LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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	4.210	269	276	279	rBV2	71852	114385	1.44%	0.159%
2	4.340	294	298	308	rVB3	45492	85208	1.07%	0.118%
3	4.487	319	323	330	rVB2	55045	86101	1.09%	0.120%
4	4.763	363	370	377	rVB2	52970	82776	1.04%	0.115%
5	4.969	401	405	409	rBV	72483	94931	1.20%	0.132%
6	5.022	409	414	421	rBV	236843	366857	4.62%	0.510%
7	5.257	450	454	462	rVB2	70793	124739	1.57%	0.173%
8	5.398	474	478	489	rVB4	50525	97717	1.23%	0.136%
9	5.693	522	528	536	rBV2	78744	175829	2.22%	0.244%
10	5.763	536	540	545	rVV2	79101	140202	1.77%	0.195%
11	6.081	587	594	607	rBV5	68502	178219	2.25%	0.248%
12	6.198	607	614	620	rVB5	33736	81379	1.03%	0.113%
13	6.298	624	631	638	rBV7	49231	138300	1.74%	0.192%
14	6.440	645	655	659	rBV5	76354	184032	2.32%	0.256%
15	6.787	706	714	721	rBV7	46386	88185	1.11%	0.122%
16	6.963	735	744	755	rBV	666324	1244763	15.69%	1.729%
17	7.128	766	772	778	rBV	503317	780386	9.83%	1.084%
18	7.328	800	806	821	rVB	672708	1175818	14.82%	1.633%
19	7.792	876	885	892	rVB	686880	1172743	14.78%	1.629%
20	8.492	998	1004	1012	rBV	900144	1475336	18.59%	2.049%
21	8.945	1075	1081	1093	rVB	676501	1172623	14.78%	1.629%
22	9.669	1197	1204	1215	rBV	569573	980444	12.36%	1.362%
23	10.198	1284	1294	1305	rBV	882998	1574204	19.84%	2.186%
24	10.580	1347	1359	1372	rBV	1069231	1858507	23.42%	2.581%
25	10.716	1375	1382	1394	rBV	520181	952563	12.00%	1.323%
26	13.833	1905	1912	1916	rBV	2083005	2976018	37.50%	4.134%
27	13.880	1916	1920	1928	rVB	2072060	2839447	35.78%	3.944%
28	14.116	1954	1960	1970	rVB	2180552	3301211	41.60%	4.585%
29	14.427	2006	2013	2023	rVB2	1758338	2797988	35.26%	3.886%
30	14.627	2040	2047	2061	rBV	816187	1418712	17.88%	1.971%
31	15.274	2153	2157	2163	rVB	79429	99026	1.25%	0.138%
32	15.421	2175	2182	2193	rVB	2954980	4376262	55.15%	6.078%
33	15.539	2196	2202	2214	rVV	845585	1184160	14.92%	1.645%
34	15.662	2217	2223	2230	rBV4	51541	105838	1.33%	0.147%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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	16.133	2299	2303	2312	rBV	118877	216019	2.72%	0.300%
36	16.927	2433	2438	2445	rBV	266605	431379	5.44%	0.599%
37	17.168	2472	2479	2485	rBV	2708004	3790428	47.77%	5.265%
38	17.268	2489	2496	2506	rVB2	3461647	5141881	64.80%	7.142%
39	18.056	2625	2630	2636	rBV	223441	326603	4.12%	0.454%
40	19.192	2819	2823	2826	rBV	61067	89703	1.13%	0.125%
41	19.339	2844	2848	2852	rBV3	81402	118403	1.49%	0.164%
42	19.562	2879	2886	2892	rBV	4983152	6917658	87.17%	9.608%
43	21.056	3136	3140	3149	rBV	440253	657367	8.28%	0.913%
44	21.262	3171	3175	3179	rVB	78921	91788	1.16%	0.127%
45	21.350	3184	3190	3195	rBV	4478443	5785010	72.90%	8.035%
46	22.397	3366	3368	3374	rVB3	84297	102986	1.30%	0.143%
47	22.527	3388	3390	3395	rVB	90987	113835	1.43%	0.158%
48	22.909	3452	3455	3465	rVB3	94920	177908	2.24%	0.247%
49	23.474	3543	3551	3563	rVB2	3955377	7935416	100.00%	11.022%
50	23.621	3568	3576	3587	rVB	2979030	5863839	73.89%	8.145%
51	24.138	3659	3664	3674	rVB2	174053	331942	4.18%	0.461%
52	24.891	3788	3792	3801	rVB2	171709	379516	4.78%	0.527%

Sum of corrected areas: 71996590

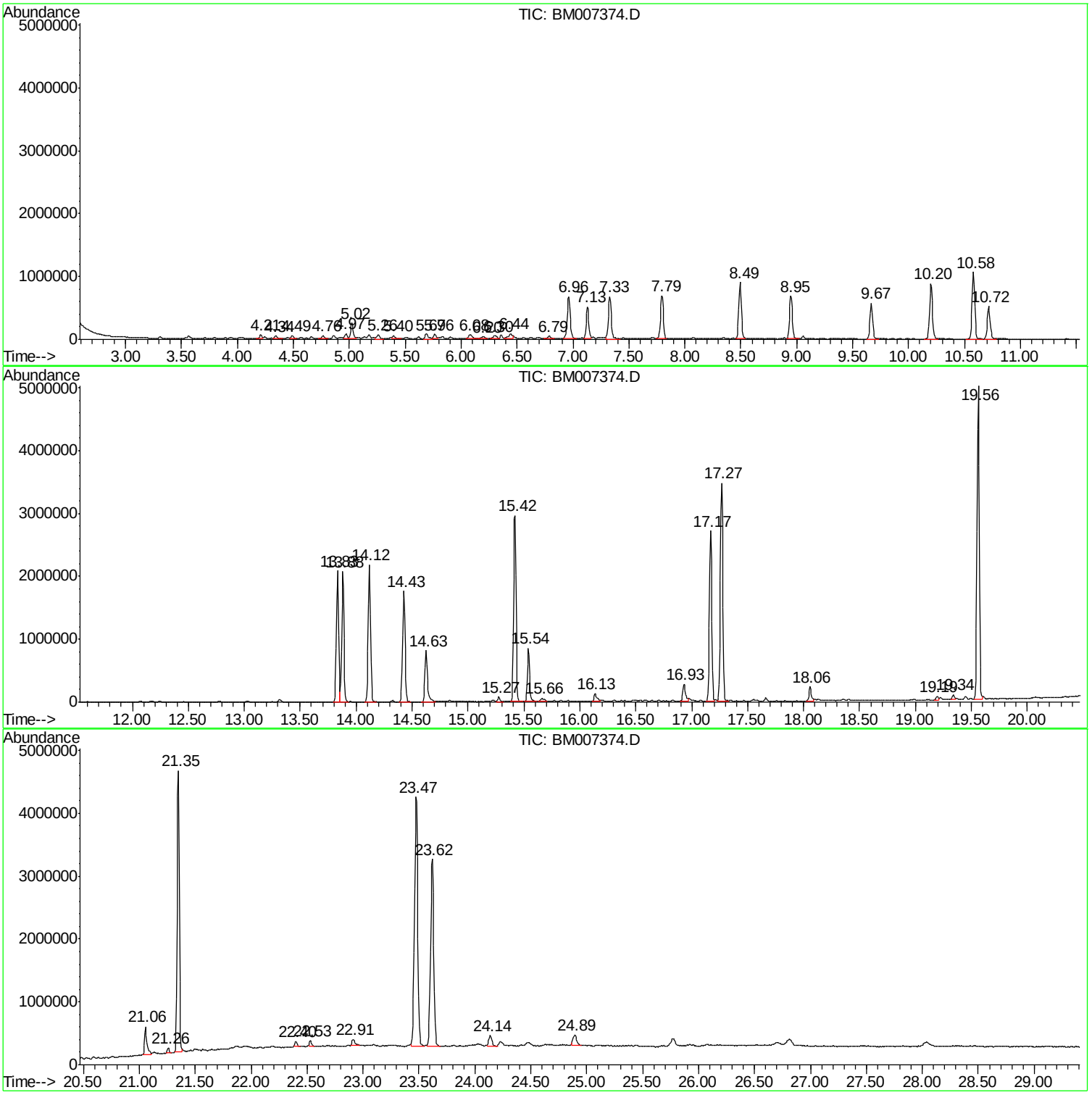
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

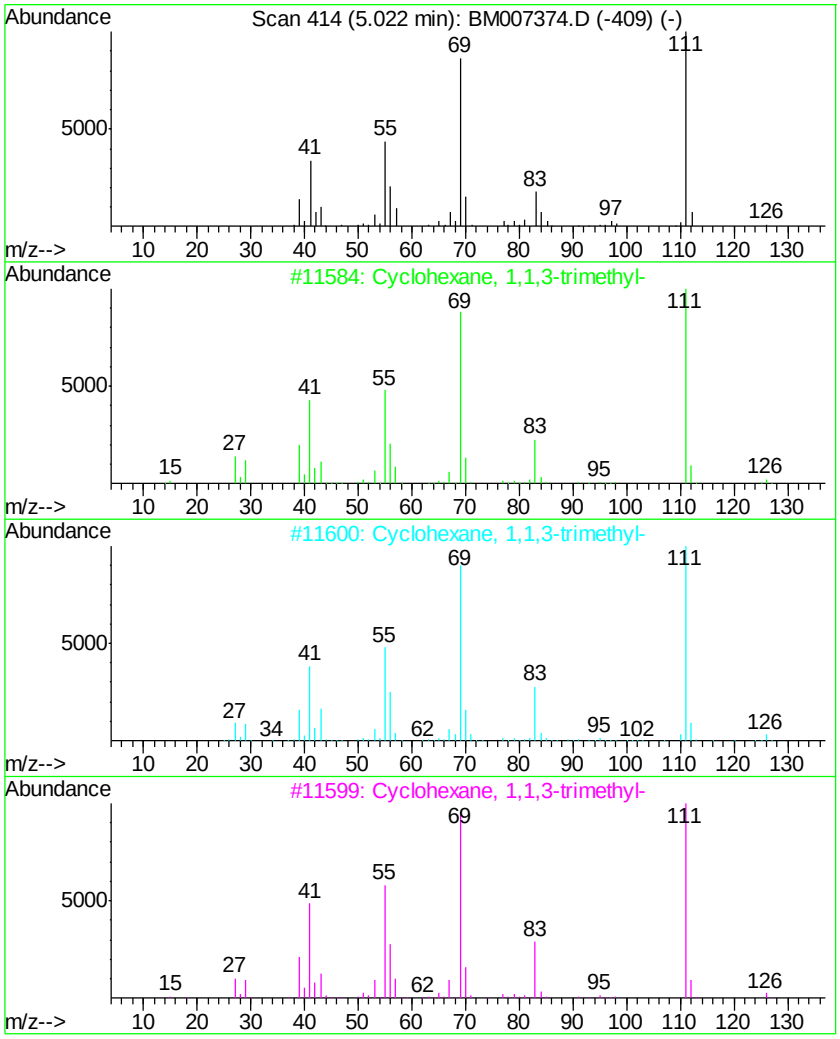
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

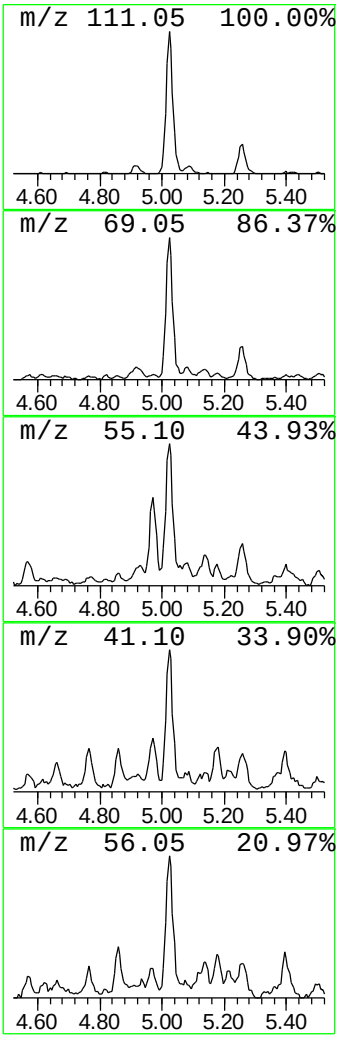
****

Peak Number 1 (DEL) Alkane: Cyclic5.02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	6.26 ng/ul	366857	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	78
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

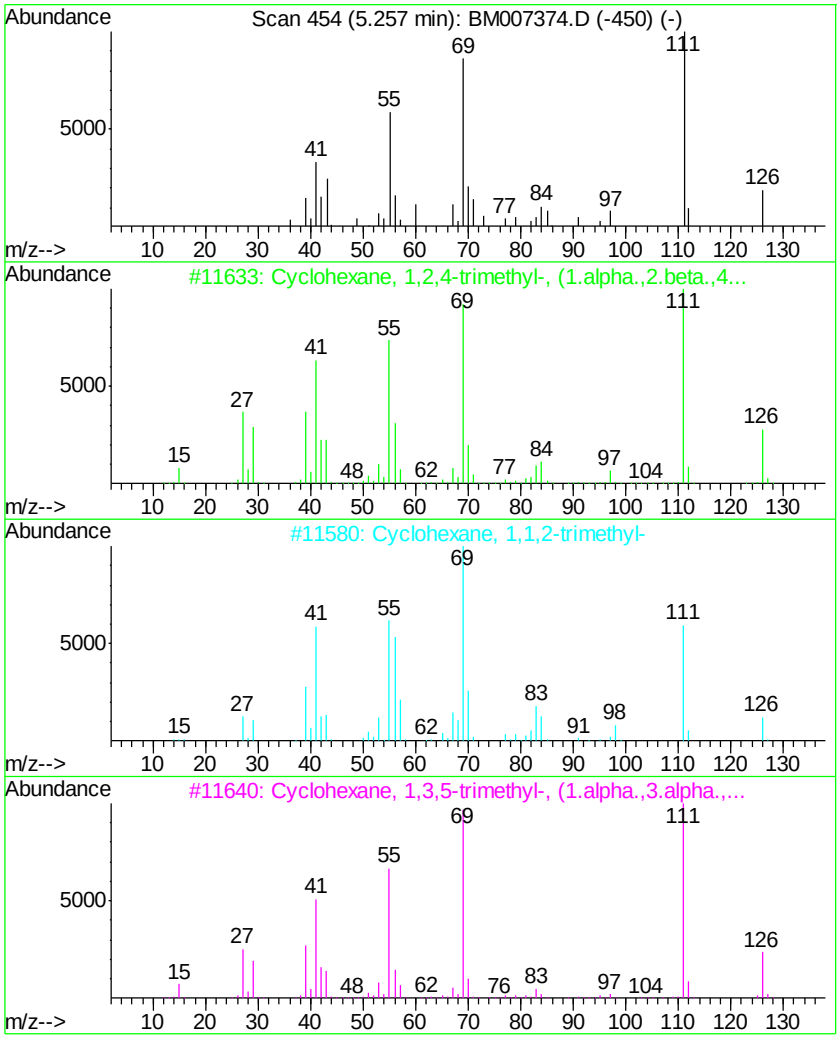
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

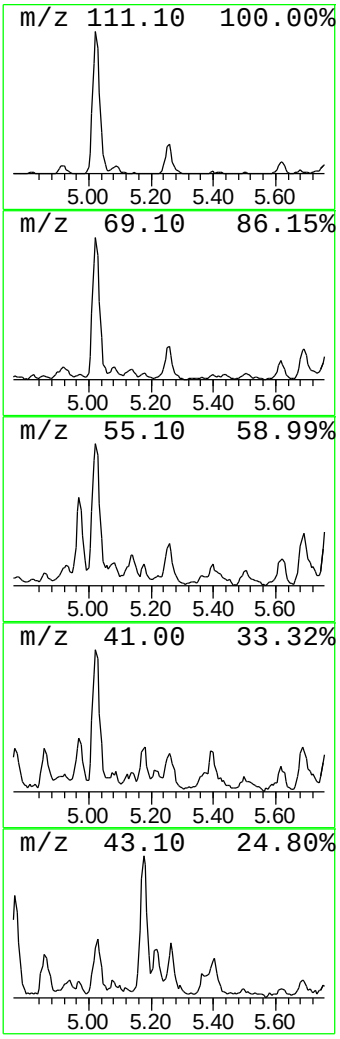
****

Peak Number 2 (DEL) Alkane: Cyclic5.26 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	2.13 ng/ul	124739	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	78
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	74
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
5	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	59





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

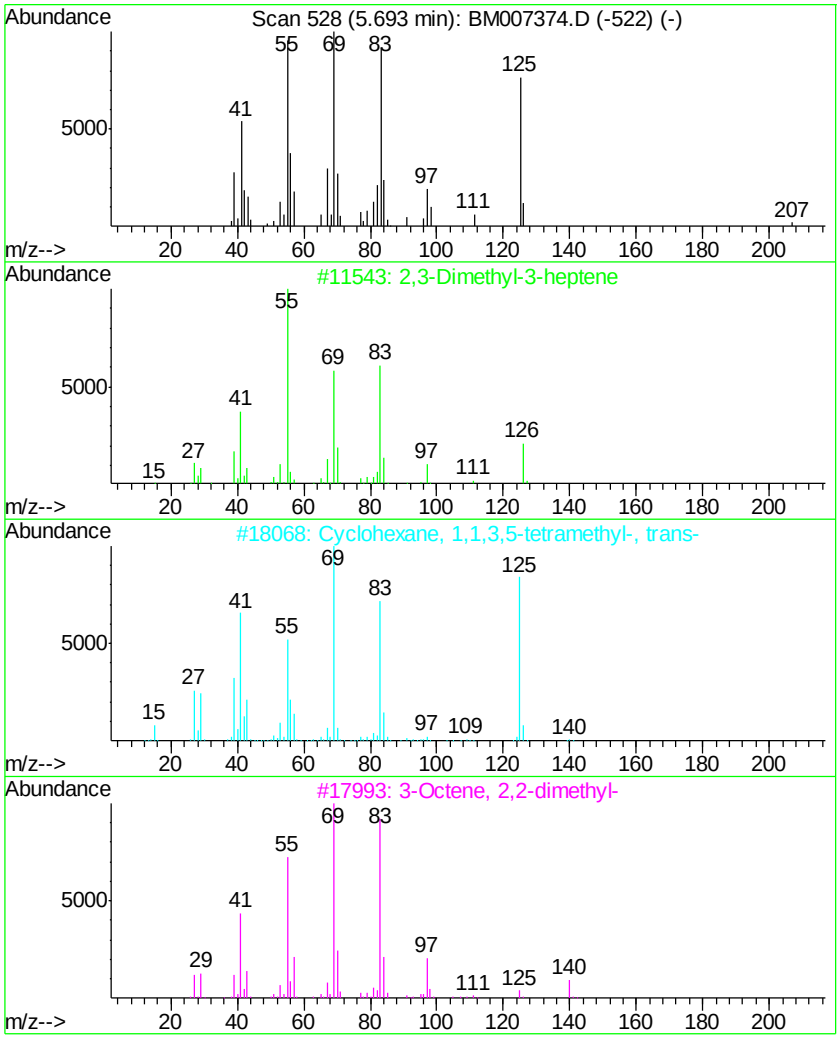
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

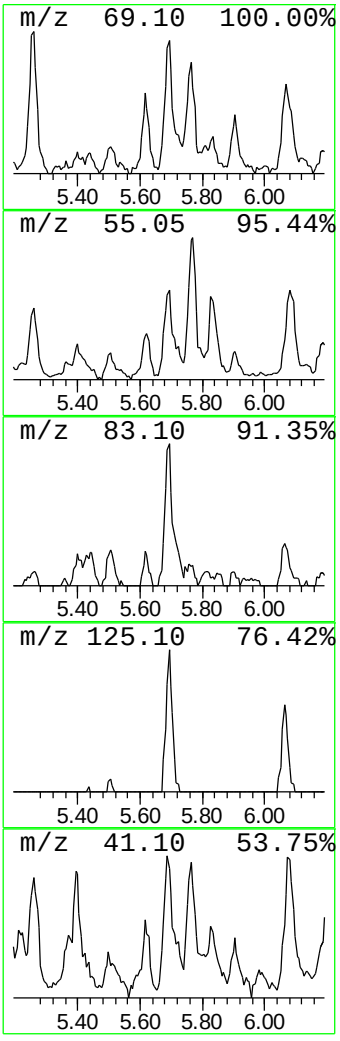
****

Peak Number 3 (DEL) Alkane: Cyclic5.69 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	3.00 ng/ul	175829	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	58
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	53
3	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	47
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
5	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

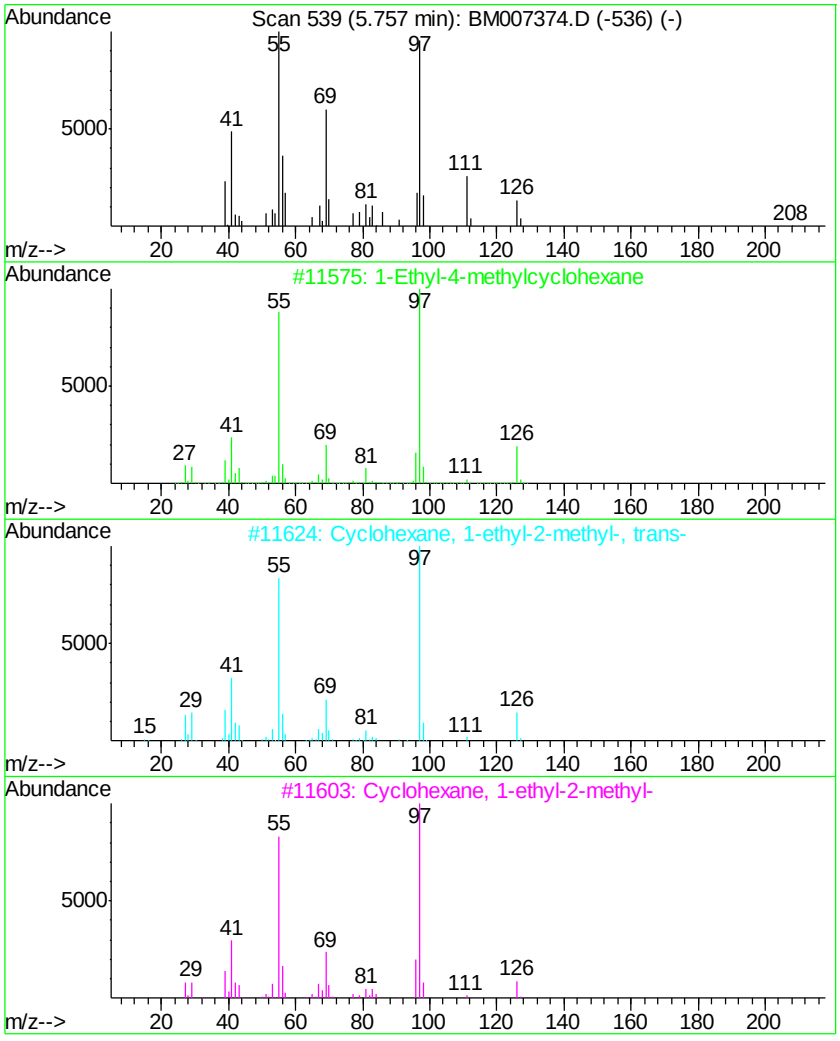
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

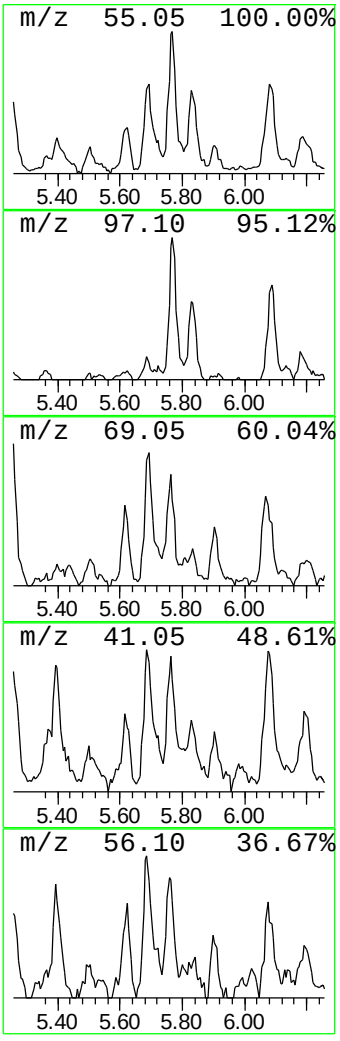
****

Peak Number 4 (DEL) Alkane: Cyclic5.76 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	2.39 ng/ul	140202	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	81
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64





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Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

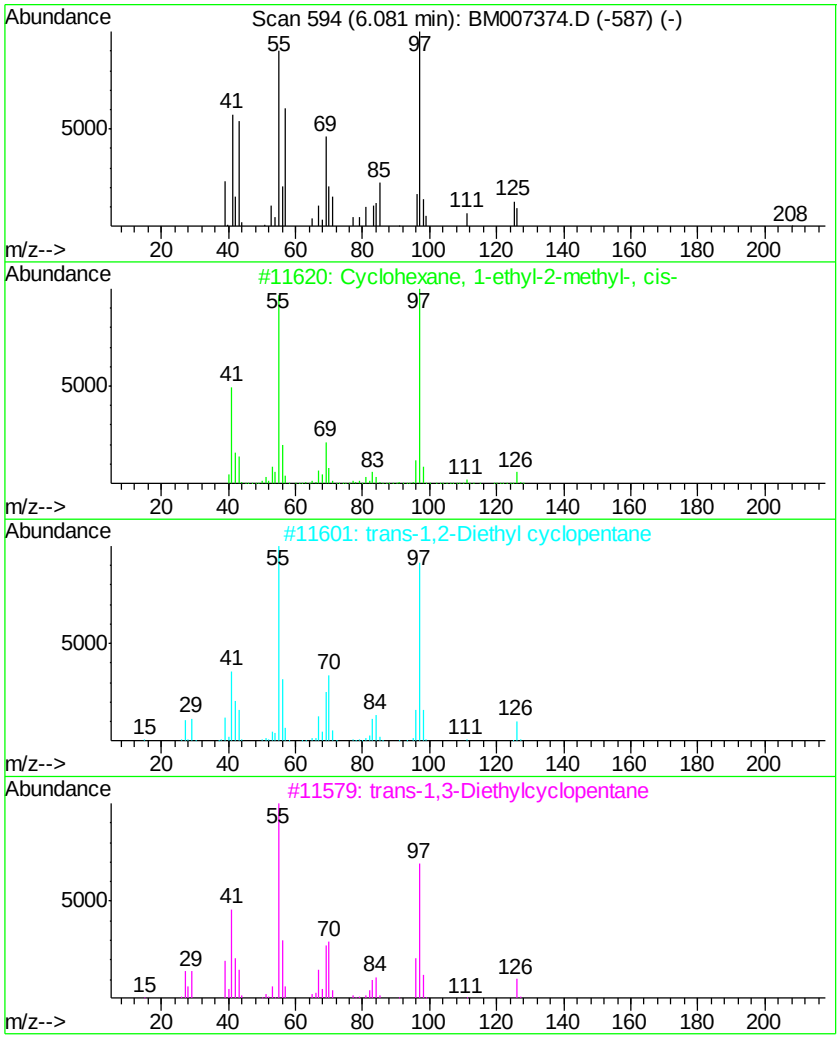
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

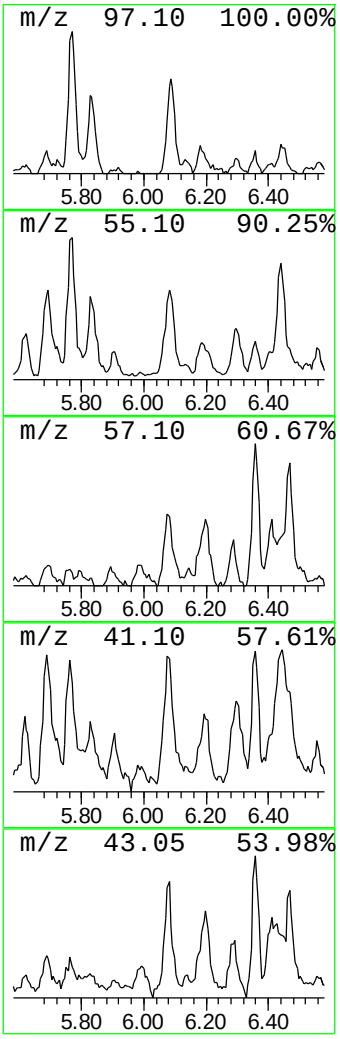
****

Peak Number 5 (DEL) Alkane: Cyclic6.08 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	3.04 ng/ul	178219	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
2	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
3	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	64
4	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	59
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

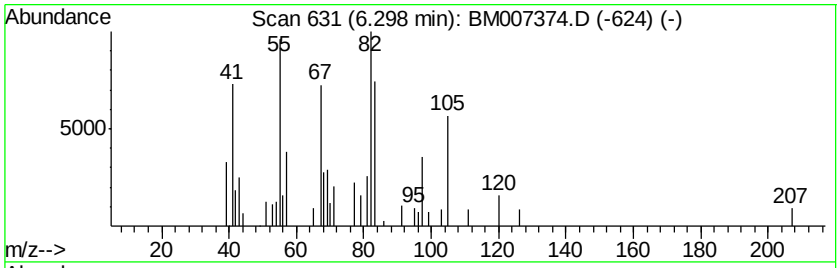
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

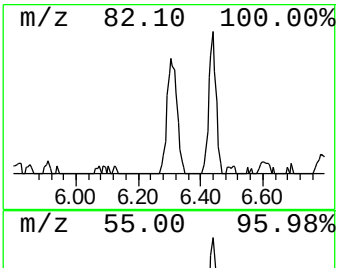
****

Peak Number 6 (E)-Hex-3-enyl (E)-2-methyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	2.36 ng/ul	138300	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-74-1	50
2	Octane, 2-cyclohexyl-	196	C14H28	002883-05-8	50
3	Methallylcyclohexane	138	C10H18	003990-93-0	43
4	Succinic acid, cis-hex-3-enyl de...	340	C20H36O4	1000353-41-2	38
5	Octane, 2-cyclohexyl-	196	C14H28	002883-05-8	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

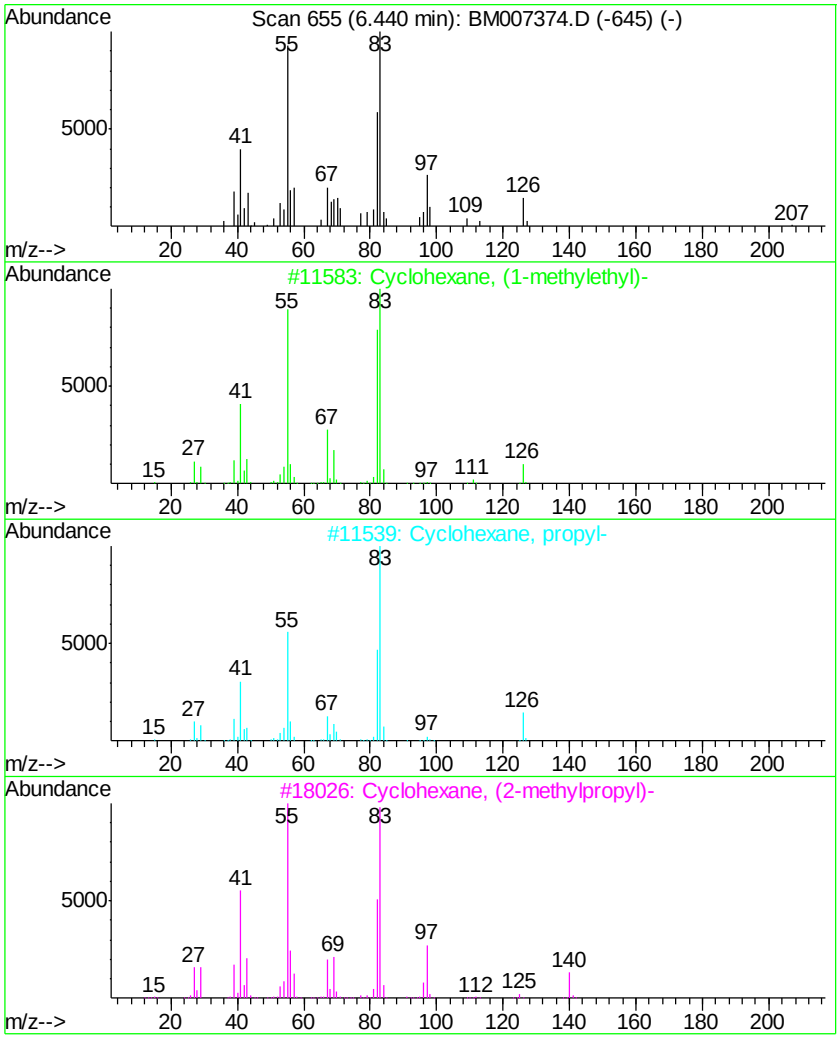
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

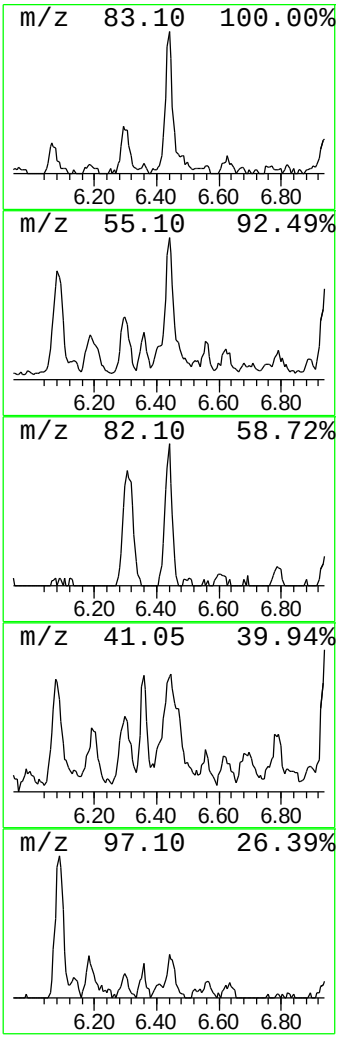
****

Peak Number 7 (DEL) Alkane: Cyclic6.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	3.14 ng/ul	184032	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

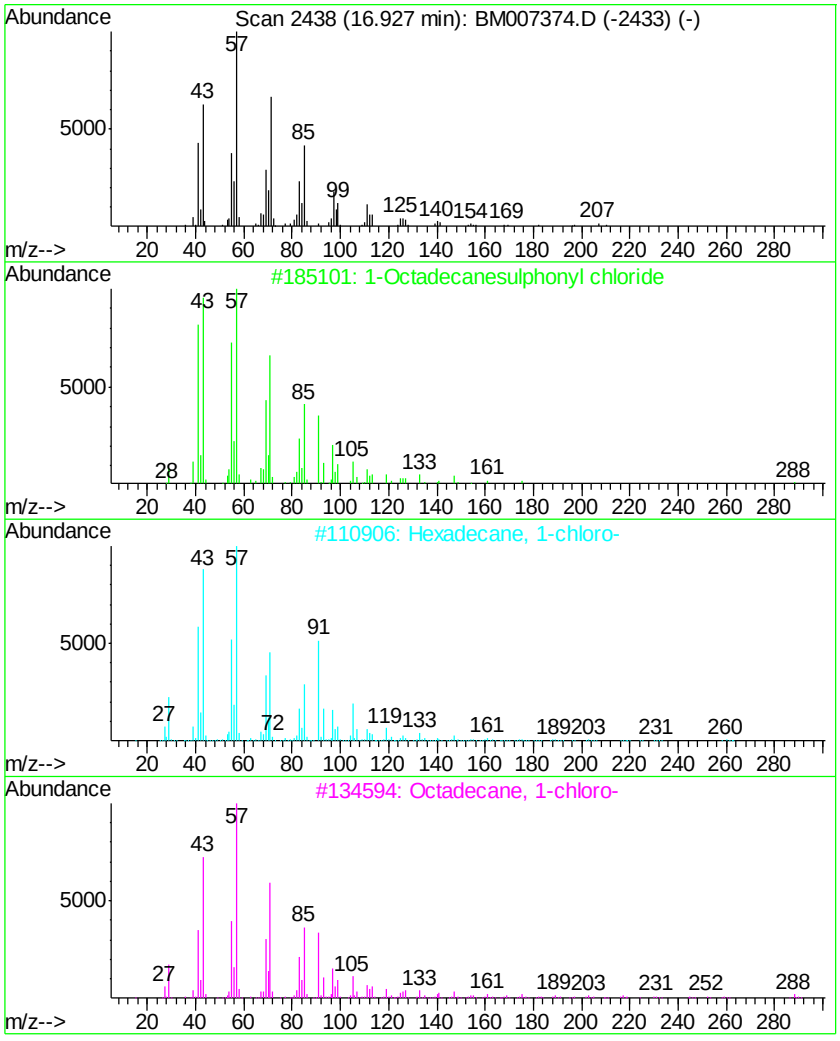
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

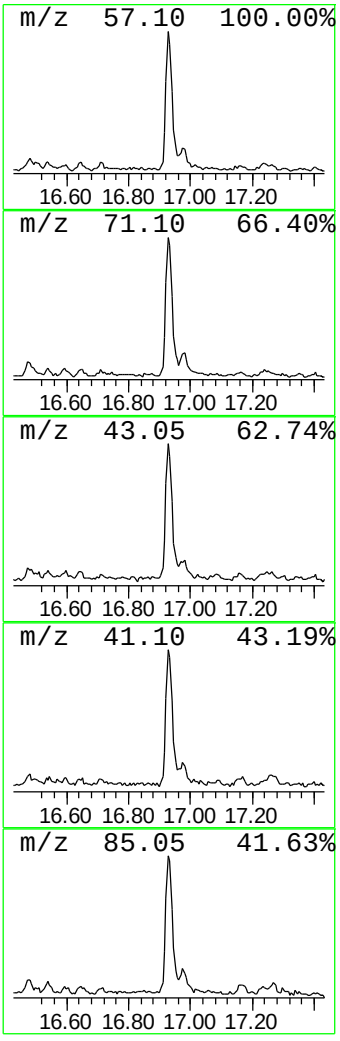
****

Peak Number 8 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	2.28 ng/ul	431379	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	90
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	90
4	Tritetracontane	605	C43H88	007098-21-7	90
5	1-Pentadecene	210	C15H30	013360-61-7	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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

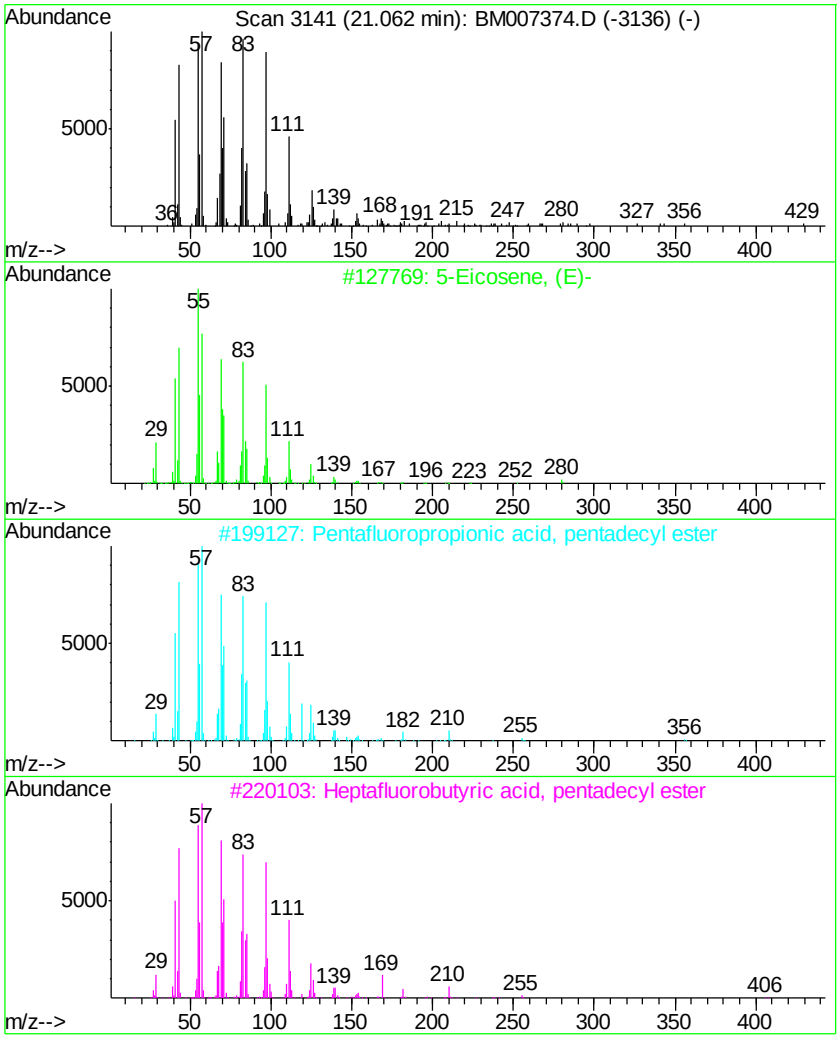
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

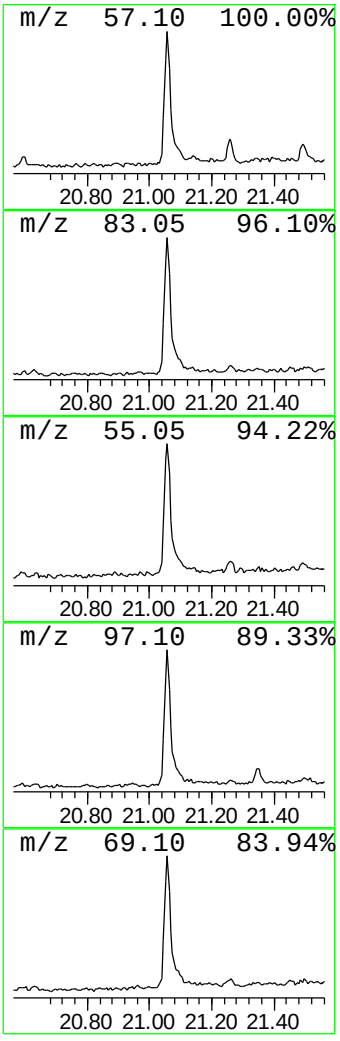
****

Peak Number 9 (DEL) Alkane: Cyclic21.06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.27 ng/ul	657367	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007374.D
Acq On : 02 Sep 2016 19:10
Operator : UM/SJ
Sample : H4639-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD398

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
(DEL) Alkane: Cyc...	5.02	6.3	ng/ul	366857	1	7.79	1172740	20.0
(DEL) Alkane: Cyc...	5.26	2.1	ng/ul	124739	1	7.79	1172740	20.0
(DEL) Alkane: Cyc...	5.69	3.0	ng/ul	175829	1	7.79	1172740	20.0
(DEL) Alkane: Cyc...	5.76	2.4	ng/ul	140202	1	7.79	1172740	20.0
(DEL) Alkane: Cyc...	6.08	3.0	ng/ul	178219	1	7.79	1172740	20.0
(E)-Hex-3-enyl (E...	6.30	2.4	ng/ul	138300	1	7.79	1172740	20.0
(DEL) Alkane: Cyc...	6.44	3.1	ng/ul	184032	1	7.79	1172740	20.0
1-Octadecanesulph...	16.93	2.3	ng/ul	431379	4	17.17	3790430	20.0
(DEL) Alkane: Cyc...	21.06	2.3	ng/ul	657367	5	21.35	5785010	20.0