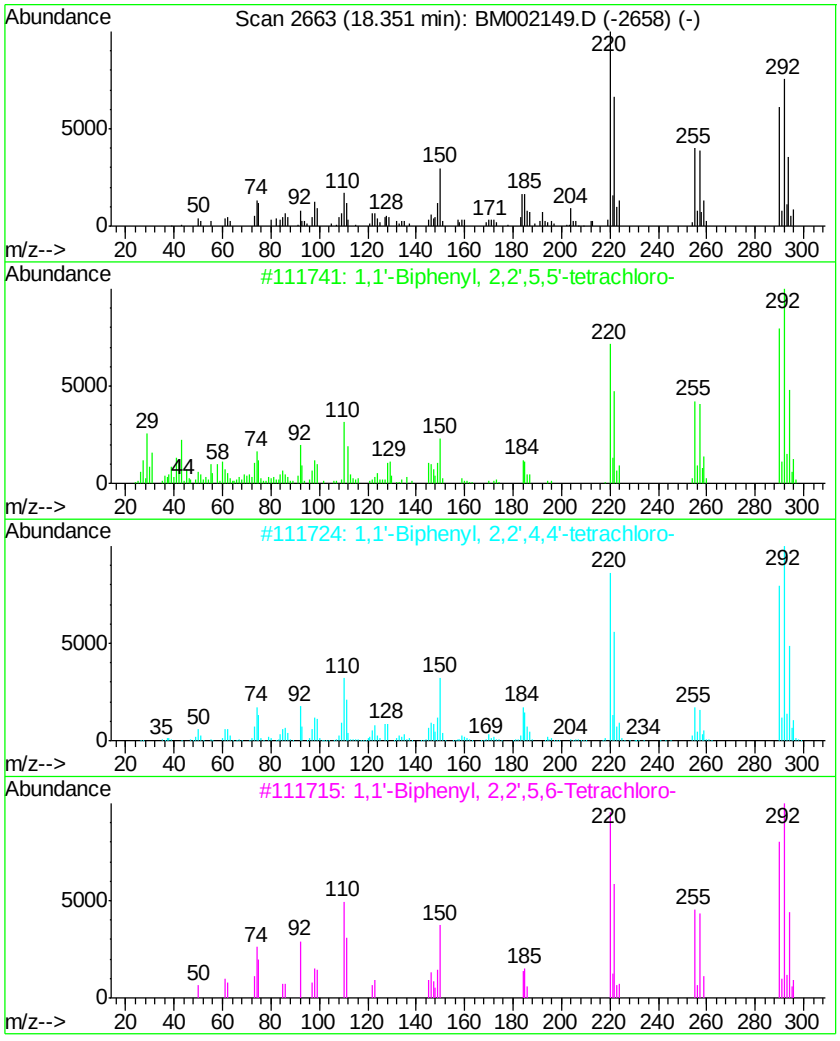
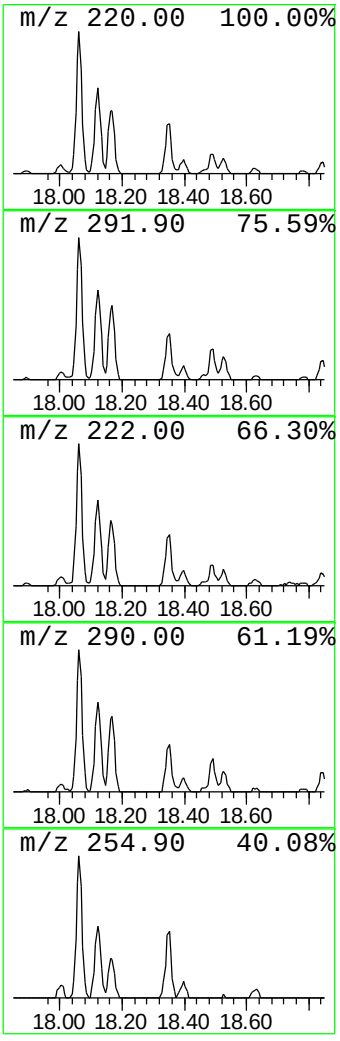
Peak Number 15 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	10.59 ng/ul	183017	Phenanthrene-d10	16.99

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',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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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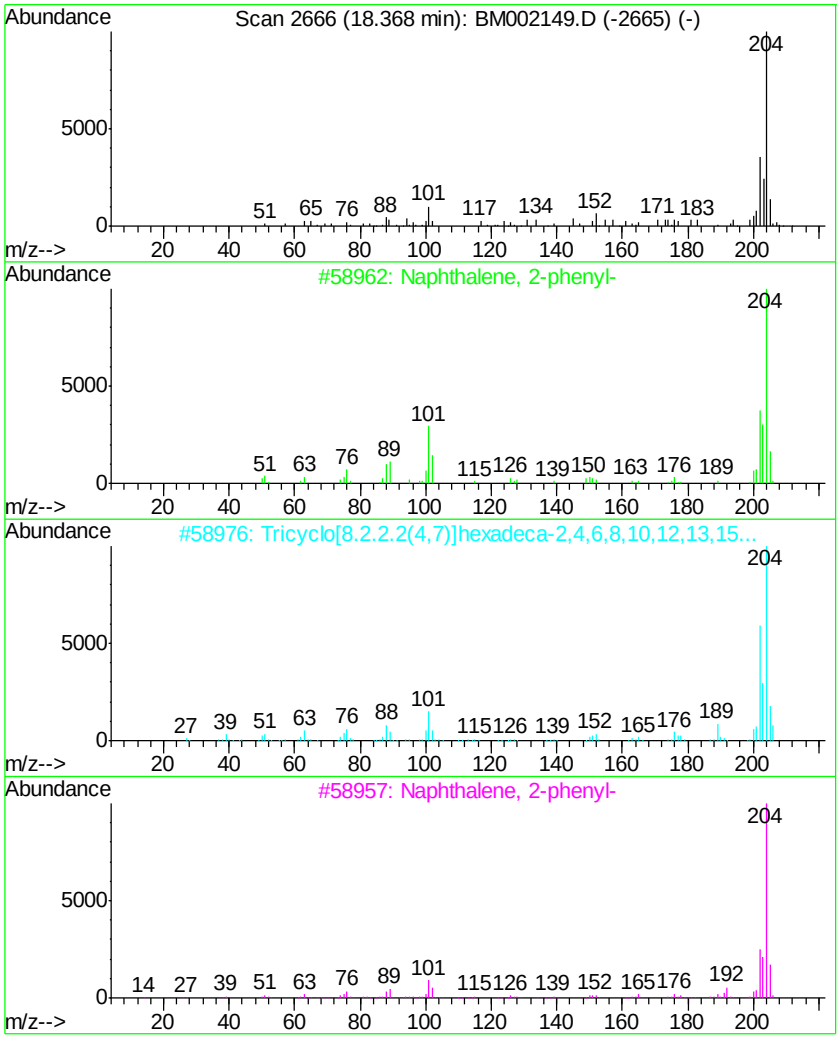
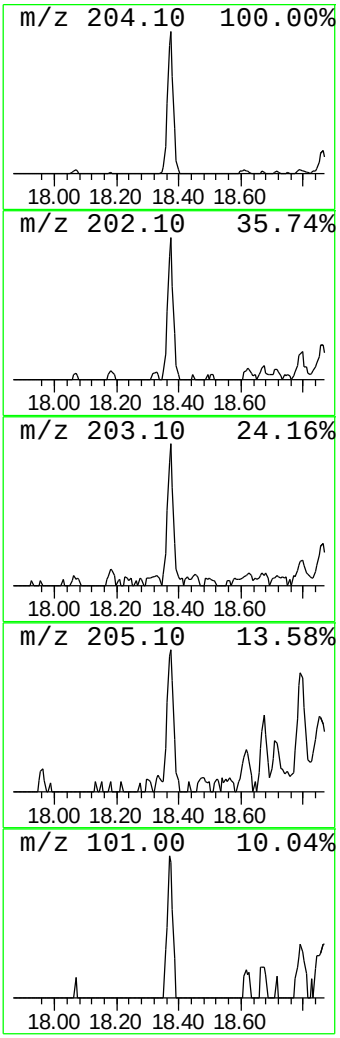
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	6.67 ng/ul	115366	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	58





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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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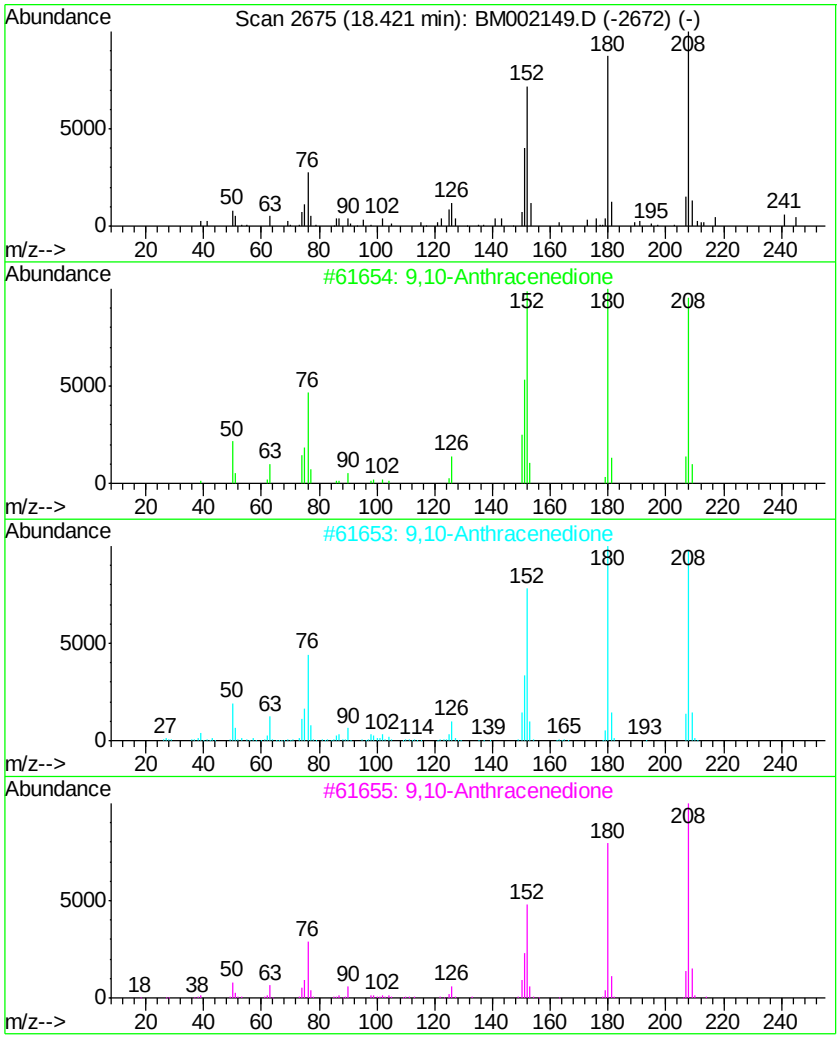
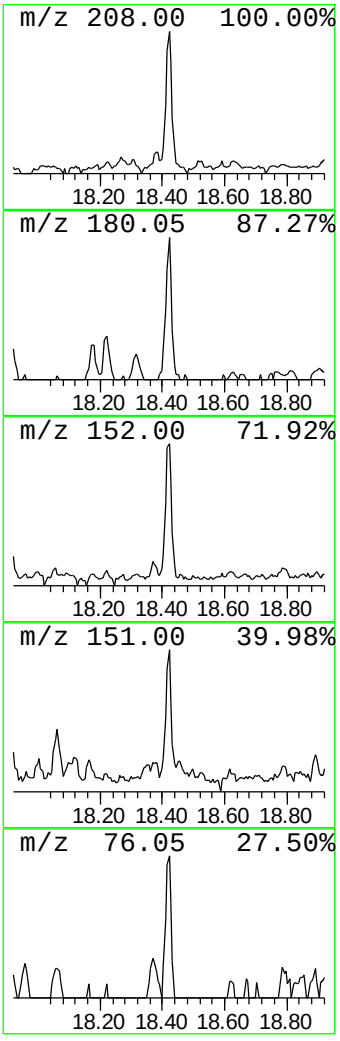
Peak Number 17 9,10-Anthracenedione Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.93 ng/ul	85273	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





Library Search Compound Report

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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

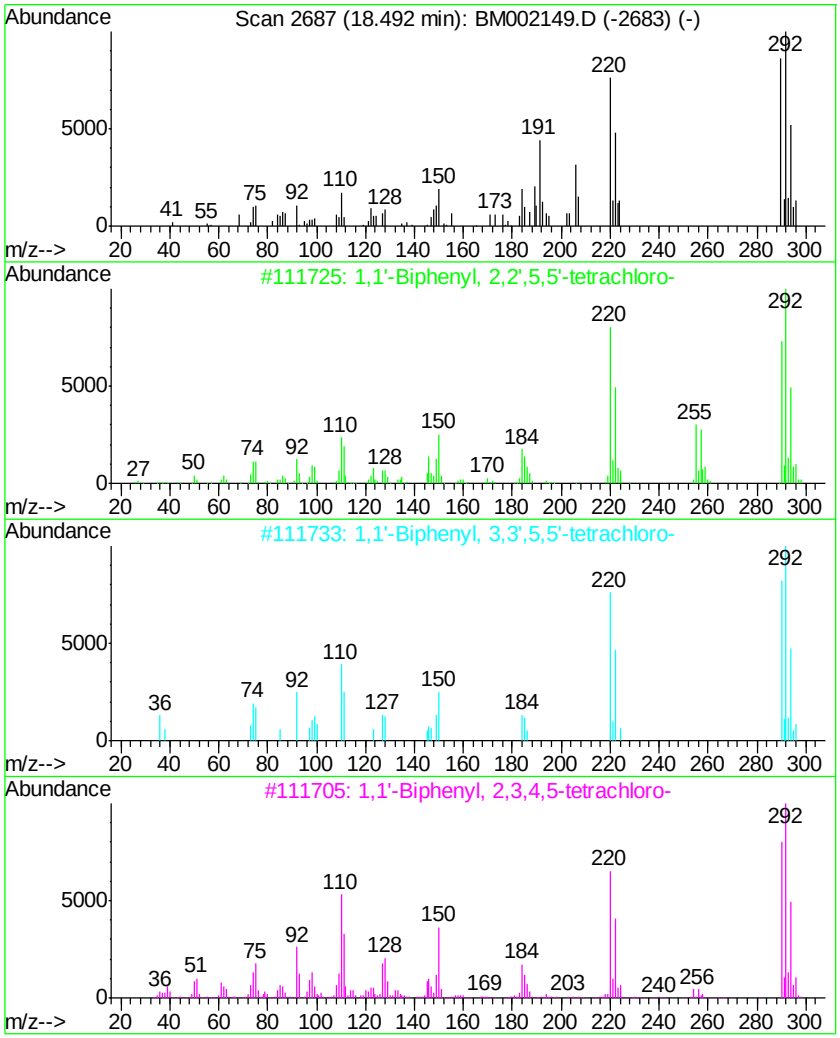
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

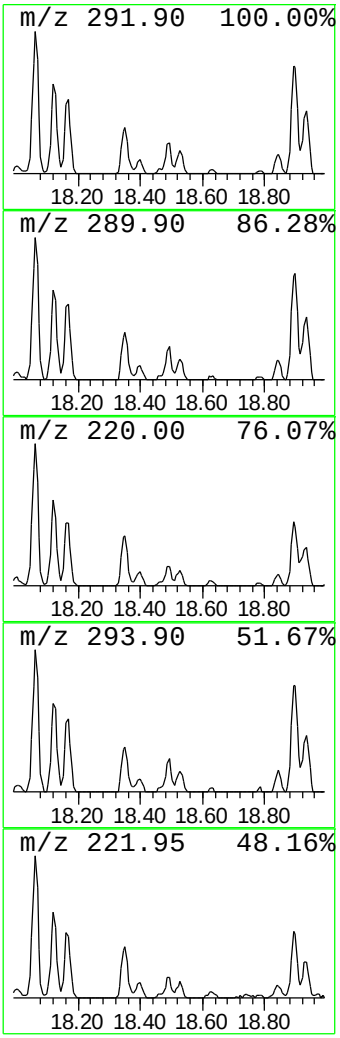
****

Peak Number 18 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.59 ng/ul	79374	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
2	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95
3	1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	94
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	94
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94





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Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

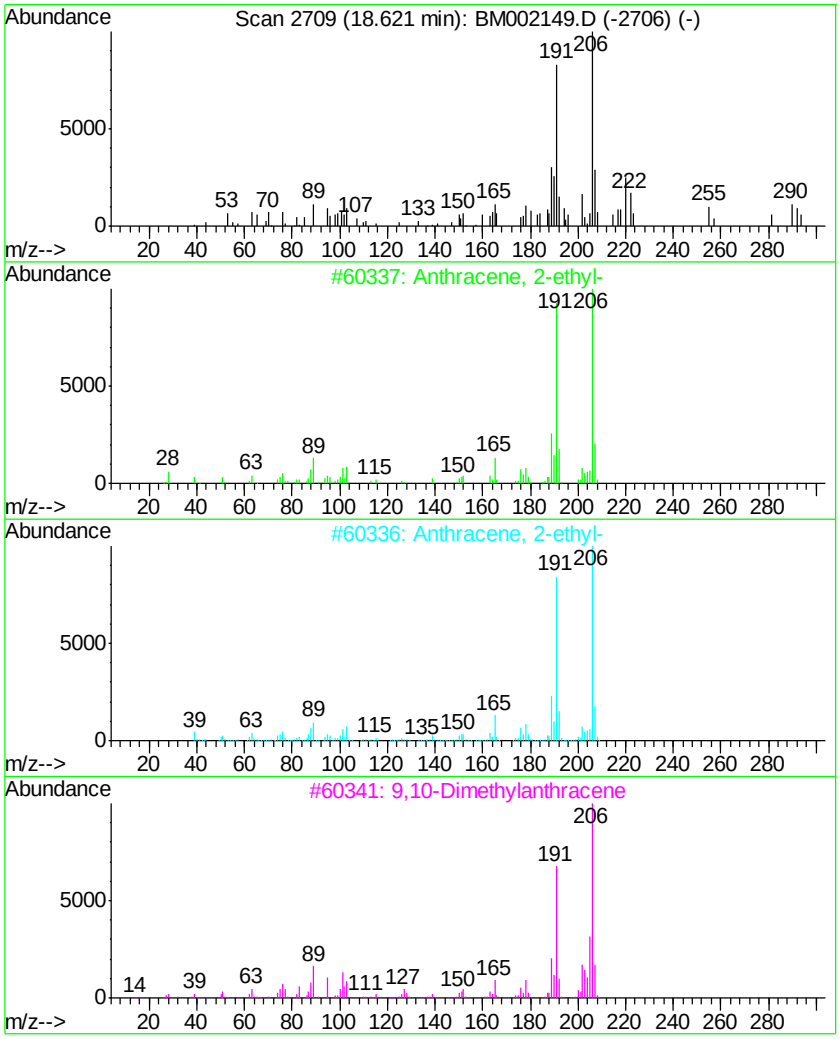
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

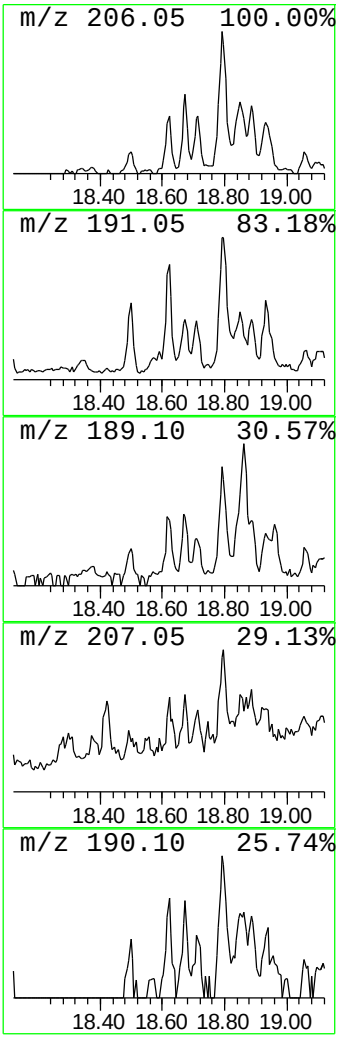
****

Peak Number 19 Anthracene, 2-ethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.07 ng/ul	53102	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	58
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	58
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	58





Library Search Compound Report

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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

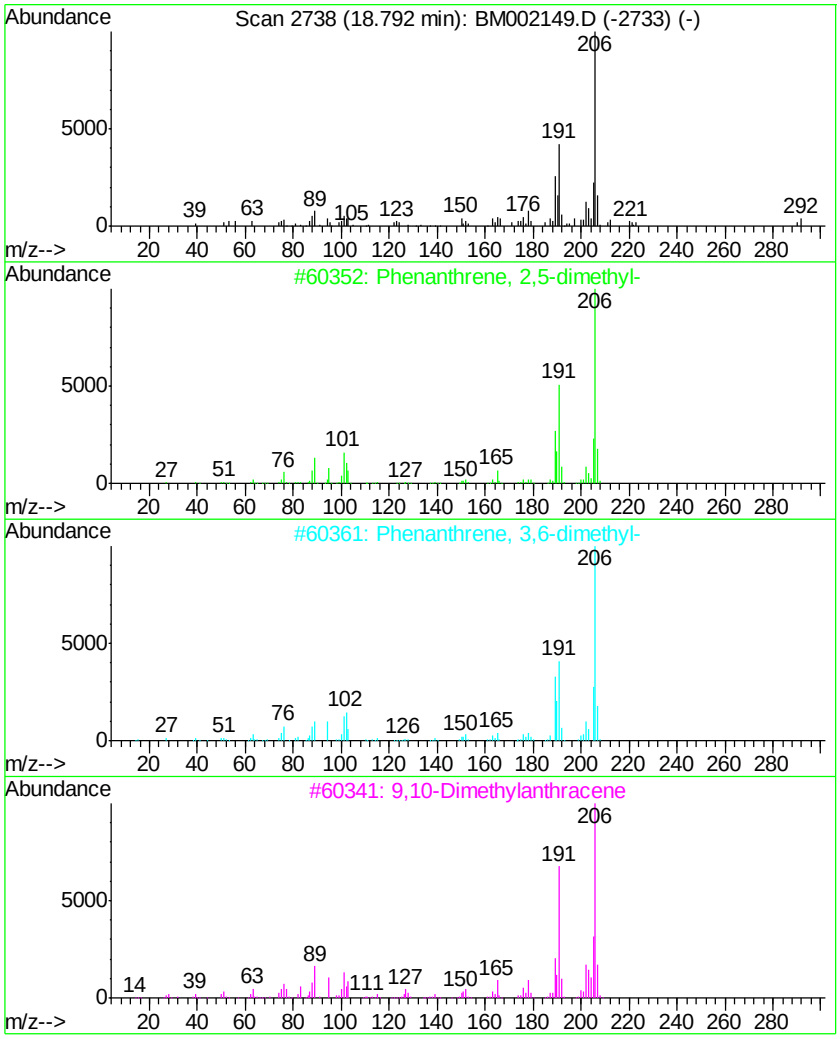
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

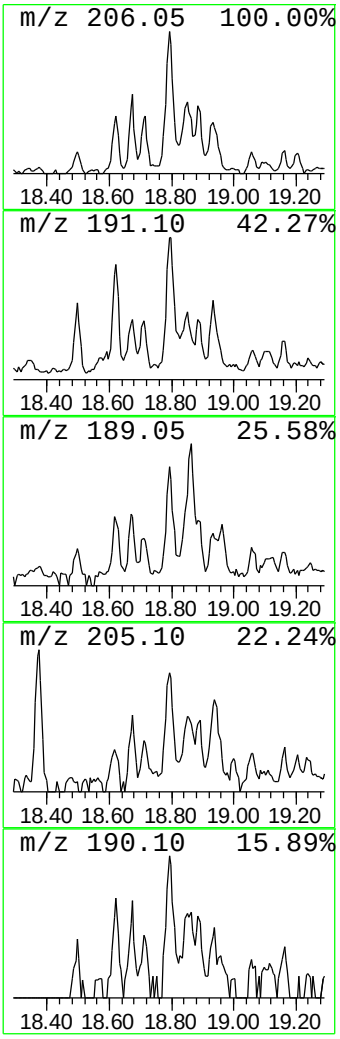
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.86 ng/ul	101343	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

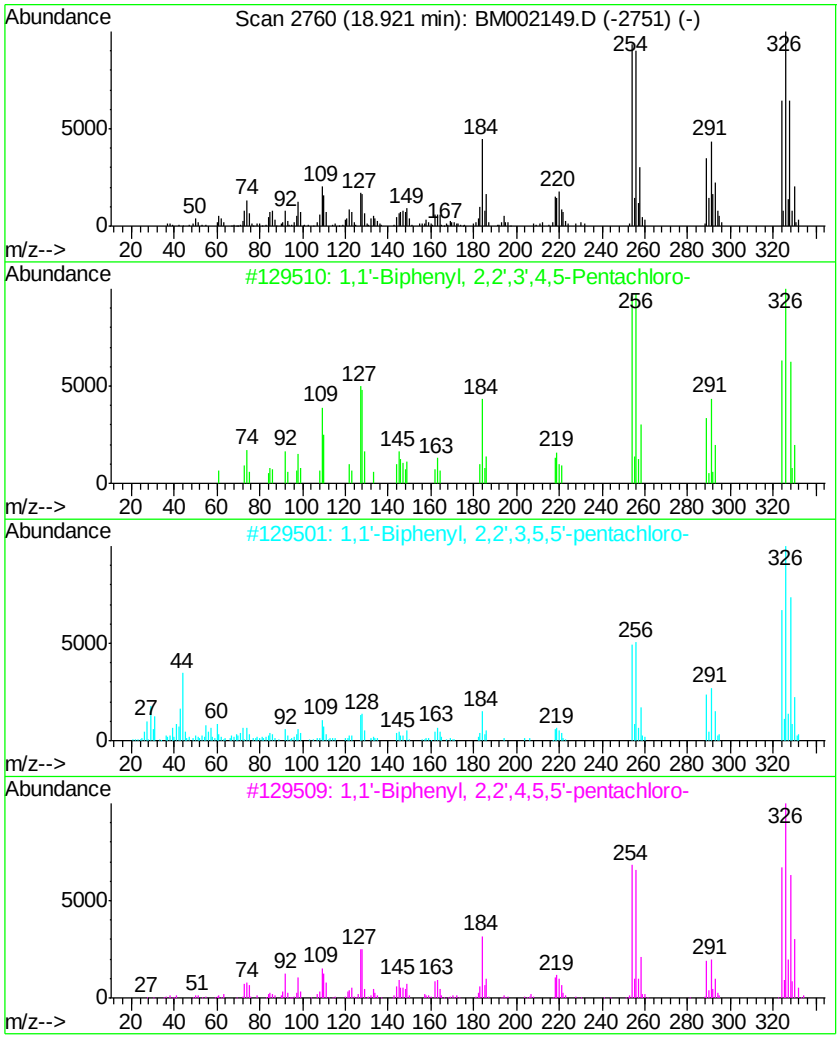
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

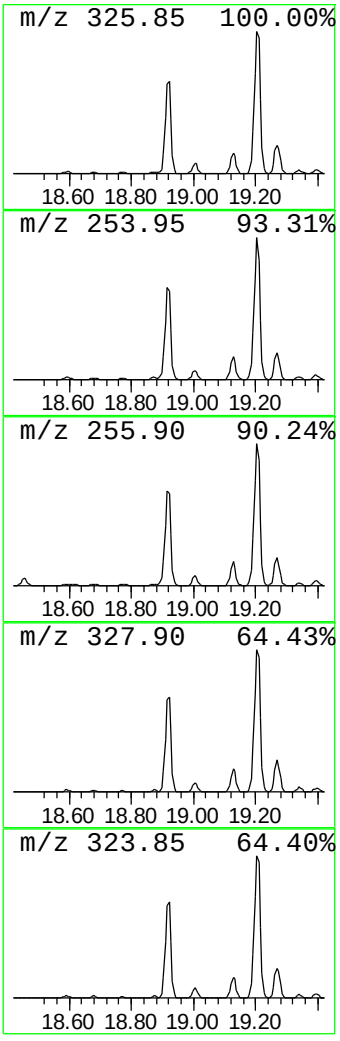
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	65.26 ng/ul	1128270	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	97
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	97





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Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

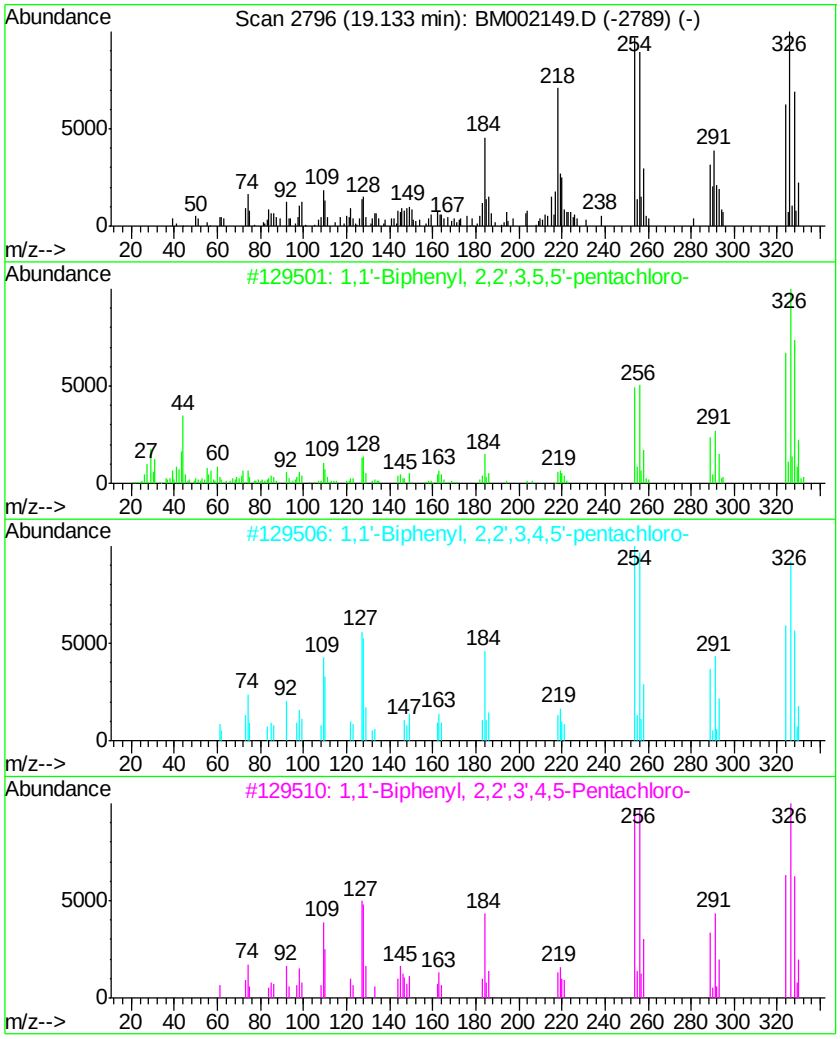
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

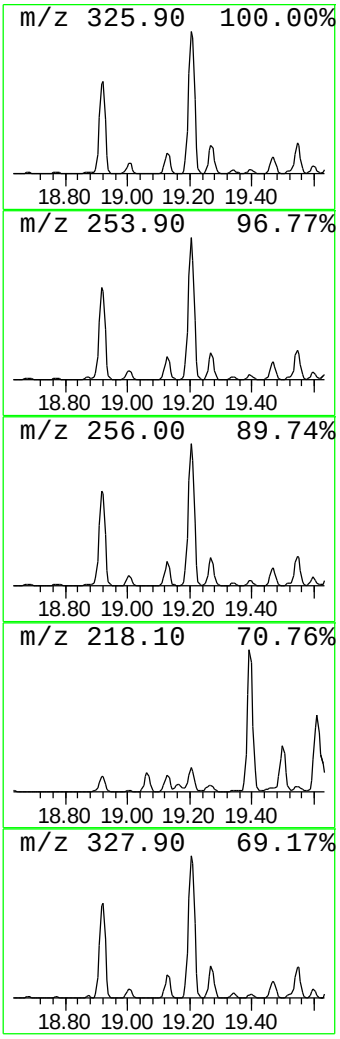
****

Peak Number 23 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.06 ng/ul	243640	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	98





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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

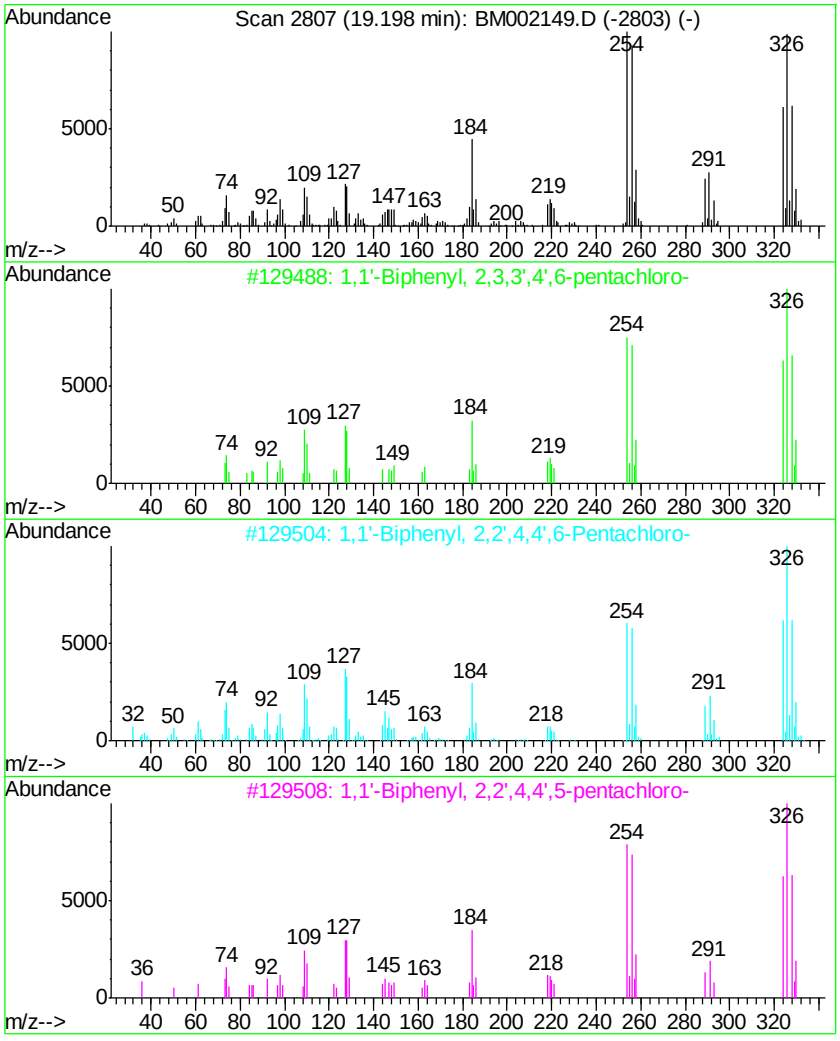
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

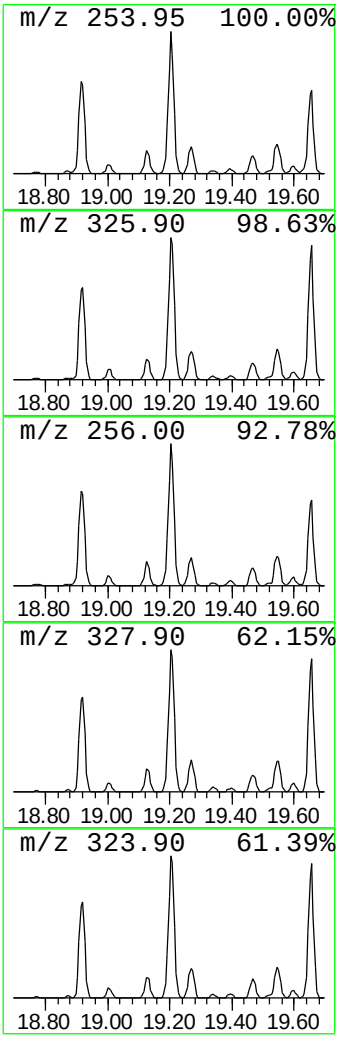
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	16.65 ng/ul	998722	Chrysene-d12	21.20

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',6-Penta...	324	C12H5Cl5	039485-83-1	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',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96





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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

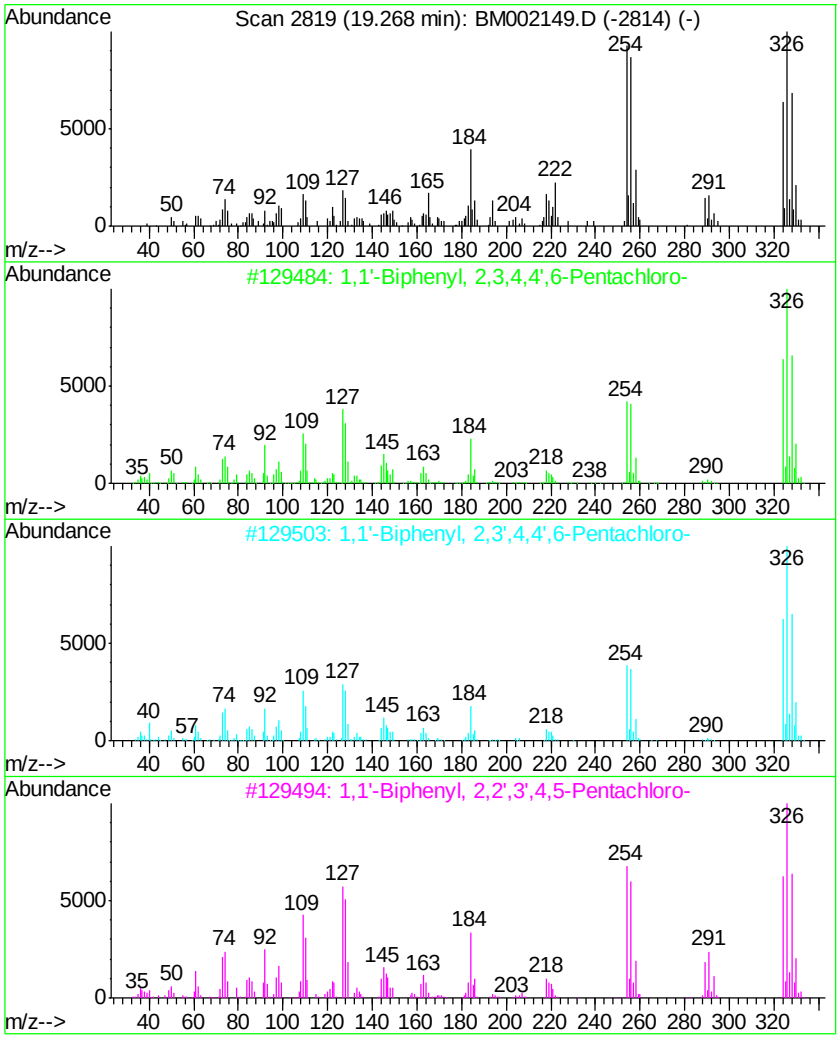
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

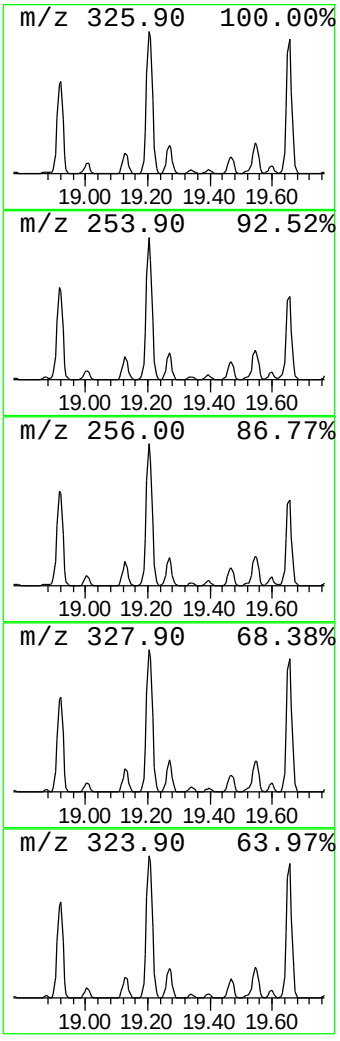
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (2,3,4,5-Tetrachloro-2,4-cy... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.63 ng/ul	217730	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95
2	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
5	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	94





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Data File : BM002149.D
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Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

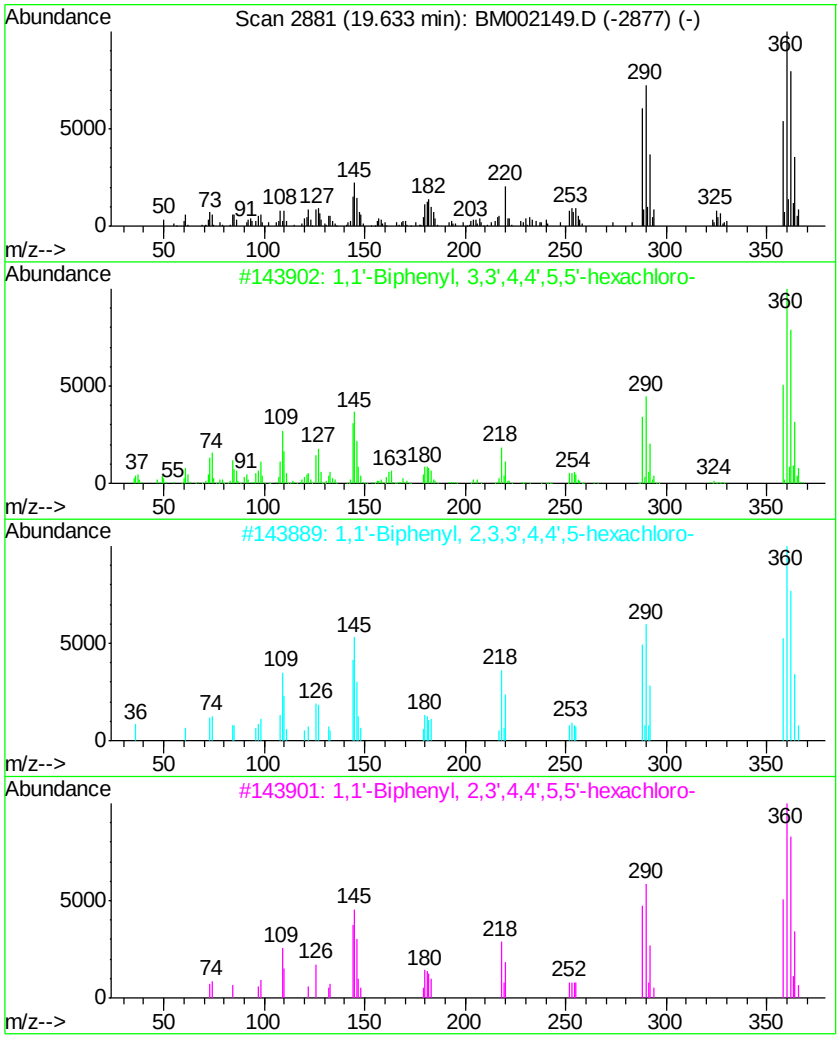
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

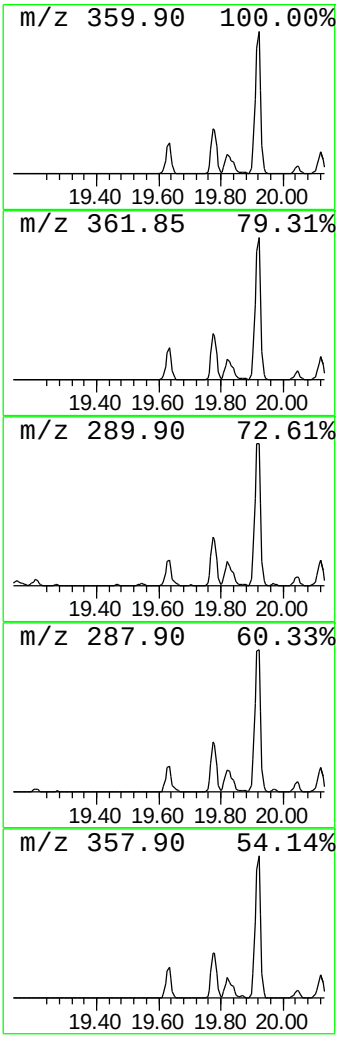
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	3.80 ng/ul	228160	Chrysene-d12	21.20

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, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	98
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

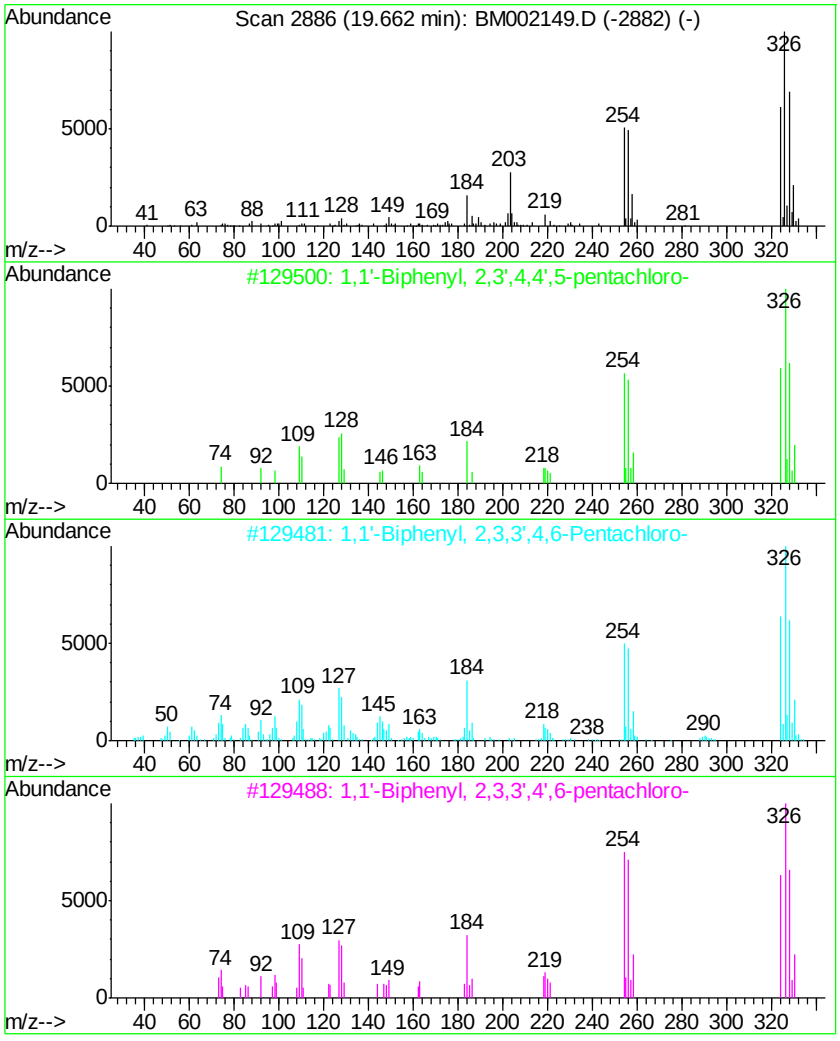
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

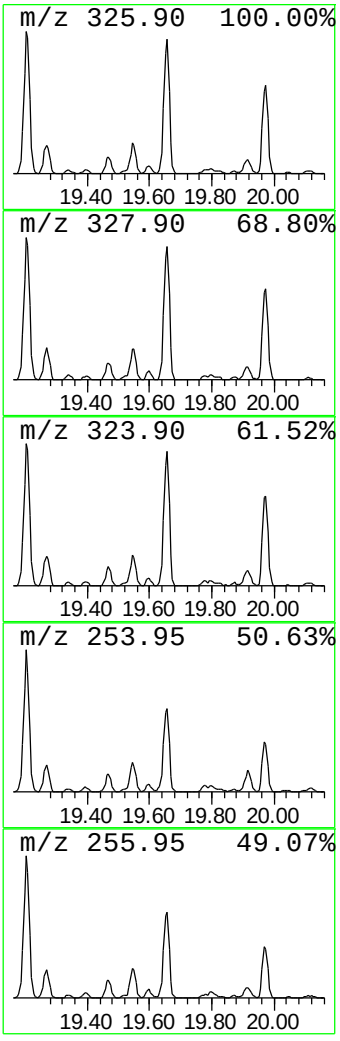
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	11.49 ng/ul	689273	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
2	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	94





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Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

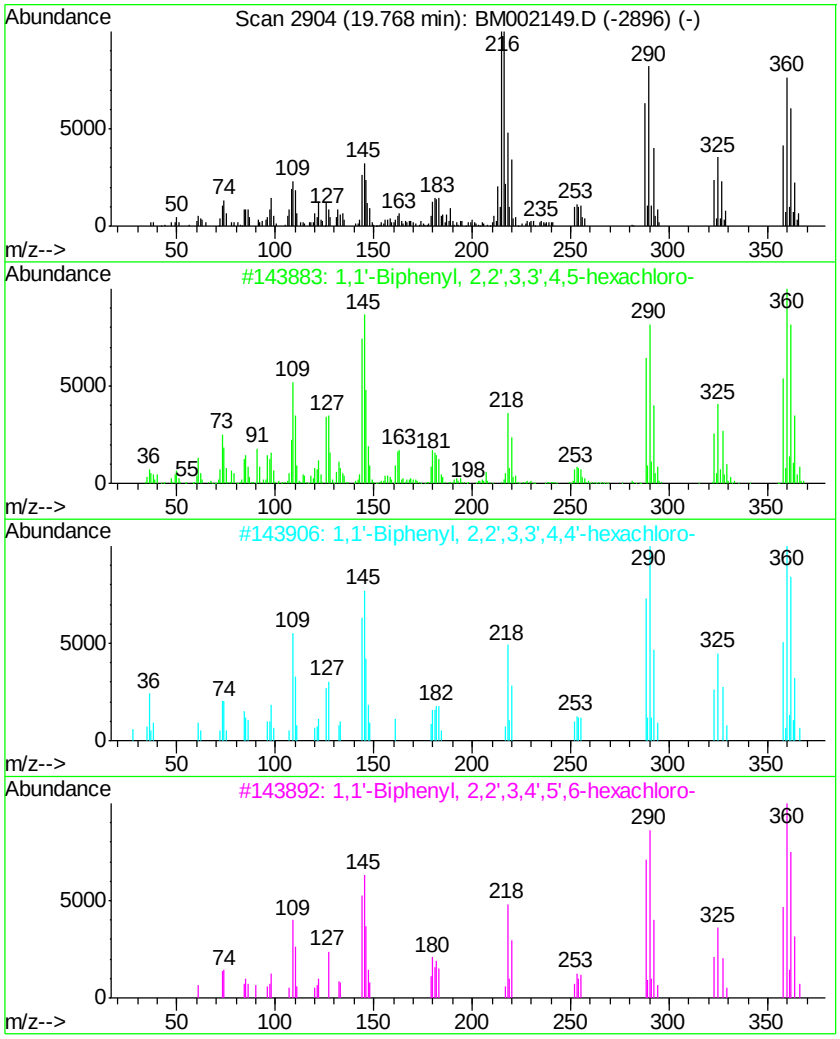
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

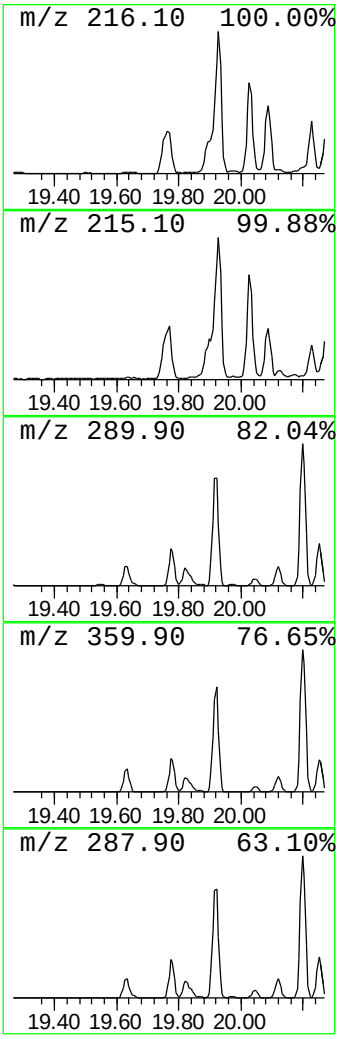
****

Peak Number 29 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	11.61 ng/ul	696452	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	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',6-he...	358	C12H4Cl6	038380-04-0	99
4	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

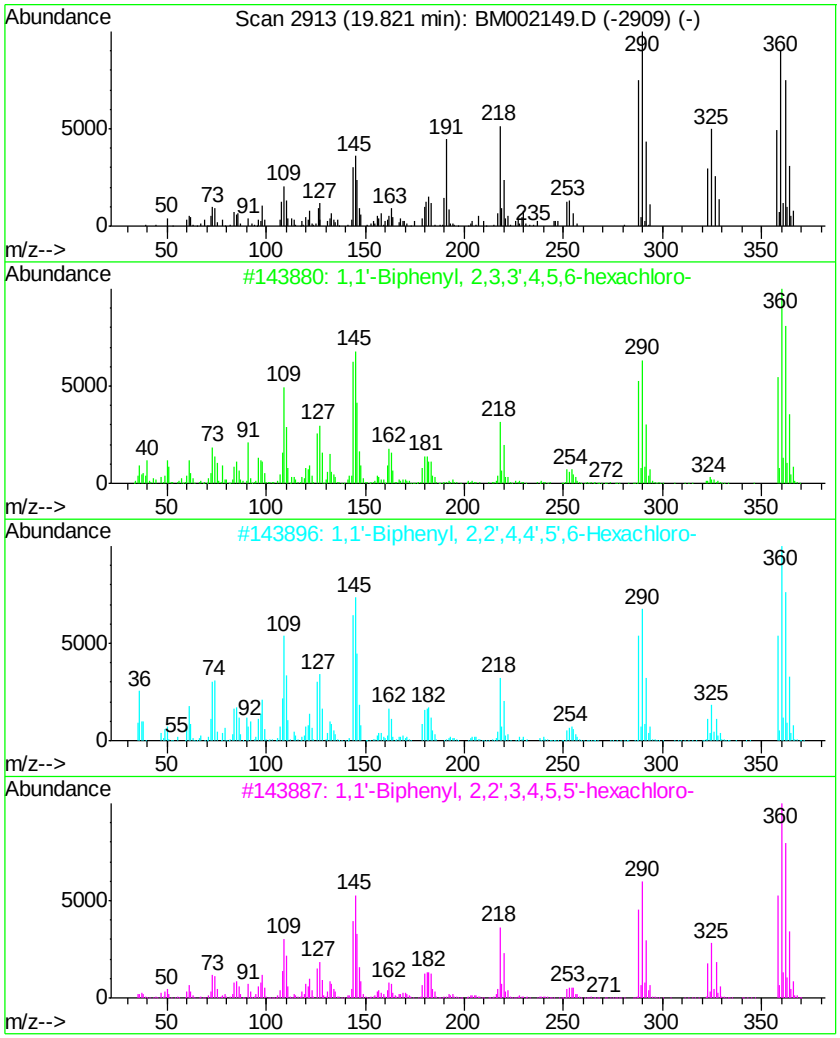
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

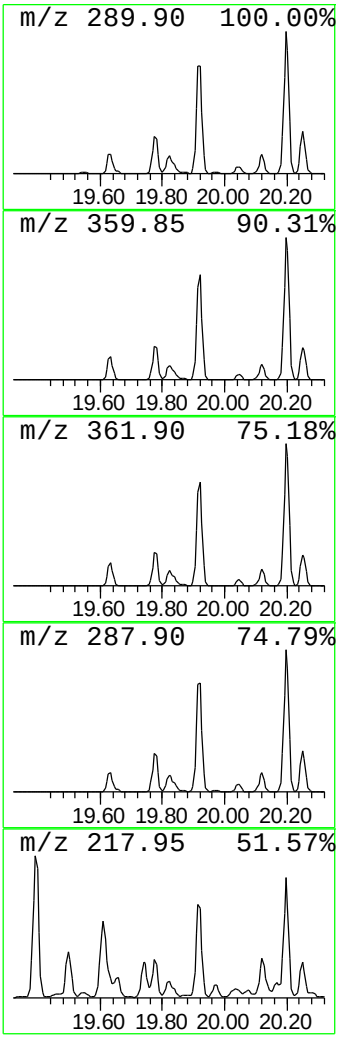
****

Peak Number 30 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.75 ng/ul	224678	Chrysene-d12	21.20

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',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	98
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96





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Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

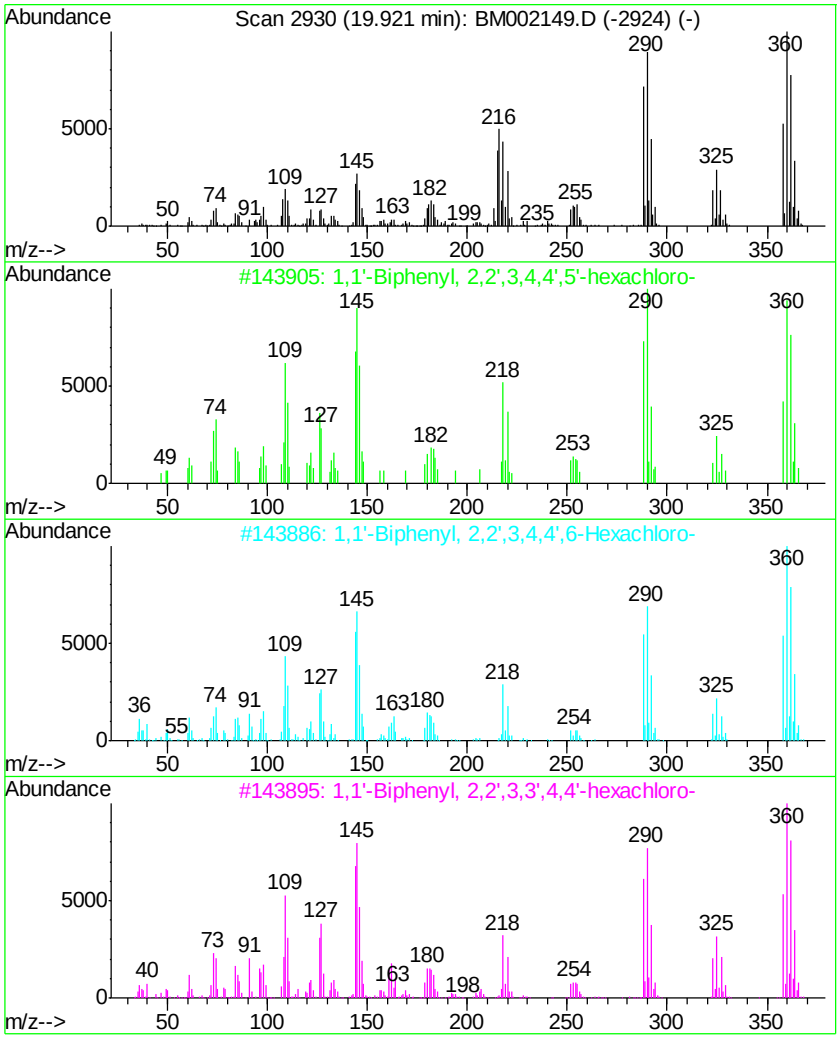
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

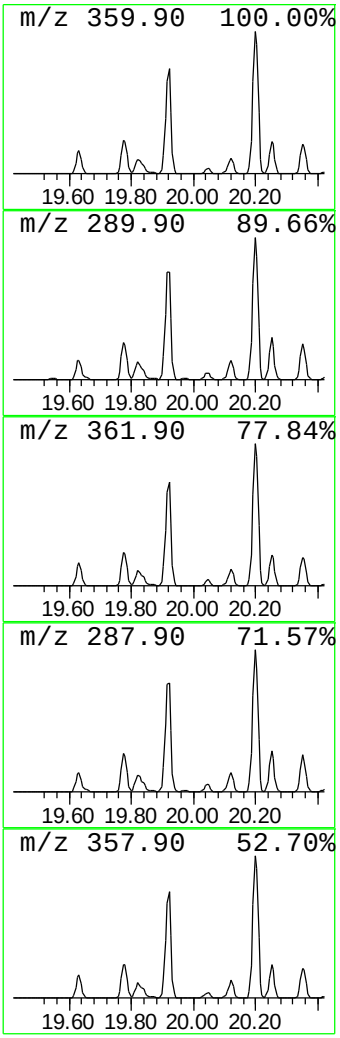
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	27.97 ng/ul	1677830	Chrysene-d12	21.20

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',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

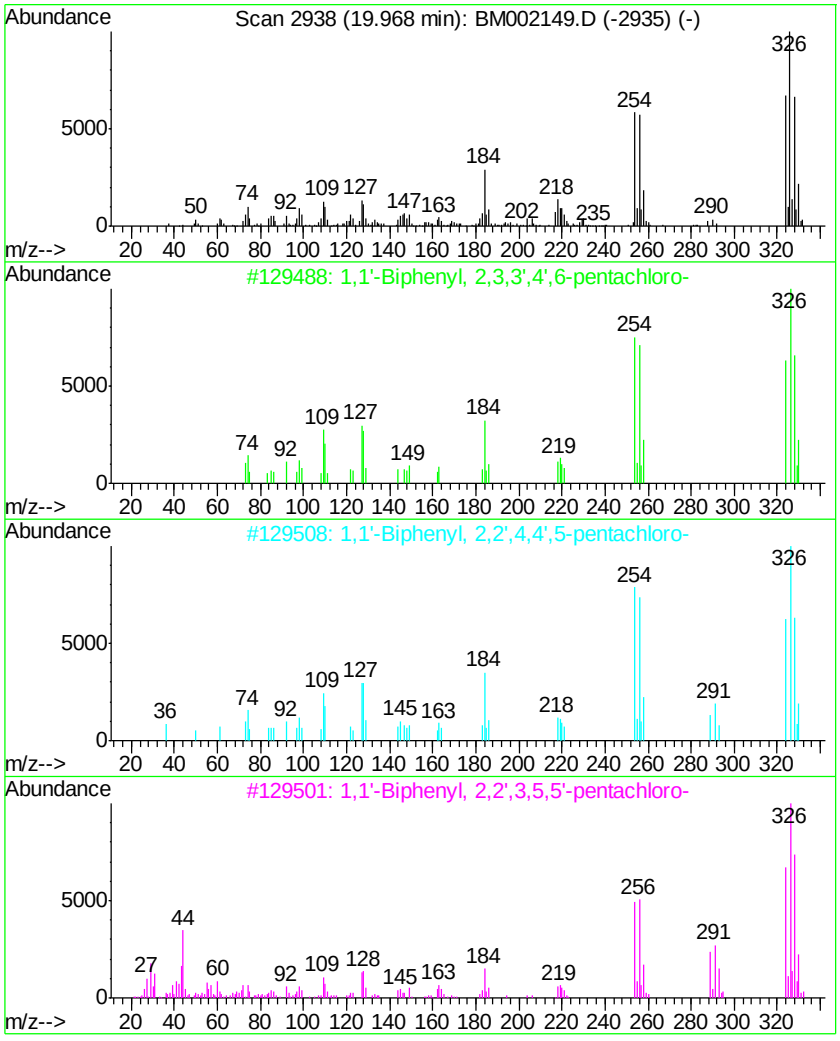
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

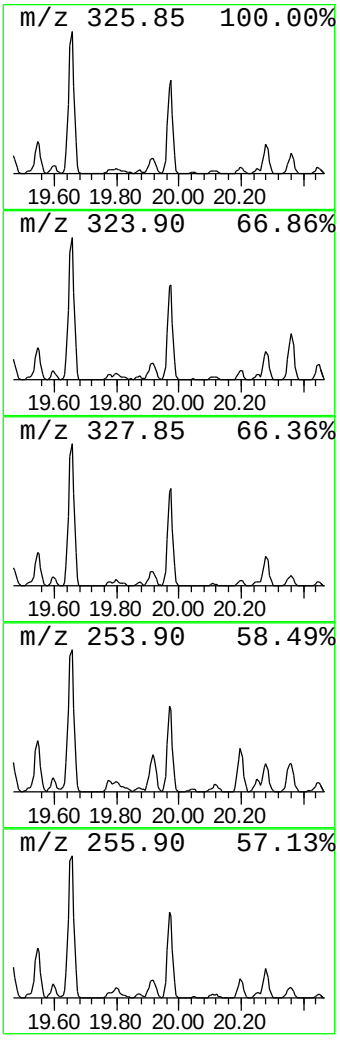
****

Peak Number 32 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	6.57 ng/ul	394313	Chrysene-d12	21.20

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	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',6-Penta...	324	C12H5Cl5	039485-83-1	96
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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

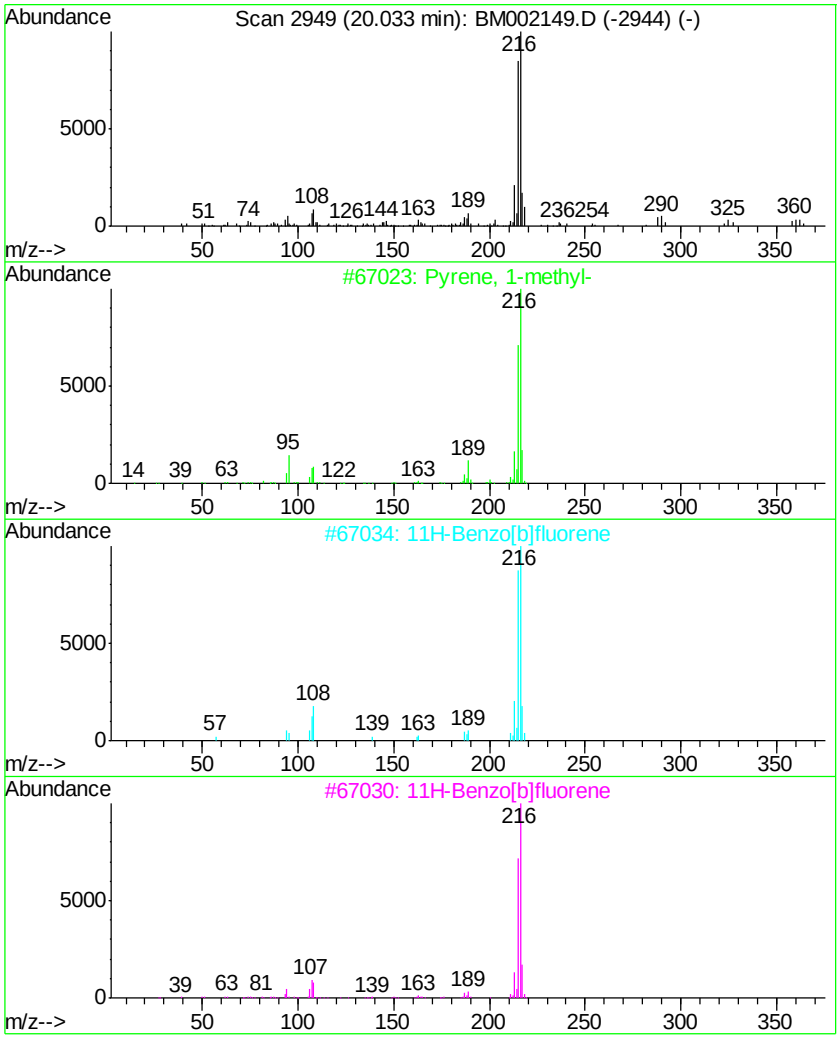
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

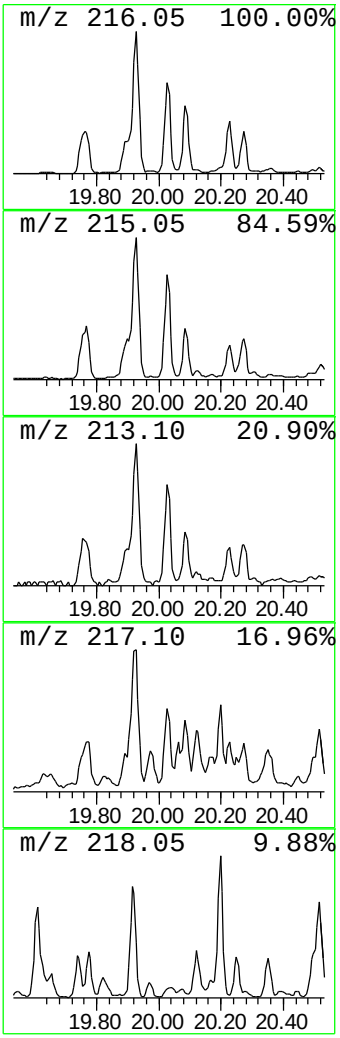
****

Peak Number 33 11H-Benzo[b]fluorene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	4.89 ng/ul	293076	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073115\
Data File : BM002149.D
Acq On : 31 Jul 2015 10:46
Operator : TP/UM
Sample : G3030-20DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6DL

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
Benzene, 1,2,3-tr...	7.21	14.4	ng/ul	87934	1	7.57	121790	20.0
1,1'-Biphenyl, 2,...	15.50	10.1	ng/ul	119318	3	14.24	236654	20.0
1,1'-Biphenyl, 2,...	16.52	5.7	ng/ul	97759	4	16.99	345786	20.0
Dibenzothiophene	16.81	4.0	ng/ul	69557	4	16.99	345786	20.0
1,1'-Biphenyl, 2'...	16.90	6.0	ng/ul	103667	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	17.58	10.3	ng/ul	177732	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	17.79	4.2	ng/ul	72895	4	16.99	345786	20.0
Phenanthrene, 1-m...	17.87	11.3	ng/ul	195194	4	16.99	345786	20.0
1H-Cyclopropa[l]p...	17.92	12.1	ng/ul	209475	4	16.99	345786	20.0
Phenanthrene, 2-m...	18.00	5.9	ng/ul	101798	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	18.06	40.4	ng/ul	698916	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	18.12	19.1	ng/ul	329419	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	18.16	12.8	ng/ul	221758	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	18.35	10.6	ng/ul	183017	4	16.99	345786	20.0
Naphthalene, 2-ph...	18.37	6.7	ng/ul	115366	4	16.99	345786	20.0
9,10-Anthracenedione	18.42	4.9	ng/ul	85273	4	16.99	345786	20.0
1,1'-Biphenyl, 3,...	18.49	4.6	ng/ul	79374	4	16.99	345786	20.0
Anthracene, 2-ethyl-	18.62	3.1	ng/ul	53102	4	16.99	345786	20.0
Phenanthrene, 2,5...	18.79	5.9	ng/ul	101343	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	18.92	65.3	ng/ul	1128270	4	16.99	345786	20.0
1,1'-Biphenyl, 2,...	19.13	4.1	ng/ul	243640	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.20	16.6	ng/ul	998722	5	21.20	1199830	20.0
(2,3,4,5-Tetrachl...	19.27	3.6	ng/ul	217730	5	21.20	1199830	20.0
1,1'-Biphenyl, 3,...	19.63	3.8	ng/ul	228160	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.66	11.5	ng/ul	689273	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.77	11.6	ng/ul	696452	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.82	3.8	ng/ul	224678	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.92	28.0	ng/ul	1677830	5	21.20	1199830	20.0
1,1'-Biphenyl, 2,...	19.97	6.6	ng/ul	394313	5	21.20	1199830	20.0
11H-Benzo[b]fluorene	20.03	4.9	ng/ul	293076	5	21.20	1199830	20.0