LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

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-BM101419MA.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	6.822	646	652	661	rBV	218671	374173	2.82%	0.294%
2	6.987	674	680	688	rBV	150415	256632	1.93%	0.201%
3	7.181	707	713	722	rVB	226456	363381	2.74%	0.285%
4	7.645	784	792	802	rBV	1420906	2225581	16.76%	1.747%
5	8.181	877	883	890	rBV	56662	103258	0.78%	0.081%
6	8.351	906	912	920	rBV	249433	405810	3.06%	0.319%
7	8.792	978	987	995	rBV	189684	328679	2.48%	0.258%
8	9.510	1103	1109	1120	rVB	145064	244609	1.84%	0.192%
9	10.051	1194	1201	1210	rBV	258739	448272	3.38%	0.352%
10	10.422	1257	1264	1270	rBV	1807319	3105117	23.39%	2.438%
11	10.475	1270	1273	1281	rVB	283307	424206	3.20%	0.333%
12	10.563	1281	1288	1296	rBV2	191679	368474	2.78%	0.289%
13	12.098	1543	1549	1555	rBV	73510	120359	0.91%	0.094%
14	12.316	1580	1586	1592	rVB2	53727	89614	0.68%	0.070%
15	13.122	1719	1723	1731	rBV3	19848	35930	0.27%	0.028%
16	13.610	1798	1806	1812	rBV3	30004	56806	0.43%	0.045%
17	13.704	1818	1822	1827	rVV	469224	677626	5.10%	0.532%
18	13.751	1827	1830	1836	rVB	130412	184840	1.39%	0.145%
19	13.980	1863	1869	1871	rBV	531081	811363	6.11%	0.637%
20	14.010	1871	1874	1886	rVB	526257	816352	6.15%	0.641%
21	14.292	1915	1922	1928	rVV	2745947	4127391	31.09%	3.240%
22	14.357	1928	1933	1939	rVB	217058	326535	2.46%	0.256%
23	14.492	1950	1956	1965	rBV2	128387	240444	1.81%	0.189%
24	14.692	1985	1990	2001	rVB2	111815	229356	1.73%	0.180%
25	14.916	2021	2028	2034	rBV9	16418	39794	0.30%	0.031%
26	15.168	2067	2071	2077	rVB3	28399	52329	0.39%	0.041%
27	15.286	2085	2091	2096	rBV	781447	1099949	8.29%	0.864%
28	15.339	2096	2100	2106	rVV2	130704	210382	1.58%	0.165%
29	15.404	2106	2111	2119	rVV	132805	190199	1.43%	0.149%
30	15.639	2147	2151	2156	rBV	38715	69605	0.52%	0.055%
31	15.757	2163	2171	2173	rBV8	18474	37246	0.28%	0.029%
32	15.792	2173	2177	2184	rVV2	45726	95368	0.72%	0.075%
33	16.015	2209	2215	2222	rBV	165378	286371	2.16%	0.225%
34	16.315	2258	2266	2268	rBV9	23871	47120	0.35%	0.037%

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

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-BM101419MA.M
Title : SVOA CALIBRATION

35	16.351	2270	2272	2277	rVV4	28061	41133	0.31%	0.032%
36	16.580	2307	2311	2314	rVV3	34402	41936	0.32%	0.033%
37	16.621	2314	2318	2321	rVV3	47879	66862	0.50%	0.052%
38	16.686	2325	2329	2339	rVB	81820	154482	1.16%	0.121%
39	16.780	2339	2345	2350	rBV5	49539	123760	0.93%	0.097%
40	17.033	2382	2388	2393	rVV2	3325462	5087758	38.32%	3.994%
41	17.074	2393	2395	2400	rVV	828262	1061861	8.00%	0.834%
42	17.133	2400	2405	2408	rVV	860134	1349670	10.17%	1.060%
43	17.168	2408	2411	2417	rVV	1639284	2187158	16.47%	1.717%
44	17.233	2417	2422	2428	rVB4	65202	127823	0.96%	0.100%
45	17.439	2450	2457	2462	rBV	238108	387831	2.92%	0.304%
46	17.486	2462	2465	2468	rBV3	29197	38976	0.29%	0.031%
47	17.562	2474	2478	2483	rVV2	66316	93321	0.70%	0.073%
48	17.698	2497	2501	2506	rVB2	101515	145187	1.09%	0.114%
49	17.915	2532	2538	2541	rBV	99806	157927	1.19%	0.124%
50	17.957	2541	2545	2553	rVB	197691	308886	2.33%	0.242%
51	18.039	2554	2559	2564	rBV	185182	266833	2.01%	0.209%
52	18.104	2565	2570	2575	rBV2	293587	531200	4.00%	0.417%
53	18.298	2600	2603	2610	rVB	84648	138810	1.05%	0.109%
54	18.386	2615	2618	2620	rVV3	36350	51354	0.39%	0.040%
55	18.415	2620	2623	2626	rVV	152124	213255	1.61%	0.167%
56	18.451	2626	2629	2635	rVB	192390	261864	1.97%	0.206%
57	18.545	2642	2645	2651	rVB4	40094	62181	0.47%	0.049%
58	18.668	2663	2666	2671	rVB3	52640	68031	0.51%	0.053%
59	18.721	2671	2675	2678	rVV2	48609	67216	0.51%	0.053%
60	18.756	2678	2681	2685	rVB	76087	102930	0.78%	0.081%
61	18.833	2690	2694	2700	rBV3	166299	295280	2.22%	0.232%
62	18.898	2701	2705	2709	rVV4	109539	180240	1.36%	0.141%
63	18.974	2713	2718	2726	rVB	370151	552069	4.16%	0.433%
64	19.098	2734	2739	2745	rVB	4059228	5328619	40.14%	4.183%
65	19.168	2748	2751	2754	rBV	78552	110231	0.83%	0.087%
66	19.251	2761	2765	2768	rVB	193771	246336	1.86%	0.193%
67	19.433	2791	2796	2798	rBV2	1961859	2826084	21.29%	2.219%
68	19.462	2798	2801	2809	rVV	3929007	5195416	39.13%	4.079%
69	19.533	2810	2813	2822	rVB2	169167	322258	2.43%	0.253%
70	19.645	2828	2832	2837	rBV	350796	508357	3.83%	0.399%
71	19.703	2838	2842	2848	rVB2	206307	329701	2.48%	0.259%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

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-BM101419MA.M
Title : SVOA CALIBRATION

72	19.798	2852	2858	2863	rBV4	512919	1123533	8.46%	0.882%
73	19.956	2875	2885	2891	rBV3	808944	2213536	16.67%	1.738%
74	20.062	2899	2903	2906	rBV2	499325	600293	4.52%	0.471%
75	20.115	2906	2912	2917	rVV2	804761	1363400	10.27%	1.070%
76	20.156	2917	2919	2923	rVB2	215336	248244	1.87%	0.195%
77	20.203	2924	2927	2932	rBV2	128372	189698	1.43%	0.149%
78	20.256	2933	2936	2940	rBV	557031	728764	5.49%	0.572%
79	20.303	2940	2944	2949	rVV2	407571	613977	4.62%	0.482%
80	20.521	2977	2981	2983	rBV3	238879	350949	2.64%	0.276%
81	20.627	2997	2999	3002	rVB2	168489	144786	1.09%	0.114%
82	20.709	3009	3013	3019	rVB2	588181	883657	6.66%	0.694%
83	20.874	3036	3041	3045	rBV3	524790	878991	6.62%	0.690%
84	20.915	3045	3048	3050	rBV	517393	536776	4.04%	0.421%
85	20.950	3050	3054	3060	rBV2	763246	1300918	9.80%	1.021%
86	21.227	3094	3101	3105	rBV2	6081447	12594039	94.86%	9.887%
87	21.262	3105	3107	3114	rVB	4834783	5968081	44.95%	4.685%
88	21.380	3124	3127	3136	rBV2	463431	1146181	8.63%	0.900%
89	21.533	3149	3153	3159	rBV2	563546	930542	7.01%	0.731%
90	21.774	3192	3194	3198	rVB	693852	787709	5.93%	0.618%
91	21.827	3200	3203	3210	rVB3	538665	870406	6.56%	0.683%
92	21.968	3224	3227	3230	rBV2	353693	439800	3.31%	0.345%
93	22.780	3358	3365	3369	rBV2	6034023	13276112	100.00%	10.422%
94	22.944	3389	3393	3400	rVB	821112	1272460	9.58%	0.999%
95	23.244	3438	3444	3449	rBV	3075663	5635837	42.45%	4.424%
96	23.339	3455	3460	3465	rVB	2798896	4538021	34.18%	3.563%
97	23.433	3470	3476	3481	rBV	3460468	6389710	48.13%	5.016%
98	23.480	3481	3484	3493	rVB2	1055865	2039016	15.36%	1.601%
99	25.638	3843	3851	3864	rVB2	2520639	7821919	58.92%	6.141%
100	26.309	3959	3965	3979	rVB	1691689	4967592	37.42%	3.900%

Sum of corrected areas: 127380954

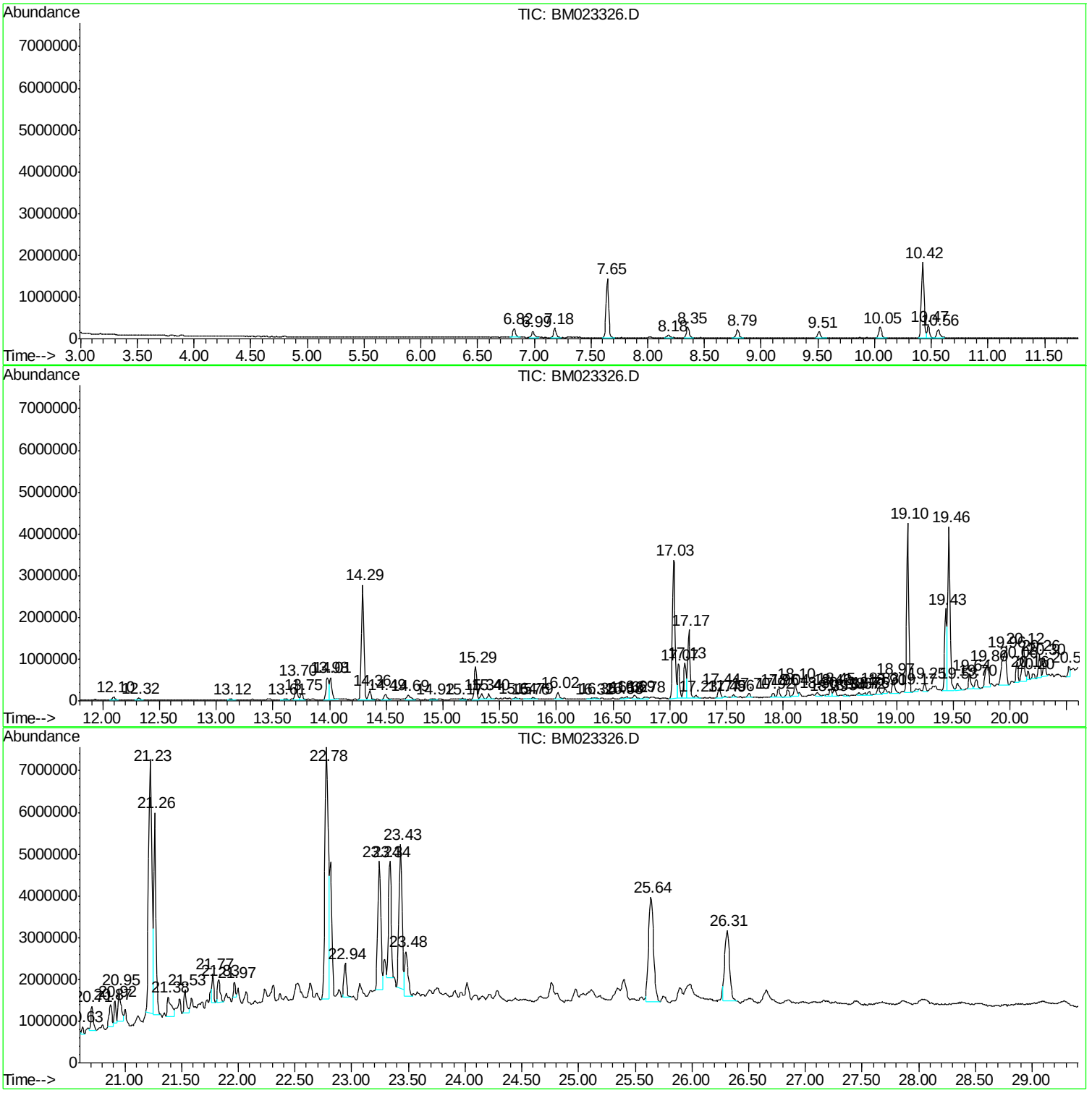
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

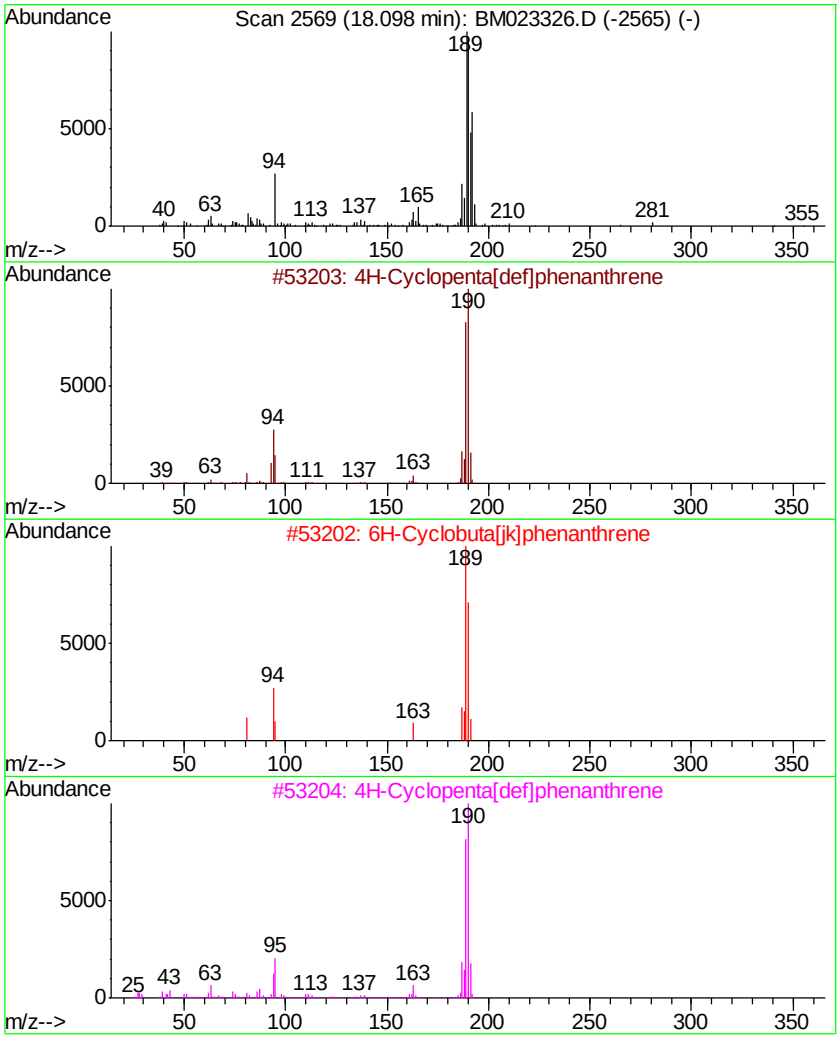
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

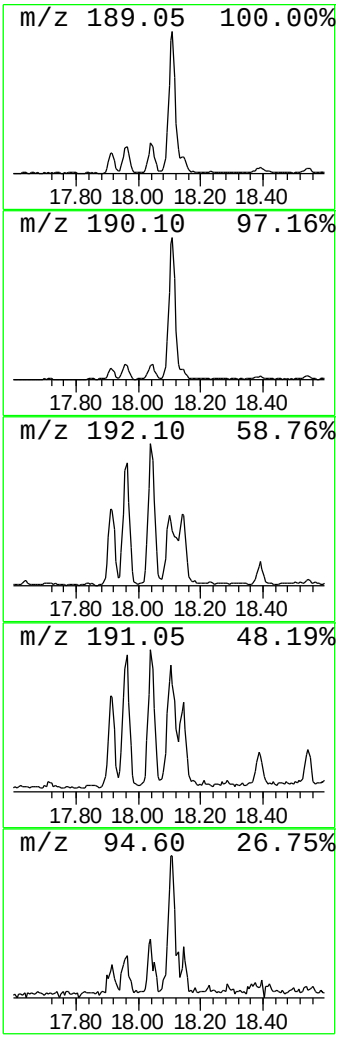
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.09 ng/ul	531200	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

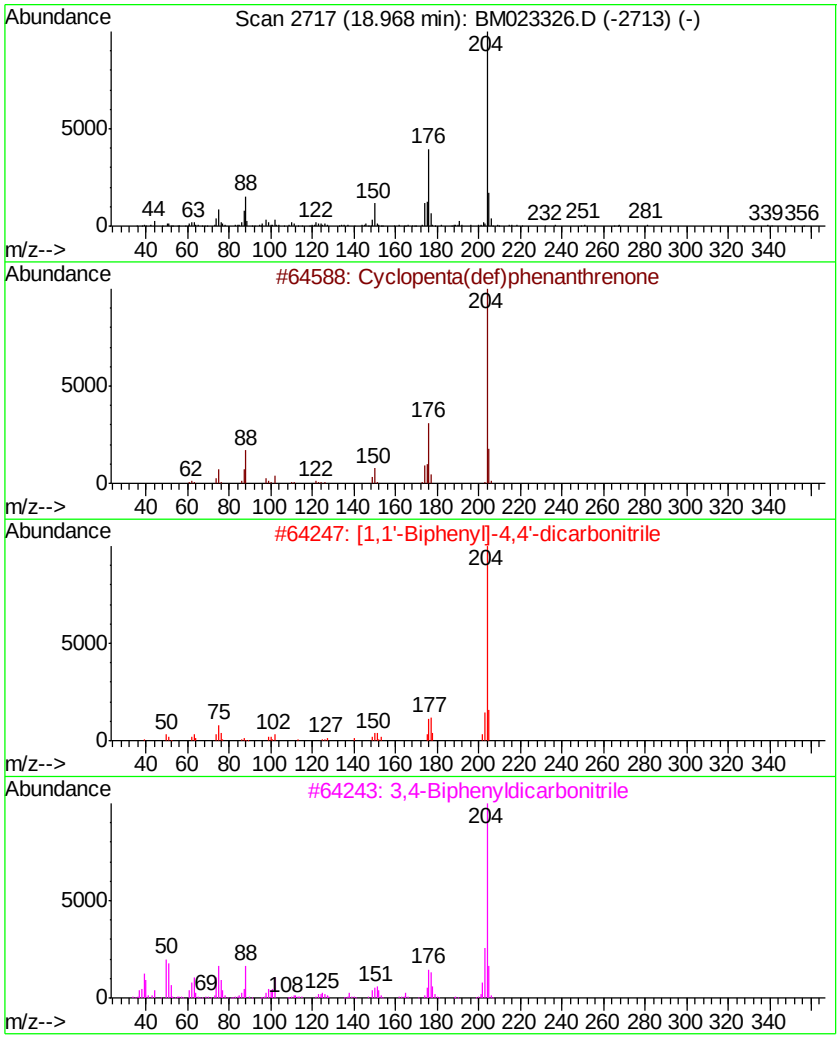
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

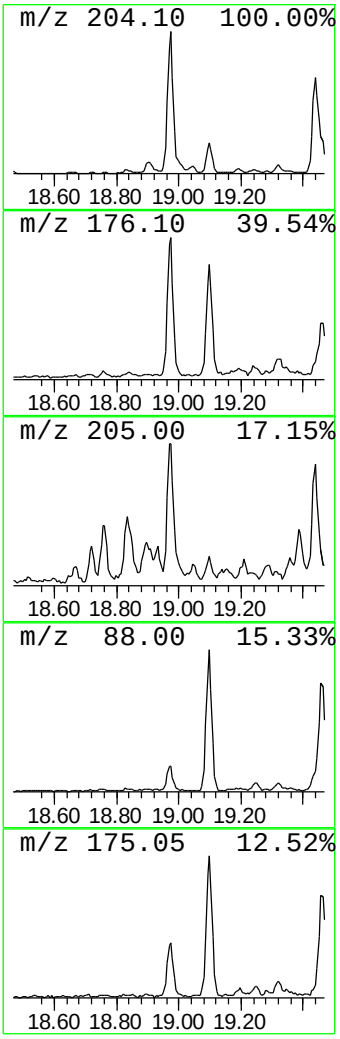
****

Peak Number 2 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.17 ng/ul	552069	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

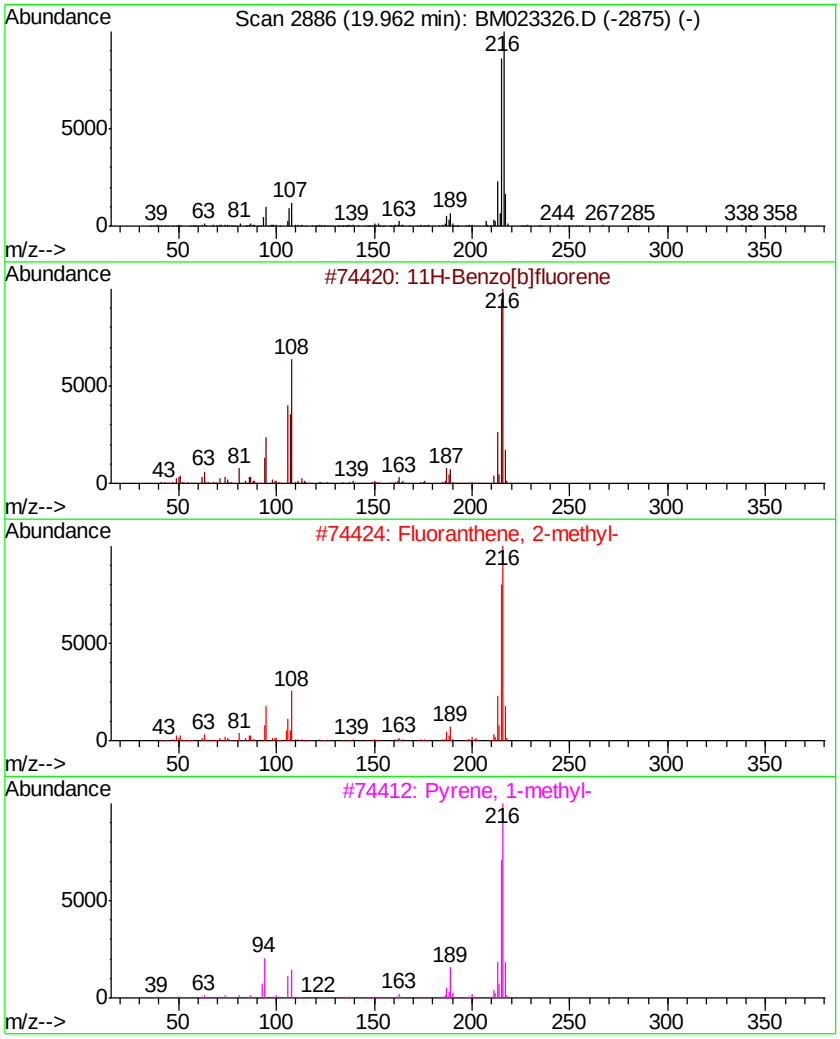
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

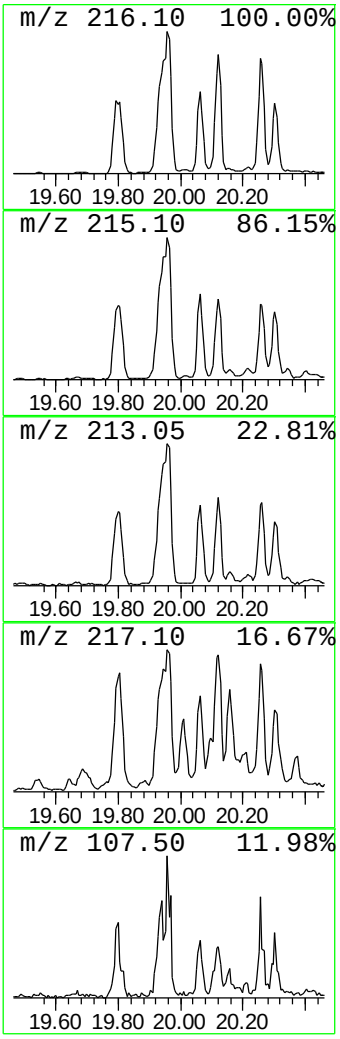
****

Peak Number 3 11H-Benzo[b]fluorene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.52 ng/ul	2213540	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

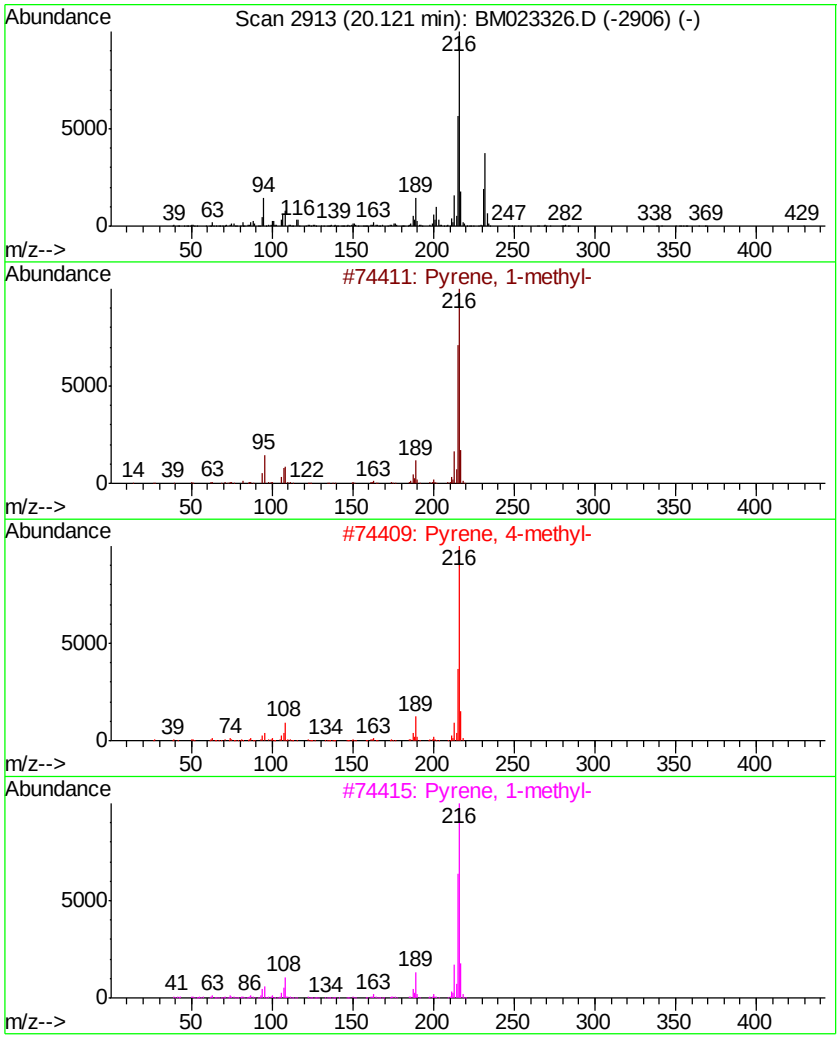
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

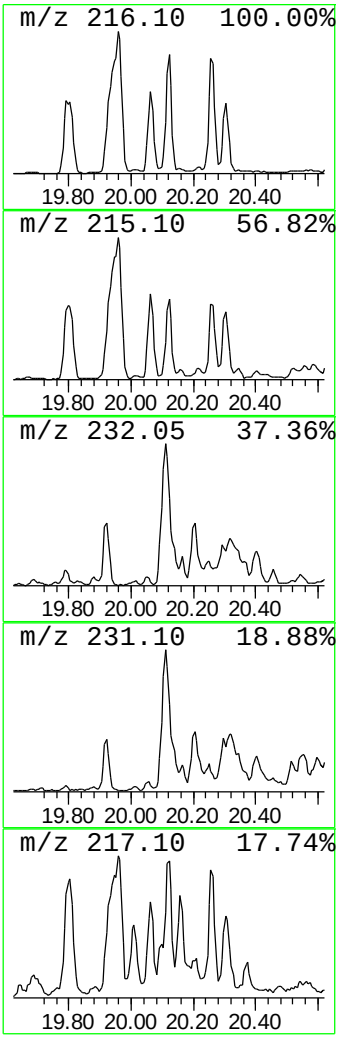
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.17 ng/ul	1363400	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

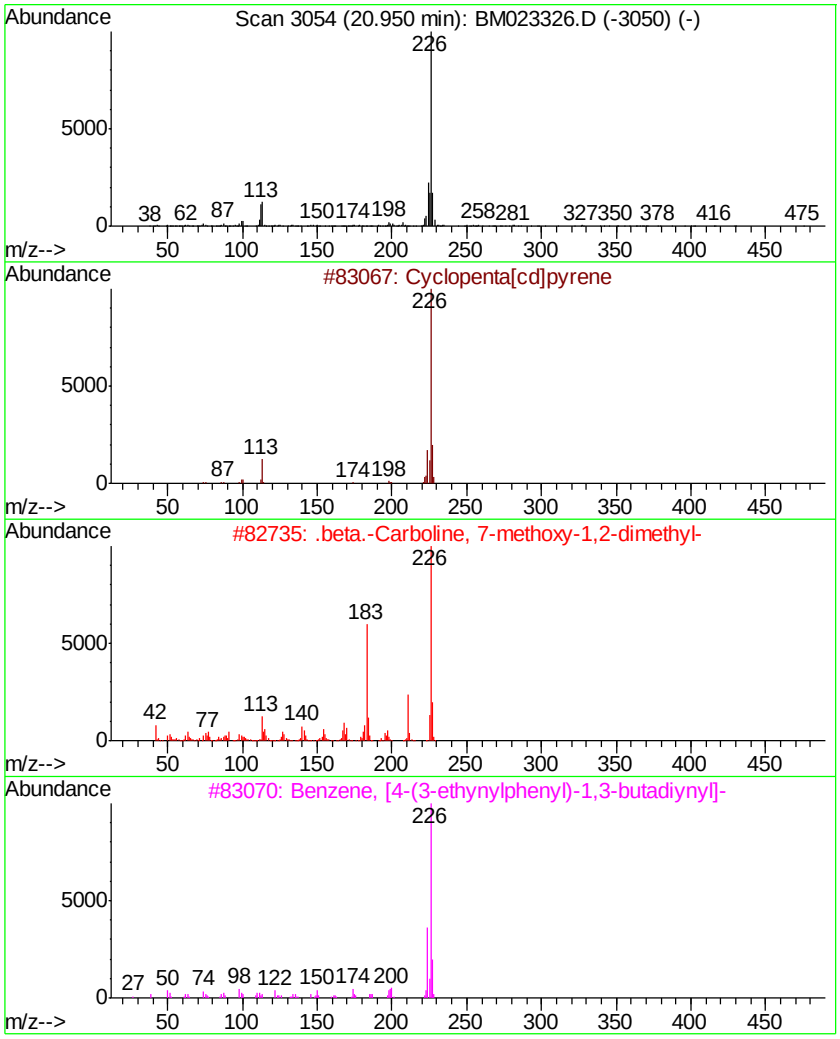
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

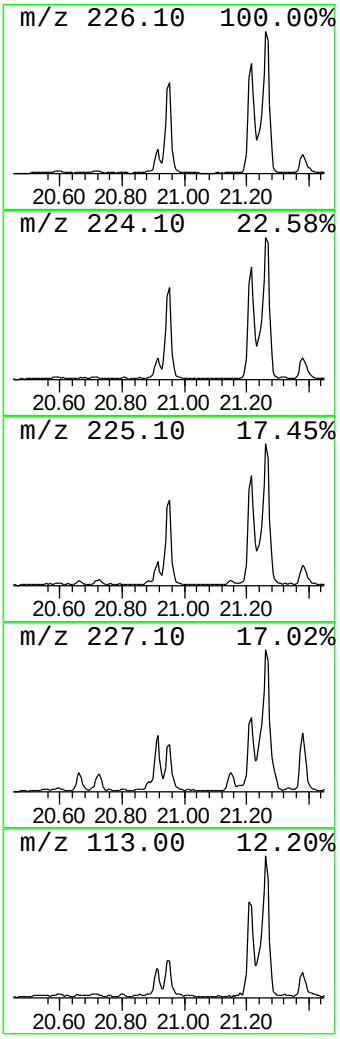
****

Peak Number 5 Cyclopenta[cd]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	2.07 ng/ul	1300920	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	42
4	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	40
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

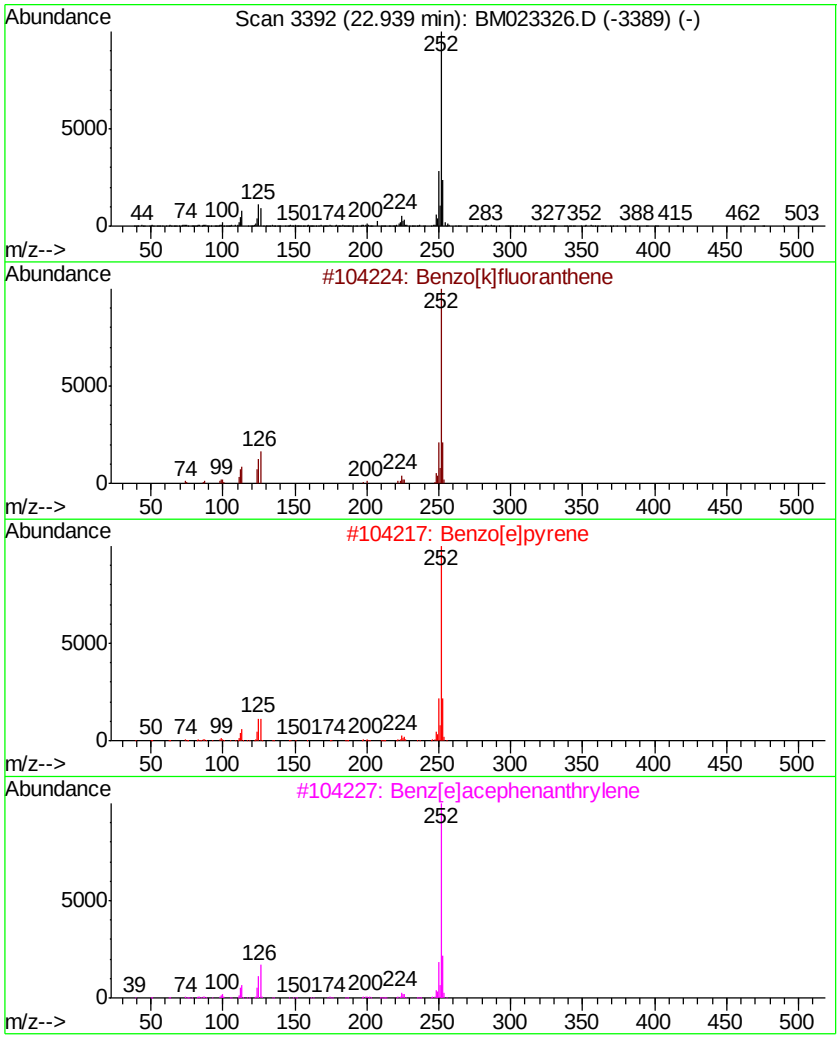
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

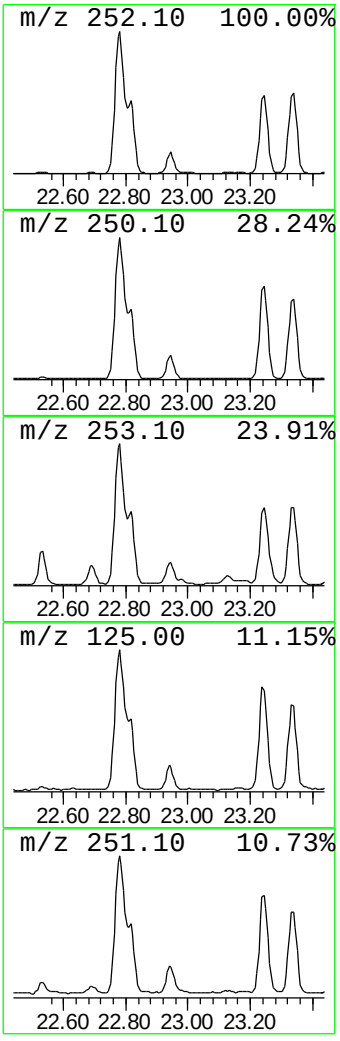
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	3.98 ng/ul	1272460	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Data File : BM023326.D
Acq On : 22 Oct 2019 19:32
Operator : JU
Sample : K5345-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOJ6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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...	18.10	2.1	ng/ul	531200	4	17.03	5087760	20.0
Cyclopenta(def)ph...	18.97	2.2	ng/ul	552069	4	17.03	5087760	20.0
11H-Benzo[b]fluorene	19.96	3.5	ng/ul	2213540	5	21.23	12594000	20.0
Pyrene, 1-methyl-	20.12	2.2	ng/ul	1363400	5	21.23	12594000	20.0
Cyclopenta[cd]pyrene	20.95	2.1	ng/ul	1300920	5	21.23	12594000	20.0
Benzo[e]pyrene	22.94	4.0	ng/ul	1272460	6	23.43	6389710	20.0