

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023180.D
 Acq On : 15 Oct 2019 23:21
 Operator : JU
 Sample : K5202-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB3

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-BM101419MA.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	3.204	34	37	47	rVB	64543	90661	0.74%	0.063%
2	3.710	120	123	130	rVB	44816	62128	0.51%	0.043%
3	3.846	141	146	152	rBV2	32325	53455	0.44%	0.037%
4	4.834	309	314	320	rVB	18629	30549	0.25%	0.021%
5	6.851	650	657	670	rBV	1097490	1904782	15.65%	1.323%
6	7.028	677	687	698	rBV	816738	1360562	11.18%	0.945%
7	7.222	713	720	728	rBV	1172160	1849939	15.20%	1.285%
8	7.686	791	799	807	rBV	1534941	2392033	19.65%	1.662%
9	8.386	910	918	926	rBV	1449813	2309288	18.97%	1.604%
10	8.498	933	937	944	rVB3	16806	31434	0.26%	0.022%
11	8.833	984	994	1003	rBV	1059924	1762768	14.48%	1.224%
12	9.328	1072	1078	1082	rVB2	18978	30235	0.25%	0.021%
13	9.551	1105	1116	1123	rBV	770048	1240488	10.19%	0.862%
14	10.086	1200	1207	1217	rVB	1443781	2367108	19.45%	1.644%
15	10.469	1264	1272	1278	rBV	2197698	3711390	30.49%	2.578%
16	10.516	1278	1280	1286	rVB	182585	267707	2.20%	0.186%
17	10.598	1286	1294	1305	rBV	1262174	2155031	17.71%	1.497%
18	12.063	1536	1543	1548	rVB2	29321	53843	0.44%	0.037%
19	12.139	1550	1556	1562	rBV	81044	130343	1.07%	0.091%
20	12.357	1586	1593	1599	rBV	41009	62925	0.52%	0.044%
21	13.163	1725	1730	1738	rVV3	38744	69552	0.57%	0.048%
22	13.245	1740	1744	1749	rBV6	16229	30984	0.25%	0.022%
23	13.492	1779	1786	1787	rBV2	35479	47900	0.39%	0.033%
24	13.657	1809	1814	1818	rVV2	93206	148165	1.22%	0.103%
25	13.745	1823	1829	1833	rVV	2846125	3910261	32.13%	2.716%
26	13.792	1833	1837	1844	rVB	1141146	1584259	13.02%	1.100%
27	13.886	1850	1853	1857	rBV2	30171	35076	0.29%	0.024%
28	14.015	1864	1875	1886	rBV	3158503	5189100	42.63%	3.604%
29	14.327	1921	1928	1934	rVV	3620869	5305607	43.59%	3.685%
30	14.392	1934	1939	1947	rVB	213902	331067	2.72%	0.230%
31	14.510	1953	1959	1972	rBV	633517	983258	8.08%	0.683%
32	14.662	1981	1985	1990	rVB6	27072	41238	0.34%	0.029%
33	14.751	1990	2000	2006	rVV2	517221	963944	7.92%	0.670%
34	14.810	2007	2010	2016	rVB3	30614	47139	0.39%	0.033%

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35	14.957	2028	2035	2040	rBV5	27088	72217	0.59%	0.050%
36	15.004	2040	2043	2049	rVB3	34427	54793	0.45%	0.038%
37	15.157	2067	2069	2073	rVB3	28536	33553	0.28%	0.023%
38	15.204	2073	2077	2079	rBV	27971	41382	0.34%	0.029%
39	15.321	2091	2097	2103	rVV	4201639	6055092	49.75%	4.206%
40	15.380	2103	2107	2111	rVV	414167	581832	4.78%	0.404%
41	15.433	2111	2116	2121	rVV	589738	787291	6.47%	0.547%
42	15.562	2135	2138	2142	rVB3	40154	52934	0.43%	0.037%
43	15.627	2147	2149	2153	rVV5	25745	40179	0.33%	0.028%
44	15.674	2153	2157	2168	rVB	115247	207811	1.71%	0.144%
45	15.792	2172	2177	2179	rVV	49295	80277	0.66%	0.056%
46	15.821	2179	2182	2190	rVB	129328	249456	2.05%	0.173%
47	15.909	2192	2197	2202	rVB2	40275	69818	0.57%	0.048%
48	16.015	2210	2215	2218	rBV	79752	126220	1.04%	0.088%
49	16.386	2270	2278	2283	rBV2	114697	234122	1.92%	0.163%
50	16.427	2283	2285	2292	rVB	49229	72922	0.60%	0.051%
51	16.533	2299	2303	2308	rVB2	65776	106087	0.87%	0.074%
52	16.615	2314	2317	2320	rBV	66613	75195	0.62%	0.052%
53	16.656	2321	2324	2327	rVV3	57125	64823	0.53%	0.045%
54	16.809	2346	2350	2356	rBV2	84749	144268	1.19%	0.100%
55	16.886	2359	2363	2368	rVB	144357	222879	1.83%	0.155%
56	17.068	2388	2394	2398	rBV2	4207047	6323744	51.96%	4.393%
57	17.115	2398	2402	2406	rVV	2422324	3429869	28.18%	2.382%
58	17.168	2406	2411	2415	rVV	4631238	6762686	55.56%	4.697%
59	17.203	2415	2417	2423	rVB	1022220	1127660	9.27%	0.783%
60	17.262	2423	2427	2433	rBV3	162997	277549	2.28%	0.193%
61	17.468	2459	2462	2467	rVB	87727	115717	0.95%	0.080%
62	17.598	2482	2484	2490	rVB2	61917	88412	0.73%	0.061%
63	17.945	2539	2543	2547	rBV	296250	418823	3.44%	0.291%
64	17.992	2547	2551	2559	rVB	663559	931002	7.65%	0.647%
65	18.074	2560	2565	2570	rBV2	332099	493034	4.05%	0.342%
66	18.139	2571	2576	2580	rBV2	629208	1007167	8.28%	0.700%
67	18.450	2625	2629	2634	rBV	285248	373615	3.07%	0.260%
68	18.868	2695	2700	2705	rBV3	273017	484376	3.98%	0.336%
69	19.127	2739	2744	2752	rVB	5097939	6931939	56.95%	4.815%
70	19.280	2766	2770	2774	rBV	643156	815105	6.70%	0.566%
71	19.462	2796	2801	2804	rBV	6480735	9506506	78.11%	6.603%

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72	19.492	2804	2806	2810	rVB	3816059	4237585	34.82%	2.943%
73	19.568	2816	2819	2827	rVB3	253091	475917	3.91%	0.331%
74	19.674	2834	2837	2844	rVB	316749	366173	3.01%	0.254%
75	19.821	2857	2862	2868	rBV2	308856	709809	5.83%	0.493%
76	19.956	2882	2885	2887	rBV3	247364	332708	2.73%	0.231%
77	19.992	2887	2891	2898	rVB	1249370	1677809	13.79%	1.165%
78	20.092	2904	2908	2912	rVB	1243368	1510421	12.41%	1.049%
79	20.150	2913	2918	2923	rVB3	463157	722150	5.93%	0.502%
80	20.244	2930	2934	2938	rBV2	362488	530994	4.36%	0.369%
81	20.550	2984	2986	2989	rBV3	186931	187508	1.54%	0.130%
82	20.903	3043	3046	3049	rVB	308759	323786	2.66%	0.225%
83	20.944	3050	3053	3056	rVV	320254	349538	2.87%	0.243%
84	21.003	3056	3063	3070	rVB4	568850	1335169	10.97%	0.927%
85	21.256	3099	3106	3110	rBV2	6476639	12171029	100.00%	8.454%
86	21.291	3110	3112	3120	rVB	2347360	2630378	21.61%	1.827%
87	21.409	3129	3132	3136	rBV	333881	415187	3.41%	0.288%
88	21.450	3137	3139	3145	rVB	396930	487452	4.01%	0.339%
89	21.562	3155	3158	3165	rVB2	284070	398424	3.27%	0.277%
90	21.891	3211	3214	3218	rVB	382496	424030	3.48%	0.295%
91	22.033	3235	3238	3244	rVB2	465079	659513	5.42%	0.458%
92	22.356	3290	3293	3297	rVB	572905	712501	5.85%	0.495%
93	22.809	3365	3370	3375	rBV	1639663	3680192	30.24%	2.556%
94	22.980	3395	3399	3404	rVB	446443	728711	5.99%	0.506%
95	23.280	3446	3450	3453	rBV	713953	1155584	9.49%	0.803%
96	23.332	3453	3459	3463	rVV	3456624	6347503	52.15%	4.409%
97	23.374	3463	3466	3472	rVB	1529440	2482406	20.40%	1.724%
98	23.474	3473	3483	3488	rBV	3239965	6865244	56.41%	4.769%
99	24.091	3584	3588	3596	rVB	476395	809028	6.65%	0.562%
100	25.697	3854	3861	3875	rVB4	611162	2224194	18.27%	1.545%

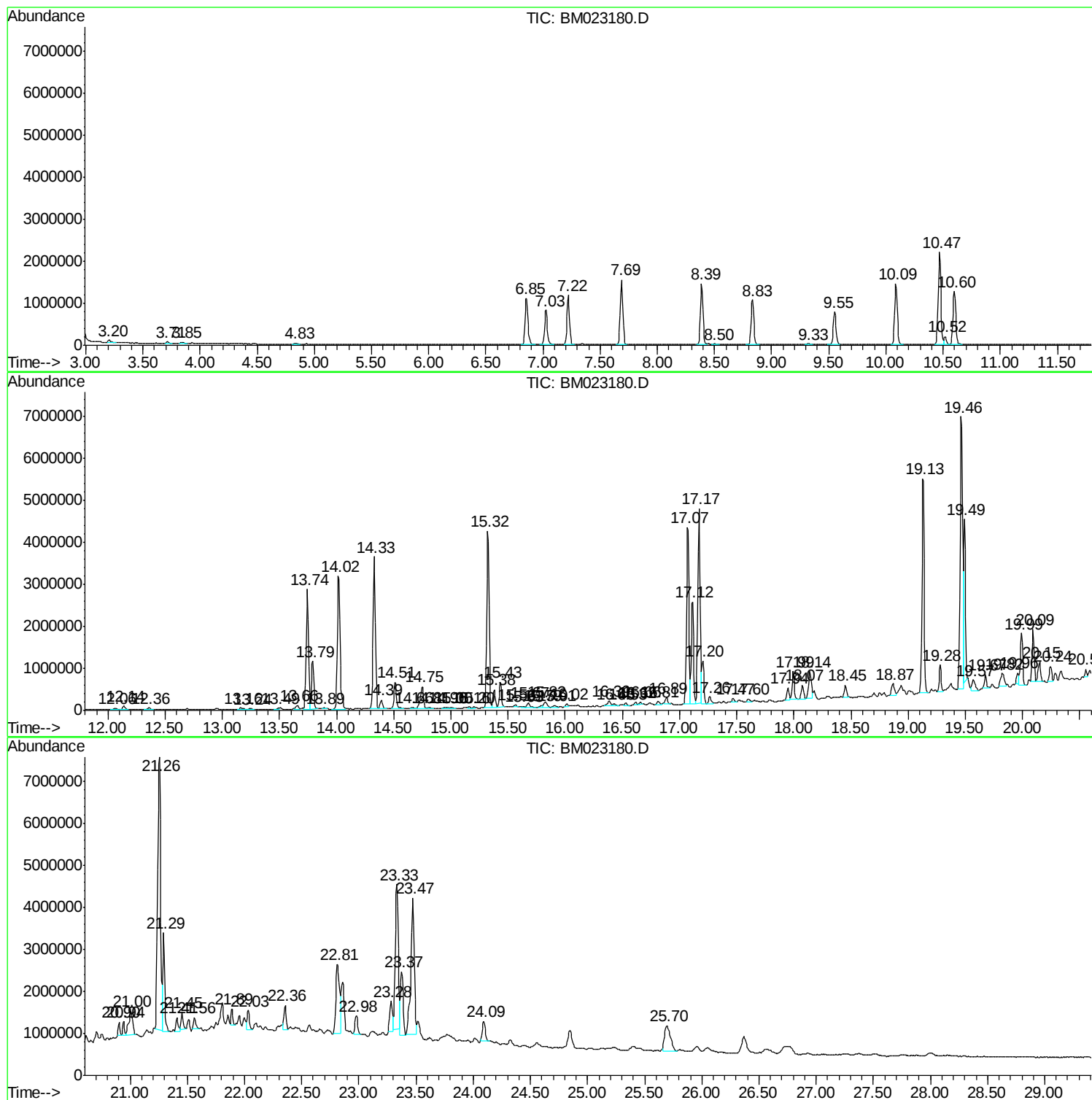
Sum of corrected areas: 143965517

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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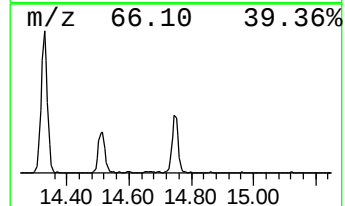
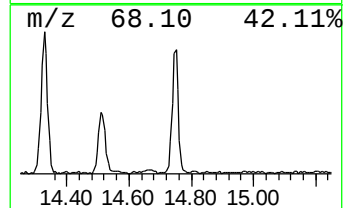
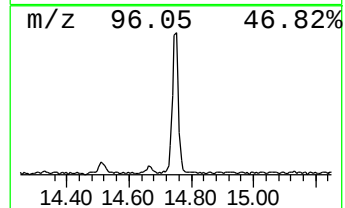
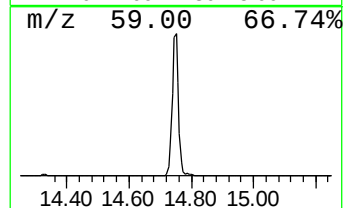
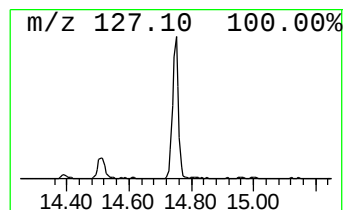
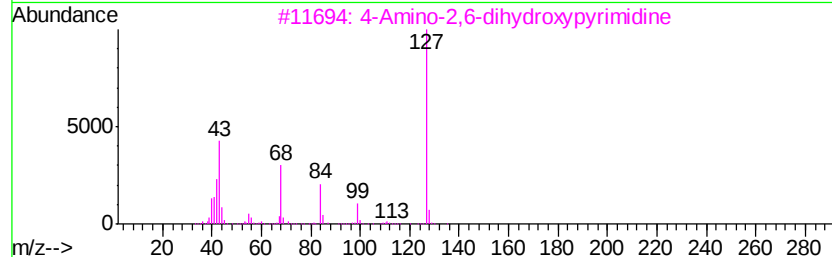
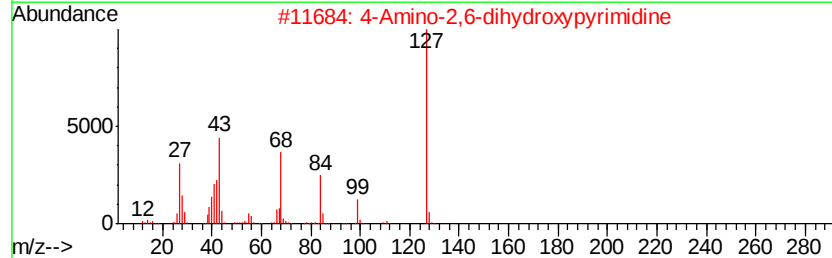
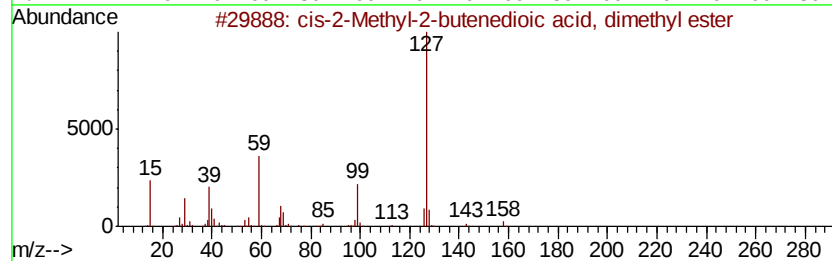
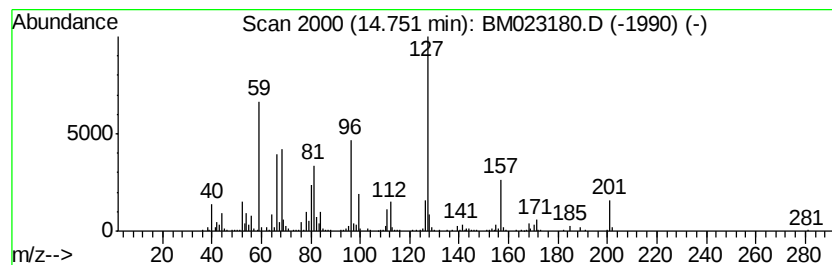
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.63 ng/ul	963944	Acenaphthene-d10	14.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		cis-2-Methyl-2-butenedioic acid,...	158 C7H10O4	000617-54-9 25
2		4-Amino-2,6-dihydroxypvrimidine	127 C4H5N3O2	000873-83-6 14
3		4-Amino-2,6-dihydroxypvrimidine	127 C4H5N3O2	000873-83-6 14
4		1H-Imidazole, 1-methyl-4-nitro-	127 C4H5N3O2	003034-41-1 11
5		1-Methyl-3-nitropyrazole	127 C4H5N3O2	054210-32-1 11



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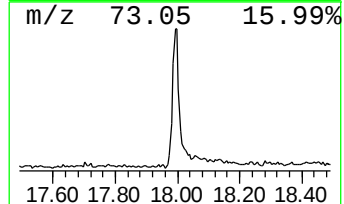
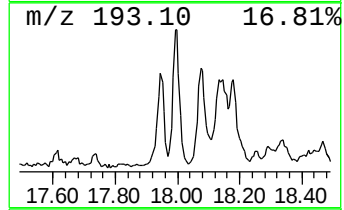
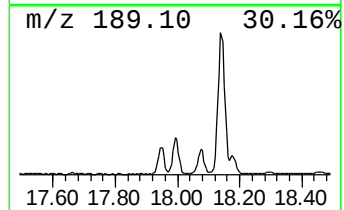
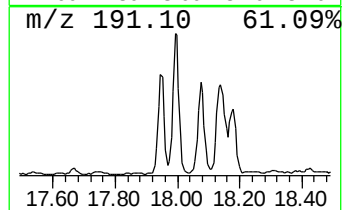
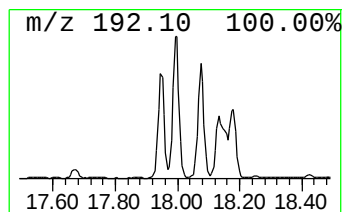
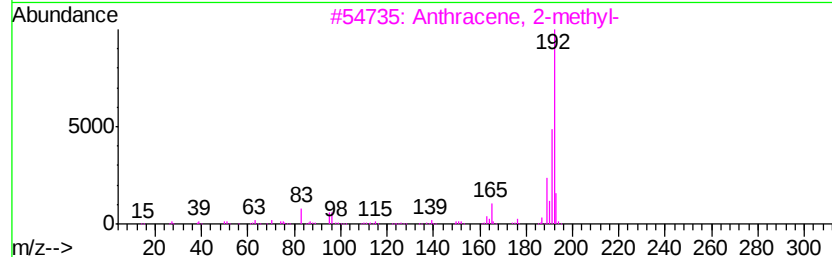
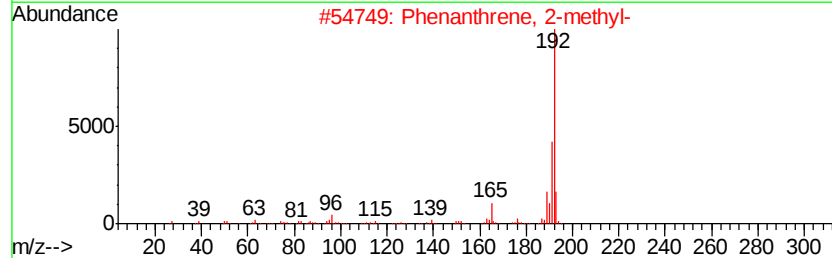
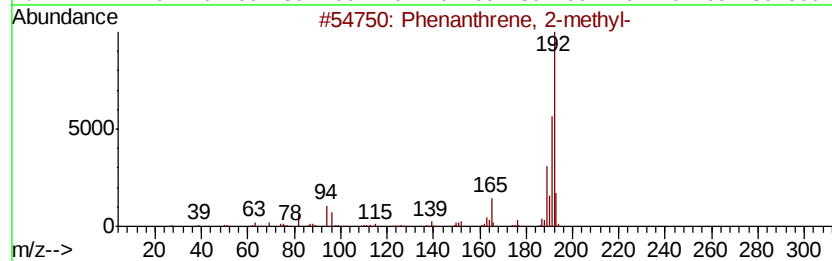
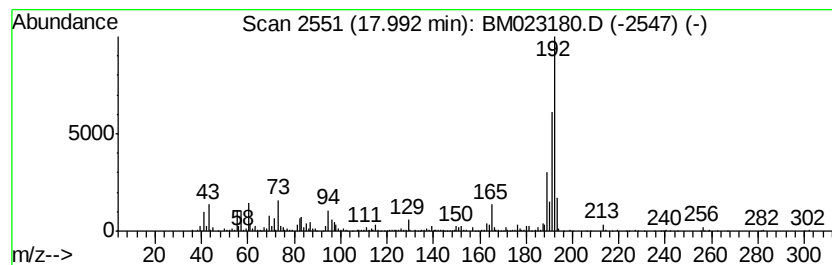
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TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.99	2.94 ng/ul	931002	Phenanthrene-d10		17.07
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



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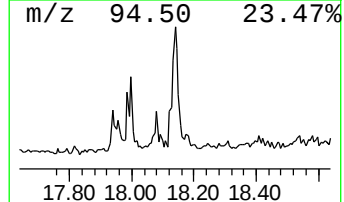
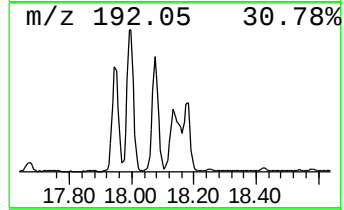
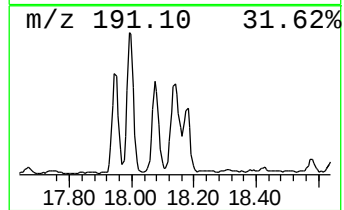
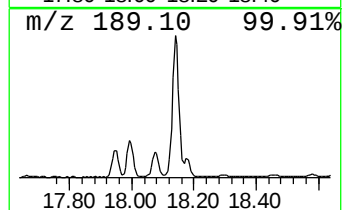
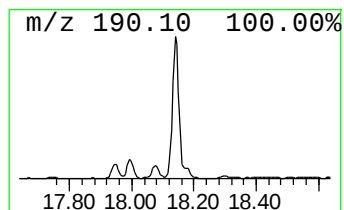
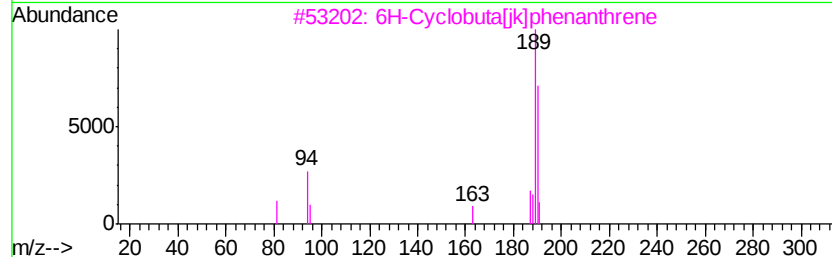
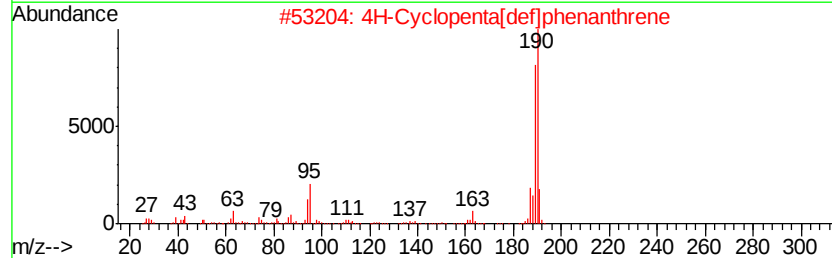
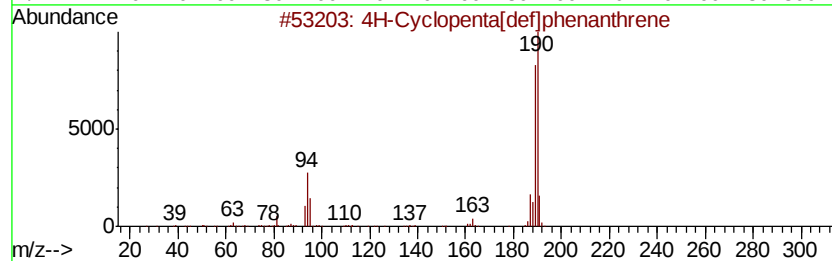
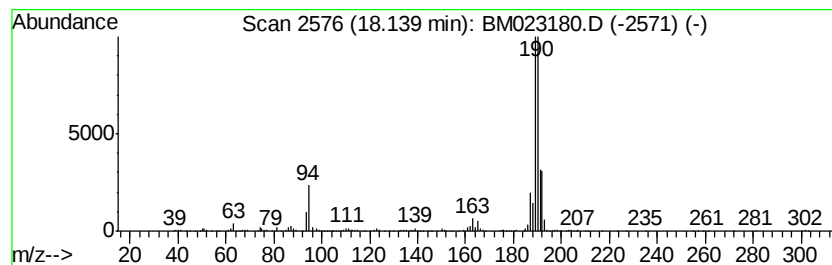
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.14	3.19 ng/ul	1007170	Phenanthrene-d10	17.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AB3

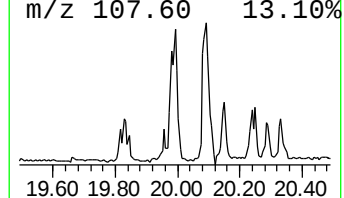
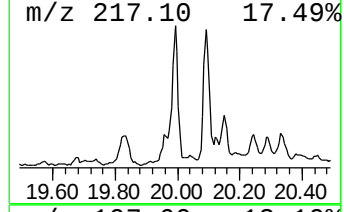
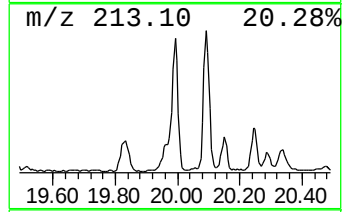
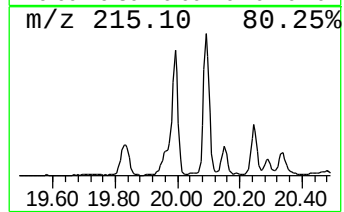
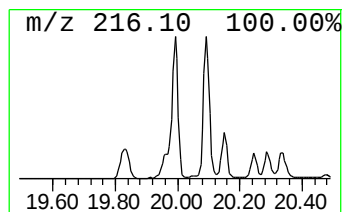
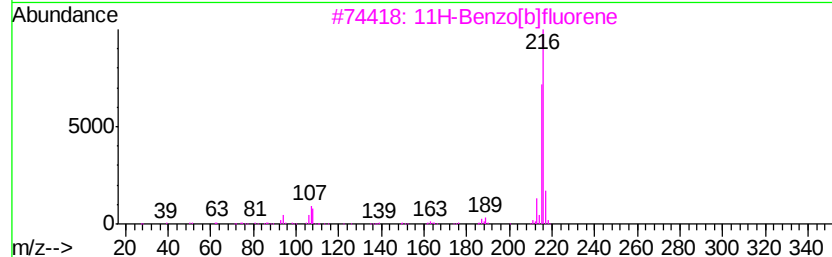
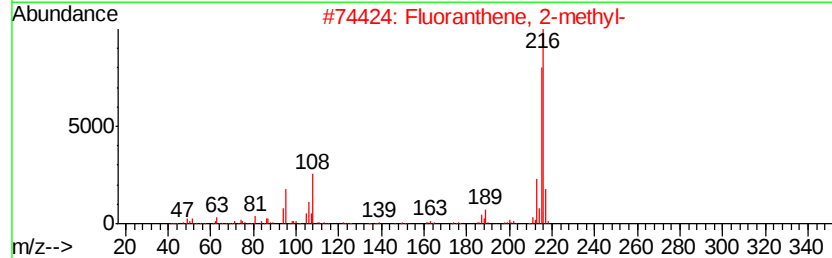
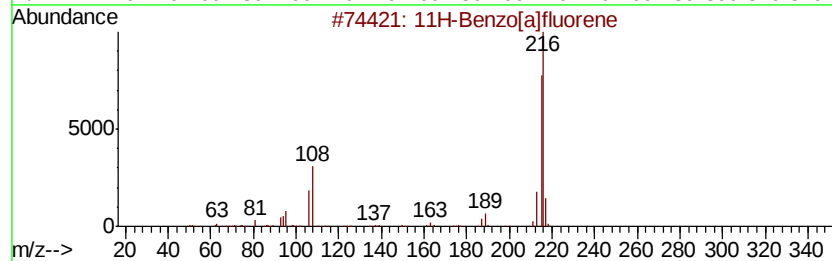
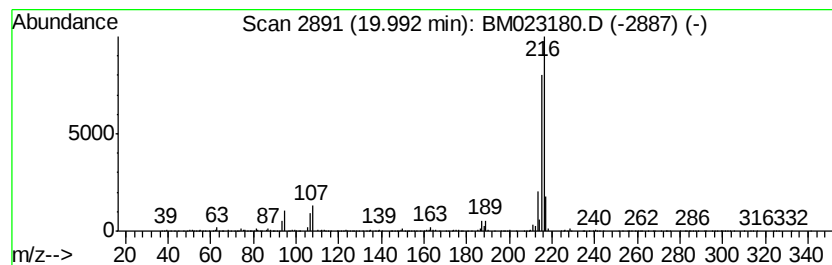
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.76 ng/ul	1677810	Chrysene-d12	21.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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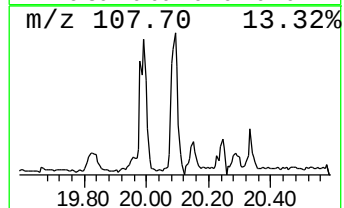
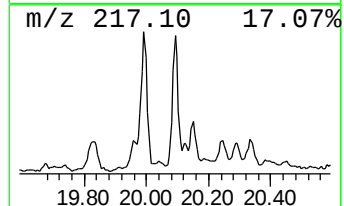
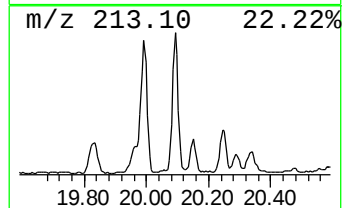
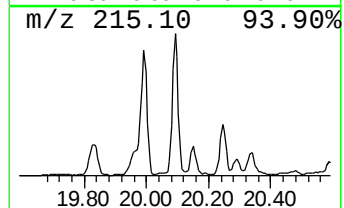
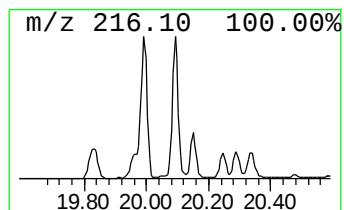
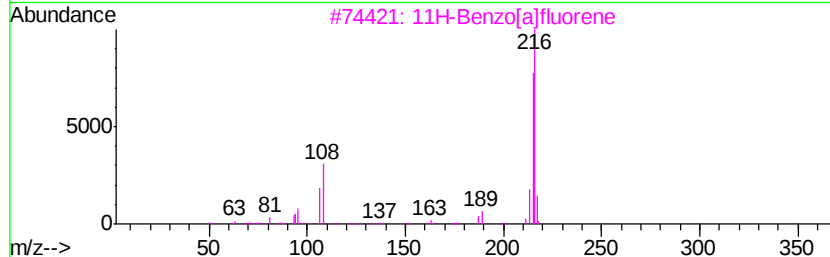
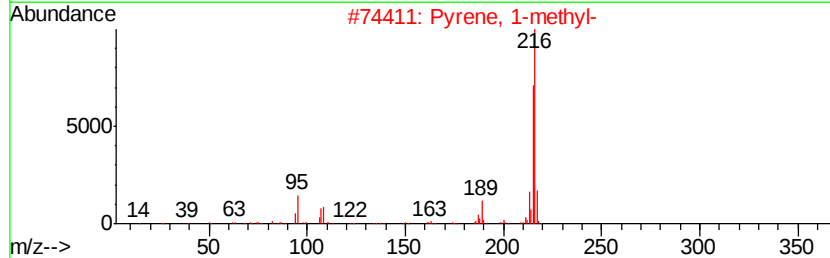
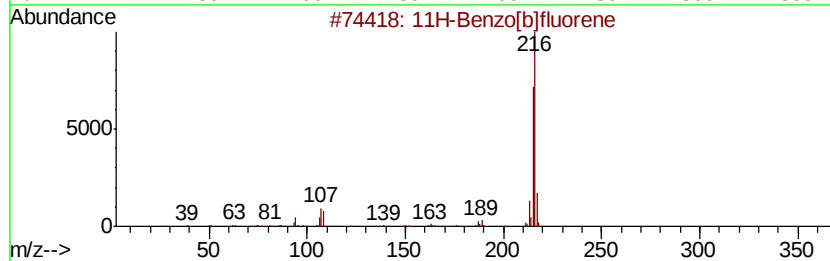
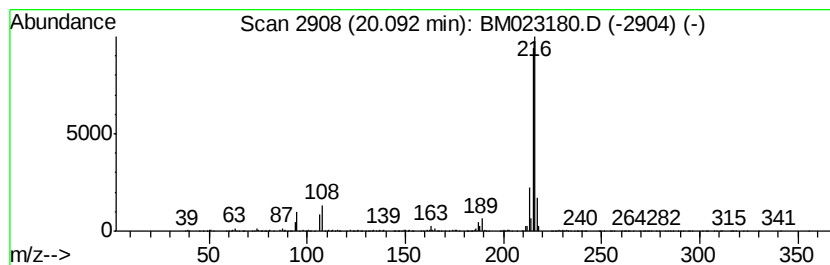
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.48 ng/ul	1510420	Chrysene-d12	21.26

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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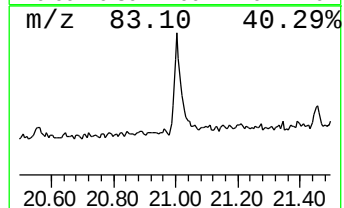
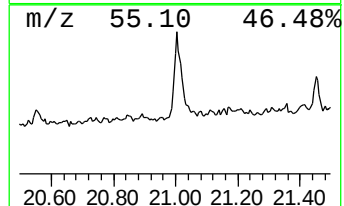
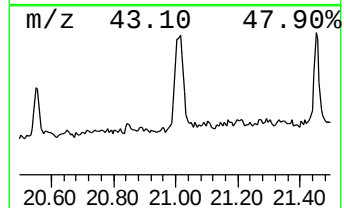
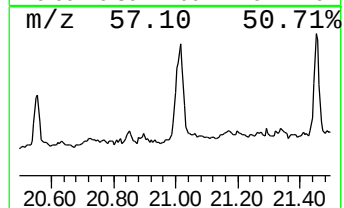
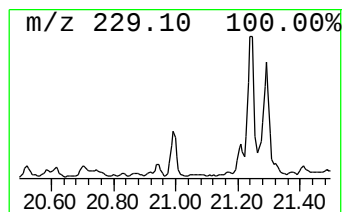
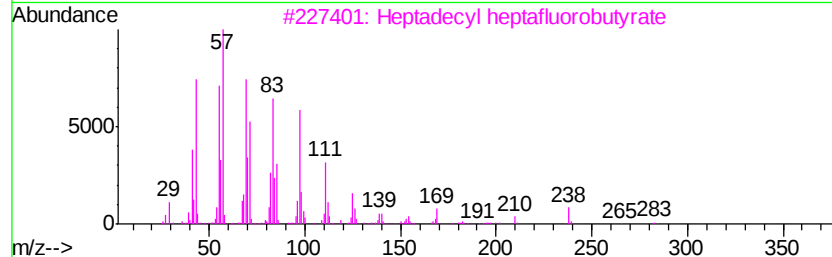
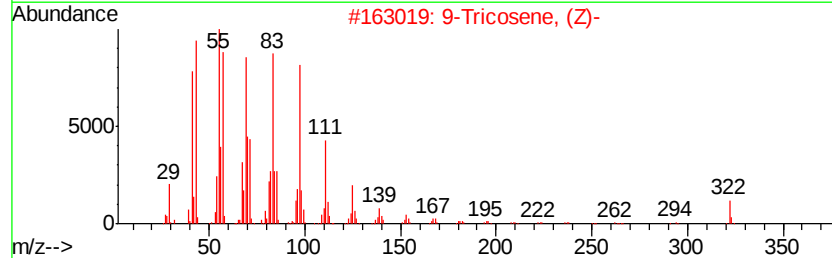
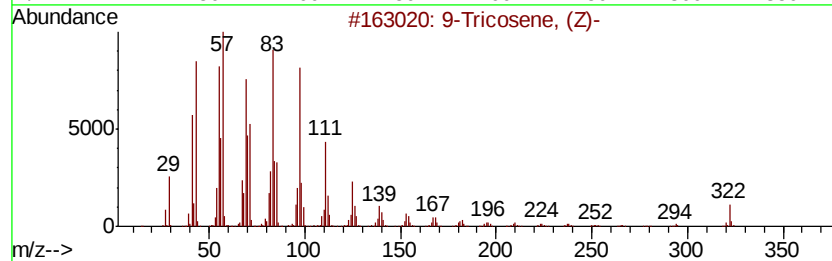
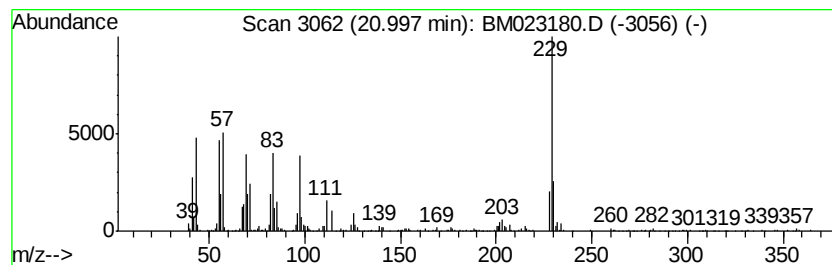
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic21.00 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.19 ng/ul	1335170	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
2		9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
3		Heptadecyl heptafluorobutvrate	452	C21H35F7O2	959085-66-6	90
4		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
5		1-Heneicosanol	312	C21H44O	015594-90-8	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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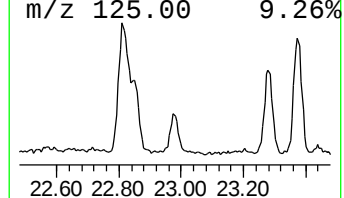
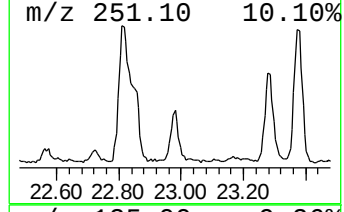
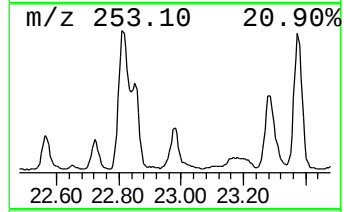
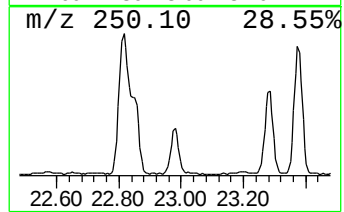
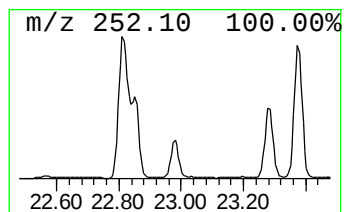
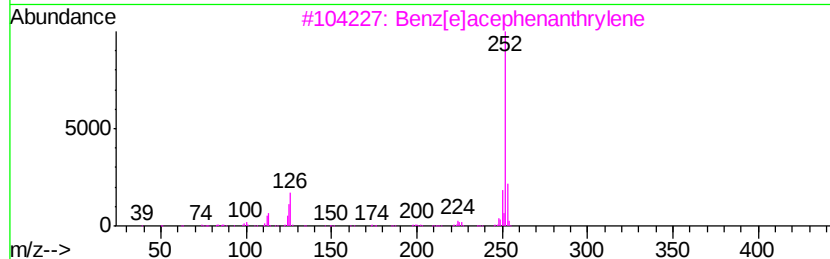
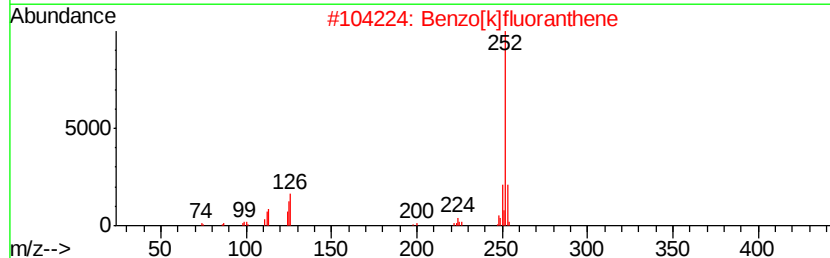
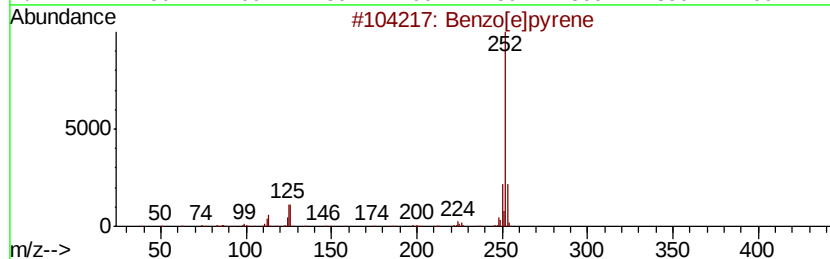
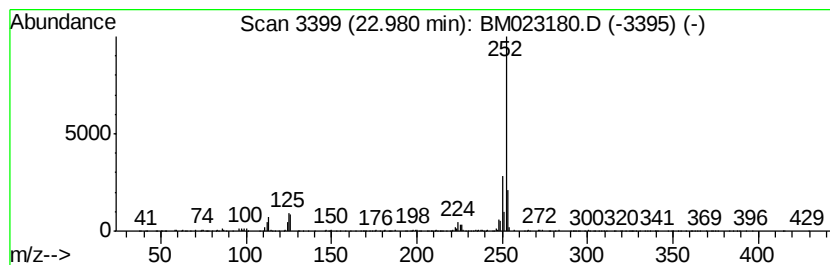
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.98	2.12 ng/ul	728711	Perylene-d12	23.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
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Instrument :
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ClientSampleId :
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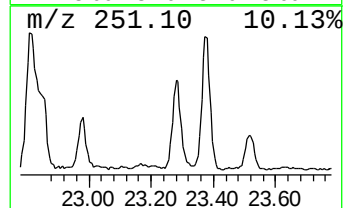
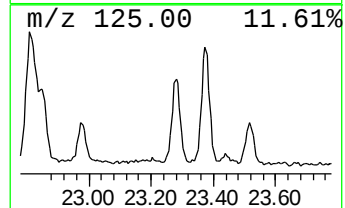
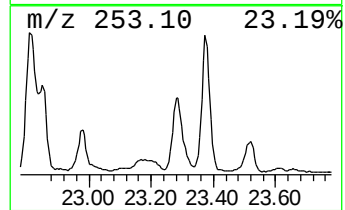
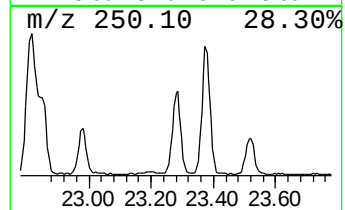
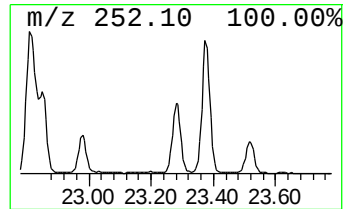
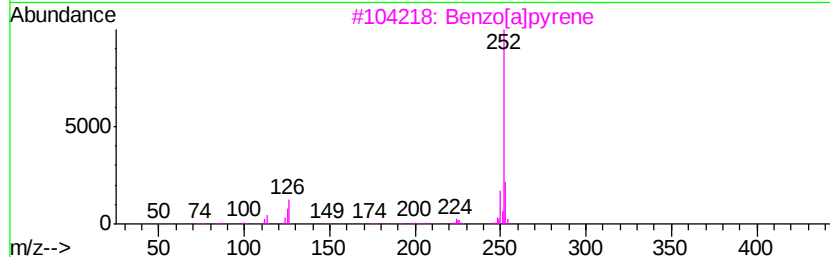
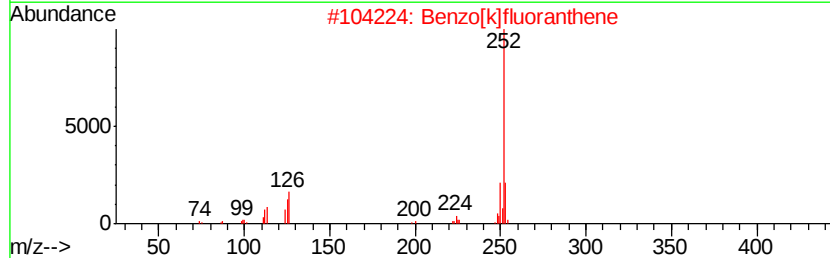
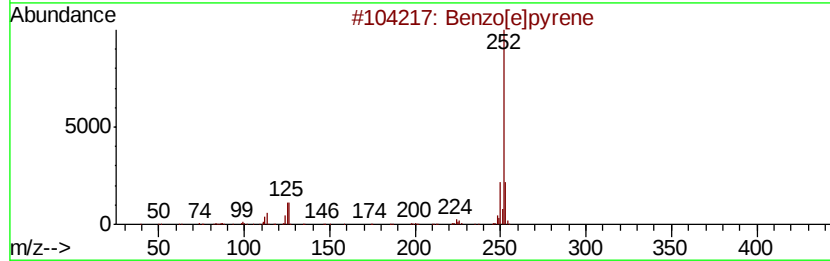
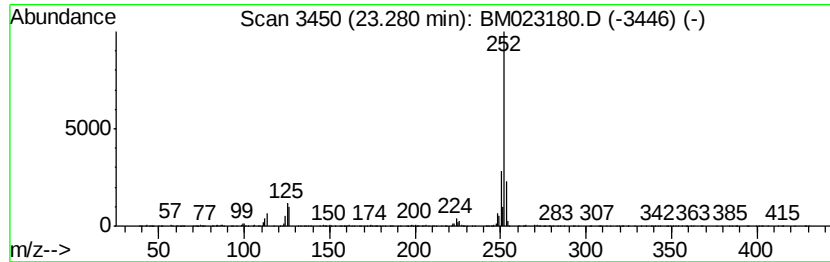
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	3.37 ng/ul	1155580	Perylene-d12	23.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
5		Perylene	252	C20H12	000198-55-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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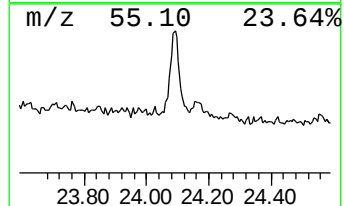
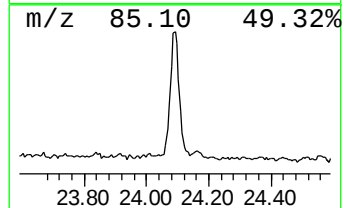
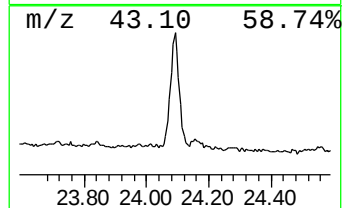
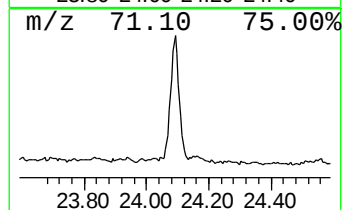
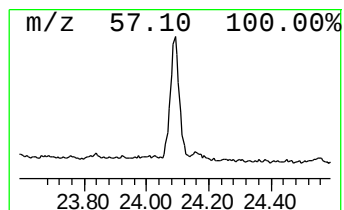
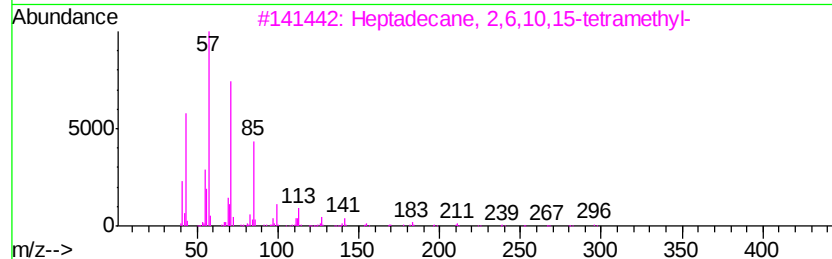
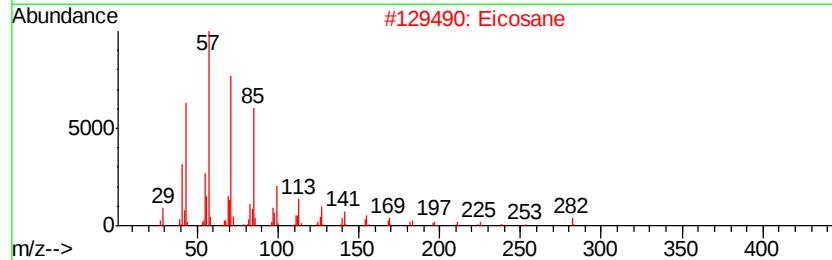
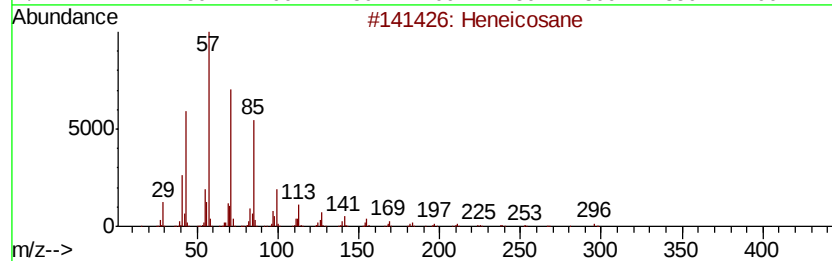
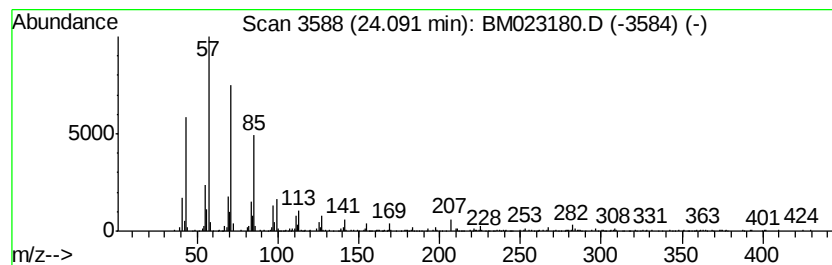
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	2.36 ng/ul	809028	Perylene-d12	23.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Eicosane	282	C20H42	000112-95-8	94
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
4		Eicosane	282	C20H42	000112-95-8	93
5		Tricosane	324	C23H48	000638-67-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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
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Phenanthrene, 2-m...	17.99	2.9	ng/ul	931002	4	17.07	6323740	20.0
4H-Cyclopenta[def...	18.14	3.2	ng/ul	1007170	4	17.07	6323740	20.0
11H-Benzo[a]fluorene	19.99	2.8	ng/ul	1677810	5	21.26	12171000	20.0
11H-Benzo[b]fluorene	20.09	2.5	ng/ul	1510420	5	21.26	12171000	20.0
(DEL) Alkane: Cyc...	21.00	2.2	ng/ul	1335170	5	21.26	12171000	20.0
Benzo[e]pyrene	22.98	2.1	ng/ul	728711	6	23.47	6865240	20.0
Perylene	23.28	3.4	ng/ul	1155580	6	23.47	6865240	20.0
(DEL) Alkane: Str...	24.09	2.4	ng/ul	809028	6	23.47	6865240	20.0