

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
 Data File : BM024839.D
 Acq On : 11 Feb 2020 18:02
 Operator : CG/JU
 Sample : L1405-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6P1

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-BM020620MA.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	3.010	18	21	28	rBV	56509	71657	1.06%	0.070%
2	3.710	136	140	144	rVB	68273	84491	1.25%	0.082%
3	3.928	172	177	182	rBV	40061	54159	0.80%	0.053%
4	4.587	285	289	295	rBV	43203	62838	0.93%	0.061%
5	6.598	622	631	646	rVB	882707	1338480	19.81%	1.306%
6	6.751	651	657	672	rVB	708640	1101298	16.30%	1.075%
7	6.939	683	689	703	rVV	998540	1542672	22.83%	1.506%
8	7.398	760	767	778	rBV	878428	1358746	20.11%	1.326%
9	8.116	882	889	902	rVV	1113790	1748570	25.88%	1.707%
10	8.539	954	961	973	rBV	876663	1394491	20.64%	1.361%
11	8.728	988	993	1000	rVB2	40420	66770	0.99%	0.065%
12	9.033	1038	1045	1051	rBV	59312	84510	1.25%	0.082%
13	9.257	1076	1083	1093	rBV	752828	1226803	18.16%	1.197%
14	9.792	1166	1174	1188	rBV	1182879	1993176	29.50%	1.945%
15	10.157	1229	1236	1242	rBV	1160151	1846131	27.32%	1.802%
16	10.298	1253	1260	1281	rBV	992770	1764196	26.11%	1.722%
17	12.980	1711	1716	1724	rVB3	45060	69023	1.02%	0.067%
18	13.480	1795	1801	1806	rVV	2161582	2999137	44.39%	2.927%
19	13.527	1806	1809	1816	rVV	146211	192824	2.85%	0.188%
20	13.739	1838	1845	1860	rBV	2543157	3658864	54.15%	3.571%
21	14.051	1892	1898	1905	rVV	1739473	2533078	37.49%	2.472%
22	14.115	1905	1909	1915	rVB	75924	105180	1.56%	0.103%
23	14.274	1930	1936	1950	rBV	619682	1081035	16.00%	1.055%
24	14.457	1963	1967	1975	rVV2	49705	87333	1.29%	0.085%
25	15.057	2063	2069	2075	rVV	3230765	4470196	66.16%	4.363%
26	15.109	2075	2078	2085	rVV	85447	122076	1.81%	0.119%
27	15.186	2085	2091	2099	rVV	831465	1169199	17.30%	1.141%
28	15.298	2103	2110	2114	rVV2	37740	76970	1.14%	0.075%
29	15.557	2150	2154	2162	rVB3	23811	53065	0.79%	0.052%
30	15.845	2198	2203	2208	rVB4	20078	45865	0.68%	0.045%
31	16.468	2305	2309	2318	rVB3	26823	63300	0.94%	0.062%
32	16.568	2318	2326	2330	rBV4	38077	86081	1.27%	0.084%
33	16.627	2331	2336	2342	rVV	71915	109689	1.62%	0.107%
34	16.809	2358	2367	2370	rBV	2056896	2966854	43.91%	2.896%

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35	16.851	2370	2374	2378	rVB	1247900	1657132	24.52%	1.617%
36	16.903	2378	2383	2388	rBV	3331517	4588040	67.90%	4.478%
37	17.221	2432	2437	2442	rBV3	59832	117805	1.74%	0.115%
38	17.333	2453	2456	2463	rVV4	22294	49984	0.74%	0.049%
39	17.686	2511	2516	2520	rBV	173492	237869	3.52%	0.232%
40	17.733	2520	2524	2533	rVB	236700	339310	5.02%	0.331%
41	17.815	2533	2538	2542	rBV2	69388	99331	1.47%	0.097%
42	17.874	2542	2548	2552	rVV2	252688	416102	6.16%	0.406%
43	17.915	2552	2555	2559	rVB	128078	162184	2.40%	0.158%
44	18.021	2565	2573	2577	rBV7	44131	98835	1.46%	0.096%
45	18.192	2598	2602	2614	rVB	127718	222315	3.29%	0.217%
46	18.445	2642	2645	2651	rVV4	53273	95071	1.41%	0.093%
47	18.497	2651	2654	2657	rVV	54031	69145	1.02%	0.067%
48	18.539	2657	2661	2665	rVB	39030	56723	0.84%	0.055%
49	18.621	2670	2675	2679	rBV	132299	197060	2.92%	0.192%
50	18.680	2679	2685	2686	rBV3	59296	89357	1.32%	0.087%
51	18.756	2693	2698	2706	rVB4	75059	147603	2.18%	0.144%
52	18.880	2711	2719	2727	rVB	2654266	3597628	53.24%	3.511%
53	18.956	2729	2732	2735	rVV	38435	44703	0.66%	0.044%
54	18.986	2735	2737	2742	rVB6	36533	42908	0.64%	0.042%
55	19.121	2754	2760	2766	rVB2	67057	138500	2.05%	0.135%
56	19.215	2770	2776	2779	rVV	4600985	6757052	100.00%	6.595%
57	19.239	2779	2780	2786	rVV	2341890	2523053	37.34%	2.463%
58	19.286	2786	2788	2790	rVV	69637	67184	0.99%	0.066%
59	19.321	2790	2794	2800	rVB2	102296	157268	2.33%	0.153%
60	19.380	2801	2804	2808	rVB	96932	99580	1.47%	0.097%
61	19.433	2808	2813	2819	rBV	127876	199537	2.95%	0.195%
62	19.586	2832	2839	2845	rBV3	174189	385645	5.71%	0.376%
63	19.715	2857	2861	2862	rVV2	147311	182694	2.70%	0.178%
64	19.750	2863	2867	2871	rVB	340173	526374	7.79%	0.514%
65	19.827	2876	2880	2881	rVV	96660	108682	1.61%	0.106%
66	19.850	2881	2884	2888	rVB	242824	283538	4.20%	0.277%
67	19.909	2888	2894	2897	rBV2	265689	415925	6.16%	0.406%
68	19.944	2898	2900	2905	rVB2	76479	97796	1.45%	0.095%
69	19.992	2905	2908	2913	rBV2	52711	70917	1.05%	0.069%
70	20.044	2913	2917	2921	rBV	170982	210786	3.12%	0.206%
71	20.092	2921	2925	2930	rBV3	187275	280657	4.15%	0.274%

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72	20.327	2960	2965	2968	rBV3	153842	233148	3.45%	0.228%
73	20.503	2991	2995	3001	rVB	127928	219961	3.26%	0.215%
74	20.662	3017	3022	3026	rBV2	235752	374871	5.55%	0.366%
75	20.703	3026	3029	3032	rVV	235843	299803	4.44%	0.293%
76	20.739	3032	3035	3038	rVV	199906	251800	3.73%	0.246%
77	20.780	3038	3042	3054	rVB4	568813	1071239	15.85%	1.046%
78	21.021	3074	3083	3086	rBV2	3226815	5885908	87.11%	5.745%
79	21.056	3086	3089	3097	rVB	1666974	2077763	30.75%	2.028%
80	21.227	3115	3118	3122	rBV	244753	262454	3.88%	0.256%
81	21.562	3172	3175	3179	rVB	271299	311235	4.61%	0.304%
82	21.609	3180	3183	3186	rVB	152391	165592	2.45%	0.162%
83	21.644	3186	3189	3197	rBV2	605012	954682	14.13%	0.932%
84	21.744	3203	3206	3208	rBV	154932	156974	2.32%	0.153%
85	22.080	3260	3263	3268	rVB	432662	524975	7.77%	0.512%
86	22.291	3295	3299	3304	rBV	452981	577077	8.54%	0.563%
87	22.509	3330	3336	3340	rBV	1657040	3357455	49.69%	3.277%
88	22.550	3340	3343	3347	rVV2	1760070	2733891	40.46%	2.668%
89	22.591	3347	3350	3358	rVB3	535383	844483	12.50%	0.824%
90	22.944	3405	3410	3413	rBV	950225	1539768	22.79%	1.503%
91	22.991	3413	3418	3422	rVV	3395788	5801765	85.86%	5.663%
92	23.032	3422	3425	3430	rVV	1145805	1741748	25.78%	1.700%
93	23.080	3430	3433	3436	rVV	458608	652249	9.65%	0.637%
94	23.121	3436	3440	3446	rVB	2001949	3273259	48.44%	3.195%
95	23.362	3477	3481	3487	rBV4	389649	560959	8.30%	0.548%
96	23.674	3529	3534	3540	rVB	1169260	2008111	29.72%	1.960%
97	23.744	3542	3546	3552	rVB3	315341	515044	7.62%	0.503%
98	24.756	3714	3718	3725	rVB4	439497	868181	12.85%	0.847%
99	25.162	3779	3787	3798	rVB3	1039972	3321831	49.16%	3.242%
100	25.791	3888	3894	3907	rVB	509584	1408453	20.84%	1.375%

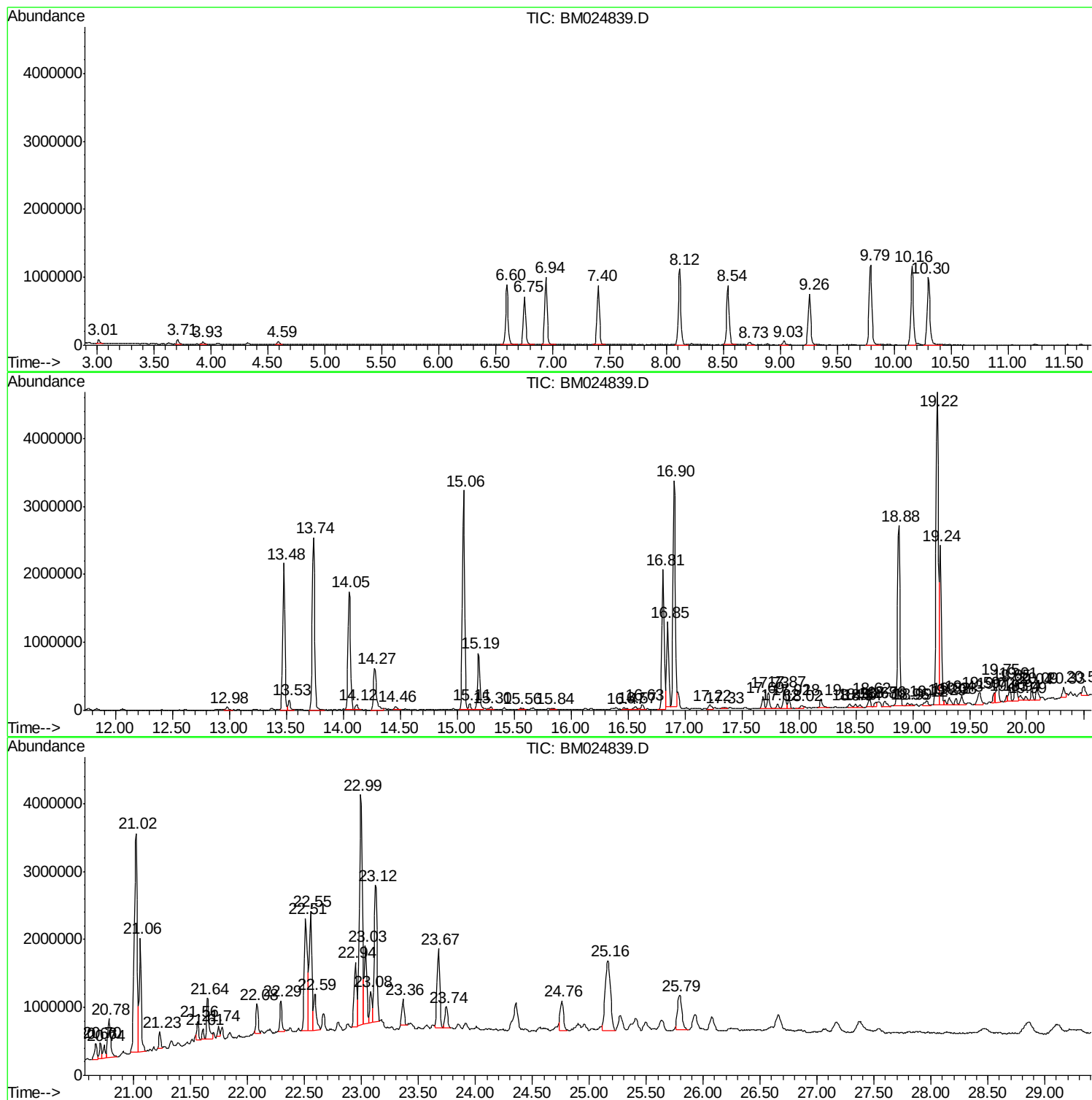
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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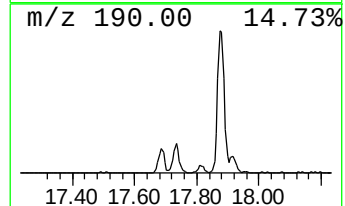
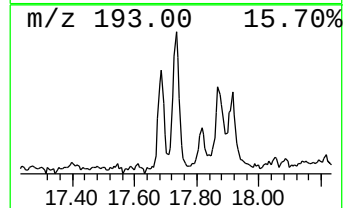
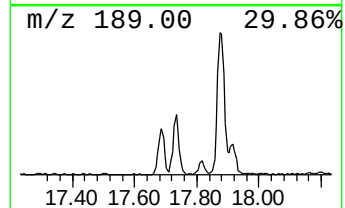
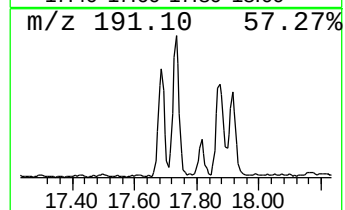
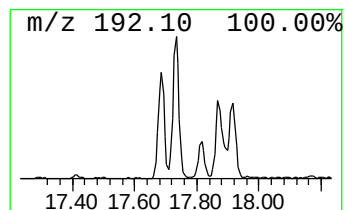
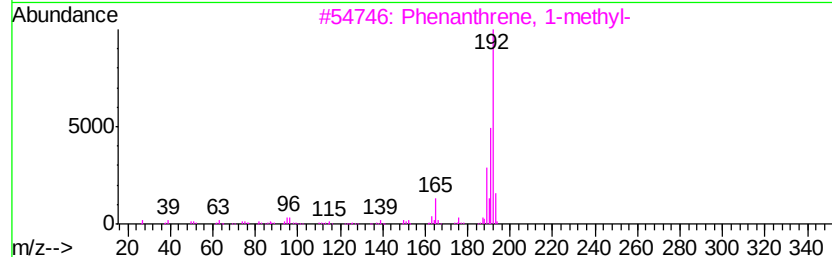
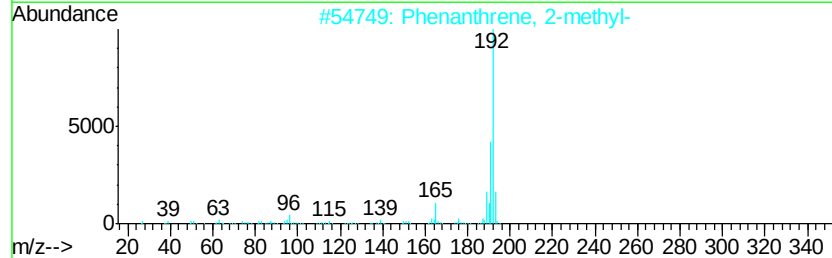
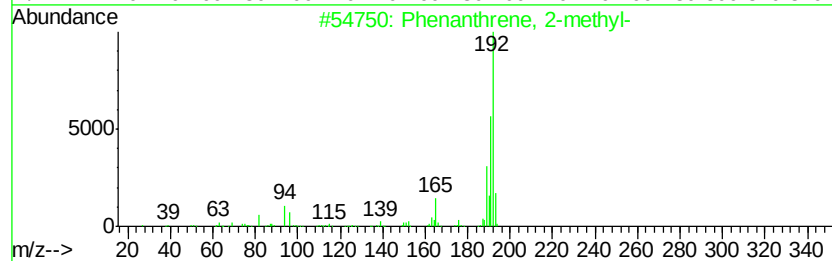
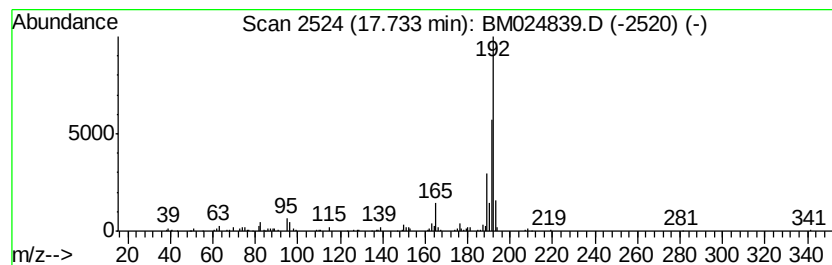
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.73	2.29 ng/ul	339310	Phenanthrene-d10	16.81		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...		192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-		192	C15H12	000613-12-7	95



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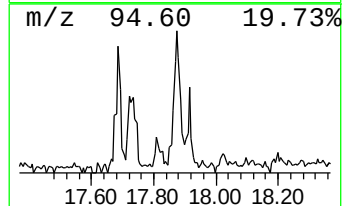
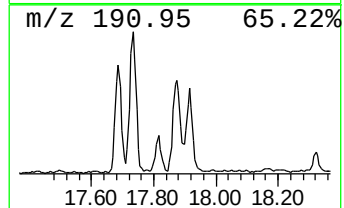
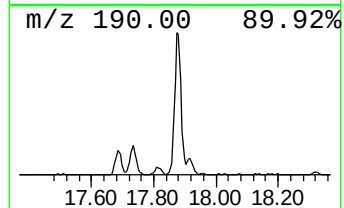
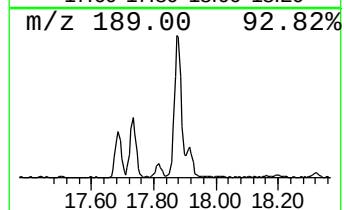
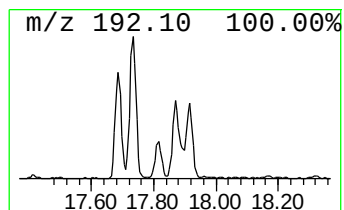
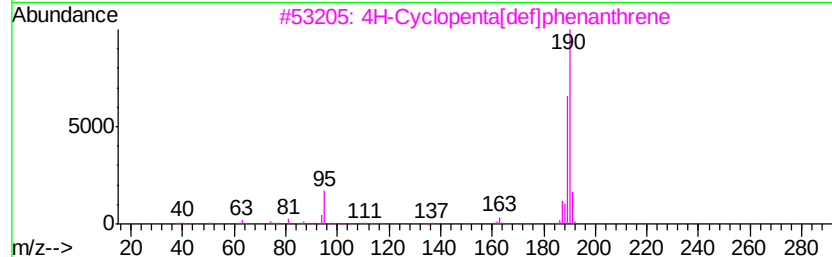
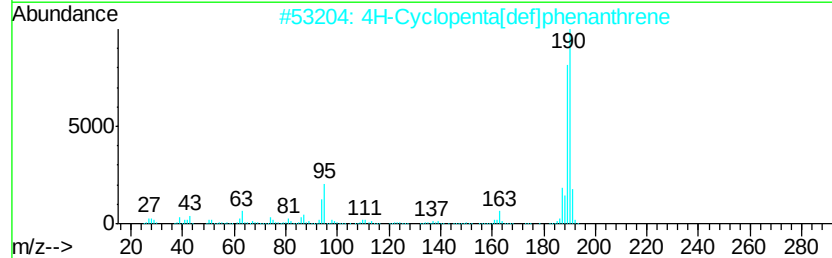
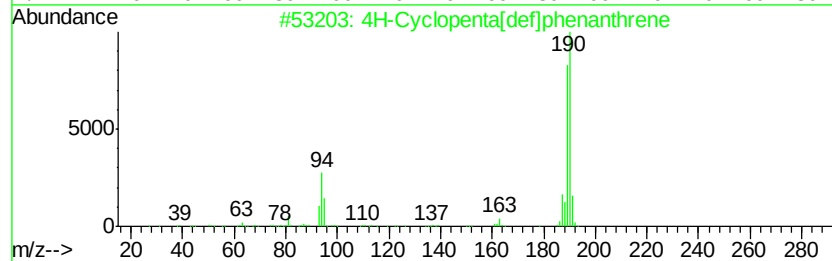
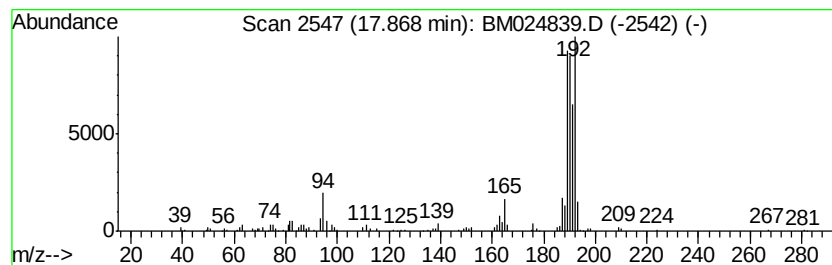
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.81 ng/ul	416102	Phenanthrene-d10	16.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35



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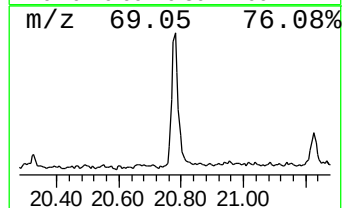
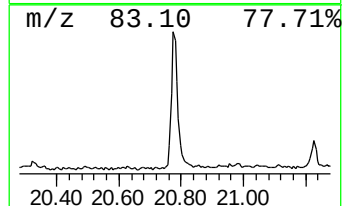
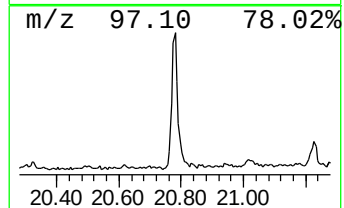
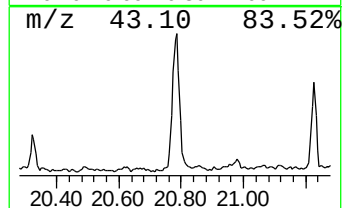
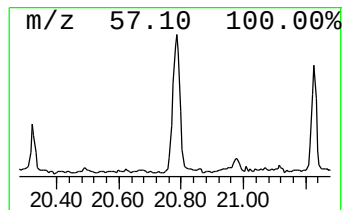
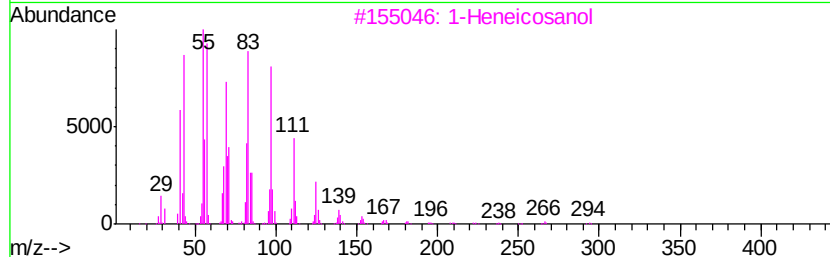
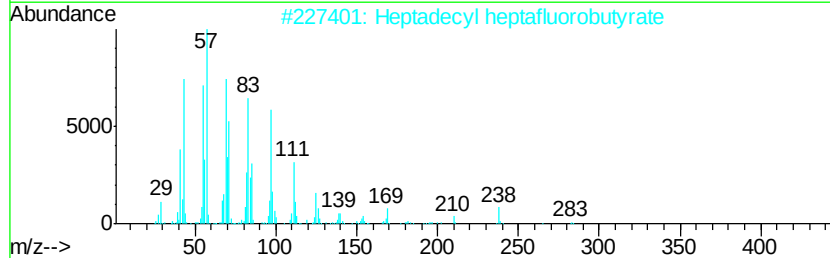
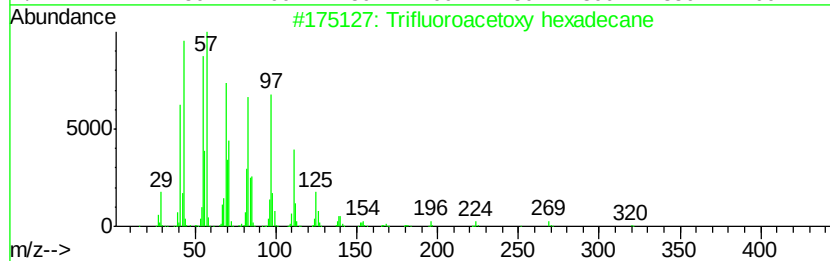
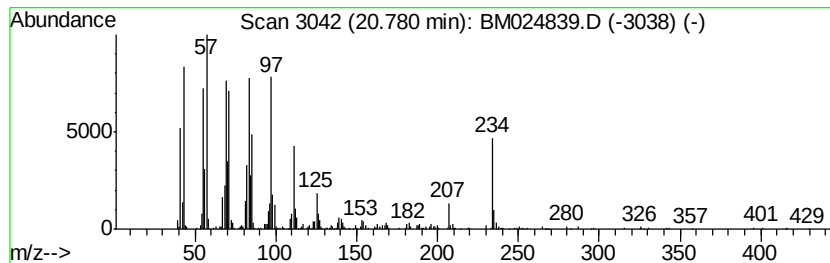
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Peak Number 3 Trifluoroacetoxy hexadecane Concentration Rank 3

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20.78	3.64 ng/ul	1071240	Chrysene-d12	21.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
3		1-Heneicosanol	312	C21H44O	015594-90-8	89
4		Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	83
5		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	81



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Data File : BM024839.D
Acq On : 11 Feb 2020 18:02
Operator : CG/JU
Sample : L1405-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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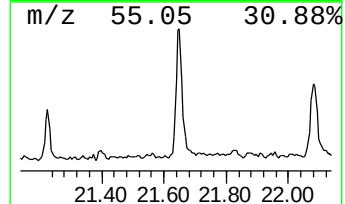
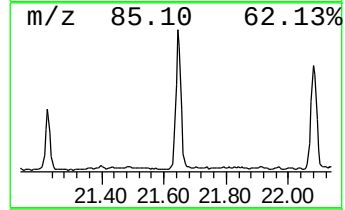
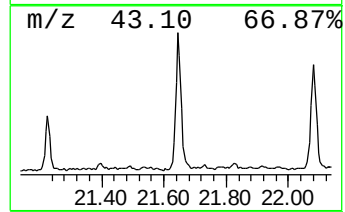
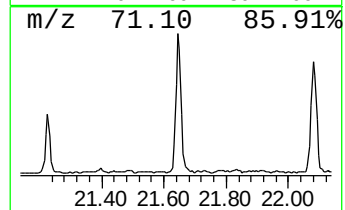
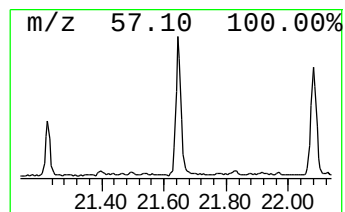
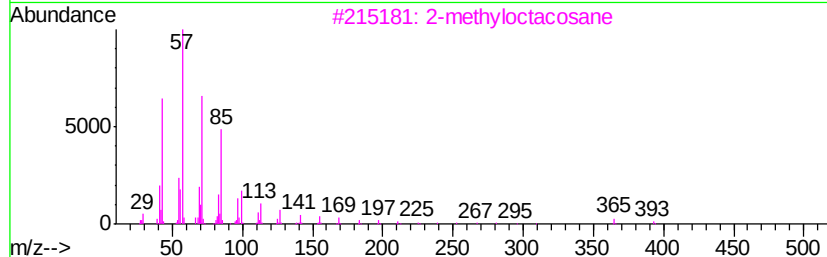
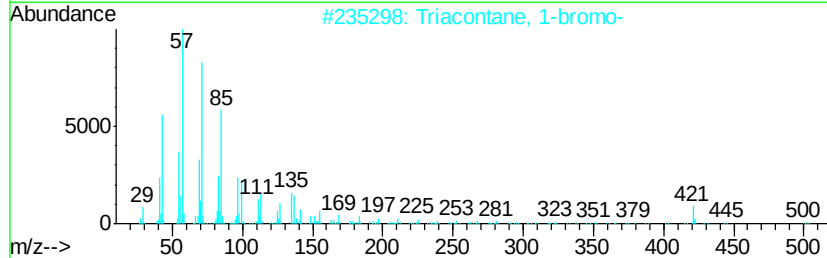
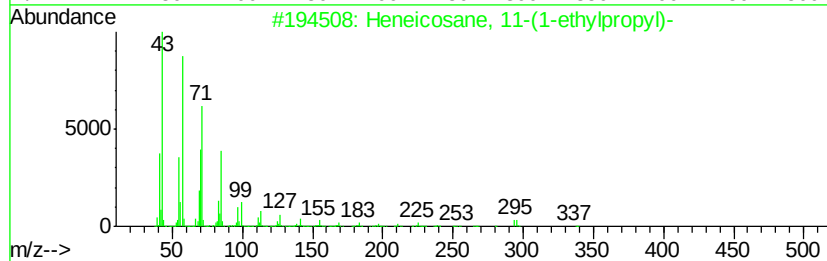
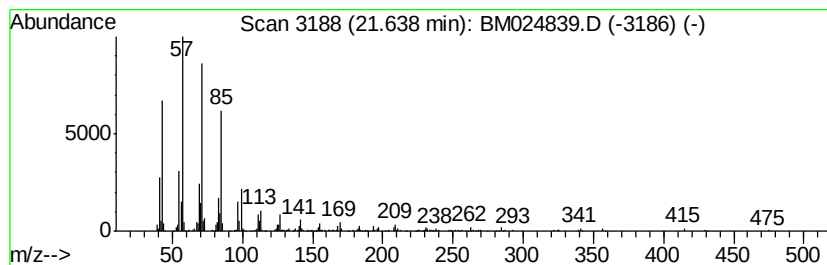
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.64	3.24 ng/ul	954682	Chrysene-d12	21.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
2		Triacotane, 1-bromo-	500	C30H61Br	004209-22-7	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024839.D
Acq On : 11 Feb 2020 18:02
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Misc :
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ClientSampleId :
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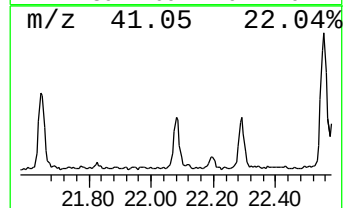
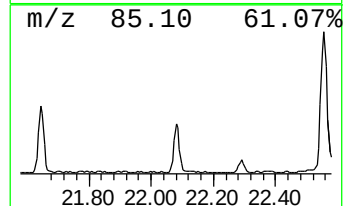
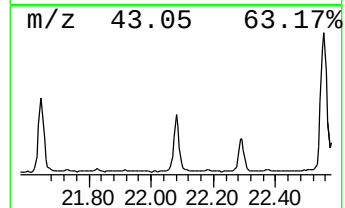
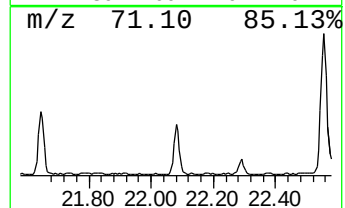
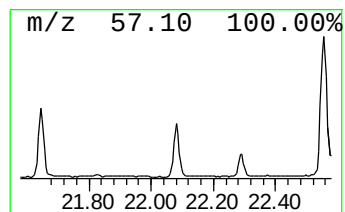
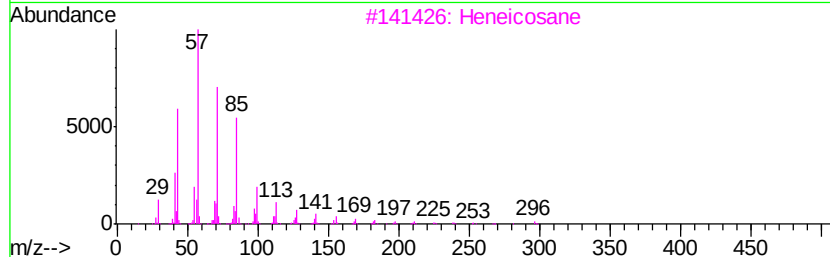
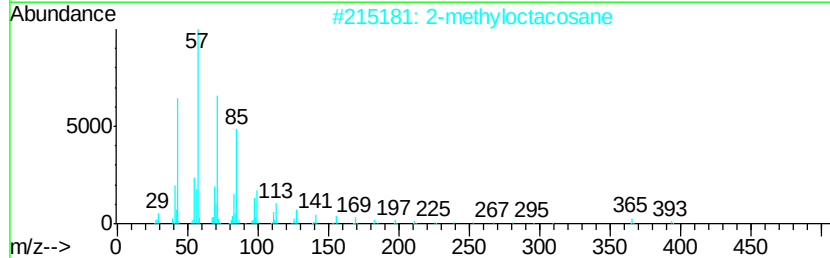
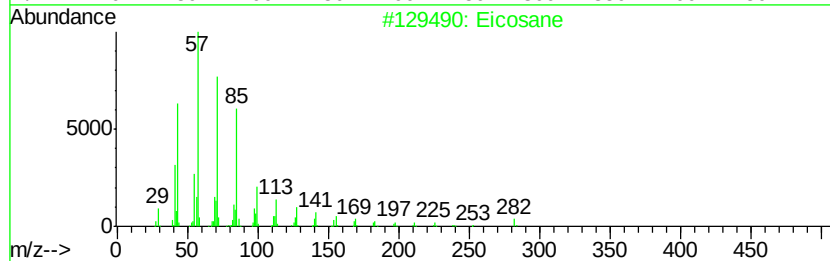
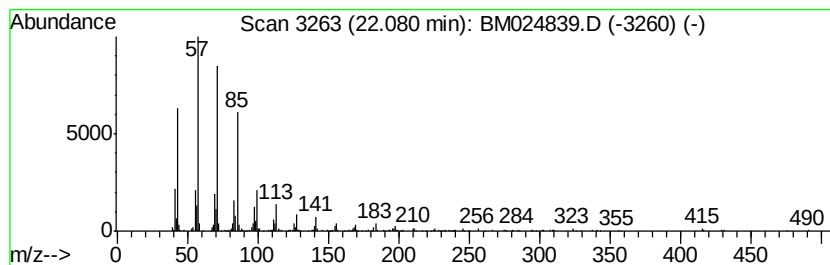
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.08	3.21 ng/ul	524975	Perylene-d12	23.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
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Acq On : 11 Feb 2020 18:02
Operator : CG/JU
Sample : L1405-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

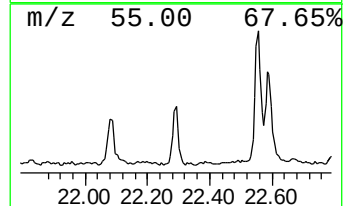
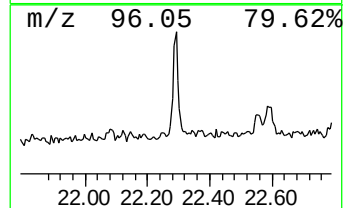
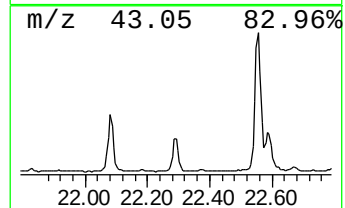
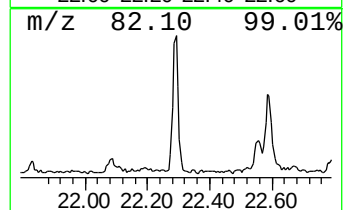
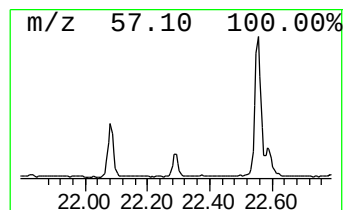
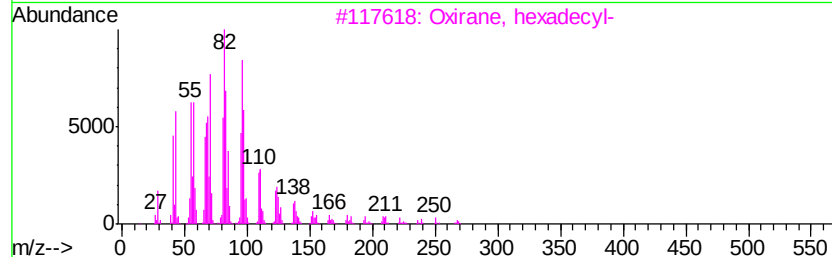
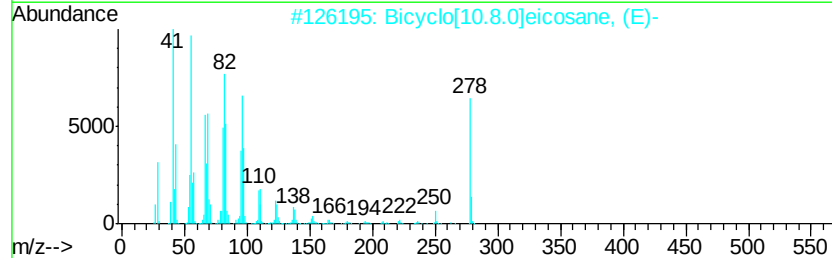
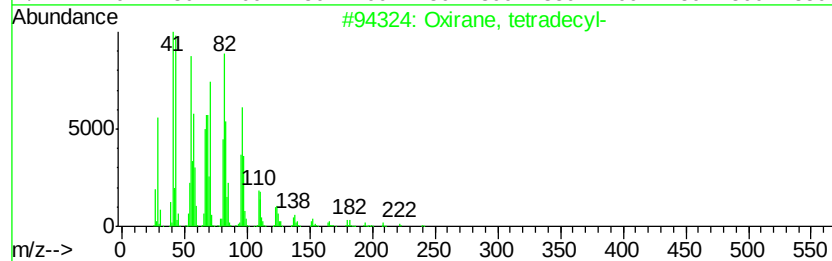
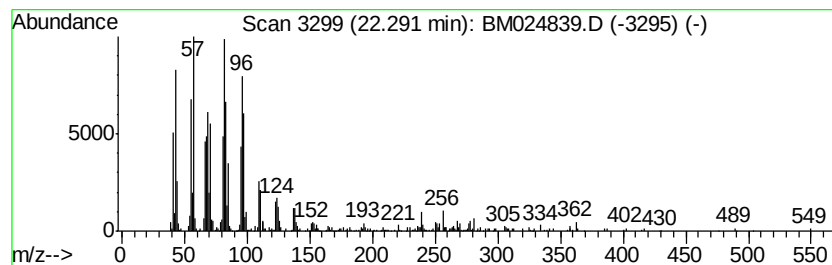
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Oxirane, tetradecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	3.53 ng/ul	577077	Perylene-d12	23.12
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oxirane, tetradecyl-	240 C16H32O	007320-37-8	94
2	Bicyclo[10.8.0]eicosane, (E)-	278 C20H38	1000155-85-0	93
3	Oxirane, hexadecyl-	268 C18H36O	007390-81-0	91
4	Tetradecanal	212 C14H28O	000124-25-4	91
5	Oxirane, hexadecyl-	268 C18H36O	007390-81-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024839.D
Acq On : 11 Feb 2020 18:02
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Sample : L1405-01
Misc :
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ClientSampleId :
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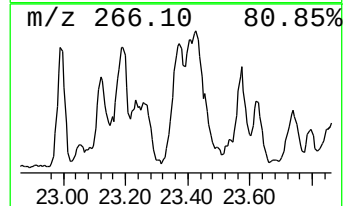
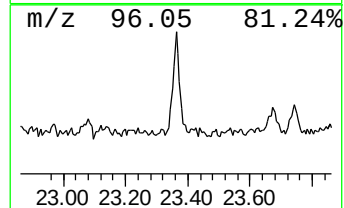
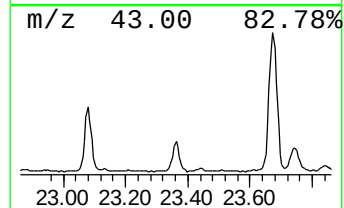
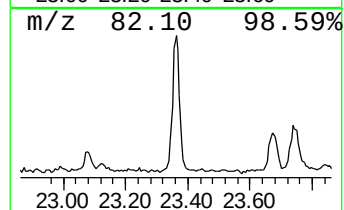
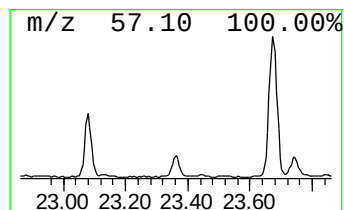
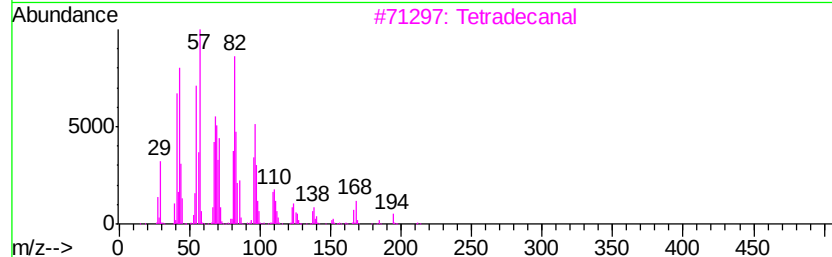
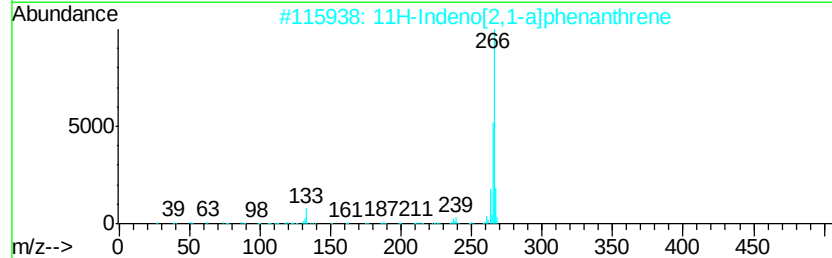
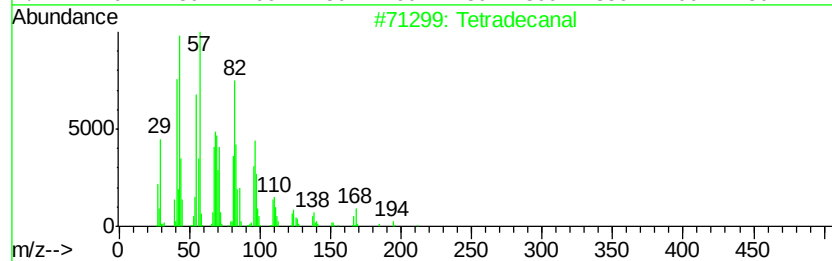
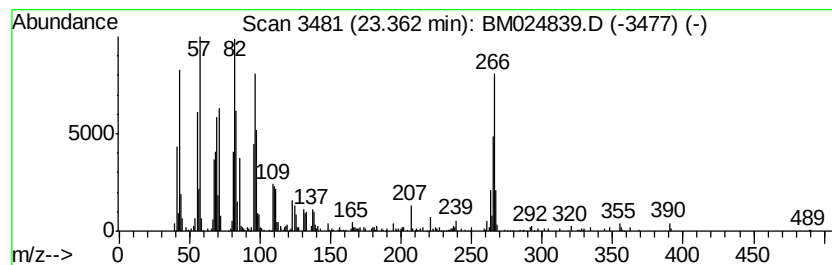
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Tetradecanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.36	3.43 ng/ul	560959	Perylene-d12	23.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecanal	212	C14H28O	000124-25-4	70
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	68
3		Tetradecanal	212	C14H28O	000124-25-4	64
4		Octadecanal	268	C18H36O	000638-66-4	60
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024839.D
Acq On : 11 Feb 2020 18:02
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Misc :
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Instrument :
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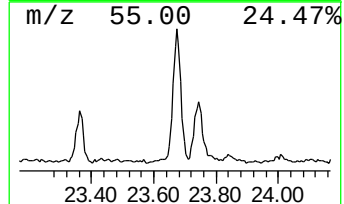
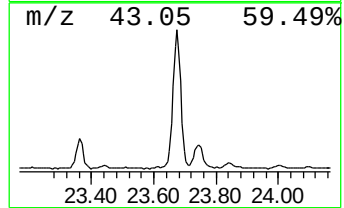
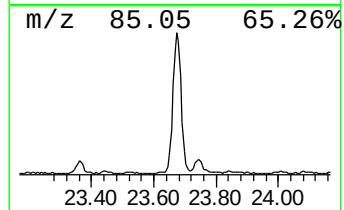
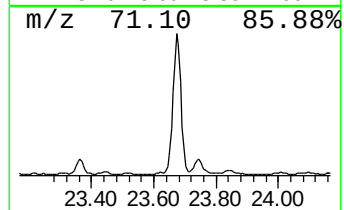
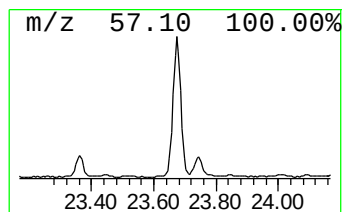
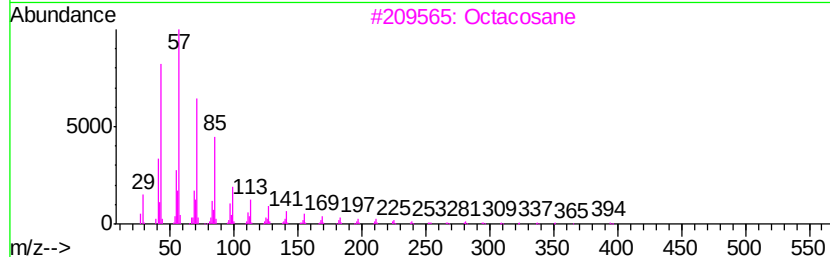
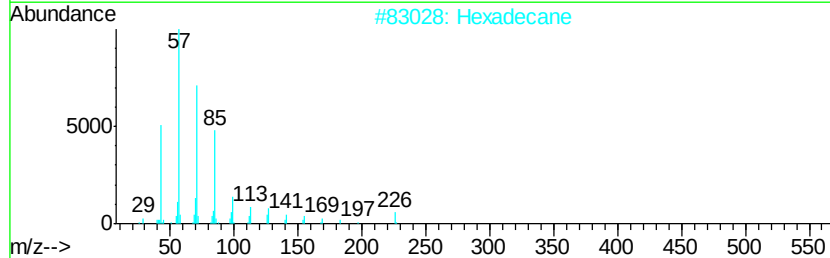
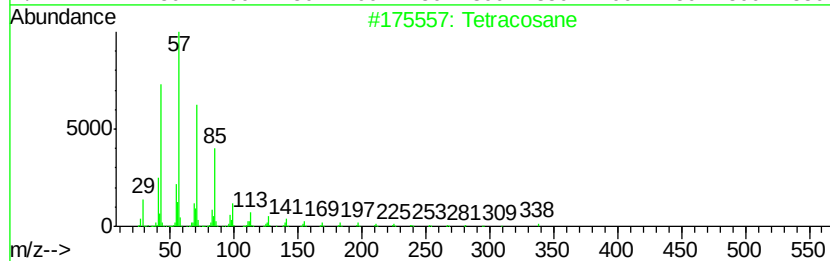
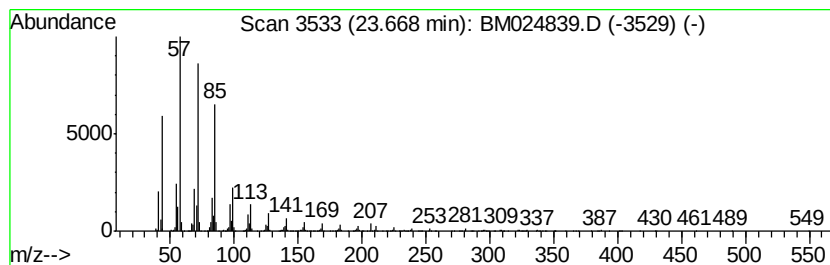
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.67	12.27 ng/ul	2008110	Perylene-d12	23.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	96
2		Hexadecane	226	C16H34	000544-76-3	93
3		Octacosane	394	C28H58	000630-02-4	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024839.D
Acq On : 11 Feb 2020 18:02
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Sample : L1405-01
Misc :
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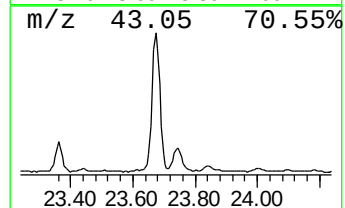
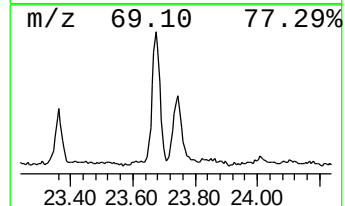
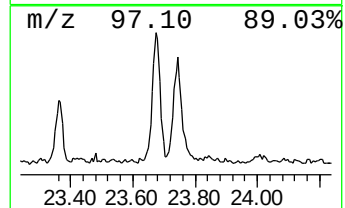
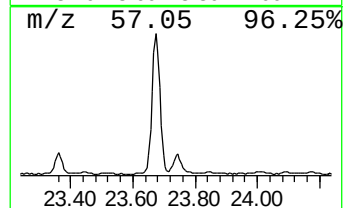
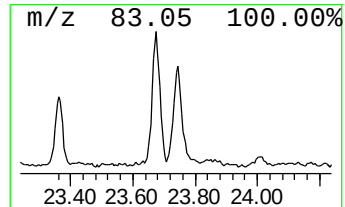
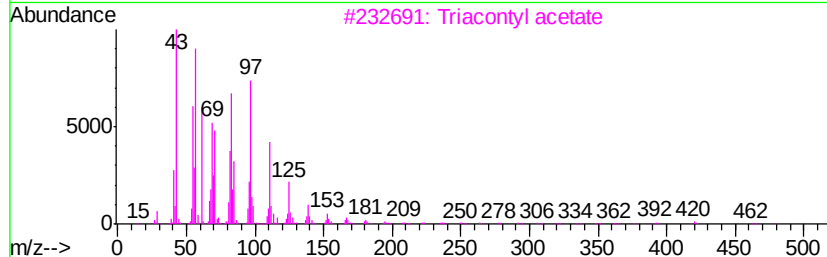
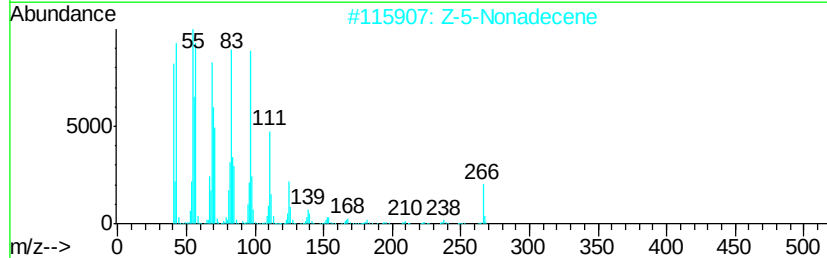
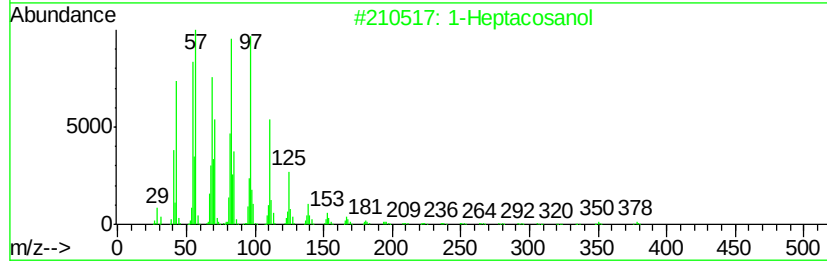
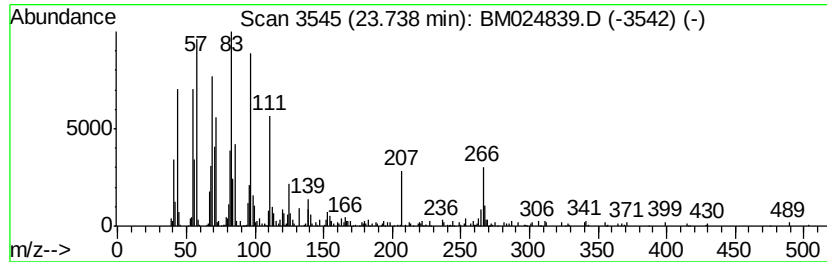
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1-Heptacosanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.74	3.15 ng/ul	515044	Perylene-d12	23.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heptacosanol	396	C27H56O	002004-39-9	90
2		Z-5-Nonadecene	266	C19H38	1000131-11-8	90
3		Triacontyl acetate	480	C32H64O2	041755-58-2	86
4		Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	86
5		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
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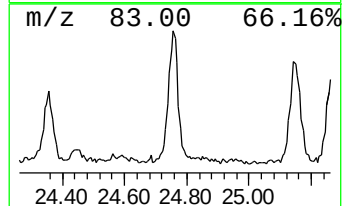
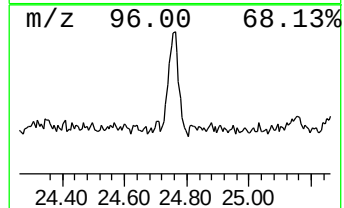
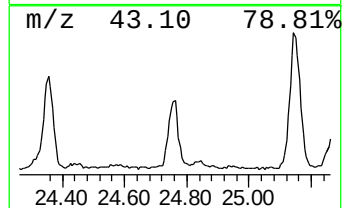
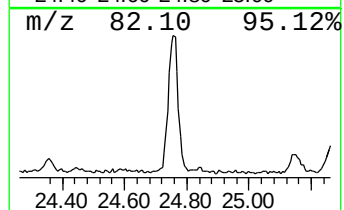
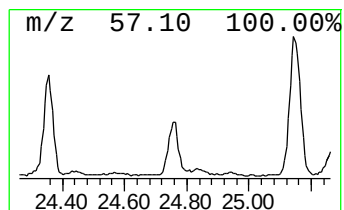
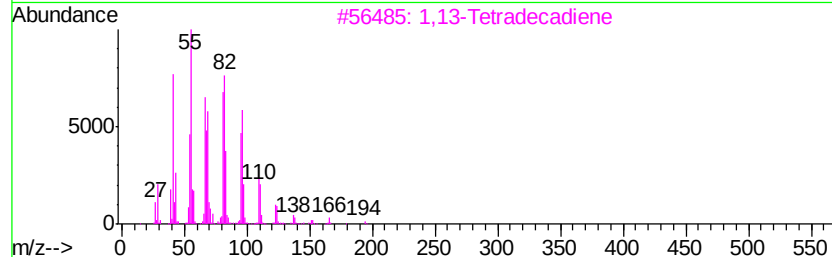
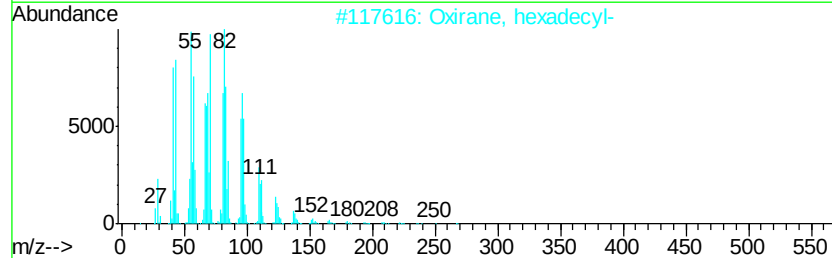
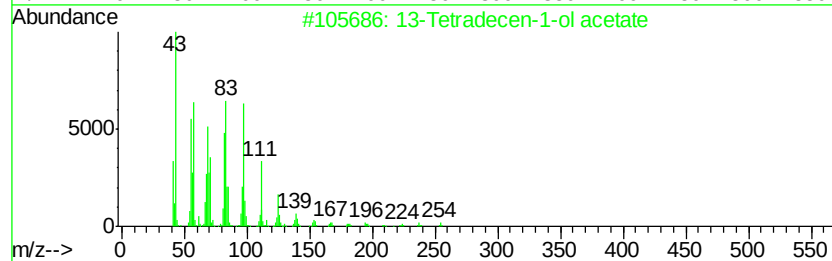
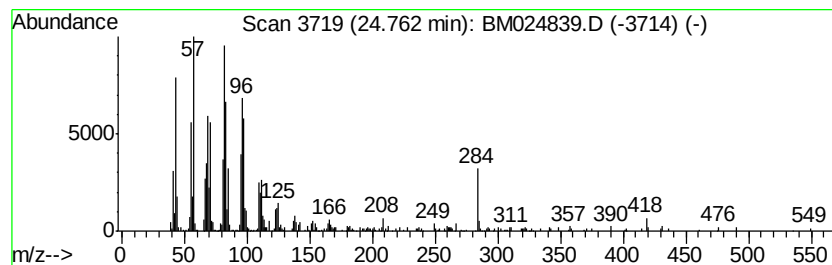
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 13-Tetradecen-1-ol acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
24.76	5.30 ng/ul	868181	Perylene-d12	23.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
3	1,13-Tetradecadiene	194	C14H26	021964-49-8	86
4	1,19-Eicosadiene	278	C20H38	014811-95-1	83
5	Heptadecanal	254	C17H34O	1000376-70-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021120\
 Data File : BM024839.D
 Acq On : 11 Feb 2020 18:02
 Operator : CG/JU
 Sample : L1405-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6P1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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
Phenanthrene, 2-m...	17.73	2.3	ng/ul	339310	4	16.81	2966850	20.0
4H-Cyclopenta[def...	17.87	2.8	ng/ul	416102	4	16.81	2966850	20.0
Trifluoroacetoxy ...	20.78	3.6	ng/ul	1071240	5	21.02	5885910	20.0
(DEL) Alkane: Str...	21.64	3.2	ng/ul	954682	5	21.02	5885910	20.0
(DEL) Alkane: Str...	22.08	3.2	ng/ul	524975	6	23.12	3273260	20.0
Oxirane, tetradecyl-	22.29	3.5	ng/ul	577077	6	23.12	3273260	20.0
Tetradecanal	23.36	3.4	ng/ul	560959	6	23.12	3273260	20.0
(DEL) Alkane: Str...	23.67	12.3	ng/ul	2008110	6	23.12	3273260	20.0
1-Heptacosanol	23.74	3.1	ng/ul	515044	6	23.12	3273260	20.0
13-Tetradecen-1-o...	24.76	5.3	ng/ul	868181	6	23.12	3273260	20.0