LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Data File : BM022298.D
Acq On : 24 Aug 2019 17:39
Operator : HP/JU
Sample : K4373-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AF2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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-BM082219MA.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	3.134	22	25	29	rBV2	5187	6540	0.37%	0.044%
2	3.722	121	125	127	rBV3	2899	4249	0.24%	0.028%
3	6.751	635	640	651	rBB2	31637	63496	3.64%	0.423%
4	6.910	662	667	684	rBB	101390	172524	9.88%	1.149%
5	7.093	692	698	709	rBB	137473	228213	13.07%	1.519%
6	7.551	771	776	785	rBB	139812	216938	12.42%	1.444%
7	8.275	893	899	912	rBB	110429	181938	10.42%	1.211%
8	8.722	968	975	989	rBV	162494	277433	15.89%	1.847%
9	9.040	1025	1029	1032	rBB	1547	2170	0.12%	0.014%
10	9.434	1090	1096	1106	rBV	159908	260267	14.90%	1.733%
11	9.969	1181	1187	1205	rBV	188874	382851	21.92%	2.549%
12	10.328	1241	1248	1255	rBV	204877	337706	19.34%	2.248%
13	10.504	1272	1278	1292	rBV	63736	134928	7.73%	0.898%
14	11.939	1519	1522	1526	rBB	1783	2308	0.13%	0.015%
15	13.633	1804	1810	1815	rBV	484428	675644	38.69%	4.498%
16	13.680	1815	1818	1826	rVV	52934	74506	4.27%	0.496%
17	13.757	1828	1831	1834	rBV	3835	4126	0.24%	0.027%
18	13.786	1834	1836	1840	rVB	3478	3748	0.21%	0.025%
19	13.904	1849	1856	1864	rBV	546377	786839	45.06%	5.239%
20	14.210	1902	1908	1913	rBV	352060	491079	28.12%	3.269%
21	14.275	1913	1919	1928	rVB	409095	570000	32.64%	3.795%
22	14.398	1937	1940	1945	rBV3	925	1772	0.10%	0.012%
23	14.504	1952	1958	1959	rBV3	20099	33888	1.94%	0.226%
24	14.639	1978	1981	1987	rVB5	2385	4119	0.24%	0.027%
25	14.845	2004	2016	2018	rBV4	16124	50549	2.89%	0.337%
26	15.216	2073	2079	2087	rVB	702513	1016833	58.22%	6.770%
27	15.380	2101	2107	2113	rBV2	197526	315356	18.06%	2.100%
28	15.427	2113	2115	2122	rVB5	15694	20895	1.20%	0.139%
29	15.521	2127	2131	2135	rVV4	7240	9855	0.56%	0.066%
30	15.569	2135	2139	2143	rVB2	17675	24281	1.39%	0.162%
31	15.663	2152	2155	2157	rBV4	3966	4322	0.25%	0.029%
32	15.716	2160	2164	2171	rVV2	15635	26999	1.55%	0.180%
33	15.804	2175	2179	2183	rVB3	5682	8422	0.48%	0.056%
34	15.969	2203	2207	2211	rBV3	14123	19777	1.13%	0.132%

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Instrument : BNA_N
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION

35	16.033	2216	2218	2221	rVV4	5298	6991	0.40%	0.047%
36	16.063	2221	2223	2228	rVB3	12649	15160	0.87%	0.101%
37	16.227	2249	2251	2254	rBV4	4731	5014	0.29%	0.033%
38	16.327	2265	2268	2273	rVB4	6836	7323	0.42%	0.049%
39	16.427	2282	2285	2288	rVB	6893	6776	0.39%	0.045%
40	16.792	2345	2347	2351	rVB4	5921	4874	0.28%	0.032%
41	16.974	2372	2378	2383	rBV	477074	642775	36.81%	4.279%
42	17.074	2389	2395	2405	rBV	910047	1273800	72.94%	8.481%
43	17.868	2526	2530	2541	rBV	209910	341673	19.56%	2.275%
44	18.045	2556	2560	2566	rBV	90850	148293	8.49%	0.987%
45	18.351	2609	2612	2617	rVB4	58051	71509	4.09%	0.476%
46	19.051	2723	2731	2738	rVB	335635	445974	25.54%	2.969%
47	19.157	2745	2749	2762	rBV	136019	199597	11.43%	1.329%
48	19.262	2765	2767	2769	rBV2	9668	10488	0.60%	0.070%
49	19.386	2782	2788	2791	rBV	1229127	1746390	100.00%	11.627%
50	19.804	2856	2859	2868	rVB	23330	34115	1.95%	0.227%
51	19.904	2872	2876	2885	rVB3	38304	78681	4.51%	0.524%
52	20.009	2891	2894	2898	rVB2	16266	20072	1.15%	0.134%
53	20.886	3040	3043	3054	rVB5	80929	115897	6.64%	0.772%
54	21.186	3088	3094	3099	rBV	641166	901771	51.64%	6.004%
55	21.739	3186	3188	3192	rVB	47690	47358	2.71%	0.315%
56	22.186	3261	3264	3270	rVB	76784	101534	5.81%	0.676%
57	22.674	3344	3347	3352	rVB	105664	132663	7.60%	0.883%
58	23.239	3435	3443	3453	rBV	757288	1457956	83.48%	9.707%
59	23.374	3461	3466	3474	rVB	363945	644248	36.89%	4.289%
60	23.833	3540	3544	3551	rVB	82724	144516	8.28%	0.962%

Sum of corrected areas: 15020019

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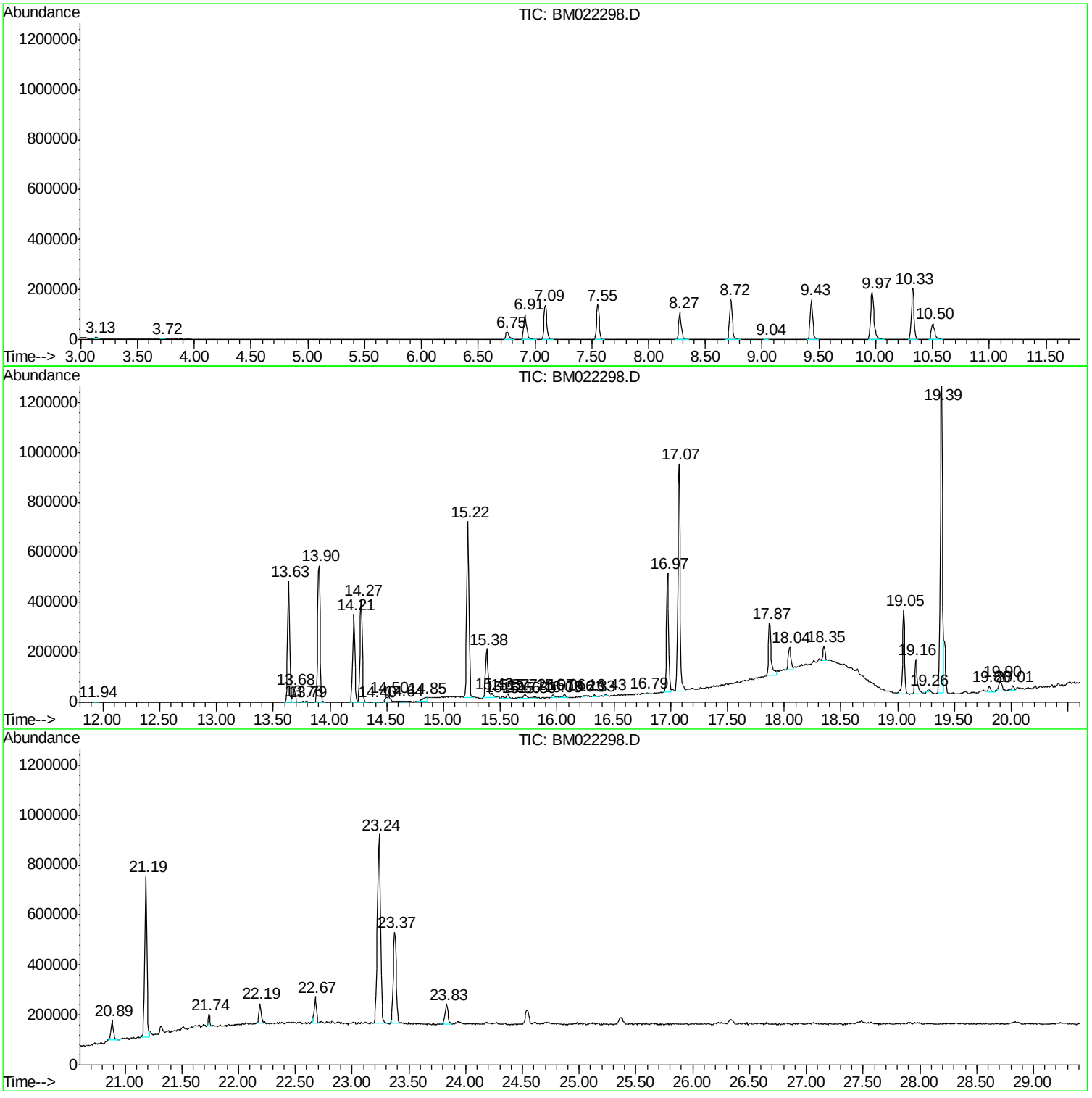
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



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****
Peak Number 1 Sulfur Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.06 ng/ul	50549	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur	192	S6	013798-23-7	90
2	5-Nitro-2-furaldoxime	156	C5H4N2O4	000555-15-7	50
3	Sulfur	192	S6	013798-23-7	47
4	2-Chloro-7-methoxynaphthalene	192	C11H9ClO	067061-67-0	9
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

****
Peak Number 2 Tridecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	10.63 ng/ul	341673	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
4	Tridecanoic acid	214	C13H26O2	000638-53-9	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	83

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.61 ng/ul	148293	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55

****
Peak Number 4 1H-Cycloprop[e]azulene, dec... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

18.35	2.23 ng/ul	71509	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, decahydr...	206	C15H26	028580-43-0	56
2	Cyclohexane, 1,1,2-trimethyl-3,5...	206	C15H26	062337-96-6	46
3	1H-Cycloprop[e]azulene, decahydr...	206	C15H26	028580-43-0	40
4	1,4-Benzenediamine, N,N,N',N'-te...	164	C10H16N2	000100-22-1	25
5	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	25

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Peak Number 5 Tetradecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	4.43 ng/ul	199597	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Undecanoic acid	186	C11H22O2	000112-37-8	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50

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Peak Number 6 Dichloroacetic acid, heptad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.57 ng/ul	115897	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
4	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	94
5	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	93

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Peak Number 7 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.19	2.25 ng/ul	101534	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Misc :
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Instrument : BNA_N
ClientSampleId : C0AF2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

1	Octacosane	394	C28H58	000630-02-4	90
2	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
3	Heptadecane	240	C17H36	000629-78-7	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Nonadecane	268	C19H40	000629-92-5	87

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Peak Number 8 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	4.12 ng/ul	132663	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Eicosane	282	C20H42	000112-95-8	93
3	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tetracosane	338	C24H50	000646-31-1	87

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Peak Number 9 Hexacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	4.49 ng/ul	144516	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Triacontane	422	C30H62	000638-68-6	90
3	Docosane, 11-decyl-	451	C32H66	055401-55-3	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Tetratriacontane	479	C34H70	014167-59-0	90

Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur	14.85	2.1	ng/ul	50549	3	14.21	491079	20.0
Tridecanoic acid	17.87	10.6	ng/ul	341673	4	16.97	642775	20.0
4H-Cyclopenta[def...	18.04	4.6	ng/ul	148293	4	16.97	642775	20.0
1H-Cycloprop[e]az...	18.35	2.2	ng/ul	71509	4	16.97	642775	20.0
Tetradecanoic acid	19.16	4.4	ng/ul	199597	5	21.19	901771	20.0
Dichloroacetic ac...	20.89	2.6	ng/ul	115897	5	21.19	901771	20.0
Octacosane	22.19	2.3	ng/ul	101534	5	21.19	901771	20.0
Eicosane	22.67	4.1	ng/ul	132663	6	23.37	644248	20.0
Hexacosane	23.83	4.5	ng/ul	144516	6	23.37	644248	20.0