

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
 Data File : BG026817.D
 Acq On : 1 May 2017 21:51
 Operator : SJ/MA
 Sample : I2850-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHSY4

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	3.429	54	58	63	rVB2	30978	38514	1.18%	0.085%
2	4.187	183	187	191	rBV3	14538	20323	0.62%	0.045%
3	5.109	341	344	354	rVB3	17399	27430	0.84%	0.060%
4	7.189	691	698	715	rVV	461521	922121	28.27%	2.029%
5	7.330	715	722	736	rVB	492272	795546	24.39%	1.751%
6	7.548	752	759	772	rBV	541193	962493	29.51%	2.118%
7	8.012	831	838	850	rVB	500448	882226	27.05%	1.942%
8	8.723	952	959	974	rBV	510346	1009573	30.95%	2.222%
9	9.164	1028	1034	1046	rBV	547137	983823	30.16%	2.165%
10	9.322	1060	1061	1074	rVB3	10672	25067	0.77%	0.055%
11	9.592	1103	1107	1111	rVB4	15501	21758	0.67%	0.048%
12	9.892	1151	1158	1171	rBV	452066	838648	25.71%	1.846%
13	10.439	1244	1251	1273	rVB	689621	1332530	40.86%	2.933%
14	10.809	1306	1314	1329	rVB	906709	1577866	48.38%	3.473%
15	10.944	1329	1337	1352	rBV	640186	1236166	37.90%	2.721%
16	12.283	1560	1565	1573	rBV7	5384	12111	0.37%	0.027%
17	12.395	1578	1584	1591	rVB2	13739	25480	0.78%	0.056%
18	13.229	1721	1726	1732	rBV6	7836	14352	0.44%	0.032%
19	13.441	1756	1762	1765	rBV5	7997	11570	0.35%	0.025%
20	13.564	1779	1783	1794	rVB8	11332	29015	0.89%	0.064%
21	13.735	1804	1812	1818	rBV4	20199	34180	1.05%	0.075%
22	13.799	1818	1823	1834	rVB4	8436	21257	0.65%	0.047%
23	13.899	1834	1840	1843	rBV6	9715	14962	0.46%	0.033%
24	13.946	1843	1848	1855	rVV5	53575	84890	2.60%	0.187%
25	14.023	1855	1861	1865	rVV	1374143	1973993	60.52%	4.344%
26	14.070	1865	1869	1878	rVV	284467	413298	12.67%	0.910%
27	14.316	1898	1911	1924	rBV	1758334	2714301	83.22%	5.974%
28	14.434	1924	1931	1937	rVV4	24917	39618	1.21%	0.087%
29	14.510	1937	1944	1953	rVV	68126	107201	3.29%	0.236%
30	14.622	1953	1963	1972	rVV	1351653	2157110	66.14%	4.747%
31	14.704	1972	1977	1988	rVB3	67977	119701	3.67%	0.263%
32	14.845	1995	2001	2017	rBV	203756	553338	16.97%	1.218%
33	15.127	2044	2049	2056	rBV8	12525	24027	0.74%	0.053%
34	15.421	2091	2099	2101	rVV4	12675	27069	0.83%	0.060%

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35	15.456	2101	2105	2111	rVB	64147	79090	2.42%	0.174%
36	15.515	2111	2115	2120	rBV7	7461	13701	0.42%	0.030%
37	15.609	2122	2131	2141	rVB	2134422	3155105	96.74%	6.944%
38	15.732	2143	2152	2162	rBV	440548	704282	21.59%	1.550%
39	15.850	2166	2172	2178	rBV4	40617	81218	2.49%	0.179%
40	15.950	2187	2189	2196	rBV8	10900	13556	0.42%	0.030%
41	16.003	2196	2198	2201	rBV3	9799	10965	0.34%	0.024%
42	16.038	2201	2204	2207	rVV6	19060	24980	0.77%	0.055%
43	16.079	2207	2211	2220	rVB	256777	344022	10.55%	0.757%
44	16.314	2246	2251	2259	rBV	72857	142857	4.38%	0.314%
45	16.455	2270	2275	2278	rBV7	6881	13969	0.43%	0.031%
46	16.578	2290	2296	2301	rVB8	14571	29247	0.90%	0.064%
47	16.655	2303	2309	2315	rBV8	14000	26056	0.80%	0.057%
48	16.772	2324	2329	2333	rVB8	11775	20251	0.62%	0.045%
49	16.819	2333	2337	2343	rBV6	10385	14035	0.43%	0.031%
50	16.890	2345	2349	2352	rBV6	9727	17265	0.53%	0.038%
51	16.943	2352	2358	2364	rVB6	13917	29448	0.90%	0.065%
52	17.101	2381	2385	2389	rBV2	50082	57901	1.78%	0.127%
53	17.154	2389	2394	2404	rVB3	35149	64233	1.97%	0.141%
54	17.242	2404	2409	2416	rBV6	45201	85570	2.62%	0.188%
55	17.307	2416	2420	2422	rVV4	23370	30658	0.94%	0.067%
56	17.354	2422	2428	2439	rVV2	1458885	2196508	67.35%	4.834%
57	17.454	2439	2445	2454	rVB2	2054138	3083982	94.56%	6.787%
58	17.624	2471	2474	2483	rVB6	7390	12389	0.38%	0.027%
59	17.759	2490	2497	2503	rBV10	9279	21498	0.66%	0.047%
60	17.836	2505	2510	2514	rBV2	21335	32286	0.99%	0.071%
61	17.877	2514	2517	2523	rVB8	5705	13030	0.40%	0.029%
62	18.124	2550	2559	2564	rBV4	54919	118512	3.63%	0.261%
63	18.177	2564	2568	2574	rVV	206221	313131	9.60%	0.689%
64	18.235	2574	2578	2587	rVV	339997	524773	16.09%	1.155%
65	18.365	2598	2600	2615	rVB	31119	62282	1.91%	0.137%
66	18.535	2624	2629	2635	rBV8	32395	69211	2.12%	0.152%
67	18.652	2646	2649	2653	rVB6	17985	18978	0.58%	0.042%
68	18.829	2677	2679	2683	rBV5	11175	14341	0.44%	0.032%
69	18.958	2699	2701	2712	rVB5	13374	23042	0.71%	0.051%
70	19.158	2730	2735	2740	rBV8	23307	50471	1.55%	0.111%
71	19.281	2752	2756	2757	rBV4	10971	12351	0.38%	0.027%

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72	19.381	2766	2773	2775	rBV4	48319	91528	2.81%	0.201%
73	19.410	2775	2778	2783	rVB5	50299	72850	2.23%	0.160%
74	19.504	2786	2794	2807	rVB3	80815	172518	5.29%	0.380%
75	19.628	2811	2815	2822	rBV2	21450	37539	1.15%	0.083%
76	19.734	2823	2833	2840	rBV	2237611	3261548	100.00%	7.178%
77	19.951	2867	2870	2876	rBV8	14663	26716	0.82%	0.059%
78	20.110	2895	2897	2900	rBV4	15377	14220	0.44%	0.031%
79	20.174	2904	2908	2912	rVB6	23282	33179	1.02%	0.073%
80	20.256	2918	2922	2927	rVB5	27122	39253	1.20%	0.086%
81	20.321	2930	2933	2937	rBV6	12168	19696	0.60%	0.043%
82	20.574	2970	2976	2980	rBV7	28422	64073	1.96%	0.141%
83	20.615	2981	2983	2990	rVV7	17457	28047	0.86%	0.062%
84	20.691	2992	2996	3000	rVB	38752	55715	1.71%	0.123%
85	21.097	3062	3065	3069	rBV6	17343	28016	0.86%	0.062%
86	21.226	3083	3087	3096	rVB6	46372	87025	2.67%	0.192%
87	21.390	3102	3115	3127	rBV9	118524	610945	18.73%	1.345%
88	21.602	3143	3151	3165	rBV	1512307	2445848	74.99%	5.383%
89	21.737	3171	3174	3178	rVB5	48438	60977	1.87%	0.134%
90	22.372	3278	3282	3286	rVB3	38341	59981	1.84%	0.132%
91	22.577	3311	3317	3342	rVB3	59498	340427	10.44%	0.749%
92	22.853	3358	3364	3383	rBV7	89296	256772	7.87%	0.565%
93	23.006	3386	3390	3393	rVV6	25878	39622	1.21%	0.087%
94	23.047	3393	3397	3406	rVB4	61654	113038	3.47%	0.249%
95	23.829	3524	3530	3541	rVB2	108089	221322	6.79%	0.487%
96	24.551	3642	3653	3666	rVB2	1176655	3170813	97.22%	6.978%
97	24.763	3679	3689	3706	rVB2	920467	2571944	78.86%	5.660%
98	25.850	3866	3874	3885	rVB3	116333	350200	10.74%	0.771%
99	27.166	4090	4098	4113	rVB6	98265	319775	9.80%	0.704%
100	28.764	4359	4370	4382	rBV6	68207	268004	8.22%	0.590%

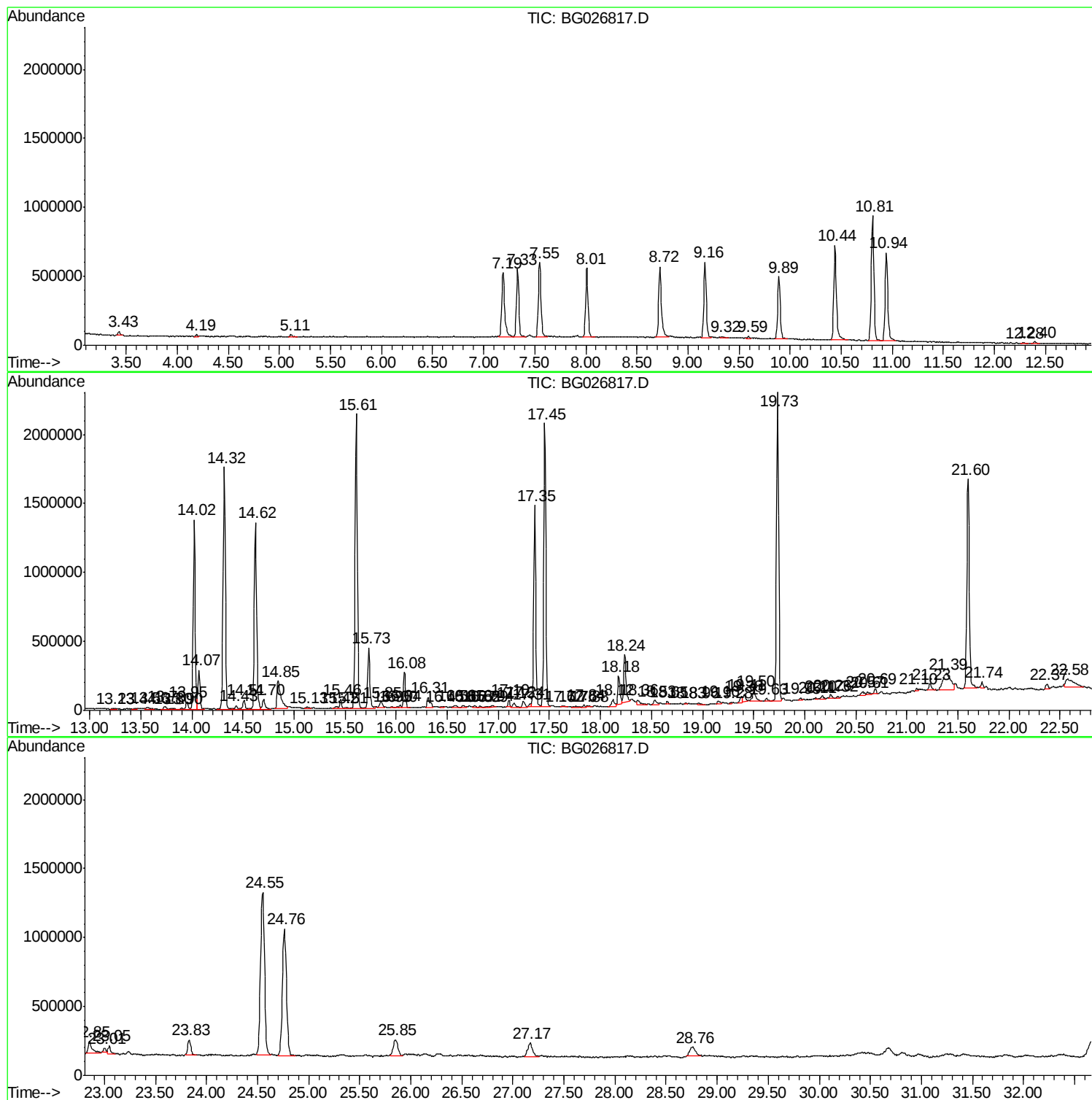
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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



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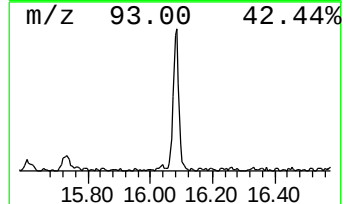
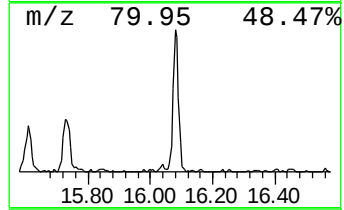
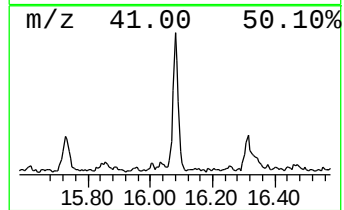
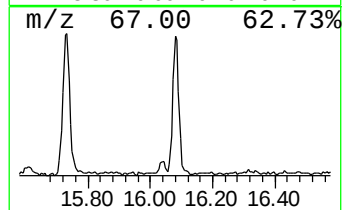
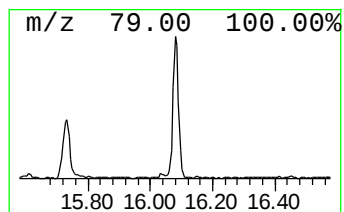
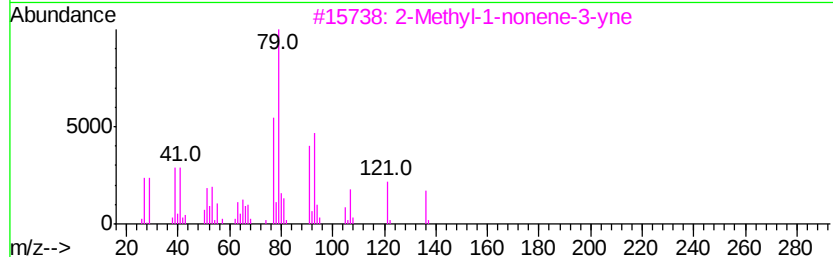
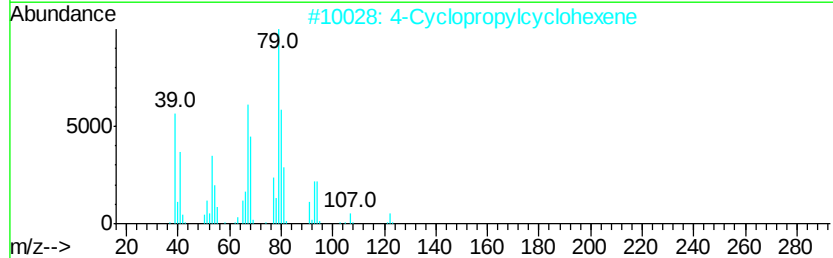
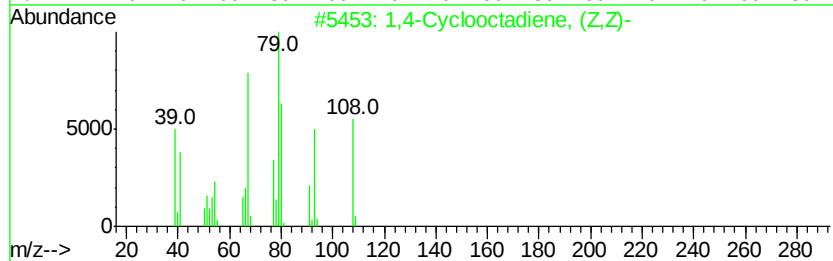
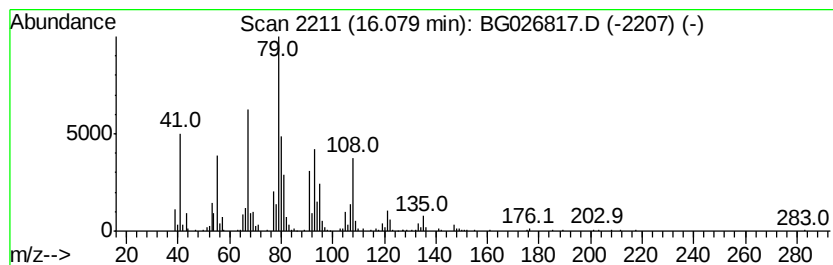
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,4-Cyclooctadiene, (Z,Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	3.13 ng/ul	344022	Phenanthrene-d10	17.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Cyclooctadiene, (Z,Z)-	108	C8H12	016327-22-3	64
2		4-Cyclopropylcyclohexene	122	C9H14	080105-51-7	58
3		2-Methyl-1-nonene-3-yne	136	C10H16	070058-00-3	53
4		cis,cis,cis-7,10,13-Hexadecatrienal	234	C16H26O	056797-43-4	50
5		9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	50



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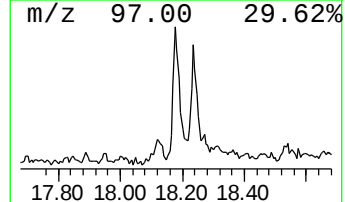
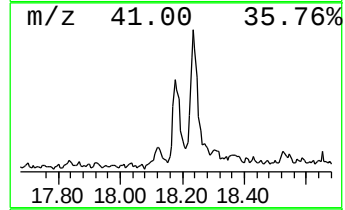
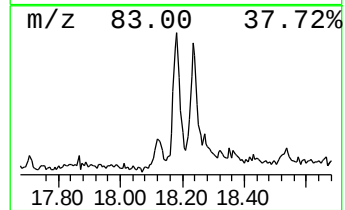
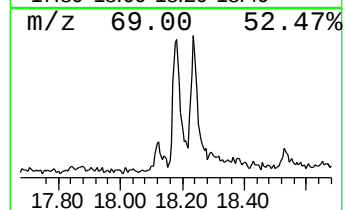
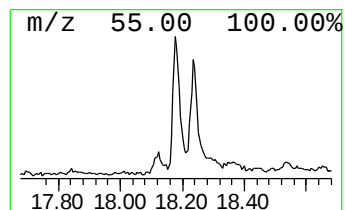
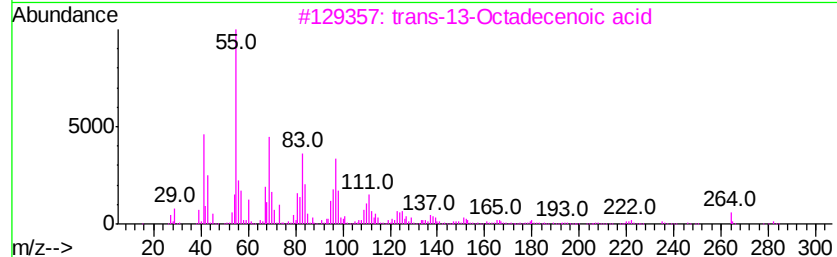
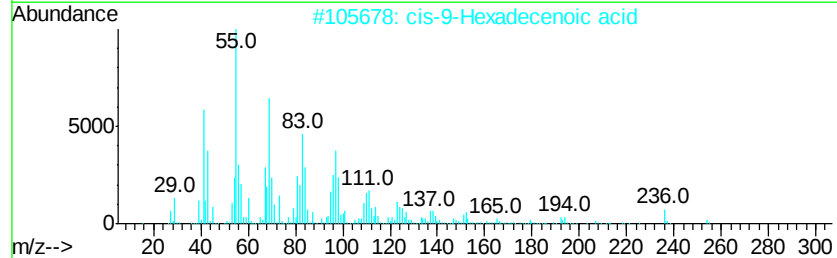
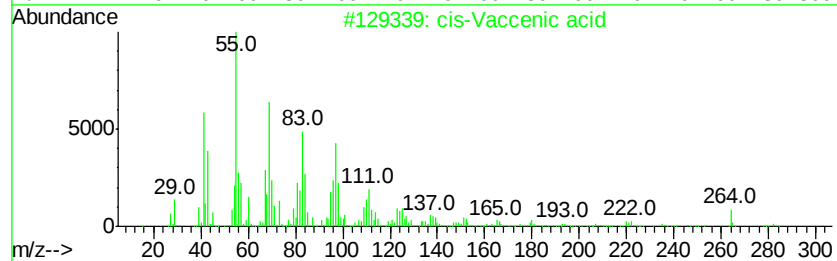
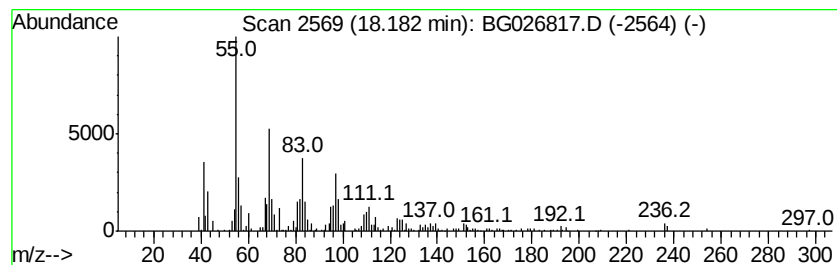
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 cis-Vaccenic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.85 ng/ul	313131	Phenanthrene-d10	17.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-Vaccenic acid	282	C18H34O2	000506-17-2	91
2		cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	91
3		trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	91
4		cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	91
5		9-Hexadecenoic acid	254	C16H30O2	002091-29-4	90



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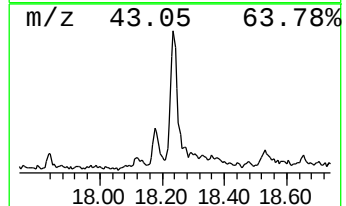
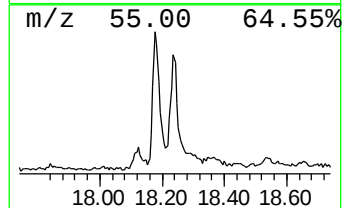
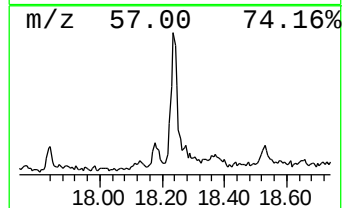
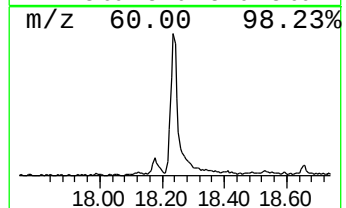
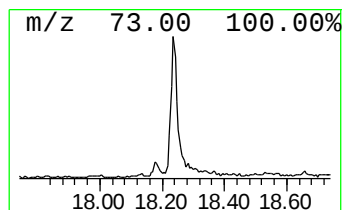
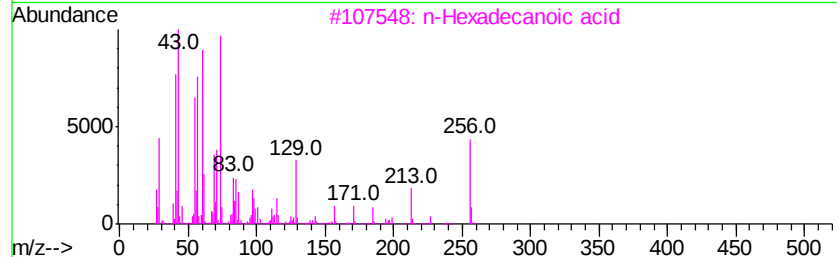
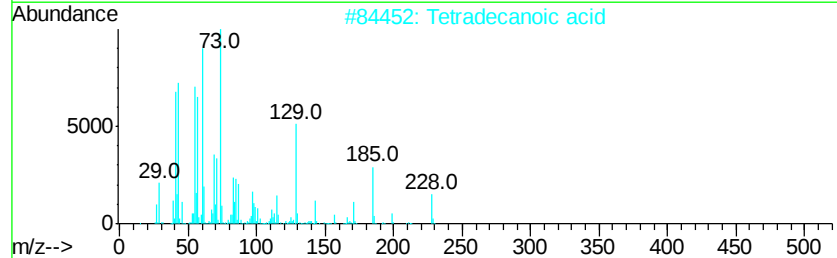
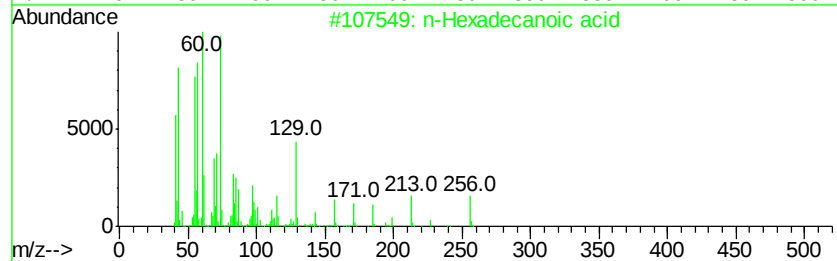
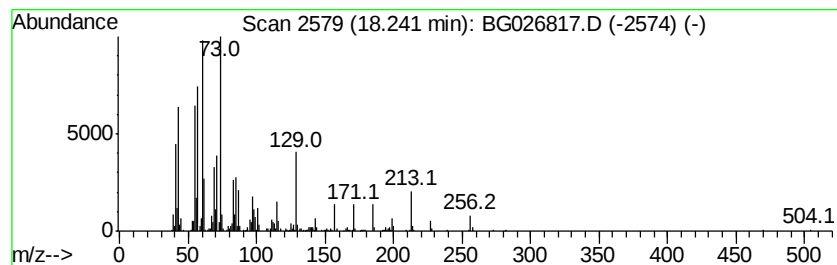
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.78 ng/ul	524773	Phenanthrene-d10	17.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	97
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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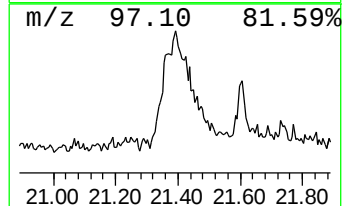
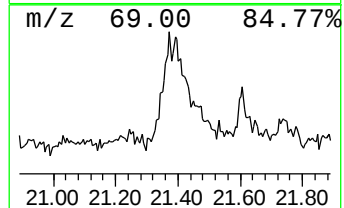
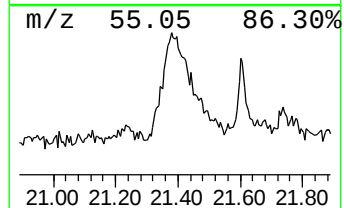
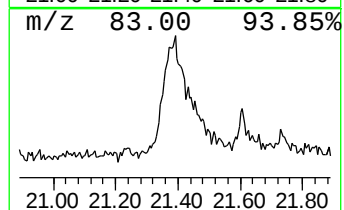
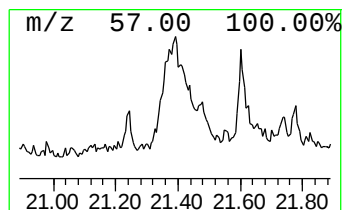
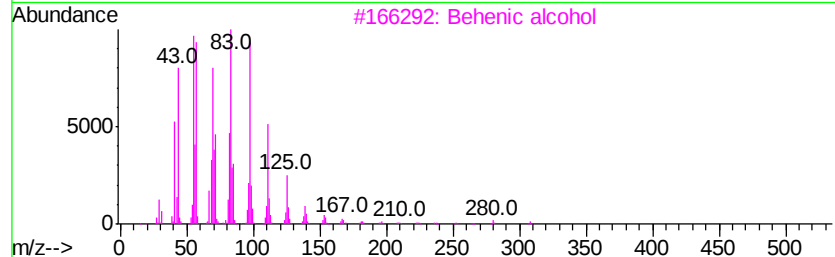
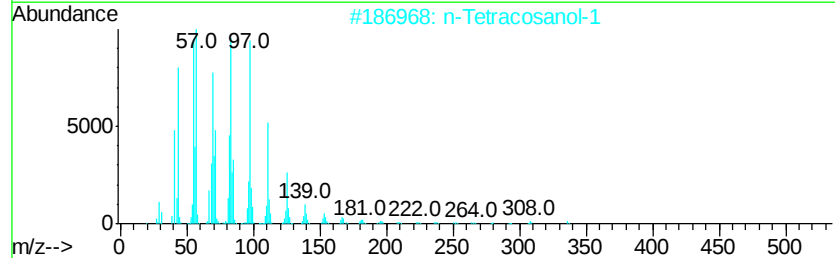
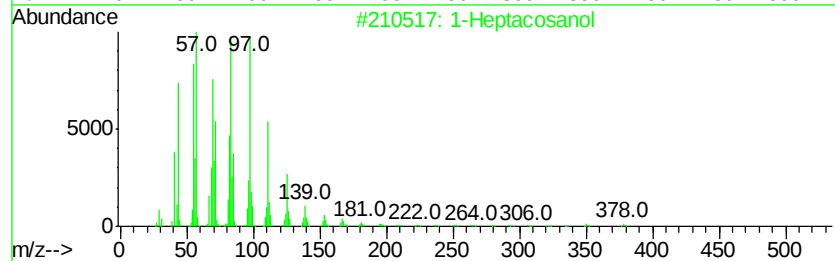
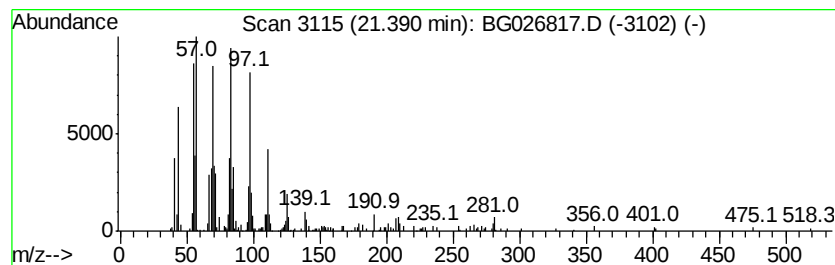
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1-Heptacosanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	5.00 ng/ul	610945	Chrysene-d12	21.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol		396	C27H56O	002004-39-9	91
2	n-Tetracosanol-1		354	C24H50O	000506-51-4	91
3	Behenic alcohol		326	C22H46O	000661-19-8	91
4	13-Tetradecen-1-ol acetate		254	C16H30O2	056221-91-1	89
5	1-Nonadecene		266	C19H38	018435-45-5	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHSY4

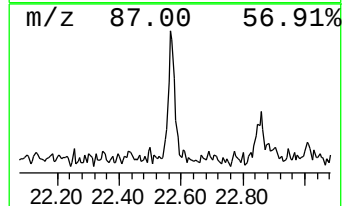
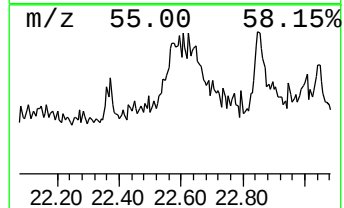
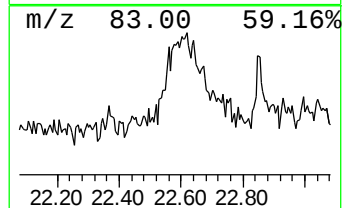
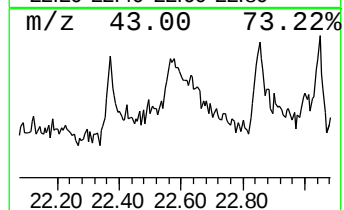
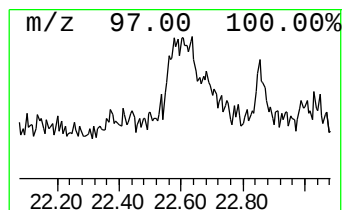
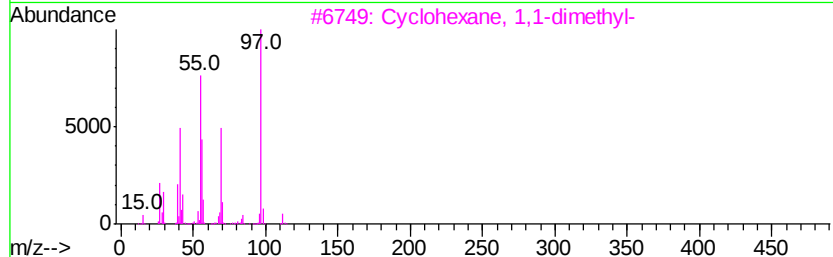
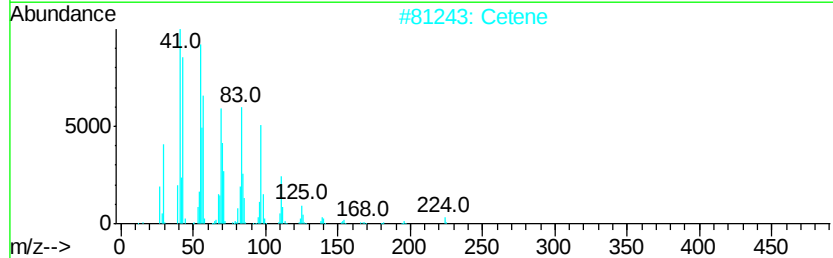
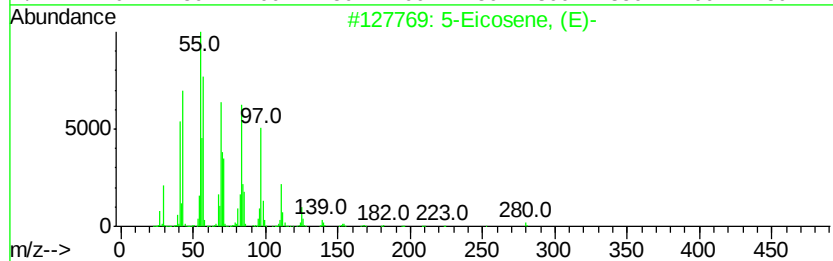
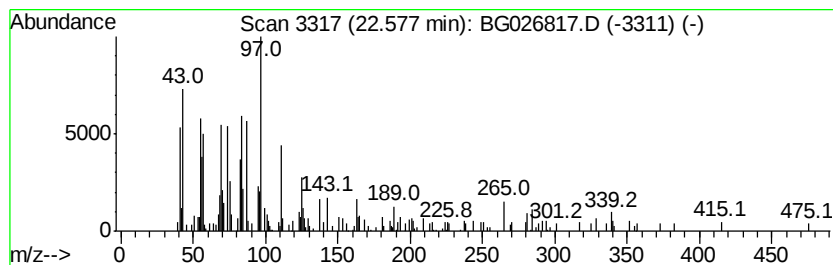
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic22.58 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	2.78 ng/ul	340427	Chrysene-d12	21.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Eicosene, (E)-	280	C20H40	074685-30-6	49
2		Cetene	224	C16H32	000629-73-2	46
3		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	25
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	25
5		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
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Instrument :
BNA_G
ClientSampleId :
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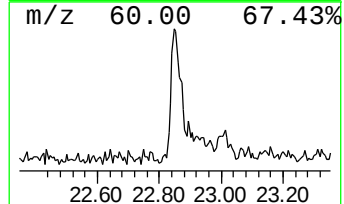
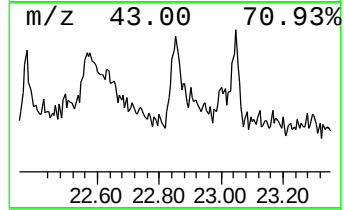
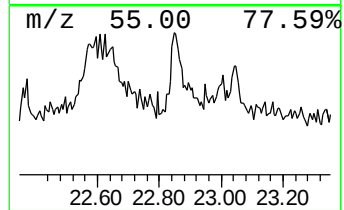
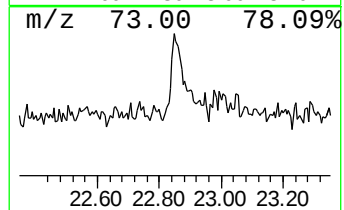
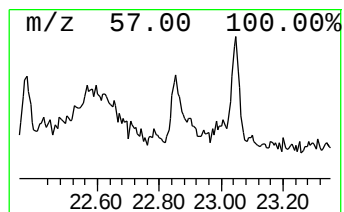
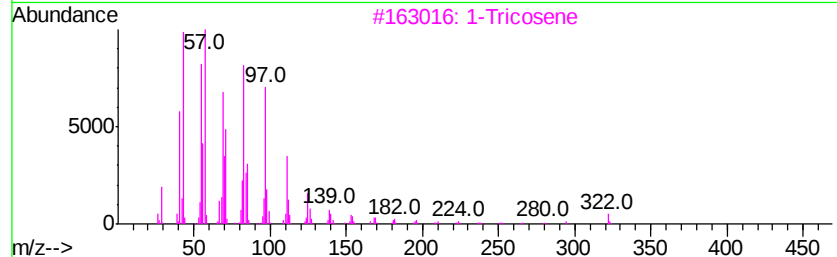
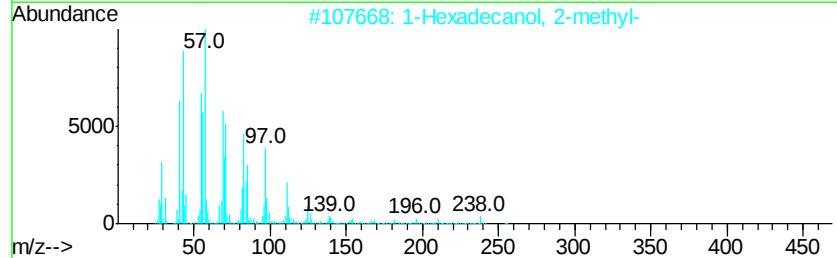
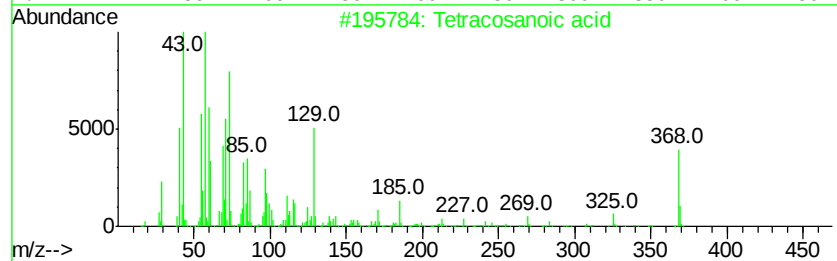
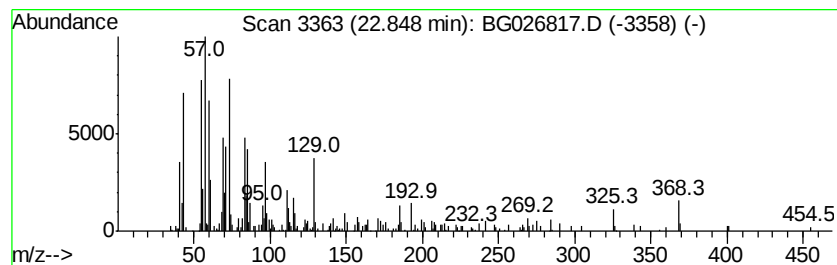
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Tetracosanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	2.10 ng/ul	256772	Chrysene-d12	21.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosanoic acid	368	C24H48O2	000557-59-5	83
2		1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	46
3		1-Tricosene	322	C23H46	018835-32-0	38
4		1-Tridecene	182	C13H26	002437-56-1	38
5		1-oleyl alcohol, trifluoroacetate	364	C20H35F3O2	1000352-68-4	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
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Instrument :
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ClientSampleId :
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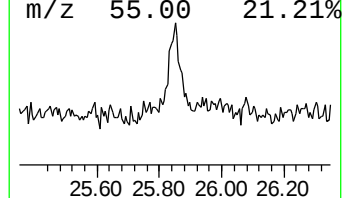
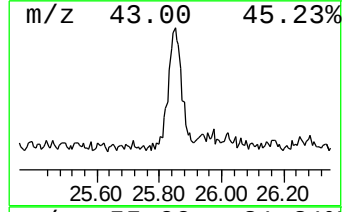
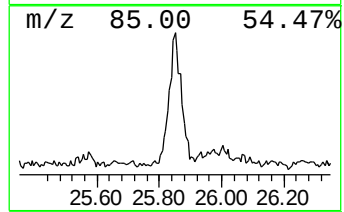
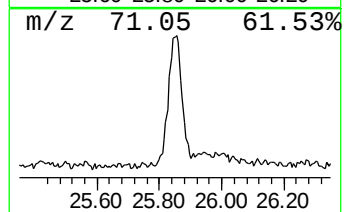
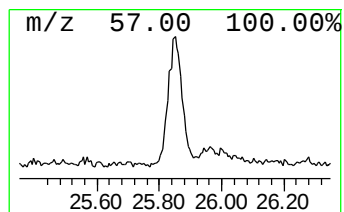
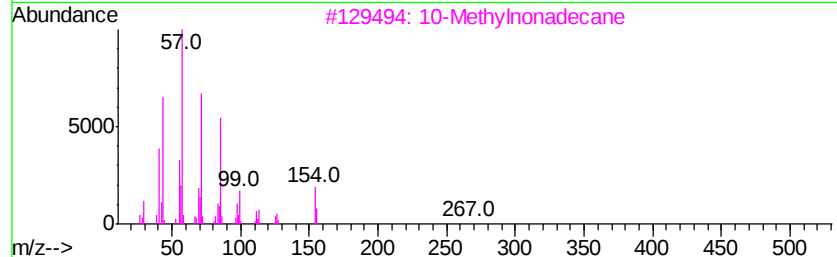
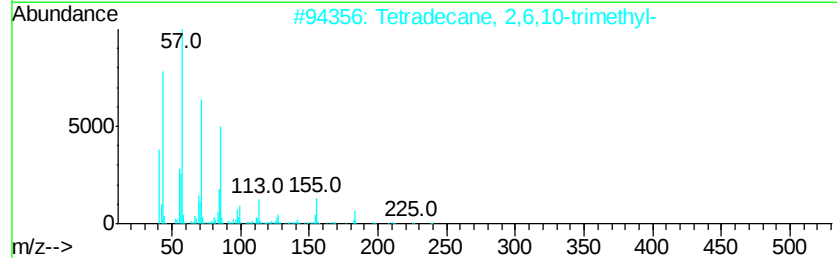
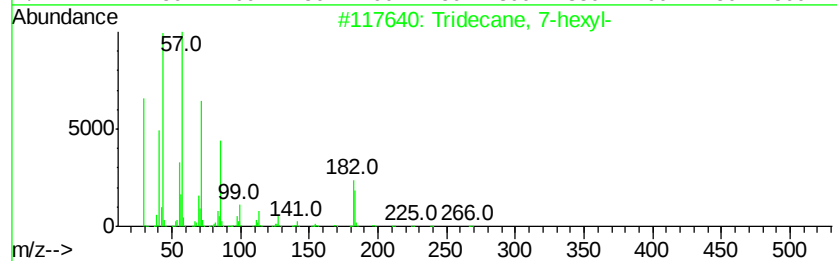
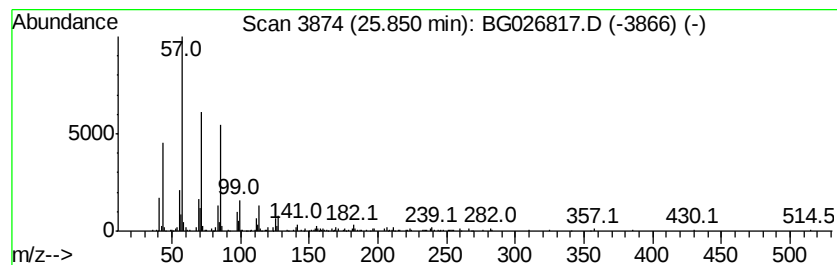
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.85	2.72 ng/ul	350200	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	90
2		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
3		10-Methylnonadecane	282	C20H42	056862-62-5	86
4		Octadecane	254	C18H38	000593-45-3	86
5		Heneicosane	296	C21H44	000629-94-7	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
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ClientSampleId :
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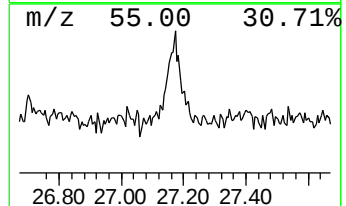
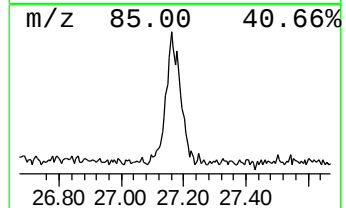
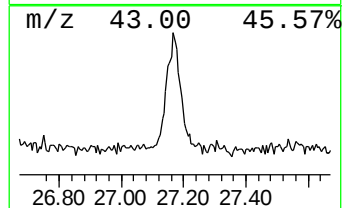
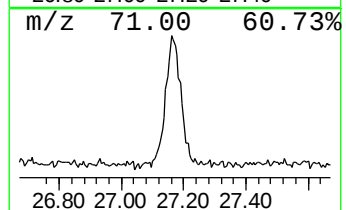
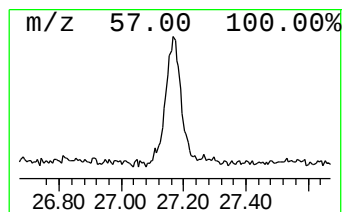
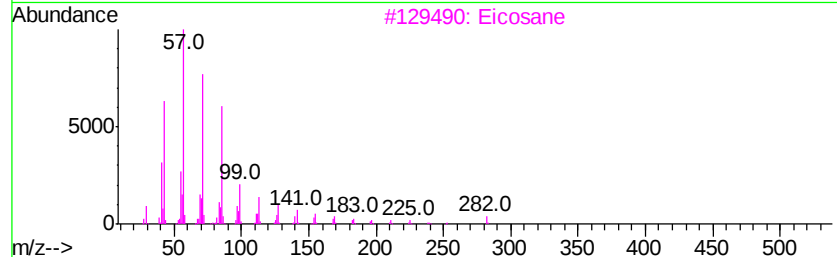
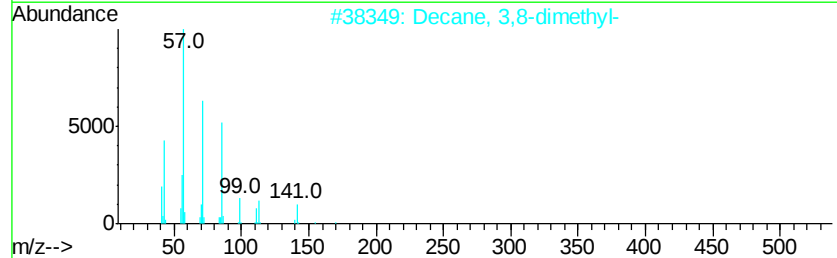
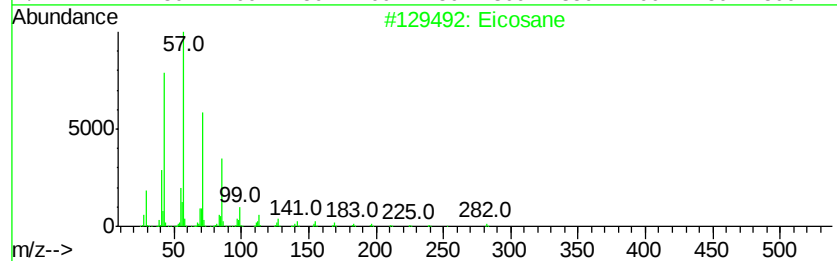
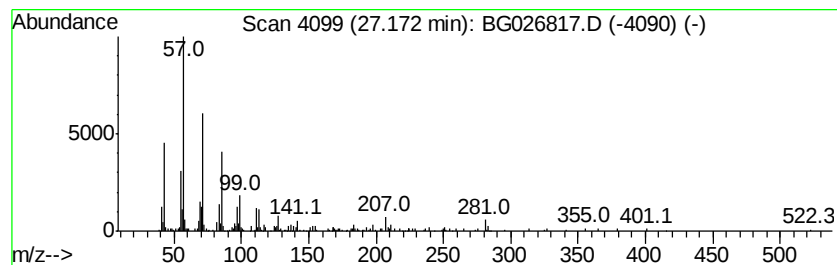
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.17	2.49 ng/ul	319775	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	95
3		Eicosane	282	C20H42	000112-95-8	93
4		2-methyloctacosane	408	C29H60	1000376-72-8	90
5		Hentriacontane	437	C31H64	000630-04-6	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
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ClientSampleId :
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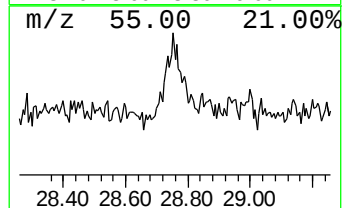
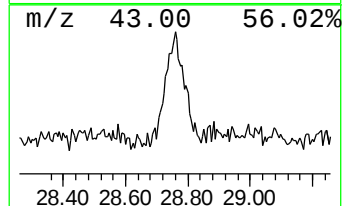
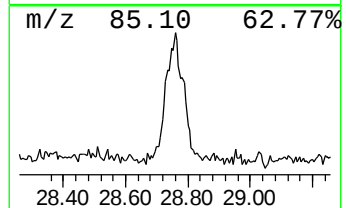
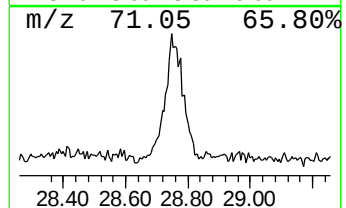
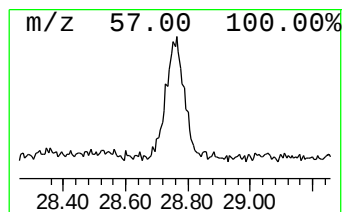
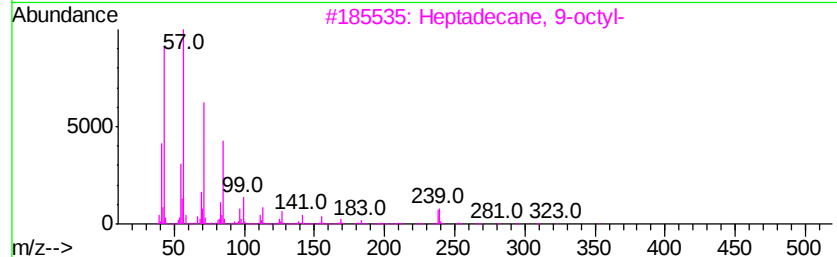
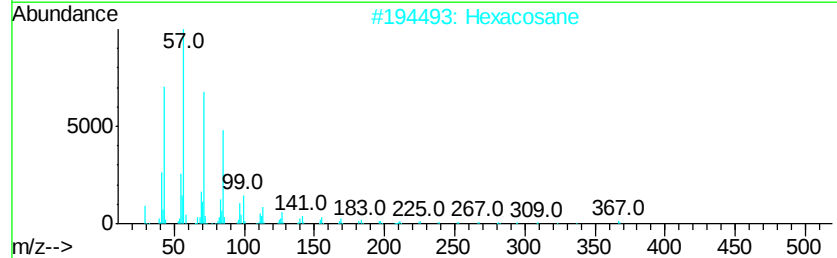
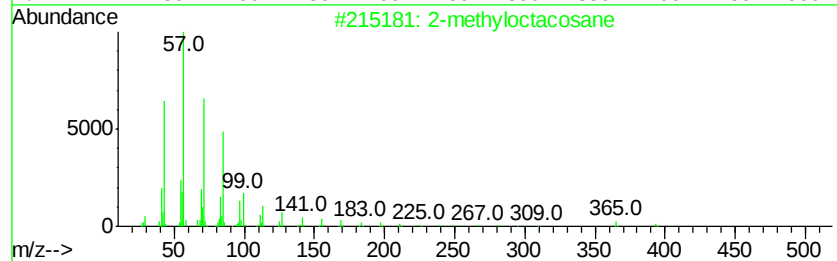
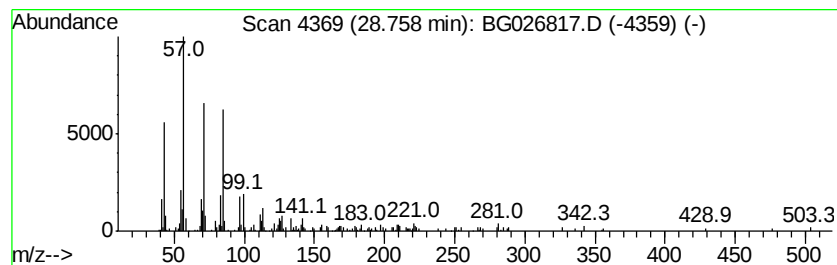
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.76	2.08 ng/ul	268004	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	83
2		Hexacosane	366	C26H54	000630-01-3	83
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	80
5		Octacosane	394	C28H58	000630-02-4	80



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050117\
Data File : BG026817.D
Acq On : 1 May 2017 21:51
Operator : SJ/MA
Sample : I2850-14
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JHSY4

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
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cis-Vaccenic acid	18.18	2.9	ng/ul	313131	4	17.35	2196510	20.0
n-Hexadecanoic acid	18.24	4.8	ng/ul	524773	4	17.35	2196510	20.0
1-Heptacosanol	21.39	5.0	ng/ul	610945	5	21.60	2445850	20.0
(DEL) Alkane: Cyc...	22.58	2.8	ng/ul	340427	5	21.60	2445850	20.0
Tetracosanoic acid	22.85	2.1	ng/ul	256772	5	21.60	2445850	20.0
(DEL) Alkane: Str...	25.85	2.7	ng/ul	350200	6	24.76	2571940	20.0
(DEL) Alkane: Str...	27.17	2.5	ng/ul	319775	6	24.76	2571940	20.0
(DEL) Alkane: Str...	28.76	2.1	ng/ul	268004	6	24.76	2571940	20.0