LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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	3.140	23	26	33	rVB2	3423	4657	0.34%	0.032%
2	3.634	105	110	116	rVB4	3537	5764	0.42%	0.040%
3	3.716	118	124	131	rVB	10338	17624	1.30%	0.121%
4	3.934	158	161	166	rBV3	3631	4088	0.30%	0.028%
5	4.216	203	209	214	rBV2	2139	4096	0.30%	0.028%
6	4.704	288	292	301	rVB	6936	12363	0.91%	0.085%
7	5.987	506	510	514	rBB2	2774	3764	0.28%	0.026%
8	6.757	634	641	654	rBV	74409	147574	10.85%	1.013%
9	6.910	661	667	679	rBV	54240	92858	6.82%	0.637%
10	7.092	693	698	709	rVB	93788	147644	10.85%	1.013%
11	7.551	770	776	786	rBB	159366	244609	17.98%	1.679%
12	8.281	893	900	912	rBV2	99313	174169	12.80%	1.195%
13	8.728	970	976	987	rBV	84108	143779	10.57%	0.987%
14	9.039	1025	1029	1033	rBB	2888	3784	0.28%	0.026%
15	9.433	1090	1096	1106	rBB	74132	130671	9.60%	0.897%
16	9.975	1182	1188	1203	rBV	89982	189383	13.92%	1.300%
17	10.328	1241	1248	1254	rBV	229309	378149	27.79%	2.595%
18	10.375	1254	1256	1263	rVB	4304	5917	0.43%	0.041%
19	10.504	1272	1278	1290	rBV	70445	154928	11.39%	1.063%
20	13.639	1805	1811	1815	rBV	242546	347101	25.51%	2.382%
21	13.686	1815	1819	1827	rVB	44367	65013	4.78%	0.446%
22	13.898	1849	1855	1865	rBV	267436	391949	28.81%	2.690%
23	14.210	1902	1908	1914	rVV	394984	553296	40.67%	3.797%
24	14.274	1914	1919	1924	rVB	28352	38684	2.84%	0.265%
25	14.504	1951	1958	1974	rBV2	29704	86046	6.32%	0.590%
26	14.621	1974	1978	1982	rVV	10082	15152	1.11%	0.104%
27	14.680	1984	1988	1996	rVB2	17110	24005	1.76%	0.165%
28	15.215	2073	2079	2085	rVV	341858	503831	37.03%	3.457%
29	15.268	2085	2088	2096	rVB	23877	34416	2.53%	0.236%
30	15.386	2103	2108	2124	rBV	71758	120745	8.87%	0.829%
31	15.568	2135	2139	2142	rVB	3746	4770	0.35%	0.033%
32	15.715	2160	2164	2171	rBV	4150	7109	0.52%	0.049%
33	16.274	2257	2259	2263	rVB2	2963	3291	0.24%	0.023%
34	16.321	2263	2267	2272	rBV3	1401	2155	0.16%	0.015%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

35	16.498	2295	2297	2302	rBV2	1983	2068	0.15%	0.014%
36	16.651	2319	2323	2328	rBV	3273	4550	0.33%	0.031%
37	16.792	2342	2347	2351	rBV	17576	21050	1.55%	0.144%
38	16.974	2372	2378	2381	rBV	506569	706691	51.94%	4.850%
39	17.015	2381	2385	2390	rVV	443333	598645	44.00%	4.108%
40	17.074	2390	2395	2398	rVV	407869	590541	43.40%	4.053%
41	17.104	2398	2400	2406	rVV	98701	132525	9.74%	0.909%
42	17.186	2409	2414	2420	rVB2	6261	11029	0.81%	0.076%
43	17.256	2423	2426	2428	rBV2	1654	2060	0.15%	0.014%
44	17.398	2442	2450	2455	rBV2	40020	59959	4.41%	0.411%
45	17.492	2462	2466	2469	rBV	3517	5171	0.38%	0.035%
46	17.580	2479	2481	2487	rVB2	2740	3727	0.27%	0.026%
47	17.698	2498	2501	2507	rVB2	2669	3633	0.27%	0.025%
48	17.868	2521	2530	2532	rBV2	35463	80824	5.94%	0.555%
49	17.898	2532	2535	2540	rVV	51740	70783	5.20%	0.486%
50	17.933	2540	2541	2545	rVV3	2023	2600	0.19%	0.018%
51	17.980	2545	2549	2554	rVB	13385	17490	1.29%	0.120%
52	18.045	2554	2560	2564	rBV	71242	107285	7.89%	0.736%
53	18.080	2564	2566	2570	rVB	31161	33328	2.45%	0.229%
54	18.174	2578	2582	2585	rBV3	2362	2973	0.22%	0.020%
55	18.215	2585	2589	2593	rVB3	3530	4262	0.31%	0.029%
56	18.256	2593	2596	2598	rBV3	1648	2009	0.15%	0.014%
57	18.303	2602	2604	2609	rVB2	2001	2103	0.15%	0.014%
58	18.356	2609	2613	2618	rBV	30264	36705	2.70%	0.252%
59	18.421	2620	2624	2629	rVV3	20064	26370	1.94%	0.181%
60	18.480	2629	2634	2637	rVB3	2566	4089	0.30%	0.028%
61	18.598	2649	2654	2658	rBV2	8664	10976	0.81%	0.075%
62	18.651	2661	2663	2666	rVB2	4242	3559	0.26%	0.024%
63	18.692	2666	2670	2674	rBV4	5891	7009	0.52%	0.048%
64	18.768	2676	2683	2688	rBV2	10722	18793	1.38%	0.129%
65	18.839	2689	2695	2698	rVV3	7253	15012	1.10%	0.103%
66	18.868	2698	2700	2703	rVB	11244	10310	0.76%	0.071%
67	18.933	2703	2711	2715	rBV2	9832	17242	1.27%	0.118%
68	19.039	2721	2729	2737	rBV	787415	1030009	75.70%	7.068%
69	19.103	2738	2740	2742	rBV2	3430	2724	0.20%	0.019%
70	19.156	2744	2749	2753	rVB3	16719	22719	1.67%	0.156%
71	19.286	2764	2771	2775	rBV3	32578	49234	3.62%	0.338%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

72	19.380	2781	2787	2789	rBV	737845	995461	73.17%	6.831%
73	19.409	2789	2792	2800	rVV	644574	817101	60.06%	5.607%
74	19.480	2800	2804	2811	rVB2	29321	42897	3.15%	0.294%
75	19.592	2819	2823	2827	rVB	38964	46241	3.40%	0.317%
76	19.668	2829	2836	2842	rBV2	24652	40364	2.97%	0.277%
77	19.733	2842	2847	2855	rBV4	26354	68028	5.00%	0.467%
78	19.809	2856	2860	2865	rBV3	11309	16558	1.22%	0.114%
79	19.874	2865	2871	2872	rBV3	23111	35361	2.60%	0.243%
80	19.909	2872	2877	2882	rVB	94653	137303	10.09%	0.942%
81	20.009	2890	2894	2898	rBV	70586	89760	6.60%	0.616%
82	20.068	2898	2904	2907	rVV3	37340	69664	5.12%	0.478%
83	20.097	2907	2909	2913	rVB2	22385	25902	1.90%	0.178%
84	20.203	2923	2927	2931	rBV	21036	32748	2.41%	0.225%
85	20.250	2932	2935	2940	rVV3	19109	29251	2.15%	0.201%
86	20.497	2975	2977	2980	rBV4	7049	8916	0.66%	0.061%
87	20.533	2981	2983	2987	rVB5	10301	12551	0.92%	0.086%
88	20.668	3003	3006	3010	rBV	24404	31149	2.29%	0.214%
89	20.821	3029	3032	3036	rBV	48652	68853	5.06%	0.472%
90	20.874	3036	3041	3044	rBV2	113526	184246	13.54%	1.264%
91	20.968	3055	3057	3065	rVB	33208	43621	3.21%	0.299%
92	21.180	3083	3093	3096	rBV2	720470	1360557	100.00%	9.337%
93	21.215	3096	3099	3104	rVB	297749	377952	27.78%	2.594%
94	21.327	3115	3118	3123	rVB	70490	87288	6.42%	0.599%
95	22.303	3281	3284	3289	rVB	49951	59166	4.35%	0.406%
96	22.721	3349	3355	3359	rBV	194205	441283	32.43%	3.028%
97	23.180	3429	3433	3436	rBV	96903	166720	12.25%	1.144%
98	23.233	3437	3442	3446	rVV	297723	553431	40.68%	3.798%
99	23.274	3446	3449	3459	rVB	185710	298379	21.93%	2.048%
100	23.368	3459	3465	3471	rBV	333394	647970	47.63%	4.447%

Sum of corrected areas: 14572162

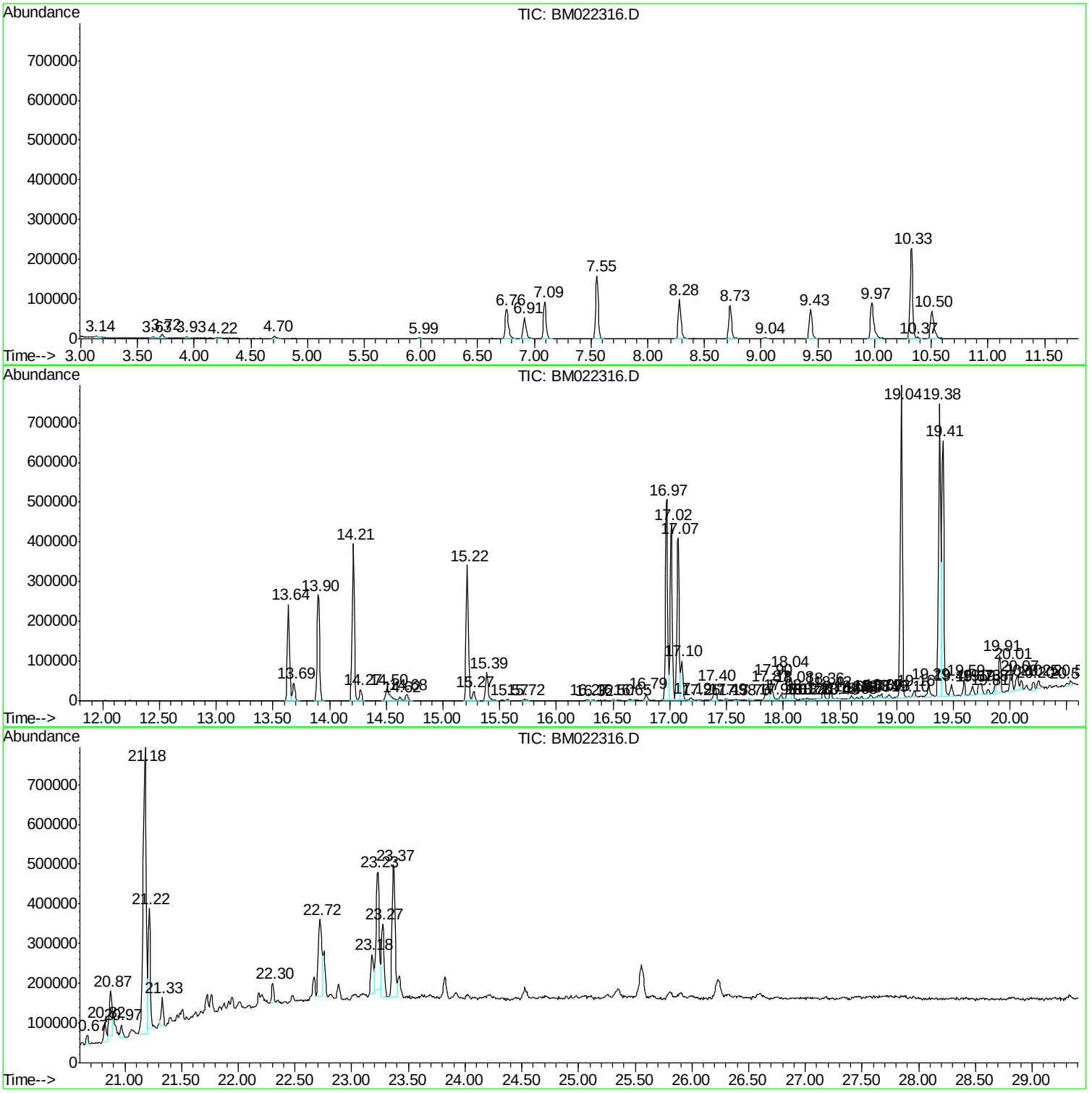
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

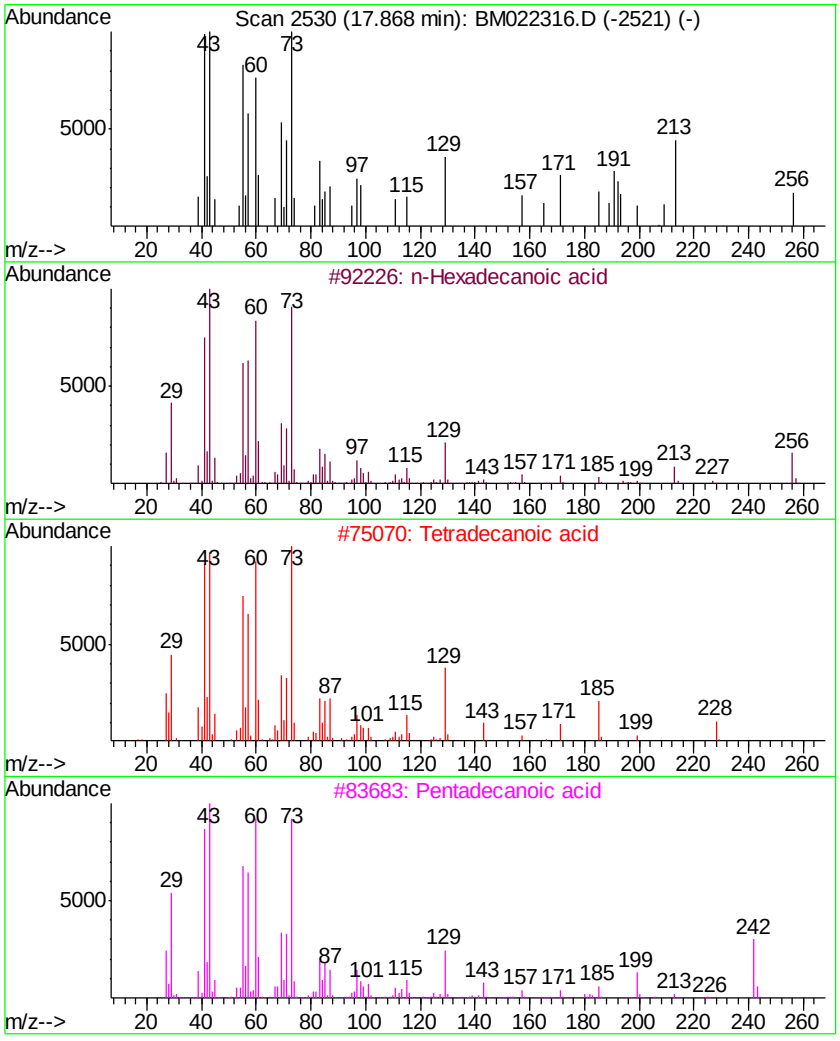
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

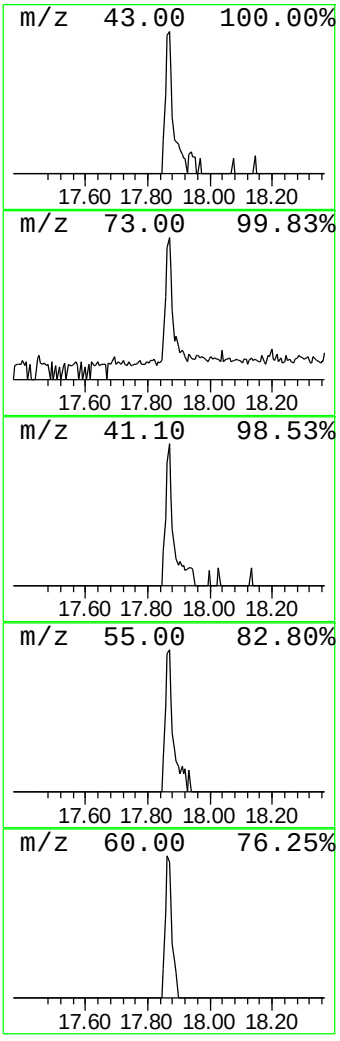
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.29 ng/ul	80824	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	46
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	46
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	43
4	Tridecanoic acid	214	C13H26O2	000638-53-9	40
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

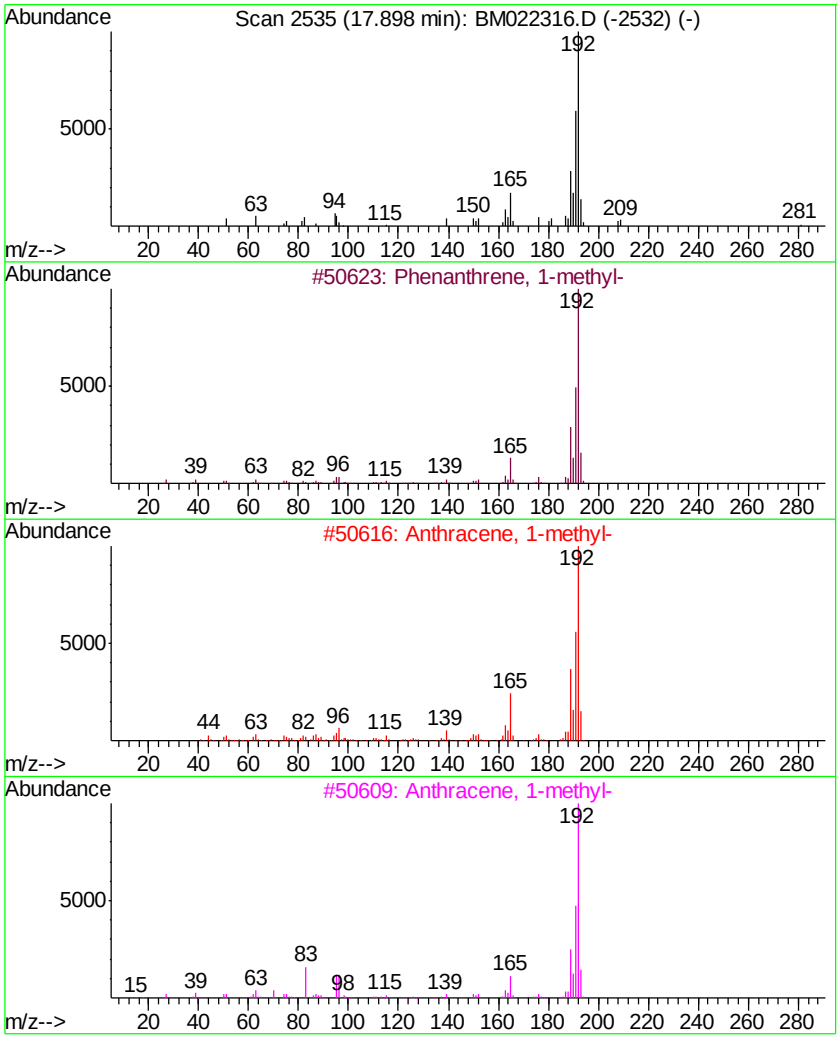
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

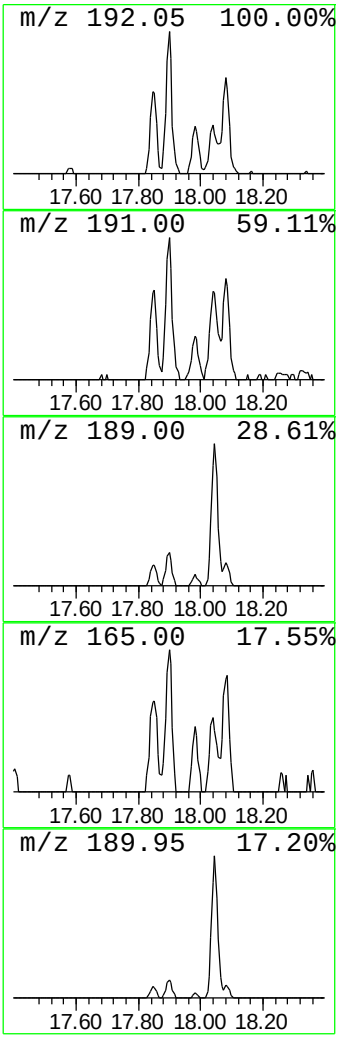
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	2.00 ng/ul	70783	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

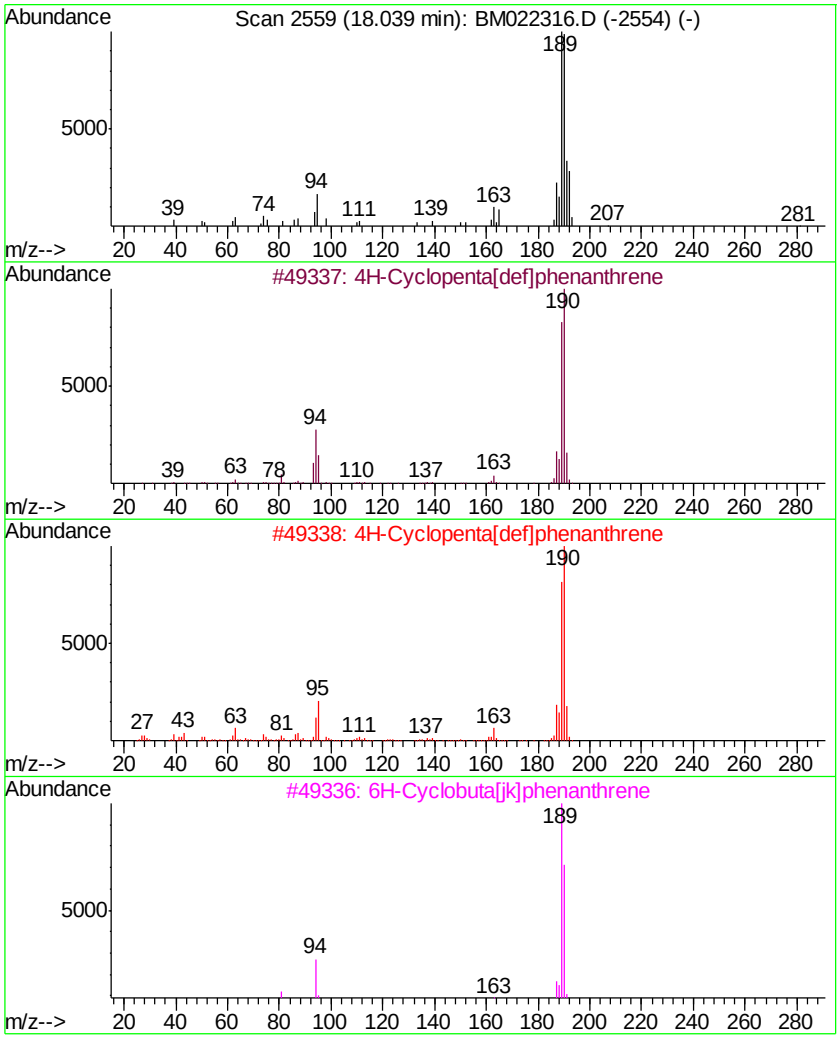
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

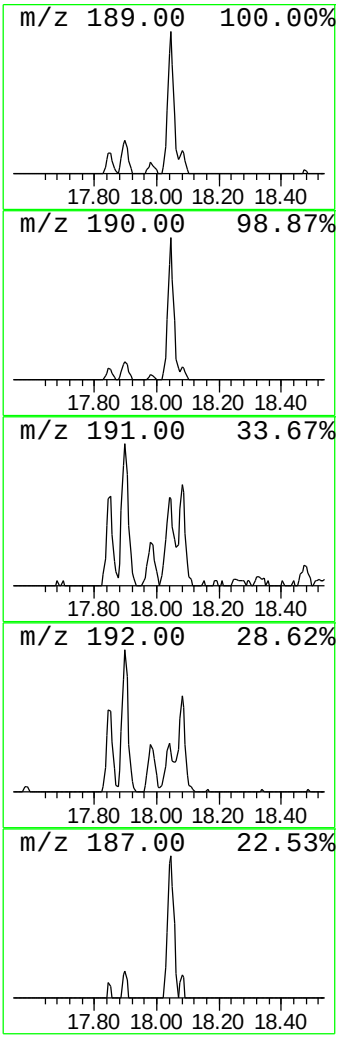
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.04 ng/ul	107285	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

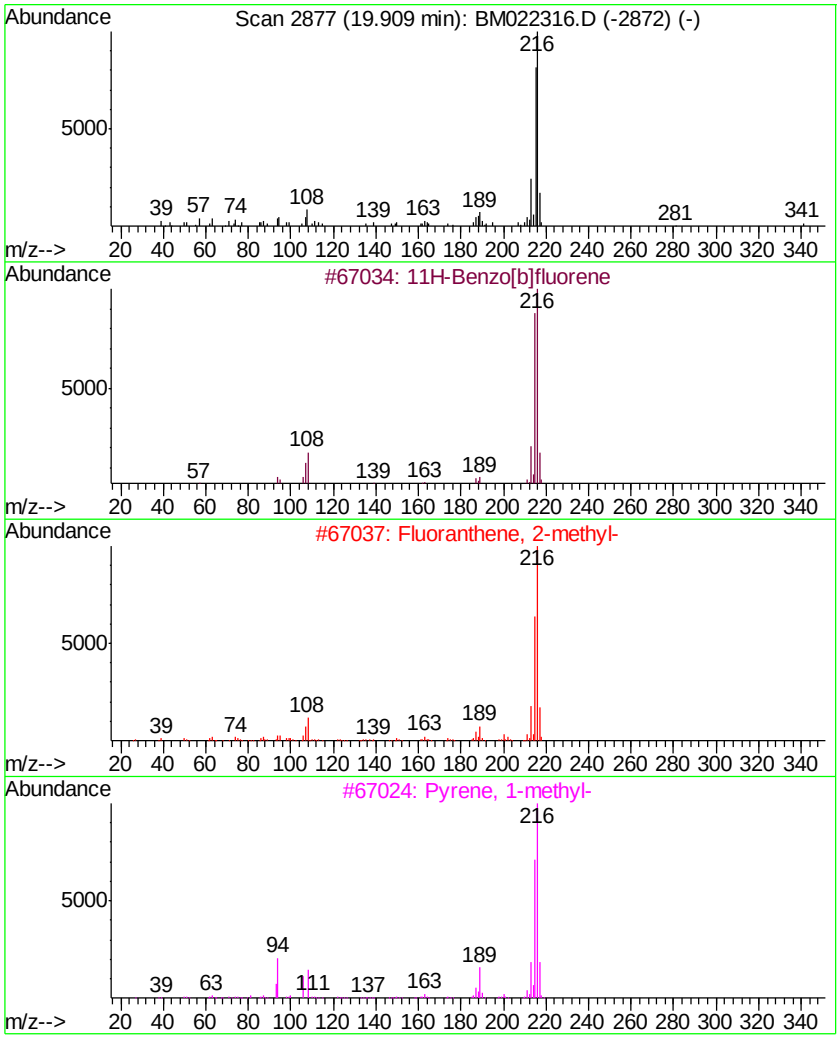
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

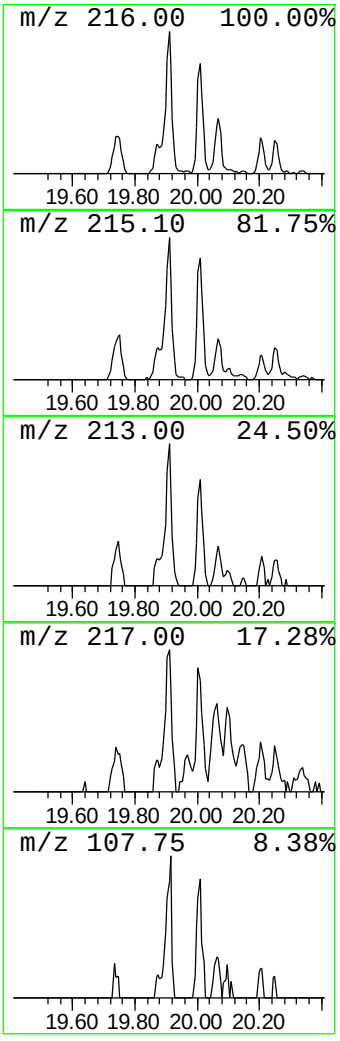
****

Peak Number 4 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.02 ng/ul	137303	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

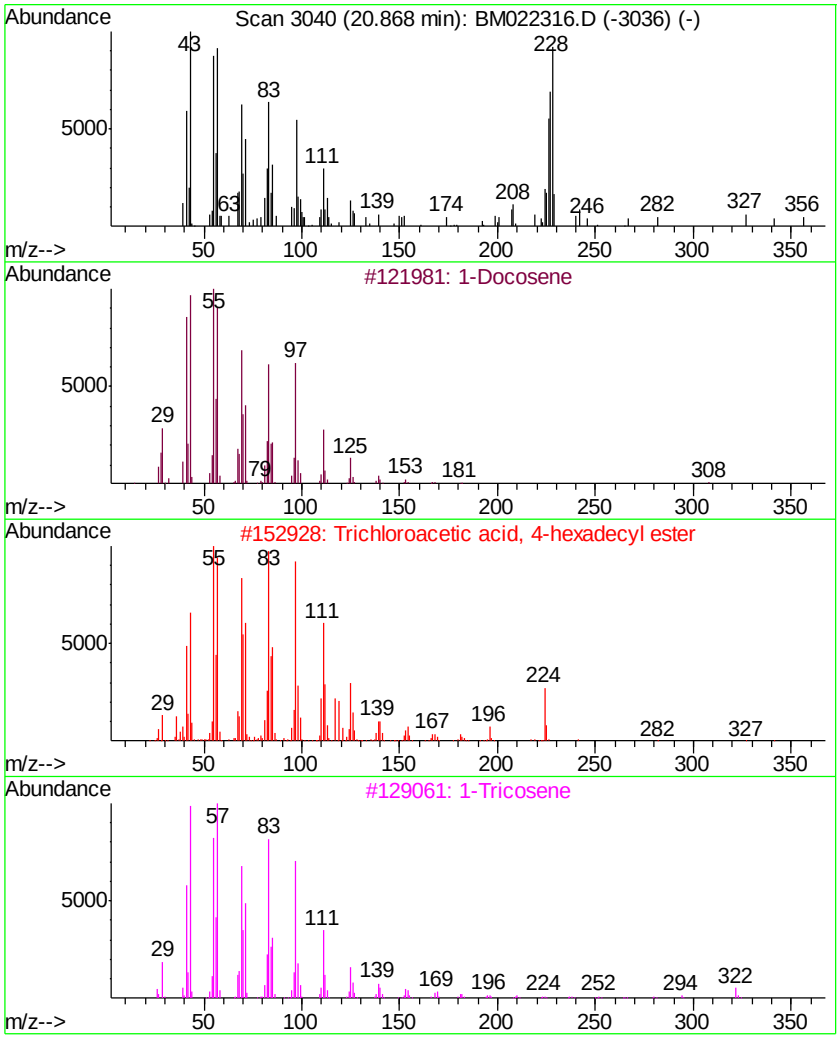
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

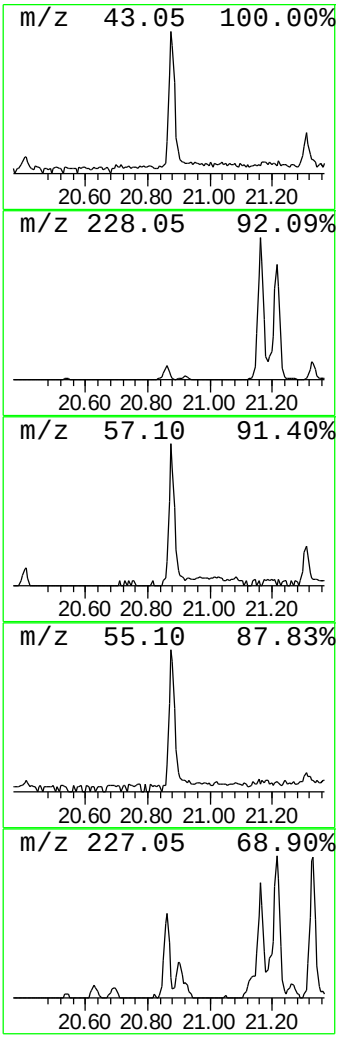
****

Peak Number 5 (DEL) Alkane: Cyclic20.87 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.71 ng/ul	184246	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	87
2	Trichloroacetic acid, 4-hexadecy...	386	C18H33Cl3O2	1000282-92-4	87
3	1-Tricosene	322	C23H46	018835-32-0	87
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

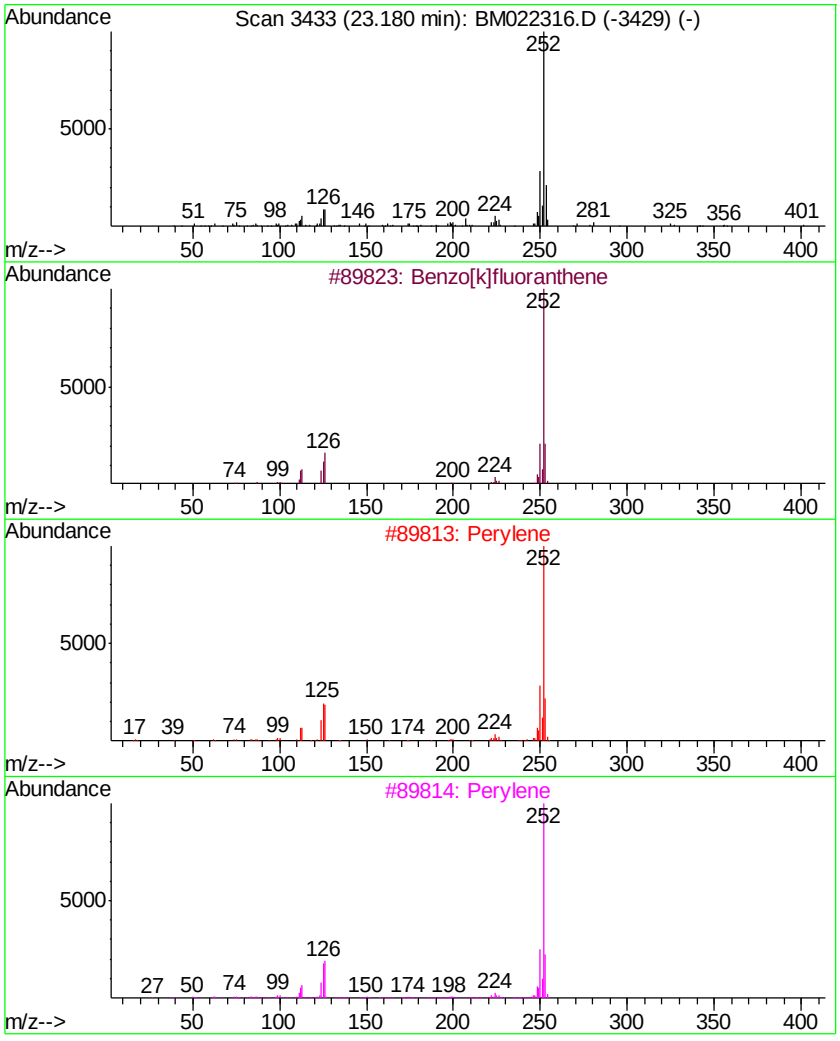
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

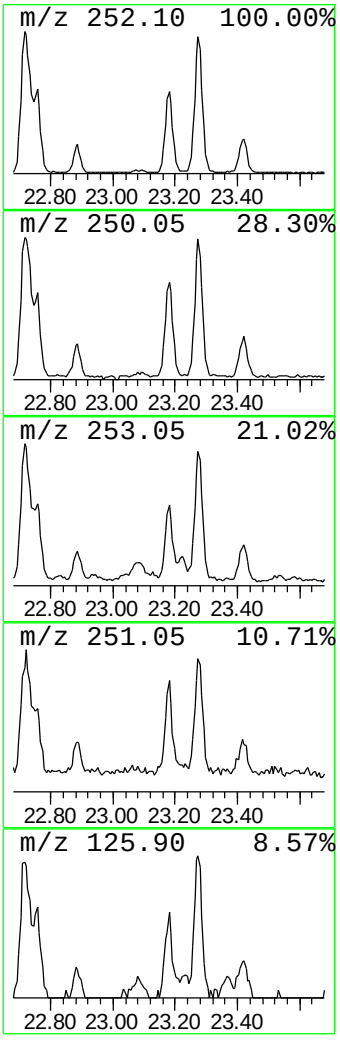
****

Peak Number 6 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	5.15 ng/ul	166720	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Data File : BM022316.D
Acq On : 25 Aug 2019 06:01
Operator : HP/JU
Sample : K4242-02ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AG7ME

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	17.87	2.3	ng/ul	80824	4	16.97	706691	20.0
Phenanthrene, 1-m...	17.90	2.0	ng/ul	70783	4	16.97	706691	20.0
4H-Cyclopenta[def...	18.04	3.0	ng/ul	107285	4	16.97	706691	20.0
11H-Benzo[b]fluorene	19.91	2.0	ng/ul	137303	5	21.18	1360560	20.0
(DEL) Alkane: Cyc...	20.87	2.7	ng/ul	184246	5	21.18	1360560	20.0
Perylene	23.18	5.2	ng/ul	166720	6	23.37	647970	20.0