

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
 Data File : BM024905.D
 Acq On : 17 Feb 2020 10:49
 Operator : CG/JU
 Sample : L1404-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6W5

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	3.034	21	25	32	rBV	29205	52210	1.10%	0.082%
2	3.522	104	108	115	rVB	18297	34357	0.73%	0.054%
3	3.640	124	128	137	rVB4	14082	31193	0.66%	0.049%
4	3.722	137	142	149	rVV	26377	54848	1.16%	0.087%
5	4.598	285	291	300	rBV	41792	80067	1.69%	0.126%
6	6.592	619	630	642	rBV	665255	1136198	24.02%	1.792%
7	6.745	650	656	675	rVB	649512	1050560	22.21%	1.657%
8	6.934	681	688	698	rBV	816302	1314396	27.78%	2.074%
9	7.392	759	766	777	rBV	881952	1416514	29.94%	2.235%
10	8.104	881	887	900	rBV	654522	1063924	22.49%	1.678%
11	8.528	952	959	972	rBV	701992	1168483	24.70%	1.843%
12	8.716	987	991	996	rBV5	20220	35504	0.75%	0.056%
13	9.016	1034	1042	1049	rBV	103362	148337	3.14%	0.234%
14	9.239	1074	1080	1095	rBV	578262	983267	20.78%	1.551%
15	9.780	1165	1172	1184	rVV	813480	1444704	30.54%	2.279%
16	10.139	1226	1233	1240	rBV	1089062	1844866	39.00%	2.910%
17	10.192	1240	1242	1248	rVB2	41051	53091	1.12%	0.084%
18	10.286	1251	1258	1277	rBV	584356	1187428	25.10%	1.873%
19	11.751	1500	1507	1514	rBV2	14807	25589	0.54%	0.040%
20	11.822	1514	1519	1526	rBV2	20941	38571	0.82%	0.061%
21	12.045	1552	1557	1568	rVB2	21656	37763	0.80%	0.060%
22	12.898	1698	1702	1707	rVB2	16400	23264	0.49%	0.037%
23	13.357	1776	1780	1785	rVB3	22324	35058	0.74%	0.055%
24	13.463	1792	1798	1811	rVV	1575988	2236132	47.27%	3.528%
25	13.598	1818	1821	1830	rVB2	12060	22687	0.48%	0.036%
26	13.721	1835	1842	1855	rBV	1777284	2692460	56.91%	4.248%
27	14.039	1890	1896	1902	rVV	1671076	2394395	50.61%	3.777%
28	14.104	1902	1907	1911	rVV	58030	81811	1.73%	0.129%
29	14.268	1929	1935	1947	rBV	357255	713421	15.08%	1.125%
30	14.445	1959	1965	1970	rBV2	44239	79141	1.67%	0.125%
31	14.492	1970	1973	1977	rVV5	15203	23977	0.51%	0.038%
32	15.045	2060	2067	2072	rBV	2281791	3290695	69.56%	5.191%
33	15.098	2072	2076	2084	rVB2	87356	133825	2.83%	0.211%
34	15.174	2084	2089	2096	rBV	575569	843077	17.82%	1.330%

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35	15.280	2101	2107	2111	rVB3	23946	49162	1.04%	0.078%
36	15.404	2124	2128	2132	rBV	22228	28965	0.61%	0.046%
37	15.545	2148	2152	2159	rVV	22169	49760	1.05%	0.078%
38	16.109	2244	2248	2253	rVV4	23997	46195	0.98%	0.073%
39	16.157	2253	2256	2262	rVV5	23449	38331	0.81%	0.060%
40	16.362	2284	2291	2298	rVV4	75724	155917	3.30%	0.246%
41	16.457	2302	2307	2316	rVV2	32798	69946	1.48%	0.110%
42	16.551	2316	2323	2326	rVV5	21531	51365	1.09%	0.081%
43	16.609	2330	2333	2339	rVV	58450	84255	1.78%	0.133%
44	16.792	2358	2364	2368	rBV	1984330	2718656	57.46%	4.289%
45	16.833	2368	2371	2376	rVB	952858	1220827	25.80%	1.926%
46	16.892	2376	2381	2386	rBV	2314348	3208727	67.82%	5.062%
47	16.998	2395	2399	2404	rVB6	17226	27461	0.58%	0.043%
48	17.204	2430	2434	2440	rBV2	44956	77114	1.63%	0.122%
49	17.321	2451	2454	2457	rBV2	19945	26797	0.57%	0.042%
50	17.380	2461	2464	2468	rVB3	24819	33213	0.70%	0.052%
51	17.521	2483	2488	2493	rVB5	19115	32029	0.68%	0.051%
52	17.674	2509	2514	2518	rVV	153733	215546	4.56%	0.340%
53	17.721	2518	2522	2530	rVB	202237	309126	6.53%	0.488%
54	17.798	2530	2535	2540	rBV	50839	76015	1.61%	0.120%
55	17.862	2540	2546	2550	rVV2	208182	344191	7.28%	0.543%
56	17.903	2550	2553	2562	rVB	117197	164713	3.48%	0.260%
57	18.027	2571	2574	2579	rVV5	21391	40482	0.86%	0.064%
58	18.180	2596	2600	2604	rBV	108182	151483	3.20%	0.239%
59	18.309	2617	2622	2625	rBV3	20709	31630	0.67%	0.050%
60	18.433	2639	2643	2648	rBV3	38544	52613	1.11%	0.083%
61	18.486	2648	2652	2655	rBV2	38393	47749	1.01%	0.075%
62	18.527	2655	2659	2664	rVB	29715	40320	0.85%	0.064%
63	18.609	2668	2673	2677	rBV	106792	170754	3.61%	0.269%
64	18.662	2677	2682	2685	rBV2	51985	90304	1.91%	0.142%
65	18.745	2691	2696	2704	rVB3	68171	131667	2.78%	0.208%
66	18.862	2707	2716	2723	rBV	1442201	1978430	41.82%	3.121%
67	18.945	2727	2730	2732	rBV3	25967	26680	0.56%	0.042%
68	19.015	2740	2742	2747	rVB	24343	32534	0.69%	0.051%
69	19.203	2768	2774	2777	rVV	3005837	4730994	100.00%	7.463%
70	19.227	2777	2778	2783	rVB	1288771	1110000	23.46%	1.751%
71	19.309	2788	2792	2800	rVB4	71006	140081	2.96%	0.221%

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72	19.421	2806	2811	2814	rBV2	74939	110289	2.33%	0.174%
73	19.568	2830	2836	2843	rBV3	115904	282957	5.98%	0.446%
74	19.656	2848	2851	2854	rBV5	23308	33869	0.72%	0.053%
75	19.703	2855	2859	2861	rVV4	97399	150287	3.18%	0.237%
76	19.739	2861	2865	2869	rVB	180812	271604	5.74%	0.428%
77	19.809	2875	2877	2879	rBV2	41531	46072	0.97%	0.073%
78	19.839	2879	2882	2886	rVB	105237	125528	2.65%	0.198%
79	19.892	2886	2891	2896	rBV2	175166	281975	5.96%	0.445%
80	19.986	2903	2907	2909	rBV4	38535	49542	1.05%	0.078%
81	20.033	2911	2915	2919	rVB	121355	151183	3.20%	0.239%
82	20.080	2919	2923	2929	rBV	105087	155669	3.29%	0.246%
83	20.315	2960	2963	2966	rBV3	54313	68298	1.44%	0.108%
84	20.492	2989	2993	2999	rVB	107924	181029	3.83%	0.286%
85	20.650	3017	3020	3024	rVB	93319	114852	2.43%	0.181%
86	20.697	3024	3028	3030	rBV	151405	222018	4.69%	0.350%
87	20.768	3036	3040	3044	rBV3	434936	685617	14.49%	1.082%
88	20.809	3044	3047	3053	rVB	474778	564553	11.93%	0.891%
89	21.003	3073	3080	3084	rBV2	2724661	4411384	93.24%	6.959%
90	21.044	3084	3087	3095	rVB	801999	1060929	22.43%	1.674%
91	21.215	3113	3116	3119	rBV	168035	175336	3.71%	0.277%
92	21.633	3184	3187	3194	rBV3	255159	359116	7.59%	0.567%
93	22.068	3258	3261	3266	rVB	227022	245310	5.19%	0.387%
94	22.491	3328	3333	3337	rBV	711584	1429256	30.21%	2.255%
95	22.533	3338	3340	3344	rVB2	538790	704405	14.89%	1.111%
96	22.927	3403	3407	3410	rBV	367267	555184	11.74%	0.876%
97	22.974	3410	3415	3420	rVV	2144659	3457785	73.09%	5.455%
98	23.062	3427	3430	3432	rBV	204904	251601	5.32%	0.397%
99	23.103	3432	3437	3443	rVB	1847464	2952734	62.41%	4.658%
100	23.650	3527	3530	3536	rVB	446447	714748	15.11%	1.128%

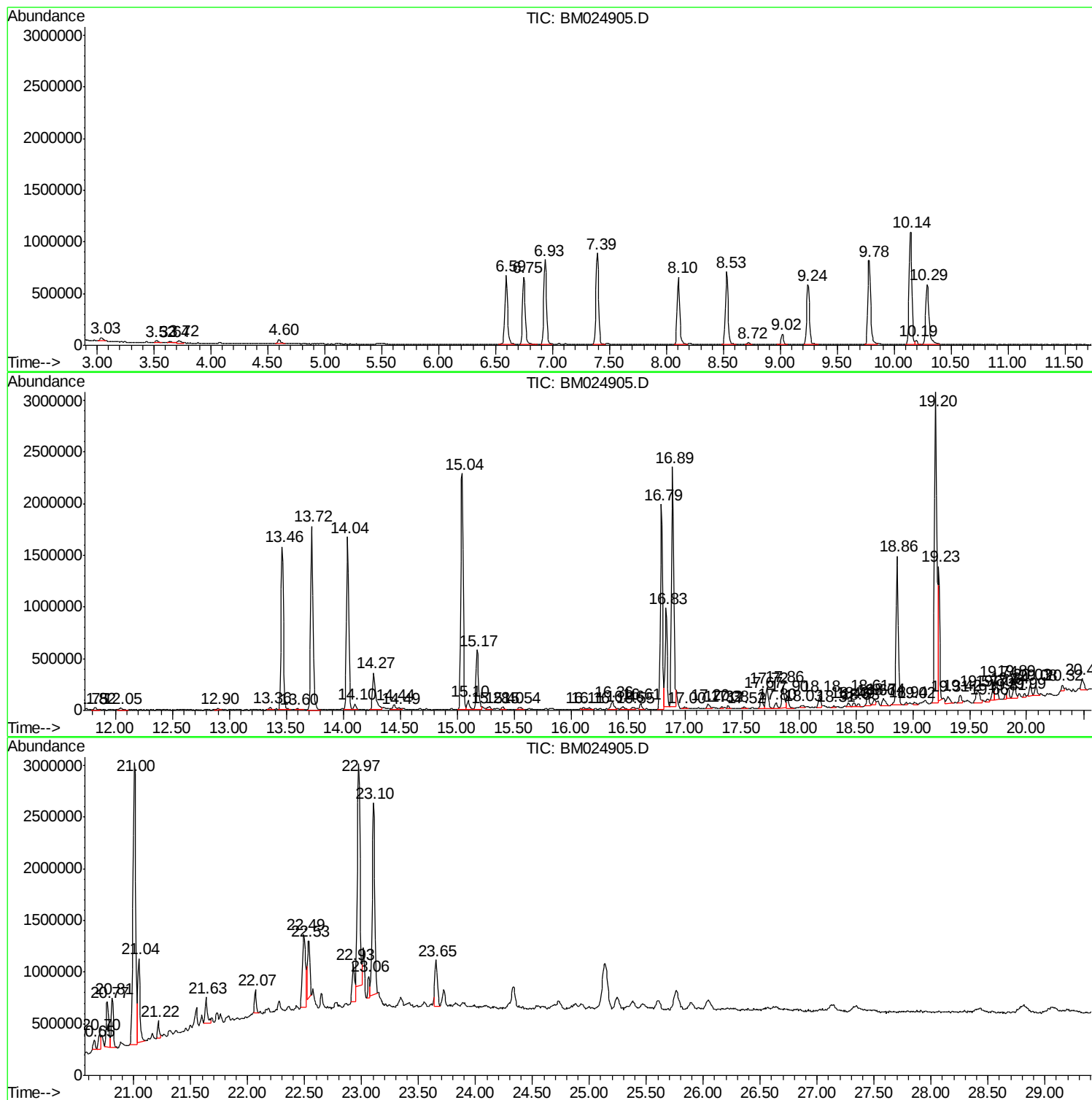
Sum of corrected areas: 63388975

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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



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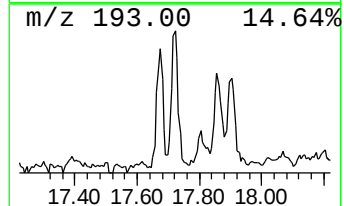
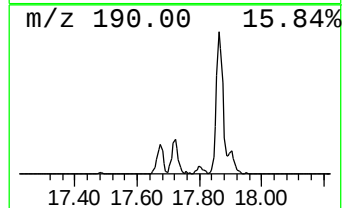
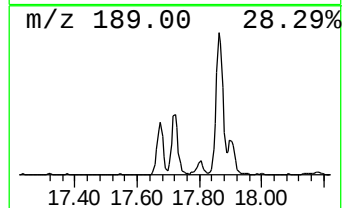
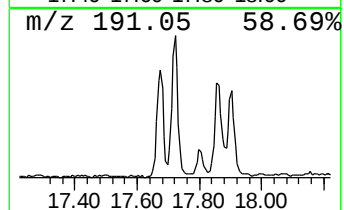
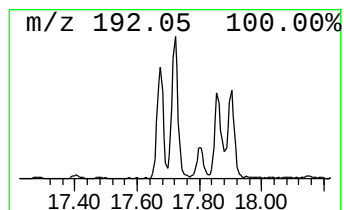
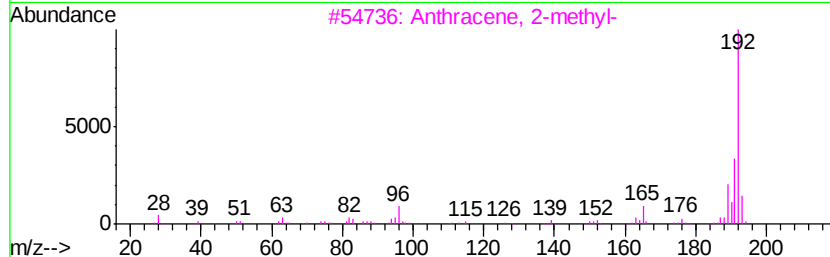
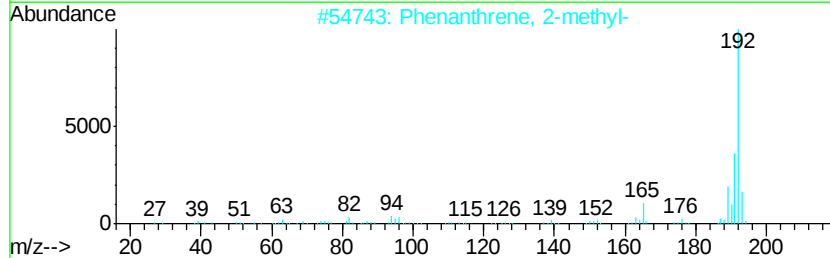
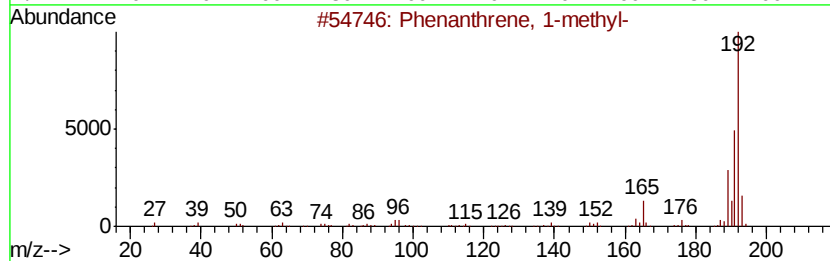
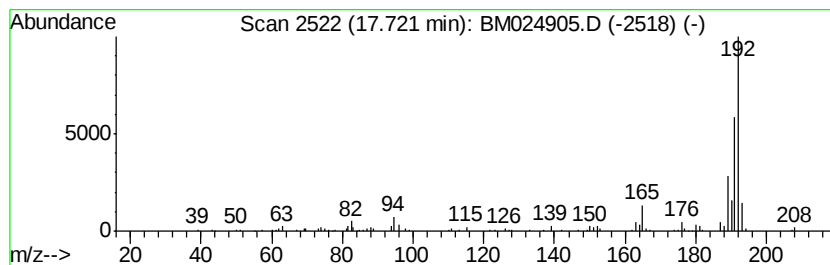
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	2.27 ng/ul	309126	Phenanthrene-d10	16.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



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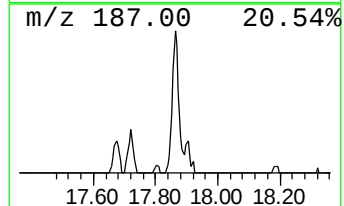
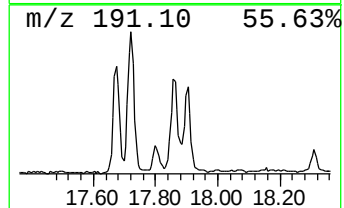
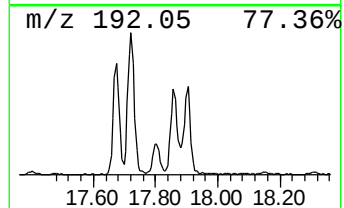
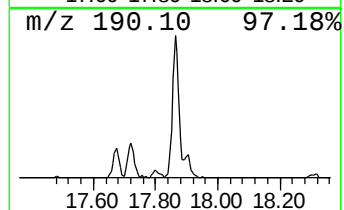
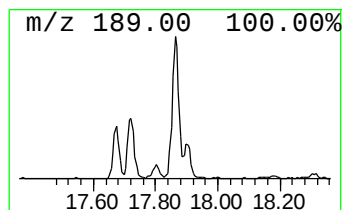
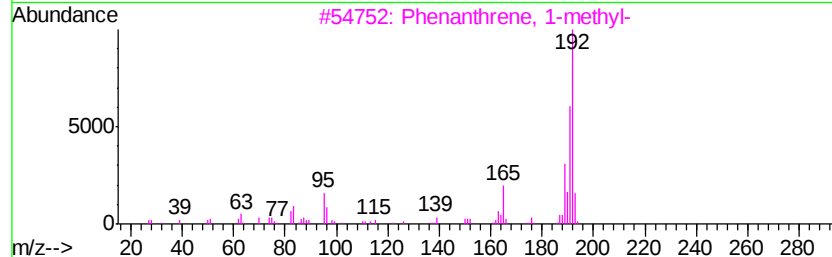
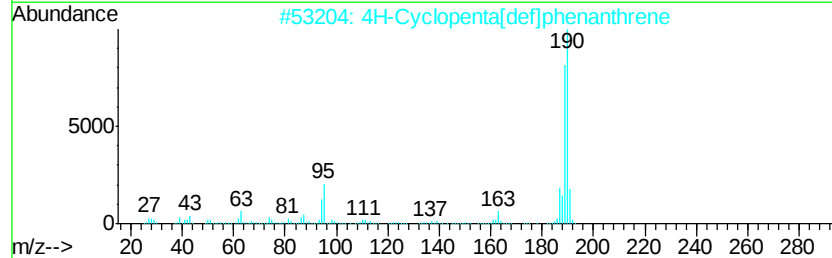
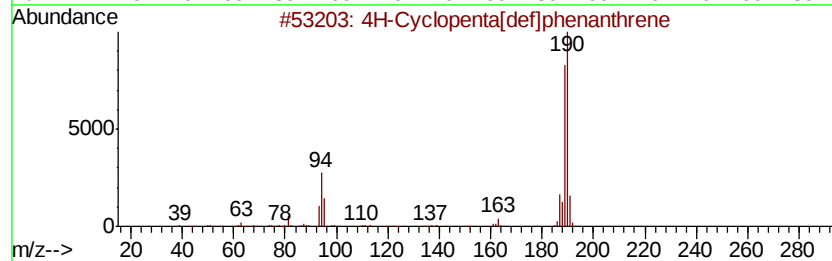
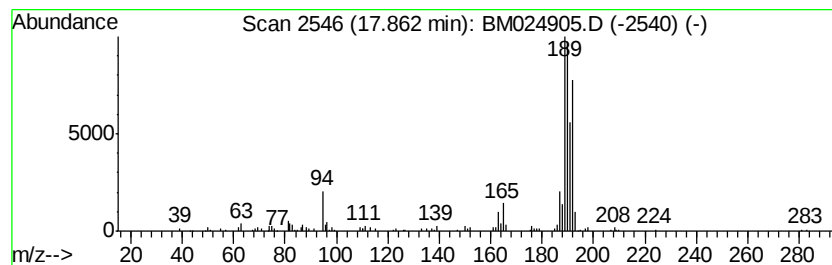
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	2.53 ng/ul	344191	Phenanthrene-d10	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	35



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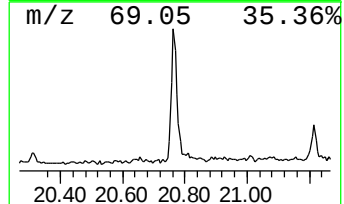
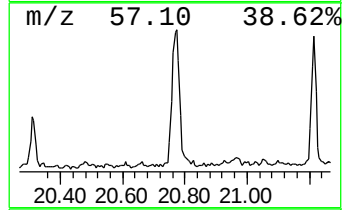
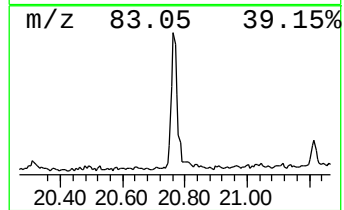
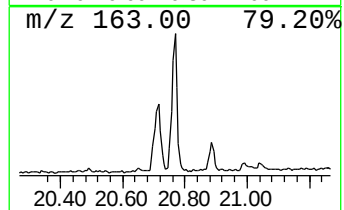
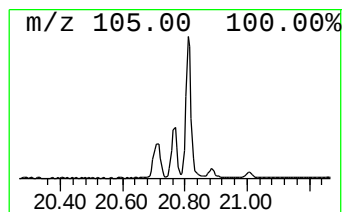
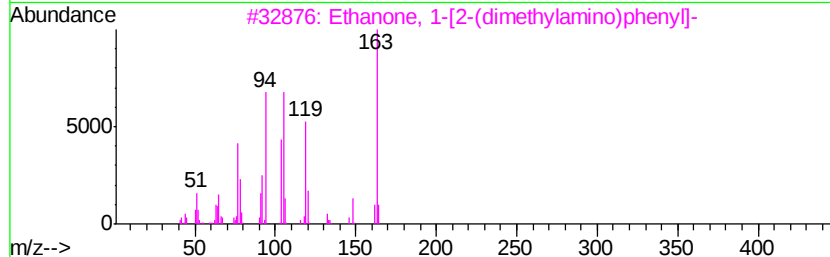
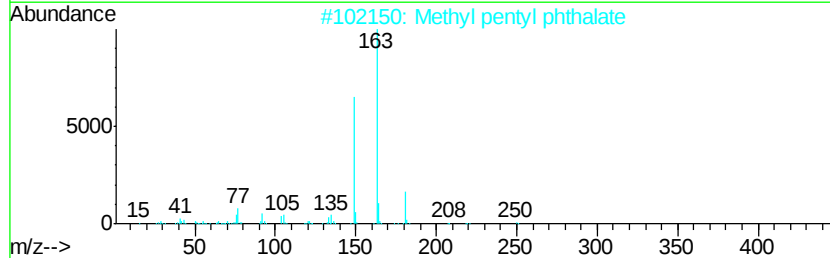
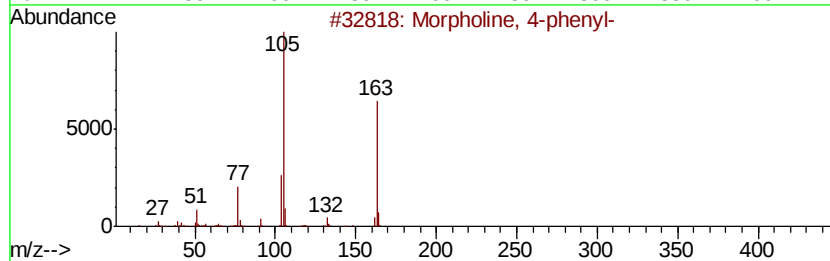
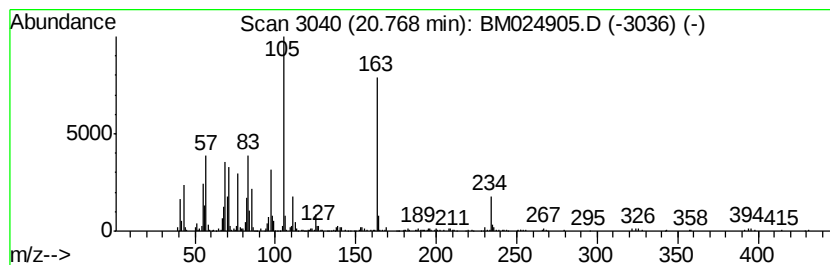
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.77	3.11 ng/ul	685617	Chrysene-d12	21.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	25
2		Methyl pentyl phthalate	250	C14H18O4	1000373-89-5	22
3		Ethanone, 1-[2-(dimethylamino)ph...	163	C10H13NO	010336-55-7	16
4		Heptyl methyl phthalate	278	C16H22O4	1000373-88-4	16
5		Phthalic acid, 4-fluoro-2-nitrop...	319	C15H10FN06	1000315-63-4	16



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024905.D
Acq On : 17 Feb 2020 10:49
Operator : CG/JU
Sample : L1404-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
CB6W5

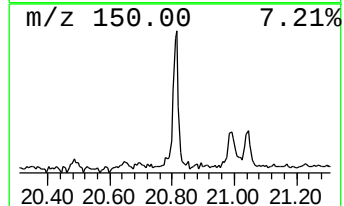
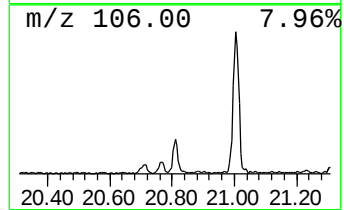
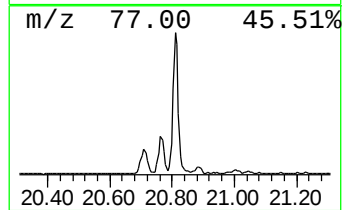
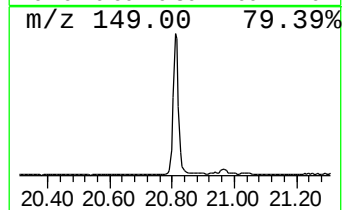
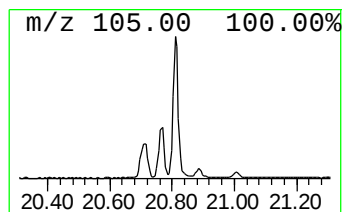
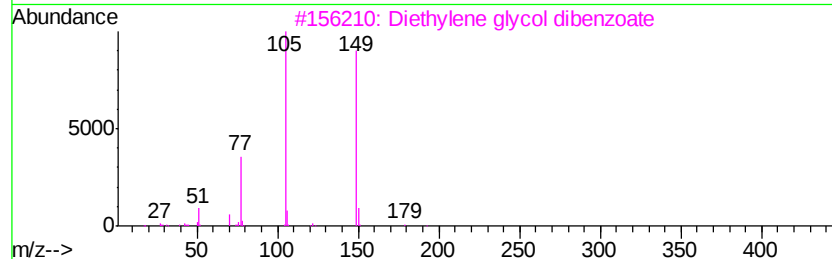
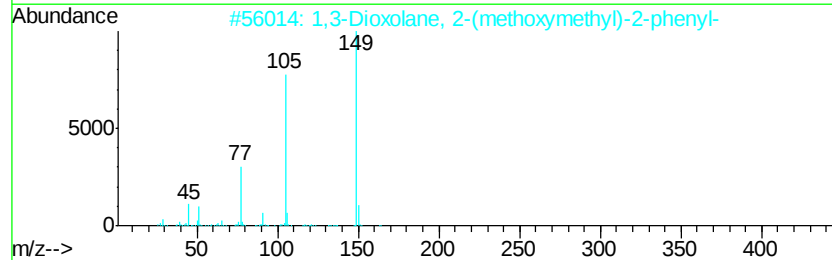
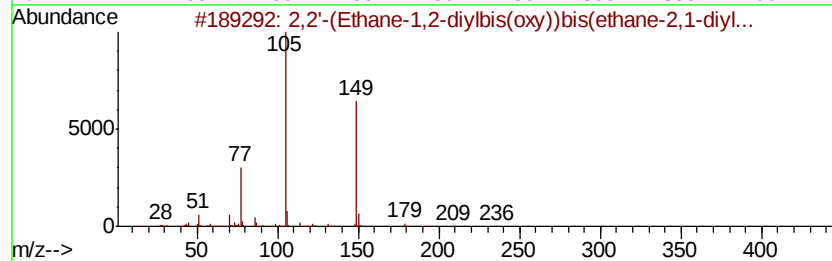
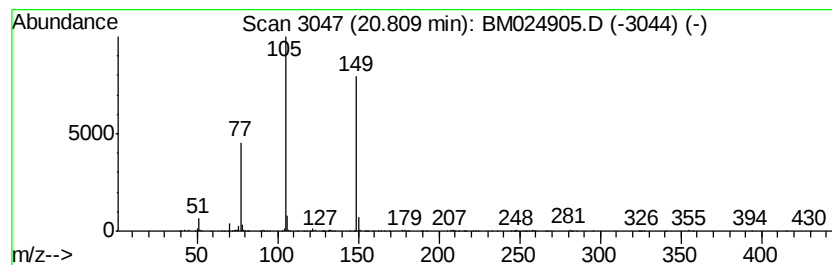
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.56 ng/ul	564553	Chrysene-d12	21.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2'-(Ethane-1,2-diylbis(oxv))bi...	358	C20H22O6	1000366-99-4	64
2		1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	64
3		Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	53
4		Phthalic acid, ethyl isopropyl e...	236	C13H16O4	1000314-99-6	43
5		Phthalic acid, 2-methylpent-3-yl...	292	C17H24O4	1000356-90-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024905.D
Acq On : 17 Feb 2020 10:49
Operator : CG/JU
Sample : L1404-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6W5

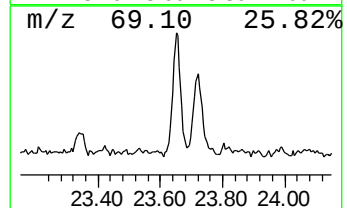
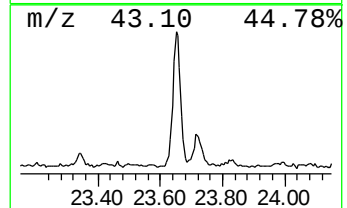
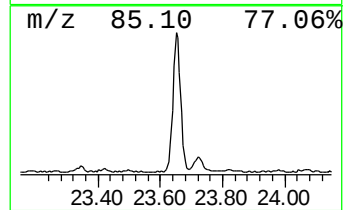
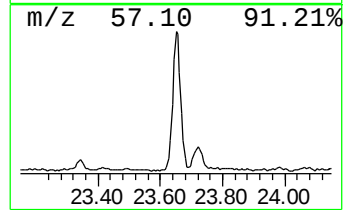
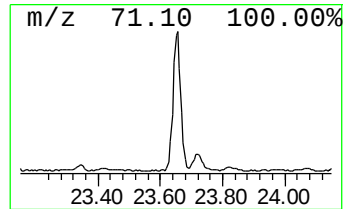
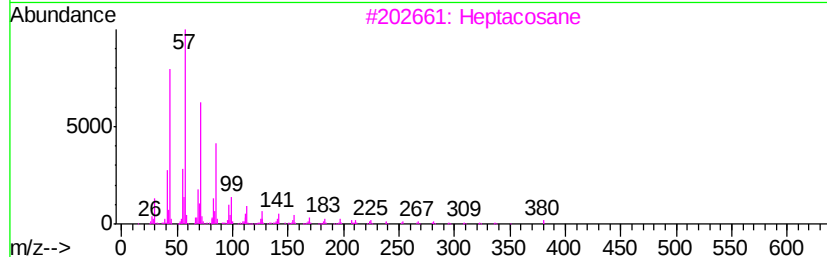
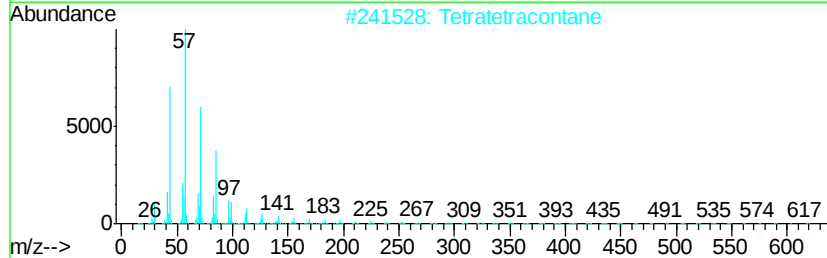
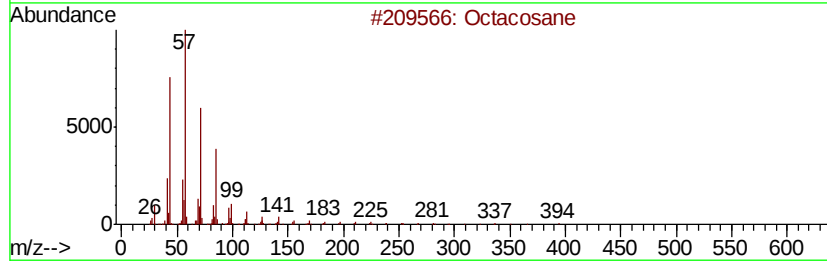
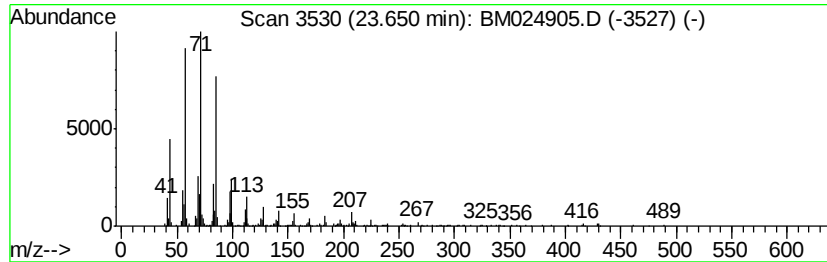
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.65	4.84 ng/ul	714748	Perylene-d12	23.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Tetratetracontane	619	C44H90	007098-22-8	91
3		Heptacosane	380	C27H56	000593-49-7	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021720\
Data File : BM024905.D
Acq On : 17 Feb 2020 10:49
Operator : CG/JU
Sample : L1404-18
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6W5

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, 1-m...	17.72	2.3	ng/ul	309126	4	16.79	2718660	20.0
4H-Cyclopenta[def...	17.86	2.5	ng/ul	344191	4	16.79	2718660	20.0
unknown-01	20.77	3.1	ng/ul	685617	5	21.01	4411380	20.0
2,2'-(Ethane-1,2-...	20.81	2.6	ng/ul	564553	5	21.01	4411380	20.0
(DEL) Alkane: Str...	23.65	4.8	ng/ul	714748	6	23.10	2952730	20.0