

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
 Data File : BM023102.D
 Acq On : 10 Oct 2019 03:31
 Operator : JU
 Sample : K5177-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEPA2

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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	3.251	43	45	52	rVB	26620	33218	0.63%	0.060%
2	3.669	112	116	126	rVV4	7741	16384	0.31%	0.029%
3	3.763	128	132	141	rVV	36846	57880	1.10%	0.104%
4	3.893	149	154	160	rVB2	17426	29867	0.57%	0.054%
5	3.981	165	169	175	rVB	17968	25468	0.48%	0.046%
6	4.898	320	325	337	rBV2	19919	53018	1.01%	0.095%
7	5.792	470	477	482	rVB5	7491	17422	0.33%	0.031%
8	6.939	664	672	689	rBV2	466037	854810	16.21%	1.538%
9	7.104	694	700	713	rBV	380461	627228	11.90%	1.129%
10	7.304	727	734	743	rVB	524207	833838	15.82%	1.501%
11	7.769	806	813	822	rBV	649212	1007189	19.10%	1.813%
12	8.469	926	932	940	rBV	428099	706687	13.40%	1.272%
13	8.592	947	953	959	rVB	16434	28676	0.54%	0.052%
14	8.922	1002	1009	1018	rBV	461976	756015	14.34%	1.361%
15	9.639	1125	1131	1139	rBV	375141	613408	11.63%	1.104%
16	10.180	1212	1223	1235	rBV	594860	1003743	19.04%	1.807%
17	10.557	1279	1287	1293	rBV	847626	1407930	26.70%	2.534%
18	10.604	1293	1295	1300	rVB	12584	16121	0.31%	0.029%
19	10.692	1300	1310	1329	rBV	298136	568214	10.78%	1.023%
20	12.221	1565	1570	1578	rBV2	13908	25026	0.47%	0.045%
21	12.445	1602	1608	1612	rVB	8754	13925	0.26%	0.025%
22	13.239	1738	1743	1747	rBV	11080	15293	0.29%	0.028%
23	13.733	1821	1827	1831	rVV5	13810	23827	0.45%	0.043%
24	13.815	1835	1841	1845	rVV	1010966	1358743	25.77%	2.445%
25	13.863	1845	1849	1855	rVV	427147	574590	10.90%	1.034%
26	14.098	1882	1889	1907	rVB	1200195	1819429	34.51%	3.275%
27	14.315	1921	1926	1931	rVB	12726	17066	0.32%	0.031%
28	14.404	1934	1941	1948	rVV2	1190102	1725072	32.72%	3.105%
29	14.468	1948	1952	1960	rVB	23168	36242	0.69%	0.065%
30	14.551	1960	1966	1969	rBV3	12953	17807	0.34%	0.032%
31	14.598	1969	1974	1978	rVV	265077	399008	7.57%	0.718%
32	14.651	1978	1983	1998	rVV	1095715	1723819	32.70%	3.103%
33	14.751	1998	2000	2005	rVV2	26525	46561	0.88%	0.084%
34	14.821	2005	2012	2017	rVV3	36388	82776	1.57%	0.149%

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35	14.880	2019	2022	2027	rVV2	12124	16518	0.31%	0.030%
36	15.268	2084	2088	2094	rVB2	16741	22573	0.43%	0.041%
37	15.398	2101	2110	2116	rBV	1533766	2124292	40.29%	3.823%
38	15.451	2116	2119	2125	rVV3	34198	50886	0.97%	0.092%
39	15.515	2125	2130	2137	rVV	281369	406061	7.70%	0.731%
40	15.574	2137	2140	2143	rVV4	12541	17860	0.34%	0.032%
41	15.639	2143	2151	2153	rVV6	20351	45512	0.86%	0.082%
42	15.686	2157	2159	2165	rVV2	28695	43169	0.82%	0.078%
43	15.745	2166	2169	2180	rVB6	13451	30108	0.57%	0.054%
44	15.892	2187	2194	2202	rVB8	14821	37796	0.72%	0.068%
45	15.992	2202	2211	2216	rBV2	27844	51654	0.98%	0.093%
46	16.127	2229	2234	2237	rBV4	32078	48663	0.92%	0.088%
47	16.439	2283	2287	2289	rBV3	15067	24574	0.47%	0.044%
48	16.504	2294	2298	2300	rVV2	15020	18075	0.34%	0.033%
49	16.551	2300	2306	2310	rVB5	18582	31175	0.59%	0.056%
50	16.686	2326	2329	2333	rVV5	9624	13876	0.26%	0.025%
51	16.798	2345	2348	2355	rVB2	23630	40380	0.77%	0.073%
52	16.915	2365	2368	2372	rVB4	14985	18984	0.36%	0.034%
53	16.962	2373	2376	2384	rVB2	32599	48984	0.93%	0.088%
54	17.051	2385	2391	2398	rBV3	36540	62923	1.19%	0.113%
55	17.145	2398	2407	2411	rBV2	1317906	1901997	36.08%	3.423%
56	17.186	2411	2414	2418	rVB	429199	544164	10.32%	0.979%
57	17.245	2418	2424	2428	rBV	1484343	2105099	39.93%	3.789%
58	17.333	2435	2439	2445	rBV4	26879	49329	0.94%	0.089%
59	17.545	2469	2475	2480	rBV	42803	70096	1.33%	0.126%
60	17.727	2503	2506	2513	rVB3	40361	59755	1.13%	0.108%
61	17.868	2526	2530	2534	rBV3	22576	32960	0.63%	0.059%
62	17.933	2537	2541	2545	rVB6	18961	32414	0.61%	0.058%
63	17.980	2546	2549	2552	rBV	60688	82982	1.57%	0.149%
64	18.021	2552	2556	2557	rBV	95497	116933	2.22%	0.210%
65	18.045	2557	2560	2563	rBV	212072	259999	4.93%	0.468%
66	18.145	2574	2577	2582	rVB	45412	68153	1.29%	0.123%
67	18.215	2583	2589	2593	rBV3	211575	396177	7.51%	0.713%
68	18.250	2593	2595	2598	rVB	59790	62028	1.18%	0.112%
69	18.339	2604	2610	2614	rBV4	37068	87183	1.65%	0.157%
70	18.521	2637	2641	2644	rVV2	66430	86934	1.65%	0.156%
71	18.556	2644	2647	2653	rVB3	82951	124825	2.37%	0.225%

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72	18.645	2660	2662	2664	rVB2	22248	14521	0.28%	0.026%
73	18.768	2680	2683	2687	rVB2	54579	69124	1.31%	0.124%
74	18.821	2689	2692	2694	rVV	42999	44451	0.84%	0.080%
75	18.939	2708	2712	2716	rBV	134197	209313	3.97%	0.377%
76	18.986	2716	2720	2726	rVV4	74306	185599	3.52%	0.334%
77	19.033	2726	2728	2731	rVV2	54980	58558	1.11%	0.105%
78	19.074	2731	2735	2743	rVV3	110014	207301	3.93%	0.373%
79	19.203	2752	2757	2764	rBV	1274999	1651149	31.32%	2.972%
80	19.268	2765	2768	2771	rBV2	51379	73681	1.40%	0.133%
81	19.539	2808	2814	2817	rBV	2001653	3148329	59.72%	5.666%
82	19.568	2817	2819	2827	rVB	1307233	1427640	27.08%	2.569%
83	19.892	2871	2874	2875	rBV3	67985	81054	1.54%	0.146%
84	20.056	2899	2902	2906	rVB	242974	309394	5.87%	0.557%
85	20.162	2917	2920	2925	rVB	162576	190966	3.62%	0.344%
86	20.221	2926	2930	2934	rVB2	186071	231503	4.39%	0.417%
87	20.356	2951	2953	2957	rVB	115839	136365	2.59%	0.245%
88	20.403	2959	2961	2966	rVB	150152	159764	3.03%	0.288%
89	21.009	3062	3064	3067	rBV	124292	152612	2.89%	0.275%
90	21.044	3067	3070	3076	rVB3	805272	996926	18.91%	1.794%
91	21.244	3100	3104	3109	rBV	4768712	5272206	100.00%	9.489%
92	21.321	3111	3117	3121	rBV2	1932638	3472640	65.87%	6.250%
93	21.362	3121	3124	3134	rVB	915524	1172046	22.23%	2.109%
94	21.486	3141	3145	3149	rBV2	272061	394569	7.48%	0.710%
95	21.933	3216	3221	3228	rVB3	715110	1276003	24.20%	2.297%
96	22.897	3380	3385	3389	rBV2	1190192	2182367	41.39%	3.928%
97	23.380	3463	3467	3471	rBV	425640	724498	13.74%	1.304%
98	23.433	3471	3476	3480	rVV	1437610	2647872	50.22%	4.766%
99	23.474	3480	3483	3490	rVB	834180	1384345	26.26%	2.492%
100	23.574	3495	3500	3506	rVB	1081019	1915732	36.34%	3.448%

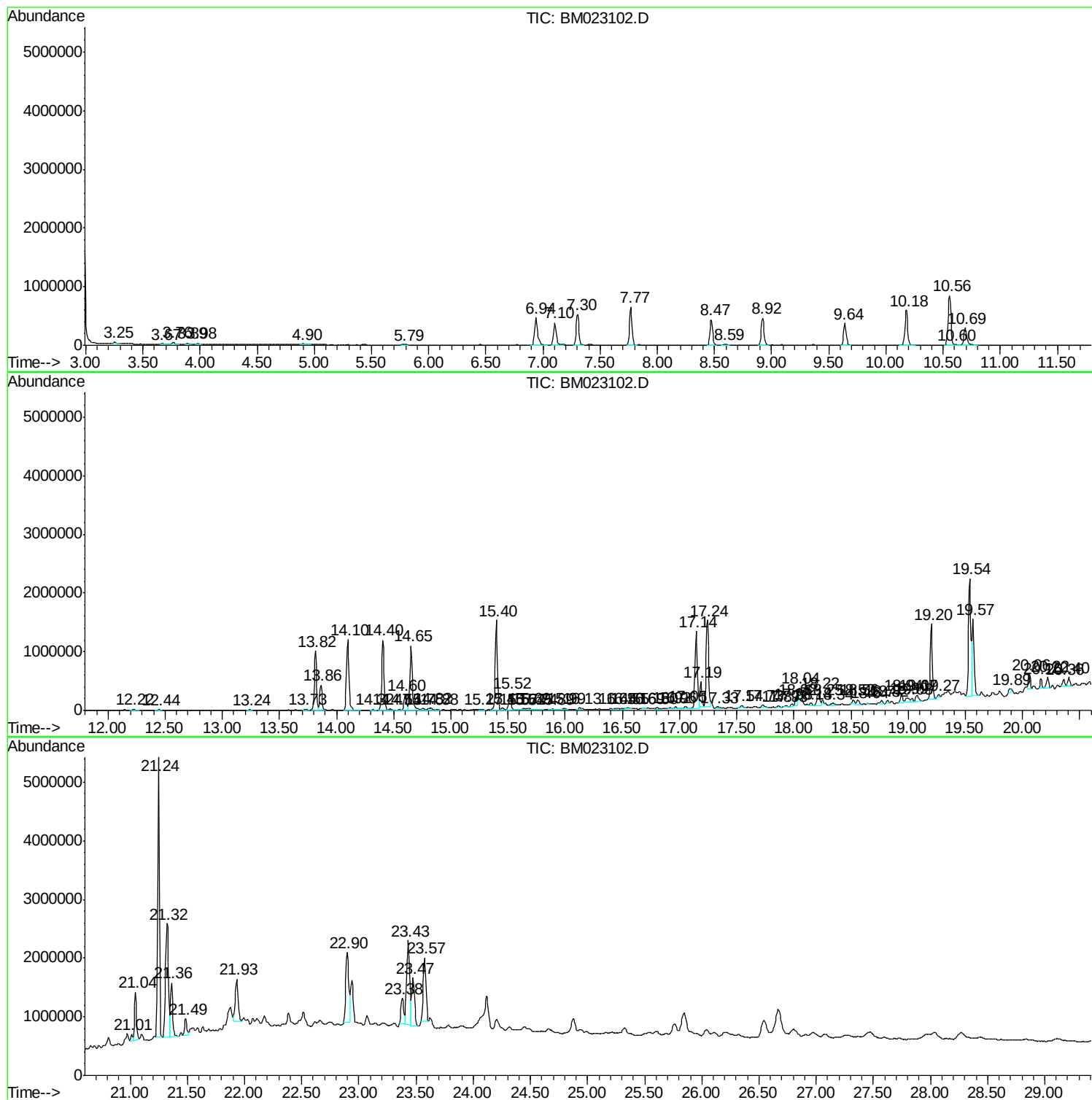
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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



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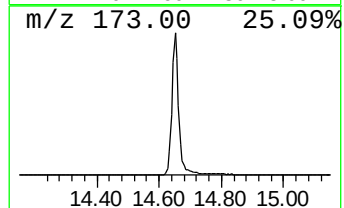
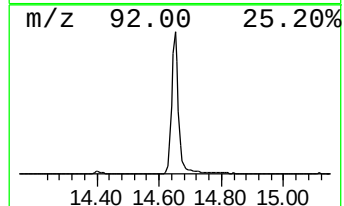
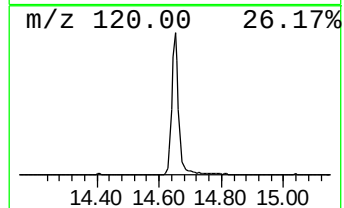
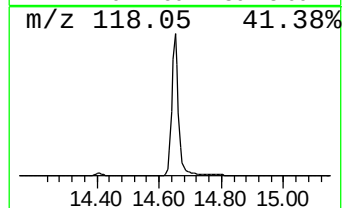
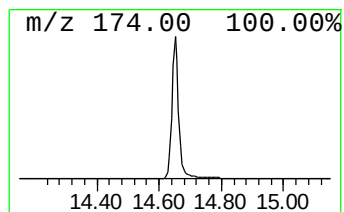
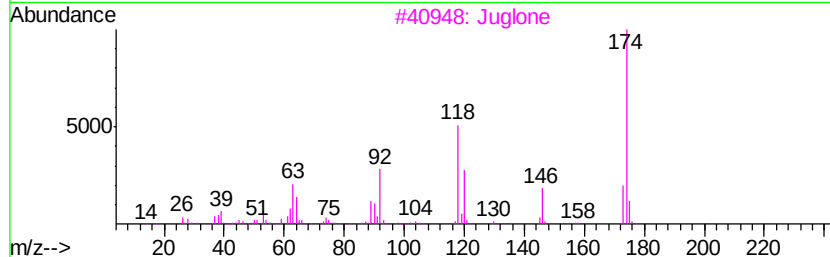
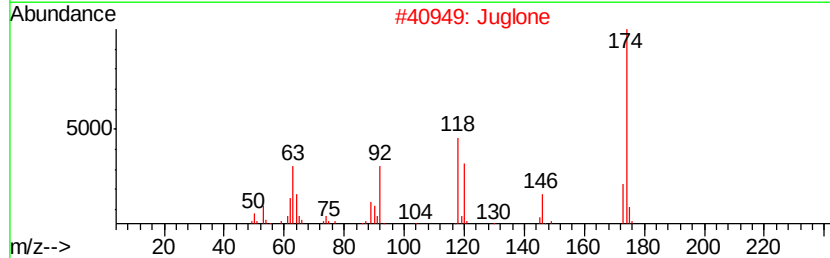
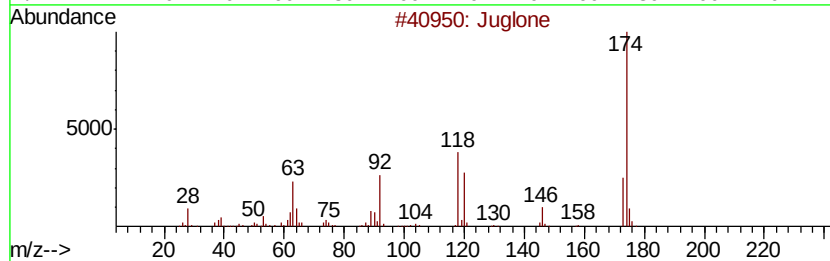
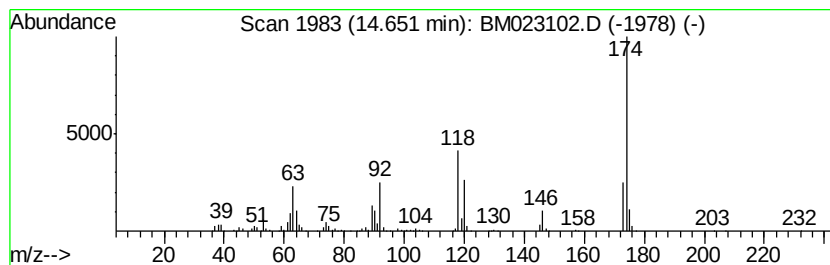
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Juglone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	19.99 ng/ul	1723820	Acenaphthene-d10	14.40
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Juglone	174 C10H6O3	000481-39-0	98
2	Juglone	174 C10H6O3	000481-39-0	93
3	Juglone	174 C10H6O3	000481-39-0	91
4	8-Quinololinol, 5-nitroso-	174 C9H6N2O2	003565-26-2	46
5	Benzene, 1,3-diisocyanato-2-methyl-	174 C9H6N2O2	000091-08-7	37



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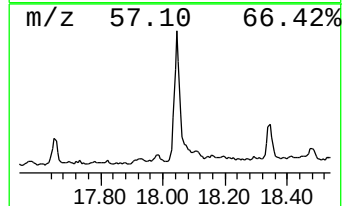
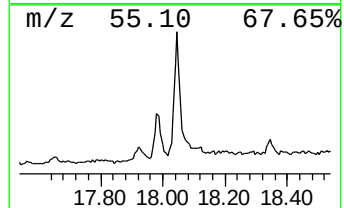
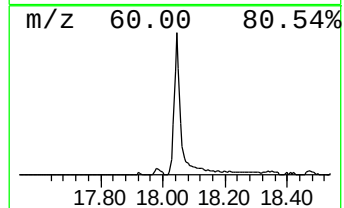
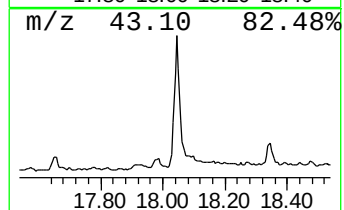
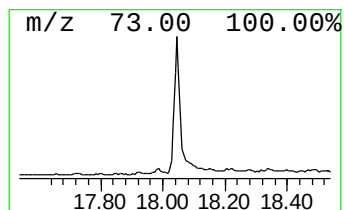
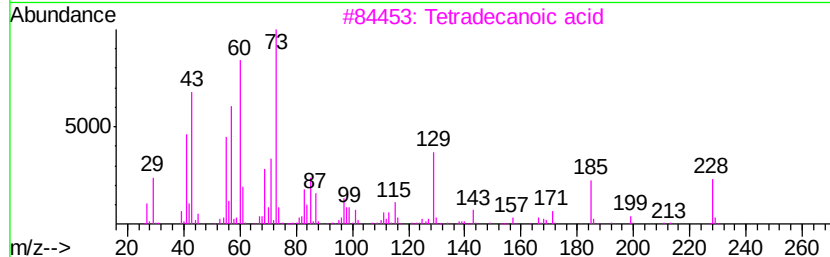
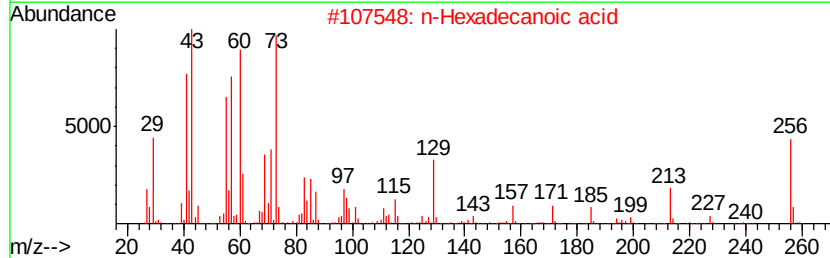
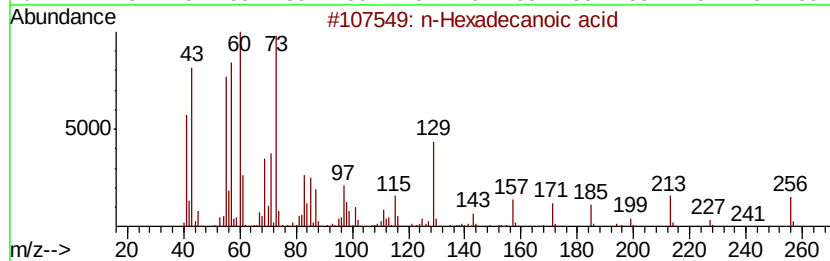
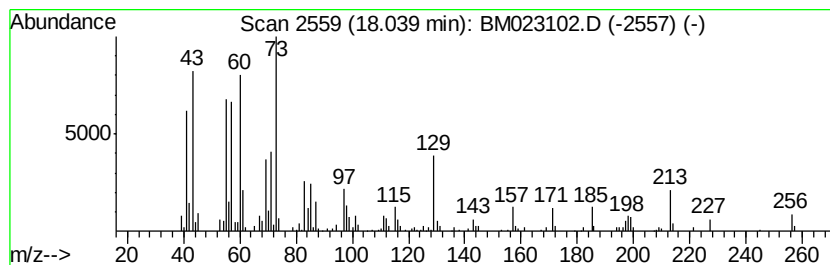
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.73 ng/ul	259999	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	94
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Tridecanoic acid	214	C13H26O2	000638-53-9	89



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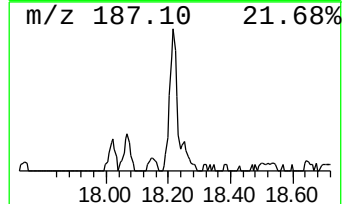
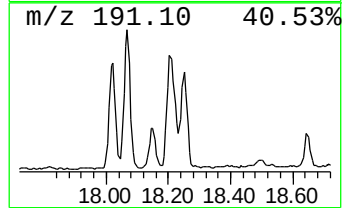
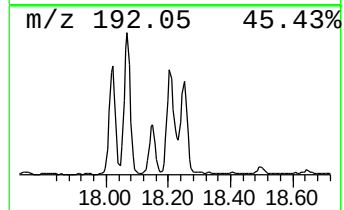
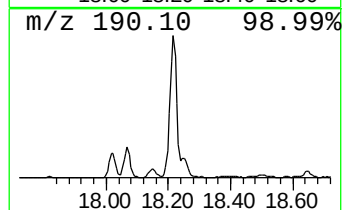
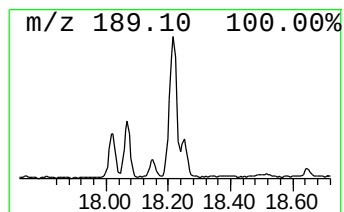
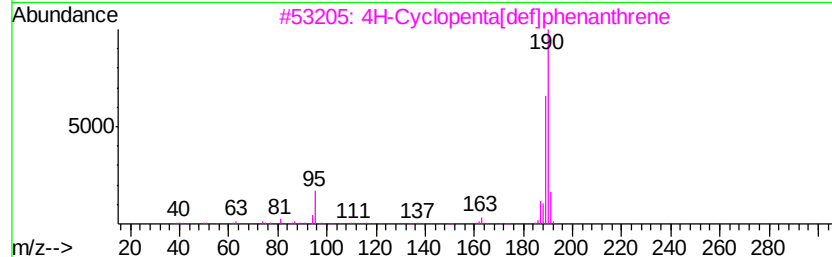
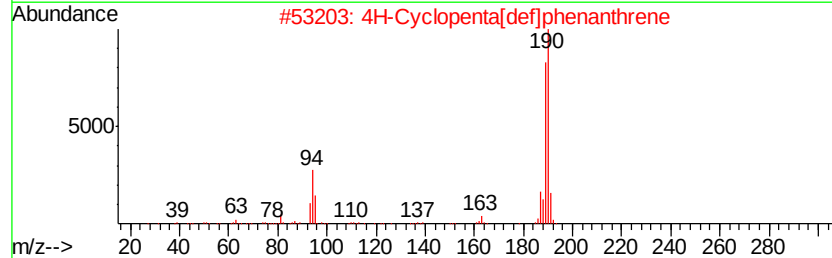
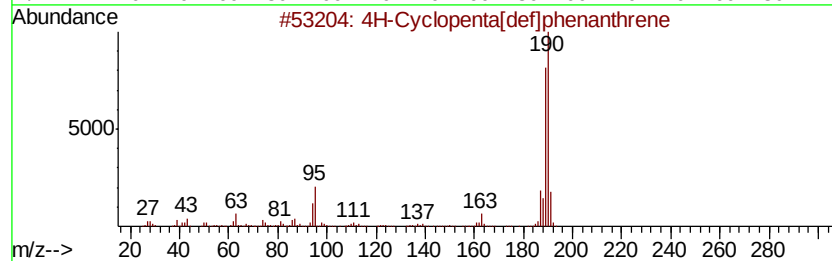
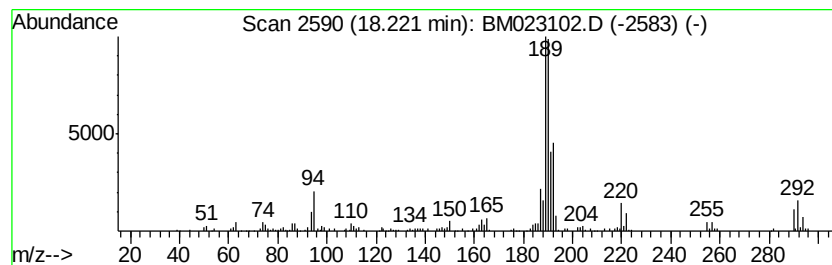
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	4.17 ng/ul	396177	Phenanthrene-d10	17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5		8H-Imidazo[4,5-E]-2,1,3-benzothi...	190	C8H6N4S	129485-68-3	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023102.D
Acq On : 10 Oct 2019 03:31
Operator : JU
Sample : K5177-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEPA2

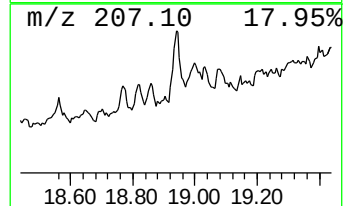
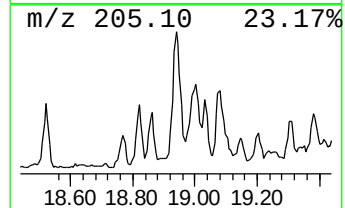
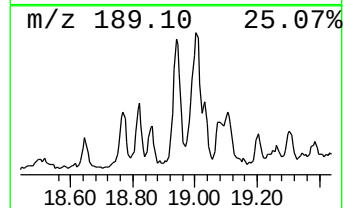
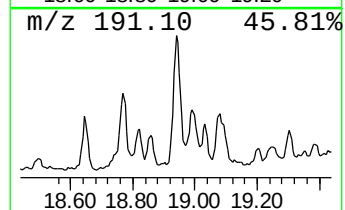
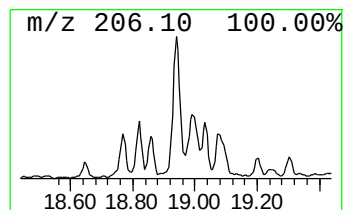
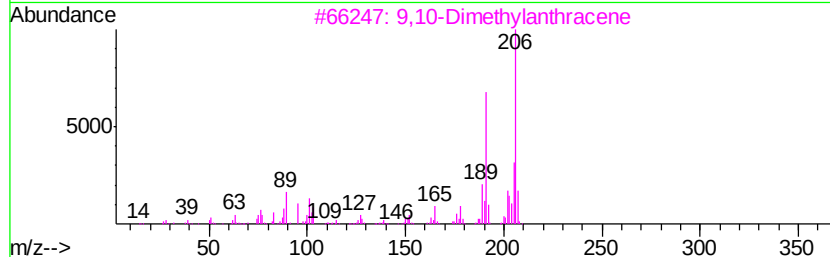
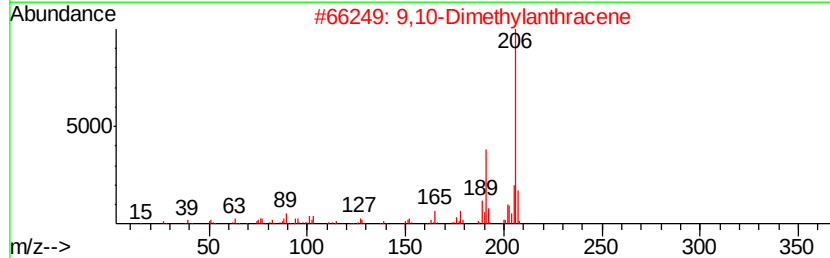
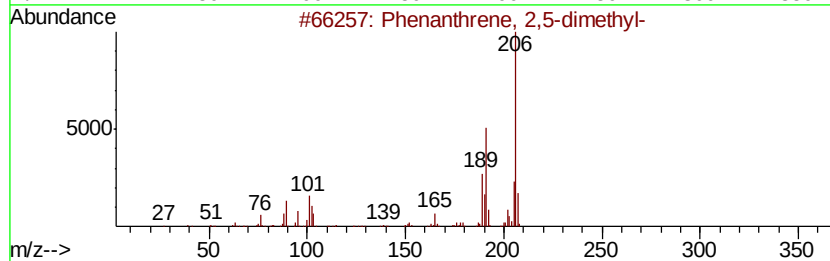
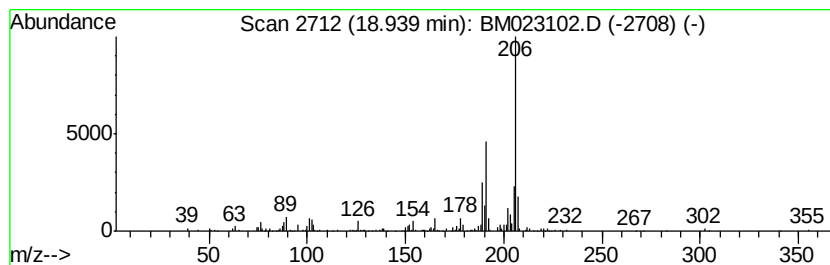
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.20 ng/ul	209313	Phenanthrene-d10	17.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	94
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023102.D
Acq On : 10 Oct 2019 03:31
Operator : JU
Sample : K5177-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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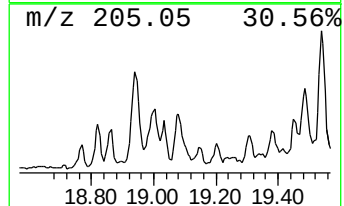
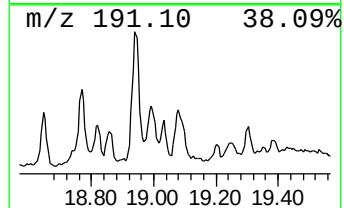
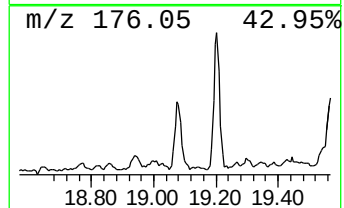
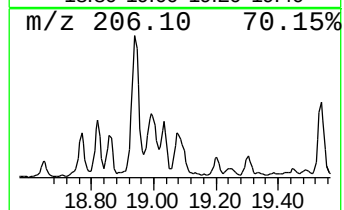
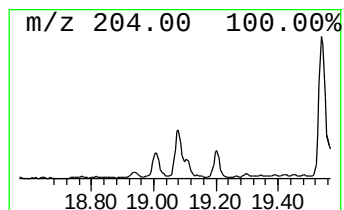
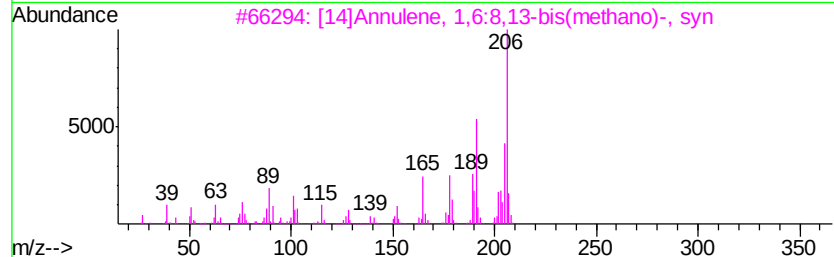
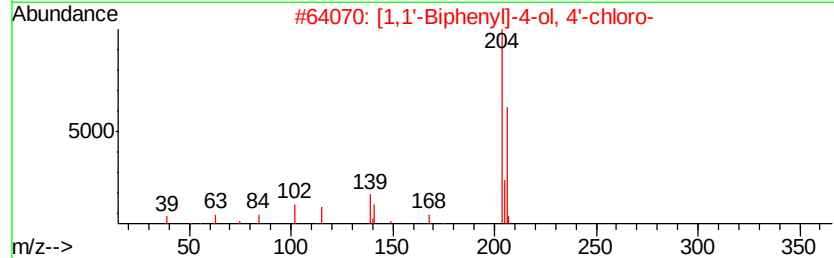
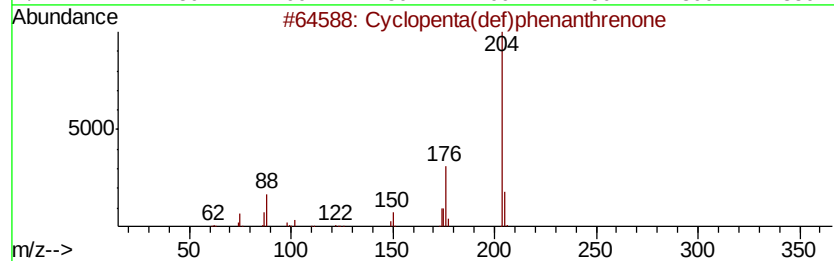
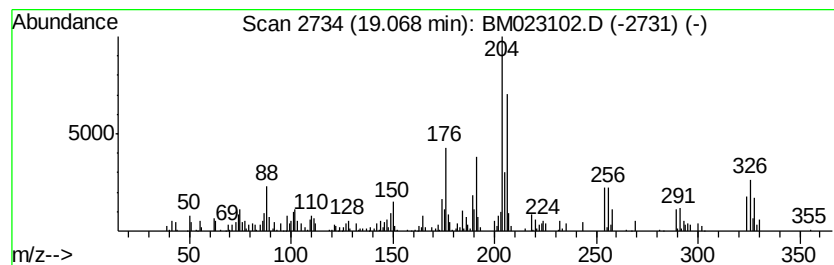
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	2.18 ng/ul	207301	Phenanthrene-d10	17.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
4		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	35
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023102.D
Acq On : 10 Oct 2019 03:31
Operator : JU
Sample : K5177-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

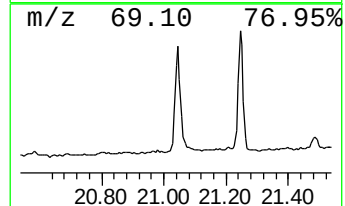
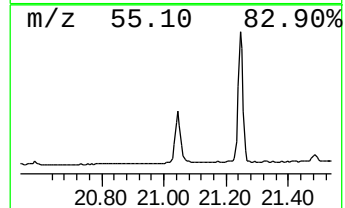
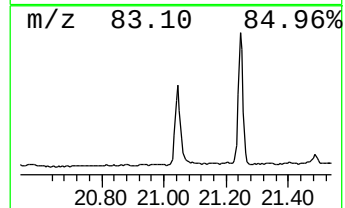
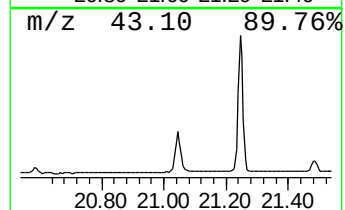
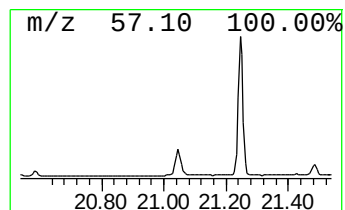
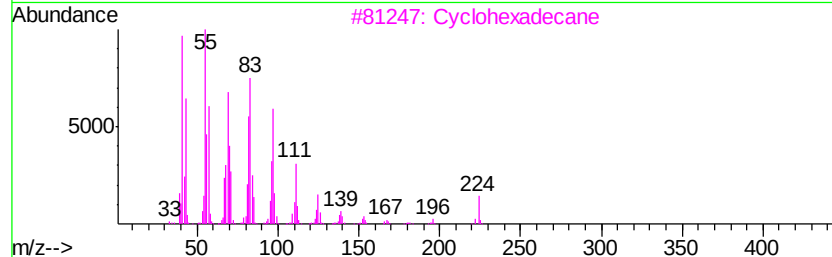
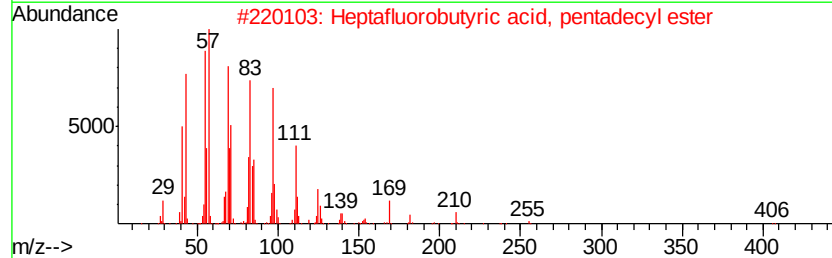
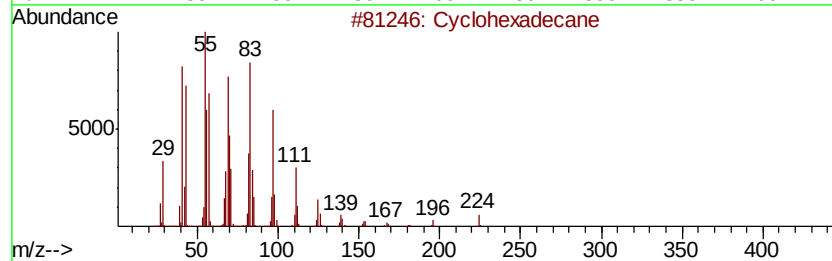
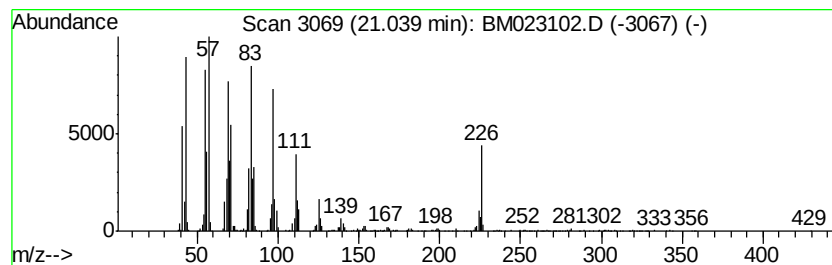
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Cyclic21.04 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.04	5.74 ng/ul	996926	Chrysene-d12	21.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexadecane	224	C16H32	000295-65-8	92
2		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	83
3		Cvclohexadecane	224	C16H32	000295-65-8	83
4		Trihexadecyl borate	735	C48H99B03	002665-11-4	81
5		Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023102.D
Acq On : 10 Oct 2019 03:31
Operator : JU
Sample : K5177-13
Misc :
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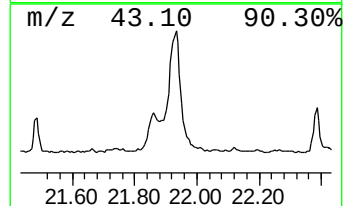
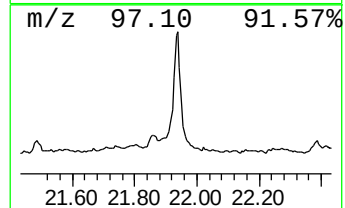
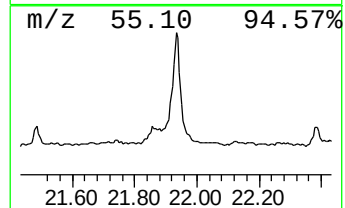
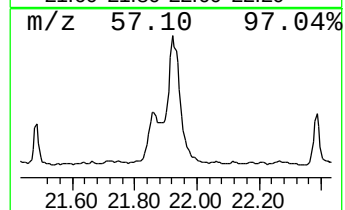
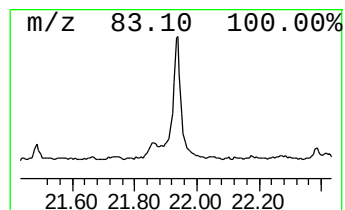
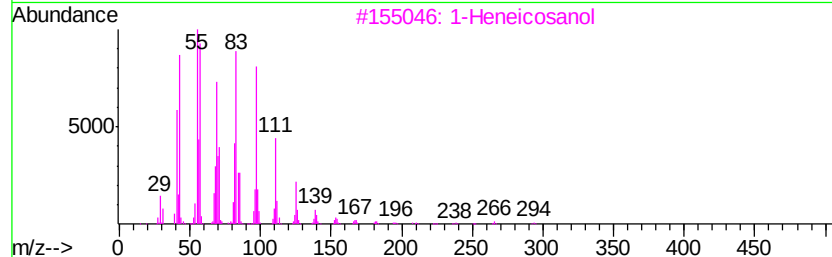
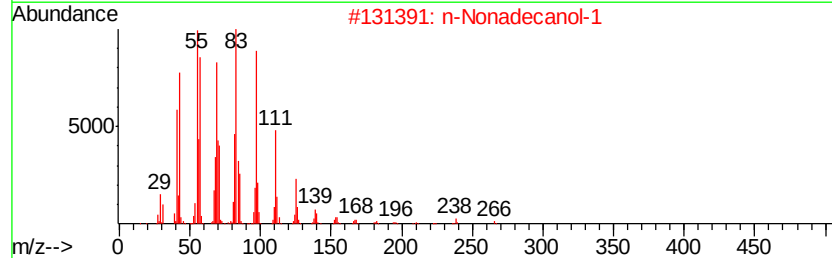
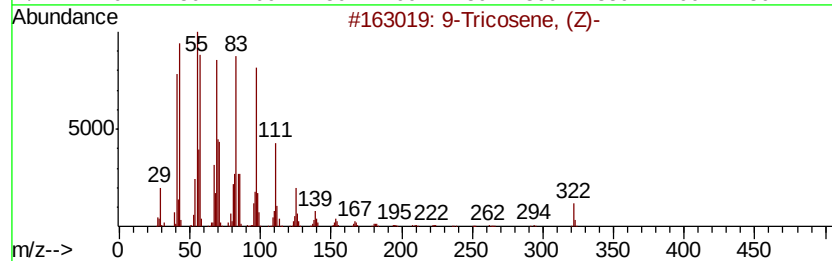
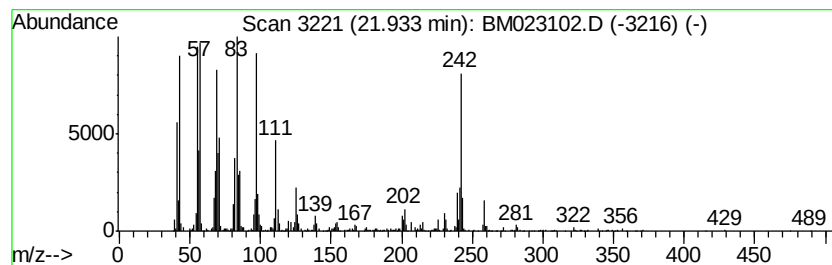
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic21.93 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	7.35 ng/ul	1276000	Chrysene-d12	21.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9-Tricosene, (Z)-	322 C23H46	027519-02-4	94
2	n-Nonadecanol-1	284 C19H40O	001454-84-8	93
3	1-Heneicosanol	312 C21H44O	015594-90-8	93
4	1-Heneicosyl formate	340 C22H44O2	077899-03-7	91
5	1-Tricosene	322 C23H46	018835-32-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023102.D
Acq On : 10 Oct 2019 03:31
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Sample : K5177-13
Misc :
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Instrument :
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ClientSampleId :
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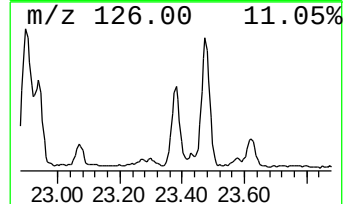
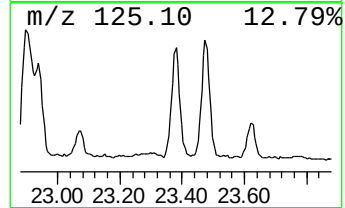
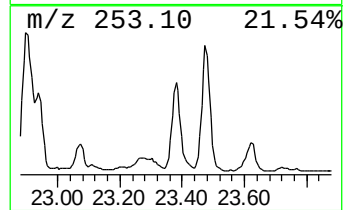
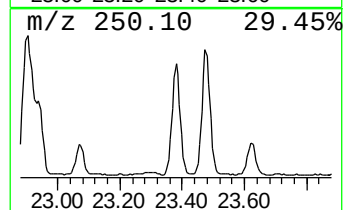
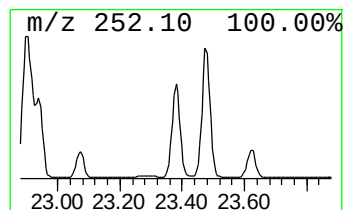
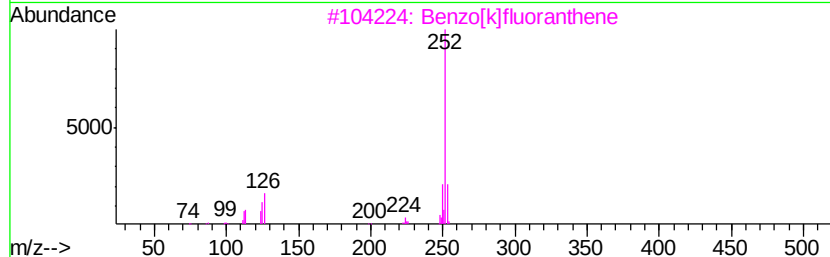
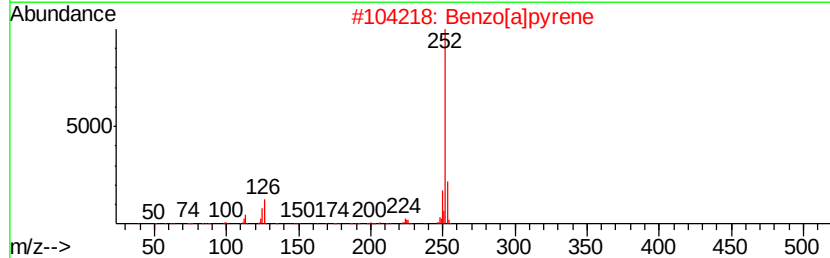
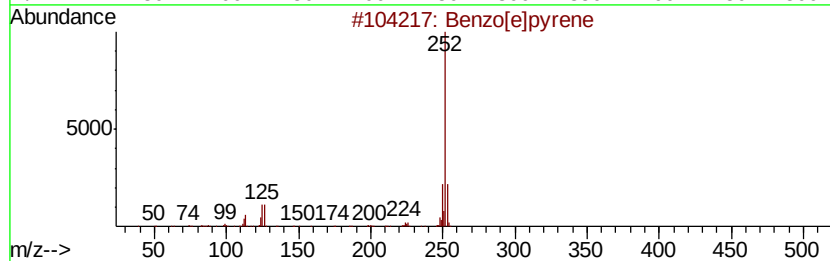
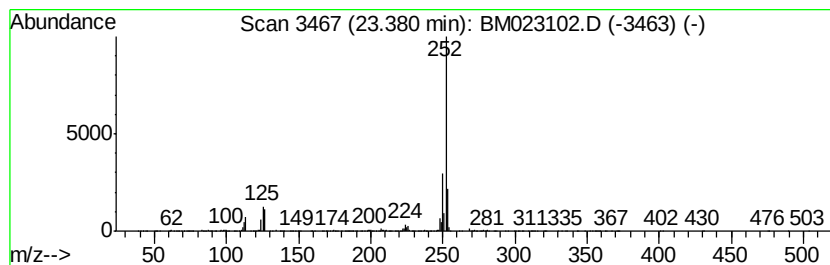
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.38	7.56 ng/ul	724498	Perylene-d12	23.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4		Perylene	252	C20H12	000198-55-0	95
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100819\
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Sample : K5177-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Juglone	14.65	20.0	ng/ul	1723820	3	14.40	1725070	20.0
n-Hexadecanoic acid	18.04	2.7	ng/ul	259999	4	17.14	1902000	20.0
4H-Cyclopenta[def...	18.22	4.2	ng/ul	396177	4	17.14	1902000	20.0
Phenanthrene, 2,5...	18.94	2.2	ng/ul	209313	4	17.14	1902000	20.0
Cyclopenta(def)ph...	19.07	2.2	ng/ul	207301	4	17.14	1902000	20.0
(DEL) Alkane: Cyc...	21.04	5.7	ng/ul	996926	5	21.33	3472640	20.0
(DEL) Alkane: Cyc...	21.93	7.3	ng/ul	1276000	5	21.33	3472640	20.0
Benzo[e]pyrene	23.38	7.6	ng/ul	724498	6	23.57	1915730	20.0