

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
 Data File : BG023691.D
 Acq On : 13 Aug 2016 16:33
 Operator : UM/SJ
 Sample : H4388-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS003-2430-01

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_G\METHODS\SOM02.2-EPA-BG080416.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	3.481	105	109	115	rBV3	26077	37784	0.95%	0.086%
2	3.580	125	126	129	rBV3	6411	7012	0.18%	0.016%
3	4.045	202	205	208	rBV5	4431	7291	0.18%	0.017%
4	4.238	235	238	245	rVB9	5402	8768	0.22%	0.020%
5	6.711	657	659	662	rBV4	4573	6373	0.16%	0.015%
6	6.970	698	703	706	rBV5	4446	8377	0.21%	0.019%
7	7.264	746	753	768	rBV2	501046	946006	23.88%	2.165%
8	7.428	773	781	788	rBV	403911	687790	17.36%	1.574%
9	7.640	808	817	827	rBV	508907	888930	22.44%	2.034%
10	8.110	891	897	908	rVB	373300	651261	16.44%	1.490%
11	8.826	1012	1019	1026	rBV	611089	1075819	27.16%	2.462%
12	9.290	1091	1098	1105	rBV	507571	955936	24.13%	2.187%
13	9.408	1115	1118	1120	rBV3	7414	9496	0.24%	0.022%
14	9.425	1120	1121	1126	rVB5	5653	6848	0.17%	0.016%
15	9.672	1158	1163	1167	rVV6	4892	10120	0.26%	0.023%
16	10.019	1214	1222	1230	rBV	499312	891722	22.51%	2.040%
17	10.201	1250	1253	1257	rVB2	4547	6435	0.16%	0.015%
18	10.571	1308	1316	1326	rBV	658296	1281069	32.34%	2.931%
19	10.947	1369	1380	1392	rBV	581868	1057239	26.69%	2.419%
20	11.088	1394	1404	1417	rBV	631419	1237078	31.23%	2.831%
21	11.434	1459	1463	1466	rVB3	4440	6775	0.17%	0.016%
22	11.758	1513	1518	1521	rBV5	6062	10688	0.27%	0.024%
23	12.063	1565	1570	1573	rBV6	4150	7009	0.18%	0.016%
24	12.533	1645	1650	1656	rVB3	15249	29113	0.73%	0.067%
25	12.921	1710	1716	1718	rVV6	10680	21397	0.54%	0.049%
26	13.126	1748	1751	1754	rBV4	5236	8157	0.21%	0.019%
27	13.367	1789	1792	1796	rVV4	8073	10934	0.28%	0.025%
28	13.649	1838	1840	1841	rBV2	10431	10214	0.26%	0.023%
29	14.178	1924	1930	1934	rBV	1495502	2179501	55.02%	4.987%
30	14.225	1934	1938	1944	rVB	709228	979145	24.72%	2.241%
31	14.348	1956	1959	1964	rVB5	5602	9359	0.24%	0.021%
32	14.477	1973	1981	1988	rBV	1566552	2509030	63.34%	5.741%
33	14.648	2002	2010	2015	rBV2	35876	53383	1.35%	0.122%
34	14.724	2019	2023	2025	rBV5	5638	8539	0.22%	0.020%

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35	14.783	2026	2033	2042	rVB2	1014952	1674459	42.27%	3.832%
36	14.853	2042	2045	2049	rBV5	5186	8734	0.22%	0.020%
37	15.000	2062	2070	2085	rBV	435957	1038361	26.21%	2.376%
38	15.153	2092	2096	2100	rVB7	9174	14668	0.37%	0.034%
39	15.206	2102	2105	2110	rVB5	10679	20977	0.53%	0.048%
40	15.270	2112	2116	2119	rBV5	10916	15244	0.38%	0.035%
41	15.341	2122	2128	2131	rBV6	9580	13521	0.34%	0.031%
42	15.564	2161	2166	2168	rVV2	9735	14025	0.35%	0.032%
43	15.605	2168	2173	2178	rVB	96421	119073	3.01%	0.272%
44	15.670	2178	2184	2186	rVB5	10075	14065	0.36%	0.032%
45	15.740	2192	2196	2197	rVV4	4917	6265	0.16%	0.014%
46	15.782	2197	2203	2211	rVV	2136756	3303208	83.39%	7.559%
47	15.834	2211	2212	2219	rVB7	6046	6809	0.17%	0.016%
48	15.911	2219	2225	2234	rBV	673821	1066879	26.93%	2.441%
49	16.017	2236	2243	2248	rVV6	53999	110902	2.80%	0.254%
50	16.052	2248	2249	2252	rVV2	10307	6461	0.16%	0.015%
51	16.111	2255	2259	2262	rBV6	16654	24589	0.62%	0.056%
52	16.158	2264	2267	2272	rBV4	12262	19487	0.49%	0.045%
53	16.234	2276	2280	2285	rVB8	16267	25392	0.64%	0.058%
54	16.357	2299	2301	2303	rBV2	6782	6567	0.17%	0.015%
55	16.475	2316	2321	2330	rBV	109472	206143	5.20%	0.472%
56	16.539	2330	2332	2335	rBV4	5785	7880	0.20%	0.018%
57	16.616	2343	2345	2347	rVB3	9088	6034	0.15%	0.014%
58	16.651	2347	2351	2353	rBV5	8332	11862	0.30%	0.027%
59	16.745	2364	2367	2372	rVB5	14381	22872	0.58%	0.052%
60	16.815	2375	2379	2380	rBV4	16112	17566	0.44%	0.040%
61	16.874	2387	2389	2393	rVB5	7629	9221	0.23%	0.021%
62	16.927	2395	2398	2405	rVB8	14657	29891	0.75%	0.068%
63	16.986	2405	2408	2411	rBV5	12891	18346	0.46%	0.042%
64	17.056	2416	2420	2423	rBV5	8567	15552	0.39%	0.036%
65	17.268	2448	2456	2462	rBV	59305	87382	2.21%	0.200%
66	17.327	2462	2466	2470	rVV6	21236	39208	0.99%	0.090%
67	17.426	2477	2483	2487	rVB6	12707	20622	0.52%	0.047%
68	17.550	2496	2504	2511	rBV	1417275	2148593	54.24%	4.916%
69	17.650	2515	2521	2528	rVV	2365940	3575490	90.26%	8.182%
70	17.879	2555	2560	2561	rBV4	7482	10958	0.28%	0.025%
71	17.914	2563	2566	2567	rBV3	14999	16060	0.41%	0.037%

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72	18.020	2581	2584	2587	rVV4	12835	16084	0.41%	0.037%
73	18.049	2587	2589	2593	rVB5	5013	7213	0.18%	0.017%
74	18.196	2612	2614	2618	rVB5	8493	8652	0.22%	0.020%
75	18.313	2626	2634	2636	rBV7	17802	32265	0.81%	0.074%
76	18.419	2646	2652	2662	rBV	311009	484064	12.22%	1.108%
77	18.501	2663	2666	2669	rVB4	16764	21675	0.55%	0.050%
78	18.637	2685	2689	2694	rVB7	31175	46678	1.18%	0.107%
79	18.748	2704	2708	2712	rBV6	32196	41332	1.04%	0.095%
80	18.948	2739	2742	2743	rBV3	7411	7070	0.18%	0.016%
81	18.977	2743	2747	2748	rVV4	9020	10491	0.26%	0.024%
82	19.095	2763	2767	2769	rBV5	10207	12896	0.33%	0.030%
83	19.153	2773	2777	2783	rBV9	12178	29091	0.73%	0.067%
84	19.576	2842	2849	2856	rBV2	143394	249542	6.30%	0.571%
85	19.688	2865	2868	2876	rBV5	53193	83510	2.11%	0.191%
86	19.800	2885	2887	2888	rBV2	12919	12157	0.31%	0.028%
87	19.829	2888	2892	2898	rVB3	105421	137755	3.48%	0.315%
88	19.947	2905	2912	2919	rBV	2652716	3961239	100.00%	9.064%
89	20.134	2942	2944	2947	rBV4	8791	7559	0.19%	0.017%
90	20.387	2985	2987	2988	rBV2	8429	6097	0.15%	0.014%
91	20.828	3060	3062	3065	rBV4	21793	25388	0.64%	0.058%
92	21.198	3123	3125	3126	rBV2	13747	6426	0.16%	0.015%
93	21.474	3168	3172	3181	rBV6	105381	244130	6.16%	0.559%
94	21.644	3199	3201	3203	rBV3	17459	13156	0.33%	0.030%
95	21.873	3233	3240	3248	rVB	1383510	2347898	59.27%	5.373%
96	25.040	3768	3779	3796	rVB3	1284422	3827159	96.62%	8.757%
97	25.269	3808	3818	3832	rVB3	720034	2348921	59.30%	5.375%
98	25.944	3928	3933	3946	rVB3	95653	302670	7.64%	0.693%
99	30.374	4685	4687	4689	rBV3	15841	11237	0.28%	0.026%
100	31.631	4899	4901	4903	rBV3	19845	21487	0.54%	0.049%

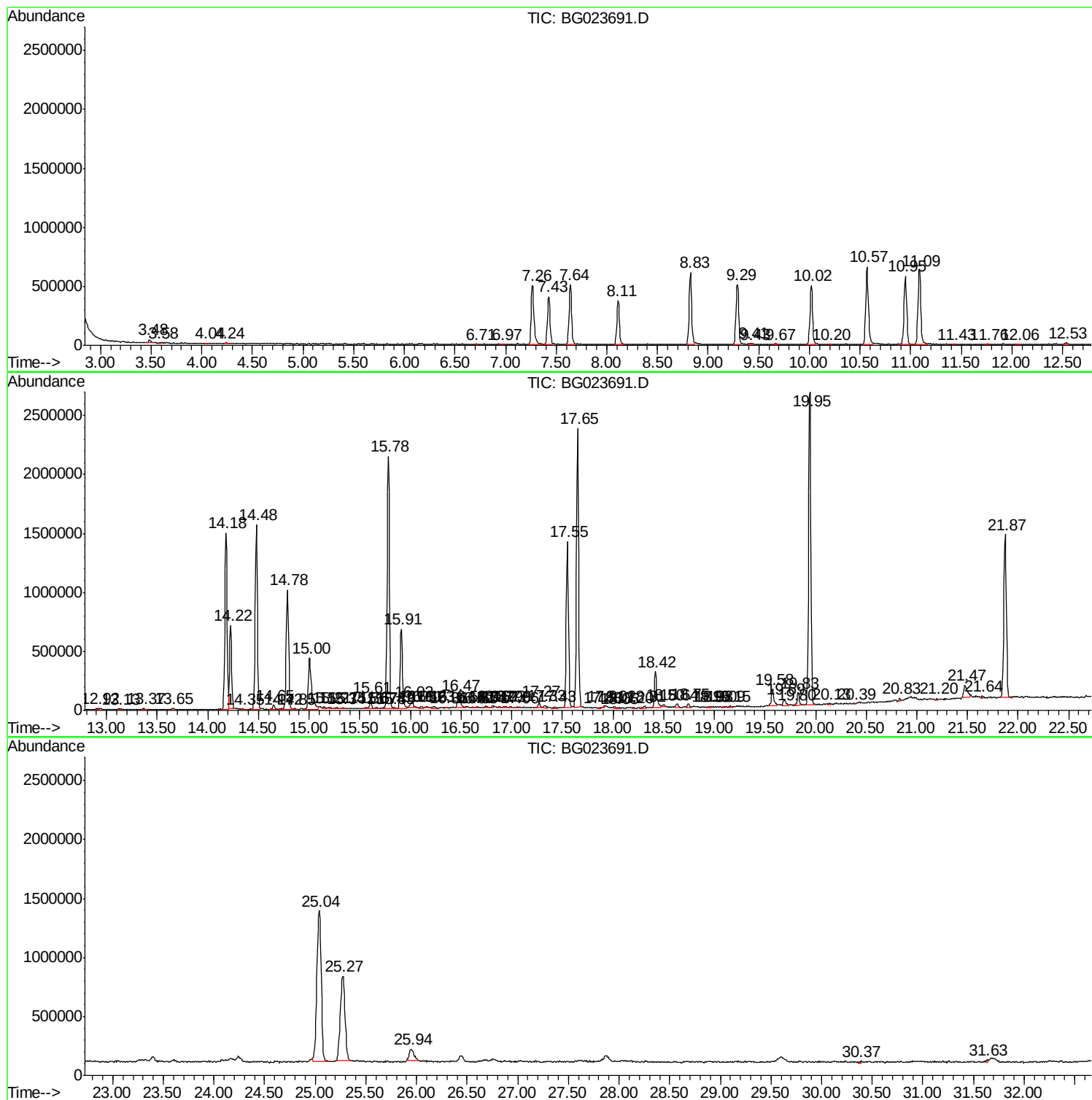
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



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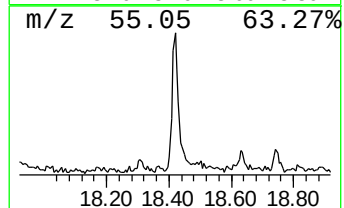
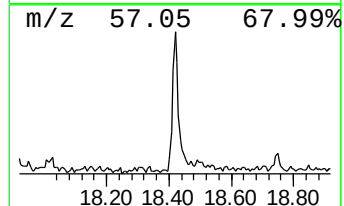
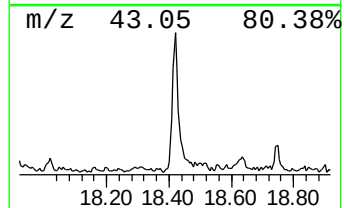
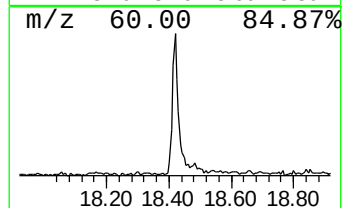
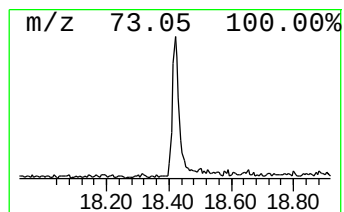
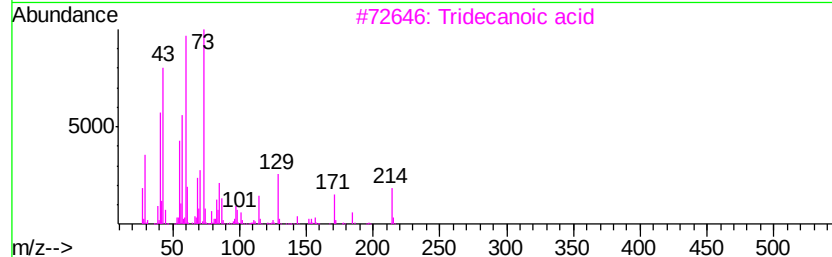
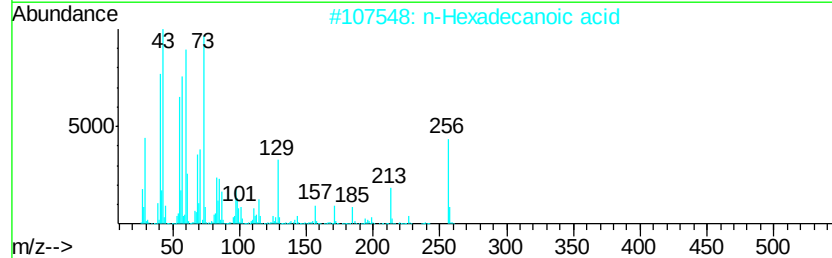
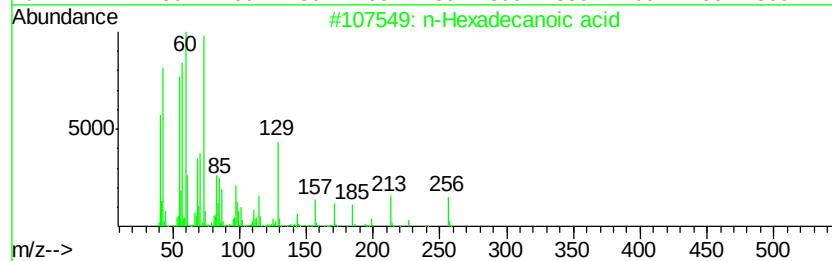
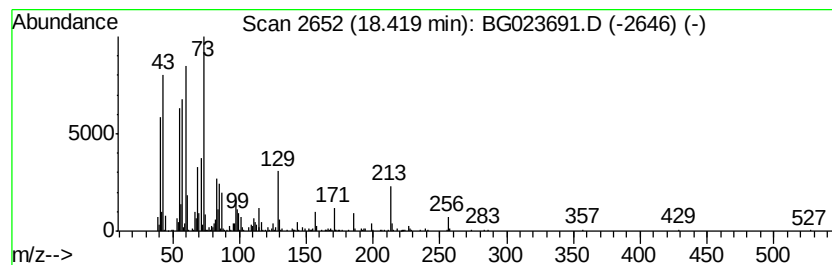
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.42	4.51 ng/ul	484064	Phenanthrene-d10		17.55	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3		Tridecanoic acid	214	C13H26O2	000638-53-9	91
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5		Tridecanoic acid	214	C13H26O2	000638-53-9	81



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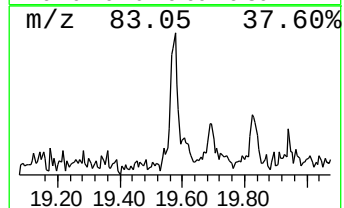
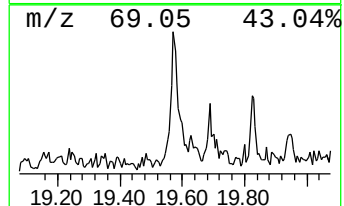
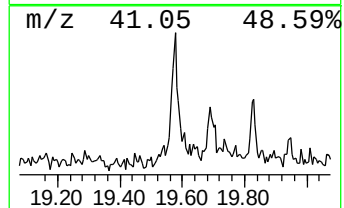
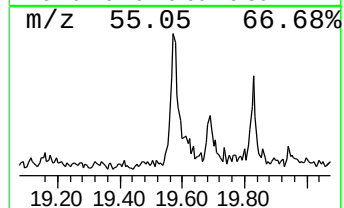
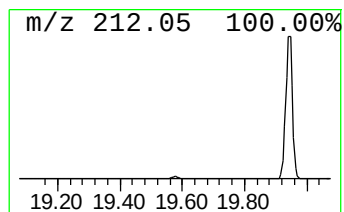
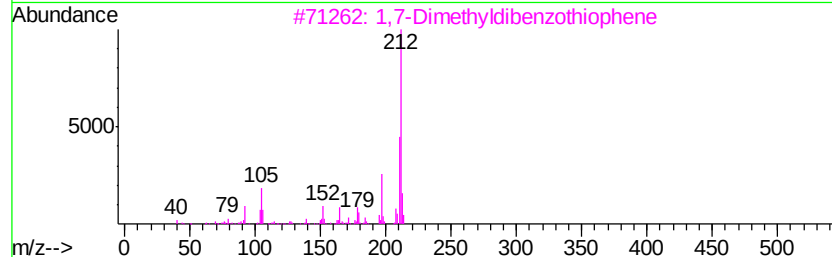
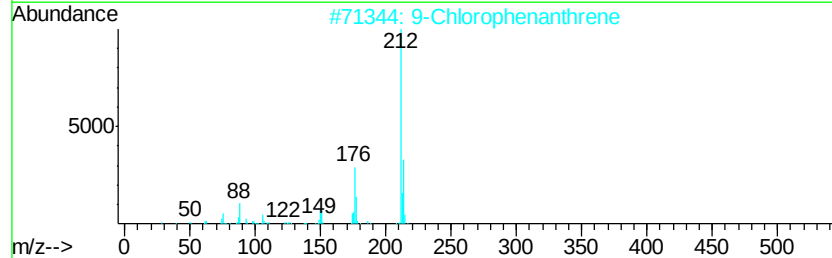
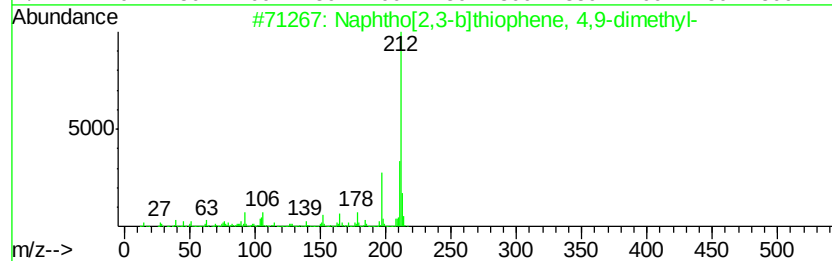
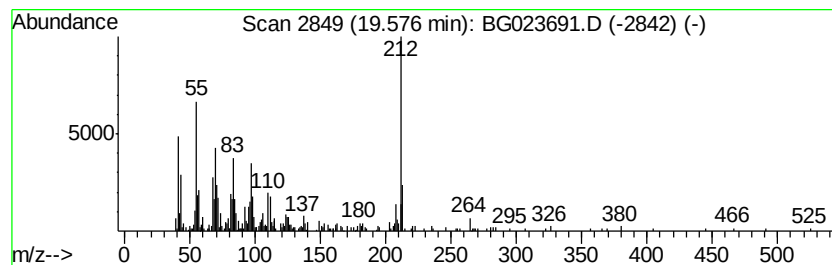
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	2.32 ng/ul	249542	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	50
2		9-Chlorophenanthrene	212	C14H9Cl	000947-72-8	47
3		1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	47
4		Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	47
5		[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	46



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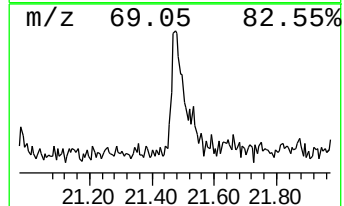
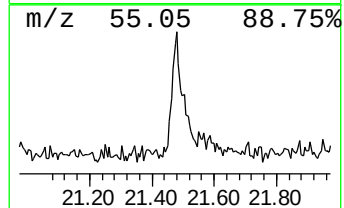
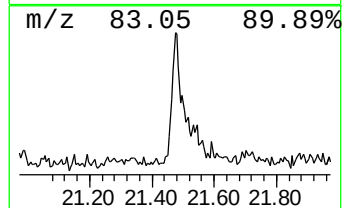
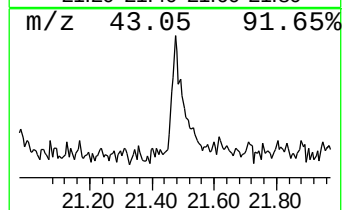
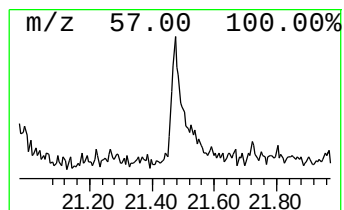
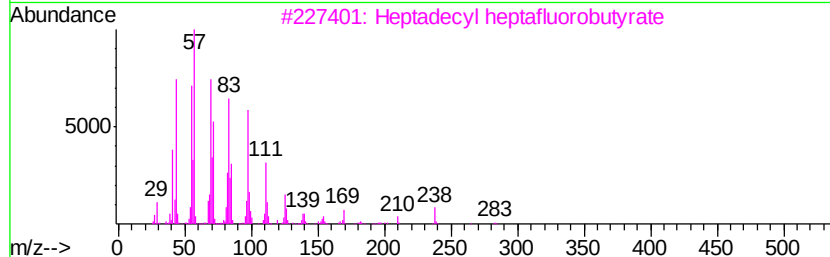
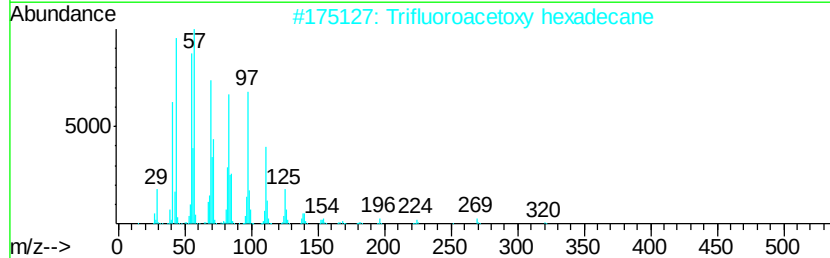
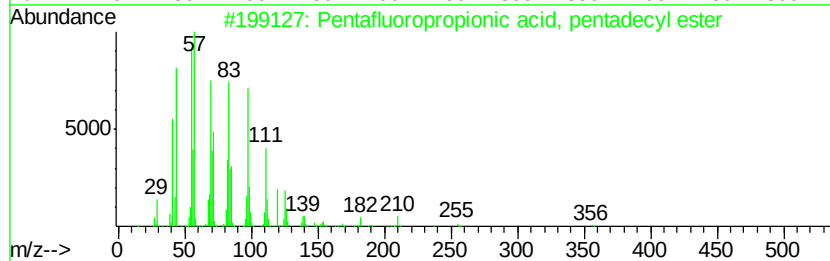
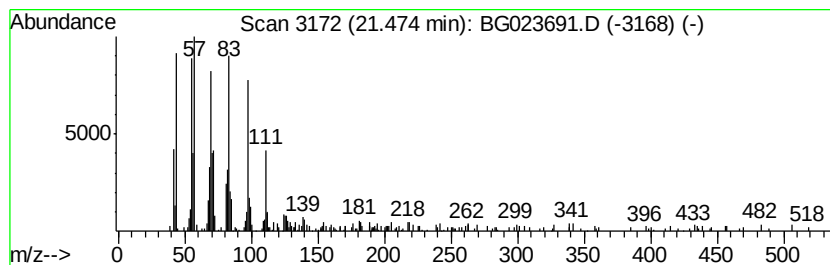
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Peak Number 3 Pentafluoropropionic acid, ... Concentration Rank 4

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21.47	2.08 ng/ul	244130	Chrysene-d12	21.87
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentafluoropropionic acid, penta...	374 C18H31F5O2	959092-08-1 83
2		Trifluoroacetoxy hexadecane	338 C18H33F3O2	006222-03-3 80
3		Heptadecyl heptafluorobutyrate	452 C21H35F7O2	959085-66-6 64
4		Octacosanol	410 C28H58O	000557-61-9 58
5		Octadecyl trifluoroacetate	366 C20H37F3O2	079392-43-1 58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023691.D
Acq On : 13 Aug 2016 16:33
Operator : UM/SJ
Sample : H4388-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS003-2430-01

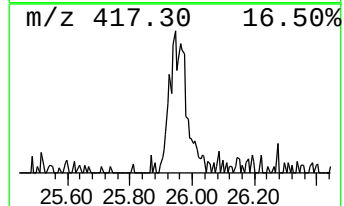
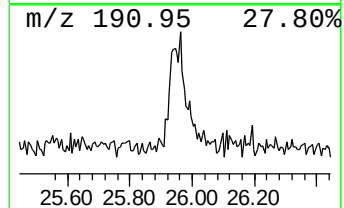
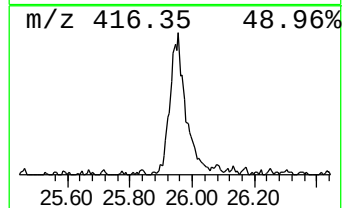
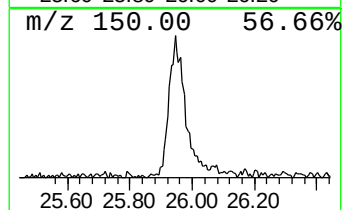
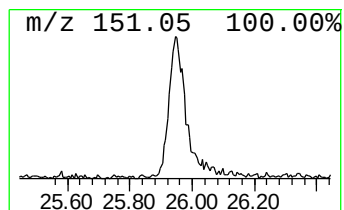
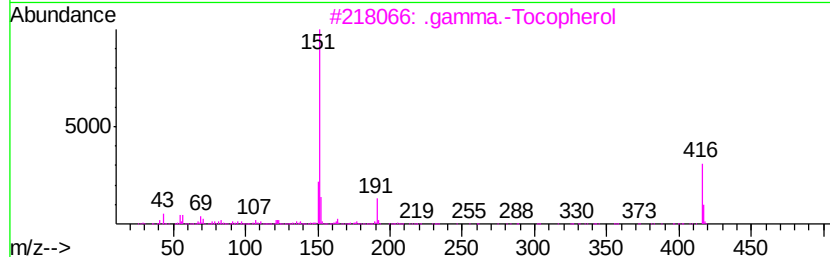
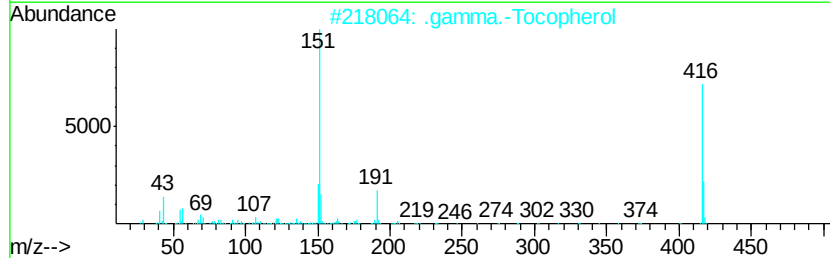
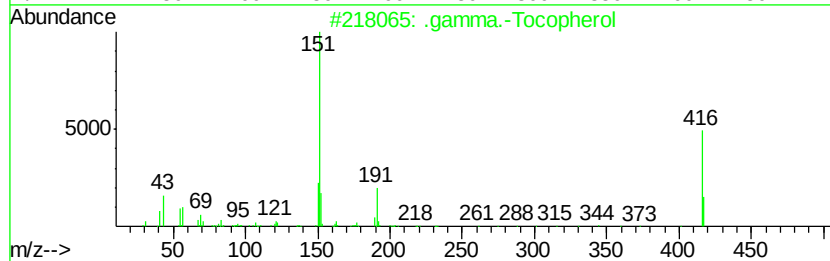
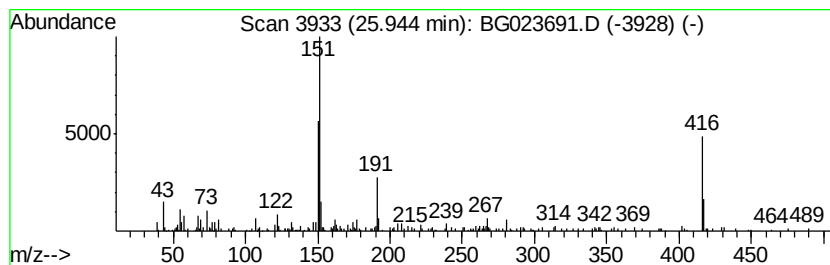
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 .gamma.-Tocopherol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.94	2.58 ng/ul	302670	Perylene-d12	25.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Tocopherol	416	C28H48O2	007616-22-0	81
2		.gamma.-Tocopherol	416	C28H48O2	007616-22-0	74
3		.gamma.-Tocopherol	416	C28H48O2	007616-22-0	64
4		3,4-Dihydro-3,5,8-trimethyl-3-(4...	458	C30H50O3	1000105-71-9	59
5		4-Ethylbenzoic acid, octadecyl e...	402	C27H46O2	1000292-35-1	49



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
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Acq On : 13 Aug 2016 16:33
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Sample : H4388-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS003-2430-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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	18.42	4.5	ng/ul	484064	4	17.55	2148590	20.0
Naphtho[2,3-b]thi...	19.58	2.3	ng/ul	249542	4	17.55	2148590	20.0
Pentafluoropropio...	21.47	2.1	ng/ul	244130	5	21.87	2347900	20.0
.gamma.-Tocopherol	25.94	2.6	ng/ul	302670	6	25.27	2348920	20.0