LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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_N\METHODS\SOM-EPA-BN021220MA.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	3.305	53	54	61	rVB6	3130	5054	0.18%	0.028%
2	3.705	120	122	126	rVB5	3543	5008	0.18%	0.027%
3	4.522	258	261	265	rBV5	2335	3558	0.13%	0.019%
4	4.599	269	274	276	rBV4	4928	7908	0.29%	0.043%
5	6.452	583	589	590	rVV4	2111	3824	0.14%	0.021%
6	6.616	612	617	618	rBV3	5631	6643	0.24%	0.036%
7	6.758	636	641	648	rBV	8450	17140	0.62%	0.094%
8	6.940	666	672	678	rBV3	10122	19017	0.69%	0.104%
9	7.381	740	747	762	rBV	334817	581950	21.21%	3.179%
10	7.922	834	839	846	rVV5	11045	25680	0.94%	0.140%
11	8.140	870	876	881	rBV5	6622	15366	0.56%	0.084%
12	8.558	943	947	959	rBV3	9393	21796	0.79%	0.119%
13	9.269	1062	1068	1069	rBV3	3316	4367	0.16%	0.024%
14	9.863	1164	1169	1175	rBV4	4630	11113	0.41%	0.061%
15	9.922	1178	1179	1185	rVB3	3197	3688	0.13%	0.020%
16	10.128	1205	1214	1235	rBV	436995	841314	30.66%	4.595%
17	10.381	1255	1257	1261	rVV2	2555	4097	0.15%	0.022%
18	11.846	1501	1506	1508	rBV3	4411	7130	0.26%	0.039%
19	13.463	1776	1781	1788	rBV2	28382	51468	1.88%	0.281%
20	13.516	1788	1790	1793	rVB2	4650	5286	0.19%	0.029%
21	13.710	1817	1823	1826	rBV	35084	55334	2.02%	0.302%
22	13.740	1826	1828	1836	rVB	20524	30224	1.10%	0.165%
23	14.022	1869	1876	1885	rBV	699063	1069387	38.97%	5.841%
24	14.093	1885	1888	1892	rVB5	4718	6789	0.25%	0.037%
25	14.451	1945	1949	1954	rVB4	7390	13636	0.50%	0.074%
26	15.040	2043	2049	2054	rBV	53650	83448	3.04%	0.456%
27	15.092	2054	2058	2065	rVB2	27314	47082	1.72%	0.257%
28	15.228	2076	2081	2084	rBV5	2590	3790	0.14%	0.021%
29	15.316	2091	2096	2097	rBV3	2609	3870	0.14%	0.021%
30	15.628	2144	2149	2151	rBV2	2257	4033	0.15%	0.022%
31	15.787	2172	2176	2177	rBV2	5975	8281	0.30%	0.045%
32	15.804	2177	2179	2184	rVB4	9668	12521	0.46%	0.068%
33	16.234	2248	2252	2257	rBV5	3111	5195	0.19%	0.028%
34	16.575	2306	2310	2314	rVV4	7062	10325	0.38%	0.056%

LSC Area Percent Report

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Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

35	16.622	2314	2318	2325	rVB6	8734	17161	0.63%	0.094%
36	16.704	2329	2332	2336	rVB3	3268	4709	0.17%	0.026%
37	16.781	2339	2345	2349	rBV	887295	1258845	45.88%	6.876%
38	16.822	2349	2352	2357	rVB	85301	109366	3.99%	0.597%
39	16.910	2362	2367	2378	rVV	1817774	2743884	100.00%	14.987%
40	17.063	2389	2393	2397	rVB3	8828	11273	0.41%	0.062%
41	17.198	2410	2416	2425	rBV	212187	327131	11.92%	1.787%
42	17.310	2432	2435	2438	rBV3	6931	8600	0.31%	0.047%
43	17.469	2458	2462	2464	rVB3	2923	3181	0.12%	0.017%
44	17.581	2478	2481	2486	rVV6	3191	5769	0.21%	0.032%
45	17.663	2492	2495	2498	rBV4	4888	5530	0.20%	0.030%
46	17.710	2500	2503	2508	rBV4	13473	18992	0.69%	0.104%
47	17.798	2511	2518	2523	rBV	35184	58339	2.13%	0.319%
48	17.863	2525	2529	2532	rBV5	11408	15148	0.55%	0.083%
49	17.975	2545	2548	2551	rBV3	3786	6038	0.22%	0.033%
50	18.010	2551	2554	2560	rVB6	8990	15419	0.56%	0.084%
51	18.069	2560	2564	2567	rBV4	8394	11841	0.43%	0.065%
52	18.139	2573	2576	2581	rVB5	6169	9391	0.34%	0.051%
53	18.222	2583	2590	2596	rBV6	18526	35207	1.28%	0.192%
54	18.298	2602	2603	2608	rVB5	4633	5720	0.21%	0.031%
55	18.351	2610	2612	2613	rBV	4811	4030	0.15%	0.022%
56	18.516	2637	2640	2642	rVB4	7235	8401	0.31%	0.046%
57	18.557	2645	2647	2649	rBV3	4110	4255	0.16%	0.023%
58	18.581	2649	2651	2654	rBV4	7899	10558	0.38%	0.058%
59	18.651	2660	2663	2668	rBV7	9087	18302	0.67%	0.100%
60	18.745	2675	2679	2683	rBV5	16787	27054	0.99%	0.148%
61	18.857	2693	2698	2704	rBV	133230	186725	6.81%	1.020%
62	18.963	2714	2716	2720	rVV	20729	22768	0.83%	0.124%
63	19.010	2722	2724	2731	rVB6	11028	12811	0.47%	0.070%
64	19.092	2734	2738	2742	rBV2	33155	45719	1.67%	0.250%
65	19.192	2750	2755	2756	rBV2	112016	139655	5.09%	0.763%
66	19.216	2756	2759	2763	rVV	217381	304249	11.09%	1.662%
67	19.251	2763	2765	2769	rVV4	25277	33979	1.24%	0.186%
68	19.310	2772	2775	2780	rVB7	10922	16132	0.59%	0.088%
69	19.416	2789	2793	2798	rBV6	14202	23284	0.85%	0.127%
70	19.475	2799	2803	2810	rVB	63352	99854	3.64%	0.545%
71	19.557	2813	2817	2819	rBV5	24220	38313	1.40%	0.209%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

72	19.704	2836	2842	2851	rBV3	50106	127455	4.65%	0.696%
73	19.786	2853	2856	2859	rBV5	11641	13746	0.50%	0.075%
74	19.828	2861	2863	2867	rVB4	18076	17552	0.64%	0.096%
75	19.886	2868	2873	2877	rBV3	45947	68287	2.49%	0.373%
76	20.028	2893	2897	2901	rBV	46261	61939	2.26%	0.338%
77	20.075	2901	2905	2910	rVV6	28202	46339	1.69%	0.253%
78	20.392	2956	2959	2963	rBV5	17328	29803	1.09%	0.163%
79	20.451	2965	2969	2972	rVV	37296	53349	1.94%	0.291%
80	20.486	2972	2975	2985	rVV7	34318	89788	3.27%	0.490%
81	20.645	3000	3002	3006	rBV2	24475	30283	1.10%	0.165%
82	20.686	3006	3009	3011	rVV3	42136	47148	1.72%	0.258%
83	20.722	3011	3015	3022	rVB2	96486	170472	6.21%	0.931%
84	20.828	3031	3033	3037	rVB	56601	54177	1.97%	0.296%
85	20.998	3057	3062	3067	rBV	1166974	1684550	61.39%	9.201%
86	21.033	3067	3068	3074	rVB	171320	167603	6.11%	0.915%
87	21.151	3086	3088	3091	rVB	42603	37790	1.38%	0.206%
88	21.310	3112	3115	3120	rVB	71759	93927	3.42%	0.513%
89	22.033	3236	3238	3245	rVB2	97210	126577	4.61%	0.691%
90	22.145	3254	3257	3262	rVB	156559	204256	7.44%	1.116%
91	22.257	3272	3276	3282	rVB5	94060	156792	5.71%	0.856%
92	22.486	3309	3315	3328	rBV	752583	1897261	69.15%	10.363%
93	22.645	3338	3342	3347	rVB	114726	160741	5.86%	0.878%
94	22.922	3384	3389	3394	rBV	304468	485872	17.71%	2.654%
95	23.010	3399	3404	3410	rVB2	457150	733665	26.74%	4.007%
96	23.098	3413	3419	3424	rBV	848111	1405055	51.21%	7.674%
97	23.598	3500	3504	3511	rVB	127745	214459	7.82%	1.171%
98	24.263	3612	3617	3623	rVB	97656	188363	6.86%	1.029%
99	25.139	3760	3766	3775	rVB3	250841	629805	22.95%	3.440%
100	25.374	3800	3806	3814	rVB2	267299	648478	23.63%	3.542%

Sum of corrected areas: 18308487

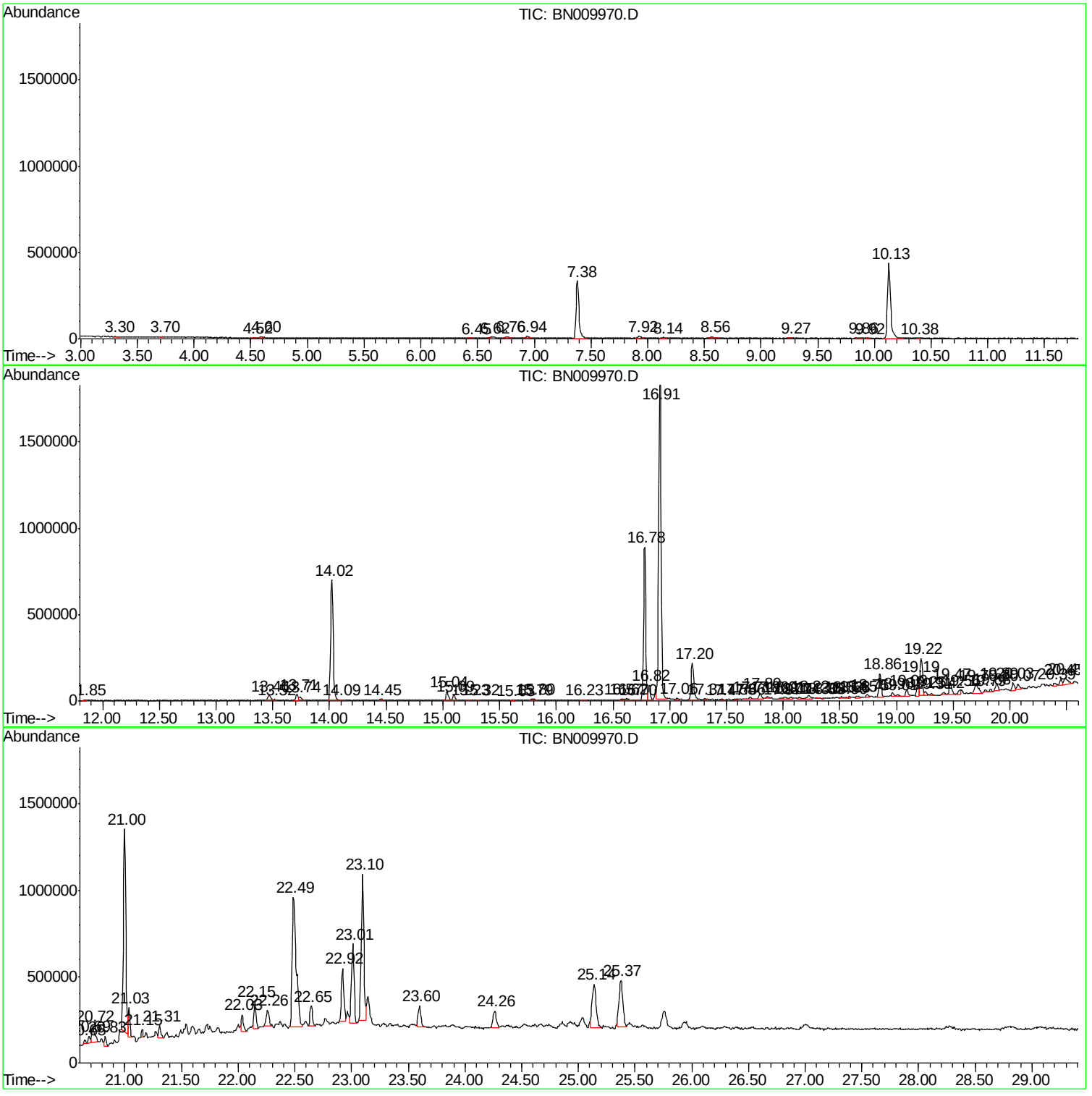
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

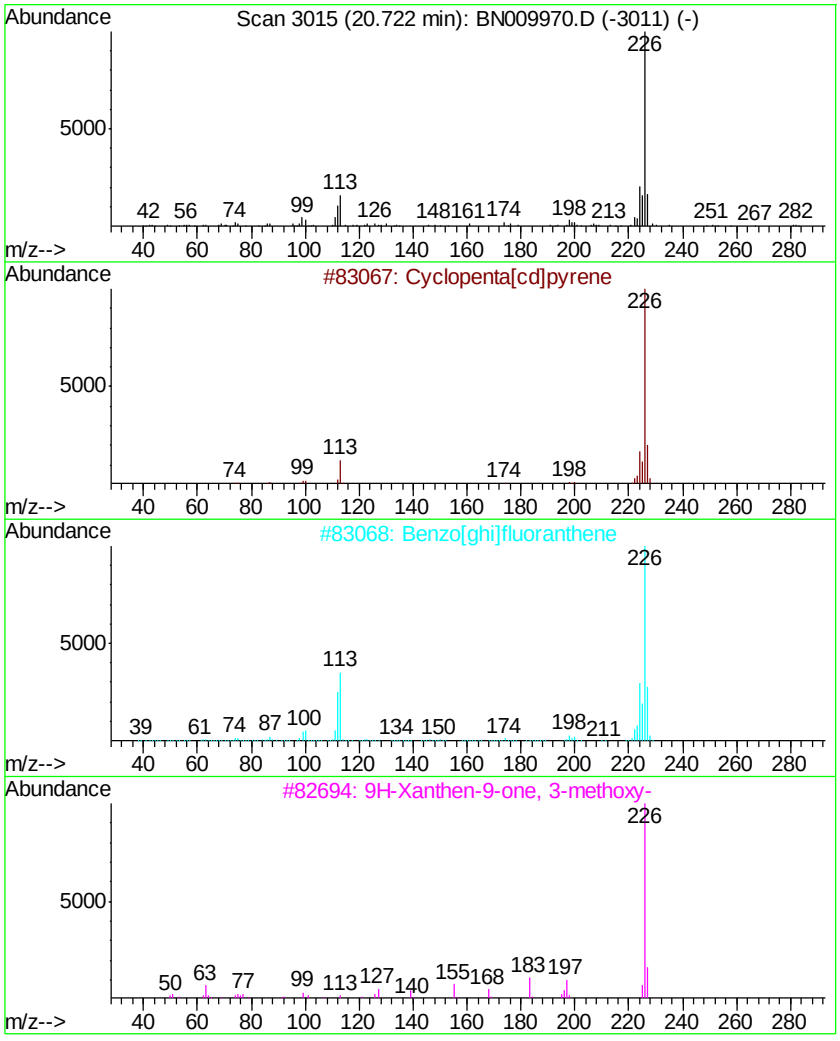
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

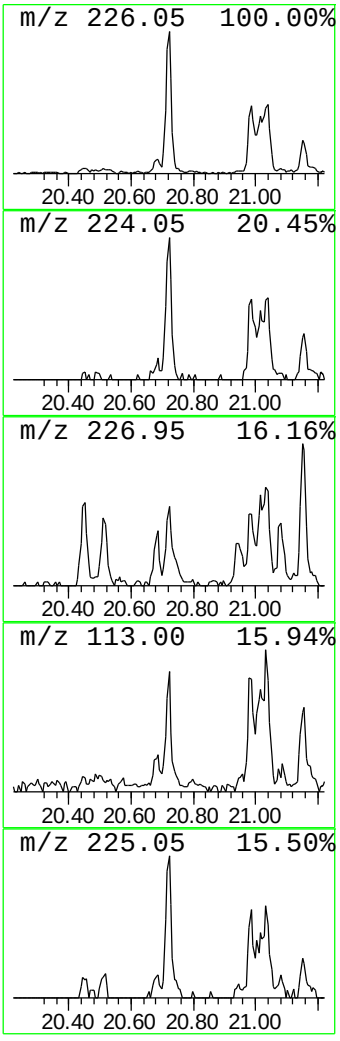
****

Peak Number 1 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	2.02 ng/ul	170472	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

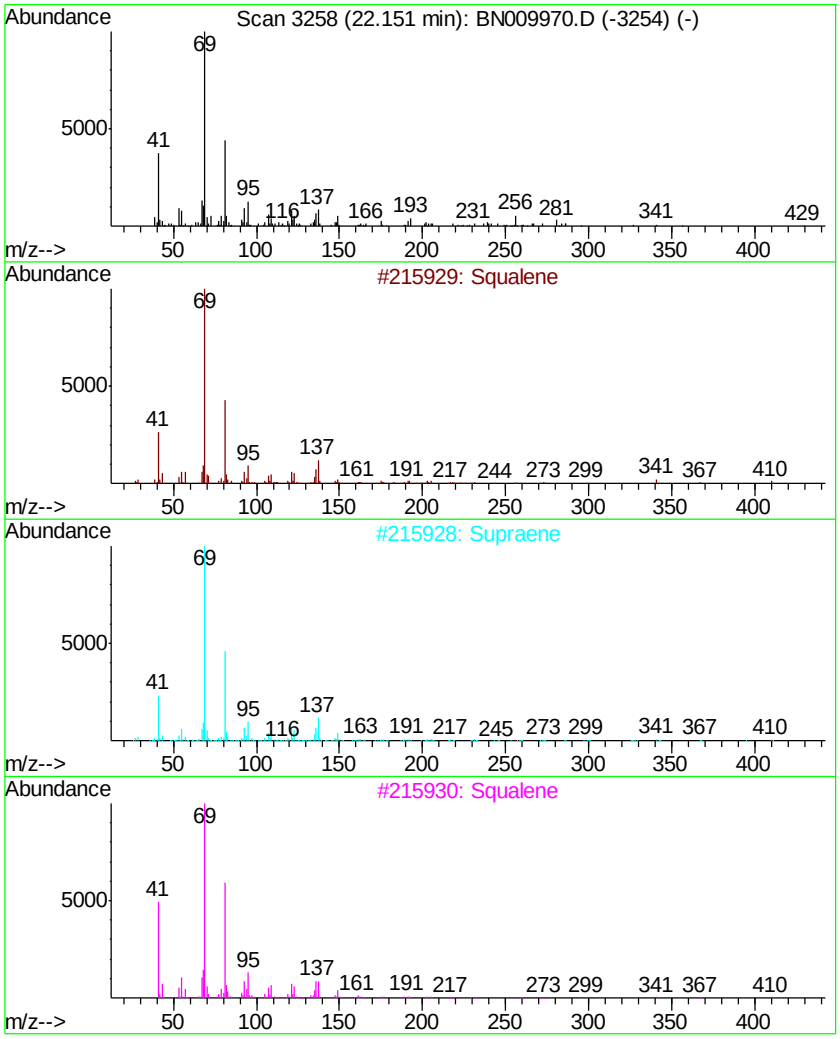
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

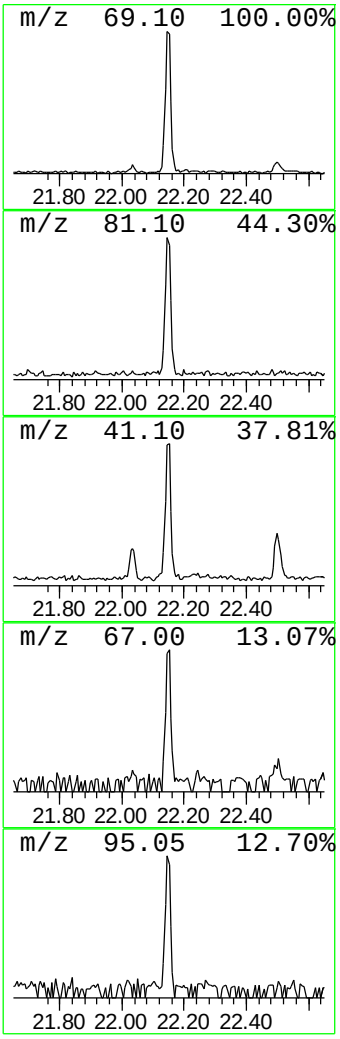
****

Peak Number 2 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	2.91 ng/ul	204256	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	72
2	Supraene	410	C30H50	007683-64-9	64
3	Squalene	410	C30H50	000111-02-4	64
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	59
5	2,6-Octadiene, 4,5-dimethyl-	138	C10H18	018476-57-8	58





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

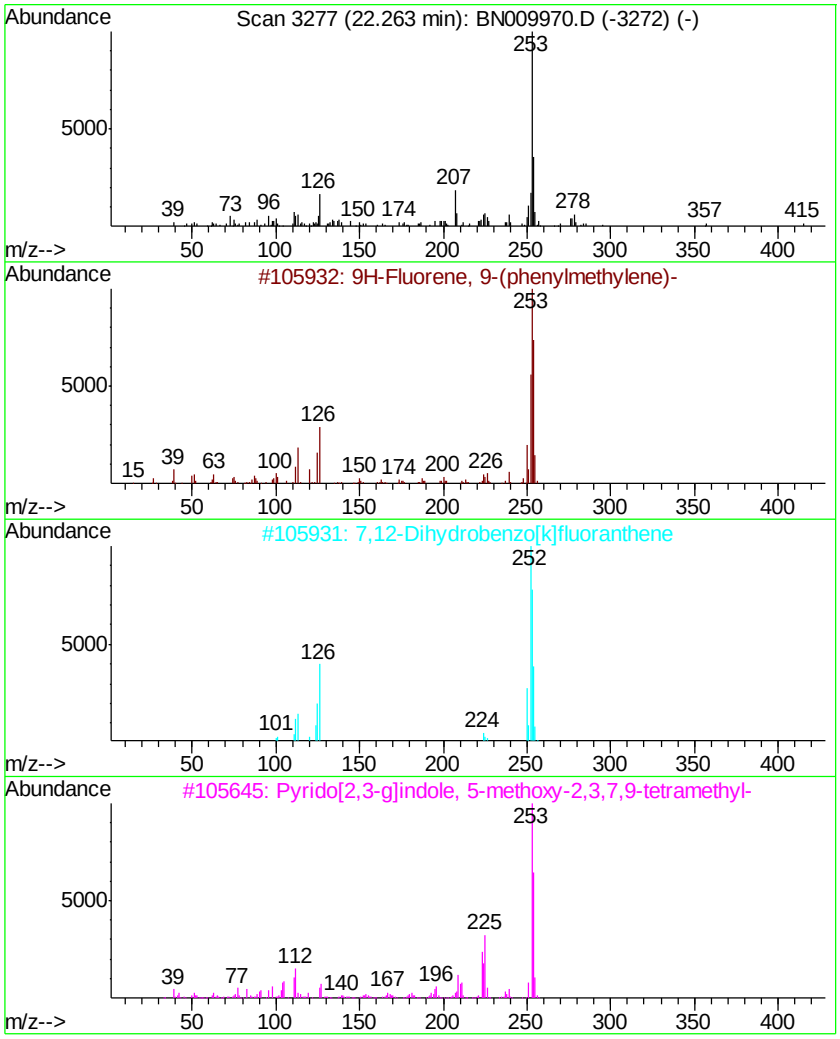
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

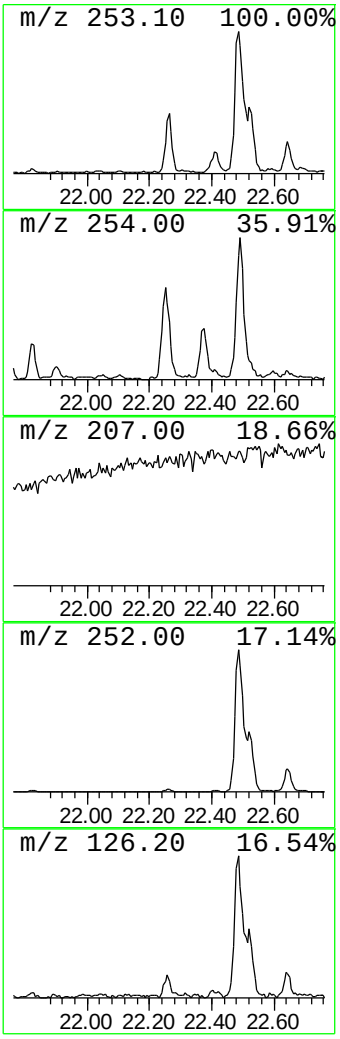
****

Peak Number 3 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.26	2.23 ng/ul	156792	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	83
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	80
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	68
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	58
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53





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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

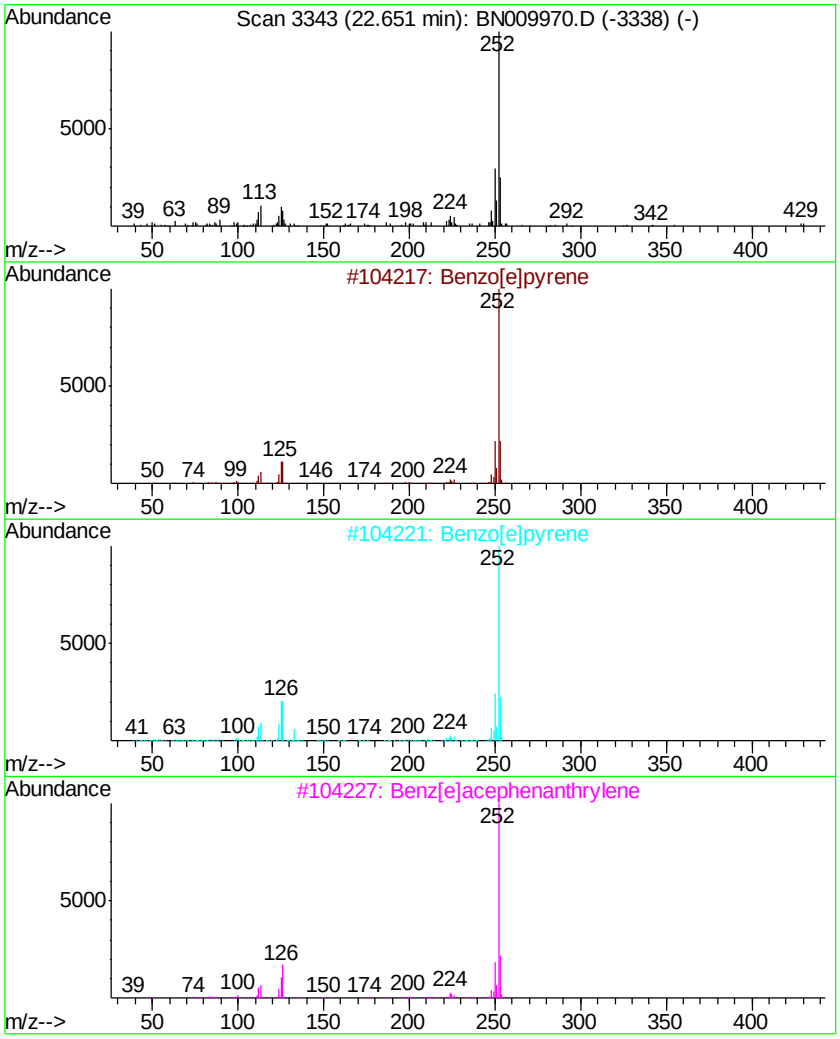
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

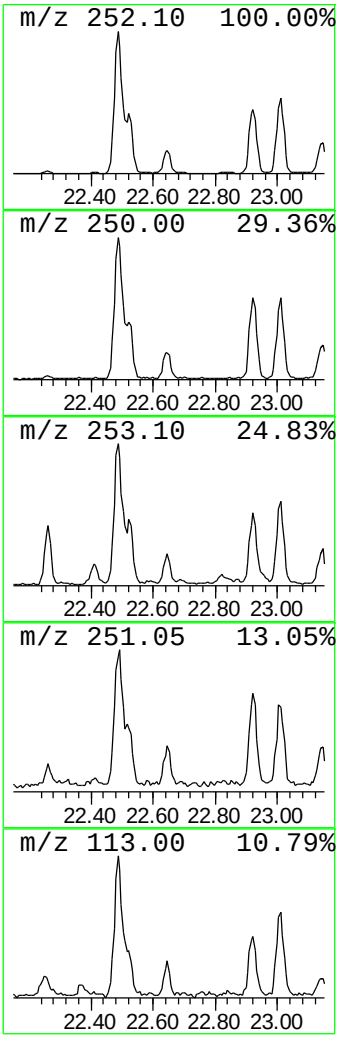
****

Peak Number 4 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	2.29 ng/ul	160741	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	91





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Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

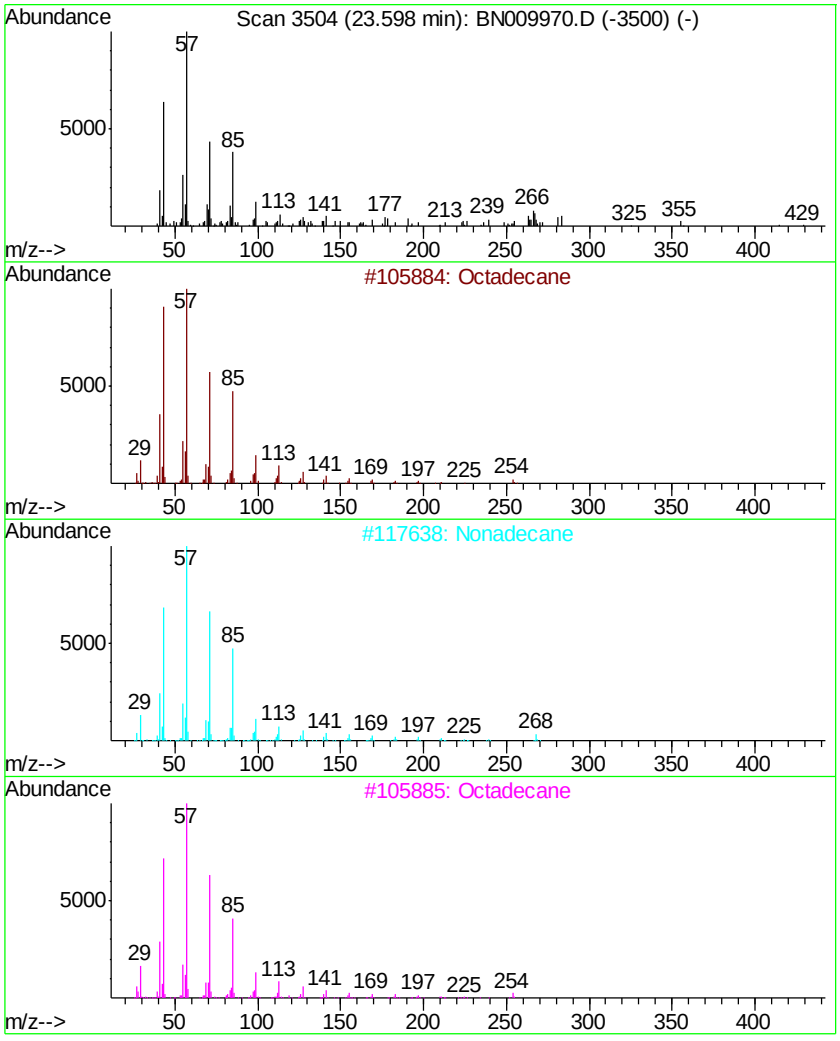
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

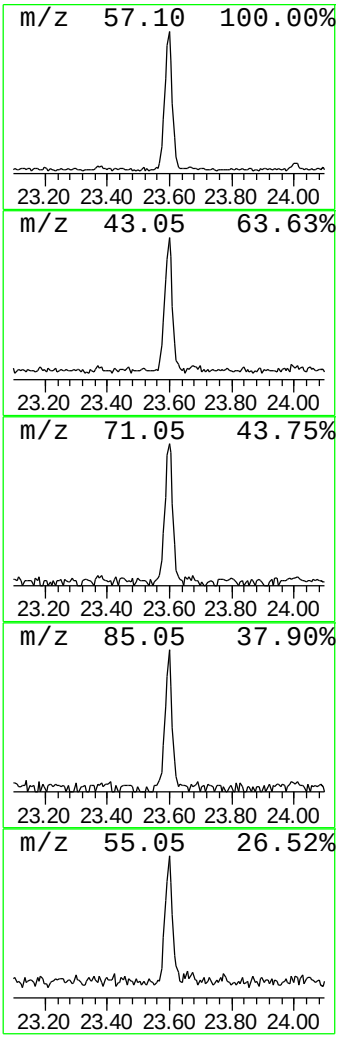
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	3.05 ng/ul	214459	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Nonadecane	268	C19H40	000629-92-5	96
3	Octadecane	254	C18H38	000593-45-3	91
4	Octacosane	394	C28H58	000630-02-4	76
5	Hexadecane	226	C16H34	000544-76-3	76





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Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

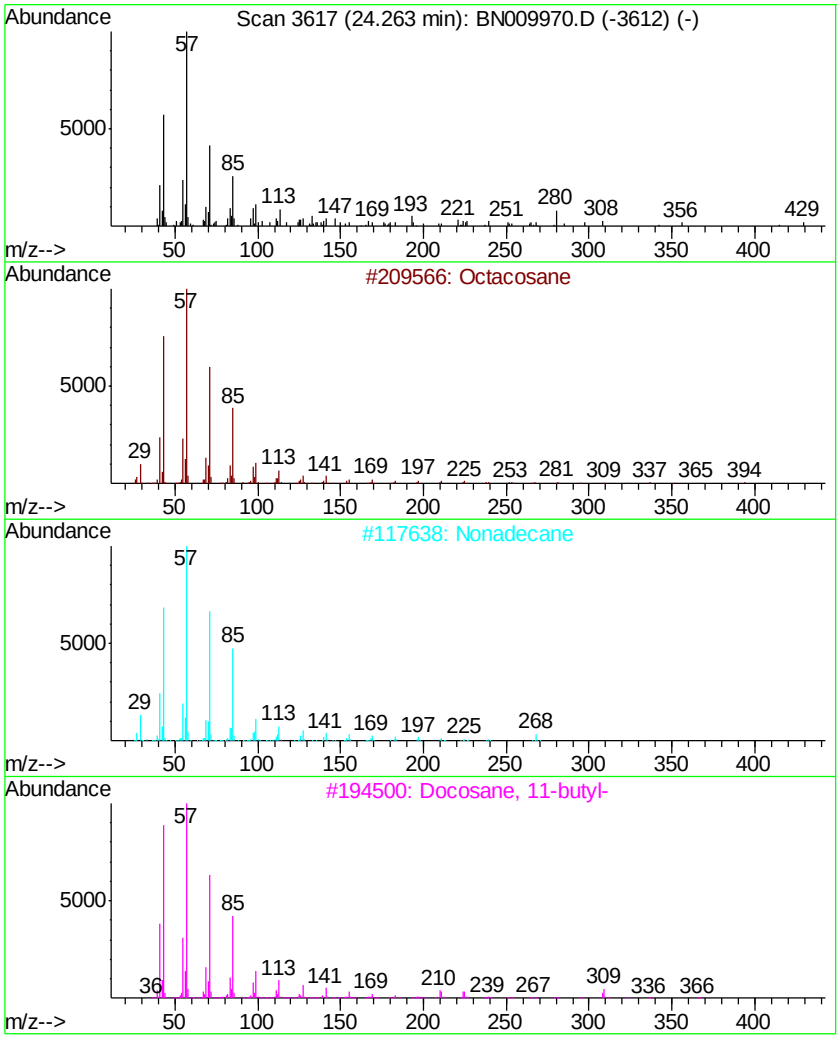
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

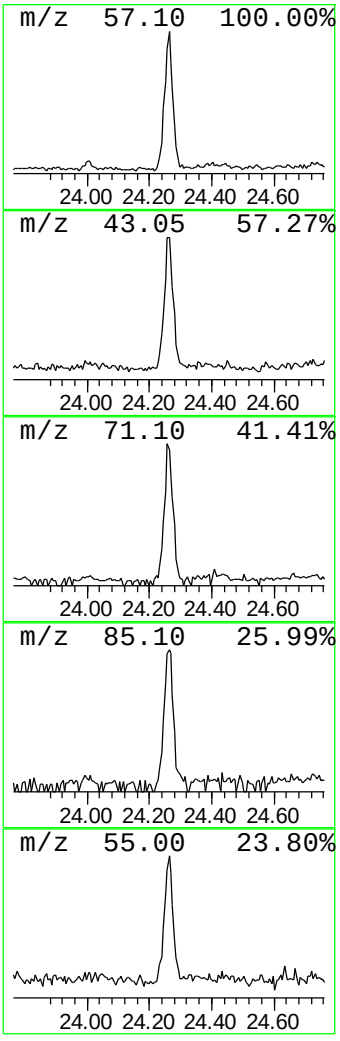
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.26	2.68 ng/ul	188363	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Nonadecane	268	C19H40	000629-92-5	86
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	81
4	Hexadecane	226	C16H34	000544-76-3	76
5	Heptadecane	240	C17H36	000629-78-7	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

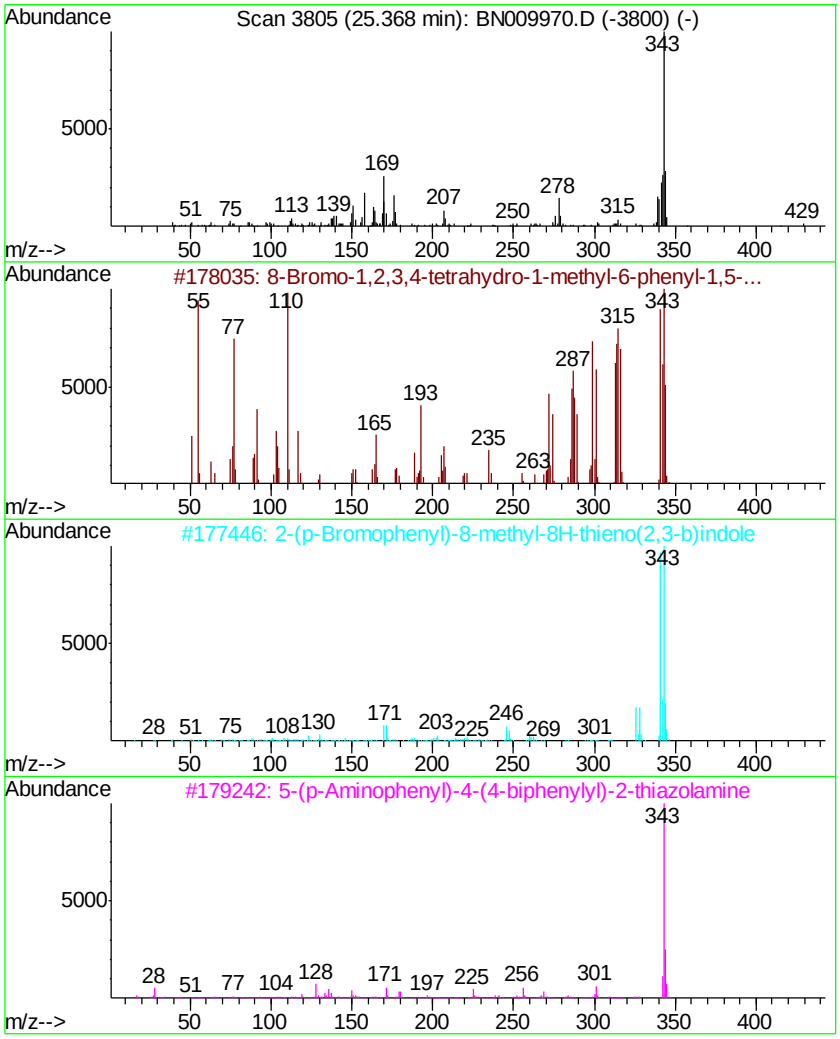
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

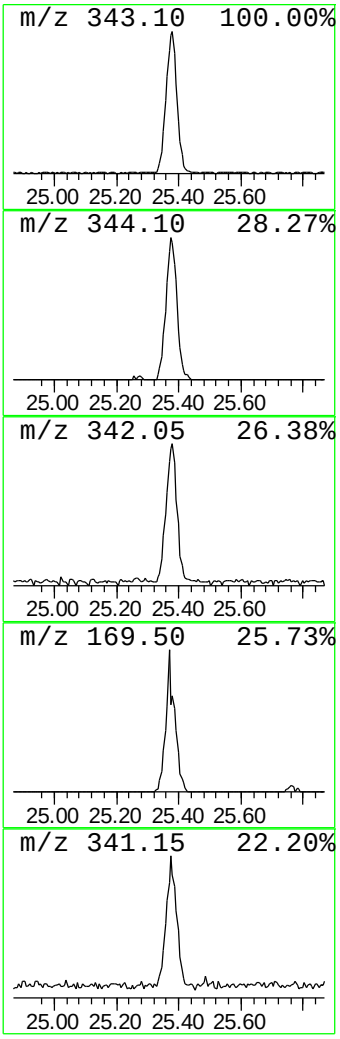
****

Peak Number 7 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.37	9.23 ng/ul	648478	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	95
2	2-(p-Bromophenyl)-8-methyl-8H-th...	341	C17H12BrNS	022315-11-3	33
3	5-(p-Aminophenyl)-4-(4-biphenylv...	343	C21H17N3S	094863-57-7	32
4	1,3,9,11,2,10-Parazabol, 2,2,10,...	372	C22H30B2N4	1000157-80-0	32
5	Silane, diethylpentadecyloxyprop...	372	C22H48O2Si	1000363-96-2	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022620\
Data File : BN009970.D
Acq On : 27 Feb 2020 18:53
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopenta[cd]pyrene	20.72	2.0	ng/ul	170472	5	21.00	1684550	20.0
Squalene	22.15	2.9	ng/ul	204256	6	23.10	1405060	20.0
9H-Fluorene, 9-(p...	22.26	2.2	ng/ul	156792	6	23.10	1405060	20.0
Benzo[e]pyrene	22.65	2.3	ng/ul	160741	6	23.10	1405060	20.0
(DEL) Alkane: Str...	23.60	3.0	ng/ul	214459	6	23.10	1405060	20.0
(DEL) Alkane: Str...	24.26	2.7	ng/ul	188363	6	23.10	1405060	20.0
8-Bromo-1,2,3,4-t...	25.37	9.2	ng/ul	648478	6	23.10	1405060	20.0