

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
 Data File : BN005201.D
 Acq On : 23 Apr 2019 07:22
 Operator : JU/SJ
 Sample : K2402-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9

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	6.775	637	644	652	rVV	1512429	2361735	4.06%	0.333%
2	7.134	697	705	714	rVB	1500046	2320398	3.99%	0.327%
3	8.293	896	902	910	rVB	1814607	2812246	4.84%	0.396%
4	8.740	972	978	984	rVB	1318522	2180898	3.75%	0.307%
5	9.981	1185	1189	1197	rVB	1843592	2971684	5.11%	0.419%
6	10.357	1244	1253	1258	rBV	1826395	3264464	5.62%	0.460%
7	10.410	1258	1262	1271	rVV	1388789	2332117	4.01%	0.328%
8	11.810	1493	1500	1505	rBV	1358124	2390279	4.11%	0.337%
9	11.881	1506	1512	1520	rVV	998332	2680499	4.61%	0.378%
10	12.028	1531	1537	1546	rVB	3270109	5455741	9.39%	0.768%
11	12.251	1569	1575	1581	rBV	1888451	2945376	5.07%	0.415%
12	13.081	1707	1716	1723	rBV	2742112	4402715	7.57%	0.620%
13	13.387	1764	1768	1777	rVB	1372570	3032449	5.22%	0.427%
14	13.551	1790	1796	1801	rVV	1629510	2674562	4.60%	0.377%
15	13.651	1809	1813	1816	rVV	3220106	4770102	8.21%	0.672%
16	13.687	1816	1819	1825	rVV3	3390583	5212400	8.97%	0.734%
17	13.922	1853	1859	1861	rBV	3046119	4874037	8.39%	0.687%
18	13.951	1861	1864	1877	rVB	6884052	9962214	17.14%	1.403%
19	14.163	1895	1900	1905	rBV	3185353	4197869	7.22%	0.591%
20	14.234	1906	1912	1917	rVV2	2261010	3561468	6.13%	0.502%
21	14.434	1940	1946	1956	rVB2	1292256	2607243	4.49%	0.367%
22	14.716	1989	1994	1998	rVB	1770200	2394632	4.12%	0.337%
23	14.845	2010	2016	2022	rBV2	2182839	4771430	8.21%	0.672%
24	15.116	2056	2062	2067	rVB2	2946147	4907208	8.44%	0.691%
25	15.234	2067	2082	2086	rBV2	4742248	8811947	15.16%	1.241%
26	15.986	2202	2210	2213	rBV3	2401813	4665530	8.03%	0.657%
27	16.292	2256	2262	2267	rVV5	1363271	3317382	5.71%	0.467%
28	16.345	2267	2271	2277	rVV3	1826362	3075684	5.29%	0.433%
29	16.563	2304	2308	2313	rVB2	1990543	3074371	5.29%	0.433%
30	16.781	2341	2345	2350	rVV2	1689629	2226796	3.83%	0.314%
31	16.986	2375	2380	2383	rBV2	2578066	3816354	6.57%	0.538%
32	17.028	2383	2387	2392	rVV	4266570	6177634	10.63%	0.870%
33	17.086	2392	2397	2400	rVV	3691048	5735221	9.87%	0.808%
34	17.116	2400	2402	2407	rVB	3733643	4650388	8.00%	0.655%

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35	17.186	2408	2414	2419	rBV3	1669329	3400638	5.85%	0.479%
36	17.516	2466	2470	2475	rVV2	2679500	3671685	6.32%	0.517%
37	17.686	2497	2499	2511	rVB2	1804628	3388118	5.83%	0.477%
38	17.869	2525	2530	2534	rVV	4903384	7209918	12.40%	1.016%
39	17.916	2534	2538	2546	rVB	7763829	10763090	18.52%	1.516%
40	17.998	2547	2552	2556	rBV	2874516	4098792	7.05%	0.577%
41	18.057	2557	2562	2567	rVV2	10358654	19356068	33.30%	2.726%
42	18.098	2567	2569	2574	rVB	3973280	4469070	7.69%	0.629%
43	18.192	2580	2585	2588	rBV	1464404	2185992	3.76%	0.308%
44	18.375	2612	2616	2620	rVB	3110057	4382110	7.54%	0.617%
45	18.628	2655	2659	2663	rVV2	1800922	2408284	4.14%	0.339%
46	18.675	2663	2667	2671	rVB	2472502	3236676	5.57%	0.456%
47	18.716	2671	2674	2678	rVB	2226956	2789479	4.80%	0.393%
48	18.804	2683	2689	2693	rBV2	6681414	11634168	20.02%	1.639%
49	18.863	2693	2699	2702	rVV2	5358505	8872597	15.26%	1.250%
50	18.892	2702	2704	2708	rVB	3245212	3822244	6.58%	0.538%
51	18.945	2708	2713	2721	rBV2	4892121	11636184	20.02%	1.639%
52	19.069	2726	2734	2741	rVV2	21861907	32863678	56.54%	4.629%
53	19.145	2742	2747	2750	rVV	3262745	5311729	9.14%	0.748%
54	19.175	2750	2752	2755	rVV4	1988611	3064922	5.27%	0.432%
55	19.216	2755	2759	2764	rVV	7854782	11177662	19.23%	1.574%
56	19.269	2764	2768	2772	rVV3	1419524	2199838	3.78%	0.310%
57	19.339	2776	2780	2786	rVB	3055901	5377242	9.25%	0.757%
58	19.445	2786	2798	2804	rBV3	31439013	58124266	100.00%	8.187%
59	19.516	2806	2810	2815	rVV2	2125686	3469830	5.97%	0.489%
60	19.610	2823	2826	2829	rVV2	1780377	2545502	4.38%	0.359%
61	19.675	2833	2837	2844	rVV5	2068428	4235057	7.29%	0.597%
62	19.763	2848	2852	2863	rVV3	6805444	13701313	23.57%	1.930%
63	19.851	2863	2867	2870	rVV2	1487674	2208715	3.80%	0.311%
64	19.910	2870	2877	2879	rVV4	6304331	13599634	23.40%	1.915%
65	19.939	2879	2882	2886	rVV	10482544	13925783	23.96%	1.961%
66	20.039	2895	2899	2904	rVV	7869801	11297097	19.44%	1.591%
67	20.098	2905	2909	2913	rVV	8668023	12155761	20.91%	1.712%
68	20.192	2920	2925	2929	rVV4	1691376	3362062	5.78%	0.474%
69	20.239	2929	2933	2937	rVV	7239021	10531981	18.12%	1.483%
70	20.286	2937	2941	2949	rVB	8650334	12000624	20.65%	1.690%
71	20.539	2980	2984	2987	rVV	2342735	4188608	7.21%	0.590%

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72	20.569	2987	2989	2994	rVB	2083438	2967833	5.11%	0.418%
73	20.657	2999	3004	3008	rBV	2363918	5169732	8.89%	0.728%
74	20.833	3029	3034	3036	rBV4	1747716	3063572	5.27%	0.432%
75	20.904	3042	3046	3049	rVB	4707655	5203278	8.95%	0.733%
76	20.939	3049	3052	3054	rBV	1959520	2378563	4.09%	0.335%
77	21.210	3093	3098	3103	rBV2	21260248	35362399	60.84%	4.981%
78	21.263	3104	3107	3113	rVB	16100209	23397153	40.25%	3.295%
79	21.427	3132	3135	3141	rVB	3766230	5364327	9.23%	0.756%
80	21.721	3182	3185	3188	rVV	2658866	3498789	6.02%	0.493%
81	21.780	3189	3195	3199	rVV2	8396342	13449481	23.14%	1.894%
82	21.827	3200	3203	3209	rVV2	4735396	6364787	10.95%	0.896%
83	21.898	3210	3215	3217	rVV2	2766509	4928519	8.48%	0.694%
84	21.927	3217	3220	3224	rVV	3503068	5473294	9.42%	0.771%
85	21.974	3224	3228	3230	rVV	4311815	6872290	11.82%	0.968%
86	22.004	3230	3233	3238	rVV2	5981168	8592973	14.78%	1.210%
87	22.074	3241	3245	3250	rVB2	2453260	3299575	5.68%	0.465%
88	22.616	3333	3337	3353	rVB2	2118272	5816390	10.01%	0.819%
89	22.792	3359	3367	3371	rBV2	7467275	20339201	34.99%	2.865%
90	22.945	3388	3393	3401	rVB	4120213	7382256	12.70%	1.040%
91	23.245	3438	3444	3449	rBV	5424149	10444957	17.97%	1.471%
92	23.298	3449	3453	3455	rVV2	2627064	4422255	7.61%	0.623%
93	23.345	3455	3461	3469	rVV	11144480	21735064	37.39%	3.061%
94	23.433	3472	3476	3480	rVV	1942409	3596101	6.19%	0.507%
95	23.486	3480	3485	3492	rVB2	1838274	4288426	7.38%	0.604%
96	23.686	3513	3519	3523	rBV5	1402384	3552337	6.11%	0.500%
97	24.274	3614	3619	3633	rVB2	2039974	4679953	8.05%	0.659%
98	25.621	3838	3848	3859	rVB2	3903944	11532374	19.84%	1.624%
99	25.874	3884	3891	3899	rBV	1359773	3226701	5.55%	0.454%
100	26.280	3953	3960	3971	rVB	2082309	6275993	10.80%	0.884%

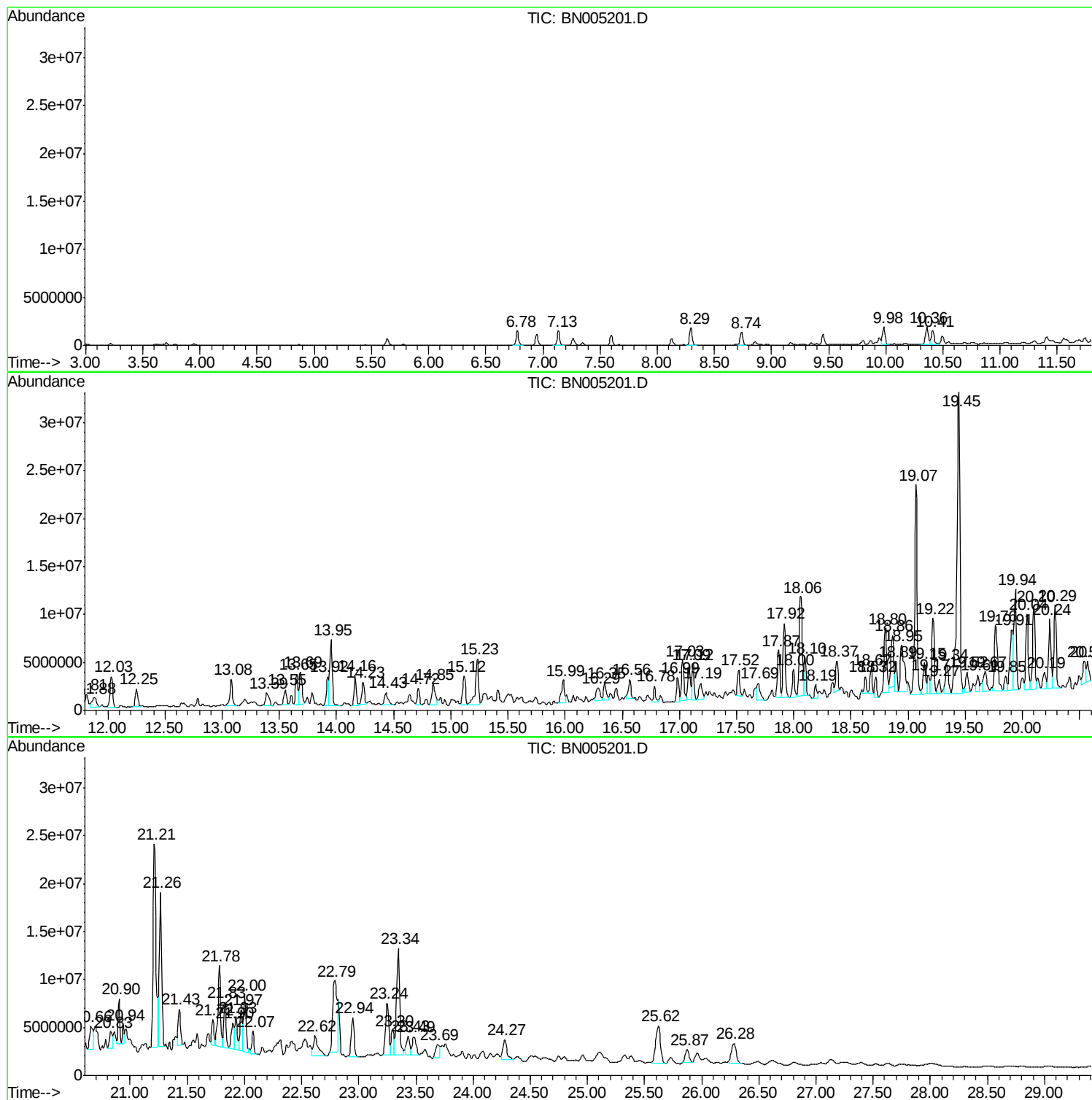
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



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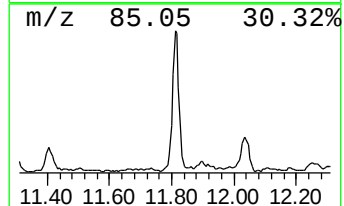
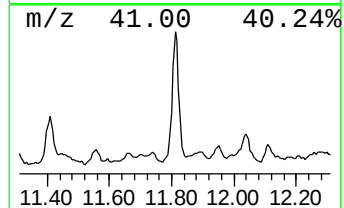
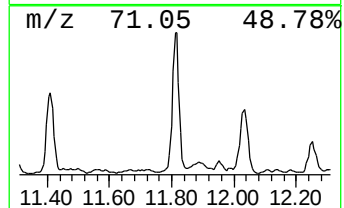
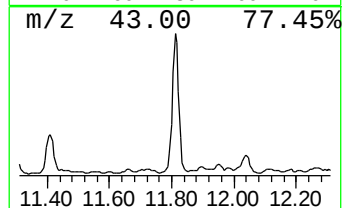
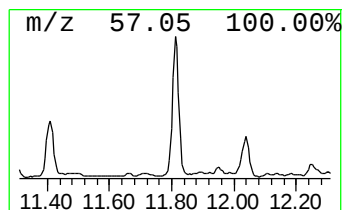
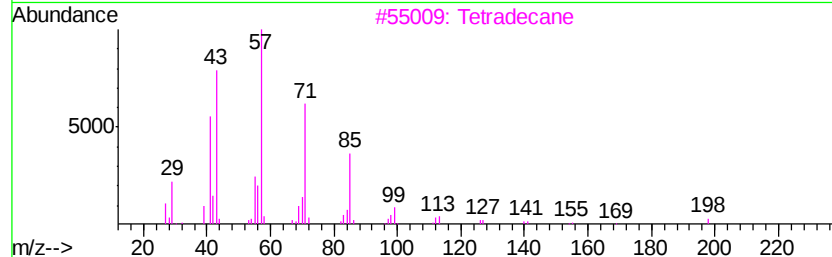
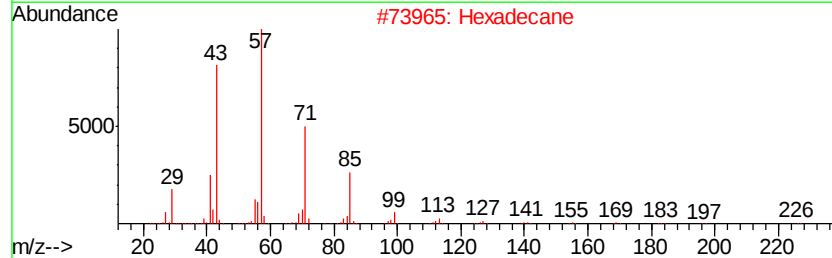
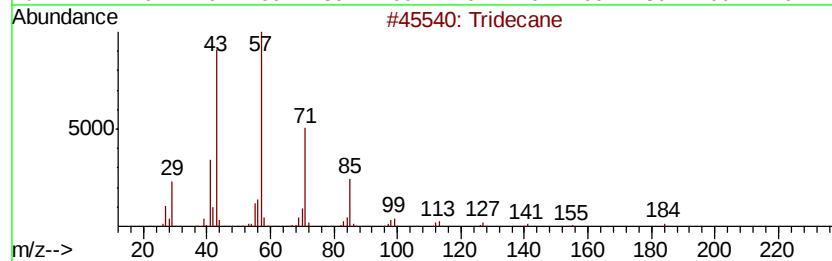
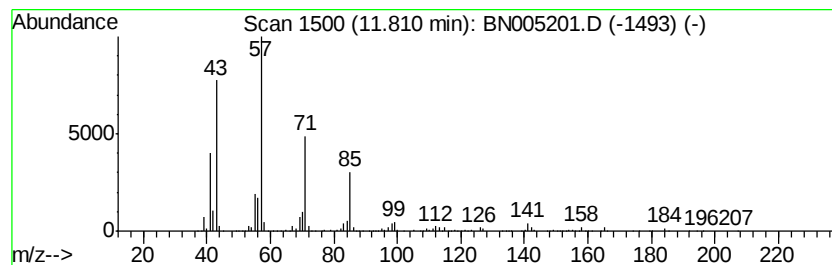
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION

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

 Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	14.64 ng/ul	2390280	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	93
2		Hexadecane	226	C16H34	000544-76-3	86
3		Tetradecane	198	C14H30	000629-59-4	86
4		Tridecane	184	C13H28	000629-50-5	86
5		Dodecane	170	C12H26	000112-40-3	86



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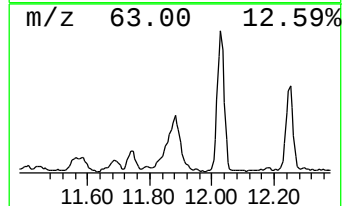
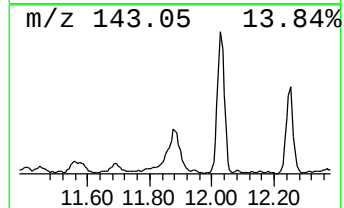
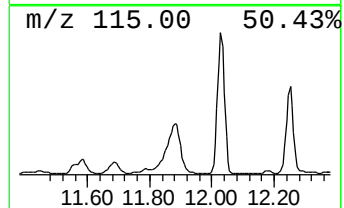
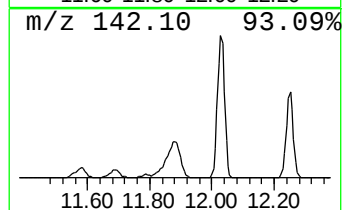
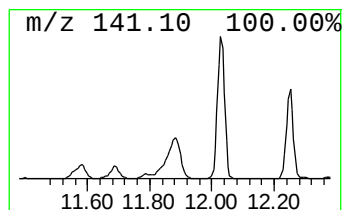
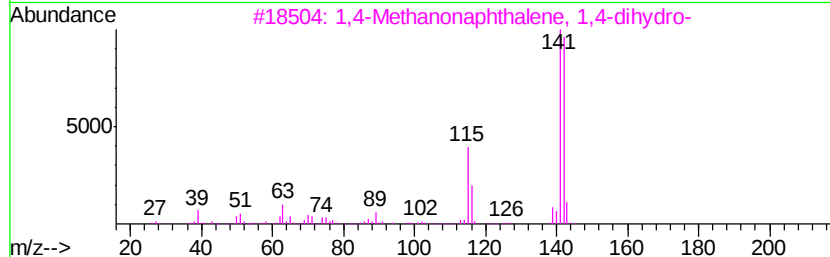
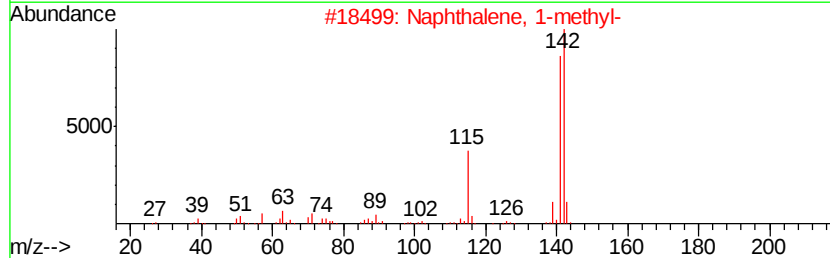
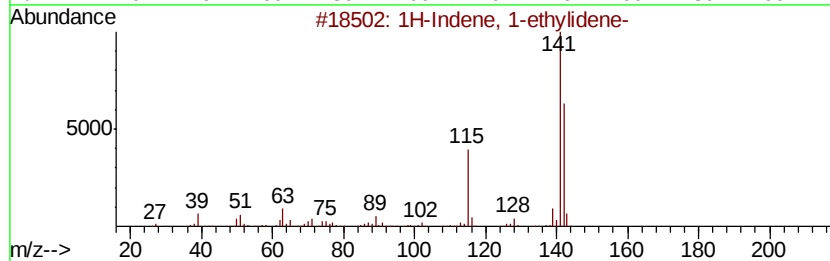
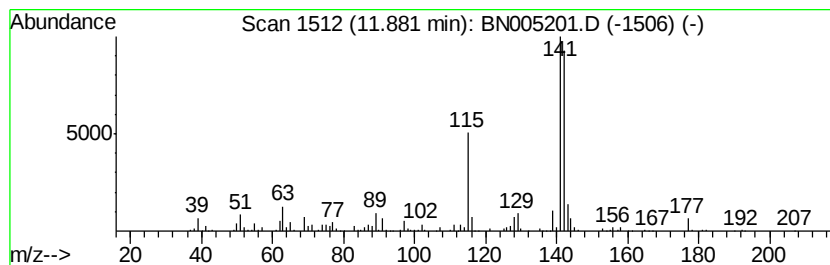
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 1H-Indene, 1-ethylidene- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	16.42 ng/ul	2680500	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	93
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		1,4-Methanonaphthalene, 1,4-dihydro-	142	C11H10	004453-90-1	93
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-pentene	142	C11H10	002443-46-1	93
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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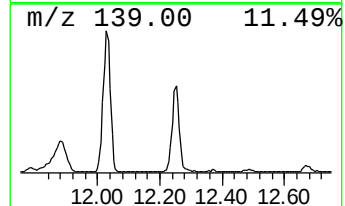
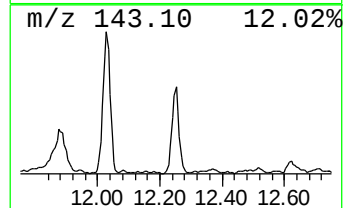
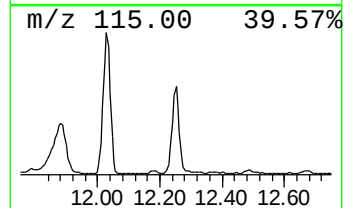
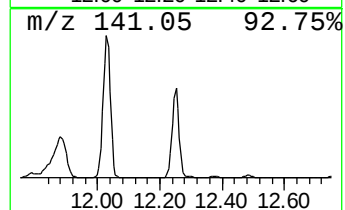
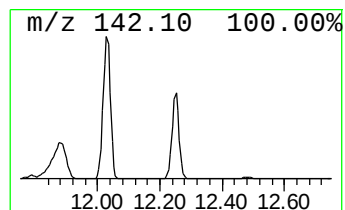
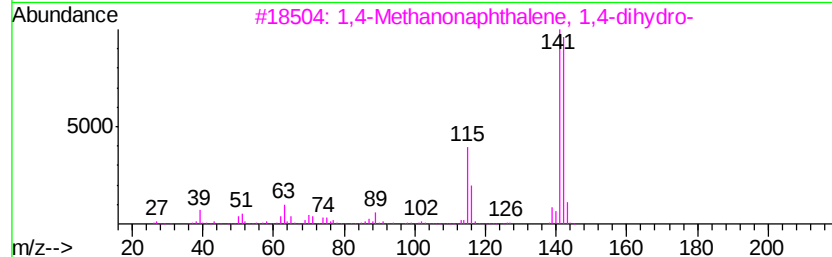
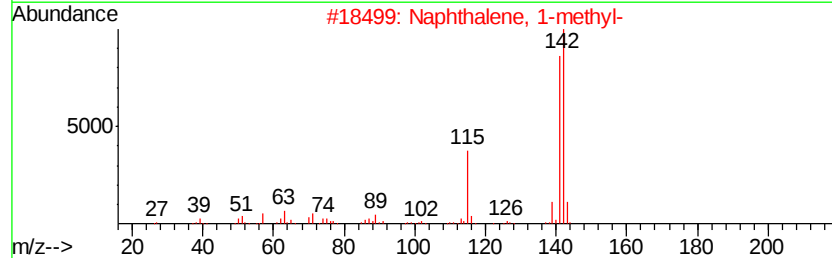
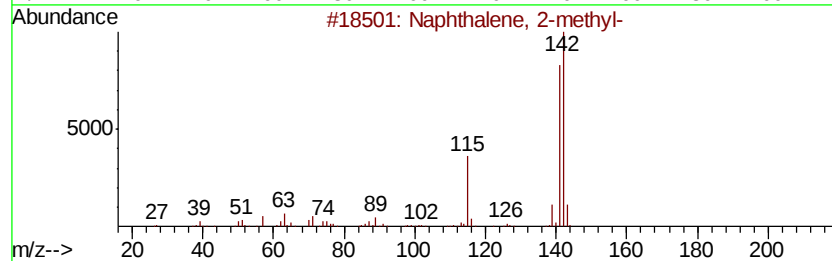
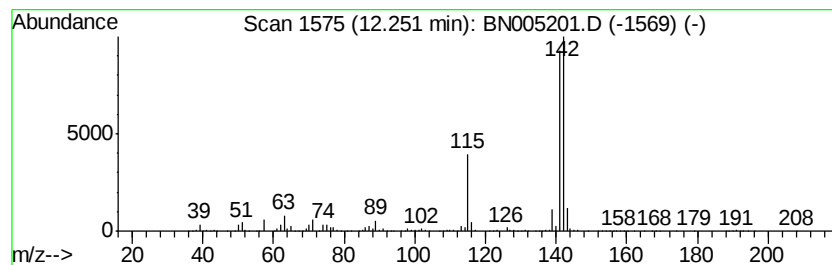
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	18.05 ng/ul	2945380	Naphthalene-d8	10.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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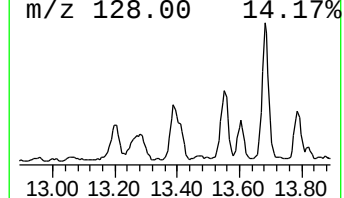
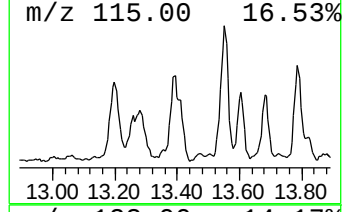
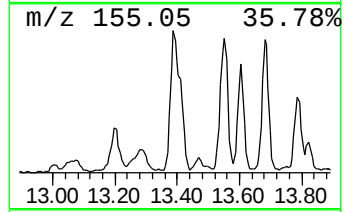
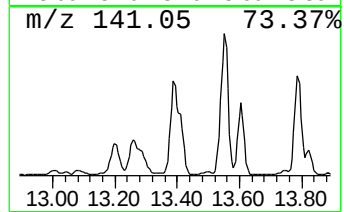
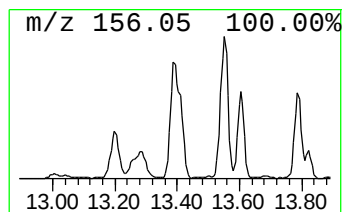
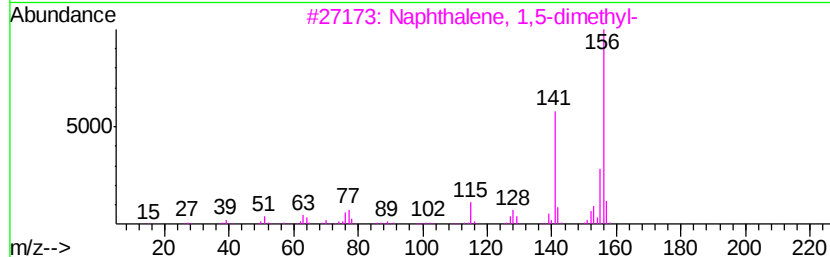
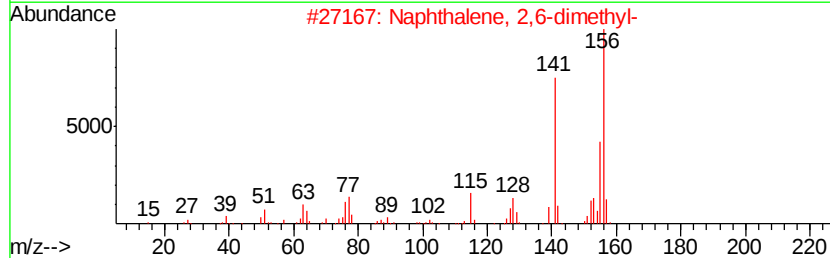
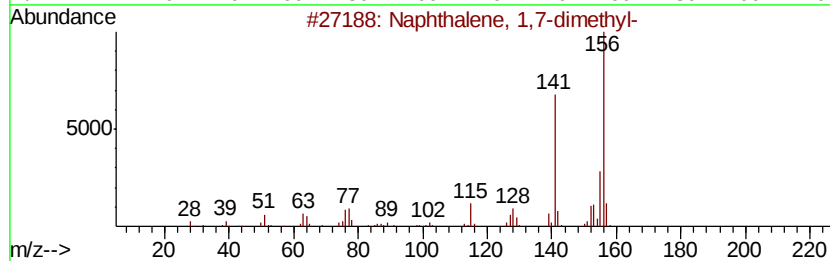
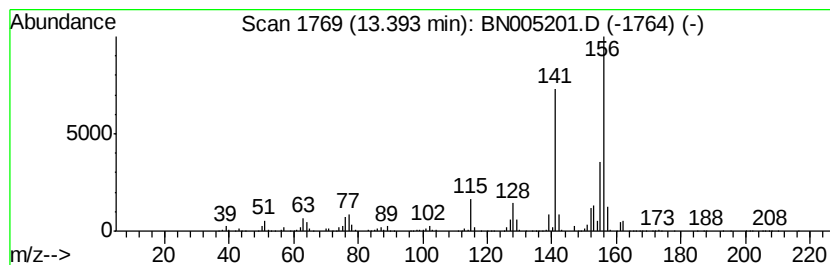
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	17.03 ng/ul	3032450	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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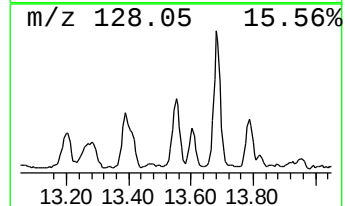
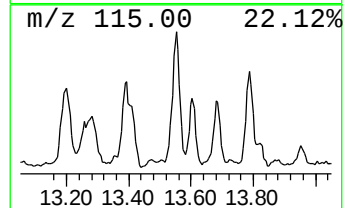
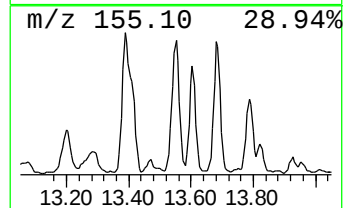
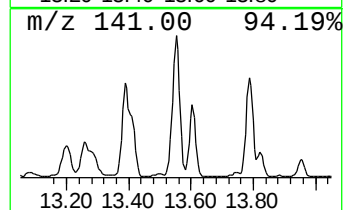
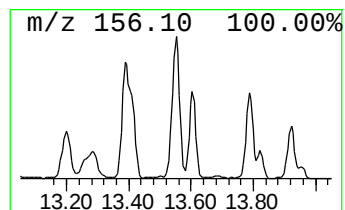
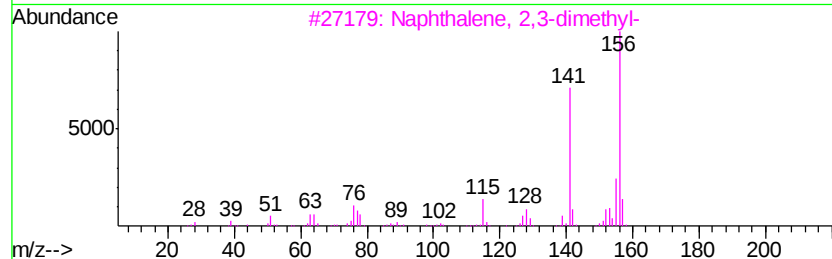
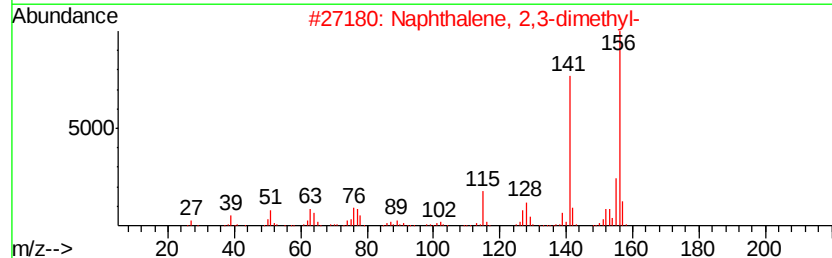
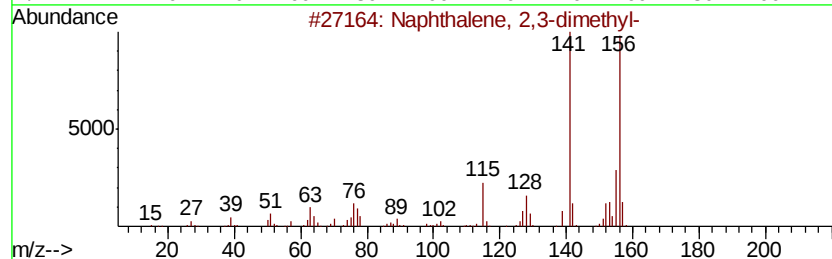
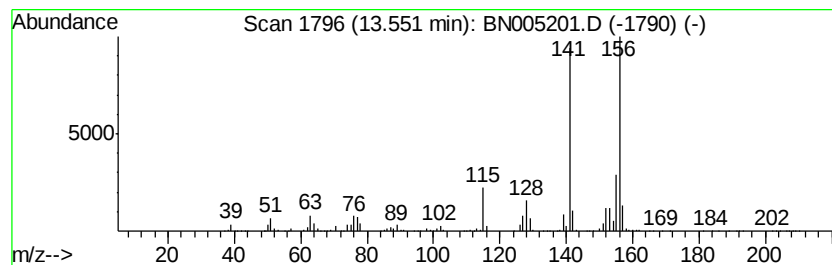
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	15.02 ng/ul	2674560	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
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ClientSampleId :
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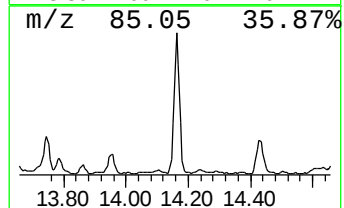
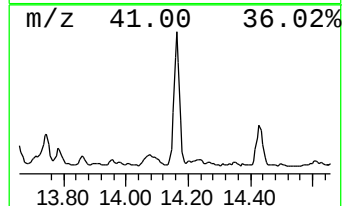
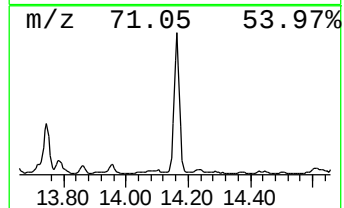
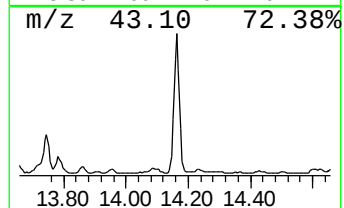
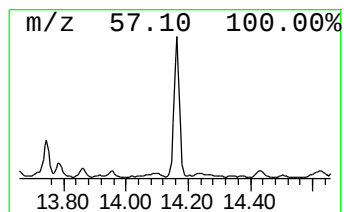
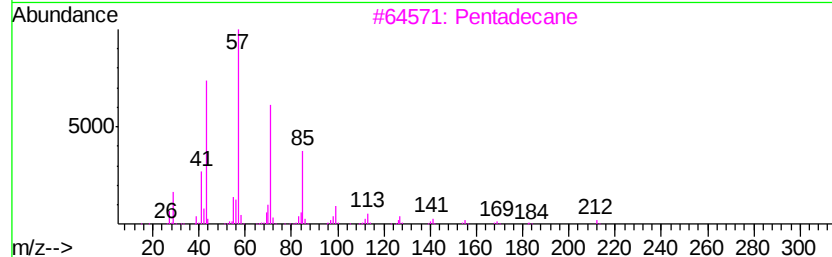
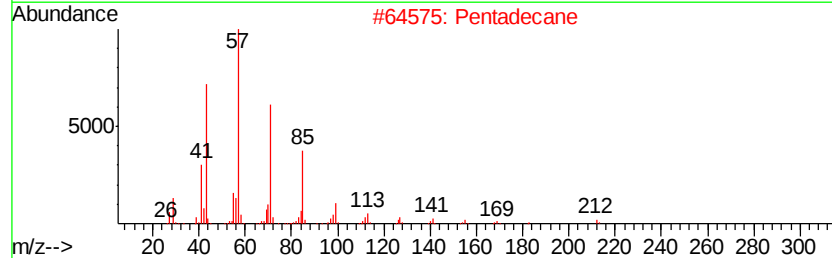
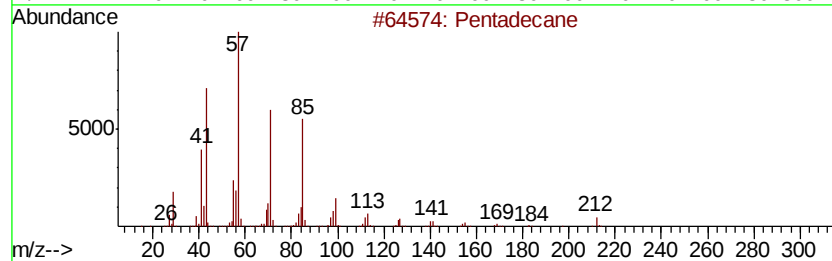
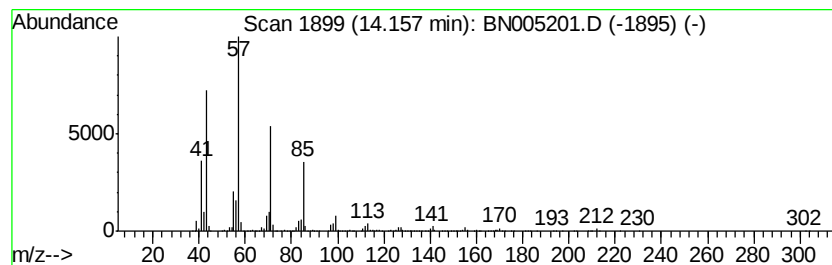
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	23.57 ng/ul	4197870	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	97
2		Pentadecane	212	C15H32	000629-62-9	95
3		Pentadecane	212	C15H32	000629-62-9	95
4		Eicosane	282	C20H42	000112-95-8	91
5		Dodecane	170	C12H26	000112-40-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
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ALS Vial : 37 Sample Multiplier: 1

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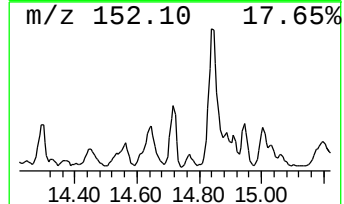
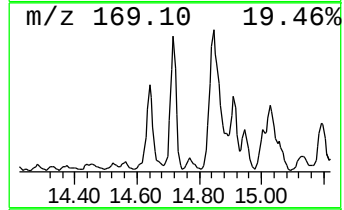
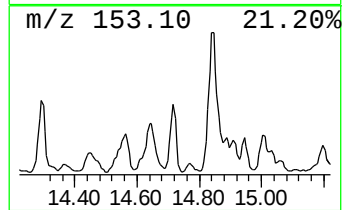
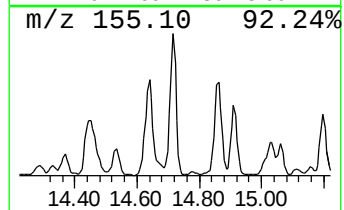
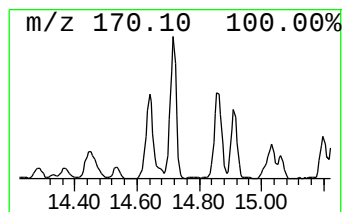
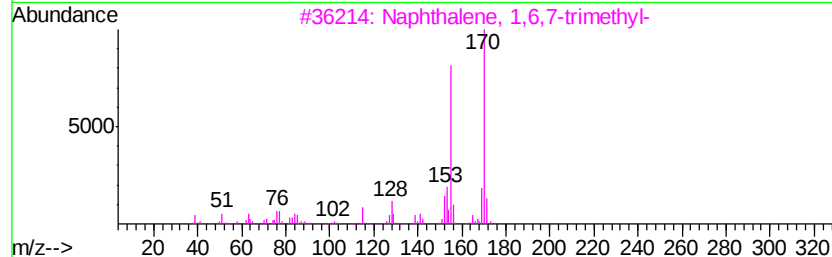
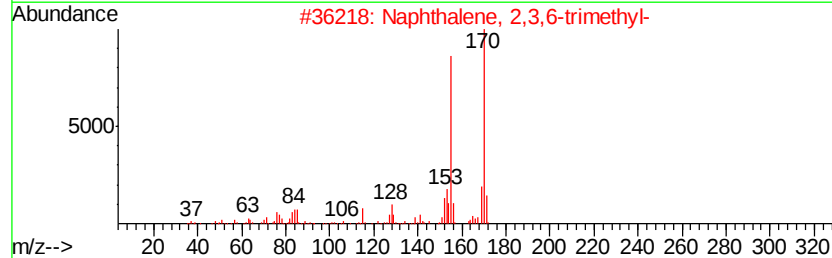
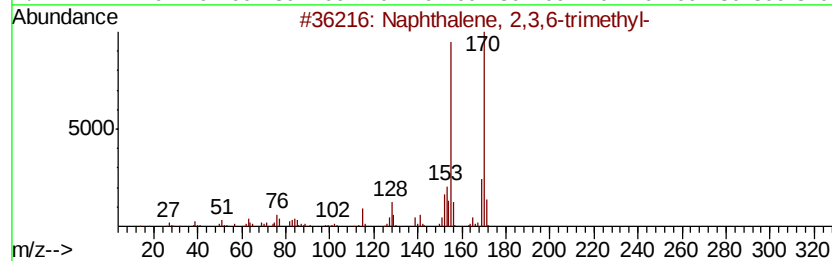
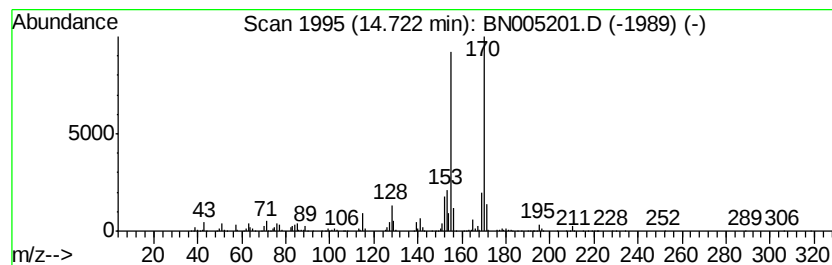
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	13.45 ng/ul	2394630	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
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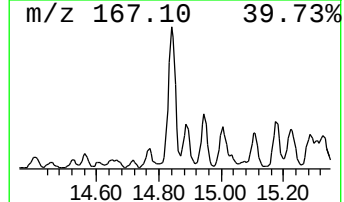
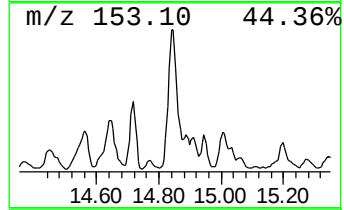
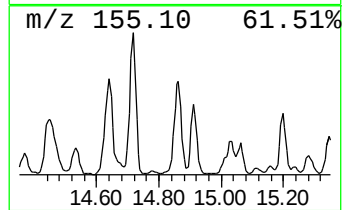
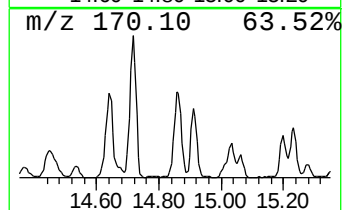
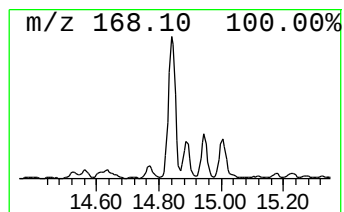
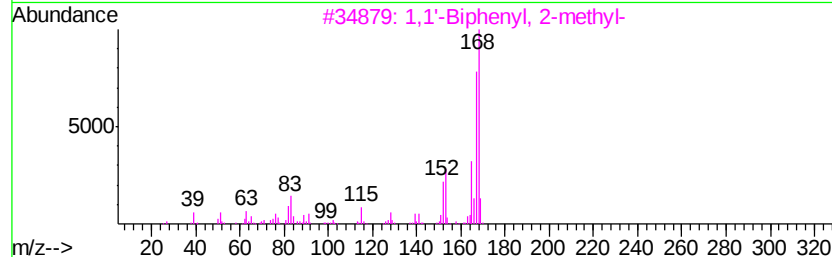
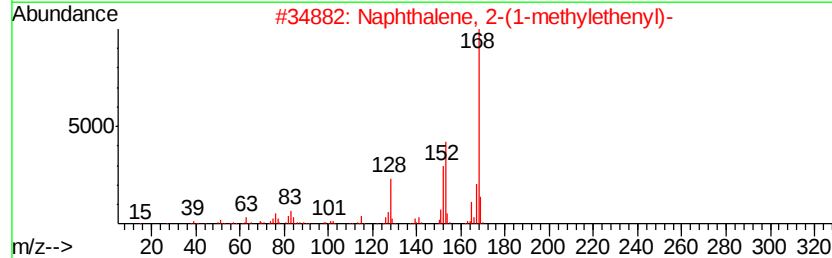
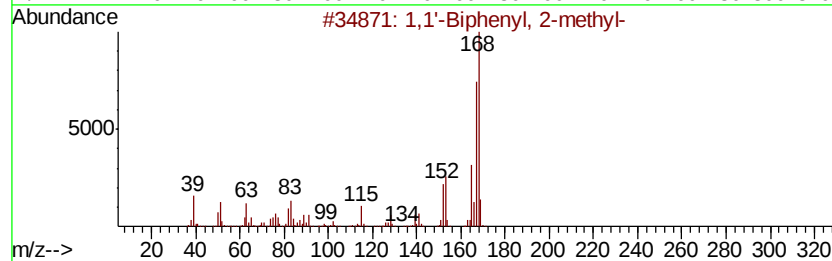
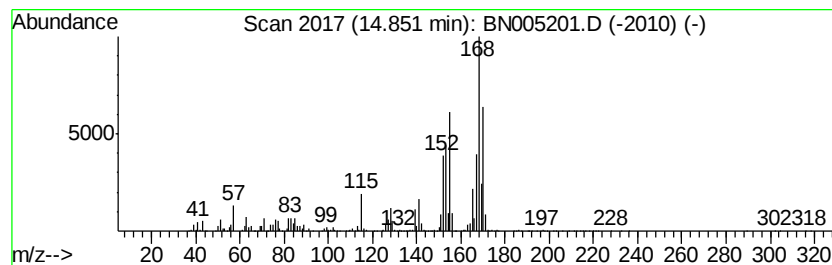
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	26.79 ng/ul	4771430	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
2		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	49
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47
4		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
5		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
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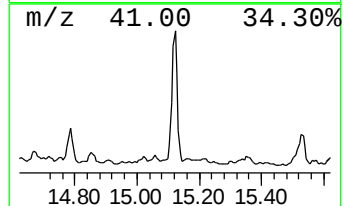
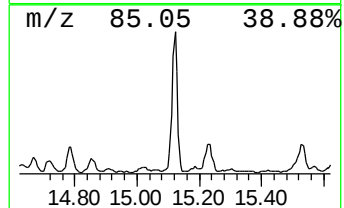
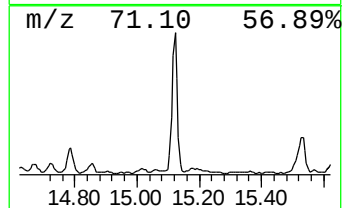
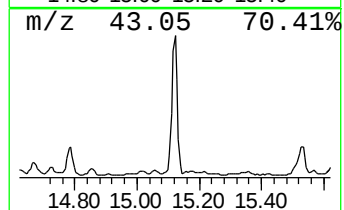
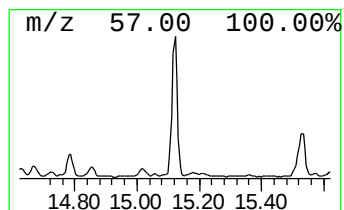
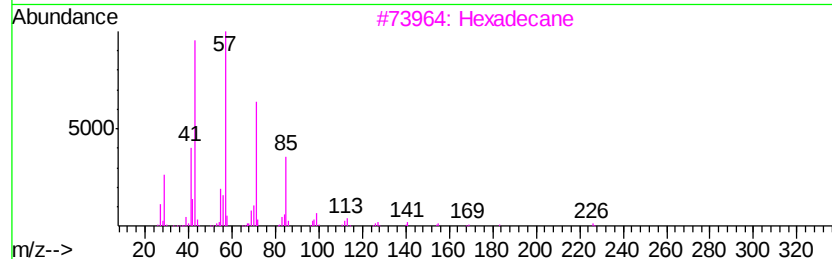
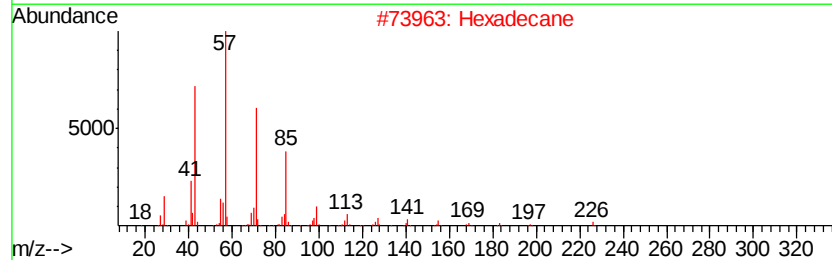
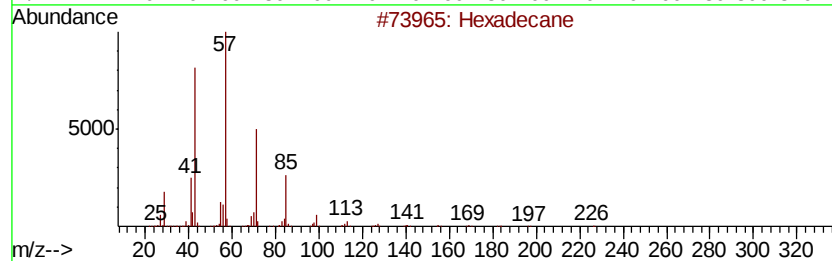
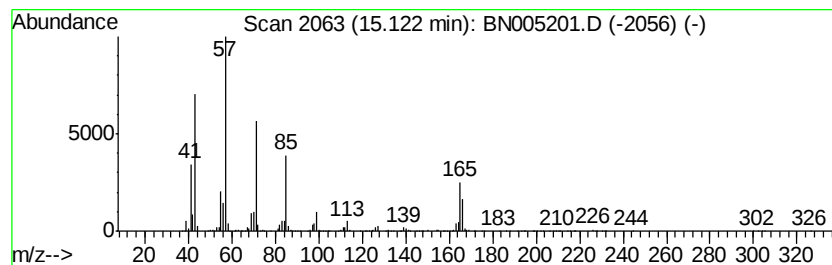
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	27.56 ng/ul	4907210	Acenaphthene-d10	14.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	89
2		Hexadecane	226	C16H34	000544-76-3	46
3		Hexadecane	226	C16H34	000544-76-3	38
4		Tetradecane	198	C14H30	000629-59-4	38
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
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ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId :
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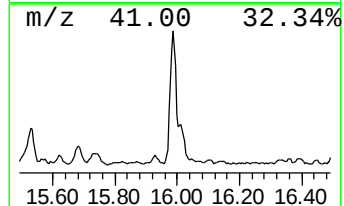
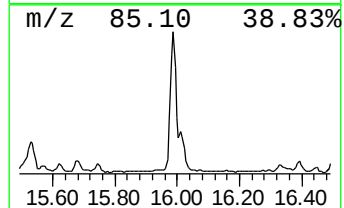
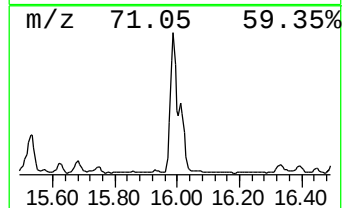
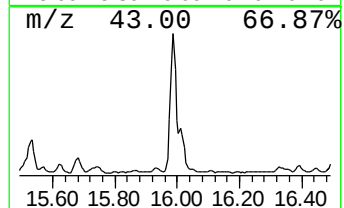
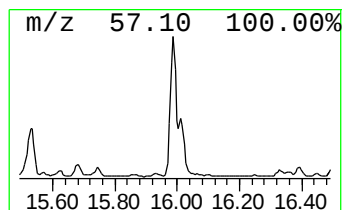
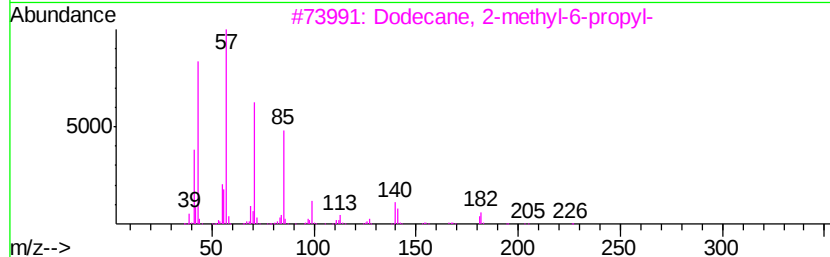
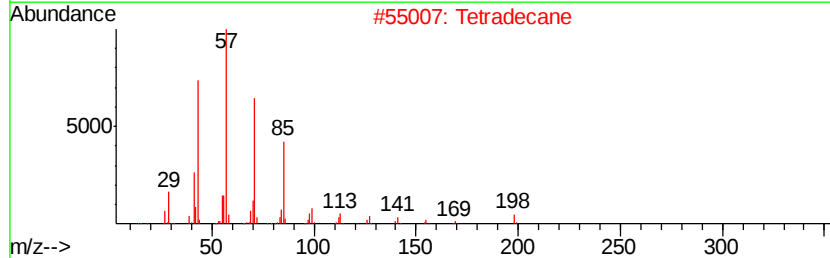
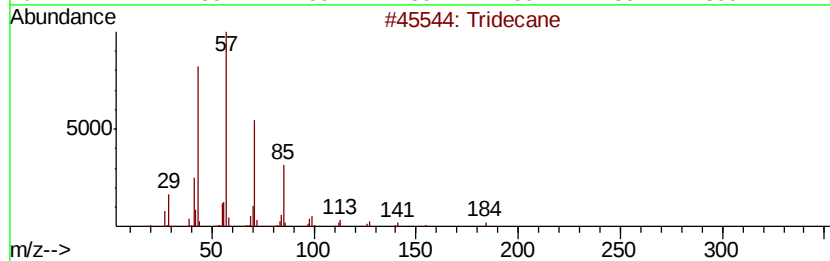
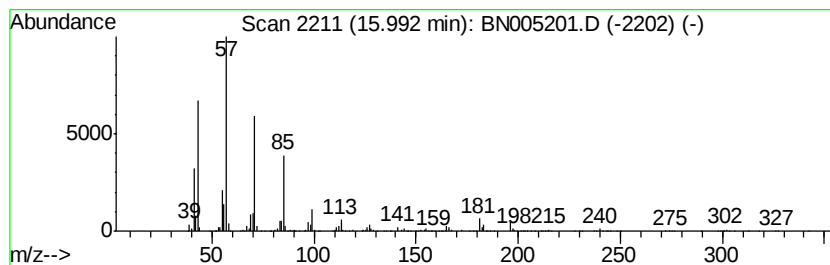
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	24.45 ng/ul	4665530	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Tetradecane	198	C14H30	000629-59-4	93
3		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
4		Tridecane, 2-methyl-	198	C14H30	001560-96-9	68
5		Eicosane	282	C20H42	000112-95-8	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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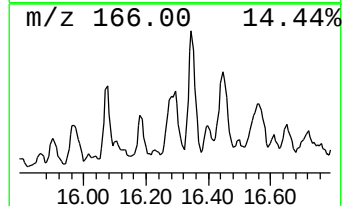
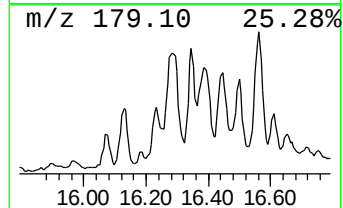
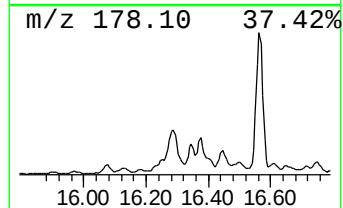
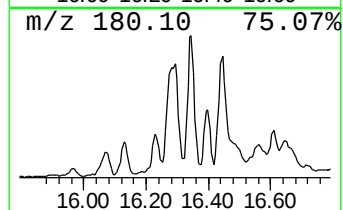
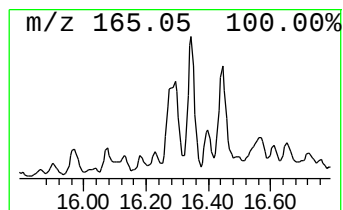
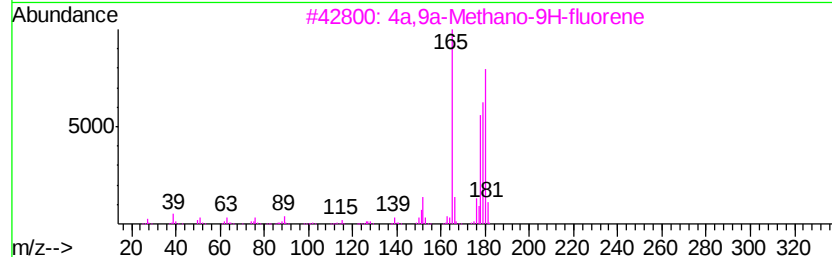
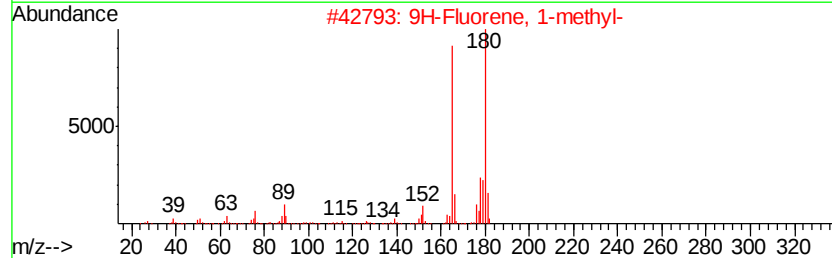
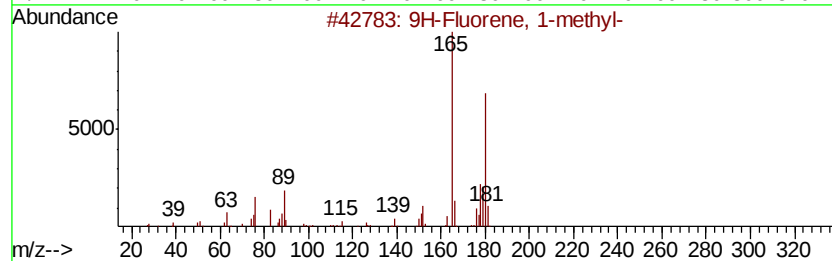
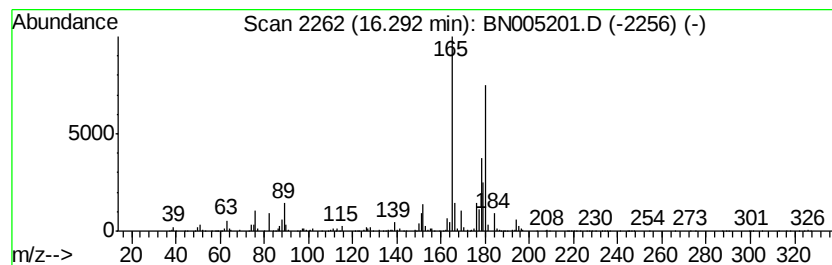
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	17.39 ng/ul	3317380	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
Misc :
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Instrument :
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ClientSampleId :
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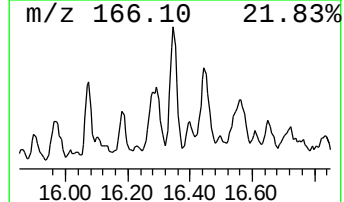
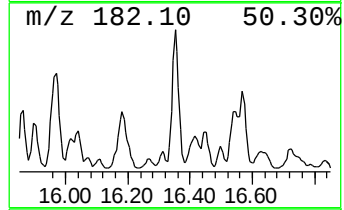
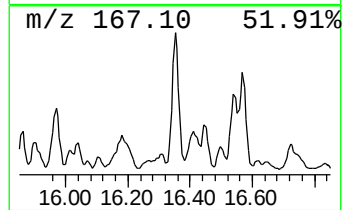
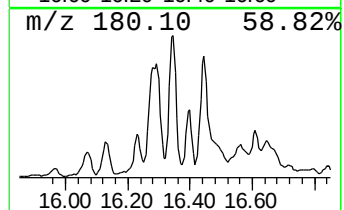
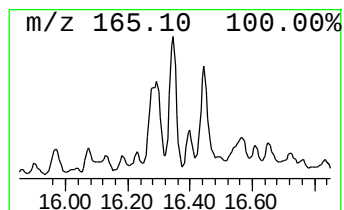
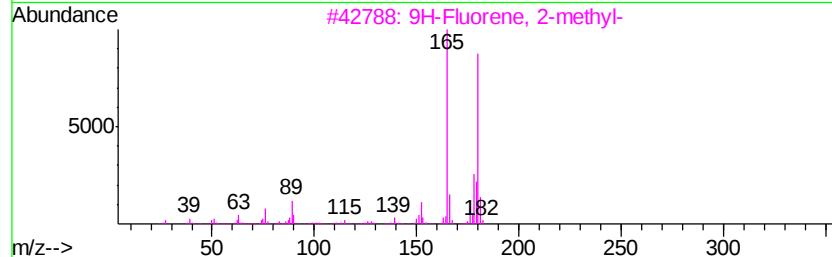
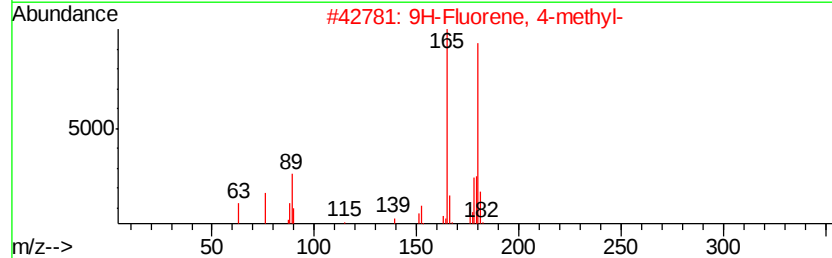
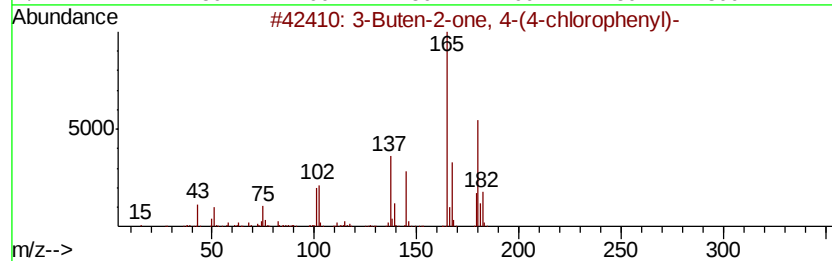
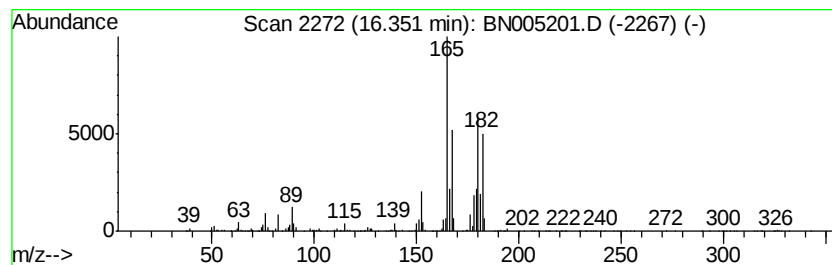
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 3-Buten-2-one, 4-(4-chlorop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	16.12 ng/ul	3075680	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Buten-2-one, 4-(4-chlorophenyl)-	180	C10H9ClO	003160-40-5	74
2		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
4		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	62
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
Misc :
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ClientSampleId :
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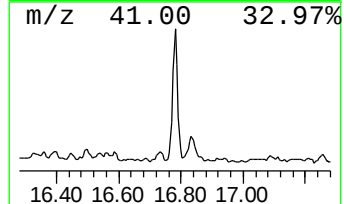
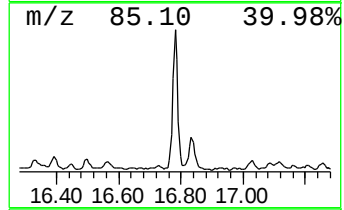
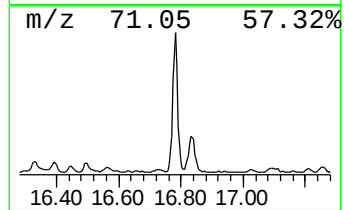
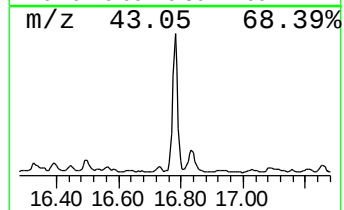
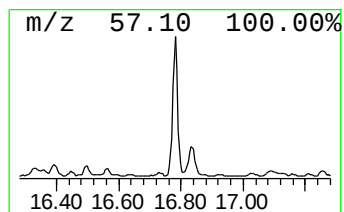
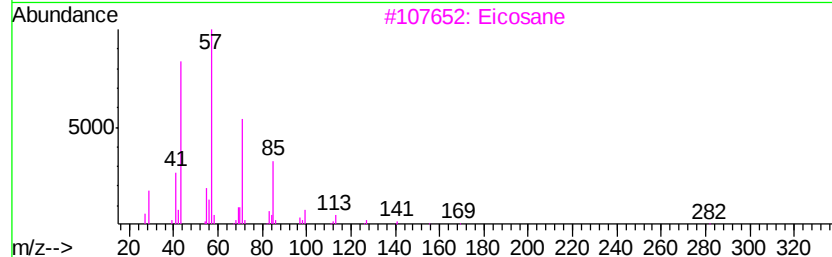
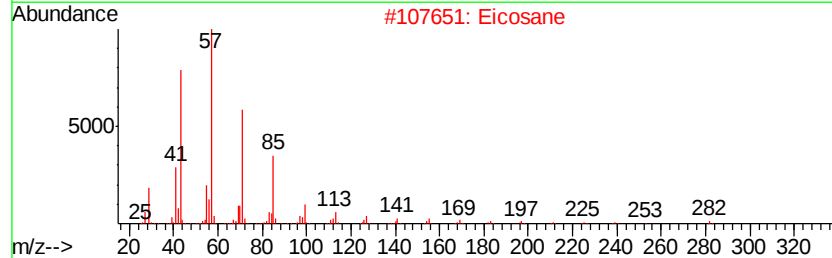
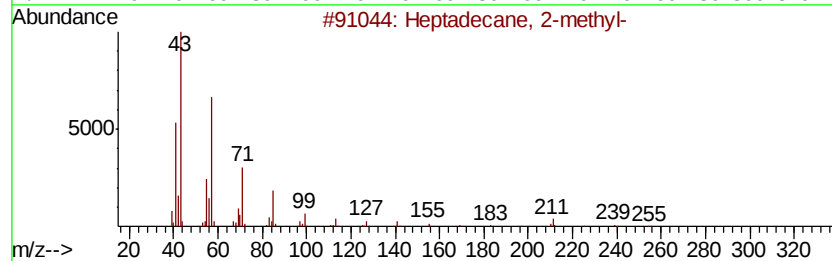
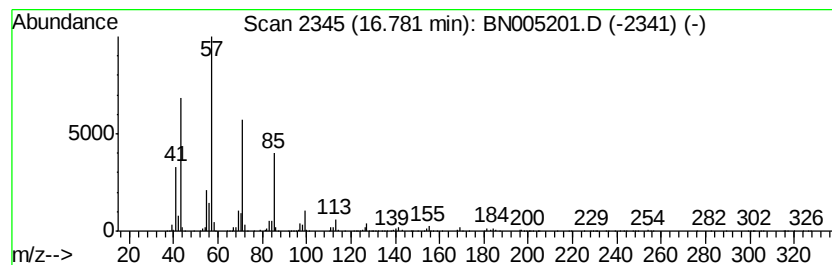
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	11.67 ng/ul	2226800	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	91
2		Eicosane	282	C20H42	000112-95-8	91
3		Eicosane	282	C20H42	000112-95-8	91
4		Nonadecane	268	C19H40	000629-92-5	90
5		Hexadecane	226	C16H34	000544-76-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId :
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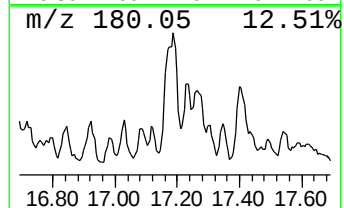
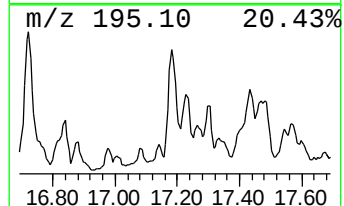
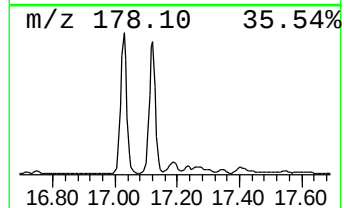
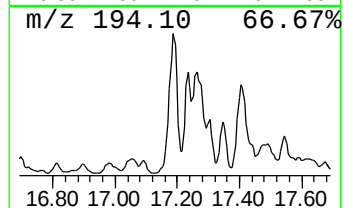
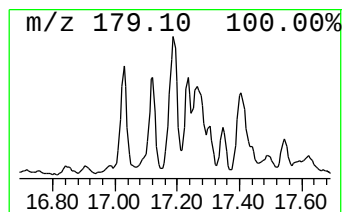
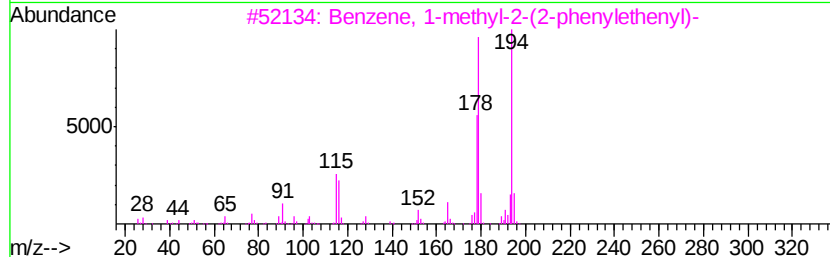
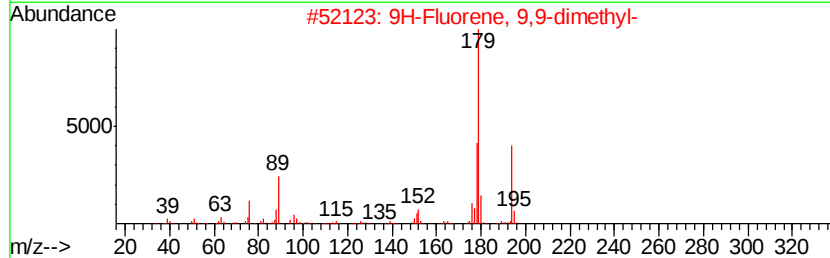
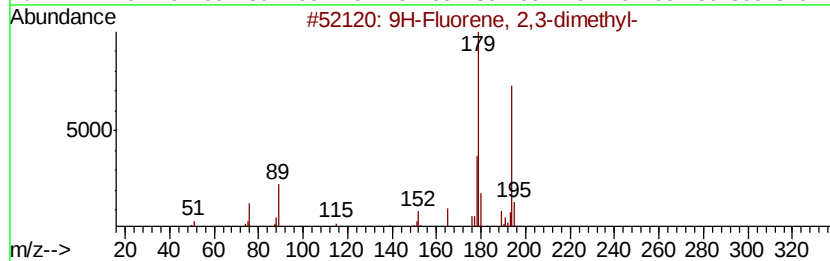
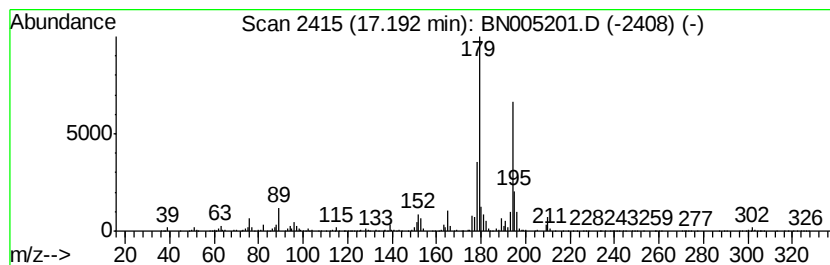
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 9H-Fluorene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	17.82 ng/ul	3400640	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	95
2		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	70
3		Benzene, 1-methyl-2-(2-phenylethyl)-	194	C15H14	074685-42-0	58
4		1,1'-Biphenyl, 2-(1-azido-1-methyl-2-phenylethyl)-	237	C15H15N3	032366-24-8	49
5		9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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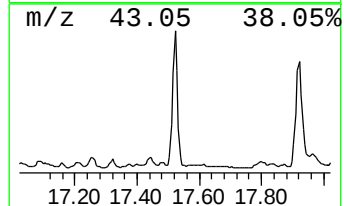
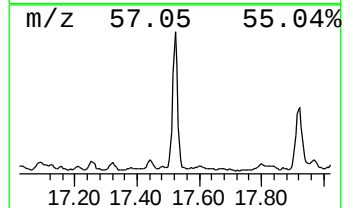
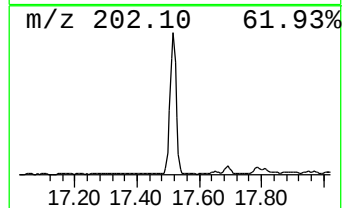
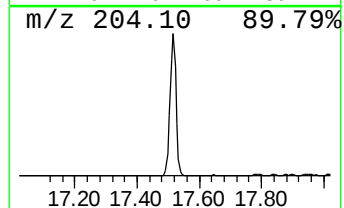
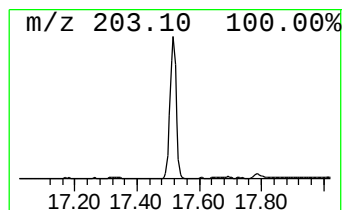
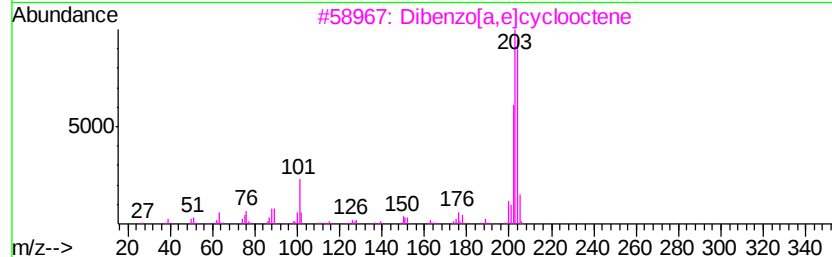
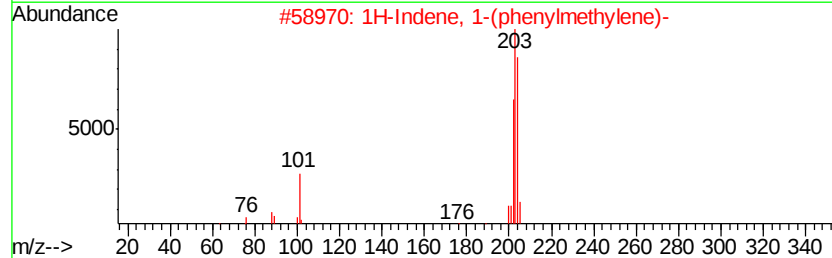
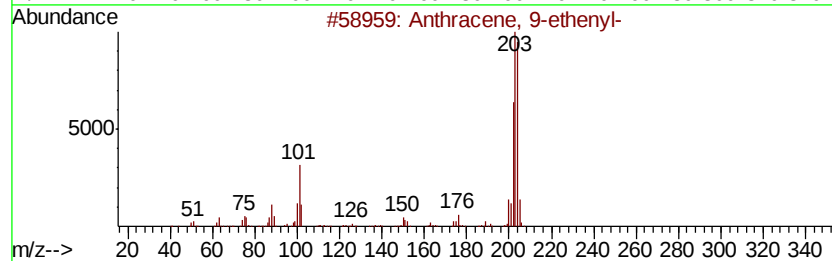
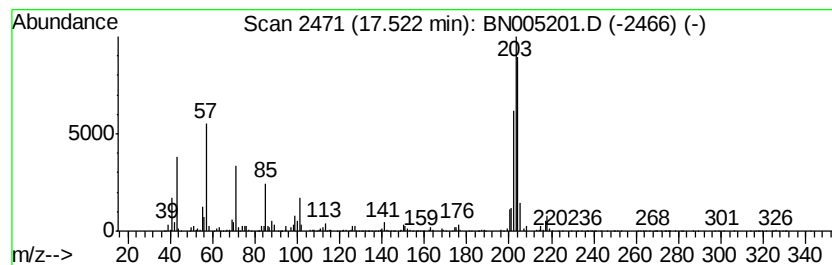
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Anthracene, 9-ethenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	19.24 ng/ul	3671690	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2		1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3		Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	70
4		Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	64
5		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
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ALS Vial : 37 Sample Multiplier: 1

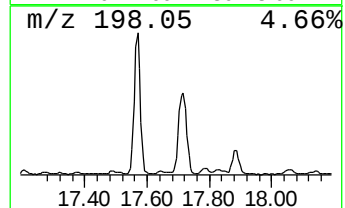
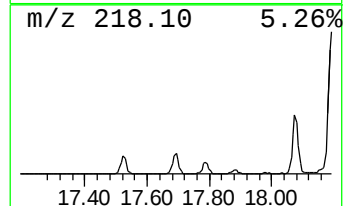
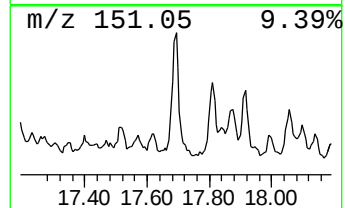
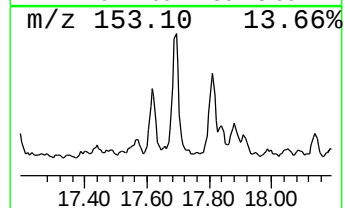
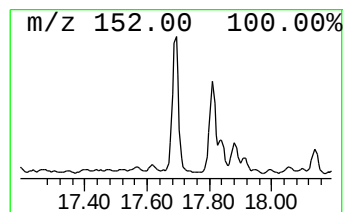
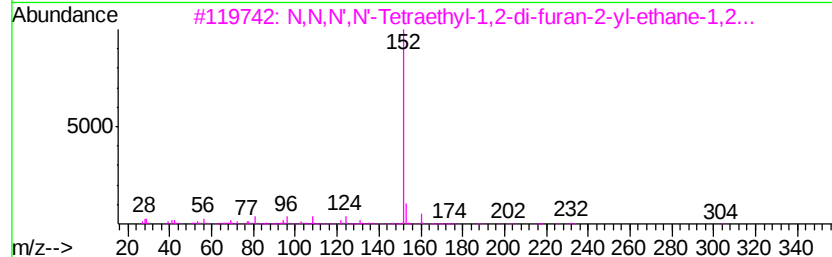
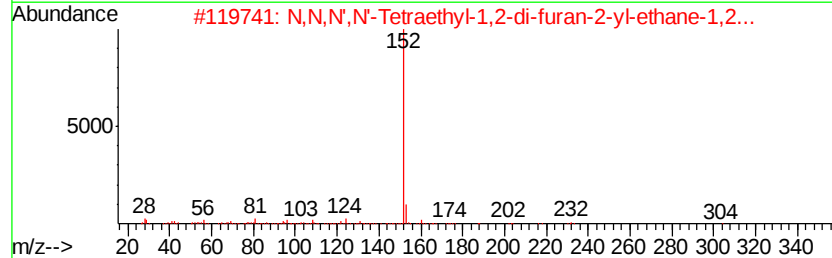
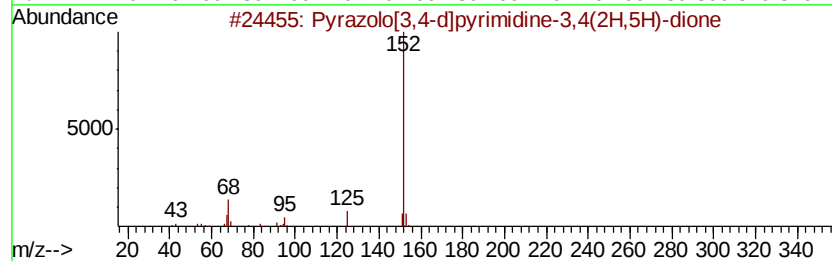
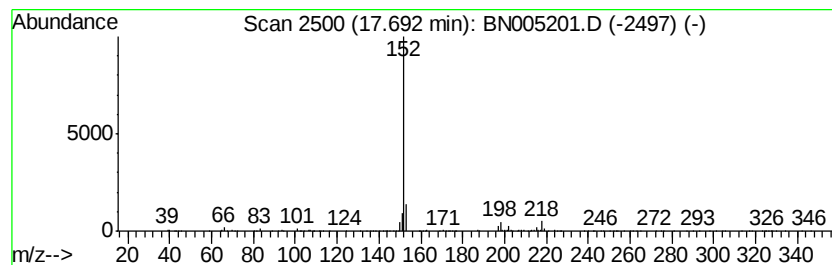
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Pyrazolo[3,4-d]pyrimidine-3... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	17.76 ng/ul	3388120	Phenanthrene-d10	16.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrazolo[3,4-d]pyrimidine-3,4(2H...	152 C5H4N4O2	128850-53-3 50
2		N,N,N',N'-Tetraethyl-1,2-di-fura...	304 C18H28N2O2	094533-62-7 42
3		N,N,N',N'-Tetraethyl-1,2-di-fura...	304 C18H28N2O2	094533-62-7 9
4		2,6-Dimethoxytoluene	152 C9H12O2	005673-07-4 9
5		p-Hydrazinobenzoic acid	152 C7H8N2O2	000619-67-0 9



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
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ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId :
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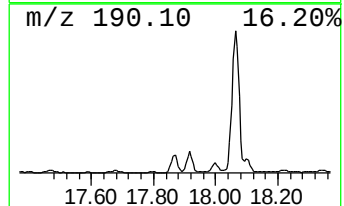
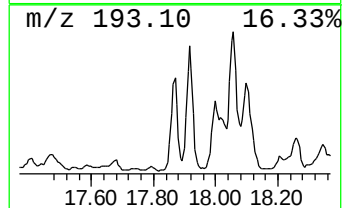
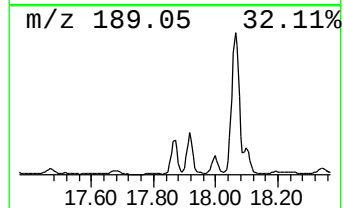
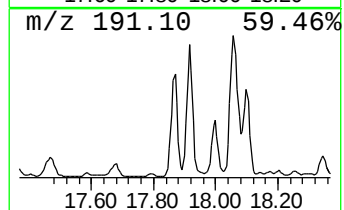
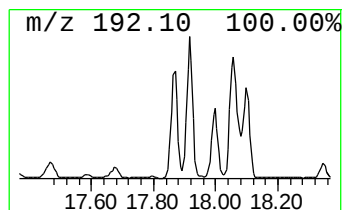
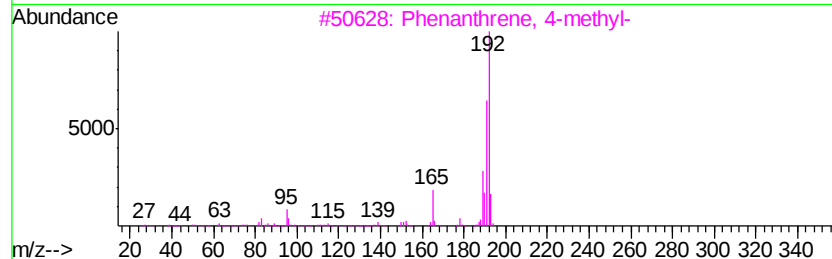
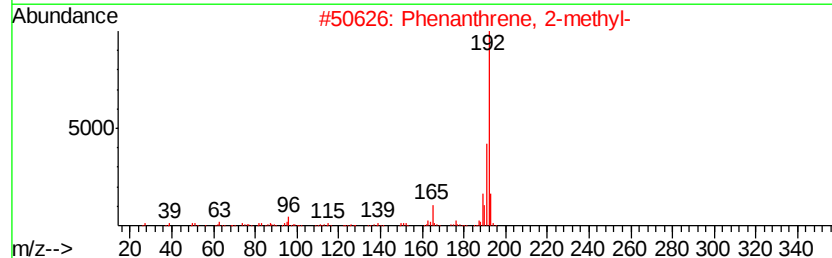
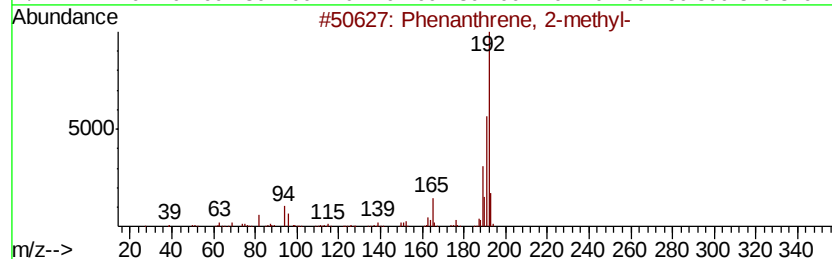
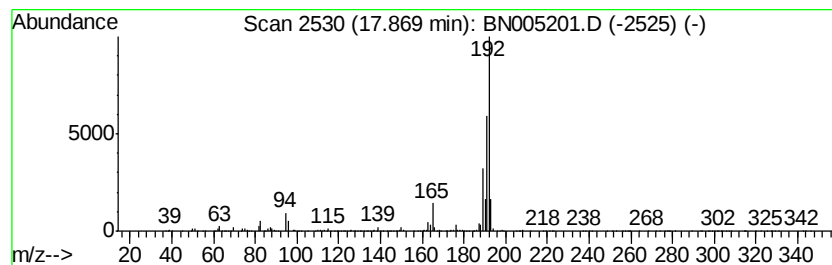
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	37.78 ng/ul	7209920	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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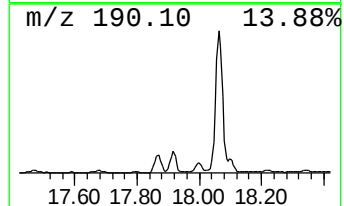
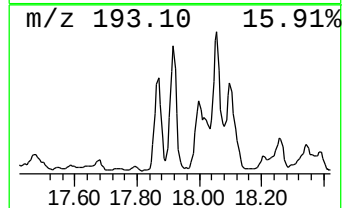
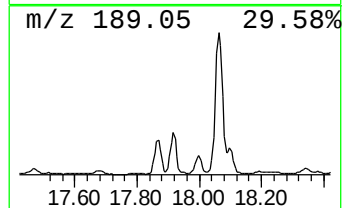
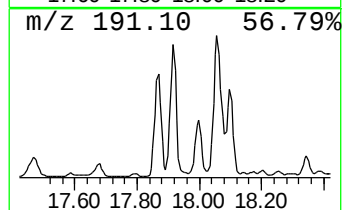
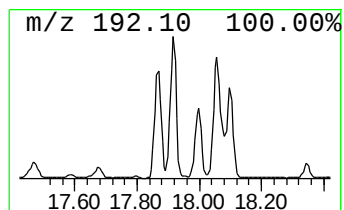
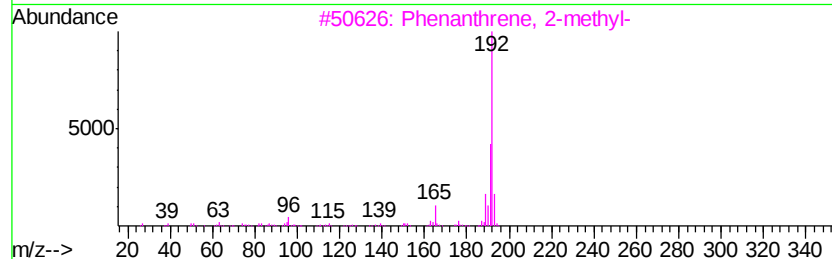
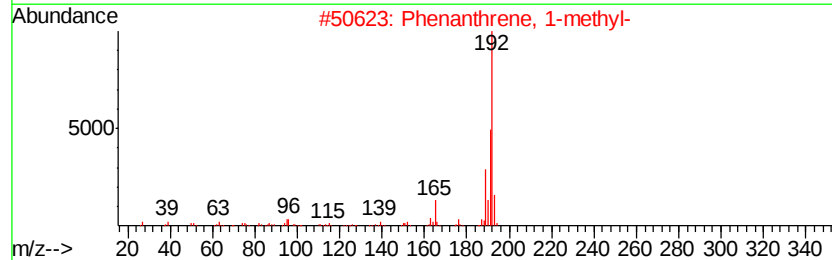
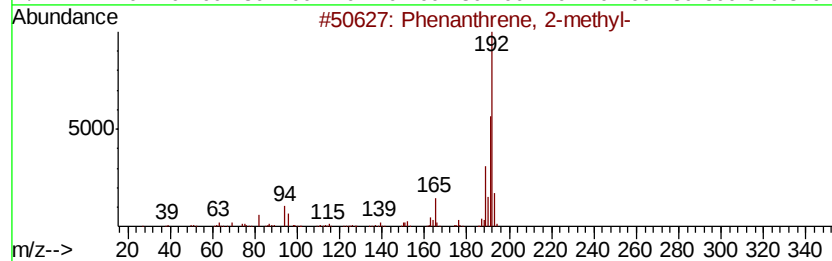
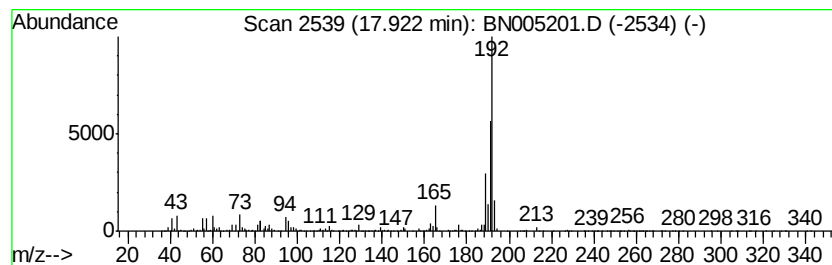
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	56.41 ng/ul	10763100	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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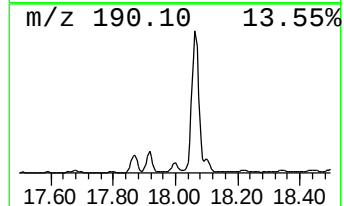
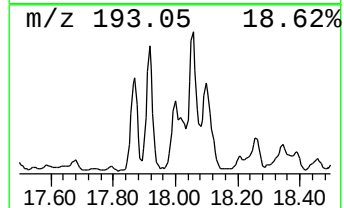
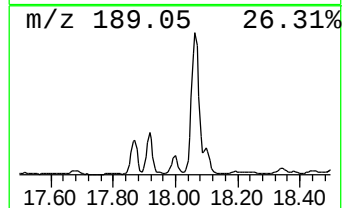
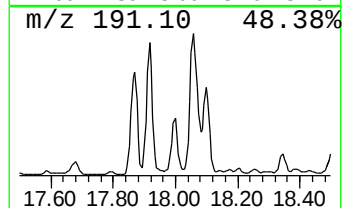
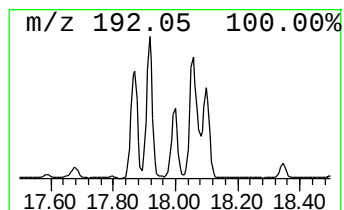
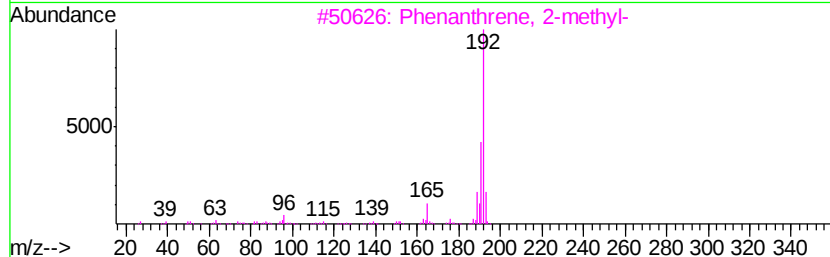
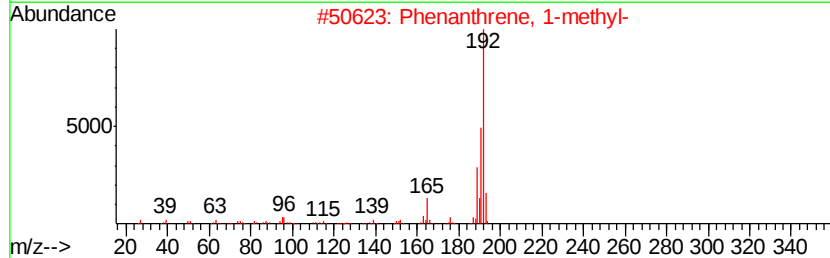
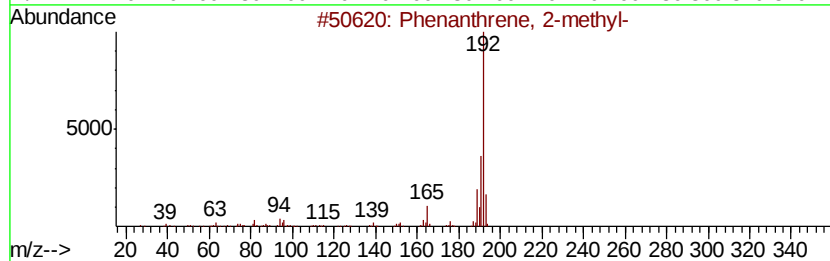
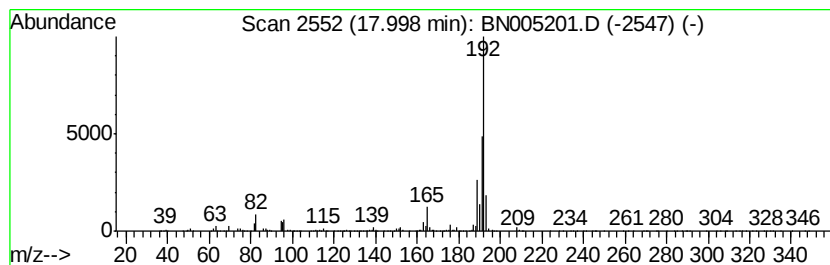
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 1H-Cyclopropa[1]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	21.48 ng/ul	4098790	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

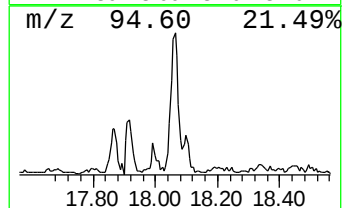
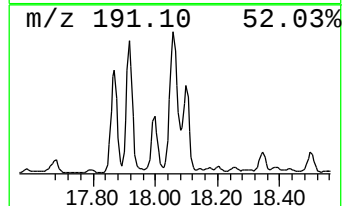
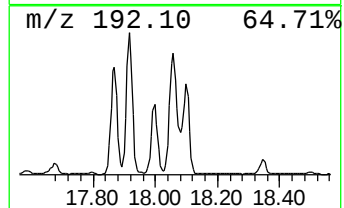
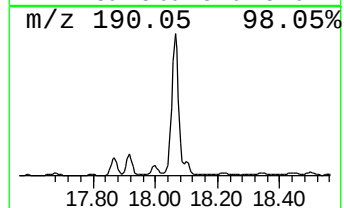
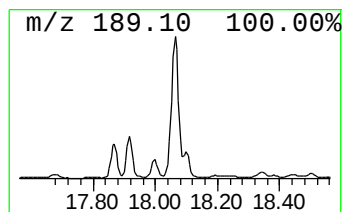
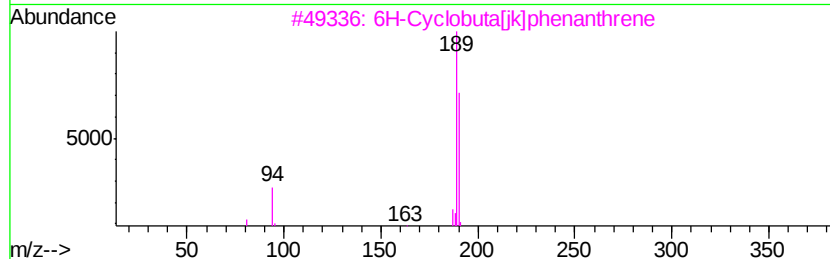
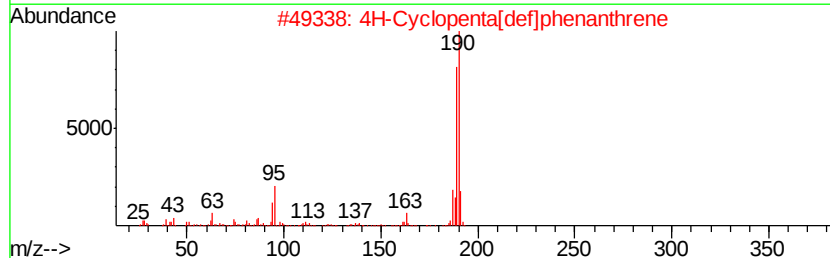
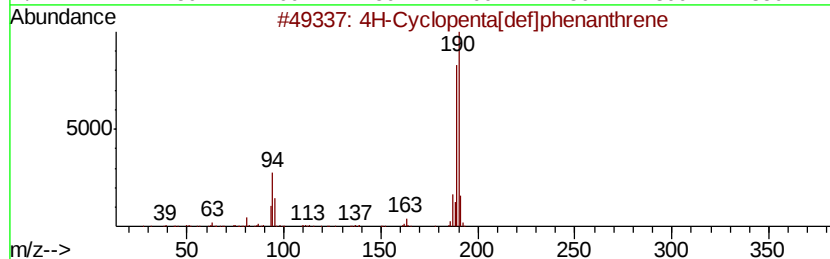
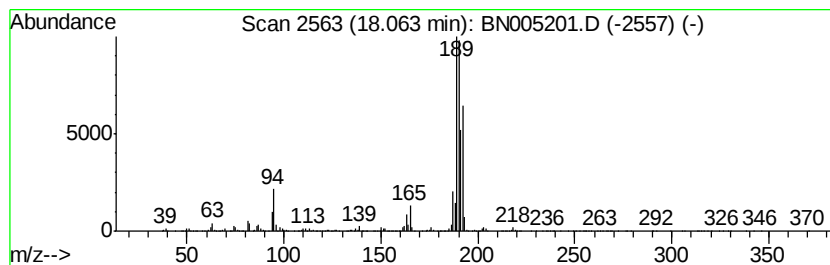
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.06	101.44 ng/ul	19356100	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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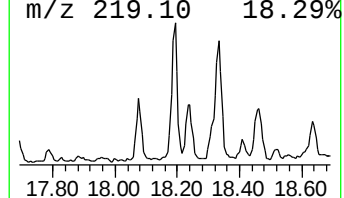
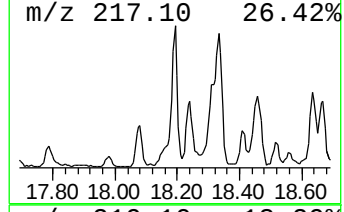
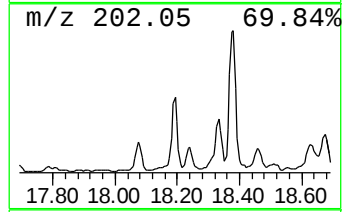
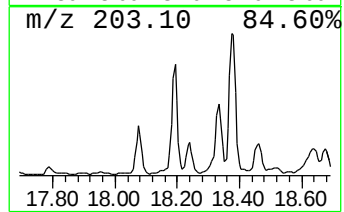
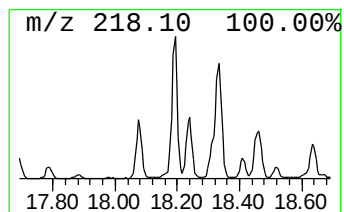
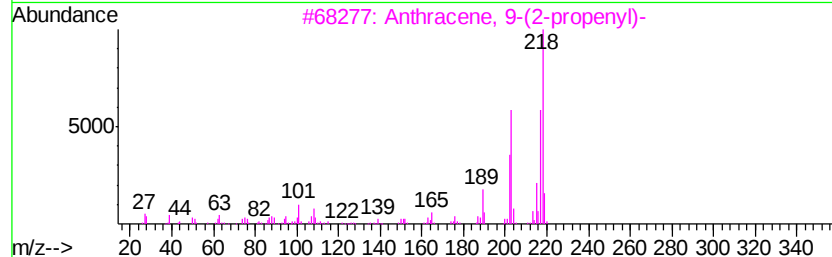
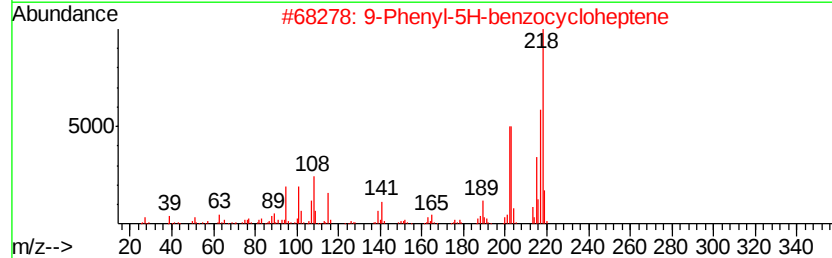
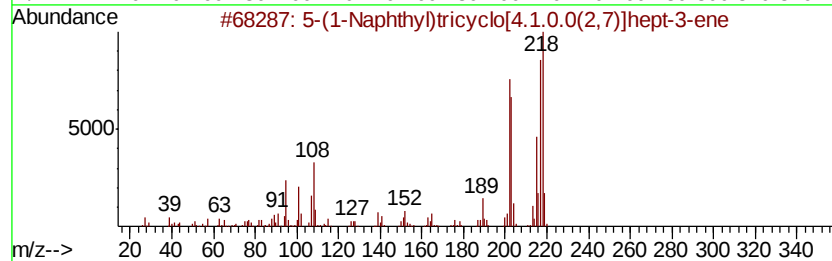
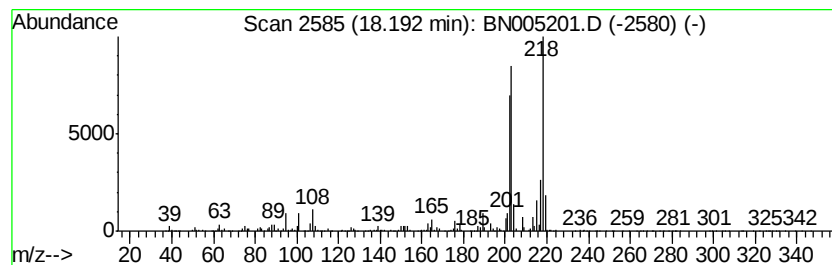
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 5-(1-Naphthyl)tricyclo[4.1.... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	11.46 ng/ul	2185990	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-(1-Naphthyl)tricyclo[4.1.0.0(2...]	218	C17H14	107729-05-5	64
2		9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	53
3		Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	53
4		Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	43
5		2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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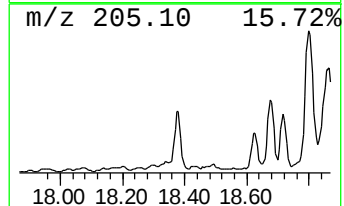
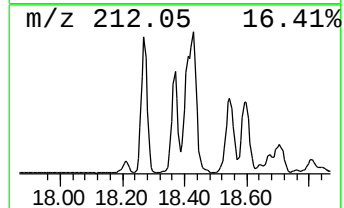
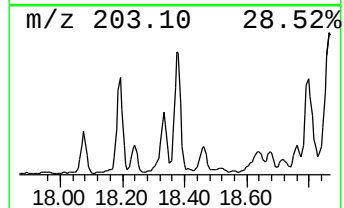
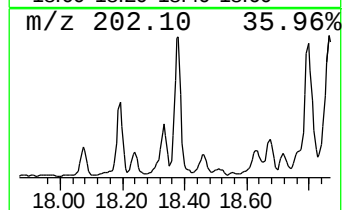
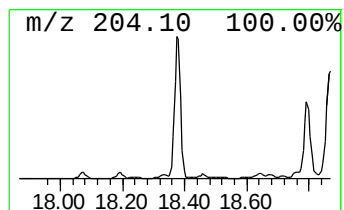
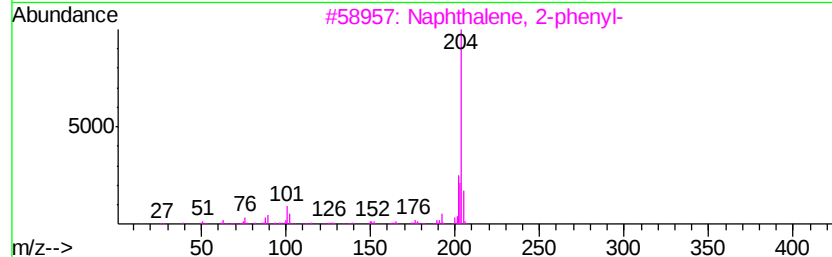
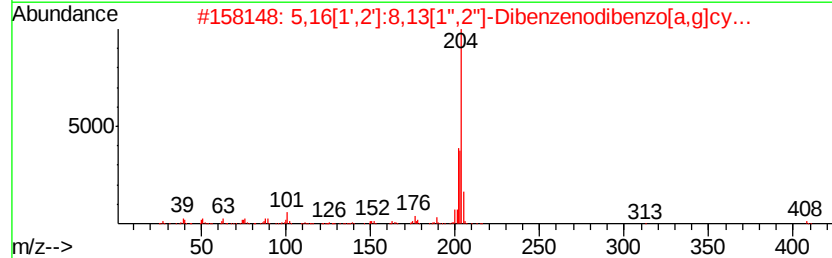
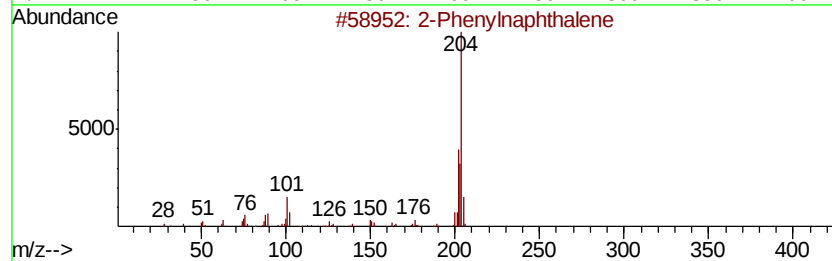
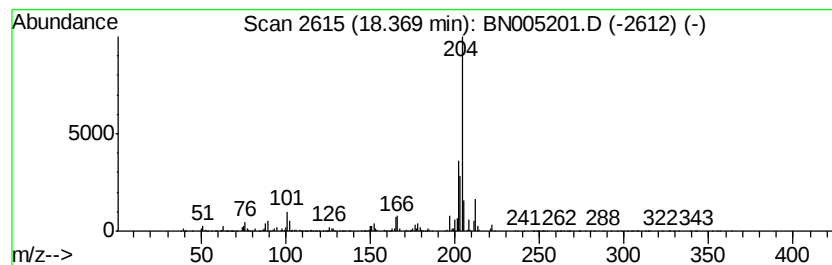
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 2-Phenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	22.96 ng/ul	4382110	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
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Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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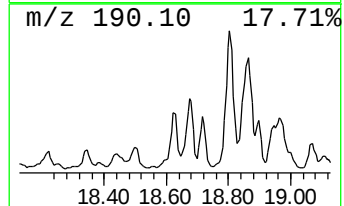
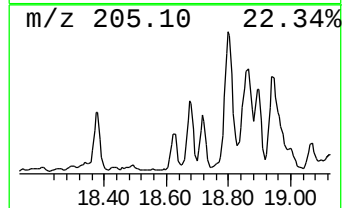
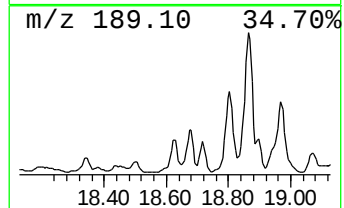
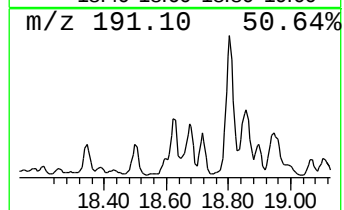
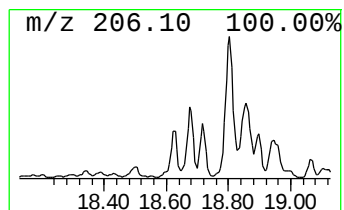
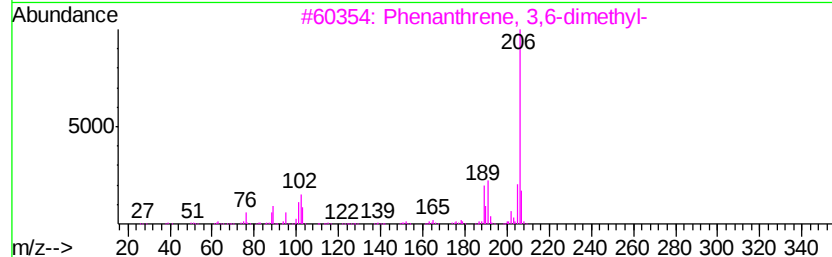
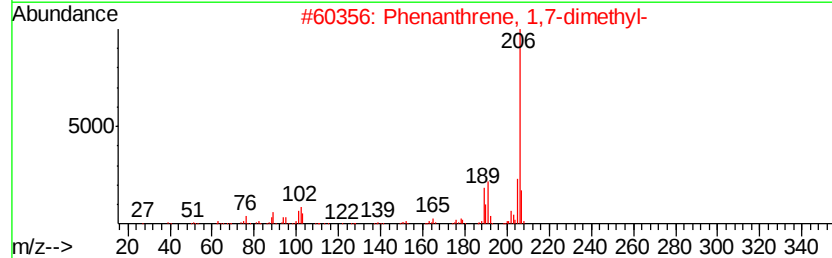
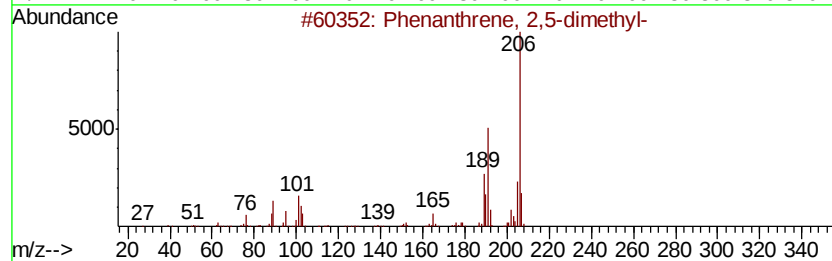
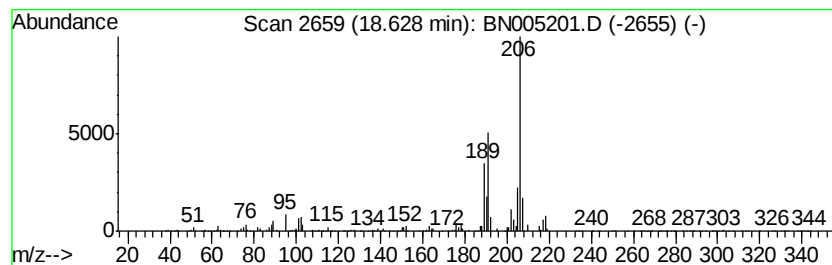
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 Phenanthrene, 2,5-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	12.62 ng/ul	2408280	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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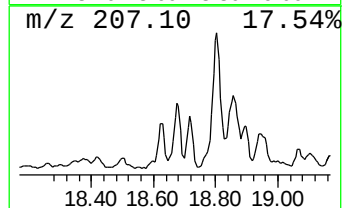
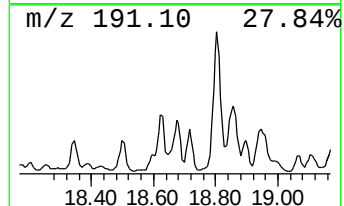
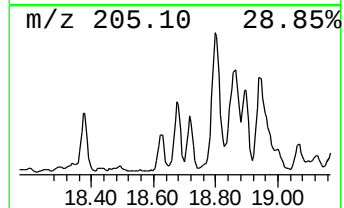
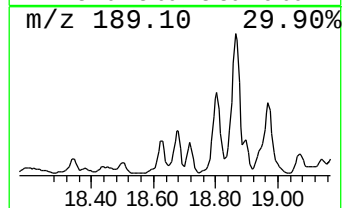
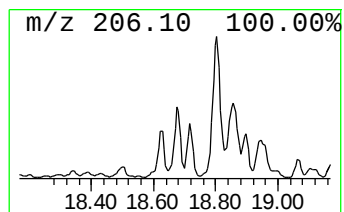
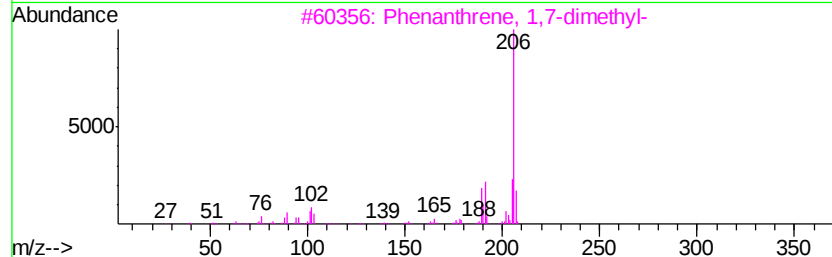
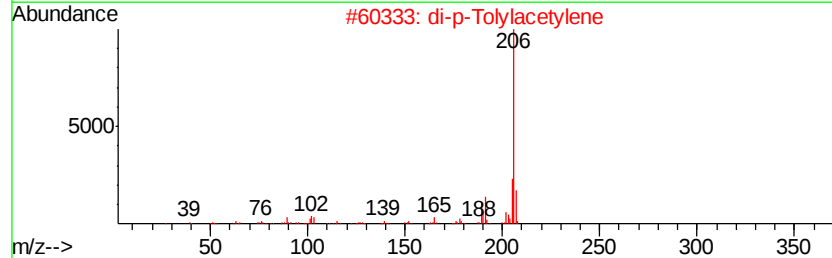
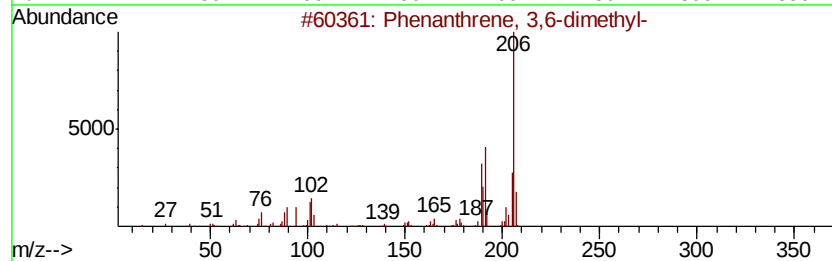
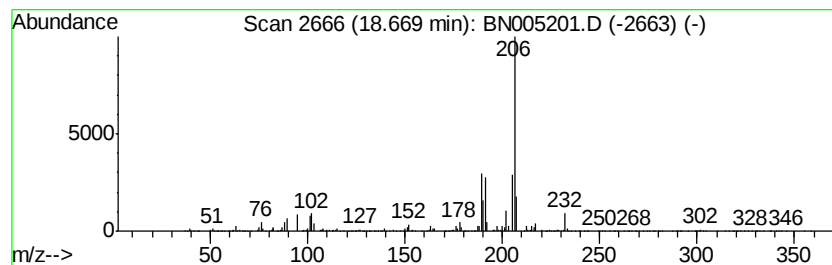
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	16.96 ng/ul	3236680	Phenanthrene-d10	16.99

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHH9

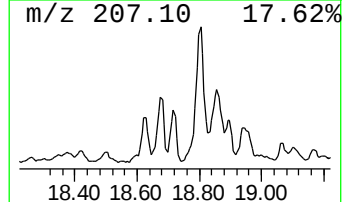
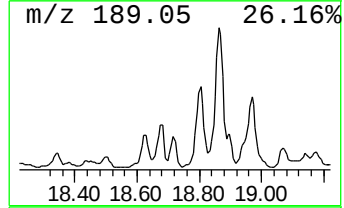
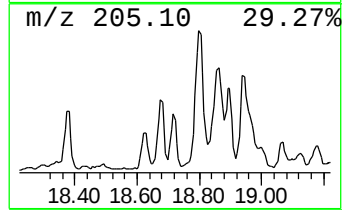
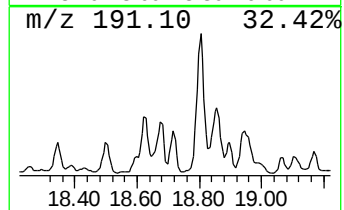
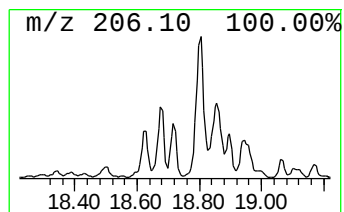
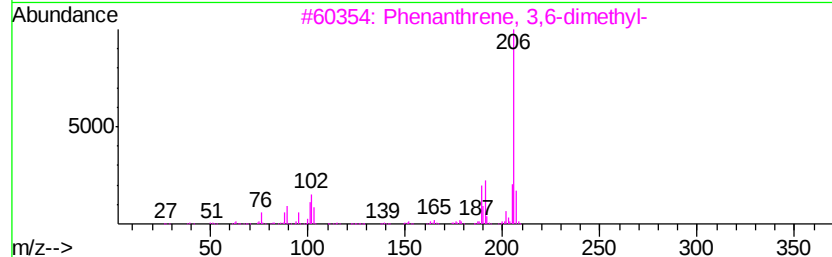
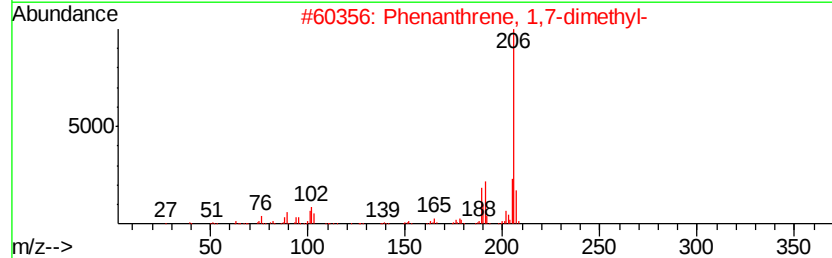
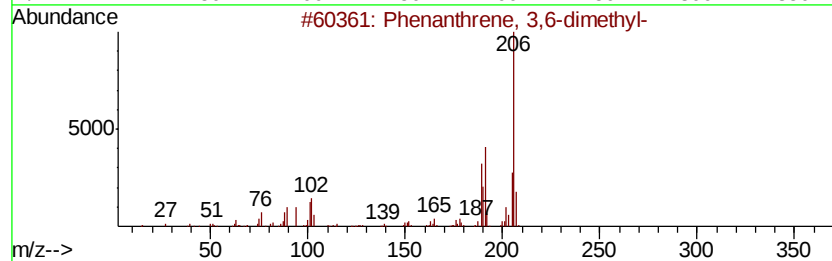
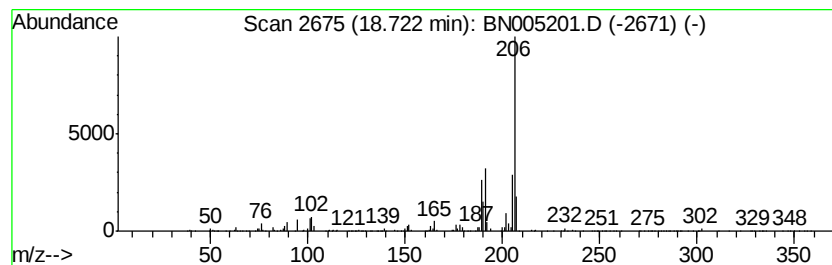
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Quant Title : SVOA CALIBRATION

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

Peak Number 27 Phenanthrene, 1,7-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	14.62 ng/ul	2789480	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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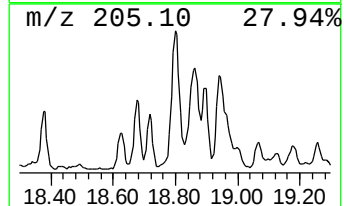
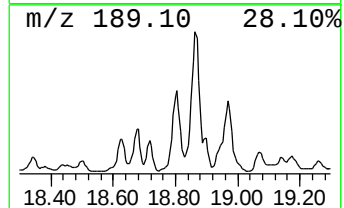
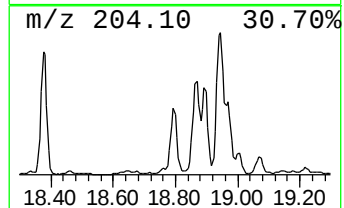
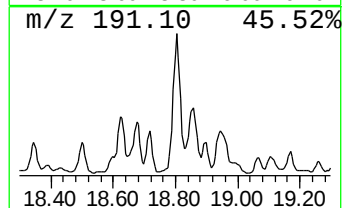
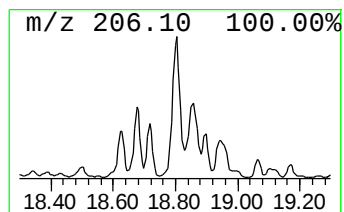
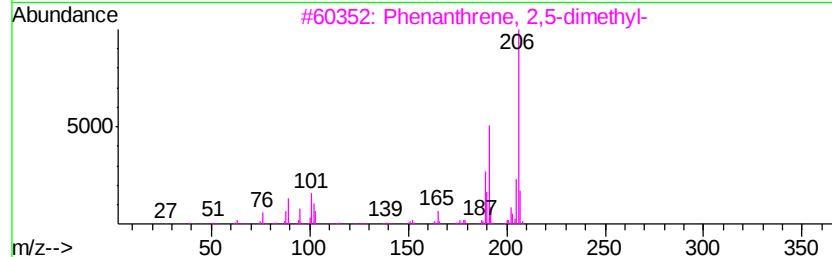
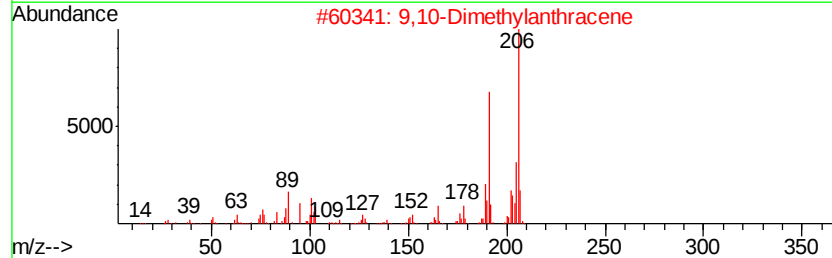
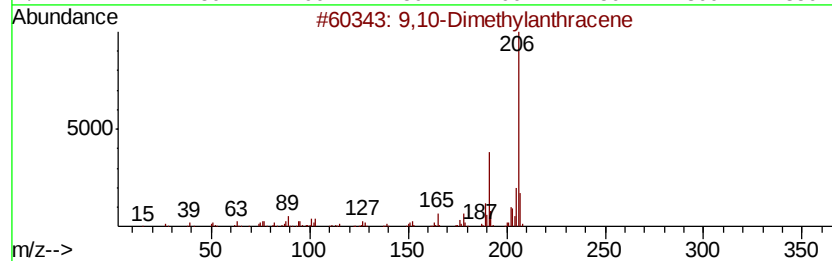
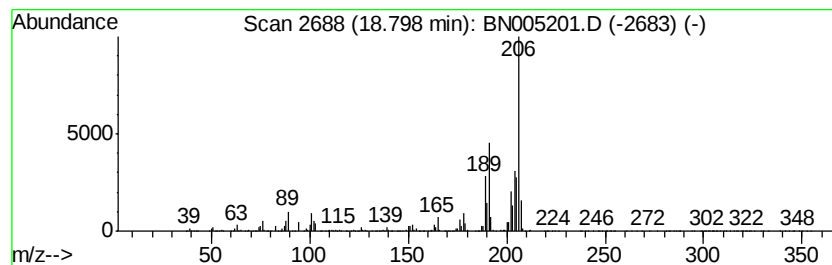
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 9,10-Dimethylantracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	60.97 ng/ul	11634200	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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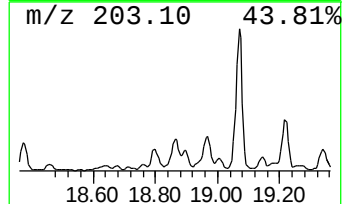
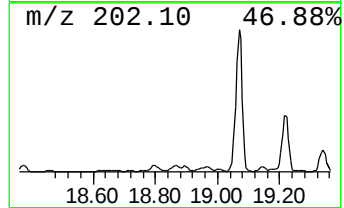
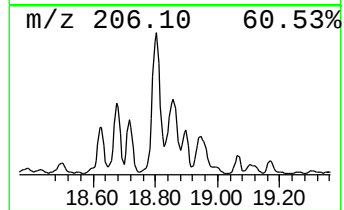
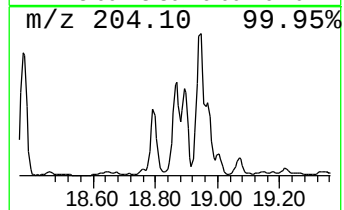
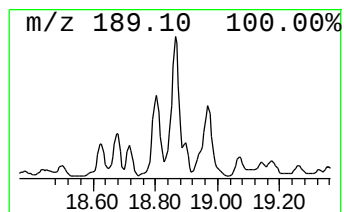
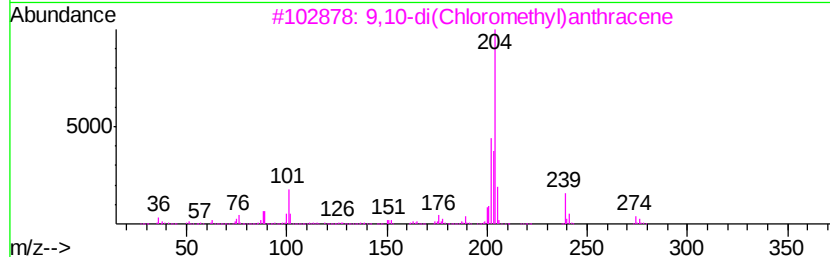
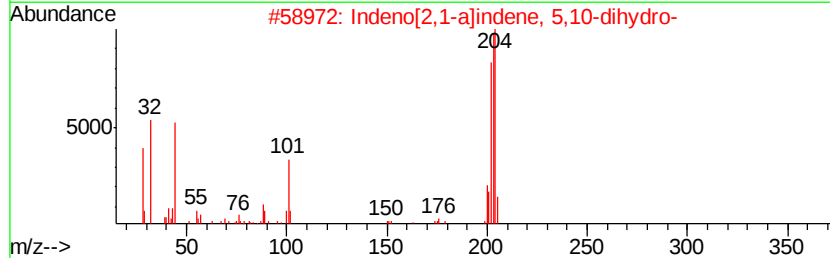
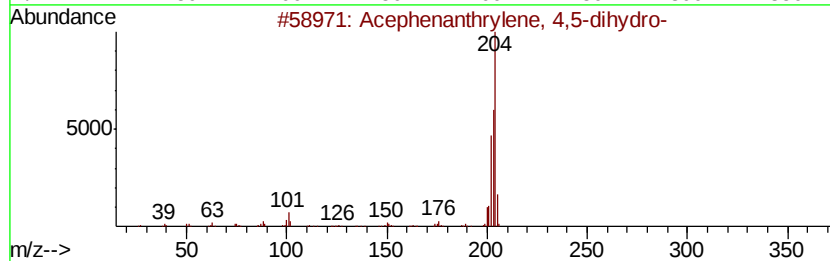
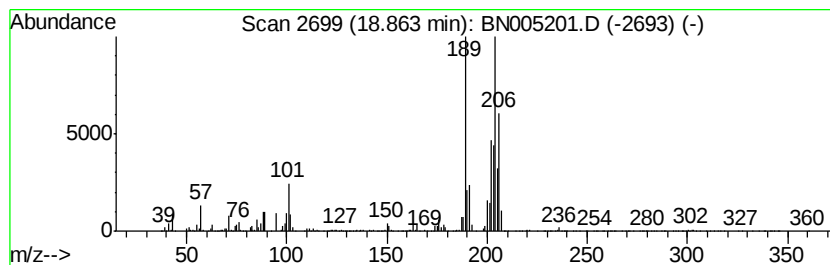
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Acephenanthrylene, 4,5-dihydro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	46.50 ng/ul	8872600	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	83
2		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
3		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

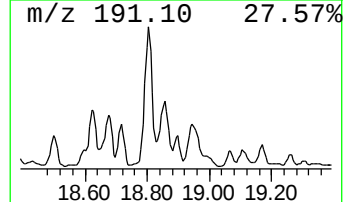
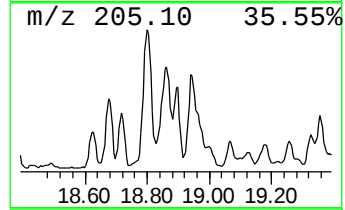
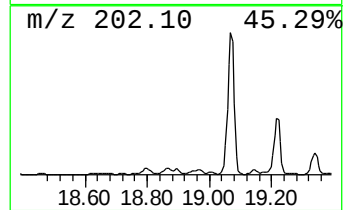
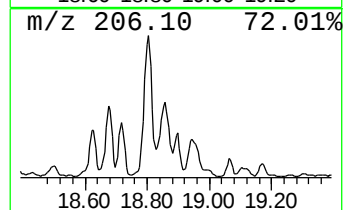
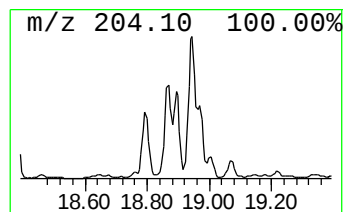
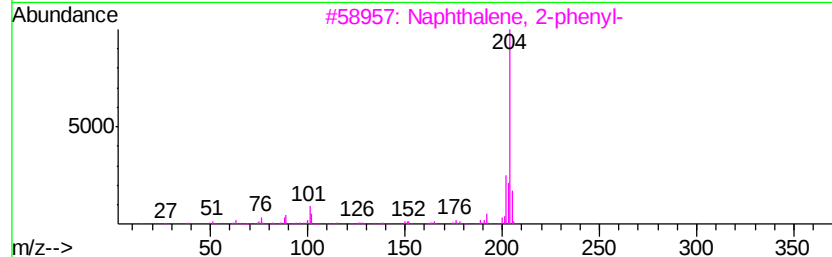
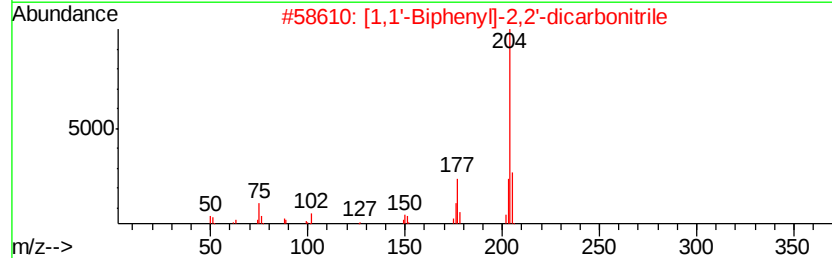
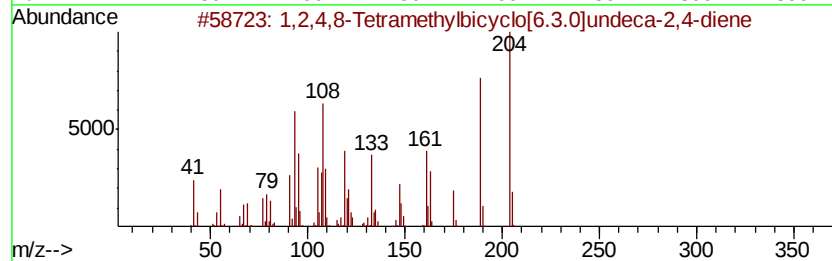
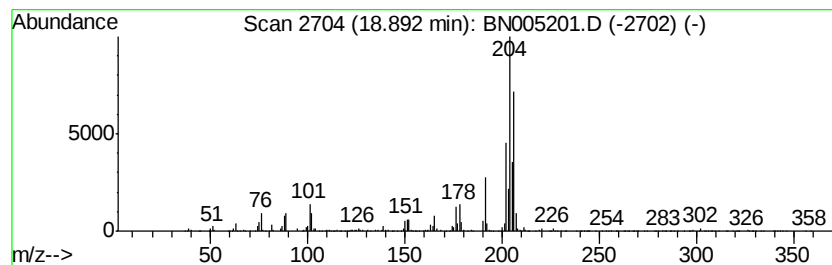
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.89	20.03 ng/ul	3822240	Phenanthrene-d10	16.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	78	
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46	
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45	
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	45	
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43	



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
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Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId :
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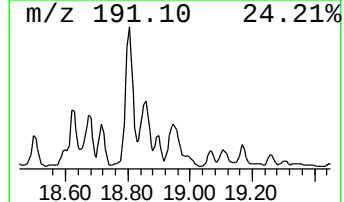
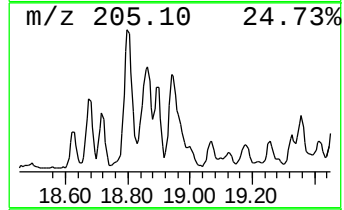
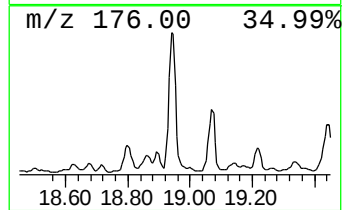
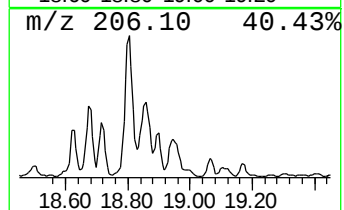
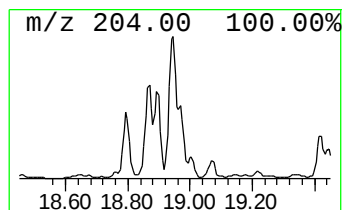
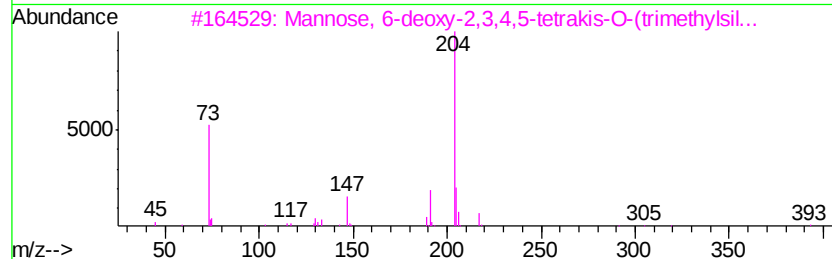
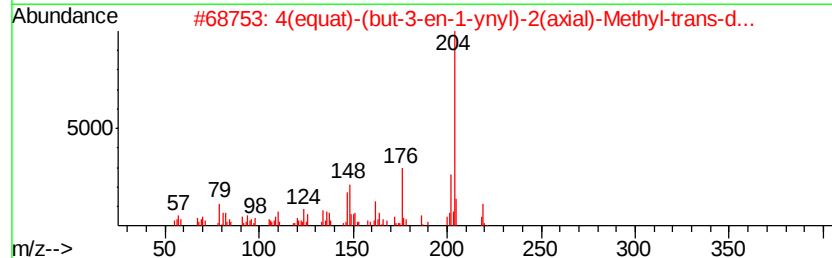
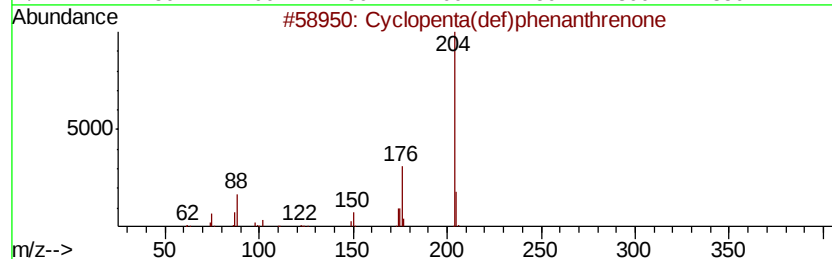
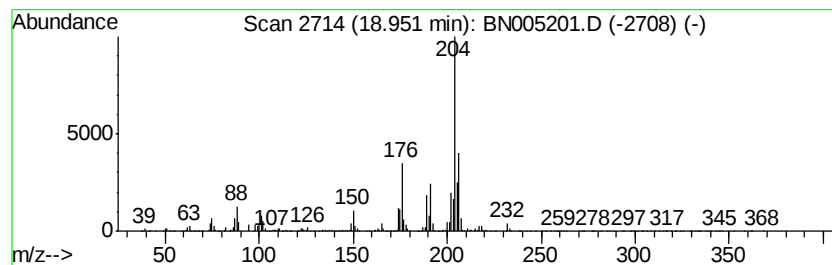
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	60.98 ng/ul	11636200	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	43
3		Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
4		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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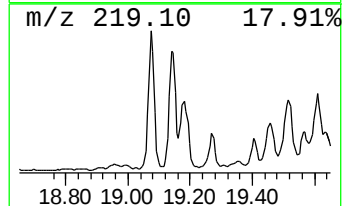
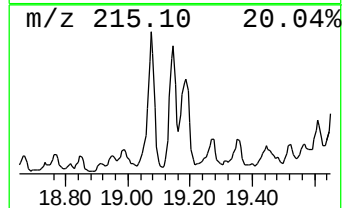
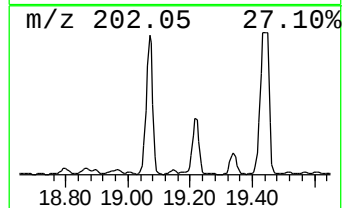
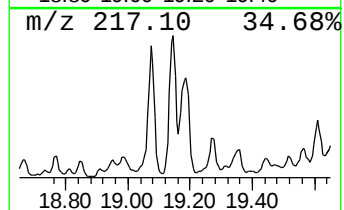
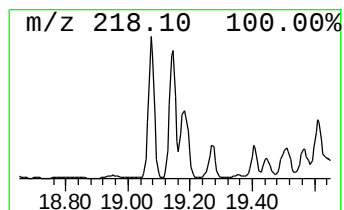
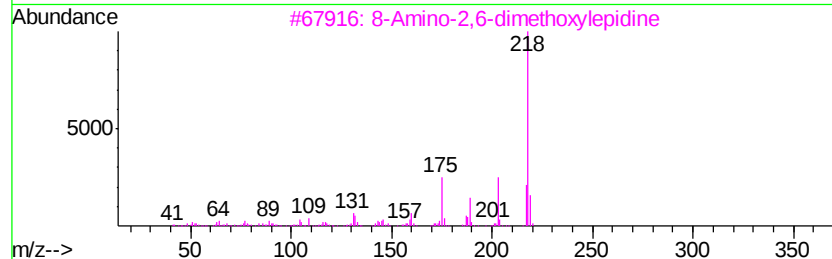
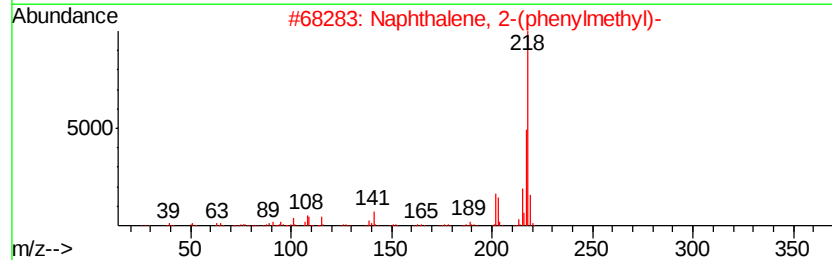
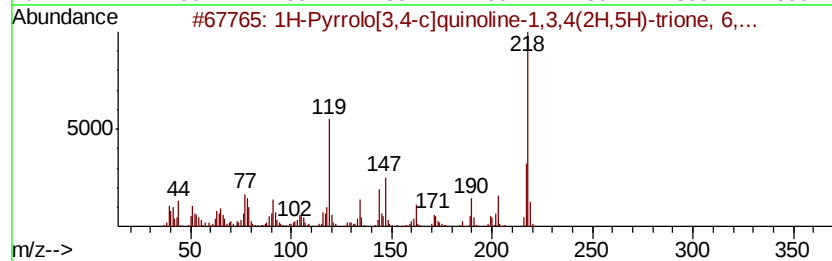
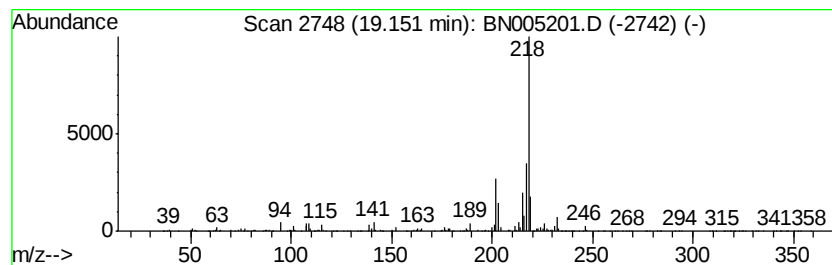
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 1H-Pyrrolo[3,4-c]quinoline-... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	3.00 ng/ul	5311730	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	59
2		Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	52
3		8-Amino-2,6-dimethoxypleidine	218	C12H14N2O2	074509-65-2	50
4		2,4-Diethoxyquinazoline	218	C12H14N2O2	000611-65-4	49
5		Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHH9

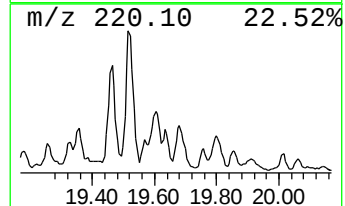
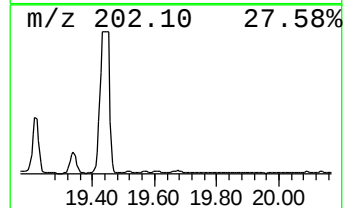
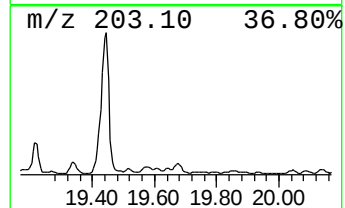
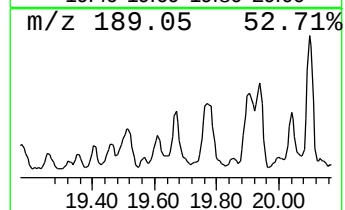
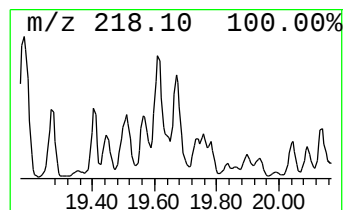
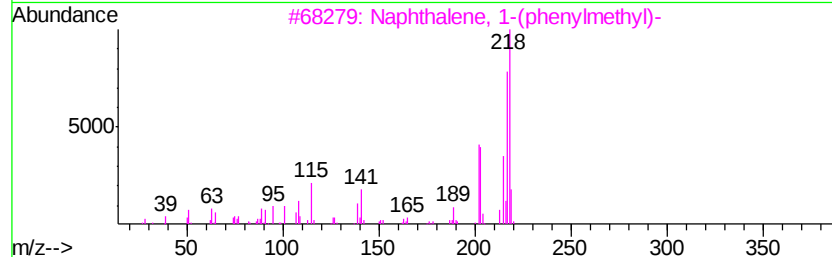
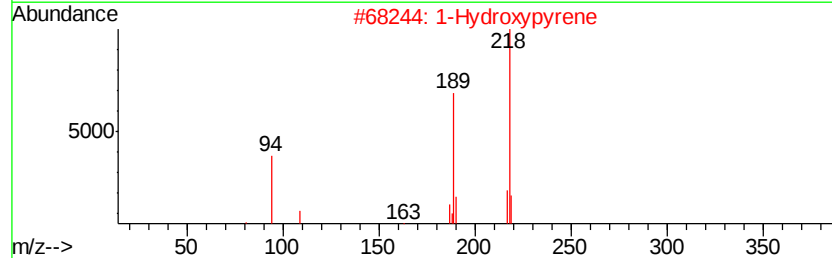
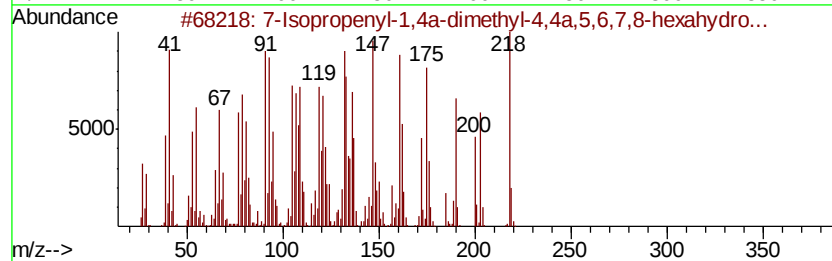
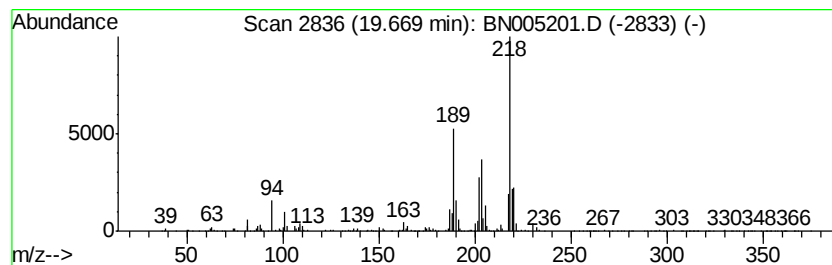
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.40 ng/ul	4235060	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	92
2		1-Hydroxypyrene	218	C16H10O	005315-79-7	50
3		Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	49
4		Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	47
5		9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAHH9

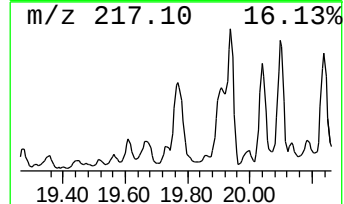
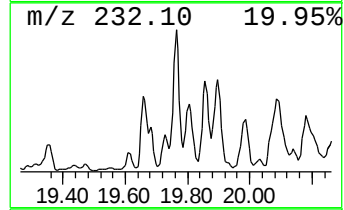
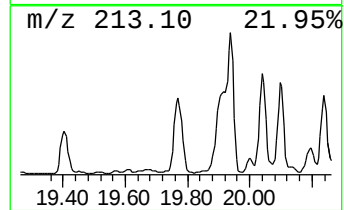
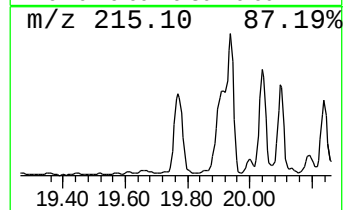
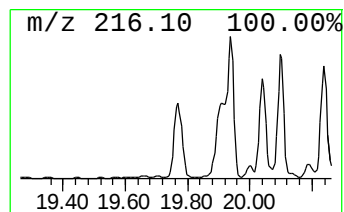
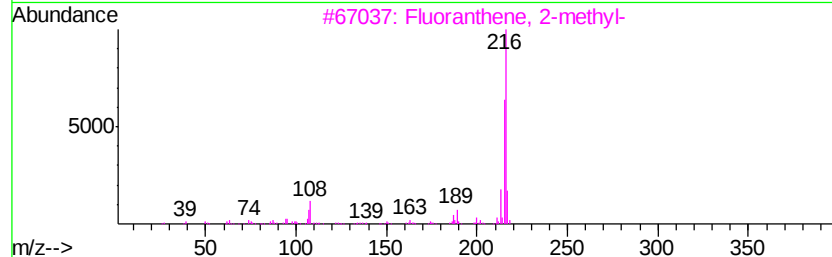
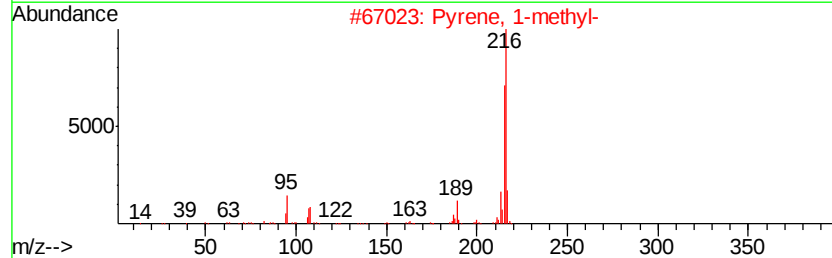
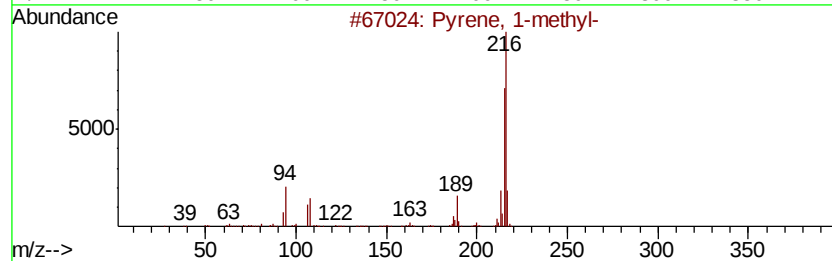
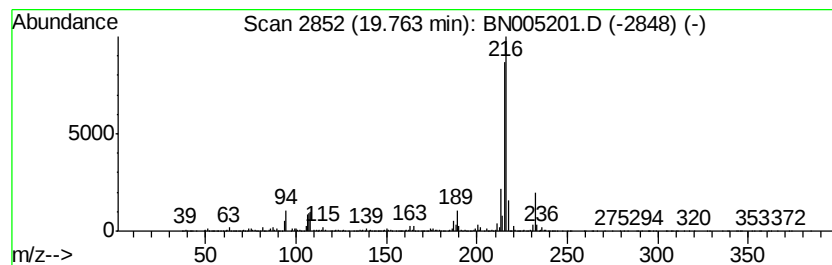
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 Pyrene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	7.75 ng/ul	13701300	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005201.D
Acq On : 23 Apr 2019 07:22
Operator : JU/SJ
Sample : K2402-07
Misc :
ALS Vial : 37 Sample Multiplier: 1

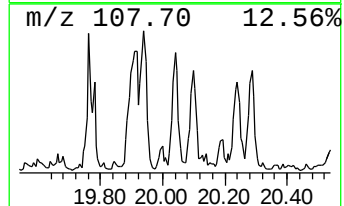
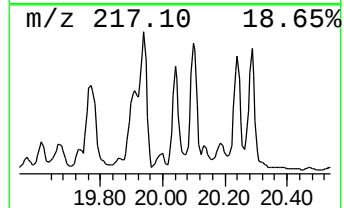
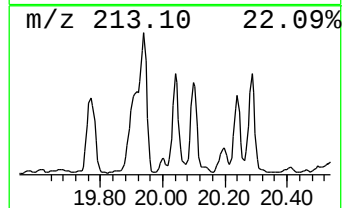
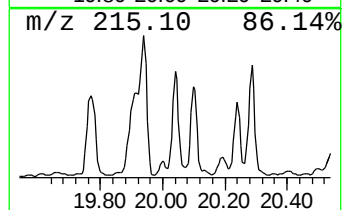
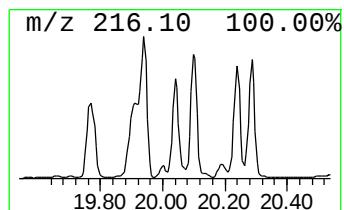
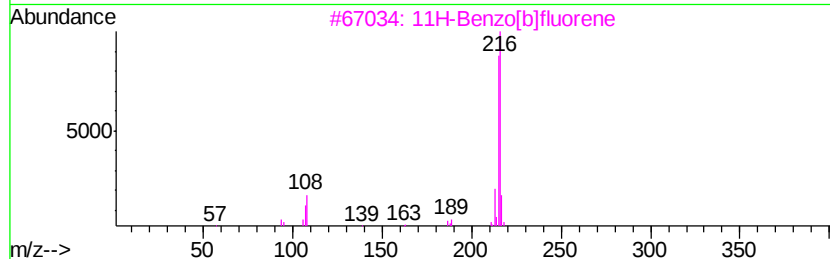
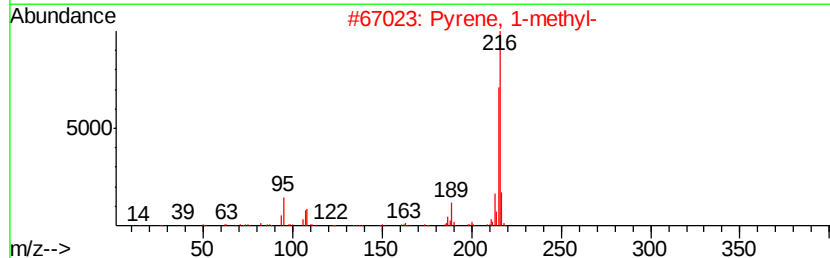
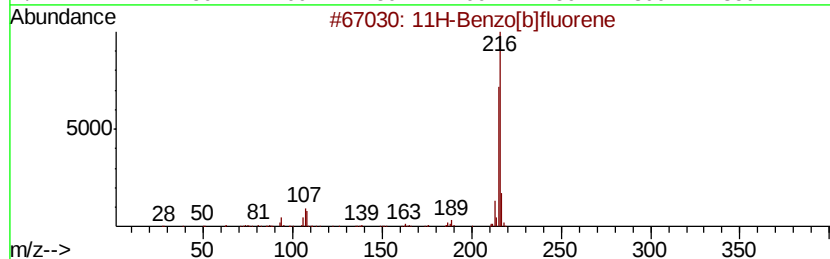
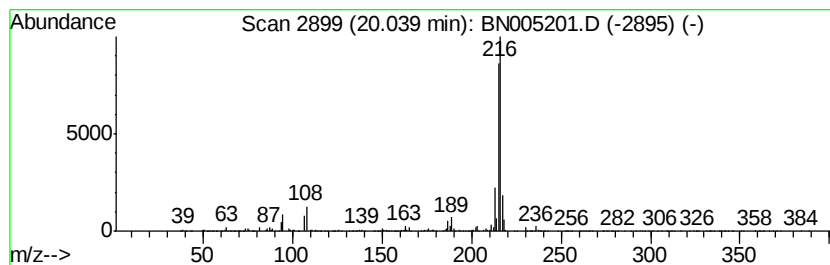
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 39 11H-Benzo[b]fluorene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	6.39 ng/ul	11297100	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
2		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
5		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
 Data File : BN005201.D
 Acq On : 23 Apr 2019 07:22
 Operator : JU/SJ
 Sample : K2402-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH9

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
(DEL) Alkane: Str...	11.81	14.6	ng/ul	2390280	2	10.36	3264460	20.0
1H-Indene, 1-ethy...	11.88	16.4	ng/ul	2680500	2	10.36	3264460	20.0
Naphthalene, 1-me...	12.25	18.1	ng/ul	2945380	2	10.36	3264460	20.0
Naphthalene, 1,7-...	13.39	17.0	ng/ul	3032450	3	14.23	3561470	20.0
Naphthalene, 2,3-...	13.55	15.0	ng/ul	2674560	3	14.23	3561470	20.0
(DEL) Alkane: Str...	14.16	23.6	ng/ul	4197870	3	14.23	3561470	20.0
Naphthalene, 2,3,...	14.72	13.4	ng/ul	2394630	3	14.23	3561470	20.0
1,1'-Biphenyl, 2-...	14.85	26.8	ng/ul	4771430	3	14.23	3561470	20.0
(DEL) Alkane: Str...	15.12	27.6	ng/ul	4907210	3	14.23	3561470	20.0
(DEL) Alkane: Str...	15.99	24.4	ng/ul	4665530	4	16.99	3816350	20.0
9H-Fluorene, 1-me...	16.29	17.4	ng/ul	3317380	4	16.99	3816350	20.0
3-Buten-2-one, 4-...	16.35	16.1	ng/ul	3075680	4	16.99	3816350	20.0
(DEL) Alkane: Str...	16.78	11.7	ng/ul	2226800	4	16.99	3816350	20.0
9H-Fluorene, 2,3-...	17.19	17.8	ng/ul	3400640	4	16.99	3816350	20.0
Anthracene, 9-eth...	17.52	19.2	ng/ul	3671690	4	16.99	3816350	20.0
Pyrazolo[3,4-d]py...	17.69	17.8	ng/ul	3388120	4	16.99	3816350	20.0
Phenanthrene, 2-m...	17.87	37.8	ng/ul	7209920	4	16.99	3816350	20.0
Phenanthrene, 1-m...	17.92	56.4	ng/ul	10763100	4	16.99	3816350	20.0
1H-Cyclopropa[1]p...	18.00	21.5	ng/ul	4098790	4	16.99	3816350	20.0
4H-Cyclopenta[def...	18.06	101.4	ng/ul	19356100	4	16.99	3816350	20.0
5-(1-Naphthyl)tri...	18.19	11.5	ng/ul	2185990	4	16.99	3816350	20.0
2-Phenyl naphthalene	18.37	23.0	ng/ul	4382110	4	16.99	3816350	20.0
Phenanthrene, 2,5...	18.63	12.6	ng/ul	2408280	4	16.99	3816350	20.0
Phenanthrene, 3,6...	18.67	17.0	ng/ul	3236680	4	16.99	3816350	20.0
Phenanthrene, 1,7...	18.72	14.6	ng/ul	2789480	4	16.99	3816350	20.0
9,10-Dimethylanthe...	18.80	61.0	ng/ul	11634200	4	16.99	3816350	20.0
Acephenanthrylene...	18.86	46.5	ng/ul	8872600	4	16.99	3816350	20.0
1,2,4,8-Tetrameth...	18.89	20.0	ng/ul	3822240	4	16.99	3816350	20.0
Cyclopenta(def)ph...	18.95	61.0	ng/ul	11636200	4	16.99	3816350	20.0
1H-Pyrrolo[3,4-c]...	19.15	3.0	ng/ul	5311730	5	21.23	35362400	20.0
7-Isopropenyl-1,4...	19.67	2.4	ng/ul	4235060	5	21.23	35362400	20.0
Pyrene, 1-methyl-	19.76	7.8	ng/ul	13701300	5	21.23	35362400	20.0
11H-Benzo[b]fluorene	20.04	6.4	ng/ul	11297100	5	21.23	35362400	20.0