LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	7.675	773	780	790	rBV	855146	1398114	20.89%	2.166%
2	8.387	896	901	911	rBV4	41948	84268	1.26%	0.131%
3	10.098	1185	1192	1199	rBV5	31355	75103	1.12%	0.116%
4	10.451	1244	1252	1258	rBV	1235747	2073540	30.98%	3.212%
5	10.498	1258	1260	1269	rVB	49082	78116	1.17%	0.121%
6	13.733	1805	1810	1814	rBV	88790	130403	1.95%	0.202%
7	14.004	1849	1856	1858	rBV	114312	167287	2.50%	0.259%
8	14.033	1858	1861	1872	rVB	241307	418866	6.26%	0.649%
9	14.316	1902	1909	1916	rVV2	1781906	2733453	40.85%	4.235%
10	14.380	1916	1920	1928	rVB	178975	275907	4.12%	0.427%
11	14.716	1972	1977	1982	rBV	94259	136448	2.04%	0.211%
12	15.174	2052	2055	2061	rVB2	49551	74498	1.11%	0.115%
13	15.310	2074	2078	2083	rBV	145625	215479	3.22%	0.334%
14	15.368	2083	2088	2095	rBV	93752	147764	2.21%	0.229%
15	15.574	2118	2123	2128	rBV6	34490	70575	1.05%	0.109%
16	15.810	2158	2163	2171	rVB6	44203	93334	1.39%	0.145%
17	16.045	2197	2203	2213	rBV5	138539	292255	4.37%	0.453%
18	16.721	2313	2318	2326	rBV2	941713	1418335	21.19%	2.197%
19	16.833	2333	2337	2341	rVV	117114	132522	1.98%	0.205%
20	16.886	2342	2346	2350	rVB	121773	165820	2.48%	0.257%
21	17.068	2371	2377	2380	rBV2	2123063	3017737	45.09%	4.675%
22	17.110	2380	2384	2389	rVV	1021440	1438357	21.49%	2.228%
23	17.162	2389	2393	2395	rVV2	180960	263501	3.94%	0.408%
24	17.198	2395	2399	2405	rVV	755702	1097134	16.39%	1.700%
25	17.262	2405	2410	2414	rVB5	48679	83434	1.25%	0.129%
26	17.474	2442	2446	2452	rVB	136942	194772	2.91%	0.302%
27	17.568	2459	2462	2470	rVB2	169866	249429	3.73%	0.386%
28	17.986	2531	2533	2540	rVB3	107463	154888	2.31%	0.240%
29	18.068	2543	2547	2553	rBV2	121795	189133	2.83%	0.293%
30	18.139	2553	2559	2563	rBV3	178418	375024	5.60%	0.581%
31	18.262	2576	2580	2583	rBV2	177827	211179	3.16%	0.327%
32	18.492	2615	2619	2623	rBV5	112627	146529	2.19%	0.227%
33	18.874	2679	2684	2686	rBV2	72760	149391	2.23%	0.231%
34	18.898	2686	2688	2692	rVB	115353	139591	2.09%	0.216%

LSC Area Percent Report

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Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	19.004	2702	2706	2711	rBV	261433	351941	5.26%	0.545%
36	19.127	2722	2727	2734	rBV	2936493	3766540	56.28%	5.835%
37	19.227	2741	2744	2748	rBV	91435	105992	1.58%	0.164%
38	19.356	2763	2766	2772	rVB2	74215	154302	2.31%	0.239%
39	19.492	2779	2789	2798	rBV	3547803	5684431	84.94%	8.806%
40	19.568	2798	2802	2807	rVB4	151672	250466	3.74%	0.388%
41	19.674	2817	2820	2825	rVB2	118702	155474	2.32%	0.241%
42	19.739	2826	2831	2836	rVB	343082	535813	8.01%	0.830%
43	19.827	2840	2846	2852	rBV3	252959	564164	8.43%	0.874%
44	19.968	2863	2870	2877	rBV3	367330	1031771	15.42%	1.598%
45	20.086	2888	2890	2894	rVB3	88553	101252	1.51%	0.157%
46	20.145	2894	2900	2904	rBV3	348988	644599	9.63%	0.999%
47	20.186	2904	2907	2911	rVB	132474	174571	2.61%	0.270%
48	20.286	2920	2924	2928	rBV	419609	522030	7.80%	0.809%
49	20.333	2928	2932	2936	rVB2	218404	316090	4.72%	0.490%
50	20.739	2998	3001	3008	rVB2	309907	430391	6.43%	0.667%
51	20.903	3026	3029	3032	rVB	194543	243700	3.64%	0.378%
52	20.939	3032	3035	3038	rVV	321694	358061	5.35%	0.555%
53	20.980	3038	3042	3048	rVV2	626502	895025	13.37%	1.387%
54	21.033	3049	3051	3055	rVB	176133	213532	3.19%	0.331%
55	21.256	3079	3089	3094	rBV2	2741505	6692107	100.00%	10.367%
56	21.297	3094	3096	3102	rVB2	1310107	1525135	22.79%	2.363%
57	21.409	3112	3115	3117	rBV	180666	227264	3.40%	0.352%
58	21.562	3137	3141	3146	rBV2	337152	529400	7.91%	0.820%
59	21.621	3148	3151	3154	rVV2	160784	208883	3.12%	0.324%
60	21.750	3170	3173	3176	rBV2	146028	208908	3.12%	0.324%
61	21.803	3180	3182	3186	rVB	342051	377287	5.64%	0.584%
62	21.927	3200	3203	3206	rBV	113981	131877	1.97%	0.204%
63	22.003	3212	3216	3218	rBV2	170911	222525	3.33%	0.345%
64	22.568	3306	3312	3321	rVB5	257751	667359	9.97%	1.034%
65	22.821	3348	3355	3360	rBV	3007052	6443815	96.29%	9.983%
66	22.986	3379	3383	3391	rVB	424456	655264	9.79%	1.015%
67	23.115	3402	3405	3409	rBV5	119073	199463	2.98%	0.309%
68	23.291	3429	3435	3441	rBV	1492522	2593668	38.76%	4.018%
69	23.386	3445	3451	3458	rVB	1512493	2646266	39.54%	4.100%
70	23.480	3462	3467	3472	rVV	1100367	2142347	32.01%	3.319%
71	23.527	3472	3475	3485	rVB	580897	1124333	16.80%	1.742%

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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	25.709	3838	3846	3860	rVB4	683387	2327364	34.78%	3.606%
73	26.391	3955	3962	3974	rVB	428735	1234167	18.44%	1.912%

Sum of corrected areas: 64549763

LSC Report - Integrated Chromatogram

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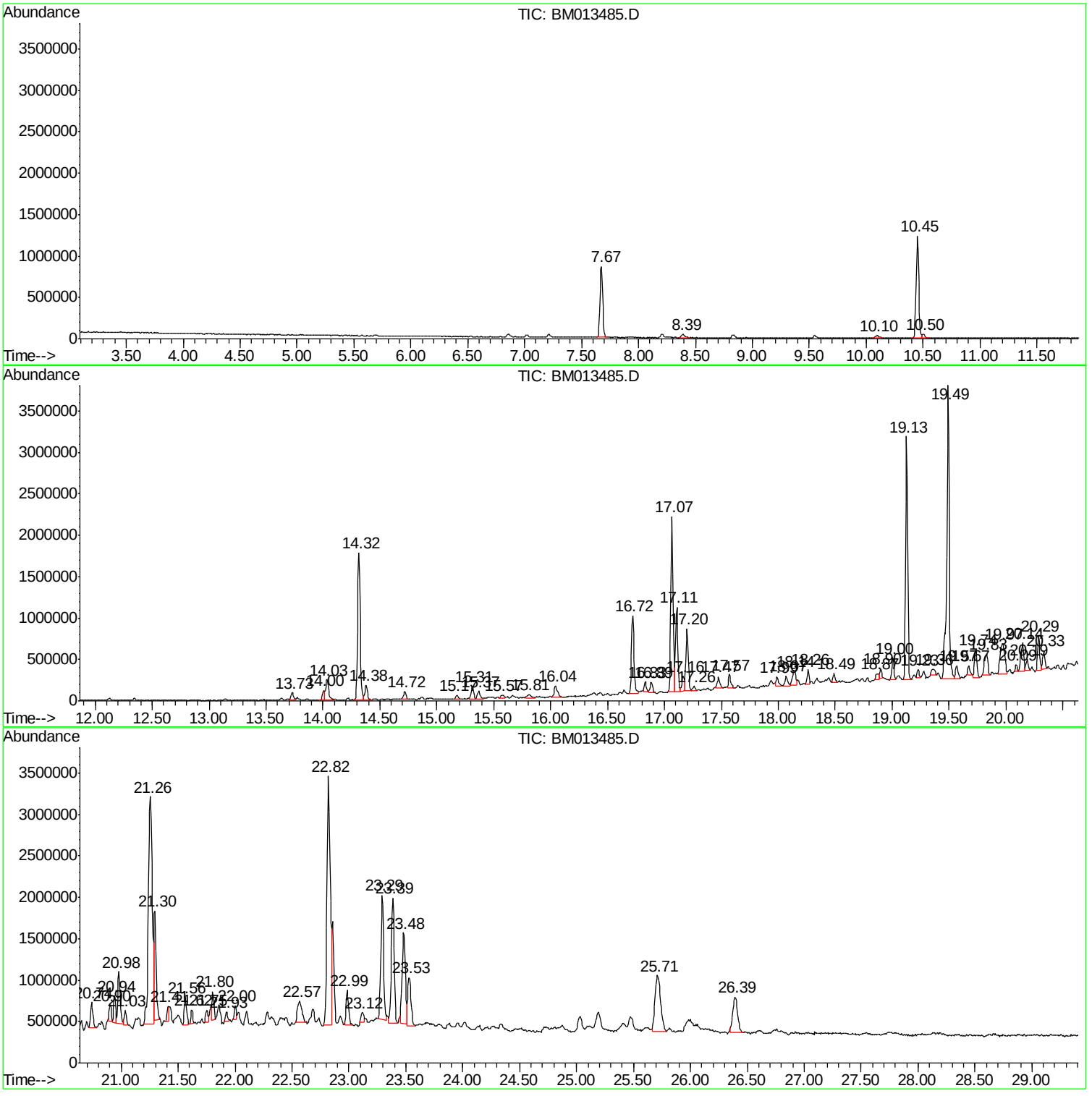
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
Operator : SJ/JU
Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

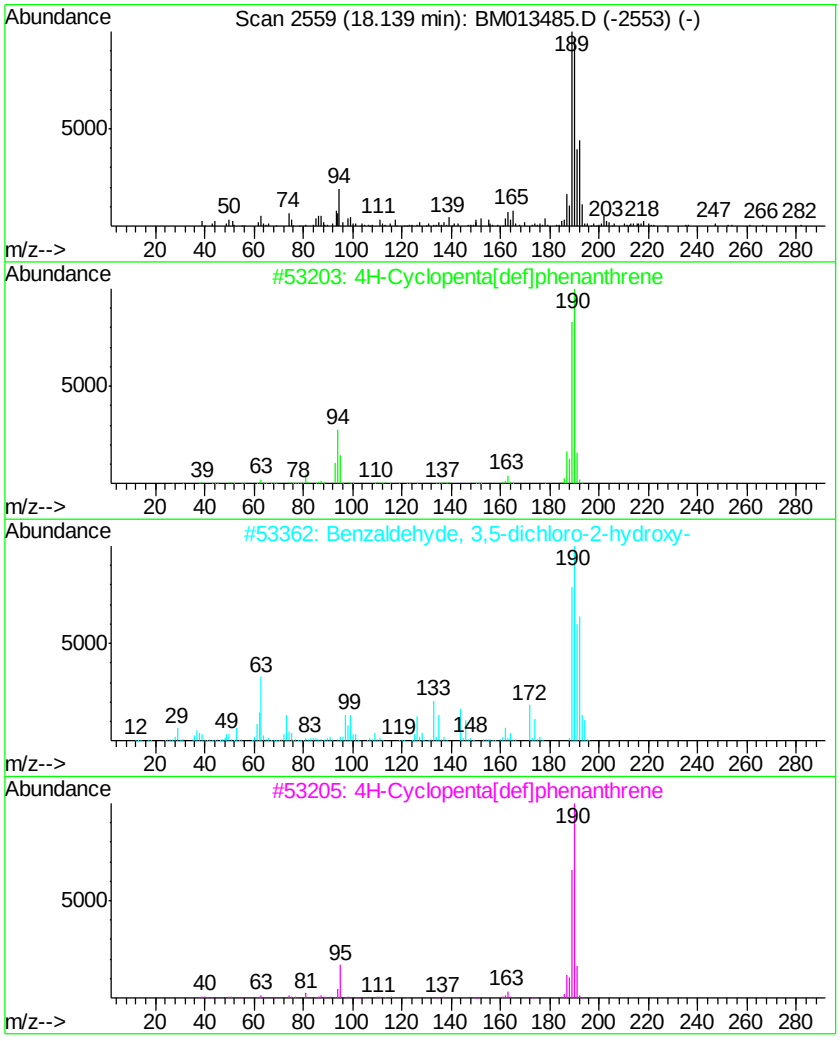
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

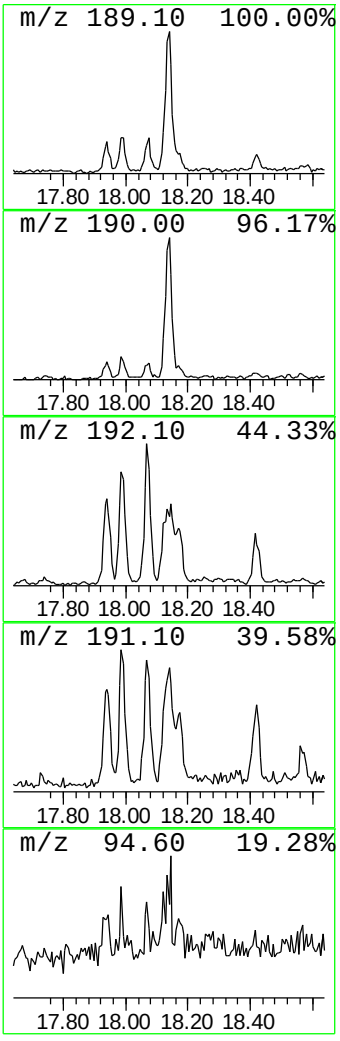
****

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.49 ng/ul	375024	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

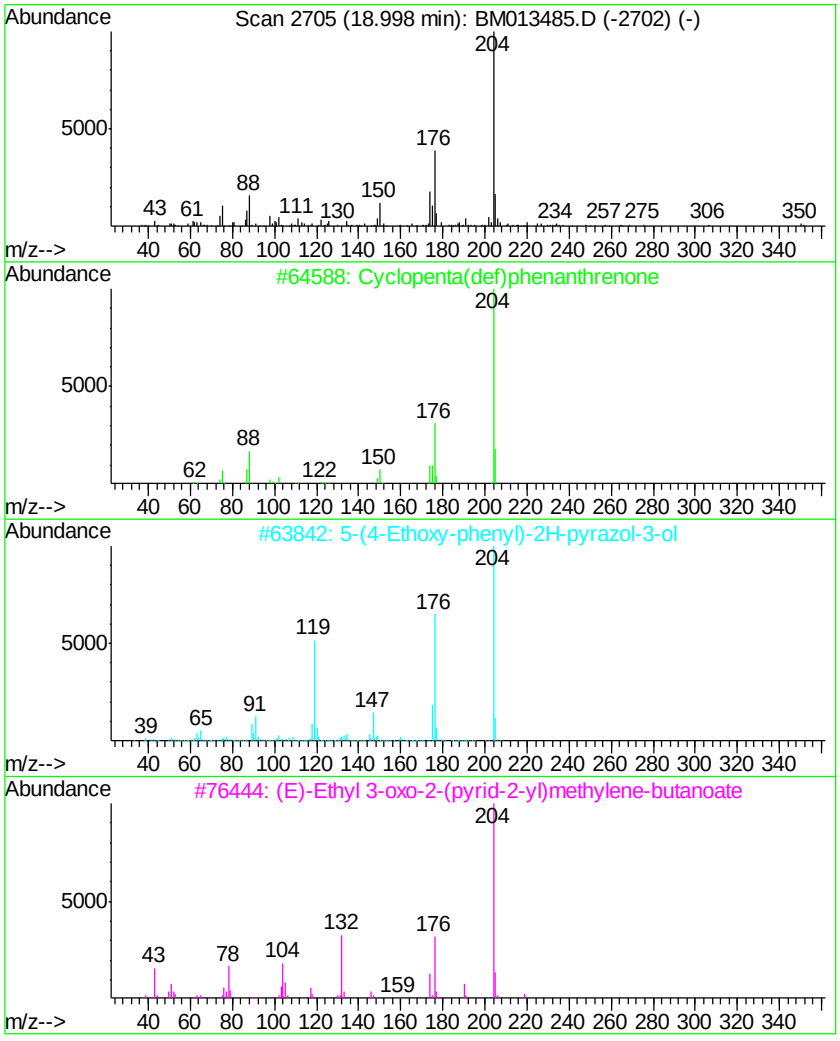
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

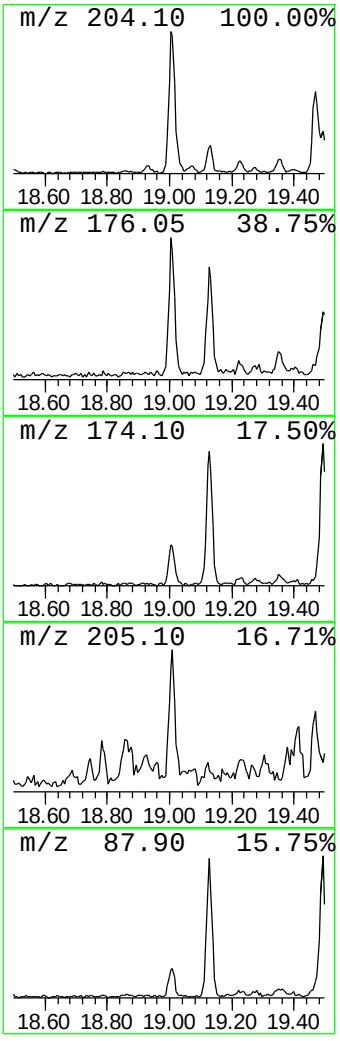
****

Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	2.33 ng/ul	351941	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Data File : BM013485.D
Acq On : 16 Dec 2017 20:09
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Sample : I6776-18DL 20X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

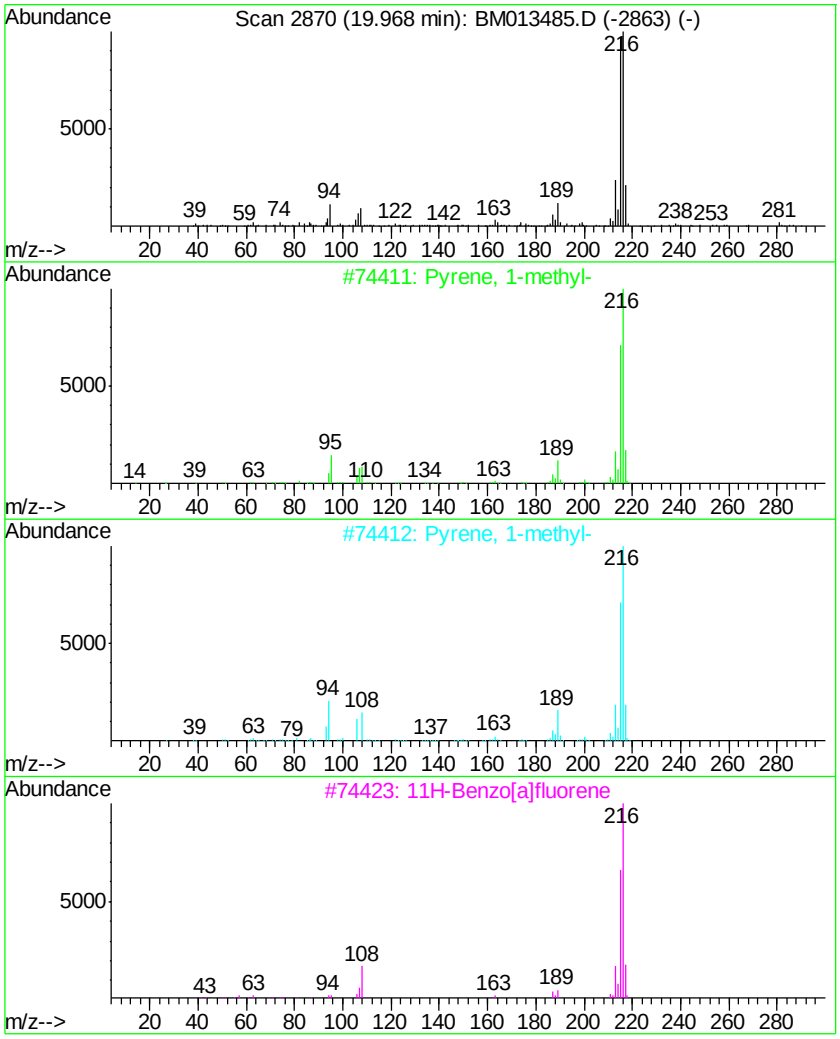
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

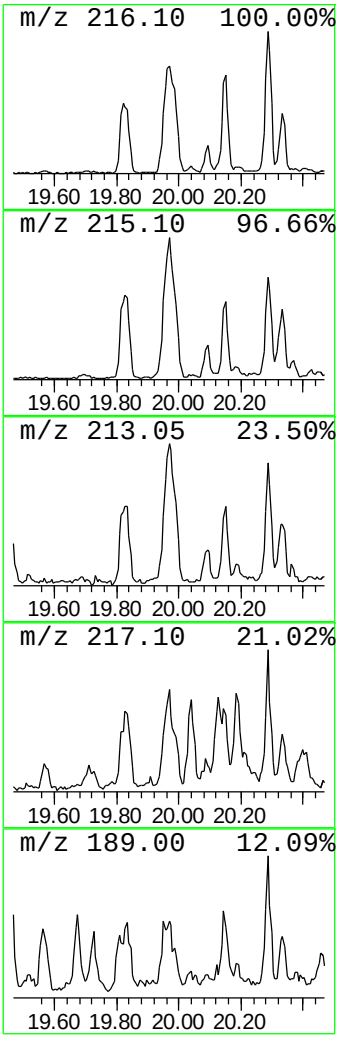
****

Peak Number 3 Pyrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	3.08 ng/ul	1031770	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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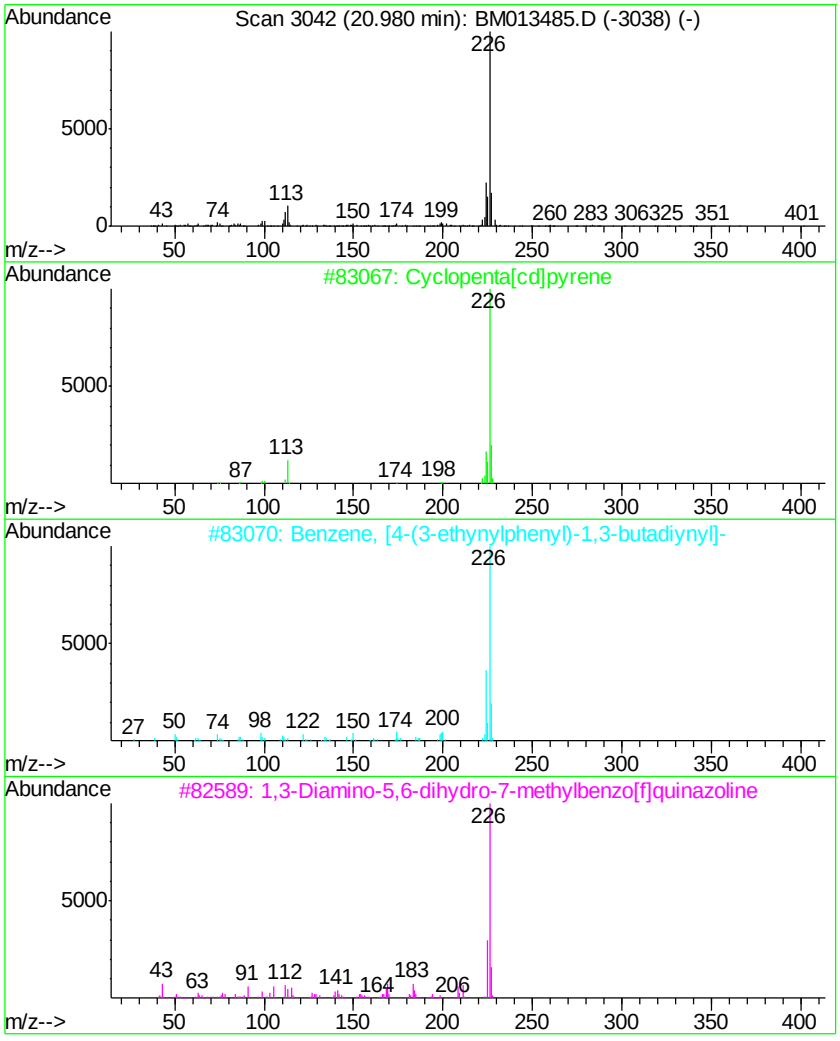
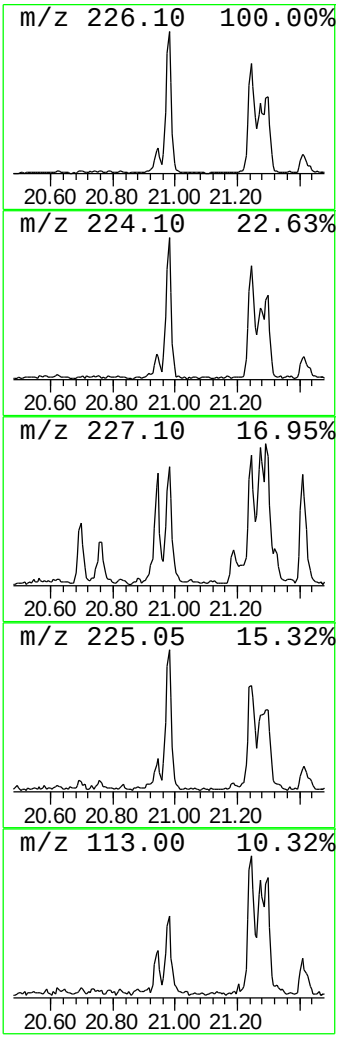
Peak Number 4 Cyclopenta[cd]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.67 ng/ul	895025	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	59
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	45
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	45





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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A47DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

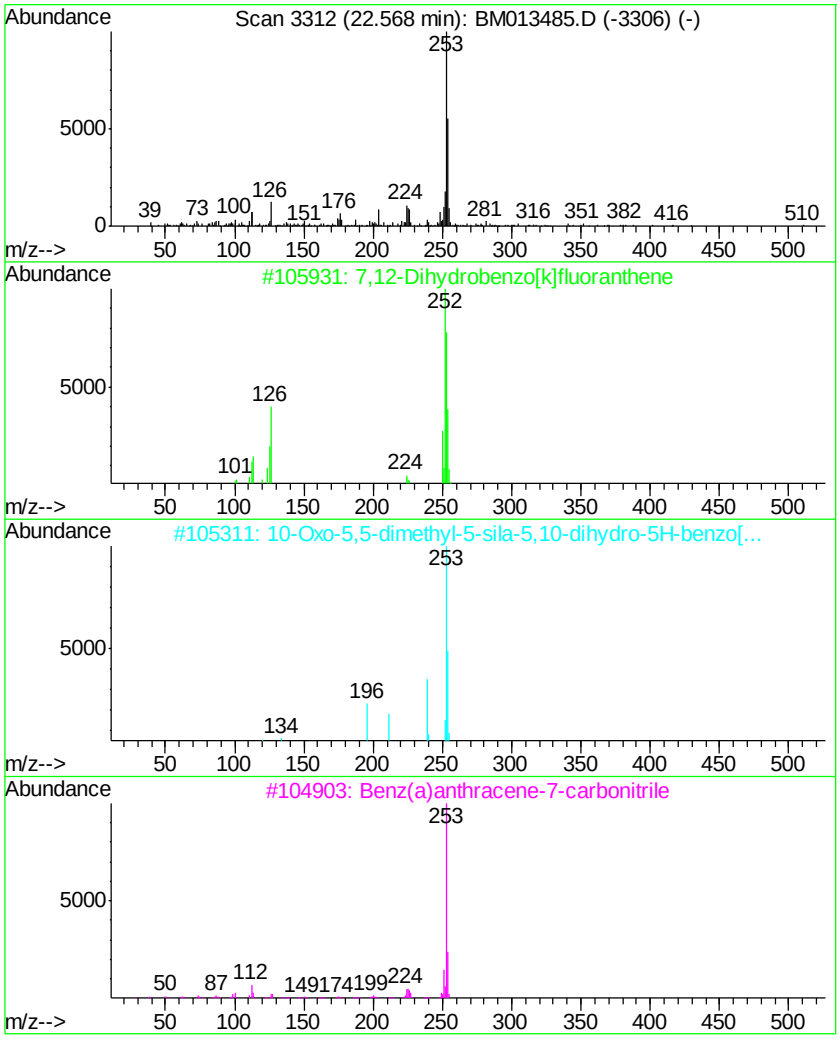
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

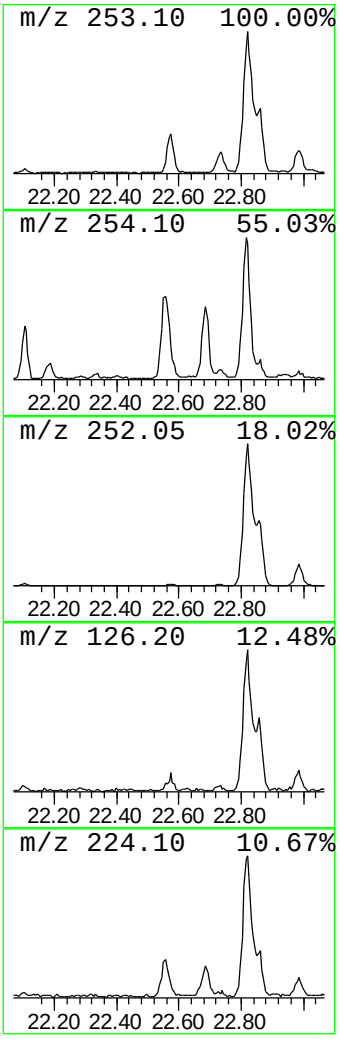
****

Peak Number 5 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	6.23 ng/ul	667359	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	74
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	58
4	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	58
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
4H-Cyclopenta[def...	18.14	2.5	ng/ul	375024	4	17.07	3017740	20.0
Cyclopenta(def)ph...	19.00	2.3	ng/ul	351941	4	17.07	3017740	20.0
Pyrene, 1-methyl-	19.97	3.1	ng/ul	1031770	5	21.26	6692110	20.0
Cyclopenta[cd]pyrene	20.98	2.7	ng/ul	895025	5	21.26	6692110	20.0
7,12-Dihydrobenzo...	22.57	6.2	ng/ul	667359	6	23.48	2142350	20.0