LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042107.D
Acq On : 9 Aug 2019 18:14
Operator : HP/JU
Sample : K4041-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENX0

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	3.148	5	10	36	rVB	1255193	2080543	100.00%	11.700%
2	3.412	51	55	59	rBV3	5839	7734	0.37%	0.043%
3	3.941	143	145	151	rVB3	3871	5421	0.26%	0.030%
4	4.082	163	169	175	rVB2	9622	17839	0.86%	0.100%
5	5.093	335	341	348	rBV3	2258	5456	0.26%	0.031%
6	7.184	690	697	714	rVB2	122384	272503	13.10%	1.532%
7	7.343	717	724	736	rBV	96524	170677	8.20%	0.960%
8	7.555	754	760	768	rBV	140130	258295	12.41%	1.453%
9	8.025	833	840	850	rBV	226158	399937	19.22%	2.249%
10	8.736	954	961	972	rBV	150355	286473	13.77%	1.611%
11	9.194	1031	1039	1051	rBV	133853	244919	11.77%	1.377%
12	9.270	1051	1052	1058	rVB4	2338	2397	0.12%	0.013%
13	9.635	1110	1114	1118	rVB3	1840	2468	0.12%	0.014%
14	9.922	1156	1163	1172	rBV	111658	213916	10.28%	1.203%
15	10.469	1247	1256	1274	rBV	173789	353089	16.97%	1.986%
16	10.598	1277	1278	1285	rVB2	1380	2100	0.10%	0.012%
17	10.851	1310	1321	1336	rBV	326443	603626	29.01%	3.395%
18	10.980	1336	1343	1354	rBV	124395	264106	12.69%	1.485%
19	11.051	1354	1355	1358	rVB2	3209	2307	0.11%	0.013%
20	12.443	1588	1592	1600	rVB3	3012	6148	0.30%	0.035%
21	13.295	1734	1737	1740	rBV3	1556	2125	0.10%	0.012%
22	13.924	1841	1844	1848	rVB2	2169	2350	0.11%	0.013%
23	14.088	1865	1872	1876	rBV	354825	546658	26.27%	3.074%
24	14.135	1876	1880	1887	rVB	98110	146948	7.06%	0.826%
25	14.376	1913	1921	1933	rBV	448674	706640	33.96%	3.974%
26	14.687	1967	1974	1984	rBV	575026	900545	43.28%	5.064%
27	14.887	2001	2008	2011	rBV	59255	113031	5.43%	0.636%
28	14.928	2011	2015	2032	rVB	123964	245608	11.80%	1.381%
29	15.099	2040	2044	2053	rVB5	10757	19259	0.93%	0.108%
30	15.486	2106	2110	2116	rBV4	2970	5492	0.26%	0.031%
31	15.539	2116	2119	2124	rVB4	2405	2921	0.14%	0.016%
32	15.680	2130	2143	2150	rBV	572354	910626	43.77%	5.121%
33	15.798	2157	2163	2170	rBV	112349	185923	8.94%	1.046%
34	15.921	2179	2184	2188	rBV4	4772	7878	0.38%	0.044%

LSC Area Percent Report

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Instrument : BNA_G
ClientSampleId : BENX0

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	16.368	2256	2260	2262	rBV2	5411	7706	0.37%	0.043%
36	16.462	2273	2276	2282	rVB5	2289	3038	0.15%	0.017%
37	16.568	2289	2294	2299	rBV3	2395	4971	0.24%	0.028%
38	17.196	2396	2401	2404	rVV4	2573	4569	0.22%	0.026%
39	17.220	2404	2405	2409	rVV3	2976	3083	0.15%	0.017%
40	17.249	2409	2410	2416	rVB3	2321	2320	0.11%	0.013%
41	17.337	2420	2425	2432	rBV6	5941	14189	0.68%	0.080%
42	17.437	2432	2442	2448	rVV2	704912	1095836	52.67%	6.163%
43	17.478	2448	2449	2453	rVV	18447	17792	0.86%	0.100%
44	17.537	2453	2459	2469	rVV	612098	935115	44.95%	5.259%
45	17.819	2499	2507	2509	rBV3	2449	5783	0.28%	0.033%
46	17.937	2523	2527	2531	rBV3	3442	5565	0.27%	0.031%
47	18.113	2553	2557	2559	rVB4	1995	2841	0.14%	0.016%
48	18.213	2567	2574	2576	rBV4	3619	6320	0.30%	0.036%
49	18.330	2589	2594	2604	rBV5	37039	72317	3.48%	0.407%
50	18.401	2604	2606	2611	rVB	6534	7696	0.37%	0.043%
51	18.512	2620	2625	2626	rBV4	5012	7162	0.34%	0.040%
52	18.636	2641	2646	2651	rBV3	5869	11125	0.53%	0.063%
53	18.812	2675	2676	2680	rVB4	2735	2920	0.14%	0.016%
54	18.941	2696	2698	2700	rVB2	3171	2308	0.11%	0.013%
55	19.112	2725	2727	2730	rBV4	1907	2319	0.11%	0.013%
56	19.235	2744	2748	2749	rVV4	4587	4778	0.23%	0.027%
57	19.253	2749	2751	2756	rVB5	4544	6870	0.33%	0.039%
58	19.423	2778	2780	2783	rVB3	2348	2290	0.11%	0.013%
59	19.464	2783	2787	2788	rBV2	11238	14257	0.69%	0.080%
60	19.494	2788	2792	2798	rVB	36065	55421	2.66%	0.312%
61	19.599	2807	2810	2812	rBV3	5324	6606	0.32%	0.037%
62	19.717	2825	2830	2832	rBV2	7258	10797	0.52%	0.061%
63	19.823	2842	2848	2859	rBV	770230	1217510	58.52%	6.847%
64	20.340	2931	2936	2937	rBV5	12964	16075	0.77%	0.090%
65	20.857	3022	3024	3027	rVB2	16536	15013	0.72%	0.084%
66	21.368	3106	3111	3120	rBV	129806	227733	10.95%	1.281%
67	21.720	3164	3171	3178	rBV	780740	1281715	61.60%	7.208%
68	21.926	3203	3206	3210	rVB4	25280	33733	1.62%	0.190%
69	22.549	3307	3312	3314	rBV2	68559	113689	5.46%	0.639%
70	23.254	3428	3432	3438	rVB2	38169	64514	3.10%	0.363%
71	23.606	3487	3492	3499	rVB3	84661	168577	8.10%	0.948%

LSC Area Percent Report

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Instrument : BNA_G
ClientSampleId : BENX0

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-BG080319MA.M
Title : SVOA CALIBRATION

72	24.082	3567	3573	3578	rBV	83516	168457	8.10%	0.947%
73	24.147	3578	3584	3603	rVB5	104905	369803	17.77%	2.080%
74	24.764	3680	3689	3709	rVB	417250	1225476	58.90%	6.892%
75	24.993	3718	3728	3738	rBV	466864	1344578	64.63%	7.561%
76	26.221	3929	3937	3945	rVB3	75934	223405	10.74%	1.256%

Sum of corrected areas: 17782230

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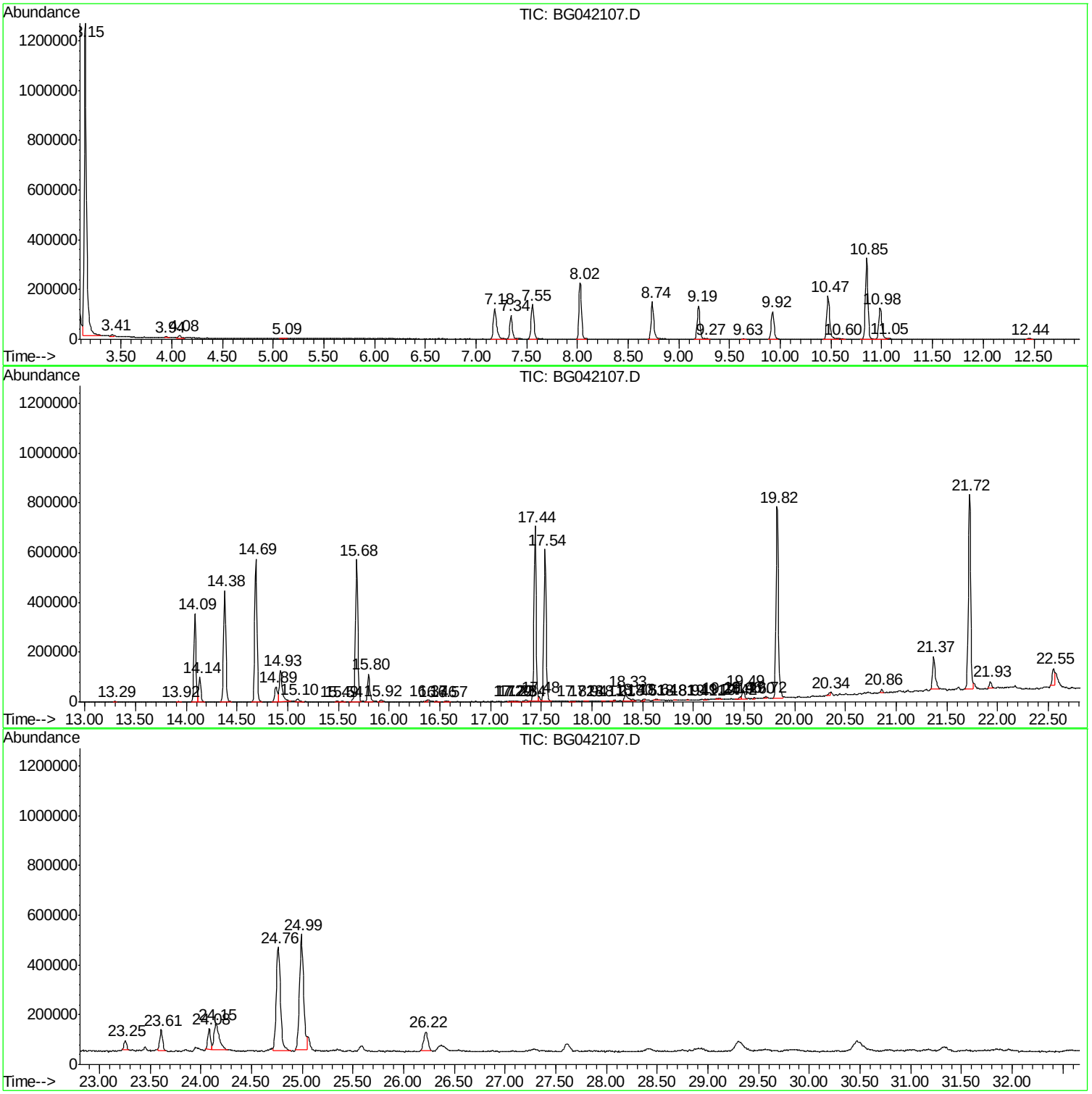
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENX0

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

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Quant Title : SVOA CALIBRATION

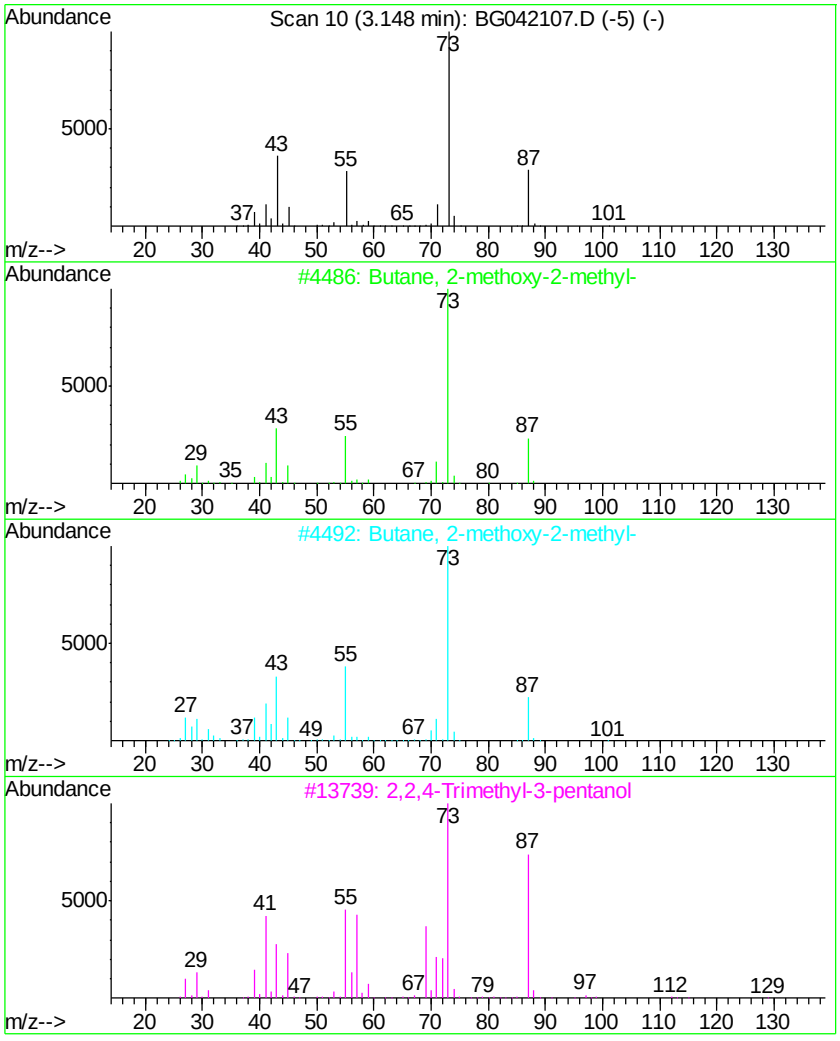
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

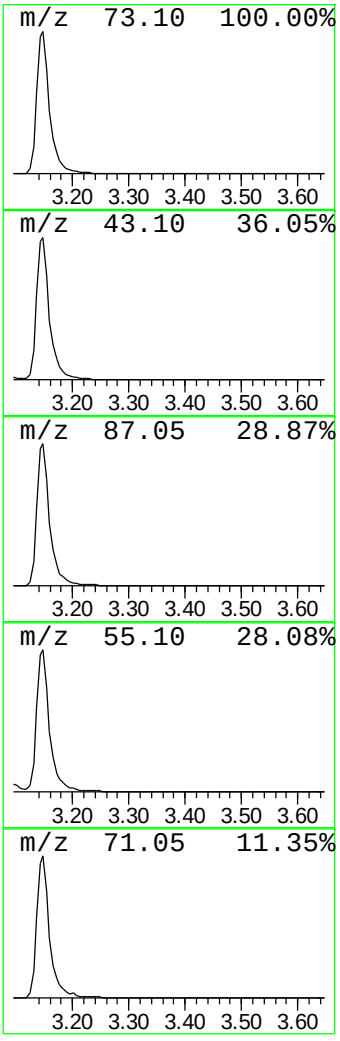
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	104.04 ng/ul	2080540	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	59
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





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Operator : HP/JU
Sample : K4041-17
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENX0

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

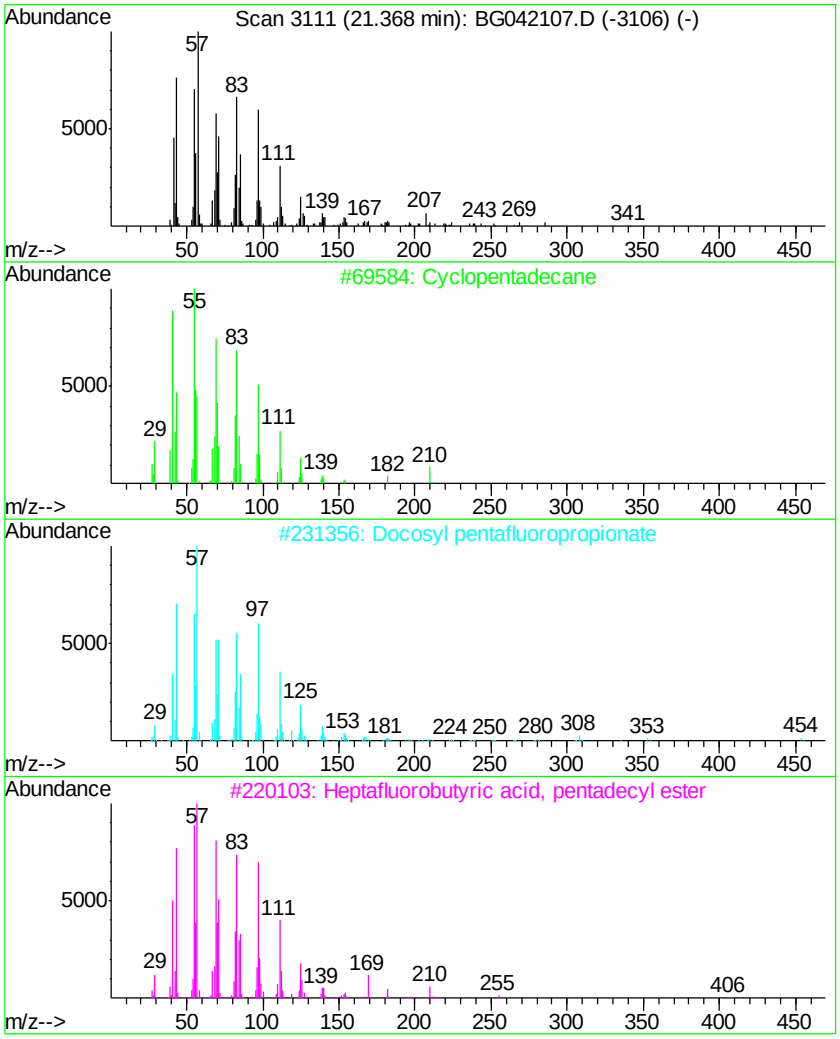
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

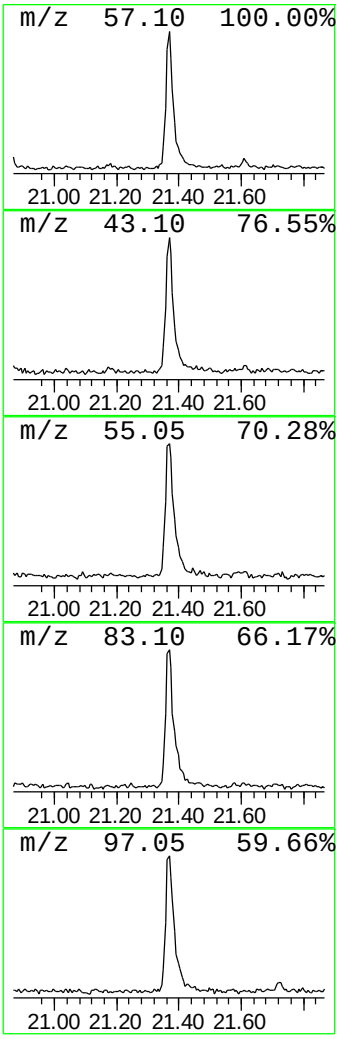
****

Peak Number 2 (DEL) Alkane: Cyclic21.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.55 ng/ul	227733	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	98
2	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94





Library Search Compound Report

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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENX0

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

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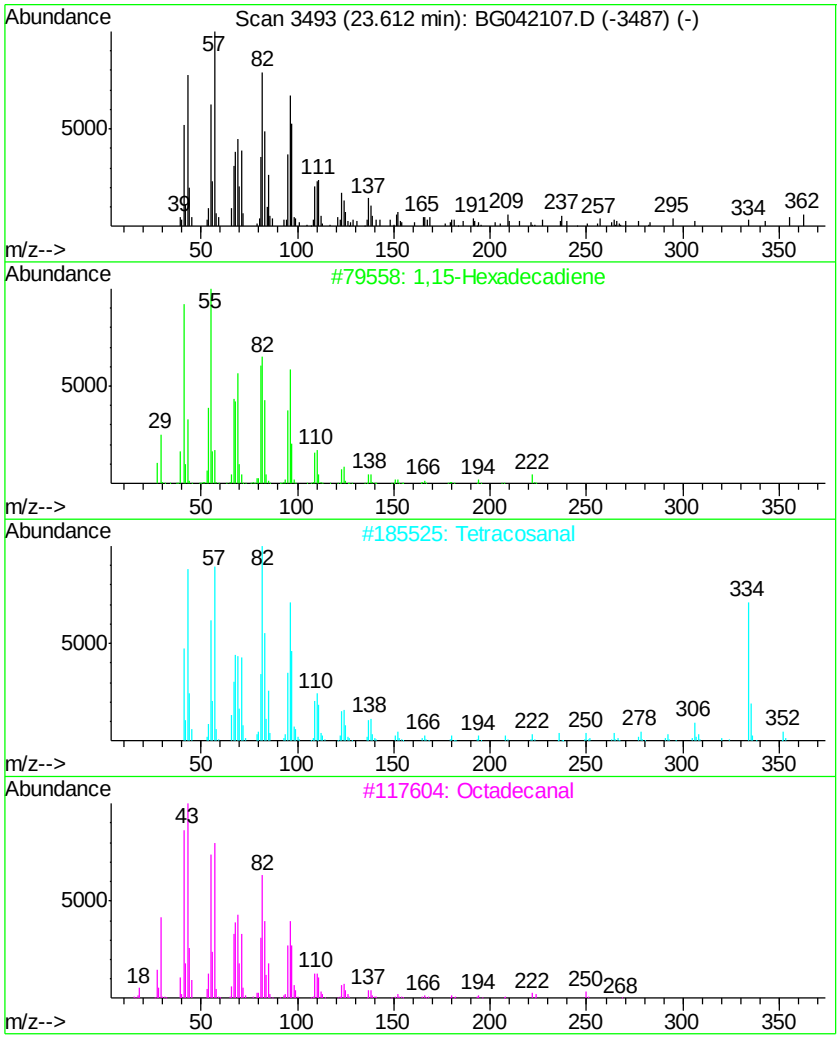
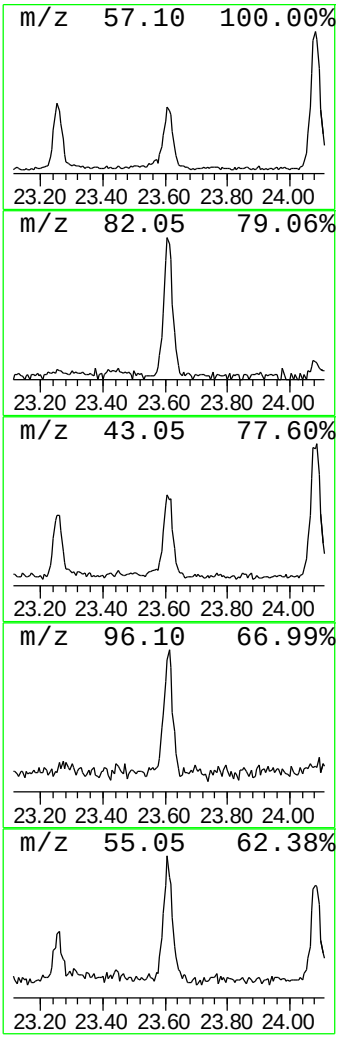
Peak Number 3 1,15-Hexadecadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.61	2.51 ng/ul	168577	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,15-Hexadecadiene	222	C16H30	021964-51-2	93
2	Tetracosanal	352	C24H48O	057866-08-7	91
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	90
5	12-Octadecenal	266	C18H34O	056554-91-7	90





Library Search Compound Report

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ClientSampleId : BENX0

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

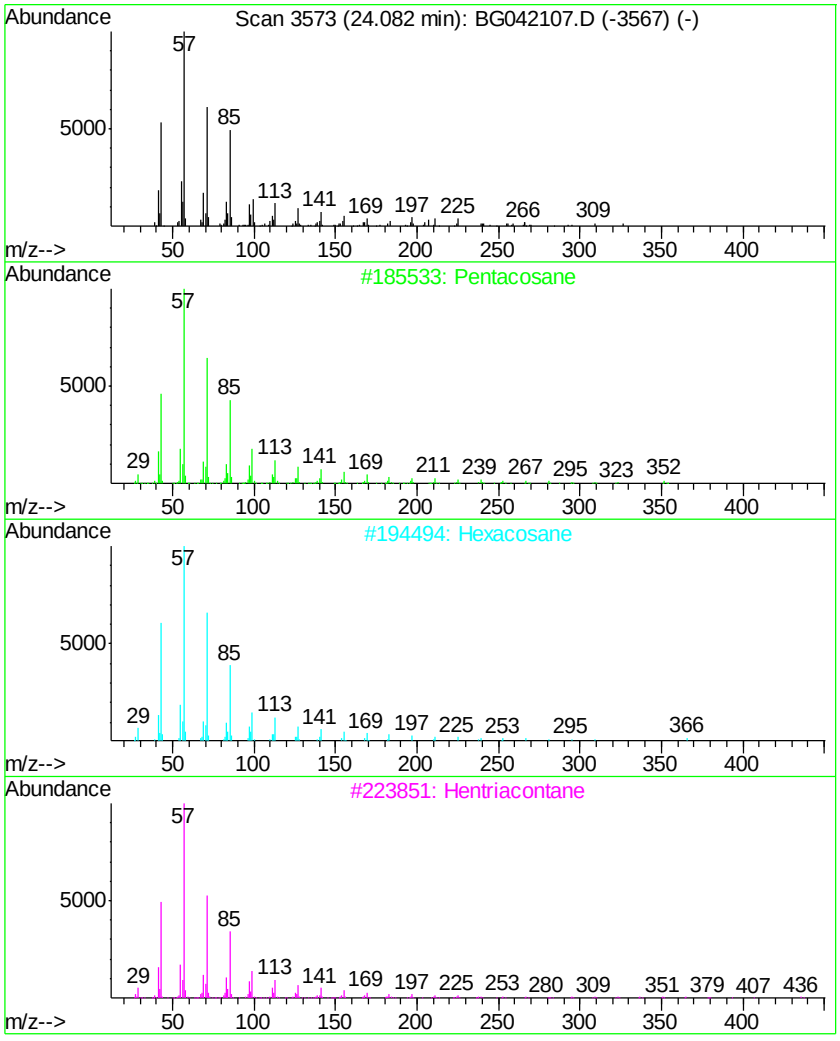
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

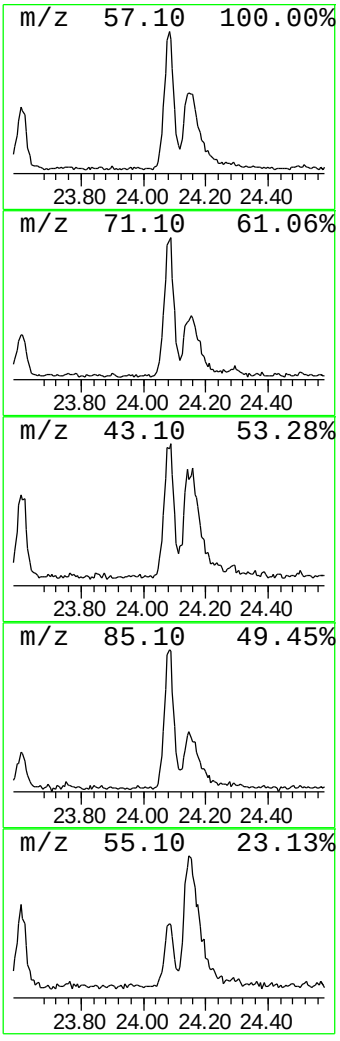
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	2.51 ng/ul	168457	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Hentriacontane	437	C31H64	000630-04-6	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87





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Misc :
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Instrument : BNA_G
ClientSampleId : BENX0

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

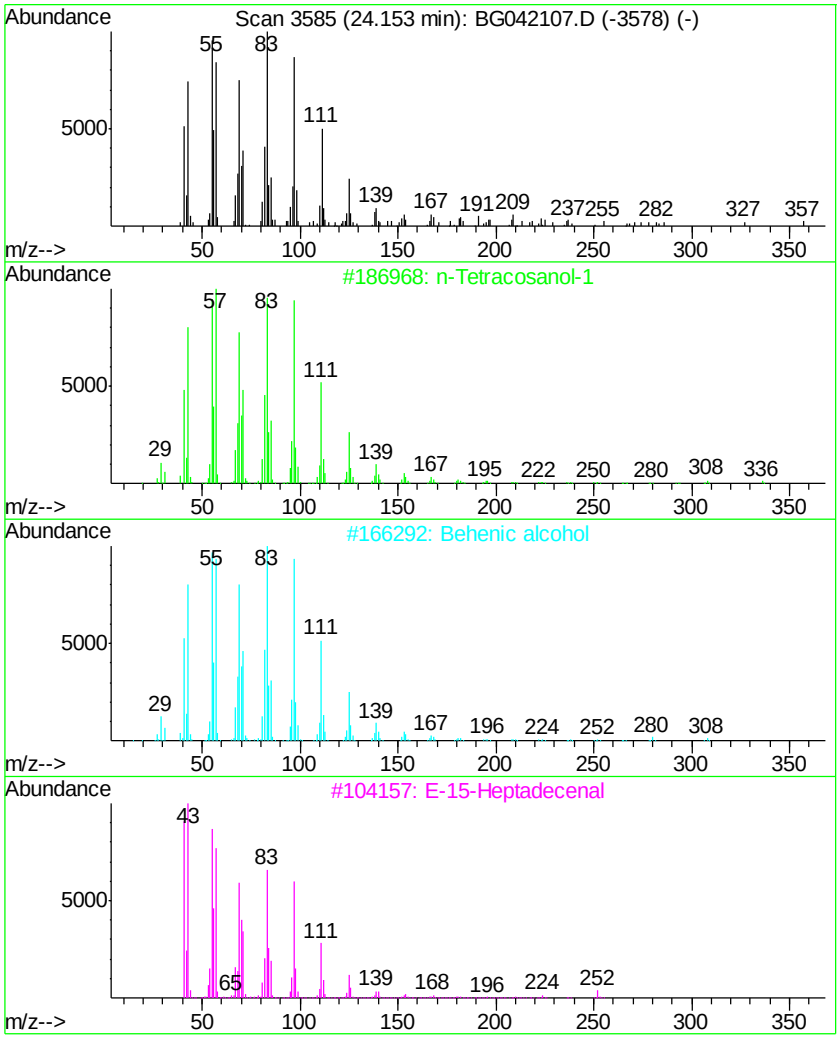
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

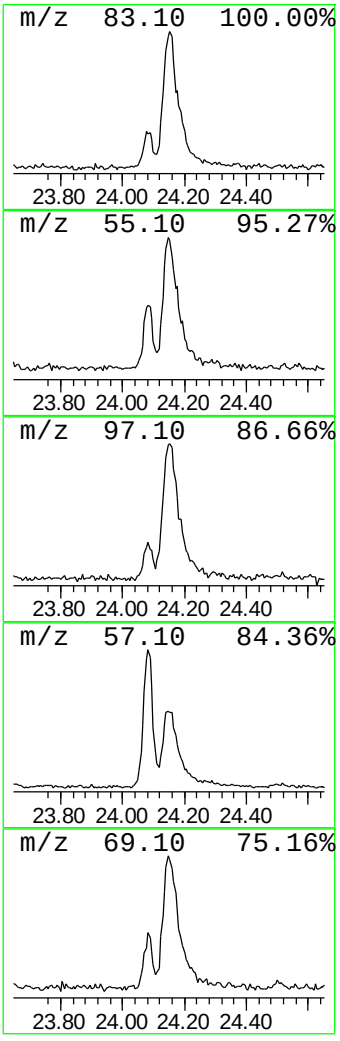
****

Peak Number 5 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.15	5.50 ng/ul	369803	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	E-15-Heptadecenal	252	C17H32O	1000130-97-9	94
4	1-Octadecanol	270	C18H38O	000112-92-5	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	94





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Misc :
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Instrument : BNA_G
ClientSampleId : BENX0

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

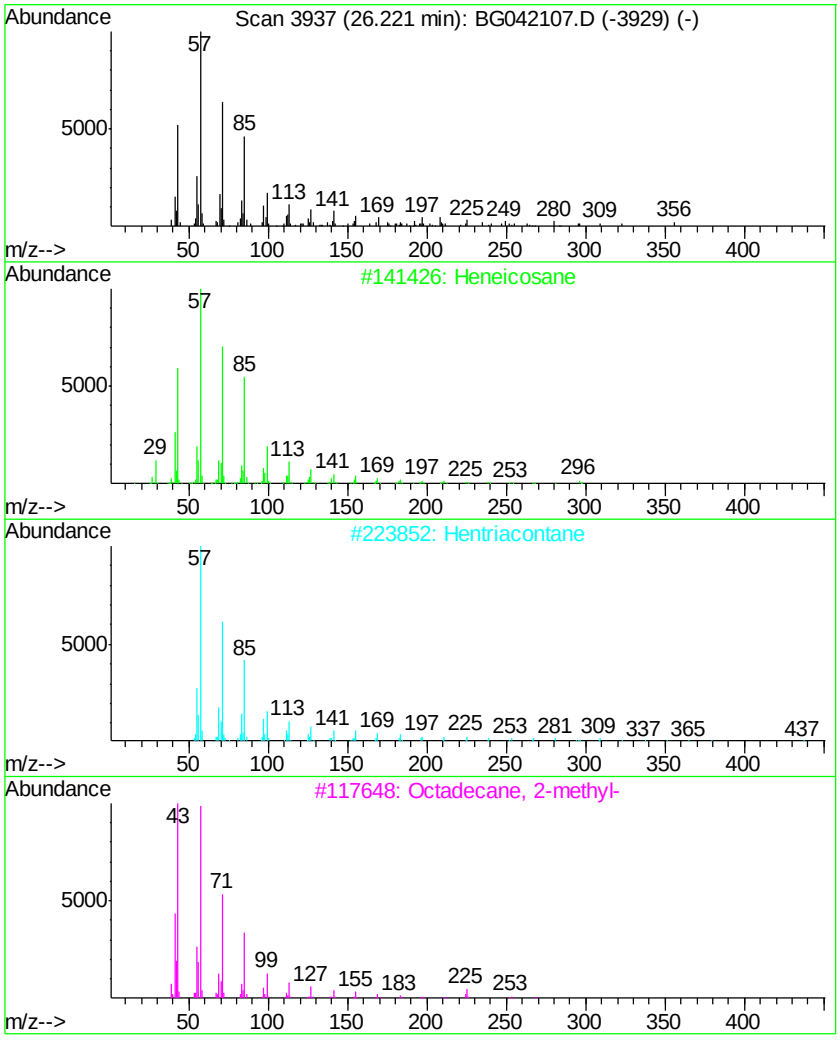
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

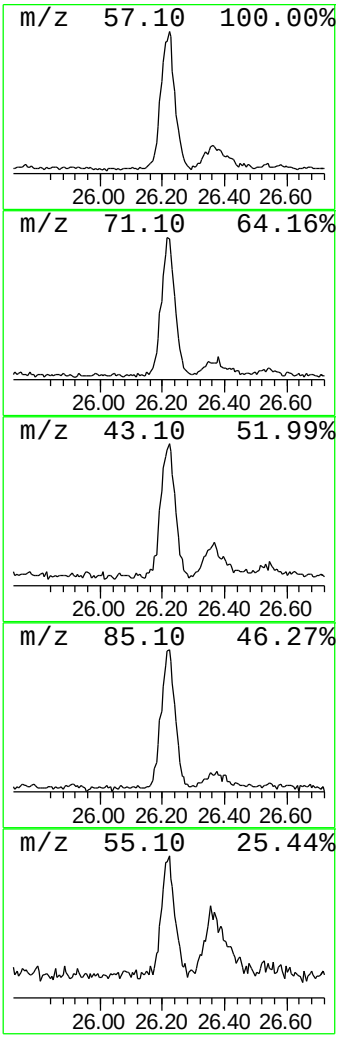
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.22	3.32 ng/ul	223405	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	99
2	Hentriacontane	437	C31H64	000630-04-6	93
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
4	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	91
5	Tetracosane	338	C24H50	000646-31-1	90





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_G
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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	104.0	ng/ul	2080540	1	8.02	399937	20.0
(DEL) Alkane: Cyc...	21.37	3.5	ng/ul	227733	5	21.72	1281720	20.0
1,15-Hexadecadiene	23.61	2.5	ng/ul	168577	6	24.99	1344580	20.0
(DEL) Alkane: Str...	24.08	2.5	ng/ul	168457	6	24.99	1344580	20.0
n-Tetracosanol-1	24.15	5.5	ng/ul	369803	6	24.99	1344580	20.0
(DEL) Alkane: Str...	26.22	3.3	ng/ul	223405	6	24.99	1344580	20.0