LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022120\
Data File : BP001845.D
Acq On : 22 Feb 2020 04:03
Operator : CG/JU
Sample : L1506-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : DBCZ6

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_P\METHODS\SOM-EPA-BP021820MA.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	2.923	3	6	25	rVB	798341	1203976	8.18%	0.857%
2	3.170	44	48	61	rVB	107520	164837	1.12%	0.117%
3	3.452	93	96	104	rBV	11425	23487	0.16%	0.017%
4	3.899	168	172	179	rVB	10789	18231	0.12%	0.013%
5	4.387	252	255	262	rVB2	10182	16921	0.11%	0.012%
6	4.799	320	325	331	rBV2	23683	37394	0.25%	0.027%
7	6.828	663	670	685	rBV	1907428	3198701	21.73%	2.278%
8	6.993	691	698	713	rVB	1649983	2532422	17.20%	1.803%
9	7.187	724	731	741	rBV	2130310	3435353	23.33%	2.446%
10	7.652	803	810	819	rBV	1240115	1962860	13.33%	1.398%
11	7.734	819	824	831	rVB	17067	27065	0.18%	0.019%
12	8.358	923	930	943	rBV	2522942	3949241	26.82%	2.812%
13	8.793	994	1004	1017	rBV	1946230	3193043	21.69%	2.274%
14	9.287	1081	1088	1095	rBV	66858	106141	0.72%	0.076%
15	9.516	1119	1127	1134	rBV	1637953	2712396	18.42%	1.931%
16	10.052	1209	1218	1235	rBV	2776031	4573886	31.07%	3.257%
17	10.428	1274	1282	1290	rBV	1787574	2947427	20.02%	2.099%
18	10.557	1296	1304	1318	rBV	2613045	4423925	30.05%	3.150%
19	12.022	1547	1553	1562	rVB	49343	83457	0.57%	0.059%
20	13.040	1721	1726	1731	rBV2	47129	76263	0.52%	0.054%
21	13.093	1731	1735	1739	rVB4	20055	29923	0.20%	0.021%
22	13.210	1747	1755	1760	rBV2	44953	86170	0.59%	0.061%
23	13.704	1832	1839	1844	rBV	4933579	6716919	45.62%	4.783%
24	13.751	1844	1847	1855	rVB	600786	758383	5.15%	0.540%
25	13.910	1868	1874	1878	rBV4	18055	29473	0.20%	0.021%
26	13.981	1878	1886	1900	rVV	5525136	8517733	57.85%	6.065%
27	14.287	1931	1938	1947	rBV	2898713	4229301	28.73%	3.011%
28	14.375	1947	1953	1957	rBV5	45090	73320	0.50%	0.052%
29	14.422	1957	1961	1966	rVB6	26194	43437	0.30%	0.031%
30	14.487	1966	1972	1983	rBV	2154169	3137423	21.31%	2.234%
31	14.628	1992	1996	1999	rBV	15033	19092	0.13%	0.014%
32	14.716	2006	2011	2022	rVB2	42749	72056	0.49%	0.051%
33	14.940	2046	2049	2058	rVB7	7866	15187	0.10%	0.011%
34	15.122	2076	2080	2084	rBV4	12500	16244	0.11%	0.012%

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Misc :
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Instrument : BNA_P
ClientSampleId : DBCZ6

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Title : SVOA CALIBRATION

35	15.187	2086	2091	2097	rBV4	20290	31528	0.21%	0.022%
36	15.287	2100	2108	2116	rBV	7258383	10483948	71.21%	7.465%
37	15.404	2121	2128	2142	rBV	2036140	2797245	19.00%	1.992%
38	15.528	2144	2149	2157	rVB	92519	132904	0.90%	0.095%
39	16.092	2239	2245	2252	rVB2	70182	132659	0.90%	0.094%
40	16.475	2306	2310	2320	rBV3	29367	49499	0.34%	0.035%
41	16.722	2349	2352	2357	rVB3	16268	22145	0.15%	0.016%
42	16.828	2365	2370	2378	rBV3	17107	44659	0.30%	0.032%
43	17.039	2400	2406	2412	rBV	3834000	5330982	36.21%	3.796%
44	17.139	2416	2423	2435	rVB2	7548768	11136196	75.64%	7.929%
45	17.245	2437	2441	2449	rVV4	39864	59681	0.41%	0.042%
46	17.410	2463	2469	2472	rBV4	14162	25744	0.17%	0.018%
47	17.839	2537	2542	2549	rBV	66468	118438	0.80%	0.084%
48	17.916	2551	2555	2558	rBV5	19539	29209	0.20%	0.021%
49	17.969	2558	2564	2570	rBV	775487	1188647	8.07%	0.846%
50	18.251	2608	2612	2621	rBV2	43221	71453	0.49%	0.051%
51	18.369	2629	2632	2640	rVB10	19899	35828	0.24%	0.026%
52	18.798	2702	2705	2711	rVB5	44735	60562	0.41%	0.043%
53	18.869	2715	2717	2723	rVB2	18239	23502	0.16%	0.017%
54	19.028	2740	2744	2747	rBV	106567	155234	1.05%	0.111%
55	19.057	2747	2749	2758	rVB	116564	162895	1.11%	0.116%
56	19.204	2770	2774	2781	rBV	98654	158093	1.07%	0.113%
57	19.275	2782	2786	2795	rVB	105809	156371	1.06%	0.111%
58	19.386	2799	2805	2819	rVB2	9934105	13965050	94.85%	9.944%
59	19.910	2891	2894	2897	rVB2	31037	36518	0.25%	0.026%
60	20.875	3053	3058	3067	rBV	1350975	1734131	11.78%	1.235%
61	21.069	3089	3091	3095	rBV	42669	50590	0.34%	0.036%
62	21.133	3096	3102	3107	rBV	5067634	6613034	44.92%	4.709%
63	21.251	3118	3122	3128	rBV	245883	360627	2.45%	0.257%
64	21.310	3130	3132	3140	rVB2	116468	131163	0.89%	0.093%
65	21.751	3203	3207	3212	rBV3	203335	307348	2.09%	0.219%
66	22.192	3278	3282	3283	rBV	221599	293081	1.99%	0.209%
67	22.333	3301	3306	3316	rVB	1426052	1876601	12.75%	1.336%
68	22.622	3351	3355	3360	rVB	109907	166104	1.13%	0.118%
69	22.716	3367	3371	3386	rVB	347033	637822	4.33%	0.454%
70	23.210	3447	3455	3463	rBV	7782875	14722974	100.00%	10.483%
71	23.286	3464	3468	3472	rVV	321781	546202	3.71%	0.389%

LSC Area Percent Report

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Instrument : BNA_P
ClientSampleId : DBCZ6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Title : SVOA CALIBRATION

72	23.345	3472	3478	3490	rVB	3604711	6671263	45.31%	4.750%
73	23.939	3574	3579	3586	rVV	325613	610518	4.15%	0.435%
74	24.010	3587	3591	3603	rVB	207533	415770	2.82%	0.296%
75	24.692	3703	3707	3715	rVB2	234726	464847	3.16%	0.331%

Sum of corrected areas: 140442752

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Misc :
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Instrument : BNA_P
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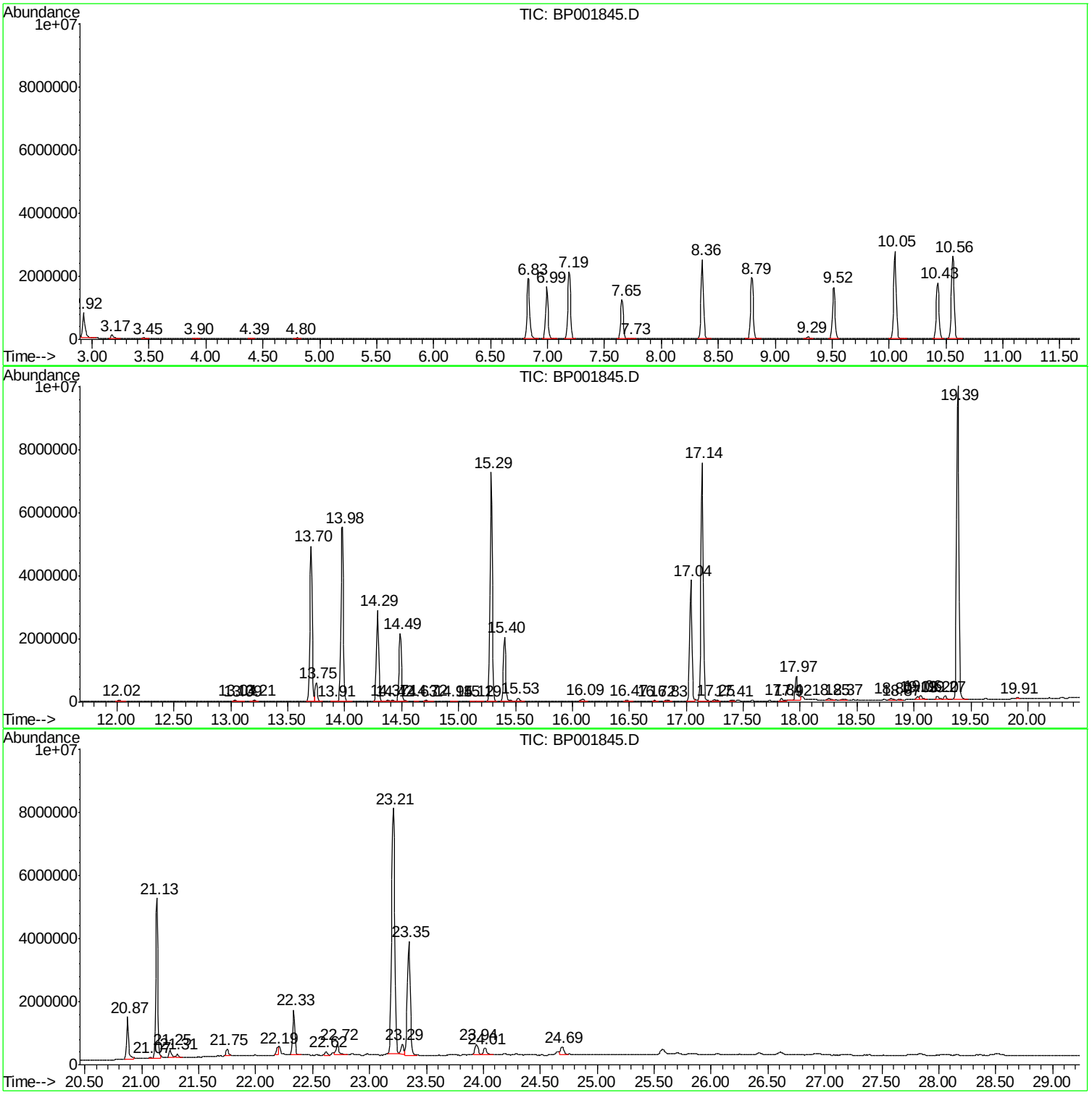
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

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

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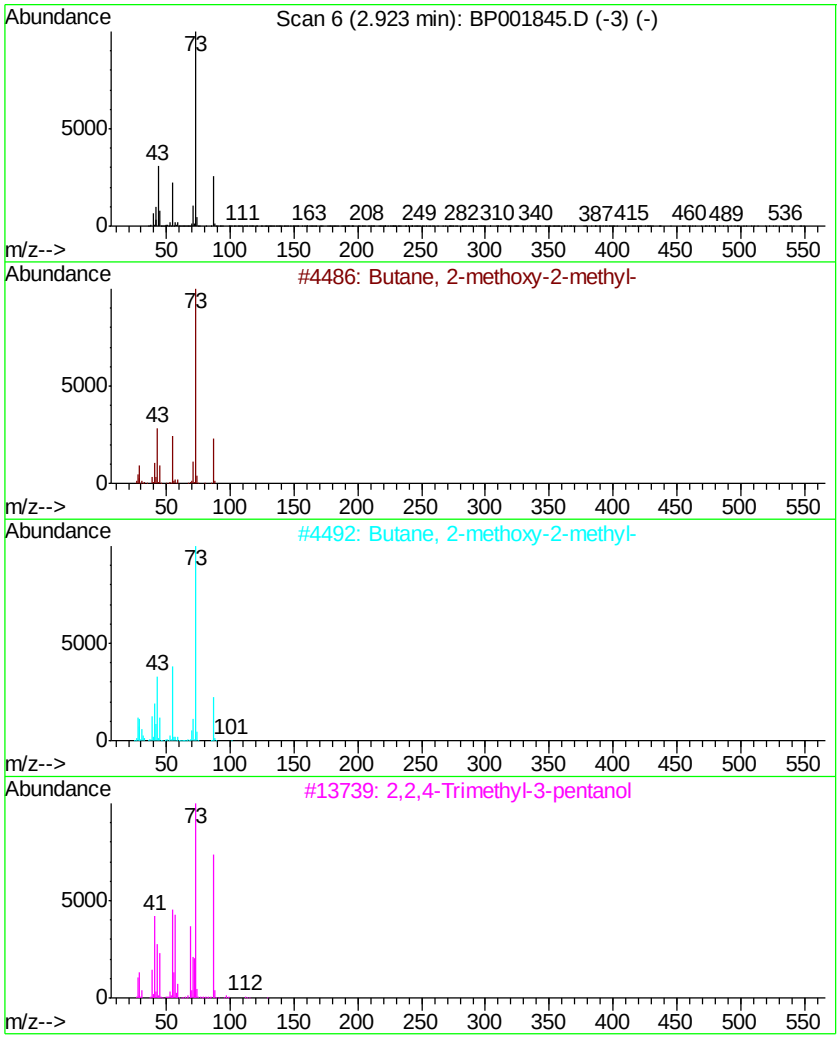
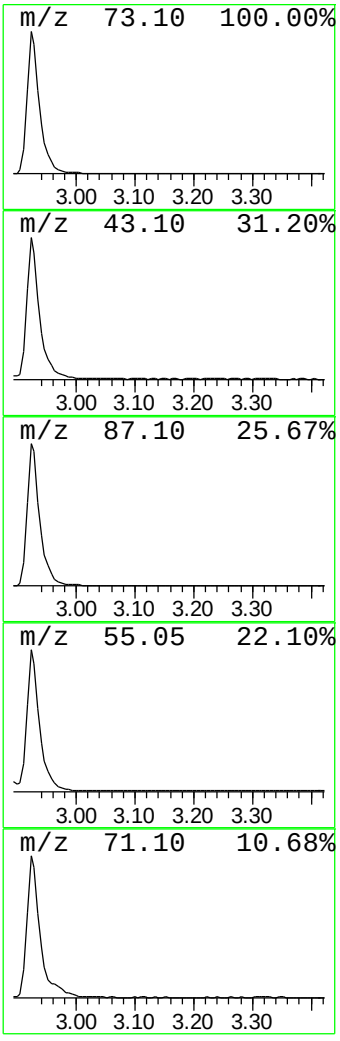
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	12.27 ng/ul	1203980	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17





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Instrument : BNA_P
ClientSampleId : DBCZ6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

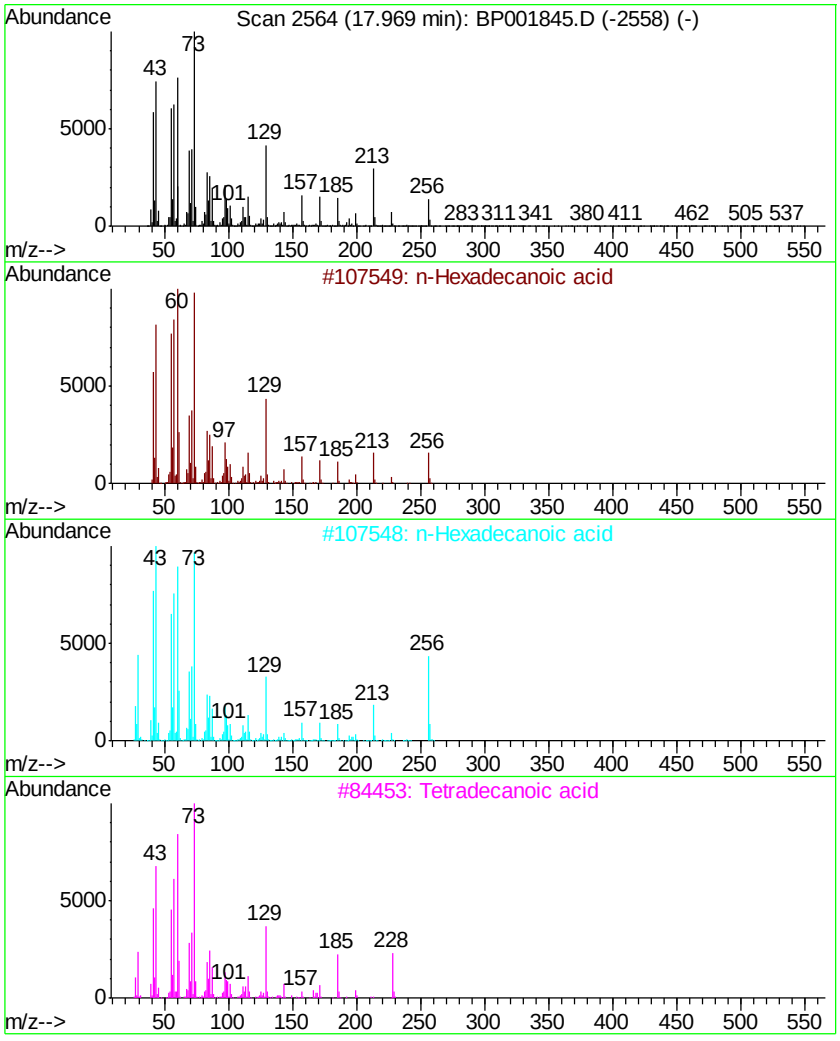
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

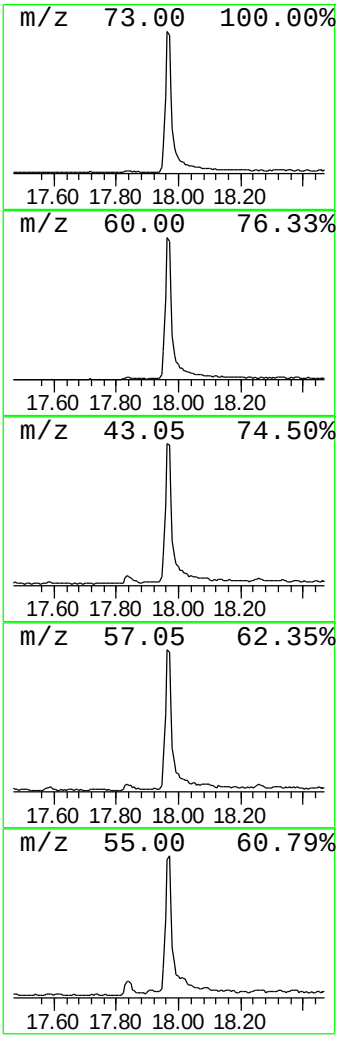
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.46 ng/ul	1188650	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	90





Library Search Compound Report

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Instrument : BNA_P
ClientSampleId : DBCZ6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

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

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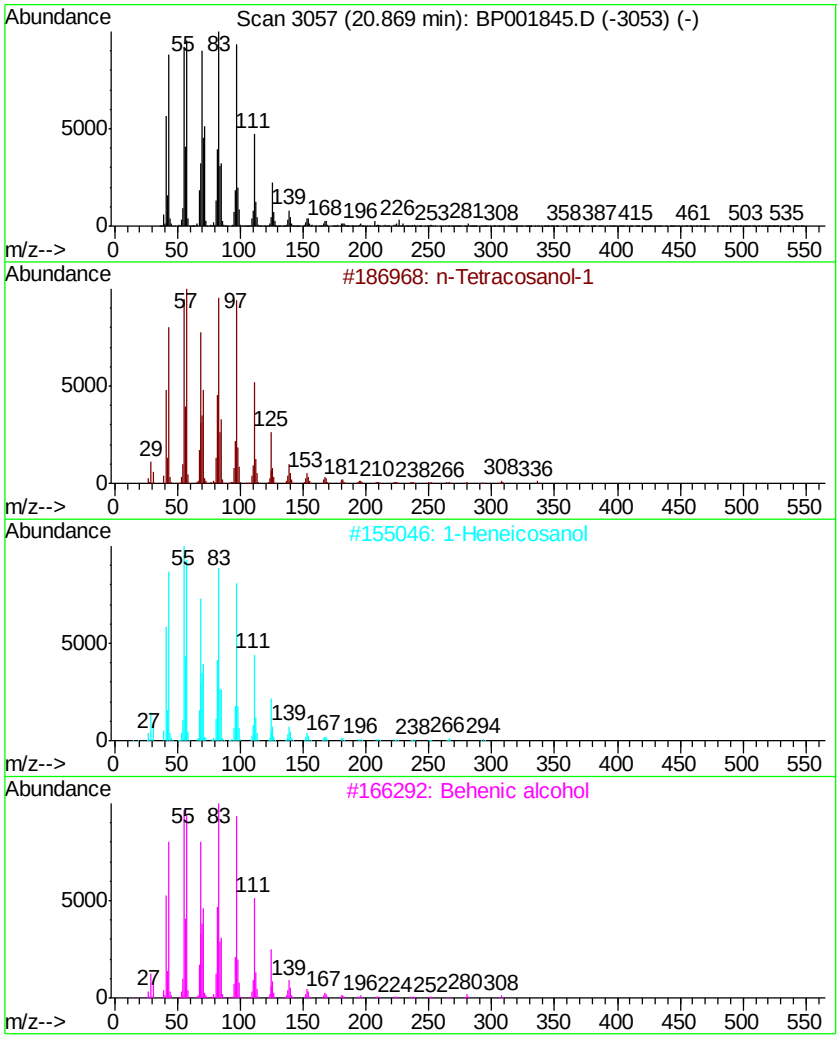
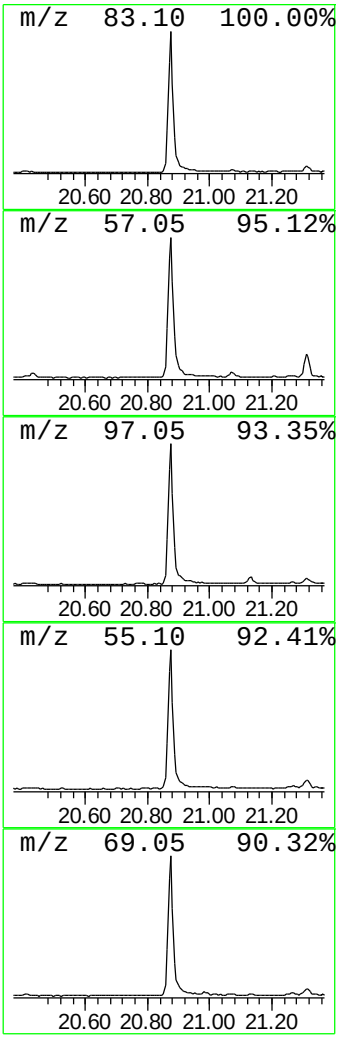
Peak Number 3 n-Tetracosanol-1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	5.24 ng/ul	1734130	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	Behenic alcohol	326	C22H46O	000661-19-8	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93





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Quant Title : SVOA CALIBRATION

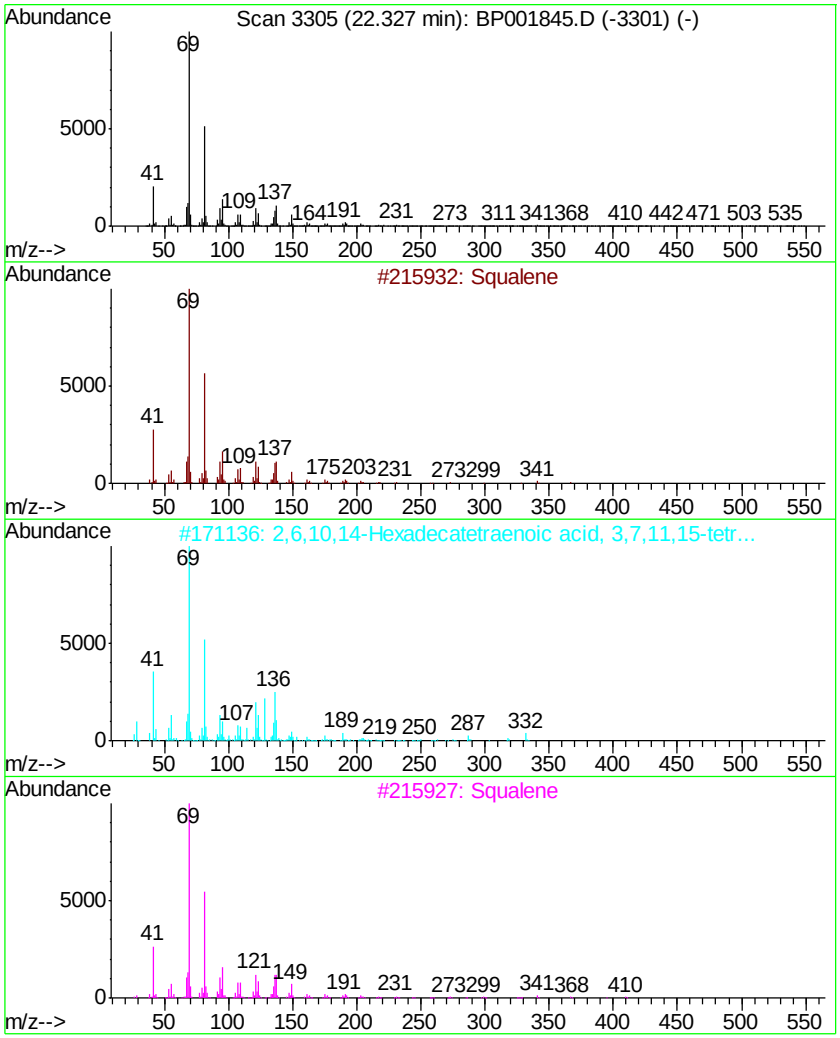
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

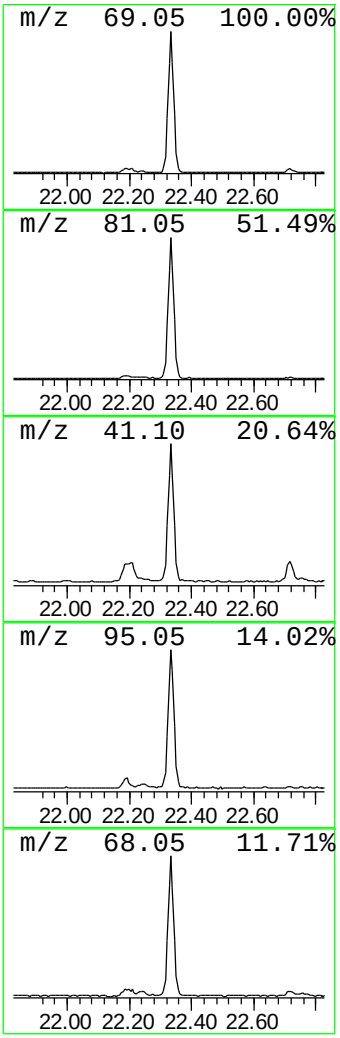
****

Peak Number 4 Squalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	5.63 ng/ul	1876600	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	94
2	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	91
3	Squalene	410	C30H50	000111-02-4	91
4	Supraene	410	C30H50	007683-64-9	91
5	Squalene	410	C30H50	000111-02-4	91





Tentatively Identified Compound (LSC) summary

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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...	2.92	12.3	ng/ul	1203980	1	7.65	1962860	20.0
n-Hexadecanoic acid	17.97	4.5	ng/ul	1188650	4	17.04	5330980	20.0
n-Tetracosanol-1	20.87	5.2	ng/ul	1734130	5	21.13	6613030	20.0
Squalene	22.33	5.6	ng/ul	1876600	6	23.34	6671260	20.0