

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
 Data File : BN000648.D
 Acq On : 27 Mar 2018 15:54
 Operator : JU/SJ
 Sample : J2060-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS7

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:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.584	21	25	33	rVB	35865	53725	1.30%	0.089%
2	5.402	325	334	342	rVB2	66965	113219	2.73%	0.187%
3	7.549	692	699	711	rBV	576204	1024463	24.74%	1.688%
4	7.713	720	727	735	rVB	535411	831221	20.07%	1.370%
5	7.931	757	764	772	rBV	613494	1000066	24.15%	1.648%
6	8.407	838	845	856	rVB	596430	959849	23.18%	1.581%
7	9.119	959	966	975	rBV	770309	1281252	30.94%	2.111%
8	9.590	1037	1046	1054	rBV	587766	987622	23.85%	1.627%
9	10.319	1162	1170	1181	rBV	485579	821739	19.84%	1.354%
10	10.866	1256	1263	1276	rBV	737149	1251182	30.21%	2.061%
11	11.248	1319	1328	1334	rBV	843352	1458239	35.21%	2.403%
12	11.296	1334	1336	1342	rVB	37519	50462	1.22%	0.083%
13	11.372	1342	1349	1363	rBV	713090	1271338	30.70%	2.095%
14	13.095	1636	1642	1650	rVB	37482	55603	1.34%	0.092%
15	14.201	1824	1830	1836	rVB2	21214	51680	1.25%	0.085%
16	14.348	1848	1855	1860	rBV3	42073	78721	1.90%	0.130%
17	14.413	1860	1866	1871	rVV	1443666	2015997	48.68%	3.322%
18	14.460	1871	1874	1879	rVV	333641	441995	10.67%	0.728%
19	14.584	1889	1895	1898	rBV	31202	42097	1.02%	0.069%
20	14.725	1913	1919	1929	rVB	1590480	2438688	58.89%	4.018%
21	14.878	1940	1945	1953	rVB	79155	103451	2.50%	0.170%
22	15.025	1965	1970	1976	rVV2	1224650	1904838	46.00%	3.138%
23	15.089	1976	1981	1987	rVB	207574	304542	7.35%	0.502%
24	15.219	1997	2003	2016	rBV	390071	718751	17.36%	1.184%
25	15.419	2032	2037	2044	rVB	137406	207707	5.02%	0.342%
26	15.484	2044	2048	2057	rVB3	29891	47670	1.15%	0.079%
27	15.819	2100	2105	2111	rVB	103586	146332	3.53%	0.241%
28	16.007	2131	2137	2143	rVV	1969542	2874180	69.41%	4.736%
29	16.066	2143	2147	2152	rVB	225761	329015	7.94%	0.542%
30	16.125	2152	2157	2165	rBV	501538	727037	17.56%	1.198%
31	16.189	2165	2168	2170	rVV	25617	40769	0.98%	0.067%
32	16.225	2170	2174	2185	rVB4	51433	118465	2.86%	0.195%
33	16.348	2192	2195	2204	rVB2	45592	74268	1.79%	0.122%
34	16.495	2215	2220	2228	rBV	57338	104656	2.53%	0.172%

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Integration Parameters: LSCINT.P

Integrator: RTE
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35	16.672	2245	2250	2259	rBV	85603	147135	3.55%	0.242%
36	17.054	2311	2315	2320	rVV3	36576	61437	1.48%	0.101%
37	17.460	2380	2384	2388	rBV2	55066	86223	2.08%	0.142%
38	17.501	2388	2391	2395	rVV2	32438	51546	1.24%	0.085%
39	17.572	2399	2403	2408	rVB	79300	108012	2.61%	0.178%
40	17.754	2427	2434	2437	rBV	1555890	2270167	54.82%	3.740%
41	17.795	2437	2441	2446	rVV	1394907	1973164	47.65%	3.251%
42	17.854	2446	2451	2455	rVV	2112773	3229130	77.98%	5.320%
43	17.883	2455	2456	2464	rVV	393503	378981	9.15%	0.624%
44	18.148	2490	2501	2506	rBV	204484	326939	7.89%	0.539%
45	18.613	2571	2580	2584	rVV	168727	321975	7.77%	0.530%
46	18.660	2584	2588	2597	rVV	214523	344491	8.32%	0.568%
47	18.742	2597	2602	2607	rVV	85926	134266	3.24%	0.221%
48	18.813	2607	2614	2617	rVV3	181522	347042	8.38%	0.572%
49	18.842	2617	2619	2626	rVV	95625	124618	3.01%	0.205%
50	18.954	2633	2638	2642	rVV3	34759	58479	1.41%	0.096%
51	19.095	2657	2662	2667	rVV	101941	142044	3.43%	0.234%
52	19.507	2725	2732	2736	rBV	55150	99223	2.40%	0.163%
53	19.572	2736	2743	2746	rBV7	22331	45426	1.10%	0.075%
54	19.648	2751	2756	2763	rBV7	27102	56342	1.36%	0.093%
55	19.777	2765	2778	2783	rBV	1830201	2533141	61.17%	4.174%
56	19.866	2789	2793	2799	rVB3	35536	57783	1.40%	0.095%
57	20.001	2811	2816	2817	rVV2	44757	59510	1.44%	0.098%
58	20.019	2817	2819	2823	rVV	52326	63713	1.54%	0.105%
59	20.107	2827	2834	2837	rBV	2597059	3999831	96.59%	6.590%
60	20.136	2837	2839	2846	rVV	1498174	1707506	41.23%	2.813%
61	20.195	2846	2849	2855	rVB	89585	116759	2.82%	0.192%
62	20.307	2863	2868	2872	rVB	111210	150393	3.63%	0.248%
63	20.377	2872	2880	2885	rBV2	35983	78724	1.90%	0.130%
64	20.448	2885	2892	2898	rBV4	100961	233342	5.63%	0.384%
65	20.507	2898	2902	2906	rVB	37917	44688	1.08%	0.074%
66	20.613	2907	2920	2928	rBV2	246988	543597	13.13%	0.896%
67	20.713	2932	2937	2941	rBV2	207251	271598	6.56%	0.447%
68	20.772	2941	2947	2951	rVV2	112912	210977	5.09%	0.348%
69	20.807	2951	2953	2956	rVB	47775	45122	1.09%	0.074%
70	20.842	2957	2959	2964	rVB3	32627	43462	1.05%	0.072%
71	20.913	2966	2971	2974	rBV	81227	110062	2.66%	0.181%

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72	20.966	2974	2980	2989	rVB3	156241	281341	6.79%	0.464%
73	21.195	3015	3019	3021	rBV3	33225	45428	1.10%	0.075%
74	21.230	3022	3025	3034	rVB3	42306	83780	2.02%	0.138%
75	21.307	3035	3038	3042	rBV3	34129	52355	1.26%	0.086%
76	21.354	3042	3046	3051	rVB	73040	104361	2.52%	0.172%
77	21.519	3070	3074	3077	rBV	148815	200619	4.84%	0.331%
78	21.554	3077	3080	3084	rVB	140291	168997	4.08%	0.278%
79	21.601	3084	3088	3092	rBV2	145154	215166	5.20%	0.355%
80	21.871	3124	3134	3139	rBV2	1930359	4141171	100.00%	6.823%
81	21.913	3139	3141	3149	rVB	877612	1055868	25.50%	1.740%
82	22.042	3159	3163	3170	rBV	87631	138373	3.34%	0.228%
83	22.213	3187	3192	3197	rBV2	147567	220303	5.32%	0.363%
84	22.466	3228	3235	3240	rVB2	115418	235938	5.70%	0.389%
85	22.524	3241	3245	3251	rVB	74078	116883	2.82%	0.193%
86	22.589	3253	3256	3260	rBV2	39790	48845	1.18%	0.080%
87	22.683	3269	3272	3277	rBV3	51408	97064	2.34%	0.160%
88	22.789	3286	3290	3295	rVB	61123	90799	2.19%	0.150%
89	22.948	3314	3317	3321	rVB	58903	72629	1.75%	0.120%
90	23.095	3338	3342	3348	rVB	134405	201491	4.87%	0.332%
91	23.507	3408	3412	3419	rVB2	114555	199462	4.82%	0.329%
92	23.601	3421	3428	3433	rBV	508496	1313452	31.72%	2.164%
93	23.789	3455	3460	3466	rVB2	103544	181956	4.39%	0.300%
94	24.136	3513	3519	3523	rBV	360054	704078	17.00%	1.160%
95	24.195	3523	3529	3534	rVV2	1255374	2589469	62.53%	4.266%
96	24.242	3534	3537	3545	rVB	418256	776395	18.75%	1.279%
97	24.354	3548	3556	3562	rBV2	928780	1947763	47.03%	3.209%
98	24.860	3637	3642	3654	rVB2	103573	257330	6.21%	0.424%
99	25.695	3780	3784	3792	rVB2	84003	184077	4.45%	0.303%
100	26.901	3982	3989	4001	rVB	149997	460443	11.12%	0.759%

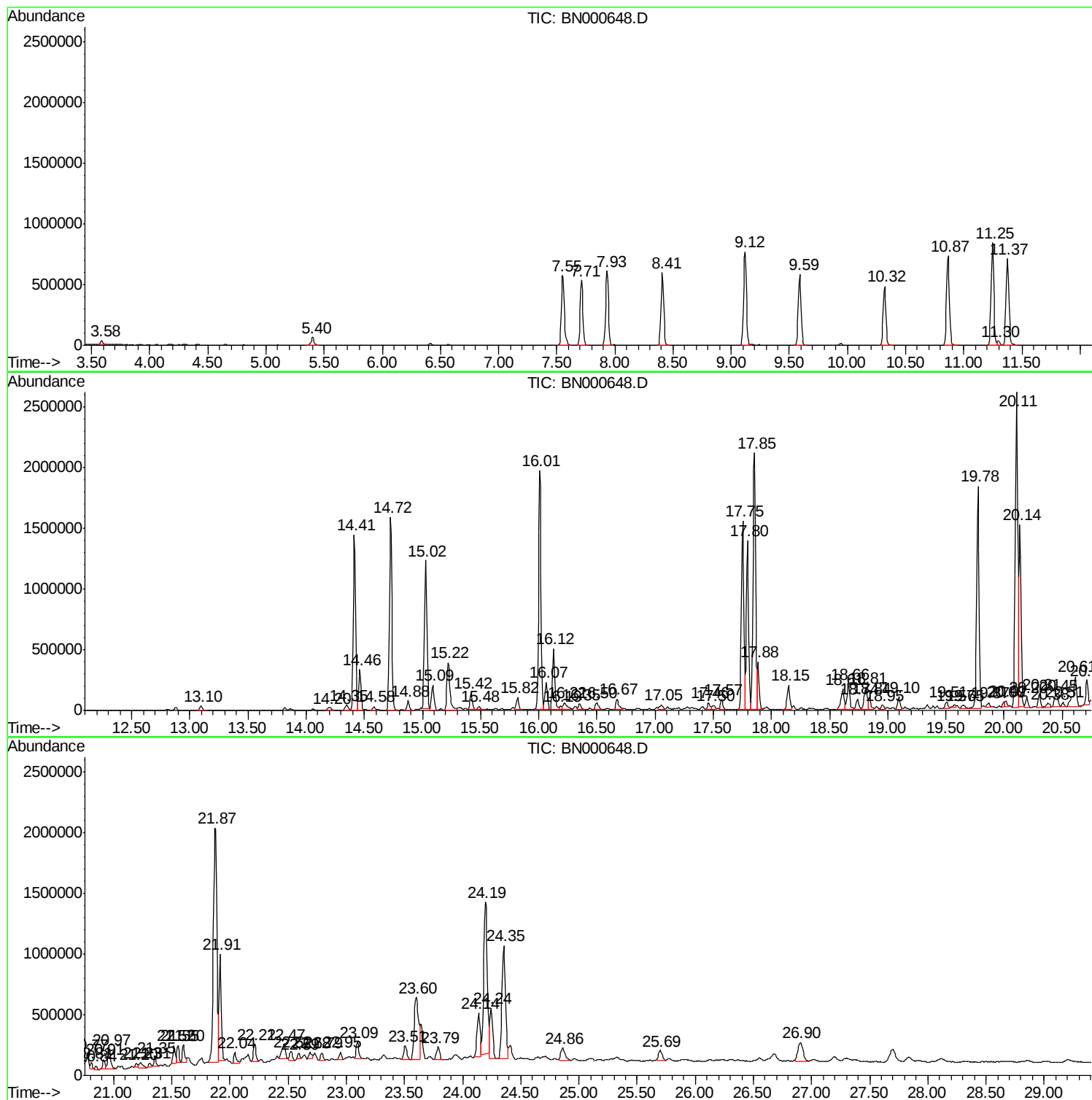
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Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

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



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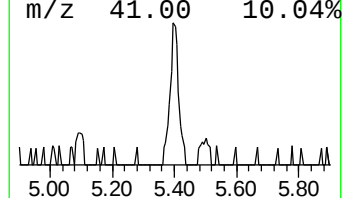
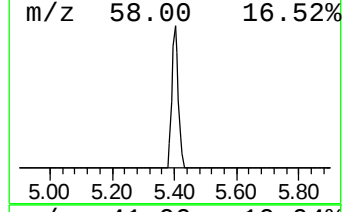
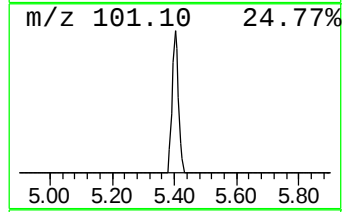
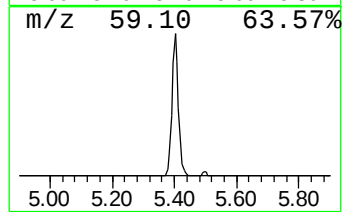
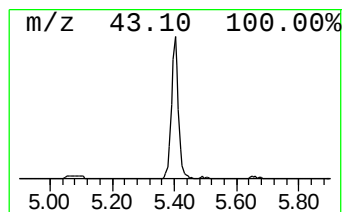
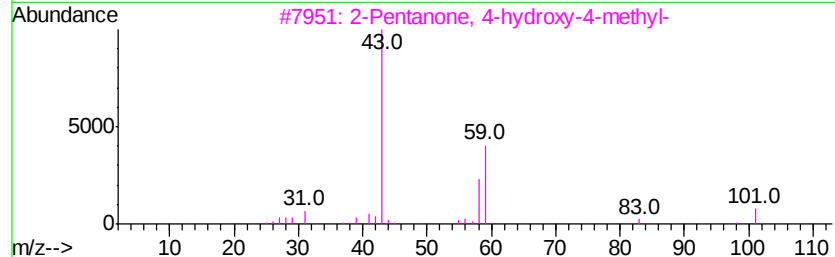
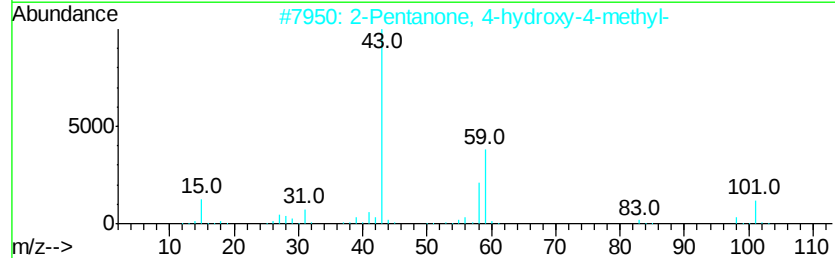
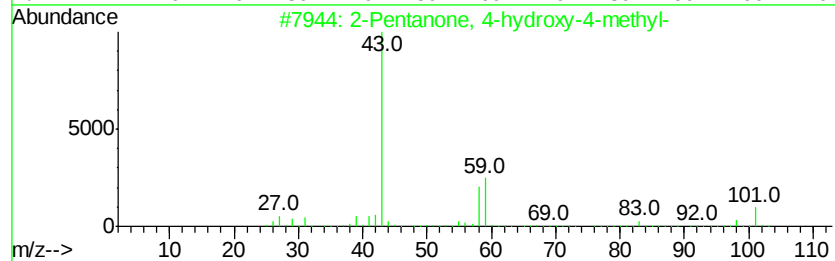
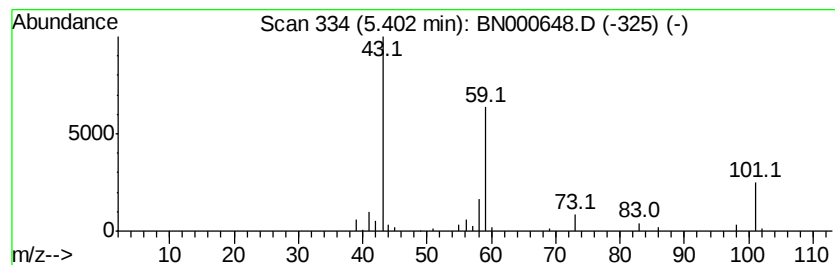
Instrument :
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Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.40	2.36 ng/ul	113219	1,4-Dichlorobenzene-d4	8.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53	
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47	
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45	
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38	
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	28	



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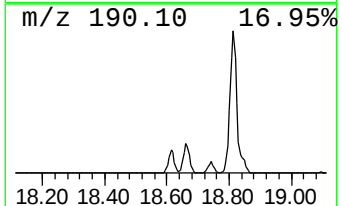
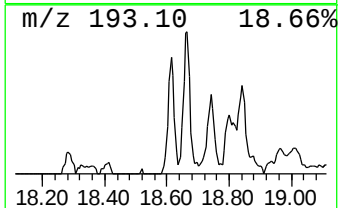
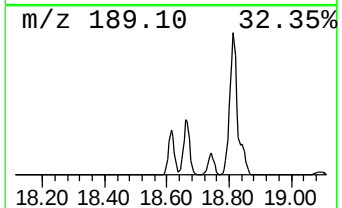
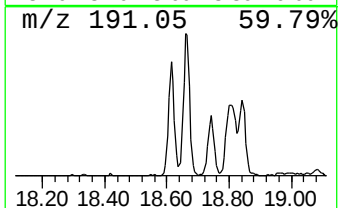
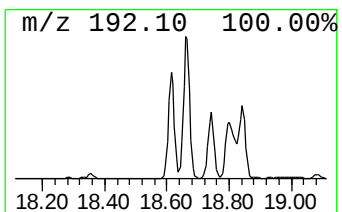
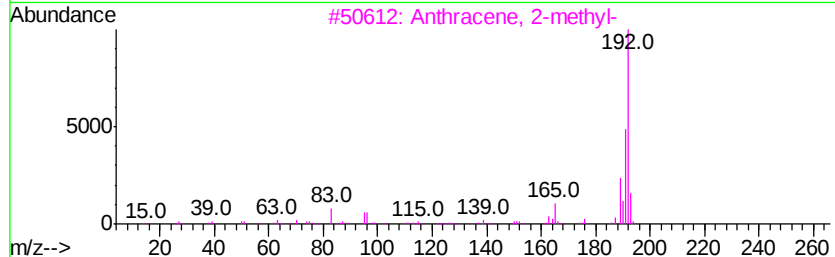
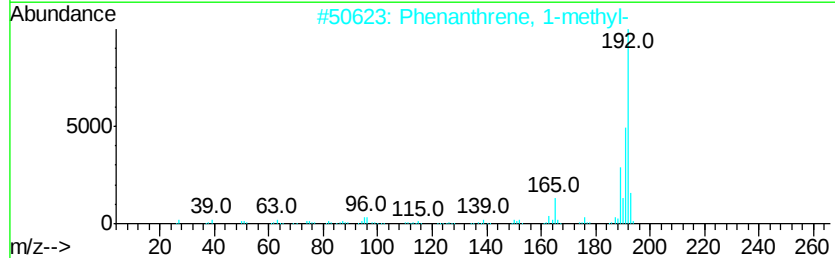
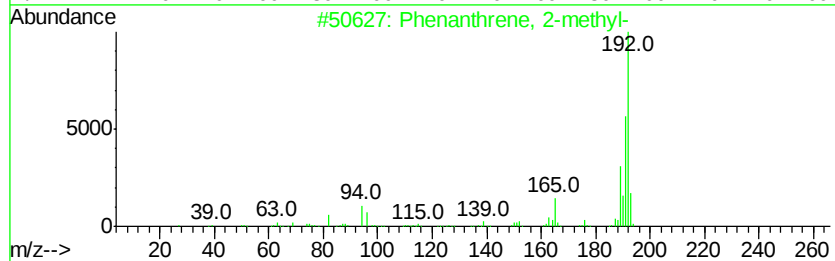
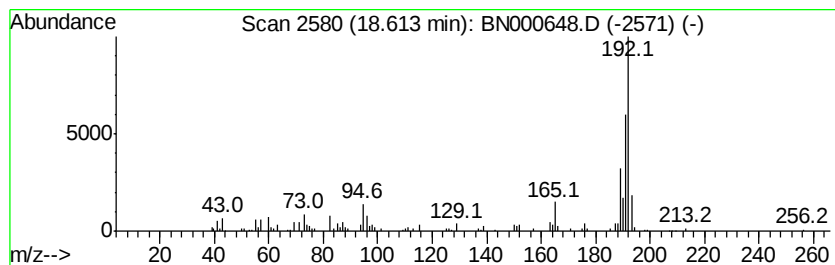
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	2.84 ng/ul	321975	Phenanthrene-d10	17.75

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	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



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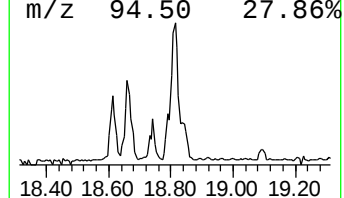
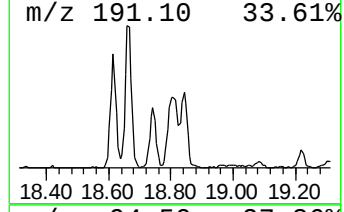
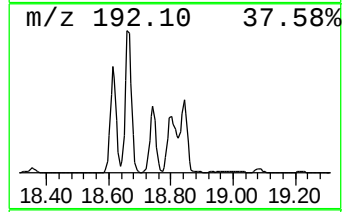
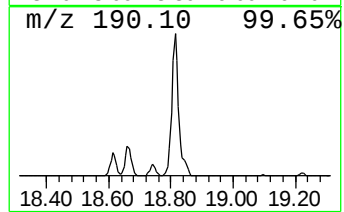
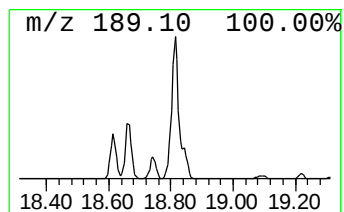
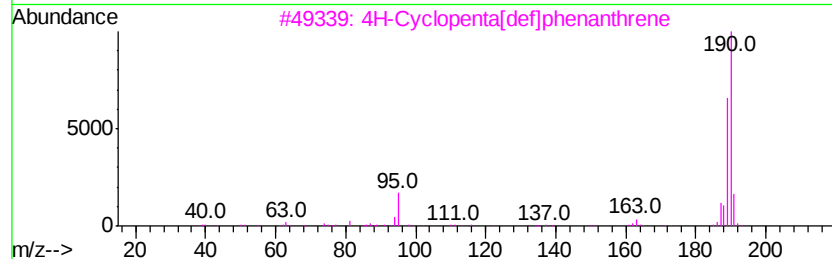
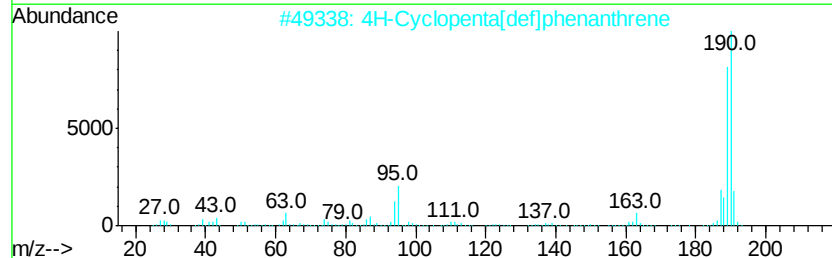
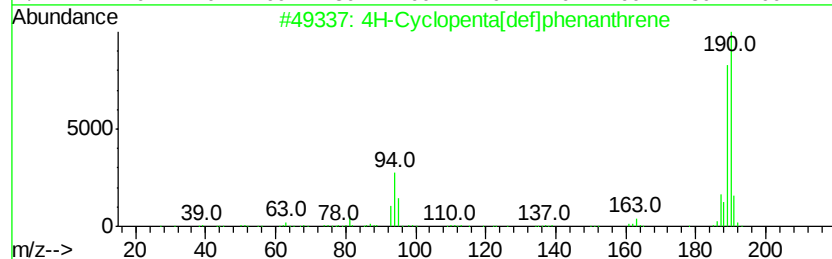
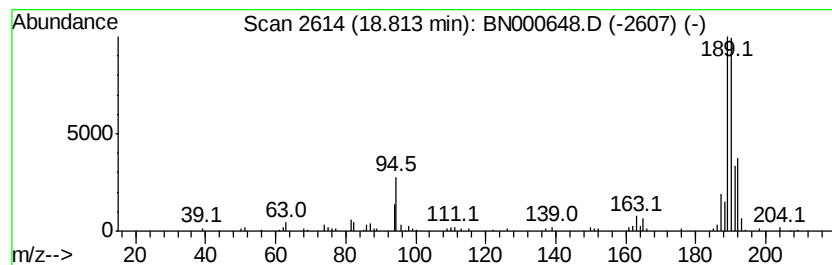
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TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.06 ng/ul	347042	Phenanthrene-d10	17.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
4		Methyl diselenide	190	C2H6Se2	007101-31-7	49
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	12



Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000648.D
Acq On : 27 Mar 2018 15:54
Operator : JU/SJ
Sample : J2060-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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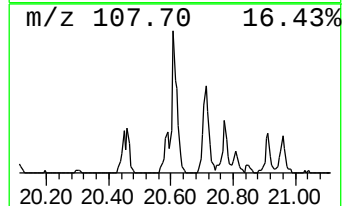
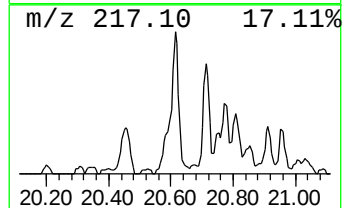
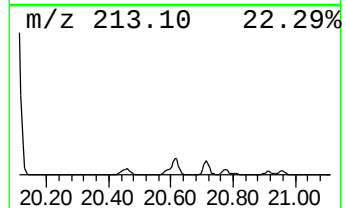
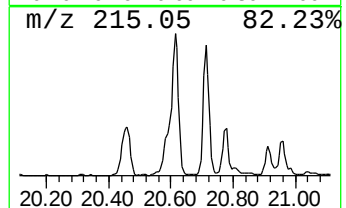
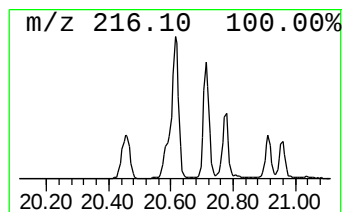
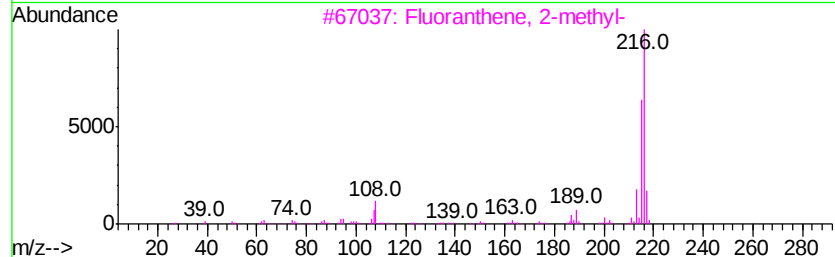
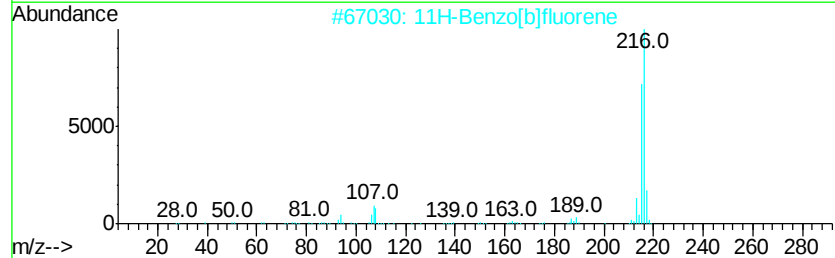
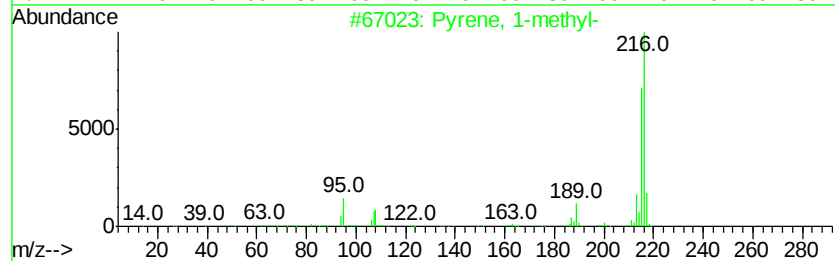
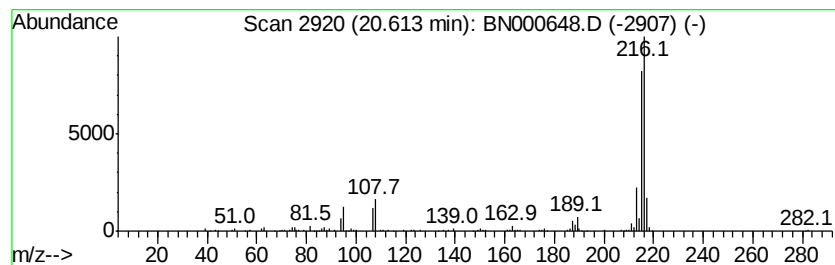
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	2.63 ng/ul	543597	Chrysene-d12	21.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93



Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000648.D
Acq On : 27 Mar 2018 15:54
Operator : JU/SJ
Sample : J2060-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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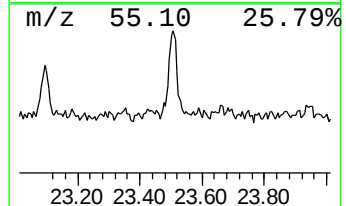
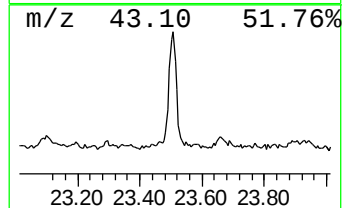
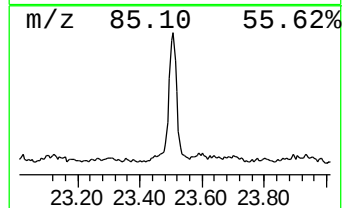
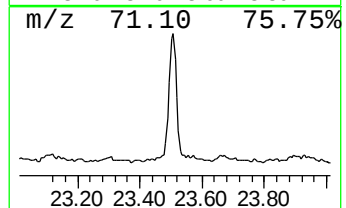
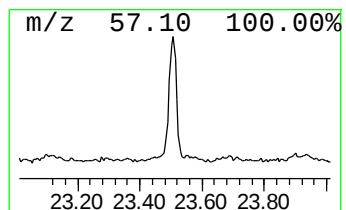
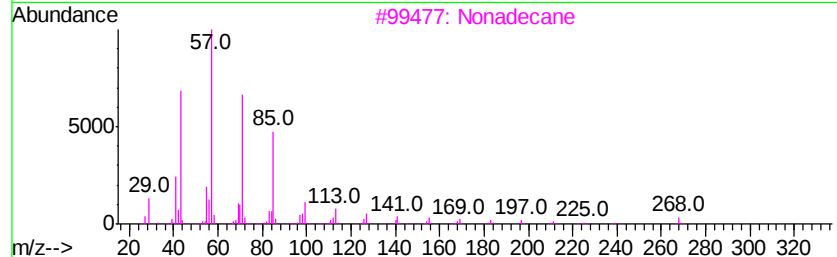
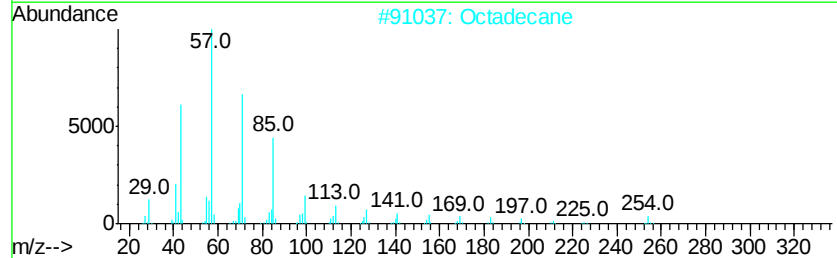
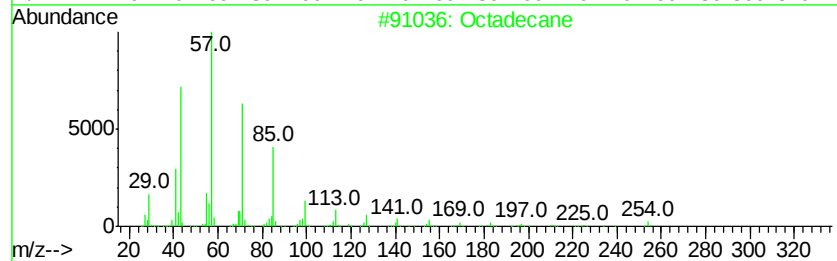
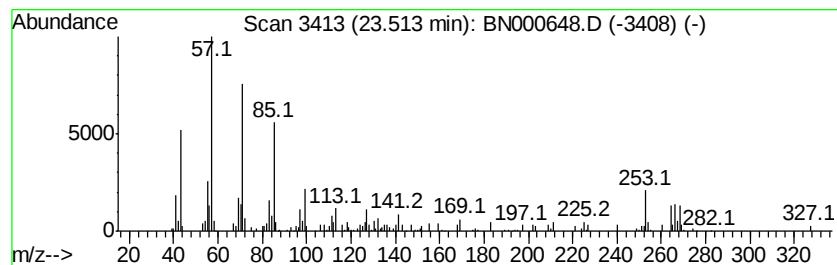
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	2.05 ng/ul	199462	Perylene-d12	24.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	97
2			Octadecane	254	C18H38	000593-45-3	95
3			Nonadecane	268	C19H40	000629-92-5	92
4			Octadecane	254	C18H38	000593-45-3	89
5			Pentadecane, 2-methyl-	226	C16H34	001560-93-6	86



Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000648.D
Acq On : 27 Mar 2018 15:54
Operator : JU/SJ
Sample : J2060-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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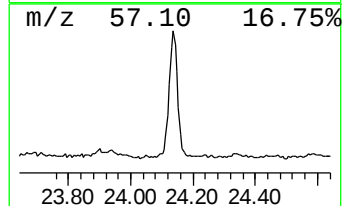
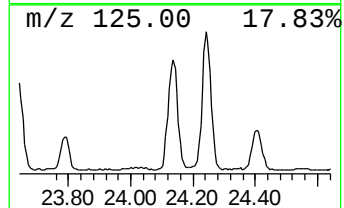
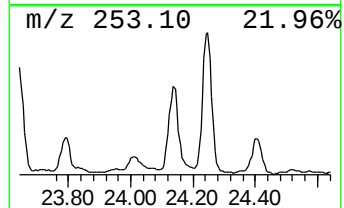
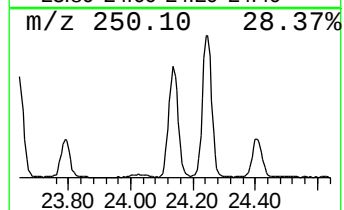
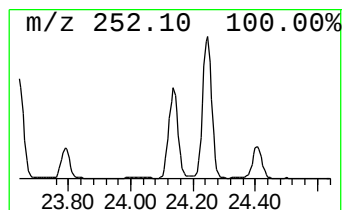
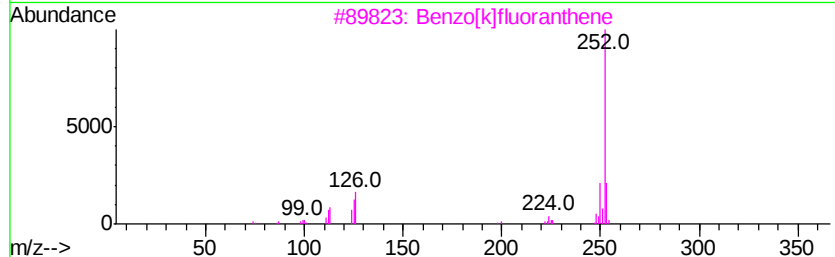
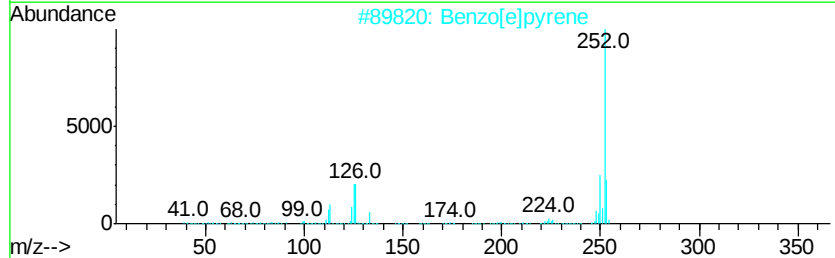
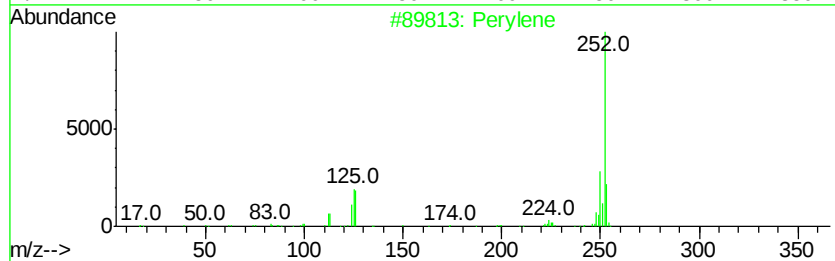
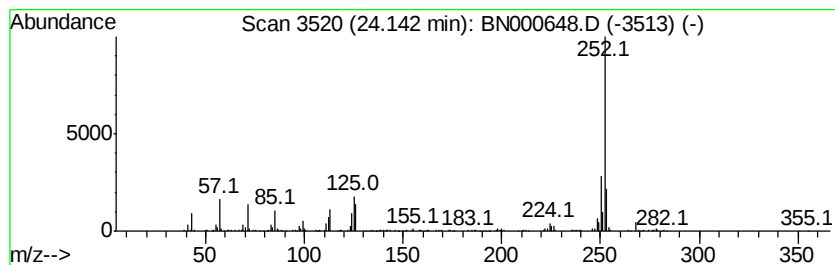
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	7.23 ng/ul	704078	Perylene-d12	24.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4		Benzo[e]pyrene	252	C20H12	000192-97-2	97
5		Perylene	252	C20H12	000198-55-0	97



Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
Data File : BN000648.D
Acq On : 27 Mar 2018 15:54
Operator : JU/SJ
Sample : J2060-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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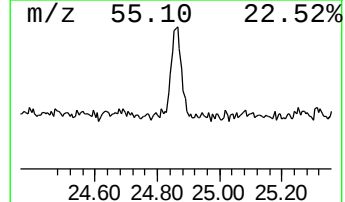
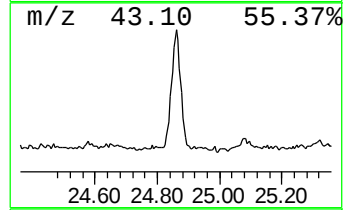
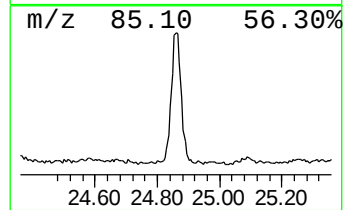
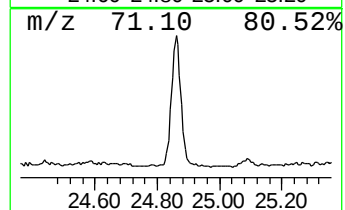
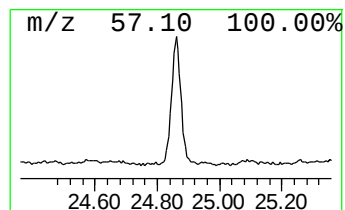
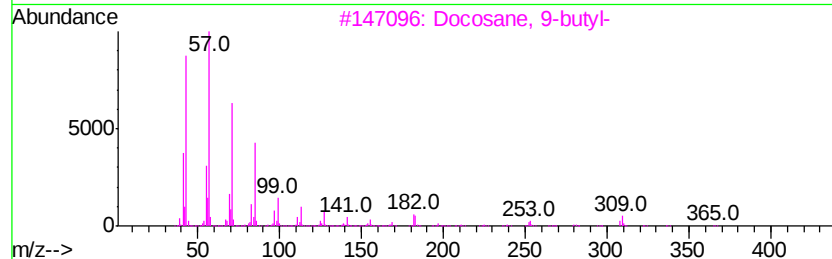
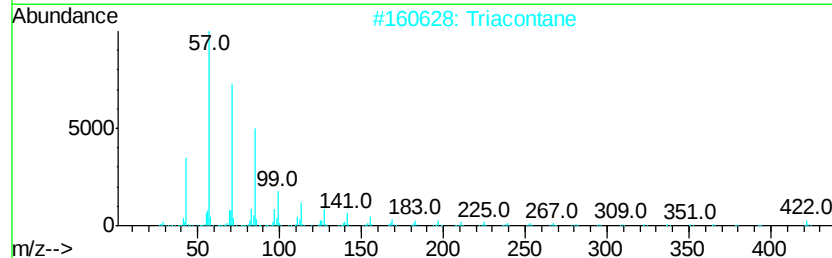
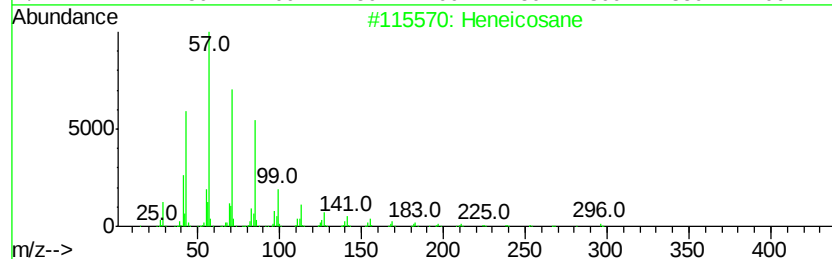
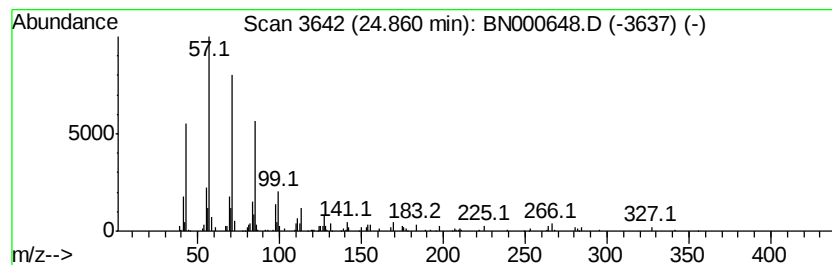
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.86	2.64 ng/ul	257330	Perylene-d12	24.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Triacontane	422	C30H62	000638-68-6	86
3		Docosane, 9-butyl-	366	C26H54	055282-14-9	86
4		Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	86
5		Pentacosane	352	C25H52	000629-99-2	86



Data Path : Z:\HPCHEM1\BNA_N\DATA\BN032718\
Data File : BN000648.D
Acq On : 27 Mar 2018 15:54
Operator : JU/SJ
Sample : J2060-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.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
2-Pentanone, 4-hy...	5.40	2.4	ng/ul	113219	1	8.41	959849	20.0
Phenanthrene, 2-m...	18.61	2.8	ng/ul	321975	4	17.75	2270170	20.0
4H-Cyclopenta[def...	18.81	3.1	ng/ul	347042	4	17.75	2270170	20.0
Pyrene, 1-methyl-	20.61	2.6	ng/ul	543597	5	21.88	4141170	20.0
(DEL) Alkane: Str...	23.51	2.0	ng/ul	199462	6	24.35	1947760	20.0
Perylene	24.14	7.2	ng/ul	704078	6	24.35	1947760	20.0
(DEL) Alkane: Str...	24.86	2.6	ng/ul	257330	6	24.35	1947760	20.0