LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

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_G\METHODS\SOM-EPA-BG100919MA.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	3.161	6	12	21	rBV	216941	479317	17.66%	1.800%
2	3.237	21	25	38	rVB	437774	714747	26.34%	2.684%
3	3.502	66	70	74	rVB3	9465	14017	0.52%	0.053%
4	4.025	153	159	165	rBV5	8866	16742	0.62%	0.063%
5	5.159	346	352	358	rBV	13739	21095	0.78%	0.079%
6	7.227	695	704	721	rBV2	163455	392461	14.46%	1.474%
7	7.379	724	730	744	rVV	138997	254968	9.40%	0.957%
8	7.591	759	766	779	rBV	193477	381614	14.06%	1.433%
9	8.055	836	845	852	rBV	200464	376371	13.87%	1.413%
10	8.766	959	966	982	rBV2	172207	389228	14.34%	1.462%
11	9.218	1034	1043	1052	rBV	180524	367347	13.54%	1.379%
12	9.647	1110	1116	1121	rBV4	5902	9959	0.37%	0.037%
13	9.941	1158	1166	1179	rBV	158682	327079	12.05%	1.228%
14	10.482	1252	1258	1270	rBV	209756	456829	16.83%	1.715%
15	10.858	1314	1322	1337	rBV	288884	539611	19.88%	2.026%
16	10.999	1338	1346	1365	rVV	143164	387273	14.27%	1.454%
17	14.077	1864	1870	1875	rBV	516904	812180	29.93%	3.050%
18	14.124	1875	1878	1889	rVB	188831	281560	10.38%	1.057%
19	14.371	1912	1920	1938	rBV	547627	937740	34.56%	3.521%
20	14.677	1965	1972	1980	rBV	476765	798487	29.42%	2.998%
21	14.741	1980	1983	1989	rVB2	12934	19412	0.72%	0.073%
22	14.888	2002	2008	2019	rBV4	62971	210581	7.76%	0.791%
23	15.088	2035	2042	2048	rBV5	26175	51287	1.89%	0.193%
24	15.670	2133	2141	2148	rBV	719578	1188143	43.78%	4.461%
25	15.717	2148	2149	2154	rVV2	29916	42192	1.55%	0.158%
26	15.781	2154	2160	2176	rVV	228696	425812	15.69%	1.599%
27	15.905	2176	2181	2188	rVV7	11401	32358	1.19%	0.122%
28	16.016	2195	2200	2206	rVB4	7988	16540	0.61%	0.062%
29	16.163	2220	2225	2235	rVB	10251	23498	0.87%	0.088%
30	16.369	2255	2260	2266	rBV5	12124	28761	1.06%	0.108%
31	16.710	2313	2318	2320	rBV6	6414	11186	0.41%	0.042%
32	16.727	2320	2321	2326	rVV4	7992	9610	0.35%	0.036%
33	16.956	2351	2360	2363	rBV6	7144	16074	0.59%	0.060%
34	16.998	2363	2367	2369	rVV4	7072	9812	0.36%	0.037%

LSC Area Percent Report

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Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

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_G\METHODS\SOM-EPA-BG100919MA.M
Title : SVOA CALIBRATION

35	17.074	2376	2380	2386	rVB3	12230	21600	0.80%	0.081%
36	17.150	2389	2393	2395	rBV2	7057	10863	0.40%	0.041%
37	17.233	2404	2407	2408	rVV3	8116	8336	0.31%	0.031%
38	17.250	2408	2410	2417	rVB4	11174	13234	0.49%	0.050%
39	17.332	2420	2424	2429	rVB6	5326	8590	0.32%	0.032%
40	17.421	2432	2439	2443	rBV2	670720	1092434	40.26%	4.102%
41	17.462	2443	2446	2450	rVV	257858	396389	14.61%	1.488%
42	17.520	2450	2456	2467	rVV	841165	1559528	57.47%	5.856%
43	17.615	2469	2472	2483	rVV3	18328	40978	1.51%	0.154%
44	17.826	2501	2508	2516	rVV3	37613	91962	3.39%	0.345%
45	18.008	2534	2539	2540	rBV4	5888	9394	0.35%	0.035%
46	18.308	2583	2590	2593	rBV4	105626	194032	7.15%	0.729%
47	18.349	2593	2597	2606	rVB	90509	165177	6.09%	0.620%
48	18.425	2606	2610	2614	rVB2	31192	48578	1.79%	0.182%
49	18.490	2615	2621	2625	rBV6	56233	117367	4.32%	0.441%
50	18.596	2636	2639	2645	rBV7	10628	15806	0.58%	0.059%
51	18.654	2645	2649	2651	rBV4	12628	19701	0.73%	0.074%
52	18.725	2660	2661	2669	rVB8	7873	11414	0.42%	0.043%
53	18.790	2669	2672	2677	rVV	28028	46933	1.73%	0.176%
54	18.831	2677	2679	2685	rVB5	14368	20211	0.74%	0.076%
55	19.042	2711	2715	2720	rVV7	14714	24793	0.91%	0.093%
56	19.089	2720	2723	2725	rVB4	12196	12557	0.46%	0.047%
57	19.130	2725	2730	2734	rVB5	12550	23135	0.85%	0.087%
58	19.213	2736	2744	2748	rBV4	37018	86377	3.18%	0.324%
59	19.271	2751	2754	2757	rBV5	11872	15464	0.57%	0.058%
60	19.348	2762	2767	2773	rVB6	26495	48546	1.79%	0.182%
61	19.471	2780	2788	2794	rBV	378186	584819	21.55%	2.196%
62	19.571	2801	2805	2809	rBV6	18080	30489	1.12%	0.114%
63	19.806	2838	2845	2858	rBV2	1368257	2713740	100.00%	10.190%
64	19.900	2858	2861	2870	rVB4	55162	108049	3.98%	0.406%
65	20.012	2876	2880	2884	rVB2	29145	40784	1.50%	0.153%
66	20.070	2887	2890	2897	rVB2	28466	50615	1.87%	0.190%
67	20.159	2898	2905	2910	rBV5	46320	119345	4.40%	0.448%
68	20.247	2917	2920	2922	rVB3	13761	13216	0.49%	0.050%
69	20.294	2922	2928	2929	rBV5	41104	72195	2.66%	0.271%
70	20.323	2929	2933	2938	rVB2	100649	161221	5.94%	0.605%
71	20.423	2946	2950	2953	rBV	57821	81130	2.99%	0.305%

LSC Area Percent Report

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Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Title : SVOA CALIBRATION

72	20.476	2954	2959	2964	rVB4	53071	105369	3.88%	0.396%
73	20.564	2971	2974	2979	rBV7	16814	20456	0.75%	0.077%
74	20.623	2980	2984	2987	rBV2	33739	50090	1.85%	0.188%
75	20.664	2988	2991	2995	rVV3	32895	43401	1.60%	0.163%
76	20.828	3015	3019	3022	rVB2	40511	49787	1.83%	0.187%
77	21.087	3058	3063	3068	rVB	46841	80297	2.96%	0.302%
78	21.334	3099	3105	3115	rBV4	145442	378270	13.94%	1.420%
79	21.416	3115	3119	3126	rVB4	71550	141969	5.23%	0.533%
80	21.692	3157	3166	3171	rBV2	937601	2019780	74.43%	7.584%
81	21.739	3171	3174	3183	rVB	203934	335153	12.35%	1.258%
82	21.880	3194	3198	3204	rBV3	78567	116865	4.31%	0.439%
83	22.097	3230	3235	3241	rBV6	31531	73595	2.71%	0.276%
84	22.427	3285	3291	3295	rVB2	46373	97375	3.59%	0.366%
85	22.491	3297	3302	3308	rBV2	101390	169938	6.26%	0.638%
86	23.020	3389	3392	3393	rBV3	21367	23131	0.85%	0.087%
87	23.179	3415	3419	3429	rVB2	95558	188663	6.95%	0.708%
88	23.890	3532	3540	3546	rBV2	107702	357150	13.16%	1.341%
89	24.336	3613	3616	3618	rBV4	11235	15212	0.56%	0.057%
90	24.612	3657	3663	3665	rBV3	45195	84595	3.12%	0.318%
91	24.694	3667	3677	3684	rVV	689304	1906247	70.24%	7.158%
92	24.912	3704	3714	3728	rBV3	583340	1814595	66.87%	6.814%
93	26.063	3904	3910	3919	rVB5	65105	184745	6.81%	0.694%
94	27.415	4131	4140	4154	rVB4	40203	144794	5.34%	0.544%
95	28.537	4329	4331	4332	rBV2	10577	8060	0.30%	0.030%
96	28.561	4332	4335	4336	rBV3	16039	17881	0.66%	0.067%
97	29.042	4411	4417	4418	rBV6	25177	47044	1.73%	0.177%
98	30.952	4738	4742	4743	rBV4	12872	15583	0.57%	0.059%
99	31.369	4811	4813	4816	rBV4	7154	9220	0.34%	0.035%
100	31.939	4908	4910	4914	rBV5	7429	9556	0.35%	0.036%

Sum of corrected areas: 26631714

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
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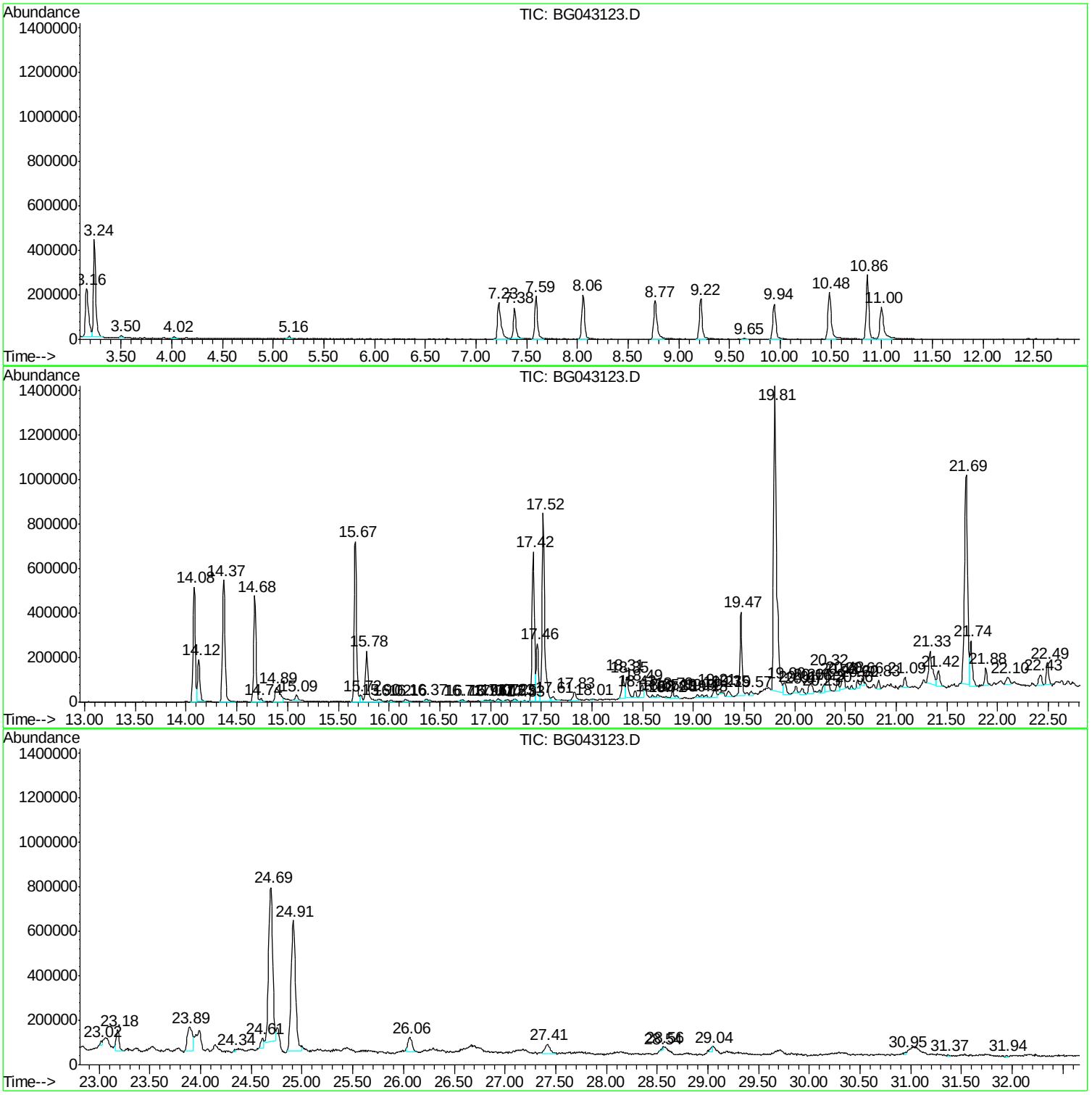
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
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Quant Title : SVOA CALIBRATION

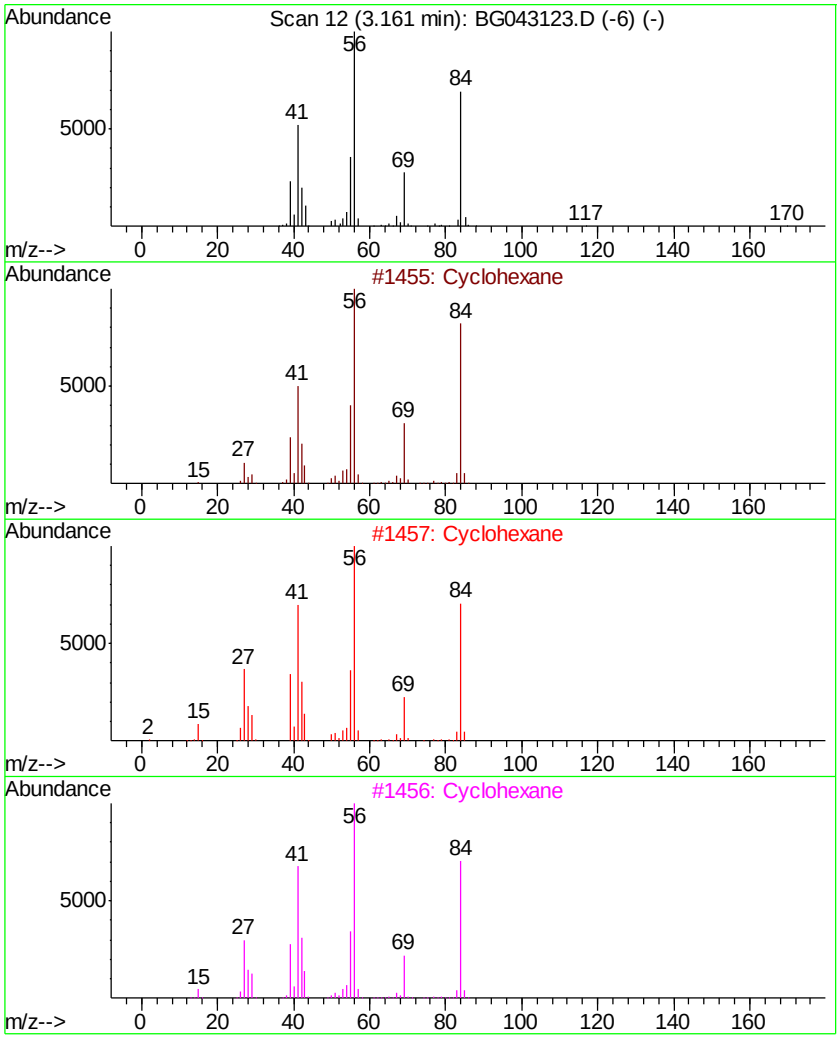
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

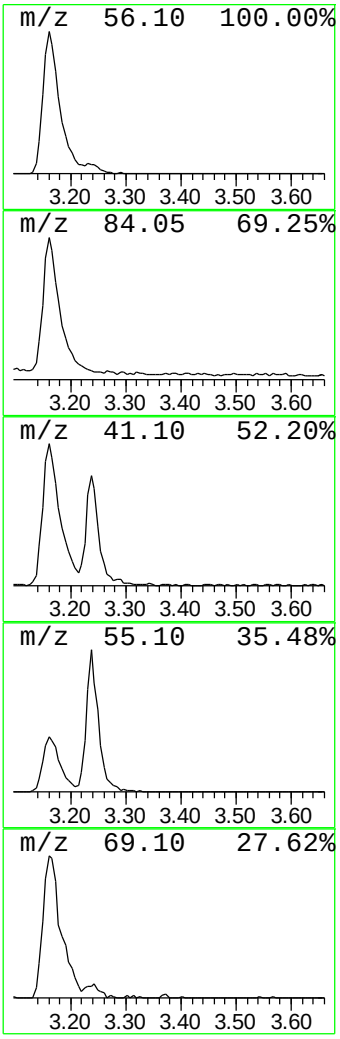
****

Peak Number 1 (DEL) Alkane: Cyclic3.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	25.47 ng/ul	479317	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	94
2	Cyclohexane	84	C6H12	000110-82-7	91
3	Cyclohexane	84	C6H12	000110-82-7	91
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

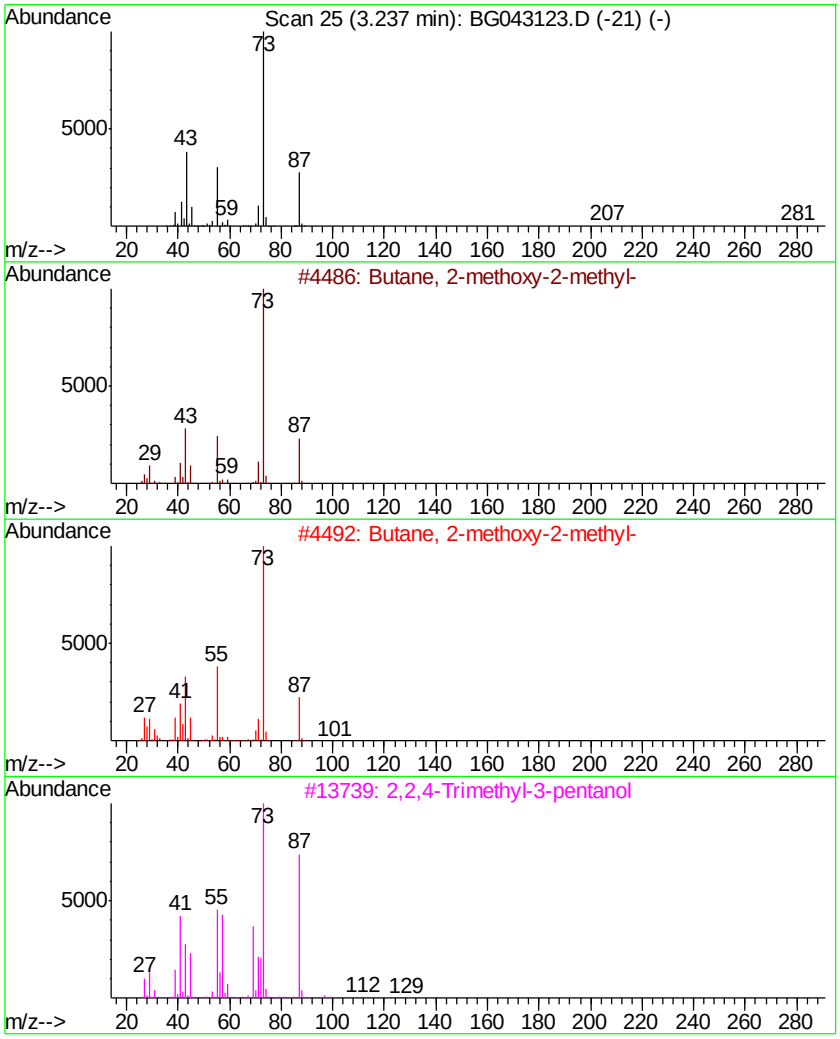
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

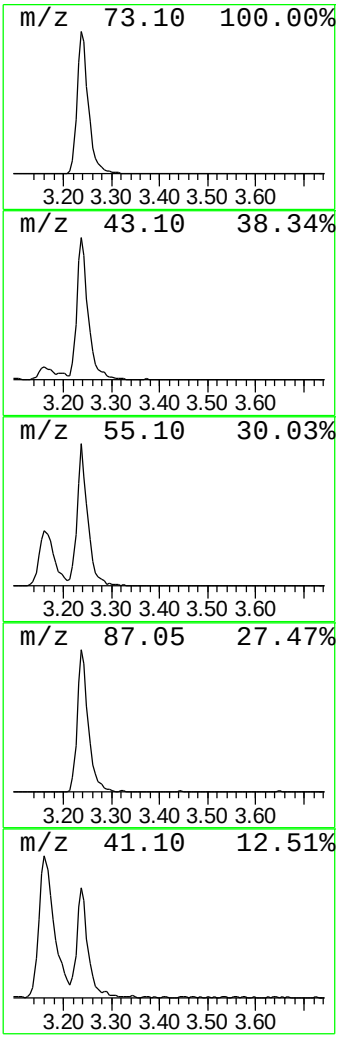
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	37.98 ng/ul	714747	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Data File : BG043123.D
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Misc :
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Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

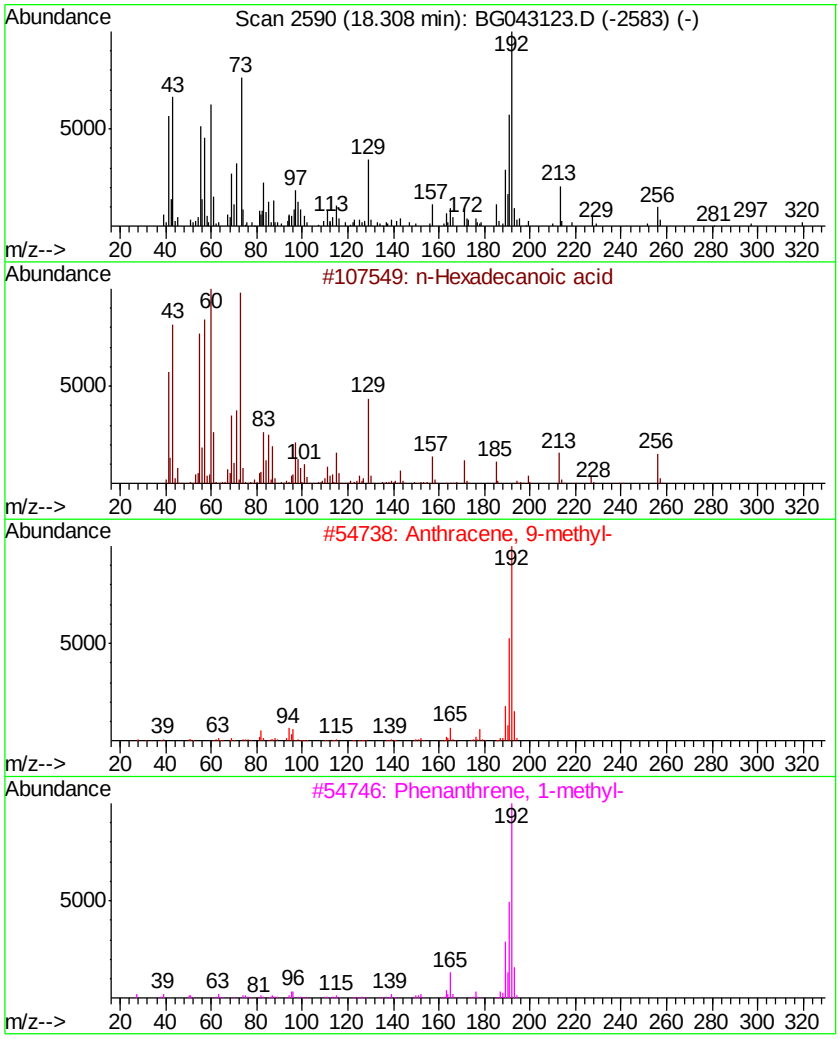
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

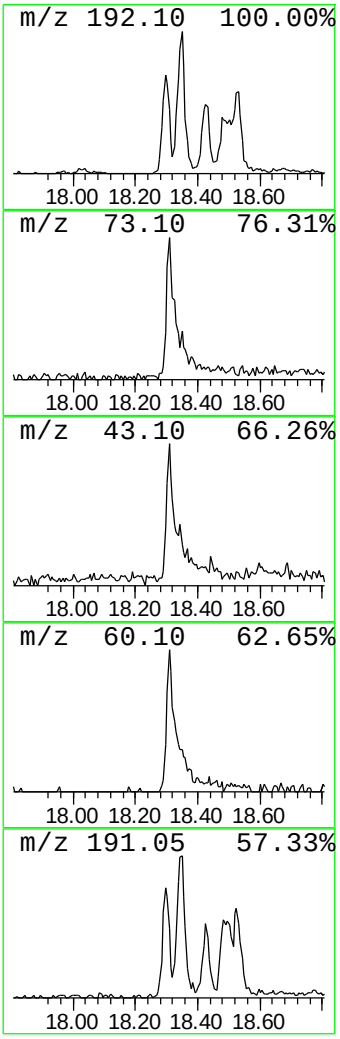
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.55 ng/ul	194032	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	41
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	41
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	41





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Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

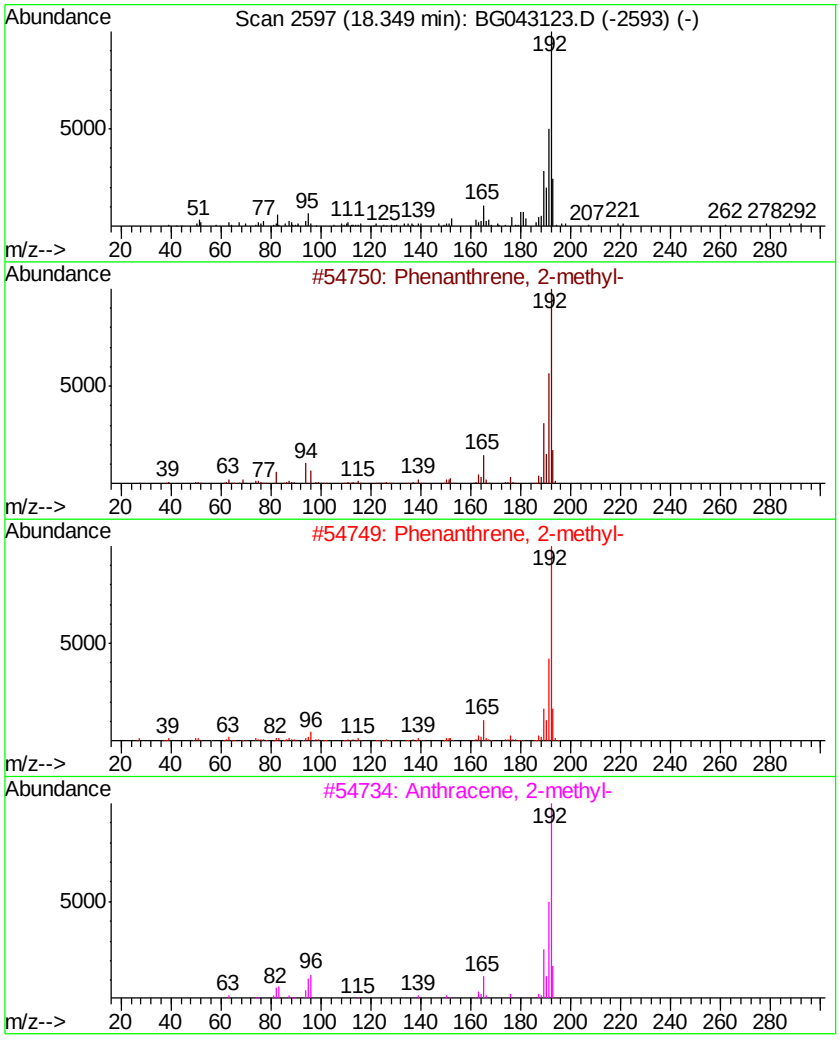
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

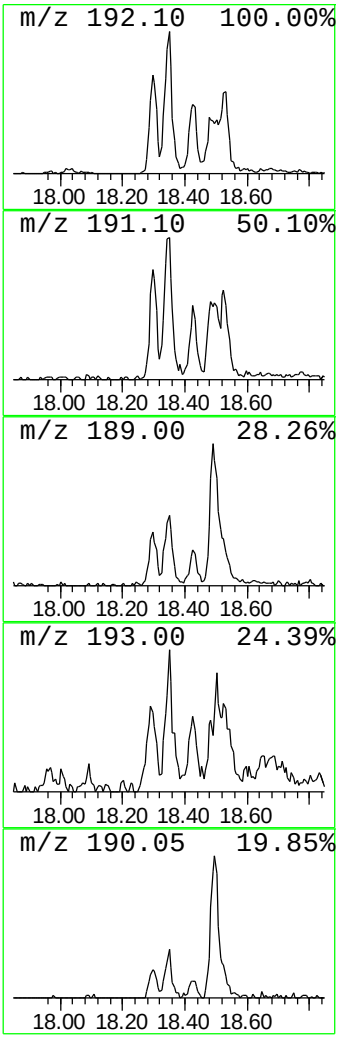
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.02 ng/ul	165177	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	72





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Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

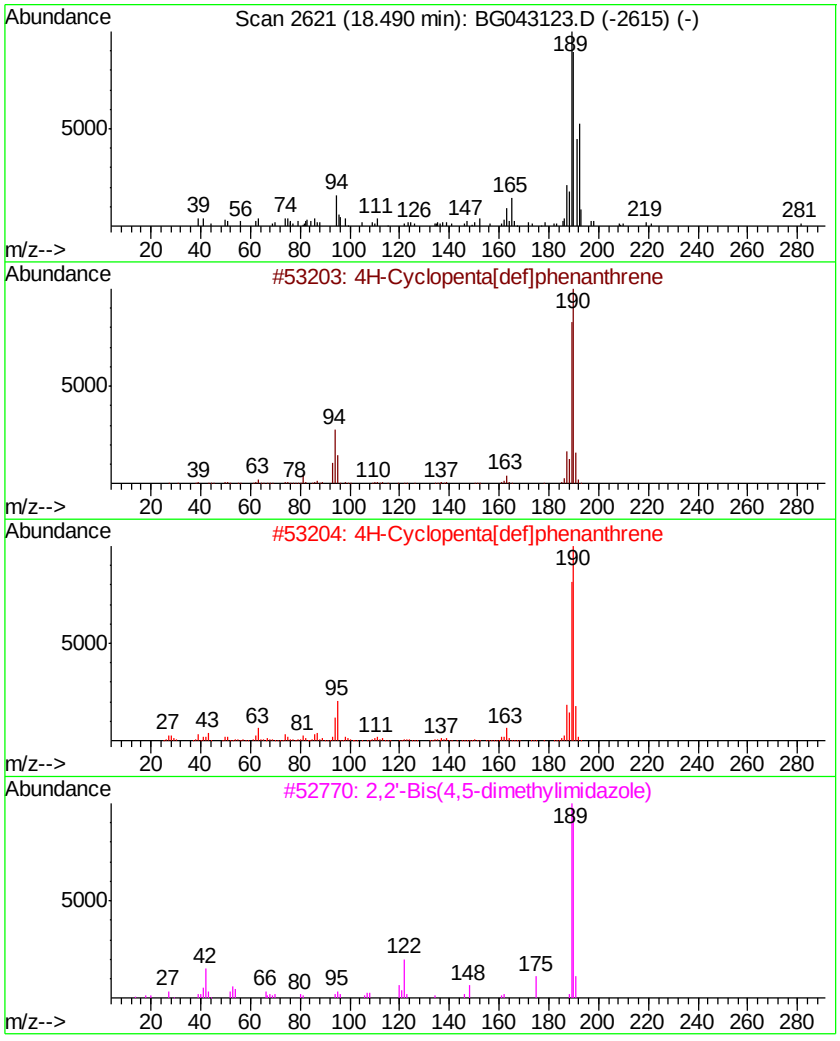
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

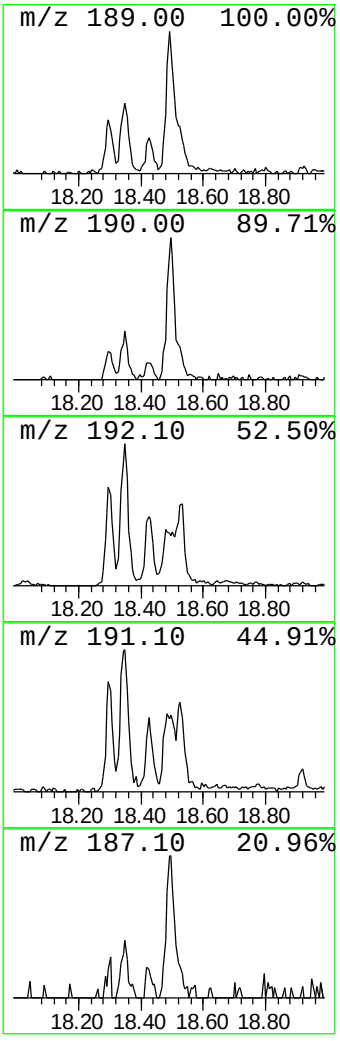
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.15 ng/ul	117367	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	46
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

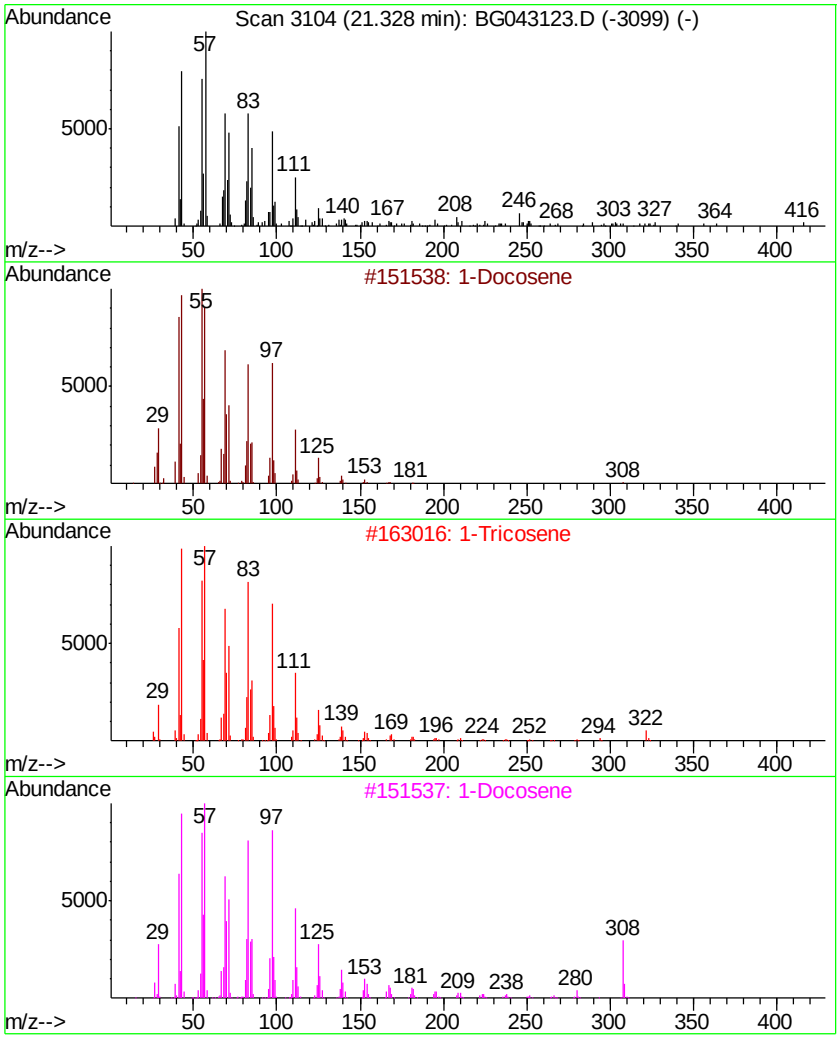
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

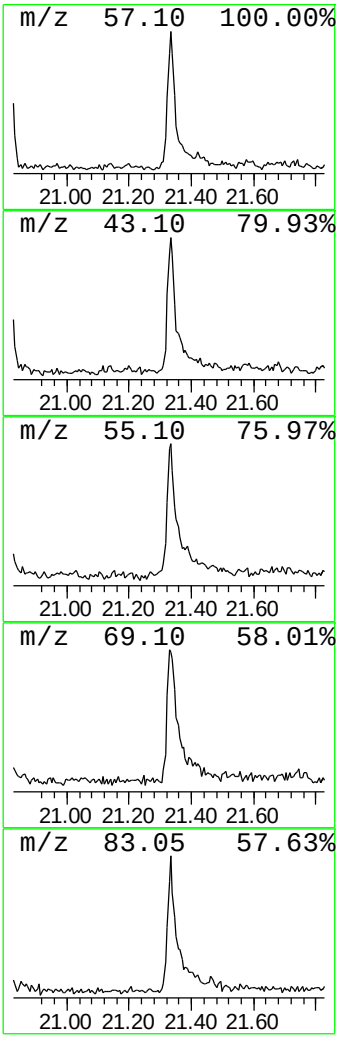
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	3.75 ng/ul	378270	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	1-Tricosene	322	C23H46	018835-32-0	91
3	1-Docosene	308	C22H44	001599-67-3	91
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
5	Tetratriacontyl pentafluoropropi...	641	C37H69F5O2	1000351-81-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.M
Quant Title : SVOA CALIBRATION

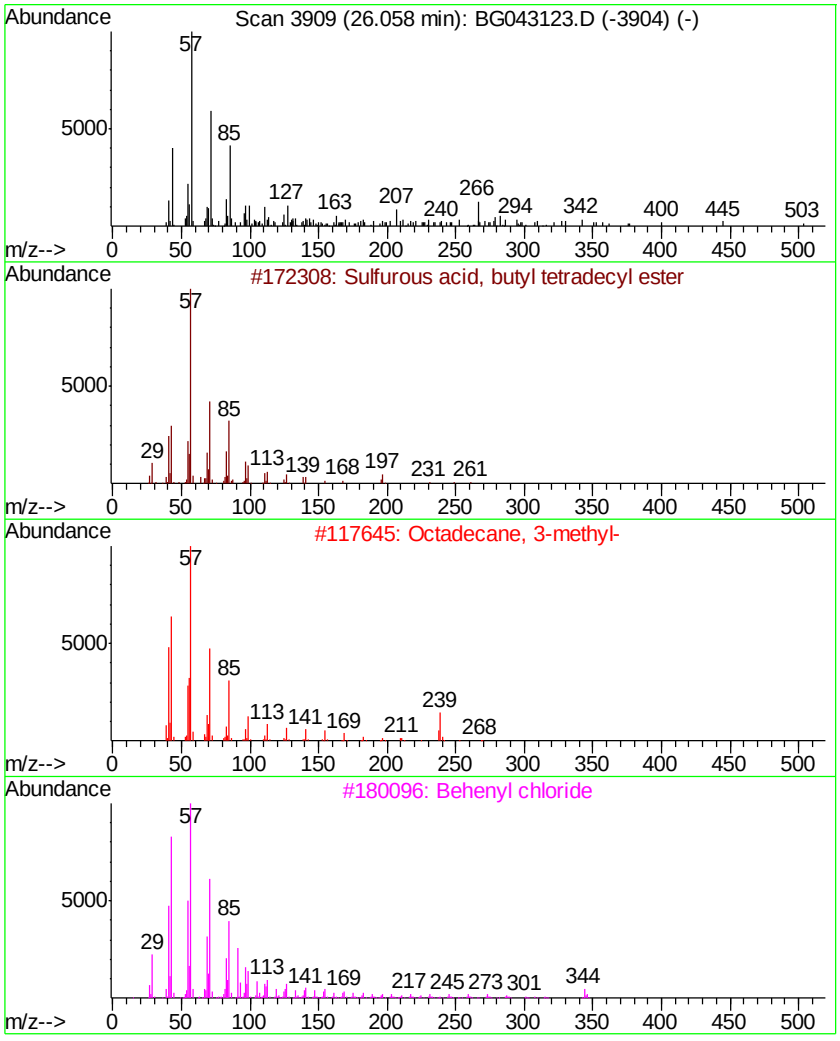
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

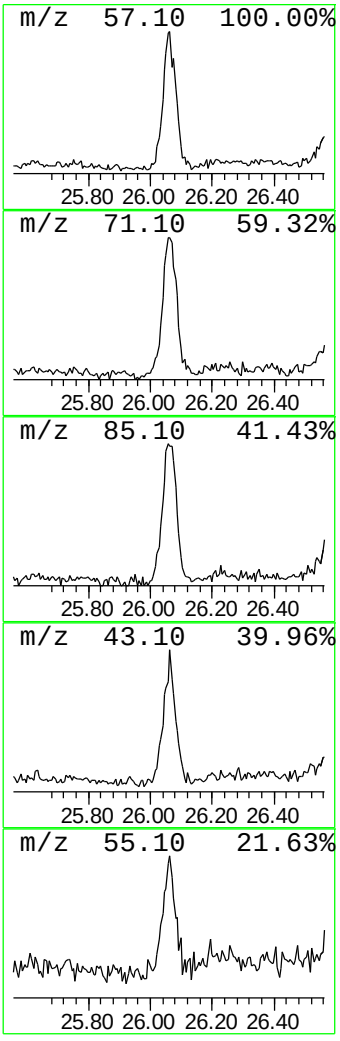
****

Peak Number 7 Sulfurous acid, butyl tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	2.04 ng/ul	184745	Perylene-d12	24.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	62
2	Octadecane, 3-methyl-	268	C19H40	006561-44-0	62
3	Behenyl chloride	344	C22H45Cl	042217-03-8	58
4	Docosane, 1,22-dibromo-	466	C22H44Br2	034540-49-3	58
5	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100919\
Data File : BG043123.D
Acq On : 10 Oct 2019 4:36
Operator : JU
Sample : K5175-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BEPG5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG100919MA.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
(DEL) Alkane: Cyc...	3.16	25.5	ng/ul	479317	1	8.06	376371	20.0
Butane, 2-methoxy...	3.24	38.0	ng/ul	714747	1	8.06	376371	20.0
n-Hexadecanoic acid	18.31	3.5	ng/ul	194032	4	17.42	1092430	20.0
Phenanthrene, 2-m...	18.35	3.0	ng/ul	165177	4	17.42	1092430	20.0
4H-Cyclopenta[def...	18.49	2.1	ng/ul	117367	4	17.42	1092430	20.0
(DEL) Alkane: Str...	21.33	3.8	ng/ul	378270	5	21.69	2019780	20.0
Sulfurous acid, b...	26.06	2.0	ng/ul	184745	6	24.91	1814600	20.0