

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110115\
 Data File : BM003039.D
 Acq On : 01 Nov 2015 22:01
 Operator : UM/IZ
 Sample : G4210-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7F0

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 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-BM103015.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.228	20	24	29	rVB	33493	39553	1.27%	0.114%
2	3.505	68	71	77	rBV2	3582	5562	0.18%	0.016%
3	3.752	108	113	117	rBV	5302	7579	0.24%	0.022%
4	3.969	146	150	156	rBV2	4118	6228	0.20%	0.018%
5	4.887	301	306	312	rBV2	13483	20435	0.66%	0.059%
6	5.851	467	470	479	rVB	4502	7402	0.24%	0.021%
7	6.922	646	652	662	rBV	511880	829545	26.60%	2.382%
8	7.098	675	682	690	rBV	462958	700099	22.45%	2.011%
9	7.293	708	715	723	rVB	554078	887033	28.44%	2.548%
10	7.763	788	795	802	rBV	499648	795198	25.50%	2.284%
11	8.463	907	914	925	rBV	692059	1063771	34.11%	3.055%
12	8.922	985	992	1002	rVV	481359	774798	24.85%	2.225%
13	9.345	1059	1064	1068	rVB	7117	9662	0.31%	0.028%
14	9.639	1106	1114	1122	rBV	375968	603417	19.35%	1.733%
15	10.175	1198	1205	1215	rVB	647610	1067653	34.24%	3.066%
16	10.557	1263	1270	1275	rBV	700990	1155650	37.06%	3.319%
17	10.604	1275	1278	1285	rVB	52255	80167	2.57%	0.230%
18	10.686	1285	1292	1301	rBV	510518	868113	27.84%	2.493%
19	11.039	1347	1352	1358	rBV	4094	7068	0.23%	0.020%
20	12.145	1535	1540	1546	rBV	9999	14720	0.47%	0.042%
21	12.763	1639	1645	1649	rBV	4531	5231	0.17%	0.015%
22	12.980	1677	1682	1685	rBV	12823	18629	0.60%	0.054%
23	13.010	1685	1687	1692	rVB	6359	7941	0.25%	0.023%
24	13.233	1721	1725	1729	rVV2	4550	5349	0.17%	0.015%
25	13.816	1818	1824	1828	rVV	1115667	1531125	49.10%	4.397%
26	13.863	1828	1832	1842	rVB	479436	651779	20.90%	1.872%
27	14.098	1865	1872	1883	rBV	1268920	1913325	61.35%	5.495%
28	14.310	1902	1908	1913	rVB	17403	21069	0.68%	0.061%
29	14.410	1918	1925	1932	rVB2	956887	1436920	46.08%	4.127%
30	14.469	1932	1935	1940	rBV	5945	7941	0.25%	0.023%
31	14.592	1950	1956	1967	rBV	415629	576010	18.47%	1.654%
32	14.686	1967	1972	1980	rBV	54489	76802	2.46%	0.221%
33	14.769	1980	1986	1989	rVB2	8012	11710	0.38%	0.034%
34	14.821	1989	1995	1999	rBV3	16699	25628	0.82%	0.074%

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 Title : SVOA CALIBRATION

35	14.874	1999	2004	2008	rVB2	2941	5143	0.16%	0.015%
36	14.933	2008	2014	2017	rBV2	4580	7909	0.25%	0.023%
37	15.210	2056	2061	2066	rBV4	7282	12455	0.40%	0.036%
38	15.263	2066	2070	2076	rVB	39999	50417	1.62%	0.145%
39	15.404	2087	2094	2100	rVV	1607057	2349932	75.36%	6.749%
40	15.457	2100	2103	2107	rVV3	9832	15305	0.49%	0.044%
41	15.516	2107	2113	2120	rVV	326789	441003	14.14%	1.267%
42	15.639	2128	2134	2137	rVV	18990	27315	0.88%	0.078%
43	15.669	2137	2139	2143	rVV2	14151	16947	0.54%	0.049%
44	15.763	2150	2155	2159	rVB4	4541	7953	0.26%	0.023%
45	15.821	2161	2165	2171	rBV3	3755	7176	0.23%	0.021%
46	15.886	2171	2176	2183	rVB3	5807	9687	0.31%	0.028%
47	16.127	2212	2217	2219	rBV	47874	58955	1.89%	0.169%
48	16.180	2224	2226	2234	rVB4	4676	7319	0.23%	0.021%
49	16.298	2242	2246	2249	rVB	8272	9702	0.31%	0.028%
50	16.463	2270	2274	2278	rBV3	4717	8109	0.26%	0.023%
51	16.527	2282	2285	2288	rBV	5026	6370	0.20%	0.018%
52	16.633	2299	2303	2308	rBV4	3665	5693	0.18%	0.016%
53	16.915	2347	2351	2357	rBV2	45171	58909	1.89%	0.169%
54	16.968	2357	2360	2364	rVB2	13175	17231	0.55%	0.049%
55	17.051	2369	2374	2382	rBV5	3579	9626	0.31%	0.028%
56	17.151	2385	2391	2396	rBV2	1132459	1632912	52.36%	4.690%
57	17.192	2396	2398	2402	rVV	115469	136664	4.38%	0.392%
58	17.251	2402	2408	2419	rVV2	1756242	2498826	80.13%	7.177%
59	17.339	2421	2423	2429	rVB3	4401	5824	0.19%	0.017%
60	17.533	2450	2456	2468	rBV6	16994	35714	1.15%	0.103%
61	17.657	2472	2477	2482	rBV2	29963	39186	1.26%	0.113%
62	17.733	2485	2490	2492	rVB3	3375	5509	0.18%	0.016%
63	17.915	2518	2521	2531	rBV7	7852	18672	0.60%	0.054%
64	18.045	2535	2543	2546	rBV2	110270	166304	5.33%	0.478%
65	18.157	2558	2562	2567	rBV2	8876	11615	0.37%	0.033%
66	18.215	2567	2572	2576	rVV3	22738	43469	1.39%	0.125%
67	18.262	2576	2580	2587	rVB4	20219	33414	1.07%	0.096%
68	18.351	2590	2595	2599	rBV3	12621	18708	0.60%	0.054%
69	18.480	2612	2617	2622	rBV2	38735	46052	1.48%	0.132%
70	18.533	2622	2626	2629	rVB	9341	10965	0.35%	0.031%
71	18.909	2686	2690	2693	rBV2	7449	10668	0.34%	0.031%

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72	18.951	2693	2697	2700	rVV	14369	19713	0.63%	0.057%
73	18.986	2700	2703	2705	rBV	7870	8783	0.28%	0.025%
74	19.039	2710	2712	2716	rVB3	6731	6147	0.20%	0.018%
75	19.080	2716	2719	2723	rBV3	6298	10024	0.32%	0.029%
76	19.180	2732	2736	2737	rBV	22500	23373	0.75%	0.067%
77	19.209	2737	2741	2748	rVB	177536	239772	7.69%	0.689%
78	19.327	2757	2761	2765	rBV2	34351	41754	1.34%	0.120%
79	19.433	2776	2779	2785	rBV2	15445	24301	0.78%	0.070%
80	19.480	2785	2787	2792	rVB4	5816	7053	0.23%	0.020%
81	19.551	2792	2799	2811	rBV	2023857	3118472	100.00%	8.956%
82	19.651	2813	2816	2822	rVB5	9195	15345	0.49%	0.044%
83	19.815	2841	2844	2849	rVB3	6953	9890	0.32%	0.028%
84	19.909	2855	2860	2866	rBV5	9546	21186	0.68%	0.061%
85	20.045	2879	2883	2884	rBV2	8379	11269	0.36%	0.032%
86	20.068	2884	2887	2891	rVB2	22678	30769	0.99%	0.088%
87	20.174	2901	2905	2909	rVB2	12956	17630	0.57%	0.051%
88	20.227	2910	2914	2919	rVB2	19098	28798	0.92%	0.083%
89	20.321	2927	2930	2933	rVB4	12481	12295	0.39%	0.035%
90	20.374	2935	2939	2942	rVV2	14920	18082	0.58%	0.052%
91	20.415	2943	2946	2950	rVB2	12619	17158	0.55%	0.049%
92	21.027	3047	3050	3051	rBV2	14602	15978	0.51%	0.046%
93	21.051	3051	3054	3062	rVB4	81444	116012	3.72%	0.333%
94	21.339	3097	3103	3107	rBV	1552298	2098522	67.29%	6.027%
95	21.374	3107	3109	3117	rVB	104152	129324	4.15%	0.371%
96	21.874	3190	3194	3202	rBV2	188893	271545	8.71%	0.780%
97	22.539	3303	3307	3313	rVB	119522	166799	5.35%	0.479%
98	22.927	3368	3373	3377	rBV	77566	161894	5.19%	0.465%
99	23.468	3458	3465	3481	rVB	1538792	3116785	99.95%	8.951%
100	23.609	3482	3489	3506	rVB	987829	1979865	63.49%	5.686%

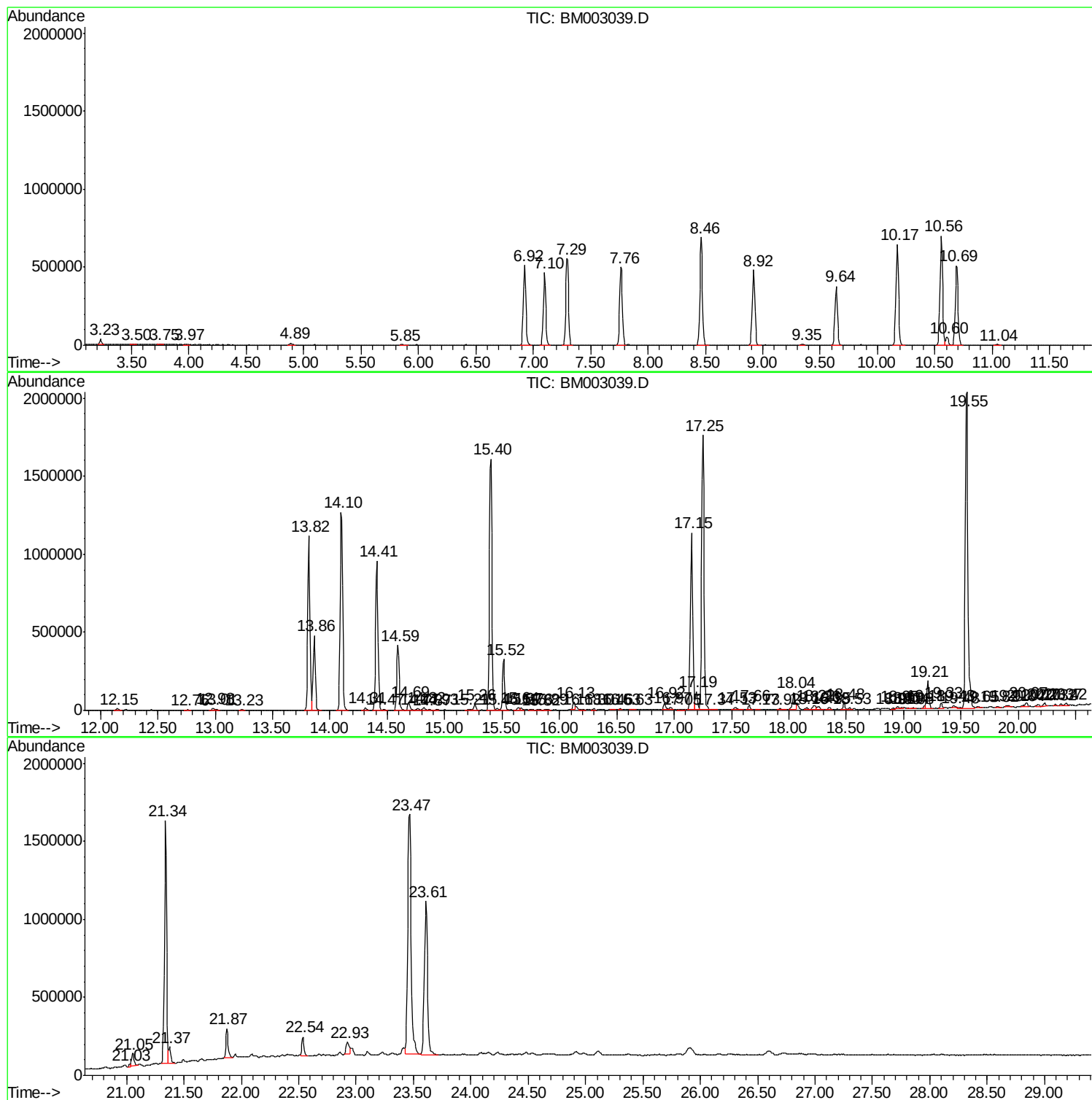
Sum of corrected areas: 34819308

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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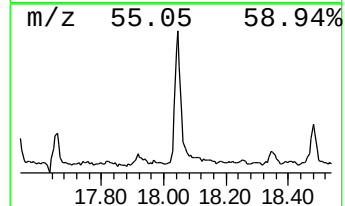
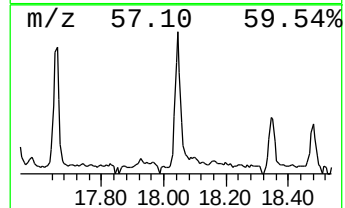
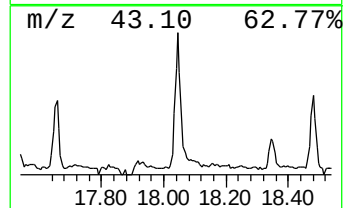
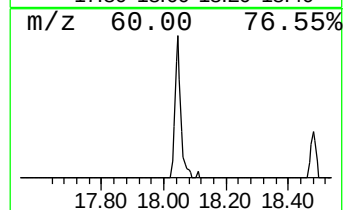
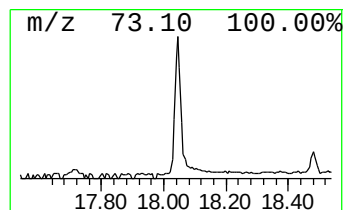
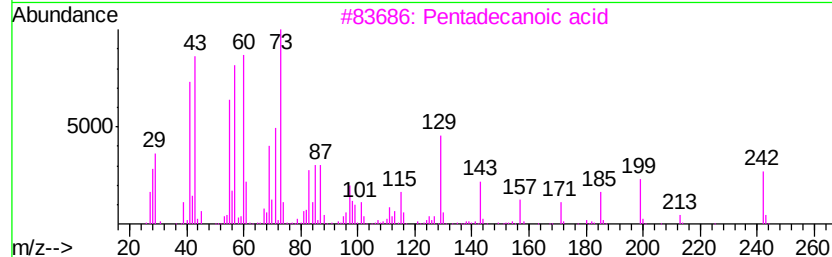
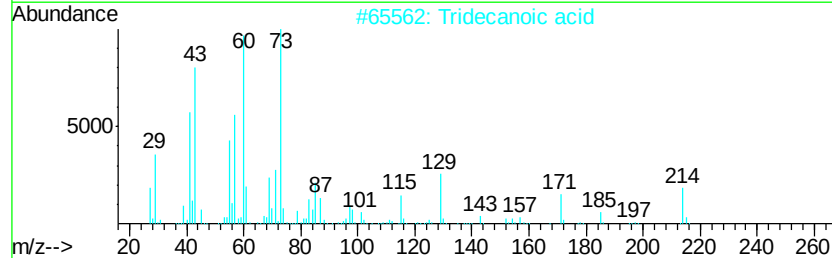
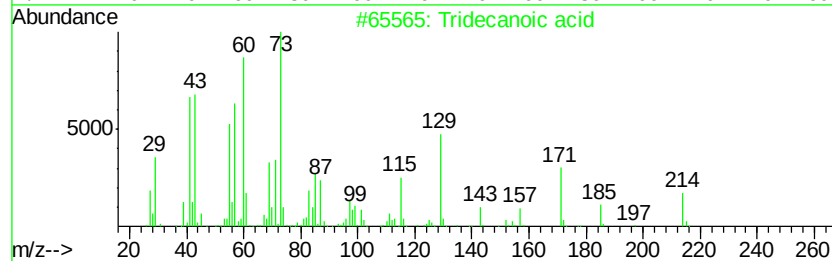
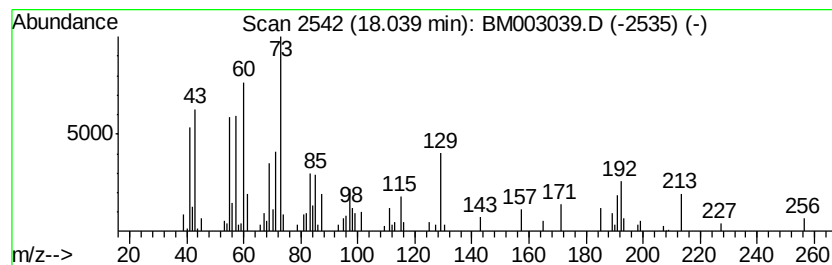
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Tridecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.04 ng/ul	166304	Phenanthrene-d10	17.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecanoic acid	214 C13H26O2	000638-53-9	89
2	Tridecanoic acid	214 C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242 C15H30O2	001002-84-2	87
4	Tridecanoic acid	214 C13H26O2	000638-53-9	68
5	n-Hexadecanoic acid	256 C16H32O2	000057-10-3	58



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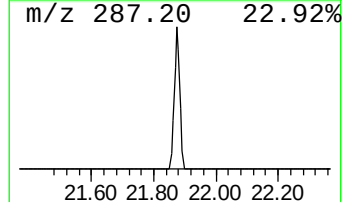
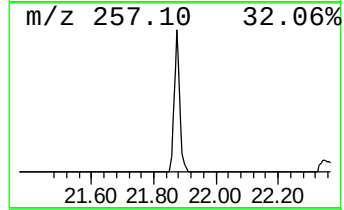
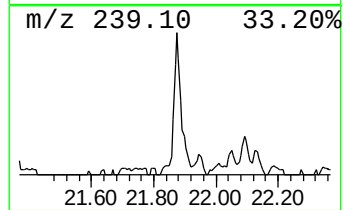
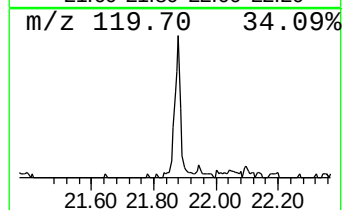
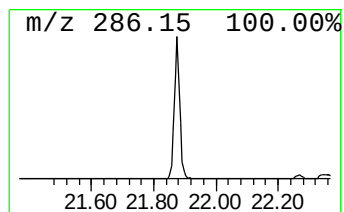
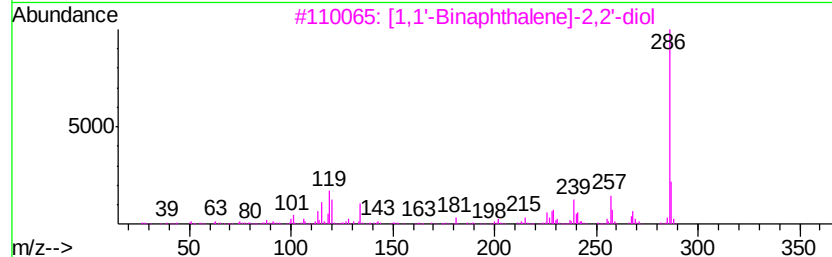
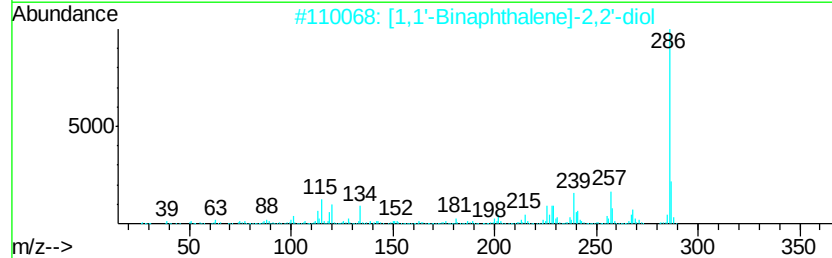
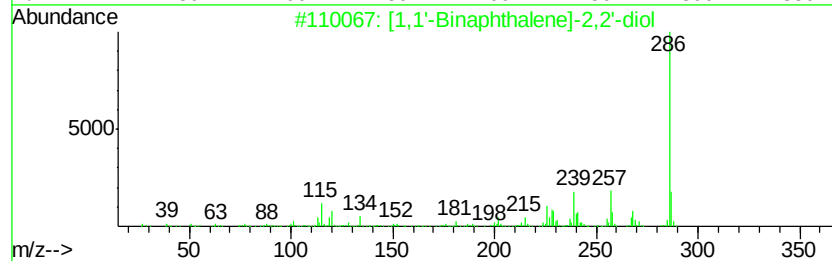
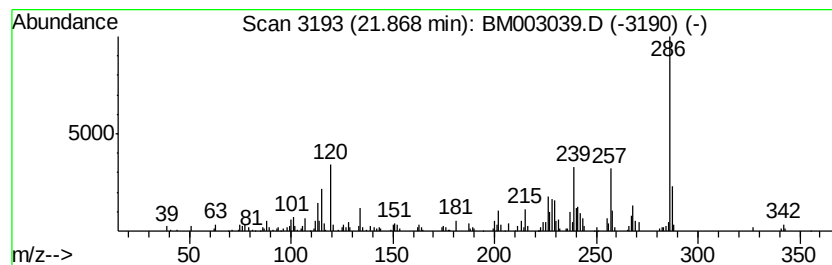
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 [1,1'-Binaphthalene]-2,2'-diol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.59 ng/ul	271545	Chrysene-d12	21.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Binaphthalene]-2,2'-diol	286	C20H14O2	000602-09-5	99
2		[1,1'-Binaphthalene]-2,2'-diol	286	C20H14O2	000602-09-5	99
3		[1,1'-Binaphthalene]-2,2'-diol	286	C20H14O2	000602-09-5	83
4		[1,1'-Binaphthalene]-4,4'-diol	286	C20H14O2	001446-34-0	53
5		Androst-4-ene-3,17-dione	286	C19H26O2	000063-05-8	49



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Tridecanoic acid	18.04	2.0	ng/ul	166304	4	17.15	1632910	20.0
[1,1'-Binaphthale...	21.87	2.6	ng/ul	271545	5	21.34	2098520	20.0