

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
 Data File : BM024053.D
 Acq On : 12 Dec 2019 11:47
 Operator : JU
 Sample : K6088-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BN9

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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	3.028	22	24	34	rVB	52143	82047	1.27%	0.099%
2	3.534	108	110	117	rVB6	11564	15712	0.24%	0.019%
3	3.646	124	129	136	rVV2	58268	96856	1.50%	0.117%
4	3.728	140	143	149	rVB	27812	41003	0.64%	0.050%
5	4.634	293	297	307	rVB	59277	108212	1.68%	0.131%
6	5.522	443	448	451	rBV4	12216	18207	0.28%	0.022%
7	6.169	554	558	563	rVB5	8853	14582	0.23%	0.018%
8	6.663	636	642	658	rBV2	961714	1850111	28.68%	2.238%
9	6.822	664	669	680	rBV	808744	1309010	20.29%	1.583%
10	7.010	694	701	713	rBV	1054169	1712029	26.54%	2.071%
11	7.110	714	718	727	rVB7	19906	41319	0.64%	0.050%
12	7.375	759	763	768	rVB6	8888	13846	0.21%	0.017%
13	7.469	773	779	789	rVV	1561061	2485689	38.53%	3.007%
14	7.557	789	794	800	rVV4	21018	45406	0.70%	0.055%
15	8.192	896	902	914	rBV	1083765	1854002	28.74%	2.243%
16	8.304	918	921	930	rVB	40024	69351	1.07%	0.084%
17	8.622	969	975	986	rBV	933781	1623133	25.16%	1.963%
18	8.698	986	988	997	rVB5	23275	43385	0.67%	0.052%
19	8.810	1004	1007	1014	rVB8	11408	19383	0.30%	0.023%
20	9.069	1045	1051	1057	rBV	41621	67136	1.04%	0.081%
21	9.339	1090	1097	1107	rBV	745712	1295018	20.07%	1.566%
22	9.875	1182	1188	1204	rBV	1167390	2127735	32.98%	2.574%
23	10.039	1211	1216	1221	rVB8	8888	18582	0.29%	0.022%
24	10.239	1241	1250	1268	rBV	2271761	3806386	59.00%	4.604%
25	10.392	1268	1276	1301	rBV	813728	1718041	26.63%	2.078%
26	11.286	1424	1428	1437	rBV5	12477	23639	0.37%	0.029%
27	11.698	1490	1498	1503	rBV5	24457	48981	0.76%	0.059%
28	11.851	1519	1524	1530	rBV3	20466	38542	0.60%	0.047%
29	11.928	1532	1537	1545	rVV	19598	36512	0.57%	0.044%
30	12.151	1569	1575	1579	rVB4	11753	21268	0.33%	0.026%
31	12.475	1623	1630	1635	rBV6	10105	22134	0.34%	0.027%
32	12.610	1649	1653	1657	rVV6	8448	13935	0.22%	0.017%
33	12.675	1660	1664	1668	rVV6	10245	16885	0.26%	0.020%
34	12.745	1671	1676	1681	rVB3	13379	22871	0.35%	0.028%

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35	12.969	1707	1714	1719	rBV4	39992	66749	1.03%	0.081%
36	13.298	1766	1770	1771	rBV4	13517	17842	0.28%	0.022%
37	13.451	1791	1796	1802	rVV3	19807	39626	0.61%	0.048%
38	13.504	1802	1805	1808	rVV5	13980	19163	0.30%	0.023%
39	13.557	1808	1814	1818	rVV	2327614	3318944	51.44%	4.015%
40	13.604	1818	1822	1832	rVV	741006	1086346	16.84%	1.314%
41	13.686	1832	1836	1840	rVB6	13532	20553	0.32%	0.025%
42	13.822	1851	1859	1876	rBV	2697352	4074645	63.16%	4.929%
43	14.063	1895	1900	1904	rVB	36033	48259	0.75%	0.058%
44	14.133	1904	1912	1923	rBV	3527139	5246777	81.33%	6.347%
45	14.369	1946	1952	1972	rBV	445255	1044406	16.19%	1.263%
46	14.551	1979	1983	1984	rBV4	17734	20470	0.32%	0.025%
47	14.580	1984	1988	1992	rVV6	44031	61159	0.95%	0.074%
48	14.674	2002	2004	2012	rVB6	10475	19654	0.30%	0.024%
49	14.757	2014	2018	2024	rVV6	14777	24913	0.39%	0.030%
50	14.821	2024	2029	2034	rVV4	13505	19977	0.31%	0.024%
51	14.933	2043	2048	2051	rBV5	11106	20714	0.32%	0.025%
52	15.016	2059	2062	2068	rVB	41587	51236	0.79%	0.062%
53	15.133	2076	2082	2096	rBV	3677645	5210335	80.76%	6.303%
54	15.280	2101	2107	2118	rBV	822362	1276740	19.79%	1.544%
55	15.374	2118	2123	2127	rVB2	37273	53728	0.83%	0.065%
56	15.486	2136	2142	2146	rBV4	15642	28568	0.44%	0.035%
57	15.574	2155	2157	2161	rBV4	11860	14580	0.23%	0.018%
58	15.721	2177	2182	2189	rBV7	16532	29809	0.46%	0.036%
59	15.833	2197	2201	2205	rBV6	11003	15929	0.25%	0.019%
60	15.880	2205	2209	2213	rBV2	46024	62303	0.97%	0.075%
61	16.051	2233	2238	2241	rBV6	13030	17765	0.28%	0.021%
62	16.245	2269	2271	2276	rVB6	13392	14333	0.22%	0.017%
63	16.445	2300	2305	2313	rBV7	21144	43331	0.67%	0.052%
64	16.551	2319	2323	2331	rVB6	23746	54536	0.85%	0.066%
65	16.627	2331	2336	2340	rBV4	19129	37501	0.58%	0.045%
66	16.674	2340	2344	2348	rBV2	58310	76530	1.19%	0.093%
67	16.886	2373	2380	2385	rBV	4364371	5917357	91.72%	7.158%
68	16.927	2385	2387	2391	rVV	111725	128689	1.99%	0.156%
69	16.986	2391	2397	2408	rVB	3700777	5319562	82.45%	6.435%
70	17.210	2430	2435	2440	rVB7	18887	41062	0.64%	0.050%
71	17.415	2466	2470	2473	rBV	38776	44524	0.69%	0.054%

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72	17.580	2493	2498	2501	rBV7	16207	32111	0.50%	0.039%
73	17.686	2511	2516	2520	rBV7	20731	38559	0.60%	0.047%
74	17.762	2523	2529	2533	rBV	45787	79375	1.23%	0.096%
75	17.810	2533	2537	2545	rBV2	511371	749528	11.62%	0.907%
76	17.951	2557	2561	2566	rBV2	47617	69999	1.08%	0.085%
77	17.998	2566	2569	2575	rVB2	37471	56805	0.88%	0.069%
78	18.104	2584	2587	2595	rVB3	39793	59732	0.93%	0.072%
79	18.245	2608	2611	2613	rBV4	24445	22595	0.35%	0.027%
80	18.274	2613	2616	2622	rVB3	34448	47415	0.73%	0.057%
81	18.574	2664	2667	2670	rBV3	23976	33115	0.51%	0.040%
82	18.609	2671	2673	2677	rVB5	21884	29328	0.45%	0.035%
83	18.692	2683	2687	2692	rVB4	54069	83732	1.30%	0.101%
84	18.751	2693	2697	2701	rVV	61896	82842	1.28%	0.100%
85	18.927	2723	2727	2728	rBV	38616	46447	0.72%	0.056%
86	18.956	2728	2732	2741	rVB	142512	235571	3.65%	0.285%
87	19.027	2742	2744	2749	rBV4	18978	22933	0.36%	0.028%
88	19.104	2753	2757	2766	rVV2	120488	202766	3.14%	0.245%
89	19.174	2767	2769	2774	rVB	44134	61348	0.95%	0.074%
90	19.292	2783	2789	2801	rBV	4703659	6451606	100.00%	7.804%
91	20.833	3047	3051	3064	rBV	1218930	1946450	30.17%	2.354%
92	21.092	3090	3095	3101	rBV	4069995	5300954	82.16%	6.412%
93	21.274	3123	3126	3132	rBV2	189968	224895	3.49%	0.272%
94	21.697	3195	3198	3206	rBV2	253587	487020	7.55%	0.589%
95	22.133	3270	3272	3279	rVB	311187	388695	6.02%	0.470%
96	22.256	3289	3293	3299	rVB	487101	636250	9.86%	0.770%
97	22.615	3351	3354	3360	rVB2	392410	510294	7.91%	0.617%
98	23.097	3430	3436	3442	rBV	2771273	4896908	75.90%	5.923%
99	23.150	3442	3445	3451	rVB	449049	660910	10.24%	0.799%
100	23.233	3453	3459	3471	rVB	2666308	4902900	76.00%	5.931%

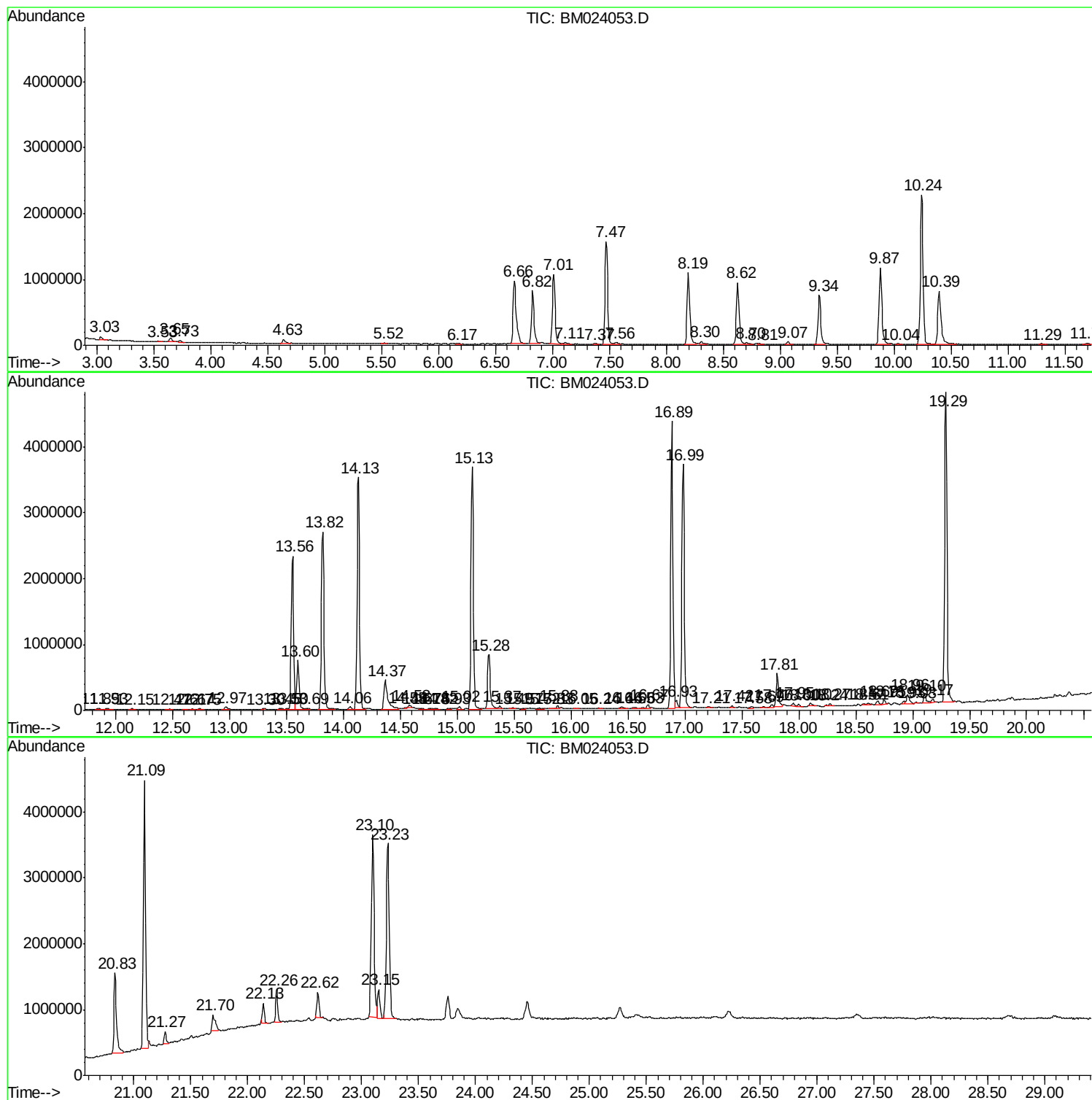
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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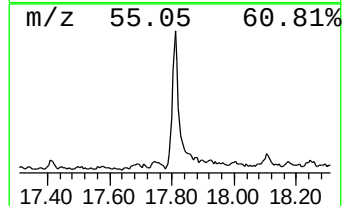
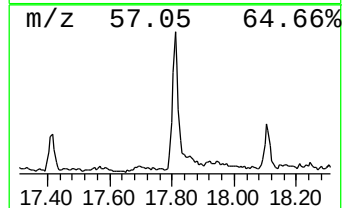
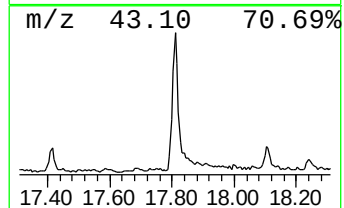
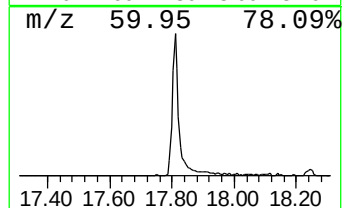
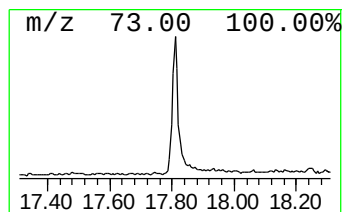
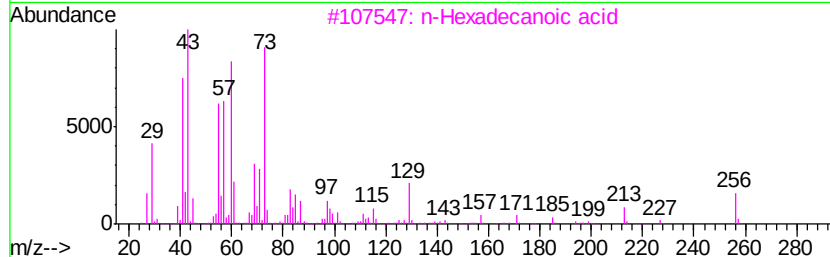
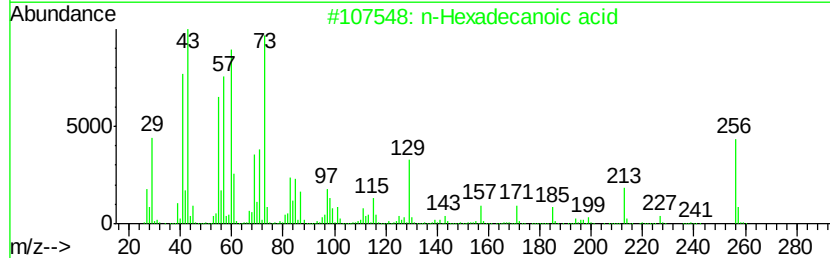
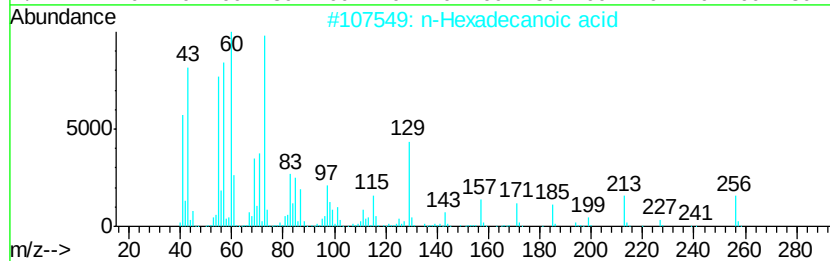
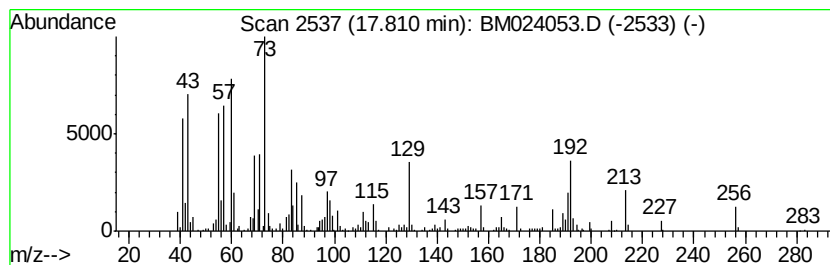
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	2.53 ng/ul	749528	Phenanthrene-d10	16.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97	
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89	
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	76	



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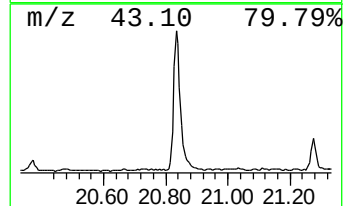
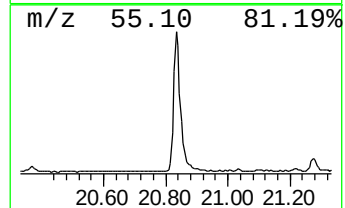
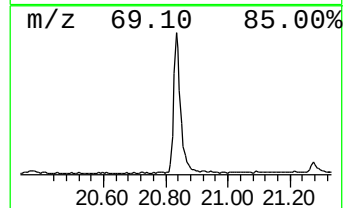
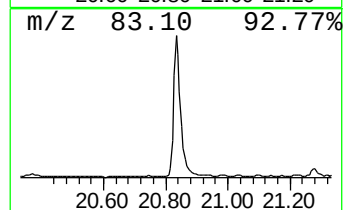
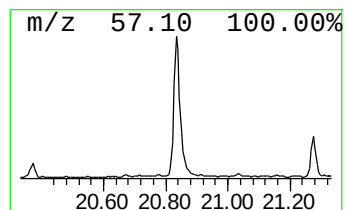
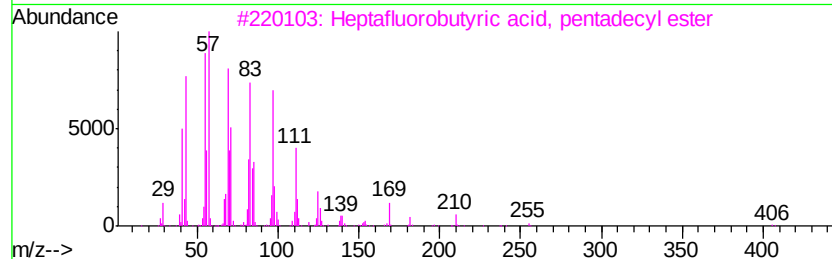
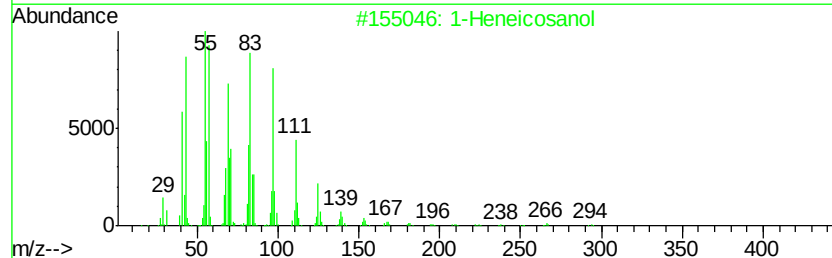
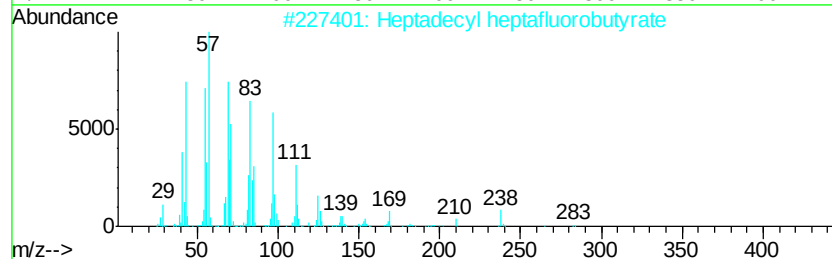
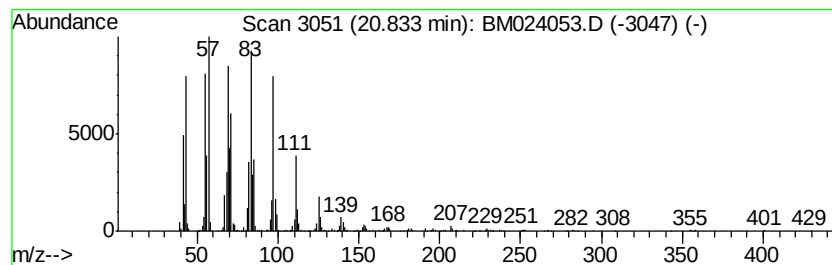
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptadecyl heptafluorobutyrate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	7.34 ng/ul	1946450	Chrysene-d12	21.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2		1-Heneicosanol	312	C21H44O	015594-90-8	93
3		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5		1-Heneicosyl formate	340	C22H44O2	077899-03-7	91



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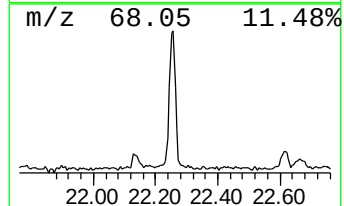
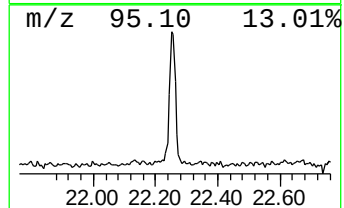
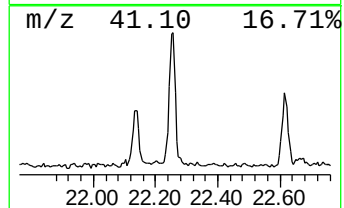
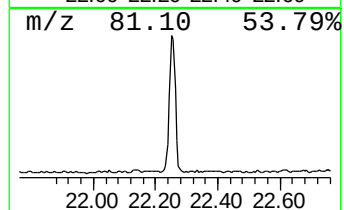
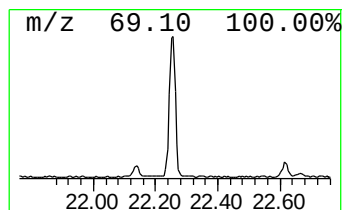
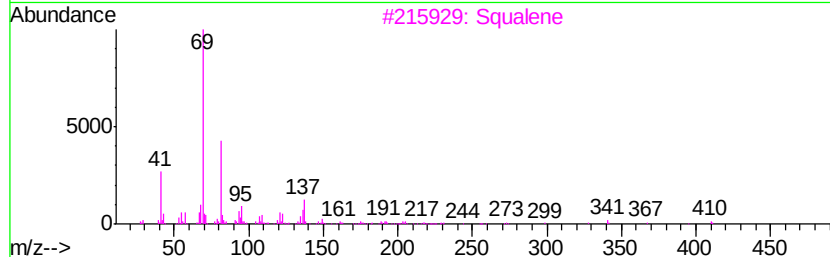
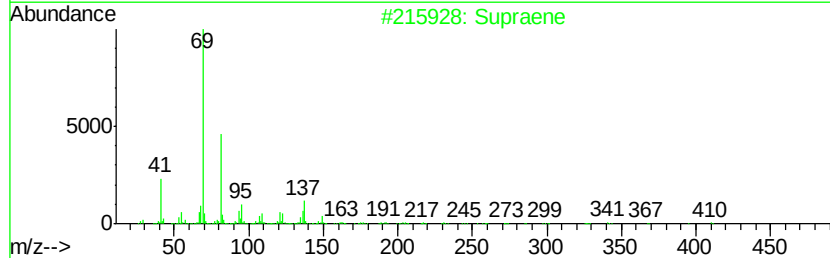
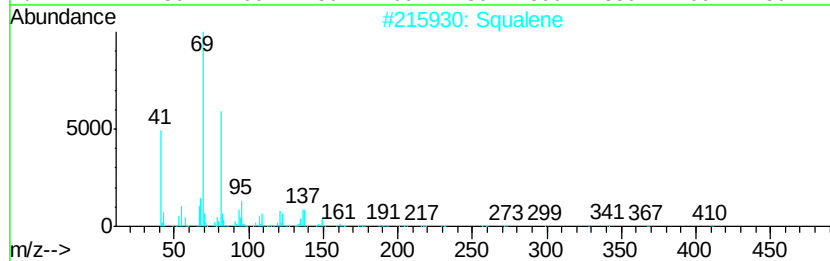
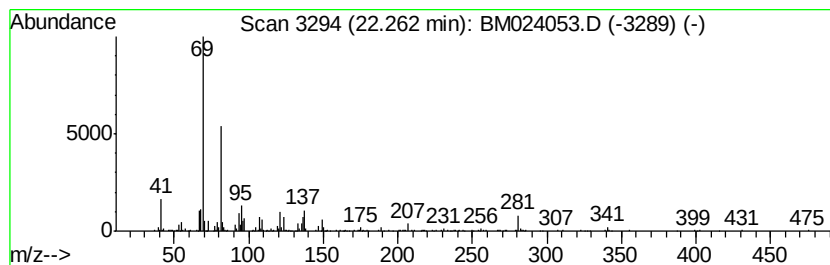
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Peak Number 3 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.26	2.60 ng/ul	636250	Perylene-d12	23.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	90
2		Supraene	410	C30H50	007683-64-9	87
3		Squalene	410	C30H50	000111-02-4	83
4		4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
5		2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	64



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 Acq On : 12 Dec 2019 11:47
 Operator : JU
 Sample : K6088-12
 Misc :
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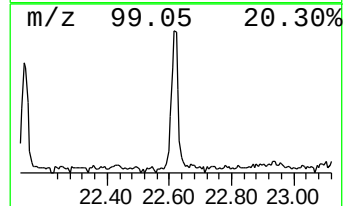
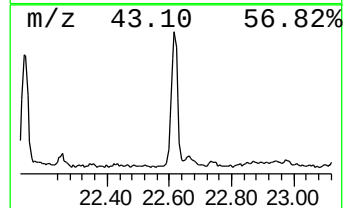
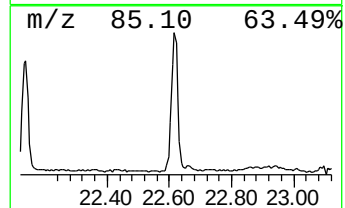
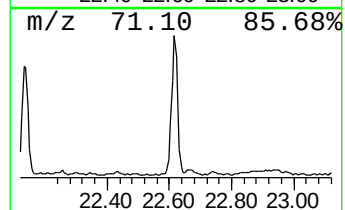
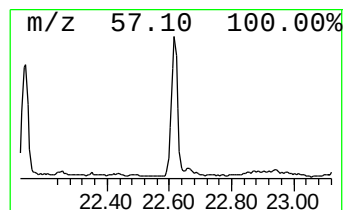
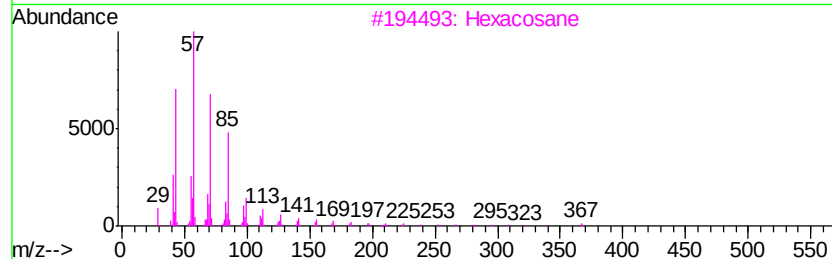
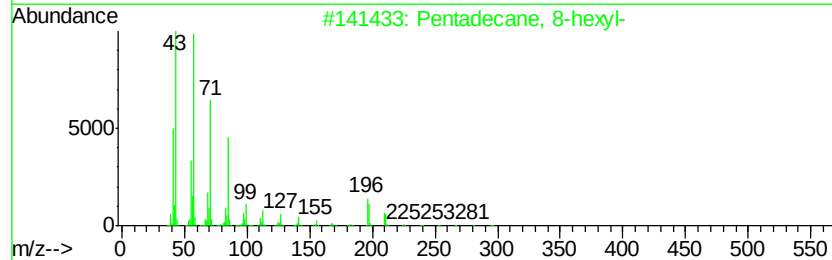
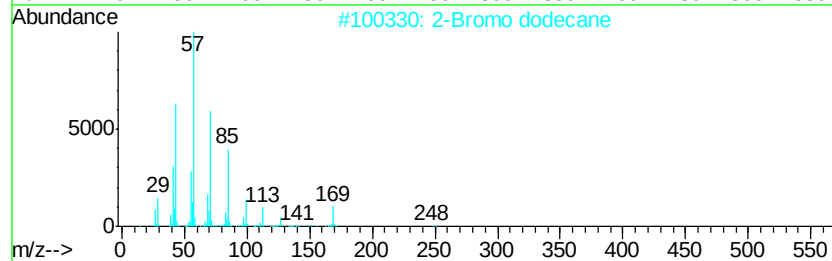
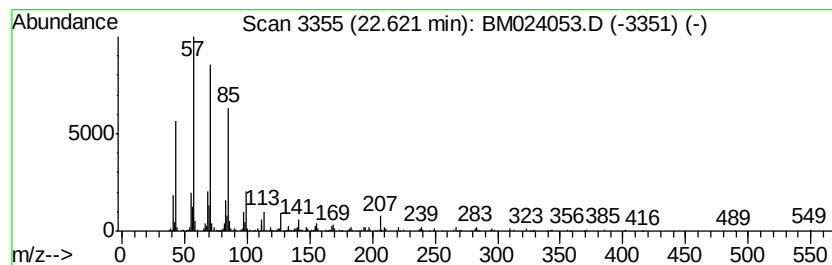
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 2-Bromo dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.62	2.08 ng/ul	510294	Perylene-d12	23.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Bromo dodecane	248 C12H25Br	013187-99-0	93
2	Pentadecane, 8-hexyl-	296 C21H44	013475-75-7	90
3	Hexacosane	366 C26H54	000630-01-3	90
4	Heneicosane, 11-(1-ethylpropyl)-	366 C26H54	055282-11-6	87
5	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024053.D
Acq On : 12 Dec 2019 11:47
Operator : JU
Sample : K6088-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BN9

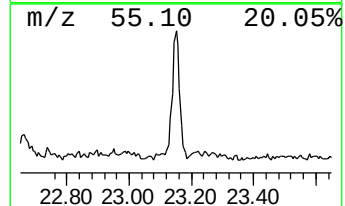
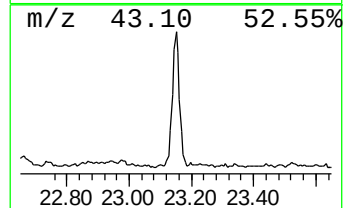
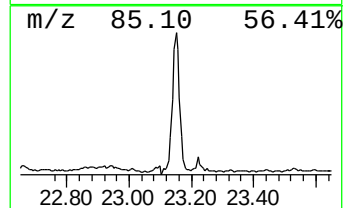
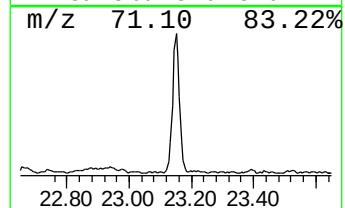
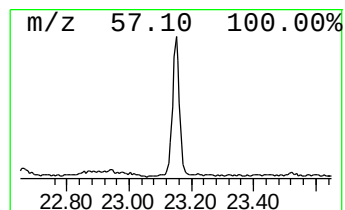
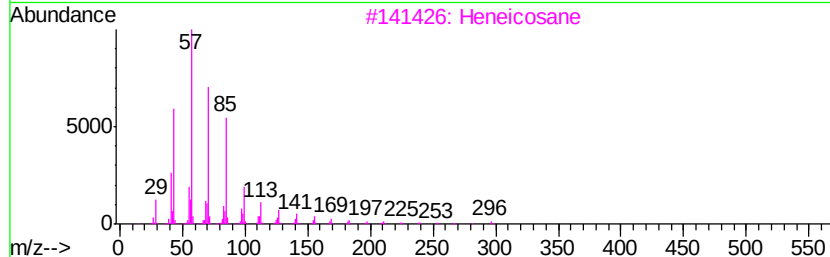
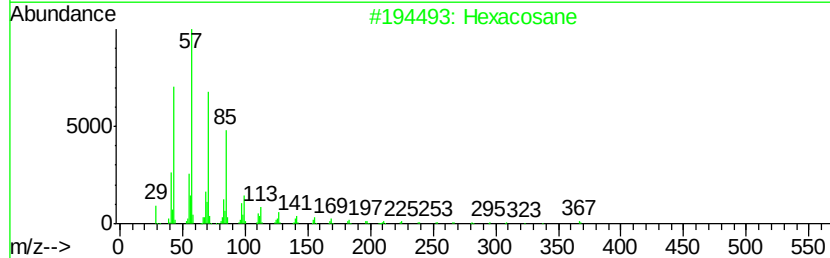
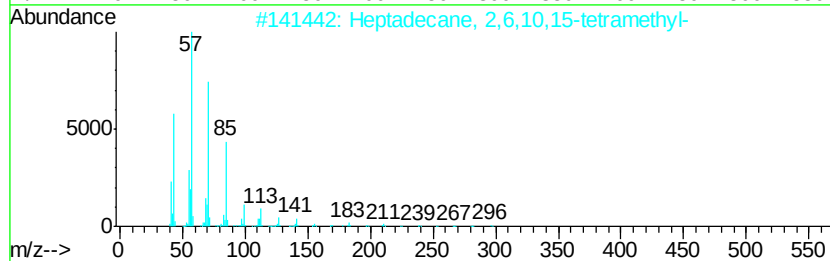
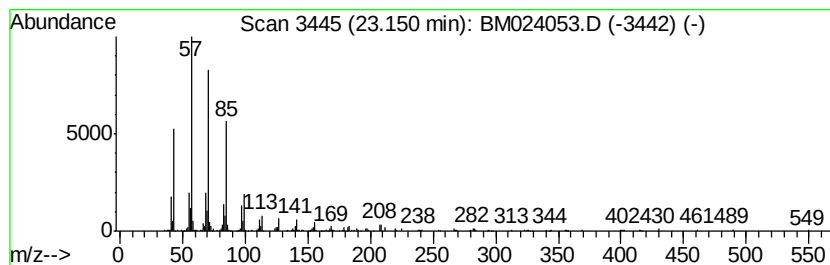
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	2.70 ng/ul	660910	Perylene-d12	23.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2		Hexacosane	366	C26H54	000630-01-3	90
3		Heneicosane	296	C21H44	000629-94-7	87
4		Octadecane	254	C18H38	000593-45-3	83
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024053.D
Acq On : 12 Dec 2019 11:47
Operator : JU
Sample : K6088-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BN9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic acid	17.81	2.5	ng/ul	749528	4	16.89	5917360	20.0
Heptadecyl heptaf...	20.83	7.3	ng/ul	1946450	5	21.09	5300950	20.0
Squalene	22.26	2.6	ng/ul	636250	6	23.23	4902900	20.0
2-Bromo dodecane	22.62	2.1	ng/ul	510294	6	23.23	4902900	20.0
(DEL) Alkane: Str...	23.15	2.7	ng/ul	660910	6	23.23	4902900	20.0