

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
 Data File : BM021680.D
 Acq On : 27 Jul 2019 09:29
 Operator : HP/JU
 Sample : K3893-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP11

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-BM072619MA.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	6.857	653	658	670	rVB	426364	705926	19.06%	1.285%
2	7.028	682	687	699	rVB	334097	547312	14.78%	0.996%
3	7.216	713	719	726	rVB	493748	772057	20.84%	1.406%
4	7.681	792	798	807	rVB	419937	657072	17.74%	1.196%
5	8.386	913	918	928	rVB	478455	766328	20.69%	1.395%
6	8.845	990	996	1008	rVB	466908	779016	21.03%	1.418%
7	9.557	1111	1117	1127	rVB	378807	624197	16.85%	1.136%
8	10.086	1201	1207	1223	rVB	566322	1041378	28.11%	1.896%
9	10.463	1264	1271	1277	rBV	569265	921269	24.87%	1.677%
10	10.622	1291	1298	1313	rBV	240825	518603	14.00%	0.944%
11	11.680	1475	1478	1483	rVB3	5083	7935	0.21%	0.014%
12	12.010	1529	1534	1539	rBV2	36763	62770	1.69%	0.114%
13	12.063	1541	1543	1549	rVB2	9160	10354	0.28%	0.019%
14	12.139	1552	1556	1560	rBV4	5883	9249	0.25%	0.017%
15	12.357	1589	1593	1597	rVB5	6823	11964	0.32%	0.022%
16	12.921	1686	1689	1693	rVB2	5899	8290	0.22%	0.015%
17	13.645	1807	1812	1817	rVB4	5674	10640	0.29%	0.019%
18	13.745	1823	1829	1833	rVV	1144163	1561086	42.14%	2.842%
19	13.792	1833	1837	1844	rVB	236690	334099	9.02%	0.608%
20	14.015	1869	1875	1891	rVB	1320858	2005991	54.16%	3.652%
21	14.215	1905	1909	1913	rVB3	6945	9501	0.26%	0.017%
22	14.327	1921	1928	1934	rBV	852812	1253732	33.85%	2.283%
23	14.392	1934	1939	1947	rVB	38198	61309	1.66%	0.112%
24	14.557	1961	1967	1980	rBV	117669	289254	7.81%	0.527%
25	14.733	1991	1997	2002	rBV2	20543	34253	0.92%	0.062%
26	15.098	2053	2059	2060	rBV2	6523	9370	0.25%	0.017%
27	15.115	2060	2062	2066	rVV2	11718	16549	0.45%	0.030%
28	15.168	2066	2071	2074	rVV3	10623	15074	0.41%	0.027%
29	15.321	2091	2097	2104	rBV	1707587	2488132	67.17%	4.530%
30	15.380	2104	2107	2112	rVV2	44975	65516	1.77%	0.119%
31	15.462	2116	2121	2127	rBV	235185	345661	9.33%	0.629%
32	15.504	2127	2128	2132	rVV4	18028	16612	0.45%	0.030%
33	15.539	2132	2134	2135	rVV2	10832	9529	0.26%	0.017%
34	15.562	2135	2138	2143	rVV2	19585	35981	0.97%	0.066%

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35	15.615	2143	2147	2153	rVV5	11749	23280	0.63%	0.042%
36	15.674	2153	2157	2163	rVV	13720	21965	0.59%	0.040%
37	15.821	2179	2182	2189	rVB	12829	19490	0.53%	0.035%
38	15.915	2194	2198	2202	rVV	10007	11875	0.32%	0.022%
39	16.033	2215	2218	2220	rBV4	15389	21875	0.59%	0.040%
40	16.157	2234	2239	2242	rBV7	5483	9711	0.26%	0.018%
41	16.186	2242	2244	2248	rVV4	7067	8767	0.24%	0.016%
42	16.386	2269	2278	2282	rBV7	16063	42113	1.14%	0.077%
43	16.433	2282	2286	2290	rVV4	10457	18493	0.50%	0.034%
44	16.480	2292	2294	2300	rVV7	12009	17156	0.46%	0.031%
45	16.533	2300	2303	2306	rVV4	6398	8918	0.24%	0.016%
46	16.609	2309	2316	2319	rBV4	14810	25808	0.70%	0.047%
47	16.651	2320	2323	2327	rVB5	11963	15585	0.42%	0.028%
48	16.745	2333	2339	2344	rBV2	31687	53020	1.43%	0.097%
49	16.827	2346	2353	2358	rVV8	21726	53488	1.44%	0.097%
50	16.868	2358	2360	2361	rVV2	10532	9213	0.25%	0.017%
51	16.898	2361	2365	2372	rVB	41701	63372	1.71%	0.115%
52	16.974	2372	2378	2385	rBV7	21837	51719	1.40%	0.094%
53	17.080	2390	2396	2399	rBV	1008789	1416194	38.23%	2.578%
54	17.121	2399	2403	2407	rVB	795265	1056255	28.52%	1.923%
55	17.180	2407	2413	2417	rBV	1846756	2586702	69.83%	4.709%
56	17.286	2428	2431	2439	rVB2	30226	52639	1.42%	0.096%
57	17.492	2459	2466	2474	rBV2	93413	190068	5.13%	0.346%
58	17.598	2481	2484	2491	rBV2	23353	39229	1.06%	0.071%
59	17.662	2491	2495	2500	rBV4	25104	47195	1.27%	0.086%
60	17.851	2525	2527	2535	rVB9	16418	32060	0.87%	0.058%
61	17.968	2540	2547	2550	rBV2	257466	498530	13.46%	0.908%
62	18.003	2550	2553	2558	rVB	191286	271051	7.32%	0.493%
63	18.086	2563	2567	2572	rVV	61499	103127	2.78%	0.188%
64	18.145	2572	2577	2581	rVV2	224043	395391	10.67%	0.720%
65	18.186	2581	2584	2591	rVB	104686	154275	4.16%	0.281%
66	18.456	2626	2630	2634	rBV	95215	137115	3.70%	0.250%
67	18.509	2635	2639	2647	rVB	194347	282201	7.62%	0.514%
68	18.703	2669	2672	2677	rVB3	40904	46870	1.27%	0.085%
69	18.756	2678	2681	2684	rVB	31198	33987	0.92%	0.062%
70	18.874	2697	2701	2706	rBV	95563	166193	4.49%	0.303%
71	19.027	2722	2727	2734	rBV2	77168	139136	3.76%	0.253%

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72	19.145	2741	2747	2752	rVB	2329619	3178064	85.80%	5.786%
73	19.256	2762	2766	2770	rBV3	88325	130470	3.52%	0.238%
74	19.480	2798	2804	2806	rBV	2648079	3704091	100.00%	6.744%
75	19.509	2806	2809	2817	rVV	1995525	2631866	71.05%	4.792%
76	19.580	2817	2821	2826	rVB2	100112	150898	4.07%	0.275%
77	19.686	2836	2839	2845	rBV	83170	108221	2.92%	0.197%
78	19.827	2859	2863	2872	rBV4	127103	293820	7.93%	0.535%
79	20.003	2883	2893	2898	rBV	286179	632052	17.06%	1.151%
80	20.103	2906	2910	2914	rBV	222187	275604	7.44%	0.502%
81	20.156	2914	2919	2923	rBV2	183008	307253	8.29%	0.559%
82	20.303	2940	2944	2947	rBV	120018	162286	4.38%	0.295%
83	20.350	2948	2952	2956	rVV	117203	166740	4.50%	0.304%
84	20.756	3017	3021	3027	rVB	190532	243120	6.56%	0.443%
85	20.915	3045	3048	3052	rBV2	220270	255422	6.90%	0.465%
86	20.956	3052	3055	3056	rVV	206644	212872	5.75%	0.388%
87	20.980	3057	3059	3067	rVV3	330127	700644	18.92%	1.276%
88	21.050	3069	3071	3077	rVB	191278	241073	6.51%	0.439%
89	21.268	3101	3108	3112	rBV3	1648506	3483624	94.05%	6.342%
90	21.309	3112	3115	3125	rVB	1226919	1577113	42.58%	2.871%
91	21.421	3131	3134	3141	rVB2	209330	267459	7.22%	0.487%
92	21.839	3202	3205	3209	rVB	551048	576372	15.56%	1.049%
93	22.303	3281	3284	3290	rBV3	159345	215568	5.82%	0.392%
94	22.803	3365	3369	3371	rBV	581660	819412	22.12%	1.492%
95	22.838	3371	3375	3380	rVV	768205	1573702	42.49%	2.865%
96	23.315	3451	3456	3459	rBV	632003	1095130	29.57%	1.994%
97	23.362	3459	3464	3468	rVV	1706361	3048942	82.31%	5.551%
98	23.409	3468	3472	3481	rVB	975718	1679814	45.35%	3.058%
99	23.503	3483	3488	3493	rBV	814590	1485542	40.11%	2.705%
100	25.744	3864	3869	3882	rVB	591621	1580130	42.66%	2.877%

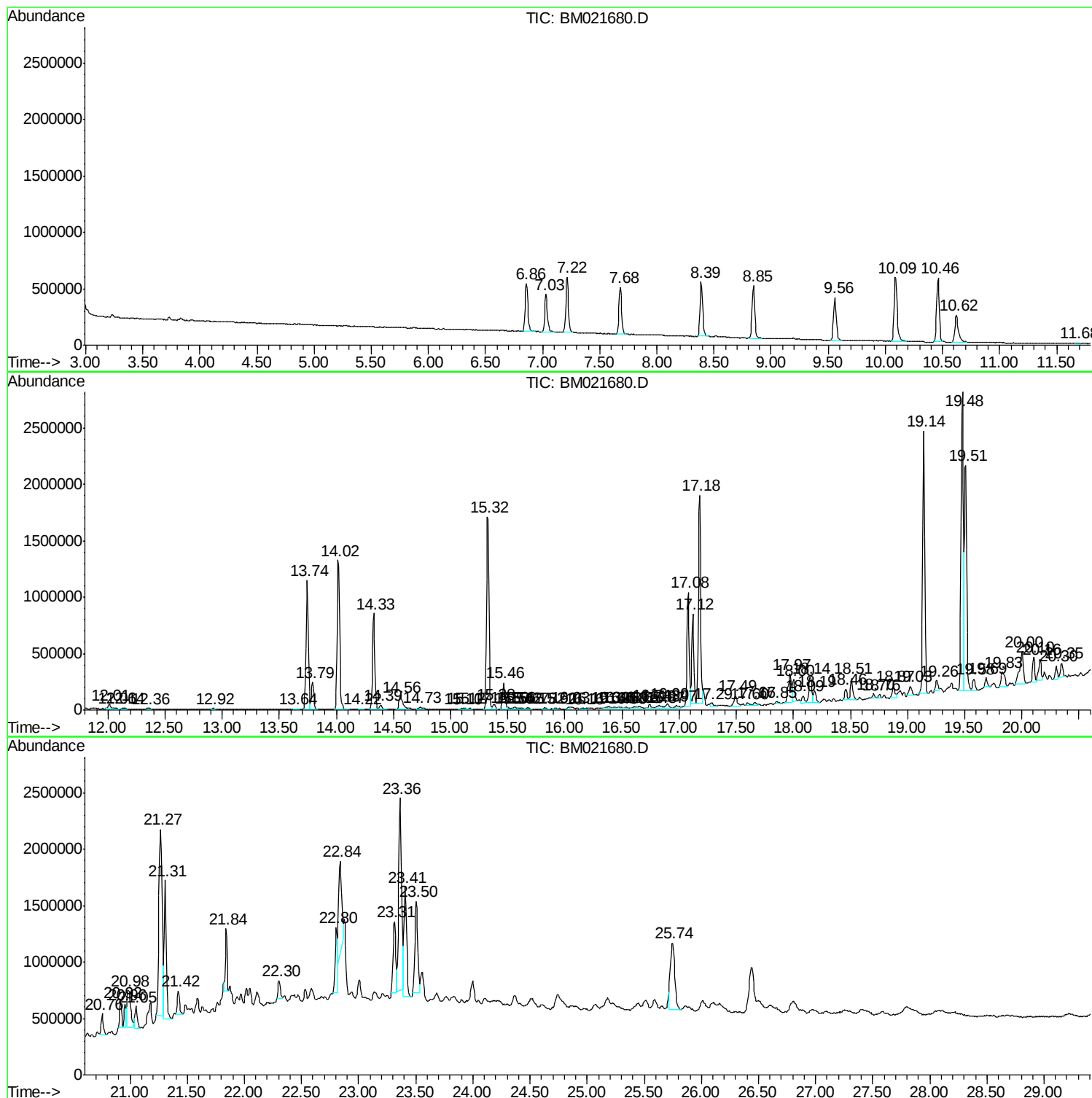
Sum of corrected areas: 54927379

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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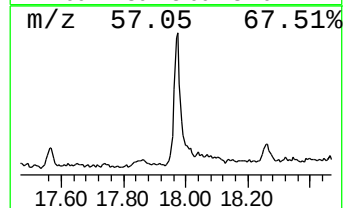
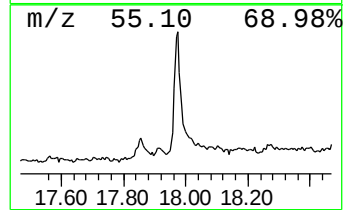
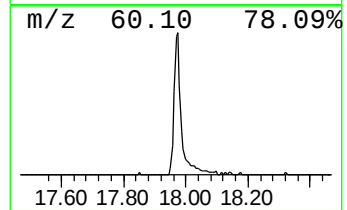
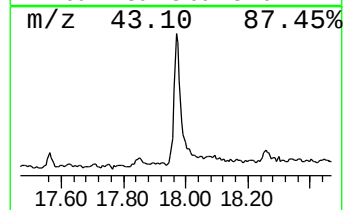
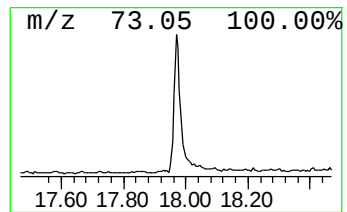
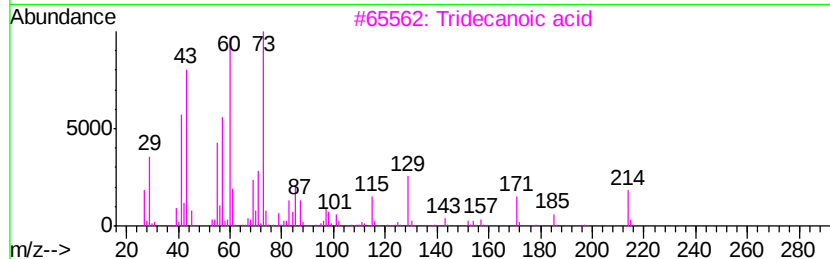
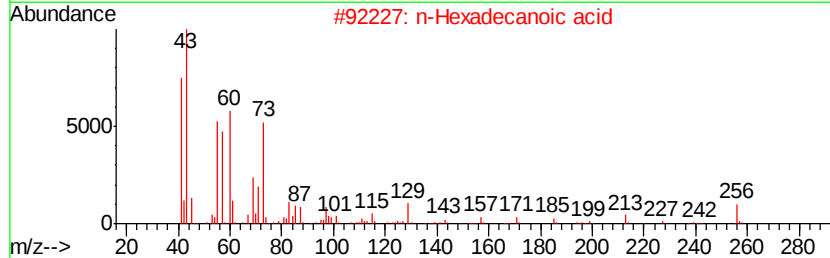
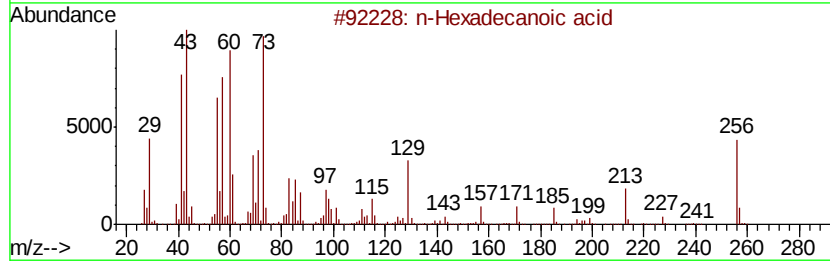
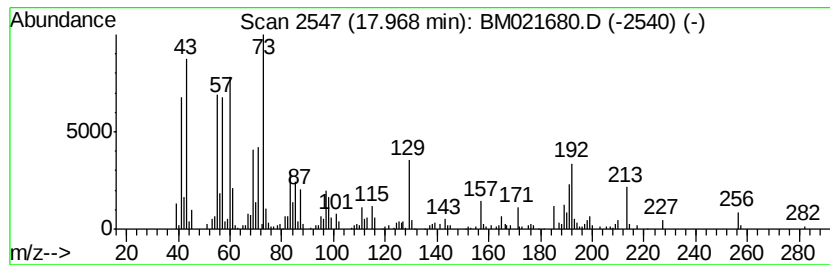
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.97	7.04 ng/ul	498530	Phenanthrene-d10	17.08		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	92
3	Tridecanoic acid		214	C13H26O2	000638-53-9	64
4	Tridecanoic acid		214	C13H26O2	000638-53-9	64
5	Tetradecanoic acid		228	C14H28O2	000544-63-8	62



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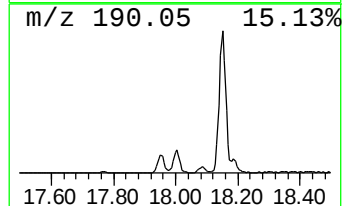
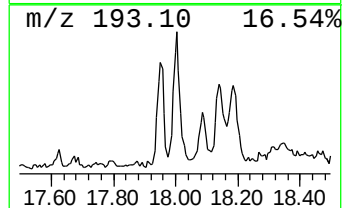
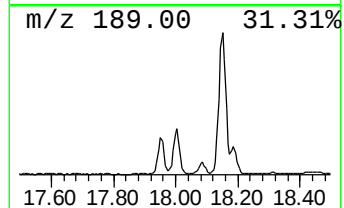
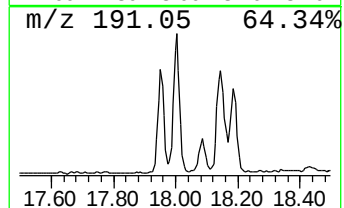
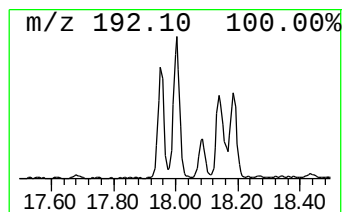
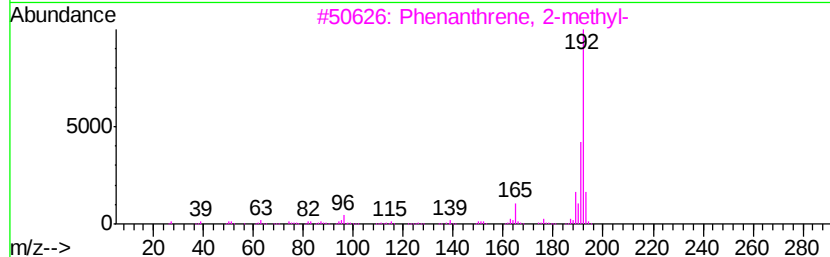
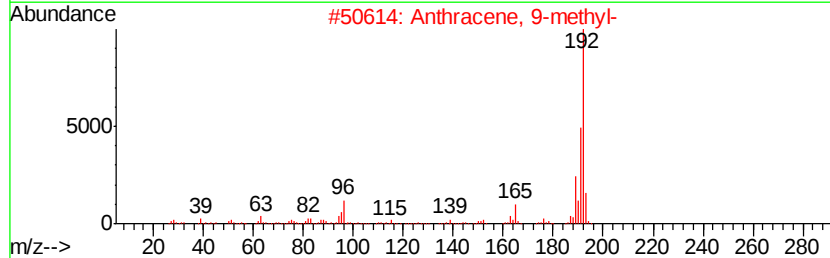
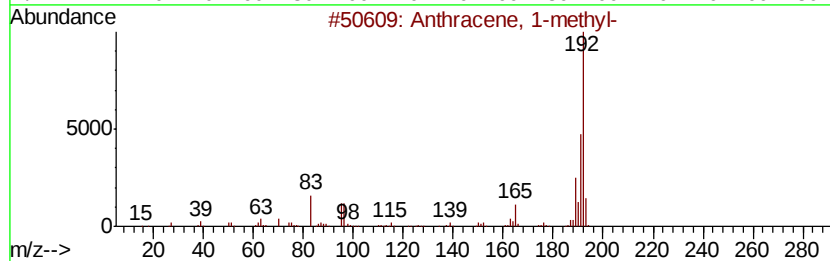
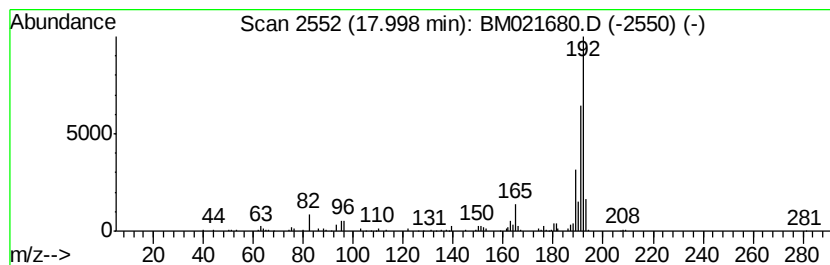
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	3.83 ng/ul	271051	Phenanthrene-d10	17.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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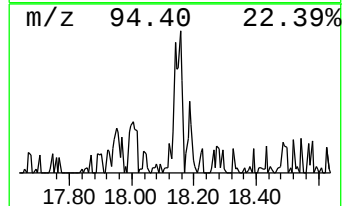
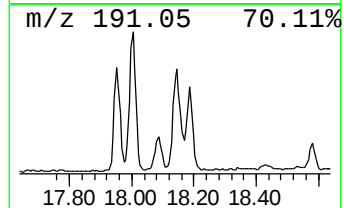
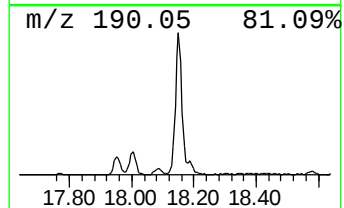
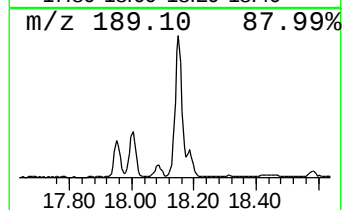
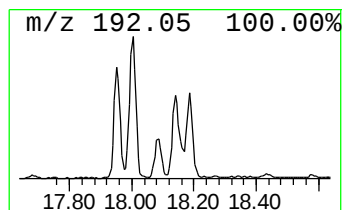
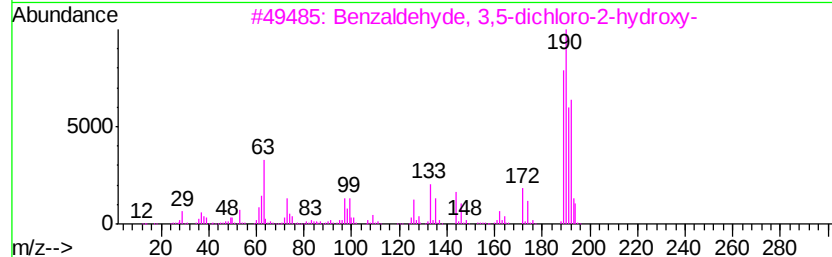
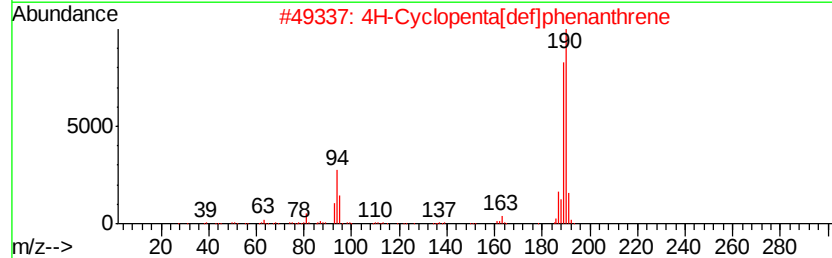
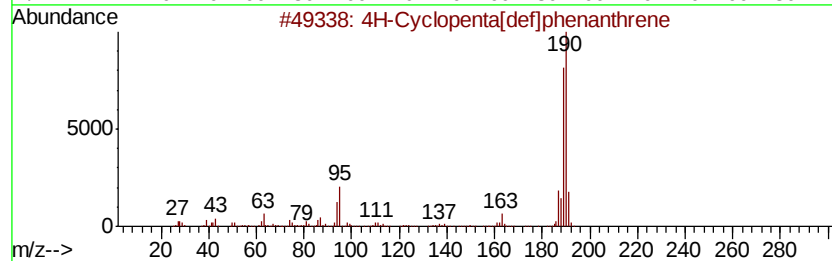
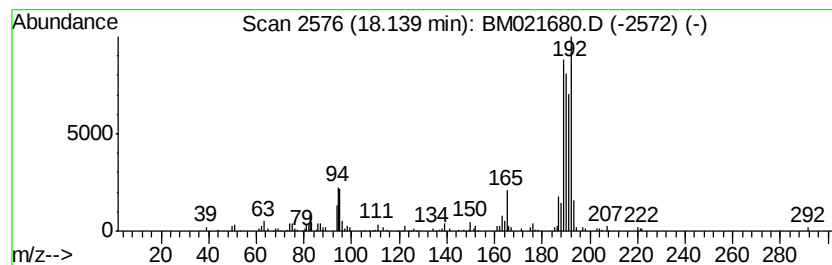
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TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	5.58 ng/ul	395391	Phenanthrene-d10	17.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
Operator : HP/JU
Sample : K3893-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP11

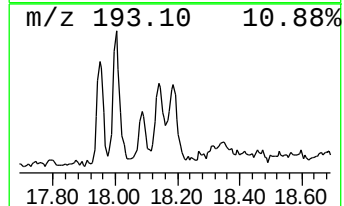
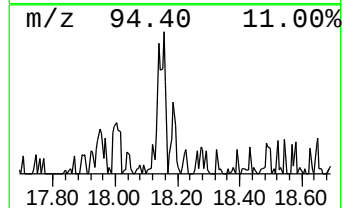
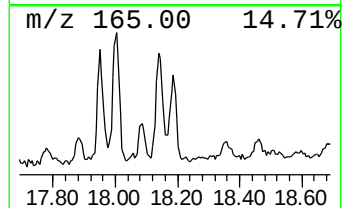
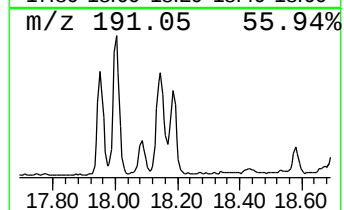
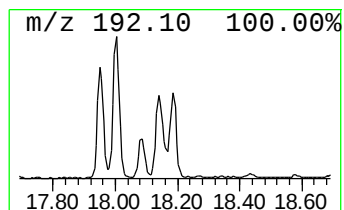
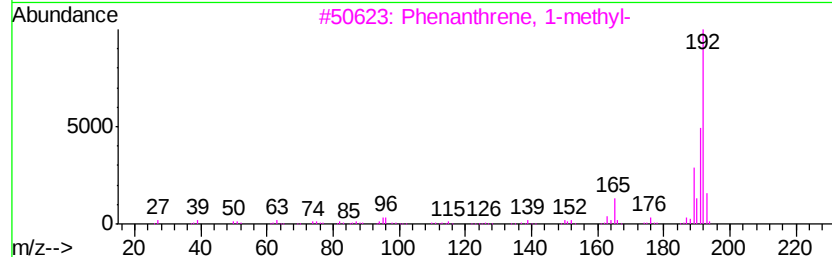
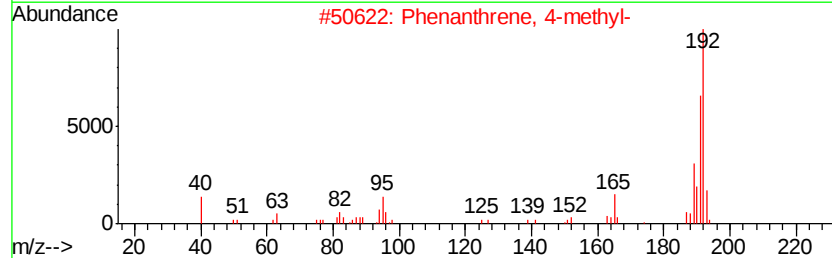
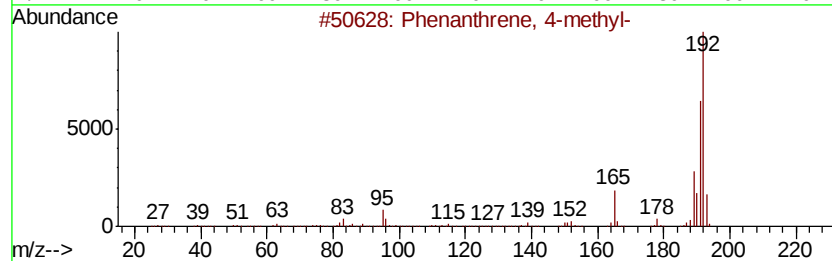
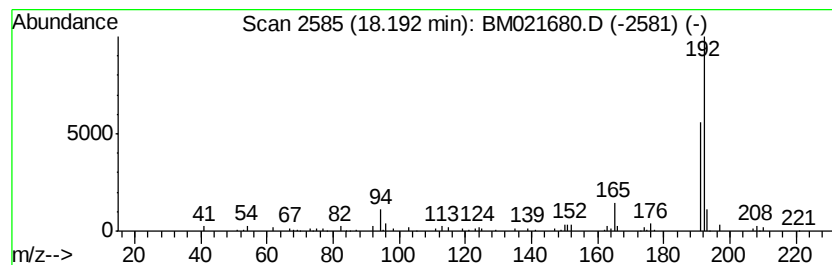
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.18 ng/ul	154275	Phenanthrene-d10	17.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87	
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86	
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81	
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76	
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	74	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
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Sample : K3893-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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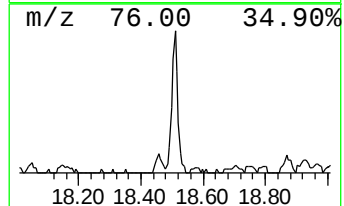
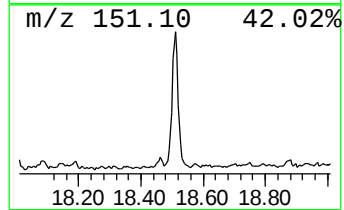
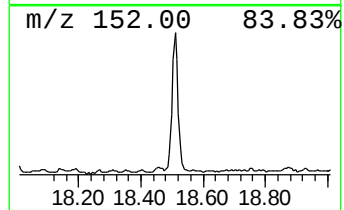
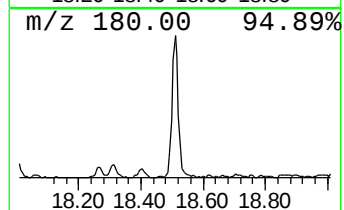
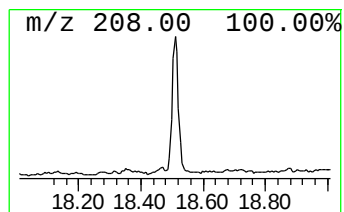
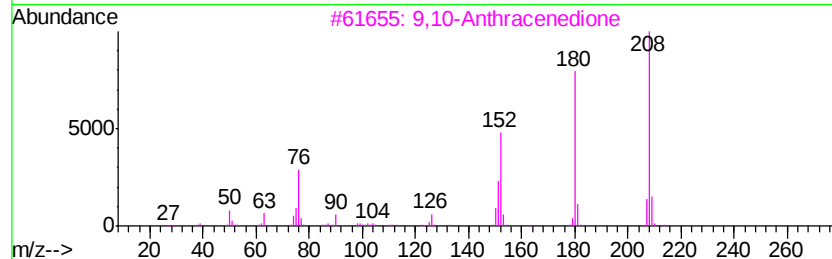
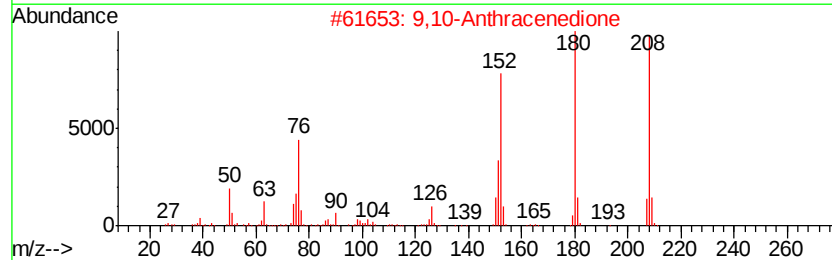
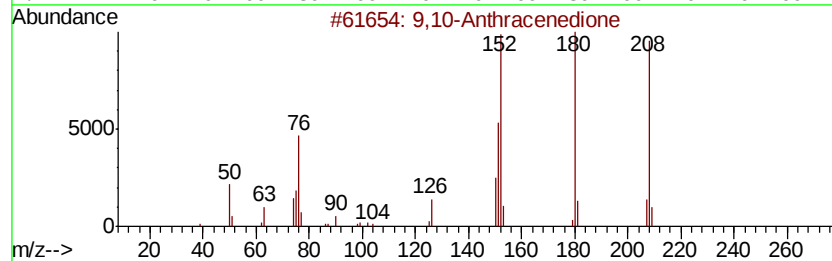
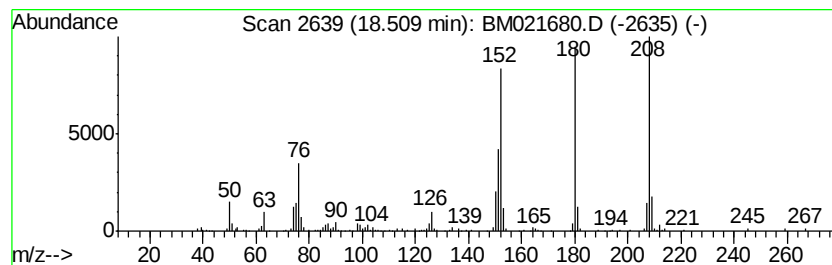
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.99 ng/ul	282201	Phenanthrene-d10	17.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione		208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione		208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one		180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
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Sample : K3893-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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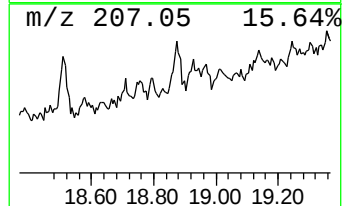
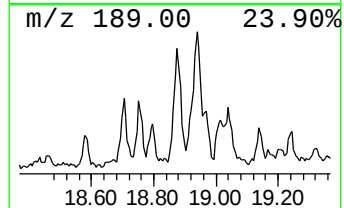
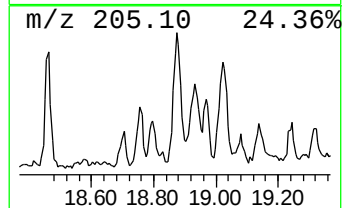
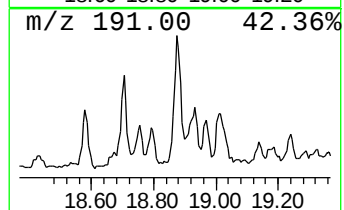
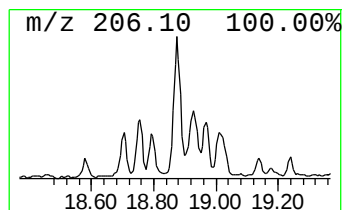
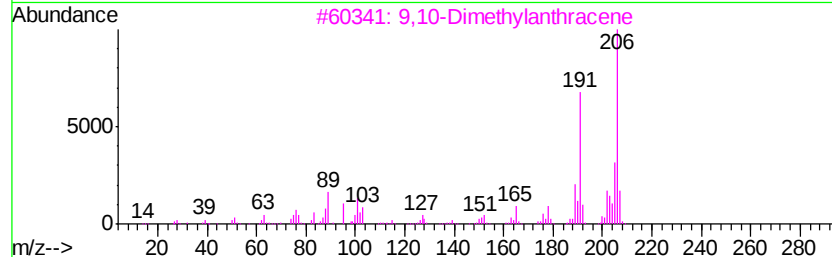
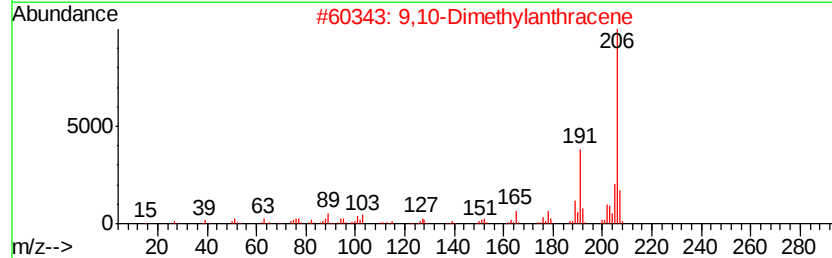
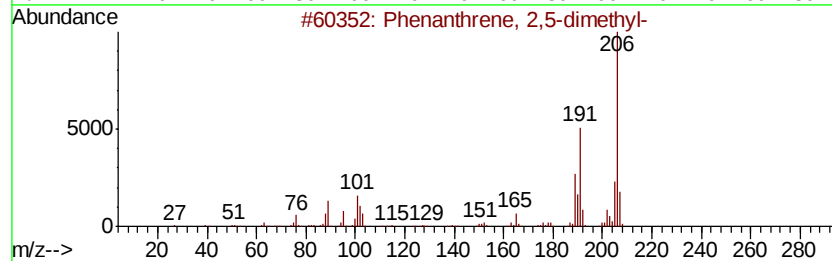
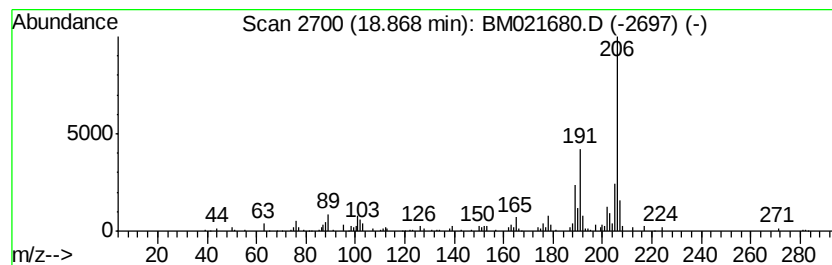
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.35 ng/ul	166193	Phenanthrene-d10	17.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
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Sample : K3893-05
Misc :
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Instrument :
BNA_M
ClientSampleId :
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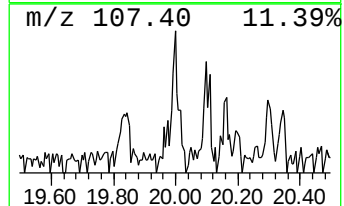
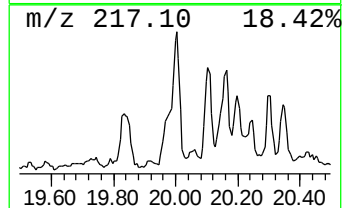
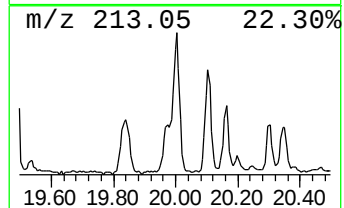
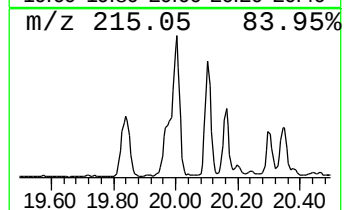
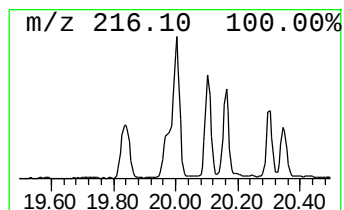
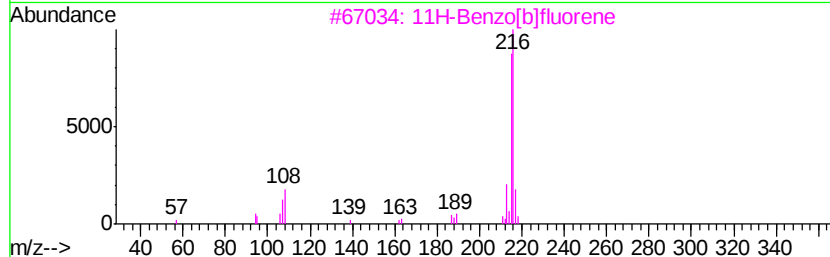
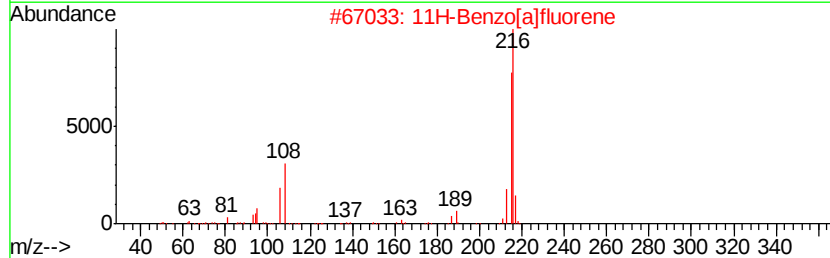
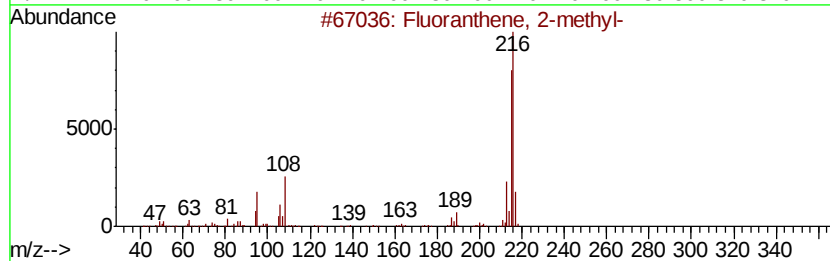
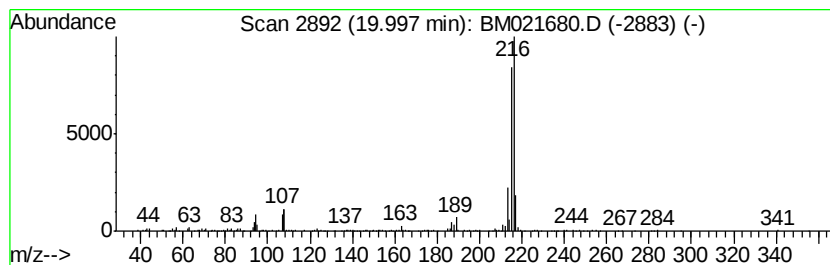
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.63 ng/ul	632052	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
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Sample : K3893-05
Misc :
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Instrument :
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ClientSampleId :
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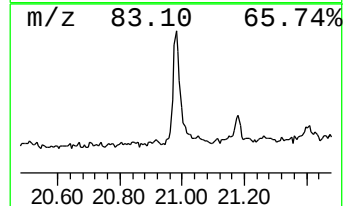
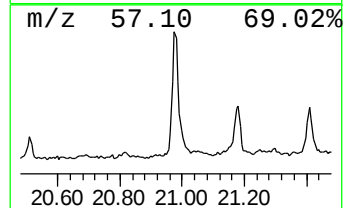
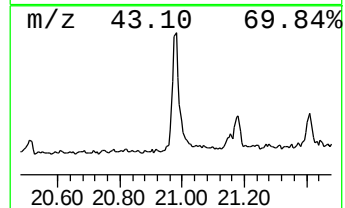
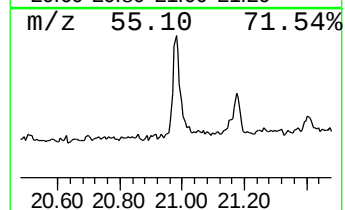
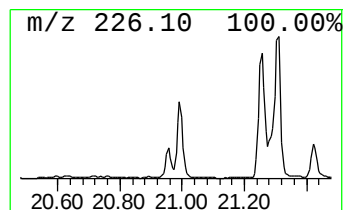
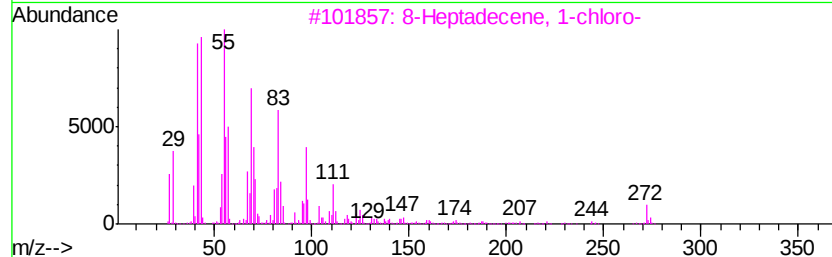
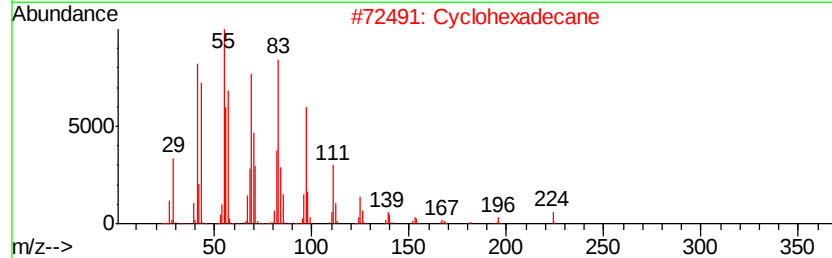
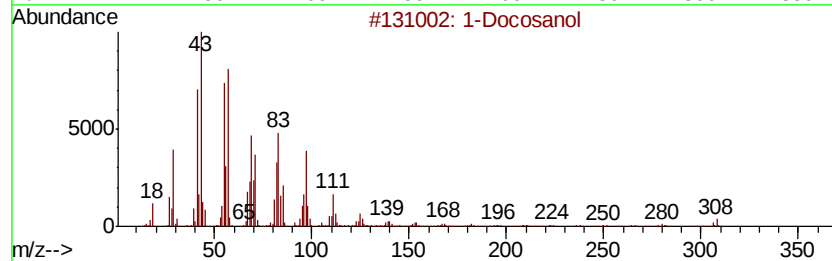
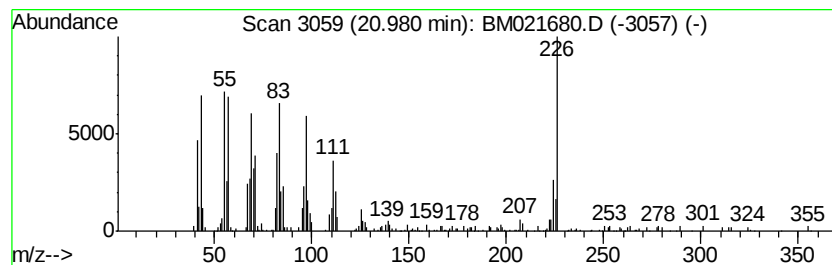
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1-Docosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.02 ng/ul	700644	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Docosanol	326	C22H46O	000661-19-8	64
2		Cyclohexadecane	224	C16H32	000295-65-8	60
3		8-Heptadecene, 1-chloro-	272	C17H33Cl	056554-80-4	59
4		9-Eicosene, (E)-	280	C20H40	074685-29-3	58
5		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
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Sample : K3893-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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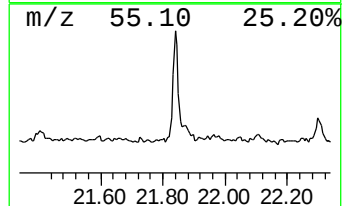
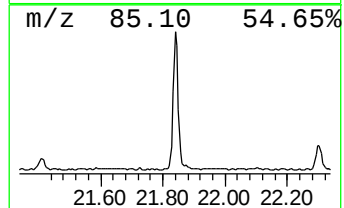
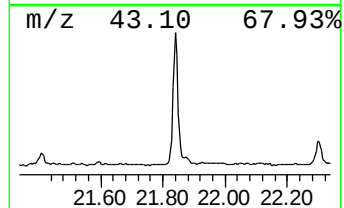
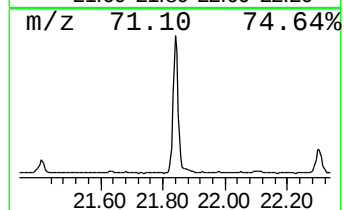
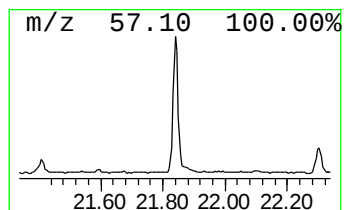
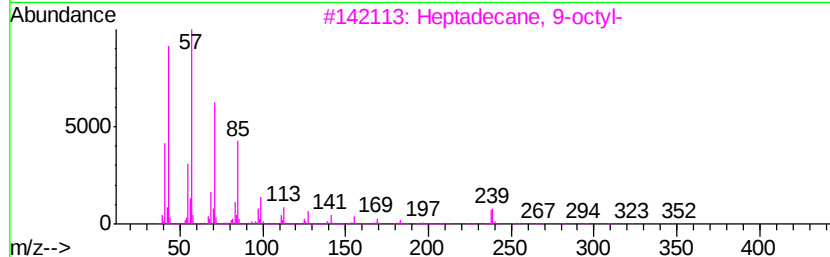
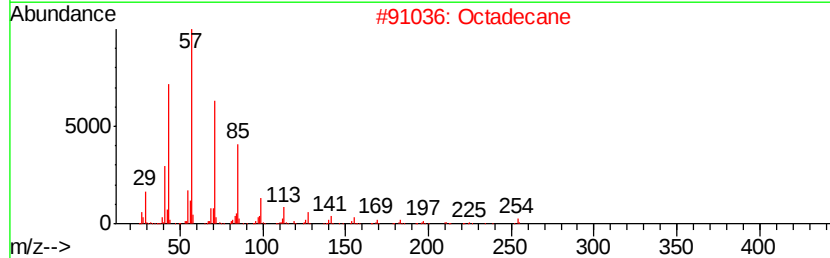
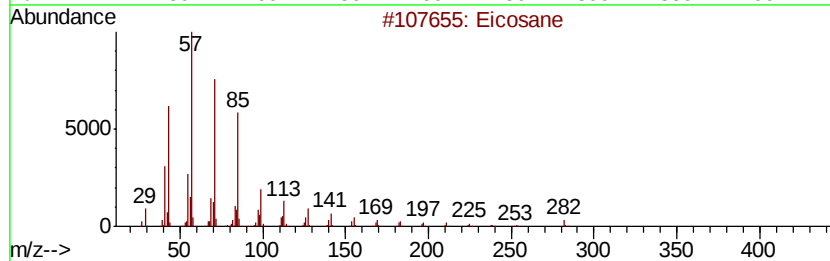
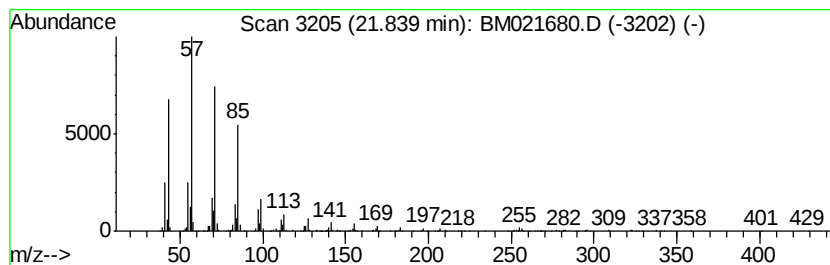
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.84	3.31 ng/ul	576372	Chrysene-d12	21.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Octadecane	254	C18H38	000593-45-3	95
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072719\
Data File : BM021680.D
Acq On : 27 Jul 2019 09:29
Operator : HP/JU
Sample : K3893-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Anthracene, 1-met...	18.00	3.8	ng/ul	271051	4	17.08	1416190	20.0
4H-Cyclopenta[def...	18.14	5.6	ng/ul	395391	4	17.08	1416190	20.0
Phenanthrene, 4-m...	18.19	2.2	ng/ul	154275	4	17.08	1416190	20.0
9,10-Anthracenedione	18.51	4.0	ng/ul	282201	4	17.08	1416190	20.0
Phenanthrene, 2,5...	18.87	2.4	ng/ul	166193	4	17.08	1416190	20.0
Fluoranthene, 2-m...	20.00	3.6	ng/ul	632052	5	21.27	3483620	20.0
1-Docosanol	20.98	4.0	ng/ul	700644	5	21.27	3483620	20.0
(DEL) Alkane: Str...	21.84	3.3	ng/ul	576372	5	21.27	3483620	20.0