

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023198.D
 Acq On : 16 Oct 2019 19:45
 Operator : JU
 Sample : K5199-09DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP76DL

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-BM101419MA.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	3.175	29	32	42	rVB6	26365	47814	0.62%	0.067%
2	3.681	115	118	124	rVB3	18978	29640	0.38%	0.041%
3	3.816	135	141	147	rVB6	13443	24479	0.32%	0.034%
4	3.899	150	155	161	rBV	30072	47608	0.62%	0.067%
5	4.387	233	238	242	rVB4	11268	21050	0.27%	0.029%
6	6.828	644	653	663	rBV	250498	444757	5.77%	0.622%
7	6.998	677	682	692	rBV	218827	355310	4.61%	0.497%
8	7.192	709	715	725	rVB	279956	460583	5.97%	0.644%
9	7.663	787	795	802	rBV	1768187	2780994	36.05%	3.888%
10	7.739	802	808	812	rVB7	13967	23403	0.30%	0.033%
11	8.363	906	914	921	rBV	276637	454168	5.89%	0.635%
12	8.804	982	989	998	rBV	249459	422296	5.47%	0.590%
13	9.528	1105	1112	1120	rBV	174347	295984	3.84%	0.414%
14	10.063	1195	1203	1210	rBV	323656	555036	7.20%	0.776%
15	10.445	1260	1268	1275	rBV	2314369	3890077	50.43%	5.438%
16	10.575	1284	1290	1301	rBV	123958	240990	3.12%	0.337%
17	12.116	1547	1552	1557	rBV5	17935	30498	0.40%	0.043%
18	12.339	1583	1590	1596	rBV4	15837	34749	0.45%	0.049%
19	13.633	1803	1810	1814	rBV7	30136	57545	0.75%	0.080%
20	13.721	1820	1825	1830	rBV	543385	742290	9.62%	1.038%
21	13.769	1830	1833	1840	rVB	166435	220714	2.86%	0.309%
22	13.863	1846	1849	1858	rVB7	16053	33235	0.43%	0.046%
23	13.998	1863	1872	1885	rBV	676501	1141018	14.79%	1.595%
24	14.127	1889	1894	1900	rVB4	17502	31728	0.41%	0.044%
25	14.310	1918	1925	1932	rBV	3348142	4917337	63.75%	6.874%
26	14.374	1932	1936	1945	rVB	47744	71732	0.93%	0.100%
27	14.457	1945	1950	1952	rBV4	24765	36010	0.47%	0.050%
28	14.492	1952	1956	1960	rVV2	87057	143823	1.86%	0.201%
29	14.545	1960	1965	1979	rVV	953350	1548715	20.08%	2.165%
30	14.639	1979	1981	1987	rVV7	29606	59540	0.77%	0.083%
31	14.727	1988	1996	2004	rVV7	46998	143544	1.86%	0.201%
32	14.792	2004	2007	2012	rVB6	19932	23325	0.30%	0.033%
33	14.880	2017	2022	2027	rVV7	24021	43660	0.57%	0.061%
34	14.939	2027	2032	2036	rVB6	13386	25429	0.33%	0.036%

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35	14.992	2036	2041	2046	rVB7	12382	21448	0.28%	0.030%
36	15.145	2063	2067	2070	rVB4	24923	31479	0.41%	0.044%
37	15.268	2082	2088	2089	rBV5	43135	55670	0.72%	0.078%
38	15.304	2089	2094	2099	rVV	834813	1199464	15.55%	1.677%
39	15.357	2099	2103	2108	rVV2	55196	83791	1.09%	0.117%
40	15.415	2108	2113	2118	rVV	100088	144085	1.87%	0.201%
41	15.651	2150	2153	2163	rVB7	23965	58365	0.76%	0.082%
42	16.051	2219	2221	2226	rVV6	11999	25102	0.33%	0.035%
43	16.098	2226	2229	2235	rVB7	28117	44537	0.58%	0.062%
44	16.362	2265	2274	2279	rBV9	29683	86060	1.12%	0.120%
45	16.415	2279	2283	2288	rBV6	19385	36343	0.47%	0.051%
46	16.598	2312	2314	2318	rVV5	19760	33116	0.43%	0.046%
47	16.639	2318	2321	2325	rVV5	24551	31349	0.41%	0.044%
48	16.704	2328	2332	2338	rVB	35174	50686	0.66%	0.071%
49	16.792	2342	2347	2351	rBV8	28295	56250	0.73%	0.079%
50	16.868	2356	2360	2364	rVB2	44618	70754	0.92%	0.099%
51	17.051	2385	2391	2395	rBV2	3725761	5316597	68.93%	7.432%
52	17.092	2395	2398	2403	rVV	799829	1094220	14.19%	1.530%
53	17.151	2403	2408	2412	rVV	890687	1278191	16.57%	1.787%
54	17.180	2412	2413	2419	rVB	159382	169031	2.19%	0.236%
55	17.245	2421	2424	2430	rVB5	36997	56782	0.74%	0.079%
56	17.451	2455	2459	2464	rVB	67205	96865	1.26%	0.135%
57	17.586	2478	2482	2486	rBV4	26318	42618	0.55%	0.060%
58	17.639	2487	2491	2499	rVB4	48504	111273	1.44%	0.156%
59	17.774	2512	2514	2520	rVB4	30796	49162	0.64%	0.069%
60	17.927	2536	2540	2544	rBV	151033	207000	2.68%	0.289%
61	17.974	2544	2548	2555	rVV	373056	547372	7.10%	0.765%
62	18.045	2556	2560	2567	rVB2	223679	346635	4.49%	0.485%
63	18.121	2567	2573	2577	rBV3	305379	621096	8.05%	0.868%
64	18.156	2577	2579	2583	rVB	123852	138478	1.80%	0.194%
65	18.239	2589	2593	2596	rBV4	46632	74208	0.96%	0.104%
66	18.433	2621	2626	2629	rBV3	113127	199472	2.59%	0.279%
67	18.462	2629	2631	2639	rVB3	140081	184538	2.39%	0.258%
68	18.562	2645	2648	2651	rBV3	38977	52713	0.68%	0.074%
69	18.680	2666	2668	2674	rVB2	62808	78976	1.02%	0.110%
70	18.856	2693	2698	2702	rBV	181810	296396	3.84%	0.414%
71	18.915	2704	2708	2711	rVV4	122188	215955	2.80%	0.302%

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72	18.951	2711	2714	2717	rVV2	103881	154411	2.00%	0.216%
73	18.992	2717	2721	2729	rVB6	211132	394381	5.11%	0.551%
74	19.115	2737	2742	2748	rVB	1843347	2448906	31.75%	3.423%
75	19.192	2752	2755	2757	rBV4	66001	98770	1.28%	0.138%
76	19.268	2764	2768	2772	rBV3	187553	272200	3.53%	0.381%
77	19.451	2794	2799	2801	rBV	1220420	1943739	25.20%	2.717%
78	19.474	2801	2803	2808	rVB	1742381	1983575	25.72%	2.773%
79	19.656	2832	2834	2838	rVB	97579	106529	1.38%	0.149%
80	19.715	2841	2844	2850	rVB3	185968	275587	3.57%	0.385%
81	19.809	2856	2860	2866	rBV2	127648	259102	3.36%	0.362%
82	19.980	2885	2889	2894	rVB2	337176	491902	6.38%	0.688%
83	20.074	2902	2905	2910	rBV	230049	282651	3.66%	0.395%
84	20.133	2912	2915	2919	rVB2	224930	289007	3.75%	0.404%
85	20.274	2935	2939	2943	rBV	178590	253832	3.29%	0.355%
86	20.315	2943	2946	2952	rBV	182400	295775	3.83%	0.413%
87	20.927	3048	3050	3054	rBV	160631	158273	2.05%	0.221%
88	20.986	3058	3060	3063	rBV3	182737	228432	2.96%	0.319%
89	21.192	3091	3095	3098	rBV	3951780	4297267	55.71%	6.007%
90	21.244	3098	3104	3108	rVV2	4660881	7713400	100.00%	10.783%
91	21.280	3108	3110	3117	rVB	1145984	1244990	16.14%	1.740%
92	21.874	3209	3211	3215	rVB	278364	303204	3.93%	0.424%
93	22.339	3287	3290	3295	rVB	480627	568414	7.37%	0.795%
94	22.797	3362	3368	3372	rBV	959233	2144104	27.80%	2.997%
95	22.844	3373	3376	3385	rVB2	961438	1570396	20.36%	2.195%
96	23.262	3443	3447	3451	rBV	494527	759985	9.85%	1.062%
97	23.309	3452	3455	3459	rVV	617238	992799	12.87%	1.388%
98	23.356	3459	3463	3469	rVB	761259	1285734	16.67%	1.797%
99	23.450	3469	3479	3486	rBV	3174156	7055990	91.48%	9.864%
100	24.068	3579	3584	3592	rVB	567503	1055327	13.68%	1.475%

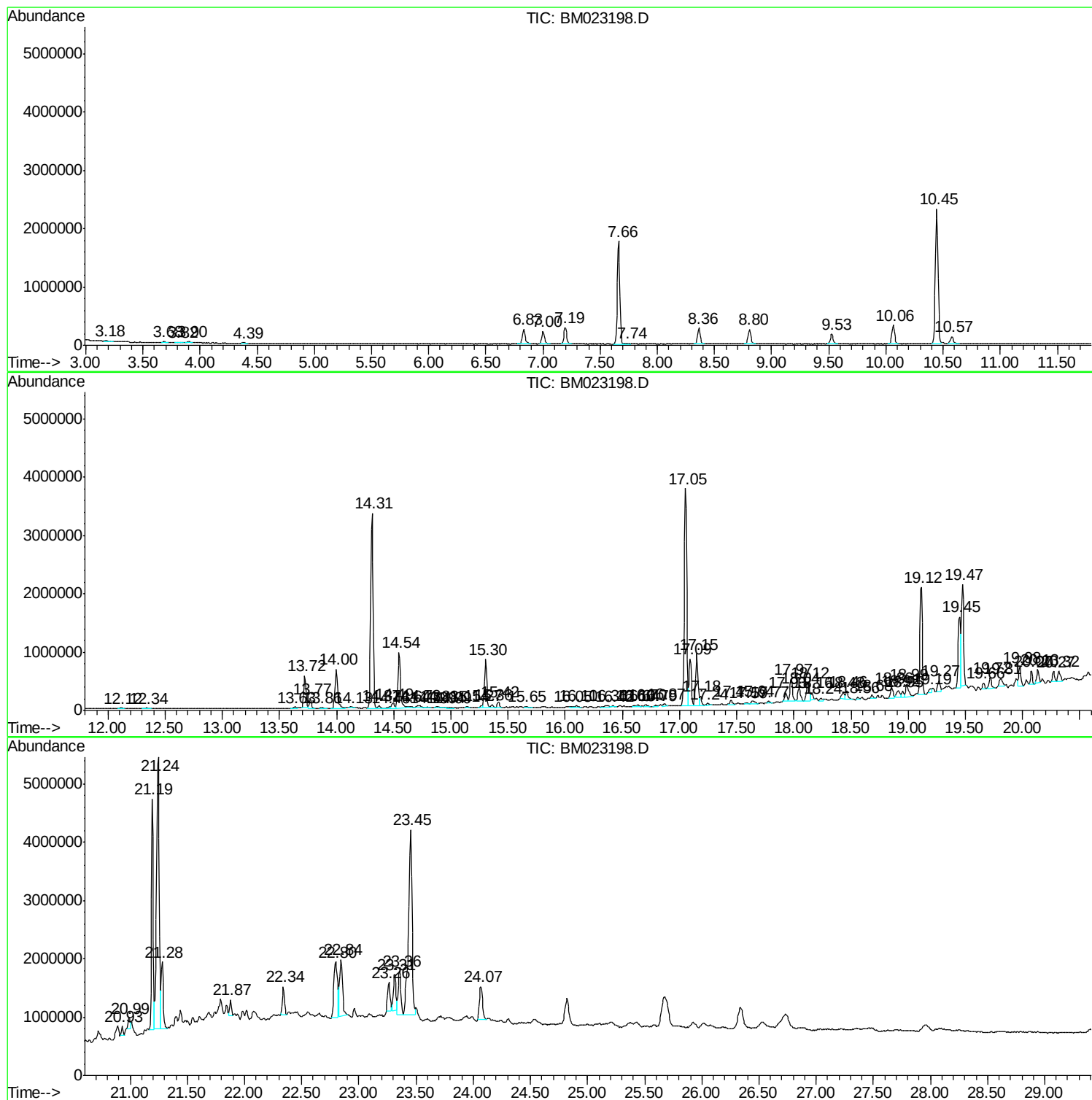
Sum of corrected areas: 71533840

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Quant Title : SVOA CALIBRATION

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



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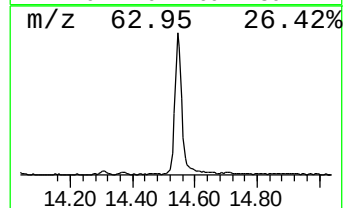
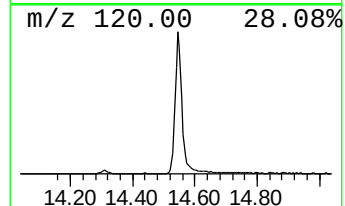
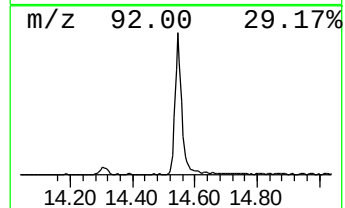
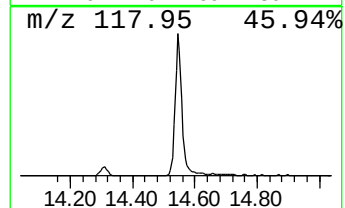
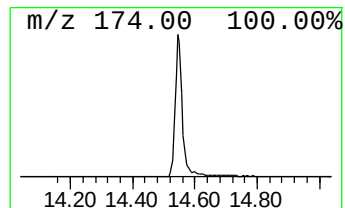
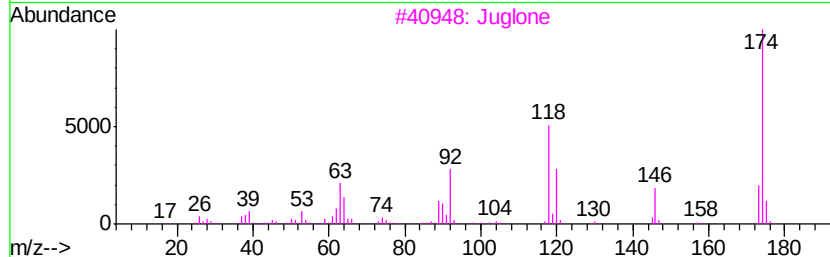
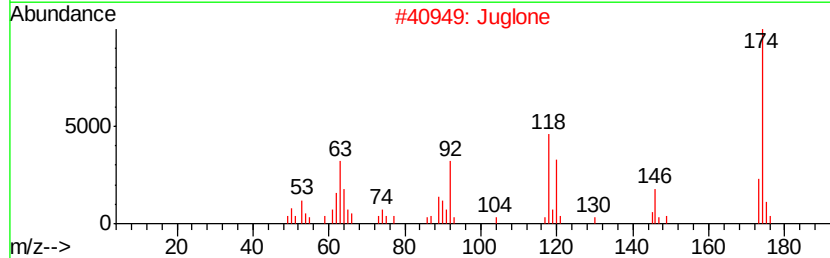
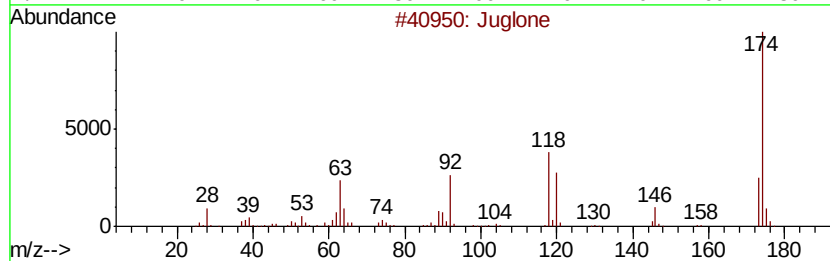
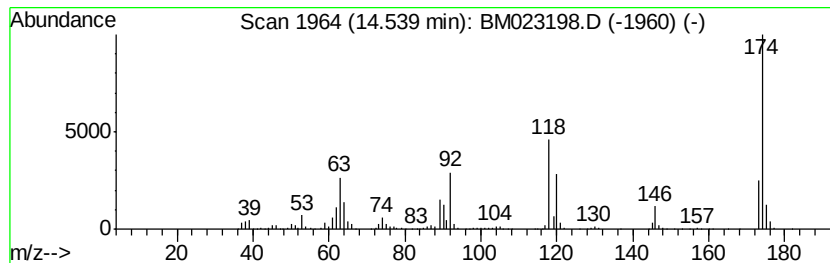
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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.
14.54	6.30 ng/ul	1548720	Acenaphthene-d10	14.31
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Juglone		174 C10H6O3	000481-39-0 98
2	Juglone		174 C10H6O3	000481-39-0 94
3	Juglone		174 C10H6O3	000481-39-0 91
4	2,3-Dimethylchromone		174 C11H10O2	017584-90-6 43
5	8-Quinolinol, 5-nitroso-		174 C9H6N2O2	003565-26-2 43



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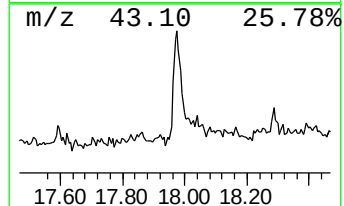
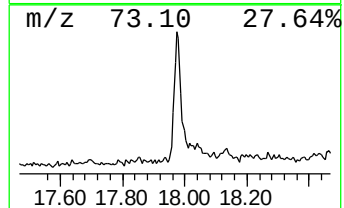
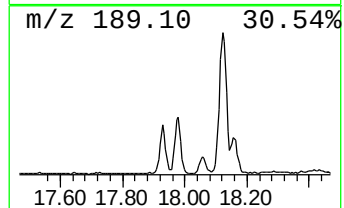
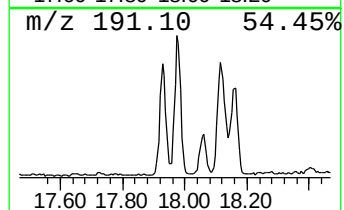
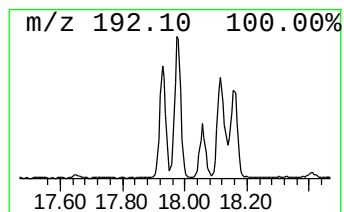
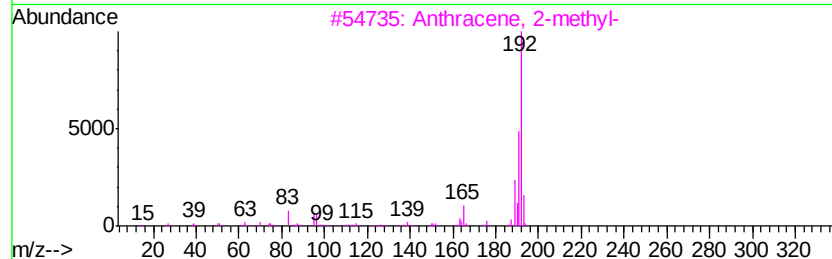
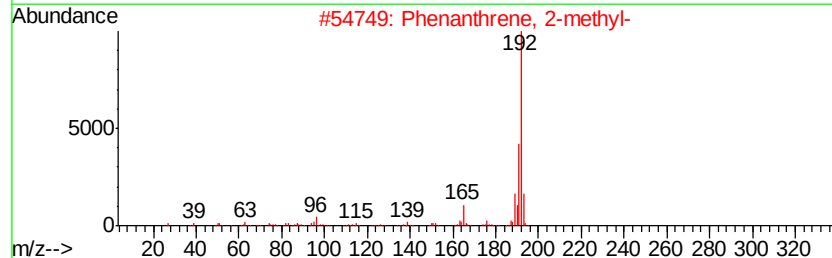
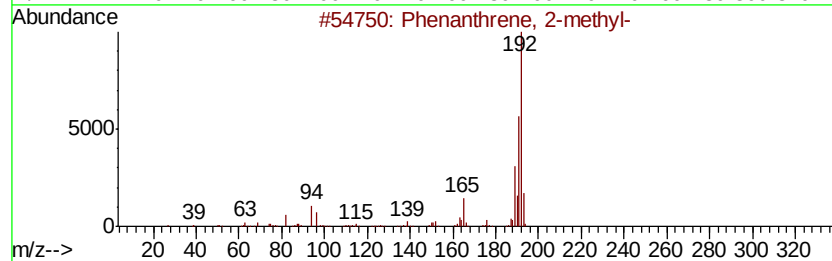
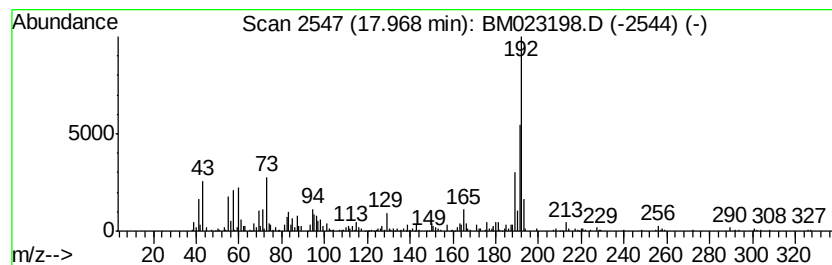
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.97	2.06 ng/ul	547372	Phenanthrene-d10	17.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95



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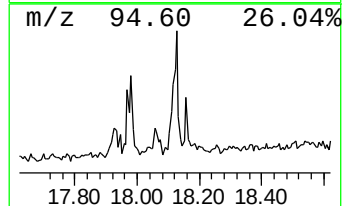
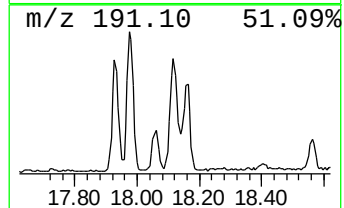
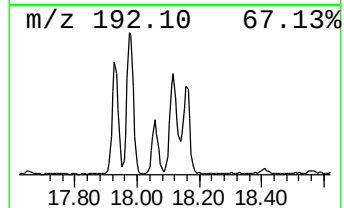
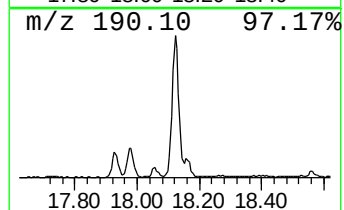
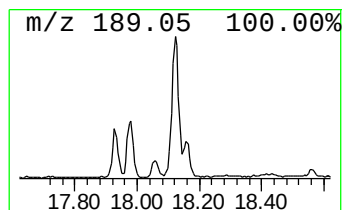
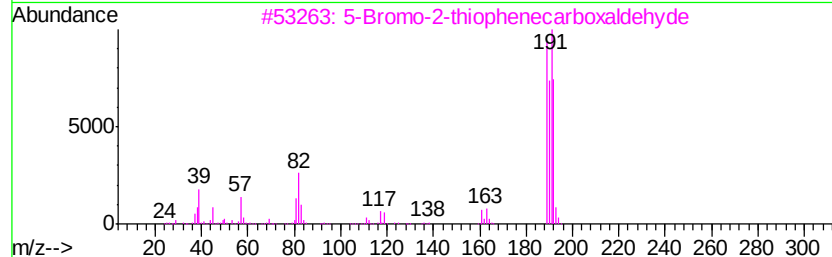
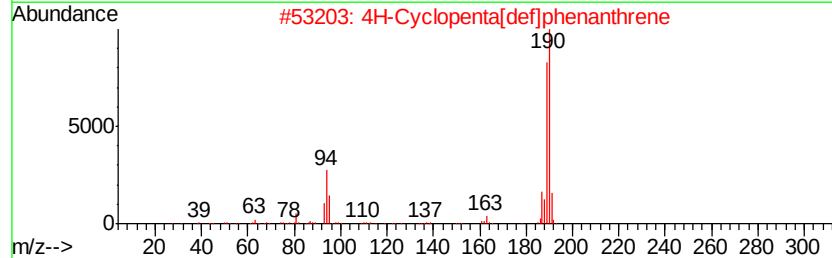
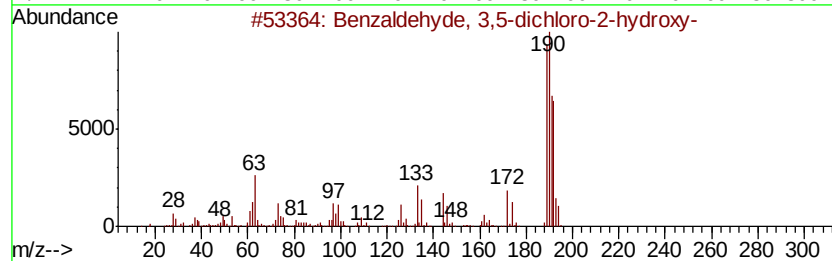
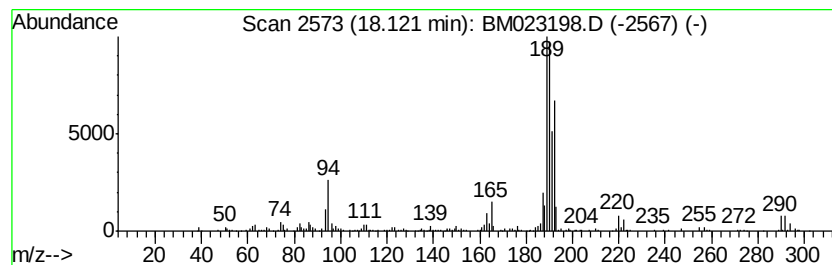
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Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.12	2.34 ng/ul	621096	Phenanthrene-d10	17.05		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3		5-Bromo-2-thiophenecarboxaldehde	190	C5H3BrOS	004701-17-1	52
4		Methyl diselenide	190	C2H6Se2	007101-31-7	45
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023198.D
Acq On : 16 Oct 2019 19:45
Operator : JU
Sample : K5199-09DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP76DL

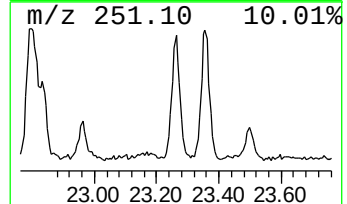
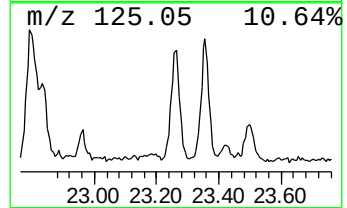
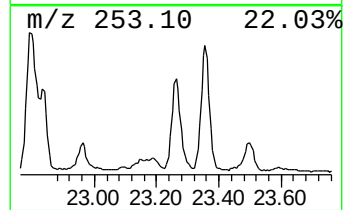
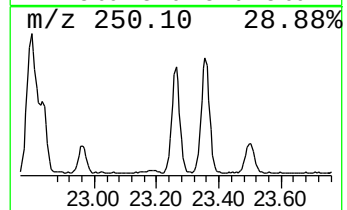
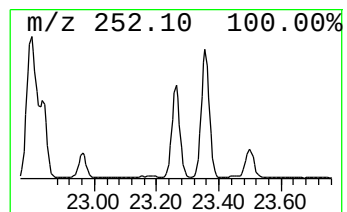
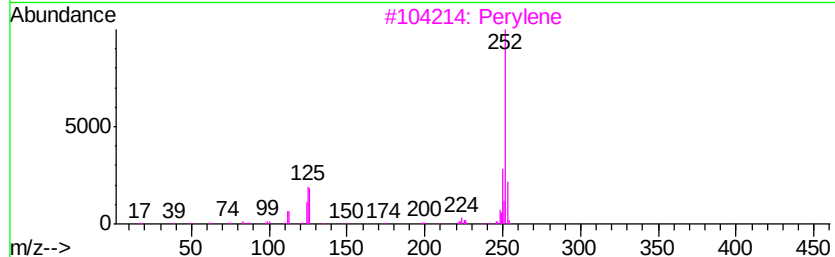
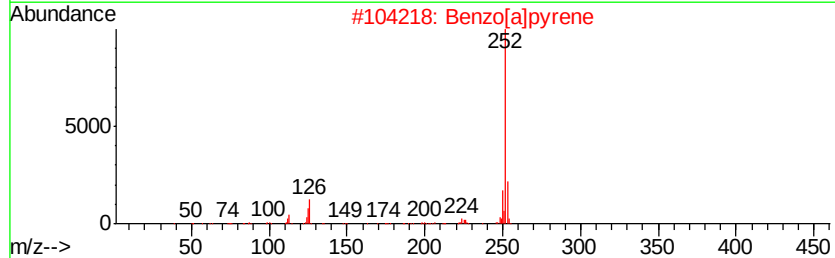
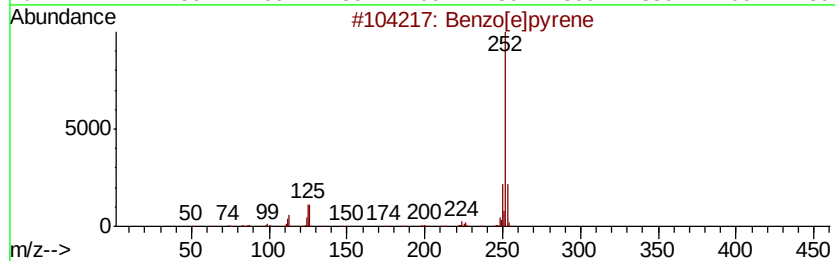
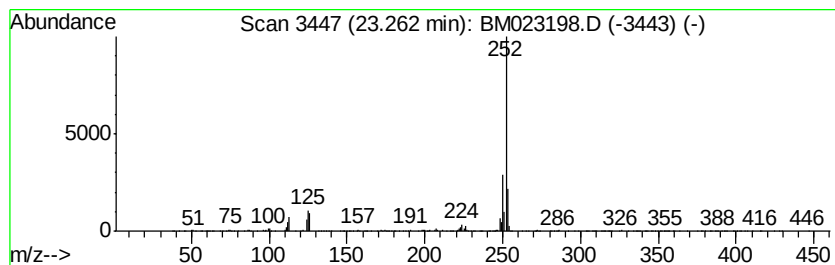
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	2.15 ng/ul	759985	Perylene-d12	23.45

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	94
3			Perylene	252	C20H12	000198-55-0	94
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023198.D
Acq On : 16 Oct 2019 19:45
Operator : JU
Sample : K5199-09DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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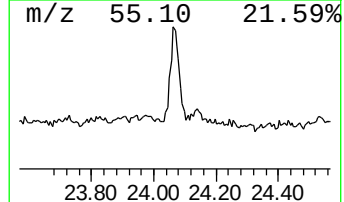
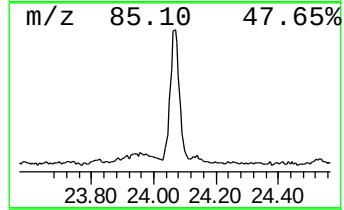
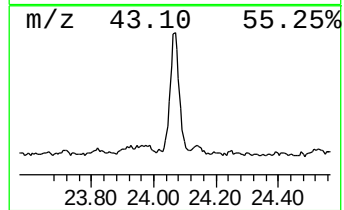
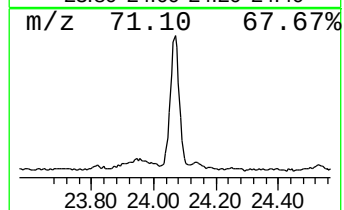
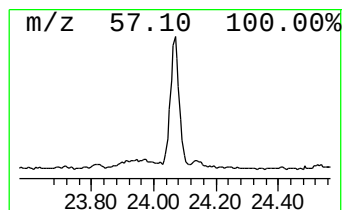
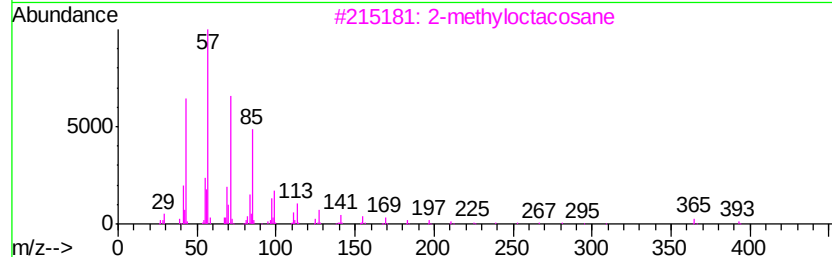
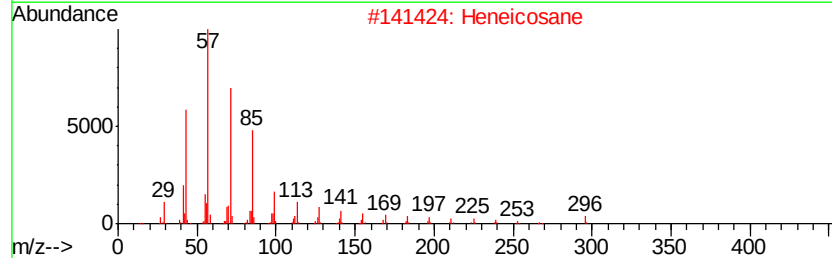
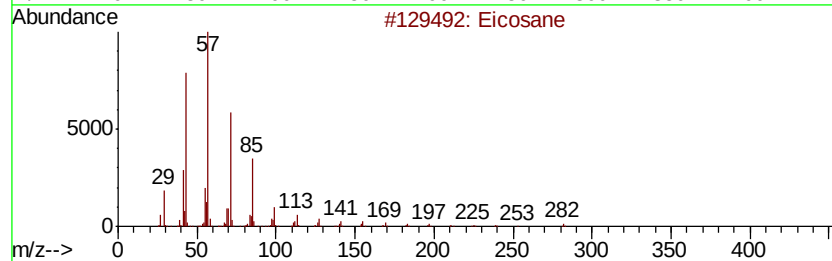
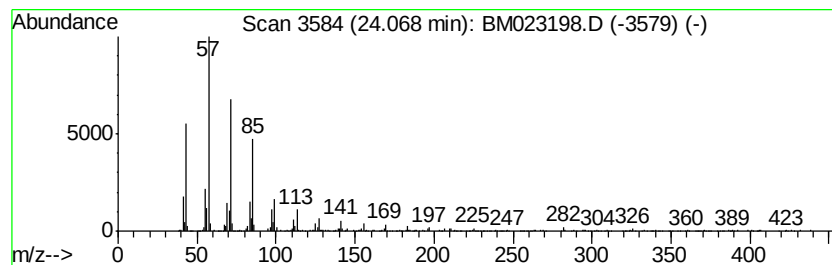
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	2.99 ng/ul	1055330	Perylene-d12	23.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Heneicosane	296	C21H44	000629-94-7	93
3		2-methyloctacosane	408	C29H60	1000376-72-8	90
4		Heneicosane	296	C21H44	000629-94-7	90
5		Triacontane	422	C30H62	000638-68-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101619\
Data File : BM023198.D
Acq On : 16 Oct 2019 19:45
Operator : JU
Sample : K5199-09DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP76DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Juglone	14.54	6.3	ng/ul	1548720	3	14.31	4917340	20.0
Phenanthrene, 2-m...	17.97	2.1	ng/ul	547372	4	17.05	5316600	20.0
Benzaldehyde, 3,5...	18.12	2.3	ng/ul	621096	4	17.05	5316600	20.0
Benzo[e]pyrene	23.26	2.1	ng/ul	759985	6	23.45	7055990	20.0
(DEL) Alkane: Str...	24.07	3.0	ng/ul	1055330	6	23.45	7055990	20.0