

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022328.D
 Acq On : 26 Aug 2019 13:29
 Operator : HP/JU
 Sample : K4373-15DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4DL

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-BM082219MA.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	6.910	663	667	676	rBV	13404	25489	2.59%	0.246%
2	7.092	692	698	709	rBB2	19173	31714	3.22%	0.306%
3	7.545	770	775	787	rBB	120517	203791	20.68%	1.969%
4	7.898	831	835	843	rBB	40725	61619	6.25%	0.595%
5	8.075	861	865	870	rBB2	4321	6619	0.67%	0.064%
6	8.281	896	900	909	rBV	11644	19346	1.96%	0.187%
7	8.728	968	976	985	rBV2	23977	48984	4.97%	0.473%
8	9.016	1021	1025	1029	rVB2	4268	7228	0.73%	0.070%
9	9.433	1092	1096	1103	rBB2	20301	32862	3.33%	0.317%
10	9.569	1114	1119	1123	rBB	6267	8470	0.86%	0.082%
11	9.980	1184	1189	1202	rBB2	26855	51110	5.19%	0.494%
12	10.322	1238	1247	1250	rBV	195480	319840	32.45%	3.090%
13	10.369	1250	1255	1270	rVV	607650	985676	100.00%	9.522%
14	10.492	1270	1276	1285	rVB2	44746	76921	7.80%	0.743%
15	11.445	1431	1438	1441	rBV	5299	9140	0.93%	0.088%
16	11.886	1508	1513	1518	rBB	8250	11596	1.18%	0.112%
17	11.992	1524	1531	1538	rBB	32104	53489	5.43%	0.517%
18	12.216	1558	1569	1577	rBV	217523	357235	36.24%	3.451%
19	13.027	1702	1707	1714	rVB	20408	28719	2.91%	0.277%
20	13.227	1736	1741	1742	rBV2	4147	6088	0.62%	0.059%
21	13.245	1742	1744	1749	rVB3	7125	9308	0.94%	0.090%
22	13.357	1757	1763	1772	rBV4	17894	39529	4.01%	0.382%
23	13.516	1784	1790	1796	rVV2	55464	96461	9.79%	0.932%
24	13.568	1796	1799	1803	rVV2	9123	13475	1.37%	0.130%
25	13.633	1805	1810	1815	rVV	87832	122219	12.40%	1.181%
26	13.680	1815	1818	1823	rVV	9195	12448	1.26%	0.120%
27	13.757	1826	1831	1835	rBV	32914	49776	5.05%	0.481%
28	13.786	1835	1836	1840	rVB	11309	9165	0.93%	0.089%
29	13.898	1850	1855	1858	rBV	94994	141678	14.37%	1.369%
30	14.204	1901	1907	1912	rBV2	329830	482118	48.91%	4.657%
31	14.268	1912	1918	1926	rVB	622506	865884	87.85%	8.365%
32	14.368	1931	1935	1940	rBV2	13006	19550	1.98%	0.189%
33	14.439	1943	1947	1950	rVB3	3876	5798	0.59%	0.056%
34	14.510	1953	1959	1967	rBV	18113	28389	2.88%	0.274%

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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Title : SVOA CALIBRATION

35	14.610	1969	1976	1983	rVV	293984	413802	41.98%	3.997%
36	14.680	1986	1988	1993	rVB2	7241	8239	0.84%	0.080%
37	14.821	2006	2012	2017	rVV5	9043	15572	1.58%	0.150%
38	14.880	2018	2022	2025	rVV2	5639	8117	0.82%	0.078%
39	14.998	2039	2042	2045	rVV	4517	6837	0.69%	0.066%
40	15.204	2072	2077	2082	rVV	130447	187667	19.04%	1.813%
41	15.262	2082	2087	2095	rVV	210797	301299	30.57%	2.911%
42	15.357	2098	2103	2104	rBV	10732	11462	1.16%	0.111%
43	15.386	2104	2108	2111	rVV2	50978	74096	7.52%	0.716%
44	15.421	2111	2114	2119	rVV3	32117	44999	4.57%	0.435%
45	15.474	2119	2123	2127	rVV2	8422	12126	1.23%	0.117%
46	15.510	2127	2129	2133	rVV3	11918	16286	1.65%	0.157%
47	15.557	2133	2137	2144	rVB	24799	36475	3.70%	0.352%
48	15.686	2152	2159	2160	rBV3	10744	17339	1.76%	0.168%
49	15.715	2160	2164	2170	rVB2	25051	50434	5.12%	0.487%
50	15.798	2174	2178	2182	rVB	6886	8055	0.82%	0.078%
51	15.968	2201	2207	2216	rBV2	76499	124586	12.64%	1.204%
52	16.057	2218	2222	2227	rVB	21078	27494	2.79%	0.266%
53	16.268	2248	2258	2264	rBV4	23728	50067	5.08%	0.484%
54	16.321	2264	2267	2269	rVV2	6595	8945	0.91%	0.086%
55	16.421	2280	2284	2287	rVB	8243	8905	0.90%	0.086%
56	16.715	2331	2334	2338	rVB4	5843	6964	0.71%	0.067%
57	16.786	2338	2346	2351	rBV	43015	67666	6.86%	0.654%
58	16.886	2357	2363	2364	rBV4	5681	9563	0.97%	0.092%
59	16.968	2369	2377	2380	rBV2	462464	654771	66.43%	6.325%
60	17.009	2380	2384	2389	rVV	400361	522799	53.04%	5.050%
61	17.068	2389	2394	2397	rVV	165488	234236	23.76%	2.263%
62	17.104	2397	2400	2404	rVV	58652	82143	8.33%	0.794%
63	17.180	2408	2413	2418	rVB2	14725	19846	2.01%	0.192%
64	17.356	2438	2443	2444	rBV3	6241	7112	0.72%	0.069%
65	17.392	2444	2449	2454	rVB	68419	97917	9.93%	0.946%
66	17.515	2468	2470	2473	rVB2	8300	7580	0.77%	0.073%
67	17.562	2473	2478	2483	rBV4	8672	13446	1.36%	0.130%
68	17.633	2483	2490	2495	rBV5	9145	22419	2.27%	0.217%
69	17.839	2518	2525	2528	rVV2	28733	61689	6.26%	0.596%
70	17.898	2531	2535	2541	rVV4	43876	75013	7.61%	0.725%
71	17.986	2545	2550	2553	rVB3	10277	16057	1.63%	0.155%

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72	18.039	2553	2559	2572	rVB3	57646	119369	12.11%	1.153%
73	18.156	2572	2579	2585	rBV3	14499	33737	3.42%	0.326%
74	18.209	2585	2588	2592	rVB2	7589	8341	0.85%	0.081%
75	18.250	2592	2595	2600	rBV5	9078	13785	1.40%	0.133%
76	18.303	2600	2604	2609	rBV3	13631	18836	1.91%	0.182%
77	18.351	2609	2612	2614	rBV	11141	12976	1.32%	0.125%
78	18.445	2626	2628	2636	rVB8	7186	10571	1.07%	0.102%
79	18.586	2648	2652	2657	rBV6	8013	14438	1.46%	0.139%
80	18.645	2658	2662	2666	rVB5	7589	9373	0.95%	0.091%
81	18.692	2667	2670	2675	rVB5	8079	10270	1.04%	0.099%
82	18.762	2678	2682	2687	rBV5	5673	11685	1.19%	0.113%
83	19.039	2720	2729	2734	rBV	182382	244295	24.78%	2.360%
84	19.156	2745	2749	2755	rBV5	14202	18219	1.85%	0.176%
85	19.262	2763	2767	2769	rBV5	5100	9237	0.94%	0.089%
86	19.286	2769	2771	2775	rVB3	8559	7642	0.78%	0.074%
87	19.374	2781	2786	2789	rBV	244832	338392	34.33%	3.269%
88	19.403	2789	2791	2795	rVV	110250	125606	12.74%	1.213%
89	19.439	2795	2797	2800	rVB3	7949	9027	0.92%	0.087%
90	19.592	2820	2823	2826	rBV	5608	7543	0.77%	0.073%
91	19.803	2855	2859	2862	rBV	17921	20174	2.05%	0.195%
92	19.903	2871	2876	2883	rVB2	27000	47141	4.78%	0.455%
93	20.003	2890	2893	2898	rVB	18168	20400	2.07%	0.197%
94	20.050	2898	2901	2902	rBV3	5520	5823	0.59%	0.056%
95	20.150	2915	2918	2920	rBV3	5145	7137	0.72%	0.069%
96	20.539	2980	2984	2993	rBV	40642	72221	7.33%	0.698%
97	21.180	3087	3093	3097	rBV	573109	757792	76.88%	7.321%
98	22.668	3343	3346	3350	rVB	38260	45526	4.62%	0.440%
99	23.227	3435	3441	3447	rVB2	111125	239343	24.28%	2.312%
100	23.368	3459	3465	3473	rVB	297044	538903	54.67%	5.206%

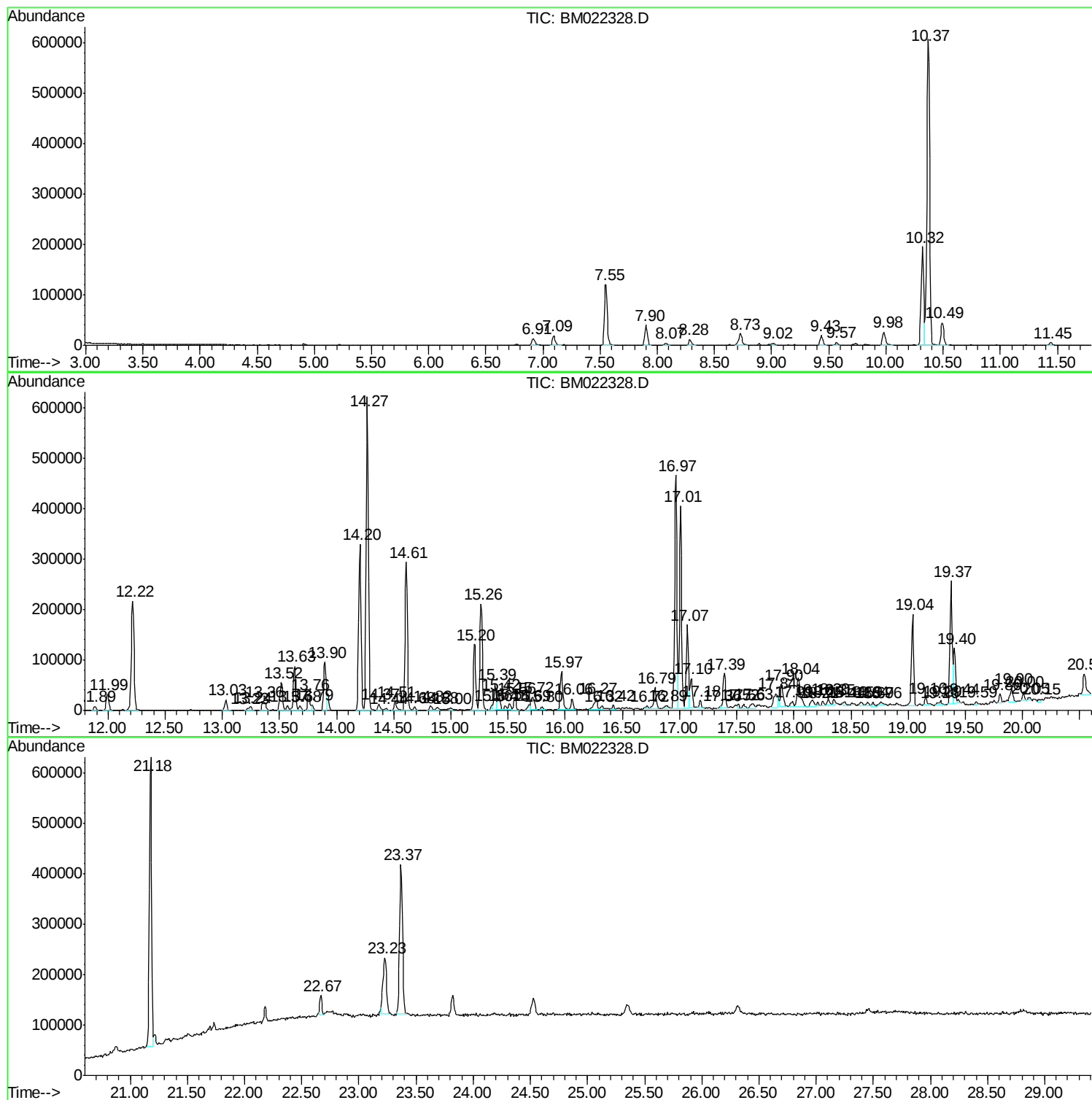
Sum of corrected areas: 10351559

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



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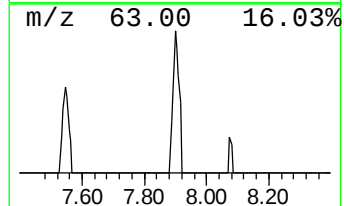
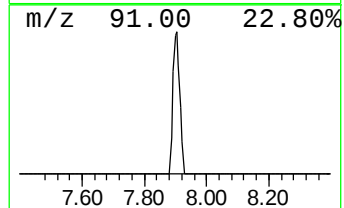
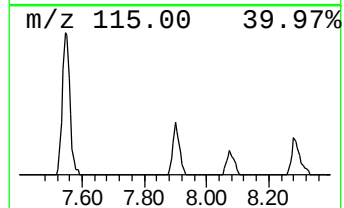
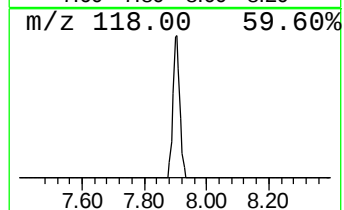
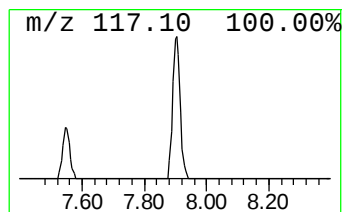
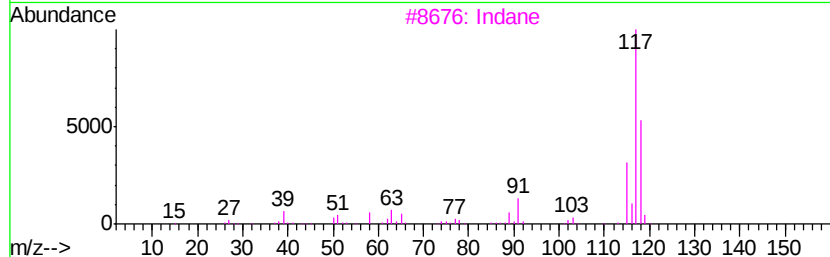
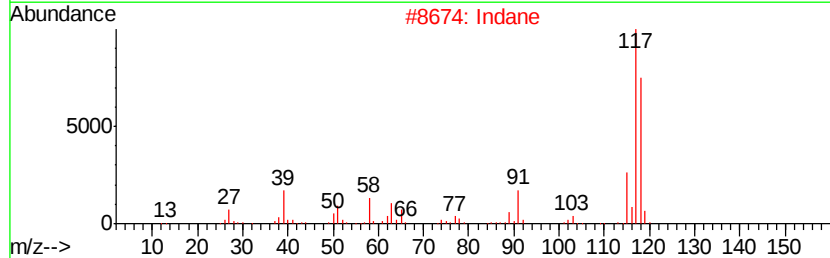
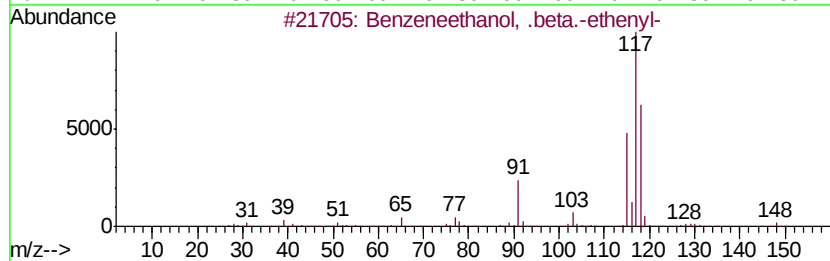
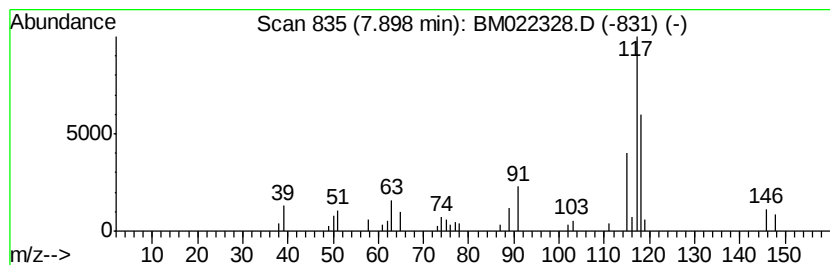
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzeneethanol, .beta.-ethe... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	6.05 ng/ul	61619	1,4-Dichlorobenzene-d4	7.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	80
2			Indane	118	C9H10	000496-11-7	62
3			Indane	118	C9H10	000496-11-7	58
4			cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	58
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	52



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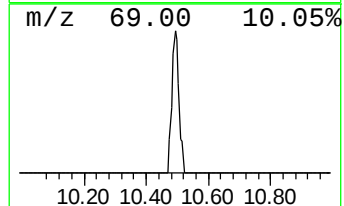
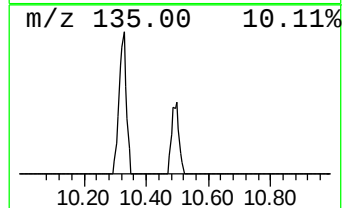
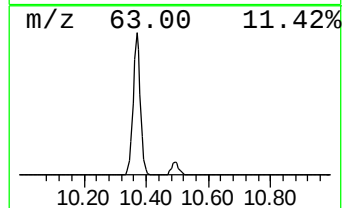
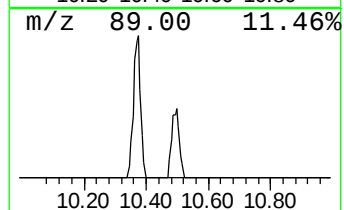
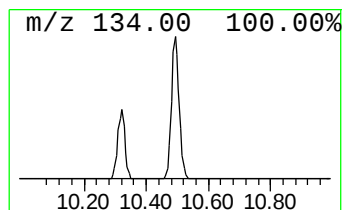
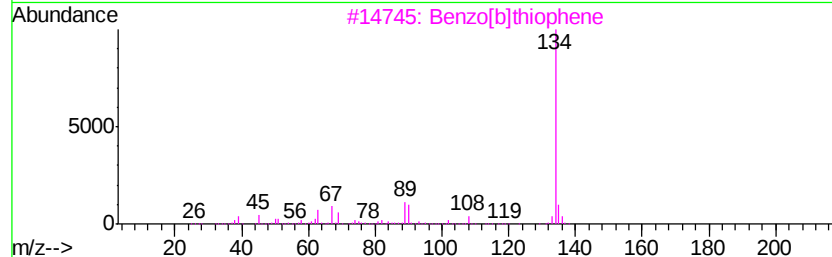
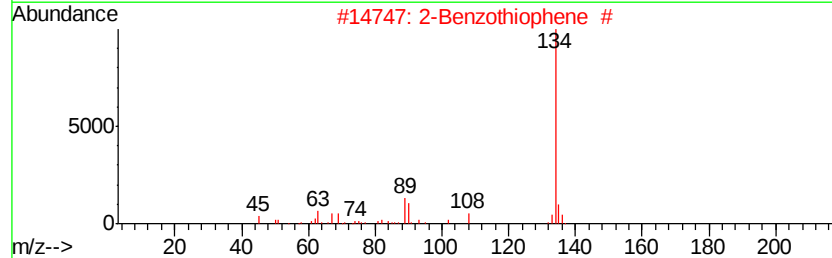
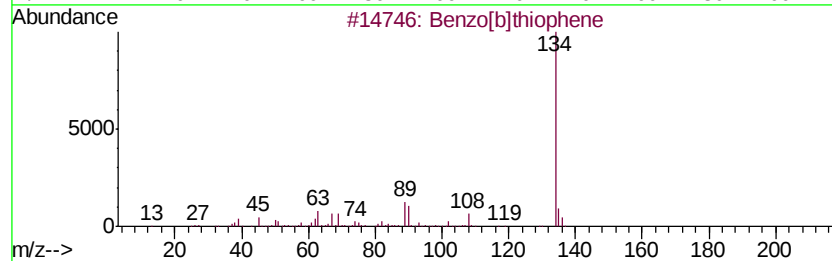
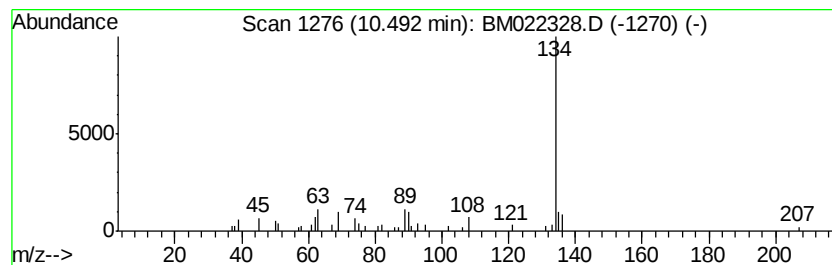
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Benzo[b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	4.81 ng/ul	76921	Naphthalene-d8	10.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
2		2-Benzothiophene #	134	C8H6S	000270-82-6	91
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	83



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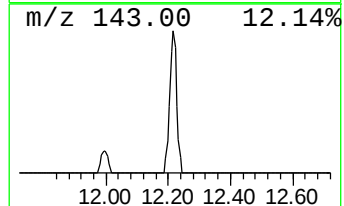
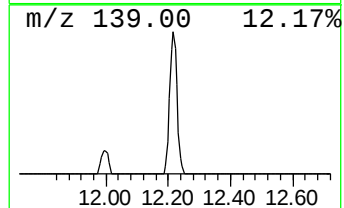
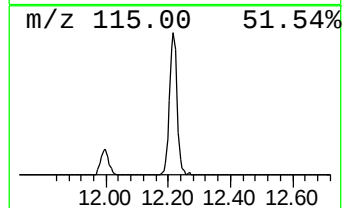
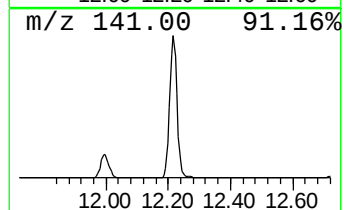
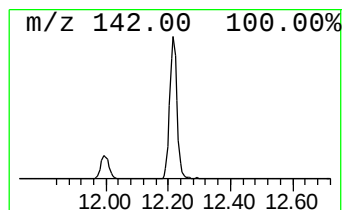
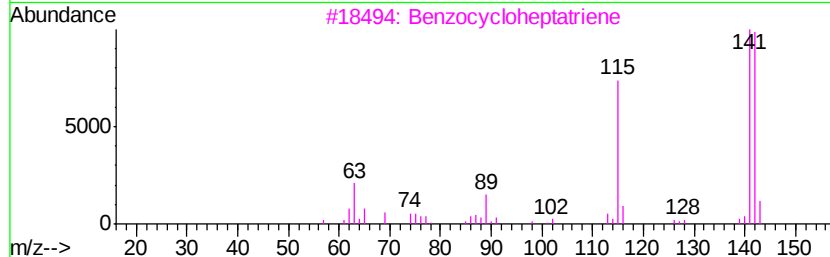
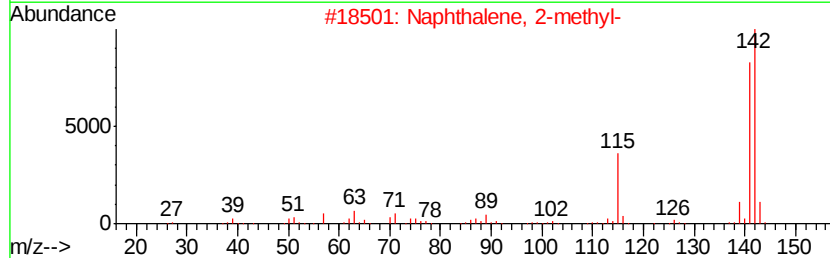
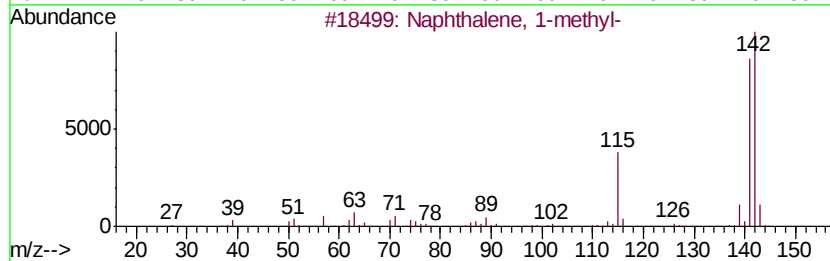
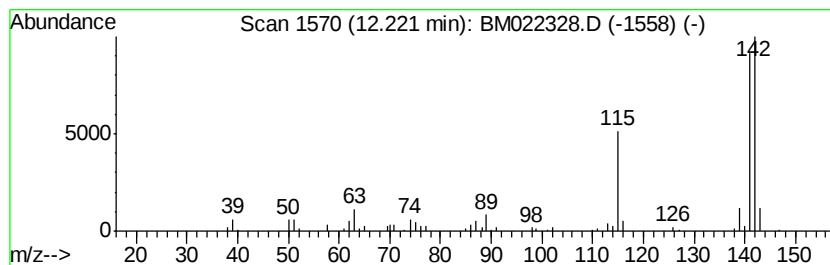
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	22.34 ng/ul	357235	Naphthalene-d8	10.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3		Benzocycloheptatriene	142	C11H10	000264-09-5	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
Sample : K4373-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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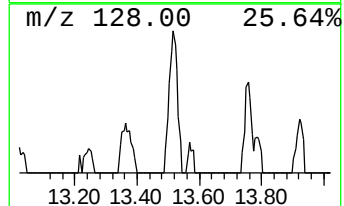
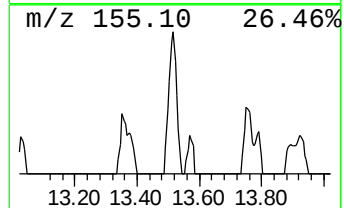
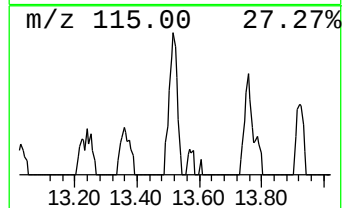
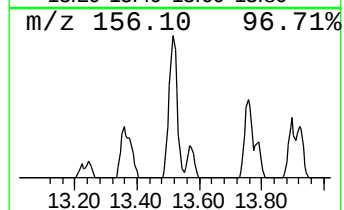
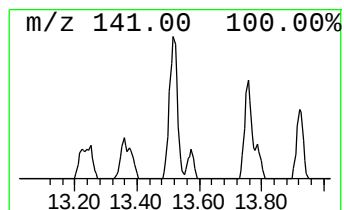
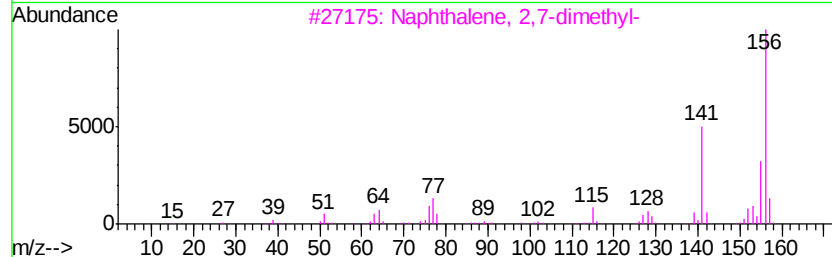
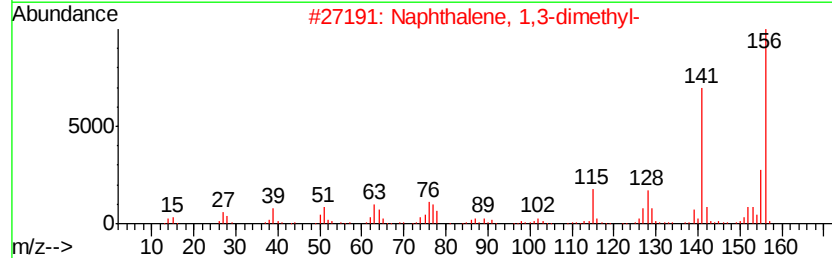
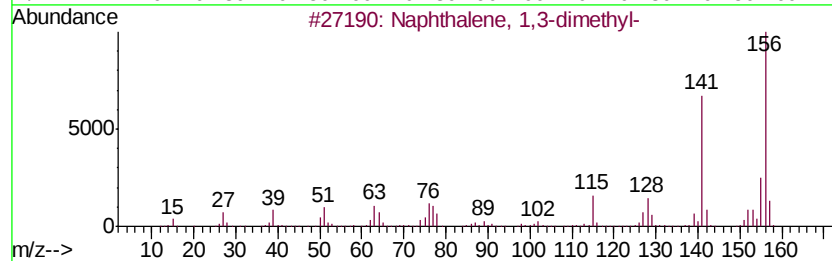
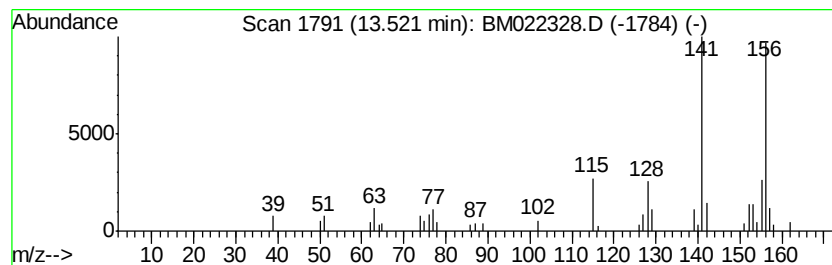
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	4.00 ng/ul	96461	Acenaphthene-d10	14.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
Sample : K4373-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD4DL

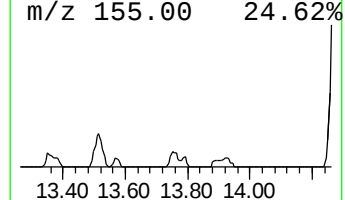
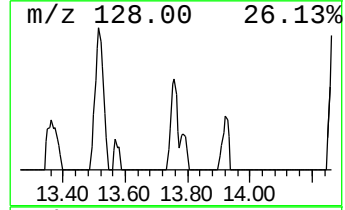
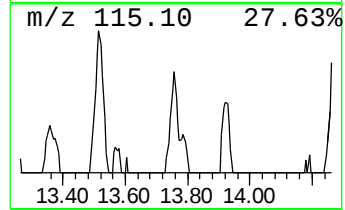
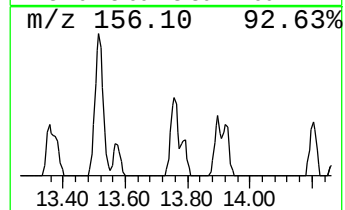
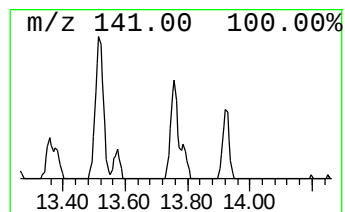
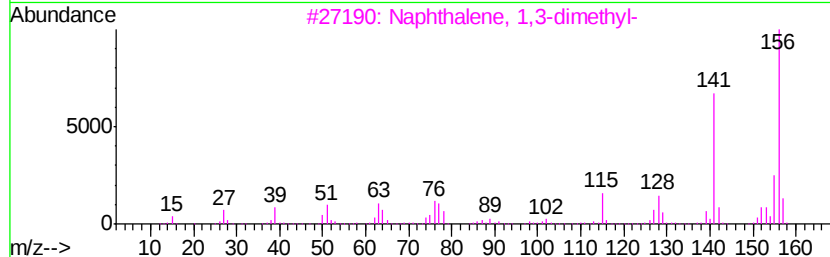
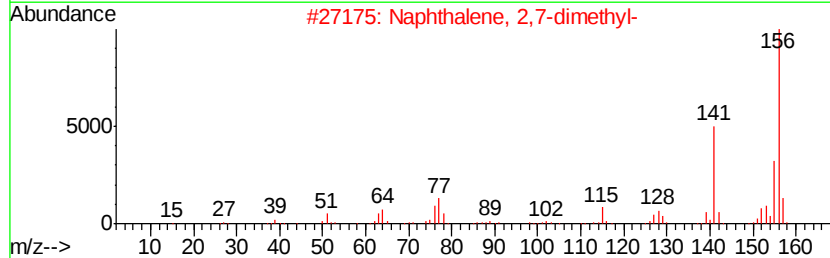
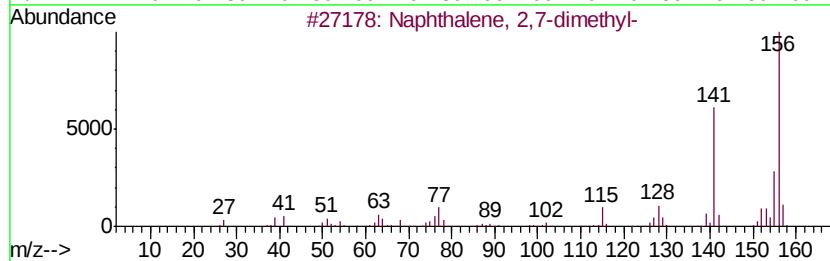
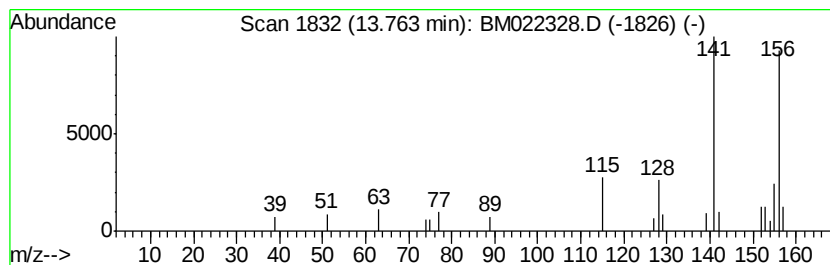
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.06 ng/ul	49776	Acenaphthene-d10	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
Sample : K4373-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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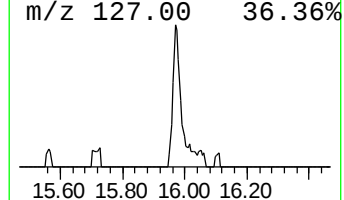
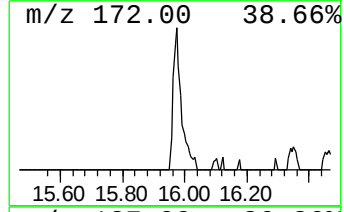
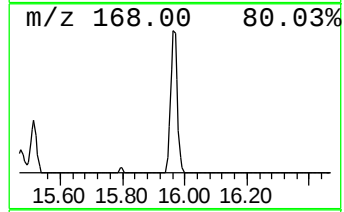
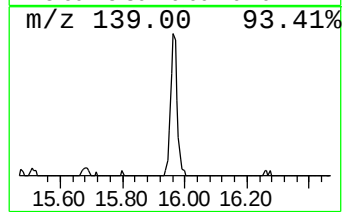
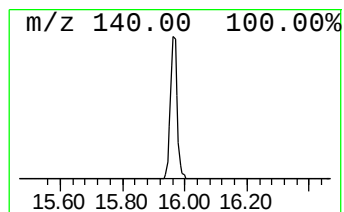
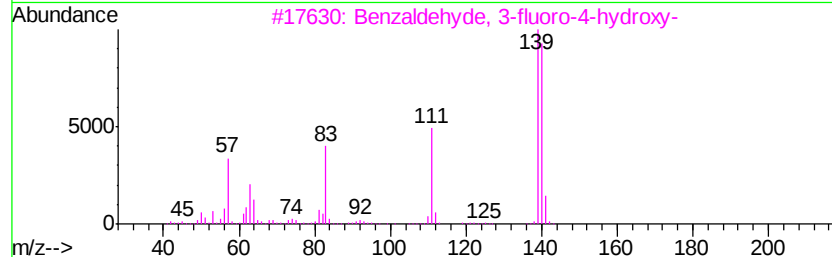
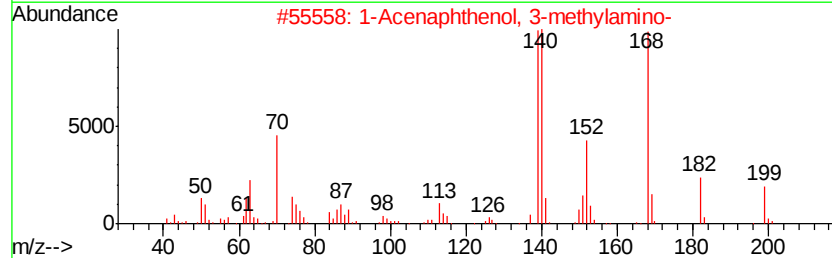
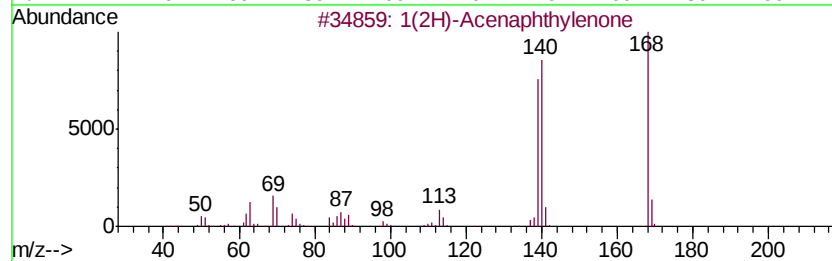
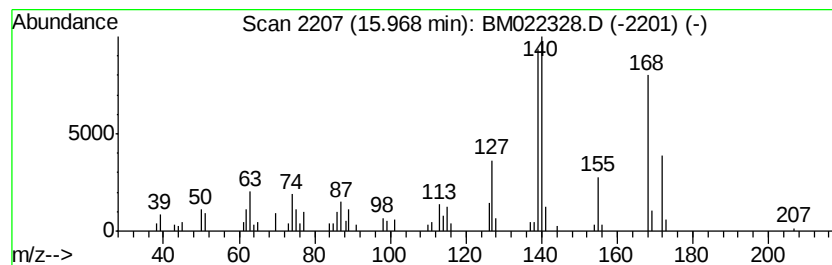
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.81 ng/ul	124586	Phenanthrene-d10	16.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	83
2		1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	64
3		Benzaldehyde, 3-fluoro-4-hydroxy-	140	C7H5FO2	000405-05-0	46
4		Dibenzofuran	168	C12H8O	000132-64-9	41
5		Dibenzofuran	168	C12H8O	000132-64-9	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
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Misc :
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ClientSampleId :
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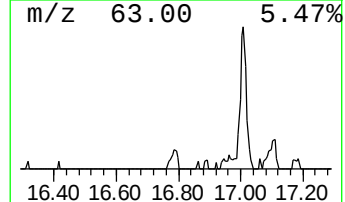
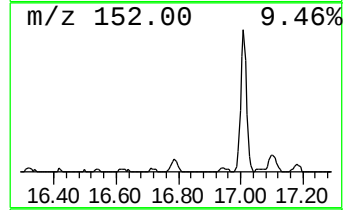
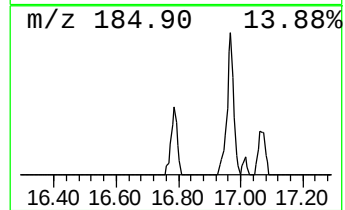
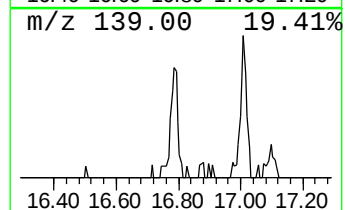
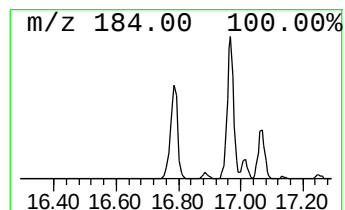
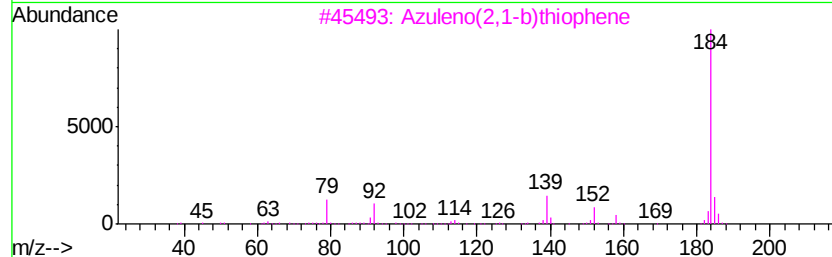
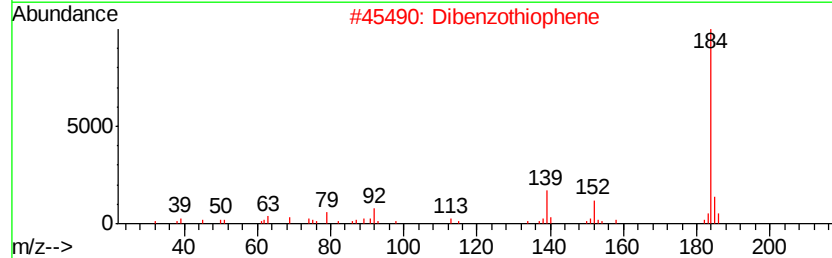
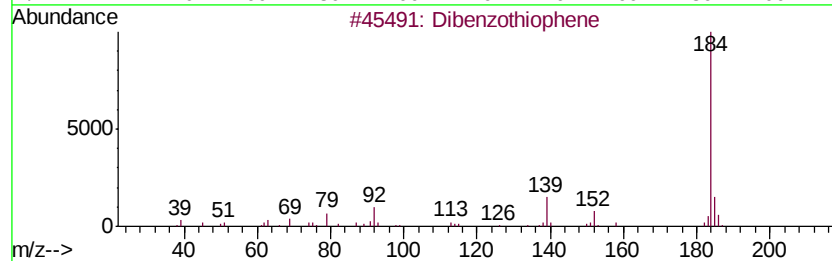
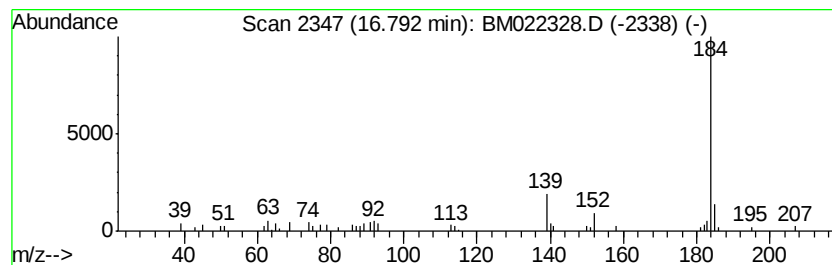
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.07 ng/ul	67666	Phenanthrene-d10	16.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	93
2		Dibenzothiophene	184	C12H8S	000132-65-0	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		Dibenzothiophene	184	C12H8S	000132-65-0	90
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
Sample : K4373-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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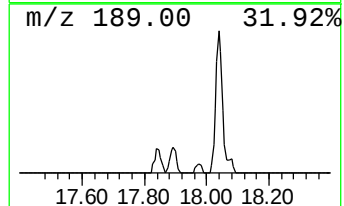
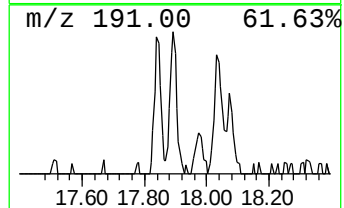
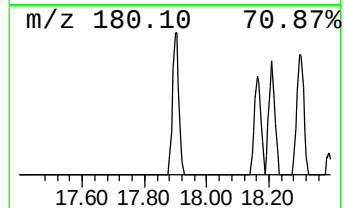
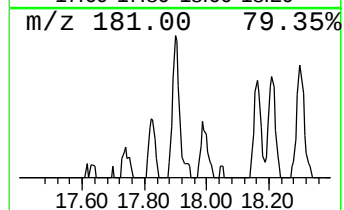
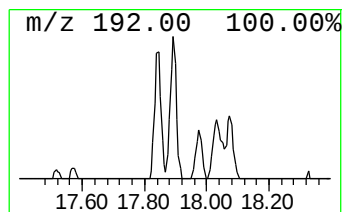
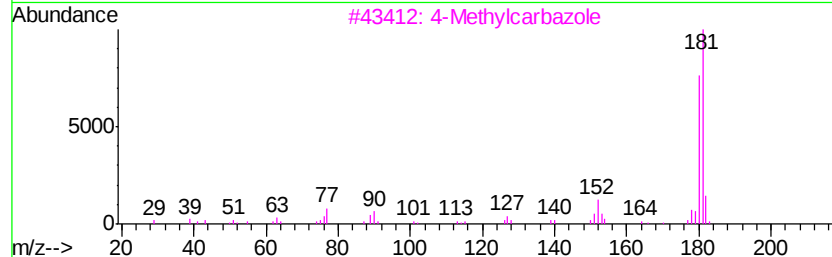
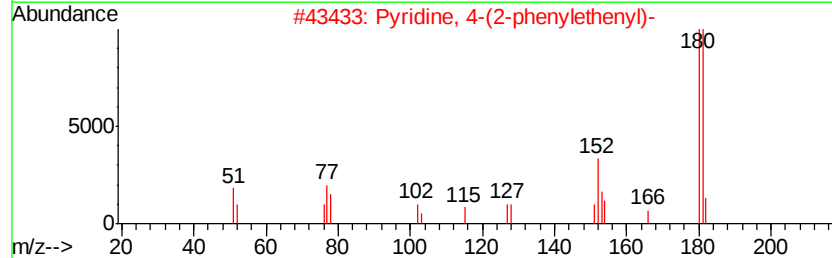
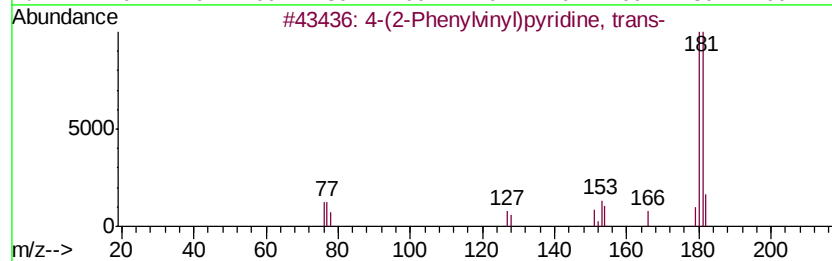
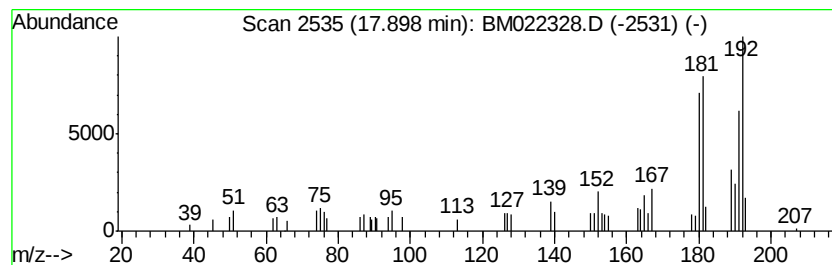
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 4-(2-Phenylvinyl)pyridine, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.29 ng/ul	75013	Phenanthrene-d10	16.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-(2-Phenylvinyl)pyridine, trans-	181	C13H11N	005097-93-8	70
2		Pyridine, 4-(2-phenylethenyl)-	181	C13H11N	000103-31-1	62
3		4-Methylcarbazole	181	C13H11N	003770-48-7	62
4		3-Methylcarbazole	181	C13H11N	004630-20-0	60
5		1-Methylcarbazole	181	C13H11N	006510-65-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
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ClientSampleId :
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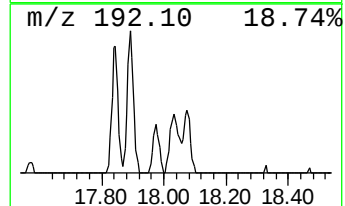
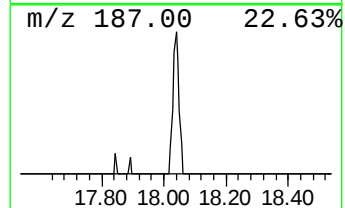
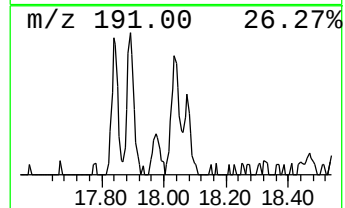
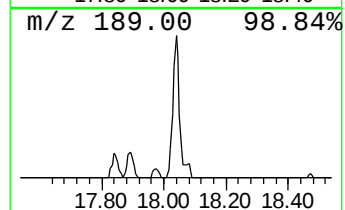
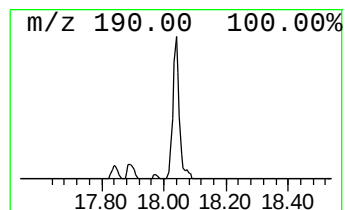
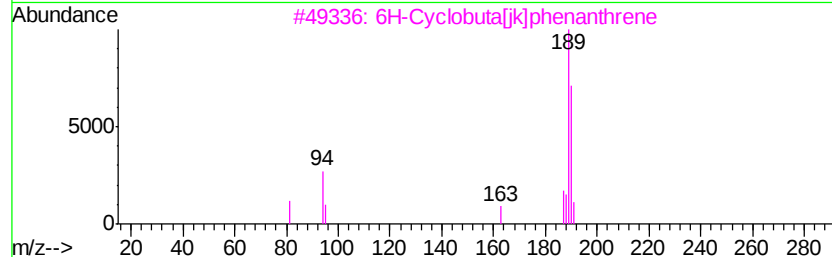
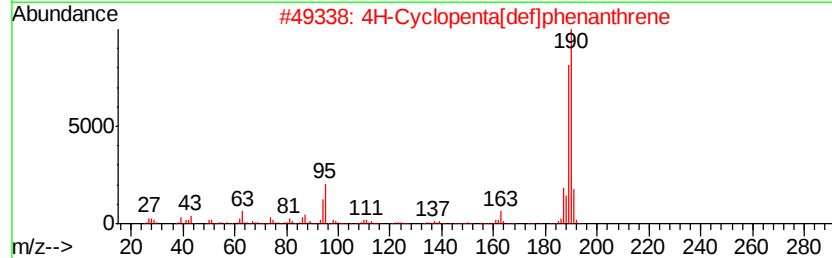
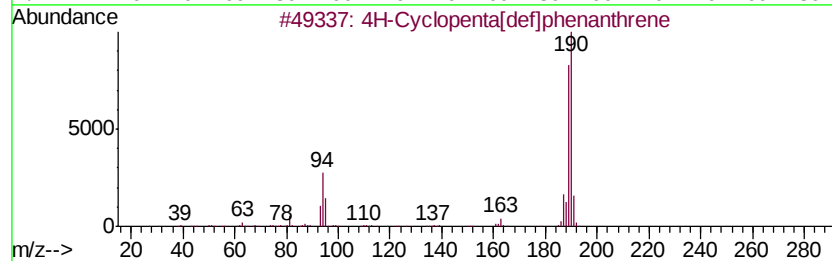
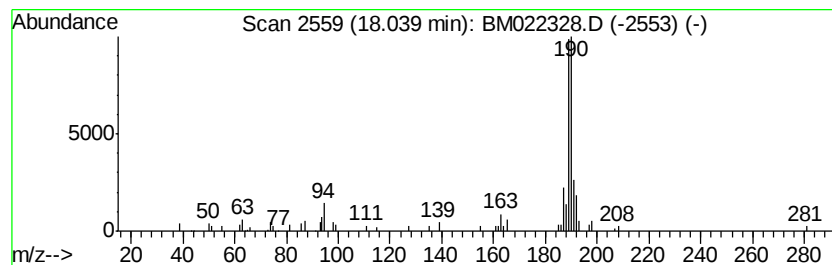
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.65 ng/ul	119369	Phenanthrene-d10	16.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5		Methyl diselenide	190	C2H6Se2	007101-31-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082619\
Data File : BM022328.D
Acq On : 26 Aug 2019 13:29
Operator : HP/JU
Sample : K4373-15DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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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Benzo[b]thiophene	10.49	4.8	ng/ul	76921	2	10.32	319840	20.0
Naphthalene, 1-me...	12.22	22.3	ng/ul	357235	2	10.32	319840	20.0
Naphthalene, 1,3-...	13.52	4.0	ng/ul	96461	3	14.20	482118	20.0
Naphthalene, 2,7-...	13.76	2.1	ng/ul	49776	3	14.20	482118	20.0
1(2H)-Acenaphthyl...	15.97	3.8	ng/ul	124586	4	16.97	654771	20.0
Dibenzothiophene	16.79	2.1	ng/ul	67666	4	16.97	654771	20.0
4-(2-Phenylvinyl)...	17.90	2.3	ng/ul	75013	4	16.97	654771	20.0
4H-Cyclopenta[def...	18.04	3.6	ng/ul	119369	4	16.97	654771	20.0