LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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	3.111	19	21	26	rVB4	3729	3993	0.12%	0.019%
2	3.622	106	108	114	rVB4	3325	4647	0.14%	0.023%
3	3.699	119	121	125	rVB3	4003	4551	0.14%	0.022%
4	4.581	268	271	278	rBV4	4565	8550	0.27%	0.042%
5	4.752	295	300	304	rVB4	2918	6334	0.20%	0.031%
6	6.610	611	616	620	rBV5	8670	17555	0.55%	0.086%
7	6.752	635	640	645	rBV	9530	18333	0.57%	0.089%
8	6.934	666	671	682	rBV3	13609	25968	0.81%	0.127%
9	7.375	739	746	758	rBV	373971	644494	20.06%	3.145%
10	7.916	832	838	844	rBV3	13178	29353	0.91%	0.143%
11	8.128	867	874	880	rBV6	8161	17603	0.55%	0.086%
12	8.252	890	895	899	rVB4	3670	6296	0.20%	0.031%
13	8.552	942	946	952	rBV6	10116	19707	0.61%	0.096%
14	9.257	1061	1066	1072	rBV7	3808	7583	0.24%	0.037%
15	9.857	1163	1168	1170	rBV2	5157	7499	0.23%	0.037%
16	9.875	1170	1171	1180	rVB3	4829	7683	0.24%	0.037%
17	10.122	1205	1213	1232	rBV	513607	930687	28.96%	4.542%
18	13.463	1776	1781	1787	rBV2	34704	61096	1.90%	0.298%
19	13.710	1818	1823	1826	rBV2	39871	63943	1.99%	0.312%
20	13.739	1826	1828	1835	rVB2	26320	33918	1.06%	0.166%
21	14.016	1869	1875	1885	rBV	789028	1219996	37.97%	5.953%
22	14.081	1885	1886	1892	rVB3	5338	6643	0.21%	0.032%
23	14.445	1943	1948	1953	rBV2	8818	13138	0.41%	0.064%
24	15.034	2040	2048	2054	rBV2	56946	95353	2.97%	0.465%
25	15.092	2054	2058	2066	rVB	34751	53098	1.65%	0.259%
26	15.328	2096	2098	2102	rVB2	3712	4530	0.14%	0.022%
27	15.516	2126	2130	2132	rBV2	3128	3243	0.10%	0.016%
28	15.622	2143	2148	2152	rVB4	1711	3604	0.11%	0.018%
29	15.781	2171	2175	2176	rBV3	8887	9230	0.29%	0.045%
30	16.369	2272	2275	2278	rBV4	3390	4845	0.15%	0.024%
31	16.445	2286	2288	2295	rVB4	2943	4577	0.14%	0.022%
32	16.575	2306	2310	2312	rBV4	6350	9848	0.31%	0.048%
33	16.622	2315	2318	2324	rVB4	10457	17789	0.55%	0.087%
34	16.704	2328	2332	2336	rBV5	3926	6053	0.19%	0.030%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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	16.775	2339	2344	2349	rBV	1026403	1432764	44.59%	6.992%
36	16.816	2349	2351	2357	rVB	97097	122621	3.82%	0.598%
37	16.910	2362	2367	2378	rVV	2302419	3213379	100.00%	15.681%
38	16.992	2380	2381	2389	rVV5	9652	12695	0.40%	0.062%
39	17.063	2389	2393	2396	rVB3	10321	15292	0.48%	0.075%
40	17.198	2410	2416	2427	rBV	240925	384274	11.96%	1.875%
41	17.310	2432	2435	2438	rBV3	6005	7992	0.25%	0.039%
42	17.657	2491	2494	2498	rBV5	3843	5407	0.17%	0.026%
43	17.710	2500	2503	2508	rBV5	10367	16181	0.50%	0.079%
44	17.792	2513	2517	2523	rBV	40550	60742	1.89%	0.296%
45	17.869	2524	2530	2535	rVV8	13967	28175	0.88%	0.137%
46	17.975	2543	2548	2550	rBV6	10057	14308	0.45%	0.070%
47	18.010	2550	2554	2560	rVV9	13569	26072	0.81%	0.127%
48	18.069	2562	2564	2568	rVB4	5749	6143	0.19%	0.030%
49	18.139	2573	2576	2580	rVB5	6971	11008	0.34%	0.054%
50	18.227	2586	2591	2595	rBV6	22868	40591	1.26%	0.198%
51	18.363	2611	2614	2616	rBV3	5141	5574	0.17%	0.027%
52	18.386	2616	2618	2622	rVV4	3040	4277	0.13%	0.021%
53	18.510	2636	2639	2645	rVB7	9710	13821	0.43%	0.067%
54	18.604	2649	2655	2659	rBV7	7734	16940	0.53%	0.083%
55	18.657	2661	2664	2666	rVB4	7354	7678	0.24%	0.037%
56	18.745	2674	2679	2682	rBV2	18141	30329	0.94%	0.148%
57	18.774	2682	2684	2687	rVV4	6739	6269	0.20%	0.031%
58	18.816	2687	2691	2692	rVV3	4992	6275	0.20%	0.031%
59	18.851	2693	2697	2706	rVB	148139	206968	6.44%	1.010%
60	18.963	2713	2716	2719	rVB3	20405	24159	0.75%	0.118%
61	19.010	2721	2724	2728	rVB5	13892	16501	0.51%	0.081%
62	19.092	2734	2738	2742	rBV2	38399	51675	1.61%	0.252%
63	19.192	2750	2755	2756	rBV	124761	162558	5.06%	0.793%
64	19.216	2756	2759	2763	rVV	245093	329652	10.26%	1.609%
65	19.251	2763	2765	2771	rVB5	26835	37804	1.18%	0.184%
66	19.304	2771	2774	2779	rBV6	13696	23522	0.73%	0.115%
67	19.363	2782	2784	2787	rBV3	5993	6631	0.21%	0.032%
68	19.416	2789	2793	2797	rBV5	19270	35575	1.11%	0.174%
69	19.474	2799	2803	2809	rVB2	75585	108833	3.39%	0.531%
70	19.563	2813	2818	2825	rVV5	24980	63225	1.97%	0.309%
71	19.645	2830	2832	2835	rBV4	9474	10939	0.34%	0.053%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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	2845	rBV4	56052	116557	3.63%	0.569%
73	19.786	2852	2856	2860	rBV4	21765	39141	1.22%	0.191%
74	19.886	2867	2873	2876	rBV3	52157	92305	2.87%	0.450%
75	20.027	2893	2897	2901	rBV2	50959	71943	2.24%	0.351%
76	20.074	2901	2905	2909	rVV4	25684	38554	1.20%	0.188%
77	20.392	2957	2959	2963	rVB4	21322	22408	0.70%	0.109%
78	20.445	2965	2968	2971	rVV4	43031	54902	1.71%	0.268%
79	20.486	2973	2975	2987	rVB8	38566	93379	2.91%	0.456%
80	20.651	3000	3003	3006	rBV2	31328	40502	1.26%	0.198%
81	20.686	3006	3009	3011	rBV2	42156	46950	1.46%	0.229%
82	20.721	3011	3015	3018	rBV2	96822	136508	4.25%	0.666%
83	20.827	3031	3033	3037	rVB	61940	63221	1.97%	0.309%
84	20.998	3053	3062	3067	rBV2	1408051	2152623	66.99%	10.505%
85	21.039	3067	3069	3075	rVB	204378	225186	7.01%	1.099%
86	21.151	3086	3088	3092	rVB2	47380	46286	1.44%	0.226%
87	21.186	3092	3094	3099	rVB6	43963	44995	1.40%	0.220%
88	21.274	3107	3109	3111	rVV2	33636	25817	0.80%	0.126%
89	21.304	3111	3114	3122	rVB	76482	108145	3.37%	0.528%
90	22.033	3236	3238	3245	rVB3	99180	145622	4.53%	0.711%
91	22.257	3273	3276	3285	rVB4	110859	216887	6.75%	1.058%
92	22.492	3310	3316	3320	rBV2	808289	1672912	52.06%	8.164%
93	22.645	3338	3342	3348	rBV	132212	197445	6.14%	0.964%
94	22.921	3384	3389	3394	rBV	349305	571896	17.80%	2.791%
95	23.015	3400	3405	3411	rVB2	508895	815847	25.39%	3.981%
96	23.098	3413	3419	3424	rBV	942907	1622103	50.48%	7.916%
97	23.598	3500	3504	3512	rVB	147108	257612	8.02%	1.257%
98	24.262	3613	3617	3624	rVB2	114577	208167	6.48%	1.016%
99	25.139	3759	3766	3776	rVB2	294122	720619	22.43%	3.517%
100	25.380	3800	3807	3815	rVB2	324840	705022	21.94%	3.440%

Sum of corrected areas: 20492143

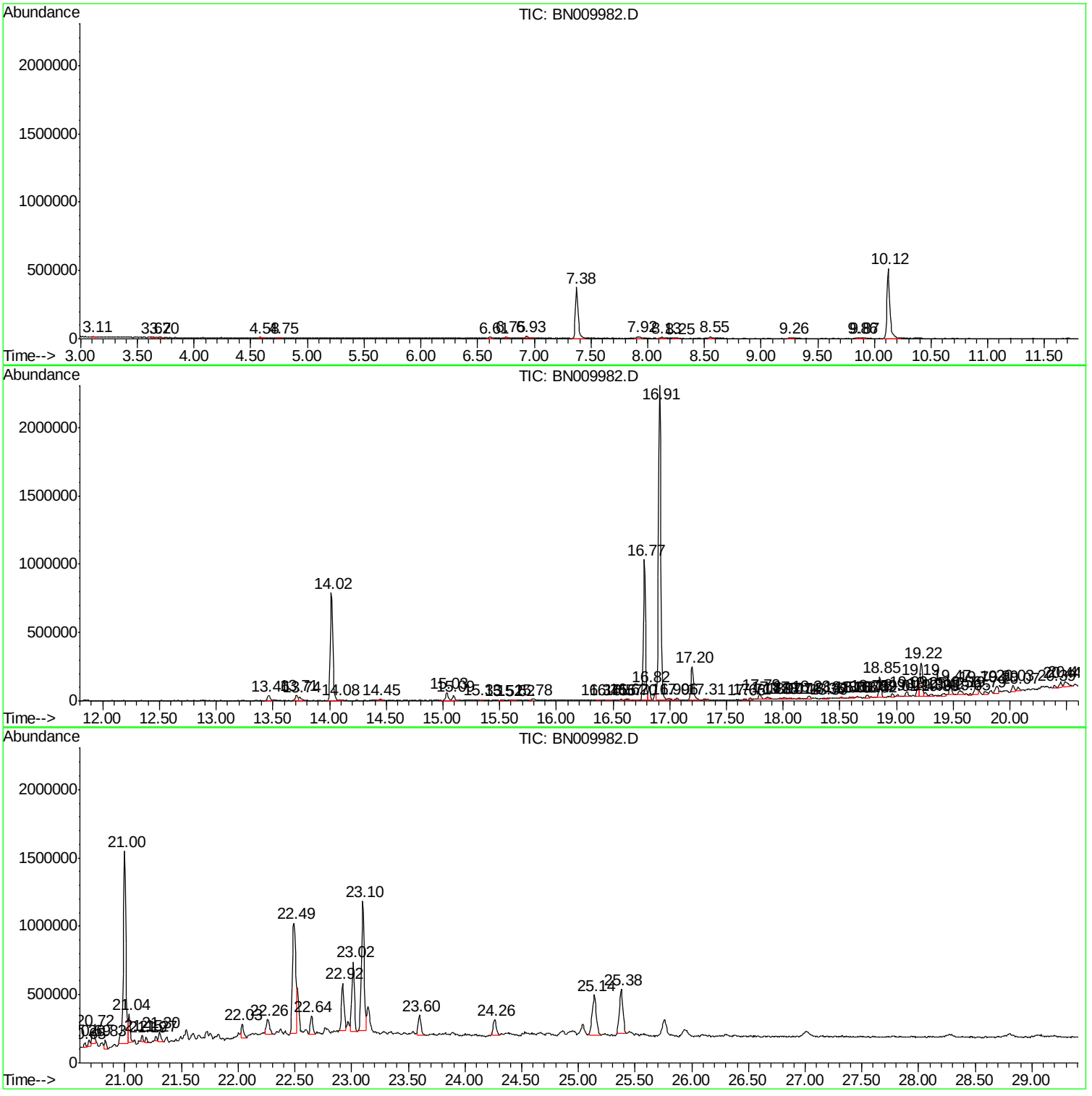
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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

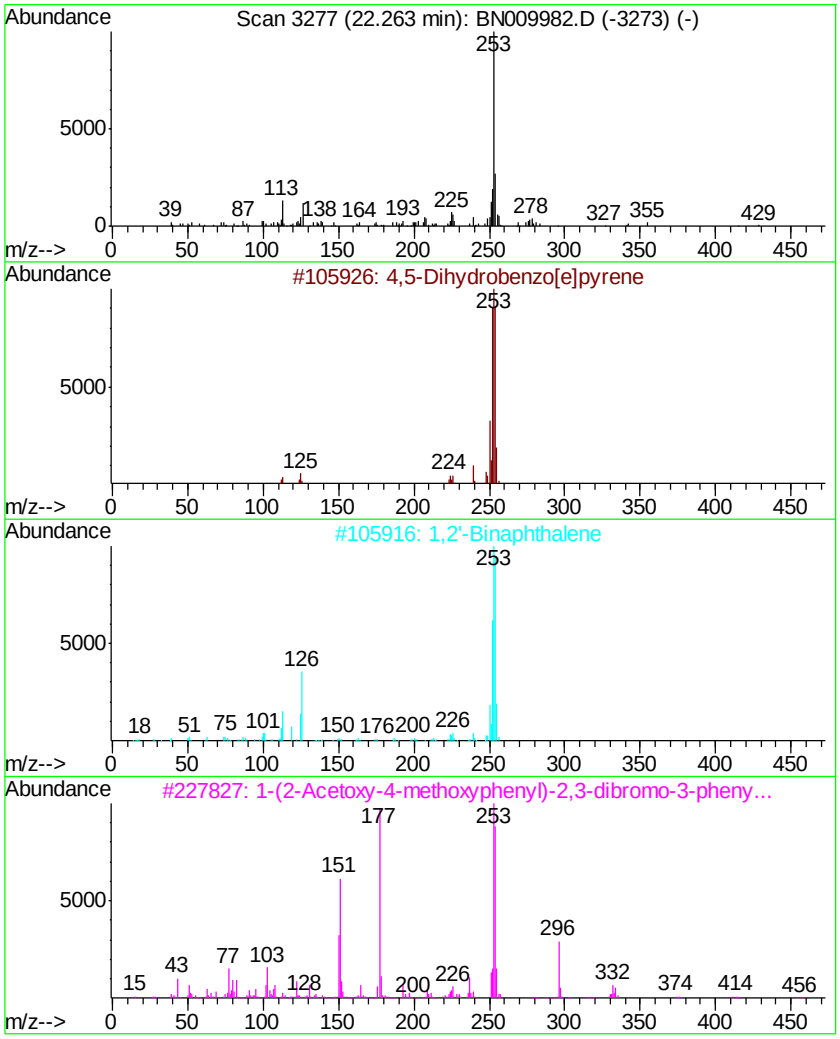
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

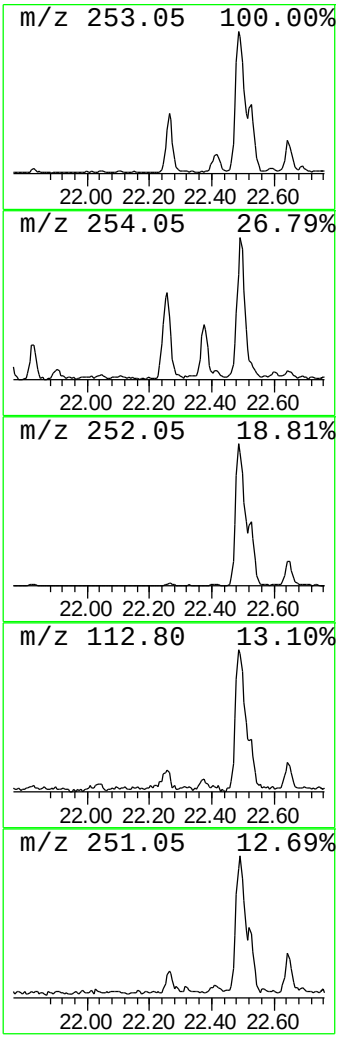
****

Peak Number 1 4,5-Dihydrobenzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.26	2.67 ng/ul	216887	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	80
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
3	1-(2-Acetoxy-4-methoxyphenyl)-2,...	454	C18H16Br2O4	1000243-60-3	72
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	68
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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

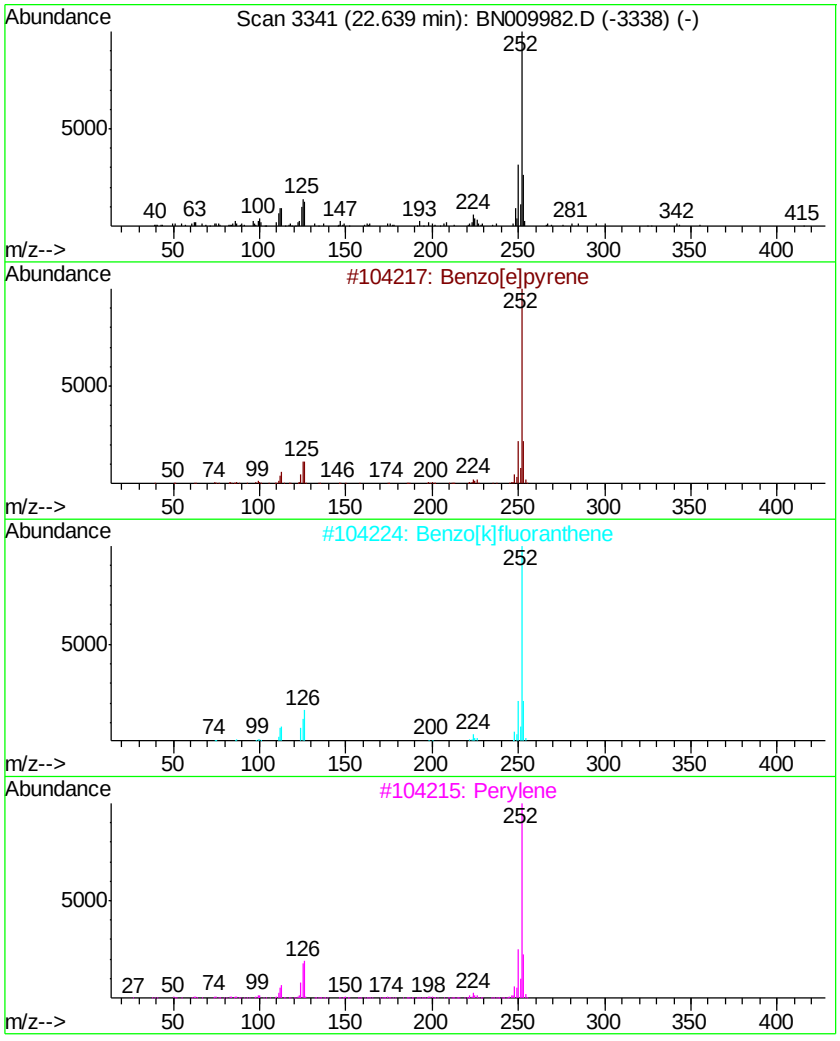
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

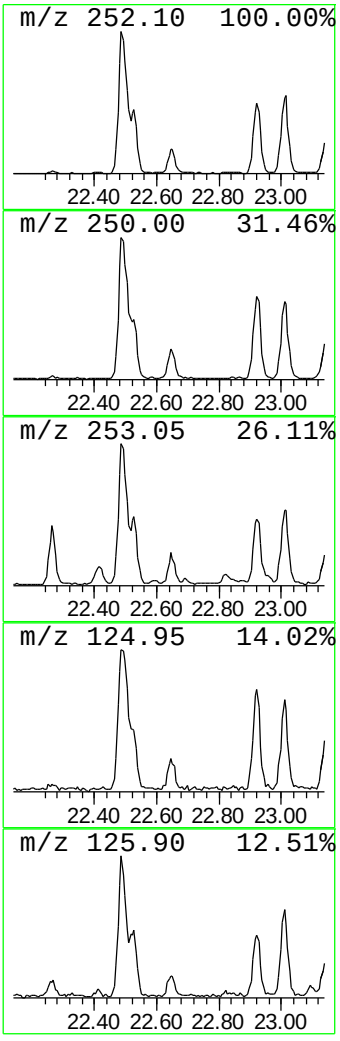
****

Peak Number 2 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	2.43 ng/ul	197445	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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

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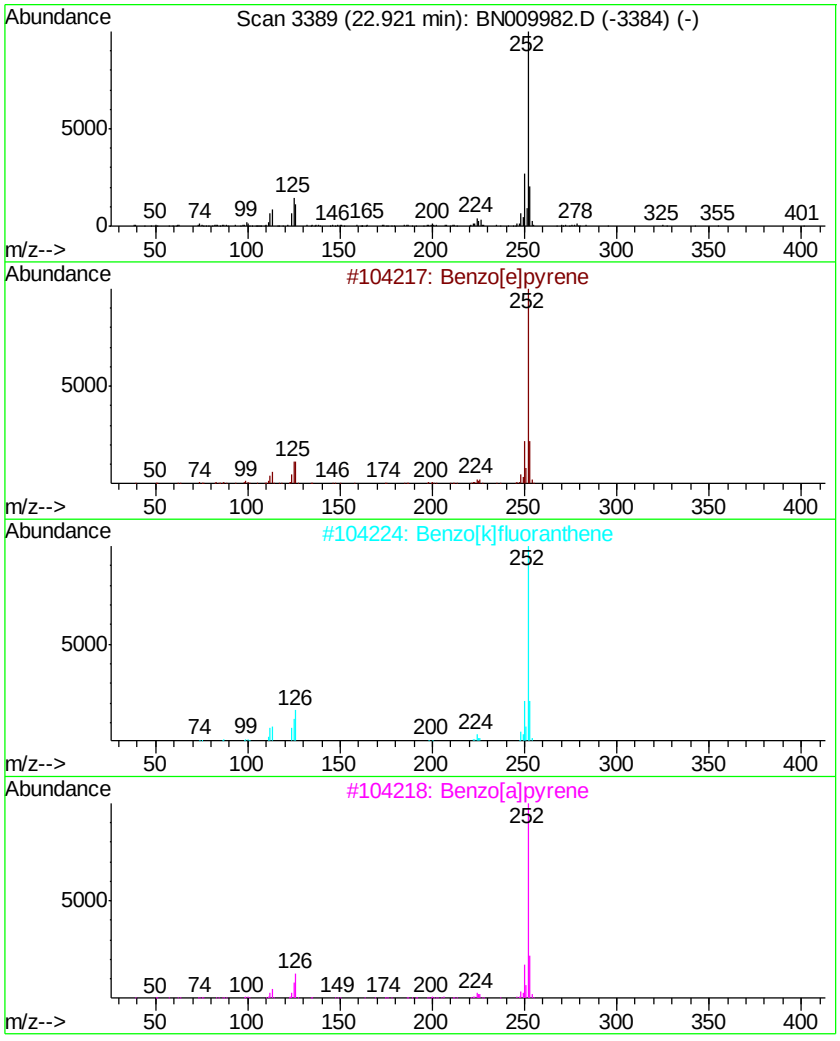
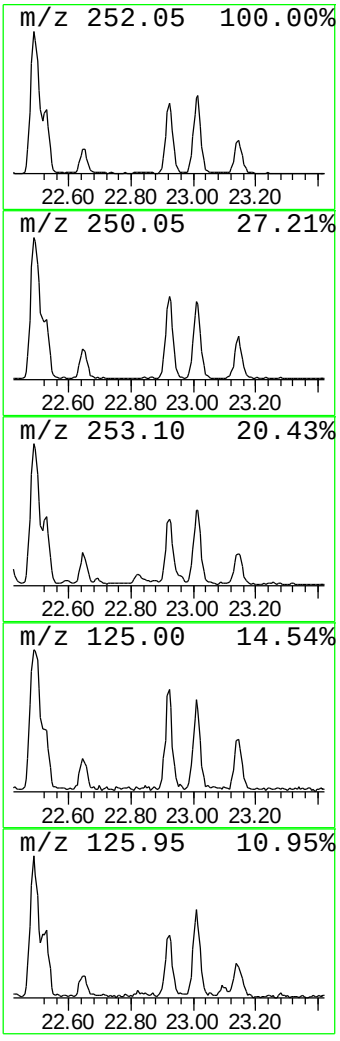
Peak Number 3 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.92	7.05 ng/ul	571896	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





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Acq On : 28 Feb 2020 10:34
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Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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

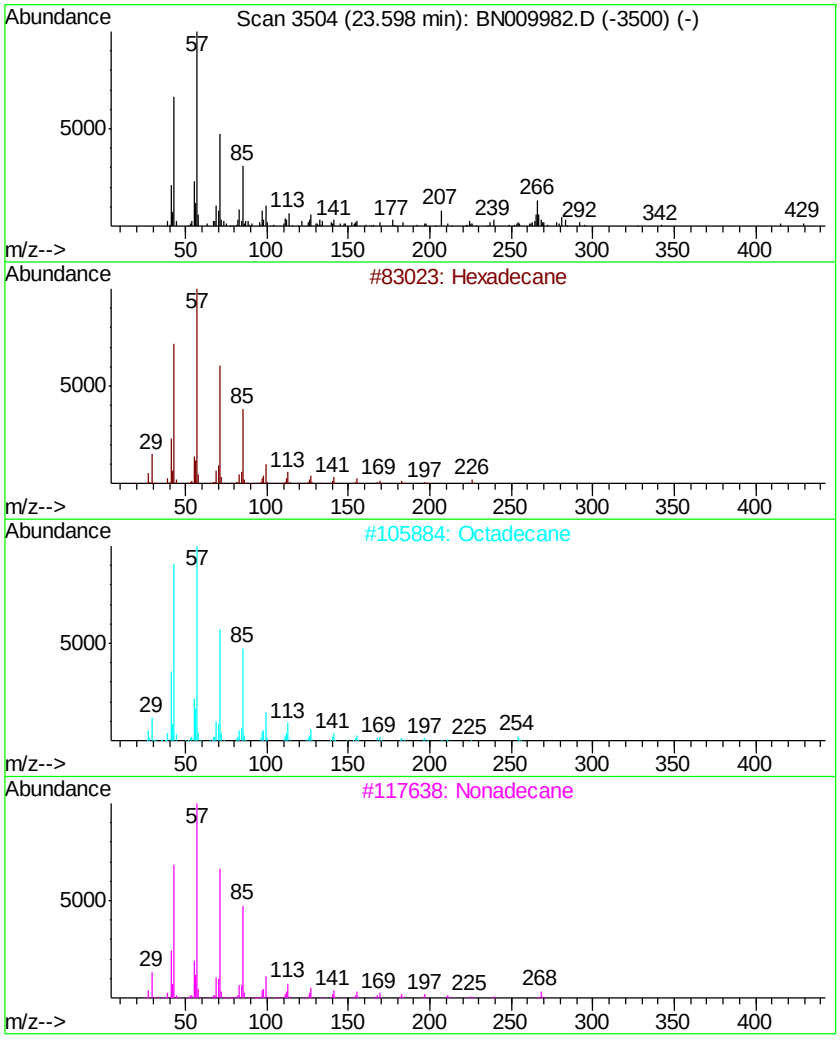
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

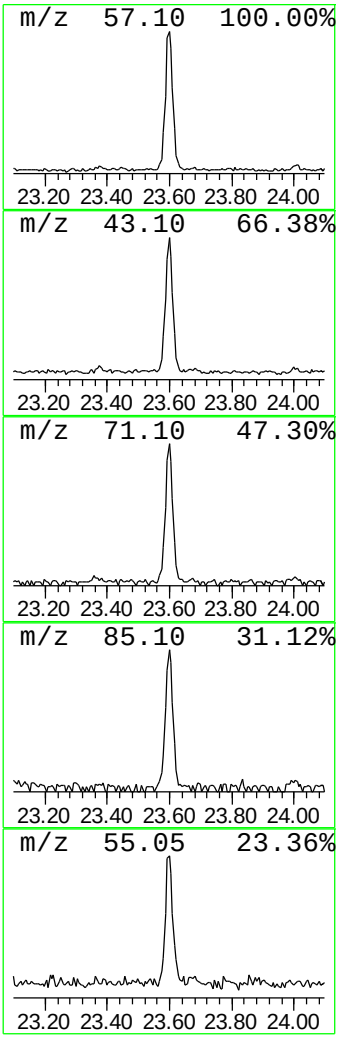
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	3.18 ng/ul	257612	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Octadecane	254	C18H38	000593-45-3	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tetracosane	338	C24H50	000646-31-1	76
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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

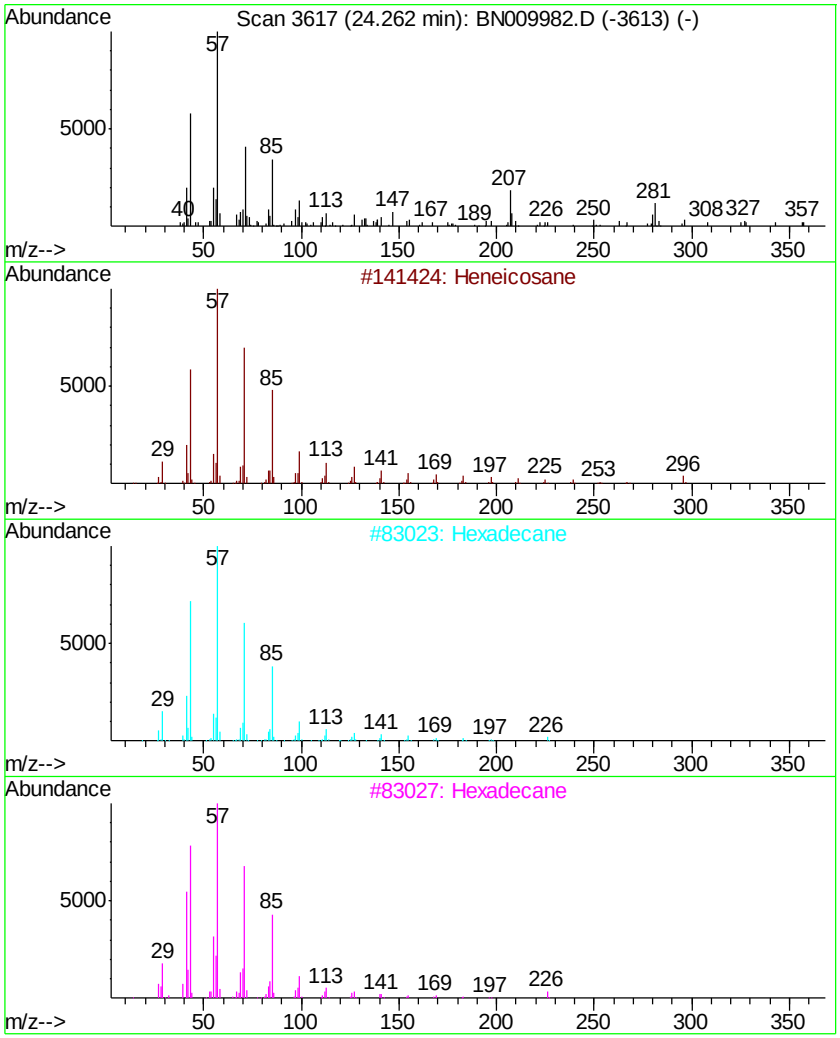
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

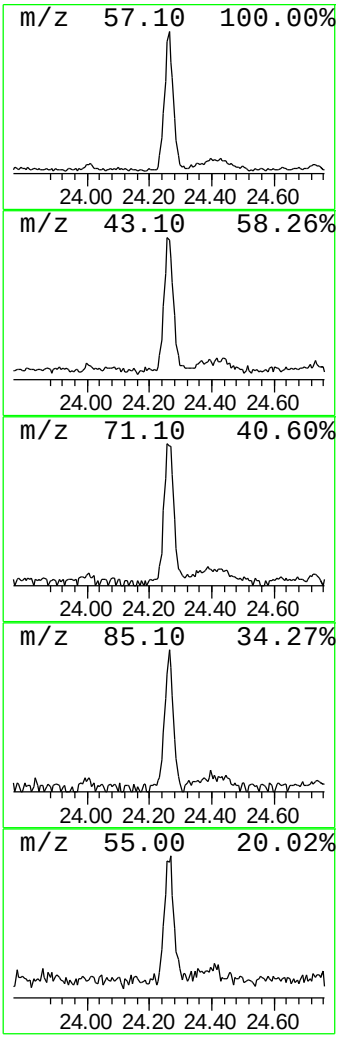
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.26	2.57 ng/ul	208167	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	70
3	Hexadecane	226	C16H34	000544-76-3	60
4	1-Iodoundecane	282	C11H23I	004282-44-4	58
5	Heptacosane	380	C27H56	000593-49-7	53





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Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBDM1DL

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

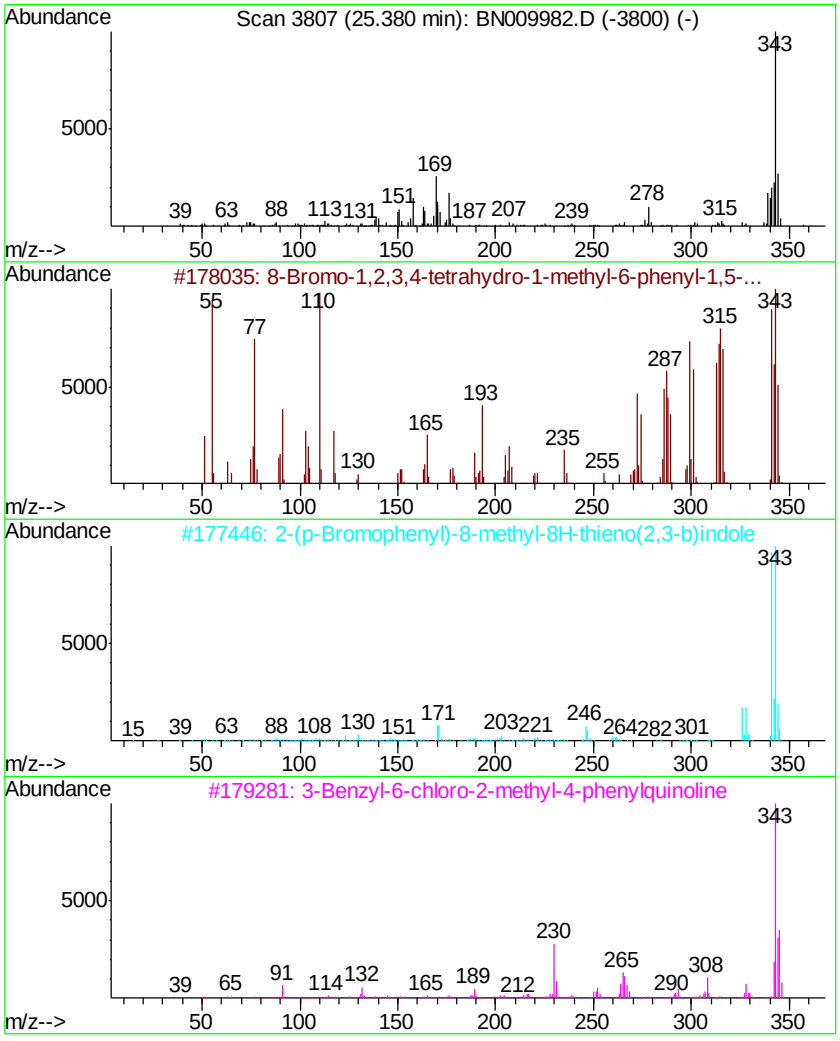
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

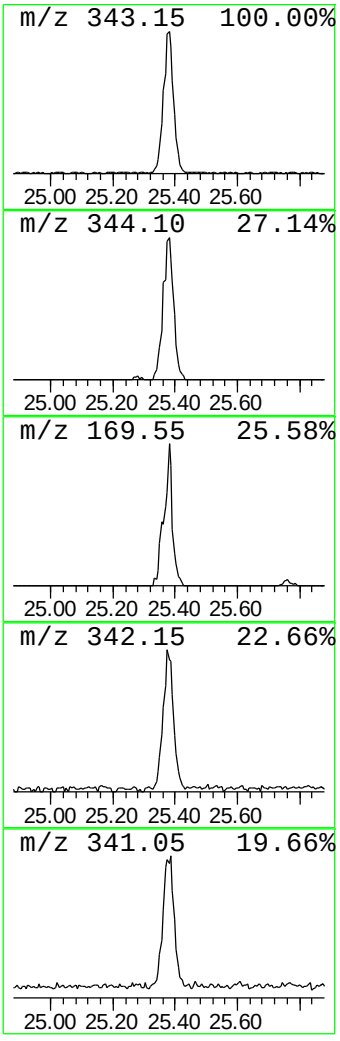
****

Peak Number 6 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.38	8.69 ng/ul	705022	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	96
2	2-(p-Bromophenyl)-8-methyl-8H-th...	341	C17H12BrNS	022315-11-3	40
3	3-Benzyl-6-chloro-2-methyl-4-phe...	343	C23H18ClN	022608-97-5	25
4	Triphenylamine, 6-carboxy-2,2',2...	343	C19H12F3NO2	1000164-86-9	25
5	Benzenamine, 4-[2-(4-aminophenyl...	343	C21H17N3O2	1000115-48-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022820\
Data File : BN009982.D
Acq On : 28 Feb 2020 10:34
Operator : CG/JU
Sample : L1612-19DL 5X
Misc :
ALS Vial : 3 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
4,5-Dihydrobenzo[...	22.26	2.7	ng/ul	216887	6	23.10	1622100	20.0
Benzo[e]pyrene	22.64	2.4	ng/ul	197445	6	23.10	1622100	20.0
Perylene	22.92	7.0	ng/ul	571896	6	23.10	1622100	20.0
(DEL) Alkane: Str...	23.60	3.2	ng/ul	257612	6	23.10	1622100	20.0
(DEL) Alkane: Str...	24.26	2.6	ng/ul	208167	6	23.10	1622100	20.0
8-Bromo-1,2,3,4-t...	25.38	8.7	ng/ul	705022	6	23.10	1622100	20.0