

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005358.D
 Acq On : 29 Apr 2019 19:09
 Operator : JU/SJ
 Sample : K2456-12DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ0DL

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-BN041919MA.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	5.628	443	449	458	rBV	280596	447757	3.08%	0.202%
2	7.258	719	726	735	rBV	432862	792973	5.46%	0.358%
3	7.593	775	783	791	rBV	1162596	1850203	12.74%	0.835%
4	8.852	990	997	1009	rBV	198088	421255	2.90%	0.190%
5	9.934	1172	1181	1186	rVV	401339	802585	5.53%	0.362%
6	10.352	1245	1252	1266	rVB	1639818	2805554	19.31%	1.267%
7	11.546	1450	1455	1458	rBV4	214731	404075	2.78%	0.182%
8	11.681	1469	1478	1483	rBV2	199440	478253	3.29%	0.216%
9	11.875	1503	1511	1519	rVB3	424282	1210856	8.34%	0.547%
10	12.022	1531	1536	1544	rVB2	192443	374428	2.58%	0.169%
11	13.193	1730	1735	1741	rBV	287636	542681	3.74%	0.245%
12	13.463	1776	1781	1784	rBV	325999	522660	3.60%	0.236%
13	13.646	1807	1812	1813	rBV2	501271	665056	4.58%	0.300%
14	13.675	1813	1817	1823	rVV	2560045	3820671	26.30%	1.725%
15	13.946	1853	1863	1870	rBV	2940726	5036120	34.67%	2.274%
16	14.151	1893	1898	1902	rBV	321146	419218	2.89%	0.189%
17	14.228	1903	1911	1917	rVV2	2202119	3566230	24.55%	1.610%
18	14.769	1998	2003	2008	rVB3	236856	419235	2.89%	0.189%
19	14.834	2008	2014	2019	rBV	1485771	2398446	16.51%	1.083%
20	14.881	2019	2022	2028	rVV	369436	619783	4.27%	0.280%
21	14.940	2028	2032	2038	rVB	393216	539681	3.72%	0.244%
22	14.998	2038	2042	2050	rBV2	348594	692904	4.77%	0.313%
23	15.104	2055	2060	2065	rVB2	1016058	1464697	10.08%	0.661%
24	15.222	2076	2080	2086	rVB	831067	1200526	8.26%	0.542%
25	15.298	2087	2093	2101	rBV	363326	755606	5.20%	0.341%
26	15.504	2120	2128	2135	rVV3	501073	1424748	9.81%	0.643%
27	15.969	2201	2207	2210	rBV3	611546	1195767	8.23%	0.540%
28	16.345	2267	2271	2280	rBV6	194931	393279	2.71%	0.178%
29	16.557	2303	2307	2313	rVB	839715	1179800	8.12%	0.533%
30	16.822	2349	2352	2358	rVB3	287443	449845	3.10%	0.203%
31	16.981	2373	2379	2383	rBV	2953928	4201655	28.93%	1.897%
32	17.022	2383	2386	2390	rVV	956289	1265025	8.71%	0.571%
33	17.075	2391	2395	2398	rVV2	539114	898787	6.19%	0.406%
34	17.110	2398	2401	2407	rVB	1692510	2228952	15.35%	1.006%

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35	17.175	2407	2412	2419	rBV5	297643	747715	5.15%	0.338%
36	17.463	2458	2461	2465	rVV3	291892	466330	3.21%	0.211%
37	17.504	2465	2468	2473	rVB	674346	895027	6.16%	0.404%
38	17.663	2490	2495	2508	rVB4	398609	1210004	8.33%	0.546%
39	17.857	2524	2528	2532	rBV	1111359	1451269	9.99%	0.655%
40	17.904	2532	2536	2545	rVB	1570330	2175991	14.98%	0.982%
41	17.987	2546	2550	2555	rBV	733623	1002421	6.90%	0.453%
42	18.051	2555	2561	2566	rBV2	1534492	3428023	23.60%	1.548%
43	18.257	2593	2596	2601	rVB3	324702	462042	3.18%	0.209%
44	18.334	2605	2609	2612	rVV2	374267	739914	5.09%	0.334%
45	18.369	2612	2615	2618	rVB2	651127	785062	5.40%	0.354%
46	18.616	2654	2657	2661	rBV	557086	701861	4.83%	0.317%
47	18.669	2663	2666	2670	rVB	588401	742064	5.11%	0.335%
48	18.710	2670	2673	2677	rVB	496635	604055	4.16%	0.273%
49	18.792	2682	2687	2692	rBV2	1900400	3044764	20.96%	1.375%
50	18.851	2692	2697	2700	rVV3	1093308	1824401	12.56%	0.824%
51	18.881	2700	2702	2706	rVB	771424	889626	6.12%	0.402%
52	18.934	2706	2711	2718	rBV3	1436249	2775493	19.11%	1.253%
53	19.057	2727	2732	2737	rVB2	3720669	5183551	35.69%	2.340%
54	19.128	2740	2744	2747	rBV	673601	900183	6.20%	0.406%
55	19.204	2754	2757	2762	rVB	994916	1286936	8.86%	0.581%
56	19.328	2774	2778	2785	rVB	1058987	1816115	12.50%	0.820%
57	19.422	2785	2794	2803	rBV	8198102	13278788	91.42%	5.995%
58	19.510	2806	2809	2814	rVB	680164	989271	6.81%	0.447%
59	19.663	2831	2835	2842	rVB5	795077	1498343	10.32%	0.676%
60	19.757	2846	2851	2862	rBV3	1829704	3892927	26.80%	1.758%
61	19.845	2862	2866	2869	rBV4	398044	607330	4.18%	0.274%
62	19.904	2869	2876	2878	rBV3	1882168	4072802	28.04%	1.839%
63	19.981	2885	2889	2893	rBV5	469990	823838	5.67%	0.372%
64	20.028	2893	2897	2903	rVV2	1127108	1638999	11.28%	0.740%
65	20.086	2903	2907	2911	rVV2	2390048	3137574	21.60%	1.417%
66	20.228	2927	2931	2935	rBV	2531893	3318413	22.85%	1.498%
67	20.275	2935	2939	2944	rVB	2346528	3101358	21.35%	1.400%
68	20.486	2972	2975	2977	rBV3	444544	525202	3.62%	0.237%
69	20.533	2979	2983	2986	rVV2	580008	922043	6.35%	0.416%
70	20.686	3006	3009	3016	rVB	1342507	2264451	15.59%	1.022%
71	20.775	3021	3024	3028	rBV	485398	582184	4.01%	0.263%

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72	20.828	3029	3033	3036	rBV4	762955	1314831	9.05%	0.594%
73	20.892	3041	3044	3047	rVV	1288089	1545565	10.64%	0.698%
74	20.928	3047	3050	3053	rVV	791060	1215490	8.37%	0.549%
75	20.986	3057	3060	3067	rVB	878707	1425456	9.81%	0.644%
76	21.204	3091	3097	3102	rBV2	6483516	14525474	100.00%	6.558%
77	21.251	3102	3105	3111	rVB2	4726326	6764349	46.57%	3.054%
78	21.386	3122	3128	3130	rBV3	824055	1486044	10.23%	0.671%
79	21.416	3130	3133	3139	rVB	2126072	2829725	19.48%	1.278%
80	21.575	3157	3160	3164	rVB3	561888	629580	4.33%	0.284%
81	21.710	3179	3183	3186	rBV2	1156336	1580663	10.88%	0.714%
82	21.763	3186	3192	3196	rVV	3207897	5119632	35.25%	2.311%
83	21.816	3197	3201	3206	rVB2	1815186	2754000	18.96%	1.243%
84	21.880	3207	3212	3215	rBV2	1007766	1843849	12.69%	0.832%
85	21.957	3221	3225	3227	rBV2	1382300	1923533	13.24%	0.868%
86	21.986	3227	3230	3235	rVB2	1969462	2599677	17.90%	1.174%
87	22.057	3239	3242	3247	rVB2	1004786	1370827	9.44%	0.619%
88	22.351	3289	3292	3295	rBV2	444188	691833	4.76%	0.312%
89	22.598	3330	3334	3350	rVB5	989984	2811422	19.36%	1.269%
90	22.763	3357	3362	3374	rVB3	3495289	11187060	77.02%	5.051%
91	22.927	3385	3390	3399	rVB	1405298	2420592	16.66%	1.093%
92	23.227	3435	3441	3446	rBV	2801257	4999865	34.42%	2.257%
93	23.322	3451	3457	3465	rVV	5572678	10375040	71.43%	4.684%
94	23.416	3467	3473	3477	rVV	2669423	4957035	34.13%	2.238%
95	23.463	3478	3481	3489	rVB2	1080658	2582004	17.78%	1.166%
96	24.257	3611	3616	3622	rBV3	785922	1582723	10.90%	0.715%
97	25.592	3836	3843	3855	rVB	1924489	5651252	38.91%	2.551%
98	25.851	3881	3887	3894	rVB	610542	1459256	10.05%	0.659%
99	25.933	3896	3901	3908	rVV	434722	1033390	7.11%	0.467%
100	26.263	3949	3957	3967	rVB	1227714	3540773	24.38%	1.599%

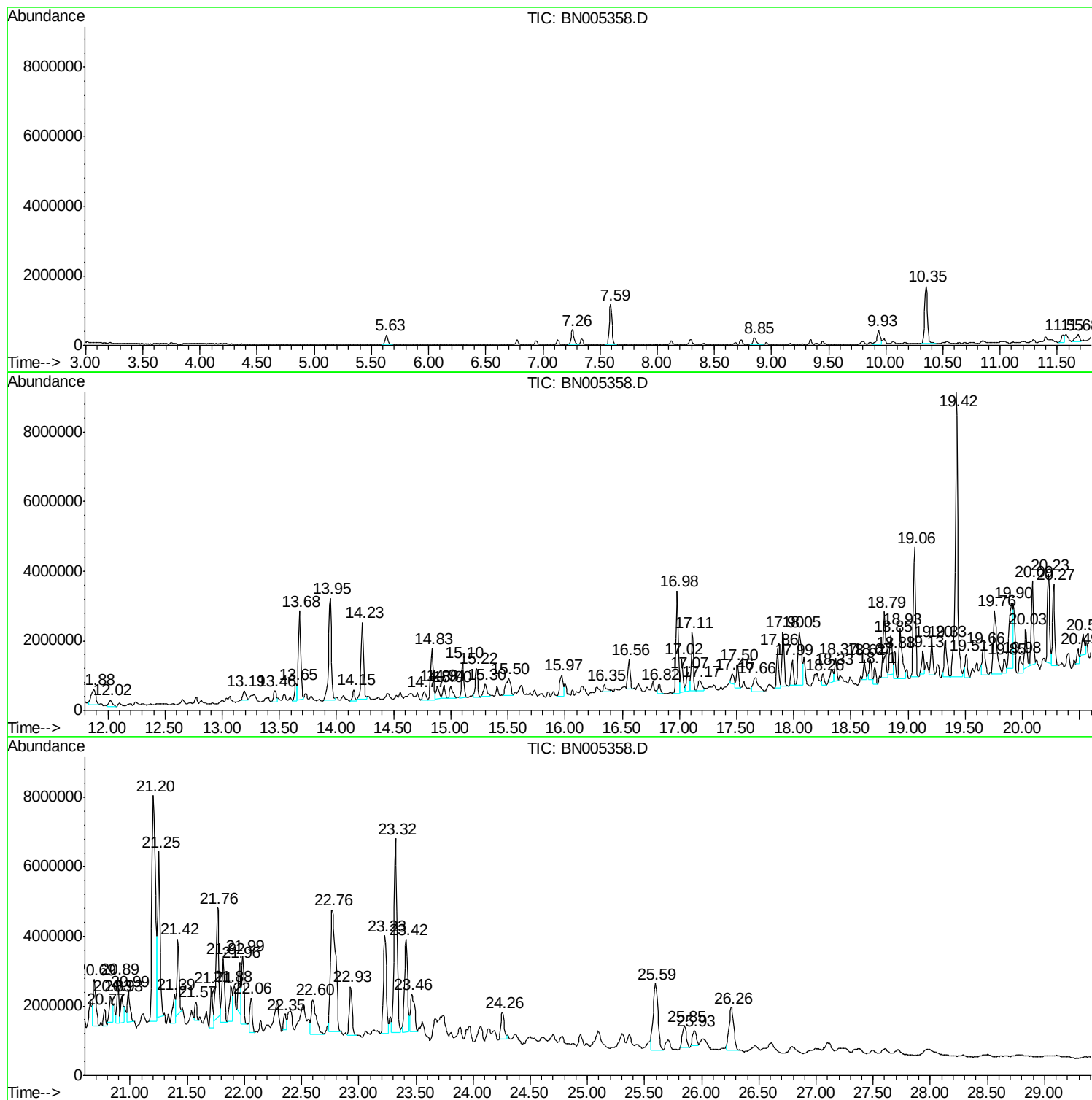
Sum of corrected areas: 221496621

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Instrument :
BNA_N
ClientSampled :
GAHQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



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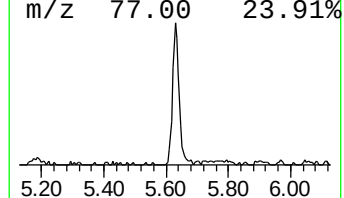
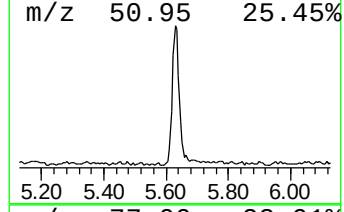
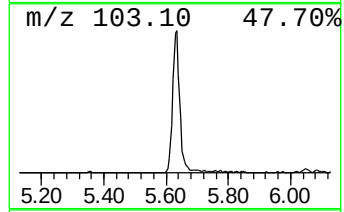
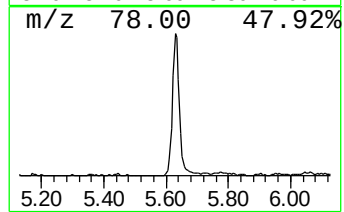
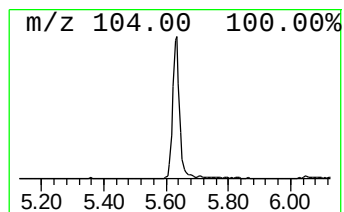
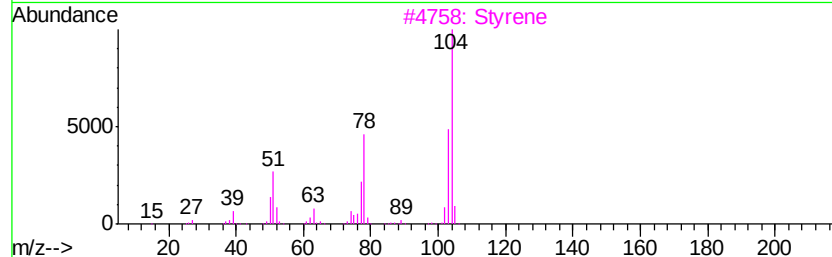
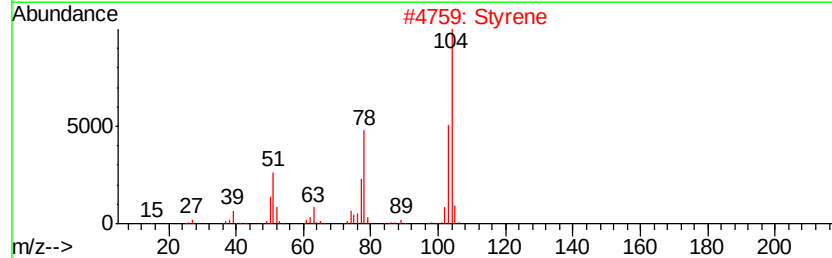
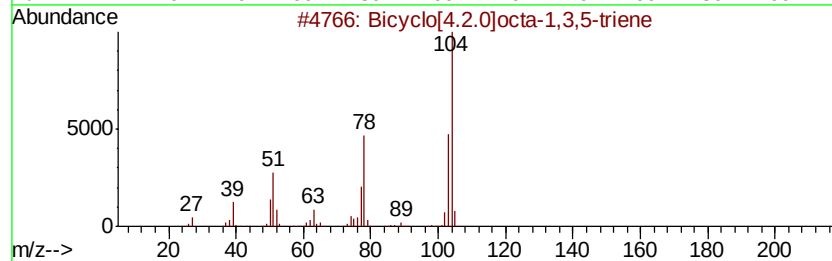
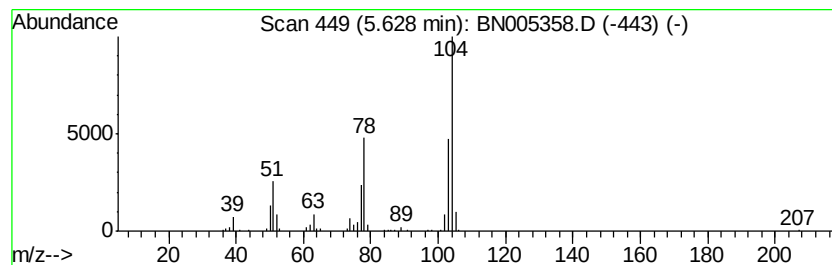
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	4.84 ng/ul	447757	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	97
2		Styrene	104	C8H8	000100-42-5	96
3		Styrene	104	C8H8	000100-42-5	96
4		1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	96
5		Styrene	104	C8H8	000100-42-5	95



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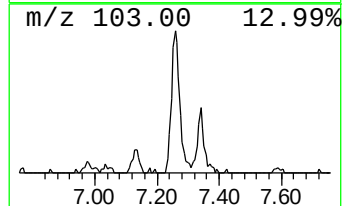
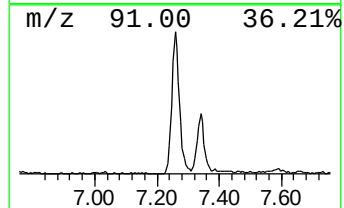
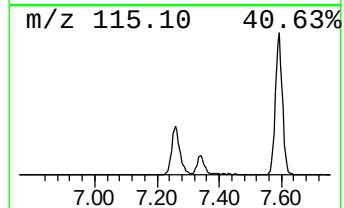
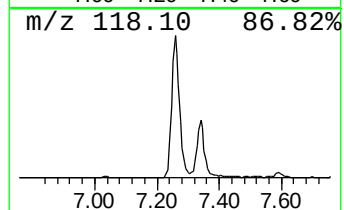
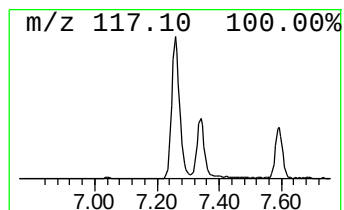
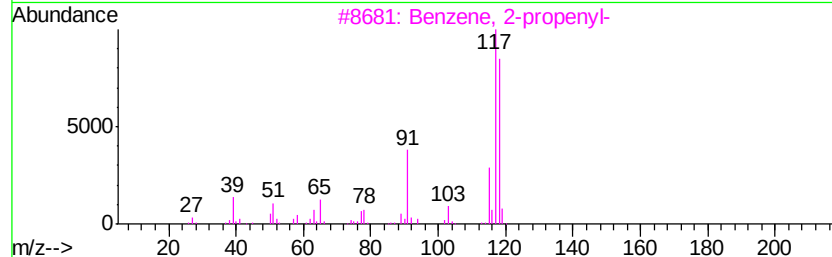
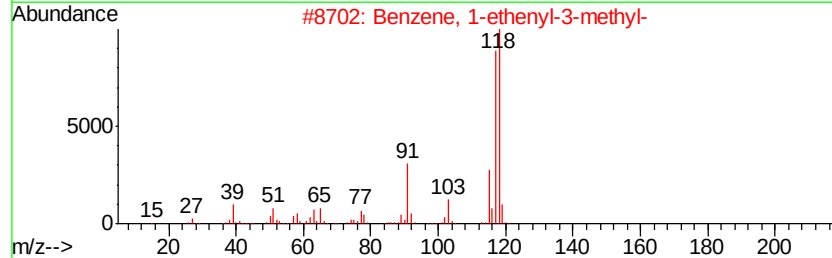
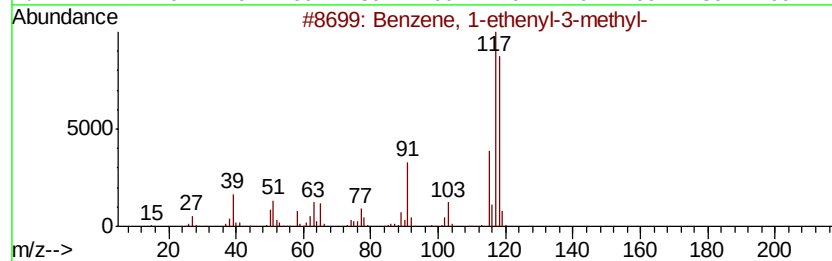
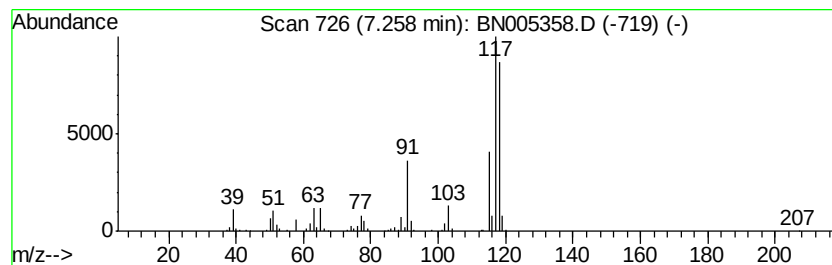
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	8.57 ng/ul	792973	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94



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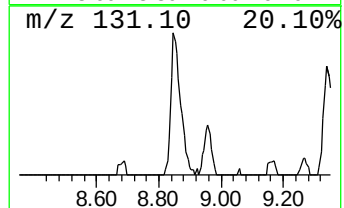
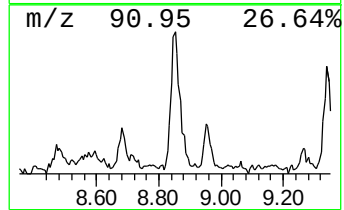
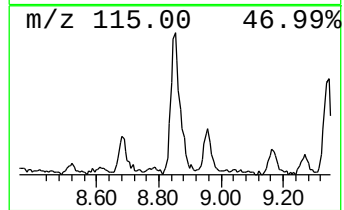
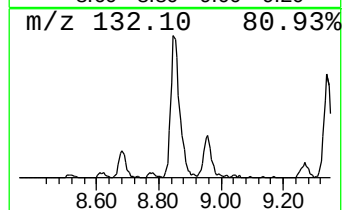
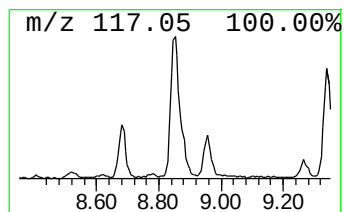
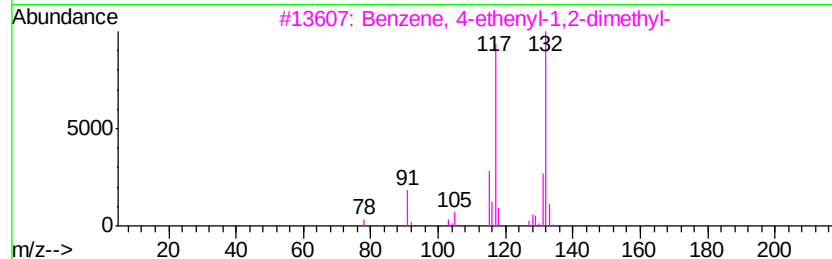
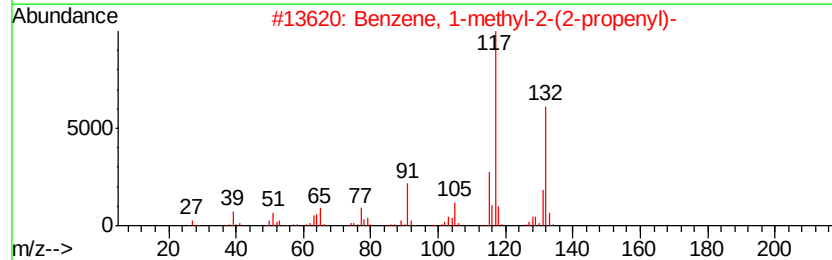
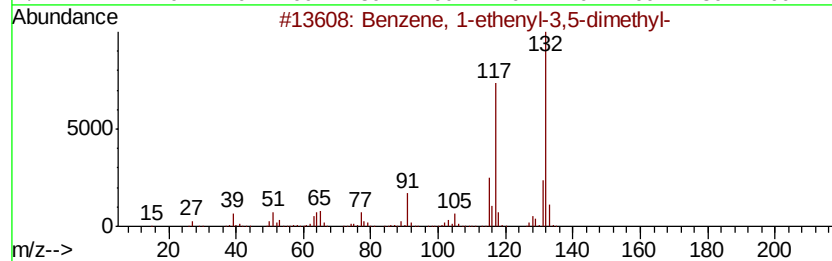
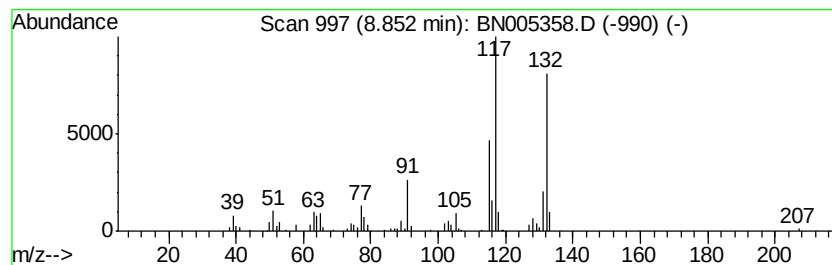
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	4.55 ng/ul	421255	1,4-Dichlorobenzene-d4	7.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
4		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	94
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94



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Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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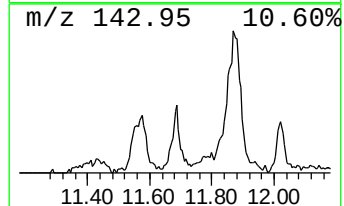
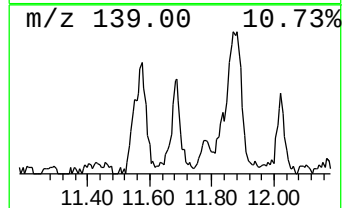
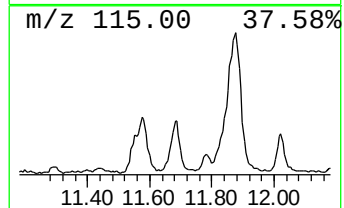
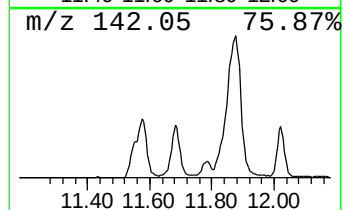
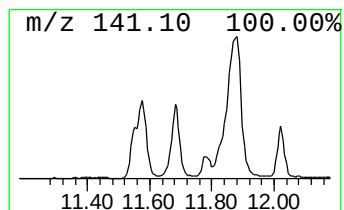
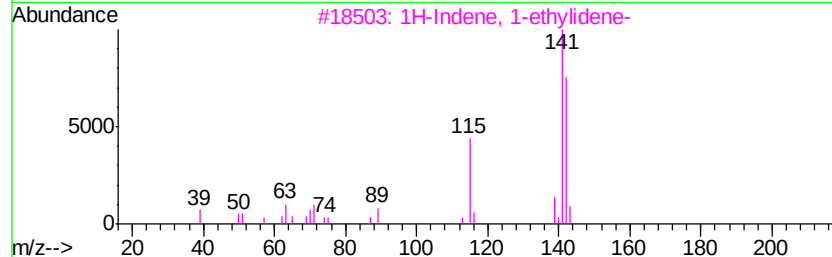
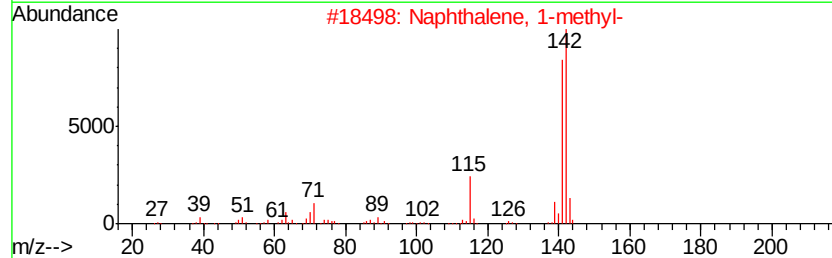
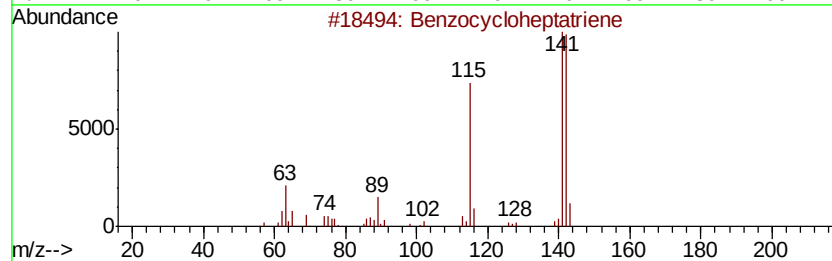
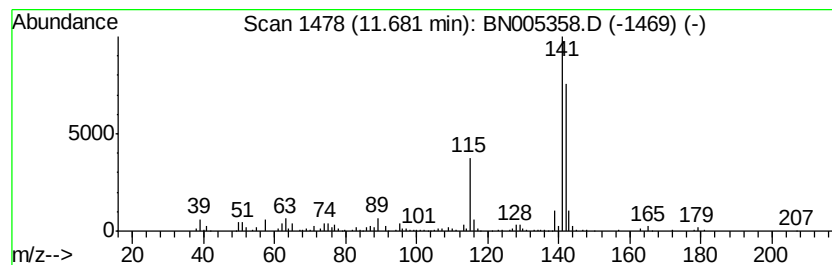
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzocycloheptatriene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	3.41 ng/ul	478253	Naphthalene-d8	10.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzocycloheptatriene	142	C11H10	000264-09-5	94
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91



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Data File : BN005358.D
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Sample : K2456-12DL 5X
Misc :
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Instrument :
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ClientSampleId :
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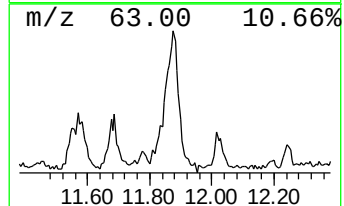
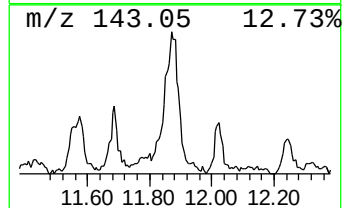
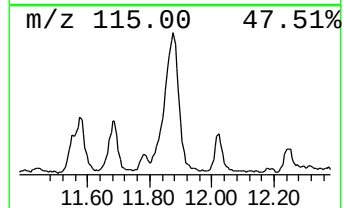
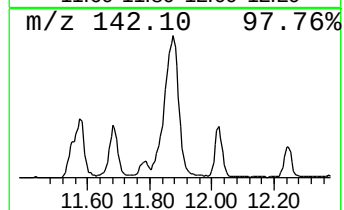
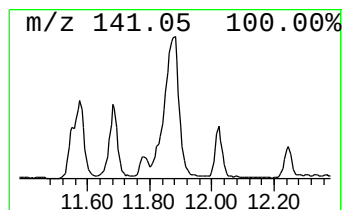
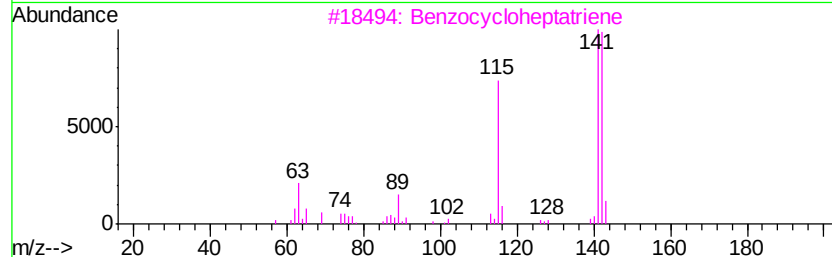
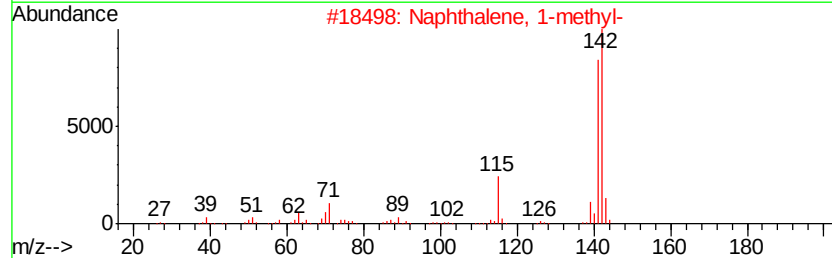
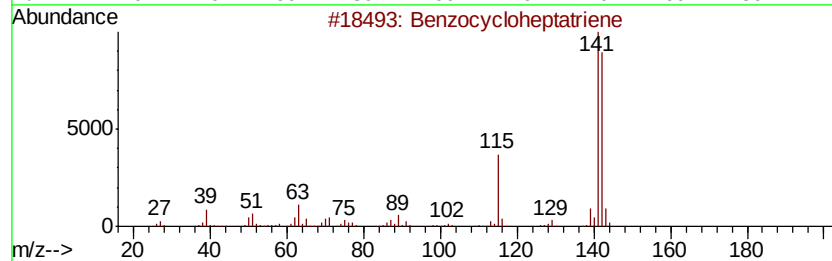
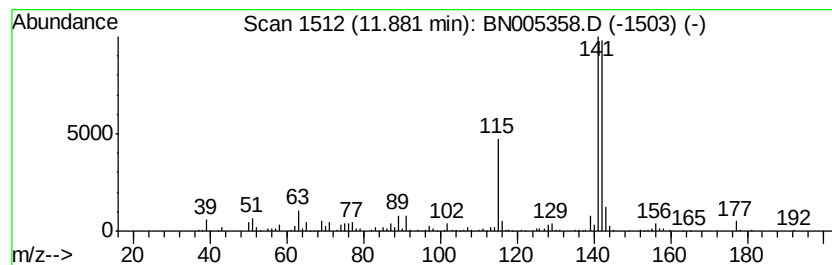
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1H-Indene, 1-ethylidene- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.63 ng/ul	1210860	Naphthalene-d8	10.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzocycloheptatriene	142	C11H10	000264-09-5	94
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		Benzocycloheptatriene	142	C11H10	000264-09-5	90
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	90
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

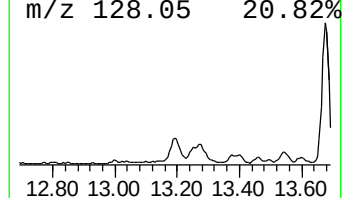
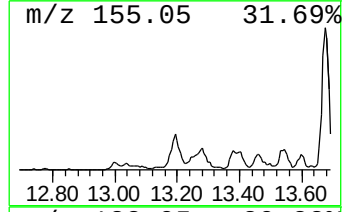
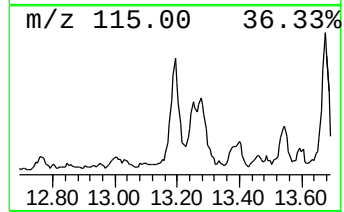
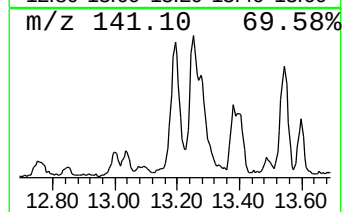
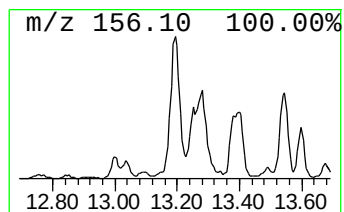
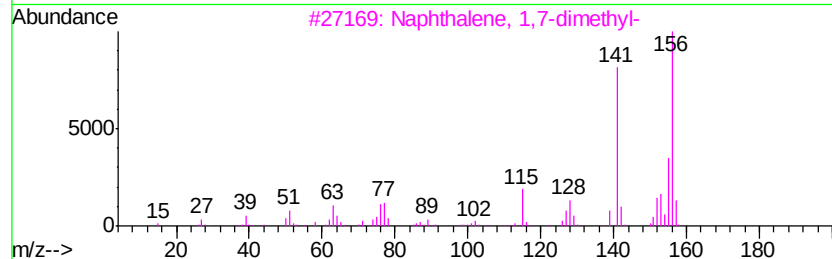
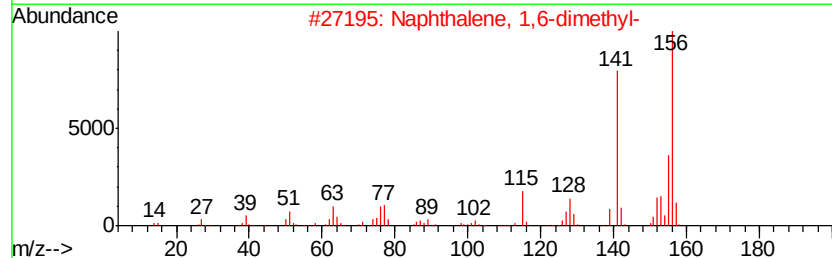
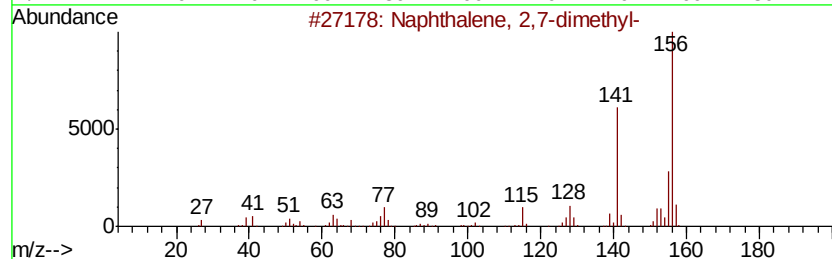
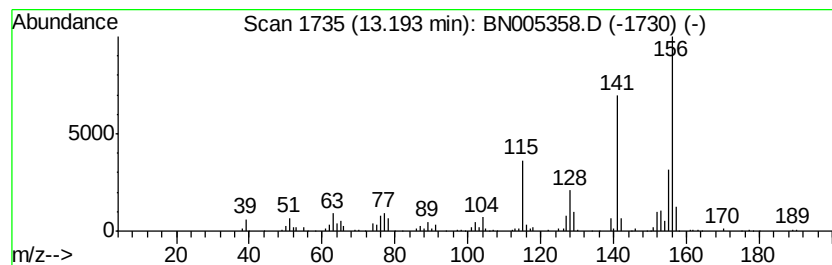
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.04 ng/ul	542681	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 94
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 94
3		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 94
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 94
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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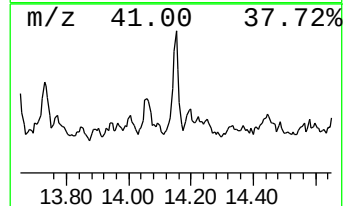
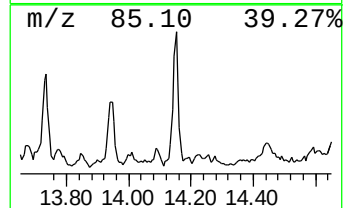
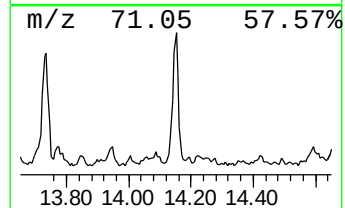
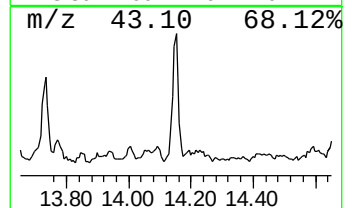
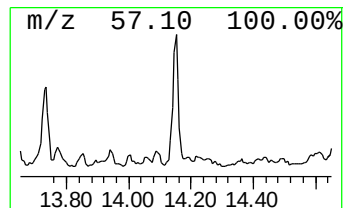
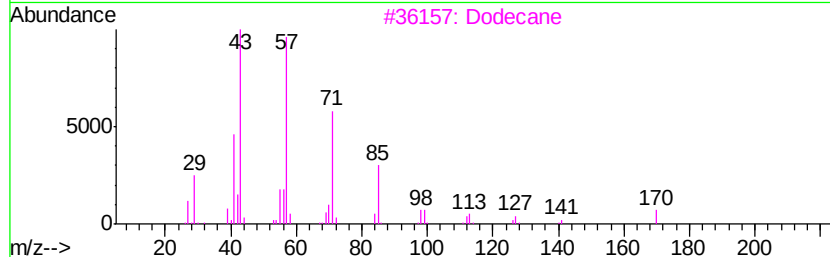
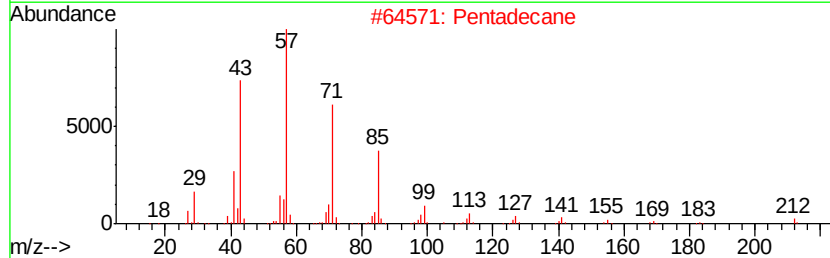
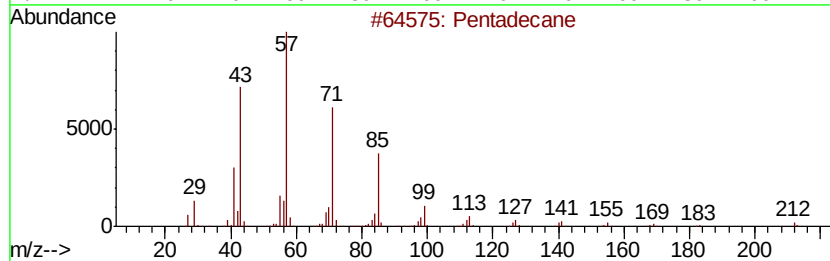
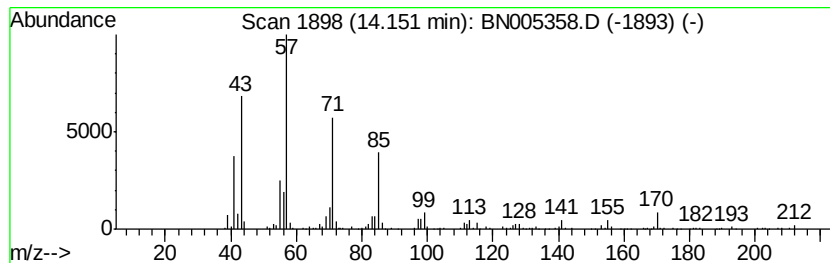
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	2.35 ng/ul	419218	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	94
2		Pentadecane	212	C15H32	000629-62-9	94
3		Dodecane	170	C12H26	000112-40-3	87
4		Dodecane	170	C12H26	000112-40-3	86
5		Tetradecane, 2-methyl-	212	C15H32	001560-95-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

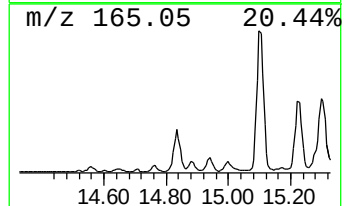
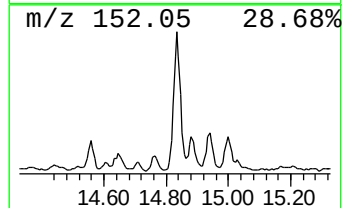
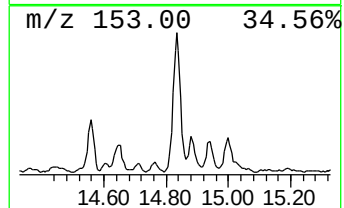
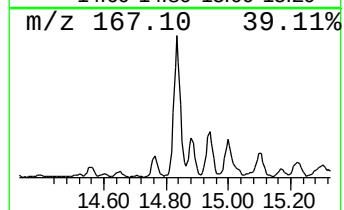
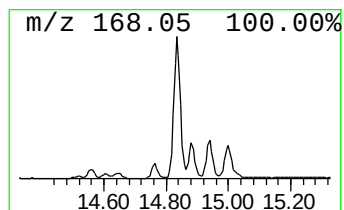
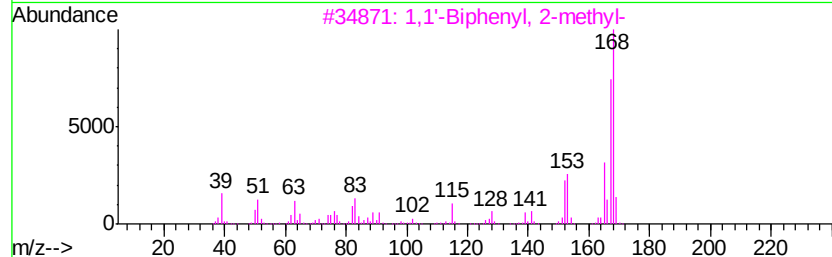
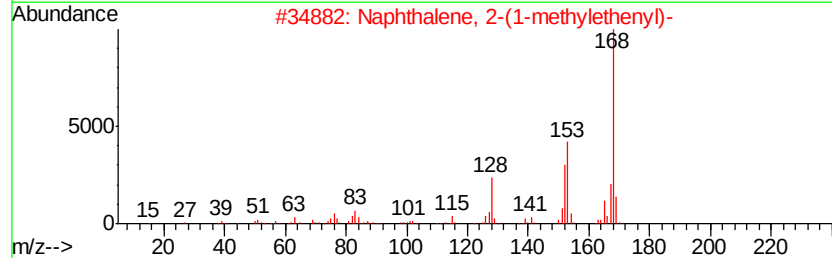
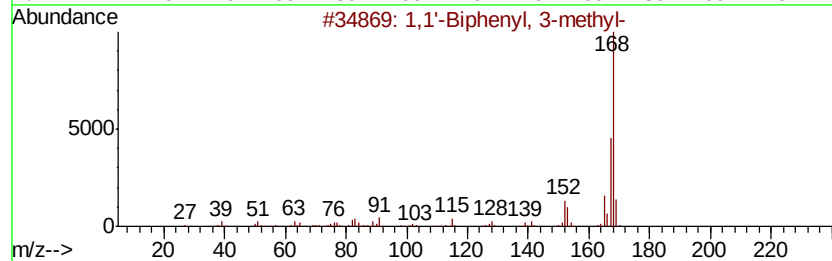
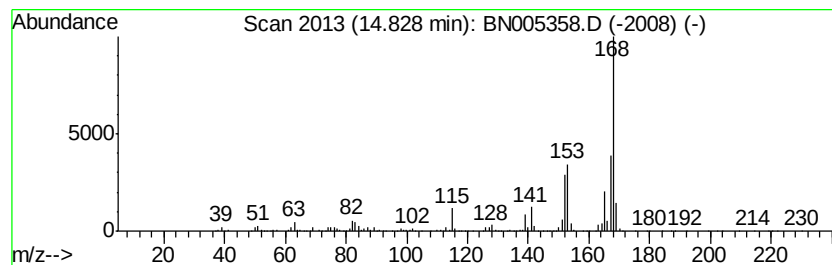
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	13.45 ng/ul	2398450	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 74
2		Naphthalene, 2-(1-methylethenyl)-	168 C13H12	003710-23-4 58
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 58
4		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 52
5		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 52



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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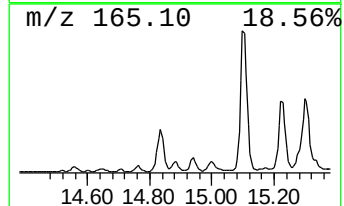
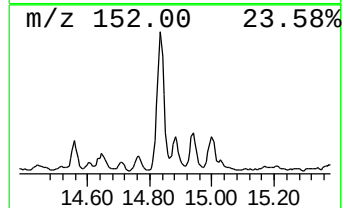
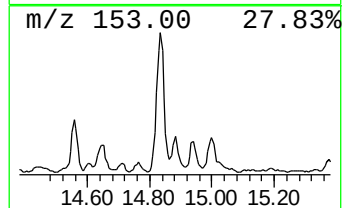
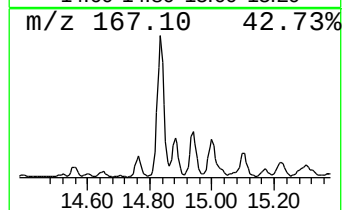
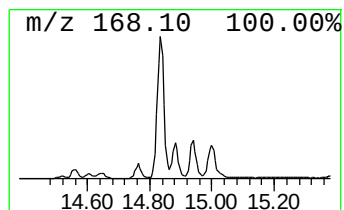
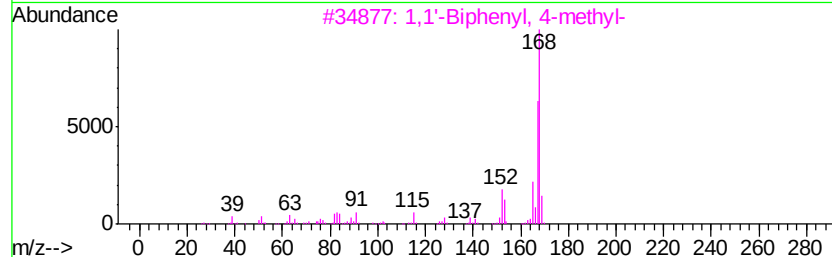
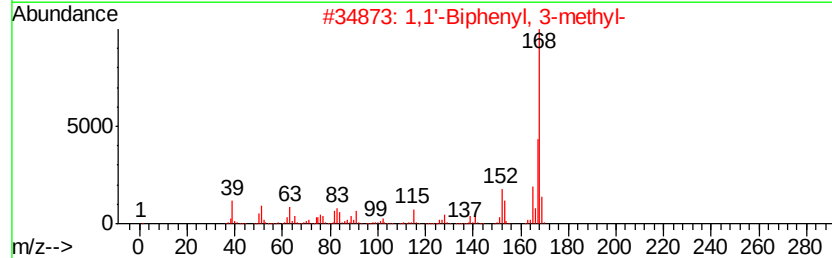
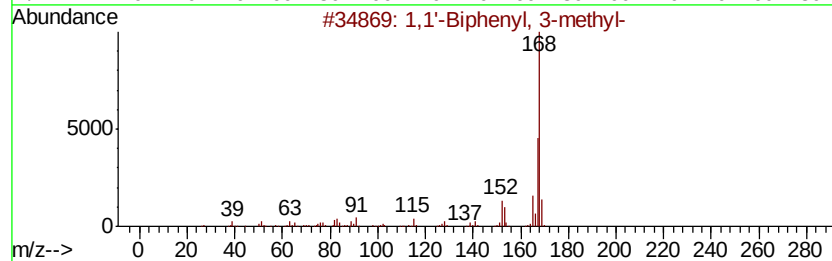
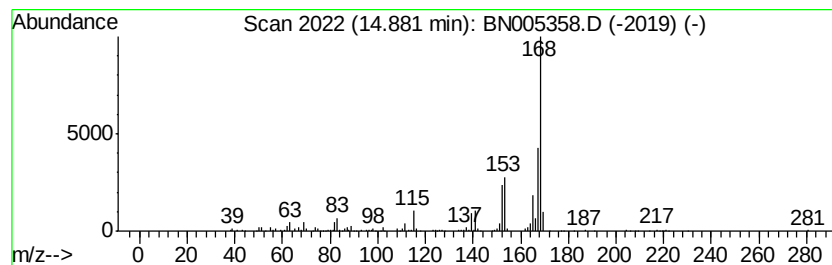
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	3.48 ng/ul	619783	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 90
2		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 59
3		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 59
4		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 58
5		2,4-Dimethoxy-5-pyrimidine carbo...	168 C7H8N2O3	052606-02-7 53



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Acq On : 29 Apr 2019 19:09
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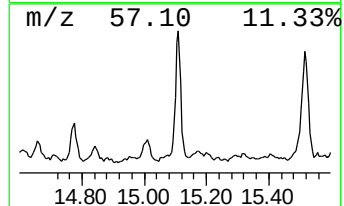
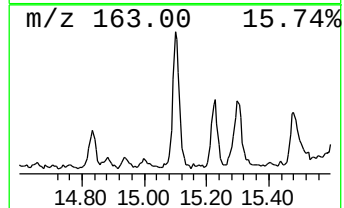
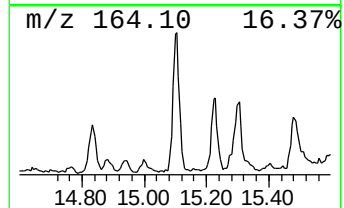
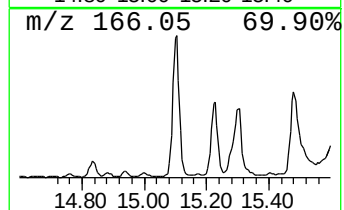
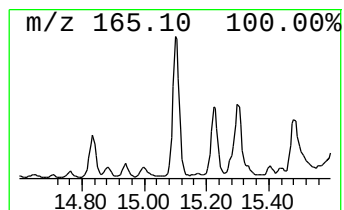
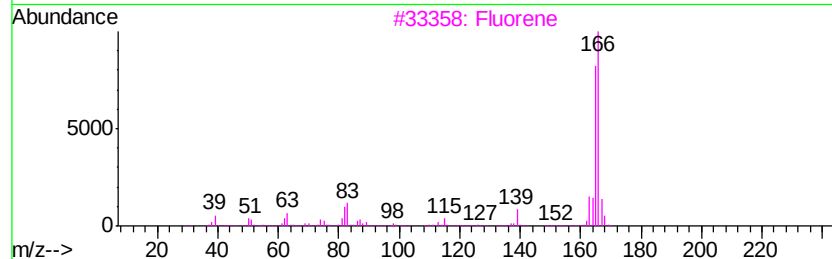
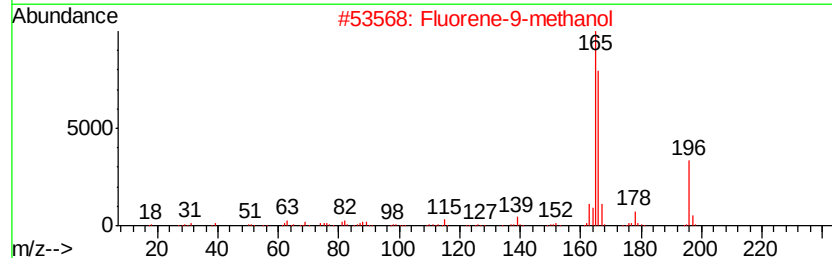
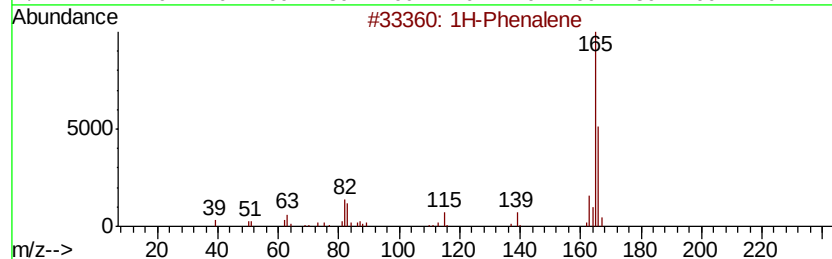
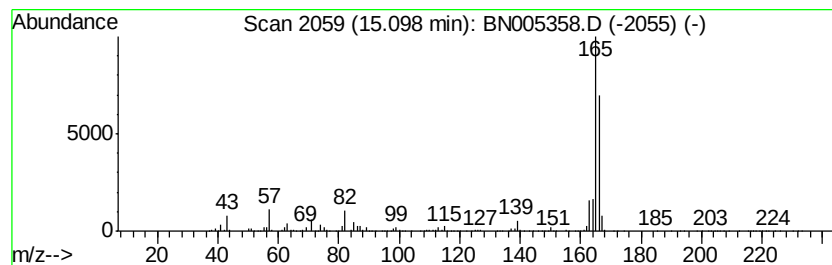
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1H-Phenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	8.21 ng/ul	1464700	Acenaphthene-d10	14.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Phenylene	166	C13H10	000203-80-5	72
2			Fluorene-9-methanol	196	C14H12O	024324-17-2	64
3			Fluorene	166	C13H10	000086-73-7	62
4			Fluorene-9-methanol	196	C14H12O	024324-17-2	56
5			Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

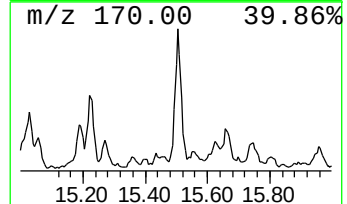
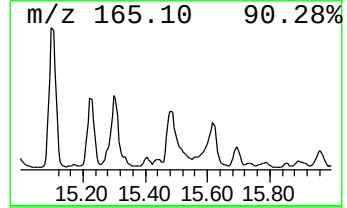
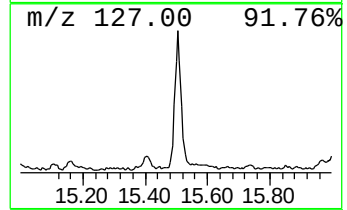
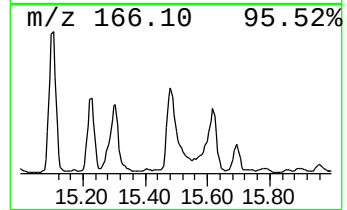
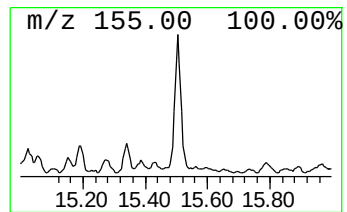
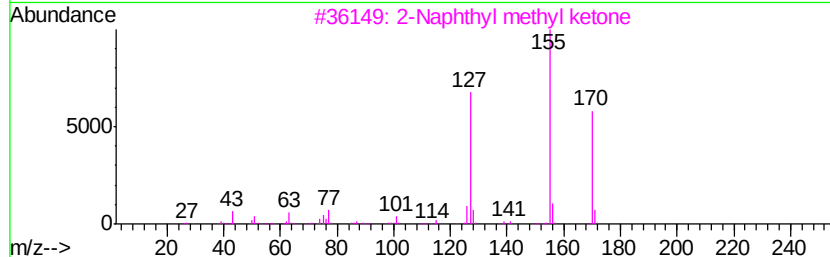
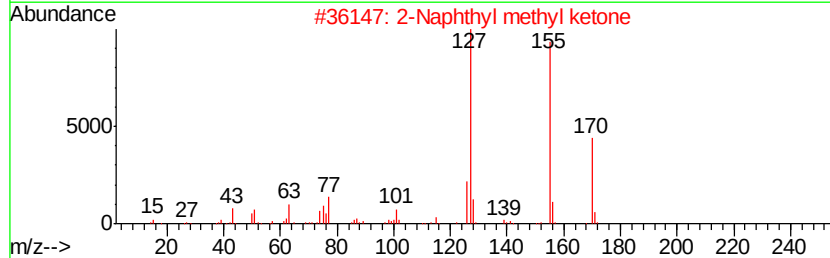
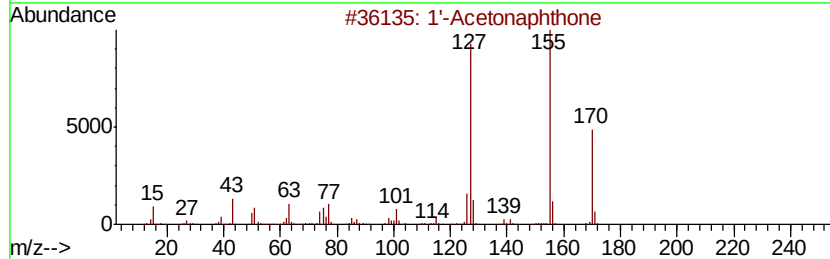
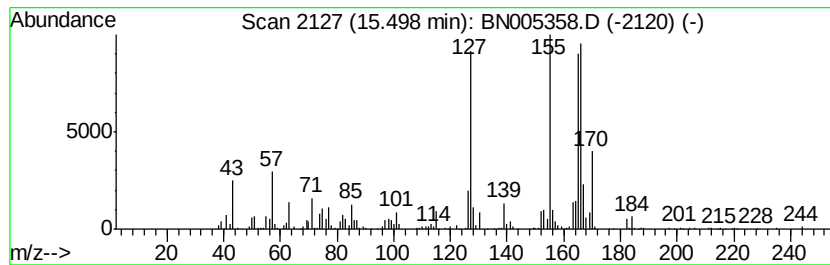
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 1'-Acetonaphthone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	7.99 ng/ul	1424750	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1'-Acetonaphthone	170 C12H10O	000941-98-0 91
2		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 91
3		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 83
4		1'-Acetonaphthone	170 C12H10O	000941-98-0 83
5		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 83



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Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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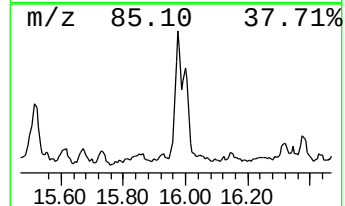
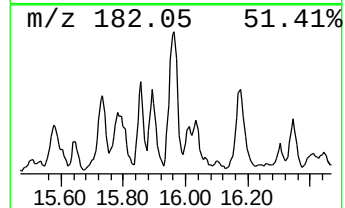
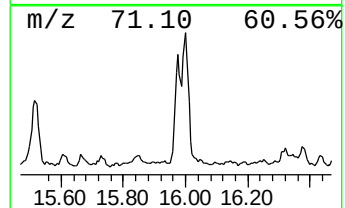
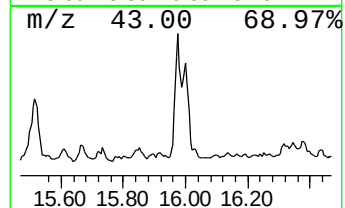
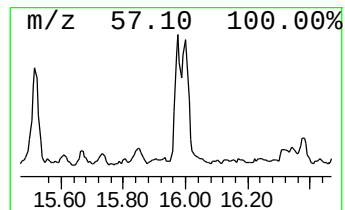
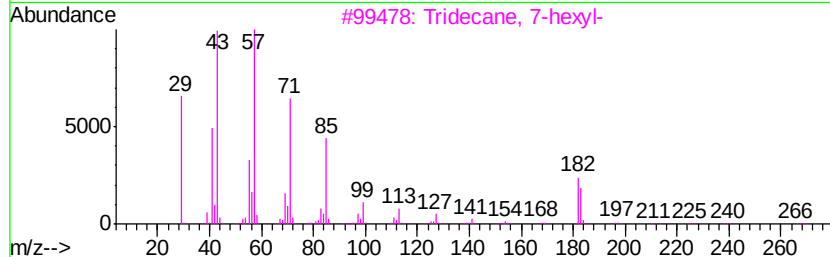
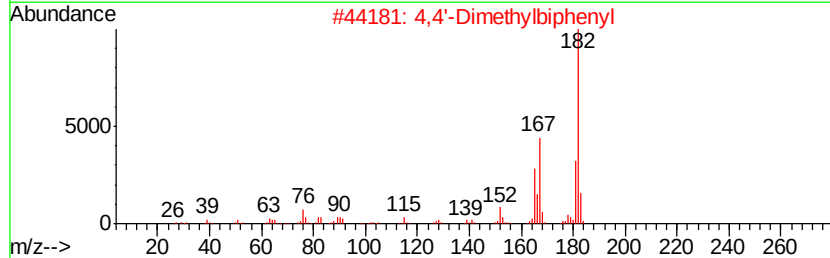
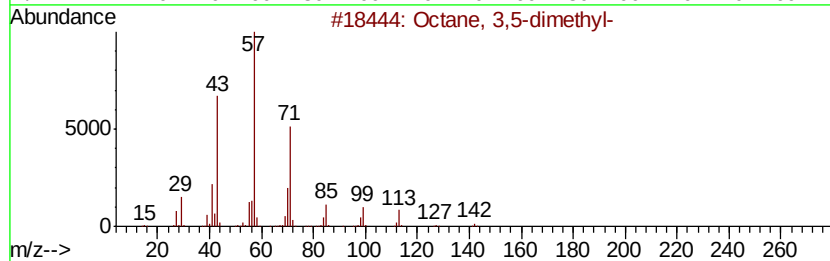
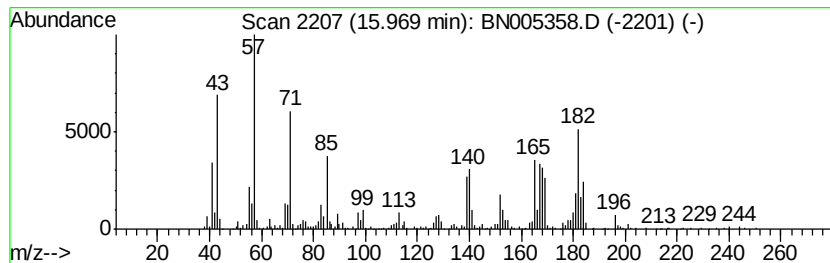
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	5.69 ng/ul	1195770	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	25
2			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	20
3			Tridecane, 7-hexyl-	268	C19H40	007225-66-3	18
4			Nonadecane	268	C19H40	000629-92-5	15
5			Hexadecane	226	C16H34	000544-76-3	15



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Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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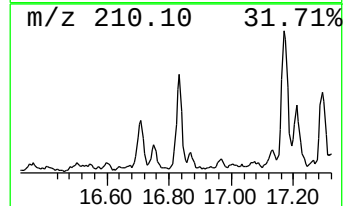
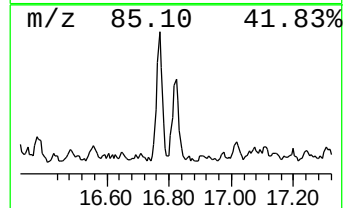
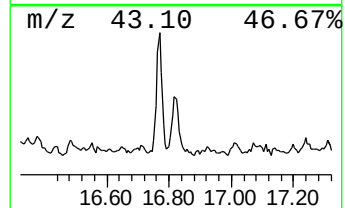
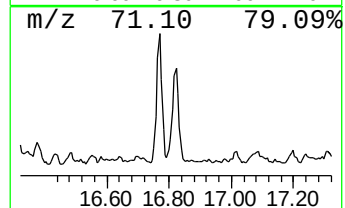
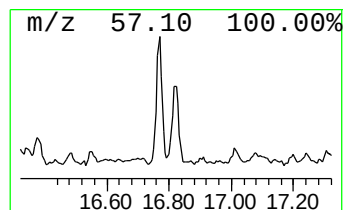
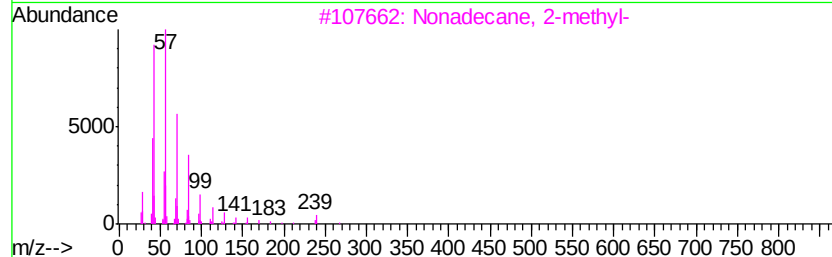
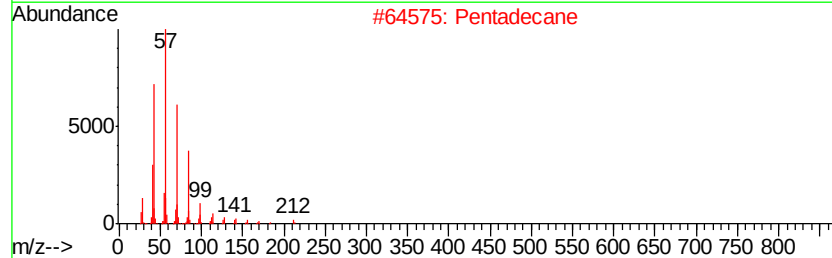
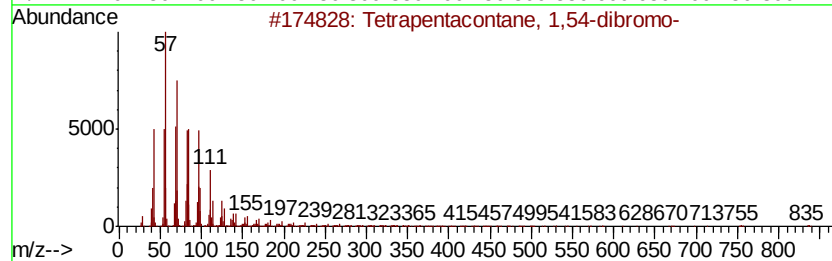
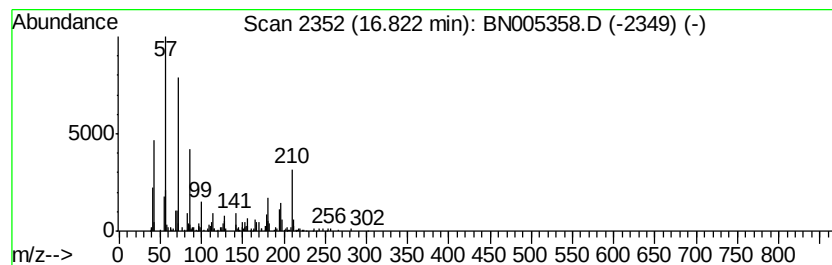
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Tetrapentacontane, 1,54-dib... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.14 ng/ul	449845	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	64
2			Pentadecane	212	C15H32	000629-62-9	62
3			Nonadecane, 2-methyl-	282	C20H42	001560-86-7	59
4			Heneicosane	296	C21H44	000629-94-7	58
5			Octadecane	254	C18H38	000593-45-3	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Instrument :
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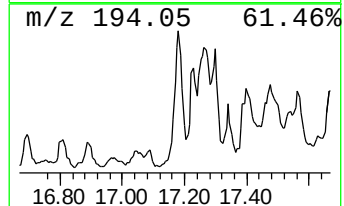
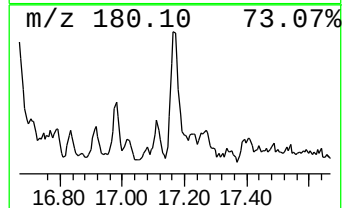
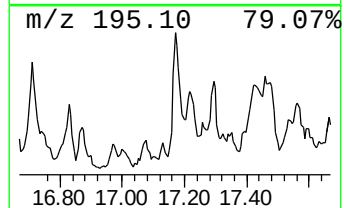
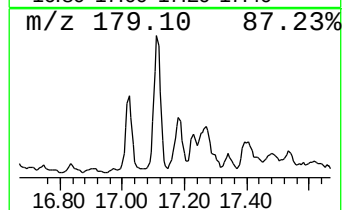
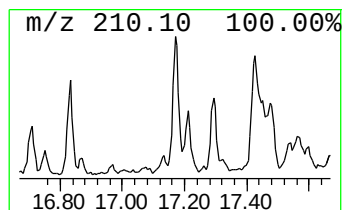
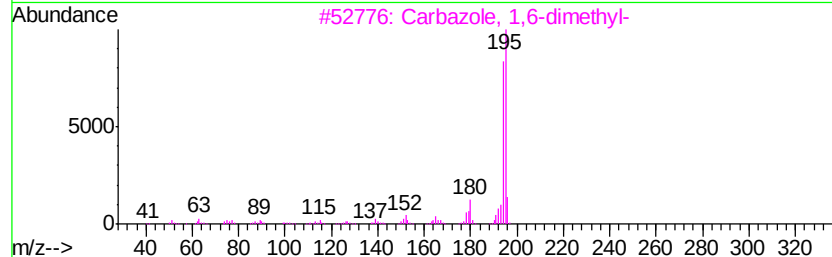
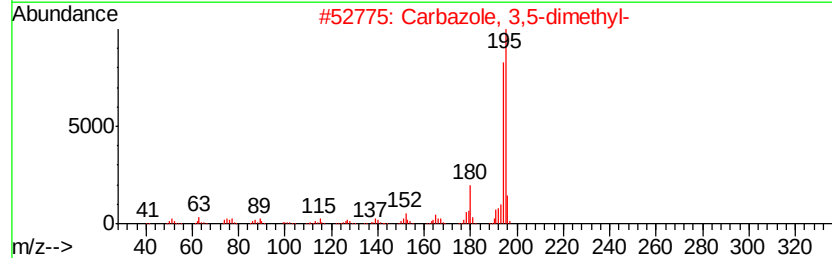
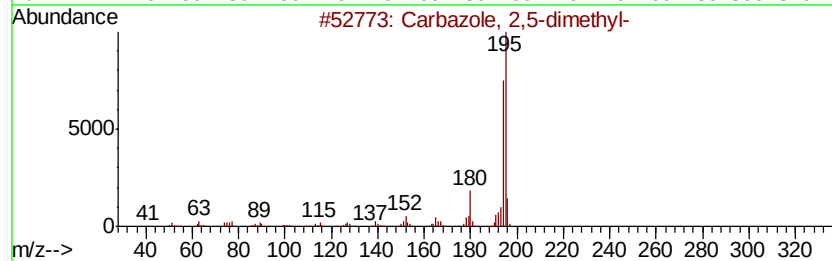
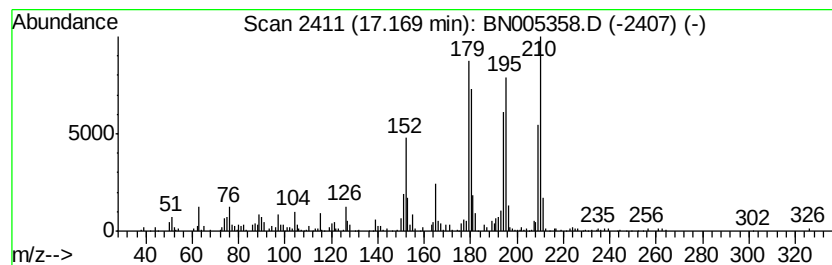
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Carbazole, 2,5-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	3.56 ng/ul	747715	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	60
2			Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	46
3			Carbazole, 1,6-dimethyl-	195	C14H13N	078787-77-6	43
4			Fluorenone oxime	195	C13H9NO	002157-52-0	43
5			9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
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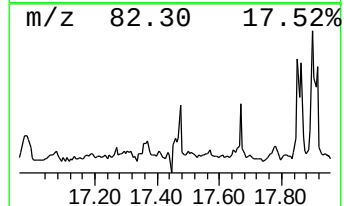
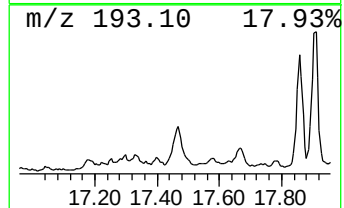
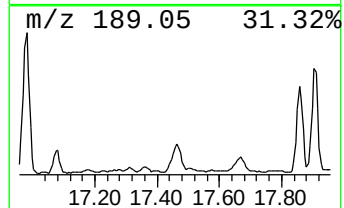
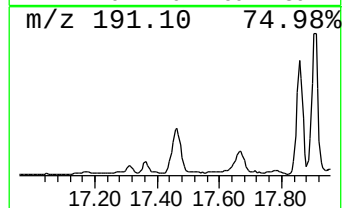
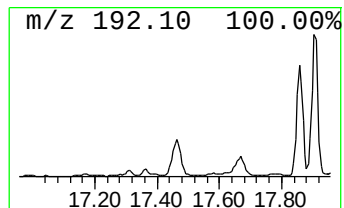
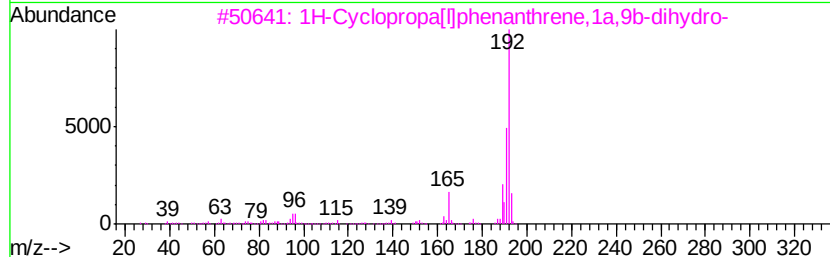
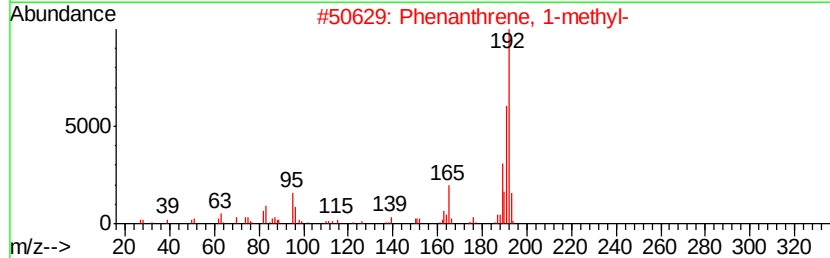
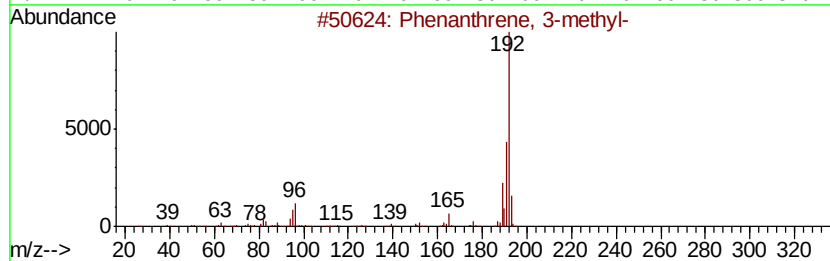
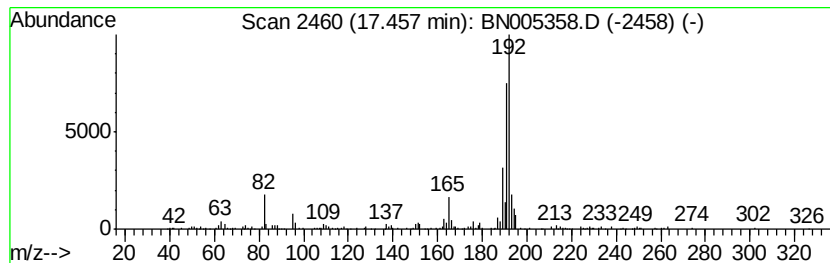
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Phenanthrene, 3-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.46	2.22 ng/ul	466330	Phenanthrene-d10	16.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	80
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	74
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	74



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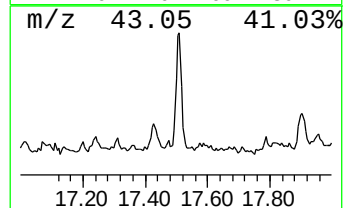
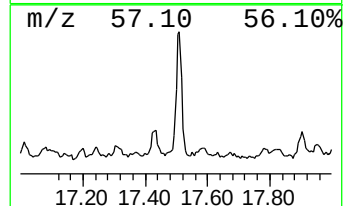
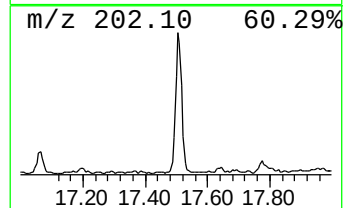
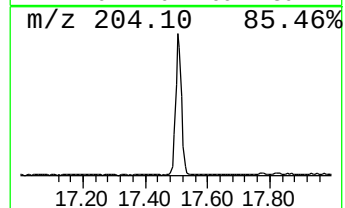
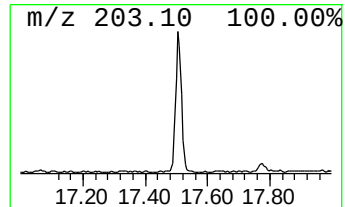
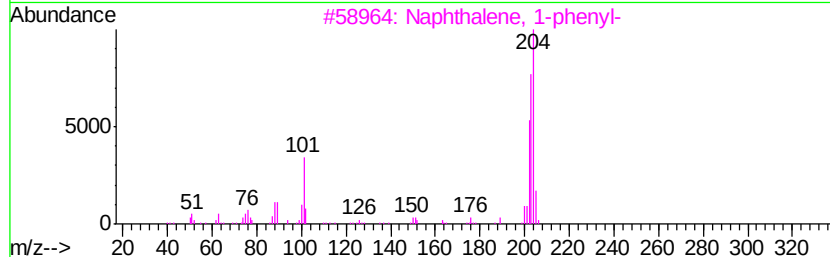
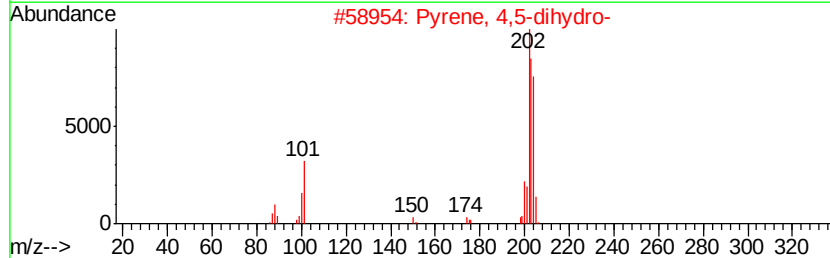
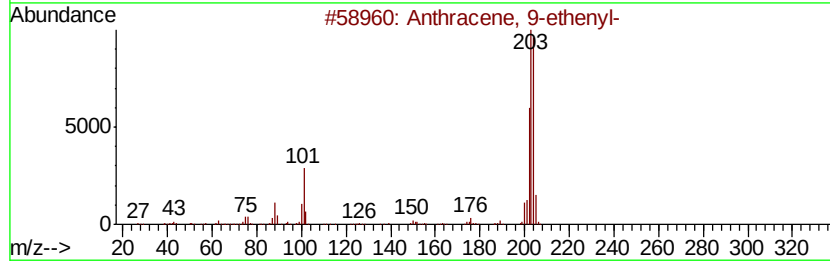
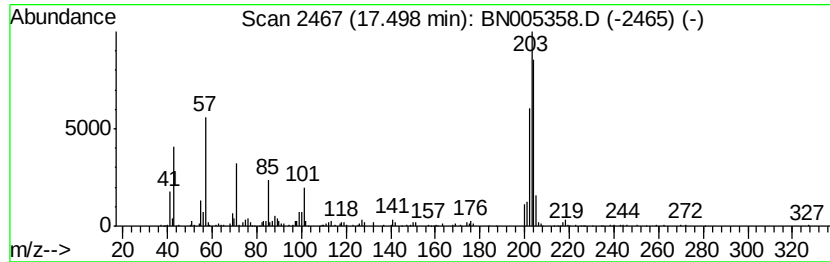
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Anthracene, 9-ethenyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	4.26 ng/ul	895027	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	92
2		Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	64
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	60
5		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005358.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId :
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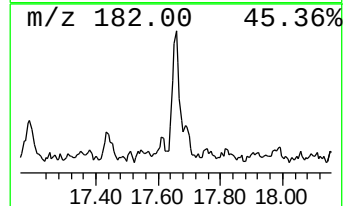
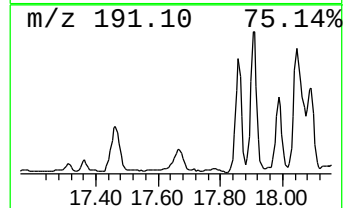
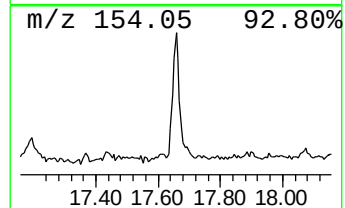
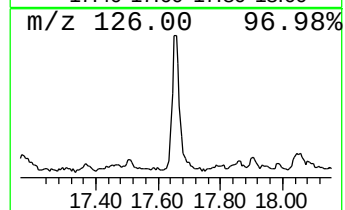
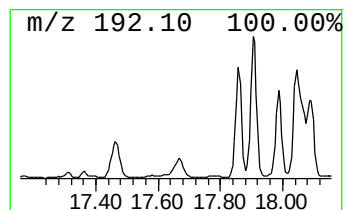
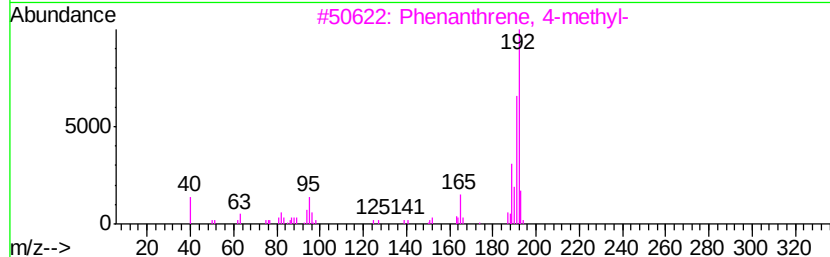
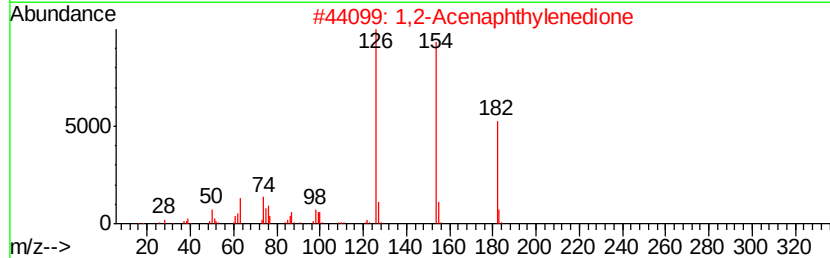
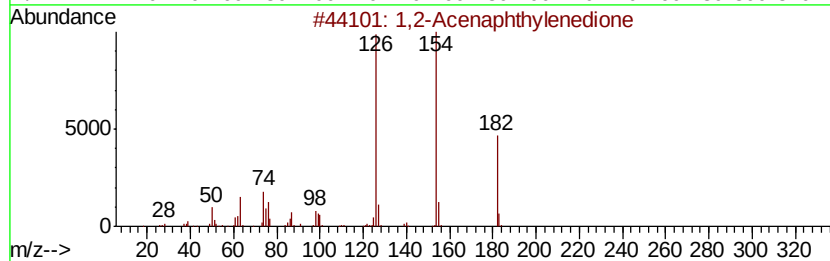
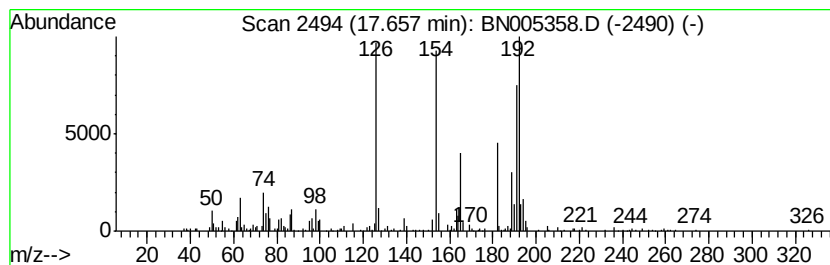
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,2-Acenaphthylenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	5.76 ng/ul	1210000	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	56
2		1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	56
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
4		1H-Cyclopropa[1,2-b]phenanthrene, 1a,...	192	C15H12	000949-41-7	55
5		Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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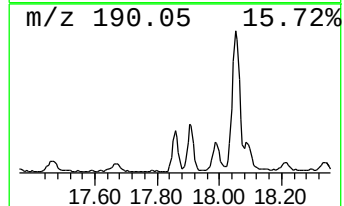
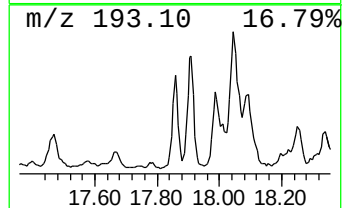
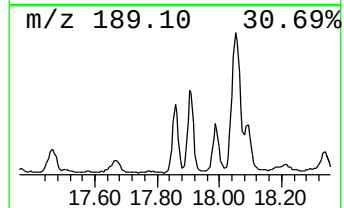
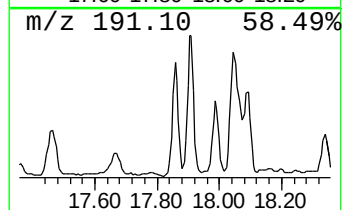
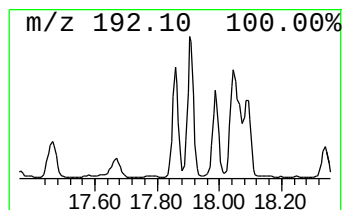
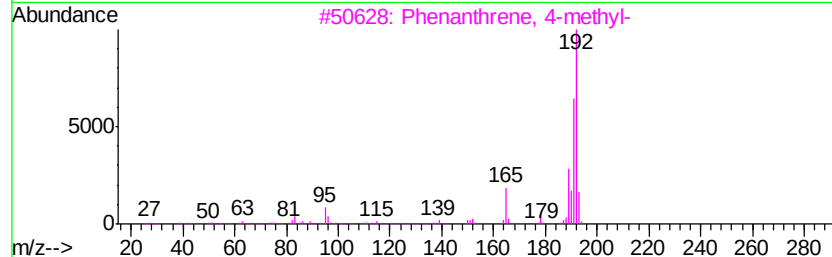
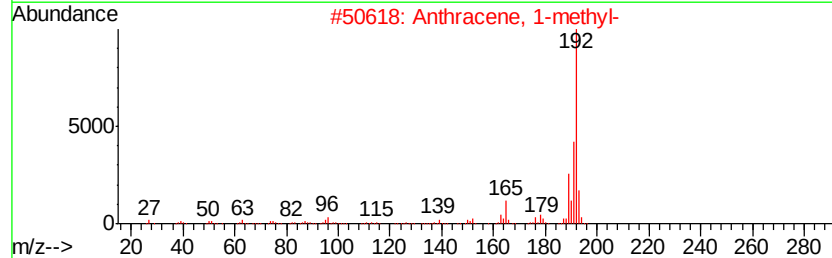
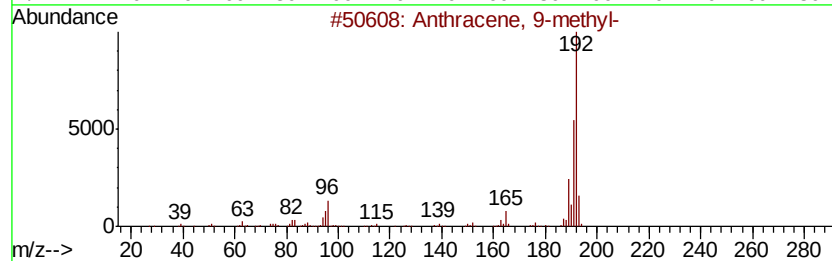
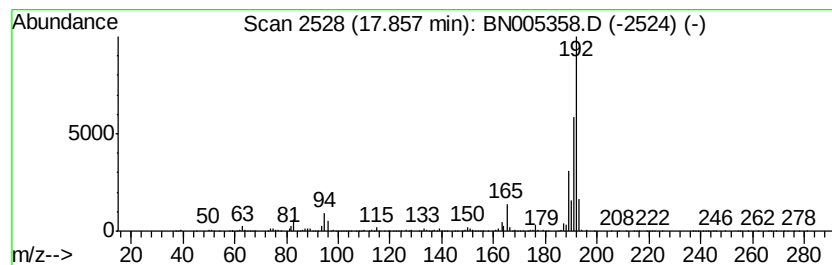
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	6.91 ng/ul	1451270	Phenanthrene-d10	16.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHQ0DL

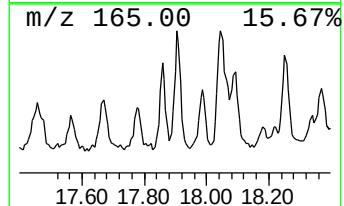
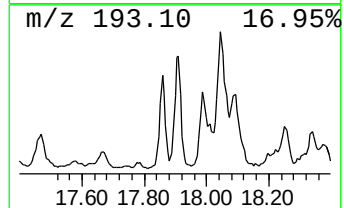
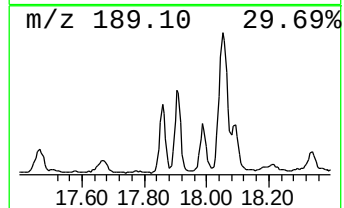
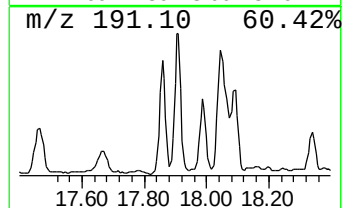
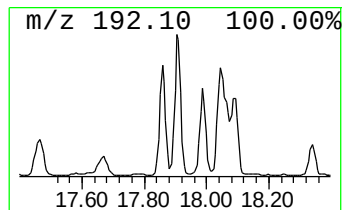
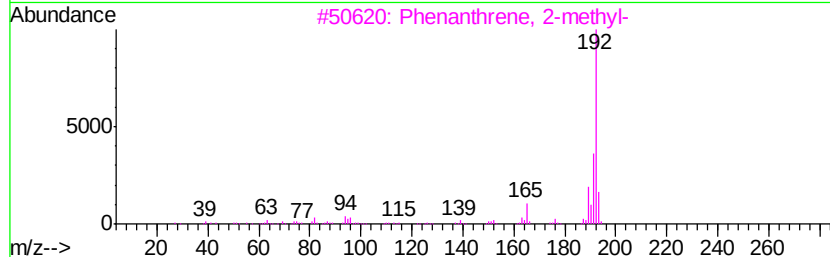
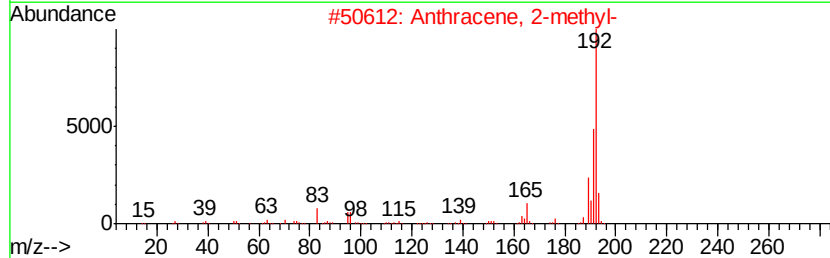
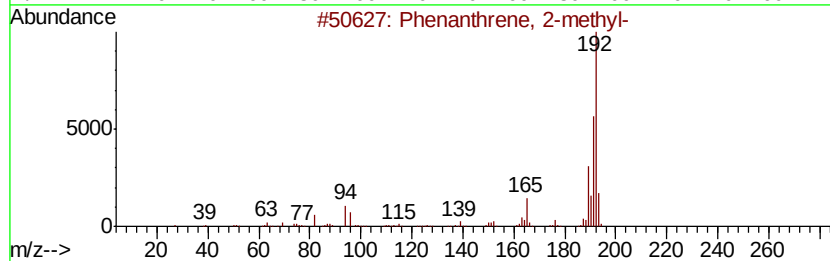
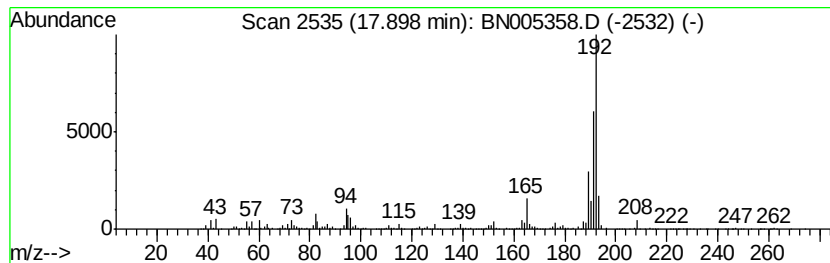
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	10.36 ng/ul	2175990	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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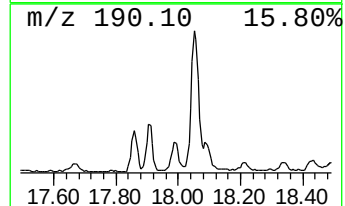
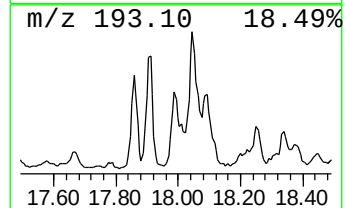
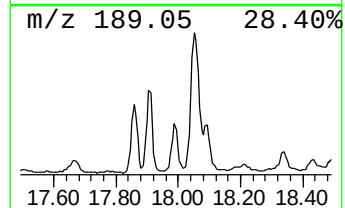
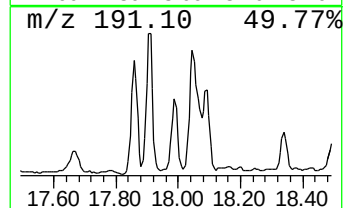
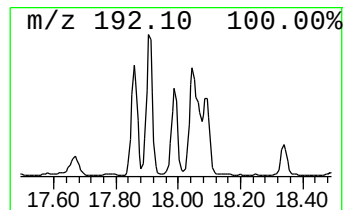
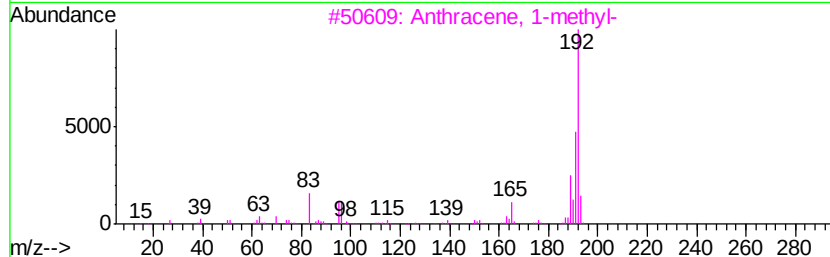
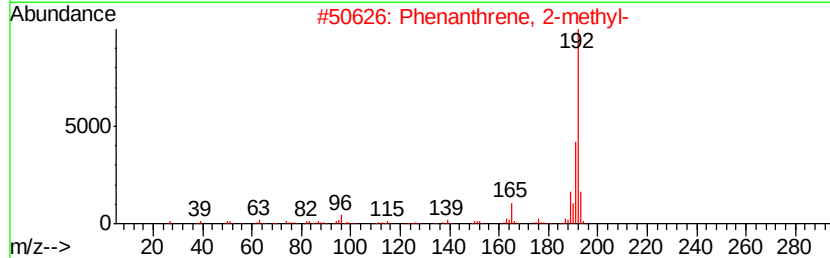
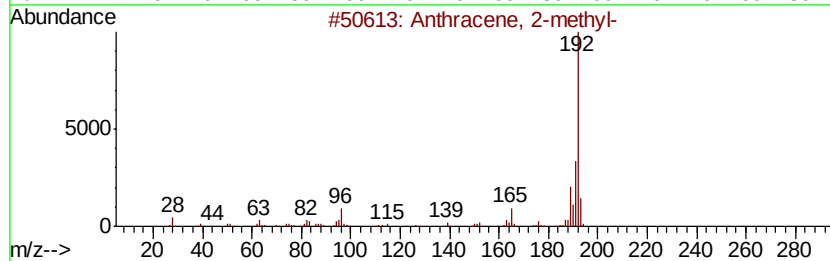
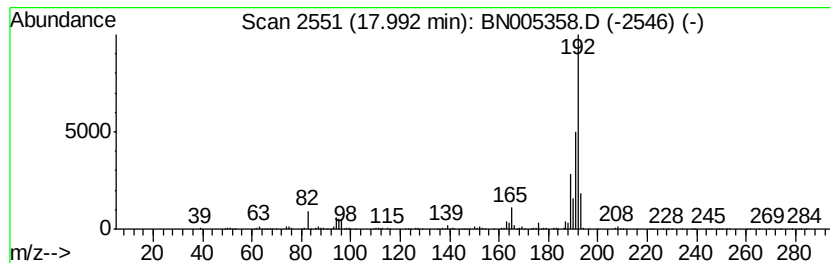
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Anthracene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.77 ng/ul	1002420	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Sample : K2456-12DL 5X
Misc :
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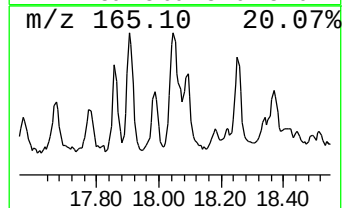
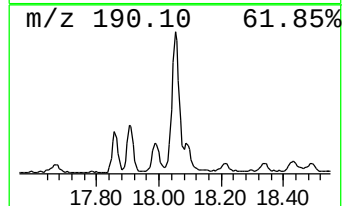
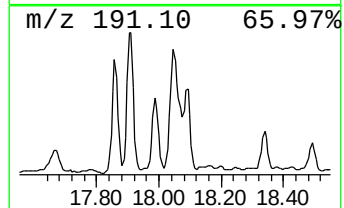
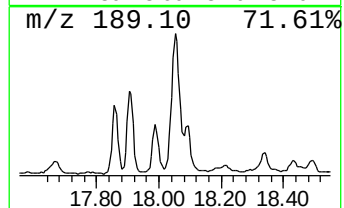
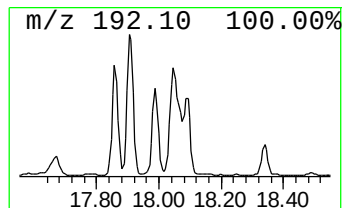
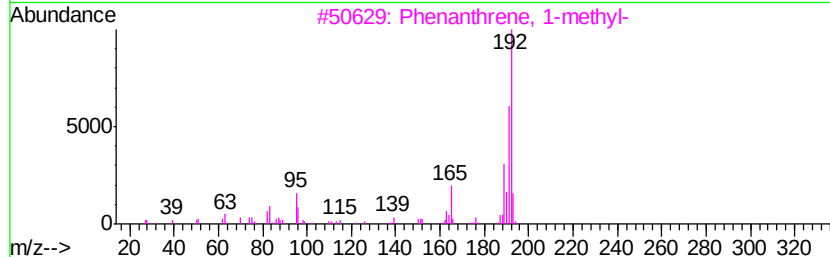
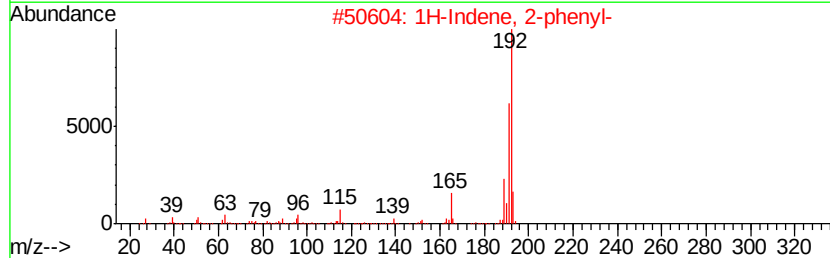
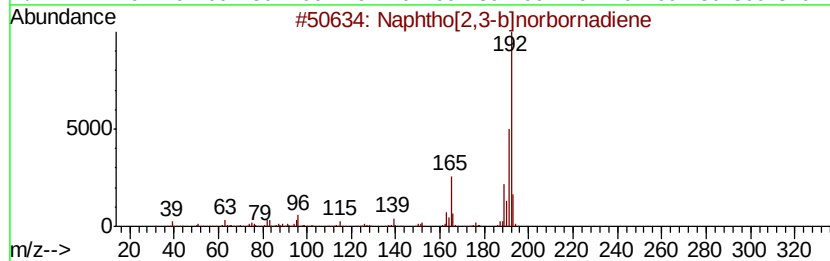
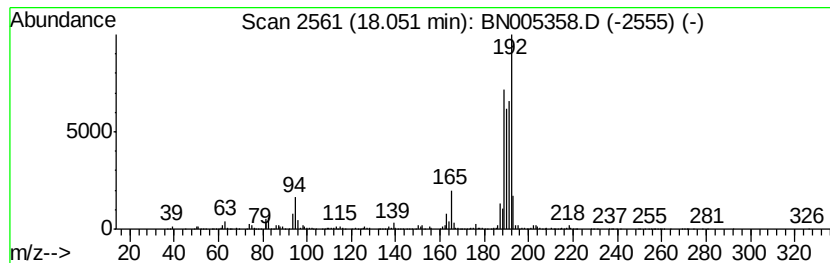
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.05	16.32 ng/ul	3428020	Phenanthrene-d10	16.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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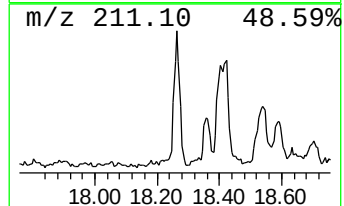
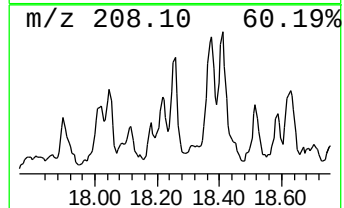
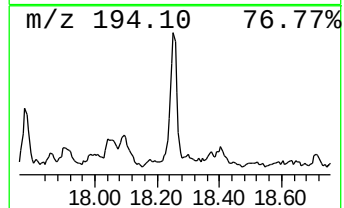
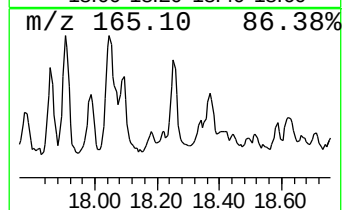
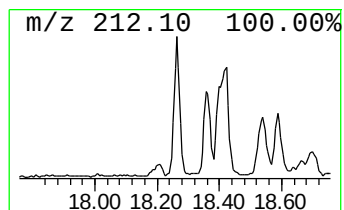
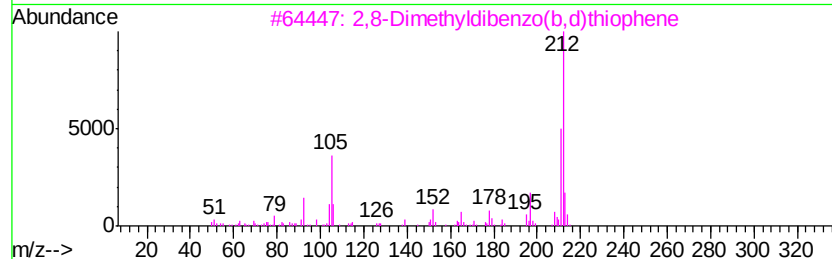
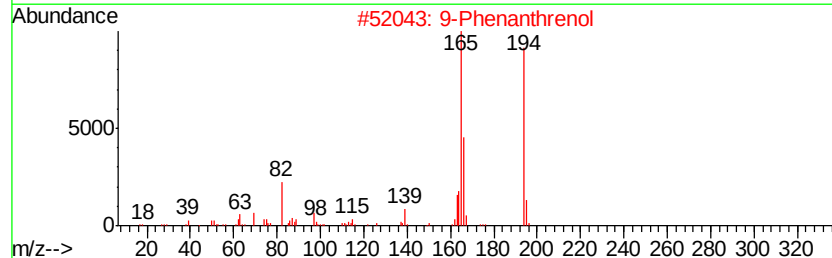
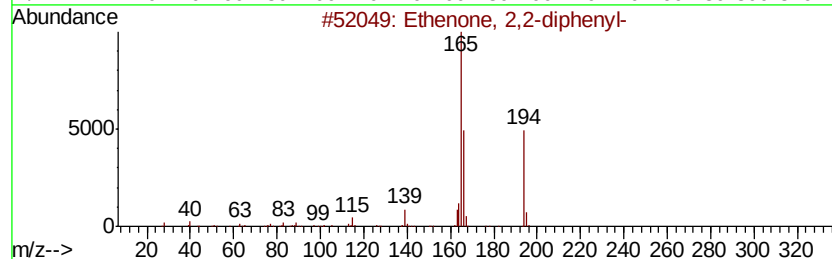
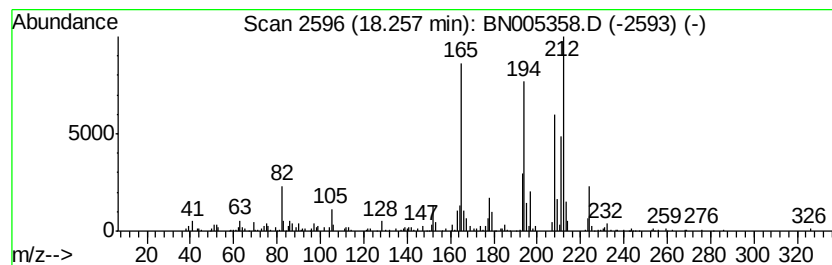
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.20 ng/ul	462042	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethenone, 2,2-diphenyl-	194	C14H10O	000525-06-4	42
2		9-Phenanthrenol	194	C14H10O	000484-17-3	42
3		2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	30
4		Anthrone	194	C14H10O	000090-44-8	27
5		1(3H)-Isobenzofuranone, 6,7-dime...	194	C10H10O4	000569-31-3	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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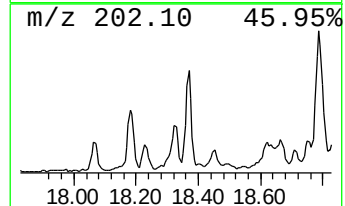
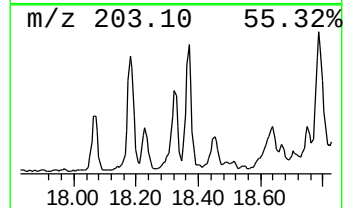
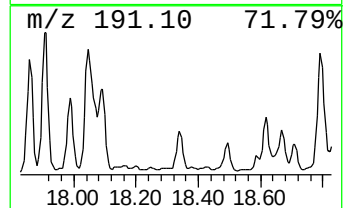
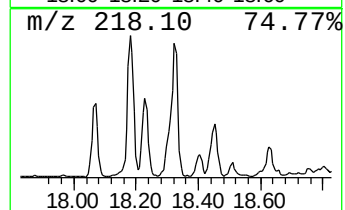
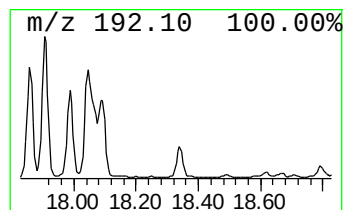
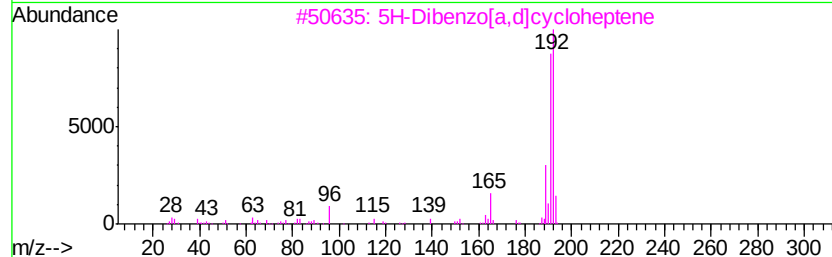
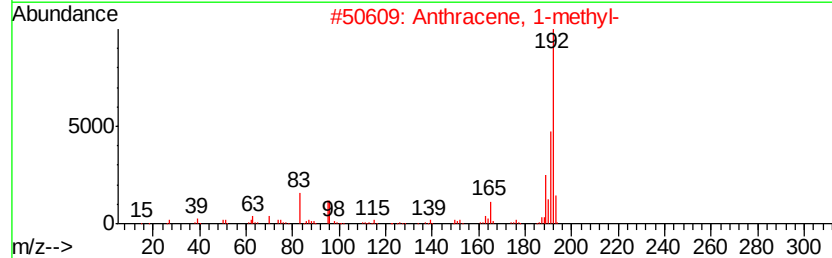
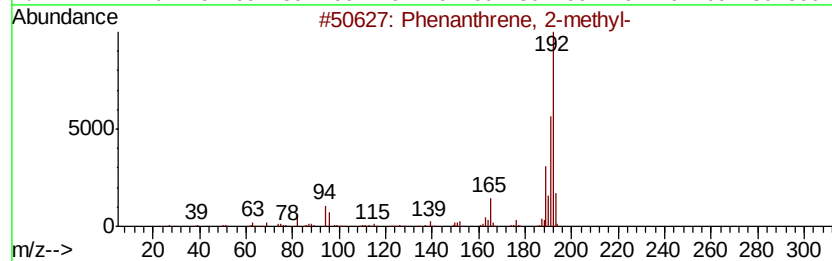
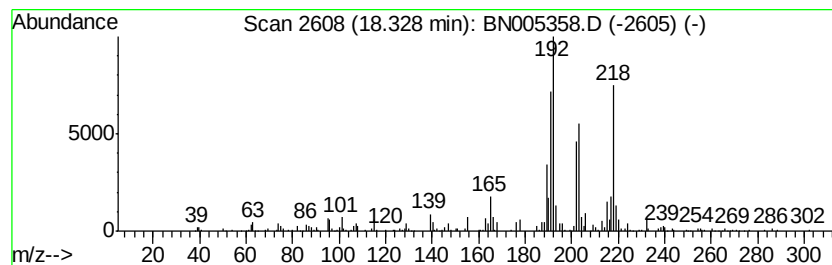
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Anthracene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.52 ng/ul	739914	Phenanthrene-d10	16.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	76
4		1H-Cyclopropa[all]phenanthrene, 1a,...	192	C15H12	000949-41-7	76
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

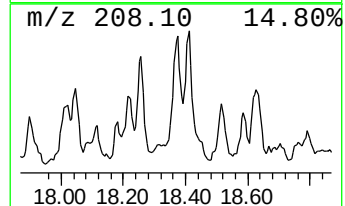
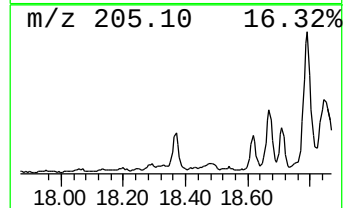
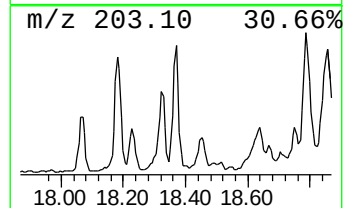
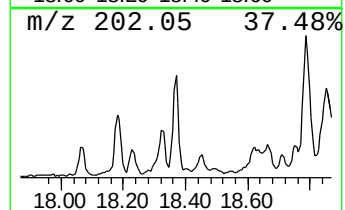
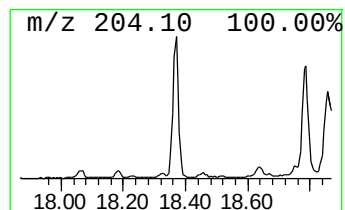
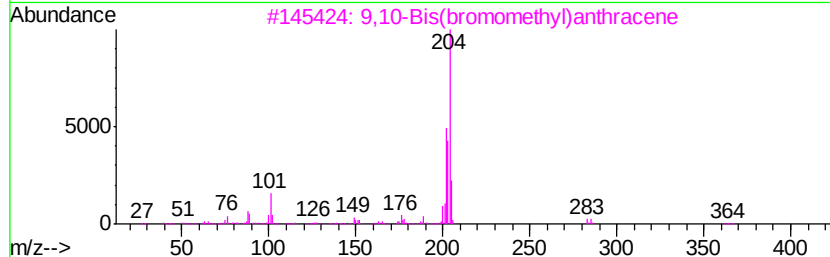
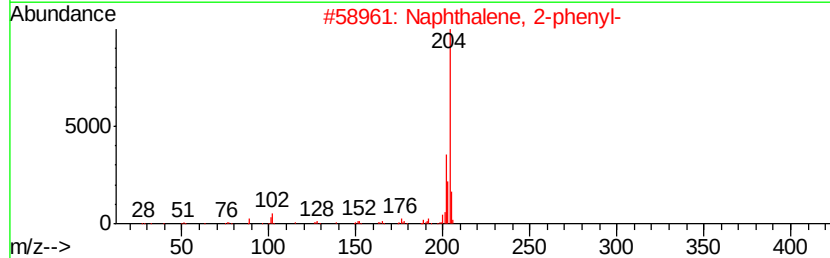
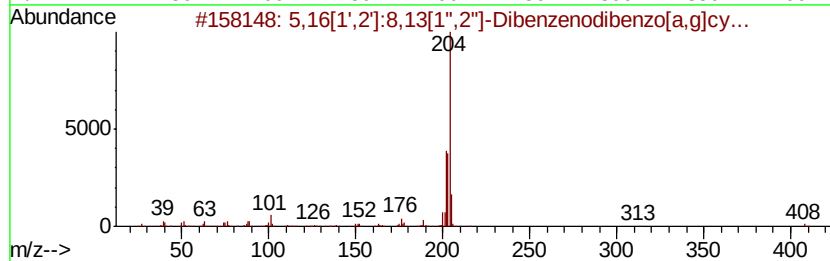
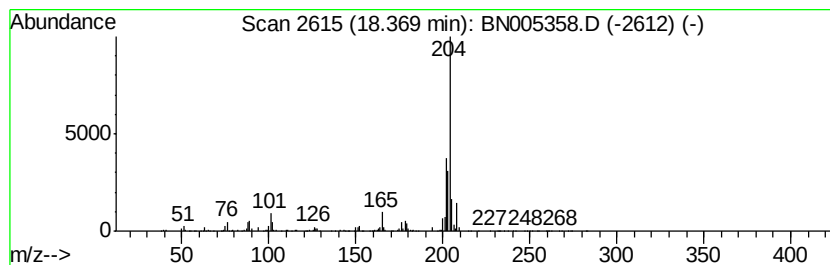
Instrument :
BNA_N
ClientSampleId :
GAHQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.37	3.74 ng/ul	785062	Phenanthrene-d10	16.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76	
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72	
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70	
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70	



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005358.D
Acq On : 29 Apr 2019 19:09
Operator : JU/SJ
Sample : K2456-12DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

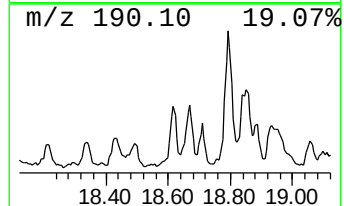
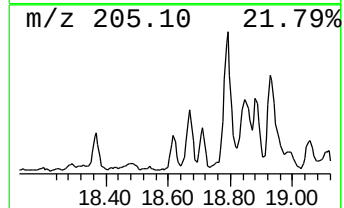
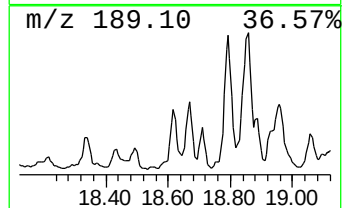
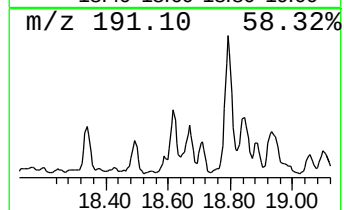
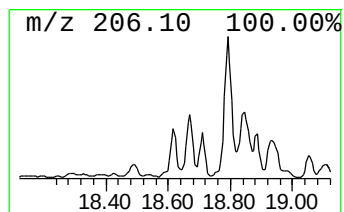
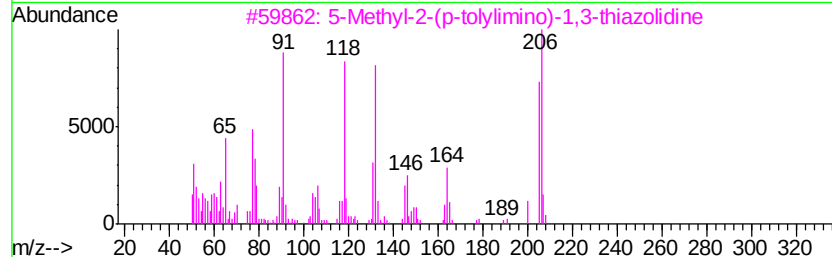
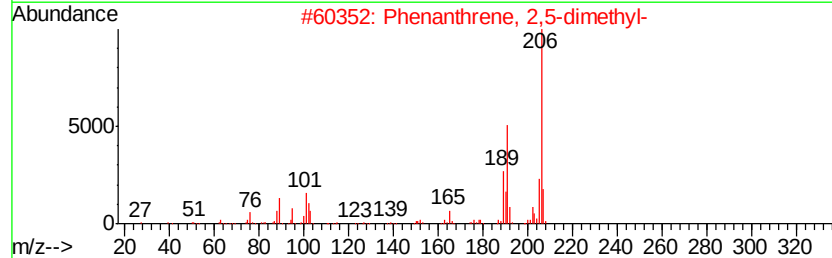
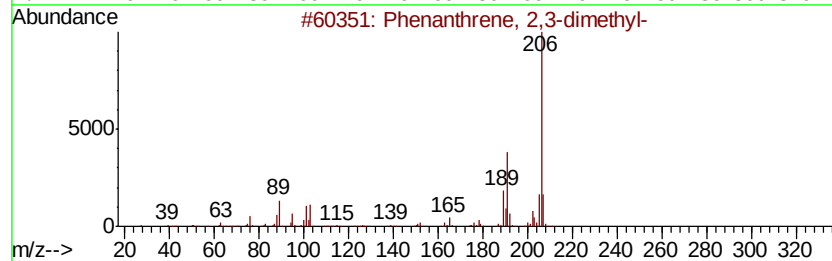
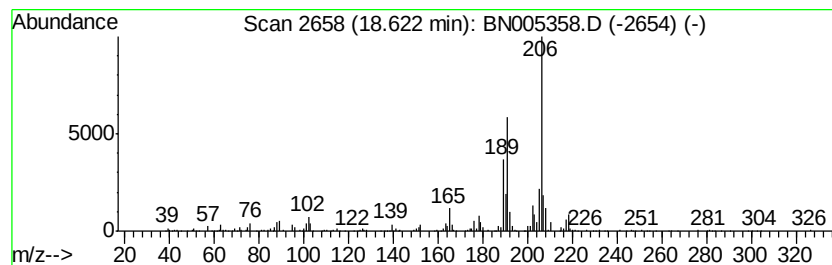
Instrument :
BNA_N
ClientSampleId :
GAHQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 Phenanthrene, 2,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.62	3.34 ng/ul	701861	Phenanthrene-d10	16.98		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	90
4		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
 Data File : BN005358.D
 Acq On : 29 Apr 2019 19:09
 Operator : JU/SJ
 Sample : K2456-12DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.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
Bicyclo[4.2.0]oct...	5.63	4.8	ng/ul	447757	1	7.59	1850200	20.0
Benzene, 1-etheny...	7.26	8.6	ng/ul	792973	1	7.59	1850200	20.0
Benzene, 1-etheny...	8.85	4.5	ng/ul	421255	1	7.59	1850200	20.0
Benzocycloheptatr...	11.68	3.4	ng/ul	478253	2	10.35	2805550	20.0
1H-Indene, 1-ethy...	11.88	8.6	ng/ul	1210860	2	10.35	2805550	20.0
Naphthalene, 2,7-...	13.19	3.0	ng/ul	542681	3	14.23	3566230	20.0
(DEL) Alkane: Str...	14.15	2.4	ng/ul	419218	3	14.23	3566230	20.0
1,1'-Biphenyl, 3-...	14.83	13.4	ng/ul	2398450	3	14.23	3566230	20.0
1,1'-Biphenyl, 4-...	14.88	3.5	ng/ul	619783	3	14.23	3566230	20.0
1H-Phenalene	15.10	8.2	ng/ul	1464700	3	14.23	3566230	20.0
1'-Acetonaphthone	15.50	8.0	ng/ul	1424750	3	14.23	3566230	20.0
(DEL) Alkane: Str...	15.97	5.7	ng/ul	1195770	4	16.98	4201660	20.0
Tetrapentacontane...	16.82	2.1	ng/ul	449845	4	16.98	4201660	20.0
Carbazole, 2,5-di...	17.17	3.6	ng/ul	747715	4	16.98	4201660	20.0
Phenanthrene, 3-m...	17.46	2.2	ng/ul	466330	4	16.98	4201660	20.0
Anthracene, 9-eth...	17.50	4.3	ng/ul	895027	4	16.98	4201660	20.0
1,2-Acenaphthylen...	17.66	5.8	ng/ul	1210000	4	16.98	4201660	20.0
Anthracene, 9-met...	17.86	6.9	ng/ul	1451270	4	16.98	4201660	20.0
Phenanthrene, 2-m...	17.90	10.4	ng/ul	2175990	4	16.98	4201660	20.0
Anthracene, 2-met...	17.99	4.8	ng/ul	1002420	4	16.98	4201660	20.0
Naphtho[2,3-b]nor...	18.05	16.3	ng/ul	3428020	4	16.98	4201660	20.0
unknown-01	18.26	2.2	ng/ul	462042	4	16.98	4201660	20.0
Anthracene, 1-met...	18.33	3.5	ng/ul	739914	4	16.98	4201660	20.0
5,16[1',2']:8,13[...	18.37	3.7	ng/ul	785062	4	16.98	4201660	20.0
Phenanthrene, 2,3...	18.62	3.3	ng/ul	701861	4	16.98	4201660	20.0