LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.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	4.751	363	368	377	rVB	79515	117755	1.75%	0.120%
2	6.798	708	716	717	rBV	464240	677674	10.04%	0.688%
3	6.822	717	720	734	rVV	673439	1092132	16.19%	1.109%
4	6.951	736	742	753	rVB	339381	538098	7.98%	0.547%
5	7.145	769	775	788	rBV	431100	722900	10.71%	0.734%
6	7.610	845	854	863	rBV	412109	690508	10.23%	0.701%
7	8.322	969	975	992	rVB	506658	879335	13.03%	0.893%
8	8.763	1043	1050	1054	rBV	408423	723478	10.72%	0.735%
9	8.804	1054	1057	1074	rVB	548855	934754	13.85%	0.949%
10	9.322	1137	1145	1162	rBV	1023866	1711961	25.37%	1.739%
11	9.481	1165	1172	1182	rVV	250507	440415	6.53%	0.447%
12	10.045	1254	1268	1290	rBV2	1194815	2949037	43.71%	2.995%
13	10.386	1316	1326	1330	rBV	560188	1008260	14.94%	1.024%
14	10.439	1330	1335	1346	rVV	1474645	2521967	37.38%	2.561%
15	10.533	1346	1351	1364	rVB	142838	288608	4.28%	0.293%
16	12.686	1711	1717	1735	rBV	1268445	2130431	31.58%	2.164%
17	13.133	1786	1793	1807	rVB	1830160	2989315	44.31%	3.036%
18	13.674	1879	1885	1890	rBV	1076346	1584000	23.48%	1.609%
19	13.722	1890	1893	1902	rVB	400008	596620	8.84%	0.606%
20	13.957	1923	1933	1943	rBV	1138591	1784633	26.45%	1.813%
21	14.263	1976	1985	1998	rVB2	812539	1315880	19.50%	1.336%
22	14.498	2019	2025	2038	rBV	280977	551666	8.18%	0.560%
23	15.098	2118	2127	2146	rBV	2337219	3440164	50.99%	3.494%
24	15.263	2148	2155	2163	rBV	1651149	2486987	36.86%	2.526%
25	15.410	2175	2180	2189	rBV	116534	184286	2.73%	0.187%
26	15.533	2191	2201	2213	rBV	1676855	2416592	35.82%	2.454%
27	15.986	2273	2278	2287	rBV2	68113	134161	1.99%	0.136%
28	16.327	2330	2336	2345	rBV	1449027	2145973	31.81%	2.180%
29	16.486	2358	2363	2375	rBV	1740114	2481308	36.78%	2.520%
30	16.780	2408	2413	2418	rBV	70839	103188	1.53%	0.105%
31	16.833	2418	2422	2427	rVV2	57893	86103	1.28%	0.087%
32	17.015	2446	2453	2457	rBV	1067082	1696704	25.15%	1.723%
33	17.062	2457	2461	2466	rVV	2535103	3733269	55.33%	3.792%
34	17.115	2466	2470	2481	rVB2	2056347	2968451	44.00%	3.015%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Title : SVOA CALIBRATION

35	17.427	2517	2523	2534	rBV	3639848	5207674	77.19%	5.289%
36	17.933	2603	2609	2615	rBV	102720	177486	2.63%	0.180%
37	19.421	2856	2862	2874	rBV	2531452	3509143	52.01%	3.564%
38	20.356	3016	3021	3031	rBV	2990265	3482552	51.62%	3.537%
39	20.939	3116	3120	3126	rBV3	237528	441436	6.54%	0.448%
40	20.997	3126	3130	3139	rVB	304901	413941	6.14%	0.420%
41	21.221	3162	3168	3170	rBV	1574439	2047225	30.34%	2.079%
42	21.256	3170	3174	3181	rVB	3879800	5070032	75.15%	5.149%
43	22.003	3295	3301	3312	rBV	4759799	6159091	91.29%	6.256%
44	22.368	3359	3363	3372	rVB	206780	303408	4.50%	0.308%
45	22.768	3423	3431	3435	rBV	3500896	6746762	100.00%	6.852%
46	22.809	3435	3438	3446	rVB	2859919	4394538	65.14%	4.463%
47	23.191	3499	3503	3510	rVB	189432	324418	4.81%	0.330%
48	23.286	3512	3519	3529	rVB2	1917396	3630315	53.81%	3.687%
49	23.421	3536	3542	3549	rBV2	998763	1952741	28.94%	1.983%
50	23.915	3622	3626	3632	rVB	157161	272799	4.04%	0.277%
51	26.315	4023	4034	4049	rVB	2008706	6197366	91.86%	6.294%

Sum of corrected areas: 98457540

LSC Report - Integrated Chromatogram

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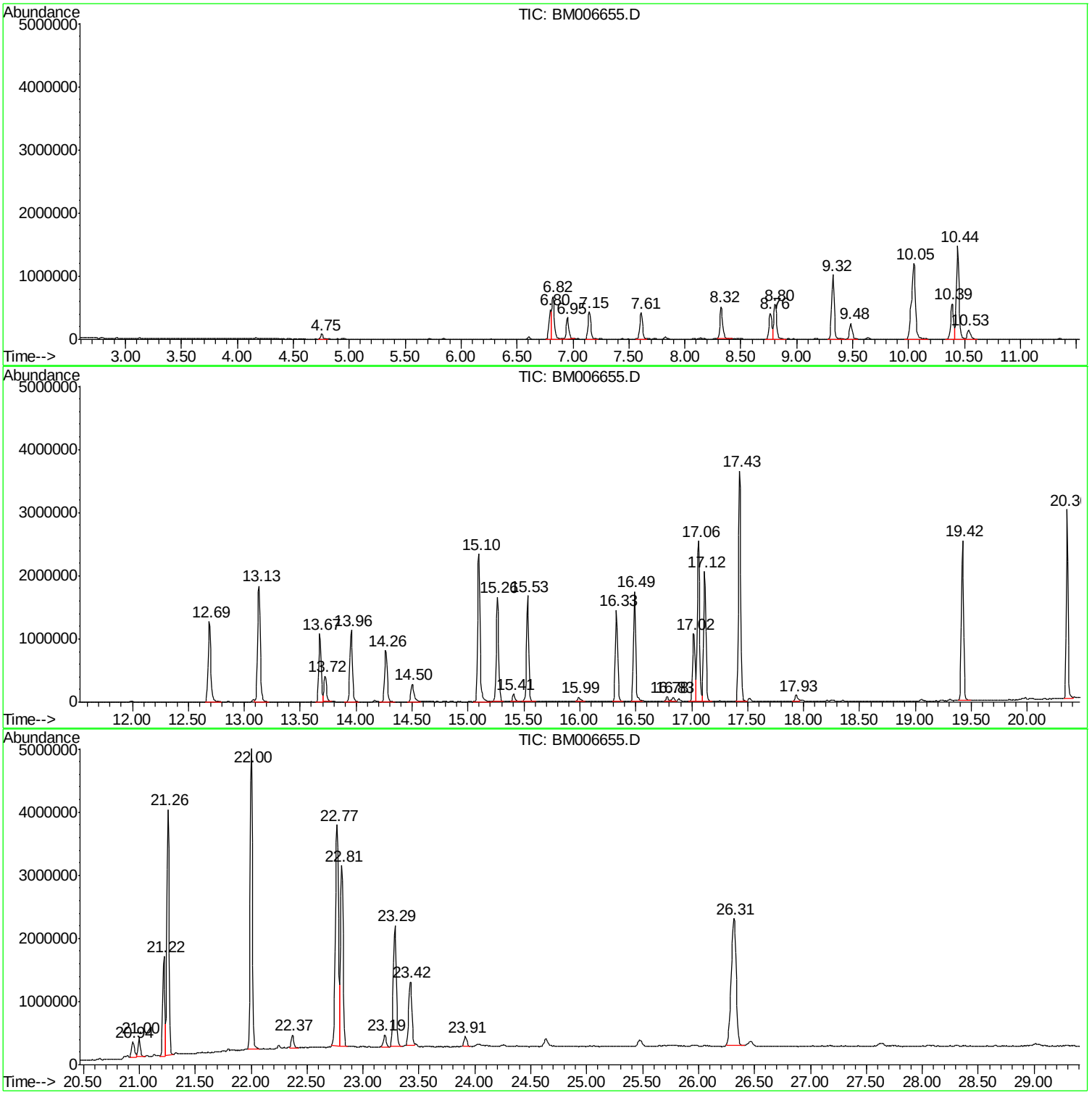
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

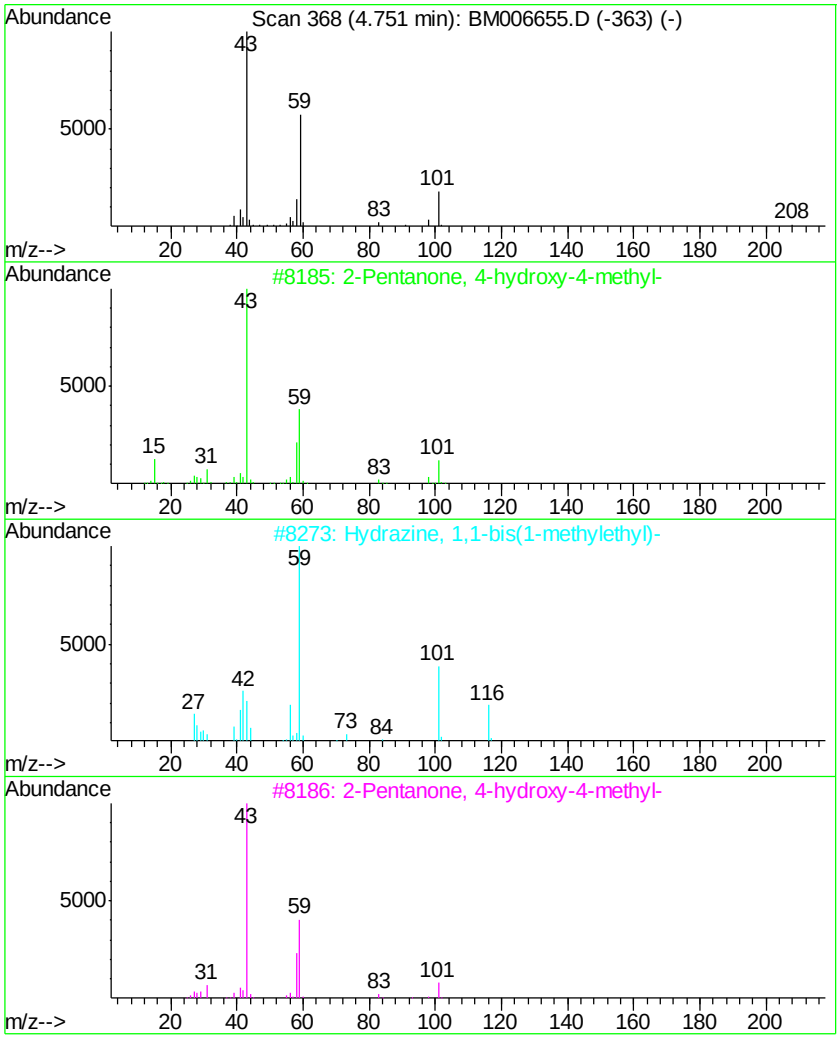
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

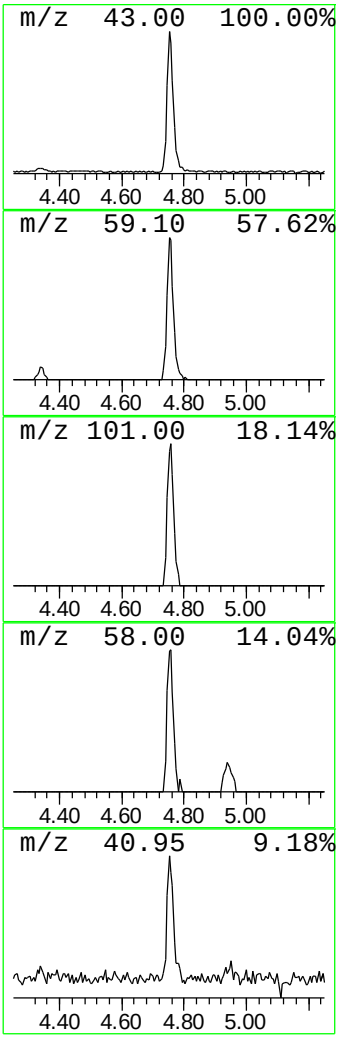
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	3.41 ng/ul	117755	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	37
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





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Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

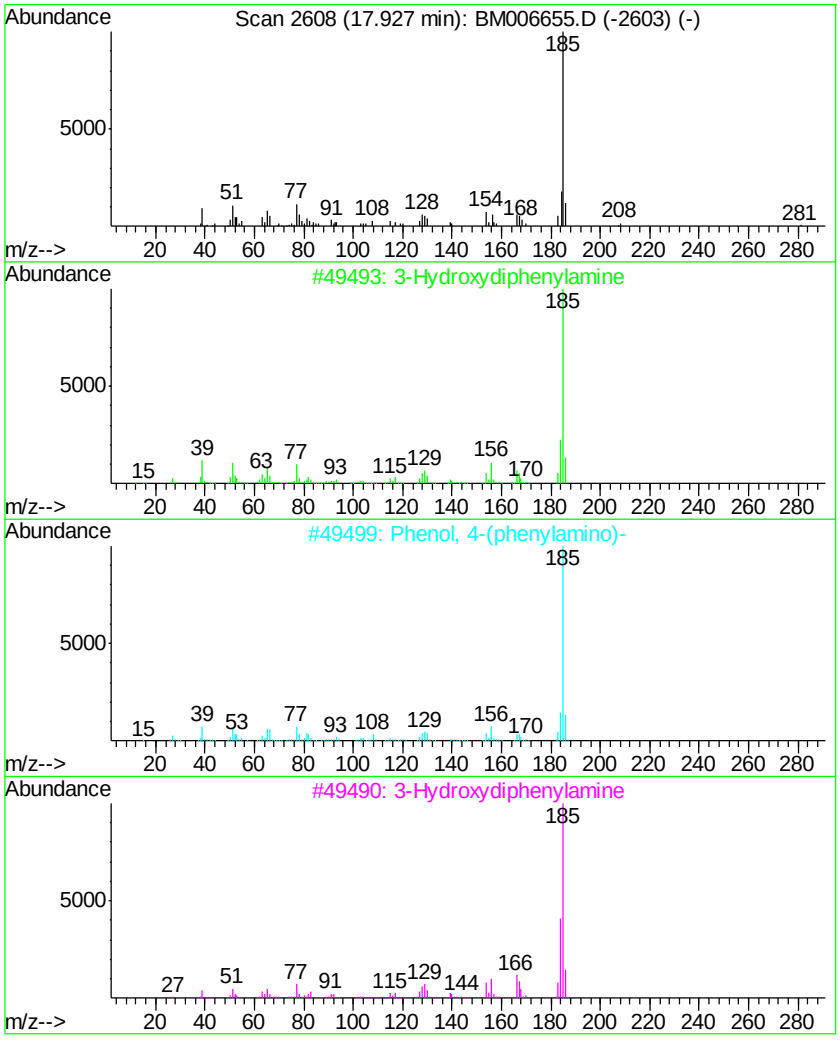
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

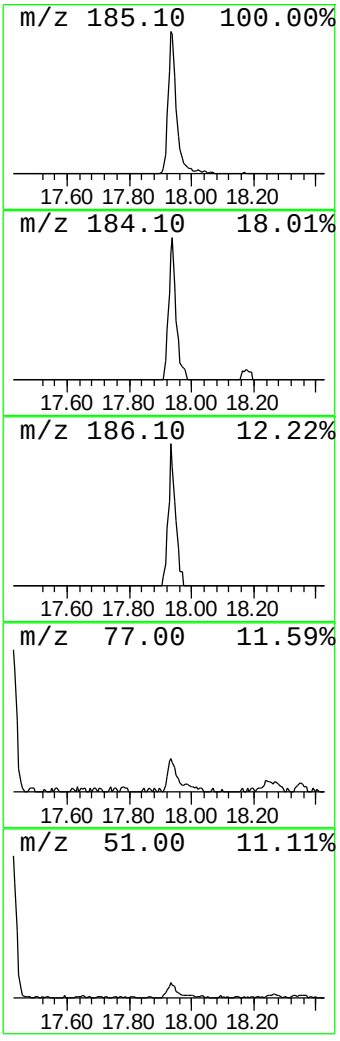
****

Peak Number 2 3-Hydroxydiphenylamine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	2.09 ng/ul	177486	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxydiphenylamine	185	C12H11NO	000101-18-8	97
2	Phenol, 4-(phenylamino)-	185	C12H11NO	000122-37-2	96
3	3-Hydroxydiphenylamine	185	C12H11NO	000101-18-8	81
4	3-Hydroxydiphenylamine	185	C12H11NO	000101-18-8	74
5	Acetic acid, 4-(acetylphenylamin...	269	C16H15NO3	1000338-34-0	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

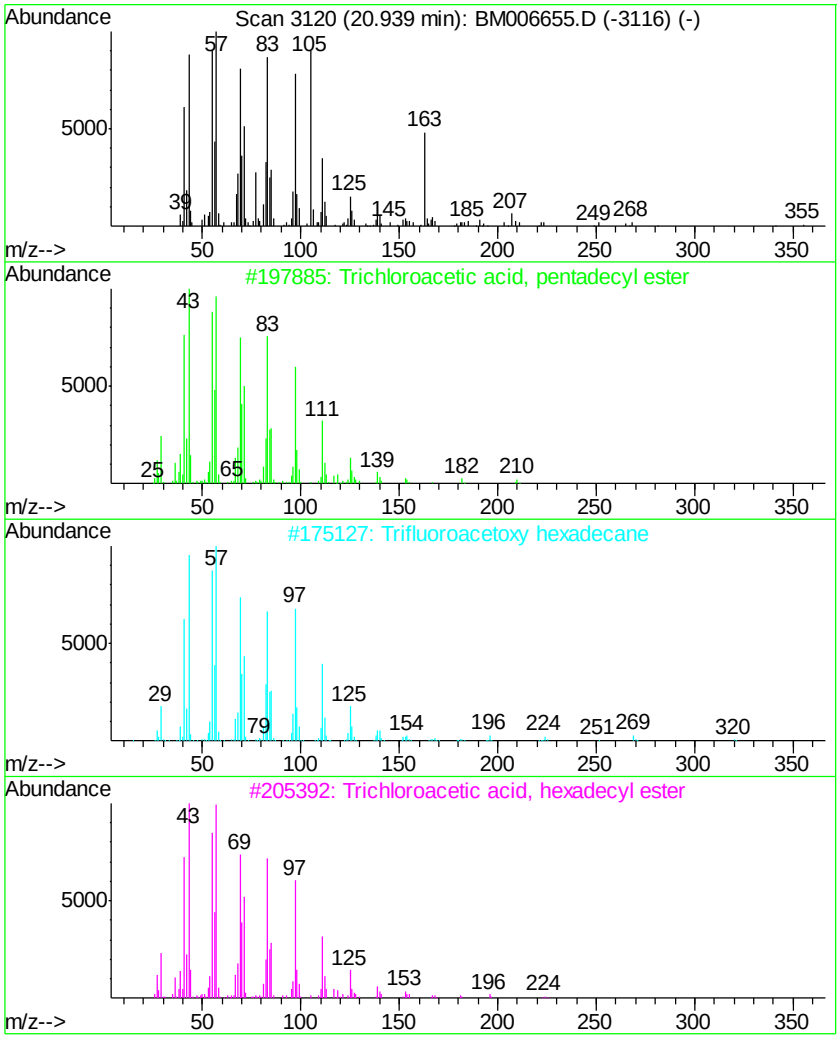
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

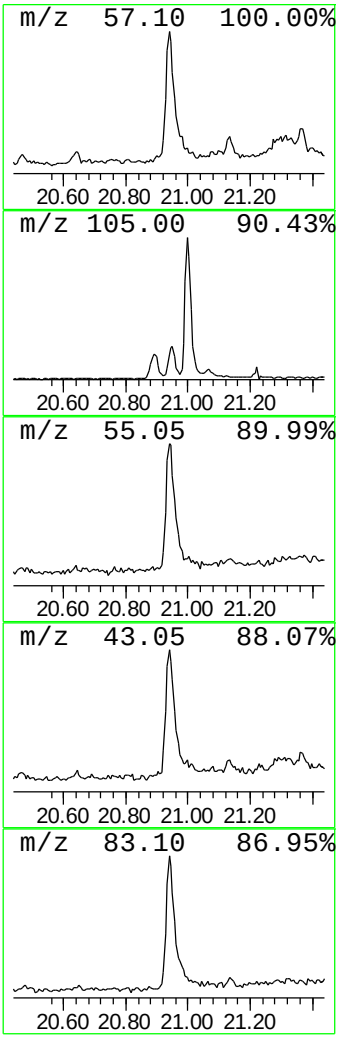
****

Peak Number 3 Trichloroacetic acid, penta... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	4.31 ng/ul	441436	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93





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Data File : BM006655.D
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Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

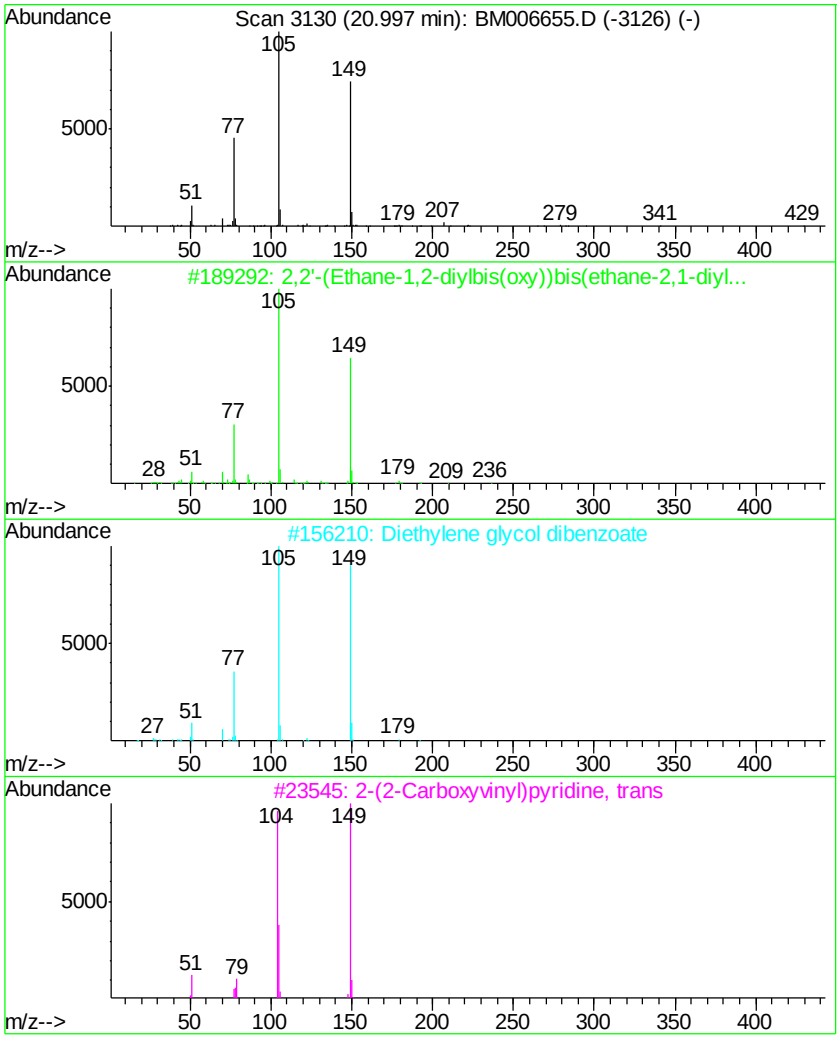
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

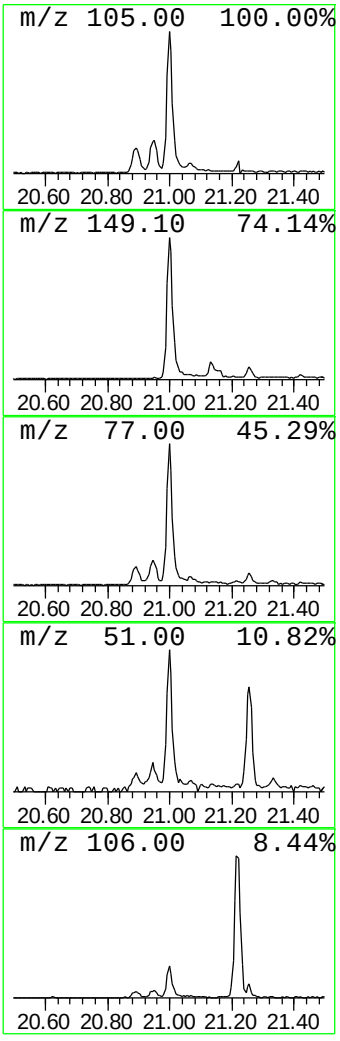
****

Peak Number 4 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.04 ng/ul	413941	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	83
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	64
3	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	53
4	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	43
5	Hexestrol dimethyl ether	298	C20H26O2	000130-78-9	38





Library Search Compound Report

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Acq On : 26 Jul 2016 18:33
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Sample : H4068-07
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Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

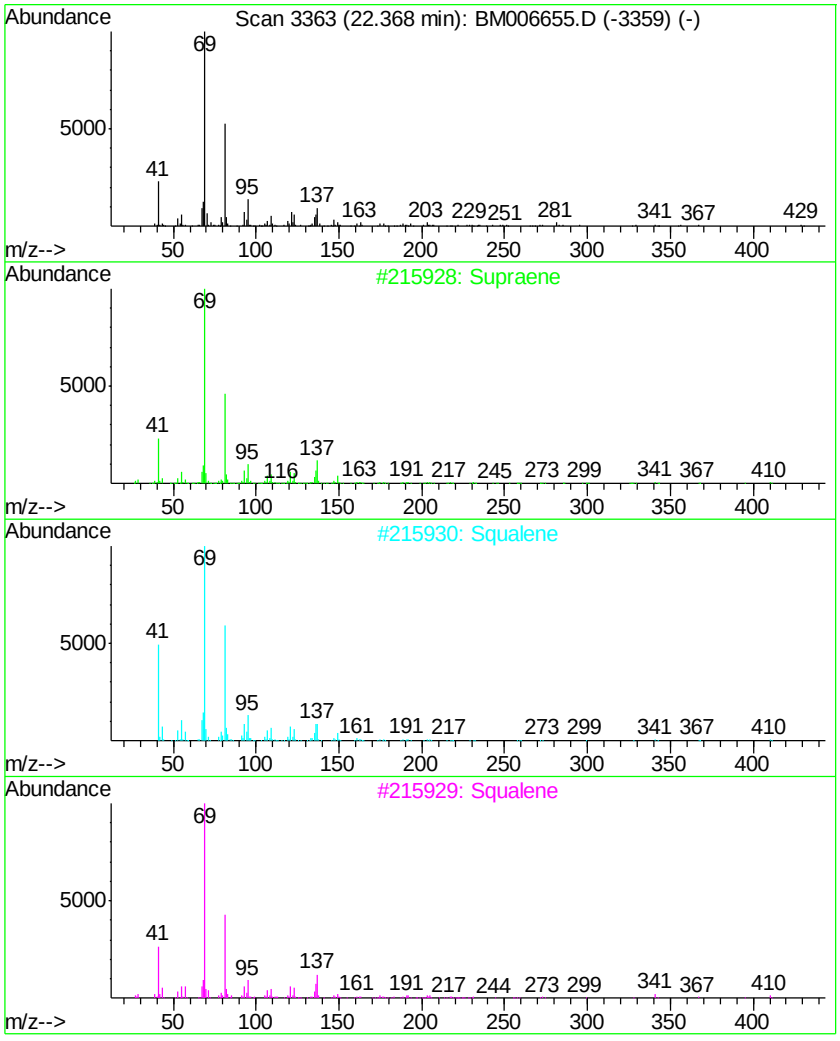
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

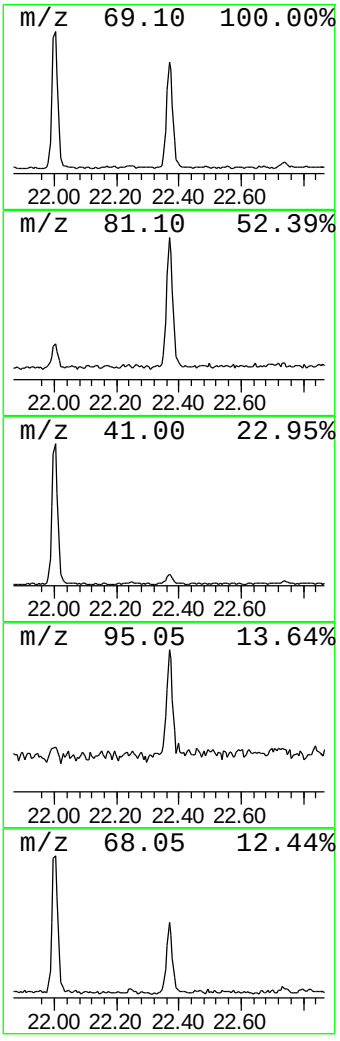
****

Peak Number 5 Supraene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	3.11 ng/ul	303408	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	Squalene	410	C30H50	000111-02-4	91
3	Squalene	410	C30H50	000111-02-4	90
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	78
5	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72





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Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

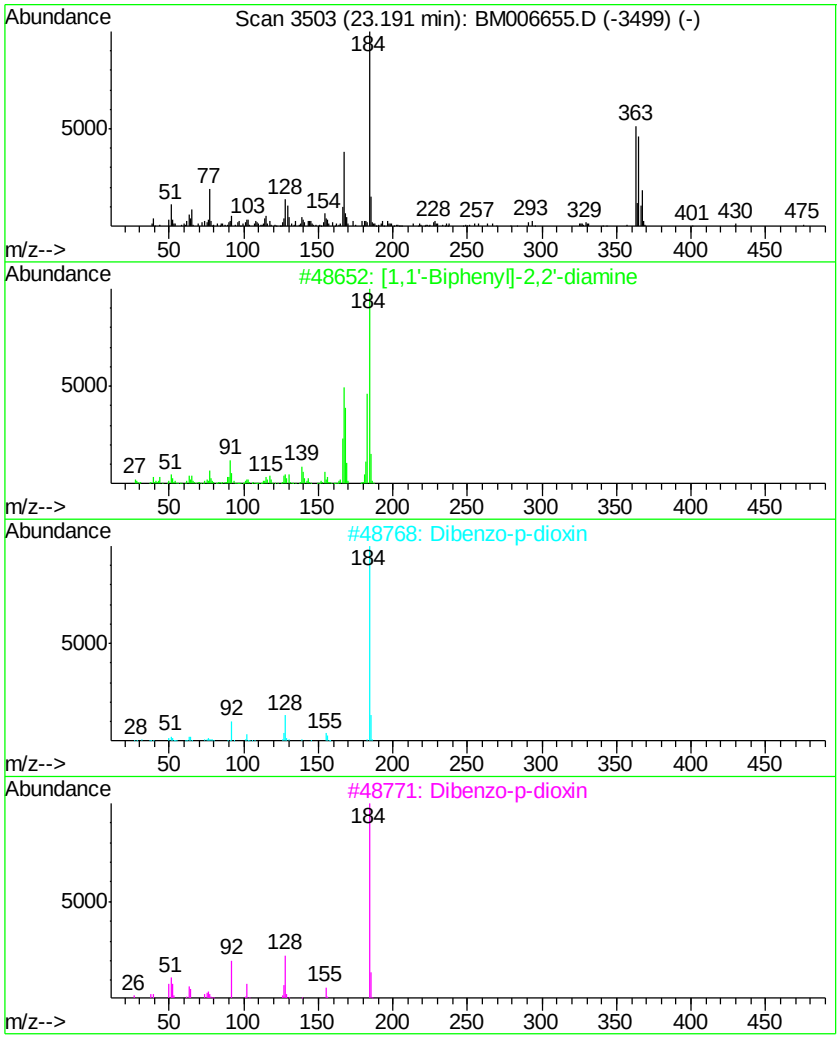
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

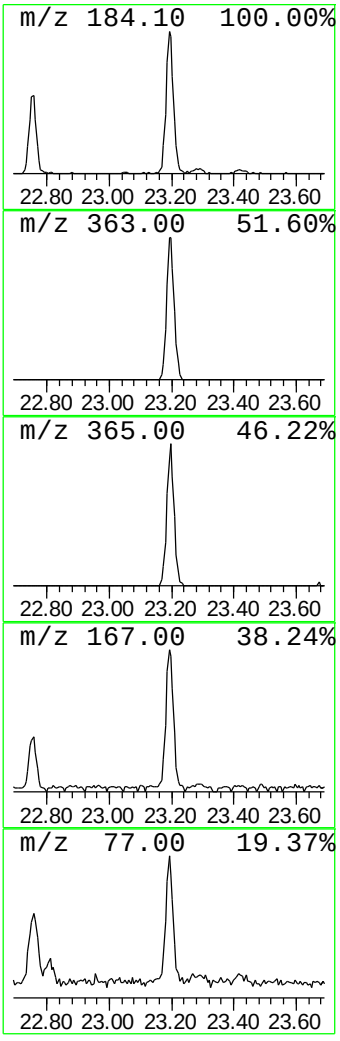
****

Peak Number 6 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	3.32 ng/ul	324418	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2,2'-diamine	184	C12H12N2	001454-80-4	38
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	38
3	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	30
4	Benzidine	184	C12H12N2	000092-87-5	30
5	Pyrimidine, 5-ethoxy-2-methyl-4-...	184	C8H12N2OS	035231-62-0	25





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Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

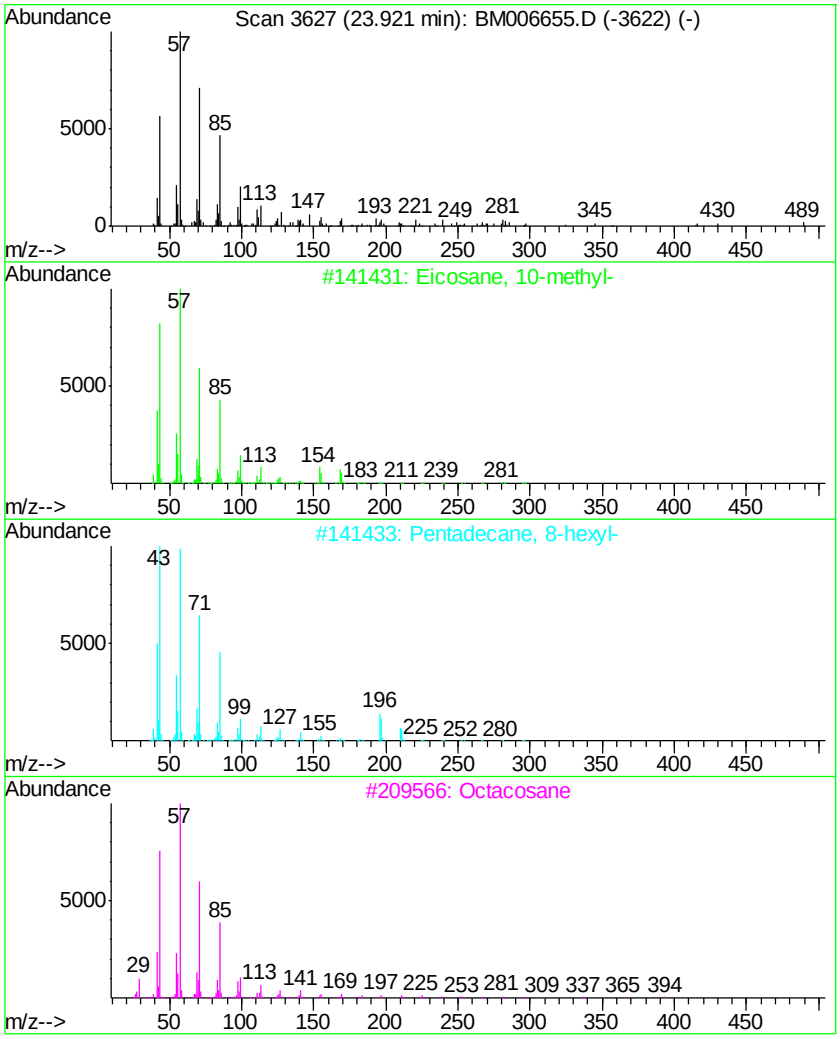
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

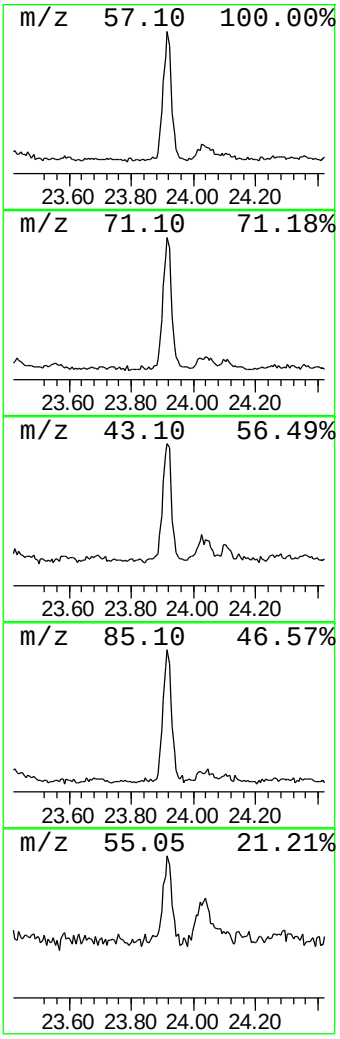
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.92	2.79 ng/ul	272799	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
3	Octacosane	394	C28H58	000630-02-4	87
4	Pentacosane	352	C25H52	000629-99-2	87
5	Tetracosane	338	C24H50	000646-31-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006655.D
Acq On : 26 Jul 2016 18:33
Operator : UM/SJ
Sample : H4068-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2552

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.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
2-Pentanone, 4-hy...	4.75	3.4	ng/ul	117755	1	7.61	690508	20.0
3-Hydroxydiphenyl...	17.93	2.1	ng/ul	177486	4	17.02	1696700	20.0
Trichloroacetic a...	20.94	4.3	ng/ul	441436	5	21.22	2047230	20.0
2,2'-(Ethane-1,2-...	21.00	4.0	ng/ul	413941	5	21.22	2047230	20.0
Supraene	22.37	3.1	ng/ul	303408	6	23.42	1952740	20.0
unknown-01	23.19	3.3	ng/ul	324418	6	23.42	1952740	20.0
(DEL) Alkane: Str...	23.92	2.8	ng/ul	272799	6	23.42	1952740	20.0