LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

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-BM082316.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	6.487	657	663	670	rVB	90585	142450	1.66%	0.164%
2	6.963	736	744	758	rBV	807506	1389373	16.19%	1.599%
3	7.128	760	772	781	rBV	674356	1058355	12.33%	1.218%
4	7.234	784	790	799	rVB	179610	291321	3.39%	0.335%
5	7.328	799	806	814	rBV	885879	1442126	16.80%	1.659%
6	7.792	878	885	897	rVB	704835	1144416	13.33%	1.317%
7	8.492	995	1004	1020	rBV	1041783	1716506	20.00%	1.975%
8	8.945	1074	1081	1094	rBV	951423	1588740	18.51%	1.828%
9	9.063	1094	1101	1106	rBV	52441	87830	1.02%	0.101%
10	9.663	1196	1203	1215	rBV	852988	1451385	16.91%	1.670%
11	10.198	1287	1294	1306	rBV	1350829	2286620	26.64%	2.631%
12	10.575	1350	1358	1366	rBV	1132362	1924386	22.42%	2.214%
13	10.716	1371	1382	1401	rBV	932914	1743948	20.32%	2.007%
14	13.157	1791	1797	1804	rBV	207061	337637	3.93%	0.389%
15	13.292	1814	1820	1828	rBV3	338744	525232	6.12%	0.604%
16	13.833	1905	1912	1916	rBV	2819784	3977780	46.35%	4.577%
17	13.880	1916	1920	1929	rVB	1655432	2310393	26.92%	2.658%
18	14.116	1953	1960	1975	rVB	3036930	4536678	52.86%	5.220%
19	14.421	2002	2012	2019	rBV2	1938520	3176151	37.01%	3.655%
20	14.492	2019	2024	2030	rBV	221347	344655	4.02%	0.397%
21	14.627	2041	2047	2055	rBV	1011824	1742354	20.30%	2.005%
22	14.698	2055	2059	2063	rVB	165215	243640	2.84%	0.280%
23	15.268	2152	2156	2159	rBV	79352	91147	1.06%	0.105%
24	15.310	2159	2163	2169	rVB	105237	138024	1.61%	0.159%
25	15.416	2175	2181	2193	rVB	4107775	5974159	69.61%	6.874%
26	15.539	2196	2202	2215	rBV	1322777	1938134	22.58%	2.230%
27	15.657	2217	2222	2229	rBV4	76514	150100	1.75%	0.173%
28	15.892	2255	2262	2272	rVB5	90347	199653	2.33%	0.230%
29	16.127	2299	2302	2310	rVB	108995	180687	2.11%	0.208%
30	16.204	2310	2315	2323	rBV	573540	793316	9.24%	0.913%
31	16.921	2434	2437	2440	rBV	76610	90284	1.05%	0.104%
32	17.168	2472	2479	2489	rBV	2955793	4312528	50.25%	4.962%
33	17.268	2489	2496	2504	rVB	4688561	6888618	80.27%	7.926%
34	17.545	2536	2543	2554	rBV2	215467	409381	4.77%	0.471%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

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-BM082316.M
Title : SVOA CALIBRATION

35	17.933	2603	2609	2614	rBV5	59284	114593	1.34%	0.132%
36	18.057	2625	2630	2639	rBV2	209472	297963	3.47%	0.343%
37	18.133	2639	2643	2650	rVB	47431	98470	1.15%	0.113%
38	18.239	2657	2661	2665	rBV5	66484	86929	1.01%	0.100%
39	18.351	2675	2680	2685	rBV4	113417	190698	2.22%	0.219%
40	19.198	2819	2824	2827	rBV	99814	177671	2.07%	0.204%
41	19.562	2880	2886	2892	rVB	6109618	8582265	100.00%	9.875%
42	19.809	2922	2928	2936	rVB6	99353	218951	2.55%	0.252%
43	21.050	3135	3139	3147	rBV	466173	746479	8.70%	0.859%
44	21.262	3171	3175	3183	rBV6	98532	160518	1.87%	0.185%
45	21.345	3183	3189	3199	rVV	4624976	5953960	69.38%	6.851%
46	21.927	3284	3288	3289	rBV	106819	118914	1.39%	0.137%
47	22.139	3321	3324	3329	rVB	91062	115429	1.34%	0.133%
48	22.427	3370	3373	3379	rVB	175227	245155	2.86%	0.282%
49	22.527	3386	3390	3395	rVB	75234	107691	1.25%	0.124%
50	22.903	3449	3454	3459	rBV	375306	566186	6.60%	0.651%
51	23.474	3543	3551	3558	rBV2	4179487	7971154	92.88%	9.172%
52	23.615	3568	3575	3588	rVB2	2641907	5117893	59.63%	5.889%
53	24.127	3657	3662	3672	rVB2	275837	560634	6.53%	0.645%
54	24.215	3675	3677	3688	rVB2	72488	187050	2.18%	0.215%
55	24.885	3785	3791	3807	rVB3	205648	660996	7.70%	0.761%

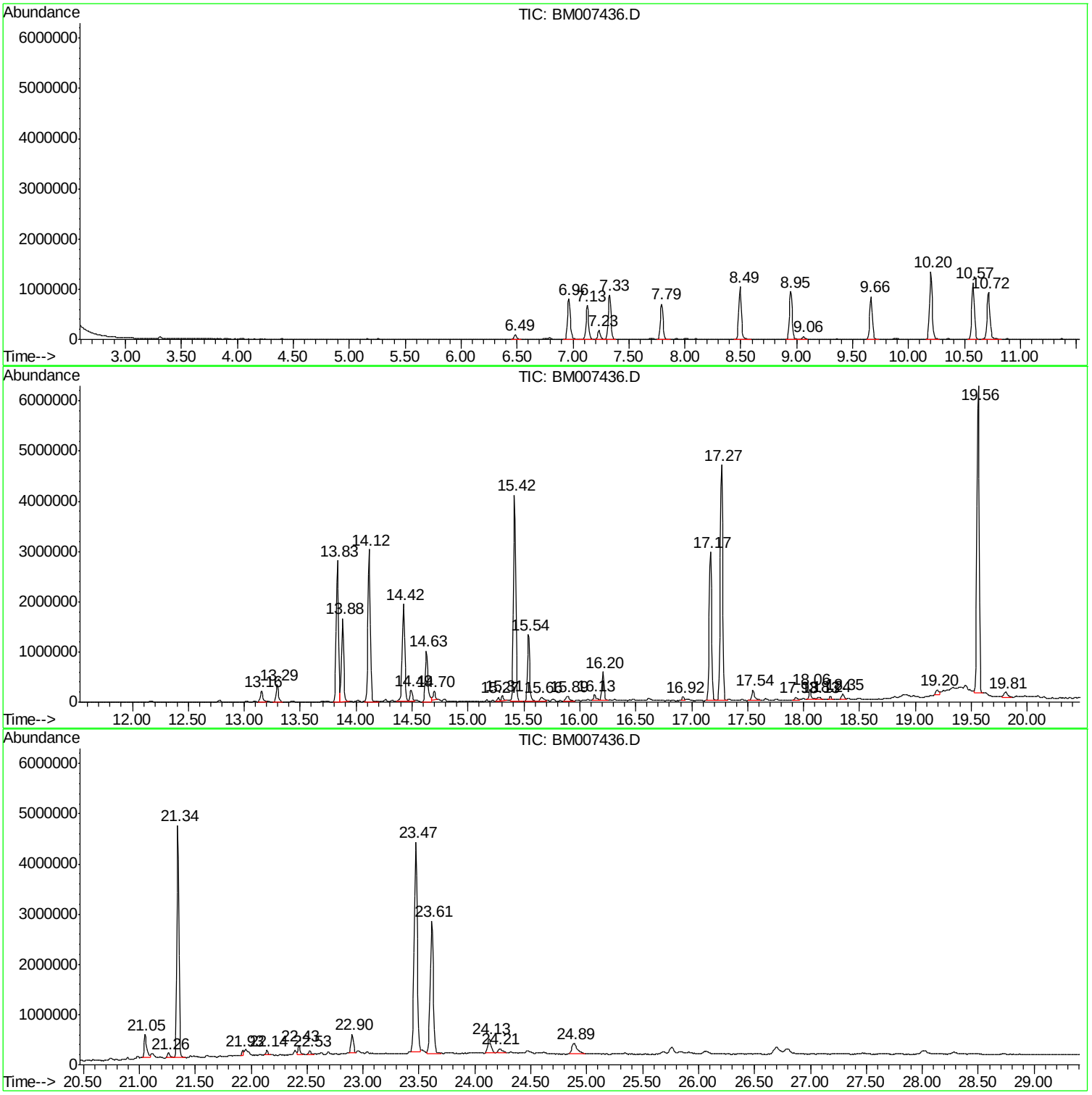
Sum of corrected areas: 86907606

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

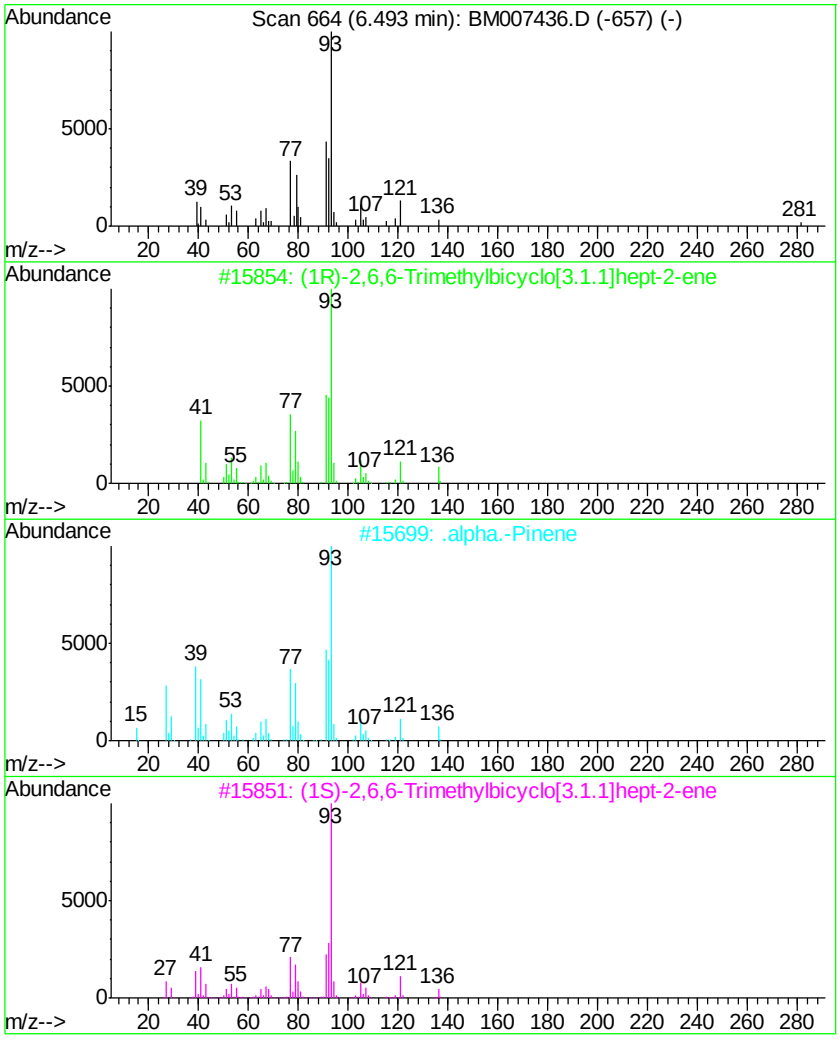
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

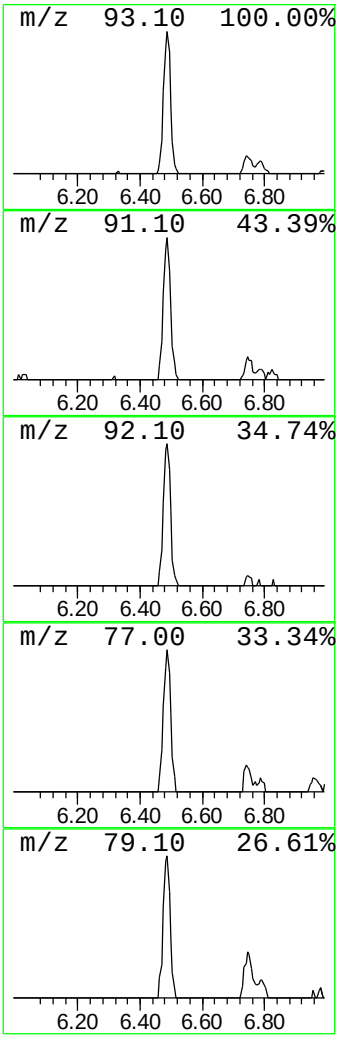
****

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	2.49 ng/ul	142450	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(+)-3-Carene	136	C10H16	000498-15-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

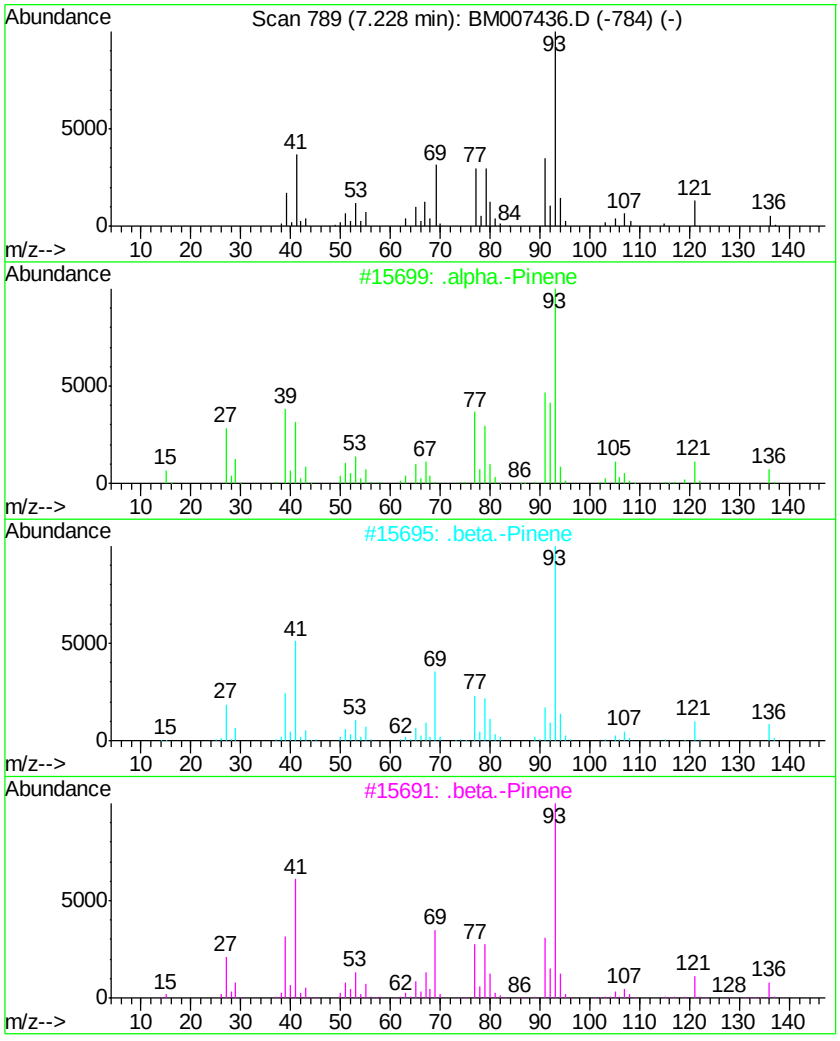
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

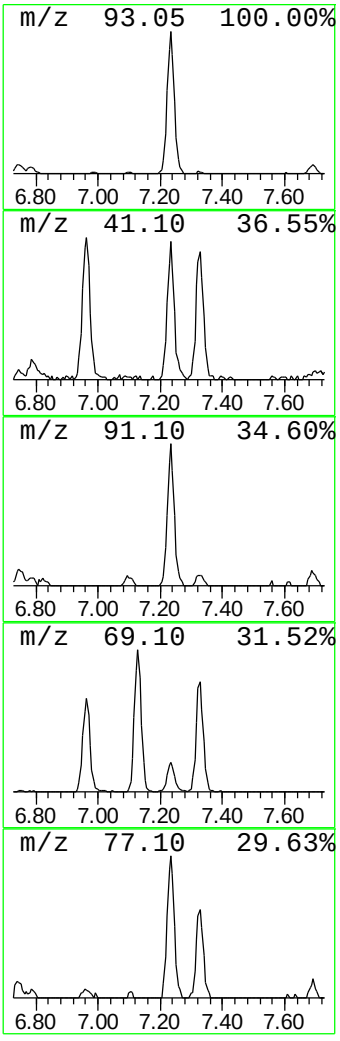
****

Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	5.09 ng/ul	291321	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	.beta.-Pinene	136	C10H16	000127-91-3	91
3	.beta.-Pinene	136	C10H16	000127-91-3	91
4	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

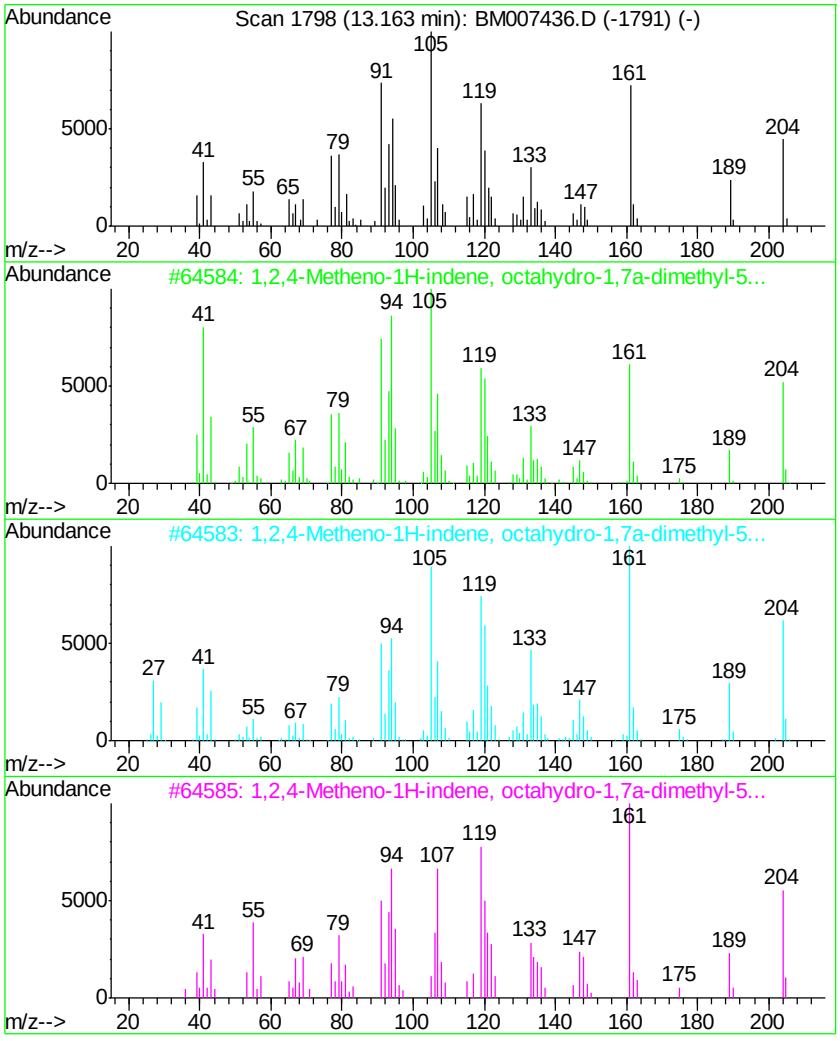
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

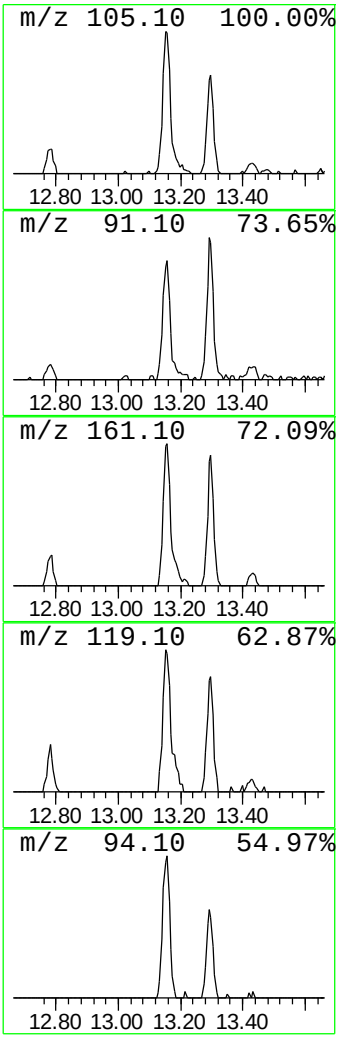
****

Peak Number 3 1,2,4-Metheno-1H-indene, oc... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.13 ng/ul	337637	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Metheno-1H-indene, octahyd...	204	C15H24	022469-52-9	99
2	1,2,4-Metheno-1H-indene, octahyd...	204	C15H24	022469-52-9	94
3	1,2,4-Metheno-1H-indene, octahyd...	204	C15H24	022469-52-9	93
4	Cyclohexene, 6-ethenyl-6-methyl-...	204	C15H24	005951-67-7	78
5	Neoisolongifolene	204	C15H24	1000156-12-4	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

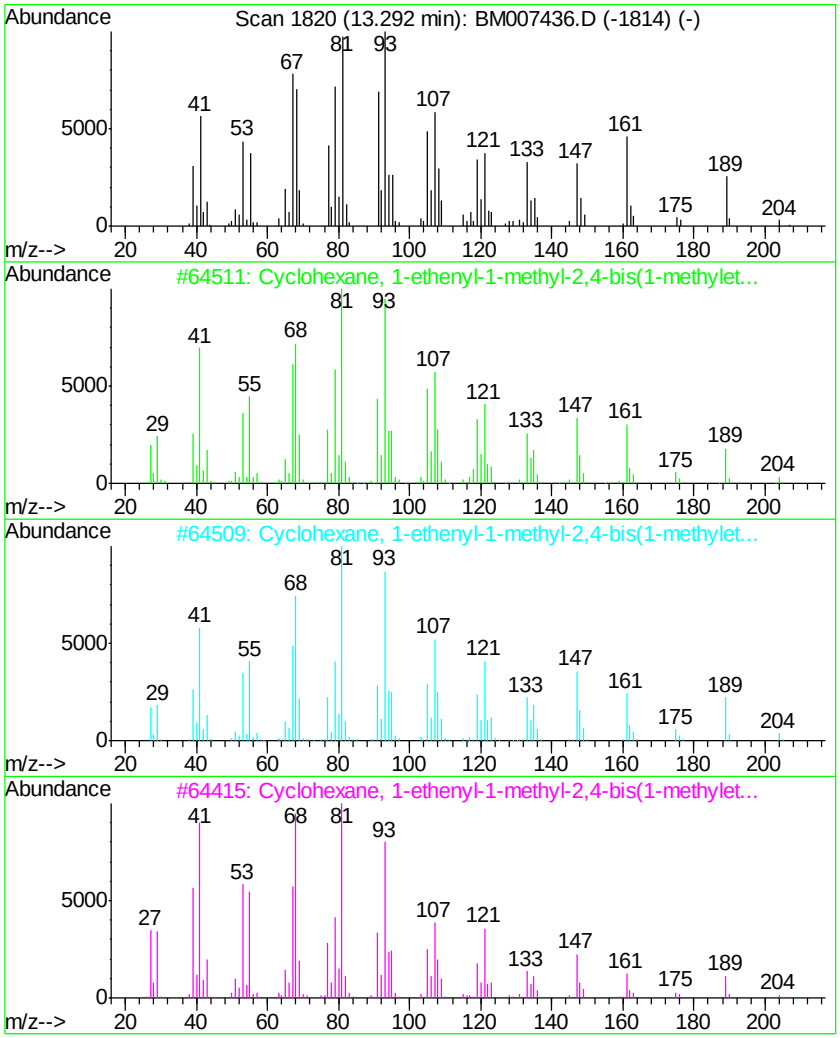
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

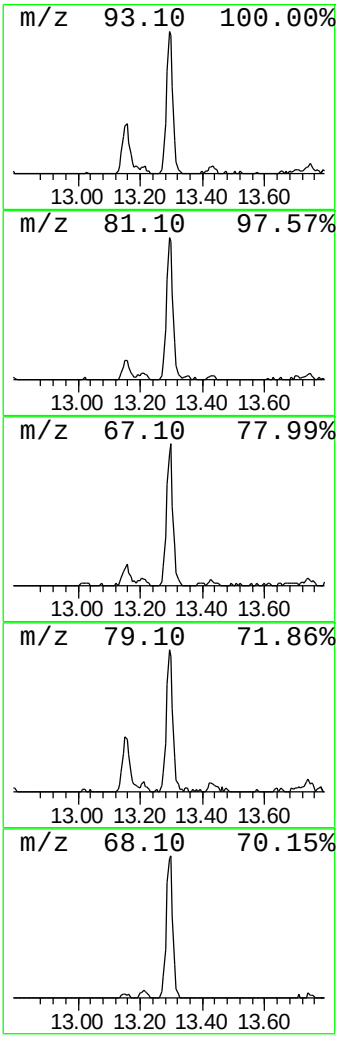
****

Peak Number 4 Cyclohexane, 1-ethenyl-1-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.31 ng/ul	525232	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	99
2	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	96
3	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	110823-68-2	95
4	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	033880-83-0	64
5	(Z,Z)-.alpha.-Farnesene	204	C15H24	1000293-03-1	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

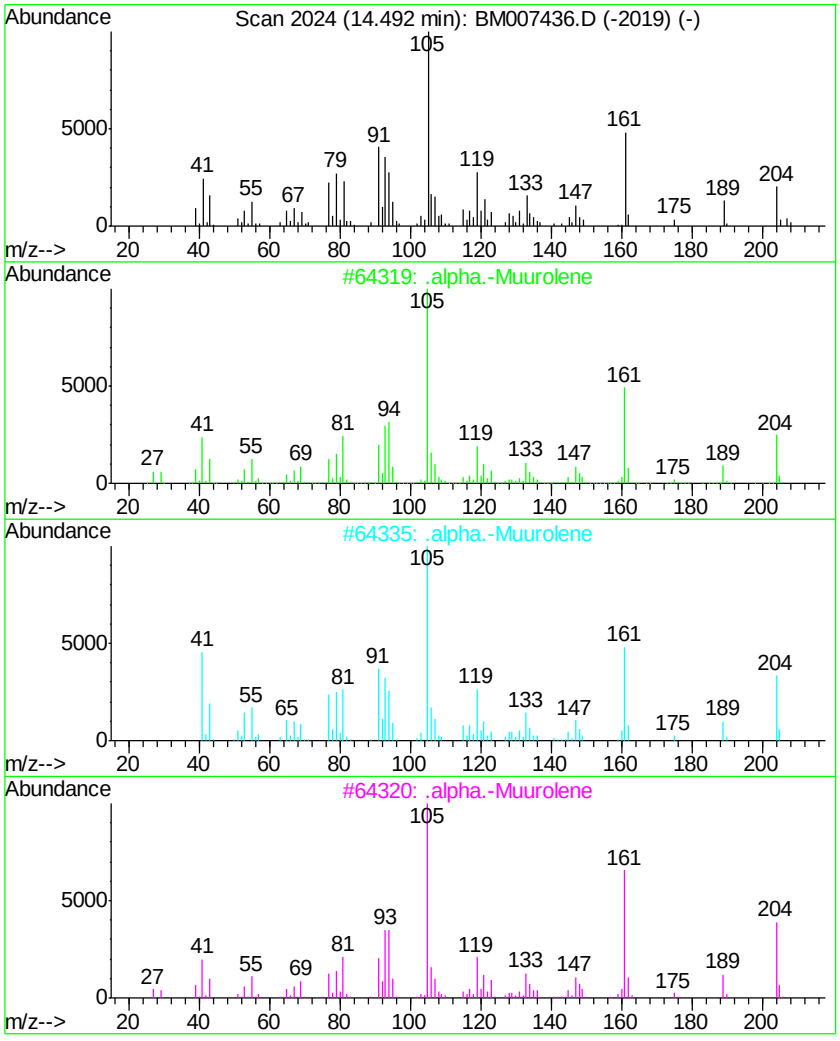
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

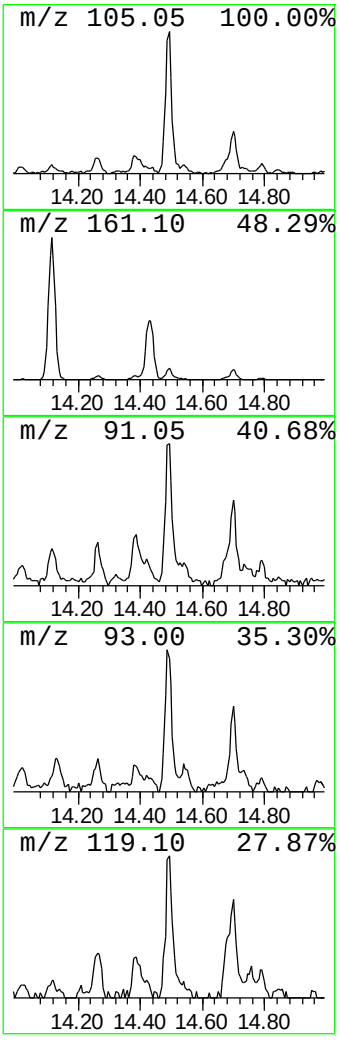
****

Peak Number 5 .alpha.-Muurolene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.17 ng/ul	344655	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Muurolene	204	C15H24	010208-80-7	97
2	.alpha.-Muurolene	204	C15H24	031983-22-9	96
3	.alpha.-Muurolene	204	C15H24	031983-22-9	91
4	.alpha.-Muurolene	204	C15H24	031983-22-9	91
5	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

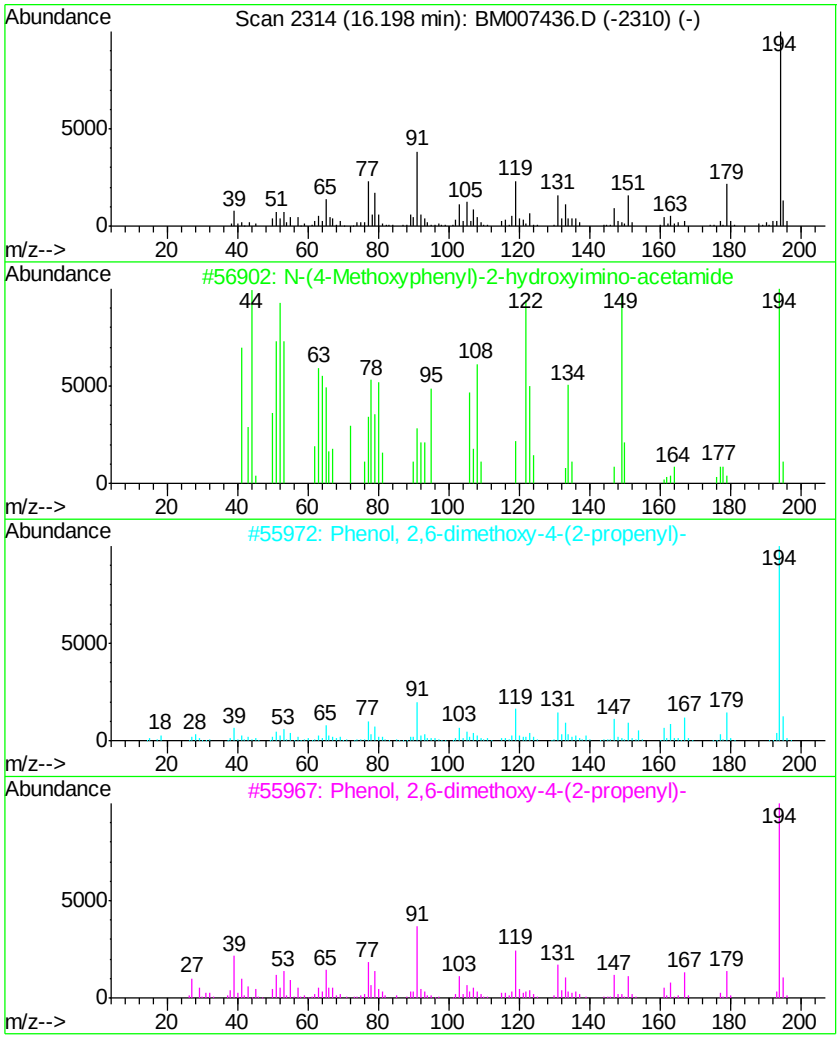
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

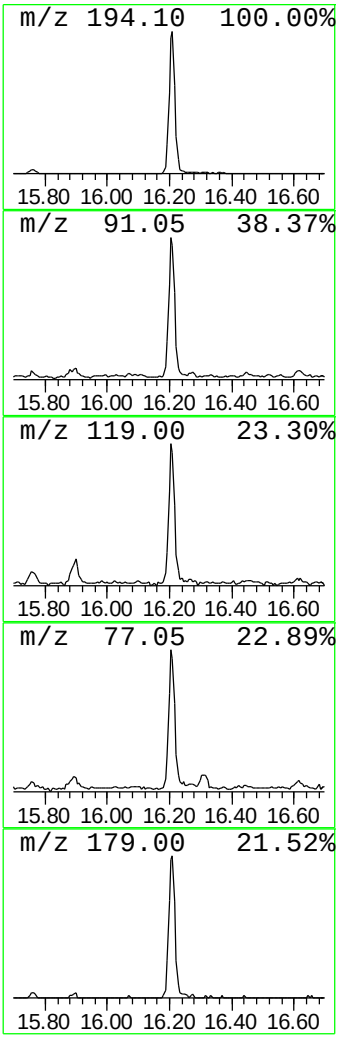
****

Peak Number 6 N-(4-Methoxyphenyl)-2-hydro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	3.68 ng/ul	793316	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-Methoxyphenyl)-2-hydroxyimi...	194	C9H10N2O3	1000143-61-3	94
2	Phenol, 2,6-dimethoxy-4-(2-prope...	194	C11H14O3	006627-88-9	91
3	Phenol, 2,6-dimethoxy-4-(2-prope...	194	C11H14O3	006627-88-9	91
4	2-Propenoic acid, 3-(4-hydroxy-3...	194	C10H10O4	001135-24-6	53
5	2,5-Dimethoxyterephthalic acid	194	C10H10O4	007310-97-6	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

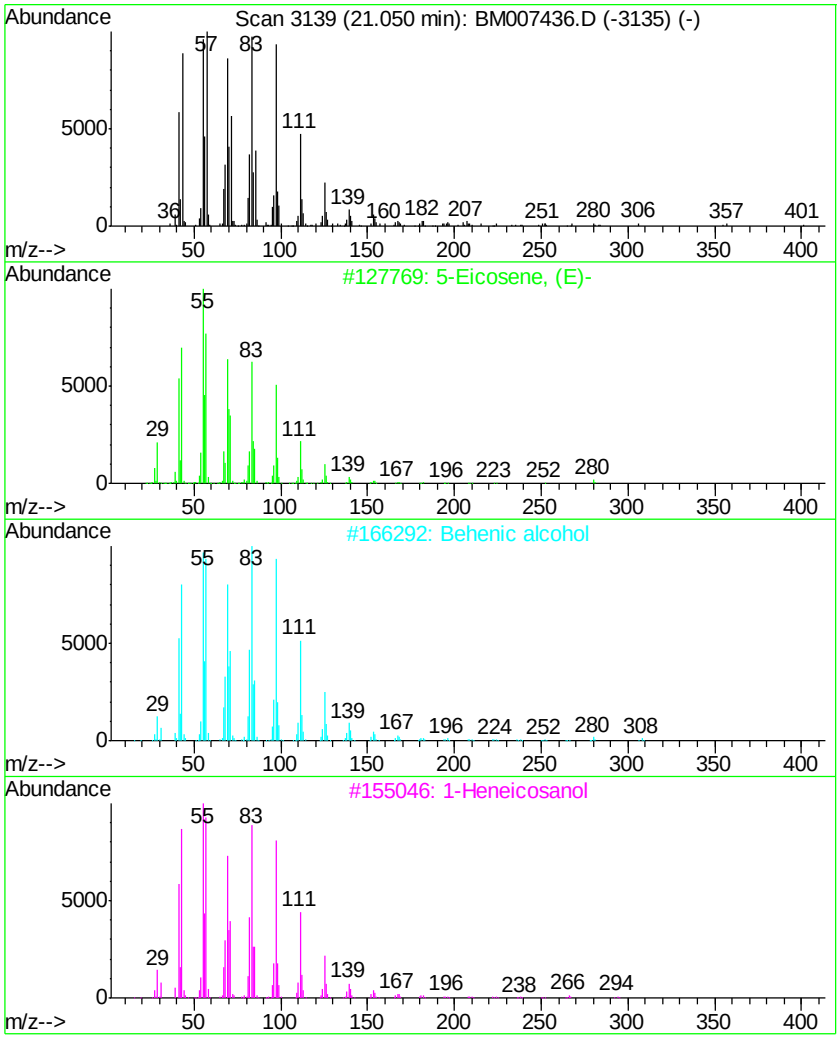
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

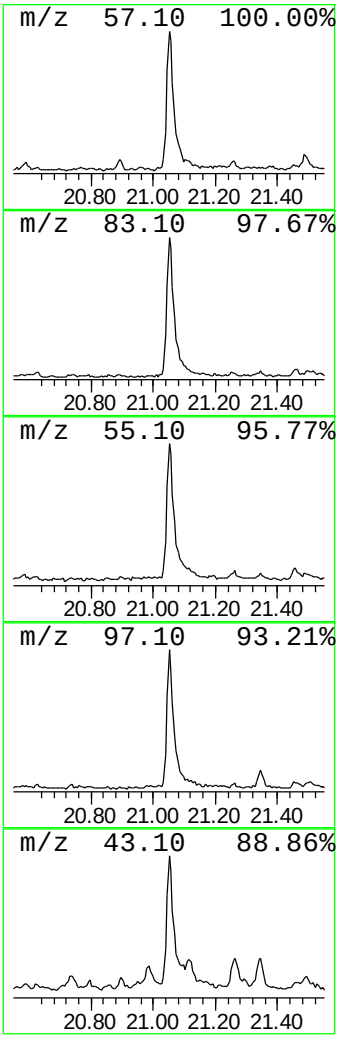
****

Peak Number 7 (DEL) Alkane: Cyclic21.05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.51 ng/ul	746479	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

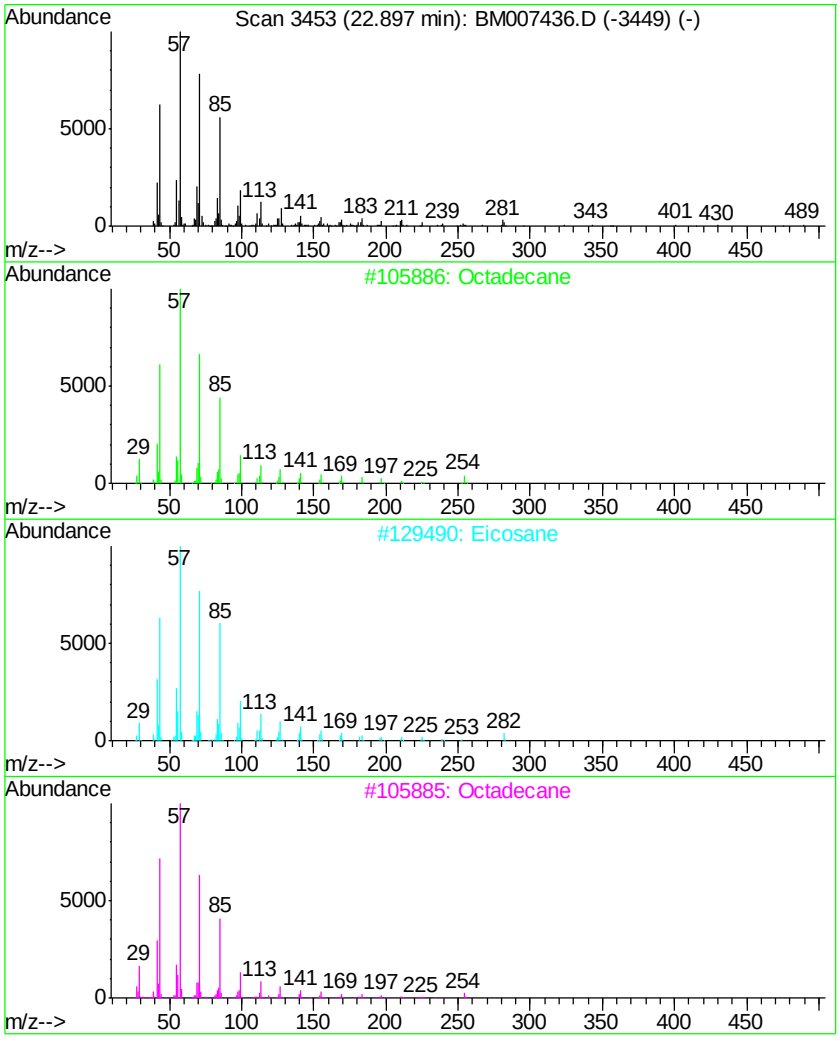
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

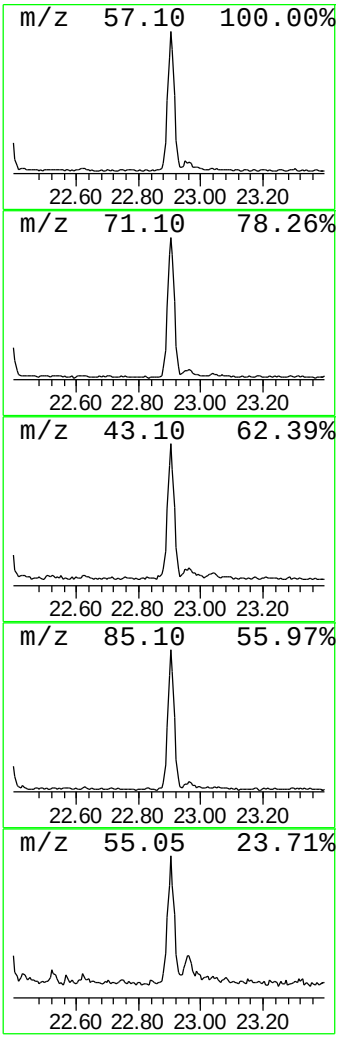
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.90	2.21 ng/ul	566186	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Octadecane	254	C18H38	000593-45-3	91
4	Tetracosane	338	C24H50	000646-31-1	90
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

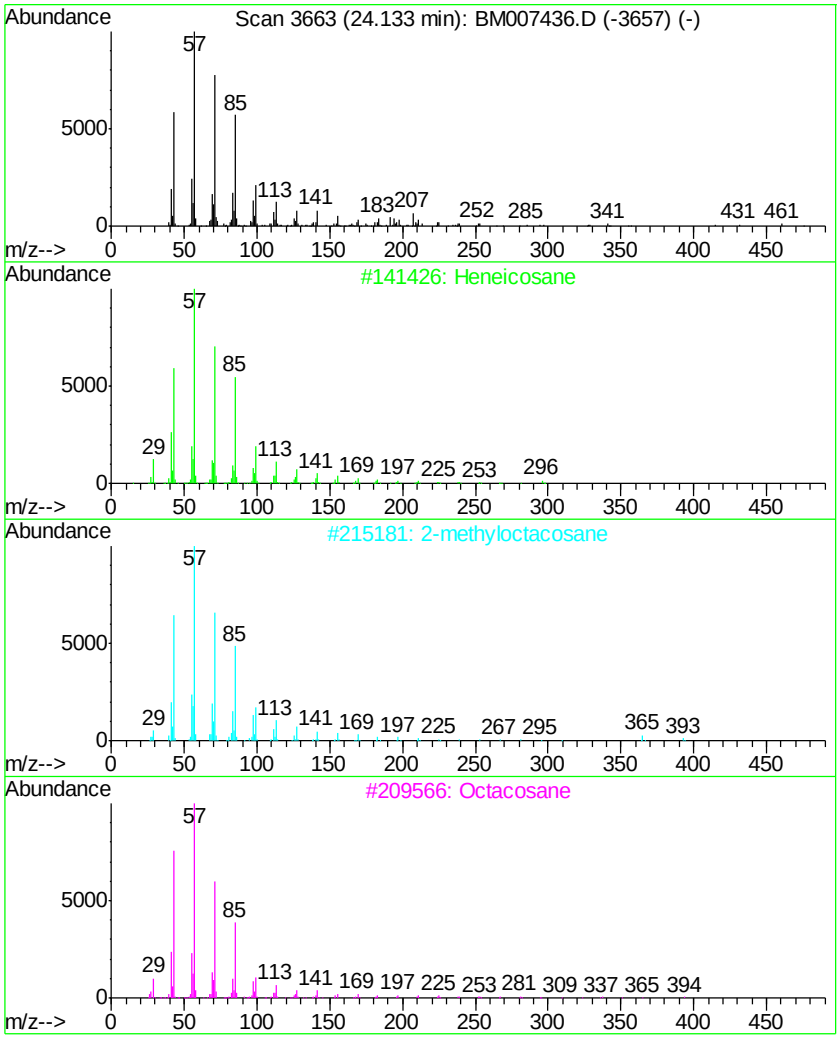
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

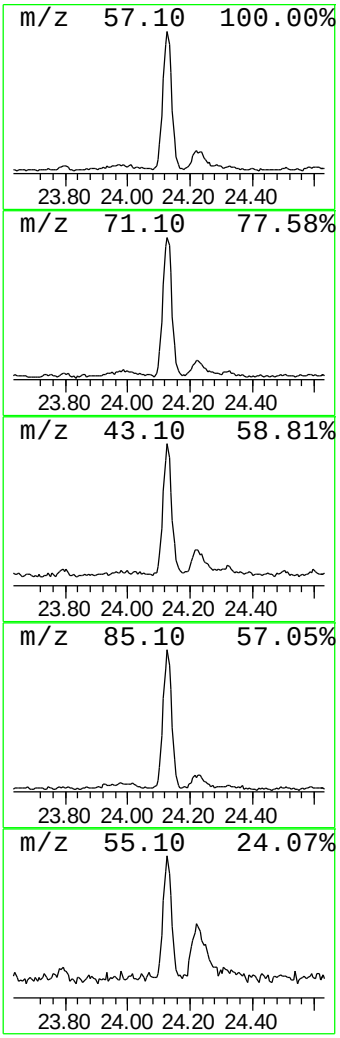
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	2.19 ng/ul	560634	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heptadecane	240	C17H36	000629-78-7	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

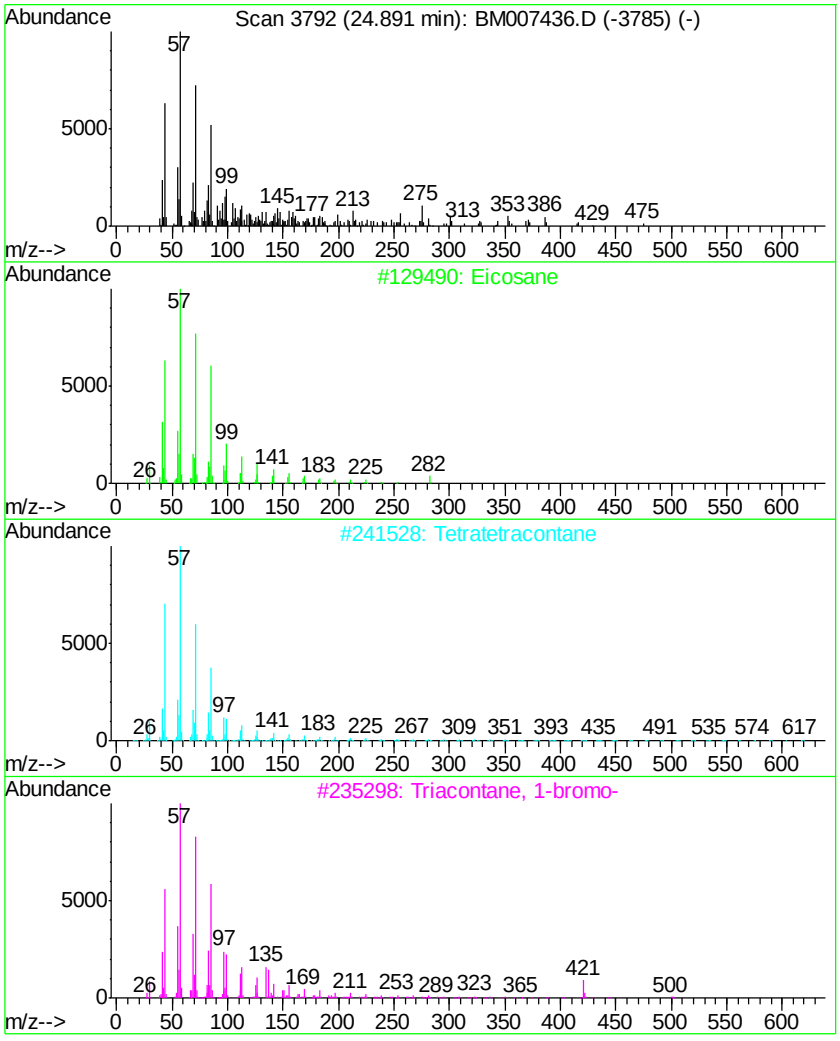
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

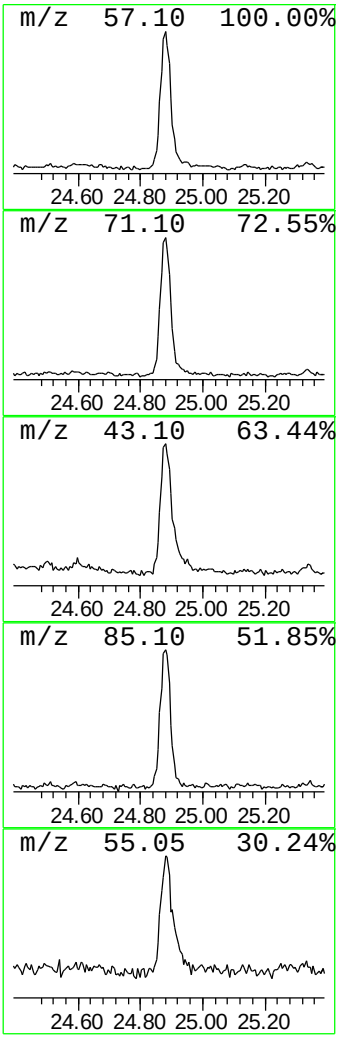
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.89	2.58 ng/ul	660996	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetratetracontane	619	C44H90	007098-22-8	87
3	Triacontane, 1-bromo-	500	C30H61Br	004209-22-7	87
4	Hentriacontane	437	C31H64	000630-04-6	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007436.D
Acq On : 07 Sep 2016 12:53
Operator : UM/SJ
Sample : H4655-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0028

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
(1R)-2,6,6-Trimet...	6.49	2.5	ng/ul	142450	1	7.79	1144420	20.0
.alpha.-Pinene	7.23	5.1	ng/ul	291321	1	7.79	1144420	20.0
1,2,4-Metheno-1H-...	13.16	2.1	ng/ul	337637	3	14.42	3176150	20.0
Cyclohexane, 1-et...	13.29	3.3	ng/ul	525232	3	14.42	3176150	20.0
.alpha.-Muurolene	14.49	2.2	ng/ul	344655	3	14.42	3176150	20.0
N-(4-Methoxypheny...	16.20	3.7	ng/ul	793316	4	17.17	4312530	20.0
(DEL) Alkane: Cyc...	21.05	2.5	ng/ul	746479	5	21.34	5953960	20.0
(DEL) Alkane: Str...	22.90	2.2	ng/ul	566186	6	23.61	5117890	20.0
(DEL) Alkane: Str...	24.13	2.2	ng/ul	560634	6	23.61	5117890	20.0
(DEL) Alkane: Str...	24.89	2.6	ng/ul	660996	6	23.61	5117890	20.0