LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

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\SOM-EPA-BM113017.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	4.246	193	197	208	rVB	124910	187776	2.04%	0.230%
2	4.834	293	297	305	rVB2	64405	104099	1.13%	0.127%
3	6.851	634	640	654	rVB	950546	1659749	17.99%	2.029%
4	7.016	662	668	680	rVB	695316	1034617	11.21%	1.265%
5	7.210	694	701	709	rBV	1002762	1549592	16.79%	1.894%
6	7.675	773	780	790	rVB	730564	1149048	12.45%	1.405%
7	8.381	893	900	911	rBV	1284285	2010260	21.79%	2.457%
8	8.828	969	976	990	rVB	936599	1546082	16.76%	1.890%
9	9.545	1090	1098	1106	rBV	803199	1332497	14.44%	1.629%
10	10.080	1182	1189	1199	rBV	1255542	2118664	22.96%	2.590%
11	10.451	1243	1252	1257	rBV	991407	1657202	17.96%	2.026%
12	10.498	1257	1260	1269	rVB	172448	288928	3.13%	0.353%
13	10.598	1269	1277	1291	rBV	514766	967813	10.49%	1.183%
14	11.986	1506	1513	1520	rBV	983752	1596260	17.30%	1.951%
15	12.339	1564	1573	1582	rBV	92521	153647	1.67%	0.188%
16	13.145	1701	1710	1716	rBV2	71653	119994	1.30%	0.147%
17	13.498	1757	1770	1776	rBV6	52018	148750	1.61%	0.182%
18	13.633	1787	1793	1798	rBV3	73599	134743	1.46%	0.165%
19	13.733	1804	1810	1814	rBV	2238390	3048232	33.04%	3.726%
20	13.780	1814	1818	1826	rVB	579377	782254	8.48%	0.956%
21	14.010	1850	1857	1870	rVB	2558588	3741592	40.55%	4.573%
22	14.221	1888	1893	1899	rBV2	78736	107065	1.16%	0.131%
23	14.315	1899	1909	1915	rBV2	1470334	2319754	25.14%	2.835%
24	14.380	1915	1920	1928	rVB	290552	442067	4.79%	0.540%
25	14.533	1939	1946	1955	rBV	1038587	1646713	17.85%	2.013%
26	14.715	1973	1977	1986	rVB	236347	367988	3.99%	0.450%
27	15.180	2052	2056	2061	rVB	108608	138736	1.50%	0.170%
28	15.315	2072	2079	2084	rBV	3112451	4406762	47.76%	5.386%
29	15.368	2084	2088	2094	rVB	341344	451191	4.89%	0.551%
30	15.445	2094	2101	2107	rBV	884683	1239409	13.43%	1.515%
31	15.539	2112	2117	2122	rBV7	43294	119658	1.30%	0.146%
32	15.662	2134	2138	2146	rVB5	66609	118492	1.28%	0.145%
33	15.809	2157	2163	2171	rVB3	67384	157514	1.71%	0.193%
34	16.039	2197	2202	2211	rBV3	143891	246557	2.67%	0.301%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	16.833	2333	2337	2341	rVV2	72523	97943	1.06%	0.120%
36	16.886	2341	2346	2356	rVB	131076	222299	2.41%	0.272%
37	17.068	2370	2377	2380	rBV2	2018867	2883336	31.25%	3.524%
38	17.109	2380	2384	2388	rVB	1151892	1569702	17.01%	1.919%
39	17.168	2388	2394	2399	rBV	3454443	4950605	53.65%	6.051%
40	17.474	2441	2446	2452	rVB	155531	219774	2.38%	0.269%
41	17.574	2459	2463	2469	rBV4	57419	98503	1.07%	0.120%
42	17.939	2521	2525	2527	rBV	88549	122530	1.33%	0.150%
43	17.968	2527	2530	2542	rVV2	348404	746909	8.09%	0.913%
44	18.068	2543	2547	2551	rVV2	83291	123647	1.34%	0.151%
45	18.133	2552	2558	2562	rVV3	177123	307111	3.33%	0.375%
46	18.180	2562	2566	2570	rVB3	139047	202860	2.20%	0.248%
47	18.350	2590	2595	2604	rBV2	251117	452835	4.91%	0.554%
48	18.445	2607	2611	2617	rVB2	76511	121311	1.31%	0.148%
49	18.539	2622	2627	2638	rVB	335602	488479	5.29%	0.597%
50	19.127	2718	2727	2732	rBV	885790	1205893	13.07%	1.474%
51	19.186	2732	2737	2742	rVB	543322	682344	7.39%	0.834%
52	19.256	2745	2749	2757	rVB5	119544	179197	1.94%	0.219%
53	19.462	2778	2784	2793	rBV2	4464495	6936659	75.18%	8.479%
54	19.915	2854	2861	2866	rBV	7558724	9227137	100.00%	11.278%
55	19.992	2870	2874	2882	rVB2	134174	216046	2.34%	0.264%
56	20.092	2887	2891	2895	rVB	123326	147889	1.60%	0.181%
57	20.974	3037	3041	3052	rVB	864190	1088945	11.80%	1.331%
58	21.256	3082	3089	3094	rBV	2743045	3782089	40.99%	4.623%
59	21.291	3094	3095	3102	rVB	174109	161893	1.75%	0.198%
60	22.809	3349	3353	3357	rBV3	155514	262477	2.84%	0.321%
61	23.344	3436	3444	3456	rVB2	2672568	5204253	56.40%	6.361%
62	23.480	3460	3467	3474	rBV	1449957	2665421	28.89%	3.258%
63	24.091	3566	3571	3582	rVB6	164557	349980	3.79%	0.428%

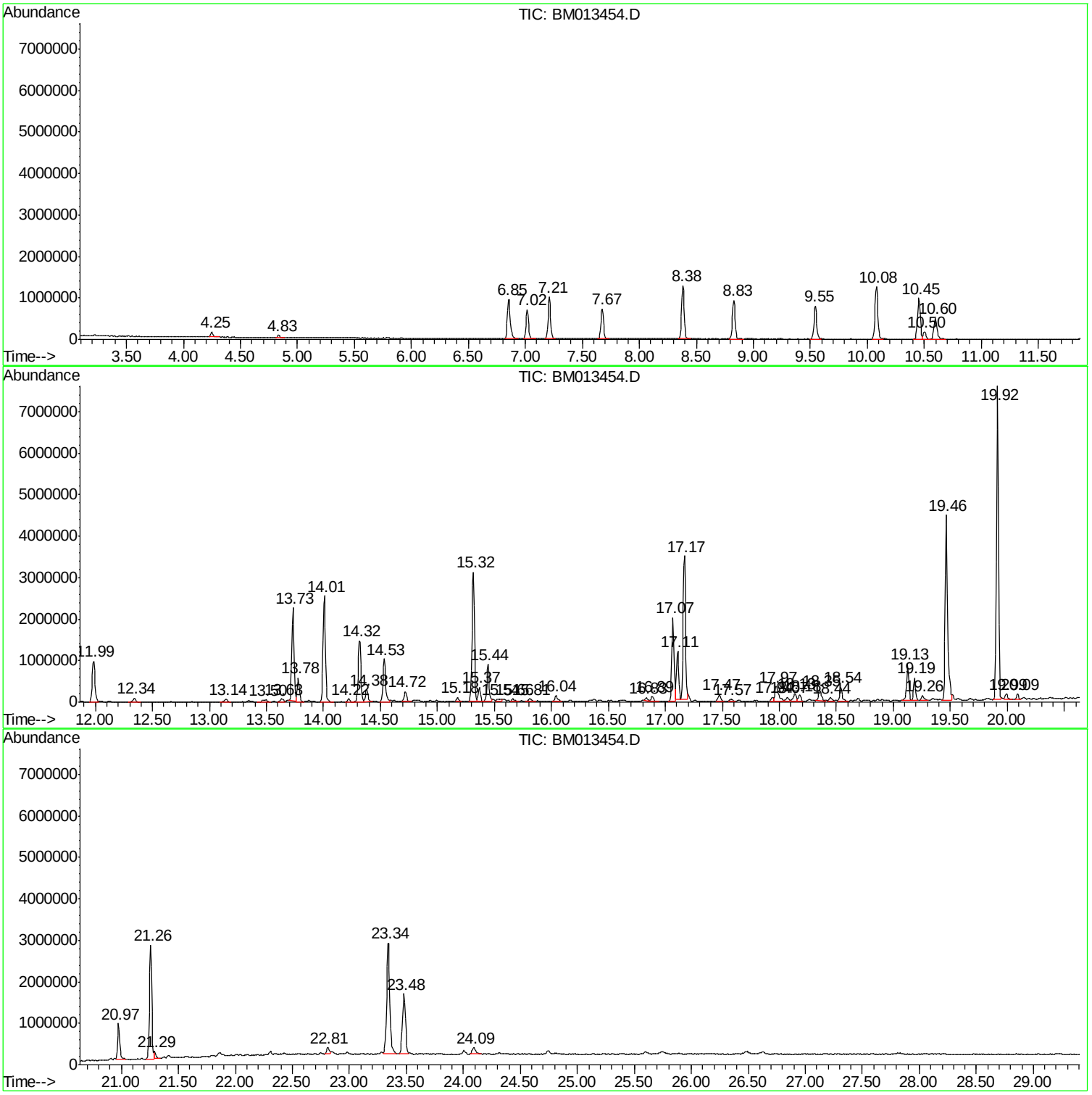
Sum of corrected areas: 81811772

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

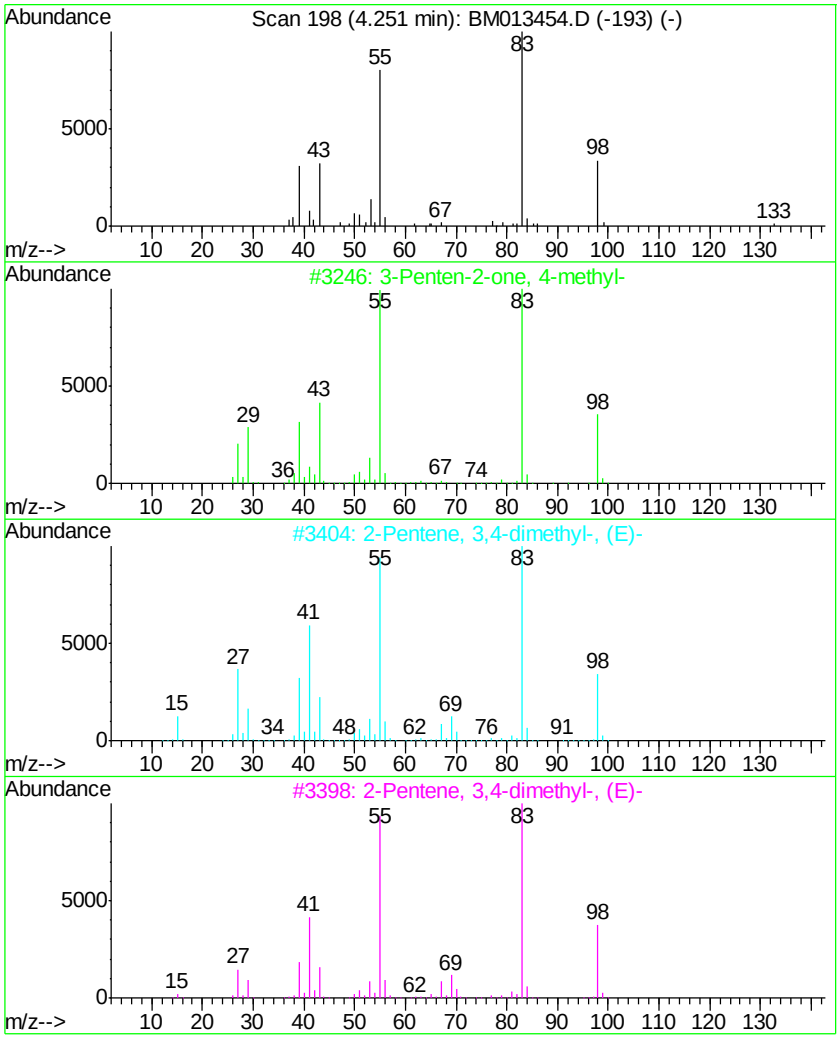
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

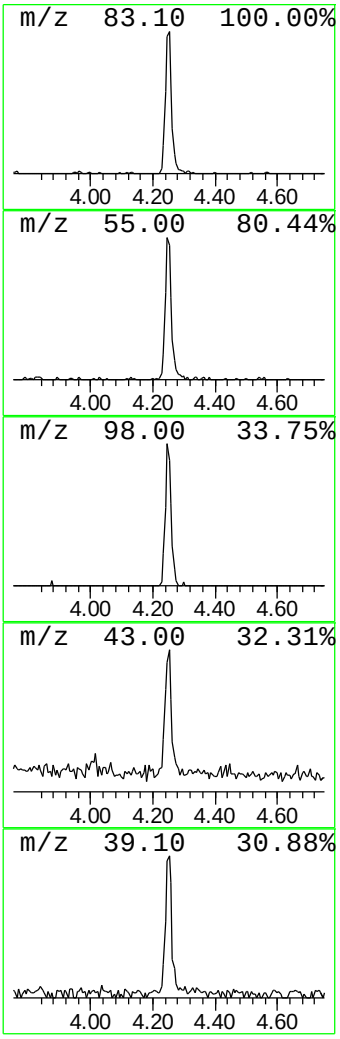
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	3.27 ng/ul	187776	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	87
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
4	3-Hexen-2-one	98	C6H10O	000763-93-9	86
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

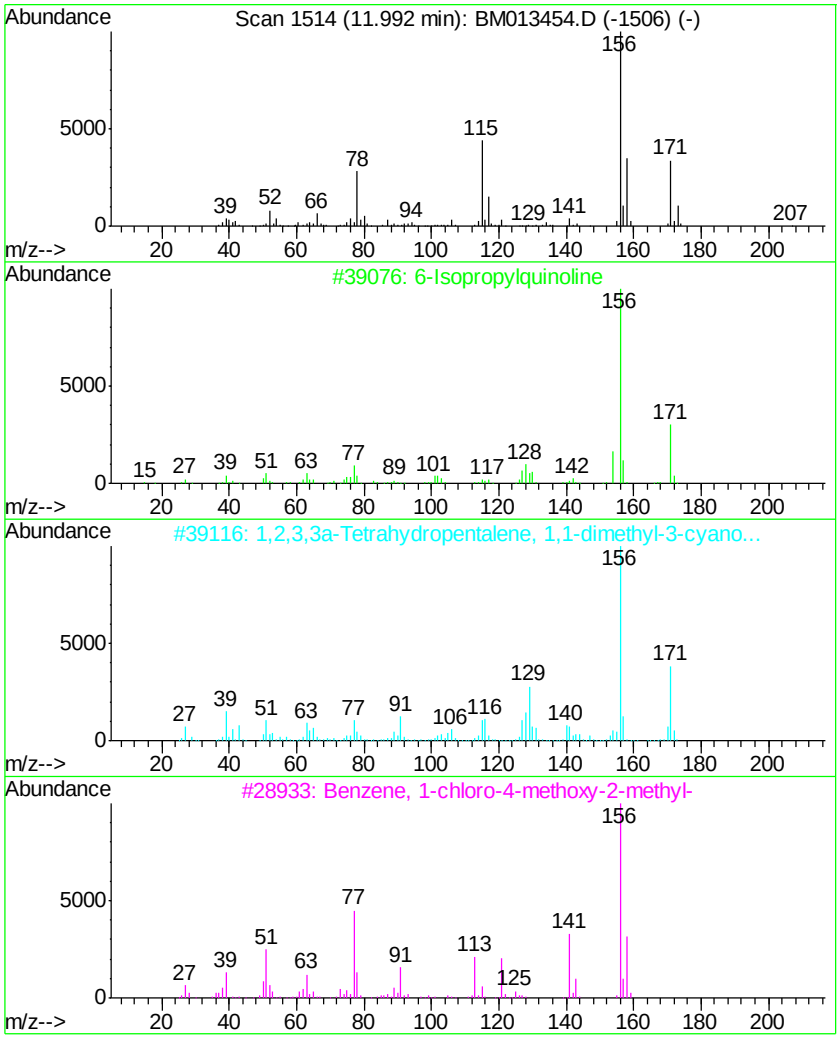
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

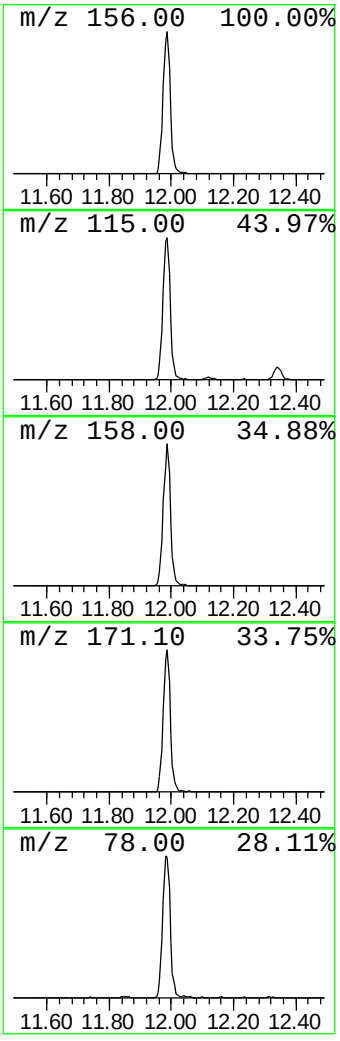
****

Peak Number 2 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	19.26 ng/ul	1596260	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Isopropylquinoline	171	C12H13N	000135-79-5	43
2	1,2,3,3a-Tetrahydropentalene, 1,...	171	C12H13N	1000217-17-0	37
3	Benzene, 1-chloro-4-methoxy-2-me...	156	C8H9ClO	013334-71-9	32
4	1,3-Diaza-5,6-dedihydrocyclohexa...	171	C6H9N3OS	021263-85-4	32
5	2-(2-Chloro-pyridin-3-yl)-propan...	171	C8H10ClNO	267003-35-0	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

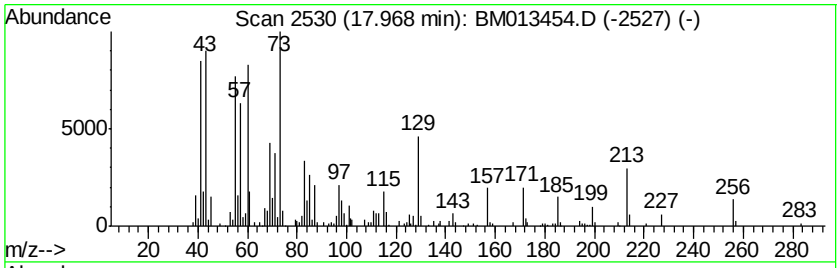
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

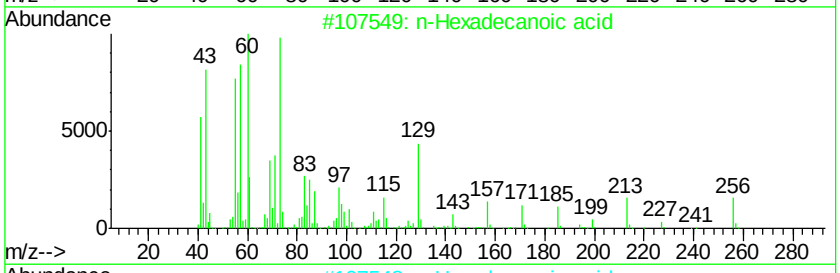
****

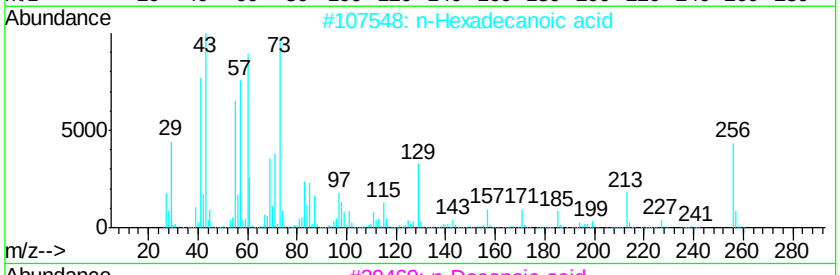
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

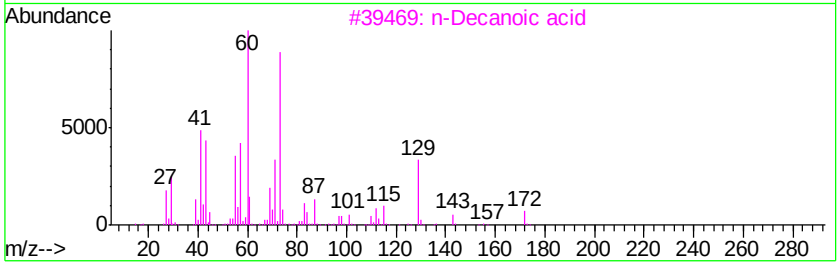
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.18 ng/ul	746909	Phenanthrene-d10	17.07

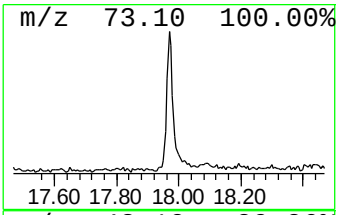
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	n-Decanoic acid	172	C10H20O2	000334-48-5	78
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	Undecanoic acid	186	C11H22O2	000112-37-8	64

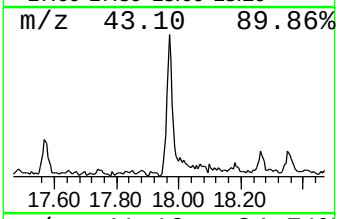


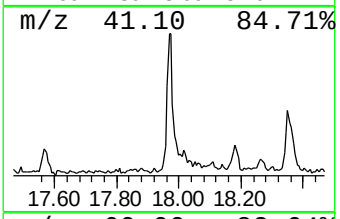


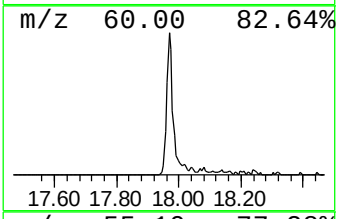


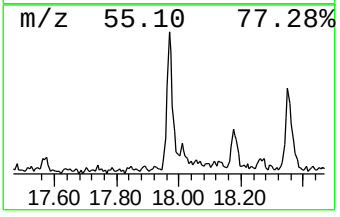












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

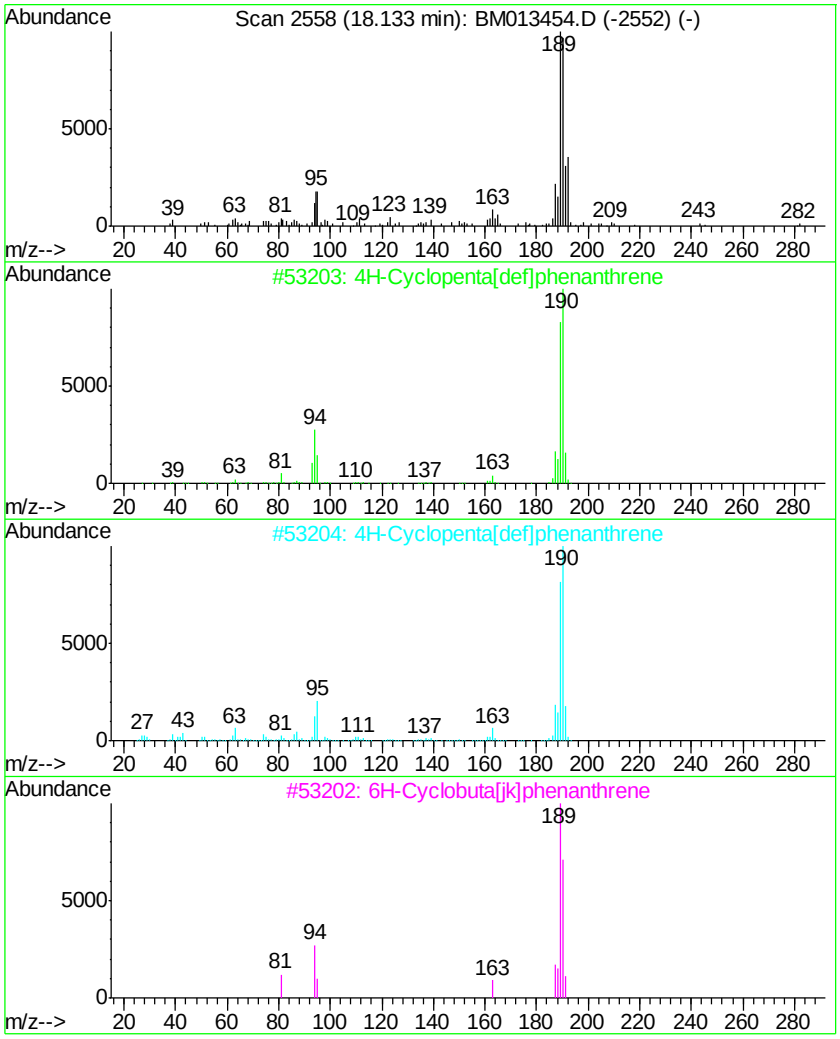
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

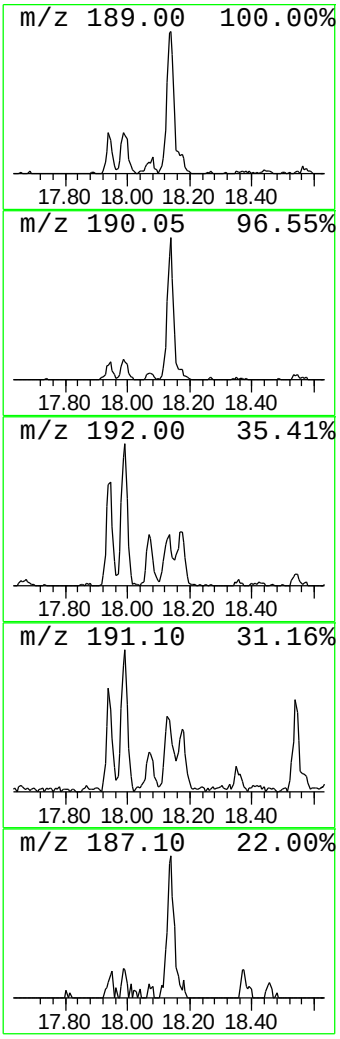
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.13 ng/ul	307111	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

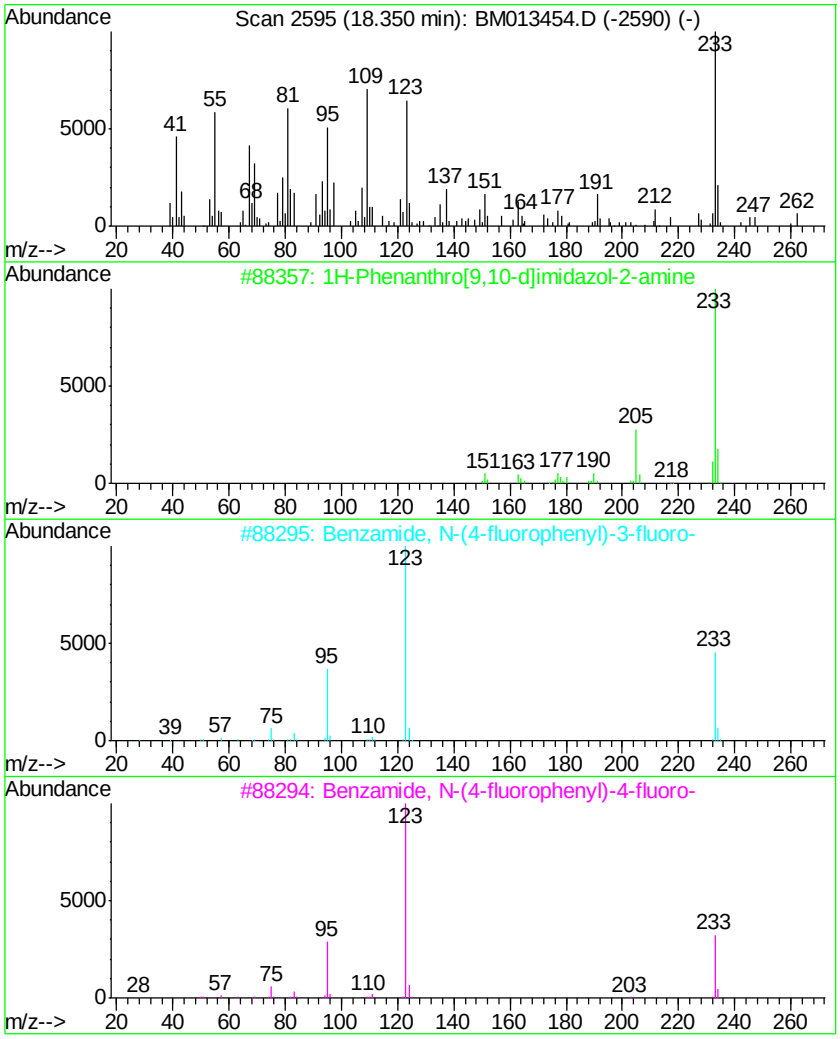
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

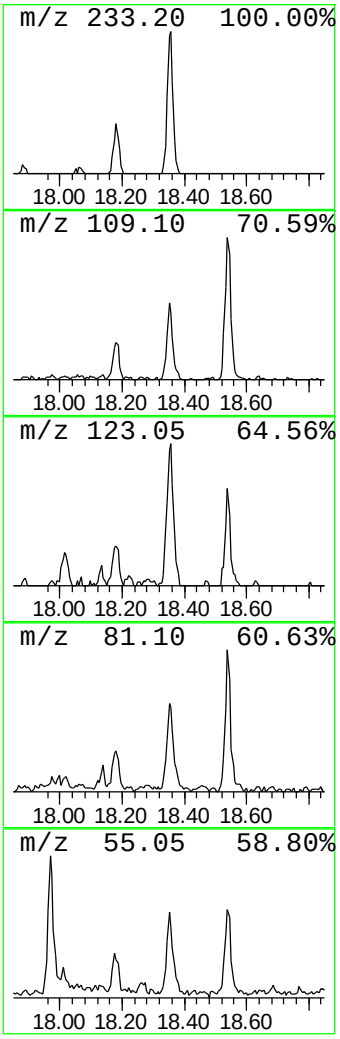
****

Peak Number 5 1H-Phenanthro[9,10-d]imidaz... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.14 ng/ul	452835	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	83
2	Benzamide, N-(4-fluorophenyl)-3-...	233	C13H9F2NO	1000307-16-3	46
3	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	46
4	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	43
5	Silane, tetra-2-propenyl-	192	C12H20Si	001112-66-9	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

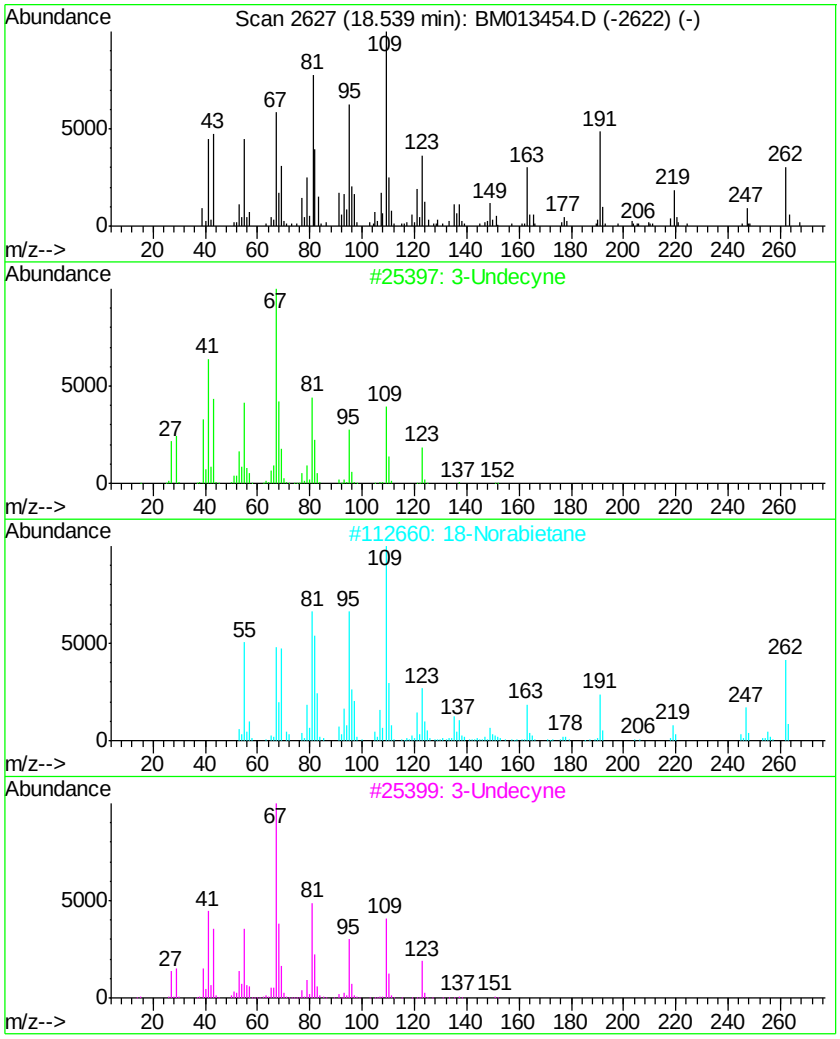
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

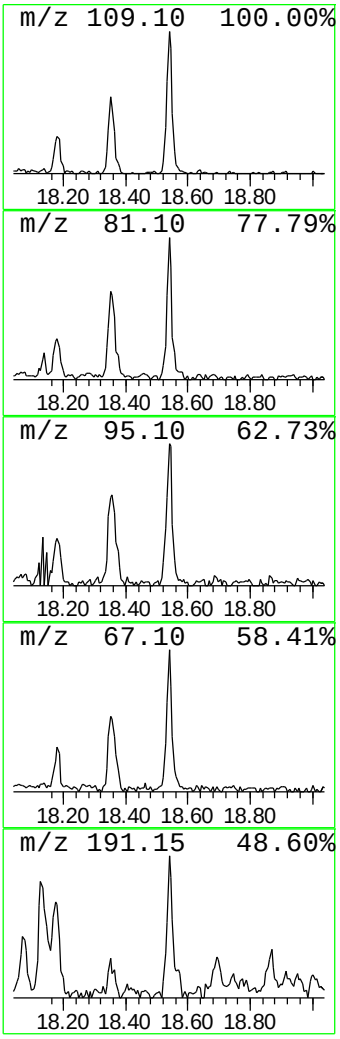
****

Peak Number 6 3-Undecyne Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.39 ng/ul	488479	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecyne	152	C11H20	060212-30-8	62
2	18-Norabietane	262	C19H34	1000293-16-6	46
3	3-Undecyne	152	C11H20	060212-30-8	38
4	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	35
5	8-Hexadecyne	222	C16H30	019781-86-3	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

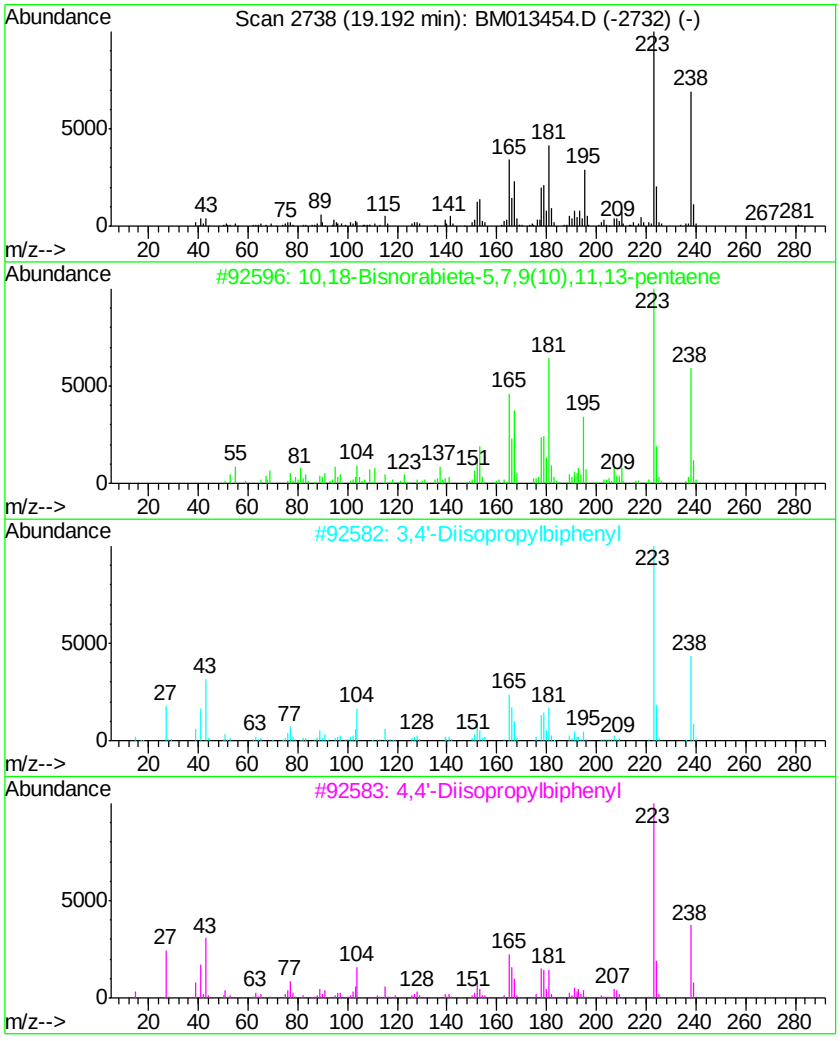
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

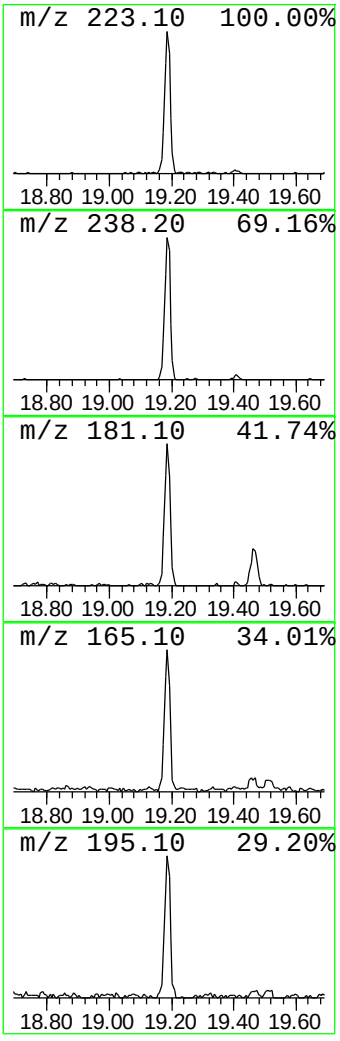
****

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.61 ng/ul	682344	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	78
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	70
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	64
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

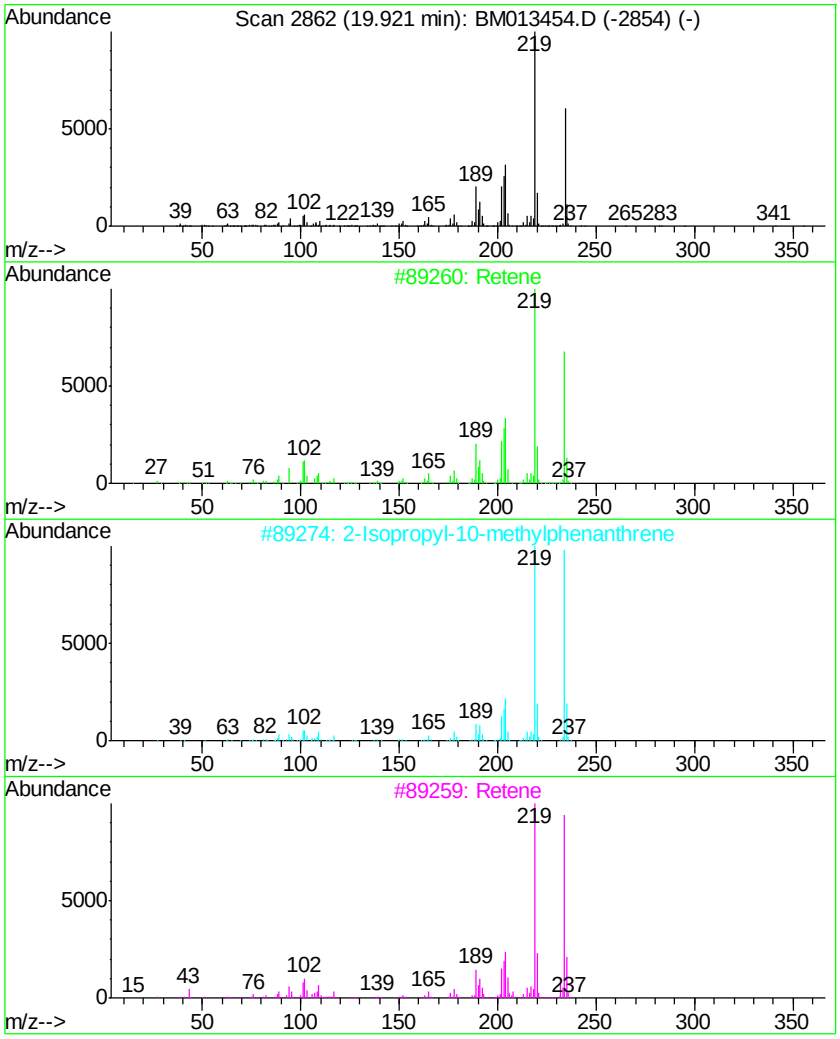
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

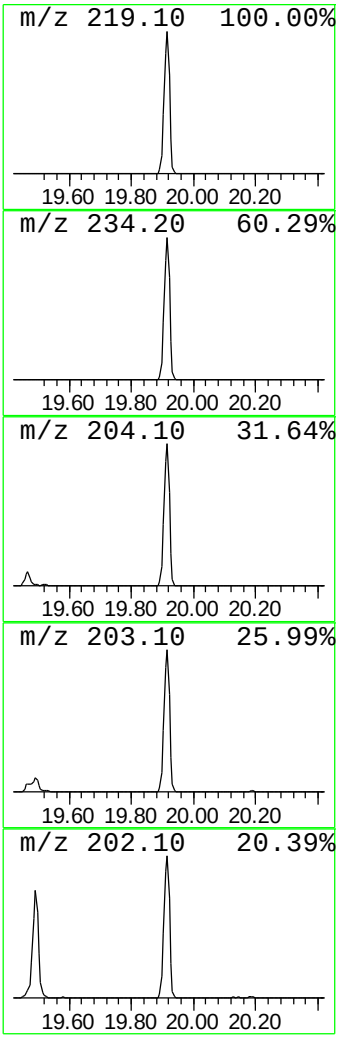
****

Peak Number 8 Retene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	48.79 ng/ul	9227140	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Retene	234	C18H18	000483-65-8	94
4	Retene	234	C18H18	000483-65-8	94
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

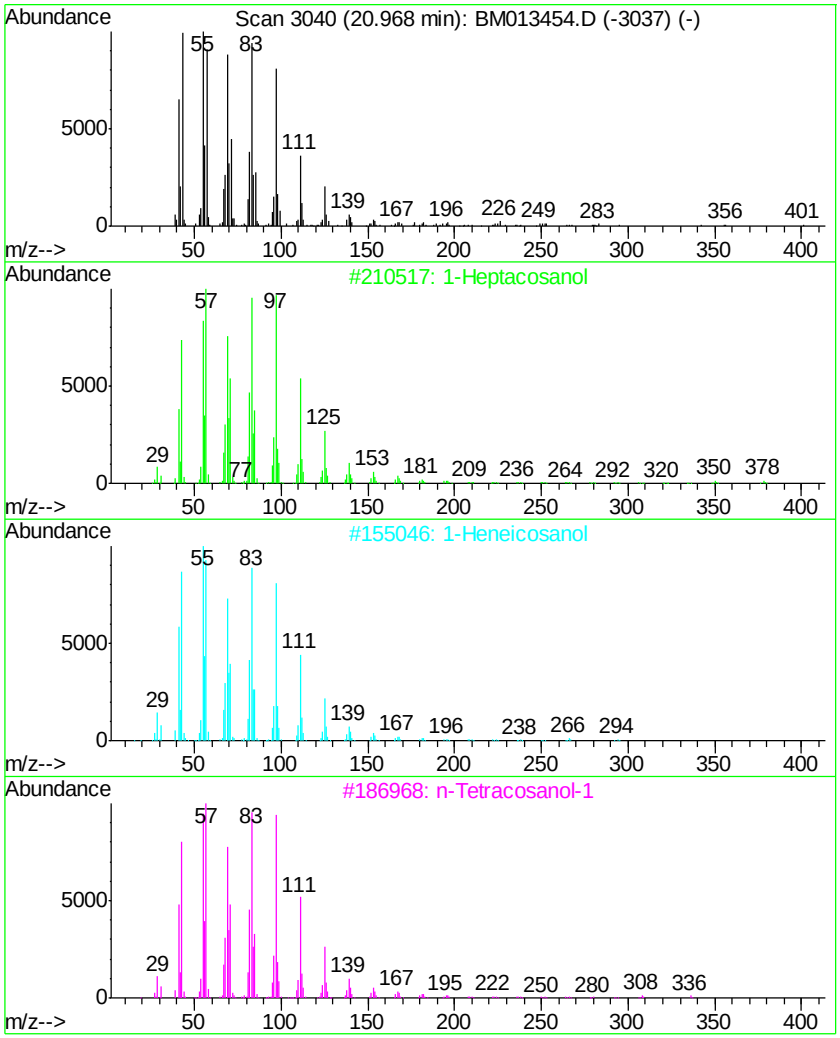
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

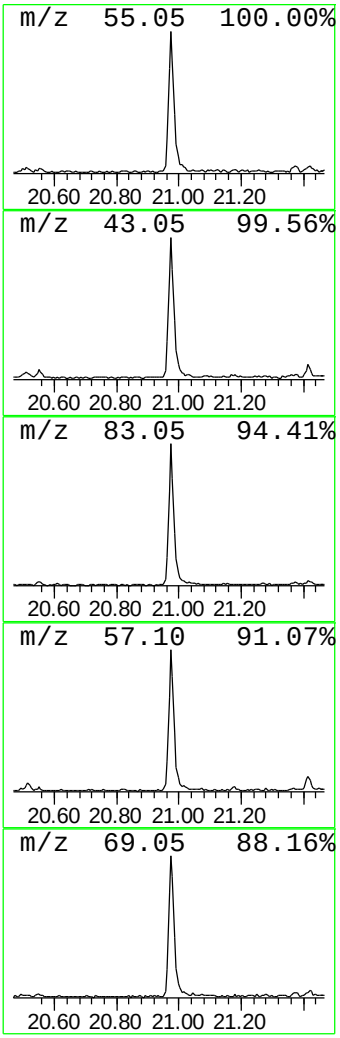
****

Peak Number 9 1-Heptacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	5.76 ng/ul	1088950	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Cyclopentadecane	210	C15H30	000295-48-7	93
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

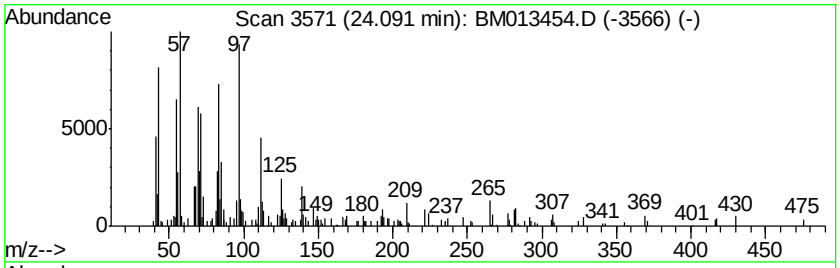
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

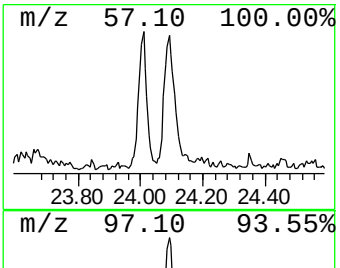
****

Peak Number 10 Docosyl trifluoroacetate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	2.63 ng/ul	349980	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosyl trifluoroacetate	422	C24H45F3O2	1000351-75-5	83
2	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	74
3	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	64
4	Heptacosyl pentafluoropropionate	542	C30H55F5O2	1000351-81-6	64
5	1-Docosene	308	C22H44	001599-67-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013454.D
Acq On : 16 Dec 2017 00:31
Operator : SJ/JU
Sample : I6779-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A88

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
3-Penten-2-one, 4...	4.25	3.3	ng/ul	187776	1	7.67	1149050	20.0
unknown-01	11.99	19.3	ng/ul	1596260	2	10.45	1657200	20.0
n-Hexadecanoic acid	17.97	5.2	ng/ul	746909	4	17.07	2883340	20.0
4H-Cyclopenta[def...	18.13	2.1	ng/ul	307111	4	17.07	2883340	20.0
1H-Phenanthro[9,1...	18.35	3.1	ng/ul	452835	4	17.07	2883340	20.0
3-Undecyne	18.54	3.4	ng/ul	488479	4	17.07	2883340	20.0
10,18-Bisnorabiet...	19.19	3.6	ng/ul	682344	5	21.26	3782090	20.0
Retene	19.92	48.8	ng/ul	9227140	5	21.26	3782090	20.0
1-Heptacosanol	20.97	5.8	ng/ul	1088950	5	21.26	3782090	20.0
Docosyl trifluoro...	24.09	2.6	ng/ul	349980	6	23.48	2665420	20.0