

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020807.D
 Acq On : 07 Jun 2019 17:03
 Operator : HP/JU
 Sample : K3201-08DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9DL

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-BM060619MA.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	3.046	6	10	28	rVB	5514022	6899424	57.09%	4.064%
2	6.975	671	678	690	rVB	664106	1058453	8.76%	0.623%
3	7.151	701	708	716	rBV	523325	852025	7.05%	0.502%
4	7.345	733	741	749	rVB	724941	1176278	9.73%	0.693%
5	7.810	812	820	827	rBV	1232327	1962034	16.23%	1.156%
6	8.510	932	939	946	rBV	786176	1235423	10.22%	0.728%
7	8.975	1010	1018	1024	rBV	661099	1116557	9.24%	0.658%
8	9.686	1132	1139	1151	rVB	537354	932966	7.72%	0.550%
9	10.222	1222	1230	1239	rVB	882283	1446600	11.97%	0.852%
10	10.604	1285	1295	1301	rBV	1642317	2761941	22.85%	1.627%
11	10.745	1312	1319	1339	rVB	485307	879386	7.28%	0.518%
12	13.863	1844	1849	1853	rVV	1518500	2122743	17.56%	1.250%
13	13.910	1853	1857	1864	rVB	379929	546788	4.52%	0.322%
14	14.145	1890	1897	1912	rVB2	1586246	2671780	22.11%	1.574%
15	14.451	1939	1949	1955	rBV2	2291421	3542726	29.31%	2.087%
16	14.510	1955	1959	1967	rVB	264101	422797	3.50%	0.249%
17	14.645	1976	1982	1992	rBV	463370	710305	5.88%	0.418%
18	14.845	2012	2016	2024	rVV	169845	284002	2.35%	0.167%
19	15.239	2076	2083	2087	rBV3	71266	136026	1.13%	0.080%
20	15.445	2110	2118	2123	rVV	2122918	2988805	24.73%	1.760%
21	15.498	2123	2127	2134	rVV2	287016	441664	3.65%	0.260%
22	15.562	2134	2138	2145	rVV	252246	408755	3.38%	0.241%
23	15.792	2173	2177	2184	rVB	131690	193170	1.60%	0.114%
24	15.939	2197	2202	2210	rVB	116156	240716	1.99%	0.142%
25	16.174	2234	2242	2248	rVB6	90295	188865	1.56%	0.111%
26	16.474	2287	2293	2295	rBV4	76976	139797	1.16%	0.082%
27	16.504	2295	2298	2302	rVB2	101043	139869	1.16%	0.082%
28	16.727	2328	2336	2340	rBV3	106185	232085	1.92%	0.137%
29	16.851	2352	2357	2363	rVB	227978	360074	2.98%	0.212%
30	16.927	2363	2370	2371	rBV2	103816	154304	1.28%	0.091%
31	17.015	2380	2385	2393	rVB	209825	324701	2.69%	0.191%
32	17.198	2410	2416	2419	rVV	2624949	3958375	32.75%	2.331%
33	17.239	2419	2423	2428	rVV	4048660	5464789	45.22%	3.219%
34	17.298	2428	2433	2436	rVV	2179128	3303233	27.33%	1.946%

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35	17.327	2436	2438	2443	rVV	843638	1000784	8.28%	0.589%
36	17.386	2443	2448	2453	rVV3	109090	221438	1.83%	0.130%
37	17.598	2474	2484	2495	rBV2	407408	846080	7.00%	0.498%
38	17.715	2501	2504	2509	rVV2	117381	155159	1.28%	0.091%
39	17.774	2510	2514	2522	rVB3	120389	197862	1.64%	0.117%
40	18.074	2559	2565	2569	rVV2	850259	1686138	13.95%	0.993%
41	18.115	2569	2572	2577	rVV	994929	1410476	11.67%	0.831%
42	18.198	2581	2586	2591	rVV	332929	492245	4.07%	0.290%
43	18.262	2591	2597	2601	rVV2	917499	1758720	14.55%	1.036%
44	18.298	2601	2603	2609	rVB	486456	647727	5.36%	0.382%
45	18.380	2612	2617	2620	rVV3	129029	188939	1.56%	0.111%
46	18.415	2620	2623	2627	rVV2	100057	142734	1.18%	0.084%
47	18.568	2645	2649	2653	rVV	511461	721477	5.97%	0.425%
48	18.615	2653	2657	2663	rVV	539136	746235	6.17%	0.440%
49	18.815	2688	2691	2696	rVV3	240870	343024	2.84%	0.202%
50	18.868	2696	2700	2703	rVV	201172	279692	2.31%	0.165%
51	18.903	2703	2706	2710	rVB2	207703	252794	2.09%	0.149%
52	18.986	2715	2720	2726	rVV	508751	975429	8.07%	0.575%
53	19.050	2726	2731	2734	rVV3	272875	562975	4.66%	0.332%
54	19.080	2734	2736	2740	rVV	196388	221325	1.83%	0.130%
55	19.127	2740	2744	2752	rVB3	439389	768984	6.36%	0.453%
56	19.256	2760	2766	2772	rVB	8196882	10736755	88.84%	6.324%
57	19.315	2772	2776	2779	rBV2	148018	187251	1.55%	0.110%
58	19.362	2779	2784	2787	rBV2	338866	541120	4.48%	0.319%
59	19.398	2788	2790	2794	rVB2	126965	158546	1.31%	0.093%
60	19.450	2795	2799	2802	rBV2	158964	219381	1.82%	0.129%
61	19.498	2804	2807	2810	rVB	195280	220878	1.83%	0.130%
62	19.586	2817	2822	2825	rBV2	3774406	6195442	51.26%	3.649%
63	19.621	2825	2828	2835	rVV	6597908	8492056	70.27%	5.002%
64	19.686	2835	2839	2846	rVB3	469531	742399	6.14%	0.437%
65	19.797	2853	2858	2863	rVB	405323	578330	4.79%	0.341%
66	19.850	2864	2867	2872	rVB3	231653	341327	2.82%	0.201%
67	19.939	2876	2882	2889	rBV3	611219	1577848	13.06%	0.929%
68	20.074	2900	2905	2907	rBV4	437635	746029	6.17%	0.439%
69	20.109	2907	2911	2917	rVB	1041945	1642585	13.59%	0.967%
70	20.209	2924	2928	2932	rBV	607215	788956	6.53%	0.465%
71	20.268	2932	2938	2942	rVV2	766301	1304324	10.79%	0.768%

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72	20.309	2942	2945	2948	rVB	290246	313004	2.59%	0.184%
73	20.350	2949	2952	2957	rVB3	179003	208827	1.73%	0.123%
74	20.409	2958	2962	2965	rBV	474049	630263	5.22%	0.371%
75	20.456	2965	2970	2973	rBV2	491168	611773	5.06%	0.360%
76	20.674	3002	3007	3008	rBV4	123967	230957	1.91%	0.136%
77	20.856	3034	3038	3045	rVB	941945	1215813	10.06%	0.716%
78	21.021	3060	3066	3070	rBV2	729840	1365903	11.30%	0.805%
79	21.062	3070	3073	3075	rBV	685857	915567	7.58%	0.539%
80	21.156	3085	3089	3100	rVB	955187	1451759	12.01%	0.855%
81	21.286	3109	3111	3115	rVB	560930	592634	4.90%	0.349%
82	21.368	3119	3125	3130	rVV3	5753700	12085232	100.00%	7.118%
83	21.415	3130	3133	3143	rVB	4555701	5808981	48.07%	3.422%
84	21.533	3149	3153	3159	rBV3	681750	1167151	9.66%	0.687%
85	21.597	3160	3164	3167	rBV5	310510	500879	4.14%	0.295%
86	21.697	3176	3181	3185	rBV2	527459	861515	7.13%	0.507%
87	21.933	3218	3221	3224	rVB	700168	845204	6.99%	0.498%
88	21.986	3224	3230	3236	rVB3	681531	1501505	12.42%	0.884%
89	22.133	3252	3255	3258	rBV2	399006	533730	4.42%	0.314%
90	22.239	3269	3273	3283	rVB5	391245	696513	5.76%	0.410%
91	22.980	3391	3399	3404	rBV2	3877180	10592028	87.64%	6.239%
92	23.150	3424	3428	3439	rVB	717386	1223585	10.12%	0.721%
93	23.468	3476	3482	3486	rBV	1962411	3613704	29.90%	2.128%
94	23.521	3486	3491	3495	rVV2	2166764	4710742	38.98%	2.775%
95	23.568	3495	3499	3506	rVB	3259410	5785073	47.87%	3.407%
96	23.668	3510	3516	3521	rVV	2121921	4340218	35.91%	2.556%
97	23.715	3521	3524	3532	rVB2	927340	1730205	14.32%	1.019%
98	24.203	3603	3607	3617	rVB2	829363	1724422	14.27%	1.016%
99	25.985	3902	3910	3922	rVB2	1669352	4858560	40.20%	2.862%
100	26.691	4025	4030	4041	rVB	828093	2271590	18.80%	1.338%

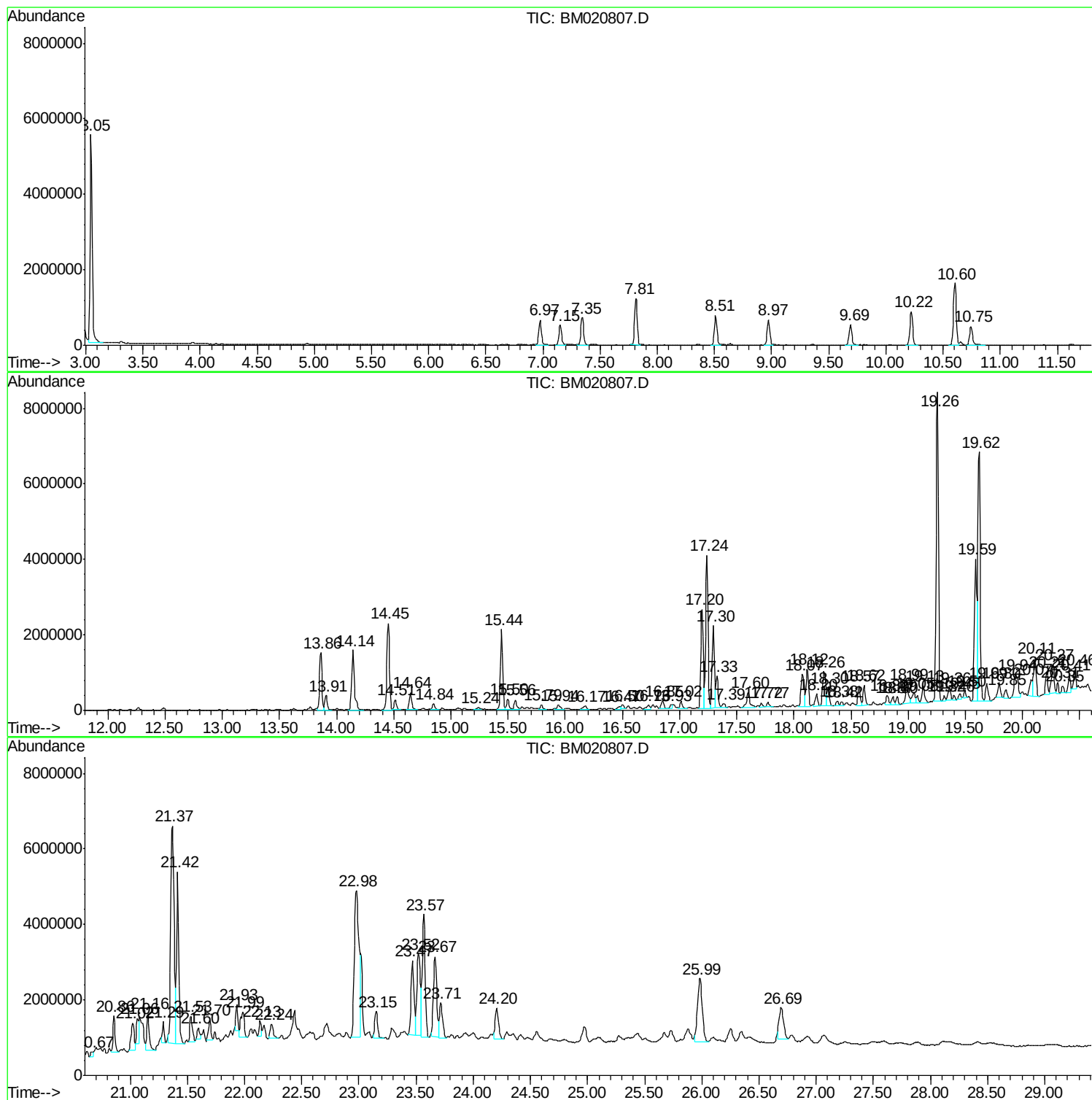
Sum of corrected areas: 169778257

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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



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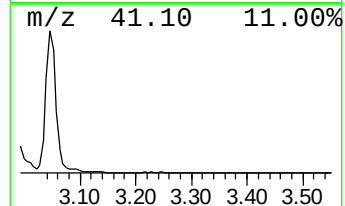
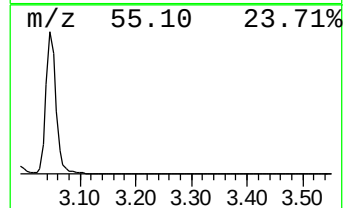
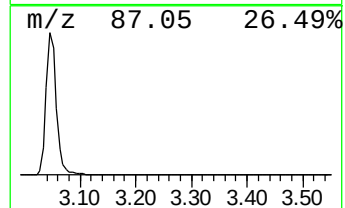
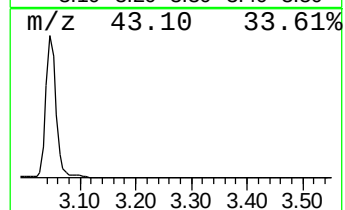
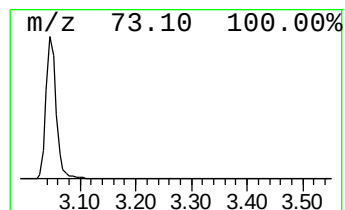
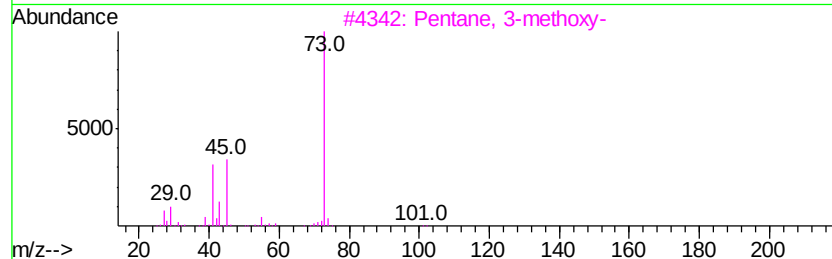
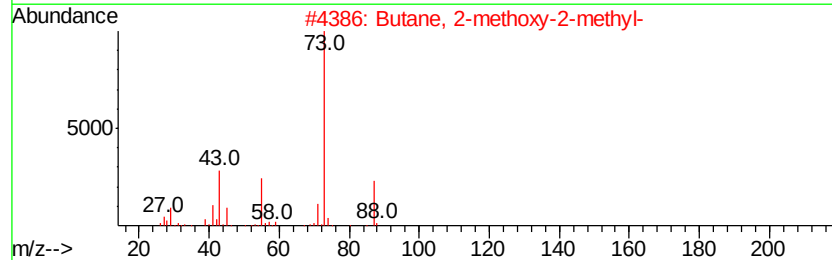
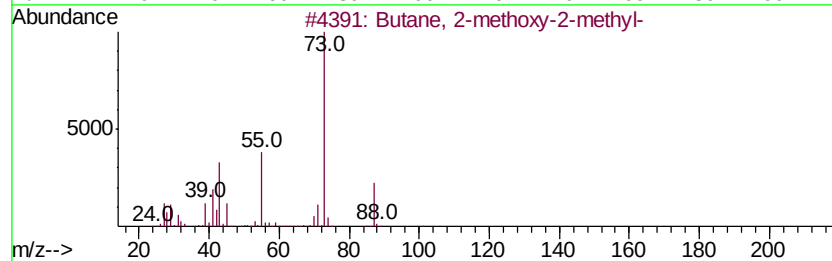
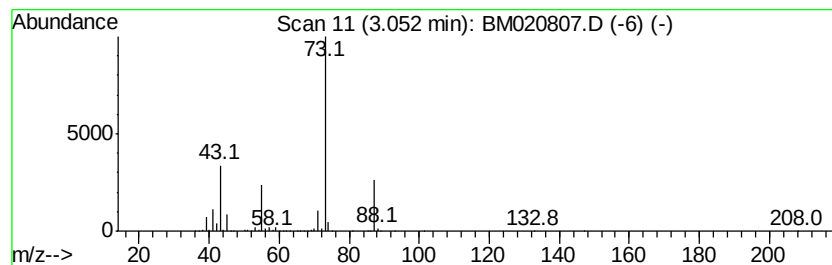
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	70.33 ng/ul	6899420	1,4-Dichlorobenzene-d4	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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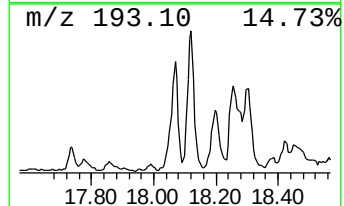
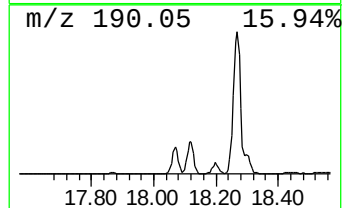
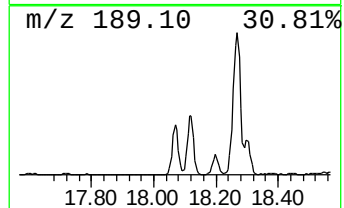
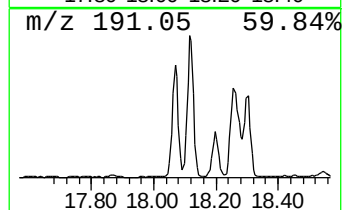
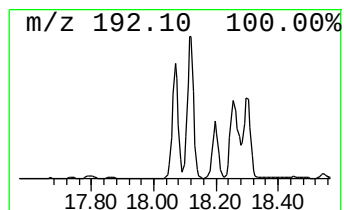
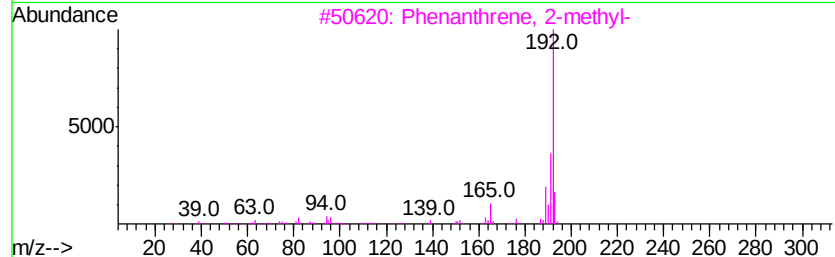
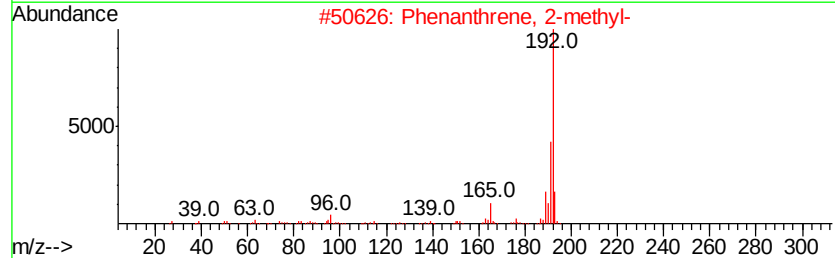
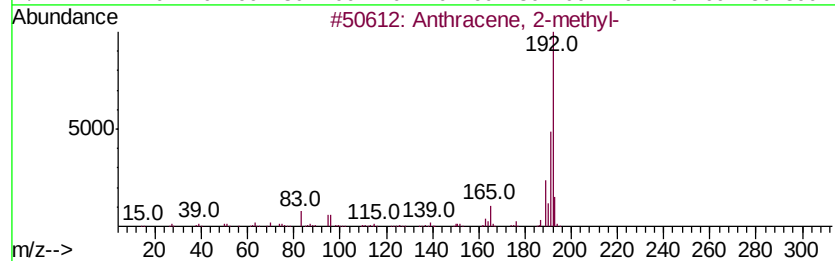
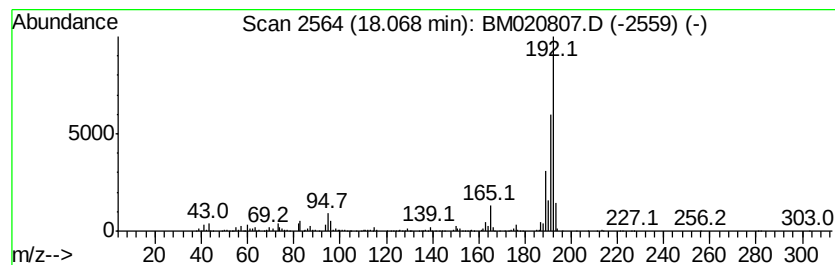
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 5H-Dibenzo[a,d]cycloheptene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	8.52 ng/ul	1686140	Phenanthrene-d10	17.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90



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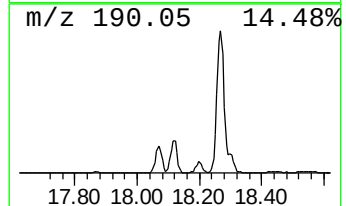
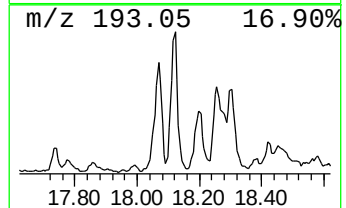
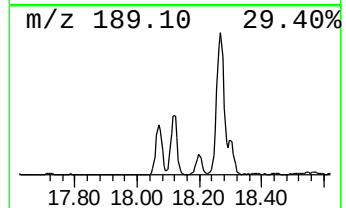
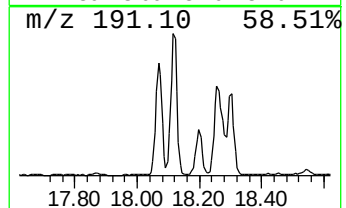
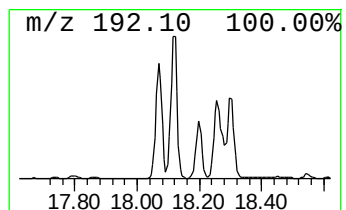
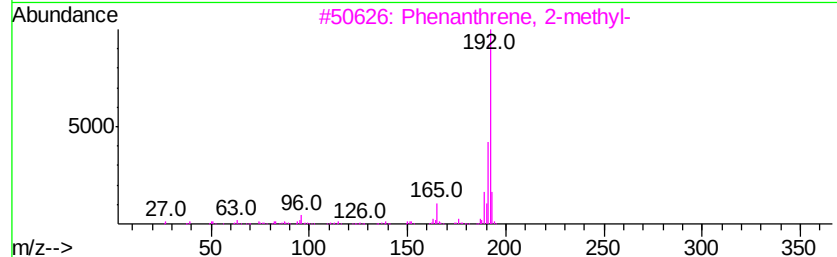
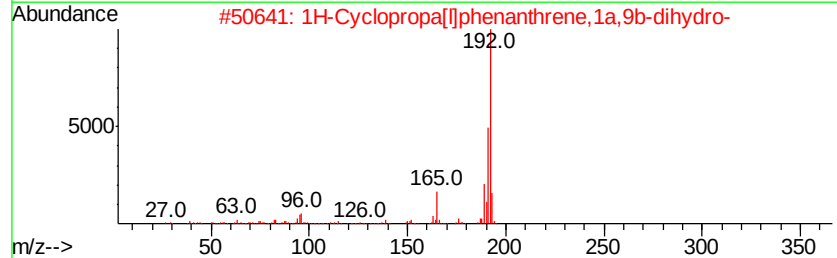
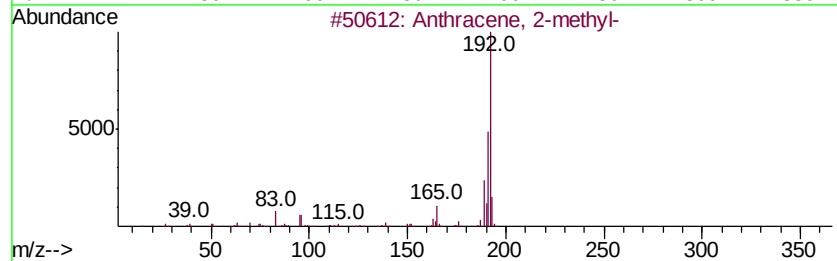
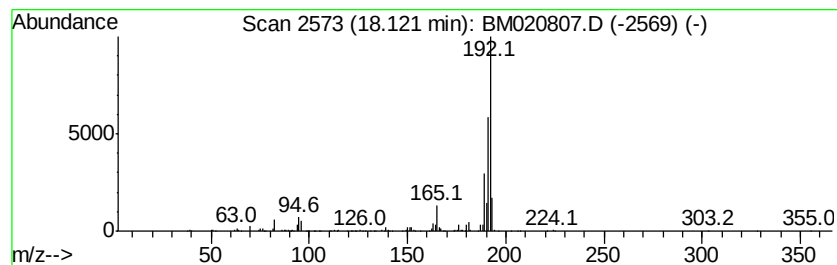
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.12	7.13 ng/ul	1410480	Phenanthrene-d10	17.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[ll]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



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Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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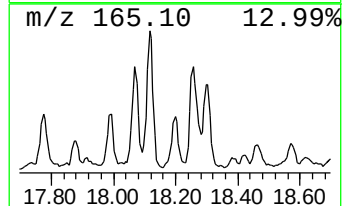
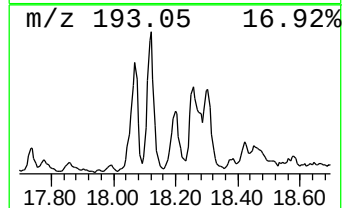
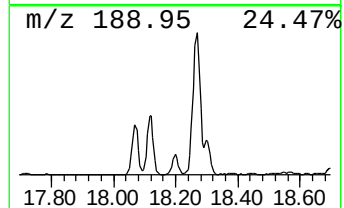
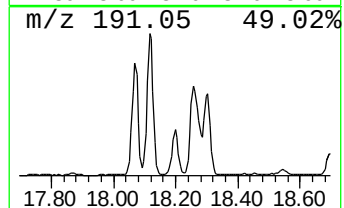
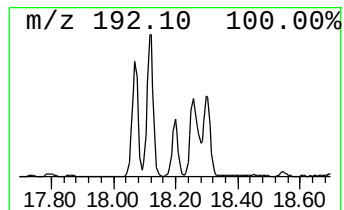
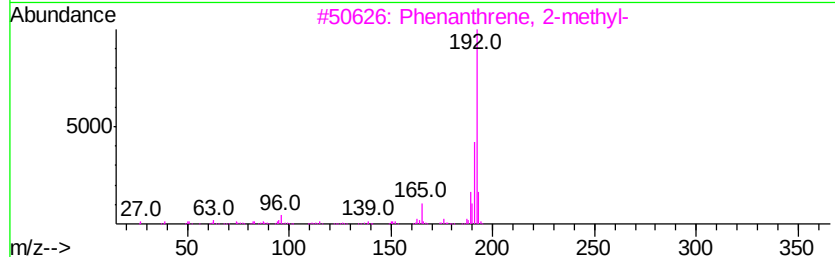
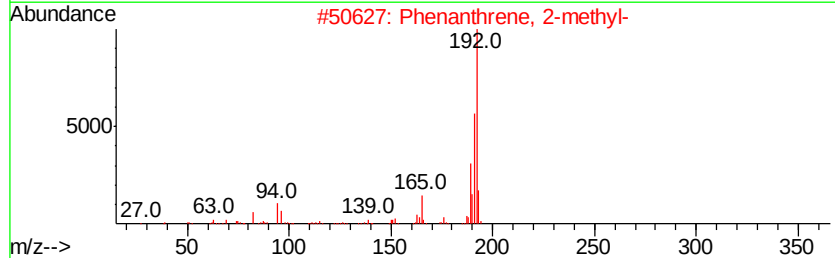
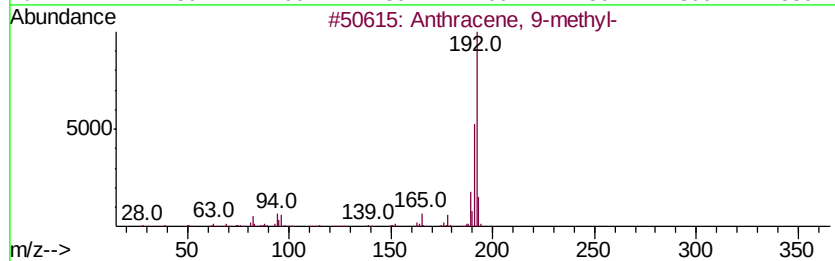
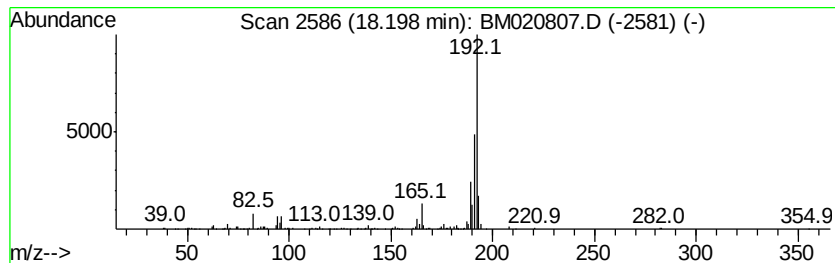
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.49 ng/ul	492245	Phenanthrene-d10	17.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Sample : K3201-08DL 2X
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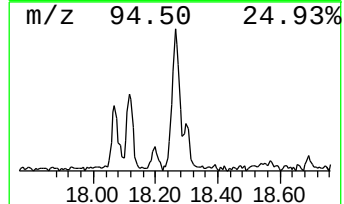
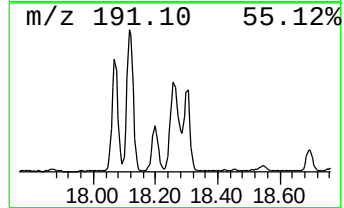
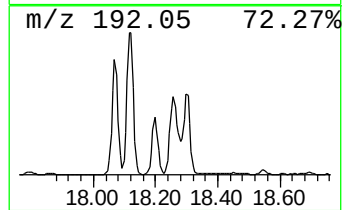
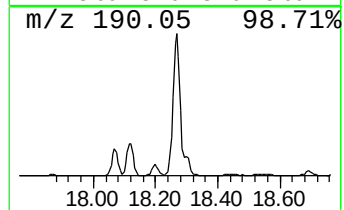
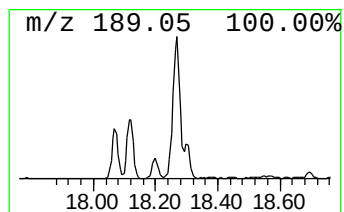
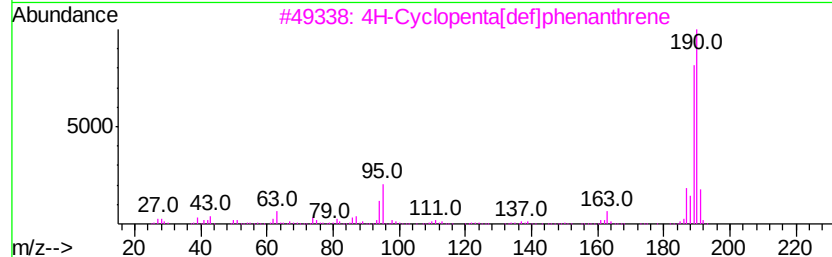
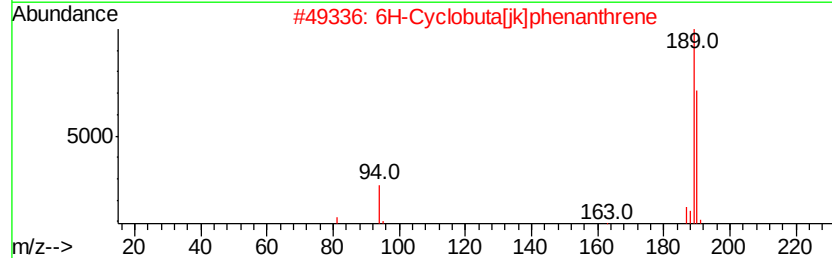
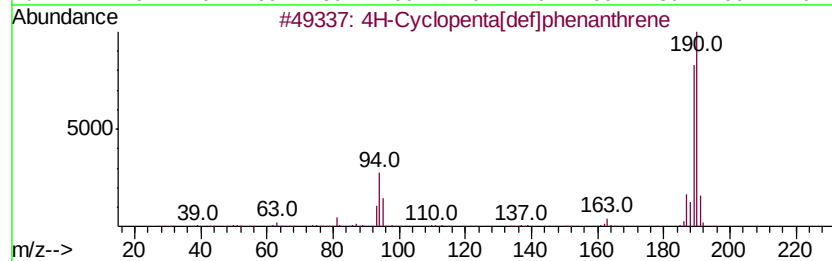
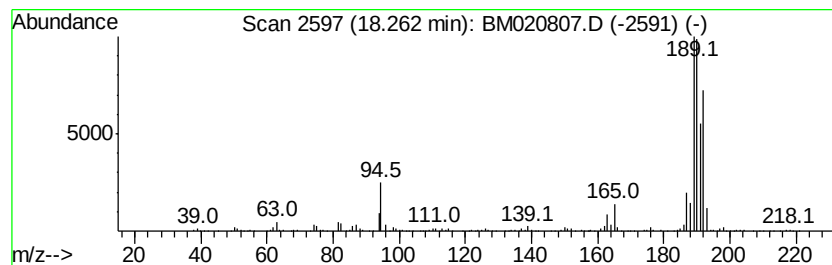
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.26	8.89 ng/ul	1758720	Phenanthrene-d10	17.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	41
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Sample : K3201-08DL 2X
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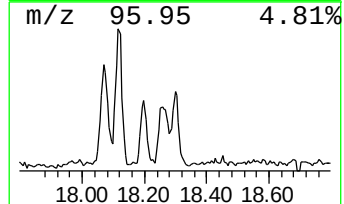
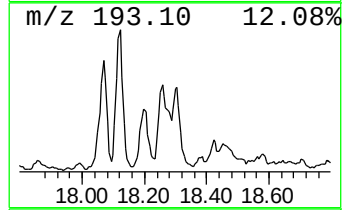
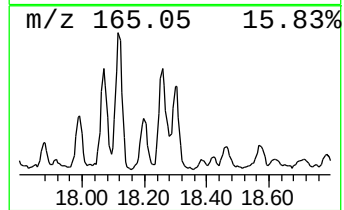
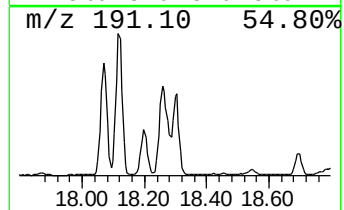
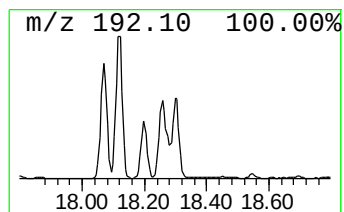
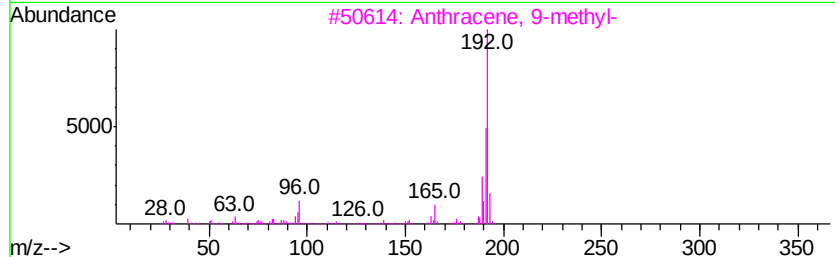
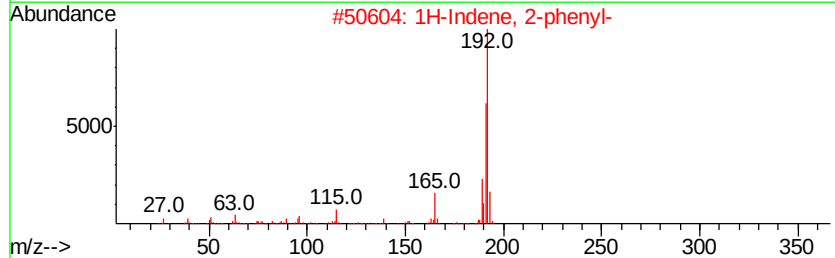
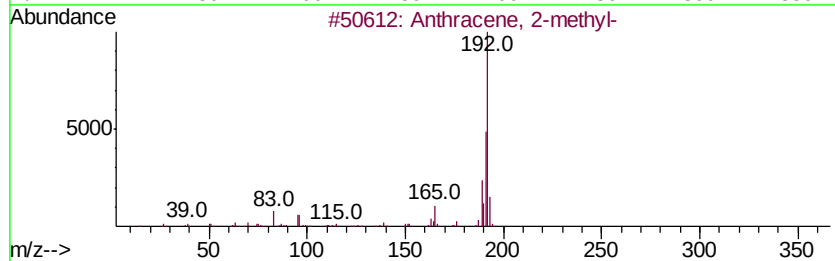
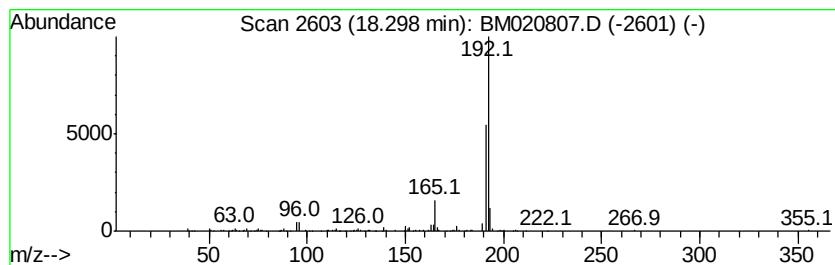
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.30	3.27 ng/ul	647727	Phenanthrene-d10	17.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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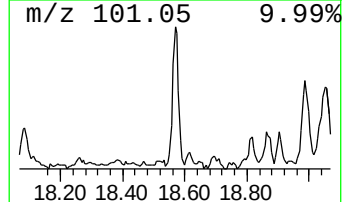
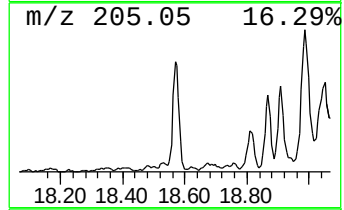
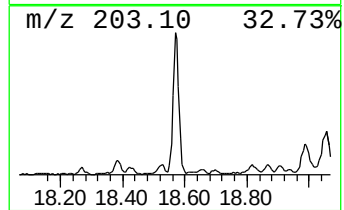
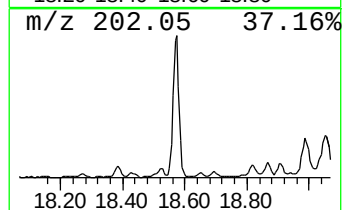
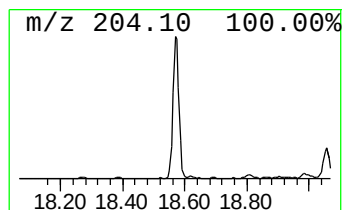
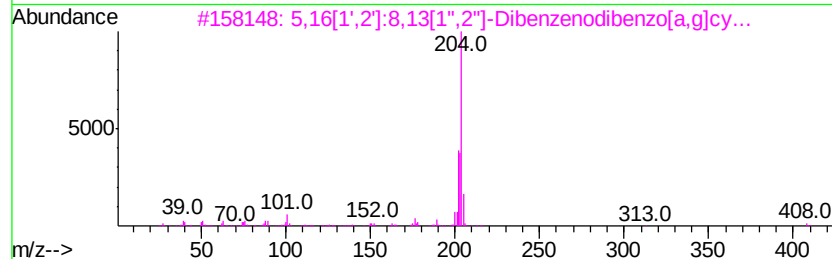
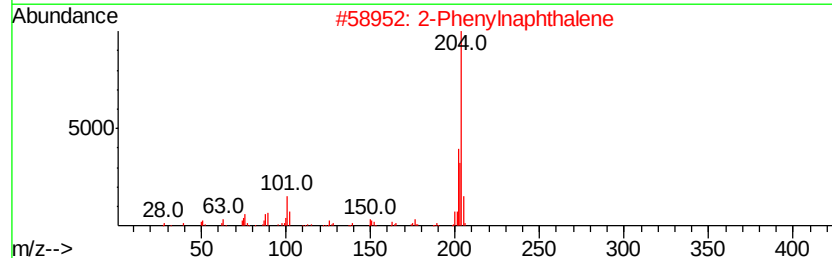
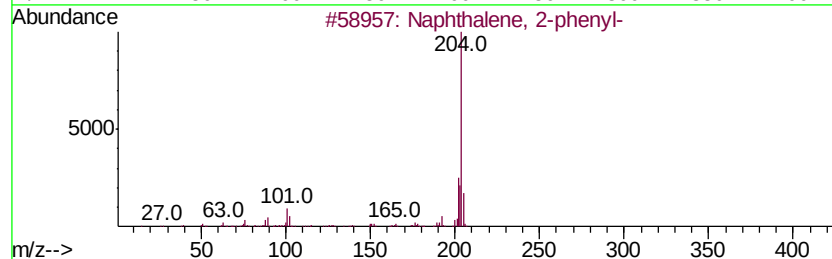
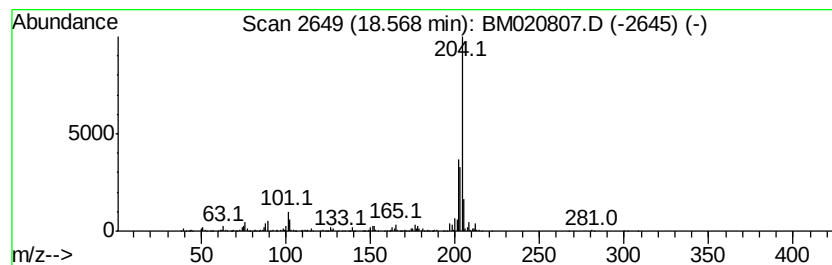
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.65 ng/ul	721477	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81



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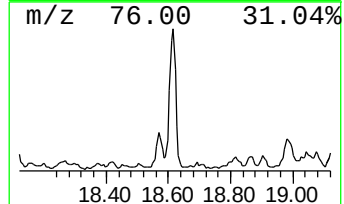
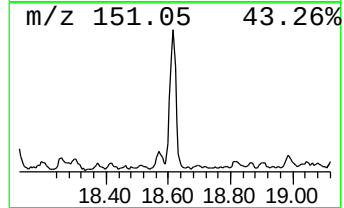
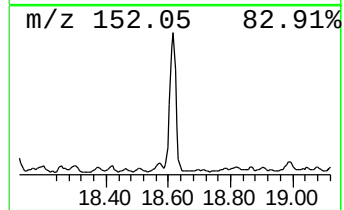
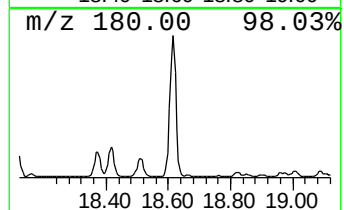
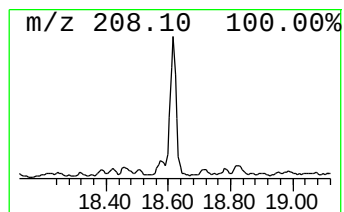
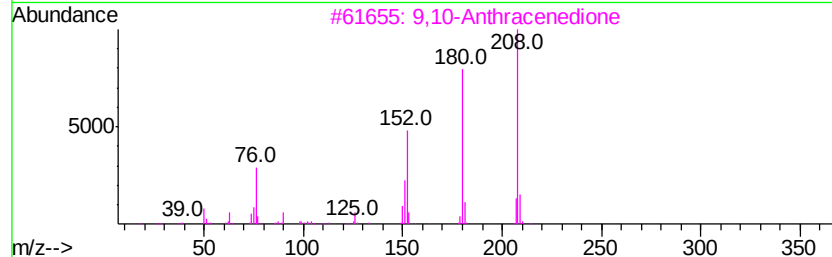
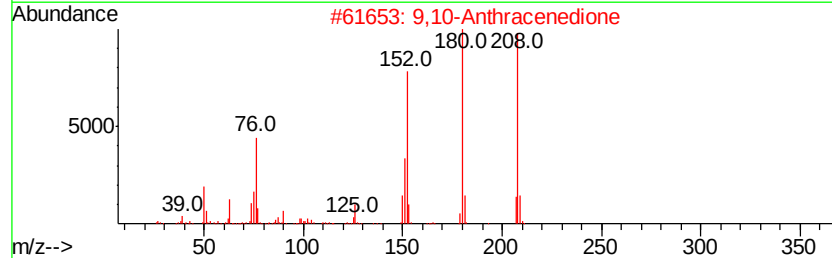
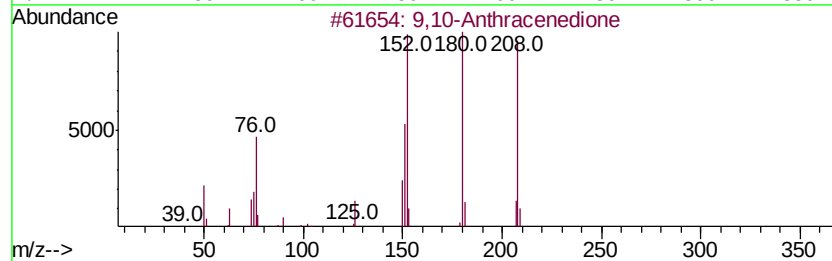
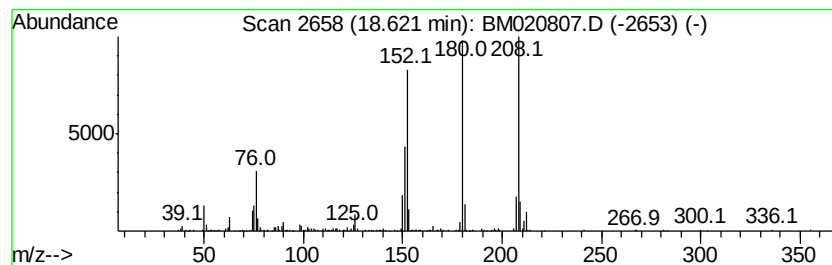
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.77 ng/ul	746235	Phenanthrene-d10	17.20

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	98
3	9,10-Anthracenedione		208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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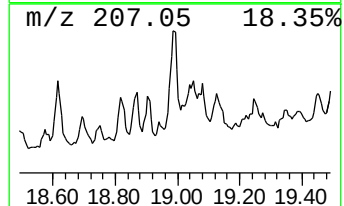
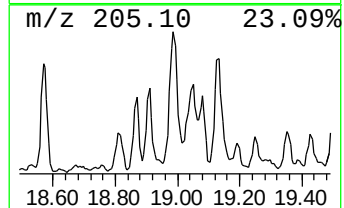
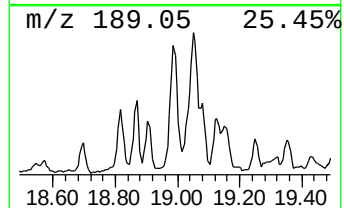
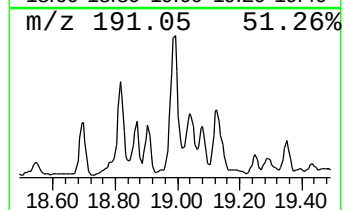
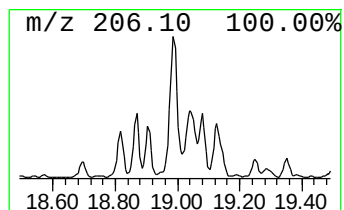
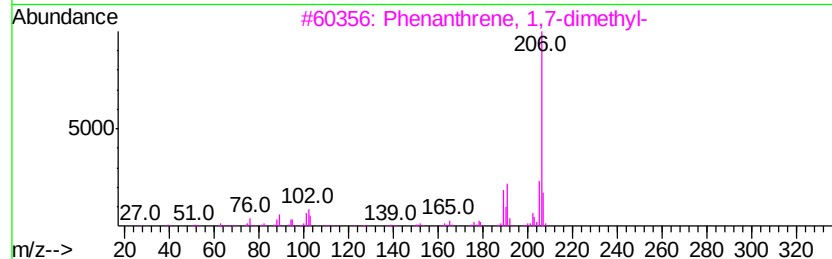
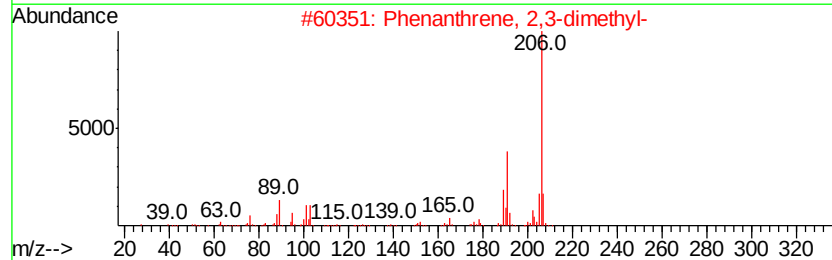
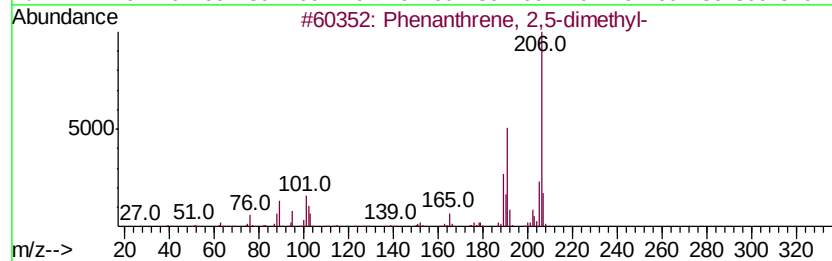
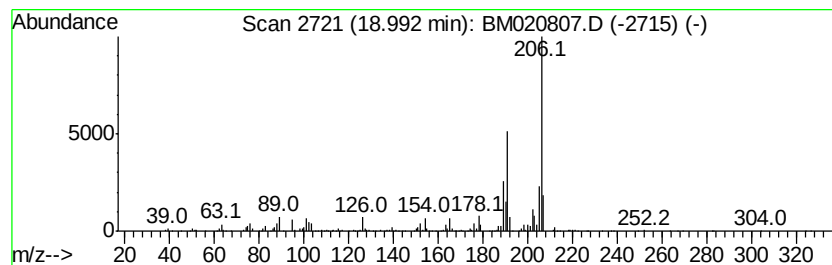
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.99	4.93 ng/ul	975429	Phenanthrene-d10		17.20	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94	
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94	
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91	
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86	
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83	



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
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Sample : K3201-08DL 2X
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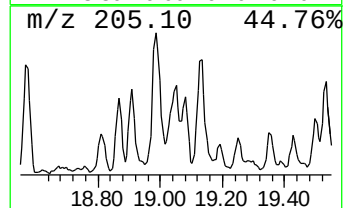
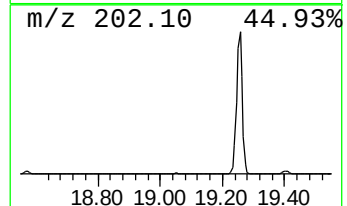
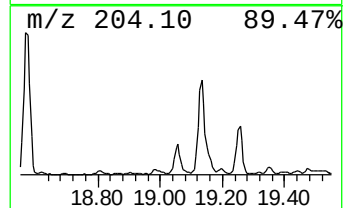
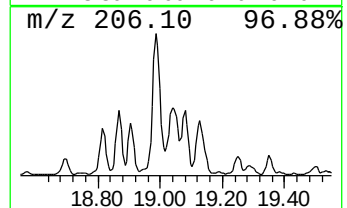
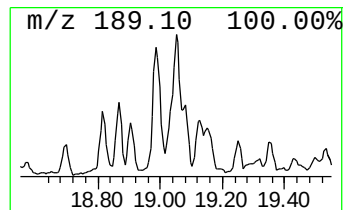
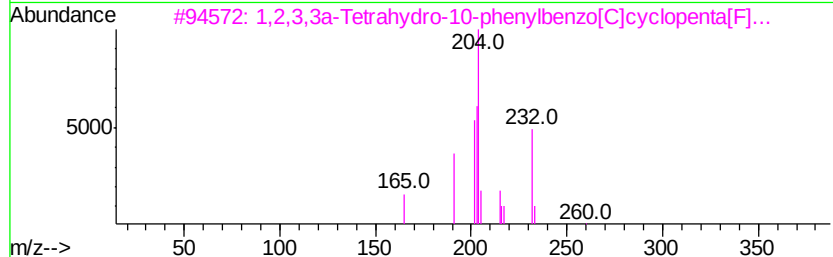
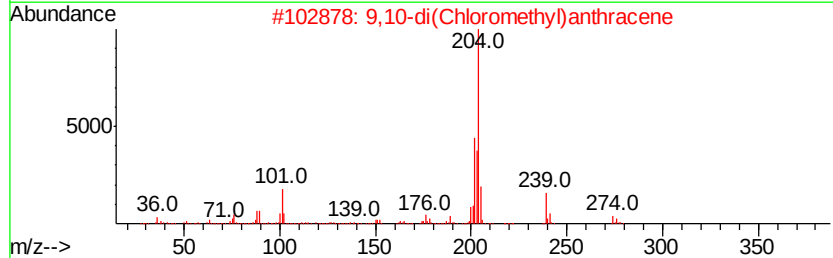
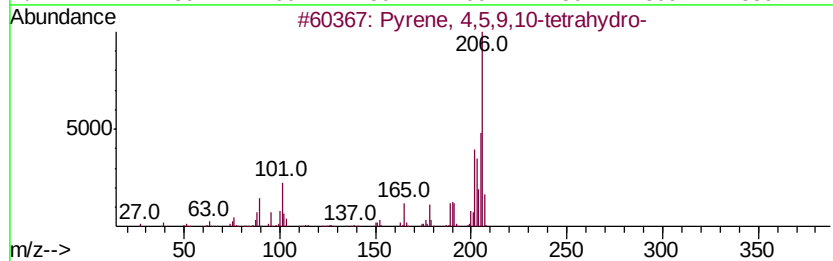
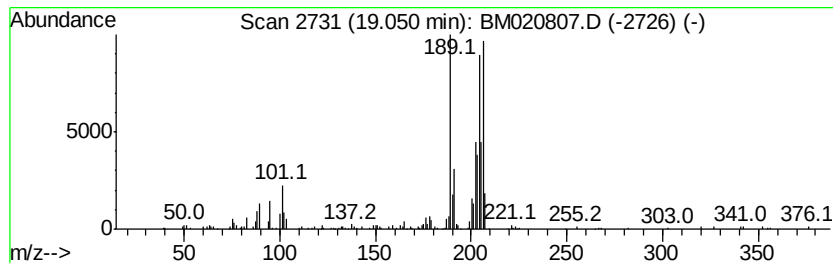
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.84 ng/ul	562975	Phenanthrene-d10	17.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 4,5,9,10-tetrahydro-	206 C16H14	000781-17-9 42
2		9,10-di(Chloromethyl)anthracene	274 C16H12Cl2	010387-13-0 35
3		1,2,3,3a-Tetrahydro-10-phenylben...	260 C18H16N2	028749-06-6 35
4		9,10-di(Chloromethyl)anthracene	274 C16H12Cl2	010387-13-0 35
5		Phenanthrene, 3,6-dimethyl-	206 C16H14	001576-67-6 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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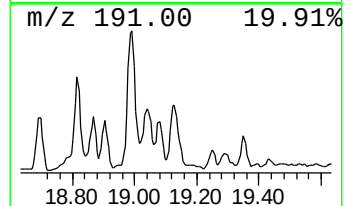
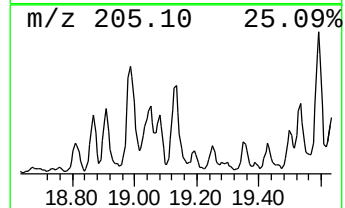
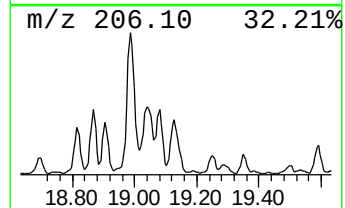
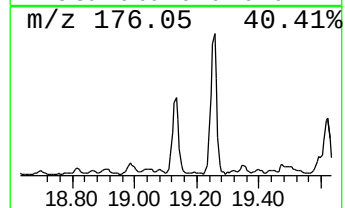
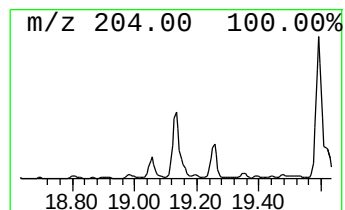
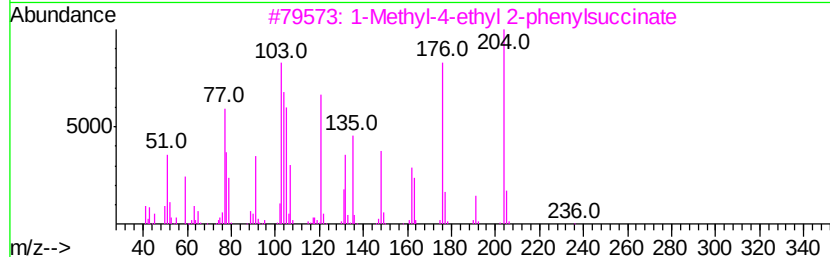
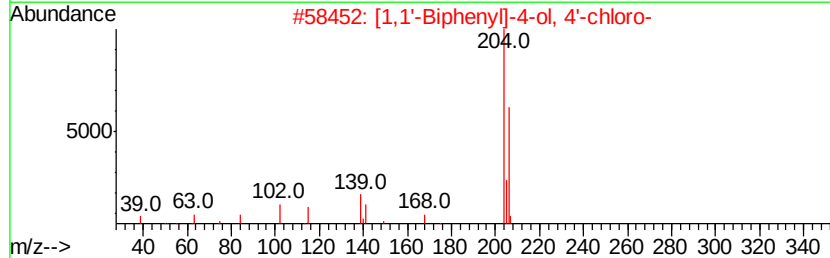
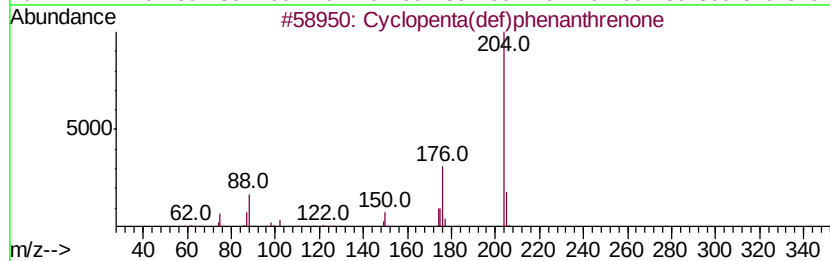
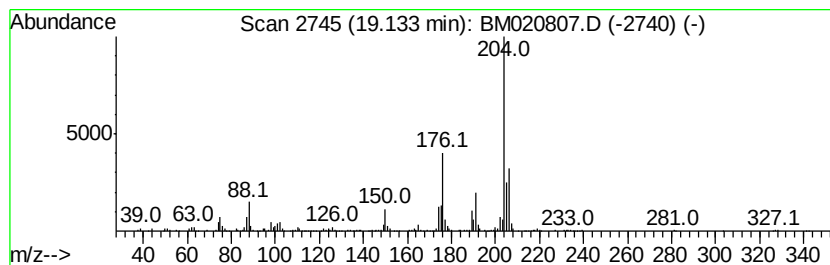
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.89 ng/ul	768984	Phenanthrene-d10	17.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3		1-Methyl-4-ethyl 2-phenylsuccinate	236	C13H16O4	132545-36-9	38
4		[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	37



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
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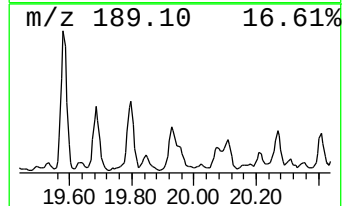
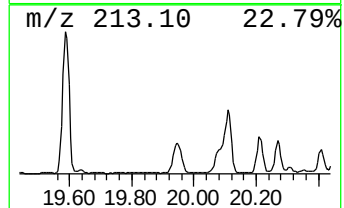
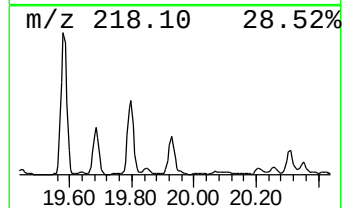
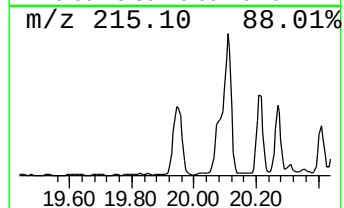
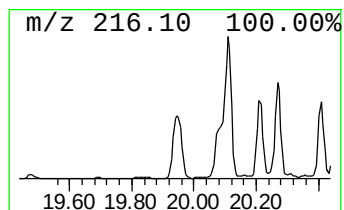
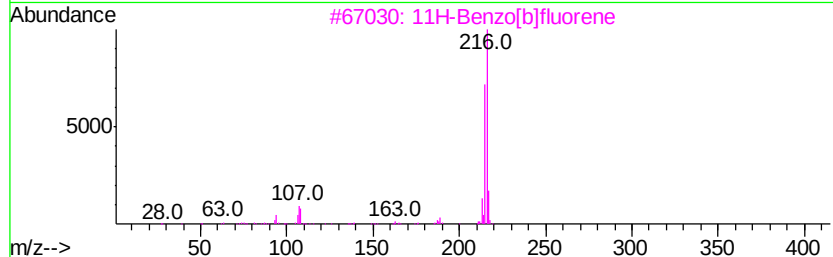
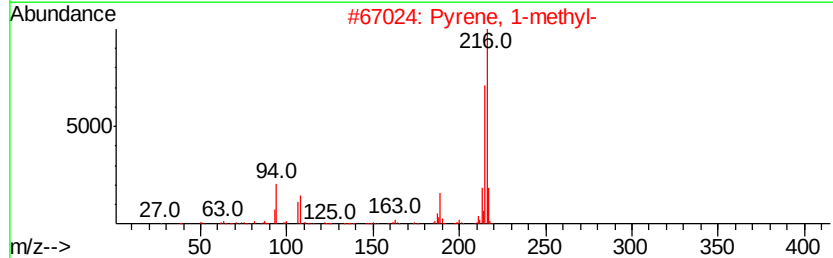
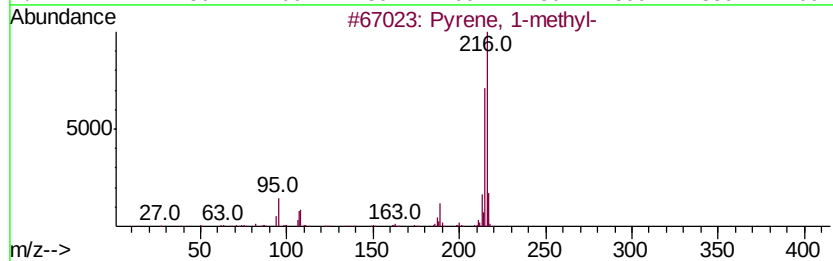
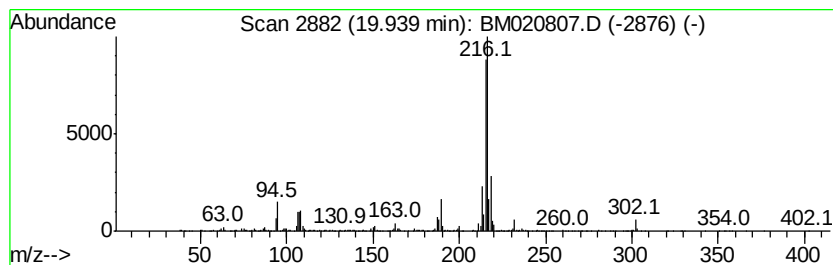
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.61 ng/ul	1577850	Chrysene-d12	21.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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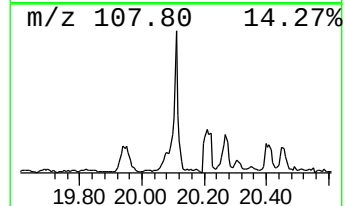
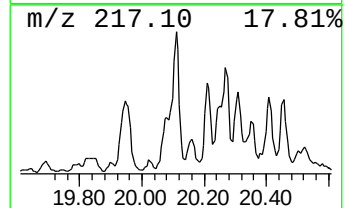
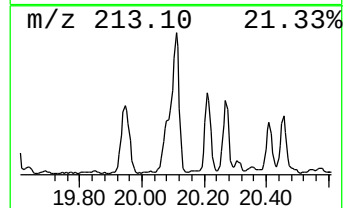
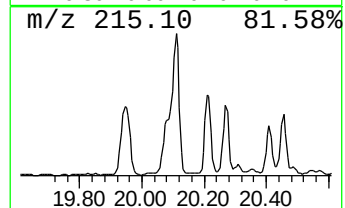
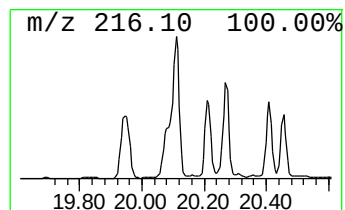
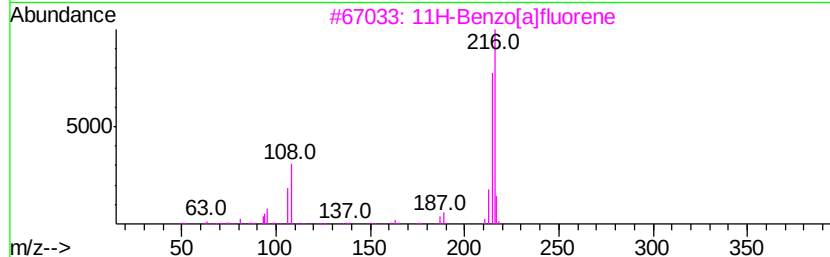
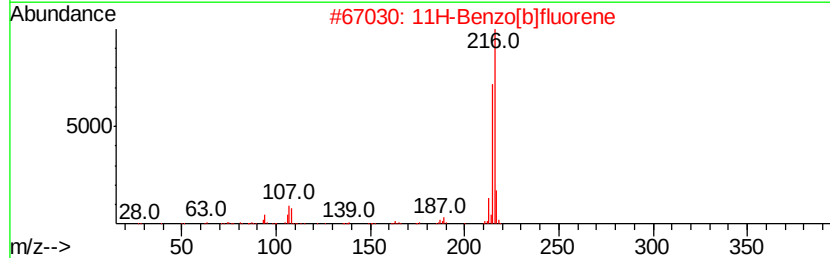
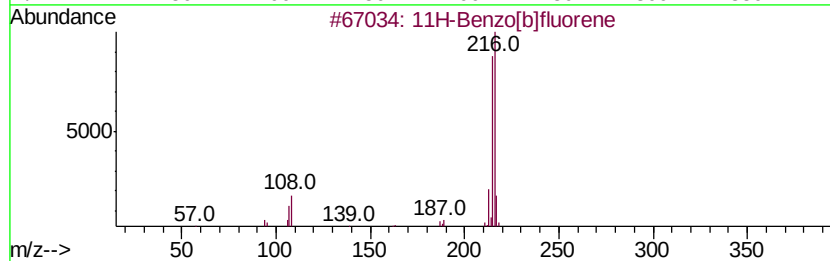
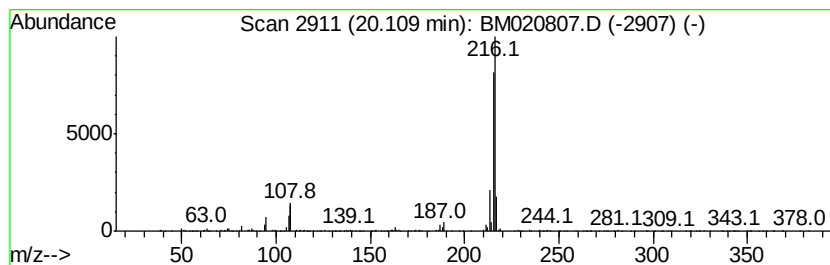
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.72 ng/ul	1642590	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
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Misc :
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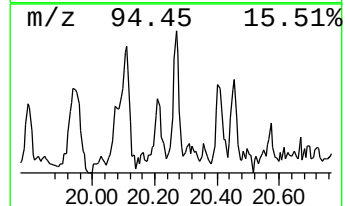
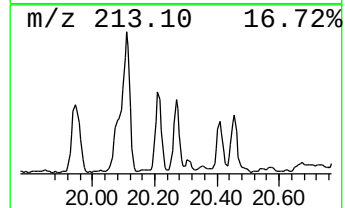
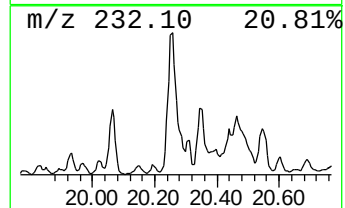
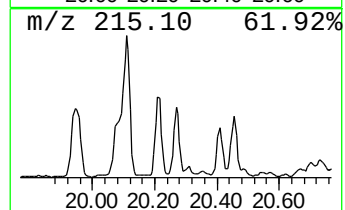
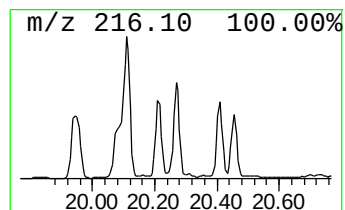
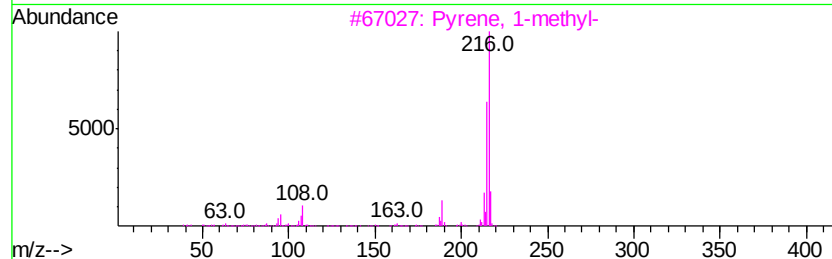
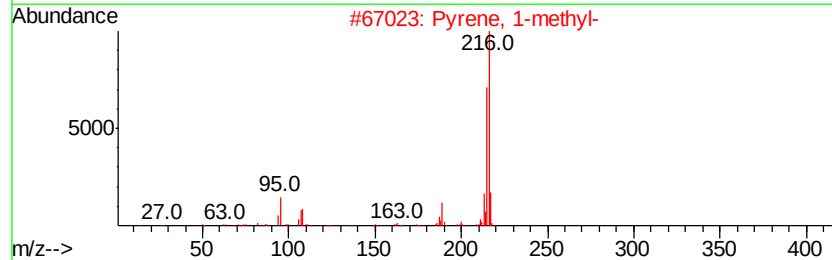
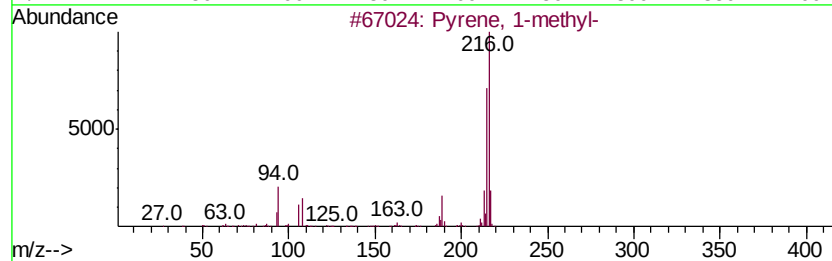
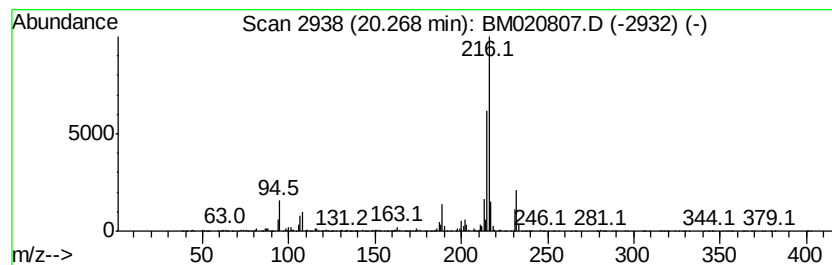
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.16 ng/ul	1304320	Chrysene-d12	21.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
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Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
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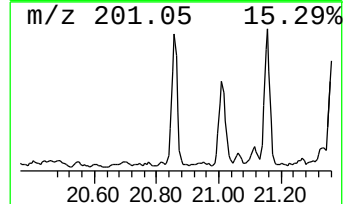
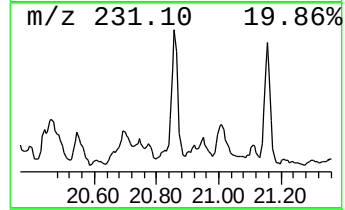
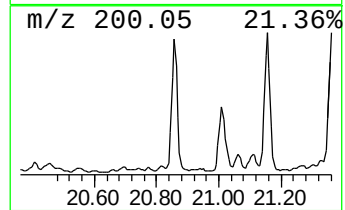
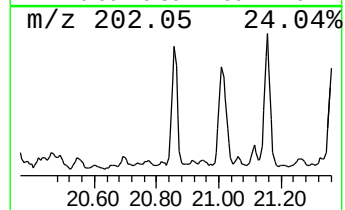
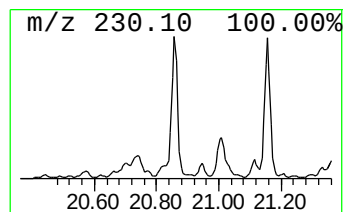
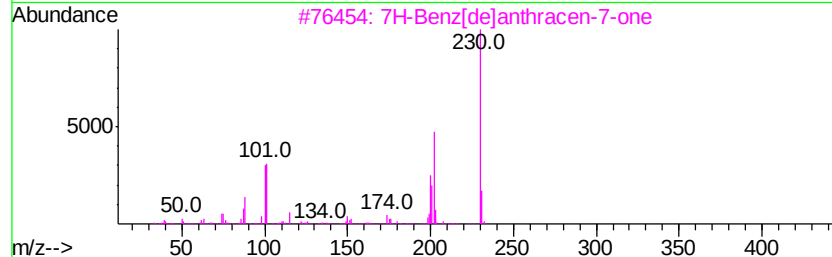
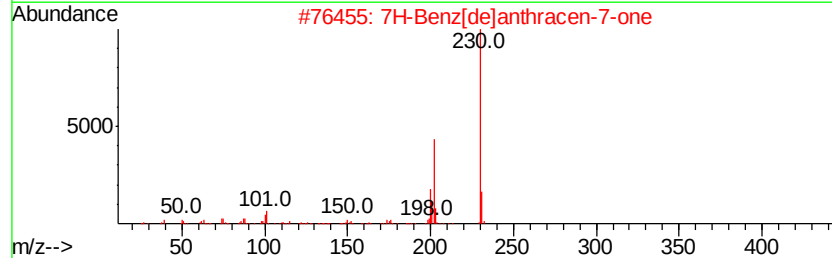
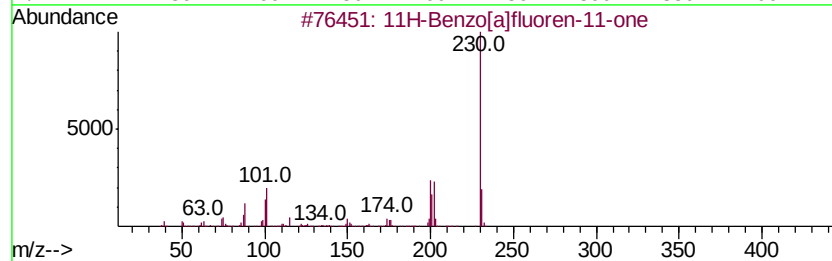
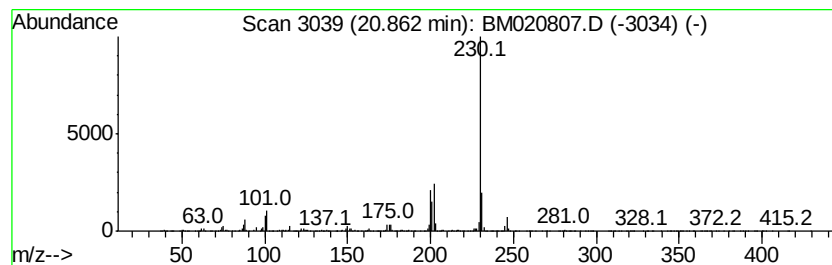
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.86	2.01 ng/ul	1215810	Chrysene-d12	21.38		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
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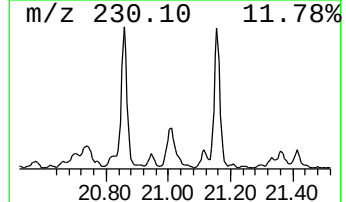
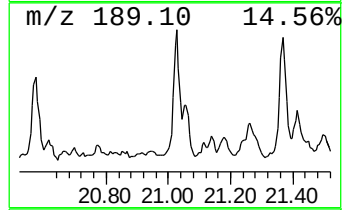
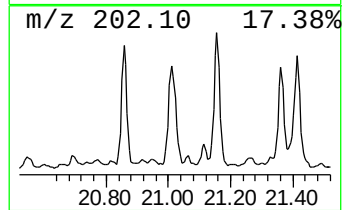
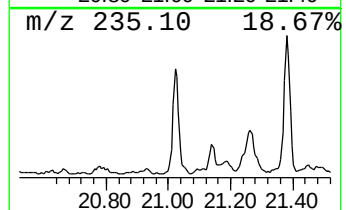
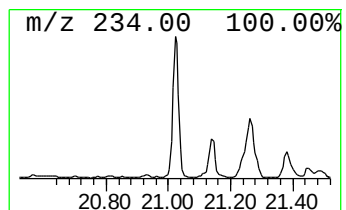
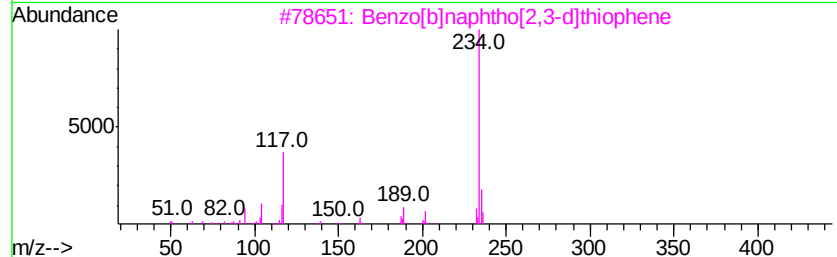
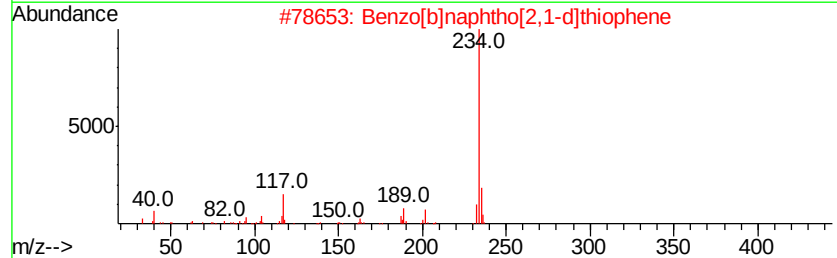
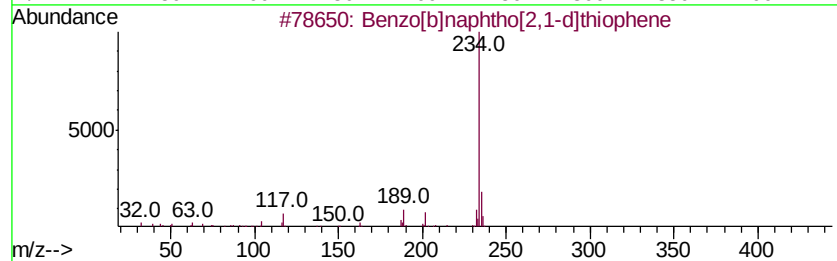
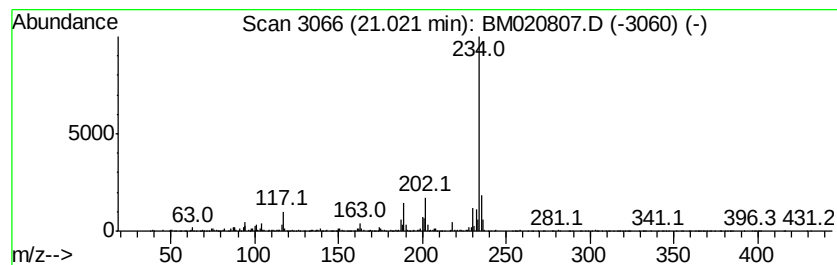
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.26 ng/ul	1365900	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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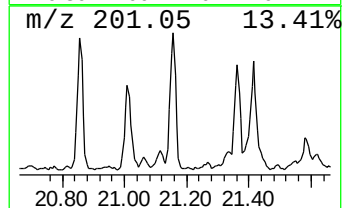
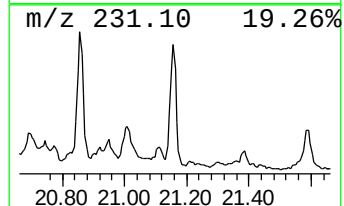
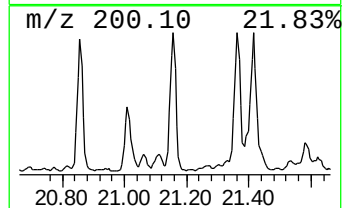
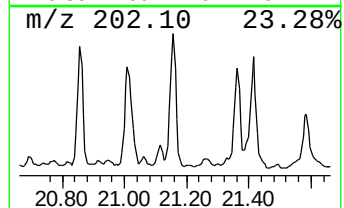
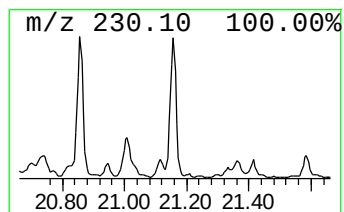
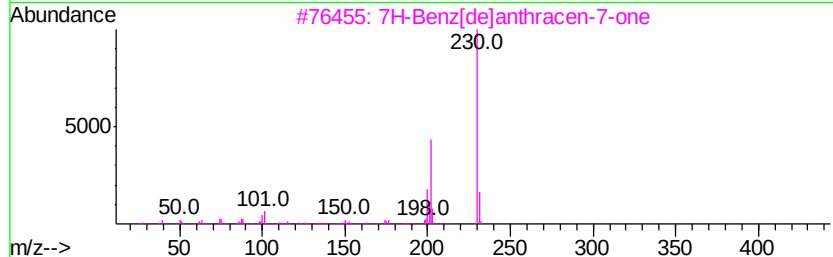
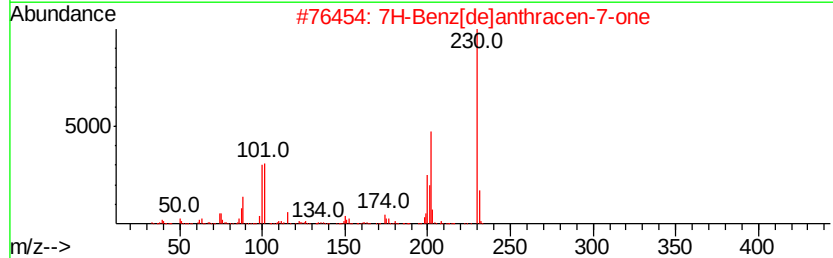
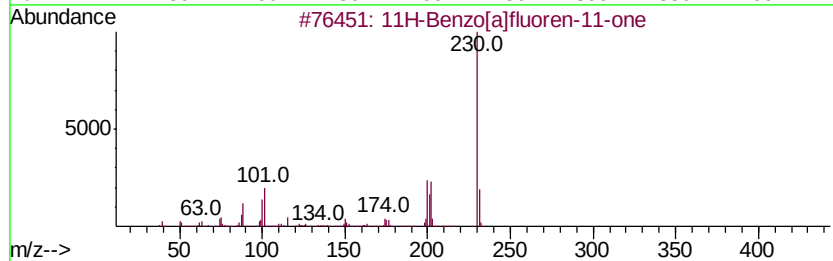
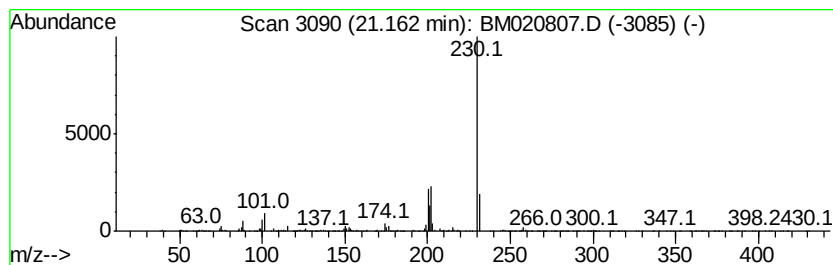
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.40 ng/ul	1451760	Chrysene-d12	21.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

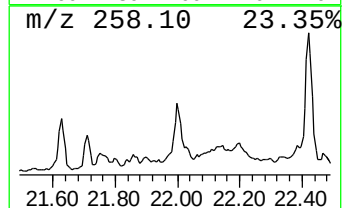
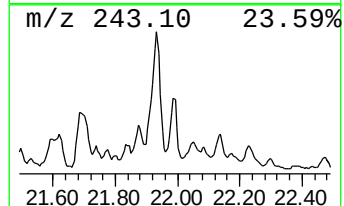
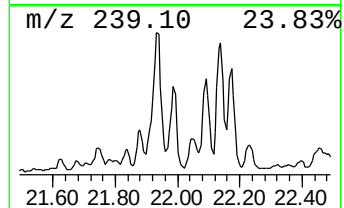
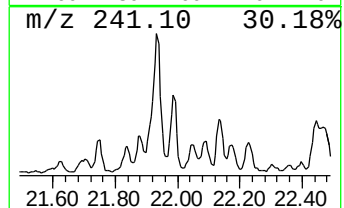
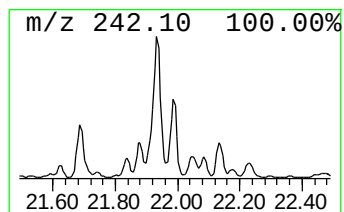
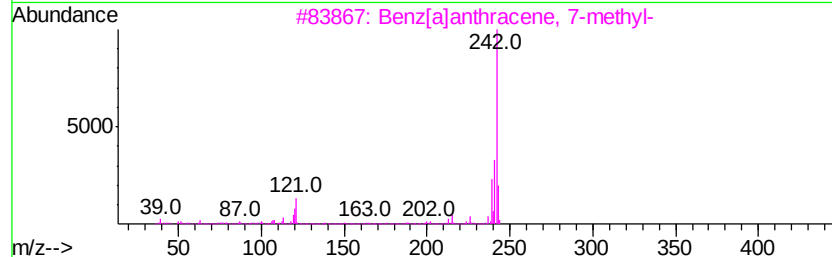
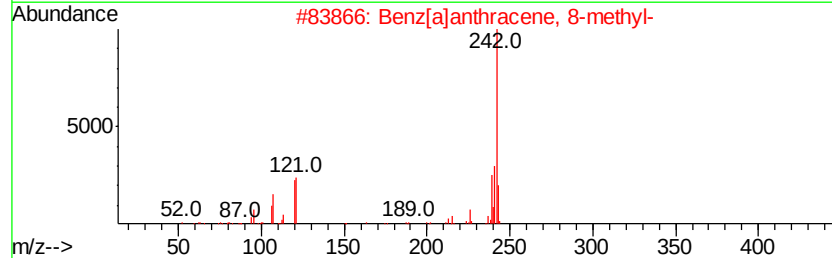
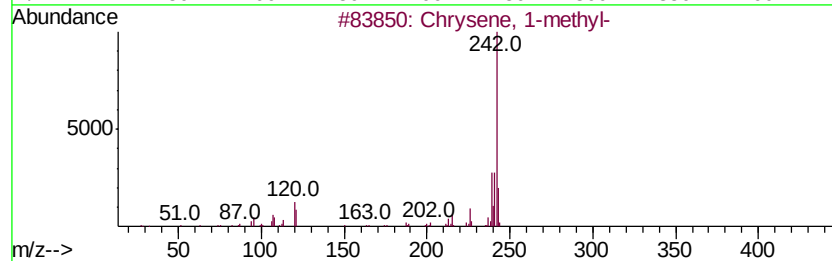
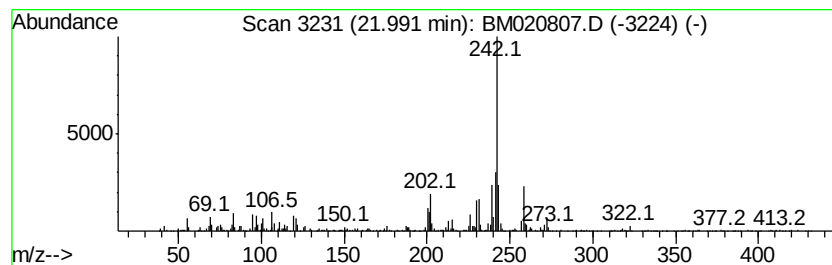
Instrument :
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ClientSampleId :
C0AB9DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 Chrysene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.48 ng/ul	1501510	Chrysene-d12	21.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 1-methyl-	242 C19H14	003351-28-8 96
2		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 89
3		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 86
4		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 86
5		Benz[a]anthracene, 1-methyl-	242 C19H14	002498-77-3 83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020807.D
Acq On : 07 Jun 2019 17:03
Operator : HP/JU
Sample : K3201-08DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB9DL

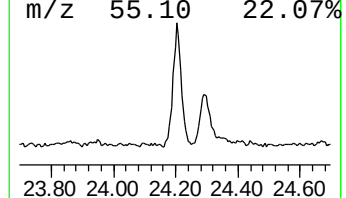
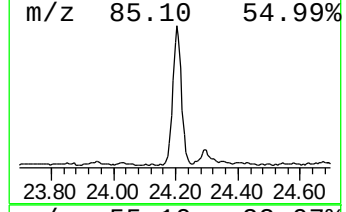
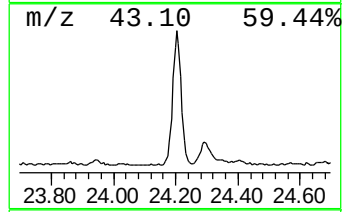
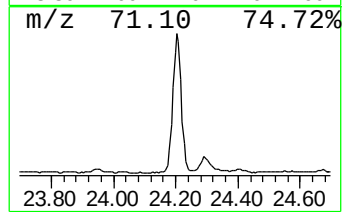
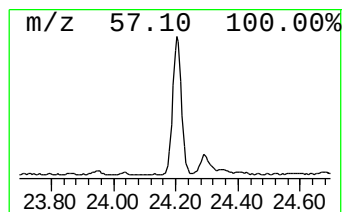
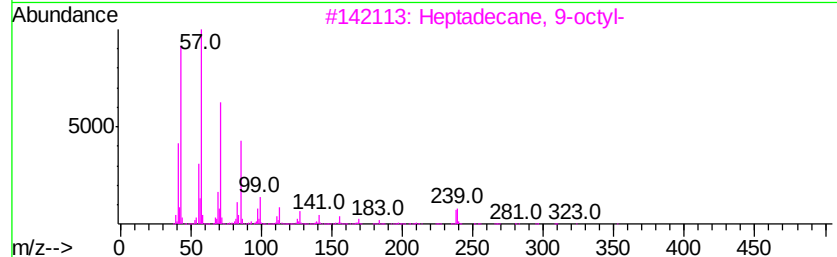
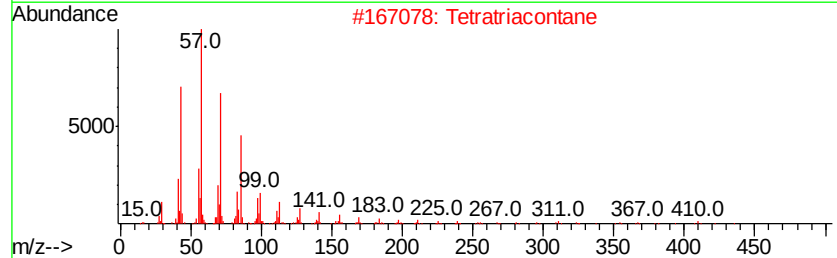
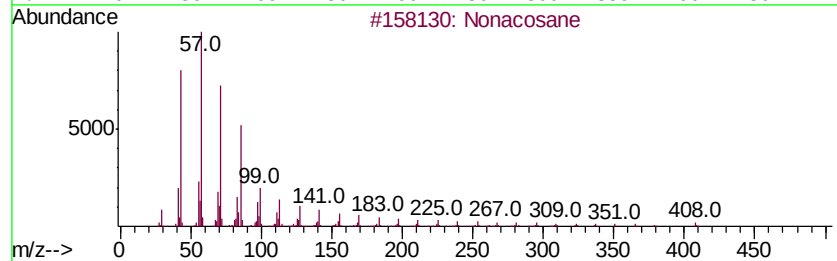
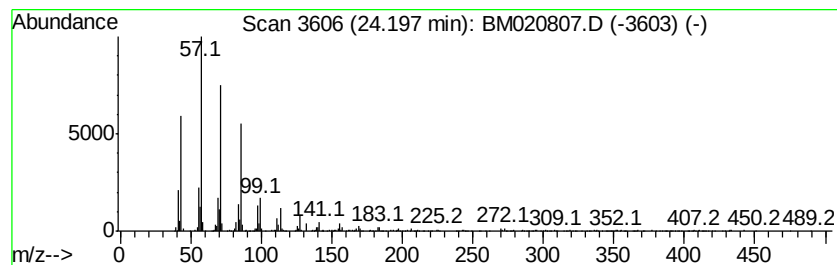
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	7.95 ng/ul	1724420	Perylene-d12	23.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonacosane	408	C29H60	000630-03-5	95
2		Tetratriacontane	479	C34H70	014167-59-0	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020807.D
 Acq On : 07 Jun 2019 17:03
 Operator : HP/JU
 Sample : K3201-08DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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
Butane, 2-methoxy...	3.05	70.3	ng/ul	6899420	1	7.82	1962030	20.0
5H-Dibenzo[a,d]cy...	18.07	8.5	ng/ul	1686140	4	17.20	3958380	20.0
1H-Cyclopropa[l]p...	18.12	7.1	ng/ul	1410480	4	17.20	3958380	20.0
Anthracene, 9-met...	18.20	2.5	ng/ul	492245	4	17.20	3958380	20.0
4H-Cyclopenta[def...	18.26	8.9	ng/ul	1758720	4	17.20	3958380	20.0
Anthracene, 2-met...	18.30	3.3	ng/ul	647727	4	17.20	3958380	20.0
Naphthalene, 2-ph...	18.57	3.6	ng/ul	721477	4	17.20	3958380	20.0
9,10-Anthracenedione	18.62	3.8	ng/ul	746235	4	17.20	3958380	20.0
Phenanthrene, 2,5...	18.99	4.9	ng/ul	975429	4	17.20	3958380	20.0
unknown-01	19.05	2.8	ng/ul	562975	4	17.20	3958380	20.0
Cyclopenta(def)ph...	19.13	3.9	ng/ul	768984	4	17.20	3958380	20.0
Pyrene, 1-methyl-	19.94	2.6	ng/ul	1577850	5	21.38	12085200	20.0
11H-Benzo[b]fluorene	20.11	2.7	ng/ul	1642590	5	21.38	12085200	20.0
Fluoranthene, 2-m...	20.27	2.2	ng/ul	1304320	5	21.38	12085200	20.0
11H-Benzo[a]fluor...	20.86	2.0	ng/ul	1215810	5	21.38	12085200	20.0
Benzo[b]naphtho[2...	21.02	2.3	ng/ul	1365900	5	21.38	12085200	20.0
7H-Benz[de]anthra...	21.16	2.4	ng/ul	1451760	5	21.38	12085200	20.0
Chrysene, 1-methyl-	21.99	2.5	ng/ul	1501510	5	21.38	12085200	20.0
(DEL) Alkane: Str...	24.20	8.0	ng/ul	1724420	6	23.67	4340220	20.0