LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

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-BN051819MA.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	6.769	639	643	658	rVB2	73007	189603	8.07%	0.769%
2	6.910	663	667	676	rBV	67378	122559	5.22%	0.497%
3	7.105	696	700	713	rVB	89327	181196	7.71%	0.735%
4	7.563	773	778	790	rVB	137648	262272	11.16%	1.064%
5	8.287	897	901	913	rBV2	73189	162419	6.91%	0.659%
6	8.722	969	975	987	rVB	100508	203860	8.68%	0.827%
7	9.434	1091	1096	1110	rVB	74547	159467	6.79%	0.647%
8	9.993	1186	1191	1206	rBV	74241	205017	8.73%	0.832%
9	10.322	1241	1247	1254	rBV	228313	410180	17.46%	1.664%
10	10.375	1254	1256	1262	rVB2	17363	23094	0.98%	0.094%
11	10.498	1271	1277	1294	rBV3	54940	166043	7.07%	0.674%
12	12.240	1568	1573	1580	rBV3	7411	15956	0.68%	0.065%
13	13.528	1787	1792	1797	rVB2	9730	16624	0.71%	0.067%
14	13.622	1802	1808	1813	rVV	307551	489230	20.82%	1.985%
15	13.669	1813	1816	1826	rVB	89381	145245	6.18%	0.589%
16	13.892	1848	1854	1865	rBV	383118	585764	24.93%	2.376%
17	14.198	1900	1906	1913	rBV2	448601	667483	28.41%	2.708%
18	14.263	1913	1917	1923	rVB	62555	88509	3.77%	0.359%
19	14.510	1954	1959	1973	rBV6	29895	97359	4.14%	0.395%
20	14.616	1973	1977	1983	rVV	40064	65155	2.77%	0.264%
21	15.204	2071	2077	2084	rBV	506626	751679	31.99%	3.049%
22	15.269	2084	2088	2097	rVB	59237	92496	3.94%	0.375%
23	15.386	2101	2108	2113	rBV2	54821	109340	4.65%	0.444%
24	15.563	2134	2138	2144	rVB	14802	22831	0.97%	0.093%
25	15.716	2159	2164	2174	rBV2	15755	31696	1.35%	0.129%
26	16.275	2251	2259	2263	rVV5	14987	34355	1.46%	0.139%
27	16.322	2263	2267	2273	rVV4	11057	16957	0.72%	0.069%
28	16.504	2295	2298	2301	rVV2	8765	14169	0.60%	0.057%
29	16.539	2301	2304	2308	rVV4	12101	17979	0.77%	0.073%
30	16.628	2313	2319	2327	rVV2	22246	40851	1.74%	0.166%
31	16.710	2327	2333	2341	rVV5	28137	54530	2.32%	0.221%
32	16.781	2341	2345	2354	rVB	36050	52790	2.25%	0.214%
33	16.957	2369	2375	2379	rBV2	676280	994403	42.32%	4.034%
34	16.998	2379	2382	2388	rVV	762363	1041671	44.33%	4.226%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

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-BN051819MA.M
Title : SVOA CALIBRATION

35	17.063	2388	2393	2397	rVV	589078	917596	39.05%	3.722%
36	17.098	2397	2399	2406	rVV	142556	181512	7.72%	0.736%
37	17.175	2406	2412	2417	rVV5	9522	18662	0.79%	0.076%
38	17.386	2440	2448	2458	rBV2	46412	96820	4.12%	0.393%
39	17.692	2496	2500	2508	rVB5	7808	16265	0.69%	0.066%
40	17.845	2520	2526	2529	rBV	87932	128488	5.47%	0.521%
41	17.892	2529	2534	2541	rVB	130234	208572	8.88%	0.846%
42	17.980	2544	2549	2553	rBV	39499	53138	2.26%	0.216%
43	18.033	2553	2558	2563	rBV	120964	202101	8.60%	0.820%
44	18.075	2563	2565	2575	rVB	68379	96266	4.10%	0.391%
45	18.351	2607	2612	2617	rBV	66532	90031	3.83%	0.365%
46	18.410	2617	2622	2629	rVB	49363	82126	3.50%	0.333%
47	18.480	2629	2634	2638	rBV3	9453	13697	0.58%	0.056%
48	18.598	2651	2654	2660	rVB3	19580	26531	1.13%	0.108%
49	18.651	2660	2663	2667	rBV	16355	18908	0.80%	0.077%
50	18.692	2667	2670	2675	rVB3	17079	22041	0.94%	0.089%
51	18.775	2679	2684	2688	rBV	49800	75562	3.22%	0.307%
52	18.839	2688	2695	2698	rVV5	23496	44578	1.90%	0.181%
53	18.869	2698	2700	2704	rVB2	18324	18589	0.79%	0.075%
54	18.927	2704	2710	2716	rVB4	32996	75383	3.21%	0.306%
55	19.039	2721	2729	2737	rBV	889954	1185865	50.47%	4.811%
56	19.110	2737	2741	2744	rBV	11404	15062	0.64%	0.061%
57	19.151	2744	2748	2752	rBV6	12670	24295	1.03%	0.099%
58	19.286	2764	2771	2775	rBV4	40174	69444	2.96%	0.282%
59	19.374	2781	2786	2789	rVV	1067370	1555757	66.21%	6.311%
60	19.404	2789	2791	2801	rVV	778557	976251	41.55%	3.960%
61	19.486	2801	2805	2813	rVB2	50089	83228	3.54%	0.338%
62	19.598	2820	2824	2831	rVB	50738	73823	3.14%	0.299%
63	19.674	2831	2837	2843	rBV2	19446	38723	1.65%	0.157%
64	19.739	2843	2848	2856	rBV3	51309	136616	5.81%	0.554%
65	19.916	2867	2878	2885	rBV	125988	267947	11.40%	1.087%
66	20.016	2891	2895	2899	rBV	68097	83497	3.55%	0.339%
67	20.074	2899	2905	2910	rBV2	88563	163249	6.95%	0.662%
68	20.157	2917	2919	2924	rVB5	25291	33768	1.44%	0.137%
69	20.216	2924	2929	2933	rBV	50956	75231	3.20%	0.305%
70	20.263	2933	2937	2943	rBV2	54965	81630	3.47%	0.331%
71	20.363	2951	2954	2957	rBV5	13386	21998	0.94%	0.089%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

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-BN051819MA.M
Title : SVOA CALIBRATION

72	20.445	2965	2968	2970	rBV4	15756	14978	0.64%	0.061%
73	20.480	2971	2974	2977	rBV4	11643	13920	0.59%	0.056%
74	20.551	2983	2986	2989	rVV	27327	28992	1.23%	0.118%
75	20.633	2998	3000	3004	rBV4	11739	17192	0.73%	0.070%
76	20.686	3005	3009	3015	rVB	77692	101687	4.33%	0.413%
77	20.845	3028	3036	3038	rBV	83685	134877	5.74%	0.547%
78	20.874	3038	3041	3045	rVV	89183	119903	5.10%	0.486%
79	20.916	3045	3048	3057	rVV3	93653	198929	8.47%	0.807%
80	20.992	3057	3061	3067	rVB	75633	106978	4.55%	0.434%
81	21.086	3069	3077	3079	rBV2	34102	80680	3.43%	0.327%
82	21.198	3086	3096	3100	rBV2	1253292	2349703	100.00%	9.532%
83	21.233	3100	3102	3107	rVB	425603	489483	20.83%	1.986%
84	21.357	3119	3123	3127	rVB	89489	103549	4.41%	0.420%
85	21.521	3147	3151	3155	rBV3	46413	75298	3.20%	0.305%
86	21.698	3178	3181	3183	rBV2	22373	24236	1.03%	0.098%
87	21.751	3187	3190	3193	rVB	81921	84686	3.60%	0.344%
88	21.786	3193	3196	3198	rBV2	56129	64340	2.74%	0.261%
89	21.863	3207	3209	3213	rVB4	31419	30326	1.29%	0.123%
90	21.945	3220	3223	3227	rBV3	43720	73459	3.13%	0.298%
91	22.239	3269	3273	3278	rBV3	130047	186752	7.95%	0.758%
92	22.751	3352	3360	3365	rBV2	368258	979633	41.69%	3.974%
93	22.915	3385	3388	3393	rVB	53357	76265	3.25%	0.309%
94	23.210	3433	3438	3441	rBV	183794	310815	13.23%	1.261%
95	23.257	3441	3446	3451	rBV2	819751	1522234	64.78%	6.175%
96	23.398	3463	3470	3476	rBV	840321	1614634	68.72%	6.550%
97	23.892	3550	3554	3562	rVB	127338	239114	10.18%	0.970%
98	24.610	3671	3676	3682	rVB2	87913	171341	7.29%	0.695%
99	25.592	3837	3843	3853	rVB2	145298	384706	16.37%	1.561%
100	26.262	3951	3957	3969	rVB	84145	245540	10.45%	0.996%

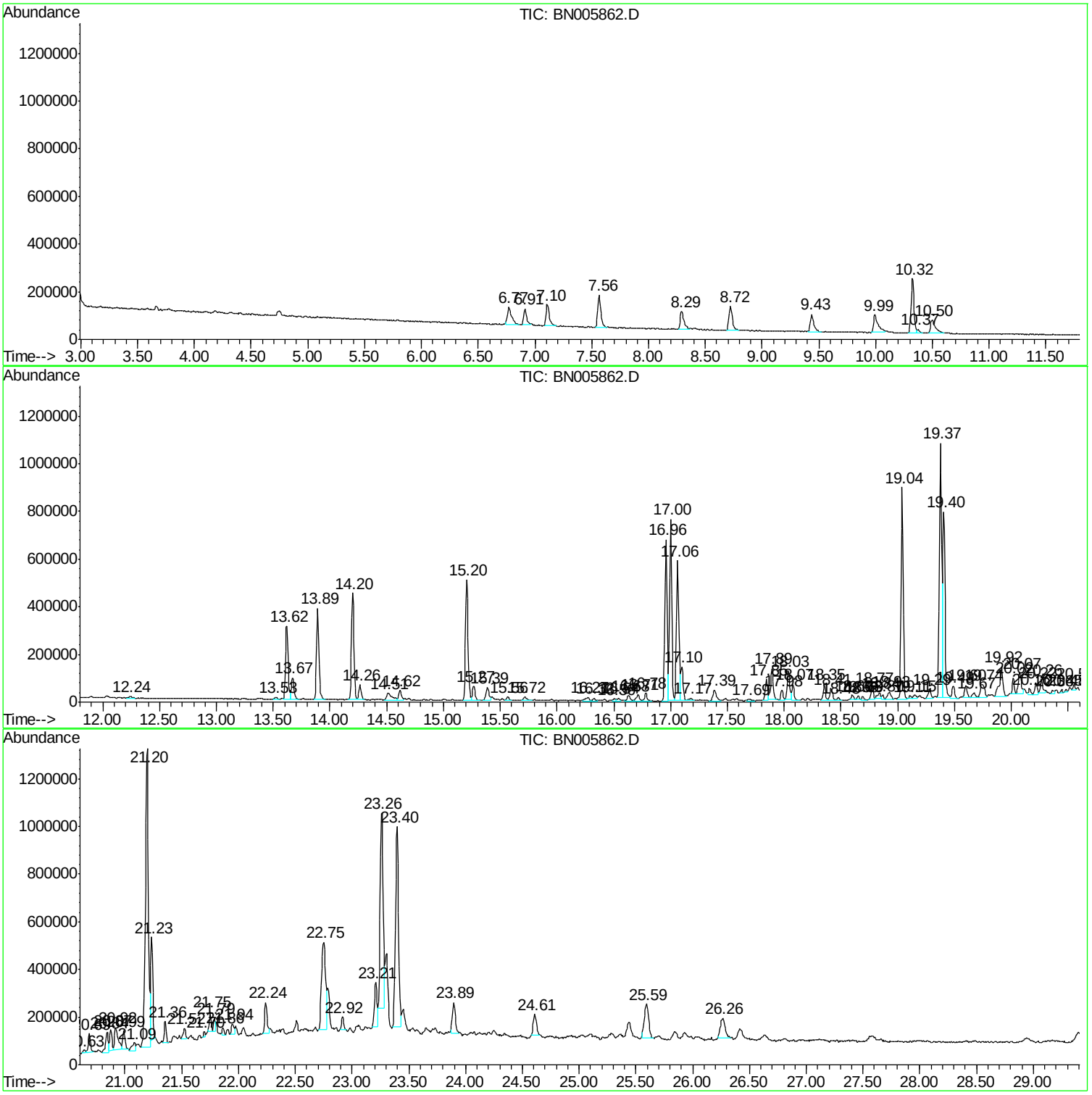
Sum of corrected areas: 24650282

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.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 N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

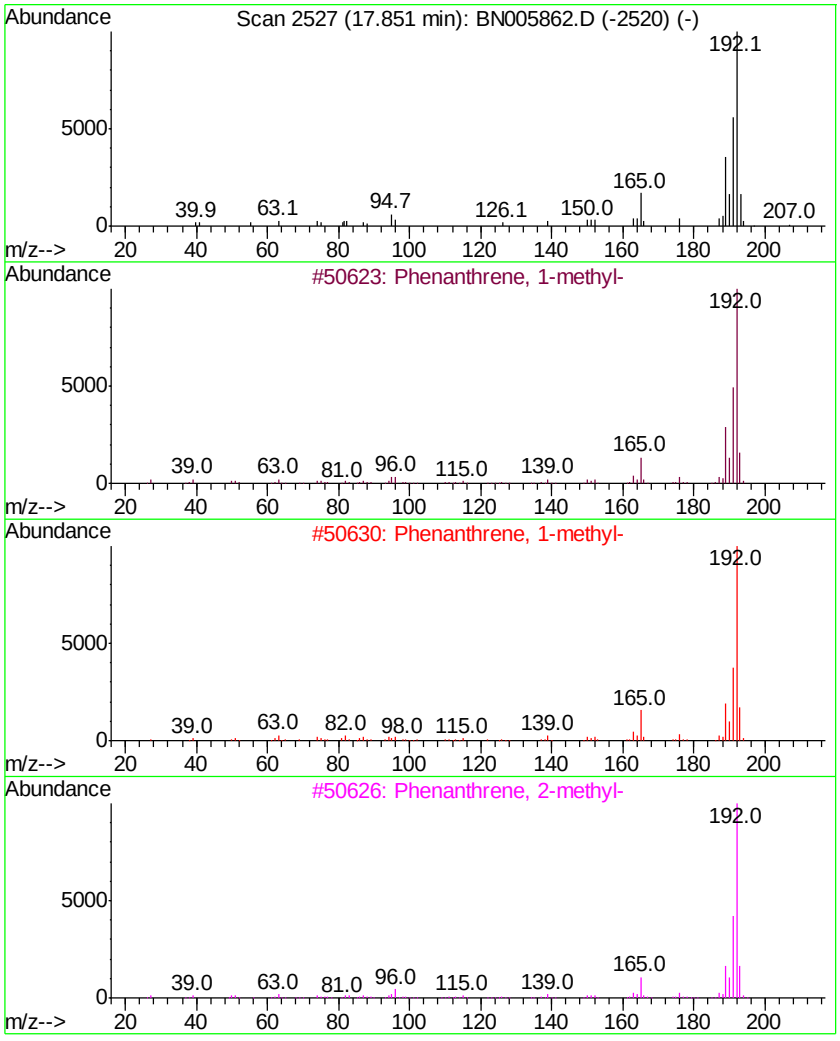
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

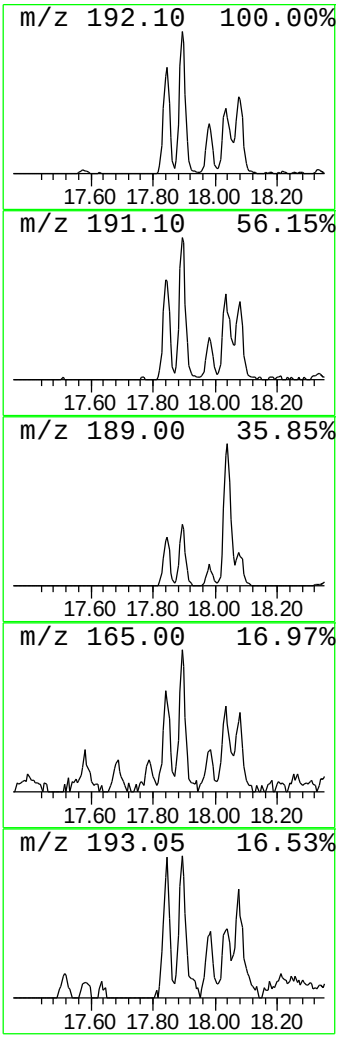
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.58 ng/ul	128488	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

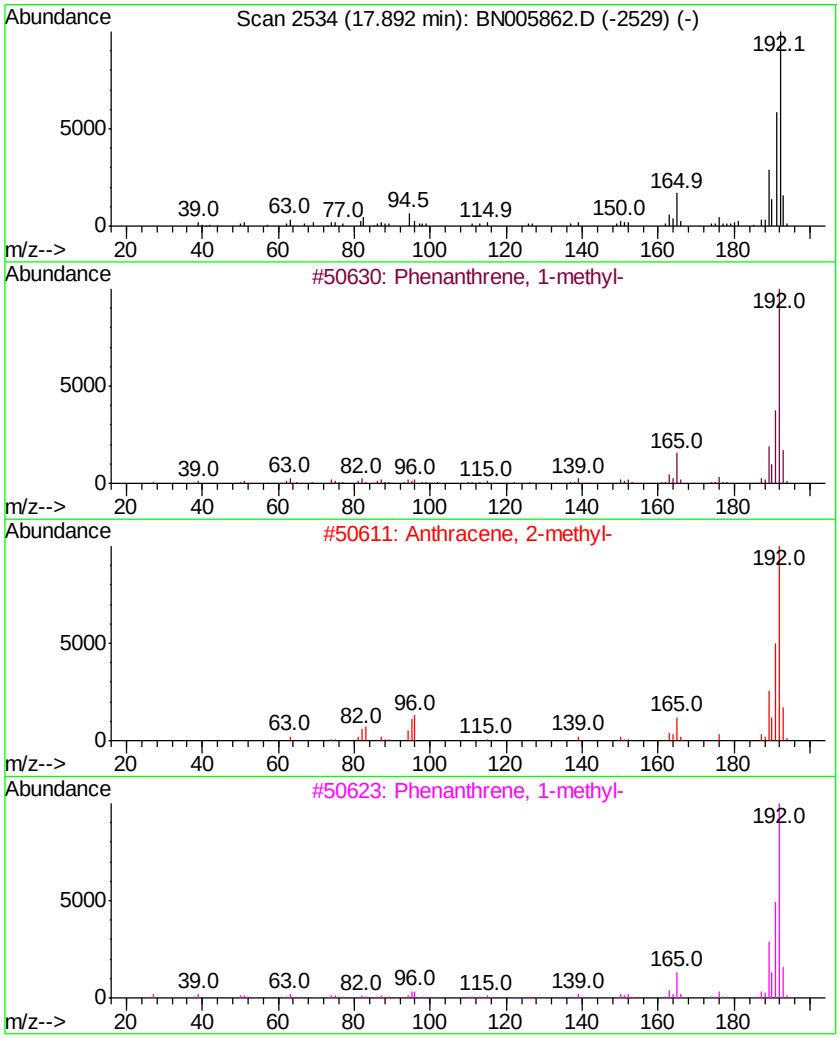
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

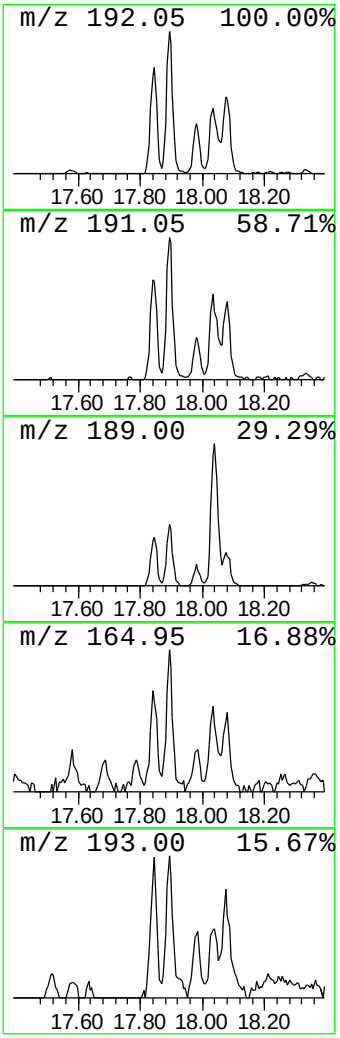
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.19 ng/ul	208572	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

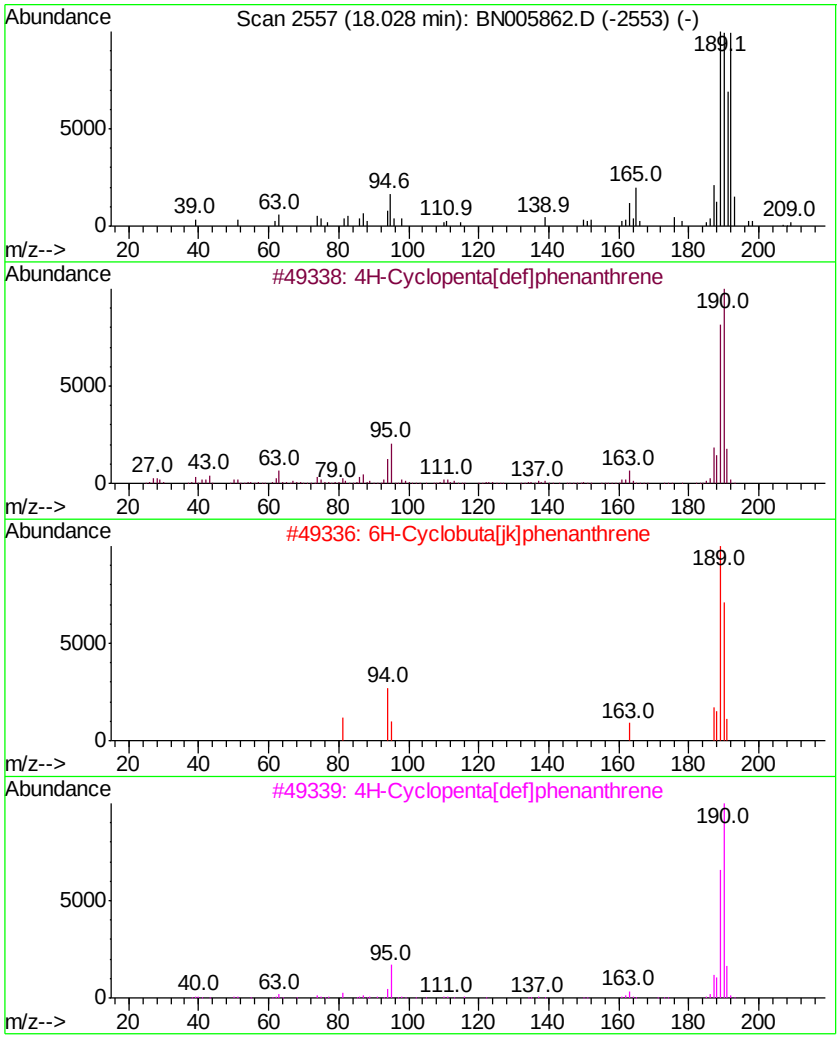
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

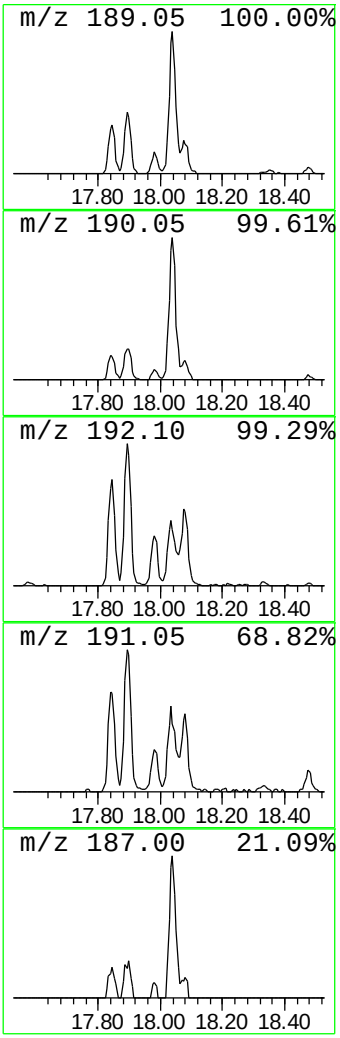
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.06 ng/ul	202101	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

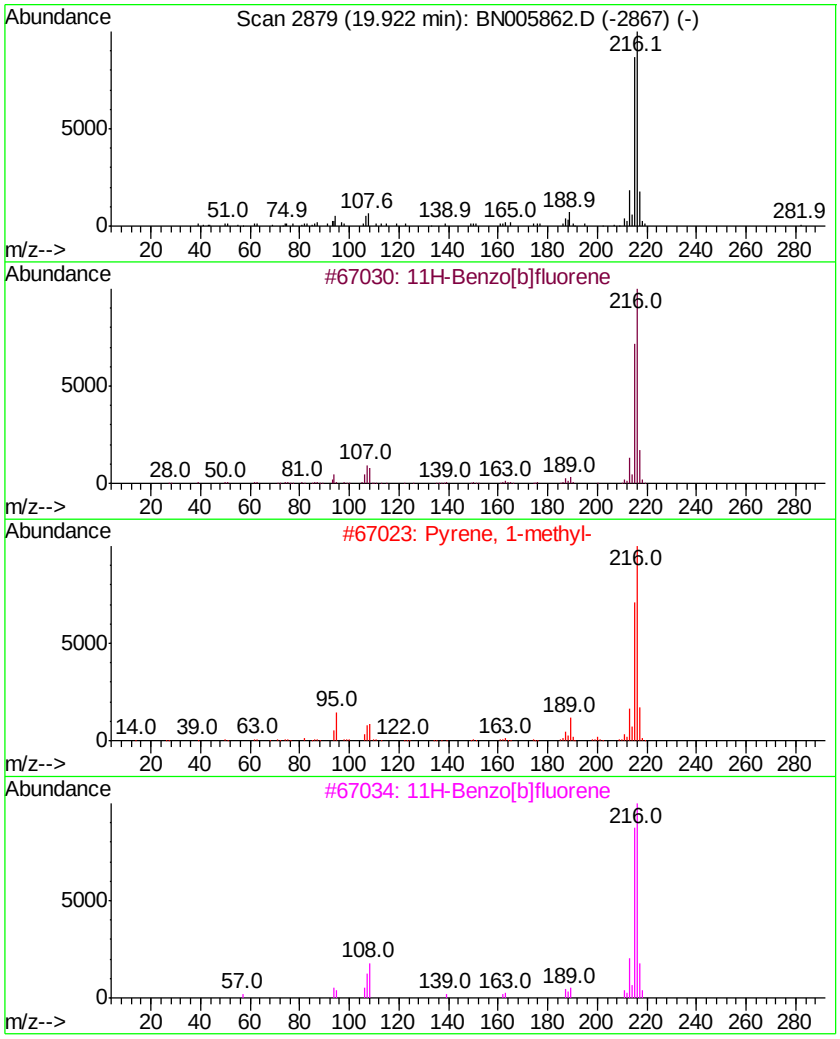
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

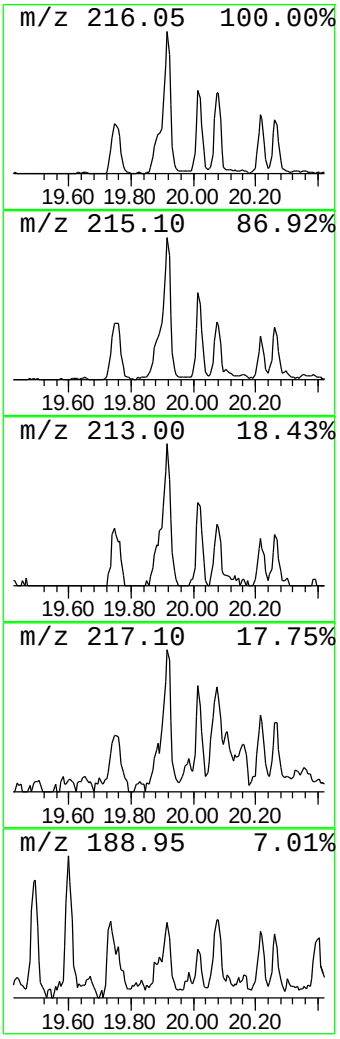
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.28 ng/ul	267947	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

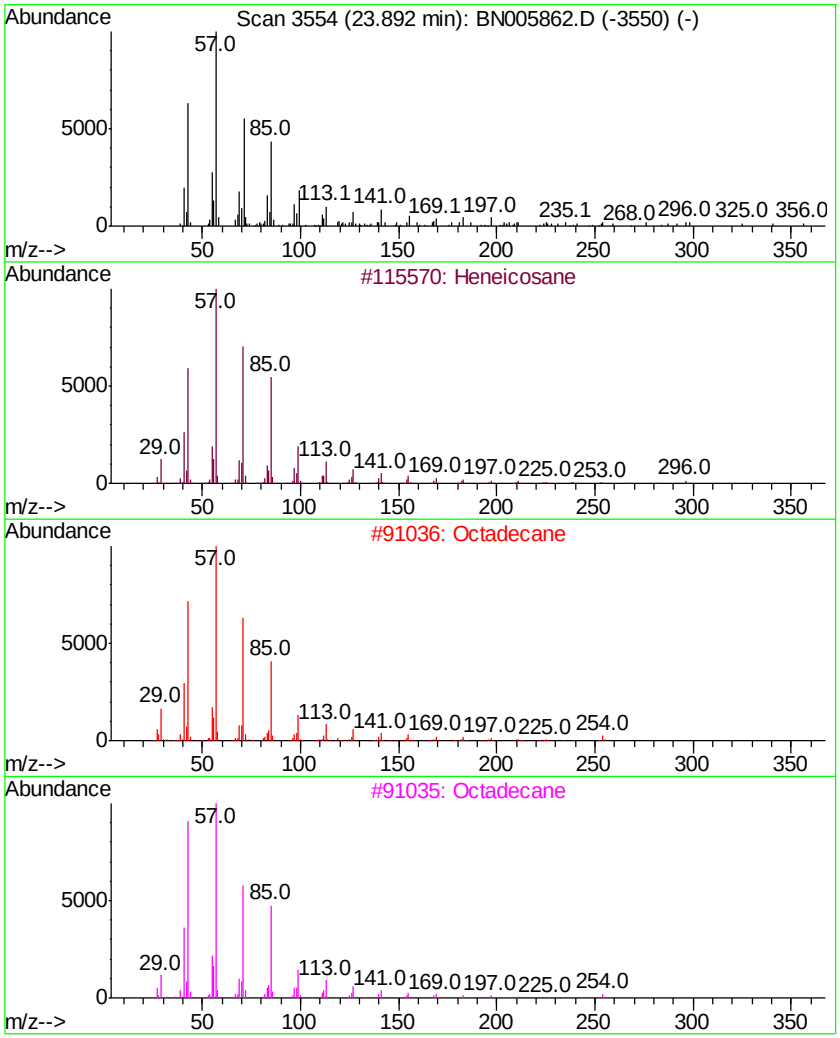
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

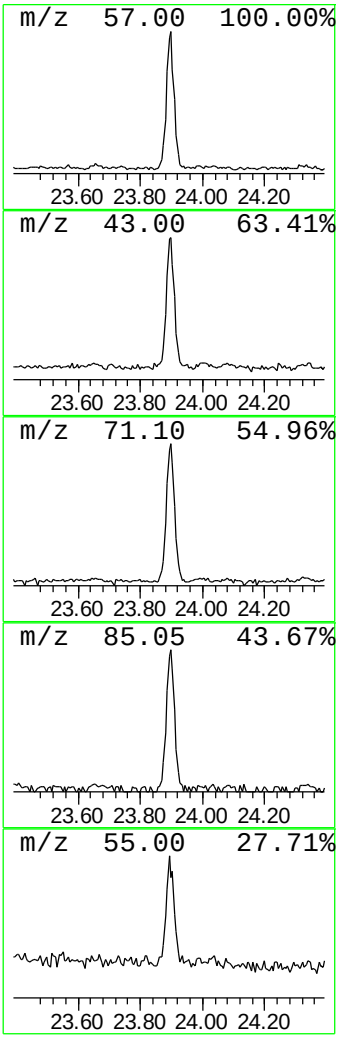
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	2.96 ng/ul	239114	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Octadecane	254	C18H38	000593-45-3	93
3	Octadecane	254	C18H38	000593-45-3	93
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	93
5	Heptacosane	380	C27H56	000593-49-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

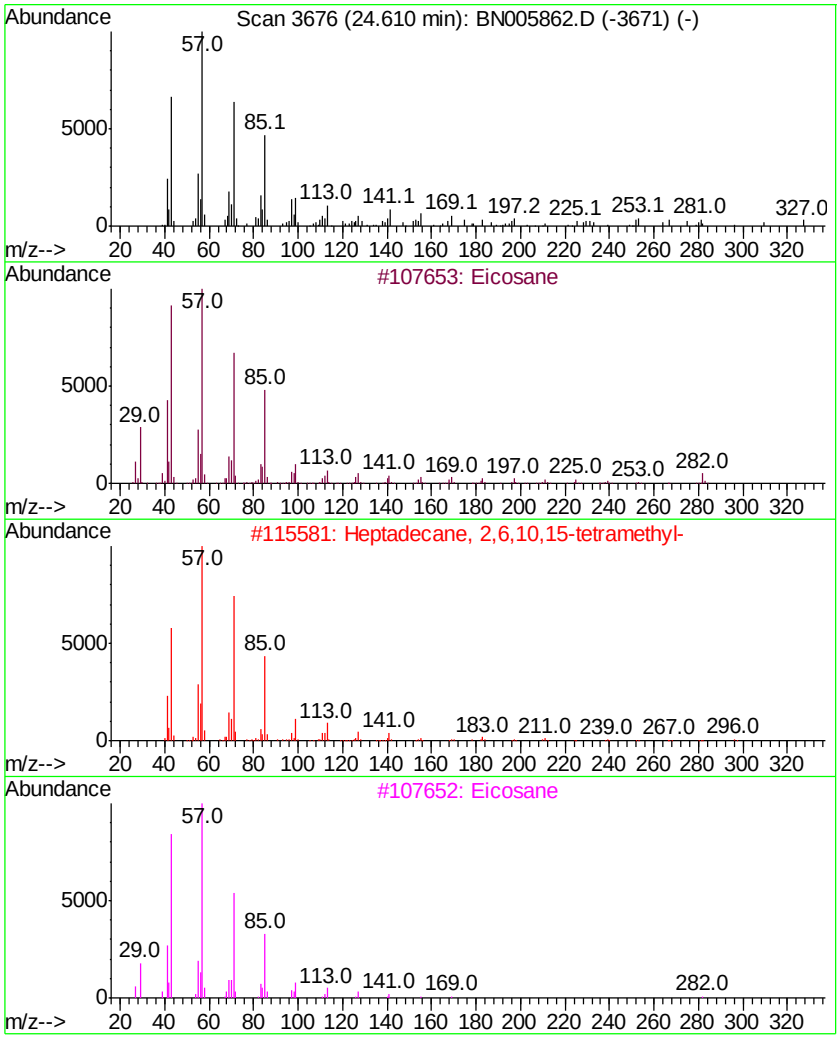
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

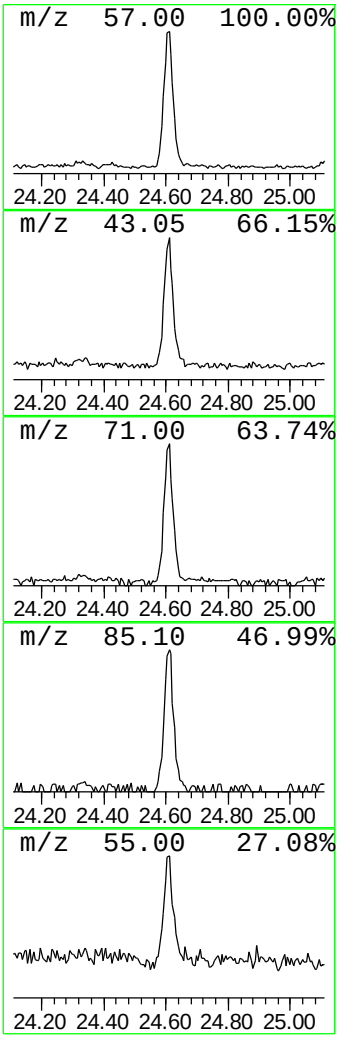
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.61	2.12 ng/ul	171341	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
3	Eicosane	282	C20H42	000112-95-8	93
4	Hexacosane	366	C26H54	000630-01-3	91
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052219\
Data File : BN005862.D
Acq On : 22 May 2019 21:45
Operator : JU/SJ
Sample : K2925-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42A2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.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
Phenanthrene, 1-m...	17.85	2.6	ng/ul	128488	4	16.96	994403	20.0
Anthracene, 2-met...	17.89	4.2	ng/ul	208572	4	16.96	994403	20.0
4H-Cyclopenta[def...	18.03	4.1	ng/ul	202101	4	16.96	994403	20.0
11H-Benzo[b]fluorene	19.92	2.3	ng/ul	267947	5	21.20	2349700	20.0
(DEL) Alkane: Str...	23.89	3.0	ng/ul	239114	6	23.40	1614630	20.0
(DEL) Alkane: Str...	24.61	2.1	ng/ul	171341	6	23.40	1614630	20.0