LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.740	5	9	18	rVB	30036	41092	4.94%	0.557%
2	2.981	46	50	55	rVB4	13283	16467	1.98%	0.223%
3	4.708	339	344	350	rVB2	12646	18496	2.22%	0.251%
4	5.202	422	428	441	rBV	220761	345990	41.58%	4.688%
5	6.818	696	703	711	rBV	244495	381548	45.85%	5.170%
6	7.147	751	759	767	rBV	253719	397847	47.81%	5.391%
7	7.599	829	836	844	rVB	101443	163231	19.61%	2.212%
8	7.922	885	891	898	rVB	194728	296445	35.62%	4.017%
9	8.768	1028	1035	1042	rBV	152937	254934	30.63%	3.454%
10	10.396	1304	1312	1318	rBV	136755	231810	27.86%	3.141%
11	10.443	1318	1320	1330	rVB2	12437	18212	2.19%	0.247%
12	12.070	1593	1597	1603	rVB	14383	22489	2.70%	0.305%
13	12.294	1630	1635	1640	rBV2	10649	16666	2.00%	0.226%
14	12.540	1673	1677	1682	rVB3	9582	13036	1.57%	0.177%
15	12.887	1727	1736	1742	rBV	374298	551793	66.31%	7.477%
16	13.099	1768	1772	1775	rVB3	7966	12287	1.48%	0.166%
17	13.586	1851	1855	1860	rBV3	8582	14623	1.76%	0.198%
18	13.639	1860	1864	1869	rVV3	8492	10724	1.29%	0.145%
19	13.733	1874	1880	1888	rBV3	20258	38626	4.64%	0.523%
20	14.174	1950	1955	1959	rVB4	9333	10953	1.32%	0.148%
21	14.268	1965	1971	1979	rBV2	189525	300199	36.07%	4.068%
22	14.673	2035	2040	2047	rBV3	10969	17680	2.12%	0.240%
23	15.126	2114	2117	2122	rVB2	10908	14184	1.70%	0.192%
24	15.320	2146	2150	2155	rBV4	9161	12987	1.56%	0.176%
25	15.537	2181	2187	2193	rBV5	6067	10987	1.32%	0.149%
26	15.619	2197	2201	2208	rVB6	7847	15333	1.84%	0.208%
27	15.772	2220	2227	2235	rBV	320953	460787	55.37%	6.243%
28	16.001	2261	2266	2268	rBV3	13964	27423	3.30%	0.372%
29	16.571	2356	2363	2365	rBV6	5749	11744	1.41%	0.159%
30	16.677	2377	2381	2385	rBV3	12070	18157	2.18%	0.246%
31	16.759	2390	2395	2396	rVV4	5218	8368	1.01%	0.113%
32	16.782	2396	2399	2405	rVV5	9470	16650	2.00%	0.226%
33	16.835	2405	2408	2414	rVB4	6035	9907	1.19%	0.134%
34	17.023	2434	2440	2444	rBV	251131	348326	41.86%	4.720%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.065	2444	2447	2451	rVB2	67844	86106	10.35%	1.167%
36	17.153	2459	2462	2467	rVB	12731	17219	2.07%	0.233%
37	17.211	2467	2472	2477	rBV7	4620	8821	1.06%	0.120%
38	17.435	2502	2510	2516	rBV7	7859	20219	2.43%	0.274%
39	17.523	2522	2525	2534	rVB4	9327	14372	1.73%	0.195%
40	17.899	2585	2589	2591	rBV2	13660	20401	2.45%	0.276%
41	17.928	2591	2594	2603	rVB5	46326	95194	11.44%	1.290%
42	18.087	2618	2621	2625	rBV4	18937	31107	3.74%	0.421%
43	18.134	2626	2629	2633	rVB3	14521	18276	2.20%	0.248%
44	18.222	2639	2644	2647	rBV5	11004	13810	1.66%	0.187%
45	18.293	2654	2656	2660	rVB5	6985	8870	1.07%	0.120%
46	18.404	2670	2675	2679	rBV4	16524	25616	3.08%	0.347%
47	18.451	2679	2683	2687	rVV5	13033	21003	2.52%	0.285%
48	18.798	2737	2742	2743	rBV5	5539	10314	1.24%	0.140%
49	18.827	2743	2747	2749	rBV4	11588	18379	2.21%	0.249%
50	18.968	2767	2771	2777	rVB8	16101	30442	3.66%	0.412%
51	19.045	2777	2784	2787	rBV4	38162	60920	7.32%	0.825%
52	19.086	2787	2791	2799	rVV	128689	184704	22.20%	2.503%
53	19.150	2800	2802	2806	rVB5	8914	11407	1.37%	0.155%
54	19.215	2811	2813	2819	rVB6	11147	19628	2.36%	0.266%
55	19.450	2849	2853	2862	rVB	104216	155665	18.71%	2.109%
56	19.526	2863	2866	2872	rVB8	11701	19043	2.29%	0.258%
57	19.614	2879	2881	2884	rBV4	9348	12748	1.53%	0.173%
58	19.661	2884	2889	2898	rVB	722997	832180	100.00%	11.276%
59	19.867	2922	2924	2929	rBV6	9447	18230	2.19%	0.247%
60	19.914	2929	2932	2933	rVV3	9576	10424	1.25%	0.141%
61	19.949	2935	2938	2941	rVV4	11941	17858	2.15%	0.242%
62	20.049	2952	2955	2958	rBV4	14072	15554	1.87%	0.211%
63	20.296	2995	2997	3001	rVB4	12888	13477	1.62%	0.183%
64	20.643	3054	3056	3058	rBV3	12599	10605	1.27%	0.144%
65	20.701	3062	3066	3071	rBV	23992	37972	4.56%	0.515%
66	20.901	3097	3100	3101	rBV3	14944	15428	1.85%	0.209%
67	20.931	3102	3105	3111	rVB5	70762	106691	12.82%	1.446%
68	21.218	3147	3154	3158	rBV2	343404	532227	63.96%	7.211%
69	21.254	3158	3160	3166	rVB	73198	76446	9.19%	1.036%
70	22.775	3413	3419	3422	rBV2	67585	144254	17.33%	1.955%
71	23.451	3528	3534	3540	rVB	194564	351986	42.30%	4.769%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	23.639	3563	3566	3573	rVB8	34864	55279	6.64%	0.749%
73	23.962	3619	3621	3629	rVB2	56456	107444	12.91%	1.456%

Sum of corrected areas: 7380320

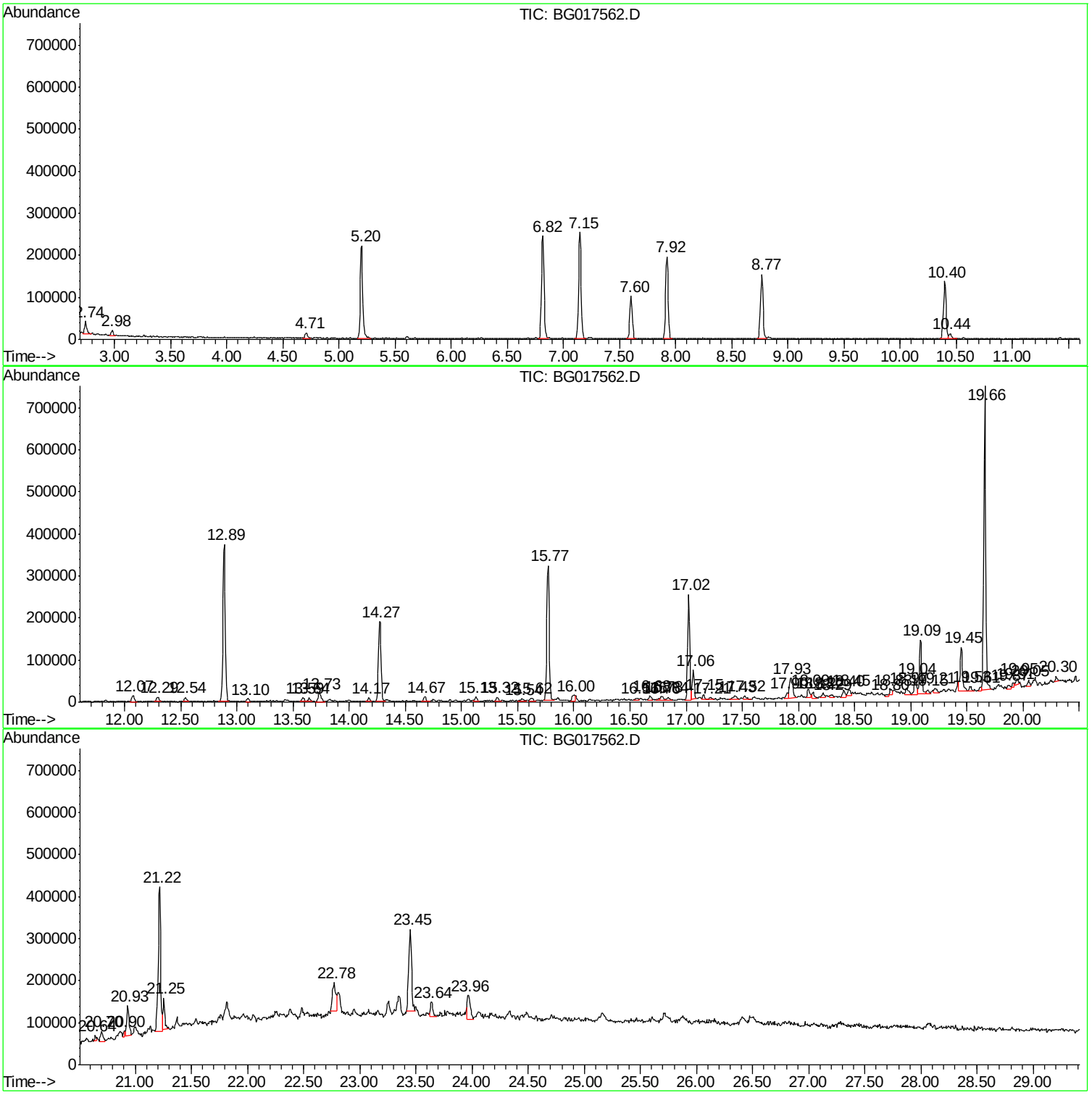
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

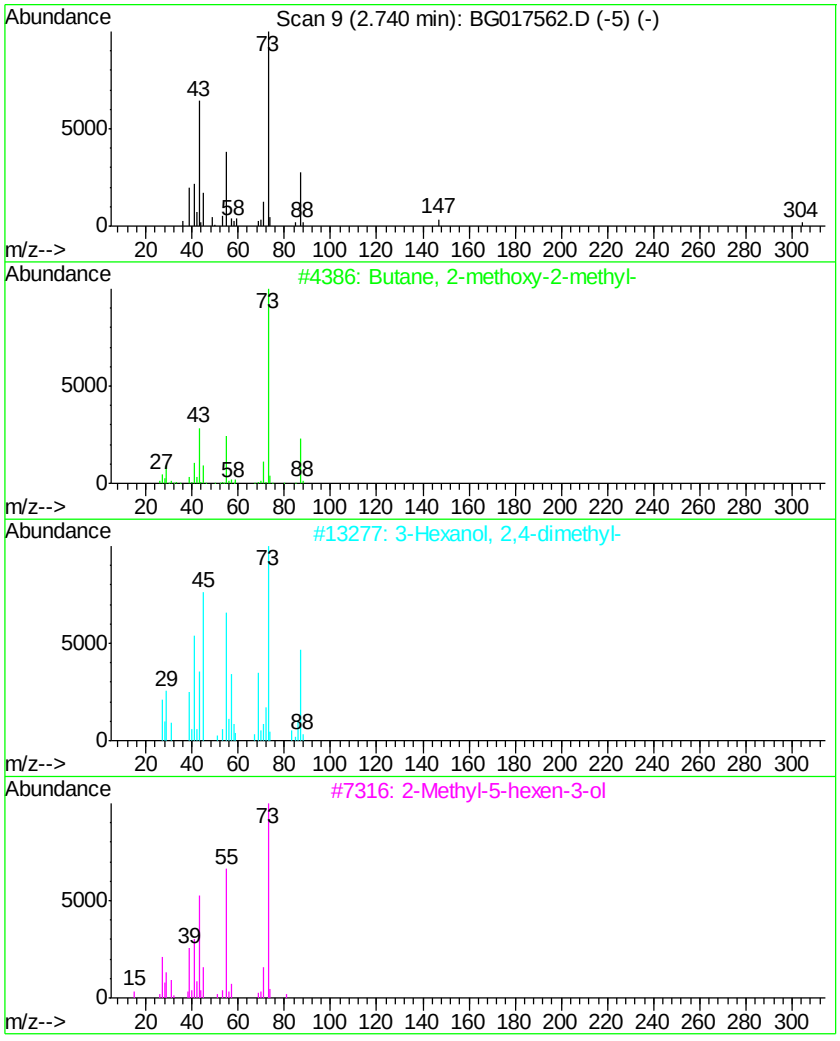
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

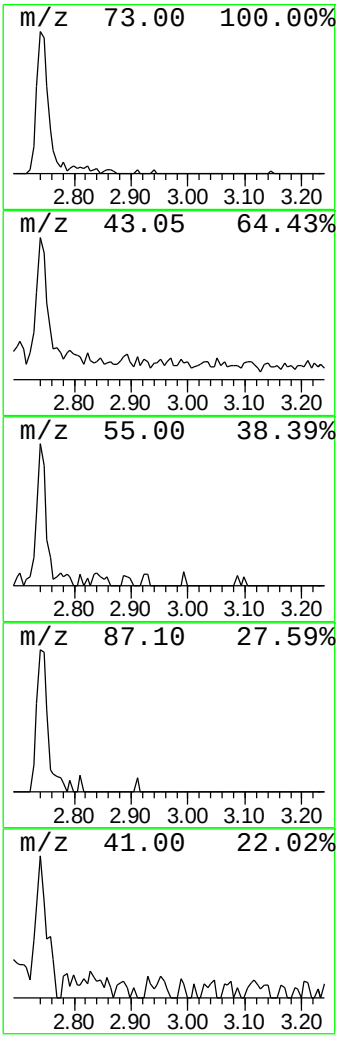
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	5.03 ng	41092	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	42
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	35
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
5	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	32





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

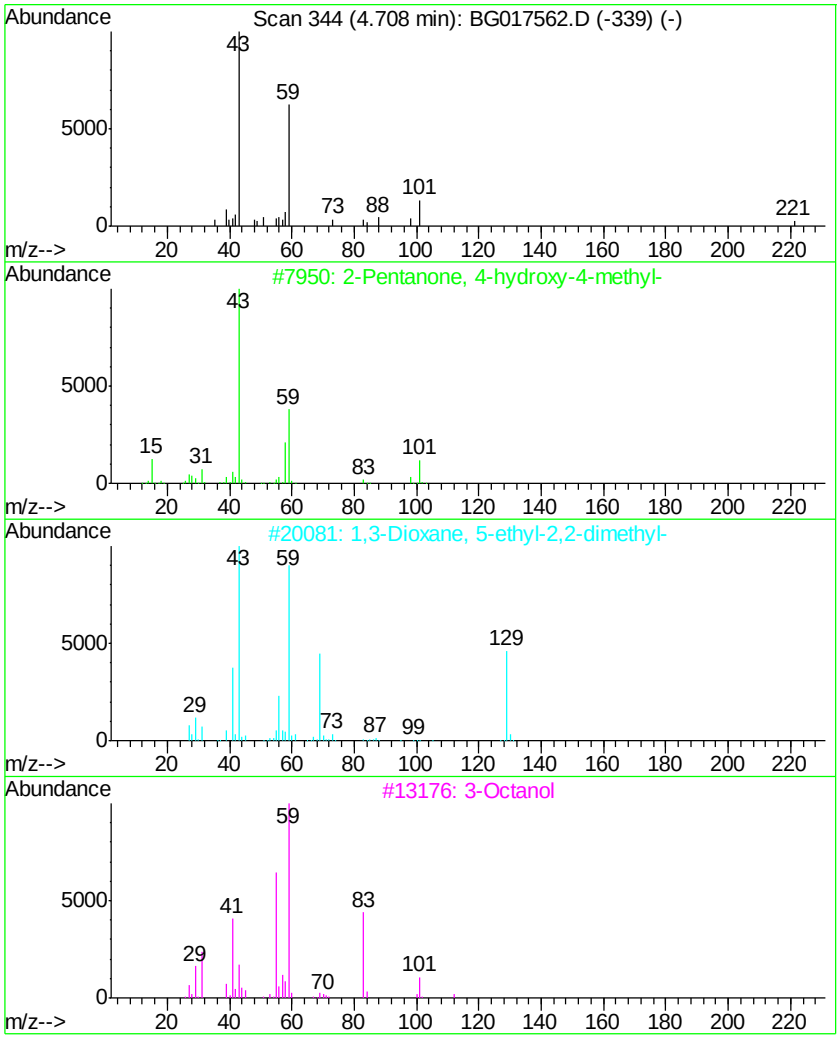
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

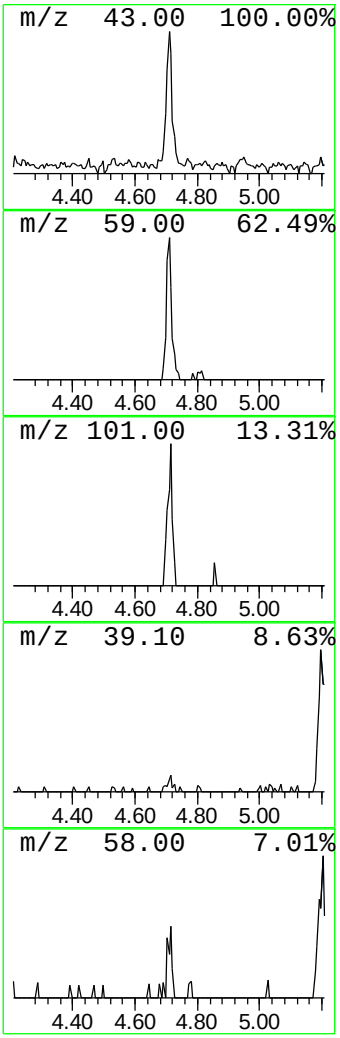
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	2.27 ng	18496	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1,3-Dioxane, 5-ethyl-2,2-dimethyl-	144	C8H16O2	025796-26-3	33
3	3-Octanol	130	C8H18O	000589-98-0	25
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
5	Silane, hexyl-	116	C6H16Si	001072-14-6	23





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

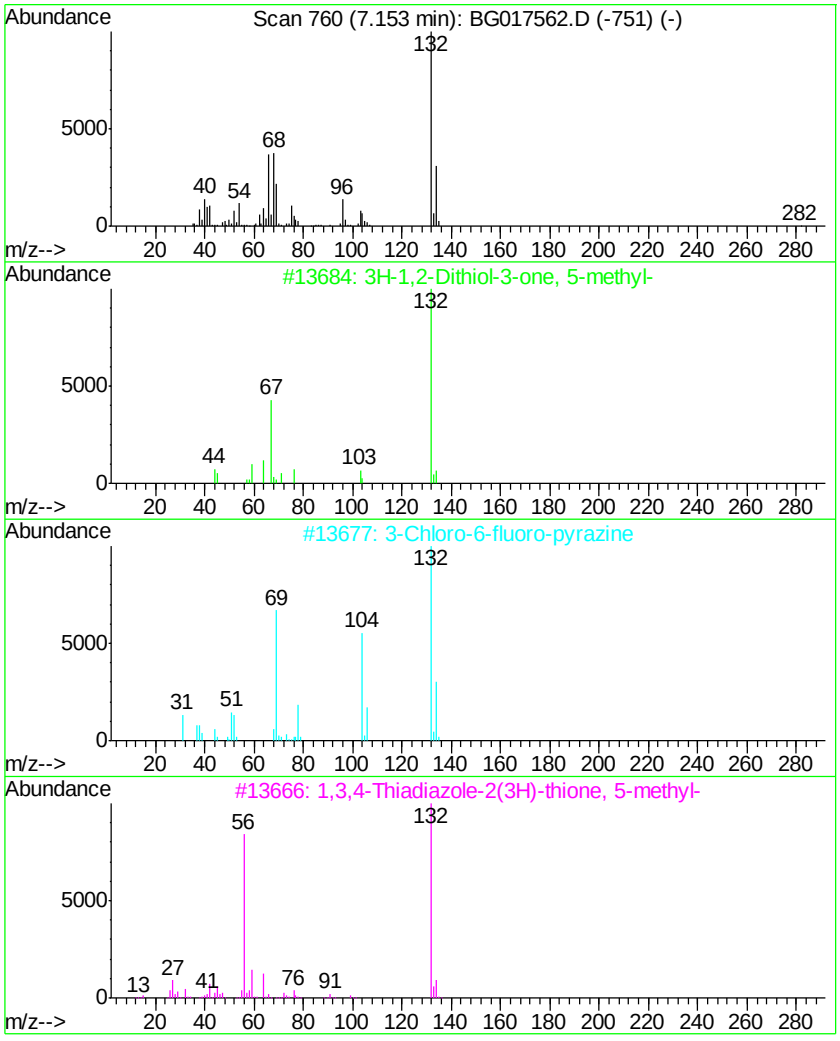
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

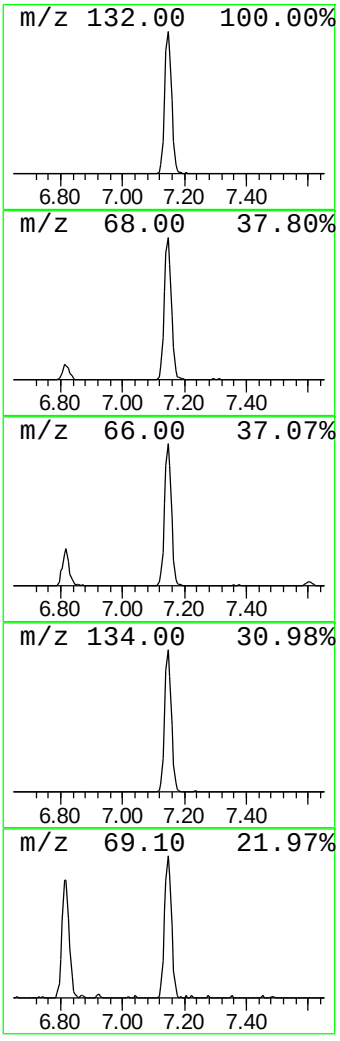
****

Peak Number 4 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	48.75 ng	397847	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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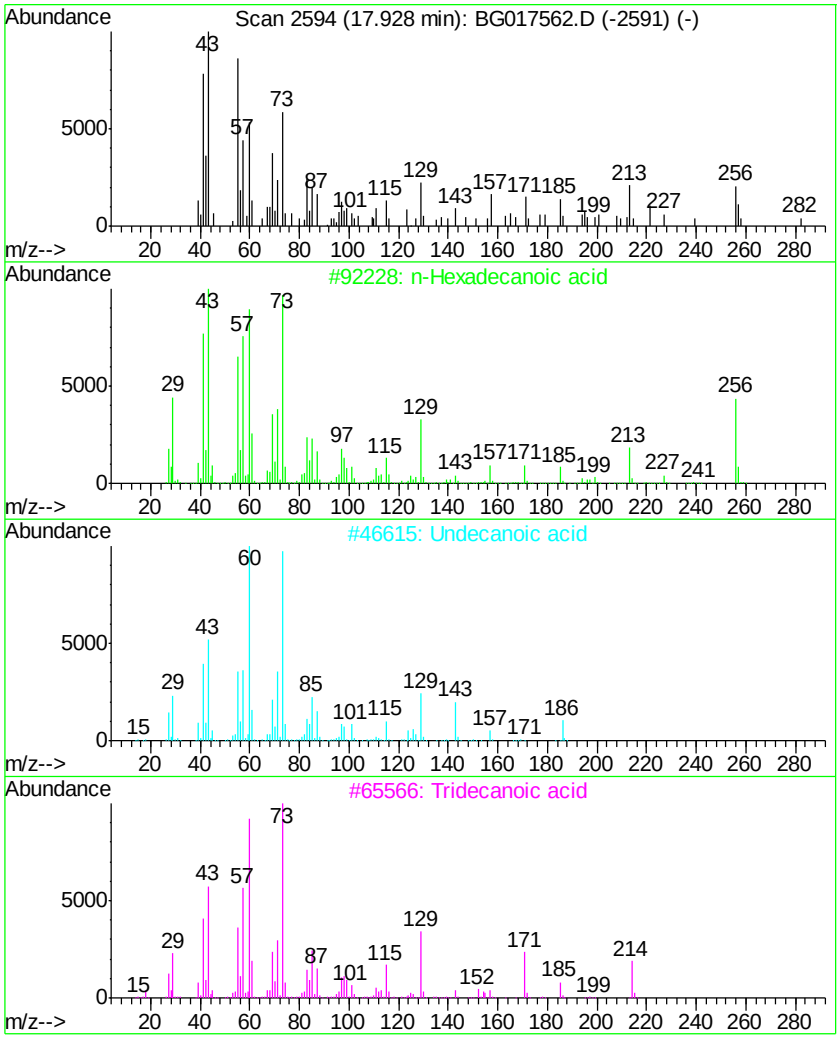
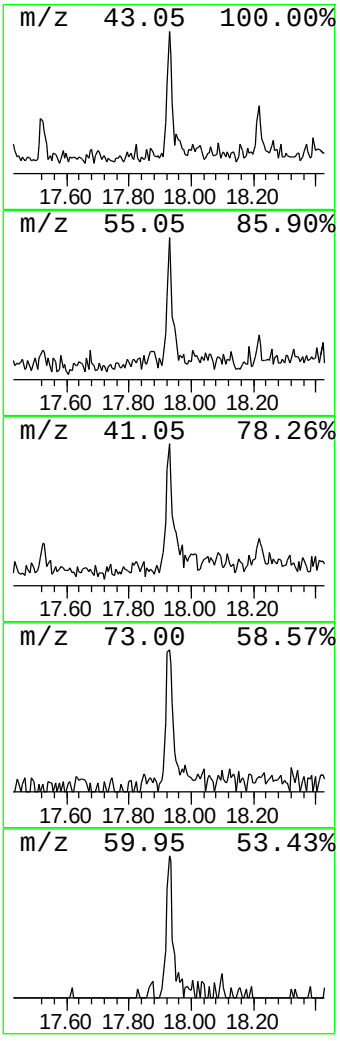
Peak Number 7 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	5.47 ng	95194	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Undecanoic acid	186	C11H22O2	000112-37-8	64
3	Tridecanoic acid	214	C13H26O2	000638-53-9	45
4	Dodecanoic acid	200	C12H24O2	000143-07-7	43
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

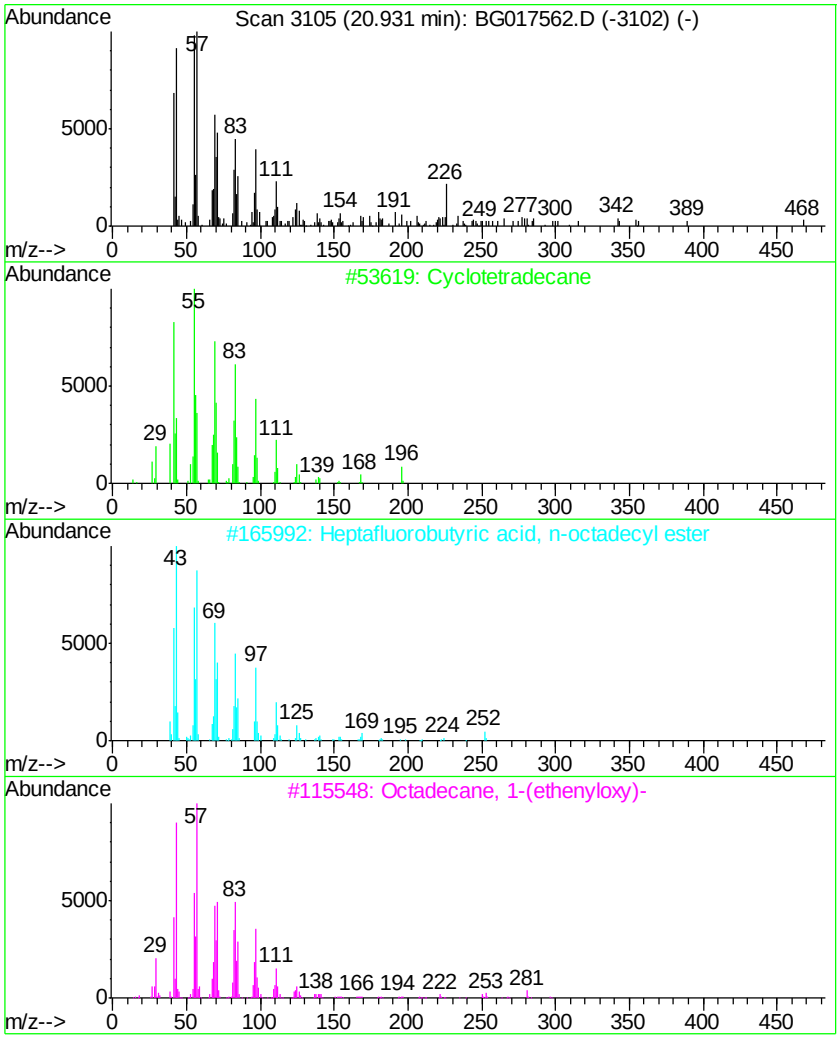
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

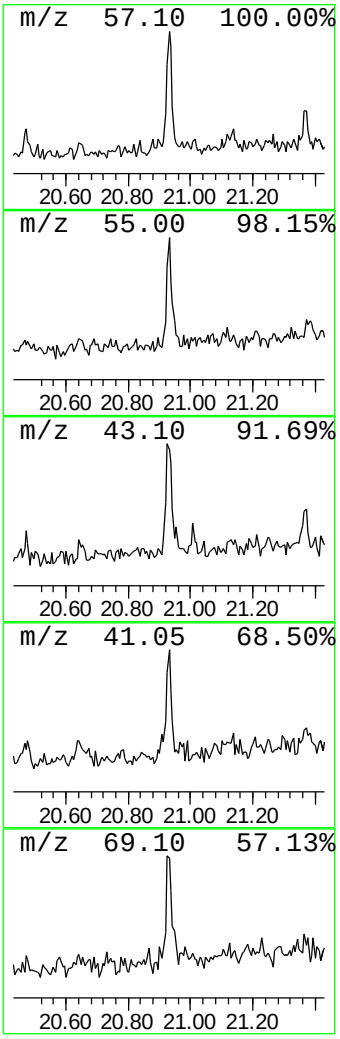
****

Peak Number 8 Cyclotetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	4.01 ng	106691	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	92
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81
3	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	76
4	Dichloroacetic acid, 2-tetradecy...	324	C16H30Cl2O2	1000280-64-4	74
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

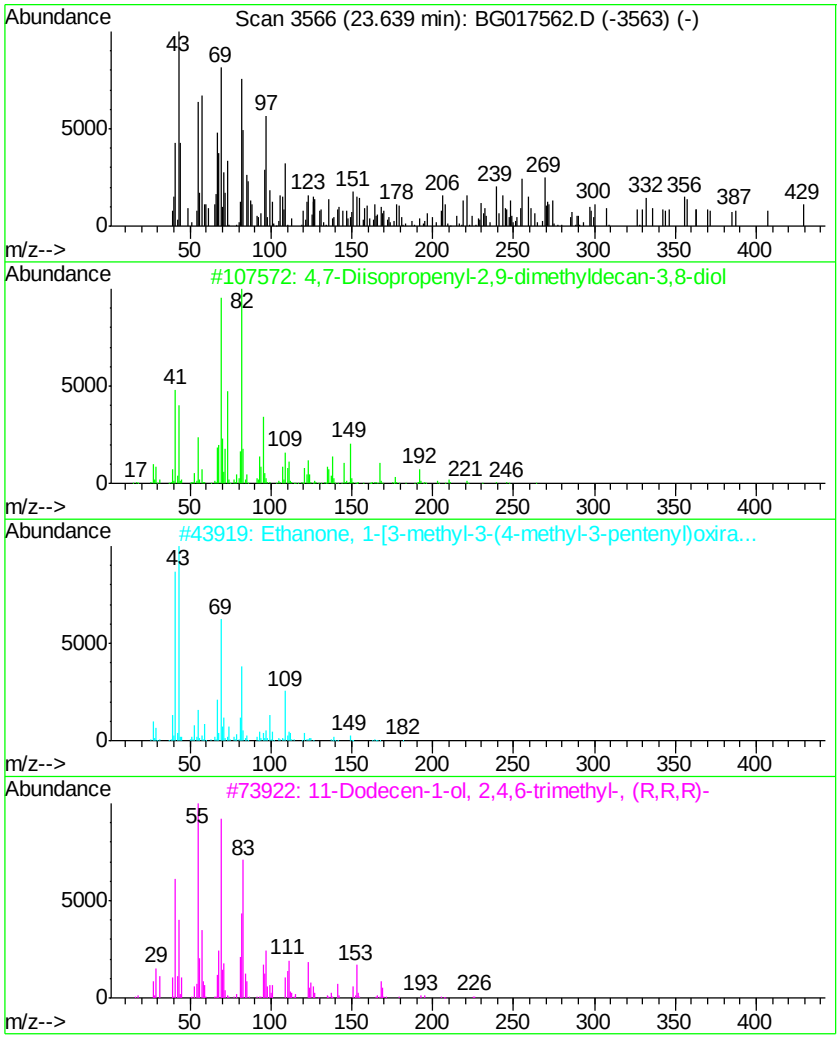
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

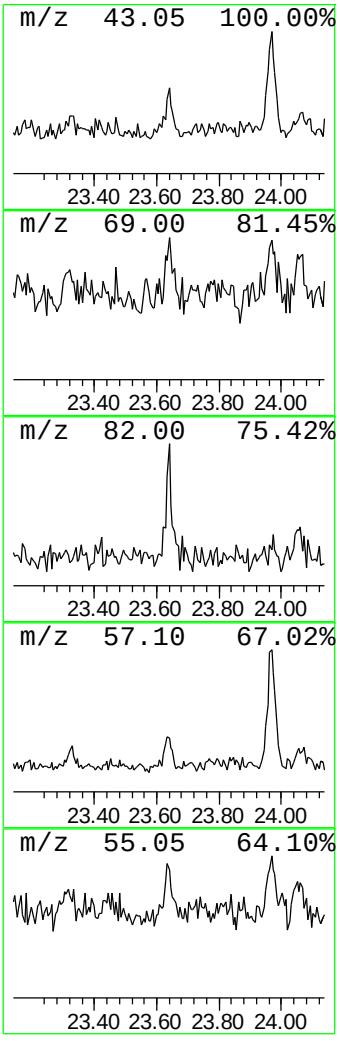
****

Peak Number 9 unknown23.64 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.64	3.14 ng	55279	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Diisopropenyl-2,9-dimethylde...	282	C18H34O2	029051-49-8	38
2	Ethanone, 1-[3-methyl-3-(4-methy...	182	C11H18O2	064810-32-8	35
3	11-Dodecen-1-ol, 2,4,6-trimethyl...	226	C15H30O	027829-54-5	27
4	1,2,4-Cyclopentanetrione, 3,3-bi...	332	C20H28O4	000468-62-2	18
5	2-((2,4-Difluorophenyl)sulfanyl)...	326	C16H20F2N2OS	1000298-02-1	18





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

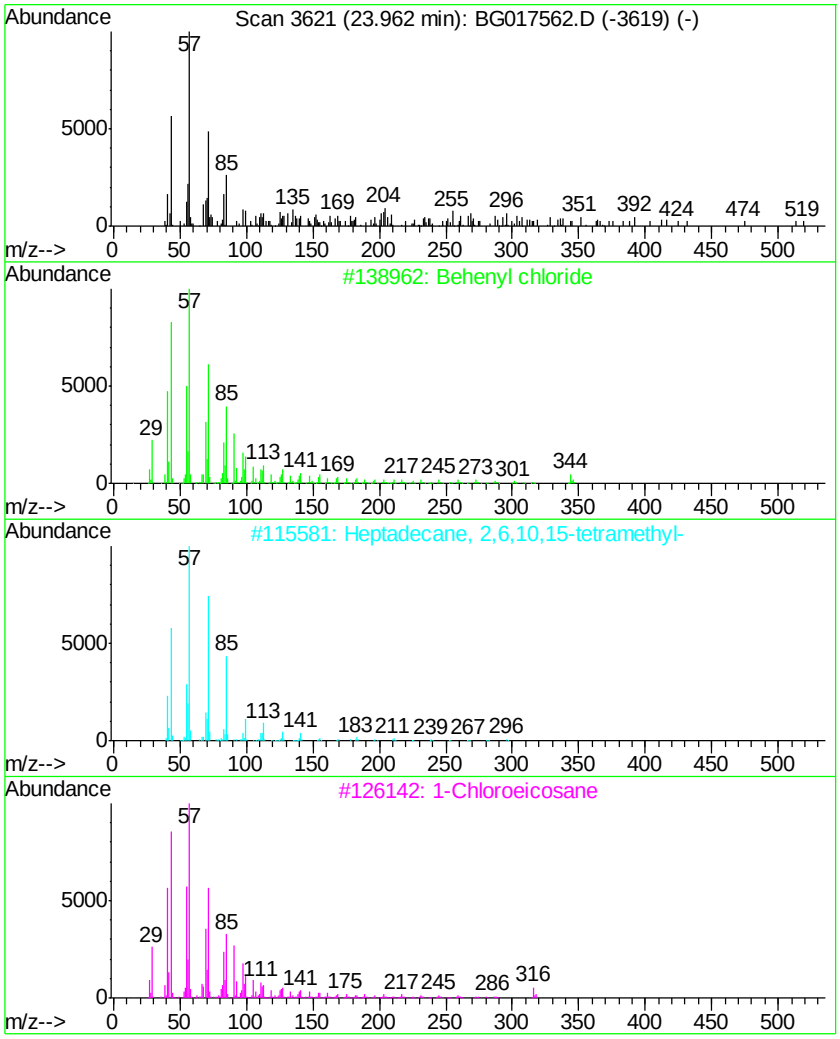
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

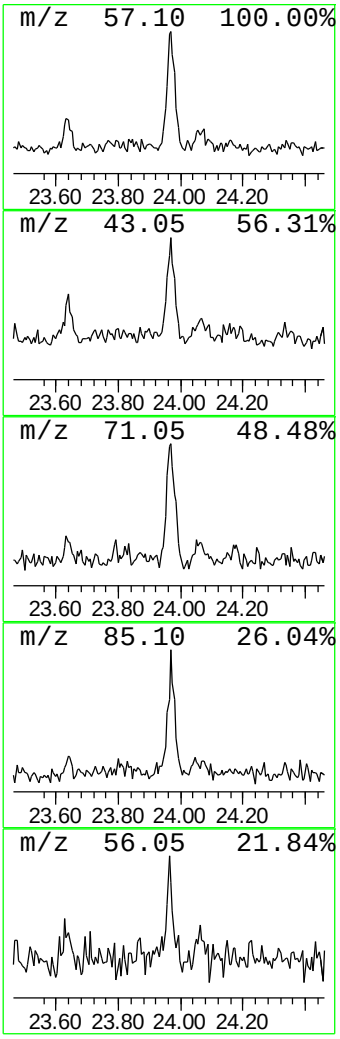
****

Peak Number 10 Behenyl chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.96	6.11 ng	107444	Perylene-d12	23.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenyl chloride	344	C22H45Cl	042217-03-8	70
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
3	1-Chloroeicosane	316	C20H41Cl	042217-02-7	70
4	Octane, 2-methyl-	128	C9H20	003221-61-2	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017562.D
Acq On : 9 Jun 2015 6:37
Operator : TP/IZ
Sample : G2450-32 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : AVE-E-NBS13.1(3)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Butane, 2-methoxy...	2.74	5.0	ng	41092	1	7.60	163231	20.0
2-Pentanone, 4-hy...	4.71	2.3	ng	18496	1	7.60	163231	20.0
unknown7.15	7.15	48.8	ng	397847	1	7.60	163231	20.0
n-Hexadecanoic acid	17.93	5.5	ng	95194	4	17.02	348326	20.0
Cyclotetradecane	20.93	4.0	ng	106691	5	21.22	532227	20.0
unknown23.64	23.64	3.1	ng	55279	6	23.45	351986	20.0
Behenyl chloride	23.96	6.1	ng	107444	6	23.45	351986	20.0