LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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	7.569	824	830	837	rBB	137389	209741	13.56%	0.928%
2	9.992	1238	1242	1250	rBB	14988	22938	1.48%	0.102%
3	10.357	1298	1304	1310	rBV	180909	295008	19.07%	1.306%
4	13.557	1843	1848	1853	rBB	14411	21559	1.39%	0.095%
5	13.651	1860	1864	1868	rVV	37303	47640	3.08%	0.211%
6	13.698	1868	1872	1877	rVB	20415	25463	1.65%	0.113%
7	13.927	1906	1911	1914	rBV	35309	52159	3.37%	0.231%
8	13.963	1914	1917	1923	rVB	27543	35993	2.33%	0.159%
9	14.239	1957	1964	1970	rBV2	270163	403590	26.09%	1.786%
10	14.304	1970	1975	1982	rVB	48478	70129	4.53%	0.310%
11	14.639	2026	2032	2038	rVB	33718	48217	3.12%	0.213%
12	15.239	2128	2134	2138	rVB	47986	63511	4.11%	0.281%
13	15.292	2138	2143	2148	rBV	97408	135300	8.75%	0.599%
14	15.415	2162	2164	2168	rVV	19341	24035	1.55%	0.106%
15	15.498	2175	2178	2183	rVV2	31807	42326	2.74%	0.187%
16	15.586	2189	2193	2199	rVV	17501	28660	1.85%	0.127%
17	15.733	2215	2218	2226	rVB2	14418	27212	1.76%	0.120%
18	16.298	2305	2314	2319	rBV2	29137	59720	3.86%	0.264%
19	16.345	2319	2322	2328	rVV3	24198	35187	2.27%	0.156%
20	16.451	2336	2340	2345	rVB2	18781	28216	1.82%	0.125%
21	16.521	2349	2352	2355	rVV3	22628	27502	1.78%	0.122%
22	16.745	2383	2390	2397	rBV7	14332	34163	2.21%	0.151%
23	16.809	2397	2401	2408	rVB	66012	92638	5.99%	0.410%
24	16.904	2414	2417	2421	rVB	21169	25965	1.68%	0.115%
25	16.992	2426	2432	2435	rBV	347590	503018	32.52%	2.226%
26	17.033	2435	2439	2445	rVV	938691	1335231	86.32%	5.909%
27	17.092	2445	2449	2451	rVV	59364	79575	5.14%	0.352%
28	17.127	2451	2455	2459	rVV	204511	281509	18.20%	1.246%
29	17.174	2459	2463	2471	rVV4	21063	39744	2.57%	0.176%
30	17.404	2498	2502	2506	rVV	30552	47465	3.07%	0.210%
31	17.509	2517	2520	2523	rBV	23609	28067	1.81%	0.124%
32	17.574	2523	2531	2539	rVB3	57282	119585	7.73%	0.529%
33	17.709	2550	2554	2560	rVB3	41453	74313	4.80%	0.329%
34	17.786	2563	2567	2573	rBV5	27840	39941	2.58%	0.177%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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	17.868	2573	2581	2585	rBV	188286	276642	17.88%	1.224%
36	17.915	2585	2589	2595	rVB	215100	296825	19.19%	1.314%
37	17.998	2595	2603	2608	rBV	81150	119407	7.72%	0.528%
38	18.062	2608	2614	2618	rBV2	354829	589630	38.12%	2.609%
39	18.098	2618	2620	2628	rVB2	126187	220182	14.23%	0.974%
40	18.168	2628	2632	2637	rBV3	55165	74751	4.83%	0.331%
41	18.268	2645	2649	2653	rVB3	17239	24432	1.58%	0.108%
42	18.374	2653	2667	2671	rBV	136381	255553	16.52%	1.131%
43	18.421	2671	2675	2679	rVB2	38846	51065	3.30%	0.226%
44	18.492	2684	2687	2691	rBV2	29274	39931	2.58%	0.177%
45	18.592	2700	2704	2706	rBV2	17530	23796	1.54%	0.105%
46	18.621	2706	2709	2713	rVB2	43352	54916	3.55%	0.243%
47	18.674	2714	2718	2721	rBV	36520	40769	2.64%	0.180%
48	18.709	2721	2724	2728	rVB2	30792	38681	2.50%	0.171%
49	18.792	2733	2738	2743	rBV	99397	182492	11.80%	0.808%
50	18.856	2743	2749	2752	rBV4	47673	84367	5.45%	0.373%
51	18.892	2752	2755	2756	rBV2	44928	43391	2.81%	0.192%
52	18.921	2756	2760	2770	rVB6	164222	312428	20.20%	1.383%
53	18.998	2771	2773	2777	rVB4	21480	25113	1.62%	0.111%
54	19.062	2778	2784	2790	rBV	1143128	1494724	96.63%	6.615%
55	19.127	2790	2795	2798	rBV2	70600	98165	6.35%	0.434%
56	19.162	2798	2801	2804	rBV2	31312	31815	2.06%	0.141%
57	19.203	2804	2808	2814	rVB2	249954	315506	20.40%	1.396%
58	19.268	2814	2819	2822	rBV4	57514	78826	5.10%	0.349%
59	19.303	2822	2825	2829	rBV	47235	61035	3.95%	0.270%
60	19.339	2829	2831	2835	rVB4	31518	37039	2.39%	0.164%
61	19.398	2835	2841	2842	rBV2	259389	316005	20.43%	1.398%
62	19.427	2842	2846	2855	rVB	1117995	1546783	100.00%	6.845%
63	19.497	2855	2858	2863	rVB4	48639	64762	4.19%	0.287%
64	19.545	2863	2866	2870	rVB2	43472	46911	3.03%	0.208%
65	19.603	2871	2876	2878	rBV2	40393	65224	4.22%	0.289%
66	19.650	2881	2884	2892	rVB2	166682	271336	17.54%	1.201%
67	19.774	2896	2905	2909	rBV5	172274	354276	22.90%	1.568%
68	19.815	2909	2912	2915	rBV2	41306	56321	3.64%	0.249%
69	19.915	2919	2929	2935	rBV2	461893	801058	51.79%	3.545%
70	19.968	2935	2938	2942	rBV2	100099	109302	7.07%	0.484%
71	20.027	2944	2948	2953	rBV	168991	232324	15.02%	1.028%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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	20.086	2953	2958	2961	rBV2	122872	168825	10.91%	0.747%
73	20.121	2961	2964	2968	rVB2	91349	114910	7.43%	0.509%
74	20.197	2972	2977	2980	rBV	360857	428535	27.70%	1.896%
75	20.250	2983	2986	2988	rBV3	58045	71649	4.63%	0.317%
76	20.350	2999	3003	3007	rBV4	130012	194608	12.58%	0.861%
77	20.444	3016	3019	3022	rVB5	47926	52321	3.38%	0.232%
78	20.515	3022	3031	3037	rBV	292816	619110	40.03%	2.740%
79	20.662	3048	3056	3063	rBV3	188223	411101	26.58%	1.819%
80	20.727	3063	3067	3071	rVB2	79085	100147	6.47%	0.443%
81	20.844	3079	3087	3090	rBV3	133335	297682	19.25%	1.317%
82	20.880	3090	3093	3096	rVV	123867	141722	9.16%	0.627%
83	20.927	3096	3101	3105	rVV3	195611	280659	18.14%	1.242%
84	20.986	3106	3111	3116	rVB2	123065	209296	13.53%	0.926%
85	21.044	3119	3121	3123	rBV3	25206	24840	1.61%	0.110%
86	21.080	3123	3127	3129	rBV2	48049	69352	4.48%	0.307%
87	21.186	3140	3145	3149	rBV2	763180	1533192	99.12%	6.785%
88	21.233	3149	3153	3163	rVB	594362	1084519	70.11%	4.800%
89	21.350	3169	3173	3179	rBV	97531	149260	9.65%	0.661%
90	21.527	3199	3203	3210	rVB3	119940	170527	11.02%	0.755%
91	21.650	3221	3224	3227	rVB2	54067	59567	3.85%	0.264%
92	21.691	3227	3231	3233	rBV2	57900	72384	4.68%	0.320%
93	21.739	3236	3239	3244	rVB	110125	146145	9.45%	0.647%
94	21.839	3253	3256	3262	rBV5	52535	96529	6.24%	0.427%
95	21.933	3269	3272	3275	rBV	54805	76950	4.97%	0.341%
96	22.738	3404	3409	3421	rVB	334598	945271	61.11%	4.183%
97	23.203	3483	3488	3493	rBV	192417	336570	21.76%	1.489%
98	23.297	3499	3504	3512	rVB	329818	571628	36.96%	2.530%
99	23.391	3515	3520	3526	rBV	332857	606235	39.19%	2.683%
100	25.597	3889	3895	3907	rVB2	145374	421716	27.26%	1.866%

Sum of corrected areas: 22596353

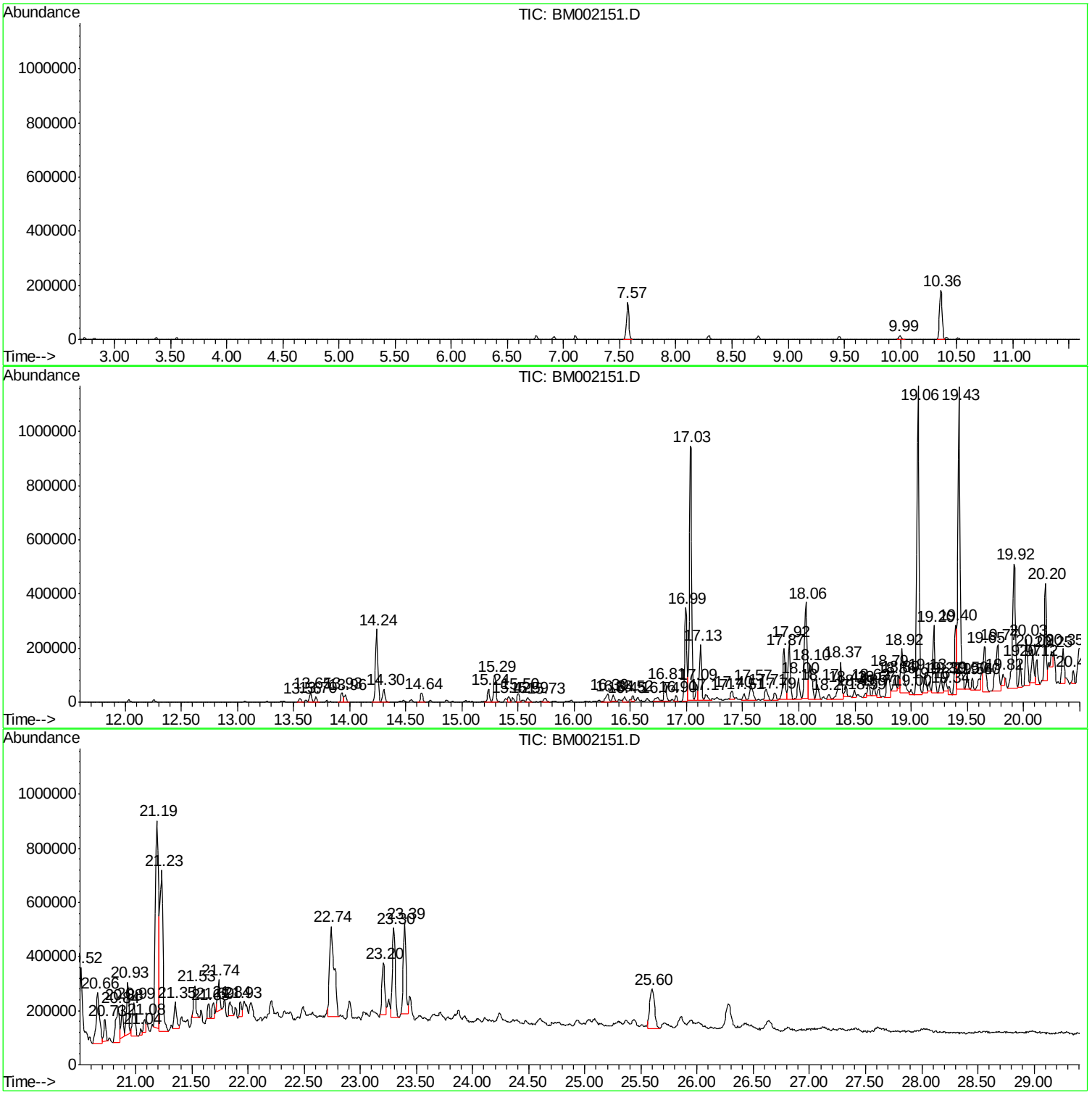
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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 : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

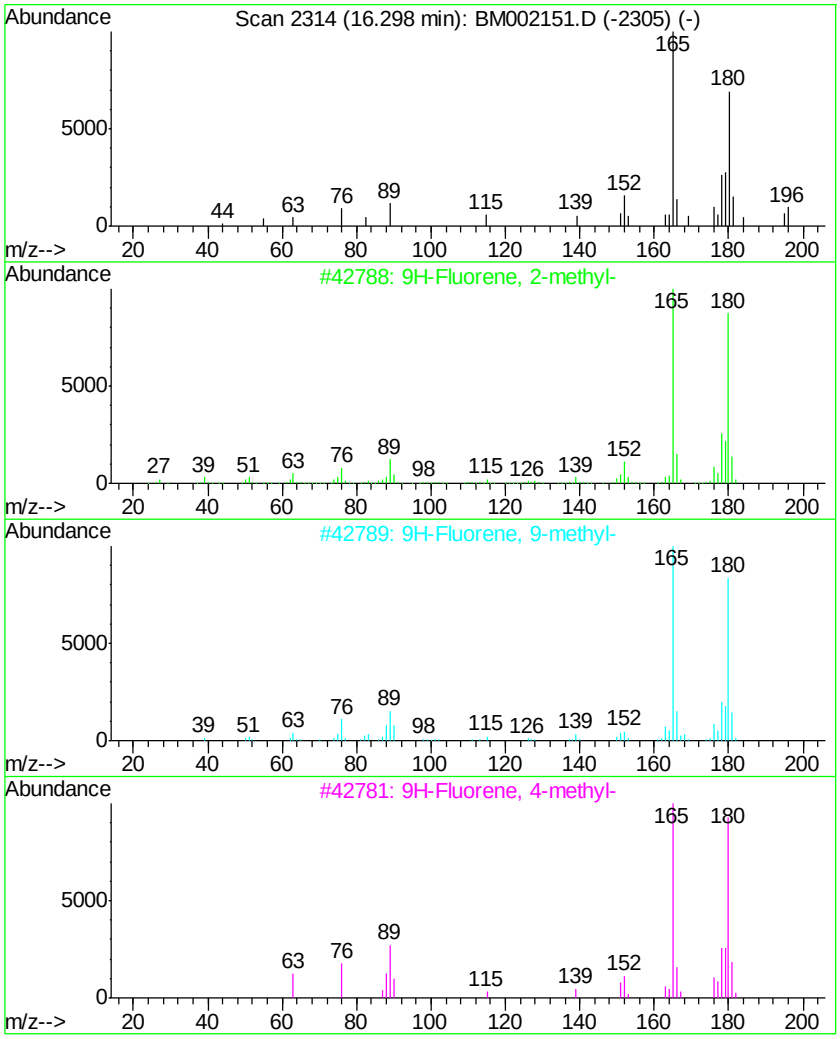
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

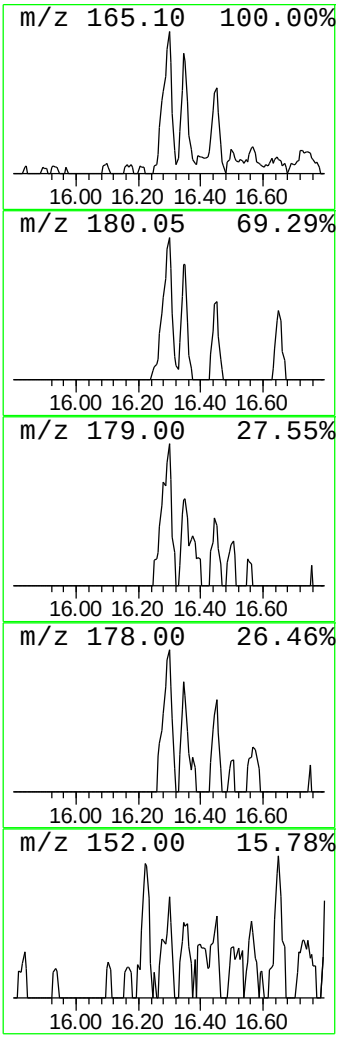
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	2.37 ng/ul	59720	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

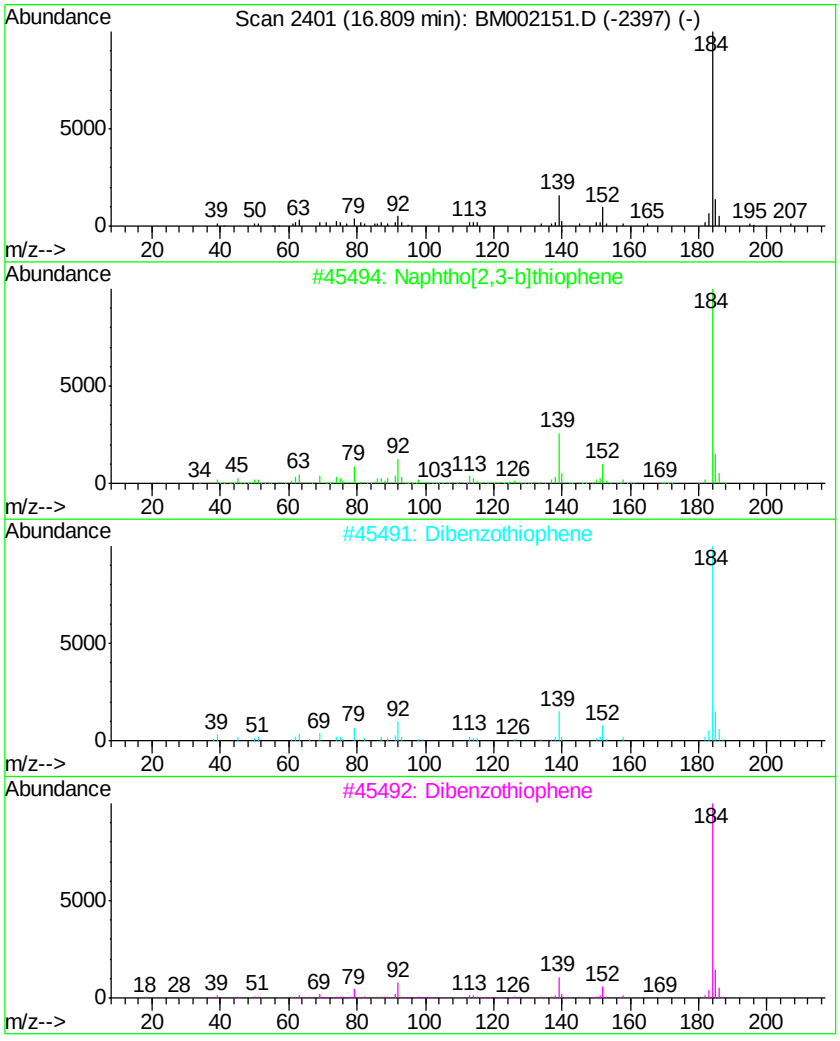
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

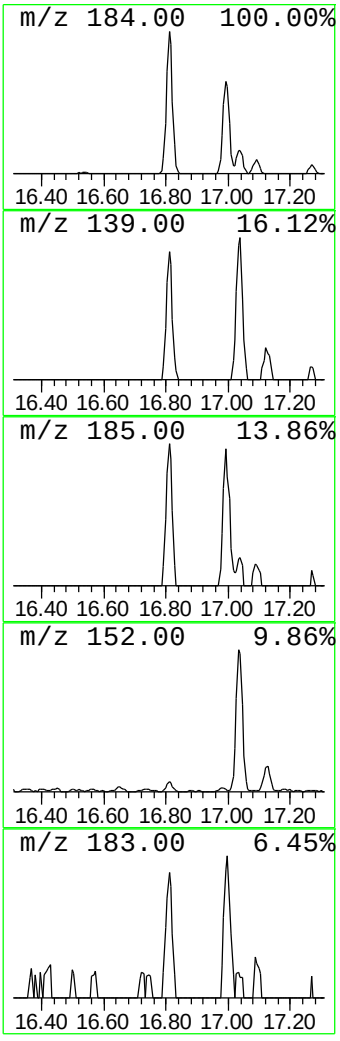
****

Peak Number 3 Naphtho[2,3-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	3.68 ng/ul	92638	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

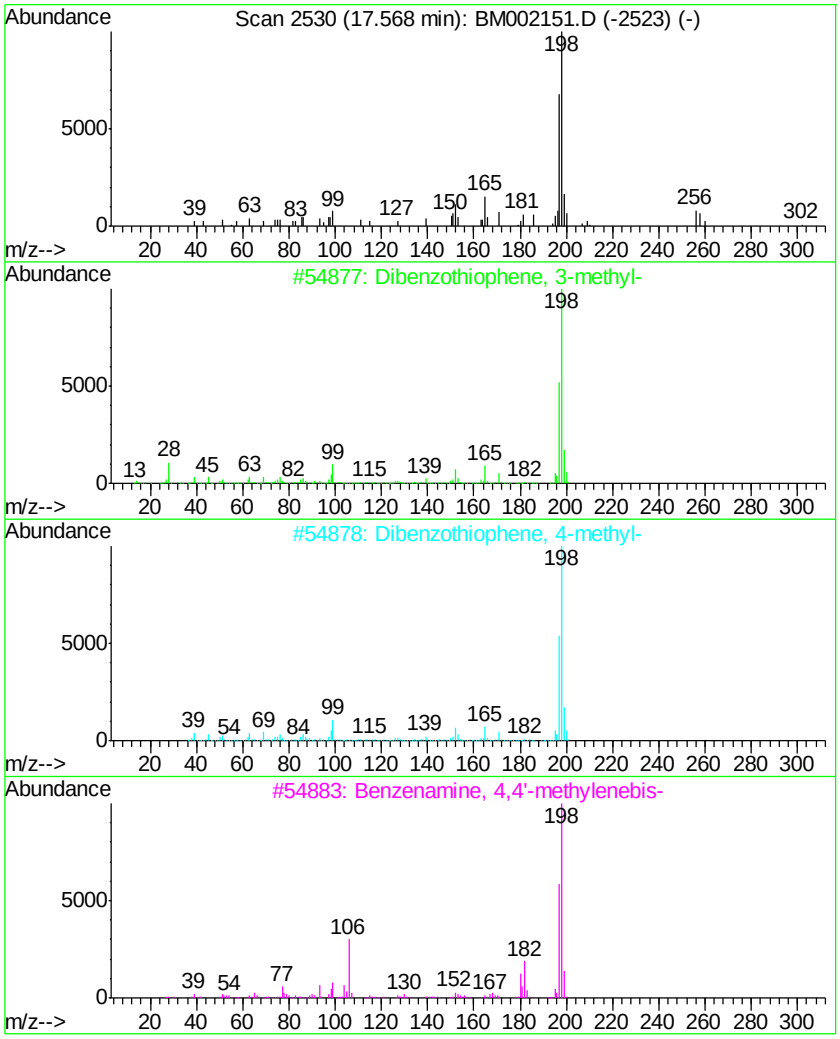
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

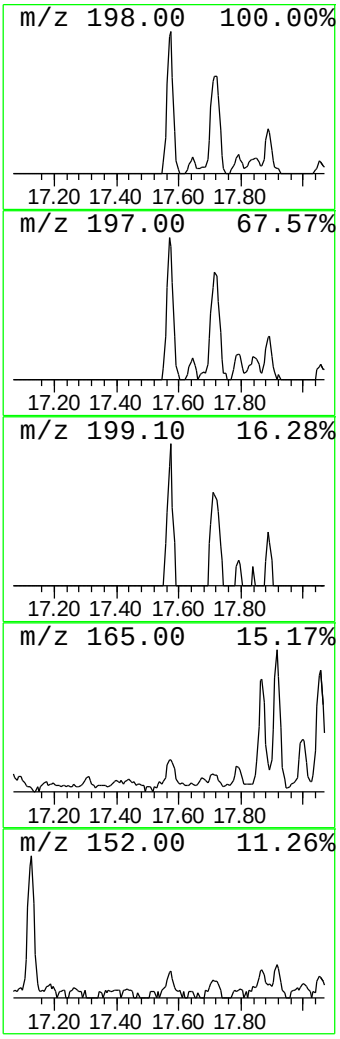
****

Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	4.75 ng/ul	119585	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	68
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

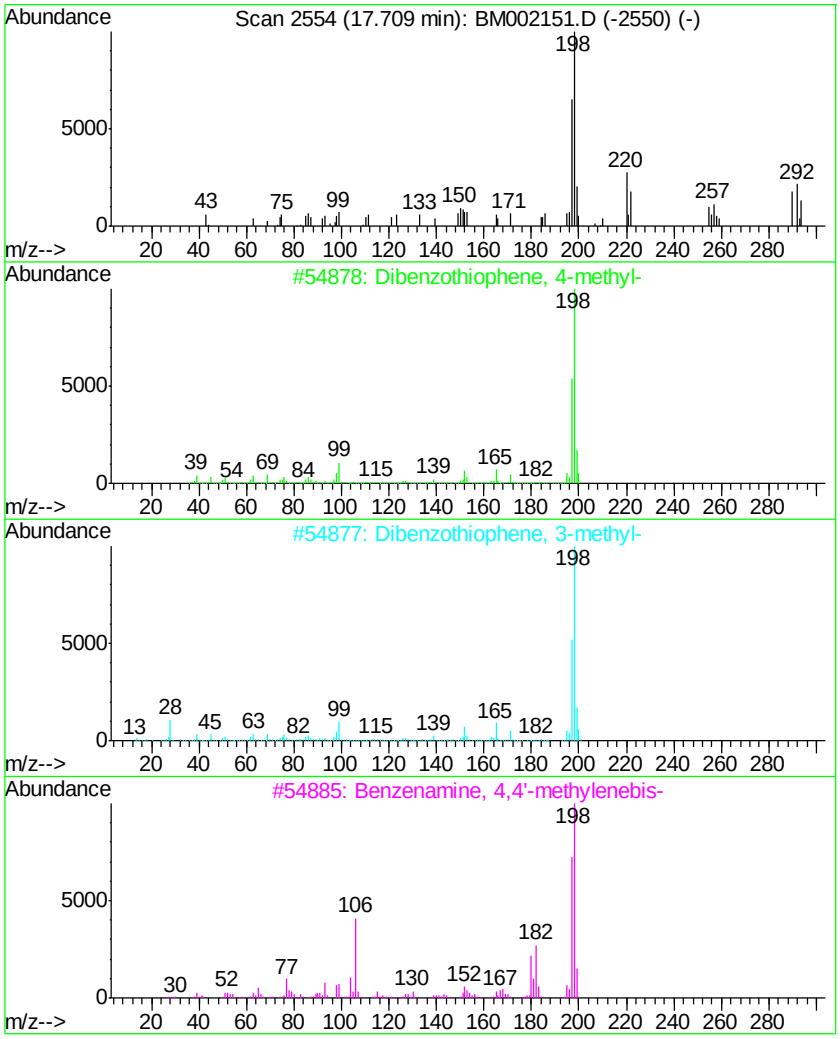
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

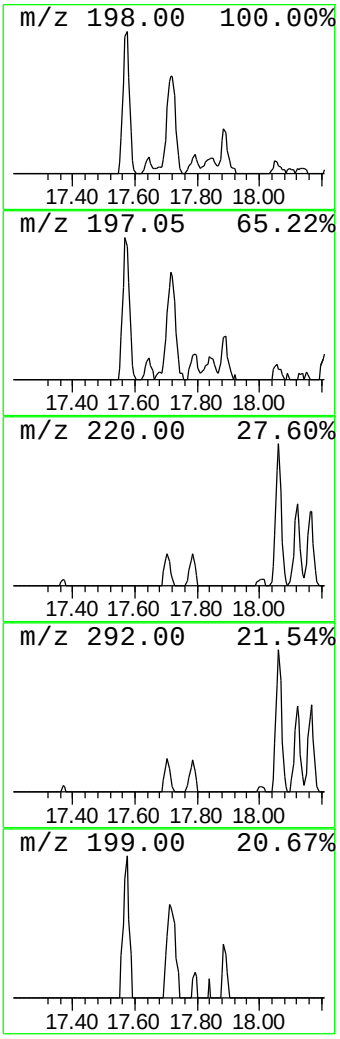
****

Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	2.95 ng/ul	74313	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	60
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
4	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	49
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

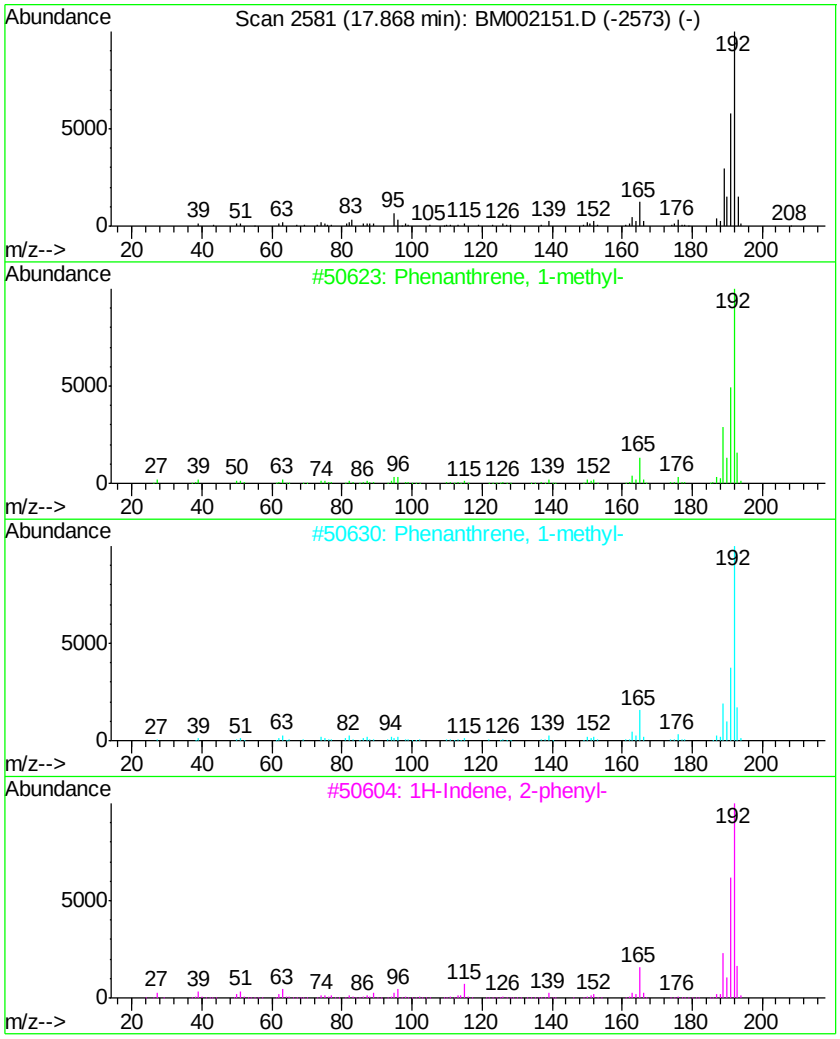
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

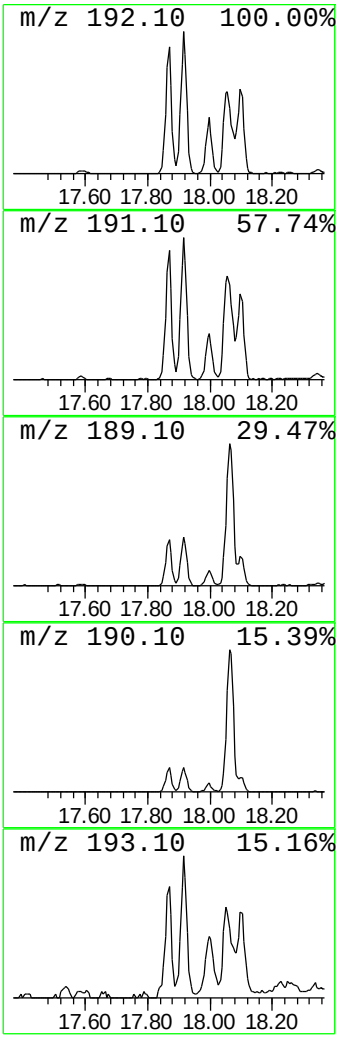
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	11.00 ng/ul	276642	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

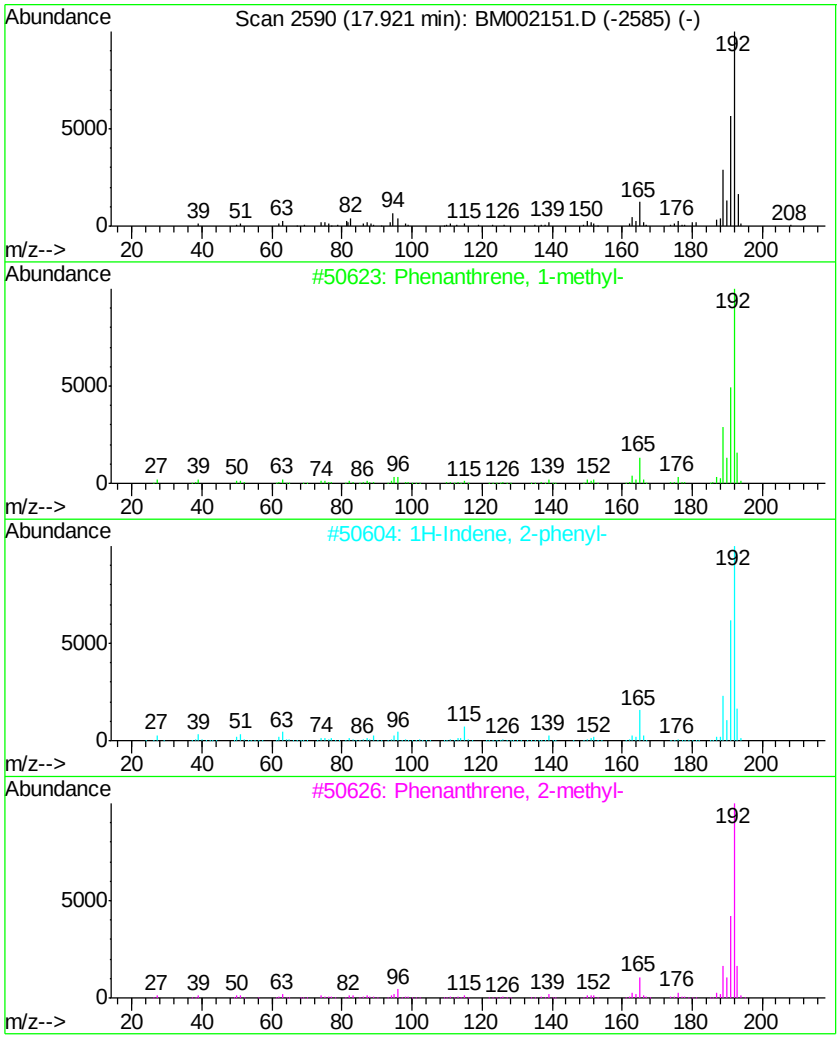
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

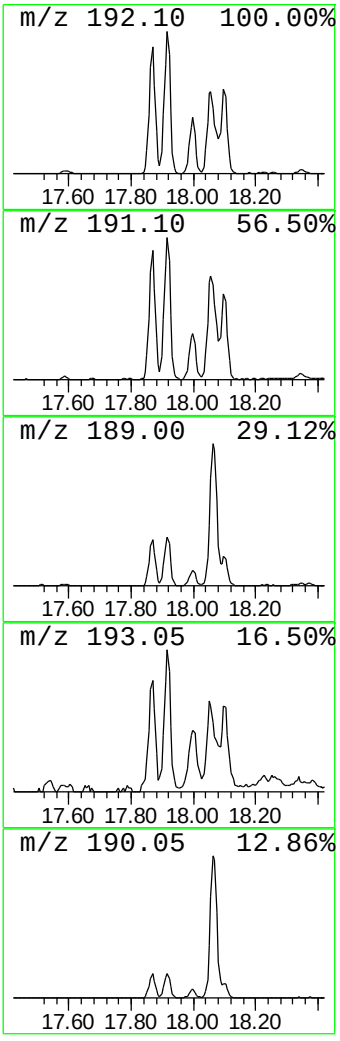
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	11.80 ng/ul	296825	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-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

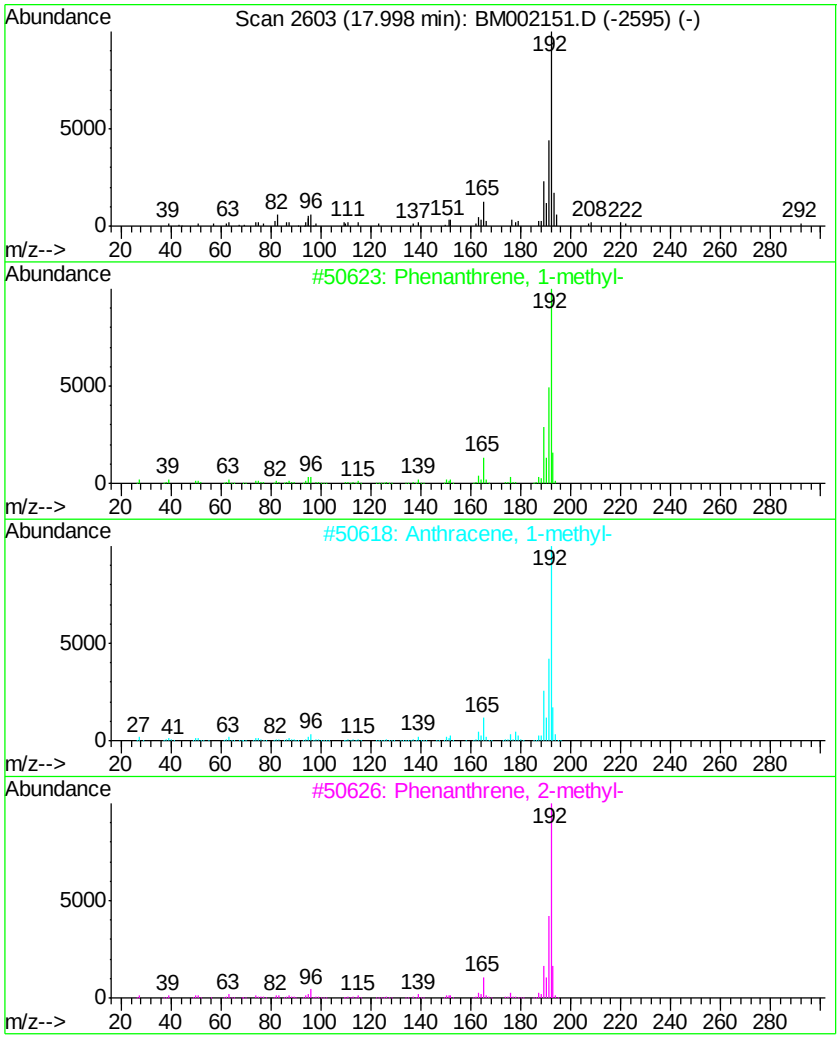
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

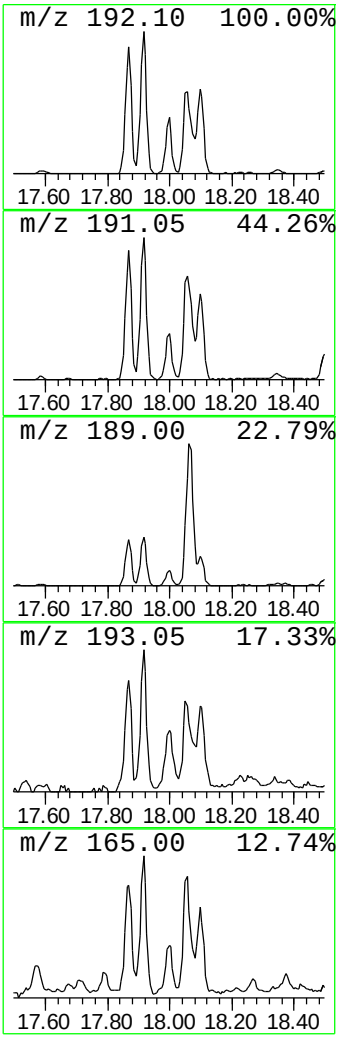
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	4.75 ng/ul	119407	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

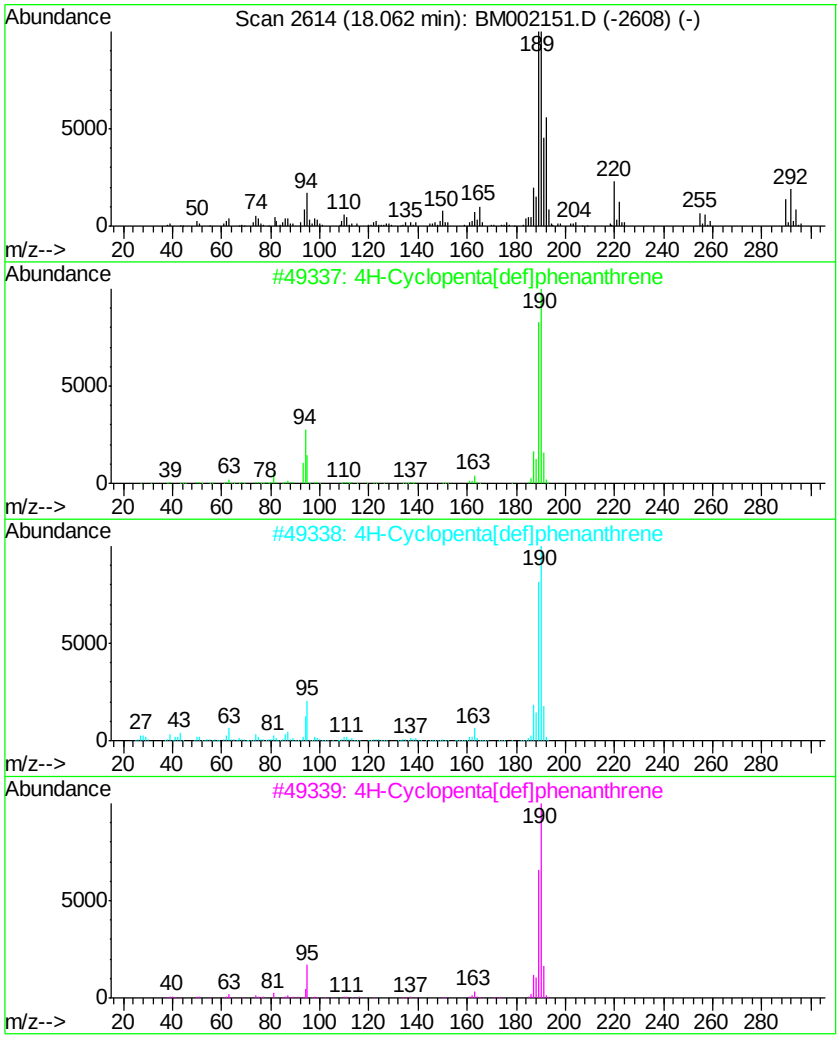
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

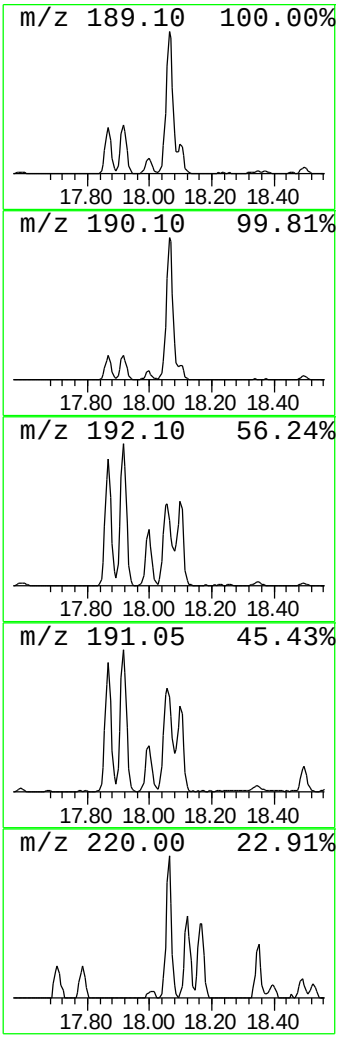
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	23.44 ng/ul	589630	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	8H-Imidazo[4,5-E]-2,1,3-benzothi...	190	C8H6N4S	129485-68-3	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

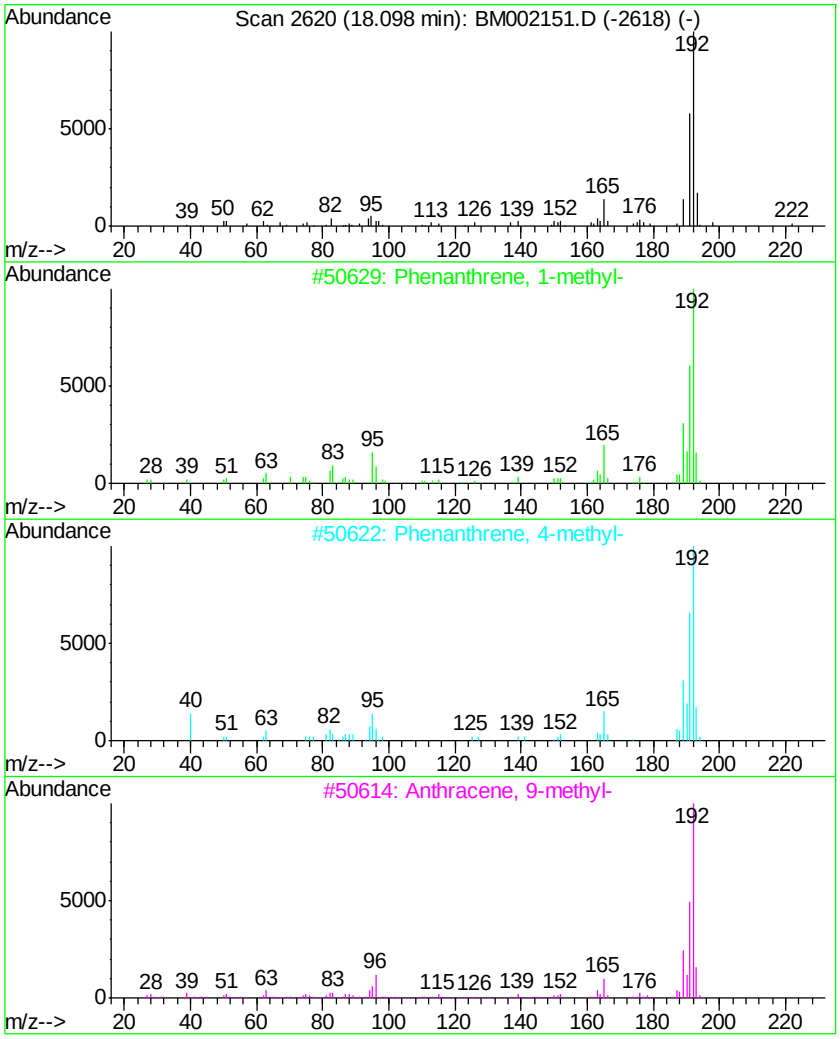
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

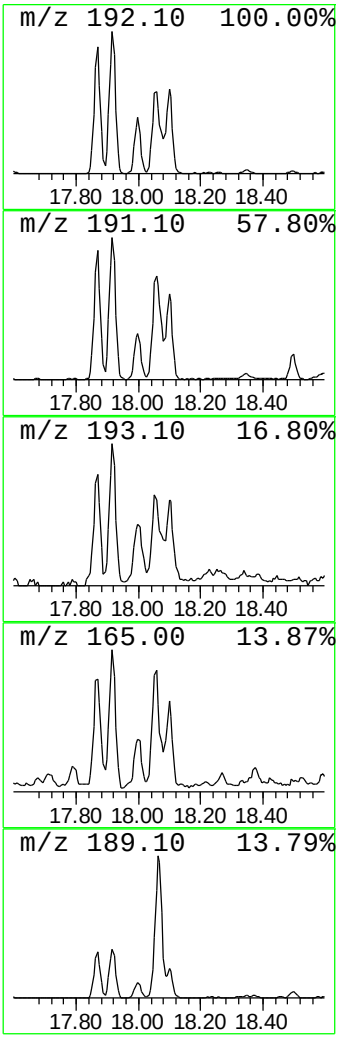
****

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	8.75 ng/ul	220182	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

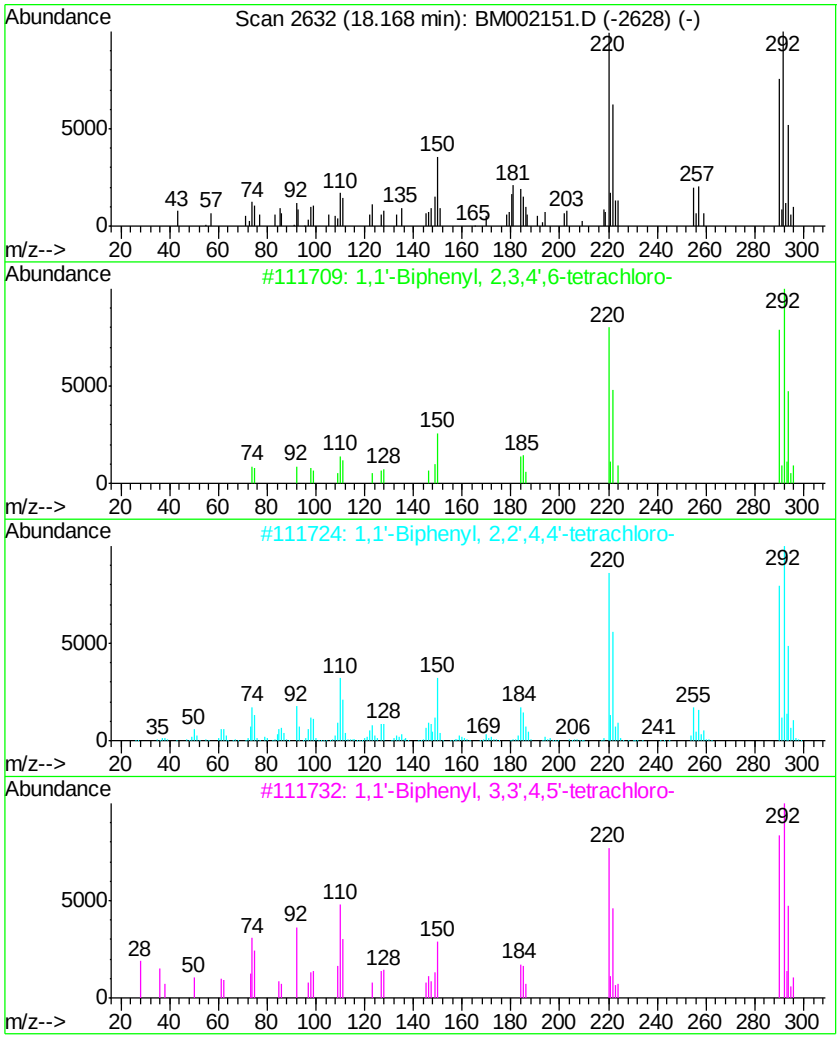
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

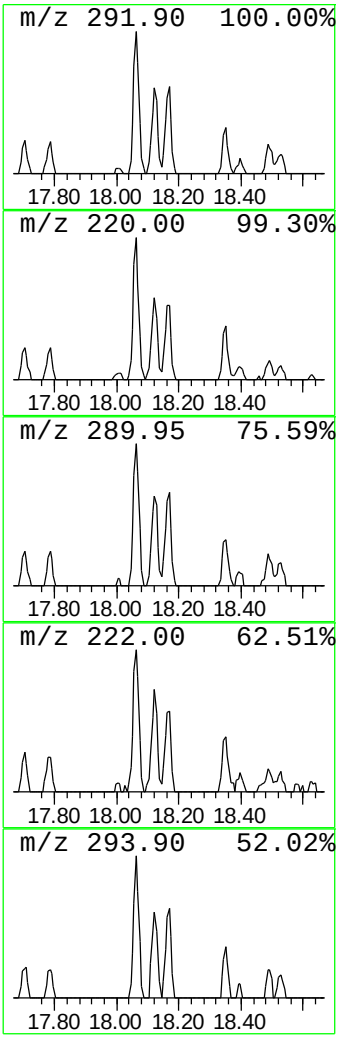
****

Peak Number 11 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.97 ng/ul	74751	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	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	98
4	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	98
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

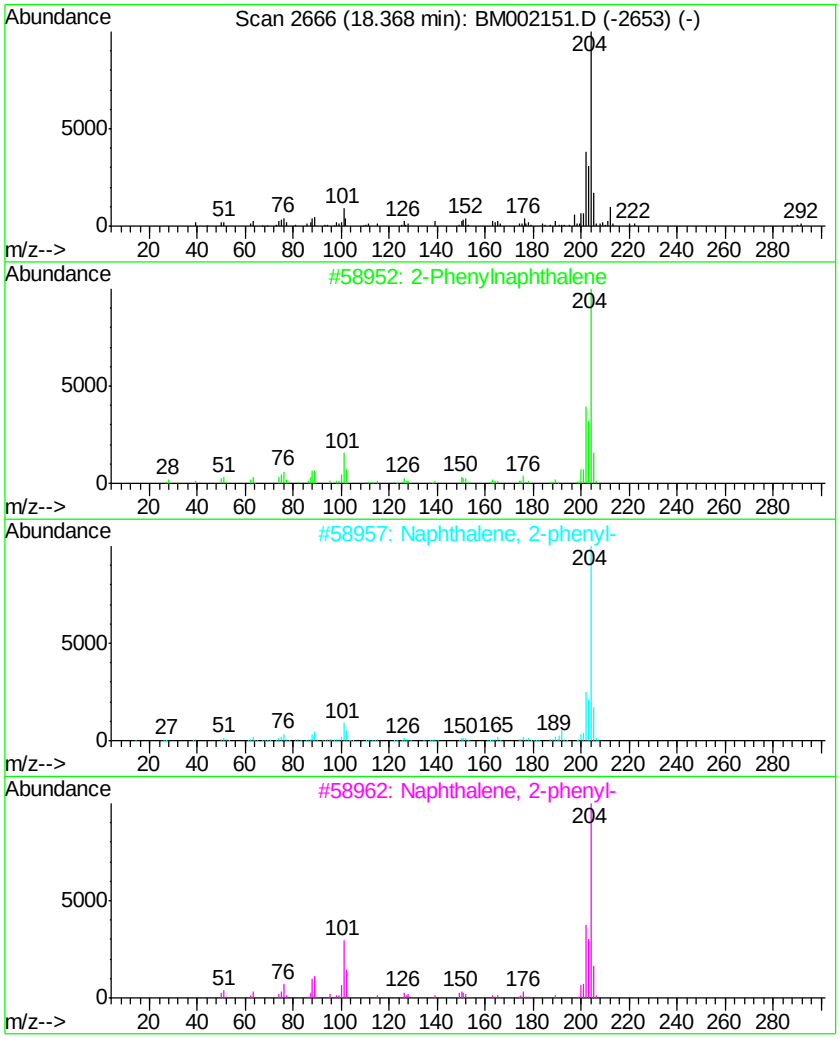
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

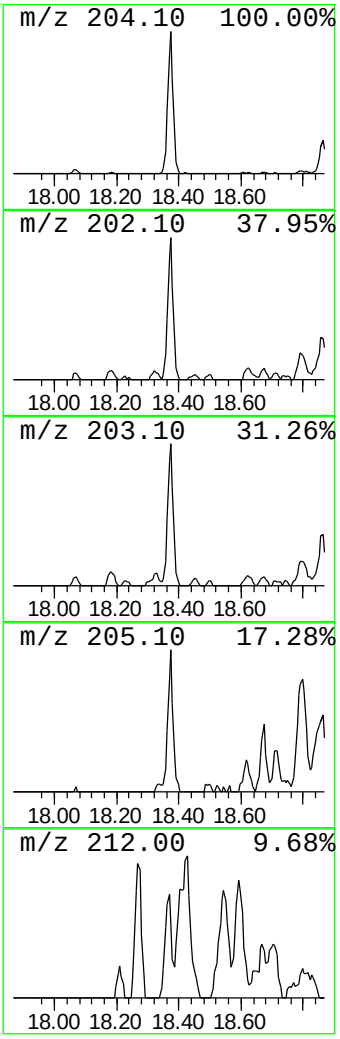
****

Peak Number 12 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	10.16 ng/ul	255553	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

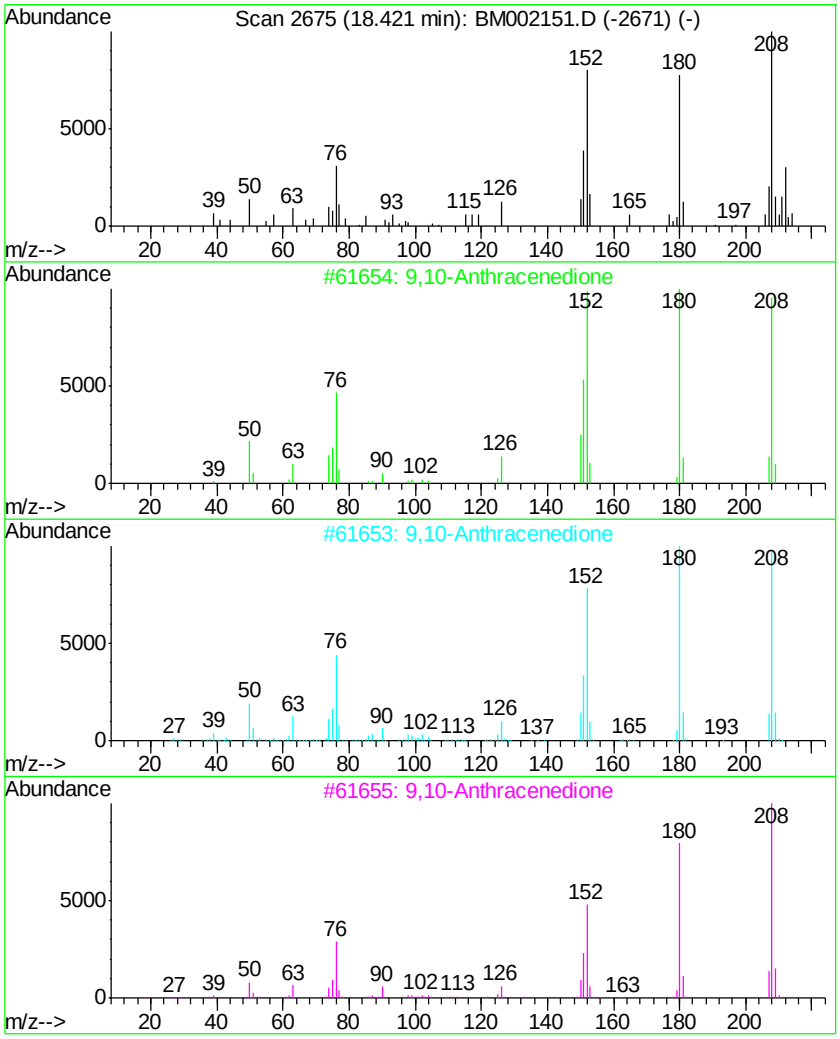
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

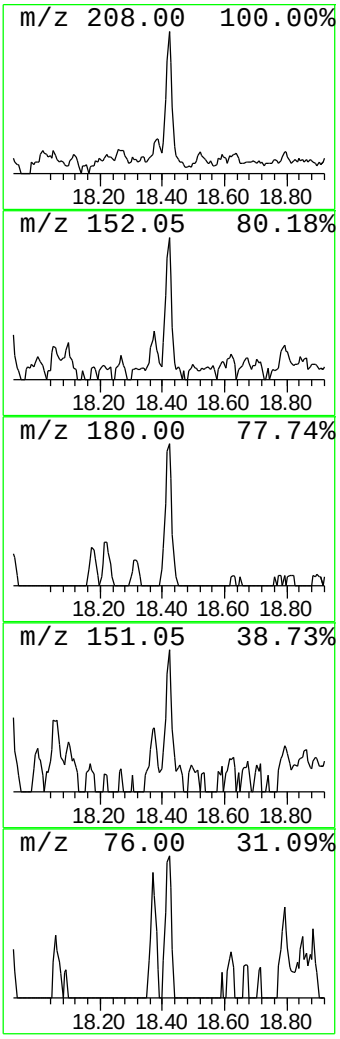
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.03 ng/ul	51065	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

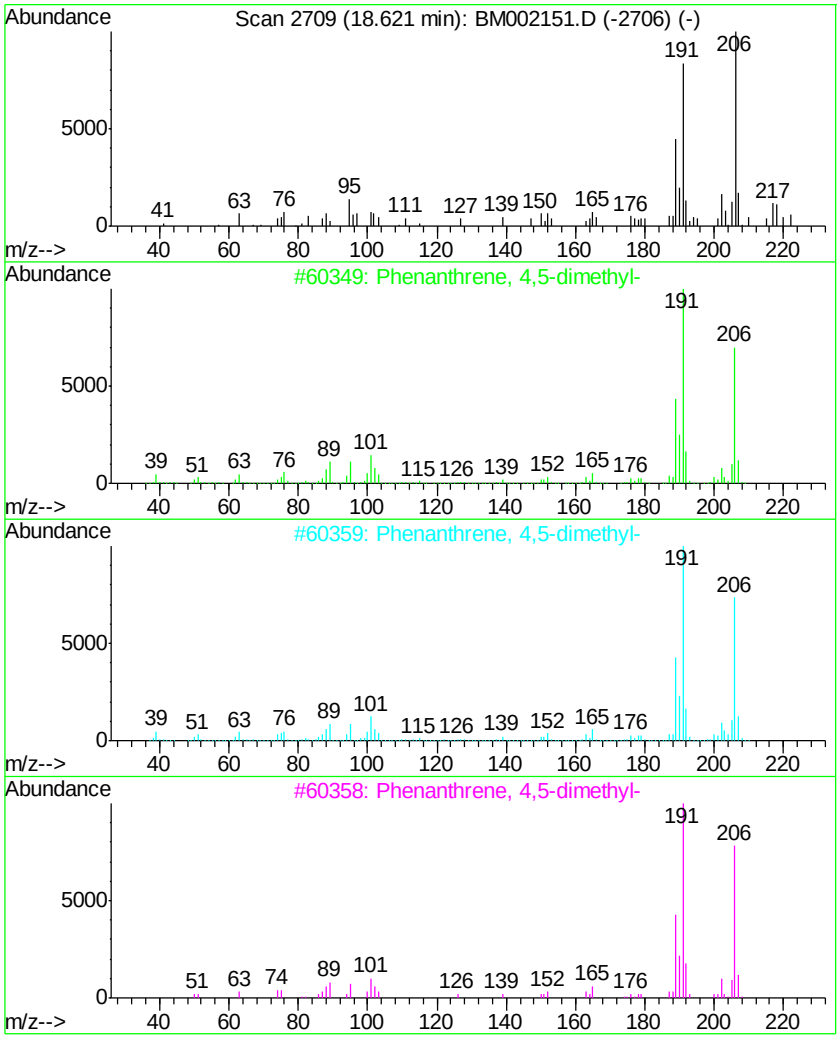
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

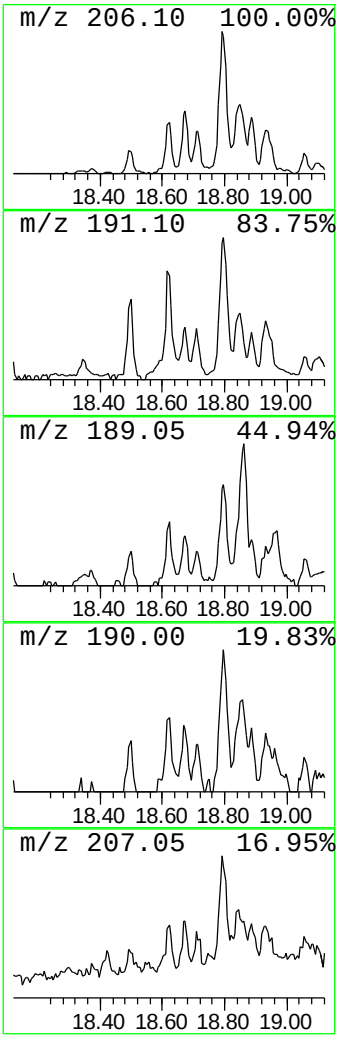
****

Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.18 ng/ul	54916	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	74
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

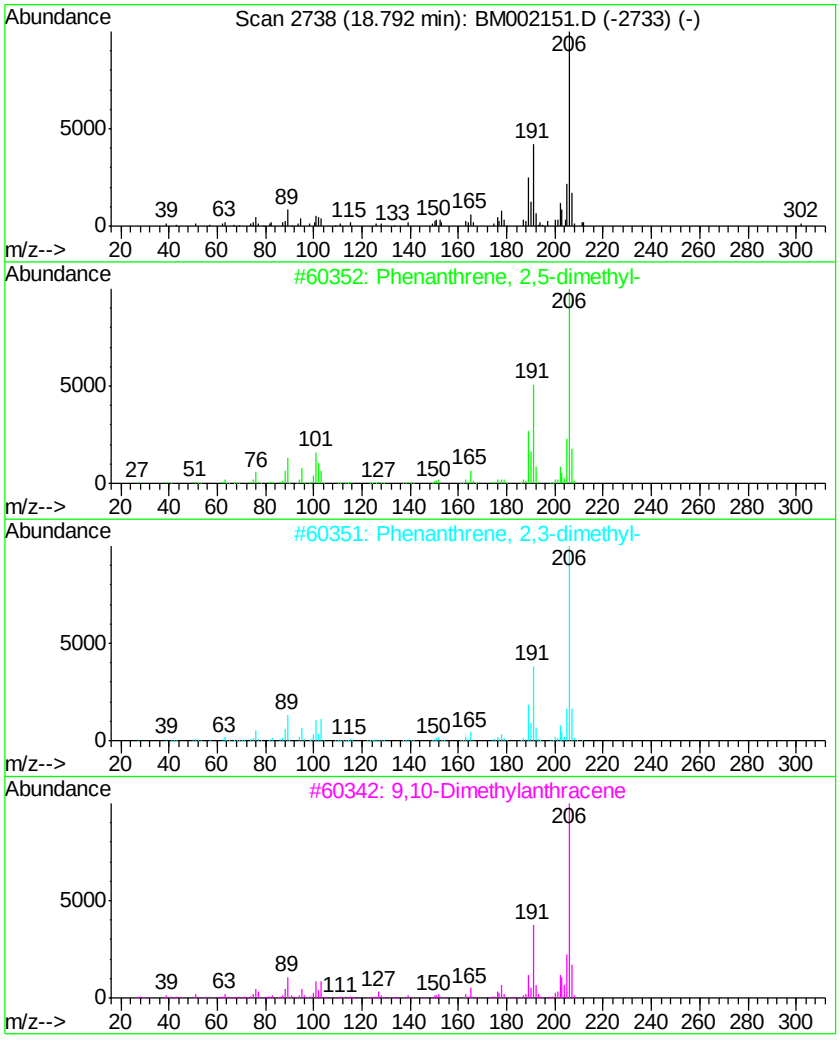
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

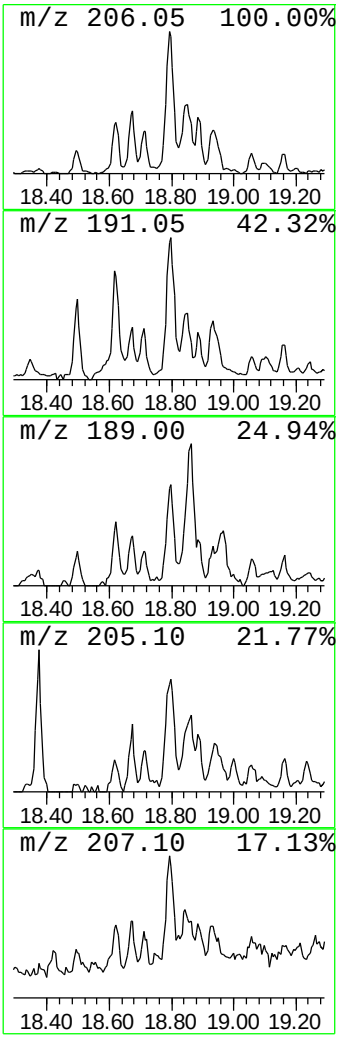
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	7.26 ng/ul	182492	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

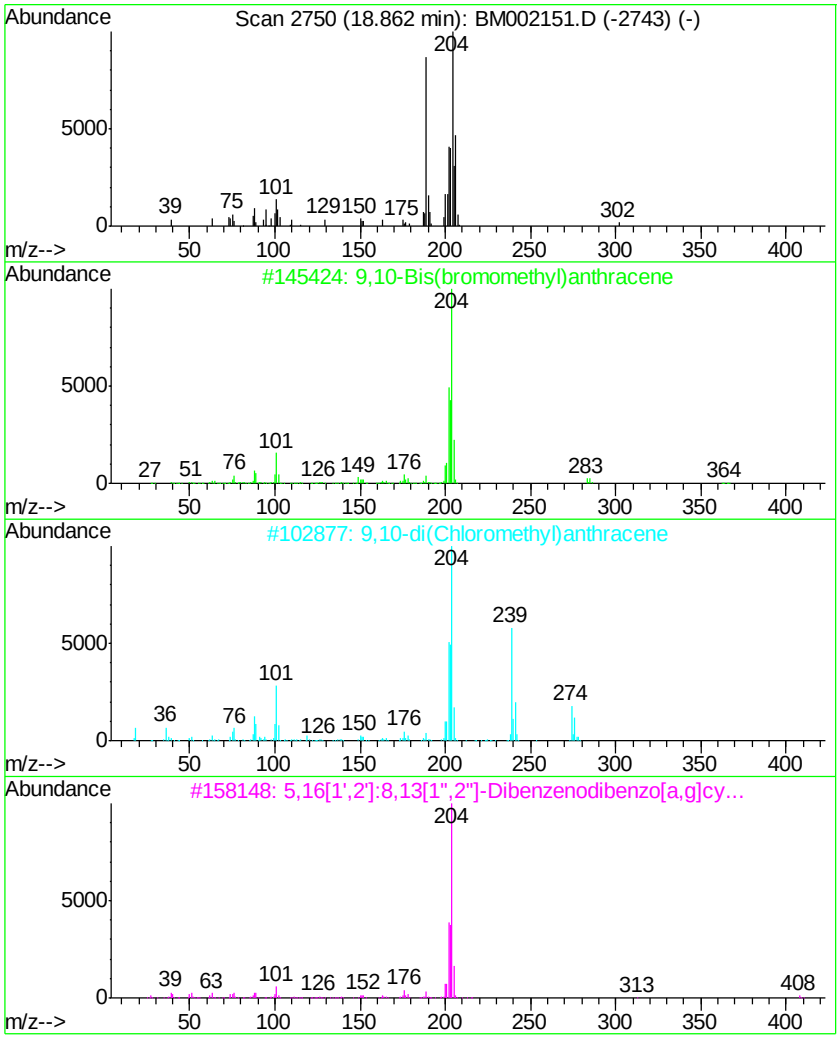
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

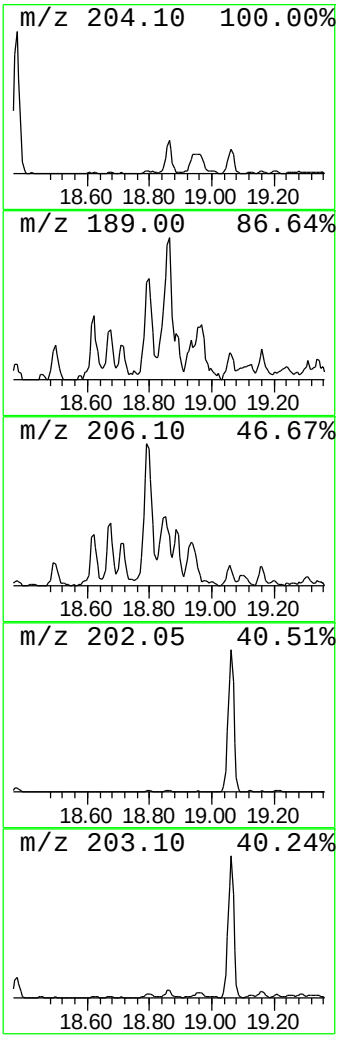
****

Peak Number 16 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	3.35 ng/ul	84367	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	22





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

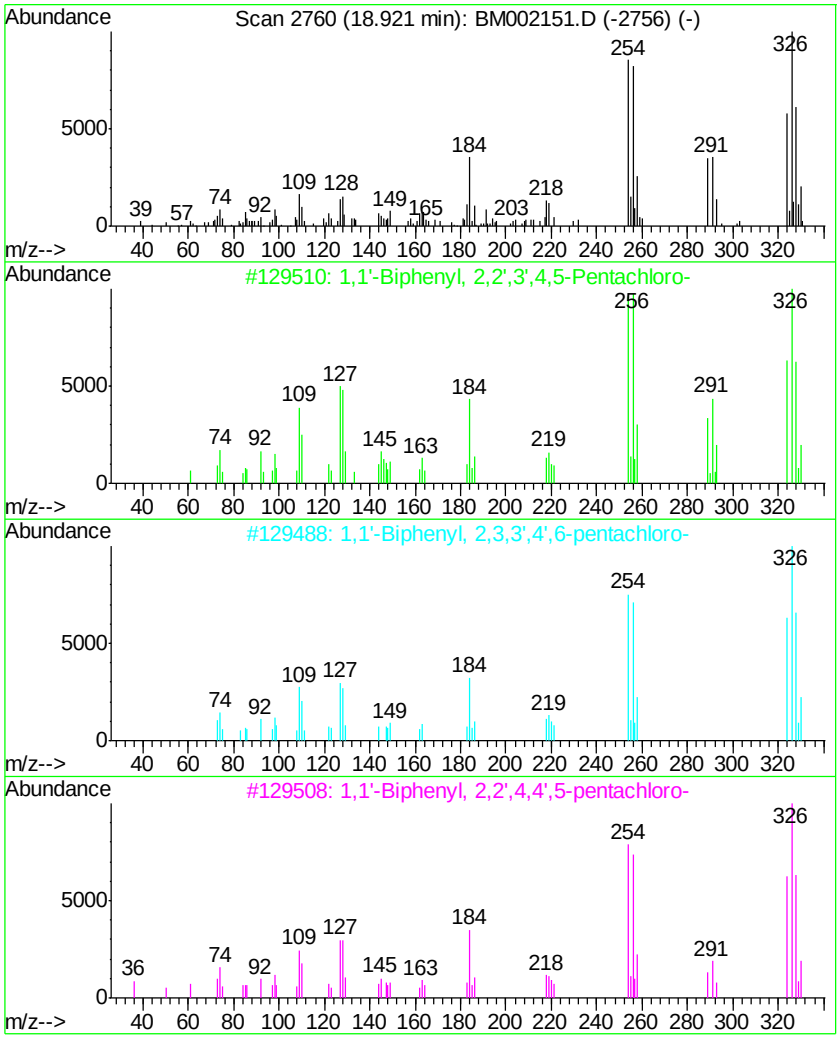
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

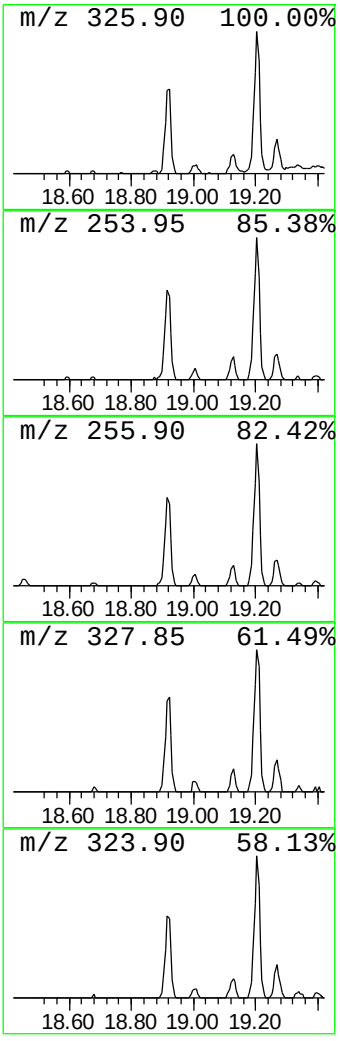
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	12.42 ng/ul	312428	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, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

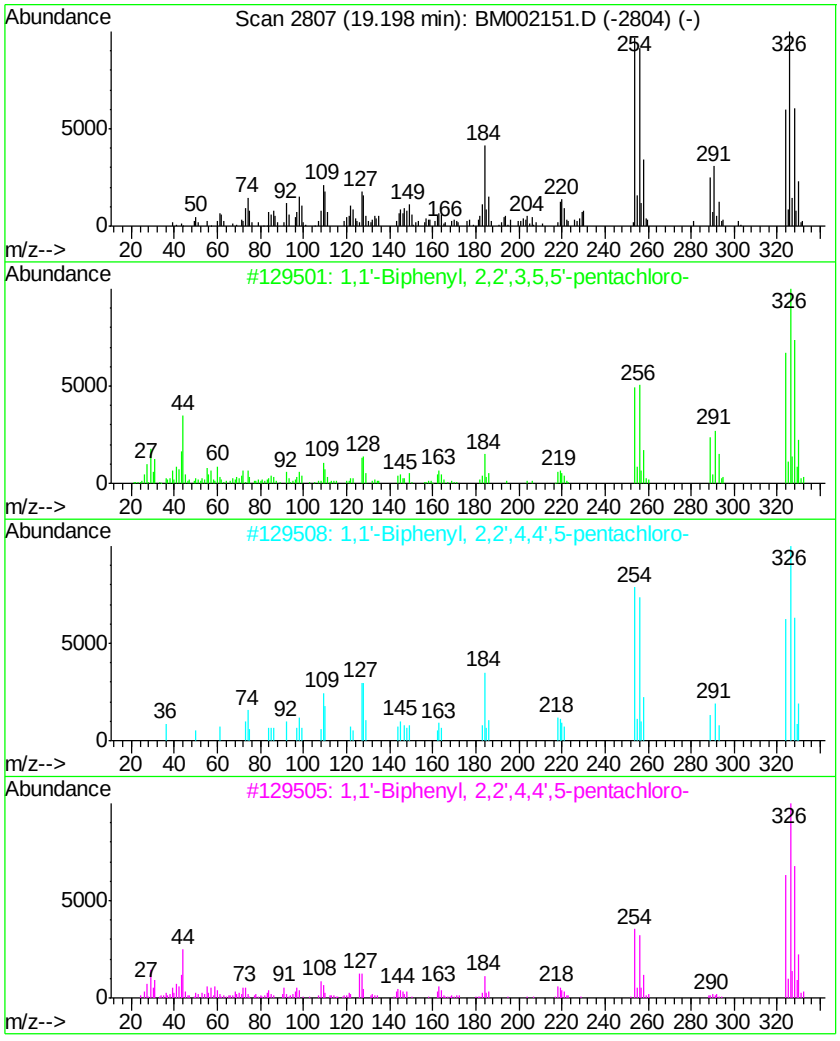
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

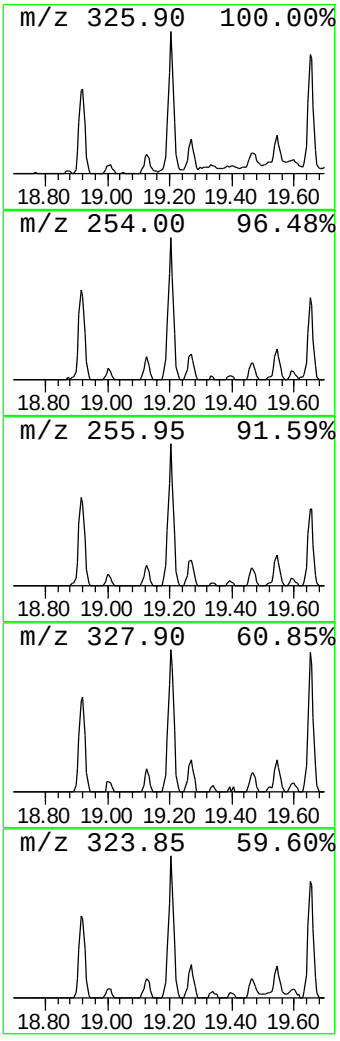
****

Peak Number 18 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	4.12 ng/ul	315506	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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

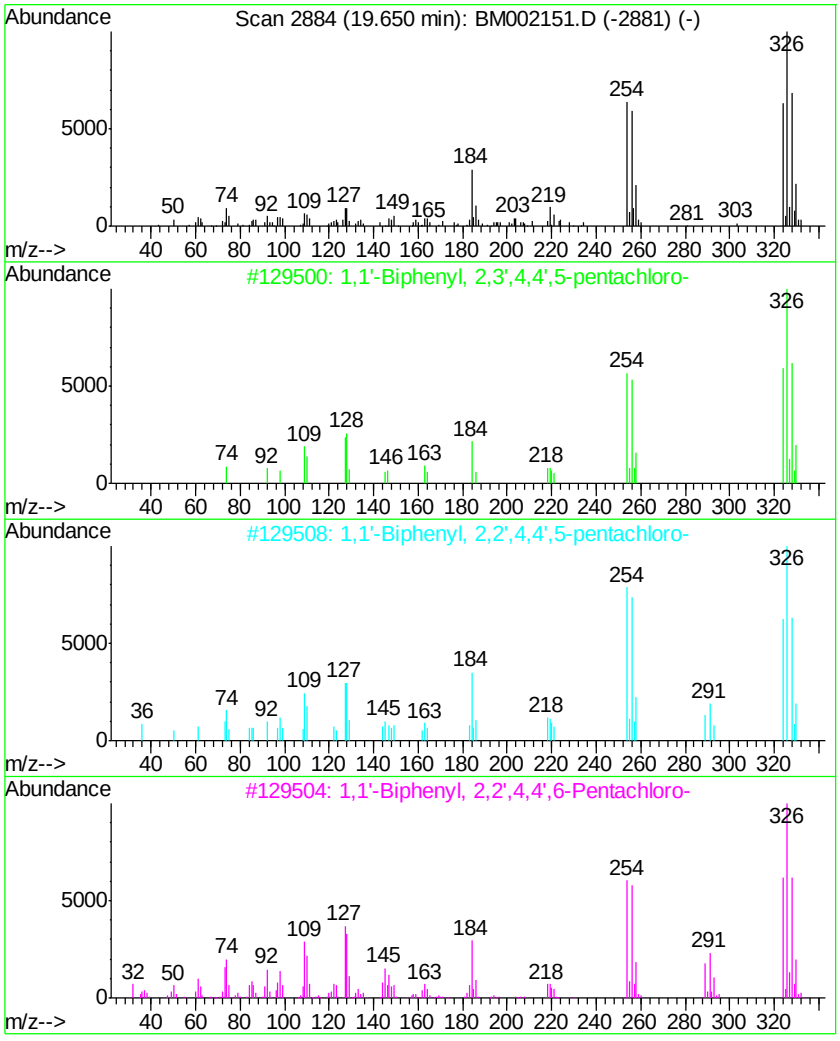
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

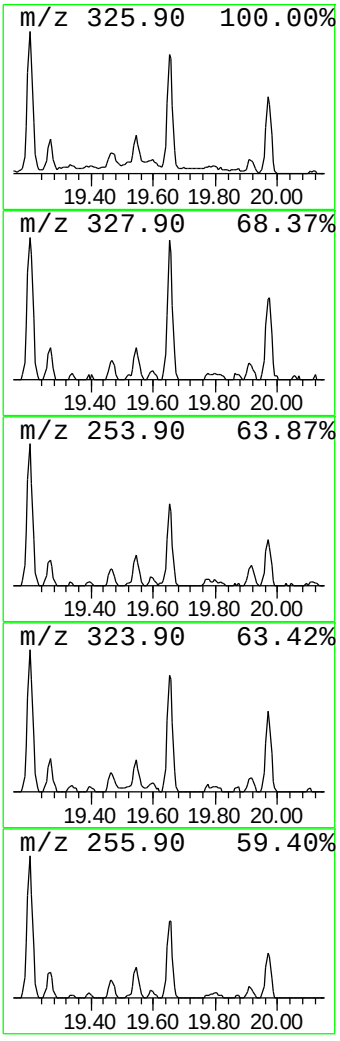
****

Peak Number 19 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	3.54 ng/ul	271336	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, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

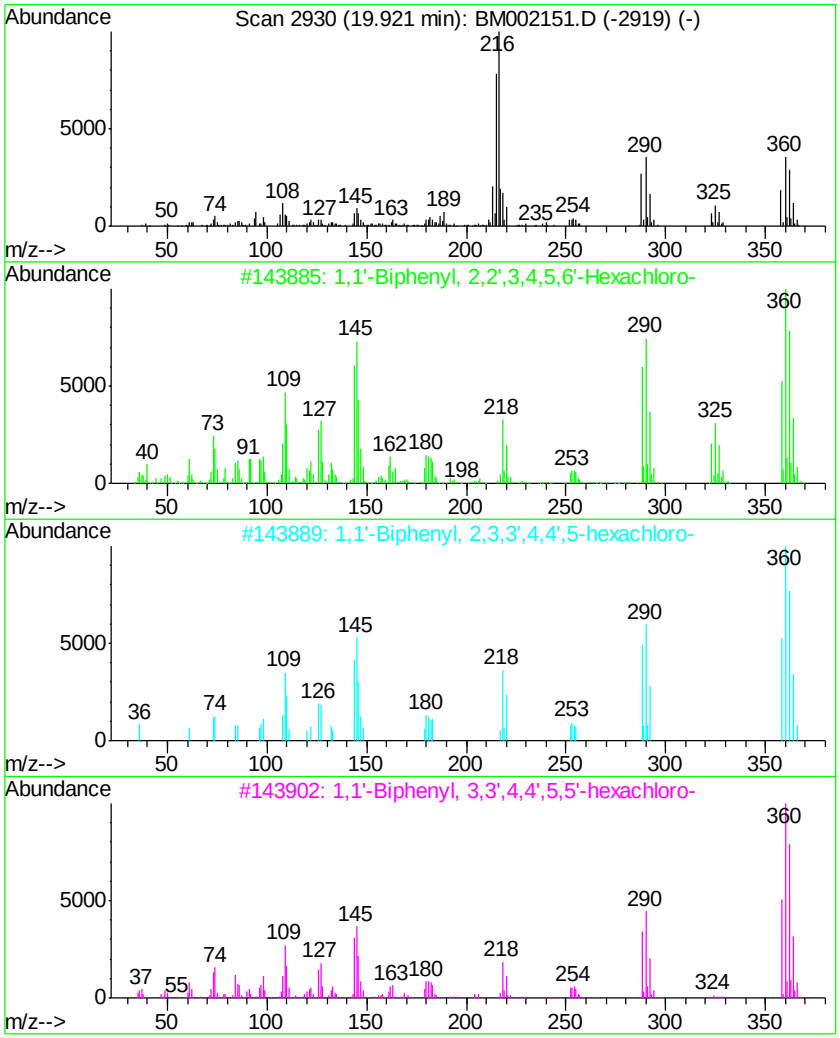
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

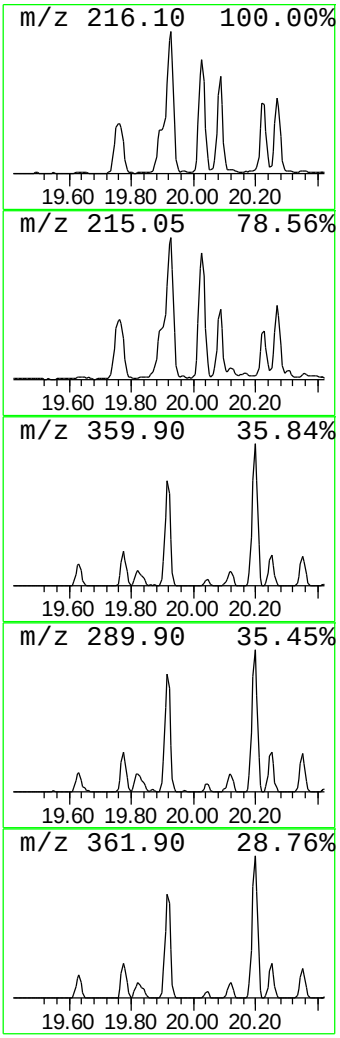
****

Peak Number 21 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	10.45 ng/ul	801058	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	97
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	97
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	96
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	96
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

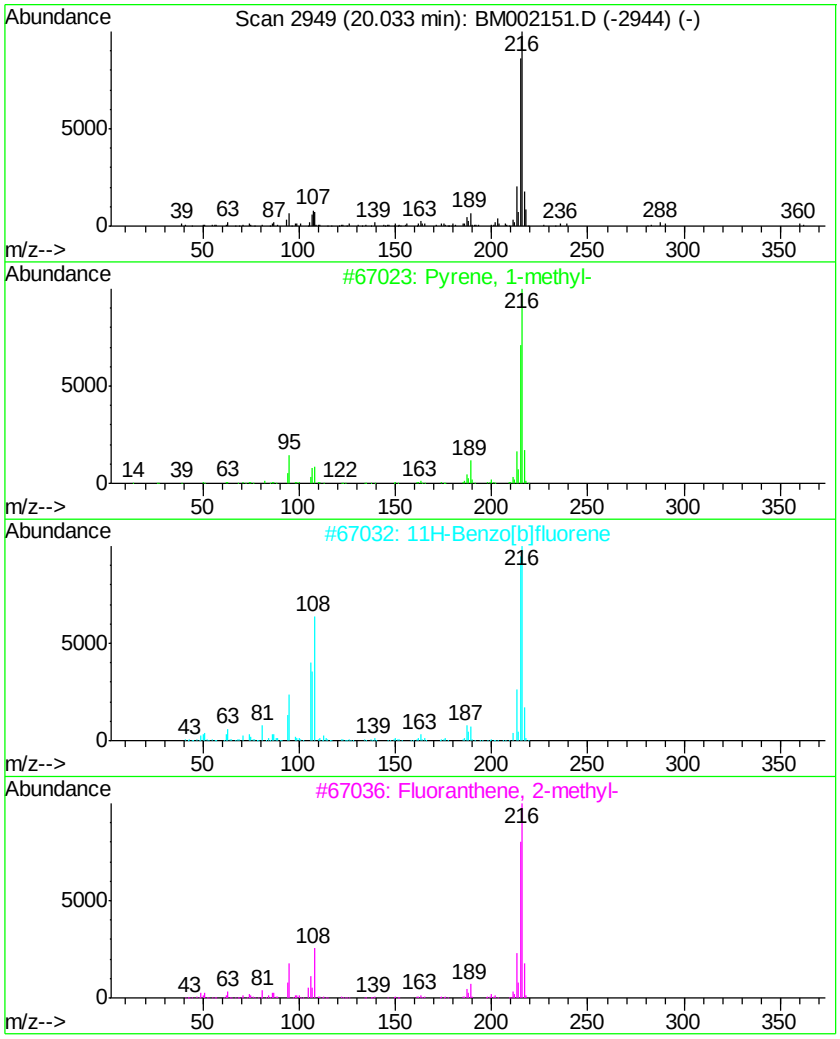
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

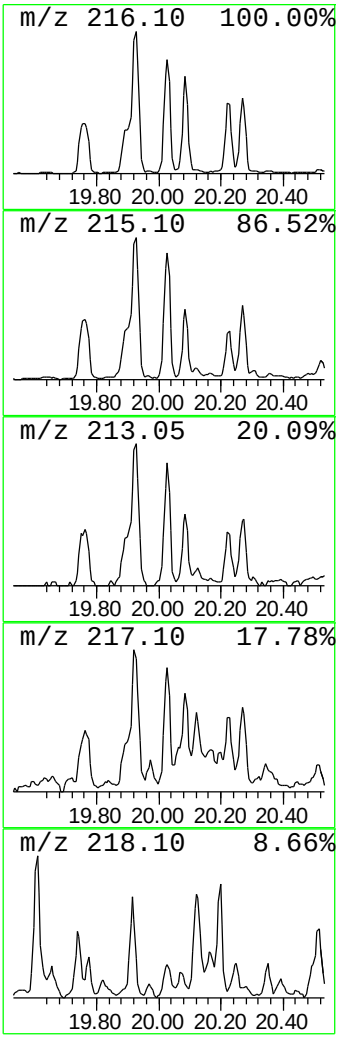
****

Peak Number 22 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	3.03 ng/ul	232324	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	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

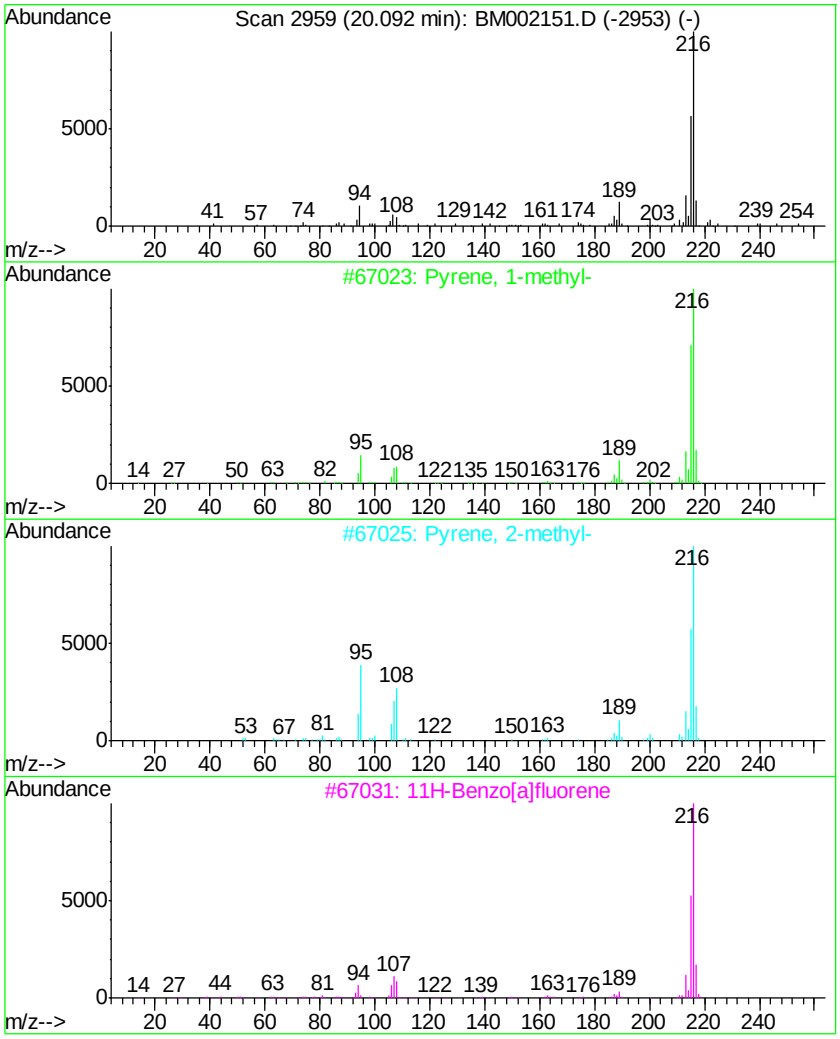
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

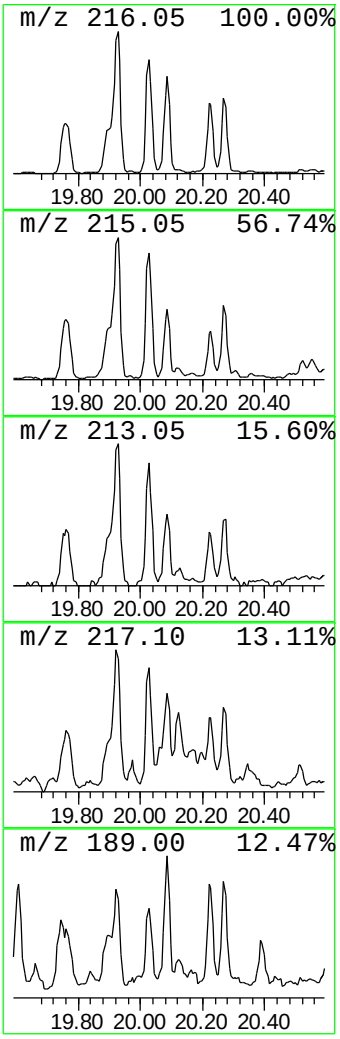
****

Peak Number 23 Pyrene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.20 ng/ul	168825	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

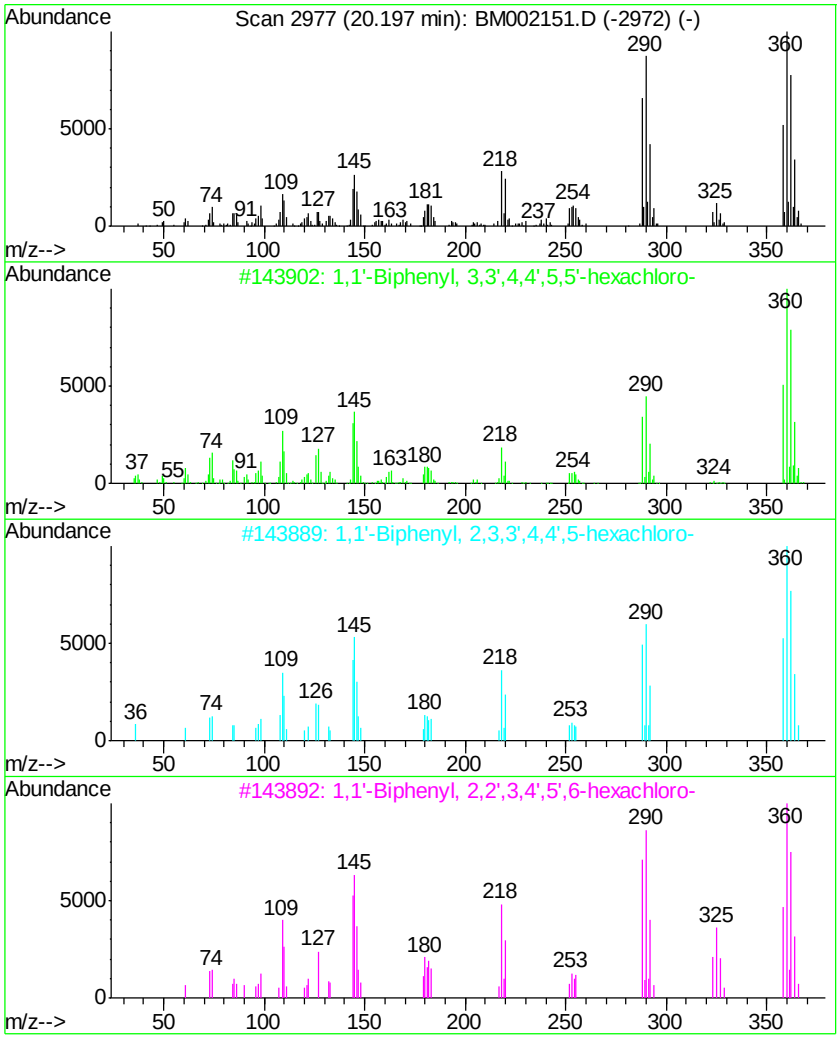
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

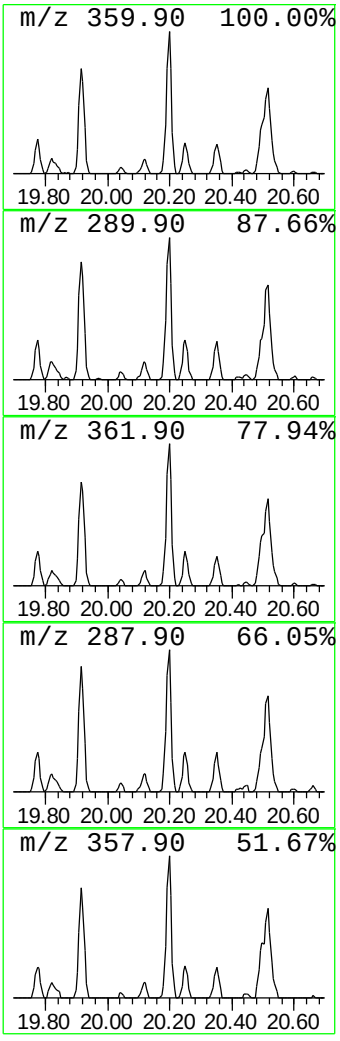
****

Peak Number 24 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	5.59 ng/ul	428535	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, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	95
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

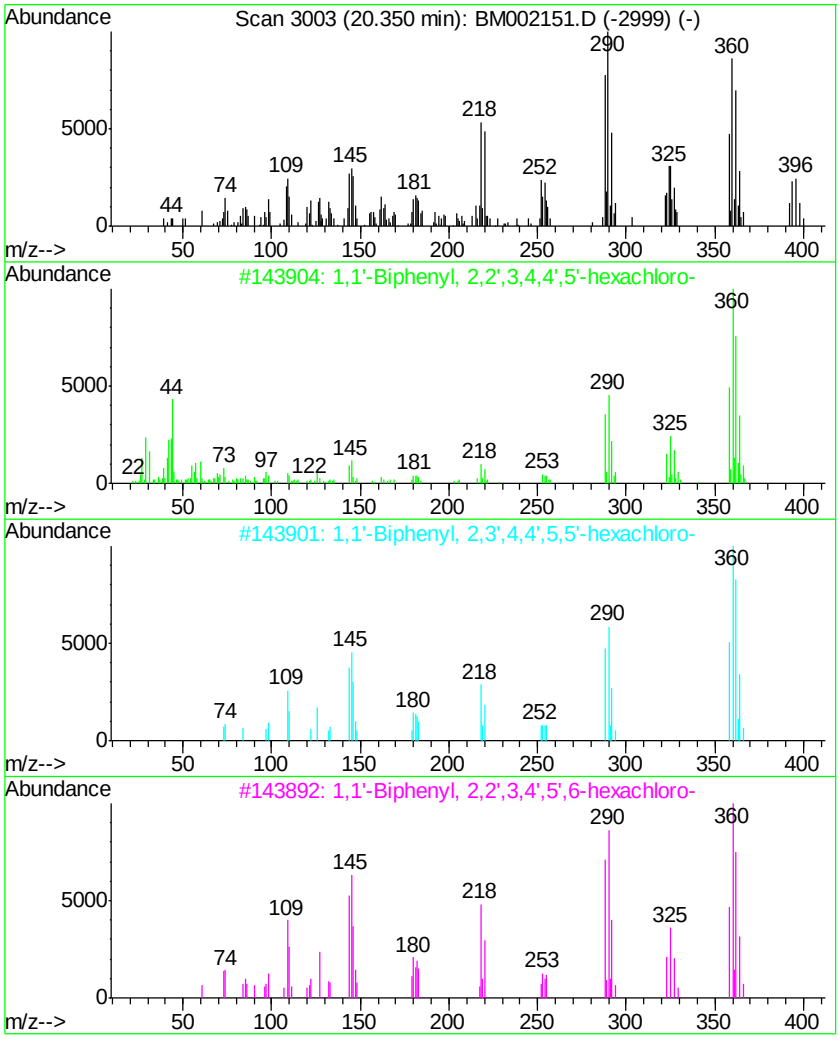
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

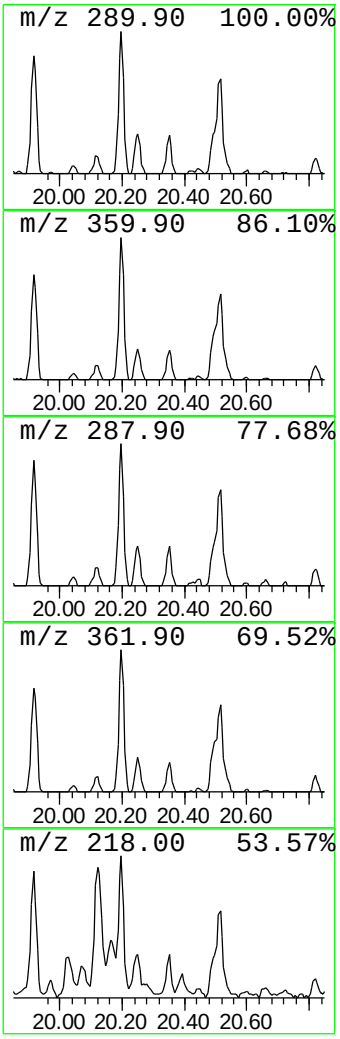
****

Peak Number 25 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	2.54 ng/ul	194608	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, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

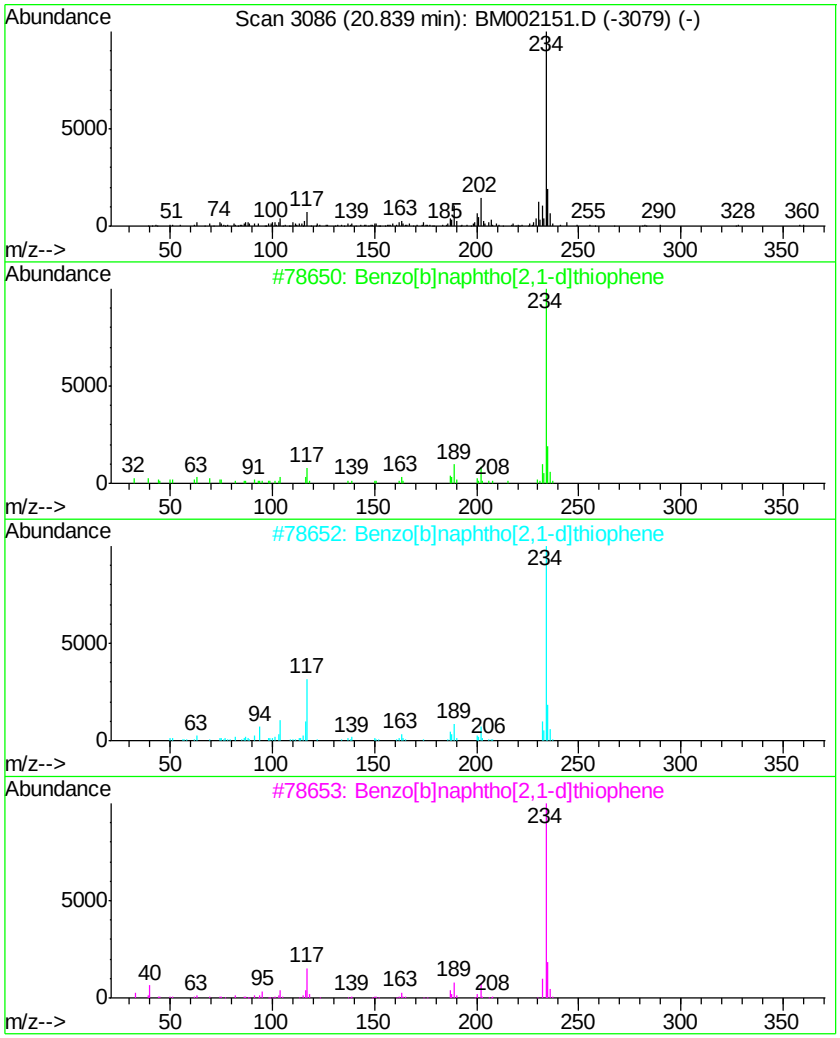
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

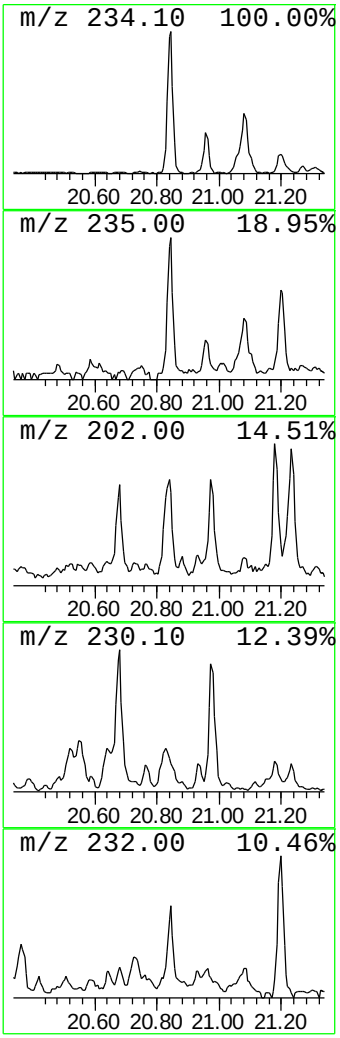
****

Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	3.88 ng/ul	297682	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

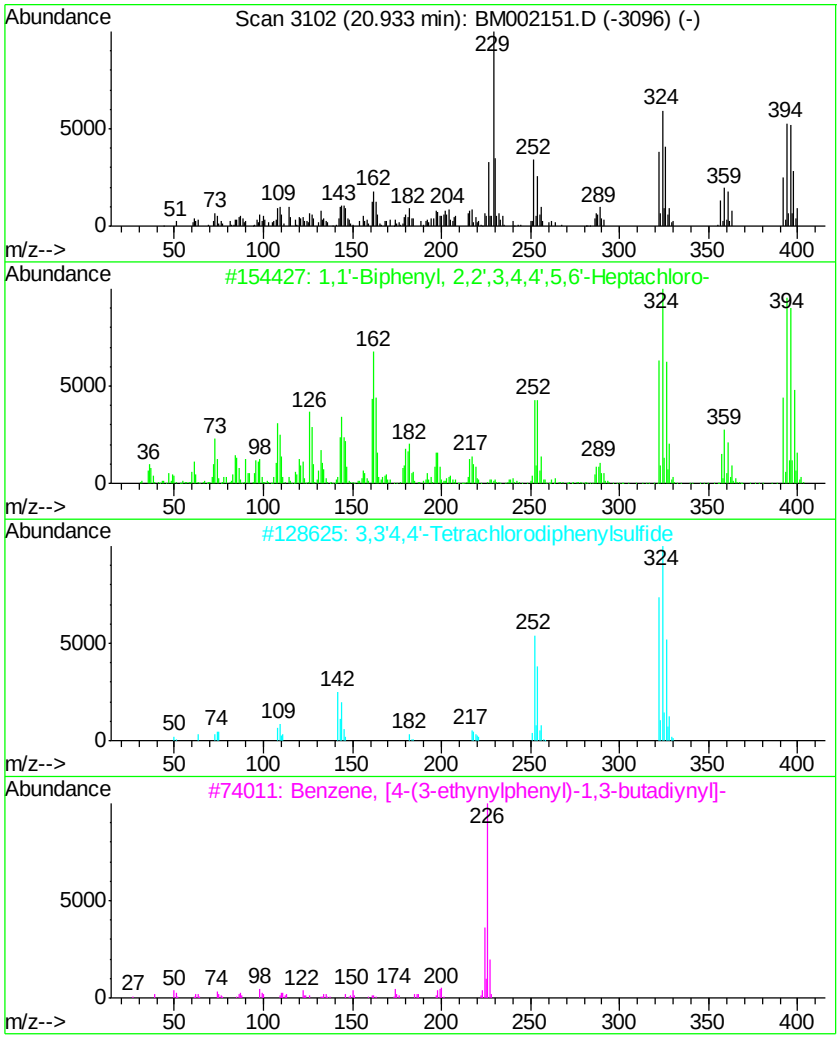
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

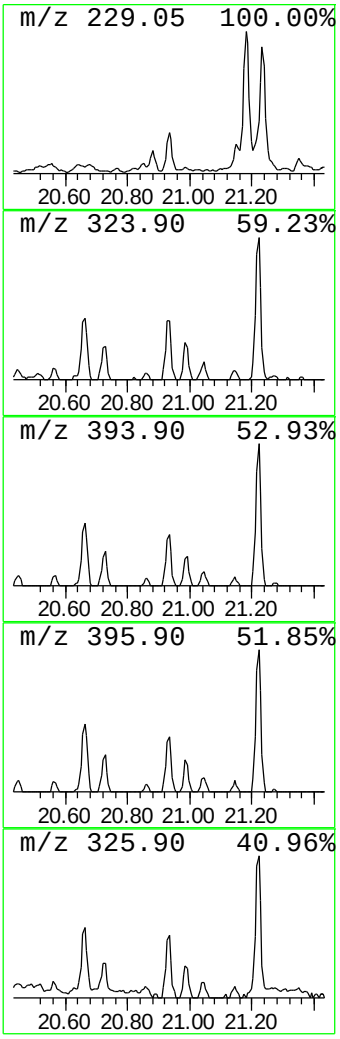
****

Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.66 ng/ul	280659	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	3,3'4,4'-Tetrachlorodiphenylsulfide	322	C12H6Cl4S	076745-12-5	15
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	15
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	11
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	11





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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

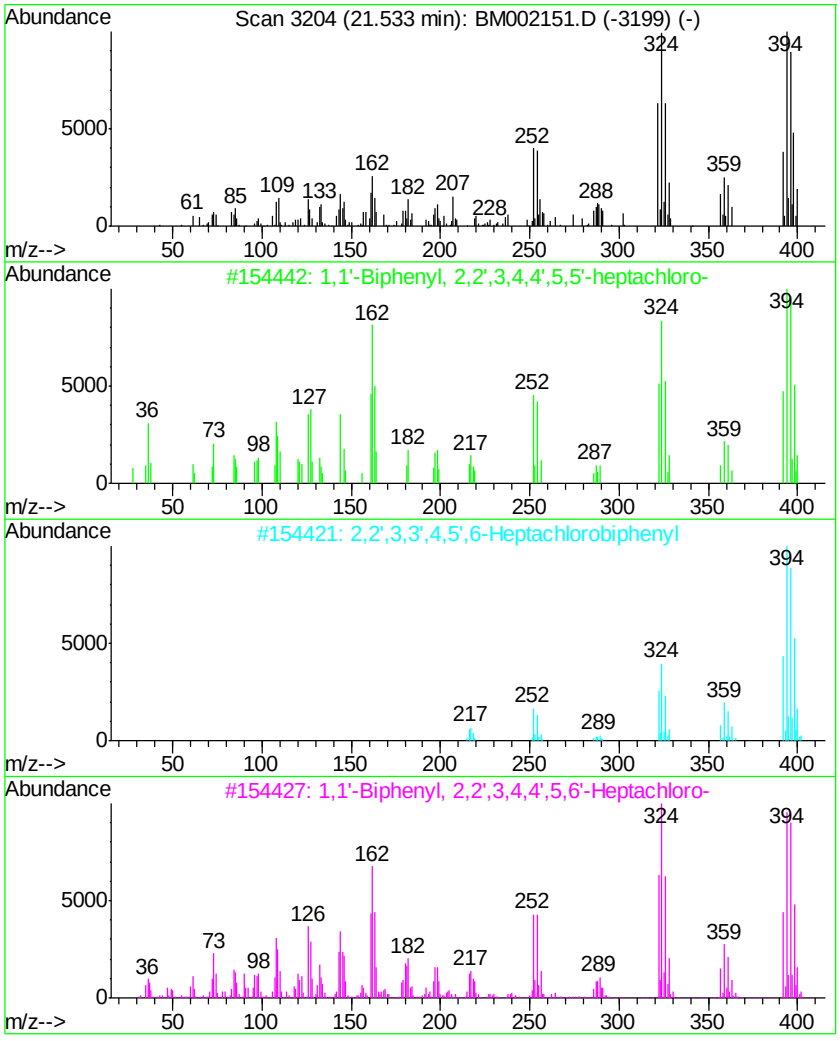
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

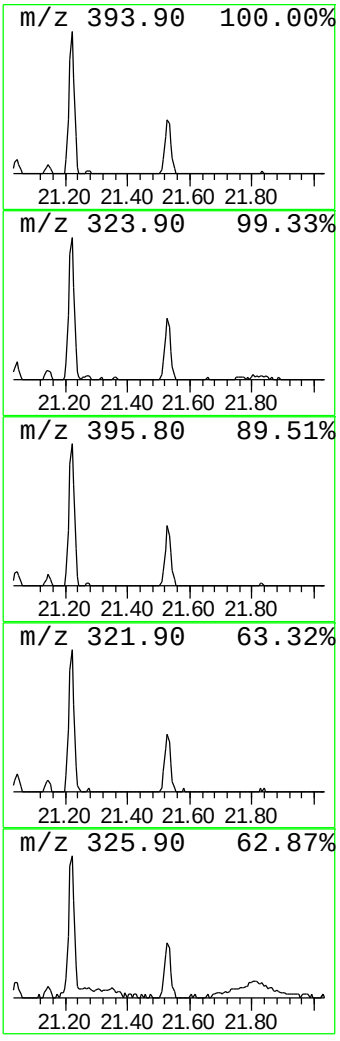
****

Peak Number 31 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.22 ng/ul	170527	Chrysene-d12	21.20

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073115\
Data File : BM002151.D
Acq On : 31 Jul 2015 11:59
Operator : TP/UM
Sample : G3030-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02F0DL

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
9H-Fluorene, 2-me...	16.30	2.4	ng/ul	59720	4	16.99	503018	20.0
Naphtho[2,3-b]thi...	16.81	3.7	ng/ul	92638	4	16.99	503018	20.0
Dibenzothiophene,...	17.57	4.8	ng/ul	119585	4	16.99	503018	20.0
Dibenzothiophene,...	17.71	3.0	ng/ul	74313	4	16.99	503018	20.0
Phenanthrene, 1-m...	17.87	11.0	ng/ul	276642	4	16.99	503018	20.0
1H-Indene, 2-phenyl-	17.92	11.8	ng/ul	296825	4	16.99	503018	20.0
Anthracene, 1-met...	18.00	4.8	ng/ul	119407	4	16.99	503018	20.0
4H-Cyclopenta[def...	18.06	23.4	ng/ul	589630	4	16.99	503018	20.0
Phenanthrene, 4-m...	18.10	8.8	ng/ul	220182	4	16.99	503018	20.0
1,1'-Biphenyl, 2,...	18.17	3.0	ng/ul	74751	4	16.99	503018	20.0
2-Phenylnaphthalene	18.37	10.2	ng/ul	255553	4	16.99	503018	20.0
9,10-Anthracenedione	18.42	2.0	ng/ul	51065	4	16.99	503018	20.0
Phenanthrene, 4,5...	18.62	2.2	ng/ul	54916	4	16.99	503018	20.0
Phenanthrene, 2,5...	18.79	7.3	ng/ul	182492	4	16.99	503018	20.0
unknown-01	18.86	3.4	ng/ul	84367	4	16.99	503018	20.0
1,1'-Biphenyl, 2,...	18.92	12.4	ng/ul	312428	4	16.99	503018	20.0
1,1'-Biphenyl, 2,...	19.20	4.1	ng/ul	315506	5	21.20	1533190	20.0
1,1'-Biphenyl, 2,...	19.65	3.5	ng/ul	271336	5	21.20	1533190	20.0
1,1'-Biphenyl, 2,...	19.92	10.4	ng/ul	801058	5	21.20	1533190	20.0
Pyrene, 1-methyl-	20.03	3.0	ng/ul	232324	5	21.20	1533190	20.0
Pyrene, 2-methyl-	20.09	2.2	ng/ul	168825	5	21.20	1533190	20.0
1,1'-Biphenyl, 3,...	20.20	5.6	ng/ul	428535	5	21.20	1533190	20.0
1,1'-Biphenyl, 2,...	20.35	2.5	ng/ul	194608	5	21.20	1533190	20.0
Benzo[b]naphtho[2...	20.84	3.9	ng/ul	297682	5	21.20	1533190	20.0
1,1'-Biphenyl, 2,...	20.93	3.7	ng/ul	280659	5	21.20	1533190	20.0
1,1'-Biphenyl, 2,...	21.53	2.2	ng/ul	170527	5	21.20	1533190	20.0