LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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	6.851	635	640	649	rBV2	107890	190209	4.18%	0.454%
2	7.016	663	668	674	rBV	84298	137293	3.02%	0.328%
3	7.210	696	701	708	rBV2	126111	197529	4.34%	0.471%
4	7.669	772	779	792	rBV	621662	1037247	22.79%	2.475%
5	8.210	865	871	879	rBV3	29434	62733	1.38%	0.150%
6	8.381	895	900	911	rBV2	142410	254650	5.60%	0.608%
7	8.828	970	976	984	rBV2	119321	214793	4.72%	0.513%
8	9.545	1093	1098	1107	rVB2	94953	170183	3.74%	0.406%
9	10.086	1182	1190	1202	rBV2	131763	255480	5.61%	0.610%
10	10.451	1244	1252	1258	rBV	907009	1534484	33.72%	3.662%
11	10.498	1258	1260	1267	rVB	50542	69619	1.53%	0.166%
12	10.598	1271	1277	1289	rBV2	103088	219126	4.82%	0.523%
13	13.733	1804	1810	1814	rBV	246880	370462	8.14%	0.884%
14	13.774	1814	1817	1825	rVB2	37490	59194	1.30%	0.141%
15	14.004	1849	1856	1859	rBV	313857	492498	10.82%	1.175%
16	14.033	1859	1861	1868	rVB	163256	239651	5.27%	0.572%
17	14.316	1902	1909	1916	rBV2	1311522	2016211	44.31%	4.811%
18	14.380	1916	1920	1928	rVB	96597	148534	3.26%	0.354%
19	14.557	1941	1950	1959	rBV5	41463	104456	2.30%	0.249%
20	14.721	1973	1978	1982	rBV	58180	81216	1.78%	0.194%
21	15.310	2073	2078	2084	rBV	402388	574571	12.63%	1.371%
22	15.368	2084	2088	2098	rVB3	54894	88376	1.94%	0.211%
23	15.451	2098	2102	2106	rBV4	52860	87598	1.93%	0.209%
24	15.680	2135	2141	2150	rBV2	94910	167153	3.67%	0.399%
25	16.051	2196	2204	2211	rBV5	31759	64523	1.42%	0.154%
26	16.721	2313	2318	2325	rBV	130848	198698	4.37%	0.474%
27	16.886	2342	2346	2353	rVB2	40836	60091	1.32%	0.143%
28	17.062	2370	2376	2381	rBV2	1602609	2414468	53.06%	5.761%
29	17.109	2381	2384	2388	rVV	480785	632792	13.91%	1.510%
30	17.162	2388	2393	2396	rVV	427406	645436	14.18%	1.540%
31	17.198	2396	2399	2406	rVV	420723	628332	13.81%	1.499%
32	17.474	2435	2446	2451	rBV2	63216	127465	2.80%	0.304%
33	17.939	2520	2525	2528	rBV3	35408	63601	1.40%	0.152%
34	17.986	2531	2533	2540	rVV	48888	70281	1.54%	0.168%

LSC Area Percent Report

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Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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

35	18.074	2543	2548	2553	rVV2	52751	86772	1.91%	0.207%
36	18.139	2554	2559	2571	rVB4	77971	176041	3.87%	0.420%
37	18.339	2588	2593	2598	rBV	90905	156181	3.43%	0.373%
38	18.492	2615	2619	2624	rBV8	49887	72536	1.59%	0.173%
39	19.009	2700	2707	2711	rBV	111468	178724	3.93%	0.426%
40	19.127	2722	2727	2734	rVB	1060996	1375866	30.24%	3.283%
41	19.280	2750	2753	2756	rVB	50066	65554	1.44%	0.156%
42	19.362	2760	2767	2771	rBV3	61127	141619	3.11%	0.338%
43	19.462	2778	2784	2786	rBV	682967	949391	20.86%	2.265%
44	19.492	2786	2789	2798	rVV	1235141	1704779	37.46%	4.068%
45	19.568	2798	2802	2807	rVB6	61853	112881	2.48%	0.269%
46	19.674	2816	2820	2826	rBV	46883	82654	1.82%	0.197%
47	19.739	2826	2831	2836	rVB	222101	311136	6.84%	0.742%
48	19.827	2840	2846	2852	rBV4	139305	318404	7.00%	0.760%
49	19.974	2863	2871	2879	rVB4	213540	552120	12.13%	1.317%
50	20.092	2887	2891	2893	rBV5	68880	86387	1.90%	0.206%
51	20.145	2895	2900	2904	rVV3	154258	284026	6.24%	0.678%
52	20.186	2905	2907	2911	rVB3	75474	86953	1.91%	0.207%
53	20.286	2920	2924	2928	rBV	250304	331005	7.27%	0.790%
54	20.339	2928	2933	2936	rVB4	94599	166856	3.67%	0.398%
55	20.650	2984	2986	2989	rVB3	65271	65320	1.44%	0.156%
56	20.739	2998	3001	3010	rBV3	140589	211428	4.65%	0.505%
57	20.903	3026	3029	3032	rVB2	105338	123477	2.71%	0.295%
58	20.945	3032	3036	3039	rVV2	168347	204820	4.50%	0.489%
59	20.980	3039	3042	3049	rVB2	360902	512312	11.26%	1.222%
60	21.256	3079	3089	3093	rBV2	2305451	4550527	100.00%	10.858%
61	21.297	3093	3096	3106	rVB	964192	1477276	32.46%	3.525%
62	21.562	3137	3141	3146	rVB	221479	278525	6.12%	0.665%
63	21.621	3148	3151	3156	rVB4	99915	137656	3.03%	0.328%
64	21.750	3170	3173	3176	rBV4	95375	156934	3.45%	0.374%
65	22.003	3213	3216	3219	rBV2	111961	147797	3.25%	0.353%
66	22.568	3307	3312	3324	rVB6	188726	493270	10.84%	1.177%
67	22.821	3348	3355	3360	rBV	1810117	3967651	87.19%	9.468%
68	22.986	3378	3383	3391	rBV	255233	434313	9.54%	1.036%
69	23.291	3429	3435	3440	rBV	859569	1496900	32.90%	3.572%
70	23.339	3440	3443	3446	rVV	266787	442138	9.72%	1.055%
71	23.386	3446	3451	3458	rVB	888822	1605245	35.28%	3.830%

LSC Area Percent Report

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Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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

72	23.480	3461	3467	3472	rVV	1115122	2091765	45.97%	4.991%
73	23.533	3473	3476	3483	rVB2	346896	631606	13.88%	1.507%
74	25.715	3840	3847	3858	rVB3	406773	1338099	29.41%	3.193%
75	26.391	3957	3962	3973	rVB	217545	621847	13.67%	1.484%

Sum of corrected areas: 41907744

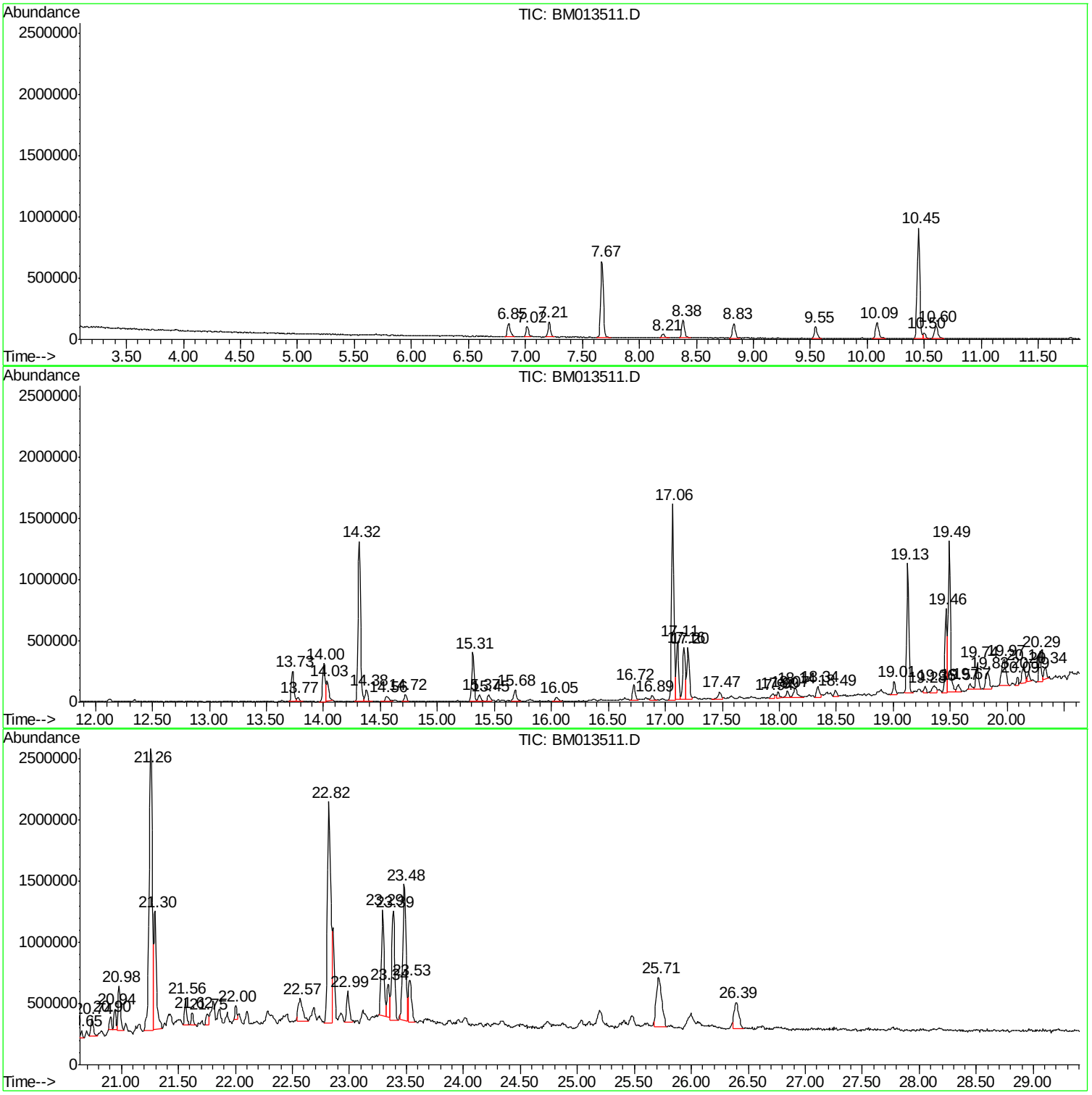
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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

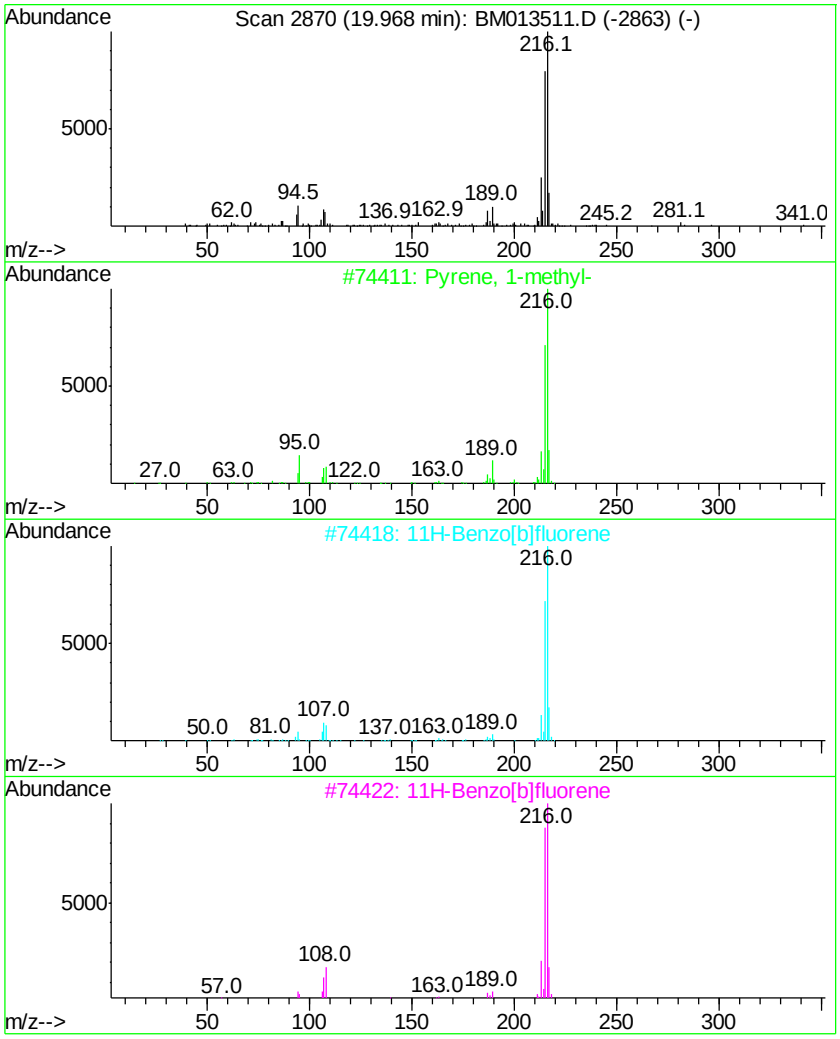
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

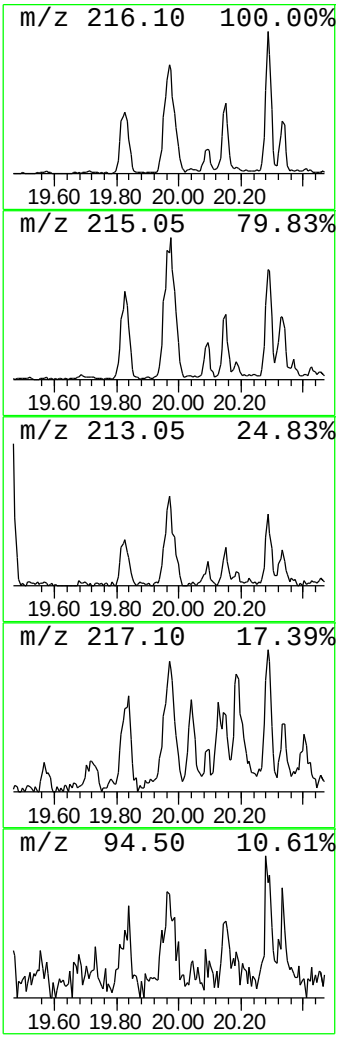
****

Peak Number 1 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.43 ng/ul	552120	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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

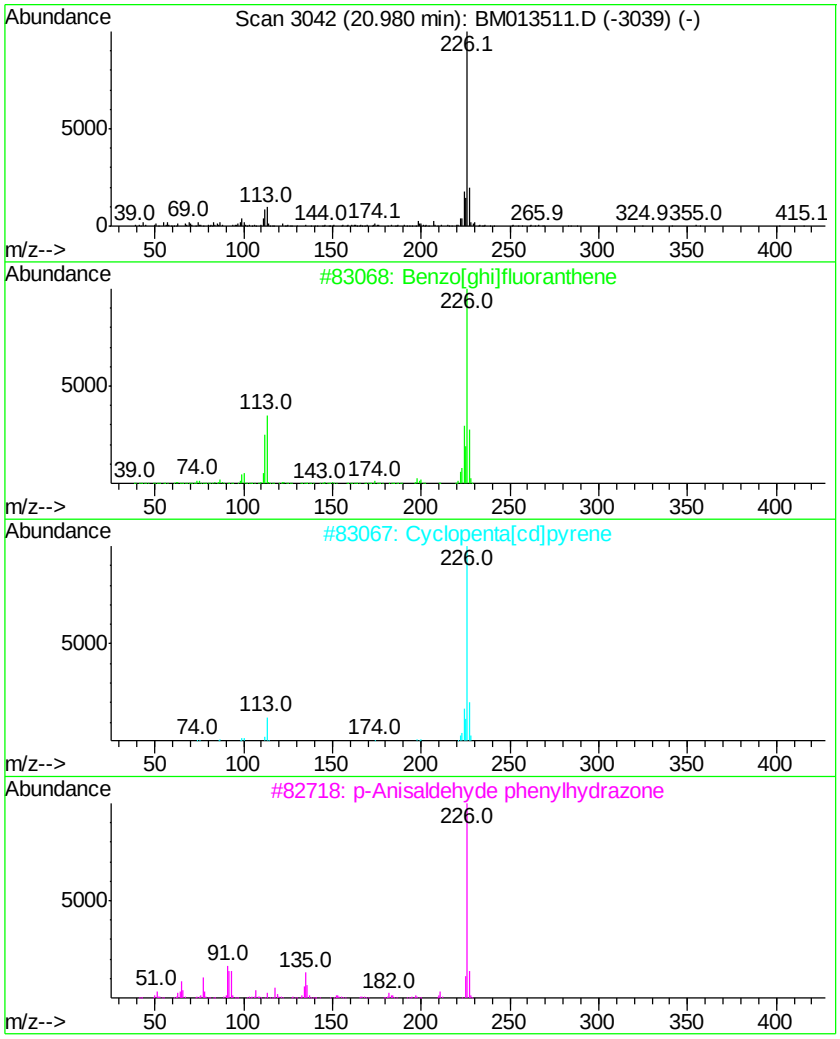
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

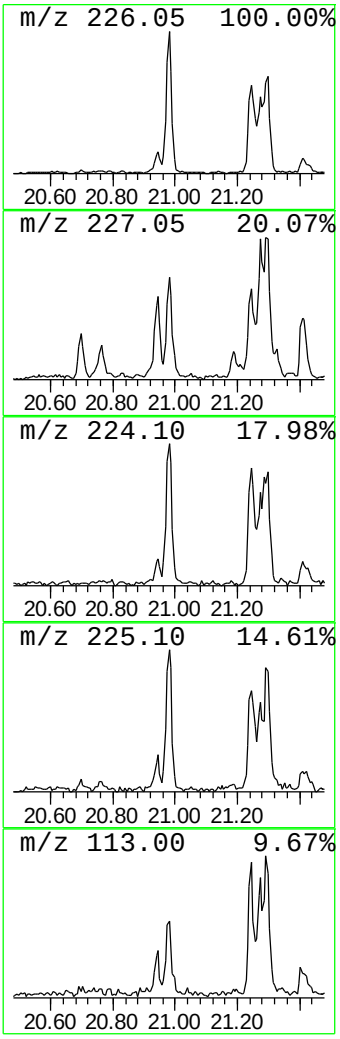
****

Peak Number 2 Benzo[ghi]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.25 ng/ul	512312	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	68
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	64
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	59
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50ME

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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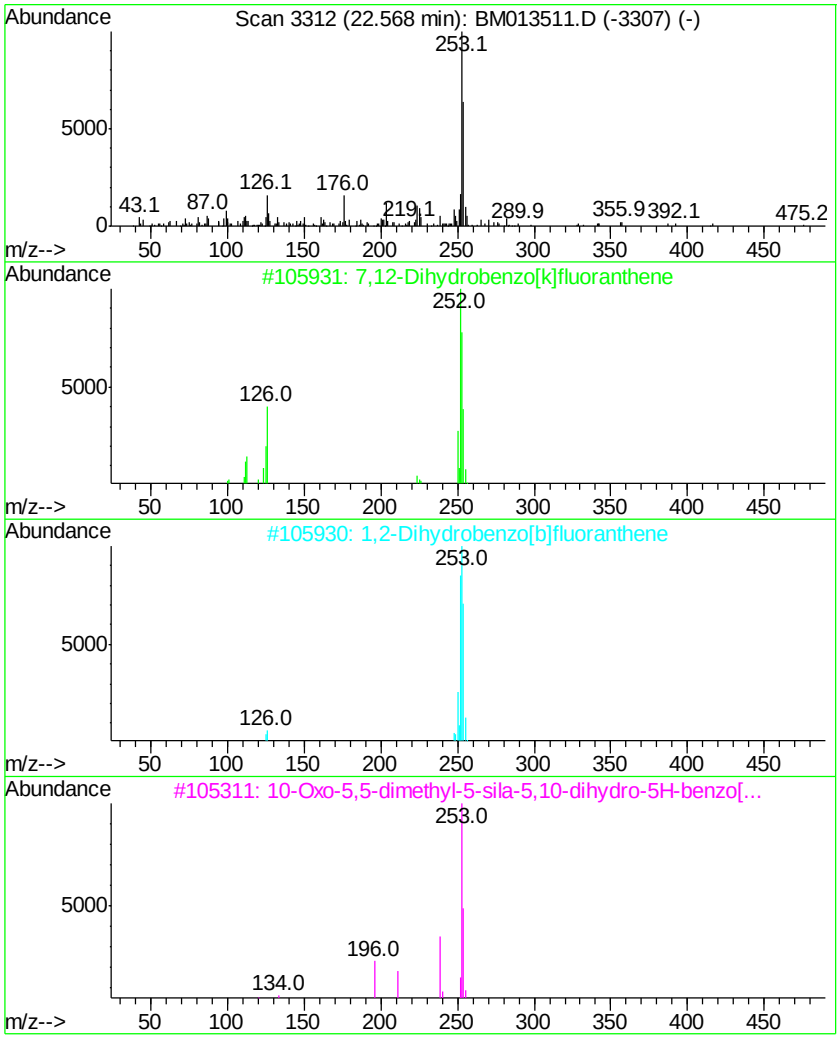
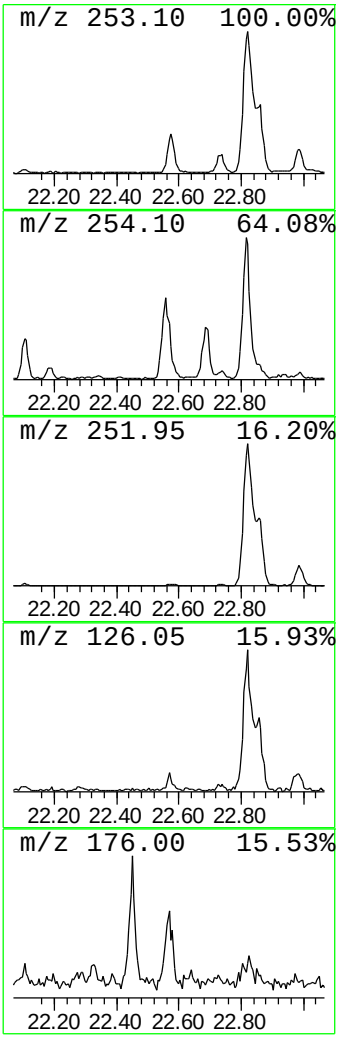
Peak Number 3 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	4.72 ng/ul	493270	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	72
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	72
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	72
4	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	64
5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64





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ClientSampleId : F9A50ME

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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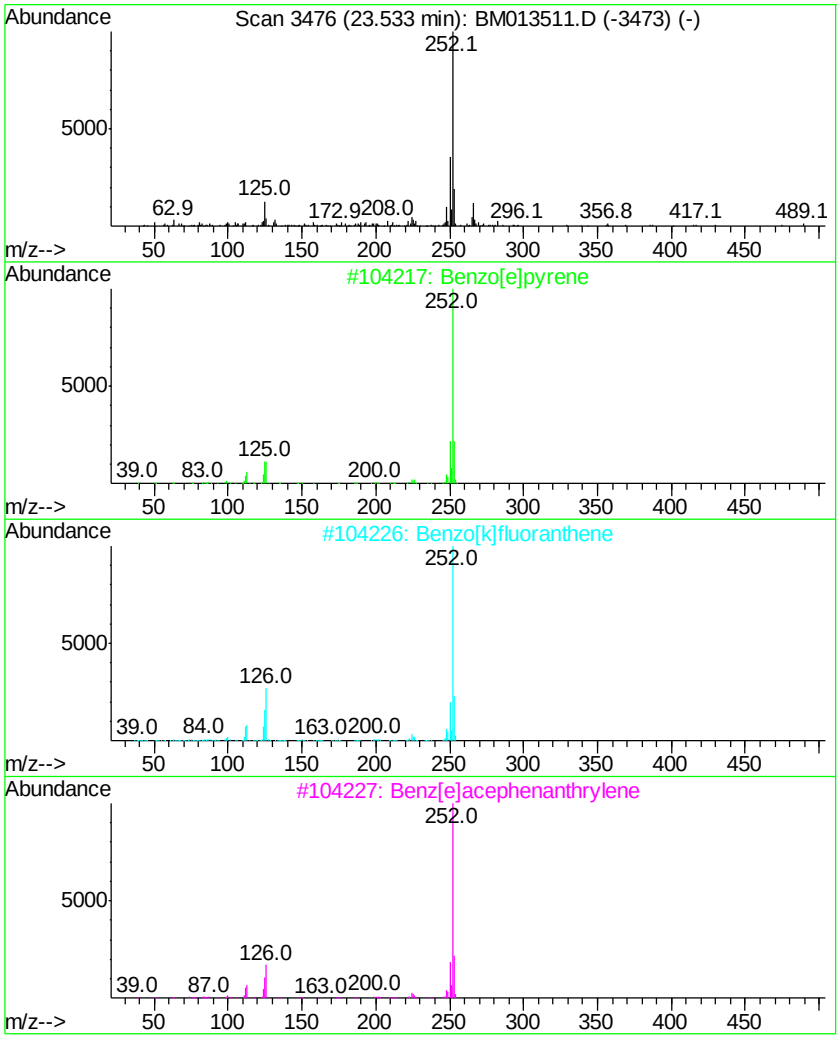
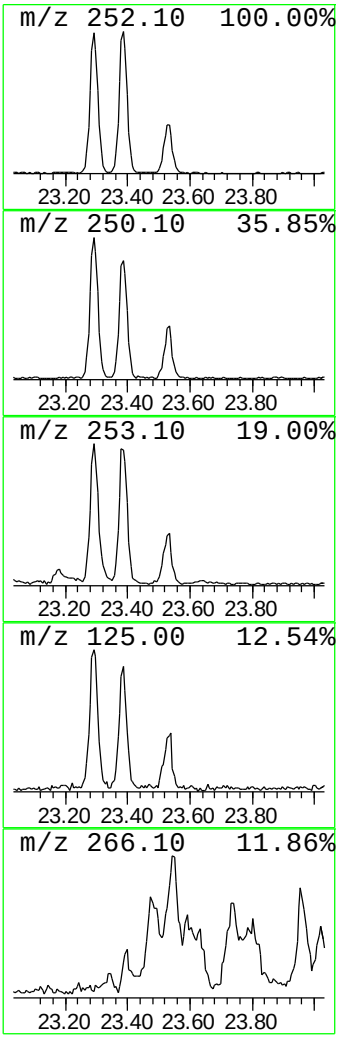
Peak Number 5 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	6.04 ng/ul	631606	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	64
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	58
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	58
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	58
5	3,5,6-Trimethyl-p-quinone, 2-(2,...	280	C13H12O5S	126848-01-9	55





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121917\
Data File : BM013511.D
Acq On : 19 Dec 2017 14:00
Operator : SJ/JU
Sample : I6775-15ME 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A50ME

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
Pyrene, 1-methyl-	19.97	2.4	ng/ul	552120	5	21.26	4550530	20.0
Benzo[ghi]fluoran...	20.98	2.3	ng/ul	512312	5	21.26	4550530	20.0
7,12-Dihydrobenzo...	22.57	4.7	ng/ul	493270	6	23.48	2091770	20.0
Benzo[e]pyrene	23.53	6.0	ng/ul	631606	6	23.48	2091770	20.0