

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\
 Data File : BG024347.D
 Acq On : 14 Oct 2016 11:26
 Operator : UM/SJ
 Sample : H5187-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDPC2

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\SOM02.2-EPA-BG0100716.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	3.642	133	137	145	rVB4	38184	66614	1.27%	0.113%
2	4.053	204	207	209	rBV4	10917	12548	0.24%	0.021%
3	4.406	266	267	272	rVB4	14368	23144	0.44%	0.039%
4	4.471	277	278	283	rVB5	8479	12713	0.24%	0.022%
5	4.929	354	356	361	rVB5	7522	11040	0.21%	0.019%
6	5.105	383	386	390	rVB6	9203	11816	0.22%	0.020%
7	5.211	399	404	406	rBV4	12899	12773	0.24%	0.022%
8	5.599	466	470	473	rVB5	7981	13996	0.27%	0.024%
9	5.693	484	486	490	rBV5	11420	16442	0.31%	0.028%
10	6.069	547	550	553	rVB5	9754	12809	0.24%	0.022%
11	6.098	553	555	558	rBV2	9807	14351	0.27%	0.024%
12	6.327	593	594	603	rVB6	13429	24978	0.47%	0.042%
13	6.404	603	607	608	rVB3	9948	10853	0.21%	0.018%
14	6.421	608	610	613	rBV4	9017	11127	0.21%	0.019%
15	6.686	651	655	659	rVV7	7502	12774	0.24%	0.022%
16	6.727	659	662	667	rVB7	8043	13696	0.26%	0.023%
17	7.203	739	743	745	rBV5	12778	15641	0.30%	0.027%
18	7.414	767	779	793	rBV	649790	1283025	24.39%	2.179%
19	7.596	804	810	820	rBV	461242	797995	15.17%	1.355%
20	7.808	837	846	856	rVB2	624159	1092355	20.76%	1.855%
21	7.984	874	876	879	rVB4	10404	11076	0.21%	0.019%
22	8.284	919	927	938	rBV2	521672	954797	18.15%	1.622%
23	8.666	988	992	997	rVB7	8755	12565	0.24%	0.021%
24	8.719	997	1001	1007	rVB7	7608	14952	0.28%	0.025%
25	8.971	1036	1044	1059	rBV	849863	1504918	28.61%	2.556%
26	9.236	1082	1089	1092	rBV8	9066	18803	0.36%	0.032%
27	9.383	1111	1114	1117	rBV2	9510	15086	0.29%	0.026%
28	9.459	1118	1127	1143	rVB2	682492	1274421	24.22%	2.165%
29	9.817	1180	1188	1196	rVB2	20297	46524	0.88%	0.079%
30	10.182	1241	1250	1262	rBV3	582189	1111366	21.12%	1.888%
31	10.575	1311	1317	1323	rBV6	10649	27326	0.52%	0.046%
32	10.716	1332	1341	1353	rBV	880429	1584751	30.12%	2.692%
33	10.934	1375	1378	1381	rBV4	10596	15244	0.29%	0.026%
34	11.039	1392	1396	1400	rBV5	9452	17425	0.33%	0.030%

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35	11.116	1400	1409	1421	rVB	770239	1442293	27.41%	2.450%
36	11.245	1421	1431	1442	rBV	816115	1591772	30.26%	2.704%
37	12.091	1568	1575	1578	rBV8	16561	25494	0.48%	0.043%
38	12.373	1621	1623	1628	rBV6	7969	10911	0.21%	0.019%
39	12.473	1636	1640	1643	rBV4	17952	19412	0.37%	0.033%
40	12.567	1652	1656	1658	rBV4	6827	11470	0.22%	0.019%
41	12.679	1669	1675	1681	rVB7	21676	42019	0.80%	0.071%
42	13.066	1735	1741	1742	rBV5	8945	15233	0.29%	0.026%
43	13.249	1767	1772	1773	rBV5	9337	14657	0.28%	0.025%
44	13.407	1794	1799	1805	rBV7	11681	21842	0.42%	0.037%
45	13.501	1810	1815	1817	rBV4	11155	15192	0.29%	0.026%
46	13.695	1841	1848	1854	rVB5	36275	65532	1.25%	0.111%
47	13.766	1854	1860	1866	rBV5	23722	44497	0.85%	0.076%
48	14.101	1911	1917	1923	rVB5	16248	35507	0.67%	0.060%
49	14.294	1940	1950	1954	rBV	1771441	2700046	51.32%	4.586%
50	14.341	1954	1958	1964	rVB	706367	1008564	19.17%	1.713%
51	14.459	1975	1978	1982	rVB6	14420	17549	0.33%	0.030%
52	14.600	1993	2002	2010	rBV	1770409	2868797	54.53%	4.873%
53	14.753	2023	2028	2033	rBV2	63229	93270	1.77%	0.158%
54	14.900	2046	2053	2061	rBV	1372601	2202762	41.87%	3.741%
55	15.064	2073	2081	2096	rBV	1035609	1667499	31.70%	2.832%
56	15.258	2109	2114	2119	rBV7	16610	27523	0.52%	0.047%
57	15.370	2128	2133	2140	rBV6	25640	46957	0.89%	0.080%
58	15.446	2140	2146	2149	rVB6	18344	34212	0.65%	0.058%
59	15.534	2159	2161	2165	rVB5	9695	11448	0.22%	0.019%
60	15.575	2165	2168	2170	rBV3	12477	16470	0.31%	0.028%
61	15.699	2185	2189	2195	rVB2	103768	131316	2.50%	0.223%
62	15.757	2197	2199	2203	rVB3	17966	14672	0.28%	0.025%
63	15.799	2205	2206	2211	rVB5	10293	14216	0.27%	0.024%
64	15.887	2214	2221	2229	rBV	2501215	3897391	74.08%	6.620%
65	15.987	2229	2238	2250	rBV	985704	1521406	28.92%	2.584%
66	16.110	2252	2259	2269	rVB7	55133	144277	2.74%	0.245%
67	16.198	2272	2274	2278	rVB5	12112	14667	0.28%	0.025%
68	16.257	2281	2284	2289	rVB7	14231	17200	0.33%	0.029%
69	16.327	2292	2296	2301	rVB8	14811	25146	0.48%	0.043%
70	16.433	2312	2314	2316	rBV3	15769	13172	0.25%	0.022%
71	16.515	2325	2328	2330	rVB4	12641	14623	0.28%	0.025%

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72	16.562	2330	2336	2346	rBV2	117496	282357	5.37%	0.480%
73	16.833	2378	2382	2386	rBV7	15177	29968	0.57%	0.051%
74	16.897	2390	2393	2399	rBV7	19660	45202	0.86%	0.077%
75	16.991	2406	2409	2417	rVB9	34580	68655	1.30%	0.117%
76	17.068	2420	2422	2425	rVB3	17672	17907	0.34%	0.030%
77	17.132	2430	2433	2437	rBV6	10319	14896	0.28%	0.025%
78	17.350	2465	2470	2475	rBV	114465	153661	2.92%	0.261%
79	17.403	2475	2479	2491	rVB7	47237	112322	2.13%	0.191%
80	17.485	2491	2493	2496	rBV4	12070	13168	0.25%	0.022%
81	17.643	2509	2520	2528	rBV	1796013	2872099	54.59%	4.878%
82	17.737	2530	2536	2548	rBV2	2783799	4416301	83.94%	7.501%
83	17.890	2560	2562	2569	rVB7	18529	25022	0.48%	0.043%
84	17.978	2571	2577	2587	rBV	386728	611631	11.63%	1.039%
85	18.090	2591	2596	2603	rVB3	54404	82076	1.56%	0.139%
86	18.360	2638	2642	2649	rBV10	48040	82674	1.57%	0.140%
87	18.484	2658	2663	2674	rBV	701243	1051717	19.99%	1.786%
88	18.777	2709	2713	2718	rVB2	45559	52173	0.99%	0.089%
89	19.336	2804	2808	2815	rBV9	57972	98875	1.88%	0.168%
90	19.394	2816	2818	2824	rVB5	30299	35582	0.68%	0.060%
91	19.529	2840	2841	2846	rBV4	16228	26792	0.51%	0.046%
92	19.647	2851	2861	2871	rVB8	76340	203477	3.87%	0.346%
93	19.741	2873	2877	2885	rBV2	270260	383923	7.30%	0.652%
94	19.894	2901	2903	2911	rVB3	44171	73098	1.39%	0.124%
95	20.011	2911	2923	2936	rBV	3350850	5261020	100.00%	8.936%
96	21.521	3175	3180	3189	rBV2	330091	552416	10.50%	0.938%
97	21.938	3243	3251	3262	rVB	1940874	3398785	64.60%	5.773%
98	23.689	3544	3549	3557	rVB2	238793	473247	9.00%	0.804%
99	25.146	3785	3797	3812	rVB	1690330	4979281	94.64%	8.457%
100	25.381	3826	3837	3853	rVB3	1093388	3517247	66.85%	5.974%

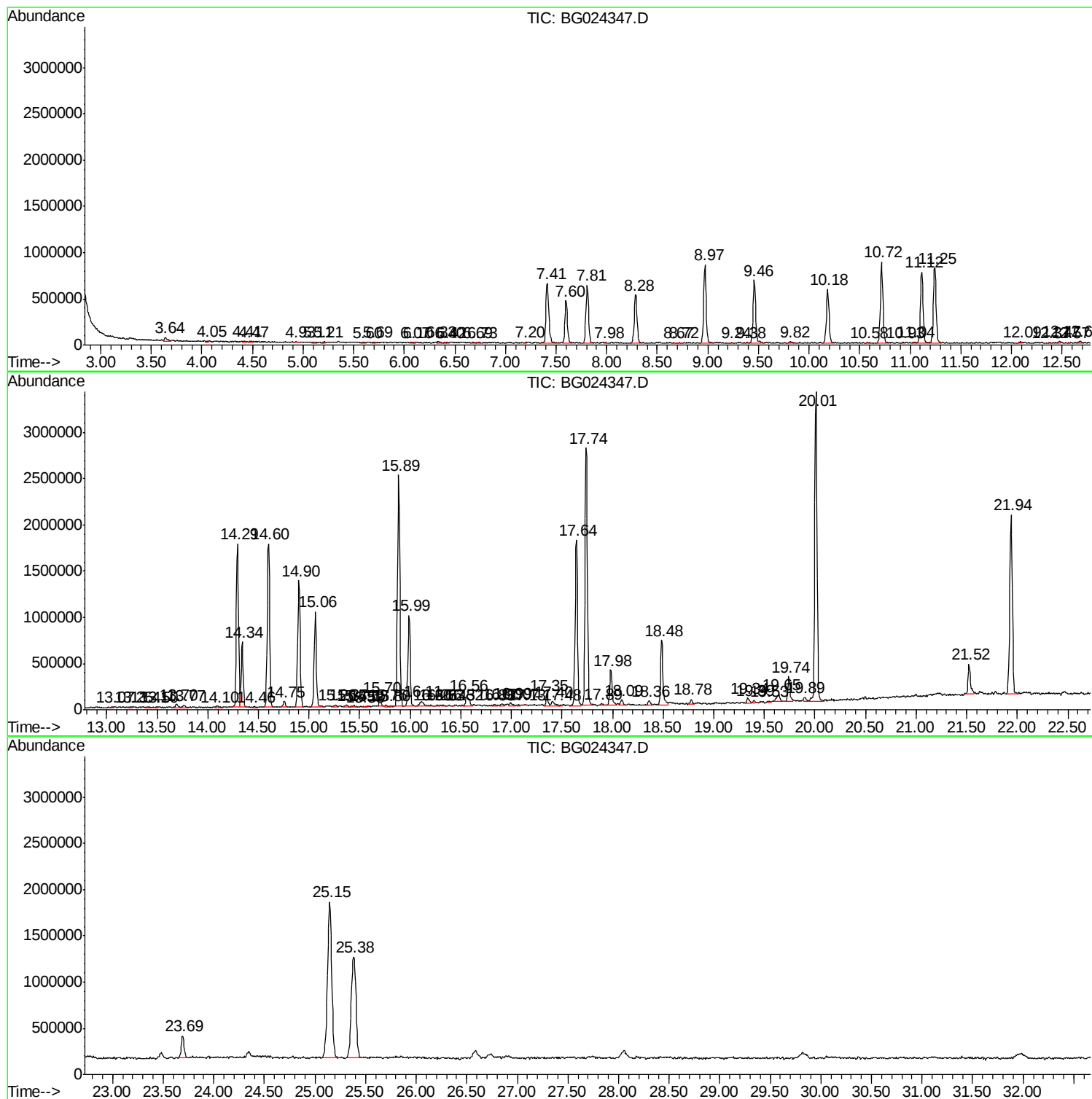
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

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



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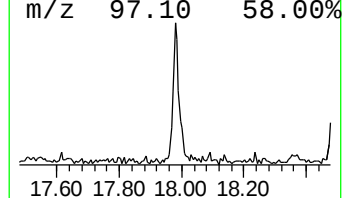
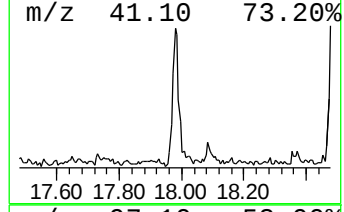
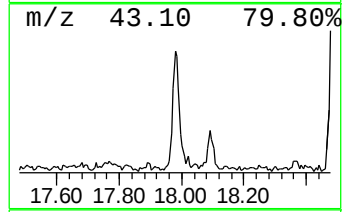
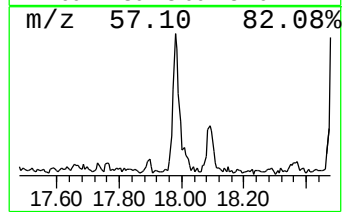
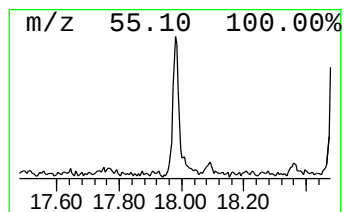
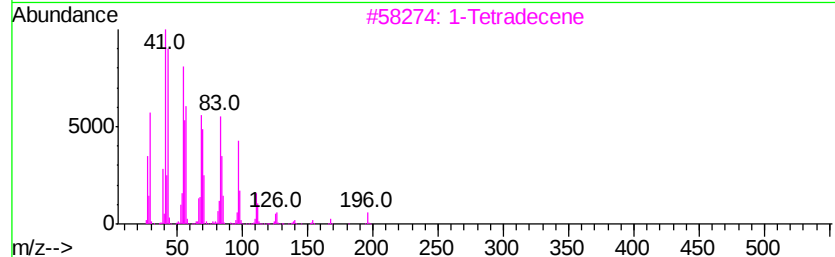
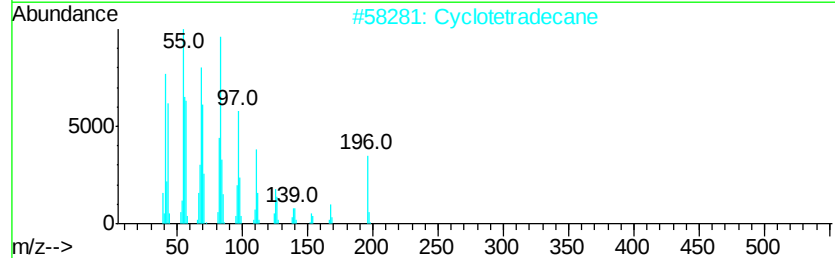
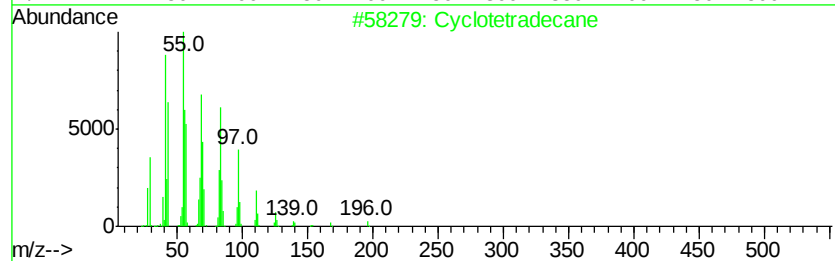
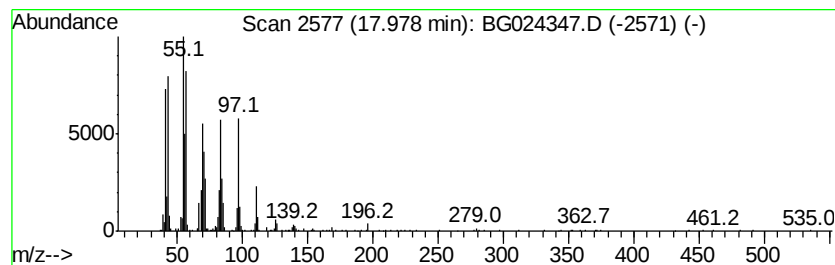
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic17.98 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	4.26 ng/ul	611631	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetradecane	196	C14H28	000295-17-0	96
2		Cyclotetradecane	196	C14H28	000295-17-0	93
3		1-Tetradecene	196	C14H28	001120-36-1	92
4		Cetene	224	C16H32	000629-73-2	91
5		E-14-Hexadecenal	238	C16H30O	330207-53-9	91



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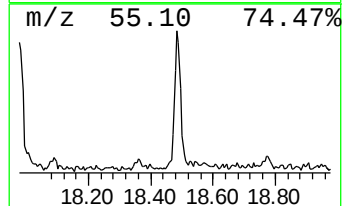
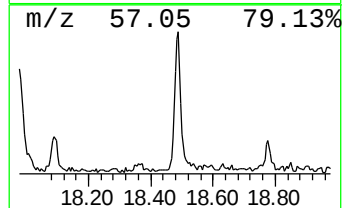
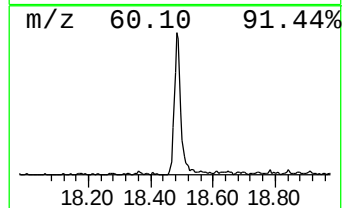
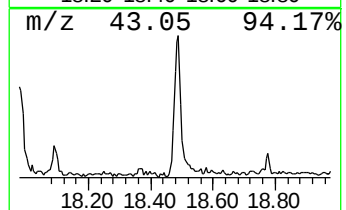
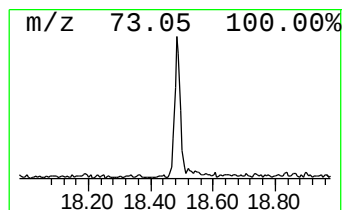
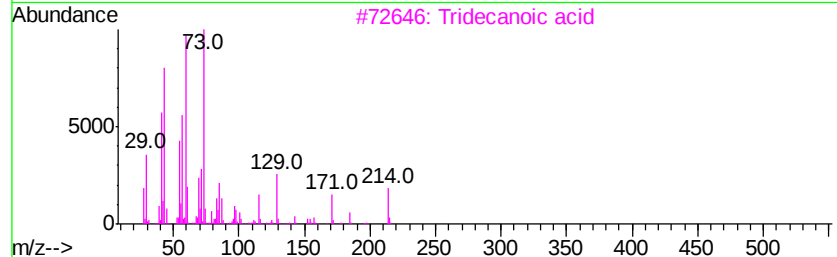
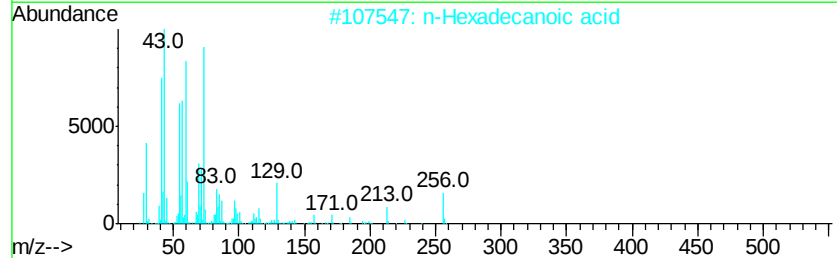
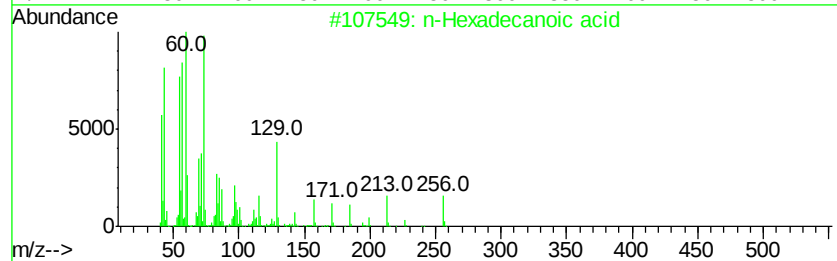
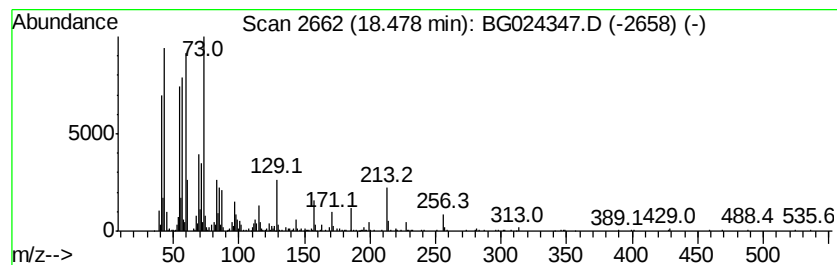
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	7.32 ng/ul	1051720	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3		Tridecanoic acid	214	C13H26O2	000638-53-9	81
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5		Tridecanoic acid	214	C13H26O2	000638-53-9	62



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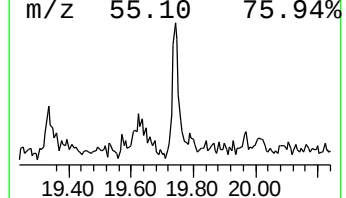
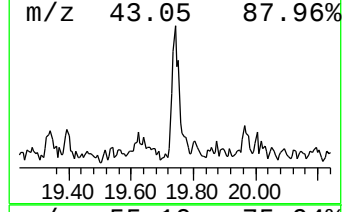
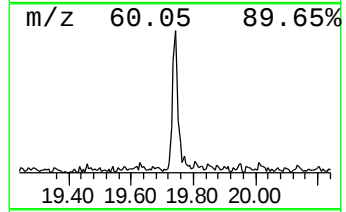
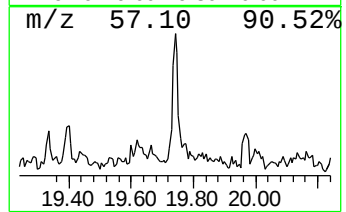
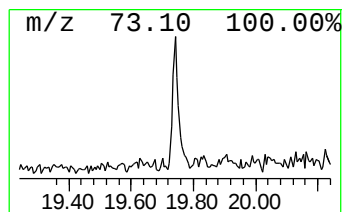
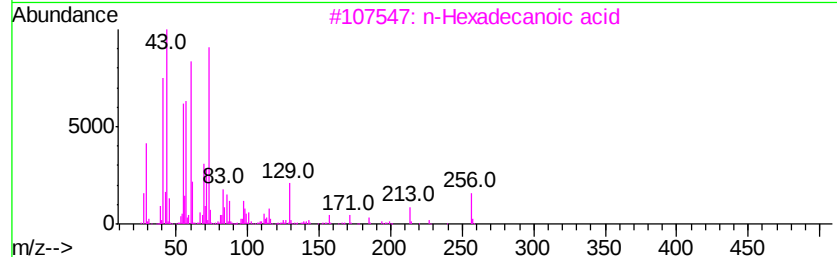
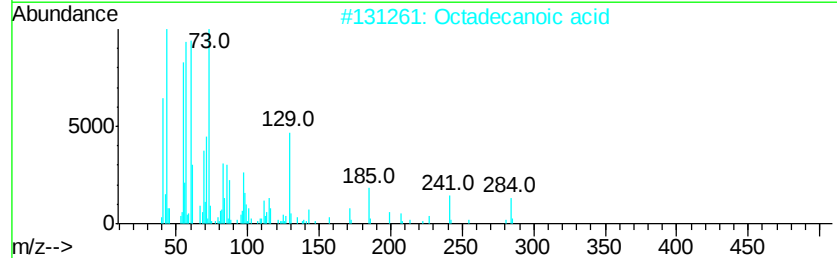
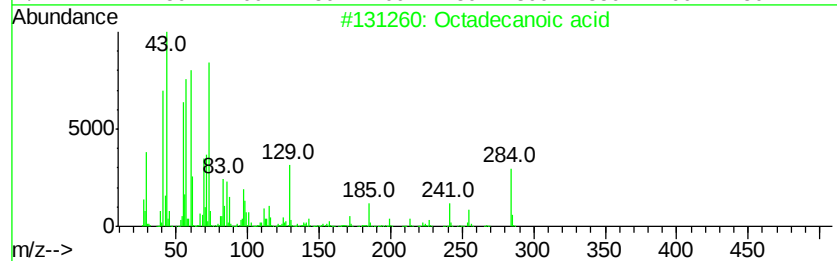
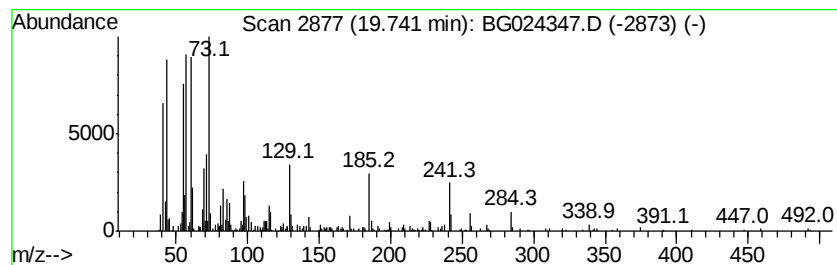
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Peak Number 3 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.67 ng/ul	383923	Phenanthrene-d10	17.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2		Octadecanoic acid	284	C18H36O2	000057-11-4	90
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	64



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Operator : UM/SJ
Sample : H5187-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDPC2

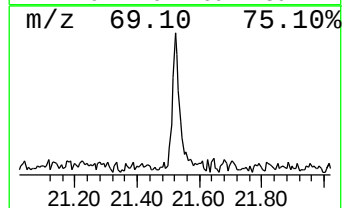
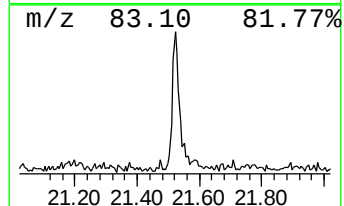
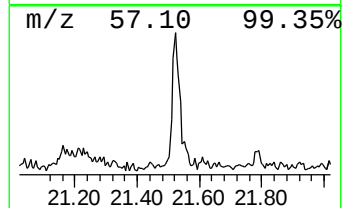
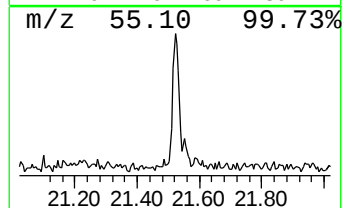
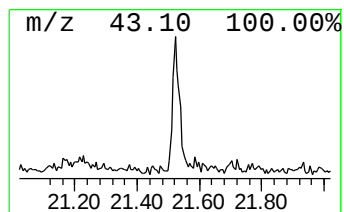
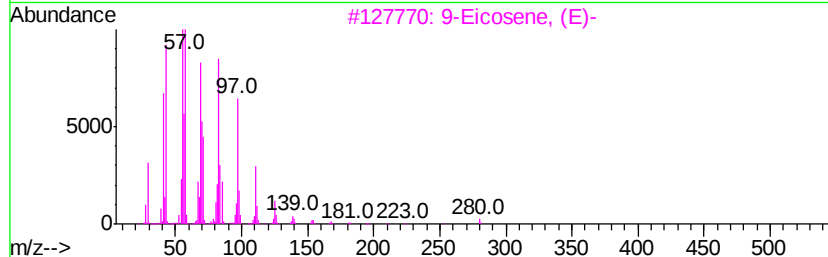
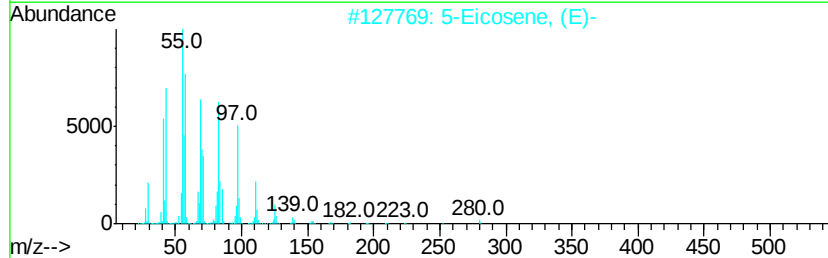
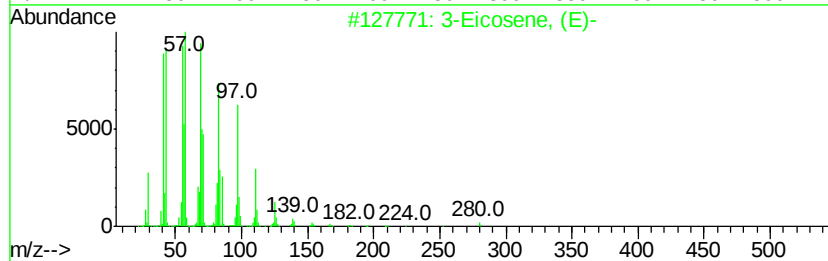
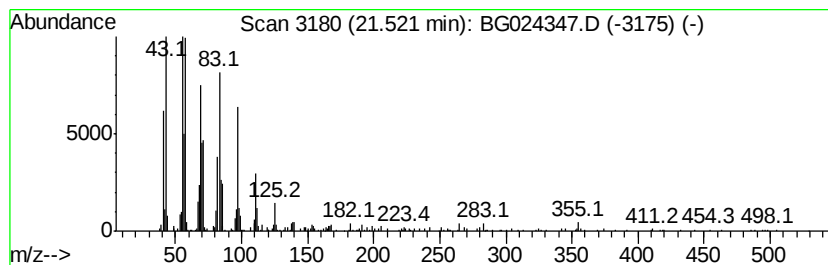
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic21.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	3.25 ng/ul	552416	Chrysene-d12	21.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-		280	C20H40	074685-33-9	99
2	5-Eicosene, (E)-		280	C20H40	074685-30-6	95
3	9-Eicosene, (E)-		280	C20H40	074685-29-3	95
4	Trichloroacetic acid, tridecyl e...		344	C15H27Cl3O2	074339-51-8	94
5	Trichloroacetic acid, tetradecyl...		358	C16H29Cl3O2	074339-52-9	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101416\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDPC2

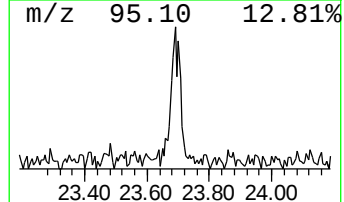
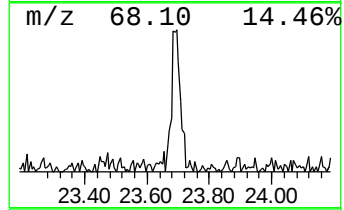
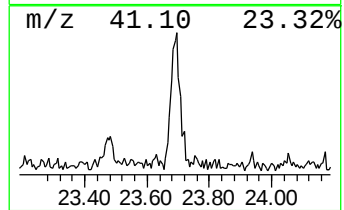
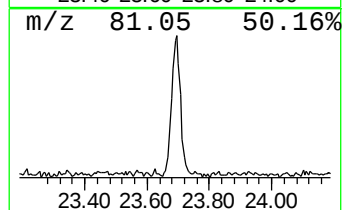
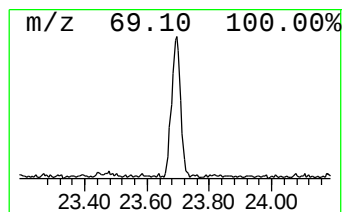
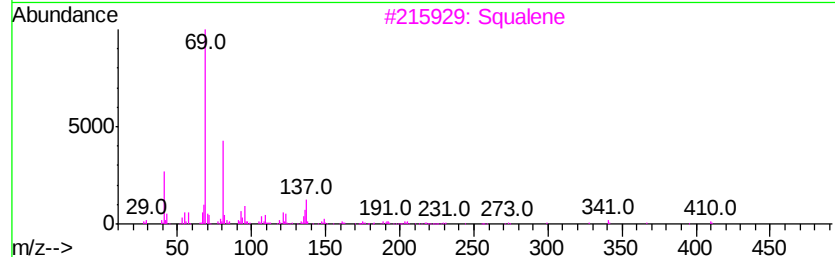
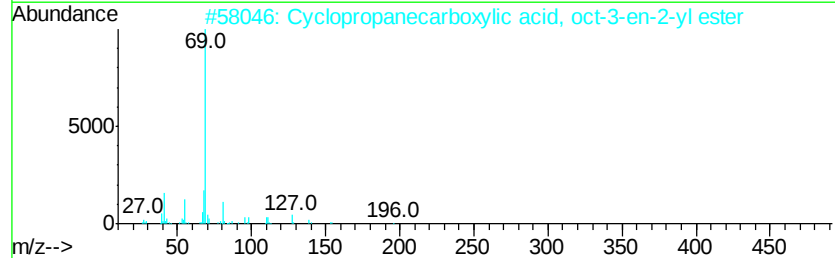
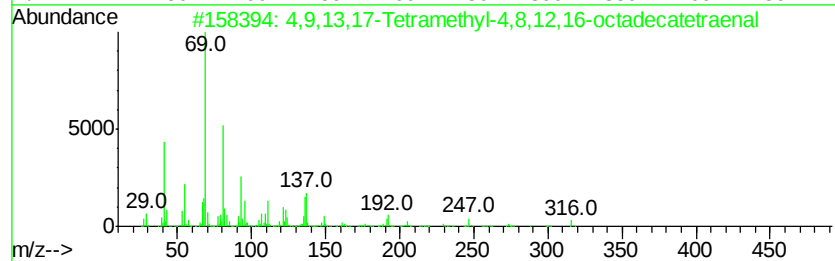
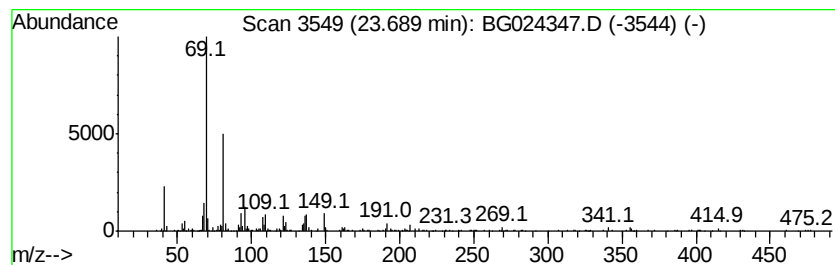
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 4,9,13,17-Tetramethyl-4,8,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	2.69 ng/ul	473247	Perylene-d12	25.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	59		
2	Cyclopropanecarboxylic acid, oct...	196	C12H20O2	1000299-37-7	59		
3	Squalene	410	C30H50	000111-02-4	59		
4	trans-Farnesol	222	C15H26O	000106-28-5	53		
5	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	53		



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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
(DEL) Alkane: Cyc...	17.98	4.3	ng/ul	611631	4	17.64	2872100	20.0
n-Hexadecanoic acid	18.48	7.3	ng/ul	1051720	4	17.64	2872100	20.0
Octadecanoic acid	19.74	2.7	ng/ul	383923	4	17.64	2872100	20.0
(DEL) Alkane: Cyc...	21.52	3.3	ng/ul	552416	5	21.94	3398790	20.0
4,9,13,17-Tetrame...	23.69	2.7	ng/ul	473247	6	25.38	3517250	20.0