

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050417\
 Data File : BG026870.D
 Acq On : 4 May 2017 13:28
 Operator : SJ/MA
 Sample : I2871-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 YAB29

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 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: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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	3.162	10	12	14	rVB3	6929	5655	0.21%	0.016%
2	3.338	39	42	47	rBV6	2090	4292	0.16%	0.012%
3	3.426	51	57	66	rVB2	23826	41051	1.52%	0.116%
4	4.055	163	164	176	rVB5	3126	7916	0.29%	0.022%
5	4.149	176	180	184	rBV6	1980	4694	0.17%	0.013%
6	4.830	290	296	304	rVB6	3079	8637	0.32%	0.024%
7	4.907	304	309	315	rVB7	2978	4738	0.18%	0.013%
8	5.154	344	351	358	rVB7	2075	6437	0.24%	0.018%
9	6.082	500	509	521	rBV2	19785	50687	1.87%	0.143%
10	6.199	526	529	538	rVB8	4392	9800	0.36%	0.028%
11	7.181	685	696	714	rBV	388519	782230	28.93%	2.211%
12	7.327	714	721	734	rVV	375200	617673	22.84%	1.746%
13	7.427	734	738	743	rVB8	3088	5948	0.22%	0.017%
14	7.545	749	758	772	rBV	440521	785887	29.06%	2.221%
15	8.003	826	836	849	rBV	547921	960728	35.53%	2.715%
16	8.432	903	909	911	rVB3	2202	4446	0.16%	0.013%
17	8.720	947	958	982	rBV	532383	1046410	38.70%	2.957%
18	9.166	1024	1034	1049	rVV	396026	735313	27.19%	2.078%
19	9.331	1057	1062	1065	rBV5	3815	6702	0.25%	0.019%
20	9.584	1101	1105	1111	rVB4	8298	11525	0.43%	0.033%
21	9.889	1148	1157	1170	rBV	320582	608383	22.50%	1.719%
22	9.971	1170	1171	1177	rVB4	2751	4516	0.17%	0.013%
23	10.436	1239	1250	1280	rBV	496385	1015989	37.57%	2.871%
24	10.806	1303	1313	1327	rVV	908885	1612729	59.64%	4.558%
25	10.941	1327	1336	1355	rVV	465069	928724	34.35%	2.625%
26	11.675	1453	1461	1466	rBV3	2684	4514	0.17%	0.013%
27	12.292	1560	1566	1571	rVB7	5424	11933	0.44%	0.034%
28	12.398	1576	1584	1591	rVB2	8493	18437	0.68%	0.052%
29	12.533	1605	1607	1613	rVB2	2553	3975	0.15%	0.011%
30	12.610	1613	1620	1624	rBV5	2948	8111	0.30%	0.023%
31	13.226	1720	1725	1734	rVB6	5865	15653	0.58%	0.044%
32	13.309	1734	1739	1741	rBV	2820	4035	0.15%	0.011%
33	13.350	1743	1746	1753	rBV5	2450	4812	0.18%	0.014%
34	13.438	1757	1761	1765	rBV3	6068	7632	0.28%	0.022%

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35	13.520	1771	1775	1779	rBV6	3333	5082	0.19%	0.014%
36	13.597	1781	1788	1793	rVB7	3333	6580	0.24%	0.019%
37	13.896	1835	1839	1841	rBV3	3689	4873	0.18%	0.014%
38	14.020	1852	1860	1864	rVV	969751	1445232	53.45%	4.085%
39	14.067	1864	1868	1878	rVV	213927	328518	12.15%	0.928%
40	14.131	1878	1879	1888	rVB6	5498	7036	0.26%	0.020%
41	14.313	1900	1910	1929	rVB	1199384	1905534	70.47%	5.385%
42	14.449	1929	1933	1936	rBV5	3519	5875	0.22%	0.017%
43	14.507	1937	1943	1949	rVB	25524	33780	1.25%	0.095%
44	14.619	1952	1962	1974	rBV2	1289885	2073786	76.69%	5.861%
45	14.842	1994	2000	2024	rBV	151666	505684	18.70%	1.429%
46	15.001	2024	2027	2032	rVB7	7040	10708	0.40%	0.030%
47	15.060	2033	2037	2041	rVB7	6461	10816	0.40%	0.031%
48	15.118	2043	2047	2055	rVV10	9428	18018	0.67%	0.051%
49	15.189	2055	2059	2065	rVV6	7446	13158	0.49%	0.037%
50	15.347	2081	2086	2091	rBV8	4000	8545	0.32%	0.024%
51	15.400	2091	2095	2099	rBV3	9071	15372	0.57%	0.043%
52	15.447	2099	2103	2110	rVB	52569	71903	2.66%	0.203%
53	15.506	2110	2113	2118	rBV7	7437	11118	0.41%	0.031%
54	15.606	2119	2130	2142	rVV	1482558	2268427	83.89%	6.411%
55	15.729	2144	2151	2165	rBV	279532	458857	16.97%	1.297%
56	15.847	2165	2171	2176	rBV4	36216	67126	2.48%	0.190%
57	15.894	2177	2179	2183	rVB5	7532	8345	0.31%	0.024%
58	15.947	2184	2188	2193	rVB8	10403	17341	0.64%	0.049%
59	16.006	2193	2198	2203	rBV4	10223	21884	0.81%	0.062%
60	16.070	2204	2209	2214	rVB4	9827	15656	0.58%	0.044%
61	16.147	2218	2222	2225	rBV6	4212	6152	0.23%	0.017%
62	16.305	2244	2249	2260	rBV3	66033	127055	4.70%	0.359%
63	16.558	2286	2292	2300	rBV3	7305	19162	0.71%	0.054%
64	16.652	2303	2308	2311	rBV6	10376	16054	0.59%	0.045%
65	16.769	2323	2328	2331	rBV6	8192	15737	0.58%	0.044%
66	16.816	2333	2336	2339	rBV3	5459	5636	0.21%	0.016%
67	16.881	2344	2347	2351	rBV5	6013	6248	0.23%	0.018%
68	17.098	2380	2384	2388	rBV	40630	54721	2.02%	0.155%
69	17.145	2388	2392	2398	rVV5	20485	35586	1.32%	0.101%
70	17.351	2419	2427	2434	rBV2	1417940	2102510	77.75%	5.942%
71	17.451	2437	2444	2454	rVB2	1448380	2194496	81.15%	6.202%

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72	17.627	2473	2474	2481	rVB7	7589	13092	0.48%	0.037%
73	17.751	2493	2495	2503	rVB8	7491	13889	0.51%	0.039%
74	17.833	2503	2509	2515	rBV2	24203	35839	1.33%	0.101%
75	18.127	2553	2559	2560	rBV6	7315	10339	0.38%	0.029%
76	18.232	2572	2577	2592	rBV3	116522	253416	9.37%	0.716%
77	18.485	2617	2620	2622	rBV4	4947	5883	0.22%	0.017%
78	18.585	2633	2637	2642	rBV8	8866	19727	0.73%	0.056%
79	18.661	2648	2650	2657	rVB8	7424	9269	0.34%	0.026%
80	18.761	2665	2667	2673	rVB7	7450	12365	0.46%	0.035%
81	18.896	2689	2690	2693	rBV3	8257	8087	0.30%	0.023%
82	19.078	2719	2721	2727	rVB7	17469	23097	0.85%	0.065%
83	19.125	2727	2729	2730	rBV2	8902	7019	0.26%	0.020%
84	19.372	2766	2771	2782	rBV6	26148	79472	2.94%	0.225%
85	19.501	2784	2793	2803	rBV5	67420	157832	5.84%	0.446%
86	19.619	2810	2813	2816	rBV3	21358	29174	1.08%	0.082%
87	19.731	2823	2832	2841	rBV	1675262	2367696	87.56%	6.692%
88	20.741	3001	3004	3007	rVB4	16467	15894	0.59%	0.045%
89	21.152	3072	3074	3077	rBV4	15966	18161	0.67%	0.051%
90	21.599	3142	3150	3161	rBV	1309810	2205169	81.55%	6.232%
91	22.363	3276	3280	3283	rBV3	39908	63013	2.33%	0.178%
92	23.038	3390	3395	3403	rVB3	68154	119795	4.43%	0.339%
93	23.226	3423	3427	3435	rVB3	66246	117818	4.36%	0.333%
94	23.820	3522	3528	3538	rVB2	85399	201262	7.44%	0.569%
95	24.543	3641	3651	3665	rBV2	799854	2233048	82.58%	6.311%
96	24.754	3678	3687	3710	rVB3	871934	2704101	100.00%	7.642%
97	25.835	3863	3871	3880	rBV4	116828	335009	12.39%	0.947%
98	27.151	4087	4095	4109	rVB4	114691	396519	14.66%	1.121%
99	28.732	4356	4364	4379	rVB4	76193	319749	11.82%	0.904%
100	30.647	4682	4690	4712	rVB7	66515	334435	12.37%	0.945%

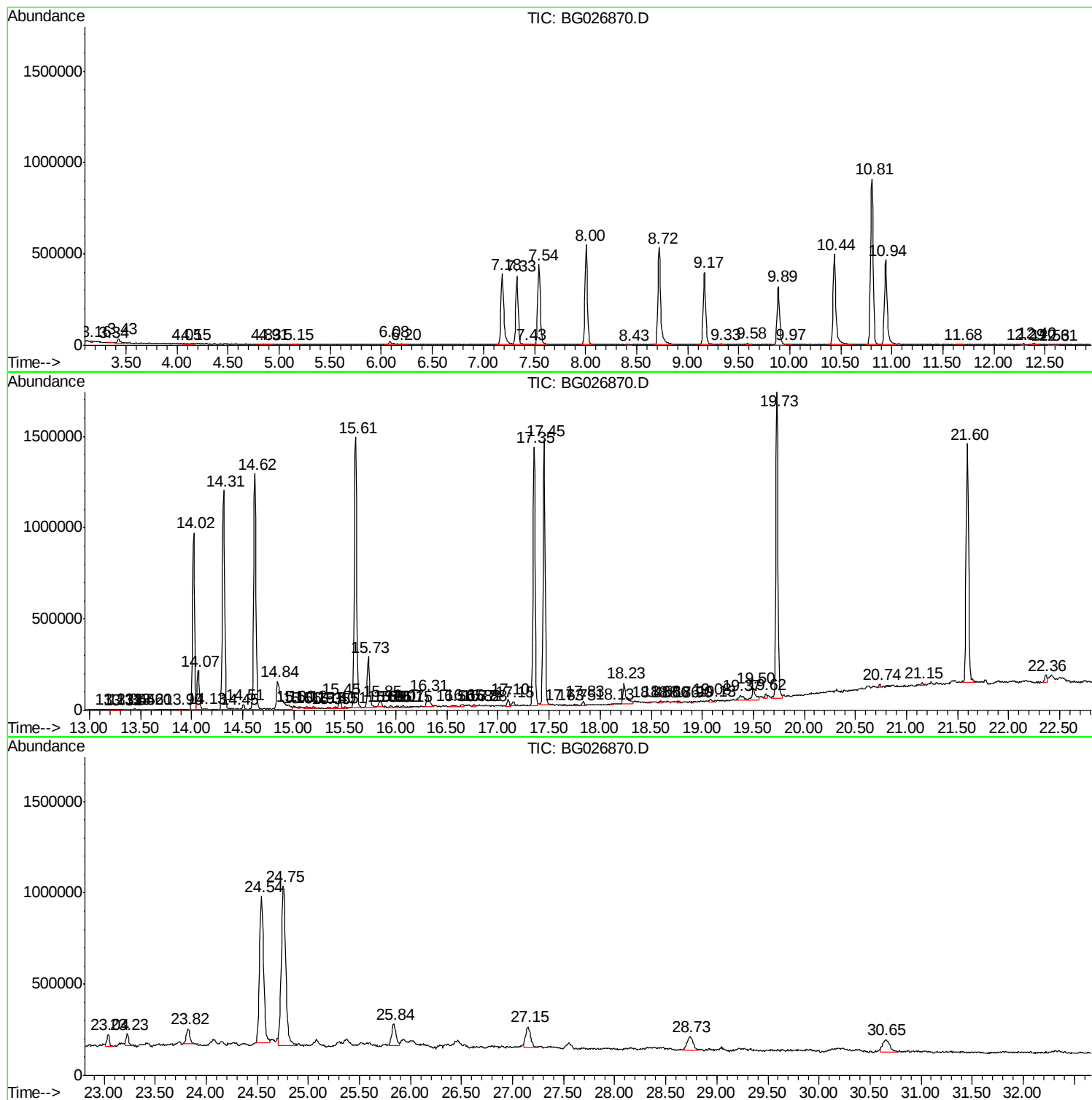
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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



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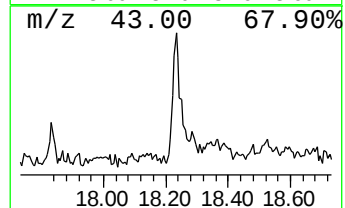
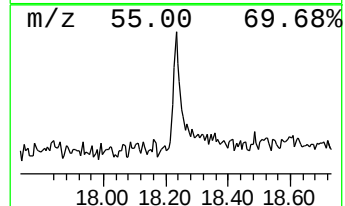
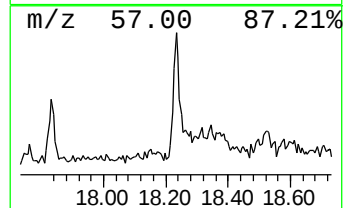
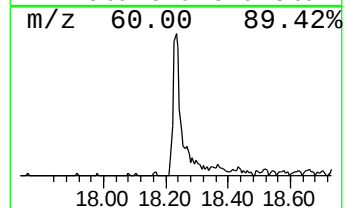
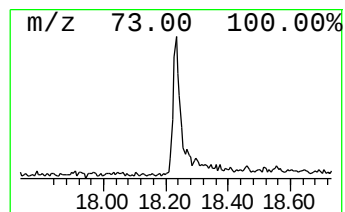
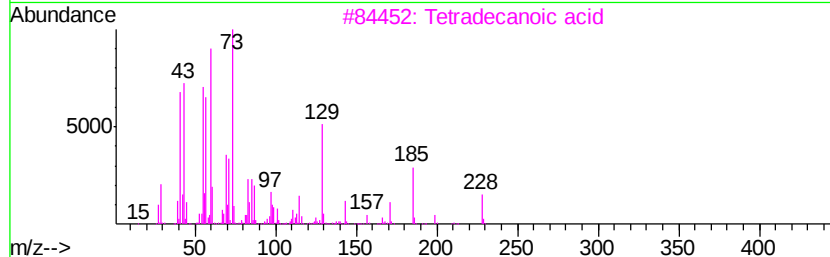
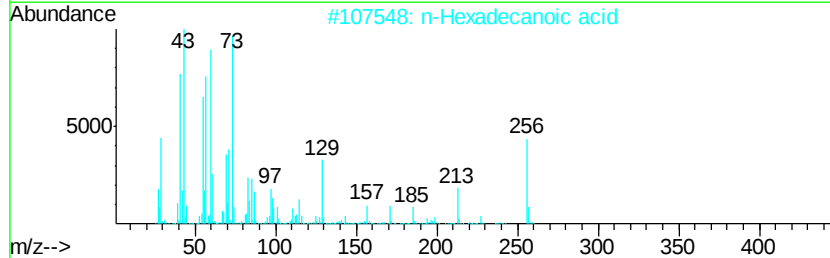
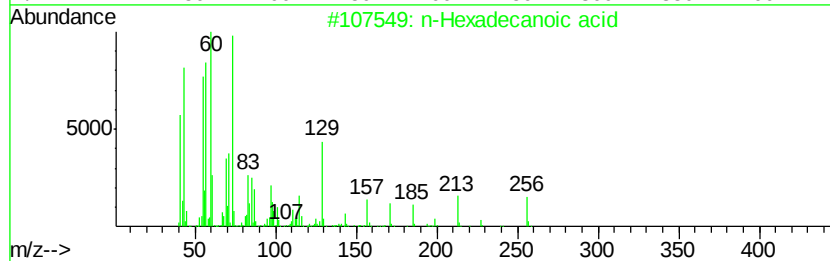
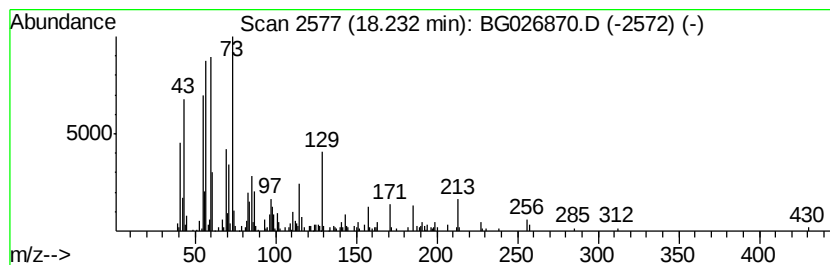
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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.		
18.23	2.41 ng/ul	253416	Phenanthrene-d10	17.35		
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	95	
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93	
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87	
5	Tridecanoic acid	214	C13H26O2	000638-53-9	81	



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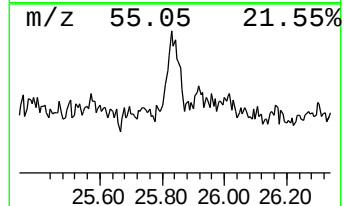
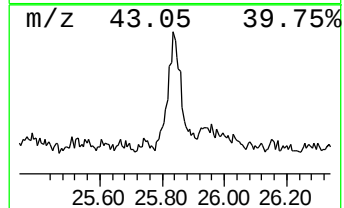
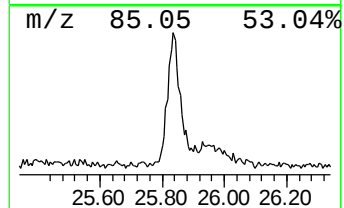
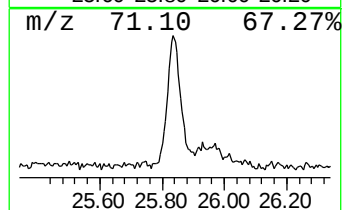
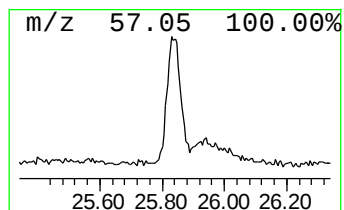
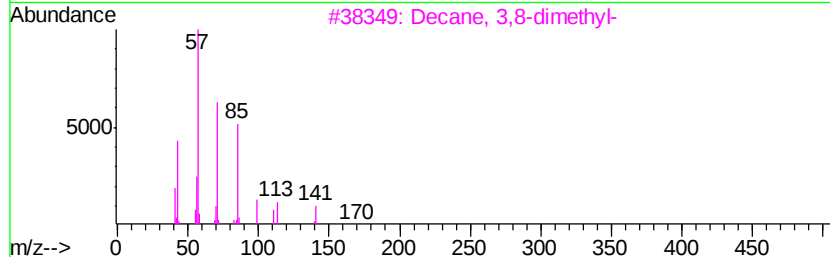
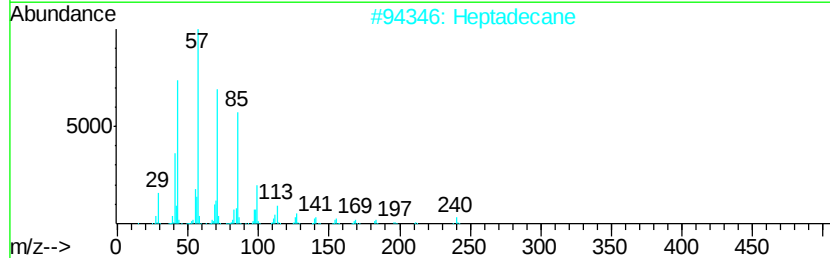
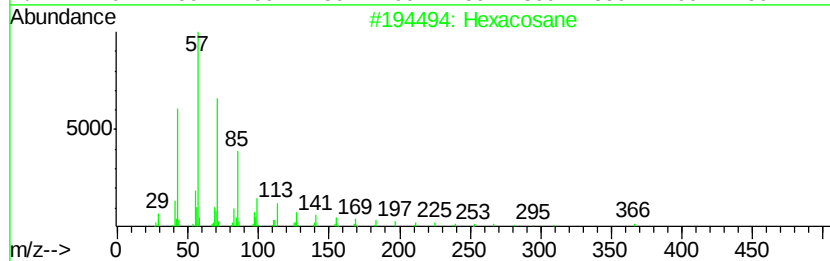
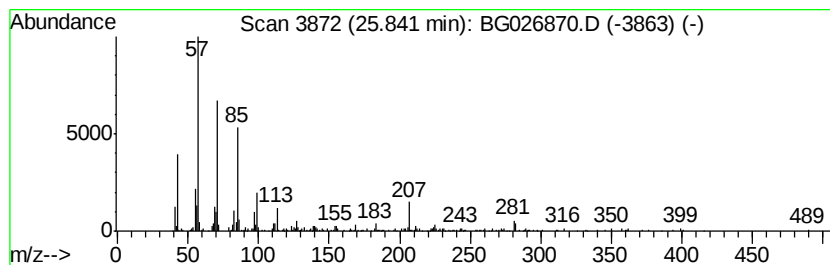
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.84	2.48 ng/ul	335009	Perylene-d12	24.75

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	86
2			Heptadecane	240	C17H36	000629-78-7	83
3			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81
4			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	80
5			Nonadecane	268	C19H40	000629-92-5	80



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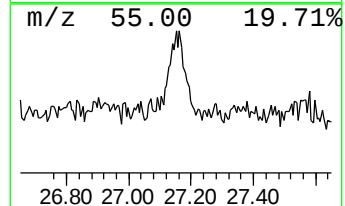
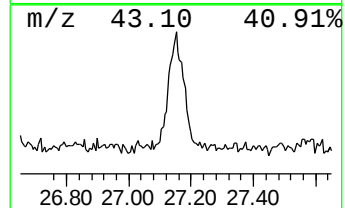
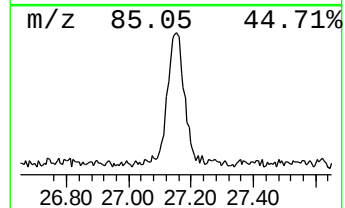
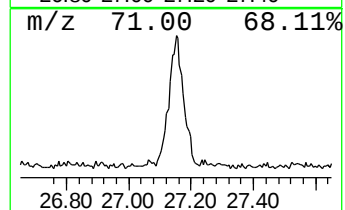
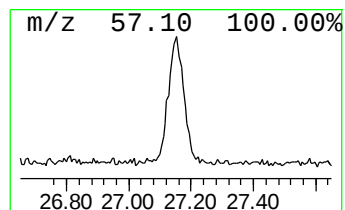
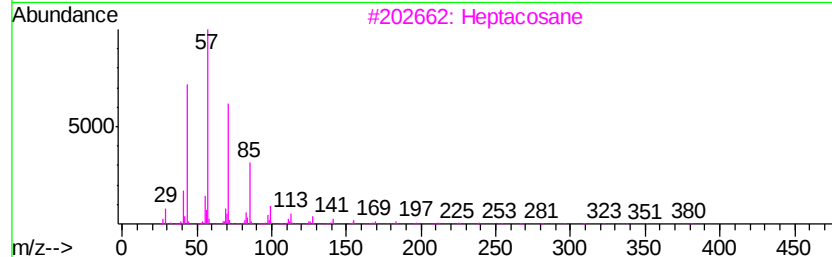
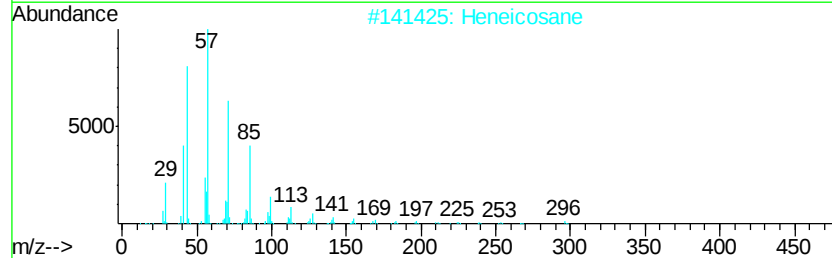
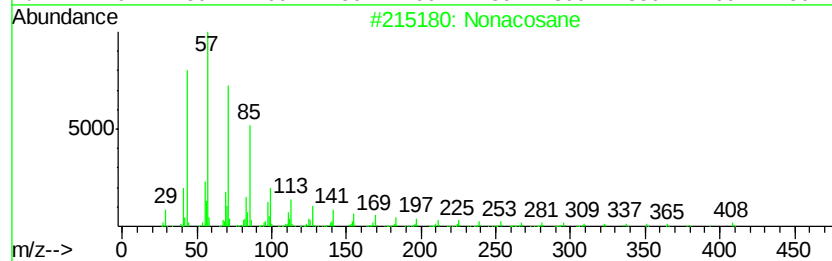
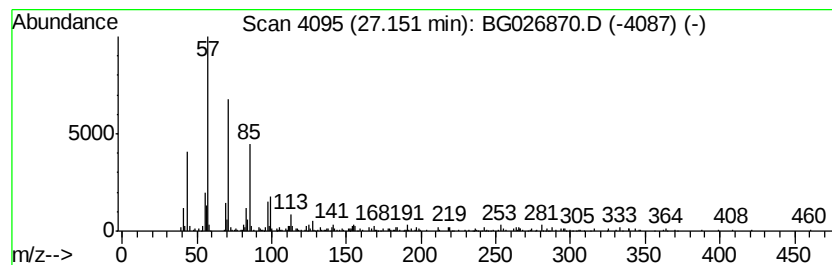
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.15	2.93 ng/ul	396519	Perylene-d12	24.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonacosane	408	C29H60	000630-03-5	90
2		Heneicosane	296	C21H44	000629-94-7	87
3		Heptacosane	380	C27H56	000593-49-7	83
4		Eicosane	282	C20H42	000112-95-8	80
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050417\
Data File : BG026870.D
Acq On : 4 May 2017 13:28
Operator : SJ/MA
Sample : I2871-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YAB29

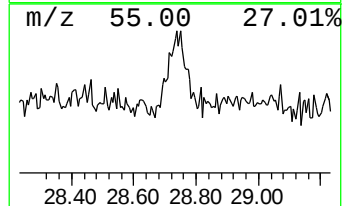
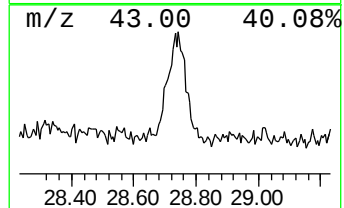
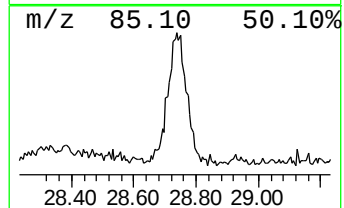
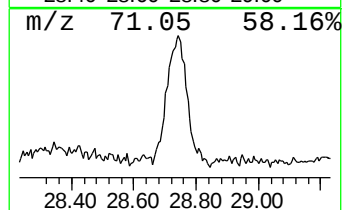
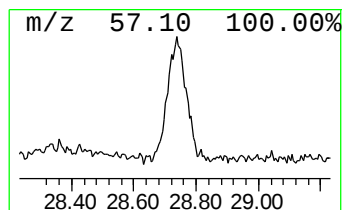
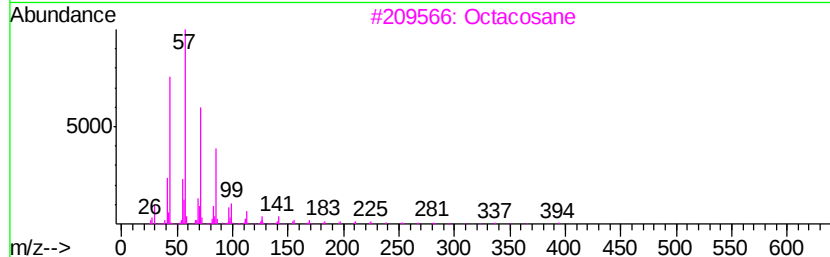
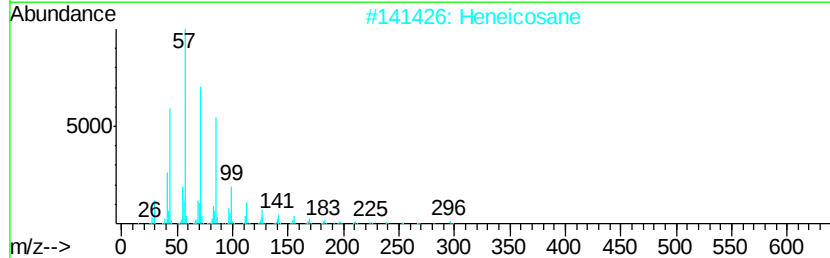
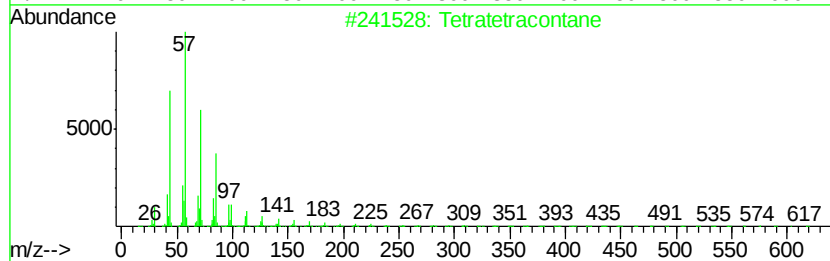
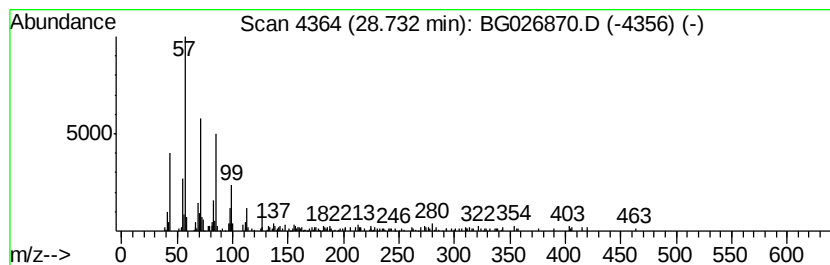
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.73	2.36 ng/ul	319749	Perylene-d12	24.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	68
2		Heneicosane	296	C21H44	000629-94-7	64
3		Octacosane	394	C28H58	000630-02-4	64
4		Eicosane, 2-methyl-	296	C21H44	001560-84-5	59
5		Pentacosane	352	C25H52	000629-99-2	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050417\
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Acq On : 4 May 2017 13:28
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Sample : I2871-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YAB29

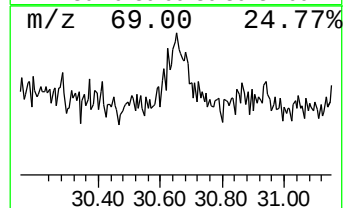
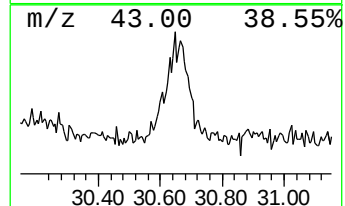
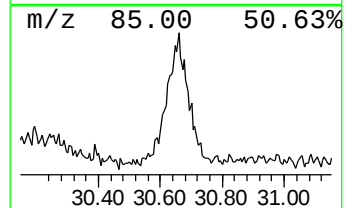
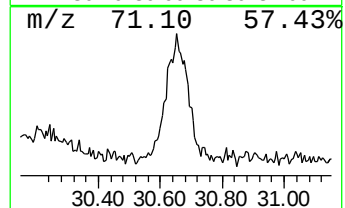
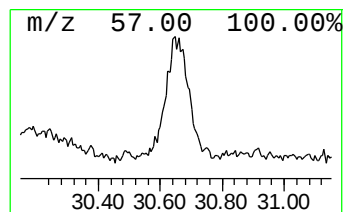
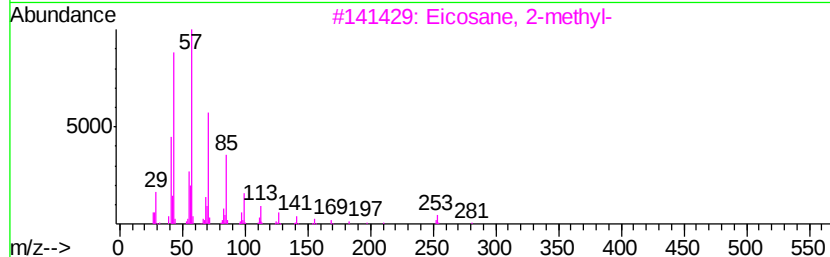
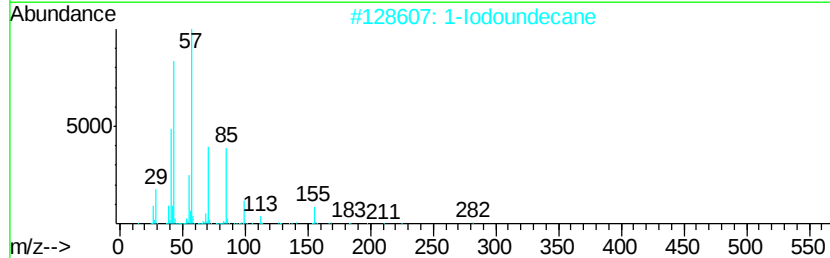
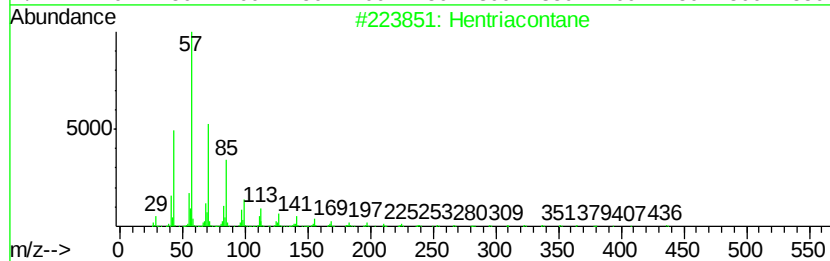
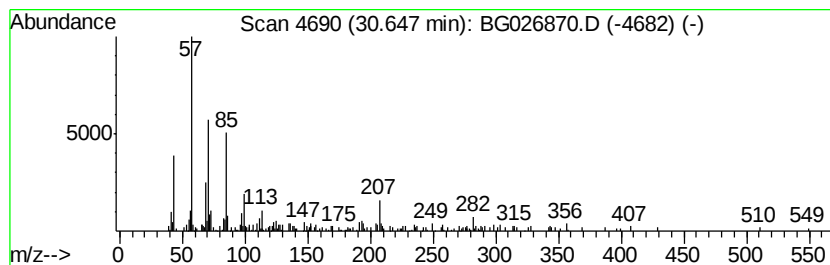
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.65	2.47 ng/ul	334435	Perylene-d12	24.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hentriacontane	437	C31H64	000630-04-6	72
2		1-Iodoundecane	282	C11H23I	004282-44-4	64
3		Eicosane, 2-methyl-	296	C21H44	001560-84-5	64
4		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	58
5		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	47



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050417\
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Sample : I2871-19
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
YAB29

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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	18.23	2.4	ng/ul	253416	4	17.35	2102510	20.0
(DEL) Alkane: Str...	25.84	2.5	ng/ul	335009	6	24.75	2704100	20.0
(DEL) Alkane: Str...	27.15	2.9	ng/ul	396519	6	24.75	2704100	20.0
(DEL) Alkane: Str...	28.73	2.4	ng/ul	319749	6	24.75	2704100	20.0
(DEL) Alkane: Str...	30.65	2.5	ng/ul	334435	6	24.75	2704100	20.0