

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005927.D
 Acq On : 29 May 2019 13:18
 Operator : JU/SJ
 Sample : K2928-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C3

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_N\METHODS\SOM-EPA-BN052819MA.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	3.887	148	153	162	rVB	71639	114747	1.96%	0.129%
2	4.869	313	320	325	rBV	89951	149493	2.56%	0.168%
3	6.887	657	663	672	rVV	698326	1232120	21.09%	1.383%
4	7.063	687	693	701	rVV	663307	1058070	18.11%	1.188%
5	7.257	720	726	734	rVB	738857	1174573	20.11%	1.318%
6	7.728	799	806	812	rVV	624595	1023317	17.52%	1.149%
7	8.422	911	924	932	rVV	624454	1046045	17.91%	1.174%
8	8.875	993	1001	1010	rVV	756160	1268568	21.72%	1.424%
9	9.593	1115	1123	1130	rBV	545436	901337	15.43%	1.012%
10	10.128	1205	1214	1221	rVV	911949	1517932	25.99%	1.704%
11	10.510	1270	1279	1284	rBV	965969	1653622	28.31%	1.856%
12	10.645	1294	1302	1314	rVB	717449	1308515	22.40%	1.469%
13	12.175	1555	1562	1568	rVB	67385	119132	2.04%	0.134%
14	13.198	1728	1736	1742	rBV	94845	147928	2.53%	0.166%
15	13.686	1814	1819	1824	rVV	159134	265566	4.55%	0.298%
16	13.739	1824	1828	1830	rVV	91627	131619	2.25%	0.148%
17	13.775	1830	1834	1839	rVV	1893544	2724257	46.64%	3.058%
18	13.822	1839	1842	1847	rVB	729364	952485	16.31%	1.069%
19	13.922	1852	1859	1863	rVV2	60078	126143	2.16%	0.142%
20	14.057	1876	1882	1894	rVB	2143610	3165205	54.19%	3.553%
21	14.369	1924	1935	1941	rBV2	1492095	2300723	39.39%	2.583%
22	14.551	1960	1966	1979	rVV2	573804	962022	16.47%	1.080%
23	14.769	1999	2003	2010	rVV3	133462	250528	4.29%	0.281%
24	14.845	2010	2016	2020	rVV	113443	165928	2.84%	0.186%
25	14.992	2035	2041	2045	rBV2	71362	138724	2.37%	0.156%
26	15.039	2045	2049	2054	rVB	100328	150927	2.58%	0.169%
27	15.163	2064	2070	2073	rBV2	63660	118007	2.02%	0.132%
28	15.363	2097	2104	2110	rVV	2902393	4137364	70.83%	4.644%
29	15.475	2116	2123	2130	rVV2	501942	783273	13.41%	0.879%
30	15.710	2158	2163	2173	rVB4	86152	182496	3.12%	0.205%
31	15.951	2196	2204	2209	rVB5	66199	139832	2.39%	0.157%
32	16.098	2224	2229	2235	rVV2	107037	198349	3.40%	0.223%
33	16.427	2276	2285	2289	rBV5	87779	248088	4.25%	0.278%
34	16.469	2289	2292	2299	rVB	151912	217918	3.73%	0.245%

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35	16.657	2316	2324	2327	rBV5	71793	149510	2.56%	0.168%
36	16.692	2327	2330	2333	rVV3	72584	113798	1.95%	0.128%
37	16.775	2339	2344	2351	rBV5	143074	299822	5.13%	0.337%
38	16.892	2361	2364	2368	rVV3	77217	127708	2.19%	0.143%
39	16.939	2368	2372	2378	rVB3	80665	134486	2.30%	0.151%
40	17.116	2396	2402	2406	rVV2	2011866	2894381	49.55%	3.249%
41	17.157	2406	2409	2414	rVV	714548	971369	16.63%	1.090%
42	17.216	2414	2419	2429	rVV2	2908418	4324621	74.04%	4.854%
43	17.310	2429	2435	2440	rVV3	169347	327260	5.60%	0.367%
44	17.357	2440	2443	2446	rVV	91323	140442	2.40%	0.158%
45	17.404	2446	2451	2453	rVV	146698	302610	5.18%	0.340%
46	17.427	2453	2455	2460	rVB	203905	260036	4.45%	0.292%
47	17.698	2498	2501	2505	rVB	219632	277552	4.75%	0.312%
48	17.798	2514	2518	2522	rBV	93971	120676	2.07%	0.135%
49	17.998	2546	2552	2554	rVV	566926	851770	14.58%	0.956%
50	18.039	2554	2559	2566	rVV2	964382	2105601	36.05%	2.364%
51	18.122	2570	2573	2577	rVV2	100618	200002	3.42%	0.225%
52	18.180	2578	2583	2588	rVV2	482284	816388	13.98%	0.916%
53	18.227	2588	2591	2597	rVV	252838	340898	5.84%	0.383%
54	18.316	2601	2606	2608	rVV4	110431	198406	3.40%	0.223%
55	18.345	2608	2611	2615	rVV4	175004	293467	5.02%	0.329%
56	18.392	2615	2619	2624	rVB4	147073	236745	4.05%	0.266%
57	18.498	2633	2637	2641	rBV	344475	513842	8.80%	0.577%
58	18.745	2676	2679	2683	rVV	230673	303497	5.20%	0.341%
59	18.798	2684	2688	2691	rVV	329226	421845	7.22%	0.474%
60	18.839	2691	2695	2699	rVB	221528	292609	5.01%	0.328%
61	18.921	2704	2709	2713	rVV	628458	960049	16.44%	1.078%
62	18.969	2713	2717	2722	rVV3	247951	463749	7.94%	0.521%
63	19.016	2722	2725	2728	rVB	163173	195937	3.35%	0.220%
64	19.057	2728	2732	2739	rBV	187249	318336	5.45%	0.357%
65	19.186	2749	2754	2761	rVB	1208028	1595132	27.31%	1.791%
66	19.257	2761	2766	2769	rBV	293707	391567	6.70%	0.440%
67	19.310	2769	2775	2783	rVB5	253987	492344	8.43%	0.553%
68	19.380	2783	2787	2793	rBV5	67701	161276	2.76%	0.181%
69	19.521	2806	2811	2815	rBV	4131663	5841237	100.00%	6.557%
70	19.633	2825	2830	2835	rVB2	250018	403794	6.91%	0.453%
71	19.792	2854	2857	2862	rVB3	127548	201980	3.46%	0.227%

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72	19.874	2867	2871	2882	rVB5	315149	596095	10.20%	0.669%
73	19.963	2883	2886	2889	rBV	103103	143147	2.45%	0.161%
74	20.051	2898	2901	2904	rVB2	353118	398919	6.83%	0.448%
75	20.151	2915	2918	2922	rBV	152123	188882	3.23%	0.212%
76	20.210	2924	2928	2932	rVB2	221088	308532	5.28%	0.346%
77	20.351	2949	2952	2956	rBV3	140745	229335	3.93%	0.257%
78	20.586	2987	2992	2994	rBV2	179399	269937	4.62%	0.303%
79	20.651	3000	3003	3006	rBV	281622	367608	6.29%	0.413%
80	20.774	3019	3024	3026	rBV2	154439	274196	4.69%	0.308%
81	20.804	3026	3029	3036	rVB2	343853	603749	10.34%	0.678%
82	20.974	3051	3058	3062	rBV3	271691	505222	8.65%	0.567%
83	21.015	3062	3065	3067	rBV2	130206	157324	2.69%	0.177%
84	21.051	3067	3071	3076	rVV2	1263187	1663977	28.49%	1.868%
85	21.104	3077	3080	3087	rVB	193589	308666	5.28%	0.346%
86	21.227	3096	3101	3105	rBV4	250021	504511	8.64%	0.566%
87	21.333	3112	3119	3123	rBV3	3074719	4998251	85.57%	5.611%
88	21.368	3123	3125	3135	rVB2	869335	1230134	21.06%	1.381%
89	21.451	3136	3139	3143	rVB2	295298	391496	6.70%	0.439%
90	21.498	3143	3147	3150	rBV3	439170	595526	10.20%	0.668%
91	21.874	3207	3211	3212	rBV2	373775	477267	8.17%	0.536%
92	21.945	3219	3223	3227	rBV	752781	1047941	17.94%	1.176%
93	22.410	3298	3302	3307	rBV	634694	981483	16.80%	1.102%
94	22.927	3385	3390	3394	rBV2	1035391	1779384	30.46%	1.997%
95	23.409	3467	3472	3475	rBV	364134	679215	11.63%	0.762%
96	23.457	3475	3480	3485	rVV2	2906043	5259251	90.04%	5.904%
97	23.504	3485	3488	3494	rVB	1003689	1536111	26.30%	1.724%
98	23.604	3498	3505	3511	rBV	1911052	3630391	62.15%	4.075%
99	24.156	3594	3599	3606	rVB2	546086	1099259	18.82%	1.234%
100	24.915	3723	3728	3737	rVB2	349228	741091	12.69%	0.832%

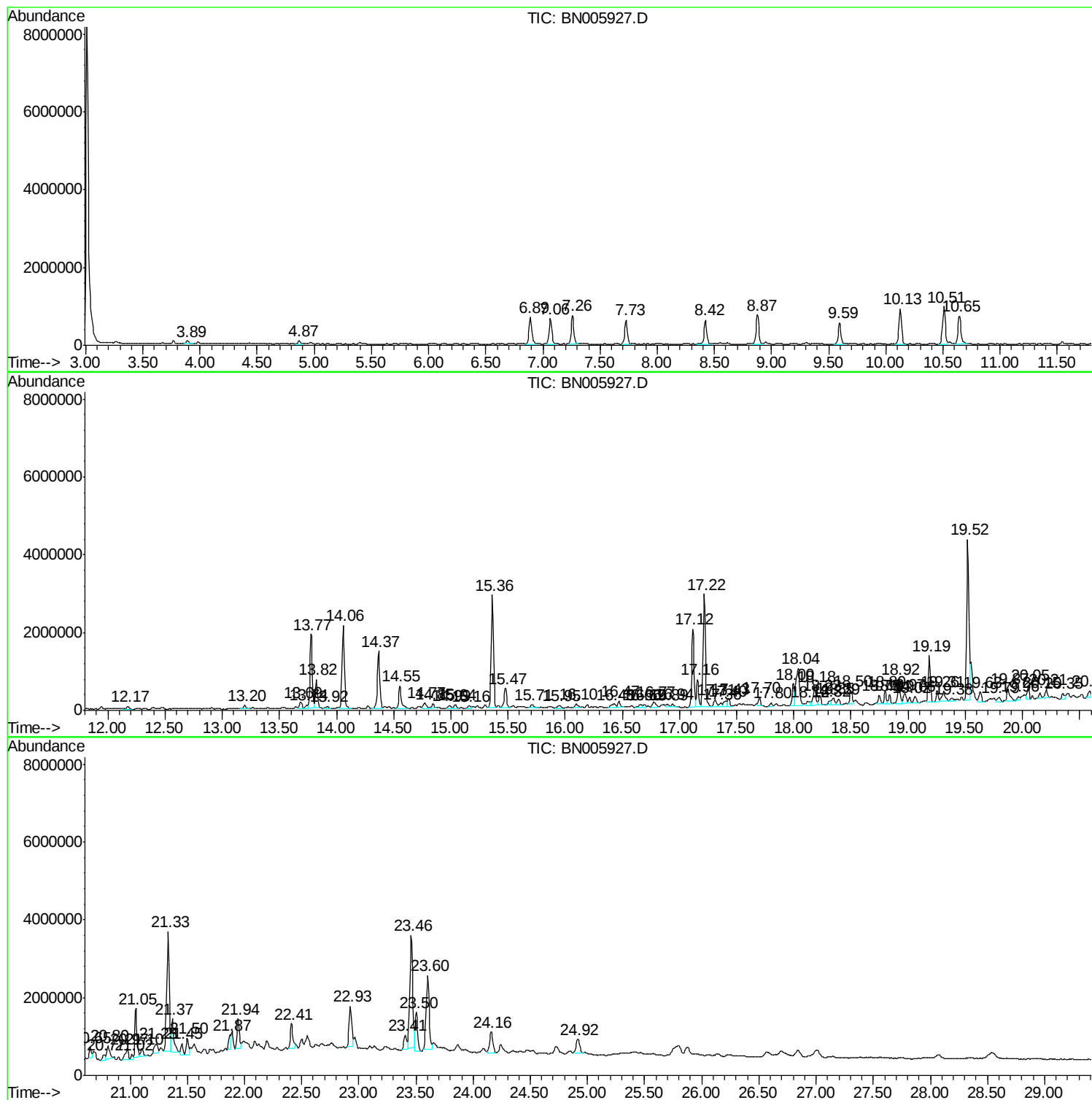
Sum of corrected areas: 89086495

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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



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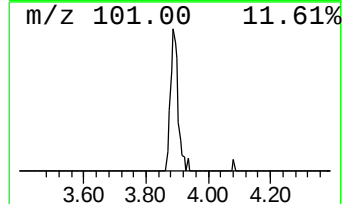
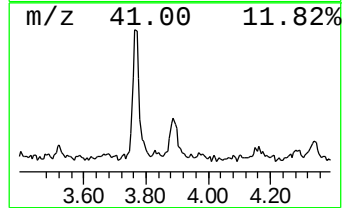
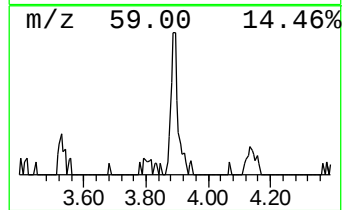
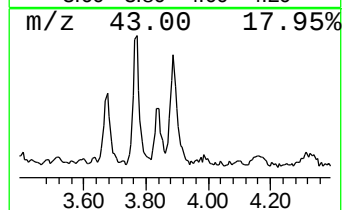
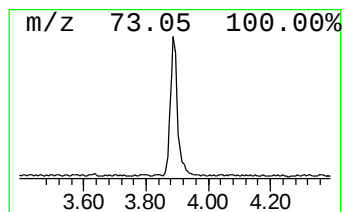
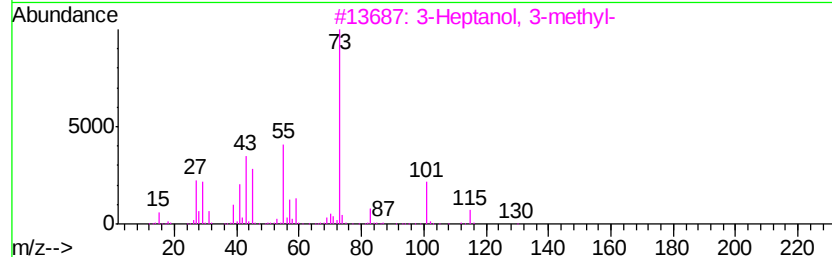
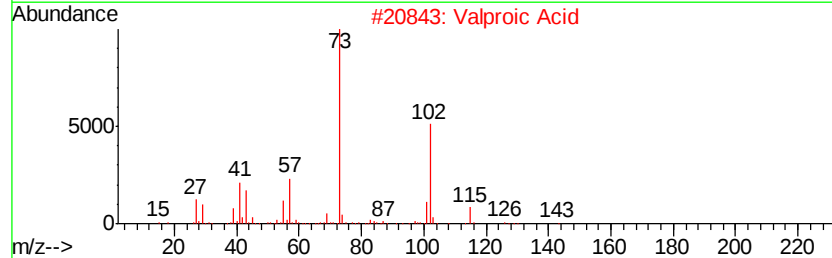
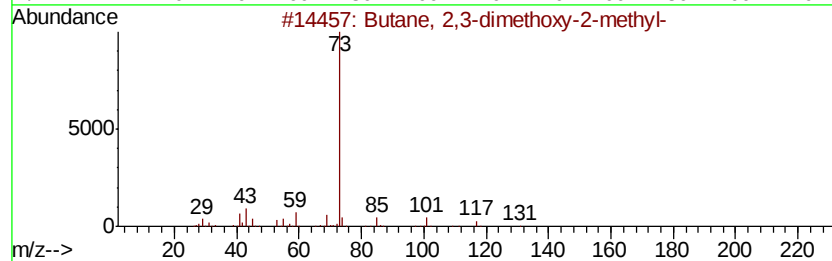
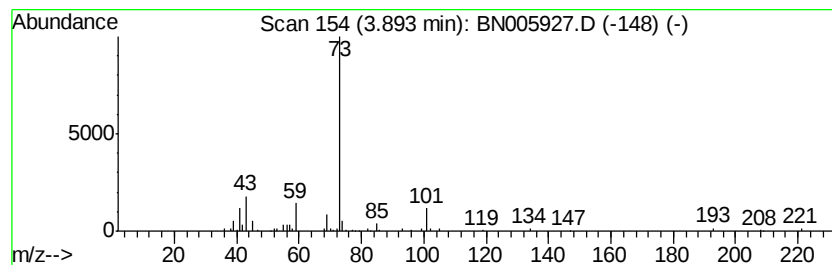
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Butane, 2,3-dimethoxy-2-met... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	2.24 ng/ul	114747	1,4-Dichlorobenzene-d4	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	50
2		Valproic Acid	144	C8H16O2	000099-66-1	37
3		3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	25
4		Silane, trimethyl[2-methylene-1-...	194	C12H22Si	097778-15-9	25
5		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



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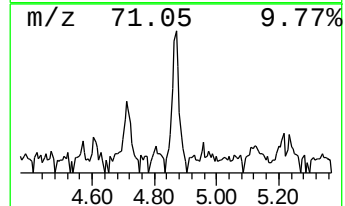
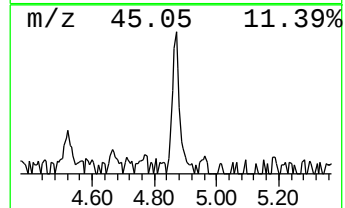
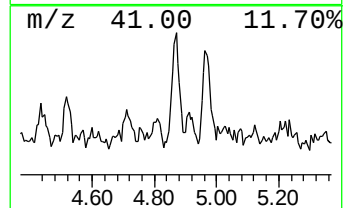
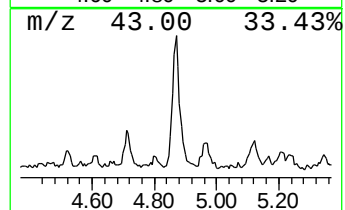
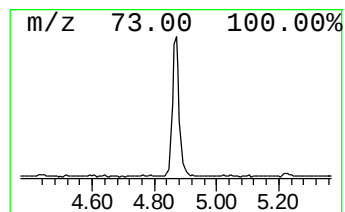
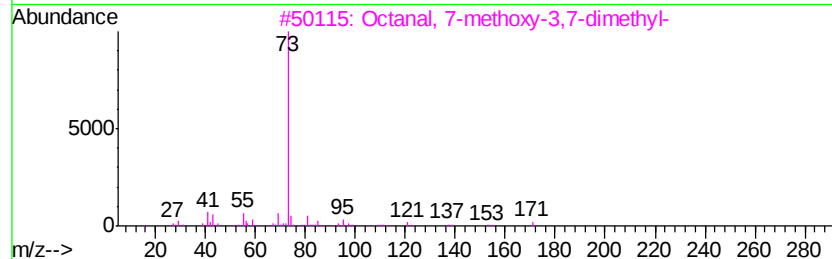
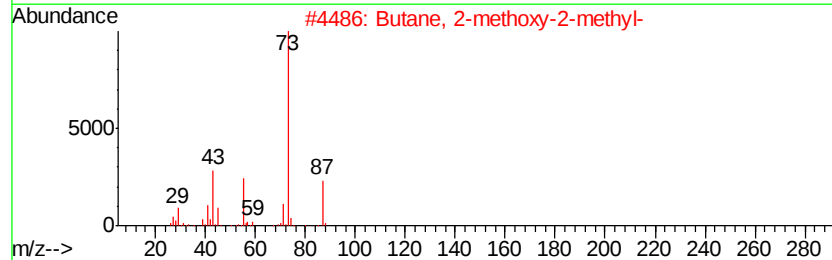
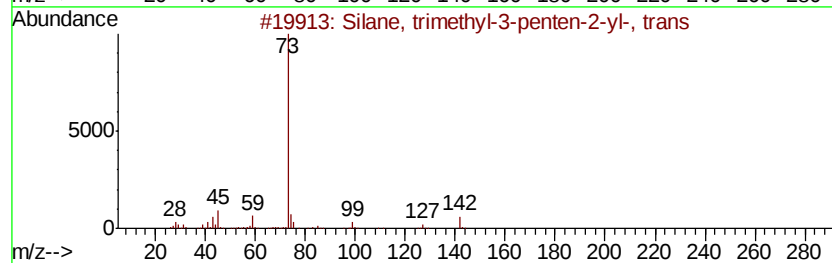
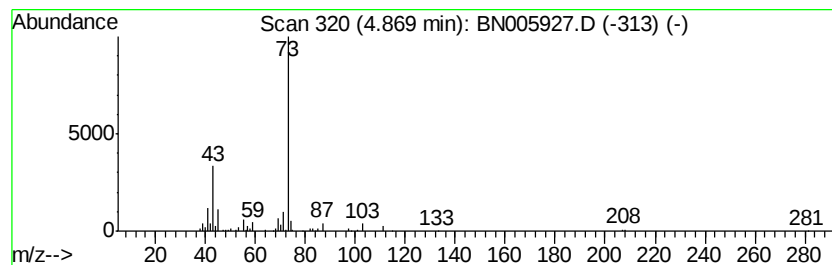
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	2.92 ng/ul	149493	1,4-Dichlorobenzene-d4	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silane, trimethyl-3-penten-2-yl-...	142	C8H18Si	053264-56-5	23
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	23
3		Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	16
4		Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
5		o-2-Pentylhydroxylamine	103	C5H13NO	1000322-43-4	9



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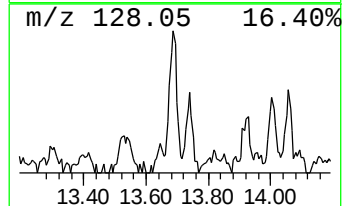
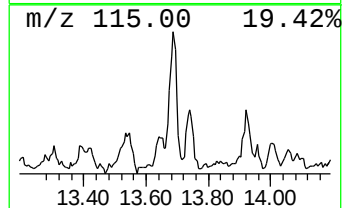
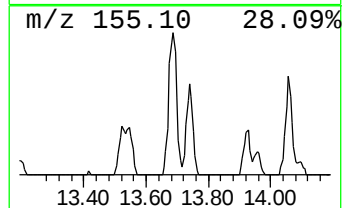
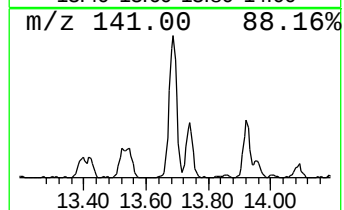
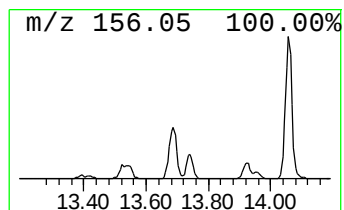
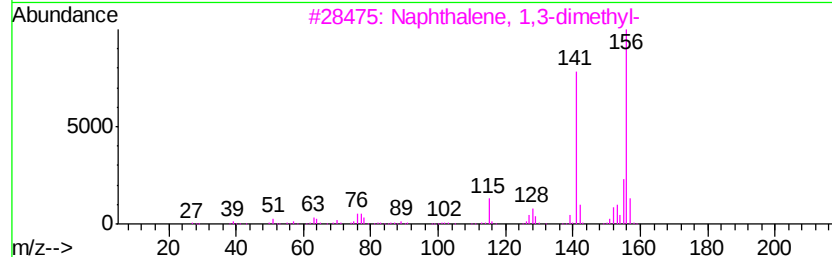
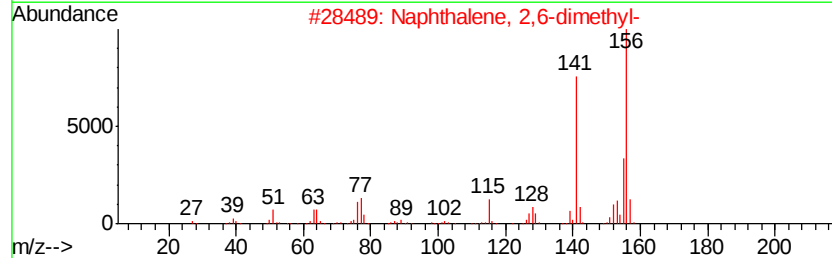
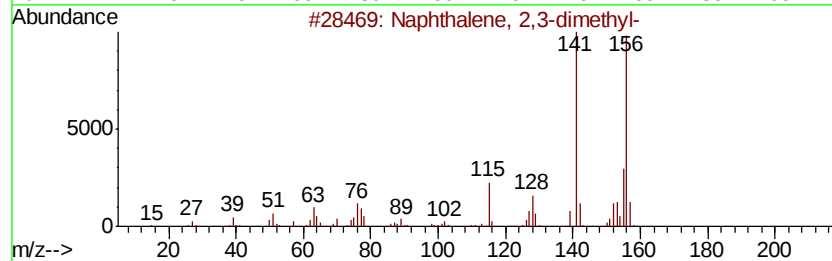
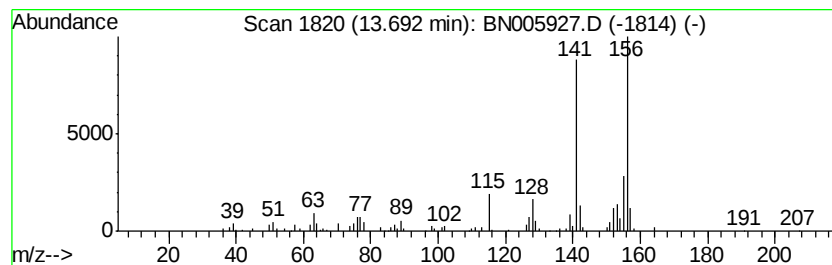
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	2.31 ng/ul	265566	Acenaphthene-d10	14.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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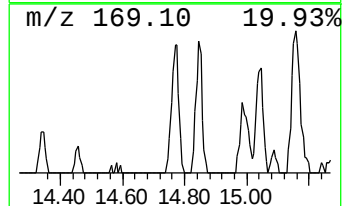
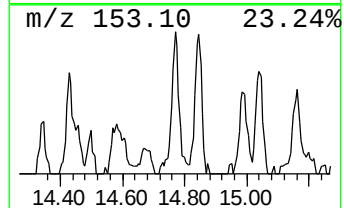
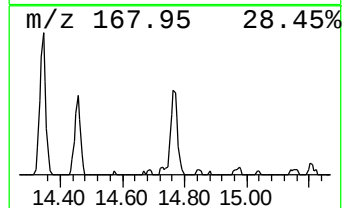
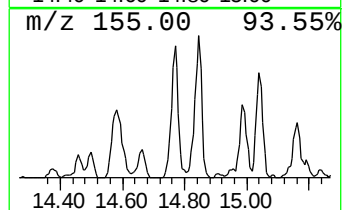
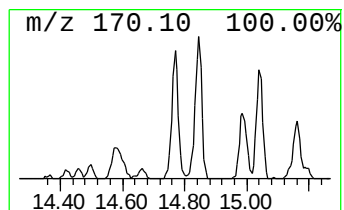
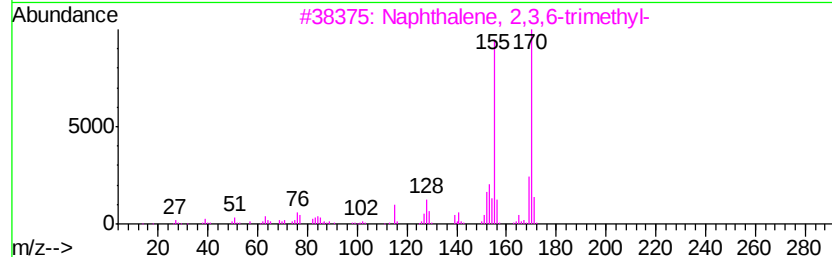
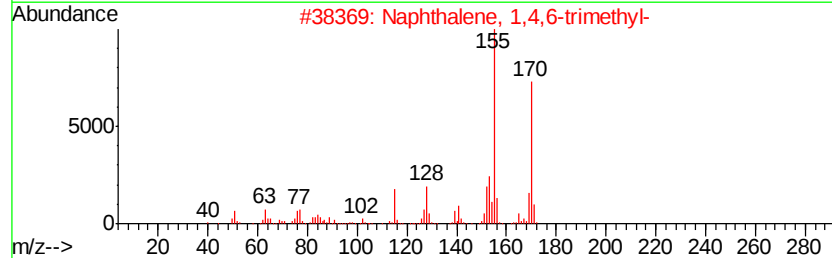
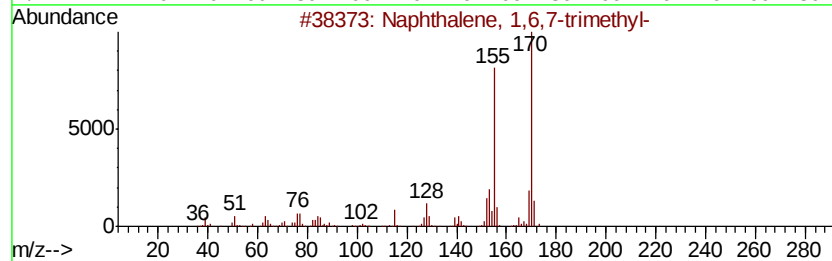
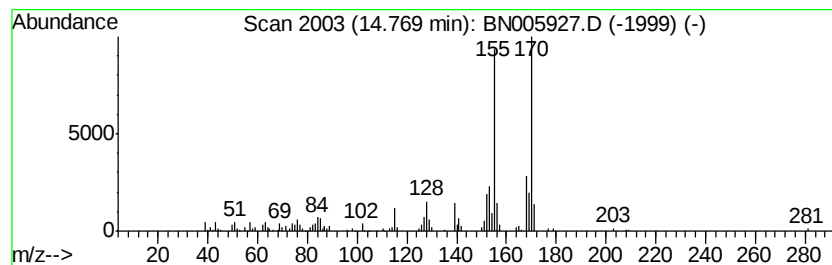
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,6,7-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.18 ng/ul	250528	Acenaphthene-d10	14.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Sample : K2928-07
Misc :
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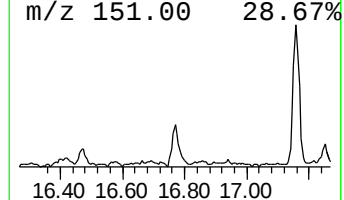
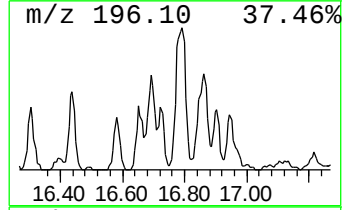
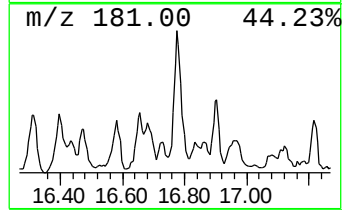
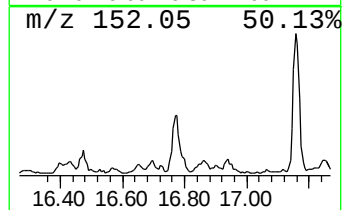
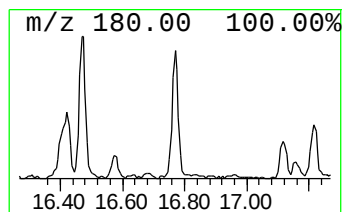
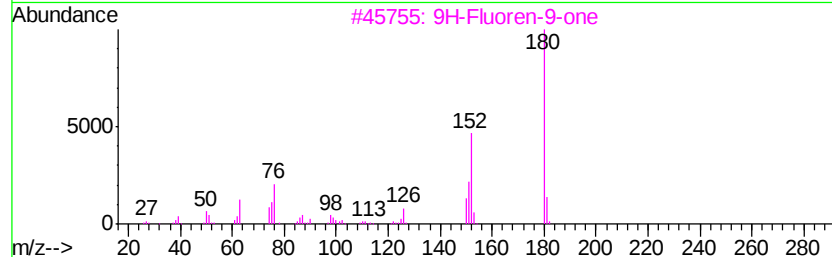
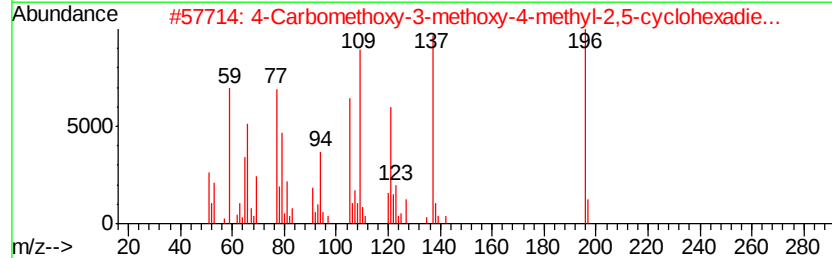
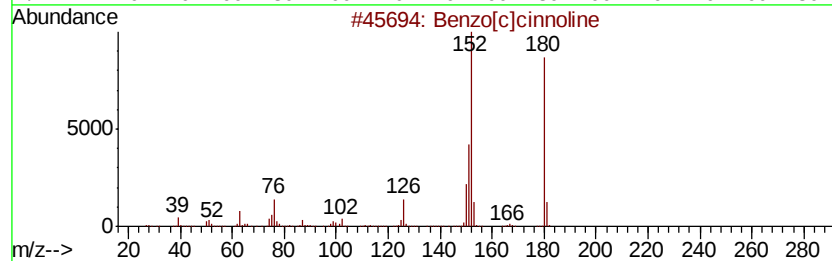
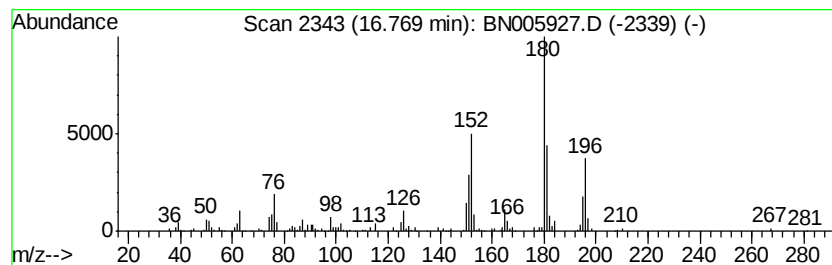
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzo[c]cinnoline Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.07 ng/ul	299822	Phenanthrene-d10	17.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
2		4-Carbomethoxy-3-methoxy-4-methy...	196	C10H12O4	120696-19-7	56
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
5		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

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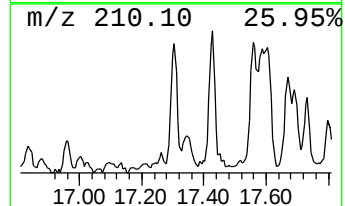
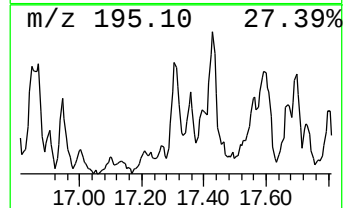
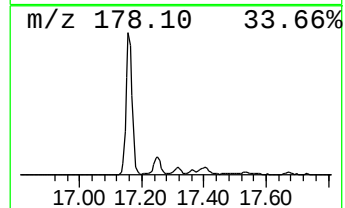
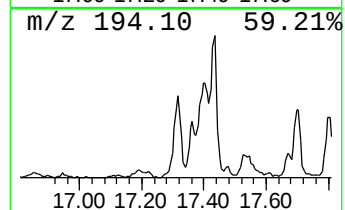
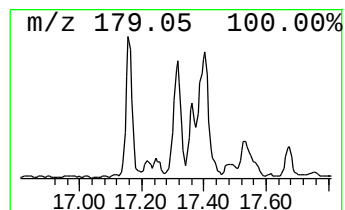
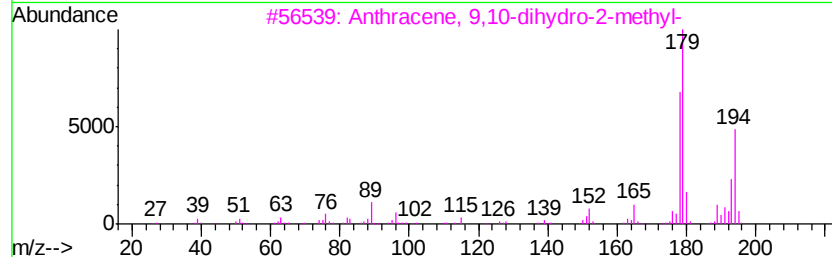
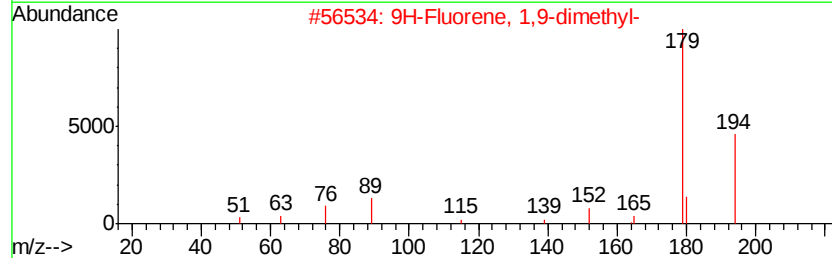
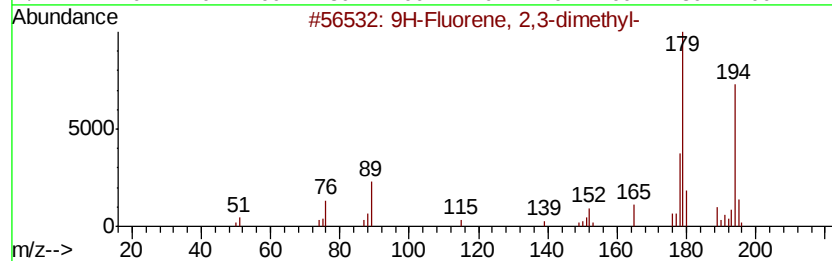
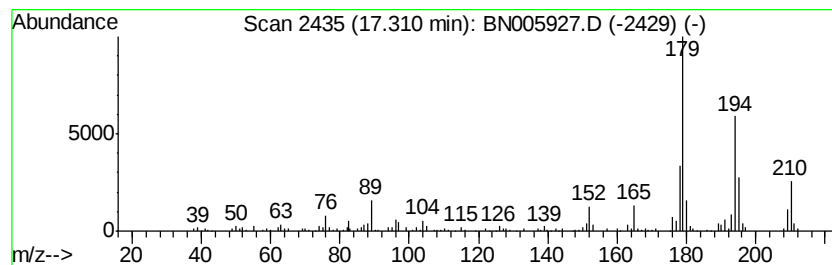
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 9H-Fluorene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	2.26 ng/ul	327260	Phenanthrene-d10	17.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	89
2		9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	64
3		Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	58
4		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	58
5		Benzaldehyde, 4-[(trimethylsilyl)...	194	C10H14O2Si	001012-12-0	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
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Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
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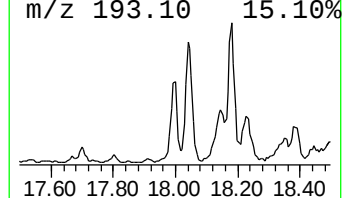
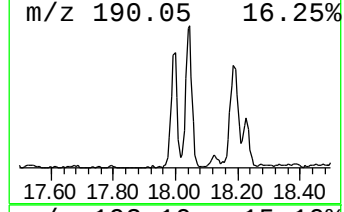
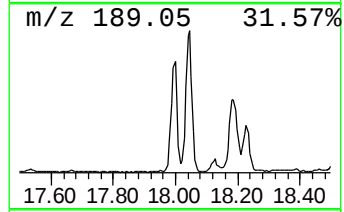
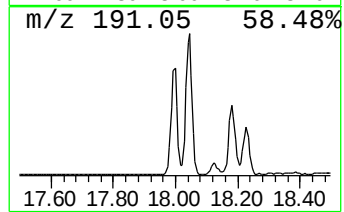
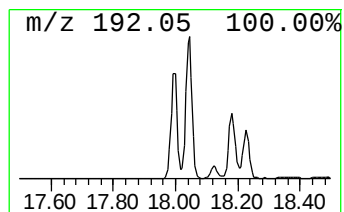
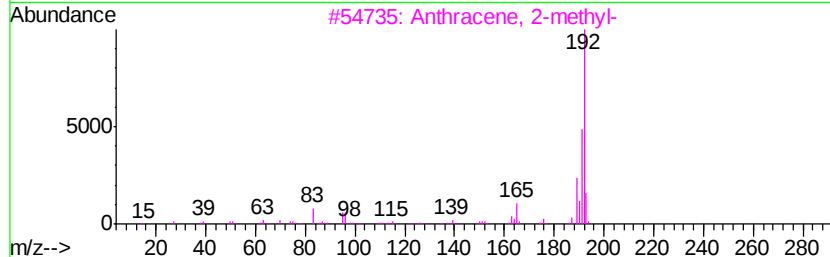
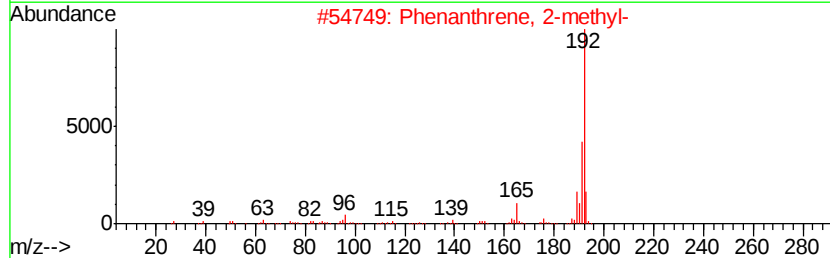
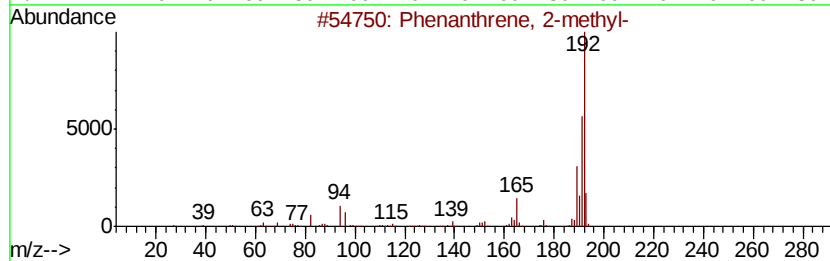
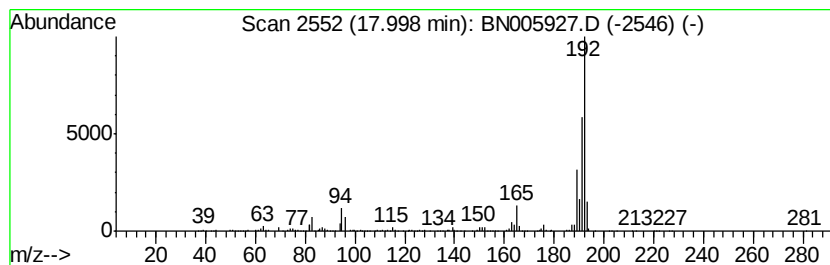
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.00	5.89 ng/ul	851770	Phenanthrene-d10	17.12	
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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



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Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Misc :
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Instrument :
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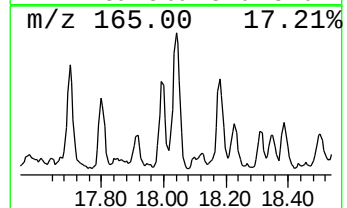
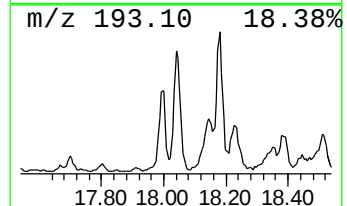
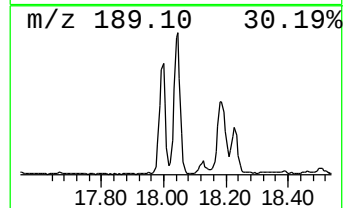
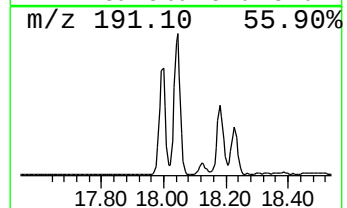
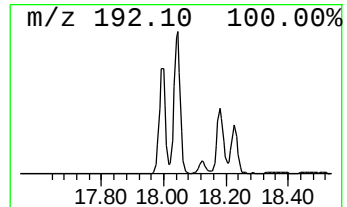
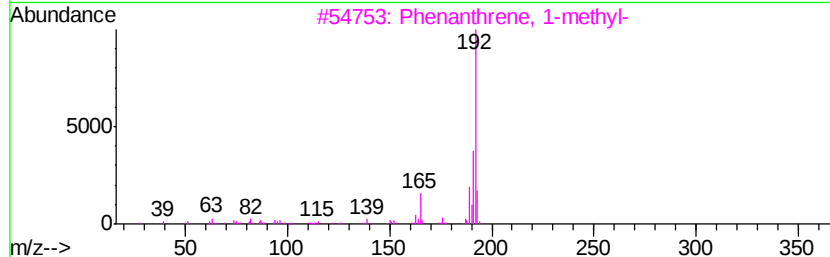
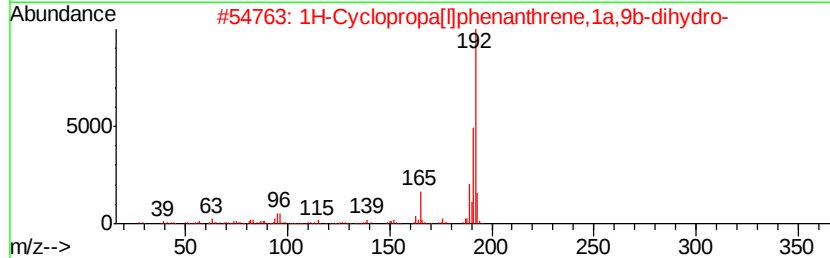
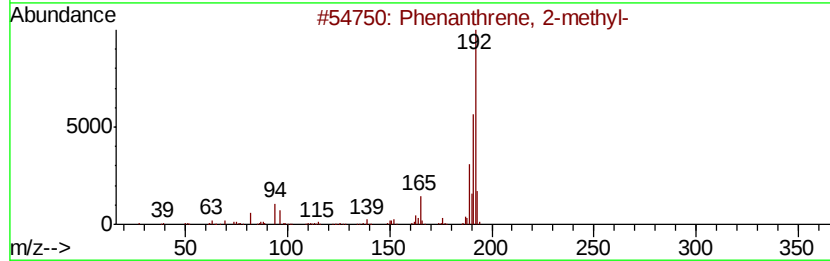
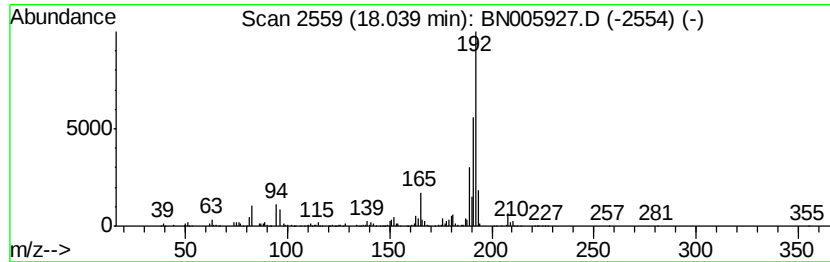
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	14.55 ng/ul	2105600	Phenanthrene-d10	17.12

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
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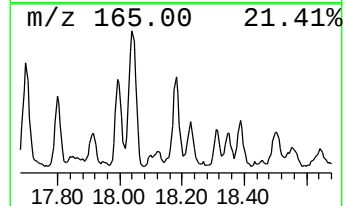
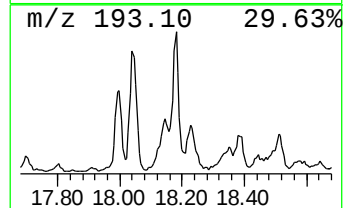
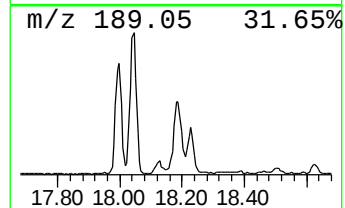
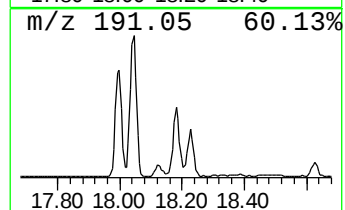
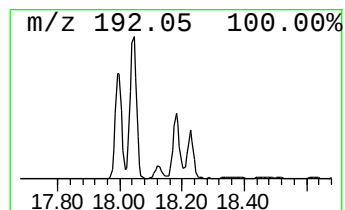
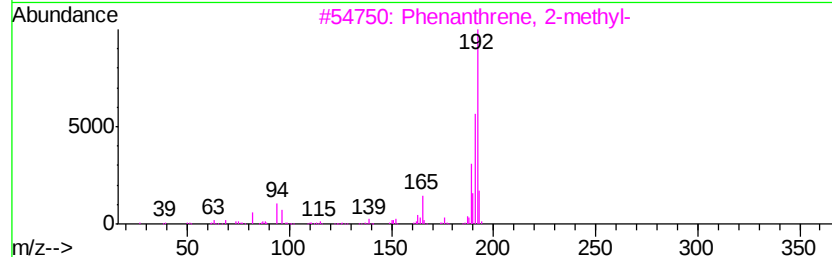
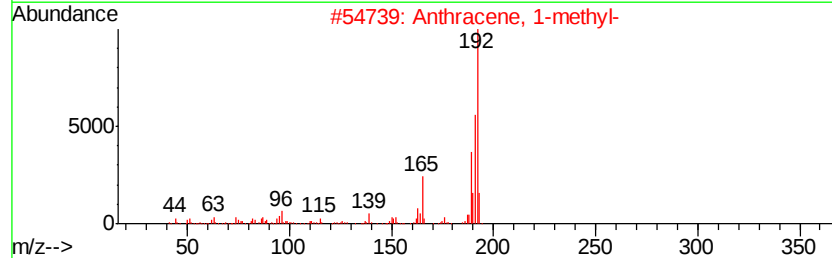
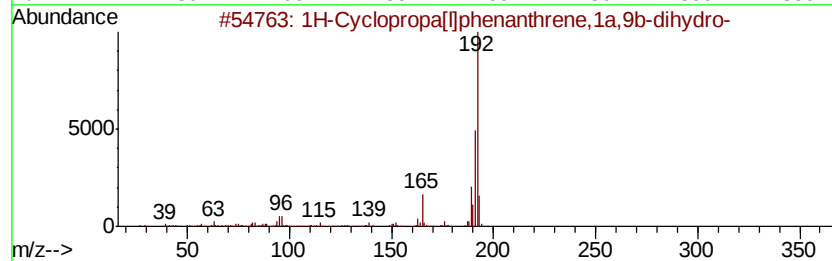
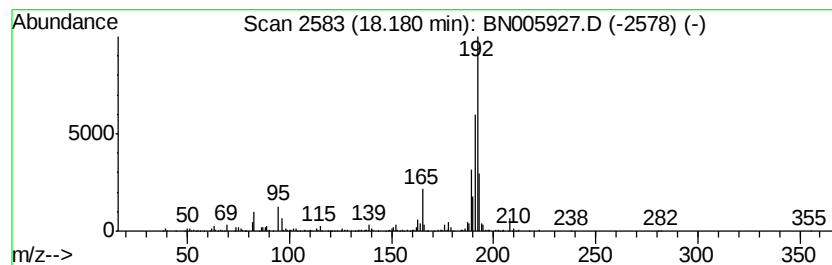
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	5.64 ng/ul	816388	Phenanthrene-d10	17.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Misc :
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ClientSampled :
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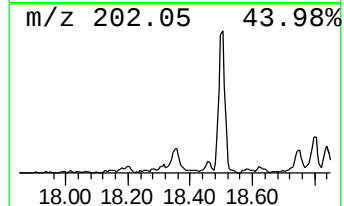
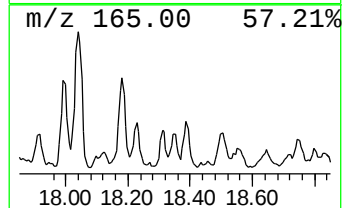
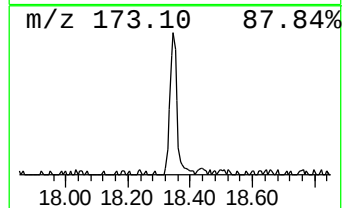
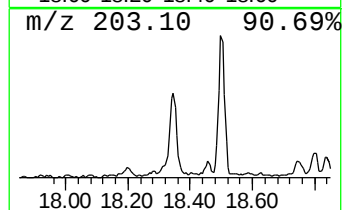
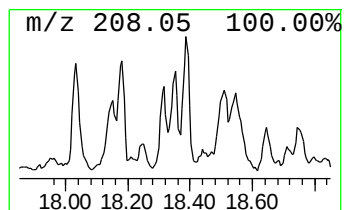
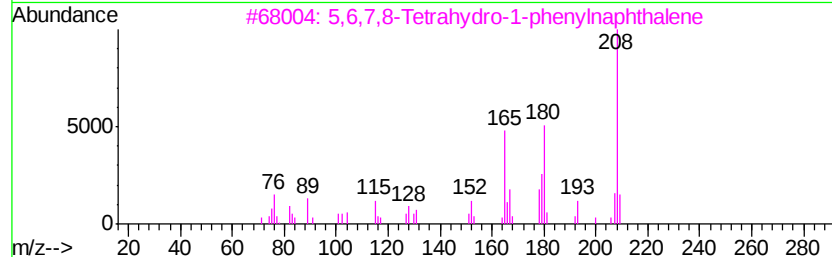
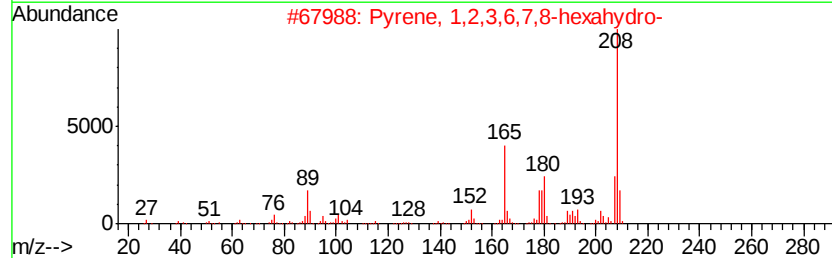
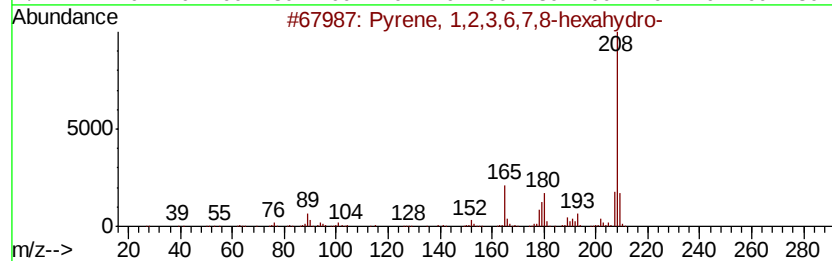
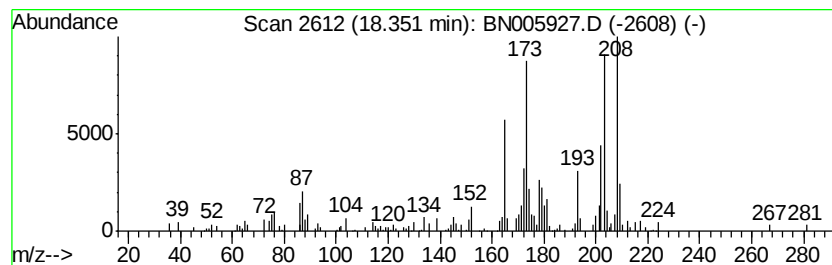
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.03 ng/ul	293467	Phenanthrene-d10	17.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1,2,3,6,7,8-hexahydro-	208	C16H16	001732-13-4	35
2			Pyrene, 1,2,3,6,7,8-hexahydro-	208	C16H16	001732-13-4	20
3			5,6,7,8-Tetrahydro-1-phenylnapht...	208	C16H16	067064-63-5	15
4			Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	15
5			3,5-Dimethoxy-4-hydroxycinnamal...	208	C11H12O4	087345-53-7	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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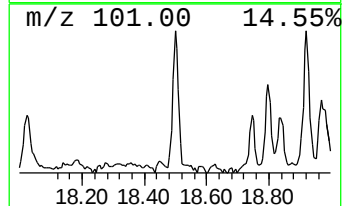
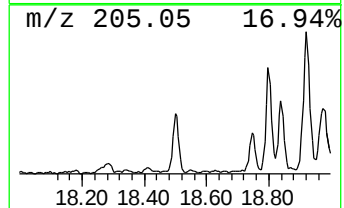
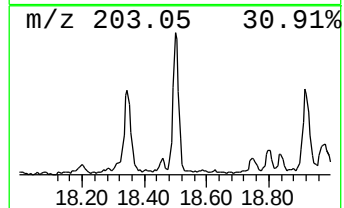
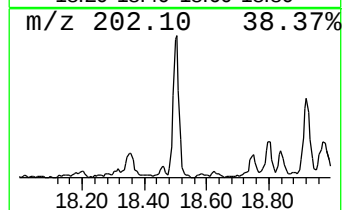
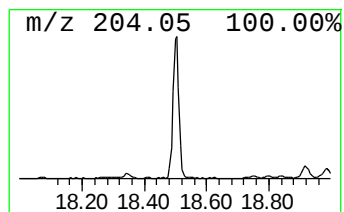
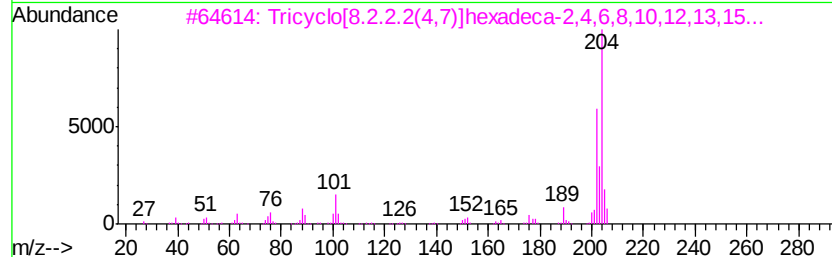
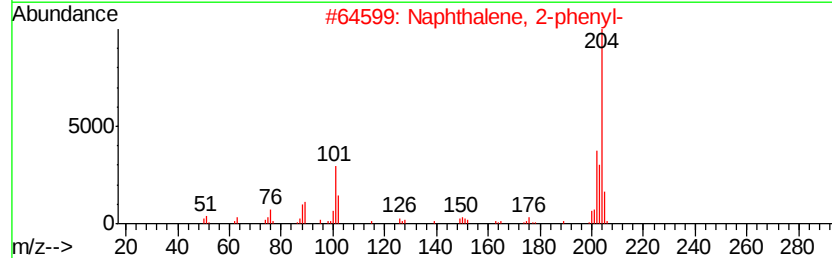
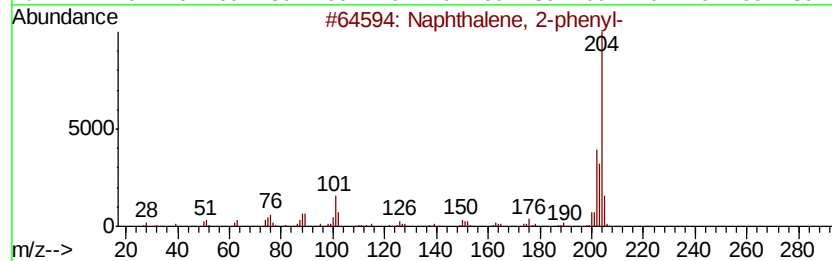
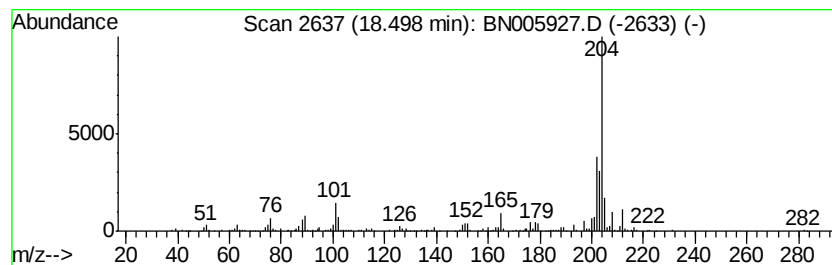
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.55 ng/ul	513842	Phenanthrene-d10	17.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
4		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
5		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

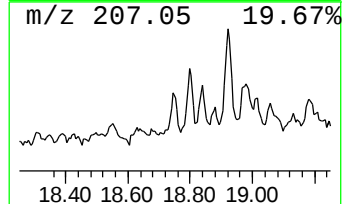
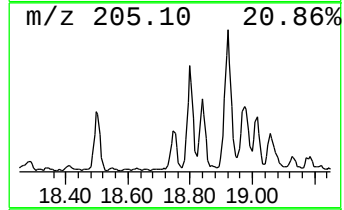
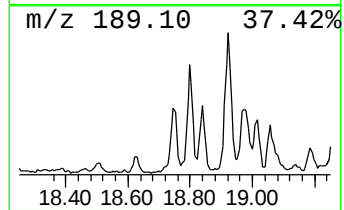
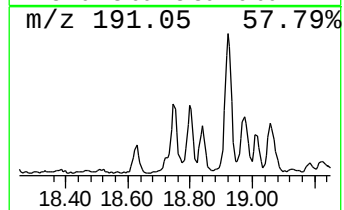
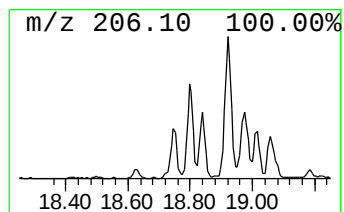
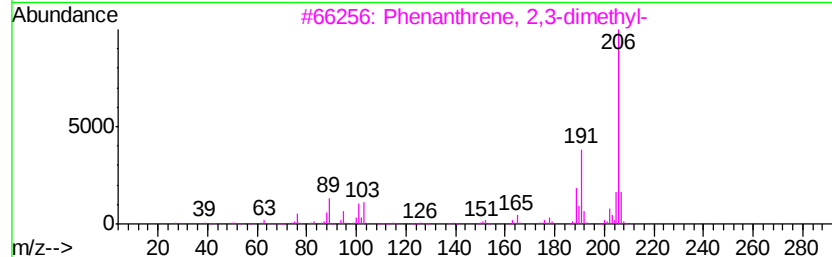
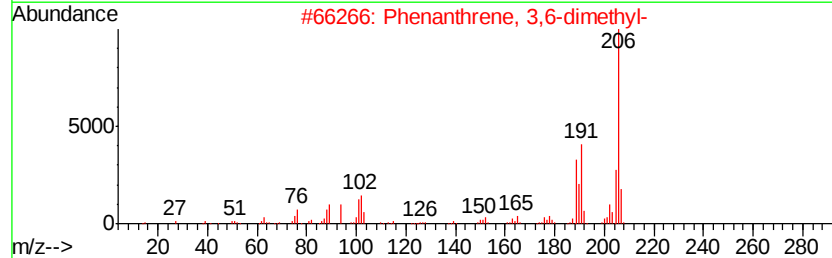
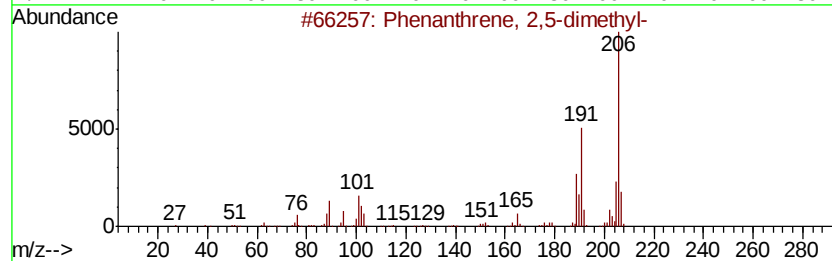
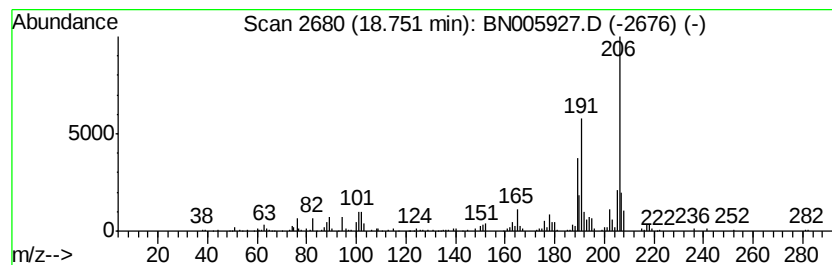
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.75	2.10 ng/ul	303497	Phenanthrene-d10	17.12		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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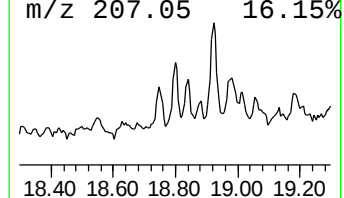
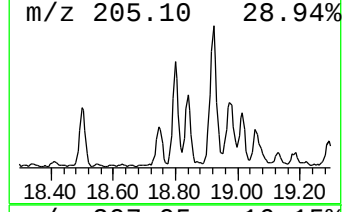
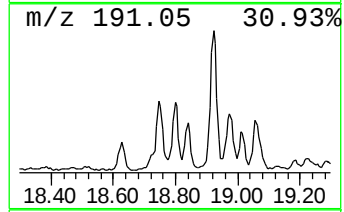
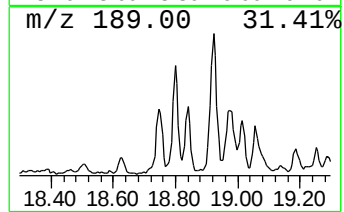
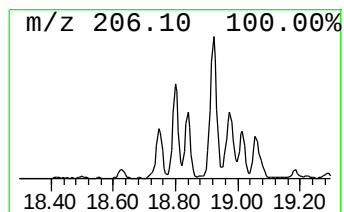
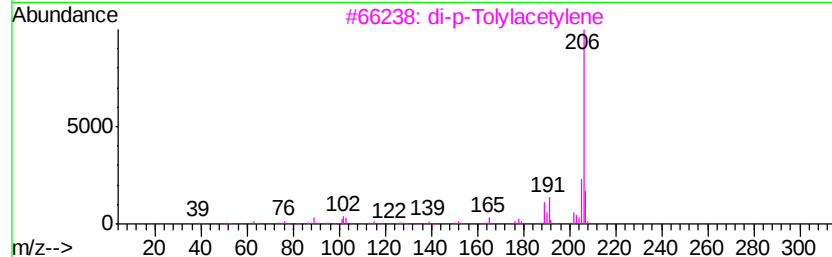
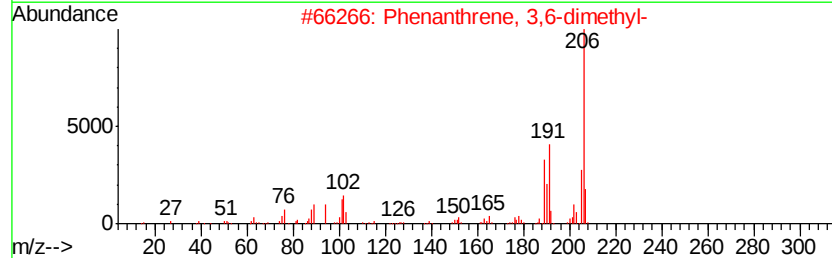
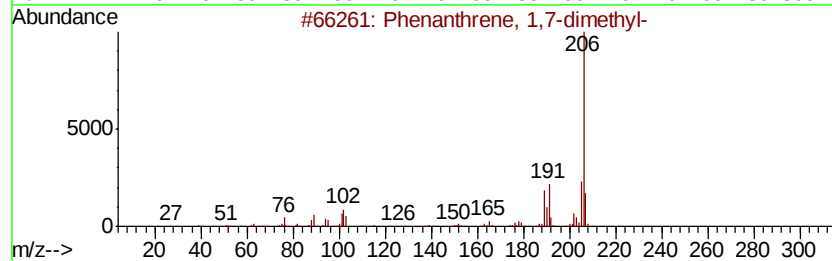
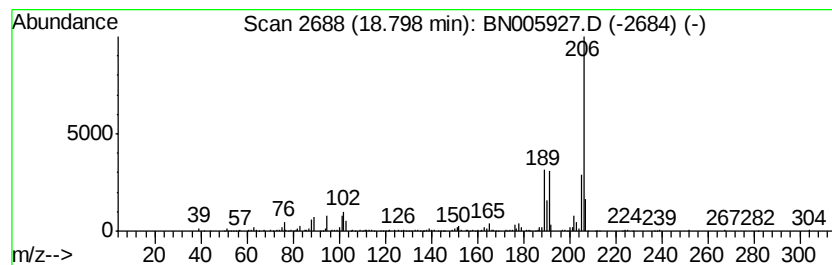
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.91 ng/ul	421845	Phenanthrene-d10	17.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			di-p-Tolylacetvlene	206	C16H14	002789-88-0	91
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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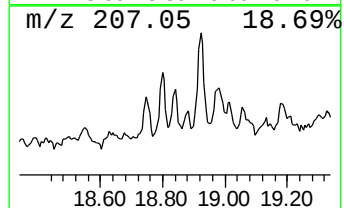
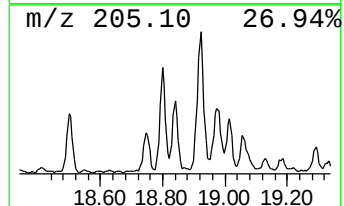
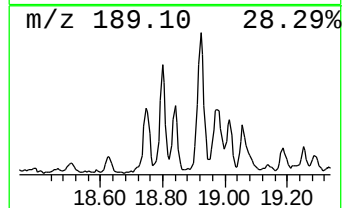
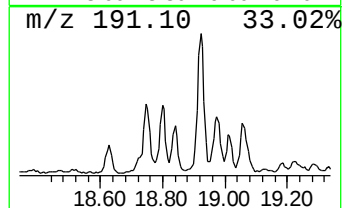
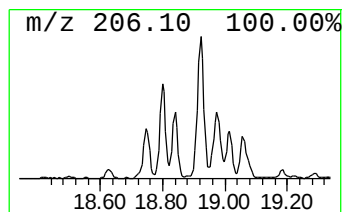
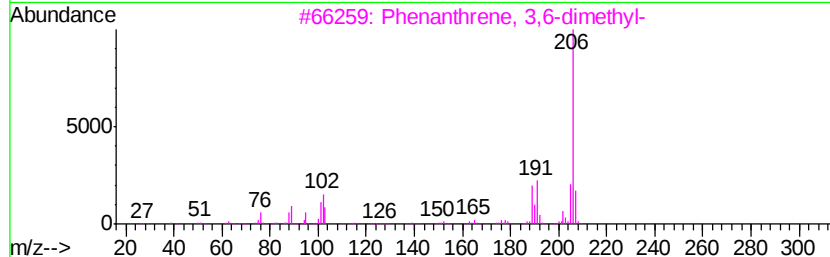
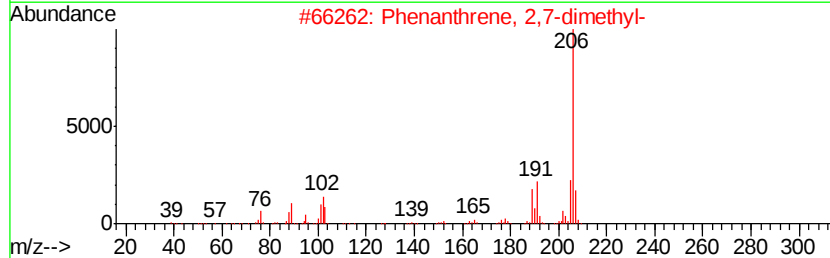
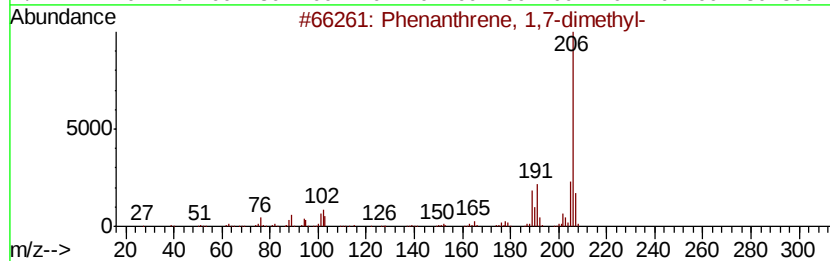
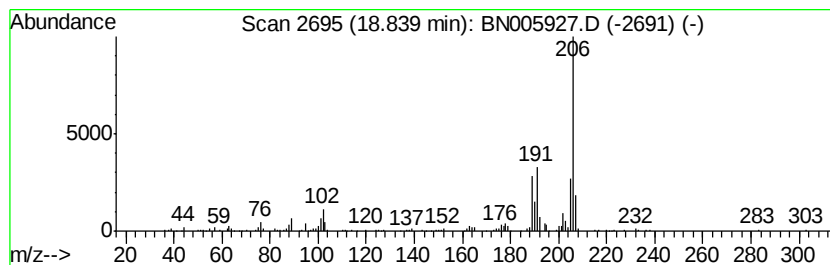
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.02 ng/ul	292609	Phenanthrene-d10	17.12

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
2			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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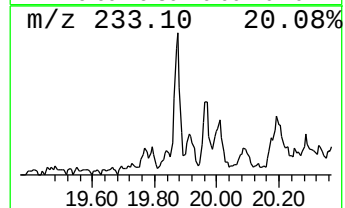
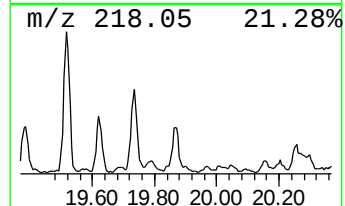
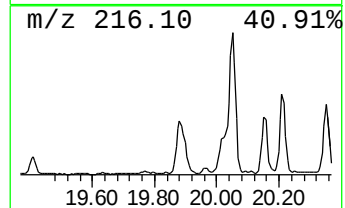
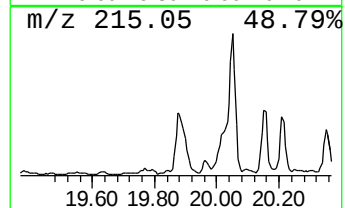
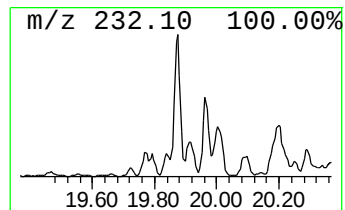
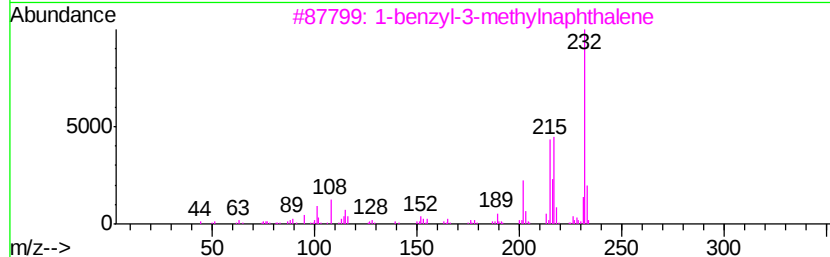
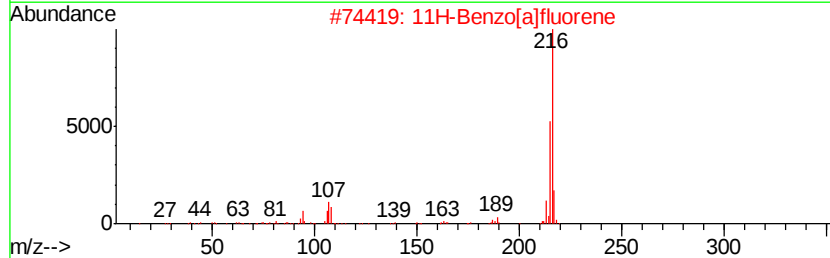
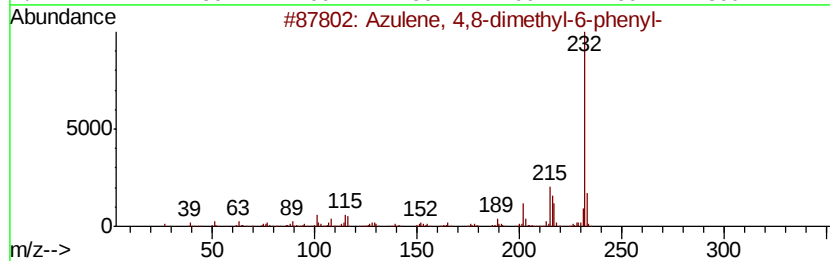
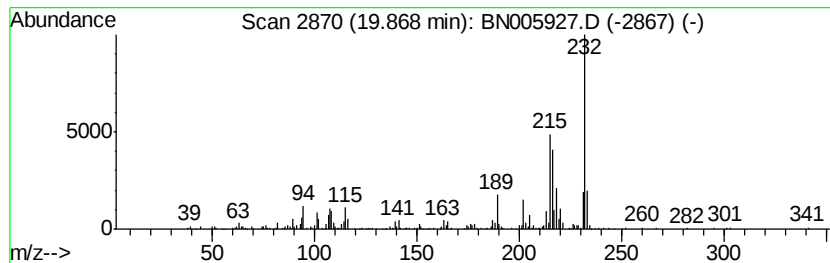
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Azulene, 4,8-dimethyl-6-phe... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.39 ng/ul	596095	Chrysene-d12	21.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	64
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	56
3			1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	52
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
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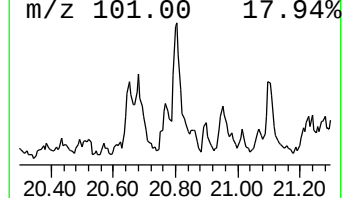
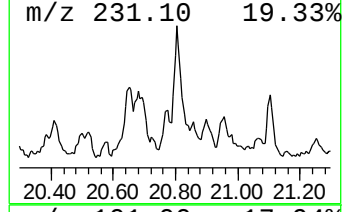
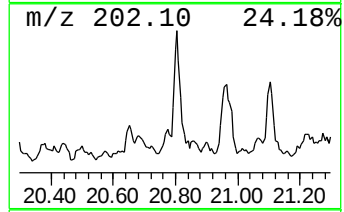
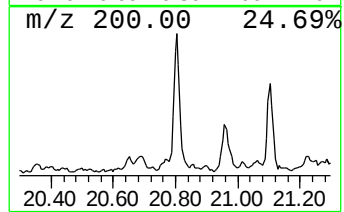
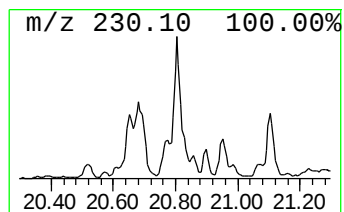
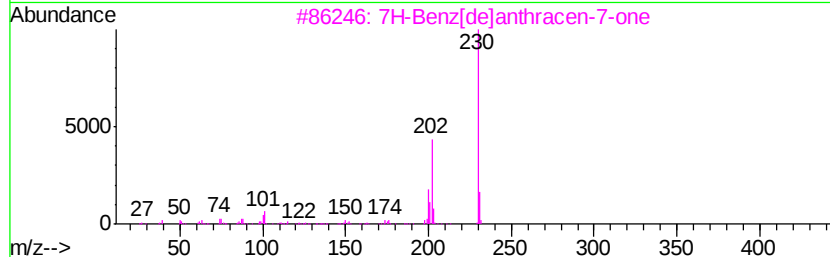
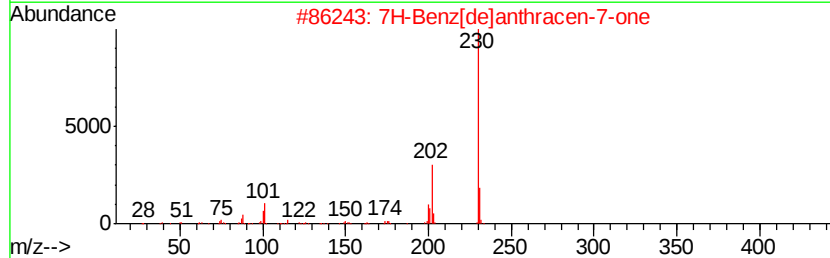
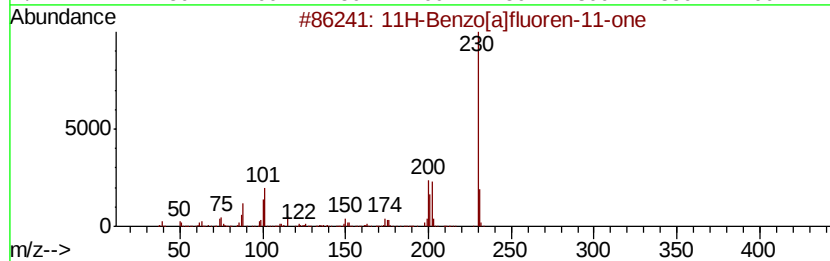
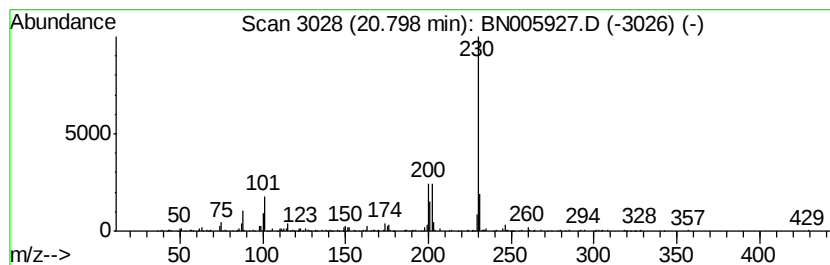
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.42 ng/ul	603749	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72



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Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
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Instrument :
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ClientSampleId :
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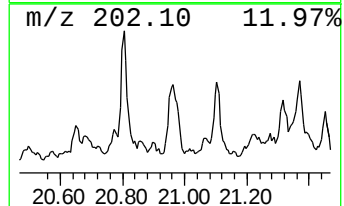
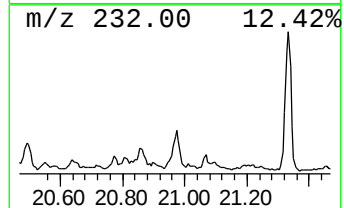
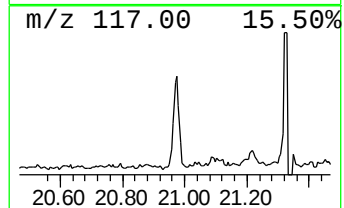
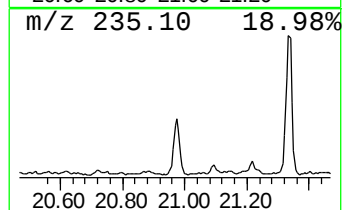
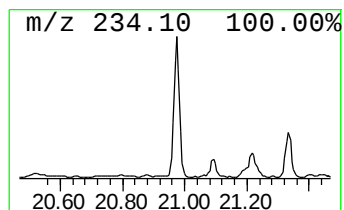
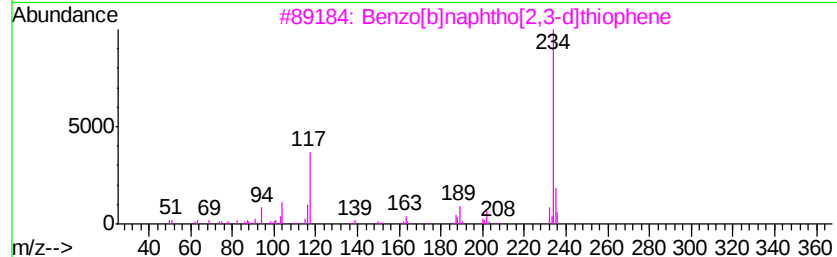
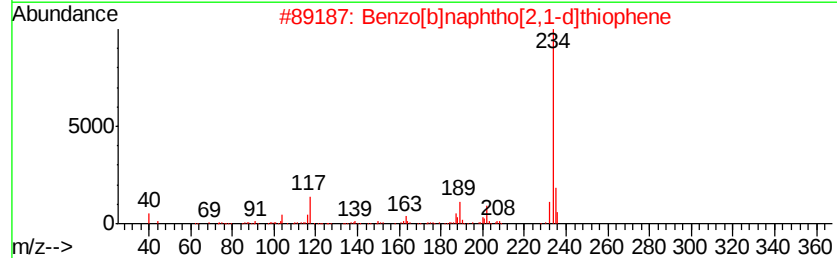
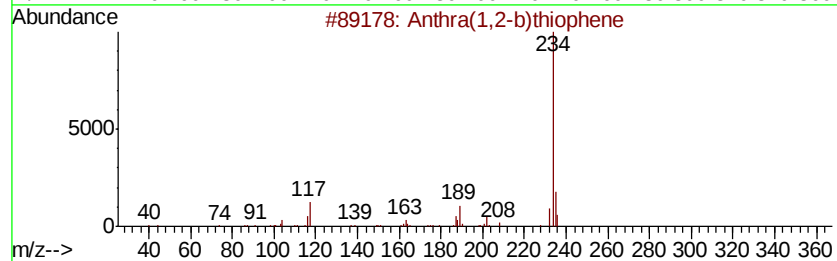
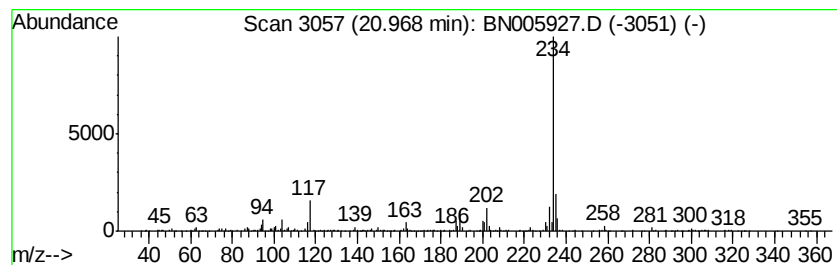
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Anthra(1,2-b)thiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.02 ng/ul	505222	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	98
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	97
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
5		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
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Misc :
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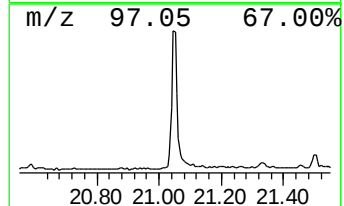
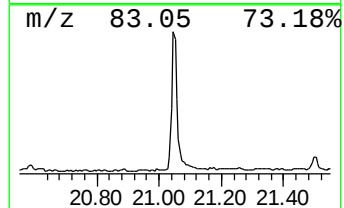
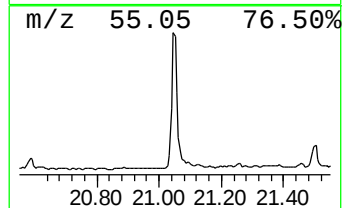
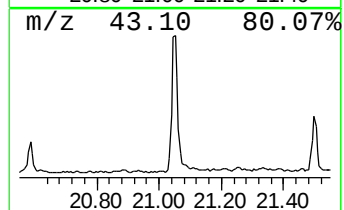
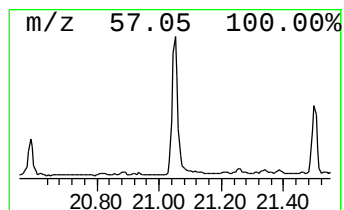
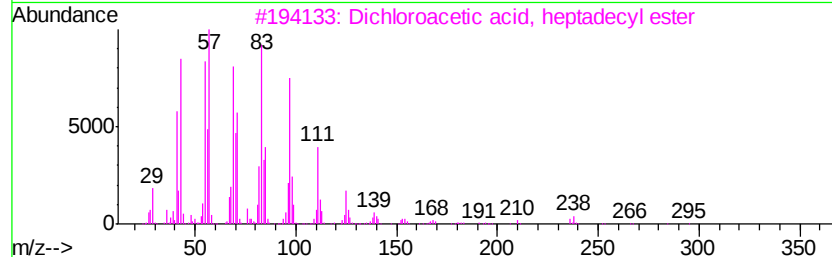
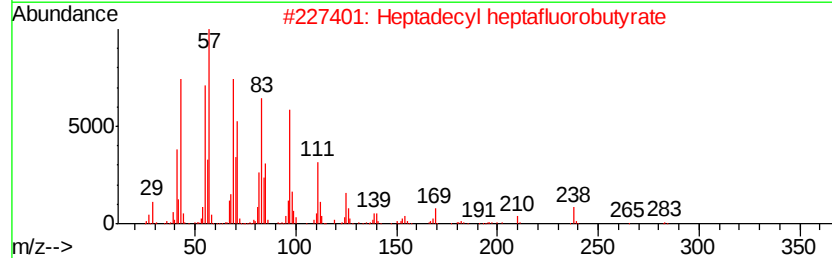
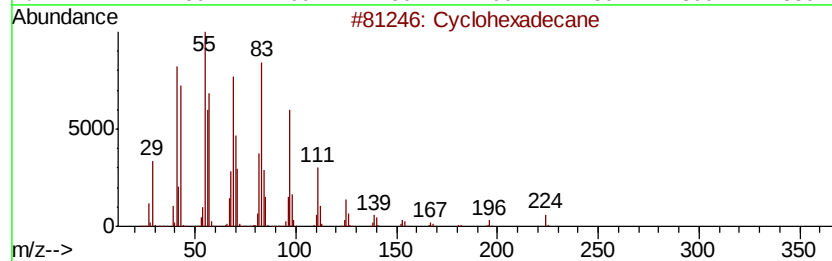
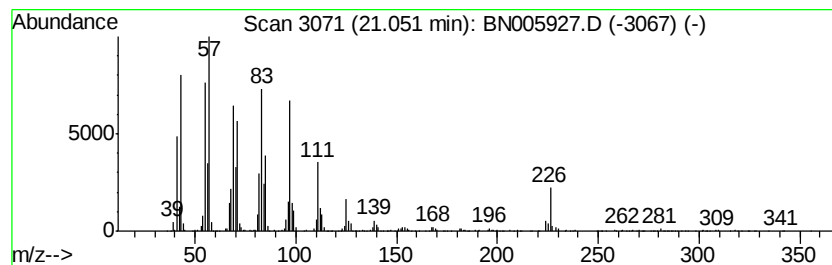
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic21.05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	6.66 ng/ul	1663980	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	94
2		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
4		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	90
5		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Sample : K2928-07
Misc :
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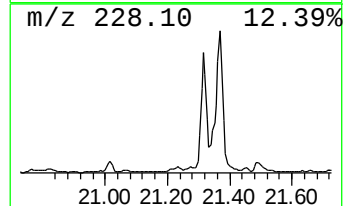
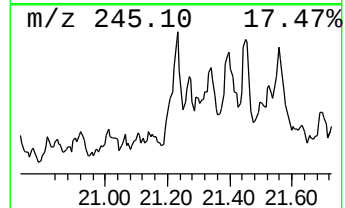
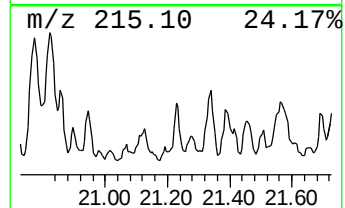
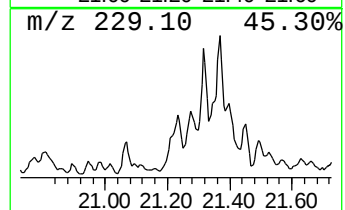
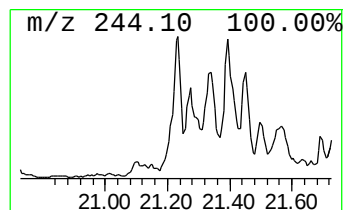
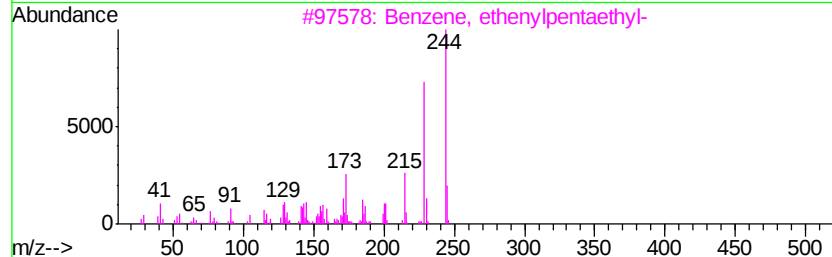
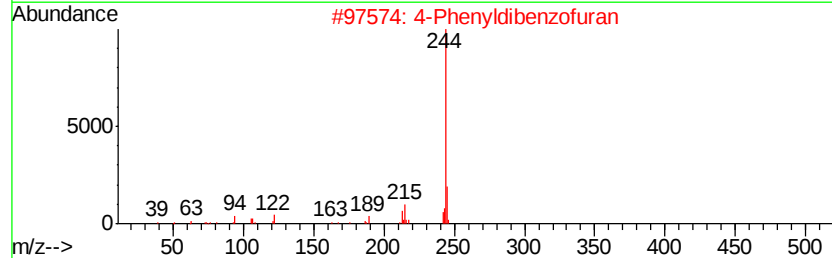
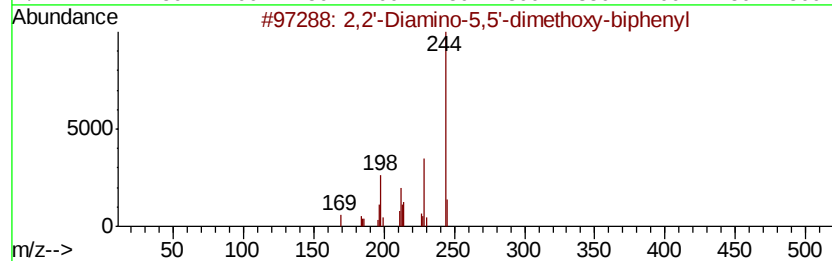
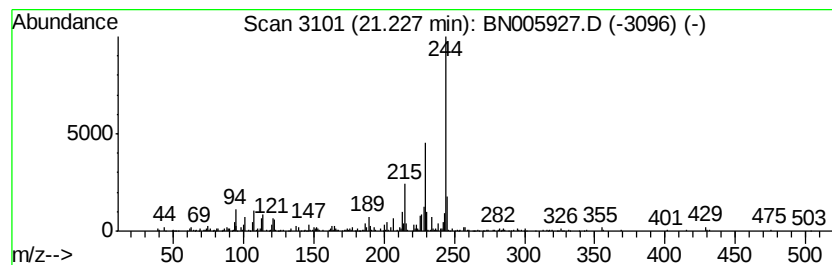
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 2,2'-Diamino-5,5'-dimethoxy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.02 ng/ul	504511	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2'-Diamino-5,5'-dimethoxy-biph...	244	C14H16N2O2	074199-63-6	59
2		4-Phenyldibenzofuran	244	C18H12O	1000314-39-5	53
3		Benzene, ethenylpentaethyl-	244	C18H28	002715-34-6	50
4		1,1':4',1''-Terphenyl-, 3'-methyl-	244	C19H16	033776-38-4	47
5		Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
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Sample : K2928-07
Misc :
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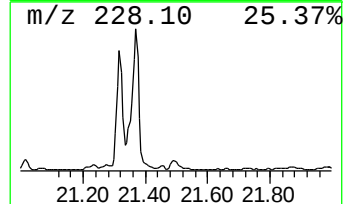
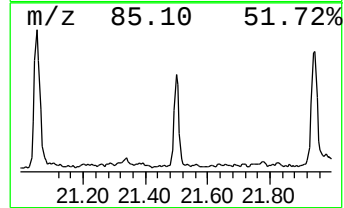
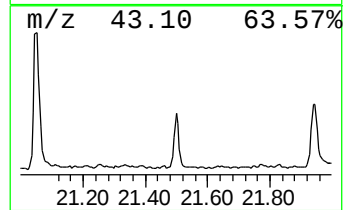
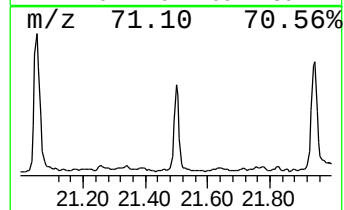
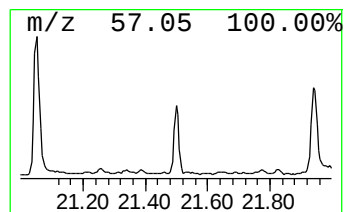
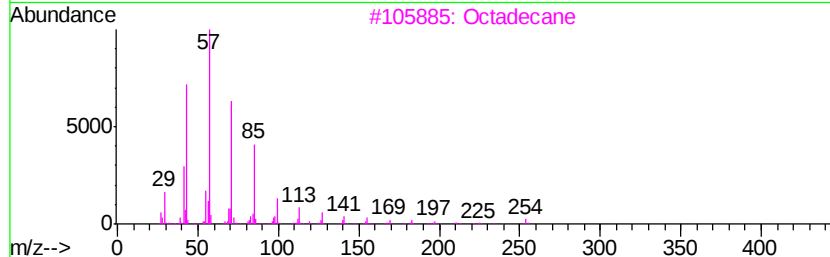
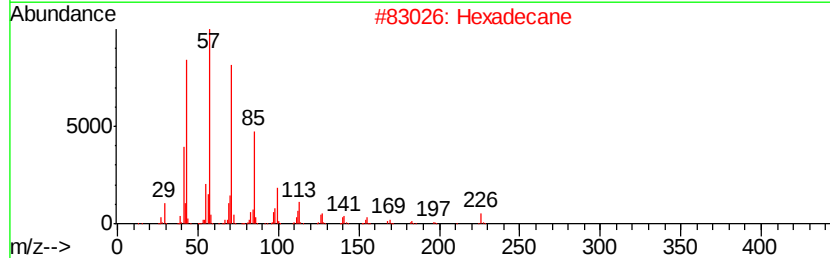
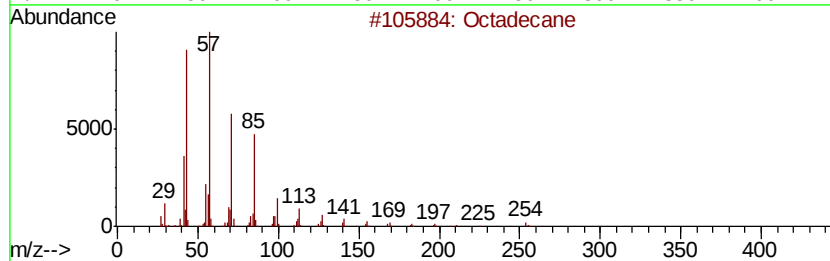
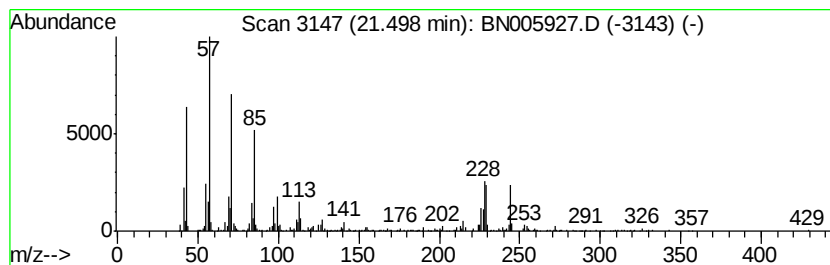
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.38 ng/ul	595526	Chrysene-d12	21.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	86
2			Hexadecane	226	C16H34	000544-76-3	70
3			Octadecane	254	C18H38	000593-45-3	64
4			Hexadecane	226	C16H34	000544-76-3	55
5			Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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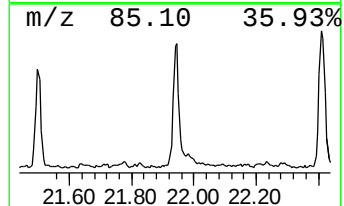
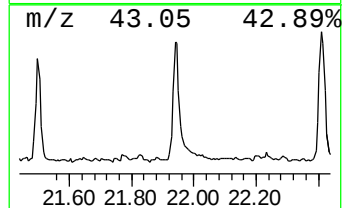
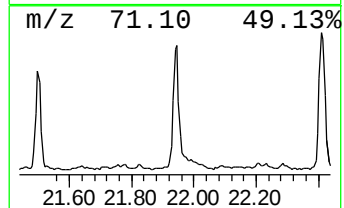
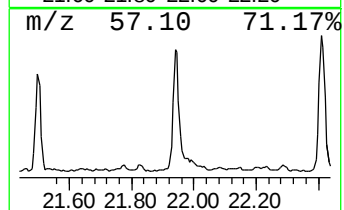
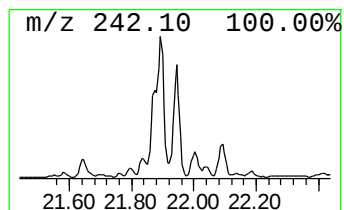
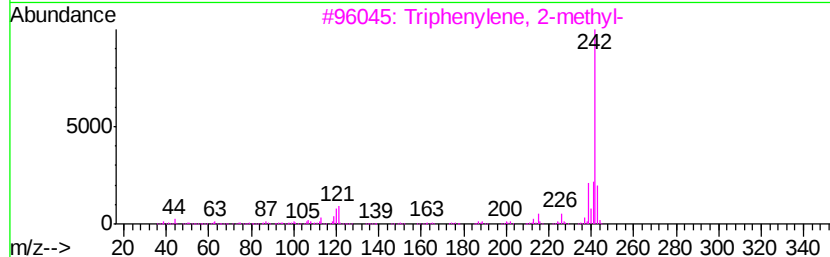
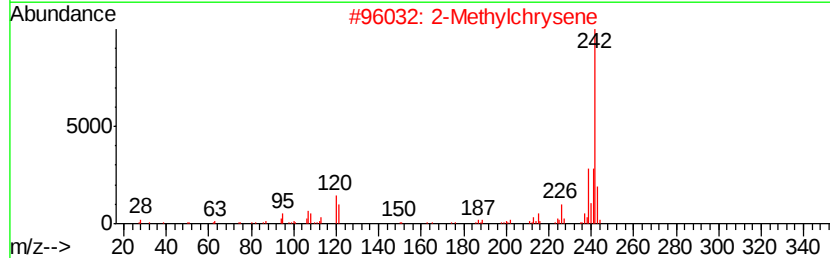
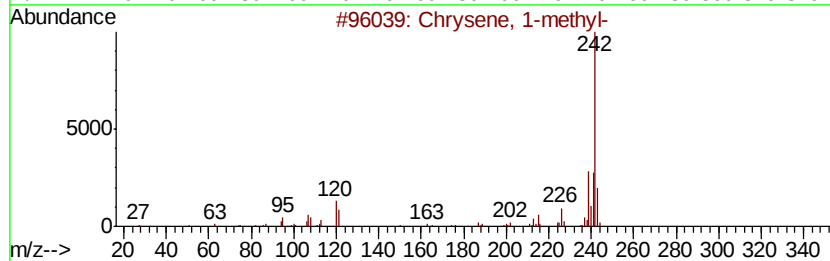
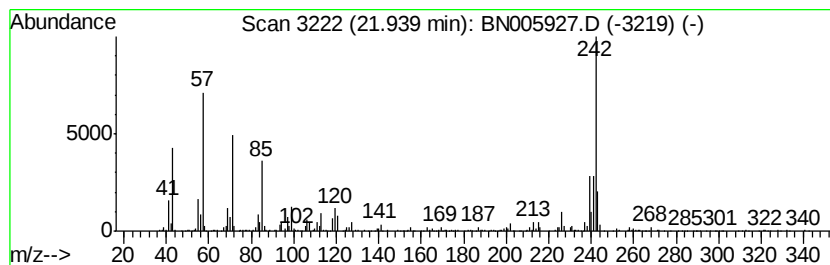
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Chrysene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	4.19 ng/ul	1047940	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2		2-Methylchrysene	242	C19H14	003351-32-4	95
3		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
4		Benz[<i>a</i>]anthracene, 1-methyl-	242	C19H14	002498-77-3	90
5		Chrysene, 3-methyl-	242	C19H14	003351-31-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
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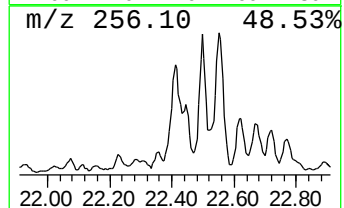
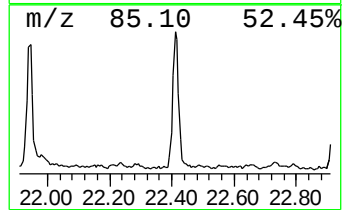
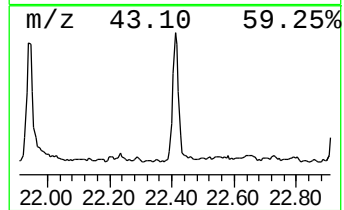
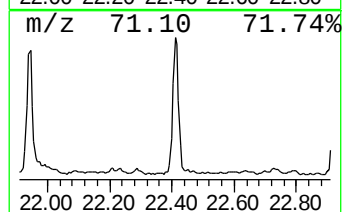
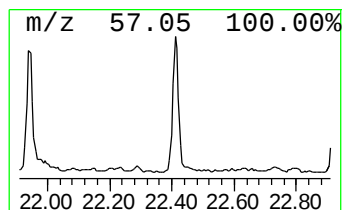
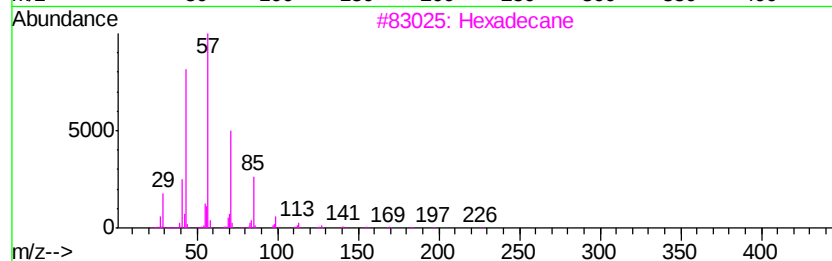
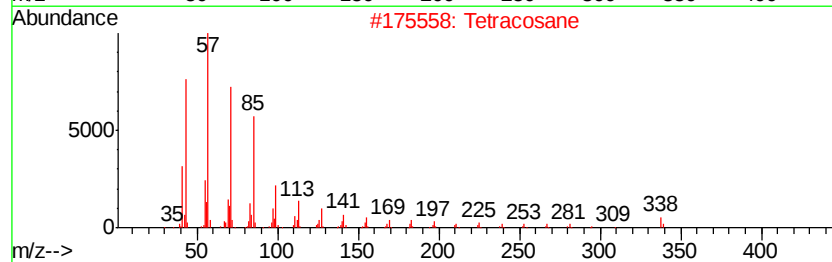
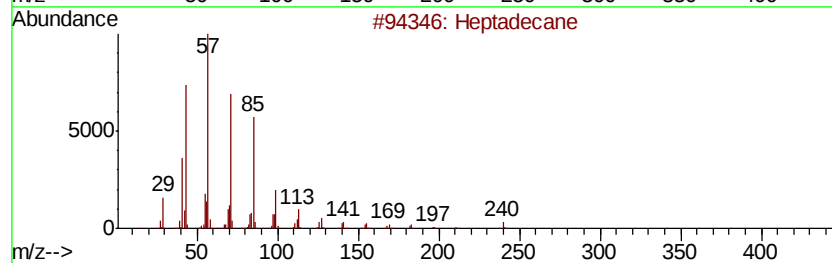
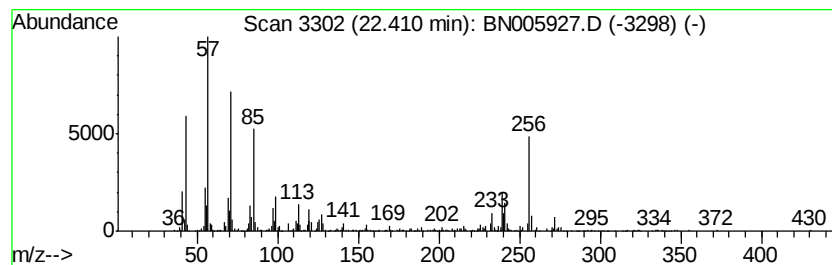
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.41	3.93 ng/ul	981483	Chrysene-d12	21.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	94
2		Tetracosane	338	C24H50	000646-31-1	86
3		Hexadecane	226	C16H34	000544-76-3	86
4		Hexadecane	226	C16H34	000544-76-3	86
5		Hexadecane	226	C16H34	000544-76-3	86



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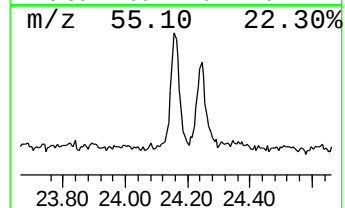
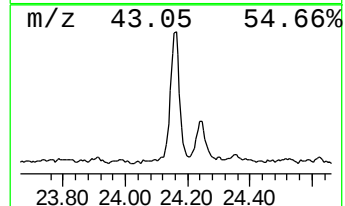
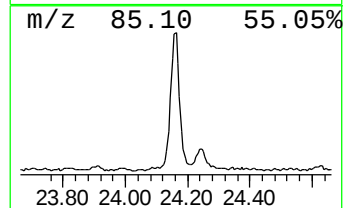
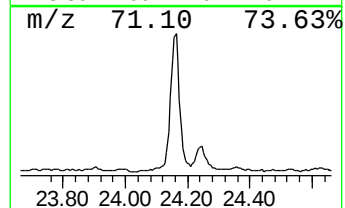
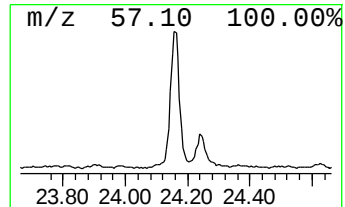
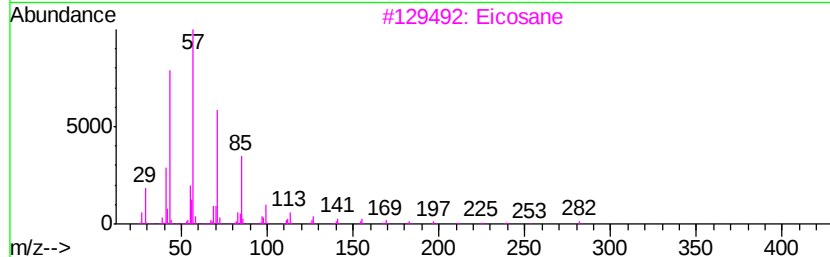
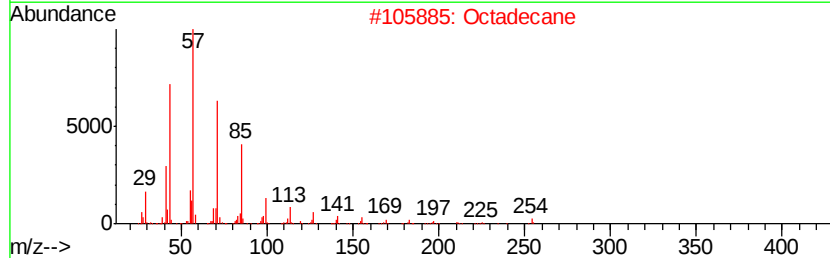
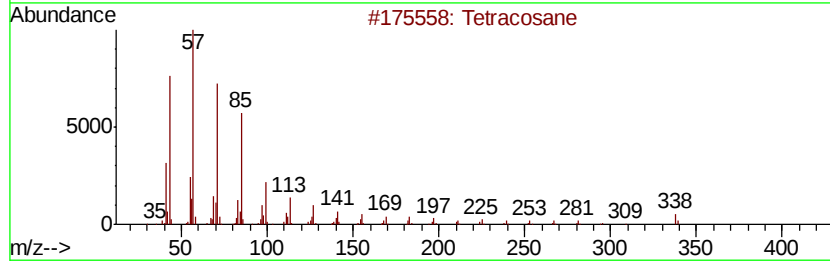
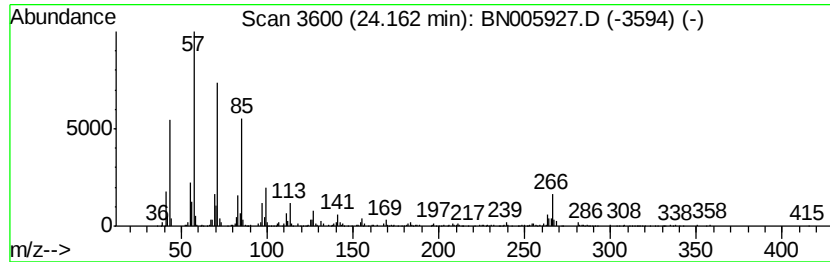
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.16	6.06 ng/ul	1099260	Perylene-d12	23.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	98
2			Octadecane	254	C18H38	000593-45-3	86
3			Eicosane	282	C20H42	000112-95-8	86
4			Heneicosane	296	C21H44	000629-94-7	76
5			Octacosane	394	C28H58	000630-02-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005927.D
Acq On : 29 May 2019 13:18
Operator : JU/SJ
Sample : K2928-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42C3

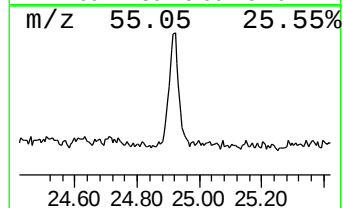
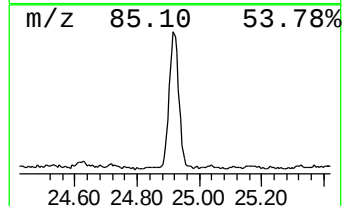
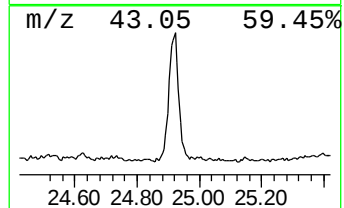
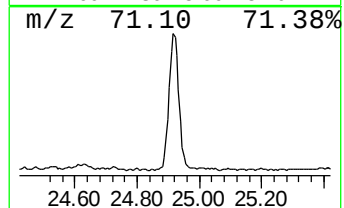
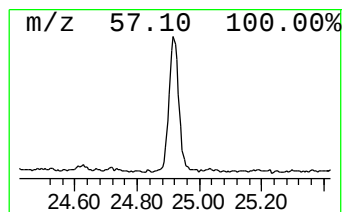
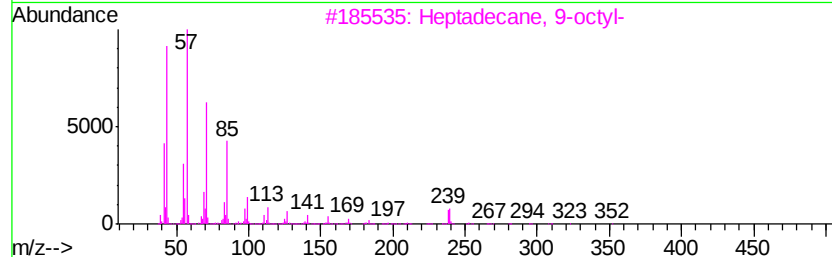
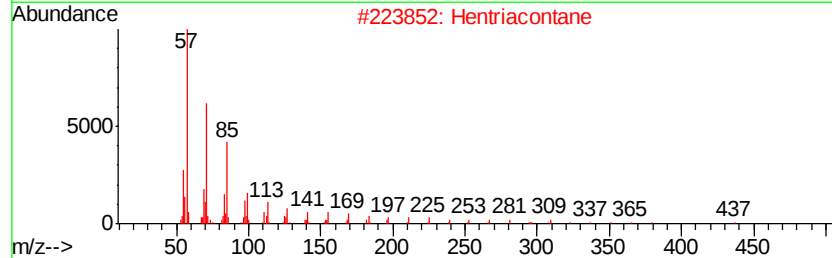
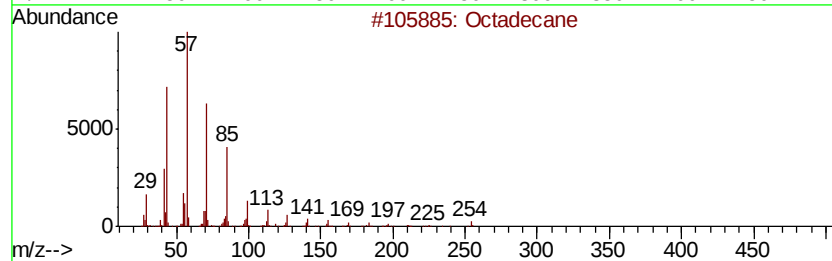
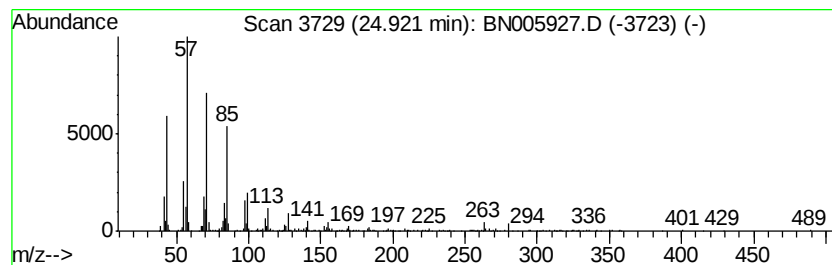
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.92	4.08 ng/ul	741091	Perylene-d12	23.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	91
2			Hentriacontane	437	C31H64	000630-04-6	90
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4			Octacosane	394	C28H58	000630-02-4	87
5			Tridecane, 6-propyl-	226	C16H34	055045-10-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
 Data File : BN005927.D
 Acq On : 29 May 2019 13:18
 Operator : JU/SJ
 Sample : K2928-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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
Butane, 2,3-dimet...	3.89	2.2	ng/ul	114747	1	7.73	1023320	20.0
unknown-01	4.87	2.9	ng/ul	149493	1	7.73	1023320	20.0
Naphthalene, 2,3-...	13.69	2.3	ng/ul	265566	3	14.37	2300720	20.0
Naphthalene, 1,6,...	14.77	2.2	ng/ul	250528	3	14.37	2300720	20.0
Benzo[c]cinnoline	16.77	2.1	ng/ul	299822	4	17.12	2894380	20.0
9H-Fluorene, 2,3-...	17.31	2.3	ng/ul	327260	4	17.12	2894380	20.0
.alpha.-Methylsti...	17.40	2.1	ng/ul	302610	4	17.12	2894380	20.0
Phenanthrene, 2-m...	18.00	5.9	ng/ul	851770	4	17.12	2894380	20.0
1H-Cyclopropa[l]p...	18.04	14.6	ng/ul	2105600	4	17.12	2894380	20.0
Anthracene, 1-met...	18.18	5.6	ng/ul	816388	4	17.12	2894380	20.0
unknown-02	18.35	2.0	ng/ul	293467	4	17.12	2894380	20.0
Naphthalene, 2-ph...	18.50	3.5	ng/ul	513842	4	17.12	2894380	20.0
Phenanthrene, 2,5...	18.75	2.1	ng/ul	303497	4	17.12	2894380	20.0
Phenanthrene, 1,7...	18.80	2.9	ng/ul	421845	4	17.12	2894380	20.0
Phenanthrene, 3,6...	18.84	2.0	ng/ul	292609	4	17.12	2894380	20.0
Azulene, 4,8-dime...	19.87	2.4	ng/ul	596095	5	21.33	4998250	20.0
11H-Benzo[a]fluor...	20.80	2.4	ng/ul	603749	5	21.33	4998250	20.0
Anthra(1,2-b)thio...	20.97	2.0	ng/ul	505222	5	21.33	4998250	20.0
(DEL) Alkane: Cyc...	21.05	6.7	ng/ul	1663980	5	21.33	4998250	20.0
2,2'-Diamino-5,5'...	21.23	2.0	ng/ul	504511	5	21.33	4998250	20.0
(DEL) Alkane: Str...	21.50	2.4	ng/ul	595526	5	21.33	4998250	20.0
Chrysene, 1-methyl-	21.94	4.2	ng/ul	1047940	5	21.33	4998250	20.0
(DEL) Alkane: Str...	22.41	3.9	ng/ul	981483	5	21.33	4998250	20.0
(DEL) Alkane: Str...	24.16	6.1	ng/ul	1099260	6	23.60	3630390	20.0
(DEL) Alkane: Str...	24.92	4.1	ng/ul	741091	6	23.60	3630390	20.0