LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

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-BG080319MA.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	3.147	5	10	26	rVB	1437541	2304690	78.96%	8.131%
2	3.411	50	55	64	rVB	15605	27834	0.95%	0.098%
3	3.940	141	145	152	rVV2	8576	14902	0.51%	0.053%
4	4.010	155	157	161	rBV4	2013	3173	0.11%	0.011%
5	4.081	163	169	175	rVB	10547	18757	0.64%	0.066%
6	4.175	180	185	191	rVB3	5463	7850	0.27%	0.028%
7	5.103	338	343	348	rBV2	5808	10163	0.35%	0.036%
8	6.096	508	512	518	rBV6	1799	3524	0.12%	0.012%
9	7.177	688	696	707	rBV	229454	445687	15.27%	1.572%
10	7.342	718	724	739	rVB	201918	353670	12.12%	1.248%
11	7.553	753	760	772	rBV	266857	465111	15.94%	1.641%
12	8.023	833	840	848	rBV	203103	361396	12.38%	1.275%
13	8.094	850	852	858	rVB4	2891	3620	0.12%	0.013%
14	8.734	952	961	975	rBV	192092	364931	12.50%	1.287%
15	8.858	979	982	985	rVB3	2653	3341	0.11%	0.012%
16	9.192	1030	1039	1049	rBV	254403	472352	16.18%	1.666%
17	9.639	1110	1115	1120	rBV	6824	9755	0.33%	0.034%
18	9.921	1155	1163	1174	rBV	224068	422628	14.48%	1.491%
19	10.467	1248	1256	1270	rBV	337346	646506	22.15%	2.281%
20	10.849	1313	1321	1329	rBV	298025	542541	18.59%	1.914%
21	10.979	1336	1343	1362	rBV	199755	417944	14.32%	1.474%
22	12.371	1574	1580	1588	rBV2	44578	80285	2.75%	0.283%
23	12.447	1588	1593	1599	rVV2	5643	10776	0.37%	0.038%
24	12.735	1638	1642	1647	rVB2	1997	2938	0.10%	0.010%
25	13.511	1771	1774	1778	rBV3	2582	3561	0.12%	0.013%
26	14.004	1854	1858	1863	rVB2	3116	5451	0.19%	0.019%
27	14.087	1865	1872	1876	rBV	746357	1135937	38.92%	4.008%
28	14.134	1876	1880	1887	rVB	289532	428105	14.67%	1.510%
29	14.380	1908	1922	1931	rBV	884829	1407281	48.22%	4.965%
30	14.592	1952	1958	1963	rBV3	3308	5066	0.17%	0.018%
31	14.686	1966	1974	1982	rVV2	561854	856485	29.34%	3.022%
32	14.745	1982	1984	1990	rVB3	5023	7648	0.26%	0.027%
33	14.868	1999	2005	2020	rBV	169317	327068	11.21%	1.154%
34	15.097	2039	2044	2049	rVB4	16468	25445	0.87%	0.090%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

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-BG080319MA.M
Title : SVOA CALIBRATION

35	15.303	2076	2079	2083	rVV2	2237	4287	0.15%	0.015%
36	15.497	2106	2112	2116	rVV4	3693	8001	0.27%	0.028%
37	15.544	2116	2120	2126	rVB2	3878	7212	0.25%	0.025%
38	15.679	2134	2143	2149	rBV	1211968	1875307	64.25%	6.616%
39	15.738	2149	2153	2157	rVV4	10100	17261	0.59%	0.061%
40	15.791	2157	2162	2177	rVV	246388	407528	13.96%	1.438%
41	15.920	2179	2184	2187	rBV2	12973	18924	0.65%	0.067%
42	16.031	2197	2203	2212	rVB4	4236	8011	0.27%	0.028%
43	16.261	2235	2242	2246	rBV4	2940	5969	0.20%	0.021%
44	16.408	2262	2267	2273	rBV5	6804	14261	0.49%	0.050%
45	16.466	2273	2277	2281	rVB3	5689	8531	0.29%	0.030%
46	16.748	2321	2325	2329	rVV7	6149	9905	0.34%	0.035%
47	16.789	2329	2332	2338	rVV7	4657	7525	0.26%	0.027%
48	16.895	2348	2350	2355	rVB4	3550	4632	0.16%	0.016%
49	16.972	2355	2363	2367	rBV8	4964	11127	0.38%	0.039%
50	17.013	2367	2370	2373	rBV3	3365	4232	0.14%	0.015%
51	17.089	2379	2383	2391	rVB5	6111	13626	0.47%	0.048%
52	17.171	2391	2397	2399	rBV7	4307	8189	0.28%	0.029%
53	17.195	2399	2401	2404	rVV3	4210	4855	0.17%	0.017%
54	17.254	2407	2411	2415	rVB	6427	7910	0.27%	0.028%
55	17.348	2424	2427	2432	rVB5	4573	6319	0.22%	0.022%
56	17.436	2435	2442	2447	rBV2	735369	1151959	39.47%	4.064%
57	17.477	2447	2449	2454	rVV	126004	182490	6.25%	0.644%
58	17.536	2454	2459	2471	rVV	1330991	2108428	72.24%	7.438%
59	17.624	2471	2474	2481	rVB8	12507	24176	0.83%	0.085%
60	17.712	2487	2489	2492	rBV4	4536	3487	0.12%	0.012%
61	17.841	2500	2511	2516	rBV4	12477	29420	1.01%	0.104%
62	17.953	2529	2530	2538	rVB8	5425	7343	0.25%	0.026%
63	18.023	2538	2542	2545	rBV3	10851	14886	0.51%	0.053%
64	18.164	2562	2566	2571	rBV7	6355	12885	0.44%	0.045%
65	18.329	2588	2594	2597	rBV2	89326	152260	5.22%	0.537%
66	18.364	2597	2600	2608	rVV2	60529	109683	3.76%	0.387%
67	18.452	2611	2615	2618	rVV2	15693	28419	0.97%	0.100%
68	18.511	2620	2625	2629	rVV4	53972	107416	3.68%	0.379%
69	18.546	2629	2631	2637	rVB	29750	38393	1.32%	0.135%
70	18.628	2642	2645	2648	rBV5	6890	8548	0.29%	0.030%
71	18.811	2672	2676	2680	rBV	24890	35088	1.20%	0.124%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

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-BG080319MA.M
Title : SVOA CALIBRATION

72	18.852	2680	2683	2690	rVB5	23021	34565	1.18%	0.122%
73	18.987	2704	2706	2709	rBV4	5018	6149	0.21%	0.022%
74	19.057	2715	2718	2722	rBV4	14917	16012	0.55%	0.056%
75	19.110	2724	2727	2729	rVV3	8824	9647	0.33%	0.034%
76	19.228	2742	2747	2755	rBV2	39199	92178	3.16%	0.325%
77	19.363	2767	2770	2780	rVB3	20435	40176	1.38%	0.142%
78	19.492	2783	2792	2798	rVV	301560	449876	15.41%	1.587%
79	19.598	2806	2810	2814	rBV6	19056	32656	1.12%	0.115%
80	19.827	2843	2849	2862	rBV2	1667632	2918688	100.00%	10.297%
81	20.180	2904	2909	2916	rBV4	29746	65906	2.26%	0.233%
82	20.344	2927	2937	2943	rBV3	76044	180322	6.18%	0.636%
83	20.444	2951	2954	2958	rVB	42024	54238	1.86%	0.191%
84	20.503	2961	2964	2968	rVB2	39369	55031	1.89%	0.194%
85	20.644	2985	2988	2992	rBV	27476	36732	1.26%	0.130%
86	20.685	2992	2995	2999	rBV	30634	43768	1.50%	0.154%
87	21.366	3107	3111	3119	rVB3	129751	226263	7.75%	0.798%
88	21.613	3150	3153	3157	rVB	45168	58177	1.99%	0.205%
89	21.719	3163	3171	3176	rBV3	816000	1586266	54.35%	5.596%
90	21.766	3176	3179	3188	rVB	154440	245630	8.42%	0.867%
91	21.925	3202	3206	3212	rBV3	62454	96731	3.31%	0.341%
92	22.547	3307	3312	3319	rBV3	73253	135587	4.65%	0.478%
93	23.258	3429	3433	3441	rVB2	66195	121393	4.16%	0.428%
94	23.952	3544	3551	3559	rBV	99735	321033	11.00%	1.133%
95	24.081	3569	3573	3580	rVB	83130	162941	5.58%	0.575%
96	24.768	3680	3690	3698	rBV	842864	2345622	80.37%	8.275%
97	24.986	3718	3727	3736	rBV	475795	1344588	46.07%	4.744%

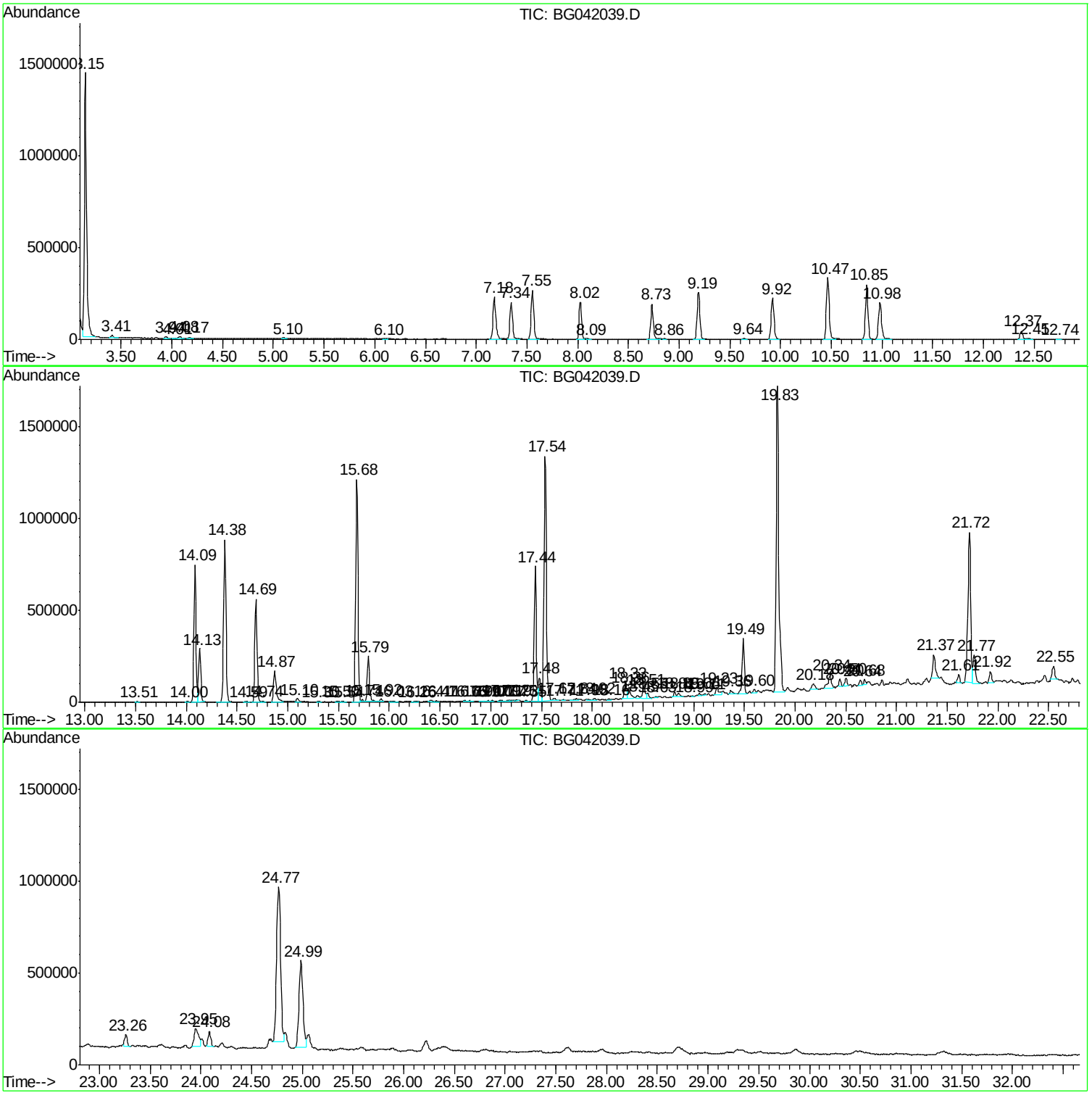
Sum of corrected areas: 28345089

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

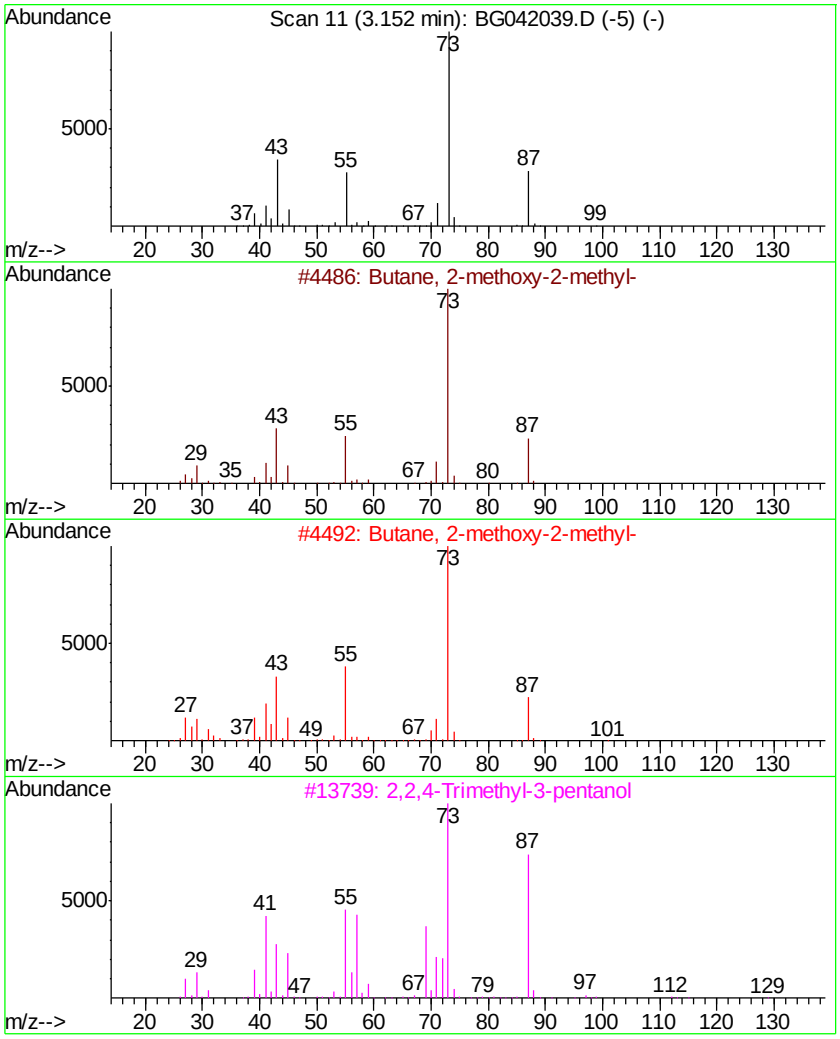
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

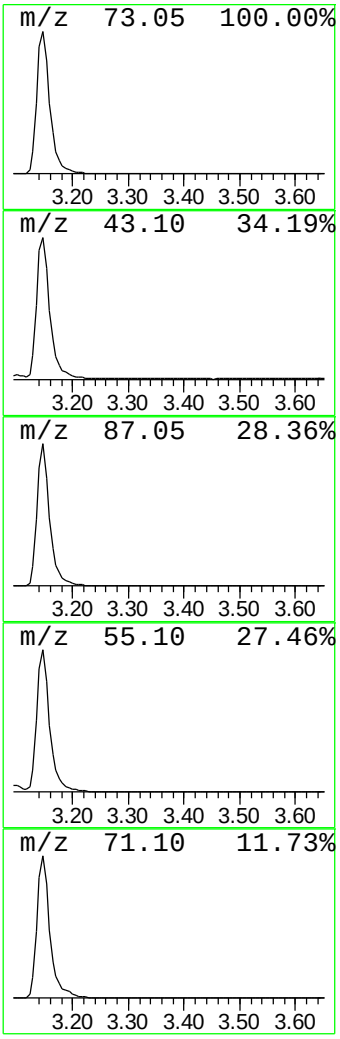
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	127.54 ng/ul	2304690	1,4-Dichlorobenzene-d4	8.02

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	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

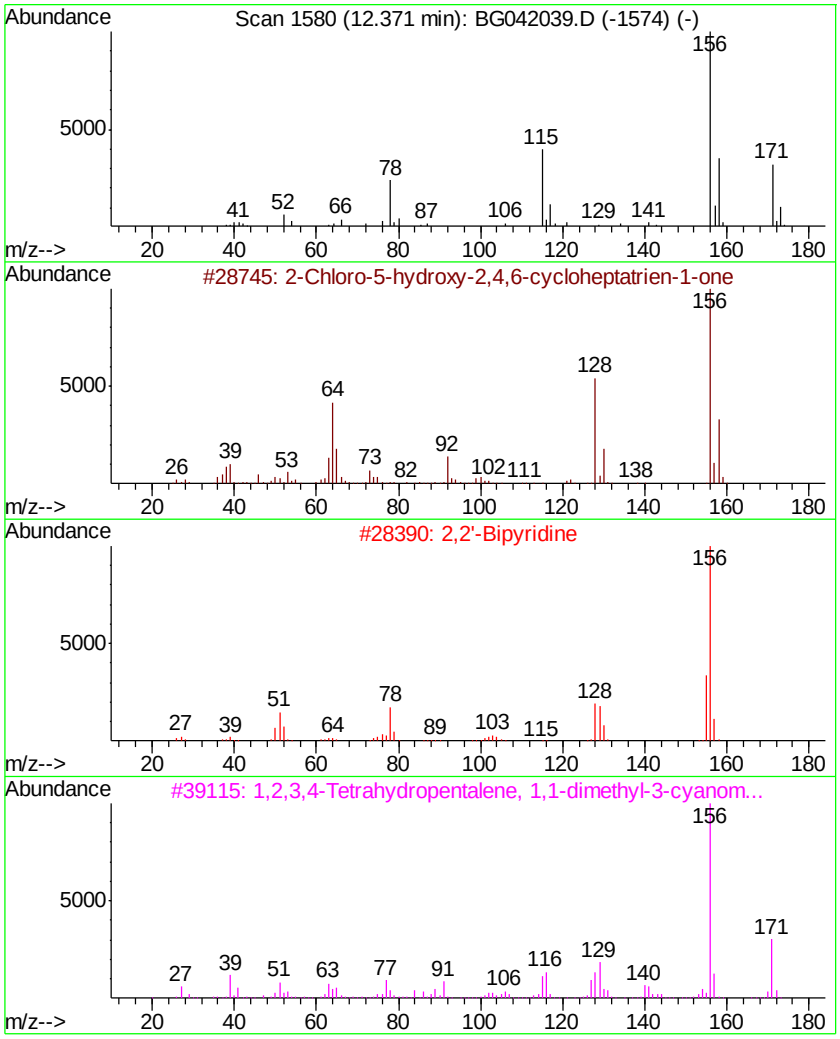
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

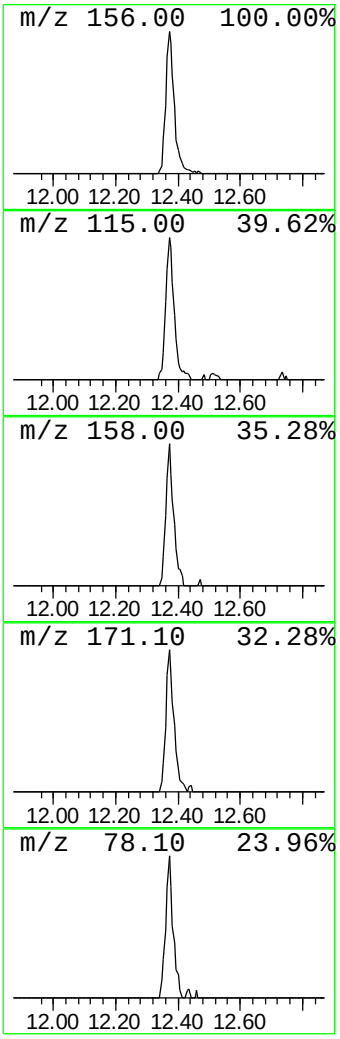
****

Peak Number 2 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.96 ng/ul	80285	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	43
2	2,2'-Bipyridine	156	C10H8N2	000366-18-7	38
3	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	37
4	6-Isopropylquinoline	171	C12H13N	000135-79-5	32
5	2,2'-Bipyridine	156	C10H8N2	000366-18-7	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

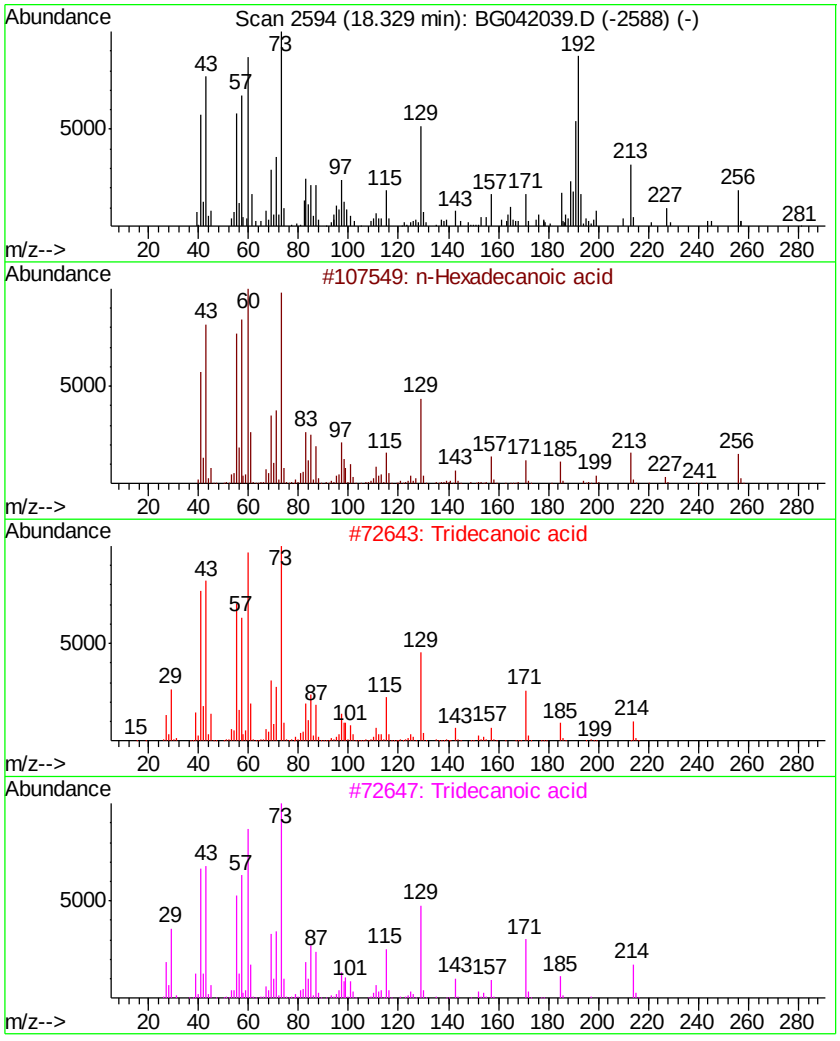
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

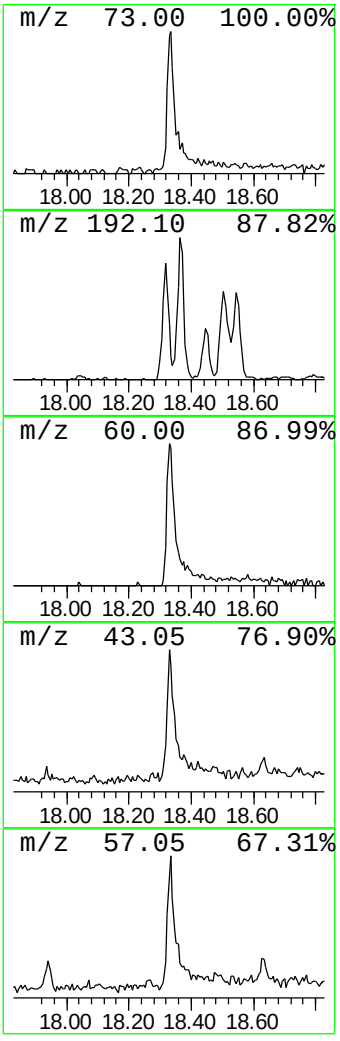
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	2.64 ng/ul	152260	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

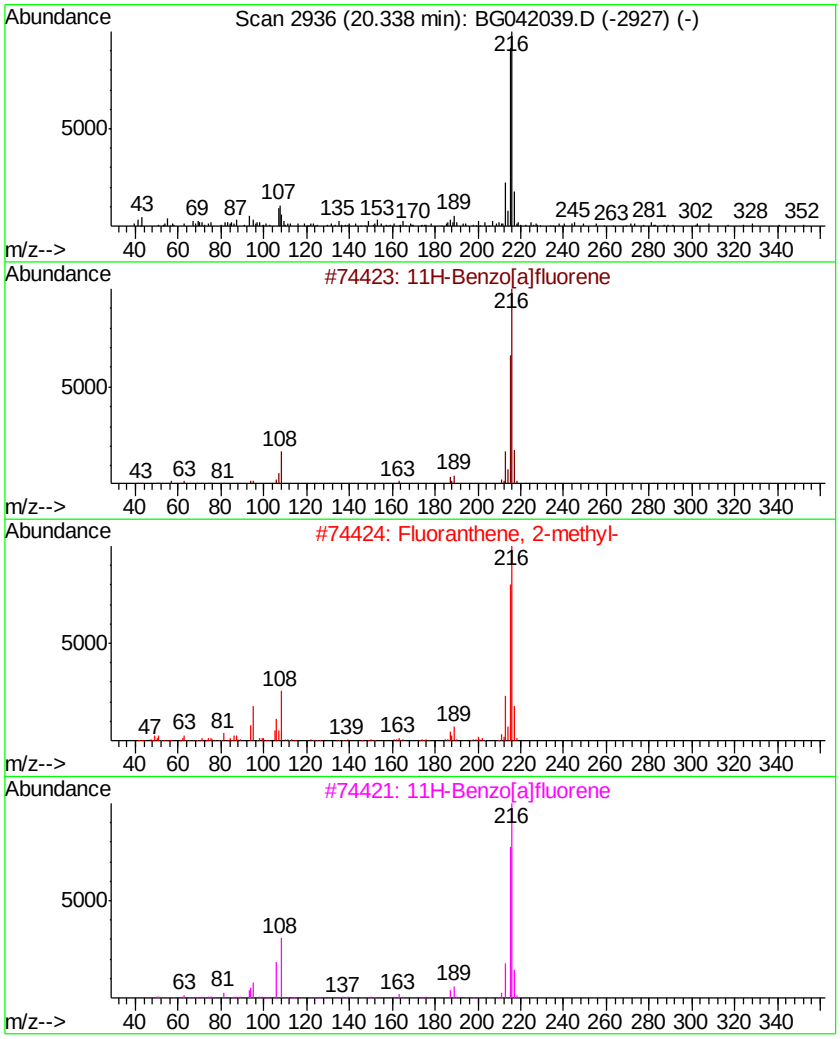
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

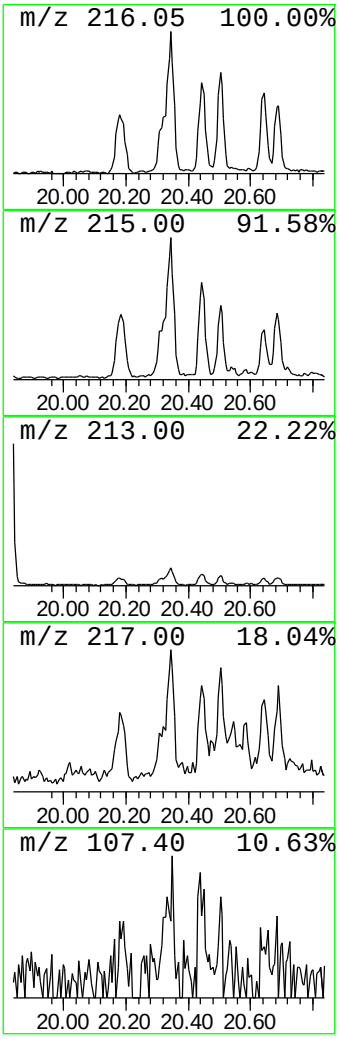
****

Peak Number 4 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.27 ng/ul	180322	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

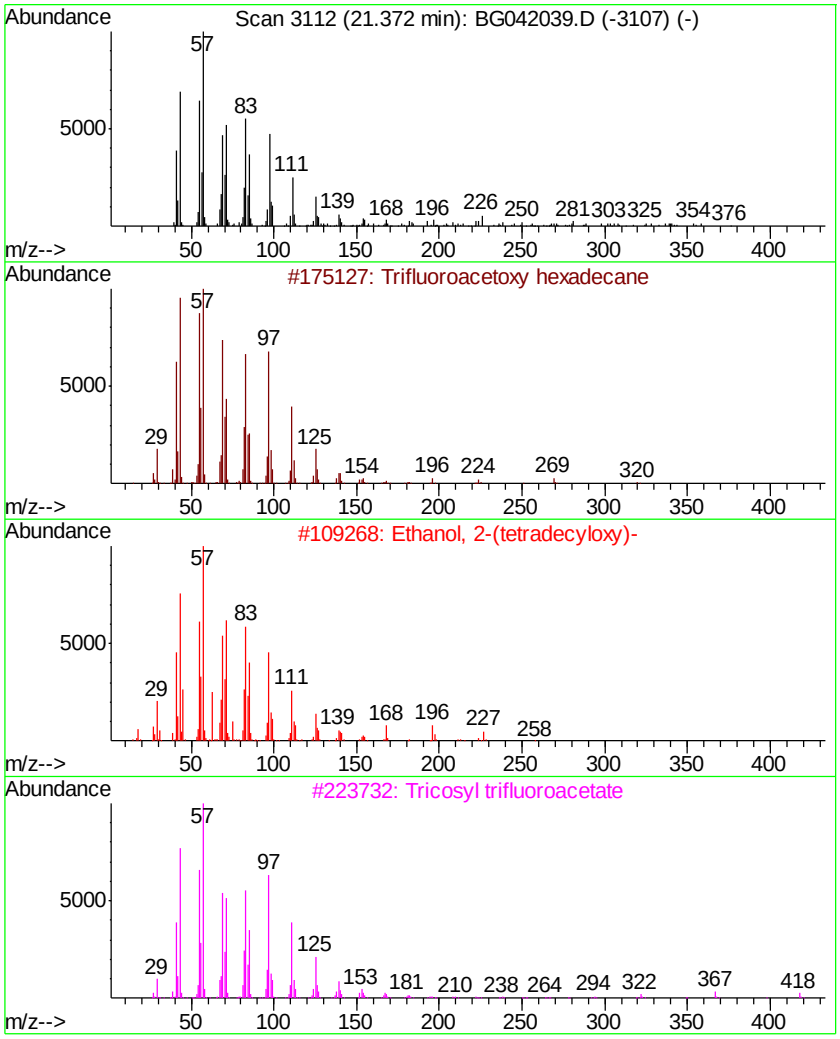
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

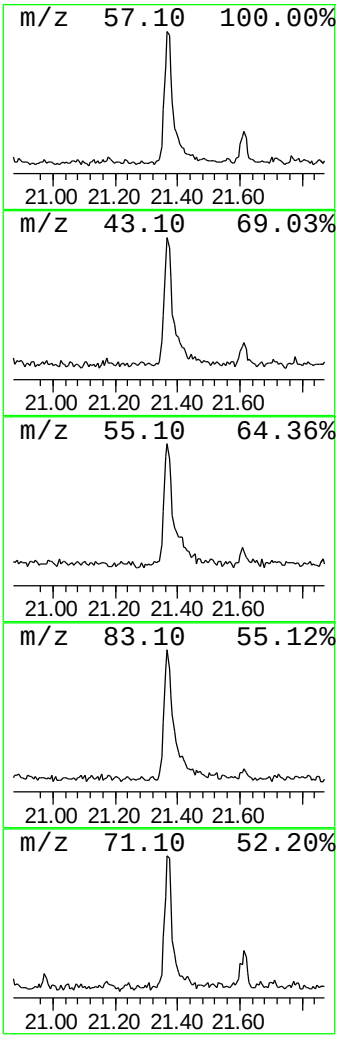
****

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.85 ng/ul	226263	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
3	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
4	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	91
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

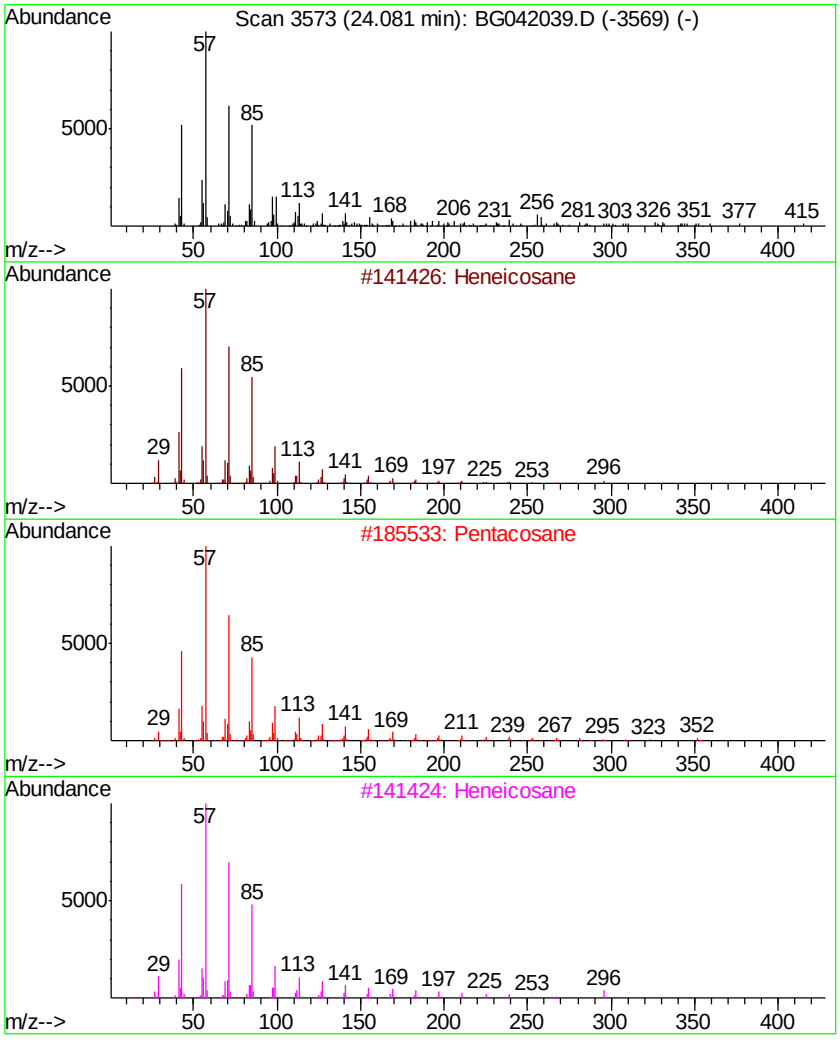
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

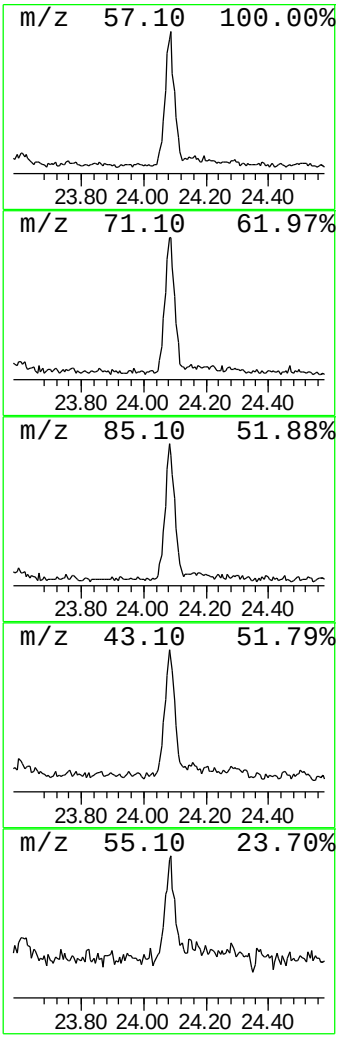
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	2.42 ng/ul	162941	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Pentacosane	352	C25H52	000629-99-2	95
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	87
5	Nonadecane	268	C19H40	000629-92-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080719\
Data File : BG042039.D
Acq On : 7 Aug 2019 20:09
Operator : HP/JU
Sample : K4029-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENT6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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
Butane, 2-methoxy...	3.15	127.5	ng/ul	2304690	1	8.02	361396	20.0
unknown-01	12.37	3.0	ng/ul	80285	2	10.85	542541	20.0
n-Hexadecanoic acid	18.33	2.6	ng/ul	152260	4	17.44	1151960	20.0
11H-Benzo[a]fluorene	20.34	2.3	ng/ul	180322	5	21.72	1586270	20.0
Trifluoroacetoxy ...	21.37	2.9	ng/ul	226263	5	21.72	1586270	20.0
(DEL) Alkane: Str...	24.08	2.4	ng/ul	162941	6	24.99	1344590	20.0