

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
 Data File : BM018081.D
 Acq On : 12 Dec 2018 05:41
 Operator : JU/SJ
 Sample : J6171-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9Y06

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-BM111918MA.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	3.128	19	24	25	rBV3	2621	4063	0.17%	0.014%
2	3.152	25	28	34	rVV	19845	29889	1.27%	0.105%
3	3.205	36	37	39	rBV	2566	2413	0.10%	0.008%
4	3.269	45	48	50	rBV4	2874	3819	0.16%	0.013%
5	3.293	50	52	57	rVV4	3799	4925	0.21%	0.017%
6	3.334	57	59	63	rVV3	2721	3343	0.14%	0.012%
7	3.440	75	77	80	rBV3	3666	3552	0.15%	0.012%
8	3.552	94	96	100	rVB5	5694	4889	0.21%	0.017%
9	3.646	108	112	118	rVB	24713	33162	1.41%	0.116%
10	3.716	121	124	126	rVV4	4367	6312	0.27%	0.022%
11	3.752	126	130	134	rVV2	25294	38803	1.65%	0.136%
12	3.946	159	163	168	rVB3	21394	29441	1.25%	0.103%
13	4.034	177	178	182	rBV3	1751	2553	0.11%	0.009%
14	4.140	193	196	197	rBV2	3253	2658	0.11%	0.009%
15	4.199	202	206	211	rVV6	6081	10291	0.44%	0.036%
16	4.257	213	216	218	rVB2	3005	2902	0.12%	0.010%
17	4.375	231	236	240	rVB6	5036	7920	0.34%	0.028%
18	4.628	277	279	283	rVB4	2153	2403	0.10%	0.008%
19	4.734	290	297	306	rBV2	84715	172248	7.32%	0.603%
20	4.846	309	316	319	rBV4	4755	10666	0.45%	0.037%
21	5.975	504	508	514	rVB2	19845	28917	1.23%	0.101%
22	6.046	516	520	521	rBV4	2018	2721	0.12%	0.010%
23	6.434	582	586	588	rVV4	3890	5310	0.23%	0.019%
24	6.469	590	592	595	rVB3	3045	3000	0.13%	0.011%
25	6.610	611	616	620	rBV4	2857	4813	0.20%	0.017%
26	6.669	625	626	630	rVB	2586	2784	0.12%	0.010%
27	6.740	632	638	652	rBV2	380833	812141	34.51%	2.843%
28	6.898	658	665	674	rBV	333648	519033	22.05%	1.817%
29	7.087	691	697	705	rBV	476187	764776	32.49%	2.678%
30	7.163	708	710	713	rVV4	6055	6496	0.28%	0.023%
31	7.375	743	746	749	rBV3	2527	3081	0.13%	0.011%
32	7.545	769	775	784	rBV	756775	1223825	52.00%	4.285%
33	7.622	784	788	791	rVB5	5724	8102	0.34%	0.028%
34	7.857	826	828	833	rVB2	2297	3396	0.14%	0.012%

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35	8.151	874	878	881	rVB2	2049	2681	0.11%	0.009%
36	8.263	890	897	914	rBV2	461107	856502	36.39%	2.999%
37	8.704	965	972	983	rBV	387493	674854	28.67%	2.363%
38	8.804	987	989	992	rVV3	3359	3191	0.14%	0.011%
39	8.839	992	995	998	rVV2	2208	4027	0.17%	0.014%
40	8.863	998	999	1003	rVB3	2867	2643	0.11%	0.009%
41	9.086	1031	1037	1044	rBV	12529	20558	0.87%	0.072%
42	9.222	1058	1060	1067	rBV4	3940	8720	0.37%	0.031%
43	9.416	1084	1093	1106	rBV	313749	575226	24.44%	2.014%
44	9.663	1132	1135	1138	rVB2	2004	2916	0.12%	0.010%
45	9.710	1138	1143	1144	rBV3	1799	2746	0.12%	0.010%
46	9.951	1175	1184	1205	rBV	375681	889371	37.79%	3.114%
47	10.216	1227	1229	1232	rVB3	3868	3266	0.14%	0.011%
48	10.310	1236	1245	1256	rBV	1027133	1780409	75.64%	6.233%
49	10.481	1265	1274	1290	rBV3	85468	254967	10.83%	0.893%
50	11.151	1385	1388	1391	rBV3	1606	2632	0.11%	0.009%
51	11.398	1425	1430	1432	rBV3	1762	2619	0.11%	0.009%
52	11.569	1456	1459	1462	rVB3	2999	2902	0.12%	0.010%
53	11.733	1485	1487	1494	rVB3	2744	3268	0.14%	0.011%
54	11.869	1507	1510	1515	rBV2	6680	12780	0.54%	0.045%
55	12.286	1578	1581	1584	rVB	1900	2752	0.12%	0.010%
56	12.539	1619	1624	1628	rBV5	1948	2802	0.12%	0.010%
57	12.798	1662	1668	1670	rBV4	1956	3074	0.13%	0.011%
58	13.022	1701	1706	1709	rBV3	2593	4304	0.18%	0.015%
59	13.621	1801	1808	1812	rBV	904266	1306593	55.51%	4.575%
60	13.669	1812	1816	1828	rVB	308123	468039	19.89%	1.639%
61	13.886	1846	1853	1871	rBV	1121522	1630696	69.28%	5.709%
62	14.104	1884	1890	1894	rBV4	4836	8658	0.37%	0.030%
63	14.198	1899	1906	1916	rBV2	1539939	2353670	100.00%	8.240%
64	14.298	1921	1923	1926	rVV3	3340	4904	0.21%	0.017%
65	14.333	1928	1929	1933	rBV2	3704	3341	0.14%	0.012%
66	14.457	1945	1950	1963	rBV3	99612	313249	13.31%	1.097%
67	14.639	1975	1981	1990	rVV3	10603	36559	1.55%	0.128%
68	14.727	1994	1996	2001	rVB3	6646	7609	0.32%	0.027%
69	14.892	2022	2024	2029	rBV5	5441	7089	0.30%	0.025%
70	14.939	2029	2032	2035	rBV4	2451	2805	0.12%	0.010%
71	15.063	2047	2053	2057	rVB4	6431	12439	0.53%	0.044%

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72	15.121	2062	2063	2066	rVB2	5480	3957	0.17%	0.014%
73	15.157	2066	2069	2070	rBV3	4000	3831	0.16%	0.013%
74	15.198	2070	2076	2090	rBV	1378606	2105994	89.48%	7.373%
75	15.351	2096	2102	2110	rBV	94395	163744	6.96%	0.573%
76	15.439	2114	2117	2125	rVB4	16248	32905	1.40%	0.115%
77	15.498	2125	2127	2130	rBV4	2773	2810	0.12%	0.010%
78	15.680	2154	2158	2162	rBV6	4522	8537	0.36%	0.030%
79	15.892	2190	2194	2196	rBV5	2577	3428	0.15%	0.012%
80	15.945	2198	2203	2209	rVV9	8732	19755	0.84%	0.069%
81	16.115	2226	2232	2233	rBV5	7082	13099	0.56%	0.046%
82	16.163	2236	2240	2241	rVV4	6261	8047	0.34%	0.028%
83	16.180	2241	2243	2246	rVV4	4421	3787	0.16%	0.013%
84	16.239	2251	2253	2256	rBV4	3818	3678	0.16%	0.013%
85	16.327	2266	2268	2270	rBV3	6641	7071	0.30%	0.025%
86	16.386	2276	2278	2281	rVB4	5565	5236	0.22%	0.018%
87	16.527	2300	2302	2303	rBV2	4745	4451	0.19%	0.016%
88	16.745	2333	2339	2341	rBV6	11628	22409	0.95%	0.078%
89	16.810	2348	2350	2351	rBV2	4666	3457	0.15%	0.012%
90	16.880	2358	2362	2363	rBV4	6786	7548	0.32%	0.026%
91	16.957	2369	2375	2383	rBV2	1577371	2272561	96.55%	7.956%
92	17.057	2386	2392	2399	rBV2	1220072	1791513	76.12%	6.272%
93	17.327	2434	2438	2440	rBV5	20057	34652	1.47%	0.121%
94	17.868	2526	2530	2536	rBV	249899	372432	15.82%	1.304%
95	19.162	2747	2750	2757	rVB3	127485	181770	7.72%	0.636%
96	19.309	2771	2775	2778	rBV	161066	189825	8.07%	0.665%
97	19.362	2779	2784	2792	rVV2	1052369	1472768	62.57%	5.156%
98	21.168	3087	3091	3096	rBV	1230280	1667192	70.83%	5.837%
99	23.209	3434	3438	3447	rVB	779823	1480557	62.90%	5.184%
100	23.344	3457	3461	3469	rVB2	907527	1635804	69.50%	5.727%

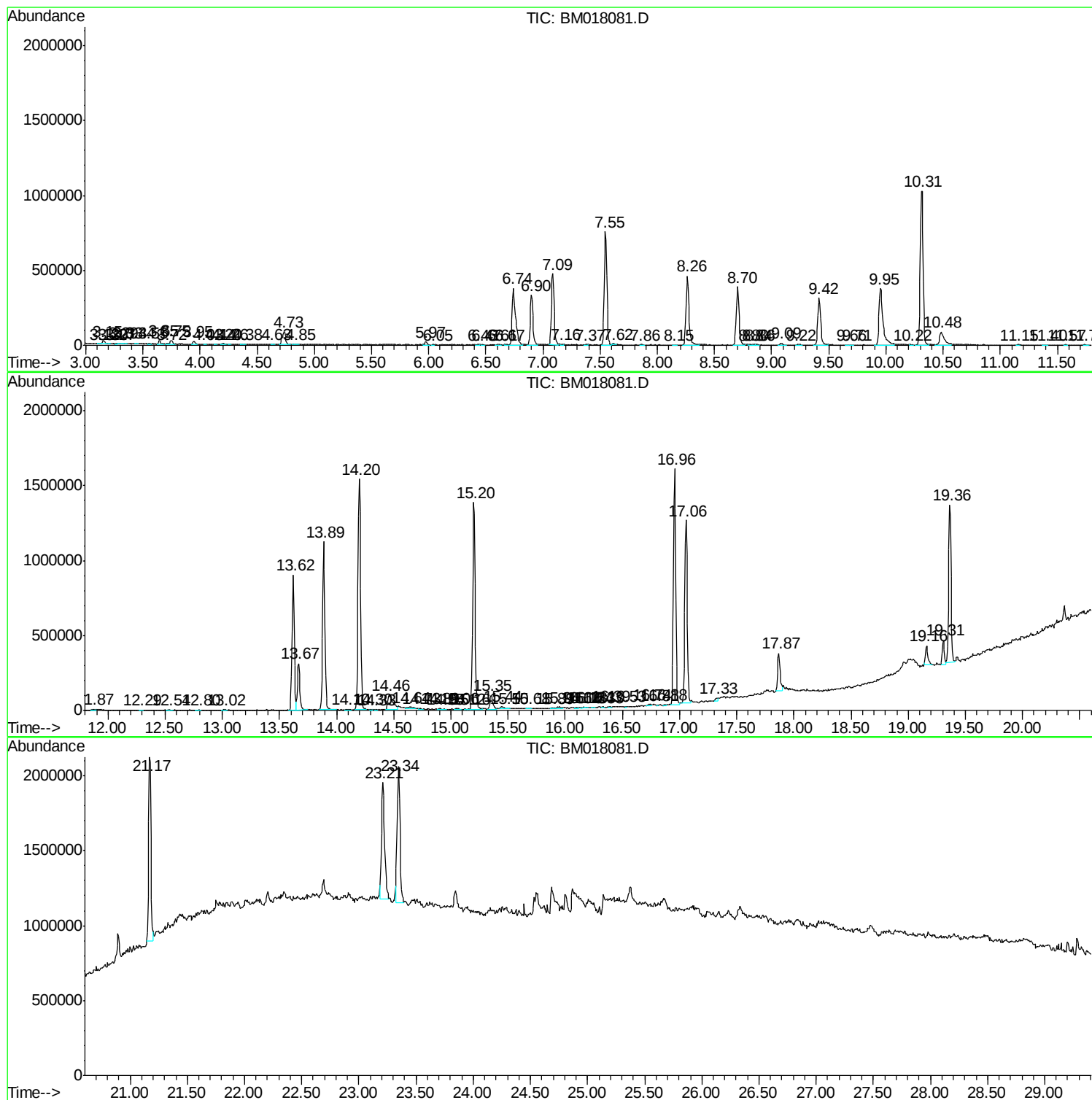
Sum of corrected areas: 28562326

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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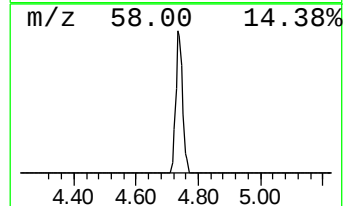
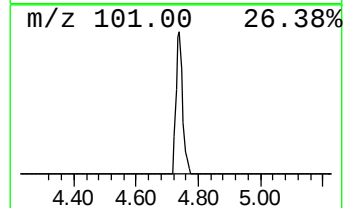
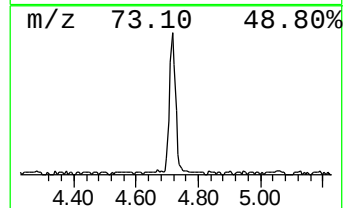
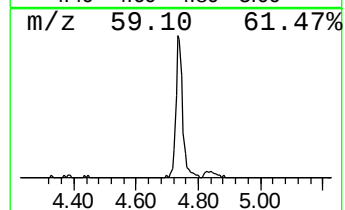
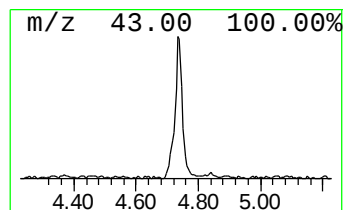
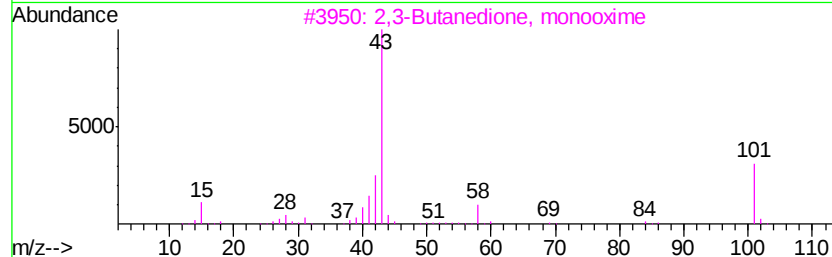
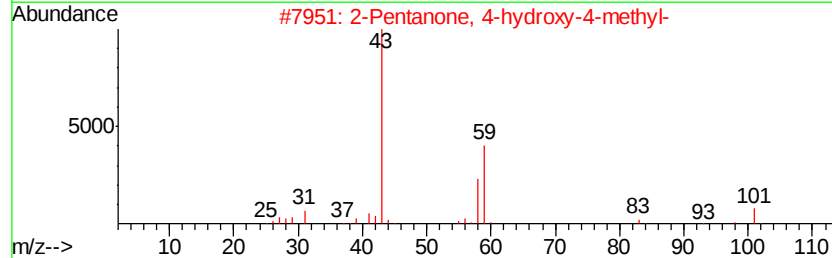
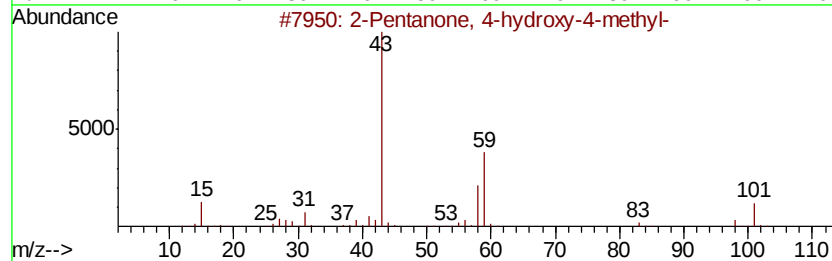
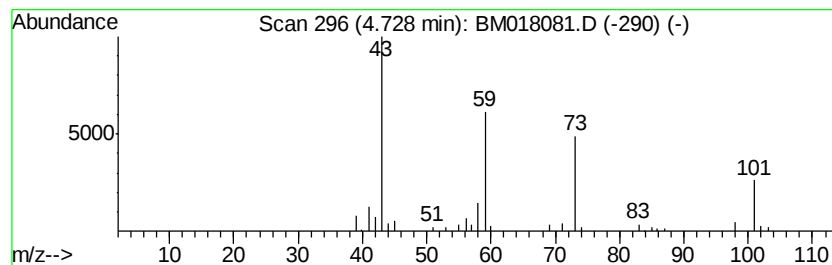
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	2.81 ng/ul	172248	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	25
5			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	17



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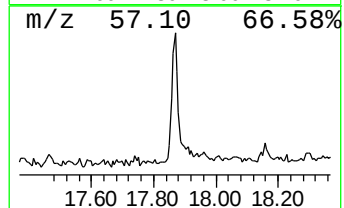
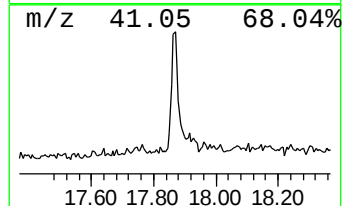
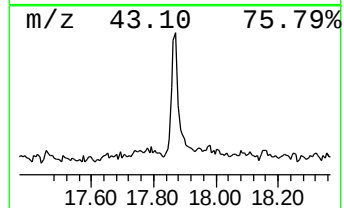
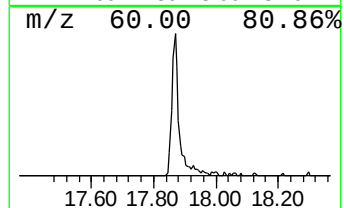
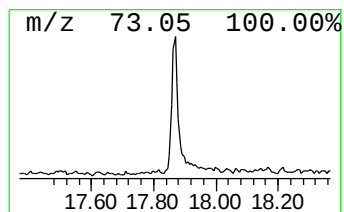
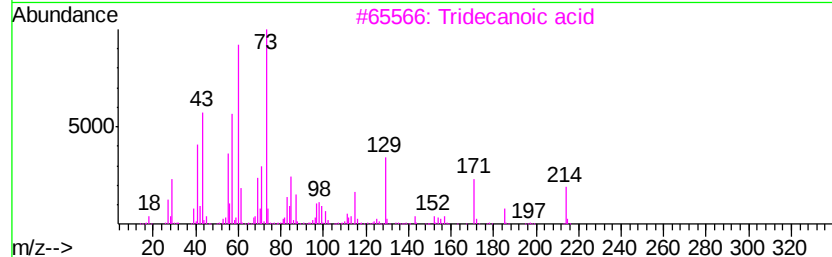
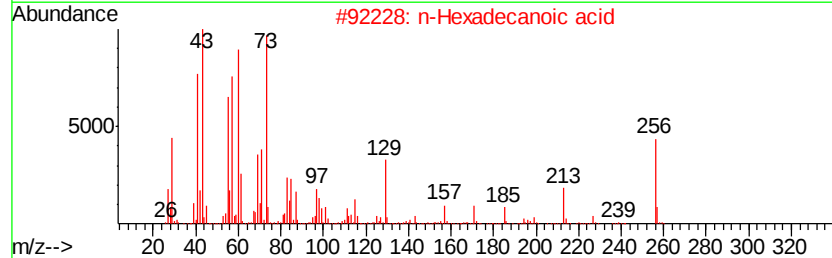
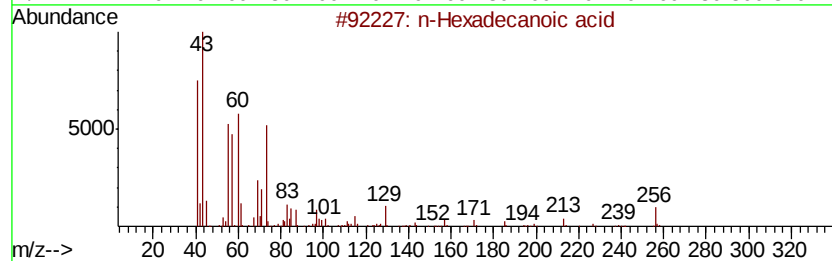
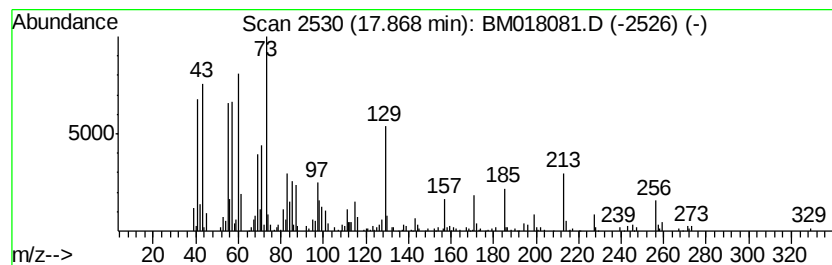
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.87	3.28 ng/ul	372432	Phenanthrene-d10	16.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96	
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76	
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72	
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70	



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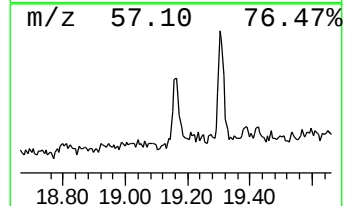
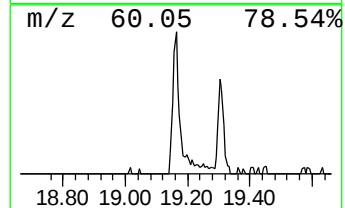
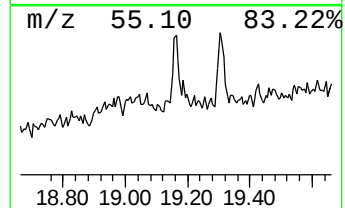
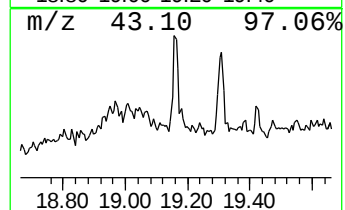
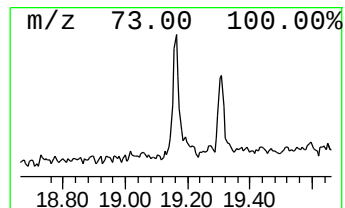
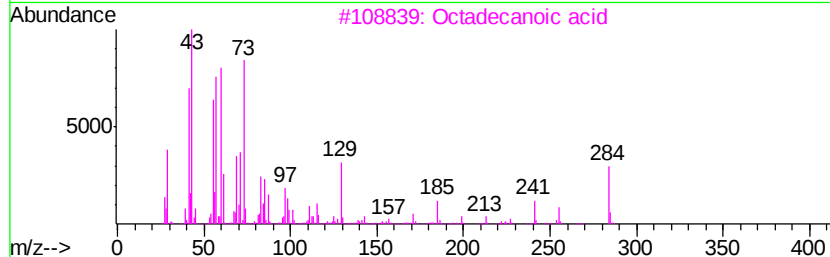
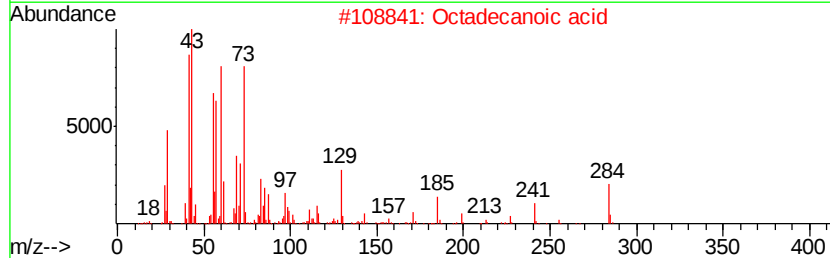
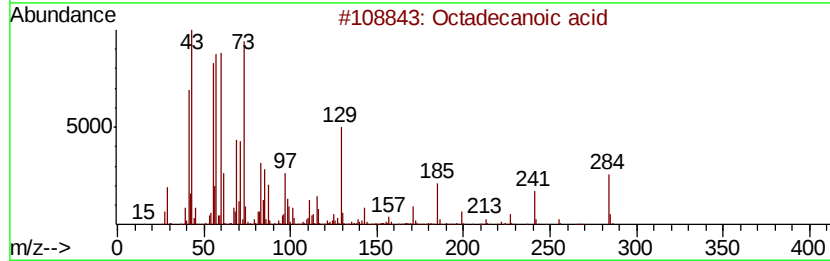
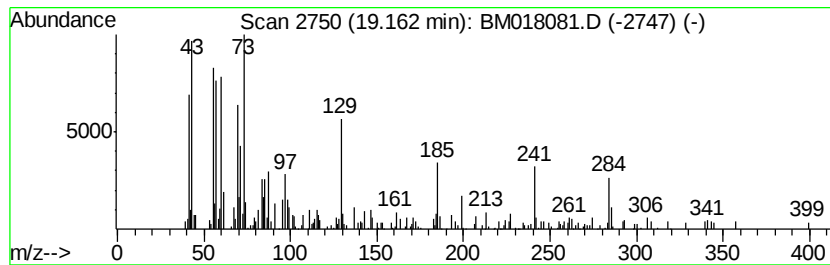
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Peak Number 3 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.18 ng/ul	181770	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2		Octadecanoic acid	284	C18H36O2	000057-11-4	95
3		Octadecanoic acid	284	C18H36O2	000057-11-4	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5		Tridecanoic acid	214	C13H26O2	000638-53-9	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018081.D
Acq On : 12 Dec 2018 05:41
Operator : JU/SJ
Sample : J6171-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y06

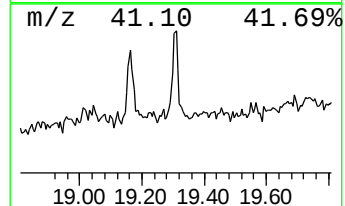
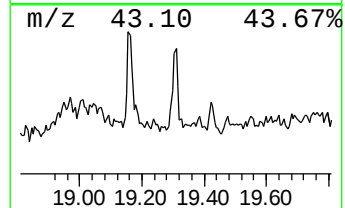
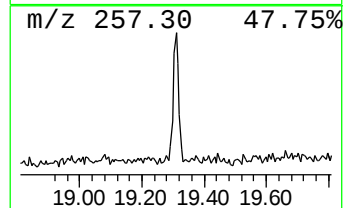
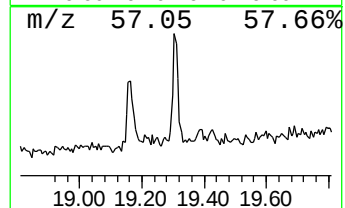
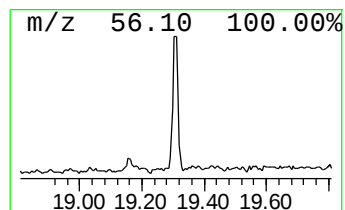
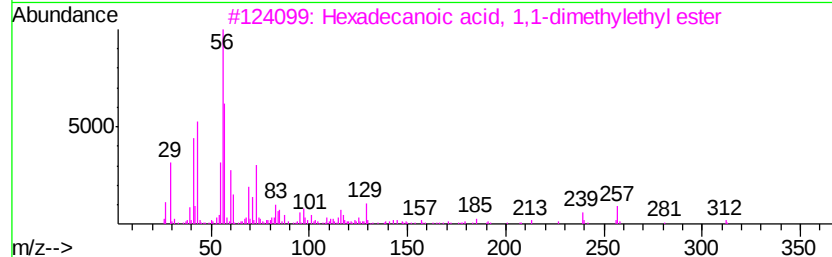
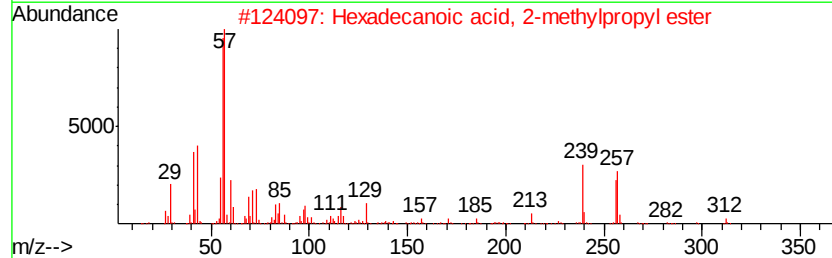
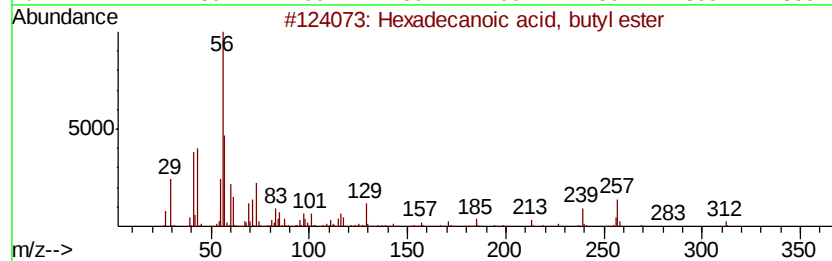
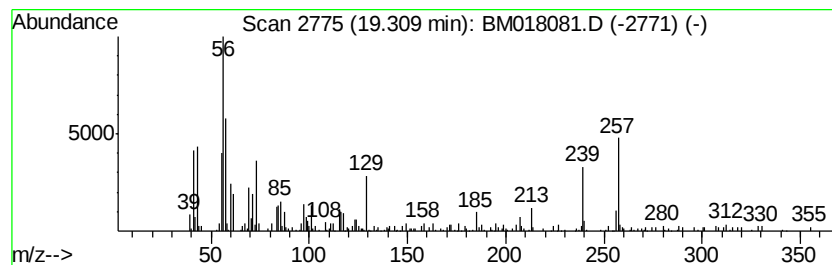
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Hexadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.28 ng/ul	189825	Chrysene-d12	21.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	95
2		Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	68
3		Hexadecanoic acid, 1,1-dimethyl...	312	C20H40O2	031158-91-5	64
4		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	52
5		1-Heptene, 2-methyl-	112	C8H16	015870-10-7	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121118\
Data File : BM018081.D
Acq On : 12 Dec 2018 05:41
Operator : JU/SJ
Sample : J6171-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9Y06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.73	2.8	ng/ul	172248	1	7.55	1223830	20.0
n-Hexadecanoic acid	17.87	3.3	ng/ul	372432	4	16.96	2272560	20.0
Octadecanoic acid	19.16	2.2	ng/ul	181770	5	21.17	1667190	20.0
Hexadecanoic acid...	19.31	2.3	ng/ul	189825	5	21.17	1667190	20.0