

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
 Data File : BM024977.D
 Acq On : 20 Feb 2020 11:38
 Operator : CG/JU
 Sample : L1423-21
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5B01

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	3.516	102	107	116	rBV	133822	255938	2.63%	0.204%
2	4.246	227	231	238	rVB3	37153	72067	0.74%	0.057%
3	4.593	286	290	299	rVB	51612	101008	1.04%	0.080%
4	6.587	620	629	646	rVB	765091	1376674	14.16%	1.095%
5	6.740	649	655	666	rBV	708878	1145007	11.78%	0.911%
6	6.928	680	687	701	rBV	927968	1520310	15.63%	1.210%
7	7.381	758	764	775	rBV	1158166	1928351	19.83%	1.534%
8	8.098	879	886	897	rBV	864343	1436848	14.78%	1.143%
9	8.204	899	904	912	rVB	88055	151745	1.56%	0.121%
10	8.522	951	958	970	rBV	778013	1285267	13.22%	1.023%
11	9.234	1073	1079	1094	rBV	665520	1108417	11.40%	0.882%
12	9.769	1164	1170	1194	rBV	979750	1839519	18.92%	1.464%
13	10.133	1225	1232	1249	rBV	1540339	2529198	26.01%	2.012%
14	10.286	1251	1258	1279	rBV	353308	838982	8.63%	0.667%
15	13.457	1791	1797	1802	rVV	1920180	2644313	27.19%	2.104%
16	13.504	1802	1805	1812	rVV	318026	438231	4.51%	0.349%
17	13.716	1833	1841	1858	rBV	2275953	3475391	35.74%	2.765%
18	14.033	1888	1895	1901	rVV	2248793	3279701	33.73%	2.609%
19	14.092	1901	1905	1910	rVV	73085	116052	1.19%	0.092%
20	14.263	1927	1934	1945	rBV	377575	791820	8.14%	0.630%
21	14.439	1957	1964	1968	rBV3	43649	103389	1.06%	0.082%
22	15.033	2059	2065	2071	rBV	2893201	4096309	42.13%	3.259%
23	15.086	2071	2074	2078	rBV	114925	155536	1.60%	0.124%
24	15.168	2082	2088	2095	rBV	510328	778957	8.01%	0.620%
25	15.274	2100	2106	2113	rVV4	41860	125036	1.29%	0.099%
26	15.392	2121	2126	2137	rVB	60128	110163	1.13%	0.088%
27	15.539	2146	2151	2160	rVV	55023	115029	1.18%	0.092%
28	15.768	2185	2190	2195	rVV6	37847	72342	0.74%	0.058%
29	16.104	2238	2247	2252	rBV5	50667	125249	1.29%	0.100%
30	16.339	2282	2287	2290	rVV2	50917	77120	0.79%	0.061%
31	16.374	2290	2293	2296	rVV2	54175	71366	0.73%	0.057%
32	16.451	2301	2306	2314	rVB5	54112	113520	1.17%	0.090%
33	16.539	2316	2321	2325	rBV2	59073	122040	1.26%	0.097%
34	16.604	2327	2332	2338	rVB	114661	159527	1.64%	0.127%

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35	16.786	2357	2363	2367	rBV	2666330	3794212	39.02%	3.019%
36	16.827	2367	2370	2375	rVV	2603406	3337474	34.32%	2.655%
37	16.886	2375	2380	2384	rVV	3033759	4364475	44.88%	3.472%
38	16.915	2384	2385	2393	rVV	676903	723549	7.44%	0.576%
39	16.992	2393	2398	2404	rVV2	58742	110043	1.13%	0.088%
40	17.198	2422	2433	2438	rBV2	102215	217067	2.23%	0.173%
41	17.315	2449	2453	2459	rVV	80016	132359	1.36%	0.105%
42	17.374	2459	2463	2471	rVB4	66359	120655	1.24%	0.096%
43	17.515	2483	2487	2493	rVB2	40856	72693	0.75%	0.058%
44	17.662	2507	2512	2516	rBV	394809	549785	5.65%	0.437%
45	17.715	2516	2521	2530	rVB2	519352	948464	9.75%	0.755%
46	17.792	2530	2534	2539	rVB	201498	263627	2.71%	0.210%
47	17.857	2539	2545	2549	rBV2	723771	1169692	12.03%	0.931%
48	17.892	2549	2551	2560	rVB	280926	376186	3.87%	0.299%
49	18.174	2594	2599	2602	rVV	334119	453386	4.66%	0.361%
50	18.209	2602	2605	2612	rVB2	206954	296930	3.05%	0.236%
51	18.421	2638	2641	2646	rVV	102507	158293	1.63%	0.126%
52	18.474	2646	2650	2654	rVV	116229	167752	1.73%	0.133%
53	18.515	2654	2657	2661	rVB2	101211	124960	1.29%	0.099%
54	18.598	2666	2671	2676	rBV	255872	425911	4.38%	0.339%
55	18.662	2676	2682	2685	rBV3	129661	236438	2.43%	0.188%
56	18.733	2690	2694	2703	rBV2	214662	447023	4.60%	0.356%
57	18.856	2707	2715	2724	rBV	6344915	8404290	86.43%	6.686%
58	18.939	2725	2729	2730	rBV2	74876	80076	0.82%	0.064%
59	19.021	2738	2743	2746	rBV3	63717	112486	1.16%	0.089%
60	19.074	2749	2752	2754	rVV2	58649	84758	0.87%	0.067%
61	19.098	2754	2756	2763	rVB	162104	247006	2.54%	0.197%
62	19.198	2767	2773	2775	rBV	4401501	6801078	69.94%	5.411%
63	19.221	2775	2777	2782	rVB	5336176	5977025	61.47%	4.755%
64	19.298	2787	2790	2798	rVB2	216972	390828	4.02%	0.311%
65	19.409	2805	2809	2814	rBV	300665	383640	3.95%	0.305%
66	19.468	2815	2819	2827	rVB	149344	282270	2.90%	0.225%
67	19.562	2828	2835	2840	rBV3	336650	804565	8.27%	0.640%
68	19.609	2840	2843	2846	rVB2	87649	107966	1.11%	0.086%
69	19.698	2853	2858	2860	rVV3	289841	476844	4.90%	0.379%
70	19.733	2860	2864	2868	rVB	876715	1210424	12.45%	0.963%
71	19.833	2877	2881	2885	rVB	674175	823750	8.47%	0.655%

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72	19.886	2885	2890	2895	rBV2	548826	829484	8.53%	0.660%
73	19.974	2902	2905	2909	rBV2	93086	123482	1.27%	0.098%
74	20.027	2910	2914	2918	rVB	264646	332532	3.42%	0.265%
75	20.074	2918	2922	2927	rBV2	271956	409065	4.21%	0.325%
76	20.303	2959	2961	2964	rBV2	71140	80443	0.83%	0.064%
77	20.450	2982	2986	2988	rBV4	111303	179206	1.84%	0.143%
78	20.480	2988	2991	2998	rVB	280747	471362	4.85%	0.375%
79	20.645	3014	3019	3023	rBV3	461116	726706	7.47%	0.578%
80	20.686	3023	3026	3029	rVV	489002	564043	5.80%	0.449%
81	20.721	3029	3032	3036	rVV2	393050	720131	7.41%	0.573%
82	20.762	3036	3039	3048	rVB2	798153	1545386	15.89%	1.230%
83	20.997	3069	3079	3083	rBV3	4763472	9723815	100.00%	7.736%
84	21.039	3083	3086	3094	rVB	3040757	3841880	39.51%	3.057%
85	21.156	3102	3106	3109	rBV	417895	512991	5.28%	0.408%
86	21.209	3111	3115	3118	rBV3	318110	407091	4.19%	0.324%
87	21.309	3128	3132	3138	rBV2	333542	574044	5.90%	0.457%
88	21.539	3169	3171	3175	rVB	482271	563659	5.80%	0.448%
89	21.592	3177	3180	3183	rVB	240607	274173	2.82%	0.218%
90	21.627	3184	3186	3190	rBV3	216812	299064	3.08%	0.238%
91	21.721	3199	3202	3205	rBV	328529	396202	4.07%	0.315%
92	21.756	3205	3208	3213	rVB2	362239	452326	4.65%	0.360%
93	22.486	3327	3332	3337	rBV	2546201	5427860	55.82%	4.318%
94	22.639	3355	3358	3364	rVB	460008	644108	6.62%	0.512%
95	22.921	3401	3406	3410	rBV	1372775	2379370	24.47%	1.893%
96	22.968	3410	3414	3418	rVV	2767939	4672316	48.05%	3.717%
97	23.009	3418	3421	3426	rVB	2184279	3124803	32.14%	2.486%
98	23.097	3431	3436	3441	rBV	2220673	3628036	37.31%	2.886%
99	25.133	3776	3782	3793	rVB2	1252963	3311099	34.05%	2.634%
100	25.750	3882	3887	3901	rVB	807555	2238743	23.02%	1.781%

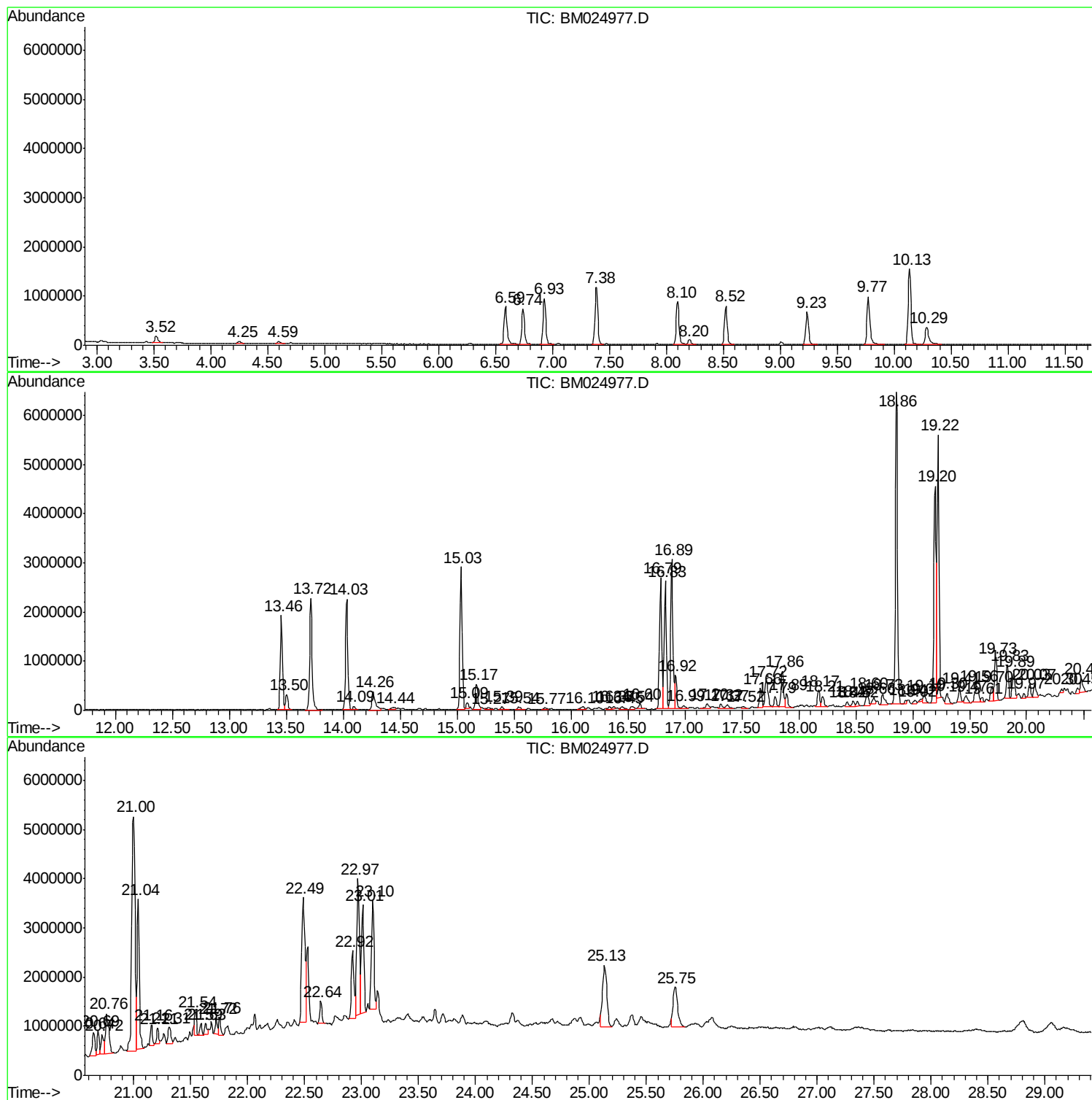
Sum of corrected areas: 125691822

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



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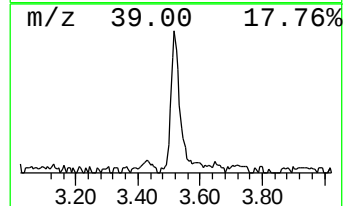
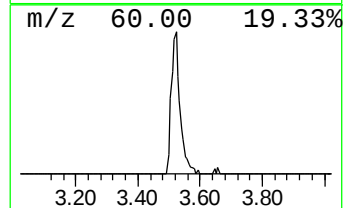
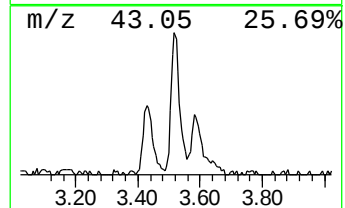
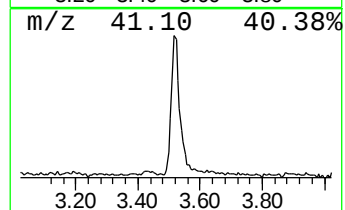
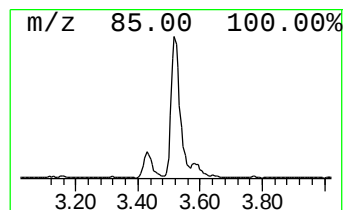
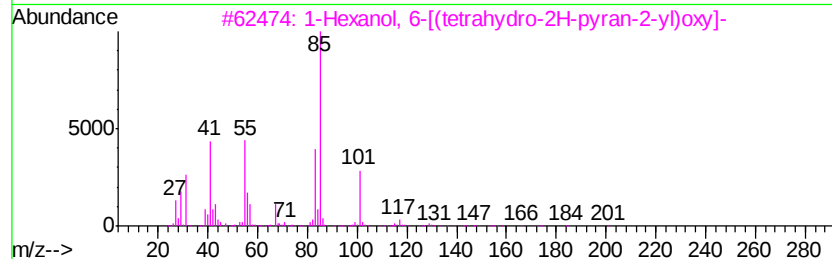
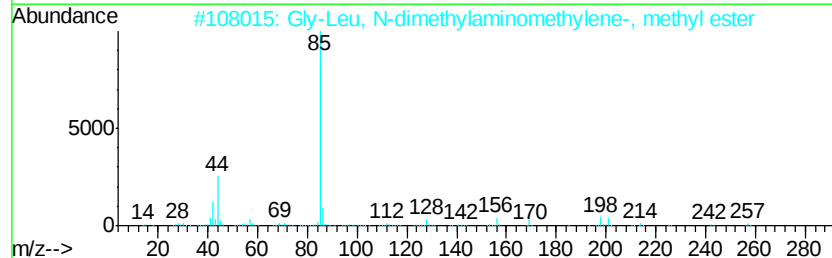
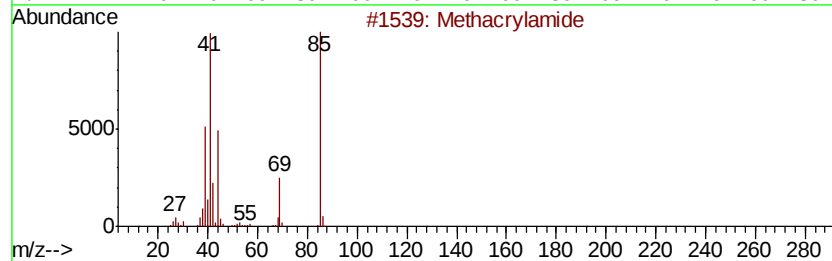
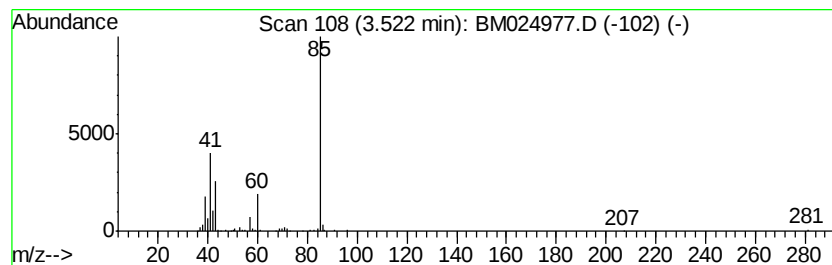
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	2.65 ng/ul	255938	1,4-Dichlorobenzene-d4	7.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methacrylamide	85	C4H7NO	000079-39-0	9
2		Gly-Leu, N-dimethylaminomethylen...	257	C12H23N3O3	1000375-72-0	9
3		1-Hexanol, 6-[(tetrahydro-2H-pyr...	202	C11H22O3	028659-22-5	9
4		Thiazole	85	C3H3NS	000288-47-1	5
5		3H-1,2,4-Triazol-3-one, 1,2-dihy...	85	C2H3N3O	000930-33-6	5



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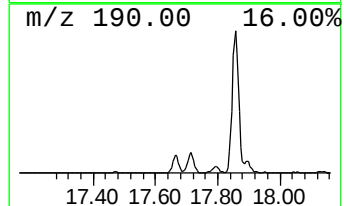
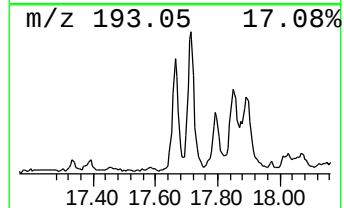
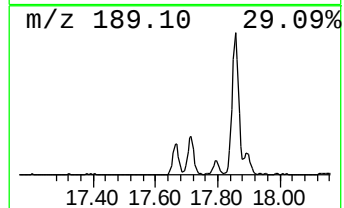
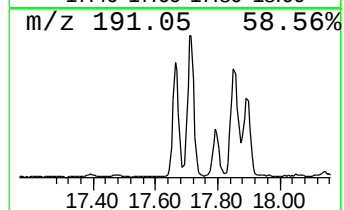
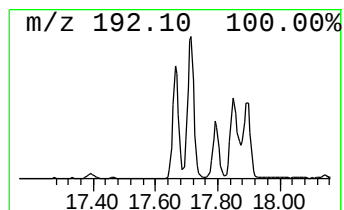
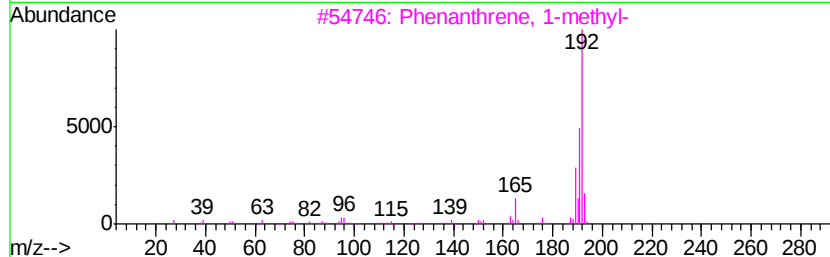
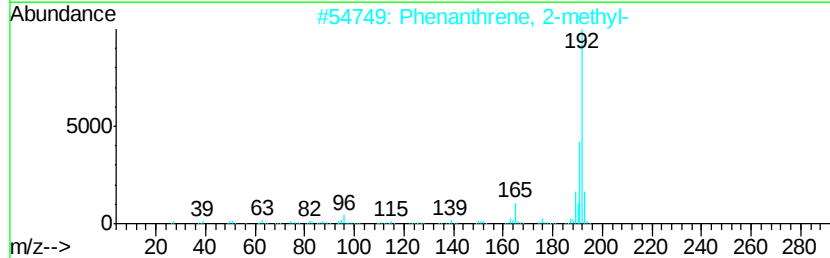
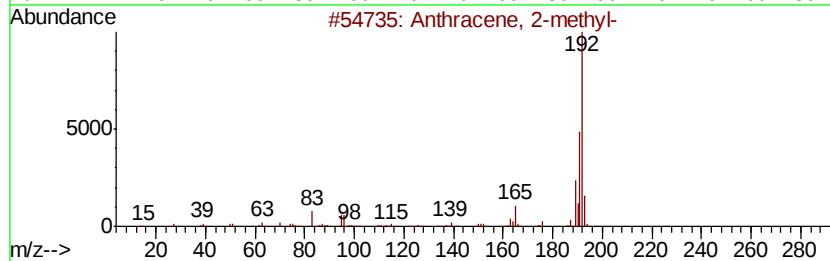
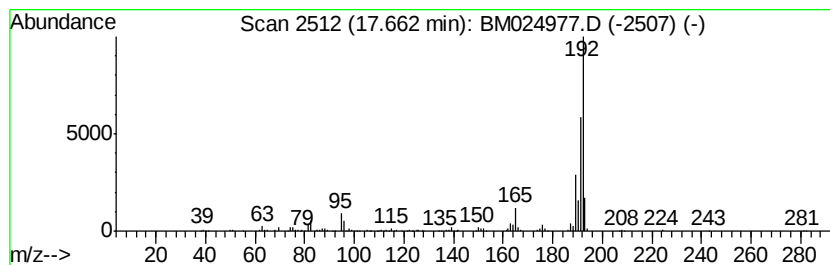
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Peak Number 2 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.90 ng/ul	549785	Phenanthrene-d10	16.79

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



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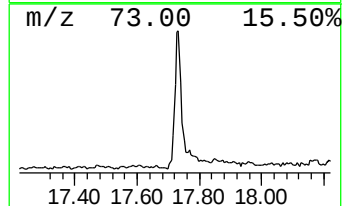
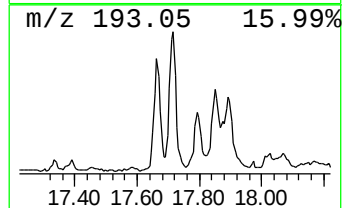
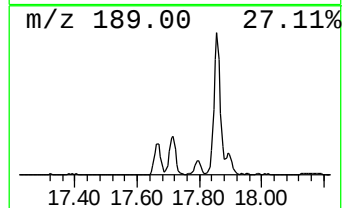
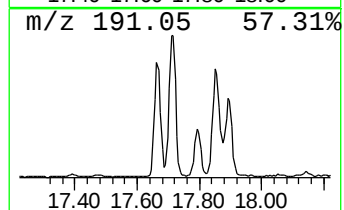
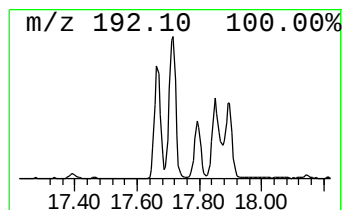
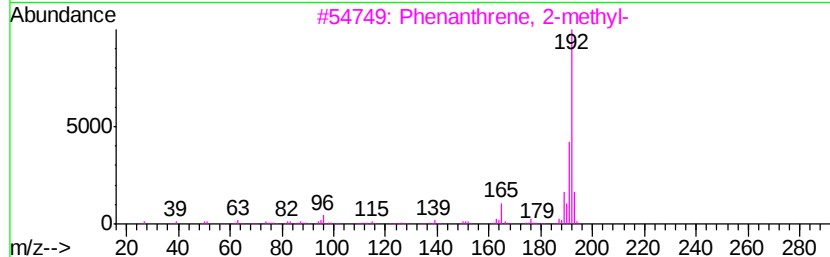
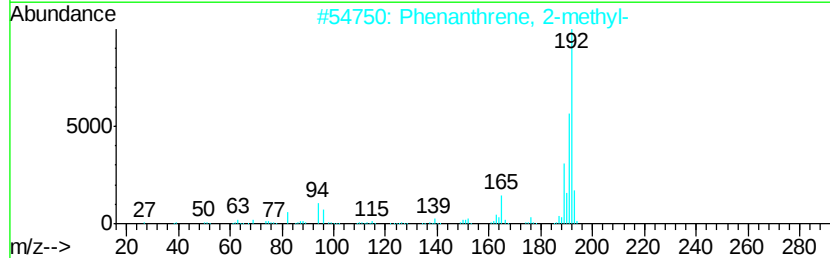
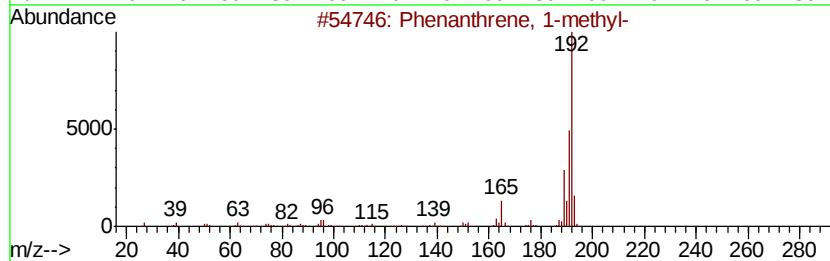
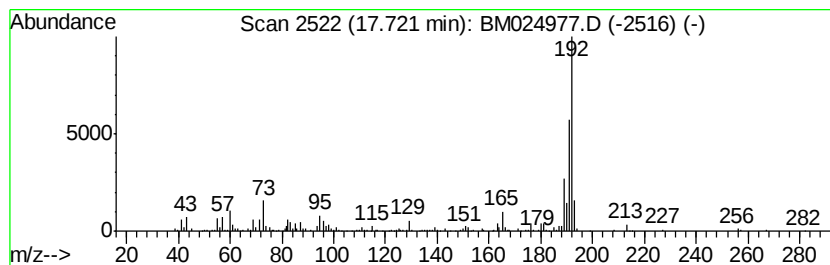
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.72	5.00 ng/ul	948464	Phenanthrene-d10	16.79		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97	
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97	
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96	
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95	



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Operator : CG/JU
Sample : L1423-21
Misc :
ALS Vial : 35 Sample Multiplier: 1

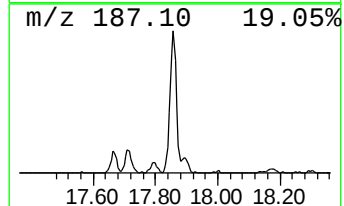
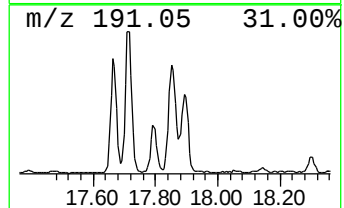
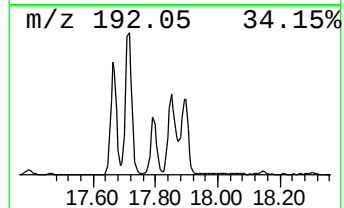
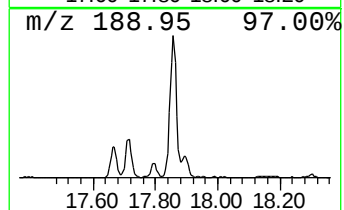
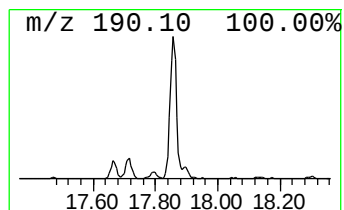
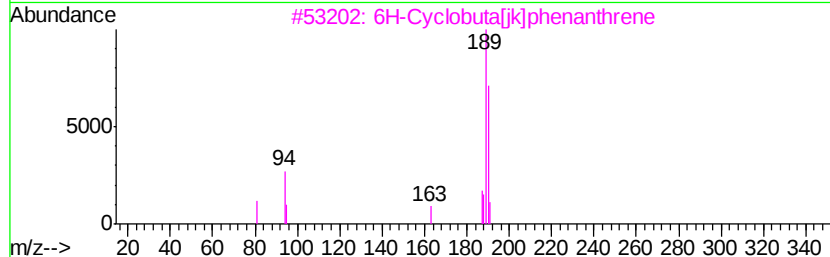
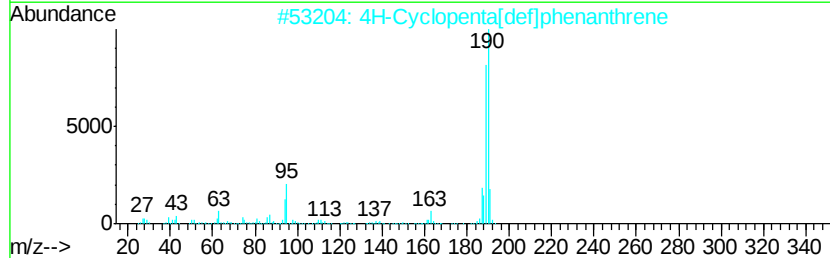
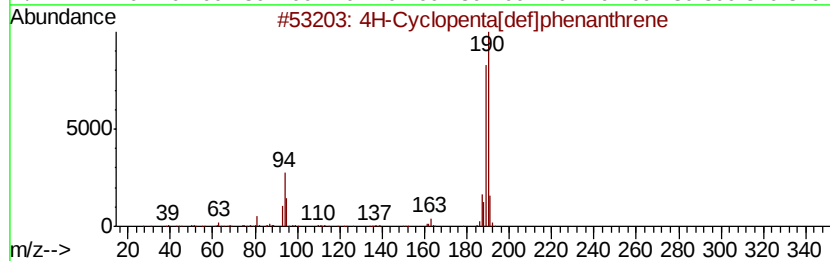
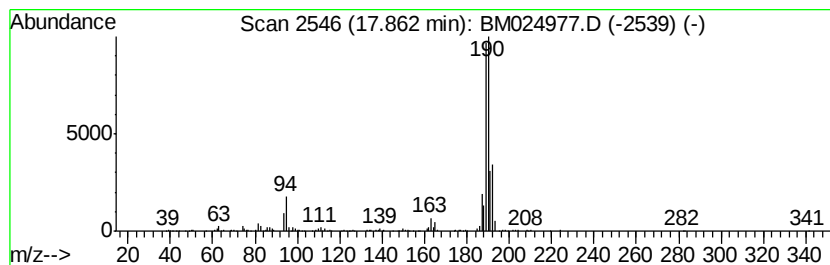
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.86	6.17 ng/ul	1169690	Phenanthrene-d10	16.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	53
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50



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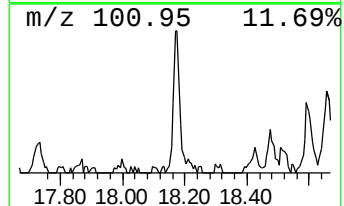
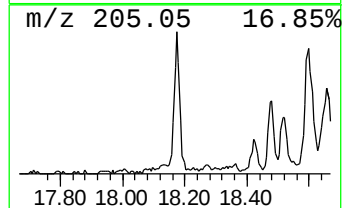
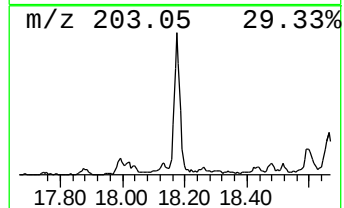
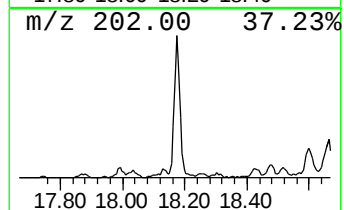
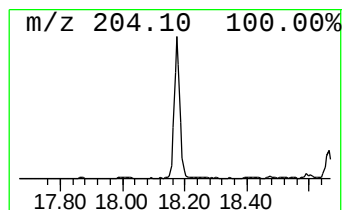
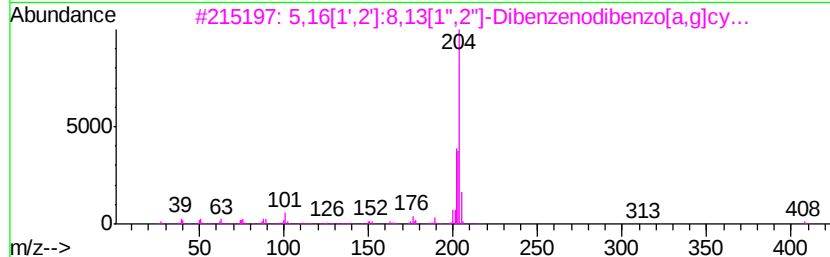
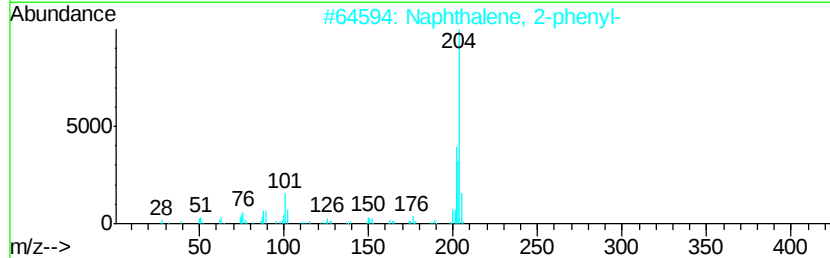
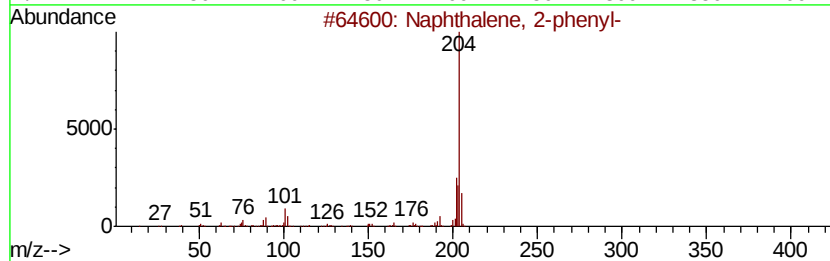
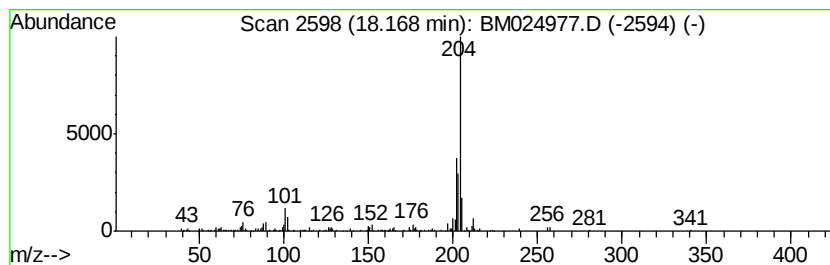
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.39 ng/ul	453386	Phenanthrene-d10	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



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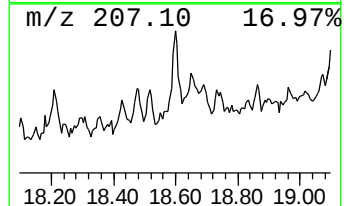
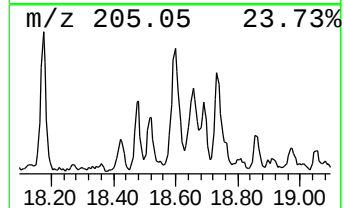
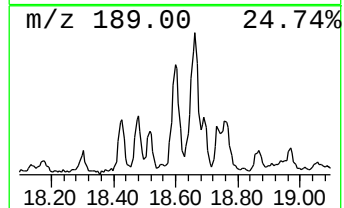
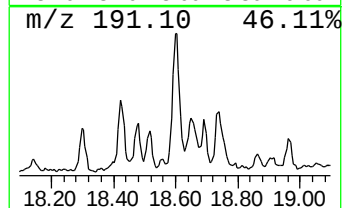
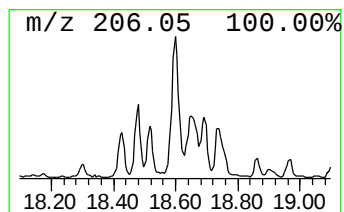
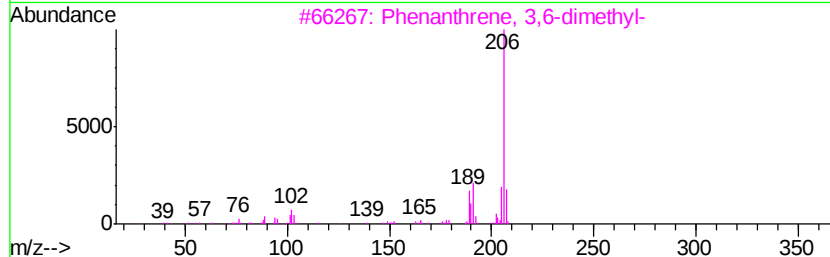
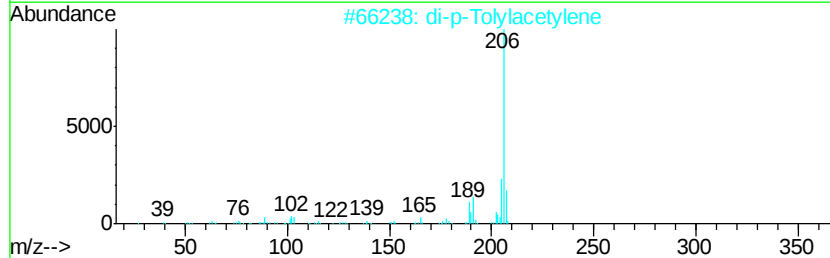
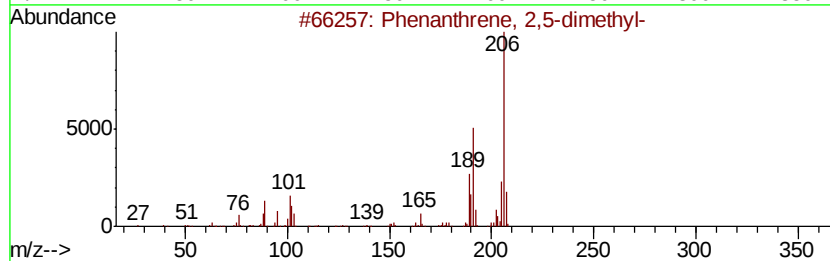
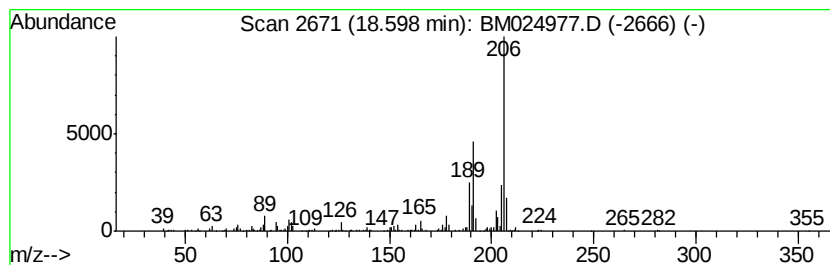
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.25 ng/ul	425911	Phenanthrene-d10	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
Data File : BM024977.D
Acq On : 20 Feb 2020 11:38
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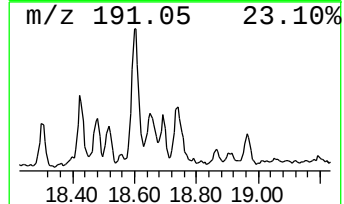
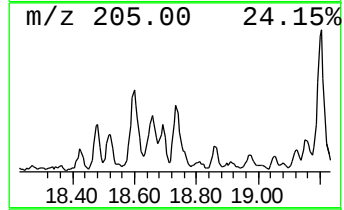
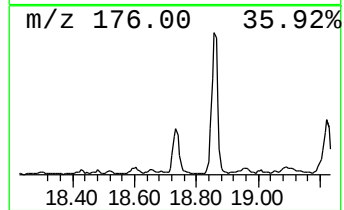
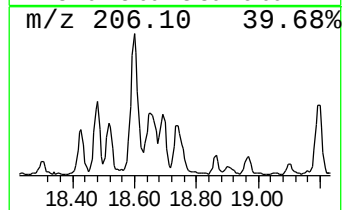
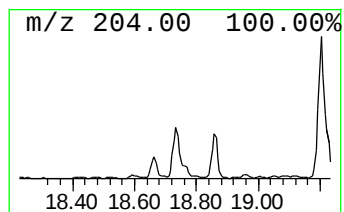
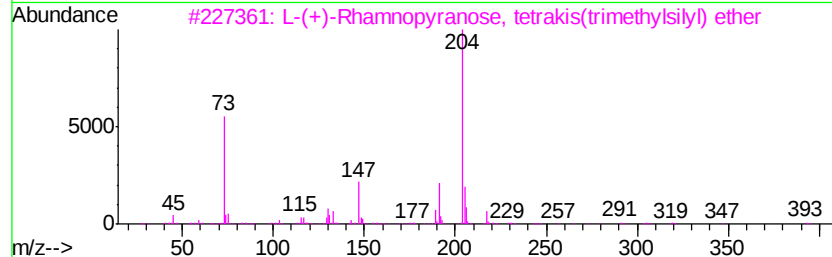
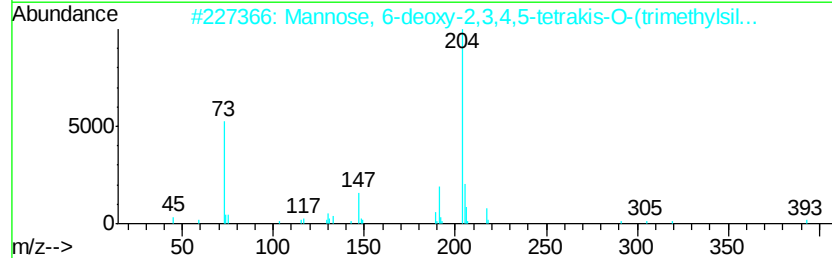
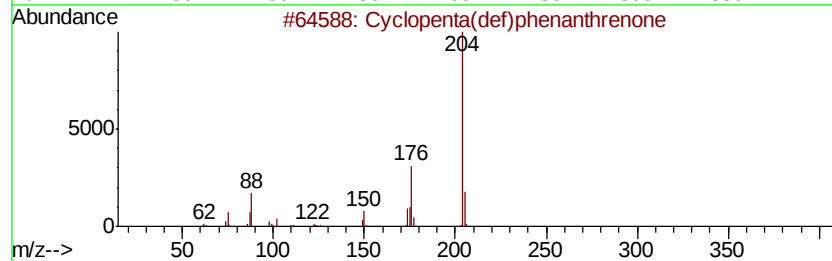
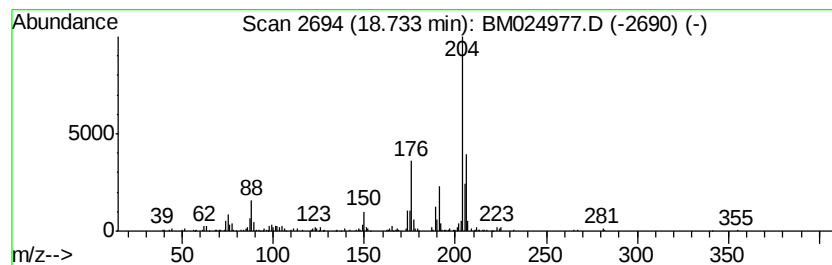
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.36 ng/ul	447023	Phenanthrene-d10	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
3		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
4		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
Data File : BM024977.D
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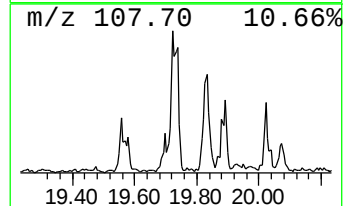
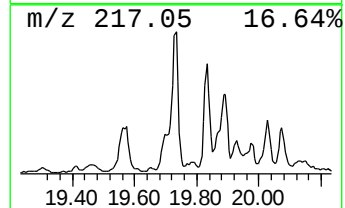
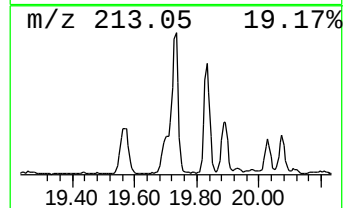
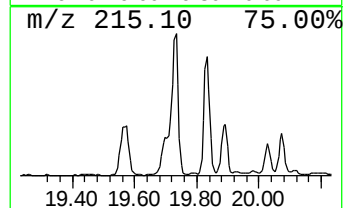
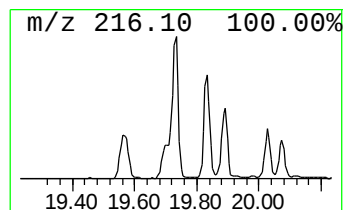
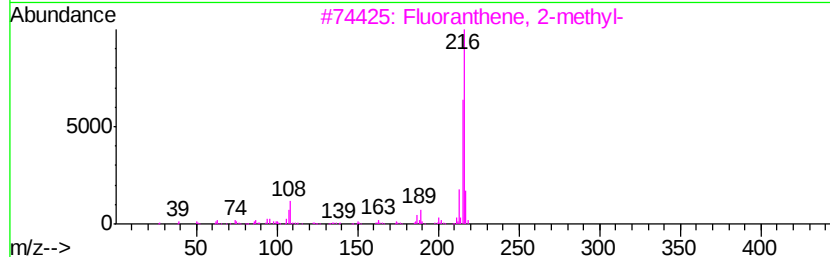
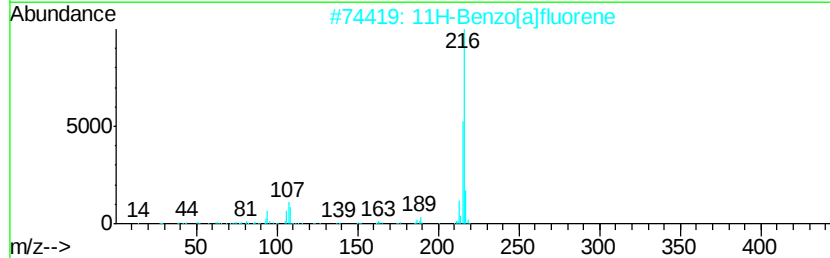
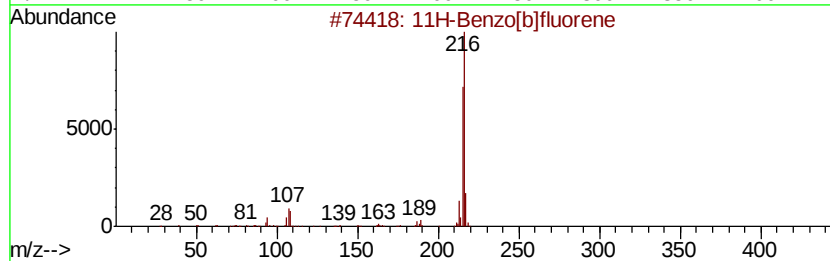
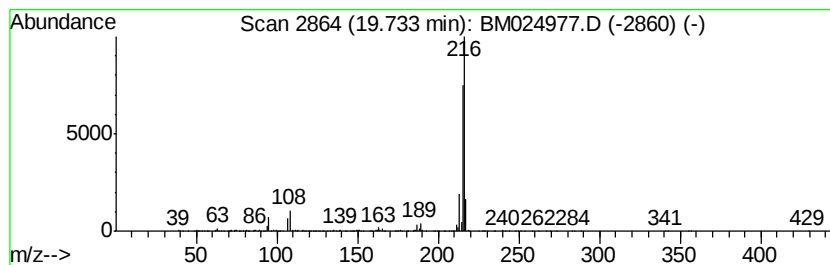
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	2.49 ng/ul	1210420	Chrysene-d12	21.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90



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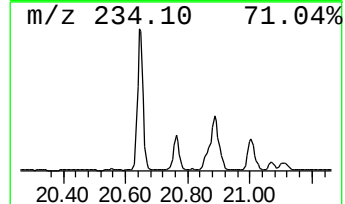
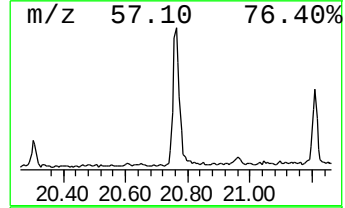
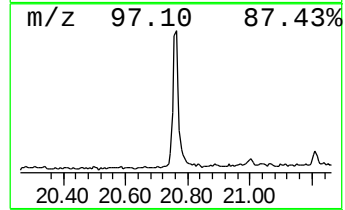
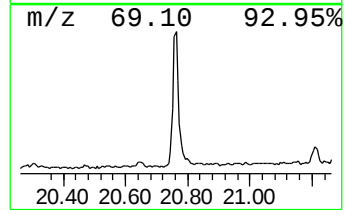
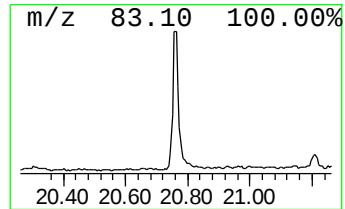
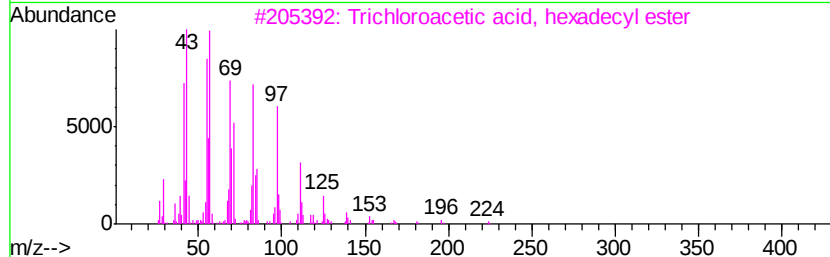
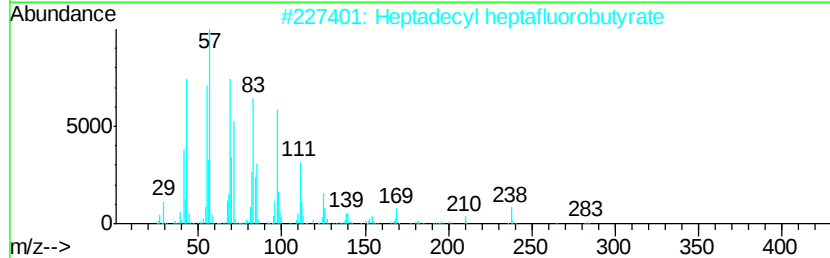
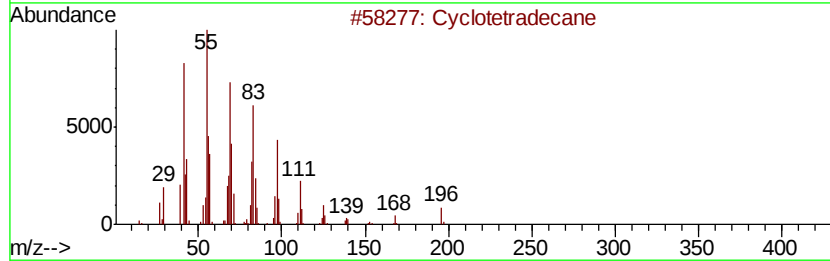
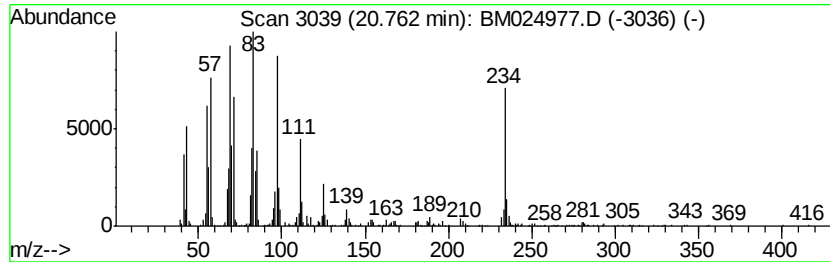
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic20.76 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.18 ng/ul	1545390	Chrysene-d12	21.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetradecane	196	C14H28	000295-17-0	90
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
4		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87
5		3-Octadecene, (E)-	252	C18H36	007206-19-1	86



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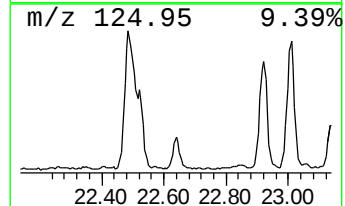
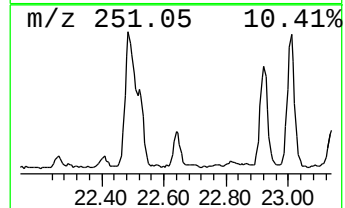
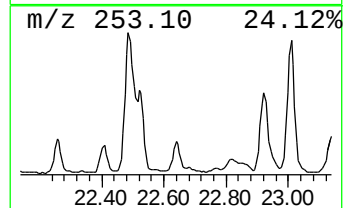
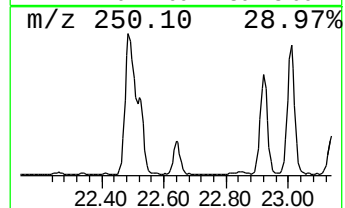
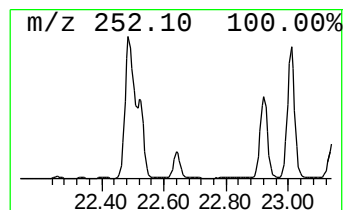
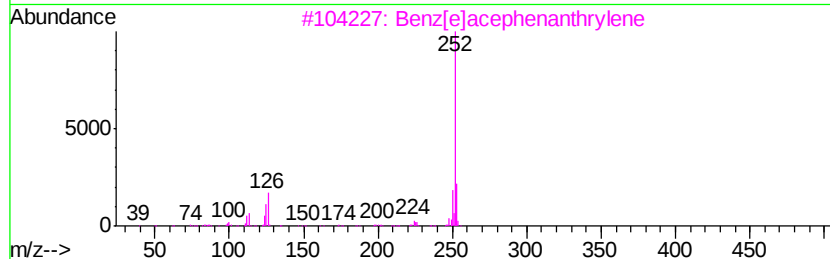
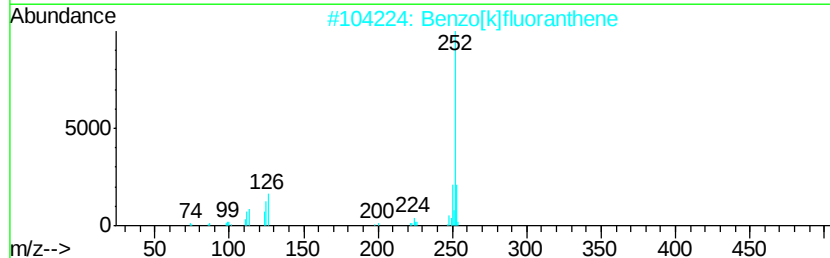
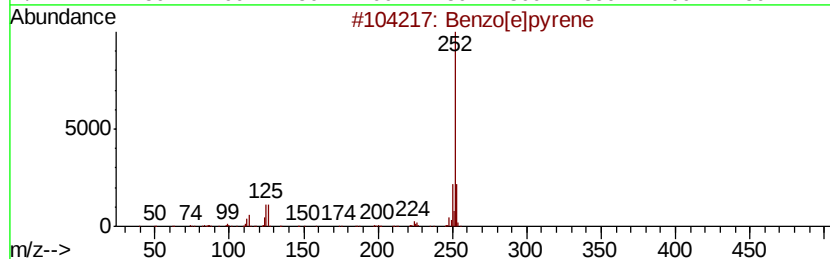
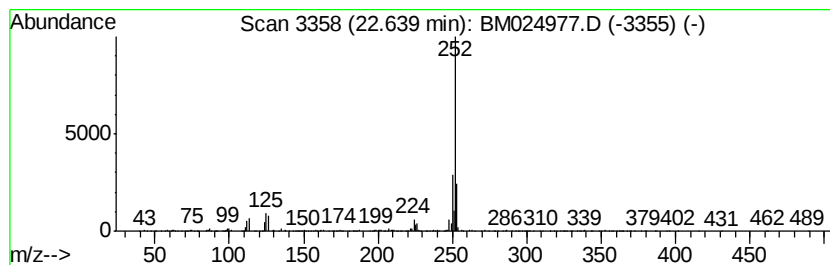
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	3.55 ng/ul	644108	Perylene-d12	23.10

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021920\
Data File : BM024977.D
Acq On : 20 Feb 2020 11:38
Operator : CG/JU
Sample : L1423-21
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C5B01

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
unknown-01	3.52	2.6	ng/ul	255938	1	7.39	1928350	20.0
Anthracene, 2-met...	17.66	2.9	ng/ul	549785	4	16.79	3794210	20.0
Phenanthrene, 1-m...	17.72	5.0	ng/ul	948464	4	16.79	3794210	20.0
4H-Cyclopenta[def...	17.86	6.2	ng/ul	1169690	4	16.79	3794210	20.0
Naphthalene, 2-ph...	18.17	2.4	ng/ul	453386	4	16.79	3794210	20.0
Phenanthrene, 2,5...	18.60	2.3	ng/ul	425911	4	16.79	3794210	20.0
Cyclopenta(def)ph...	18.73	2.4	ng/ul	447023	4	16.79	3794210	20.0
11H-Benzo[b]fluorene	19.73	2.5	ng/ul	1210420	5	21.00	9723820	20.0
(DEL) Alkane: Cyc...	20.76	3.2	ng/ul	1545390	5	21.00	9723820	20.0
Benzo[e]pyrene	22.64	3.5	ng/ul	644108	6	23.10	3628040	20.0