LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM020218\
Data File : BM014135.D
Acq On : 03 Feb 2018 04:07
Operator : SJ/JU
Sample : J1317-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6C77

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-BM013118.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	3.122	19	23	30	rVB5	20495	31922	1.51%	0.122%
2	3.622	105	108	111	rVB4	21192	23357	1.10%	0.089%
3	3.728	121	126	131	rVB3	45029	64978	3.07%	0.249%
4	3.928	156	160	165	rBV4	20363	26691	1.26%	0.102%
5	4.704	287	292	299	rBV2	35632	59456	2.81%	0.228%
6	5.975	501	508	513	rBV7	14915	27959	1.32%	0.107%
7	6.740	632	638	651	rBV	226123	492959	23.31%	1.886%
8	6.898	660	665	677	rBV	189089	298399	14.11%	1.142%
9	7.087	692	697	709	rBV	263405	451753	21.36%	1.729%
10	7.551	767	776	790	rBV	362998	631301	29.86%	2.416%
11	8.275	893	899	913	rBV	220849	465840	22.03%	1.782%
12	8.392	915	919	924	rVB4	16015	24162	1.14%	0.092%
13	8.710	967	973	985	rBV	259487	494120	23.37%	1.891%
14	9.098	1035	1039	1045	rVB4	18370	29322	1.39%	0.112%
15	9.428	1089	1095	1104	rBV2	221242	432309	20.44%	1.654%
16	9.969	1181	1187	1205	rBV2	234911	575029	27.19%	2.200%
17	10.322	1240	1247	1262	rBV	488948	847984	40.10%	3.245%
18	10.492	1270	1276	1284	rBV2	103637	265497	12.56%	1.016%
19	12.621	1633	1638	1644	rBV5	13364	24519	1.16%	0.094%
20	13.627	1803	1809	1814	rBV	618830	929207	43.94%	3.555%
21	13.674	1814	1817	1825	rVB	103838	193984	9.17%	0.742%
22	13.898	1849	1855	1867	rBV	738285	1136043	53.73%	4.347%
23	14.110	1887	1891	1897	rVB	34248	45029	2.13%	0.172%
24	14.204	1900	1907	1917	rVV2	726125	1169978	55.33%	4.477%
25	14.468	1946	1952	1965	rBV3	92378	303449	14.35%	1.161%
26	14.651	1978	1983	1988	rBV3	54562	85797	4.06%	0.328%
27	14.733	1994	1997	2003	rVB8	18347	28800	1.36%	0.110%
28	15.068	2050	2054	2059	rVB	45319	62570	2.96%	0.239%
29	15.210	2072	2078	2087	rBV	908738	1368734	64.73%	5.237%
30	15.357	2098	2103	2115	rBV	196573	396740	18.76%	1.518%
31	15.457	2117	2120	2128	rVB8	24923	56938	2.69%	0.218%
32	15.910	2190	2197	2200	rBV	103561	148538	7.02%	0.568%
33	16.515	2296	2300	2303	rBV5	13528	23539	1.11%	0.090%
34	16.962	2371	2376	2384	rBV	1068824	1487018	70.32%	5.690%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : F6C77

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-BM013118.M
Title : SVOA CALIBRATION

35	17.062	2387	2393	2402	rBV	968075	1485927	70.27%	5.686%
36	17.751	2506	2510	2514	rBV5	45889	73298	3.47%	0.280%
37	17.868	2525	2530	2539	rBV3	189024	328439	15.53%	1.257%
38	18.092	2564	2568	2573	rBV	68955	93236	4.41%	0.357%
39	18.492	2631	2636	2641	rVB8	28291	48647	2.30%	0.186%
40	18.733	2674	2677	2682	rBV5	48210	71747	3.39%	0.275%
41	19.115	2738	2742	2746	rBV	258264	319462	15.11%	1.222%
42	19.162	2746	2750	2756	rBV7	107651	200635	9.49%	0.768%
43	19.368	2779	2785	2790	rBV	1447263	2026270	95.83%	7.753%
44	19.415	2790	2793	2798	rVB	170138	236340	11.18%	0.904%
45	19.703	2839	2842	2846	rBV3	66759	81026	3.83%	0.310%
46	19.980	2886	2889	2894	rVB	89244	131256	6.21%	0.502%
47	20.474	2969	2973	2979	rBV	641994	833233	39.41%	3.188%
48	20.592	2991	2993	2996	rBV2	66606	62937	2.98%	0.241%
49	20.892	3040	3044	3048	rBV	294454	394521	18.66%	1.510%
50	21.168	3087	3091	3099	rBV	1596982	2058472	97.35%	7.876%
51	21.380	3123	3127	3138	rVB2	403676	661660	31.29%	2.532%
52	21.697	3178	3181	3188	rBV8	113929	200460	9.48%	0.767%
53	23.209	3432	3438	3446	rVB2	1180877	2114528	100.00%	8.091%
54	23.344	3456	3461	3475	rVB	1046910	2008487	94.99%	7.685%

Sum of corrected areas: 26134502

LSC Report - Integrated Chromatogram

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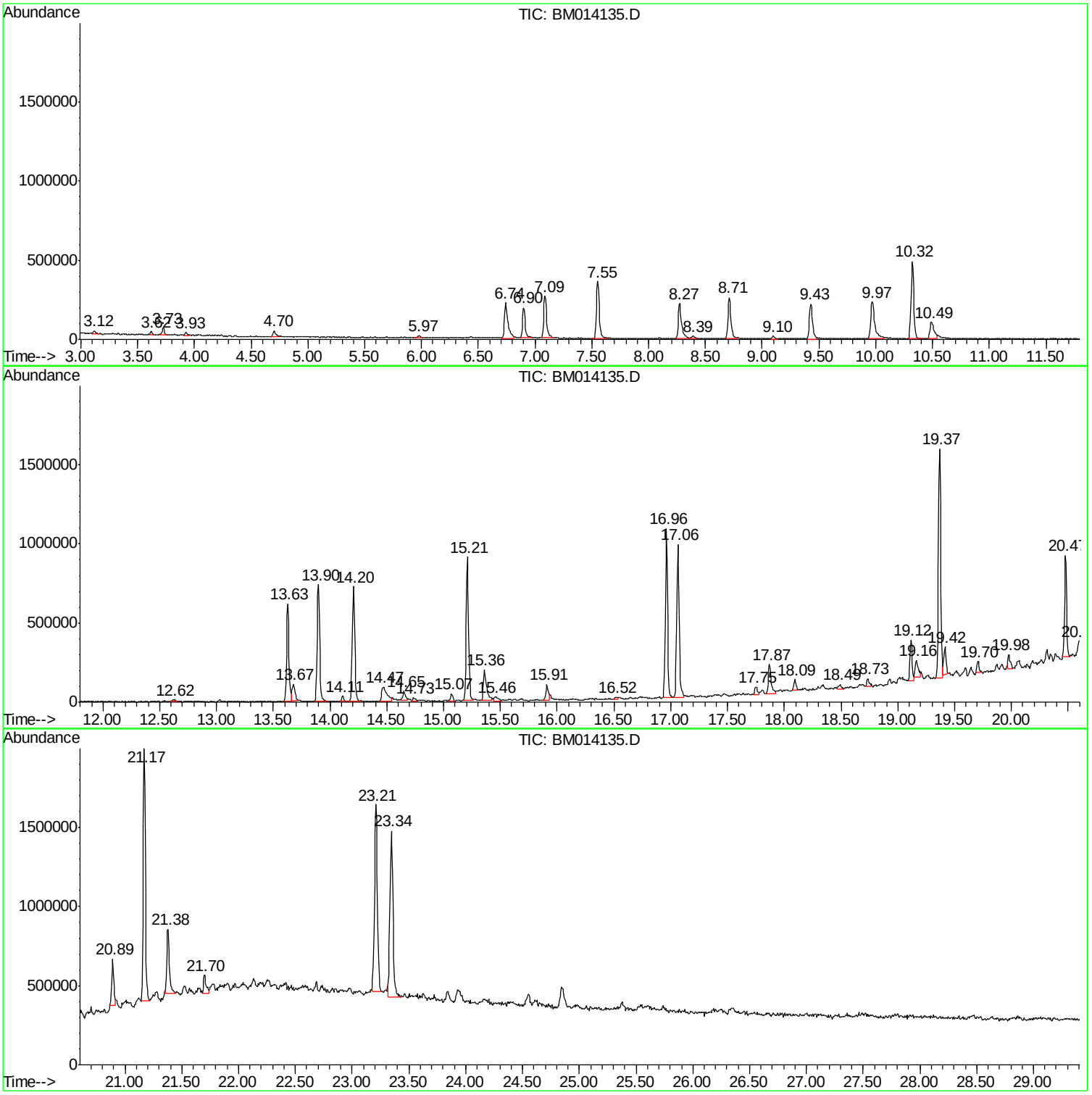
Operator : SJ/JU
Sample : J1317-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6C77

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6C77

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

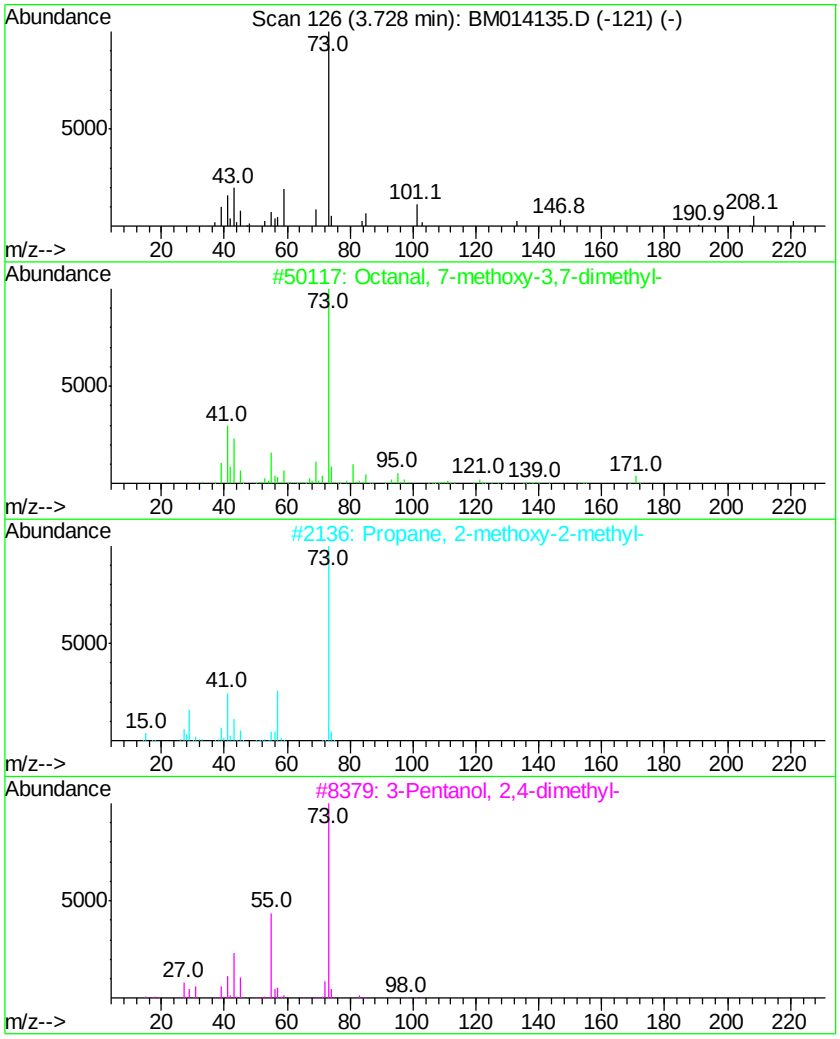
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

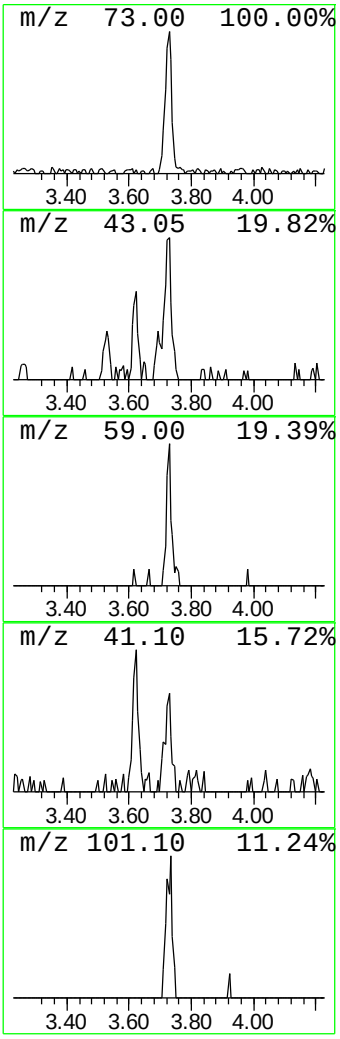
****

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	2.06 ng/ul	64978	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	12
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9
4	Pentanoic acid, 2-hydroxy-, ethy...	146	C7H14O3	006938-26-7	9
5	Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	9





Library Search Compound Report

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Sample : J1317-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6C77

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

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

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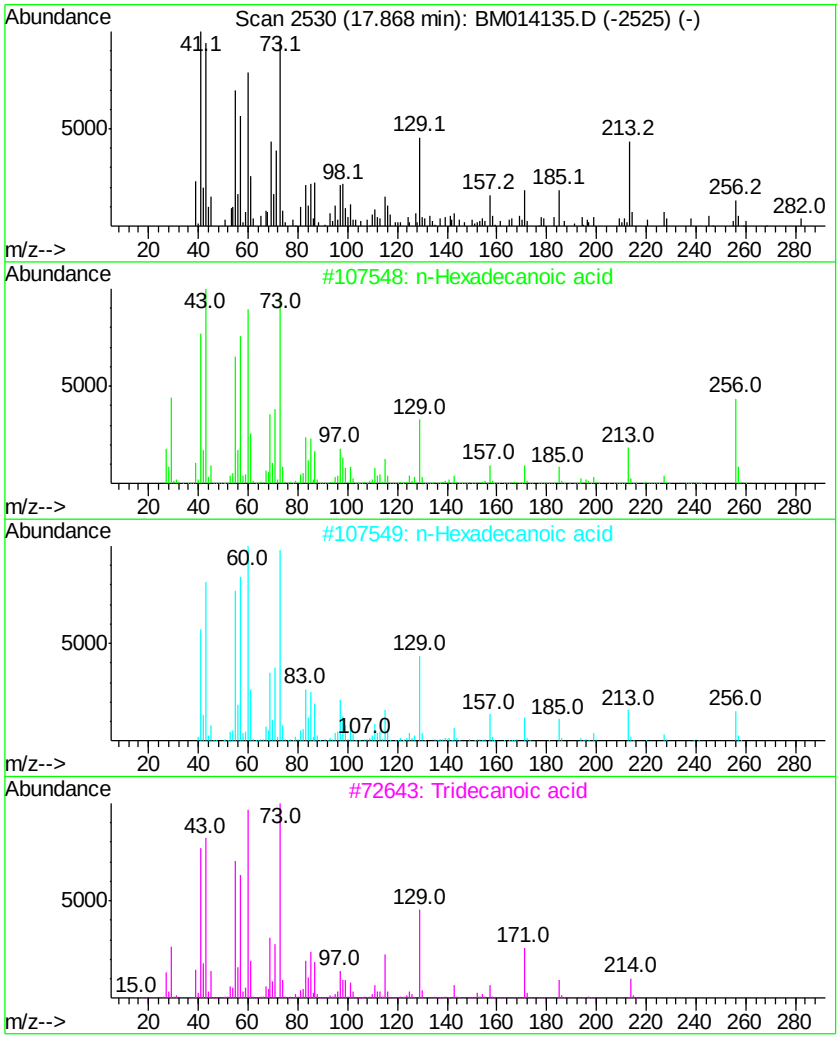
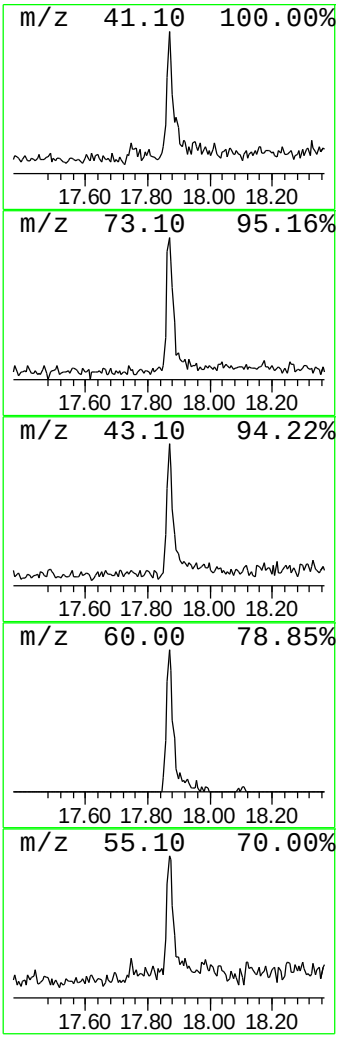
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	4.42 ng/ul	328439	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Operator : SJ/JU
Sample : J1317-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6C77

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION

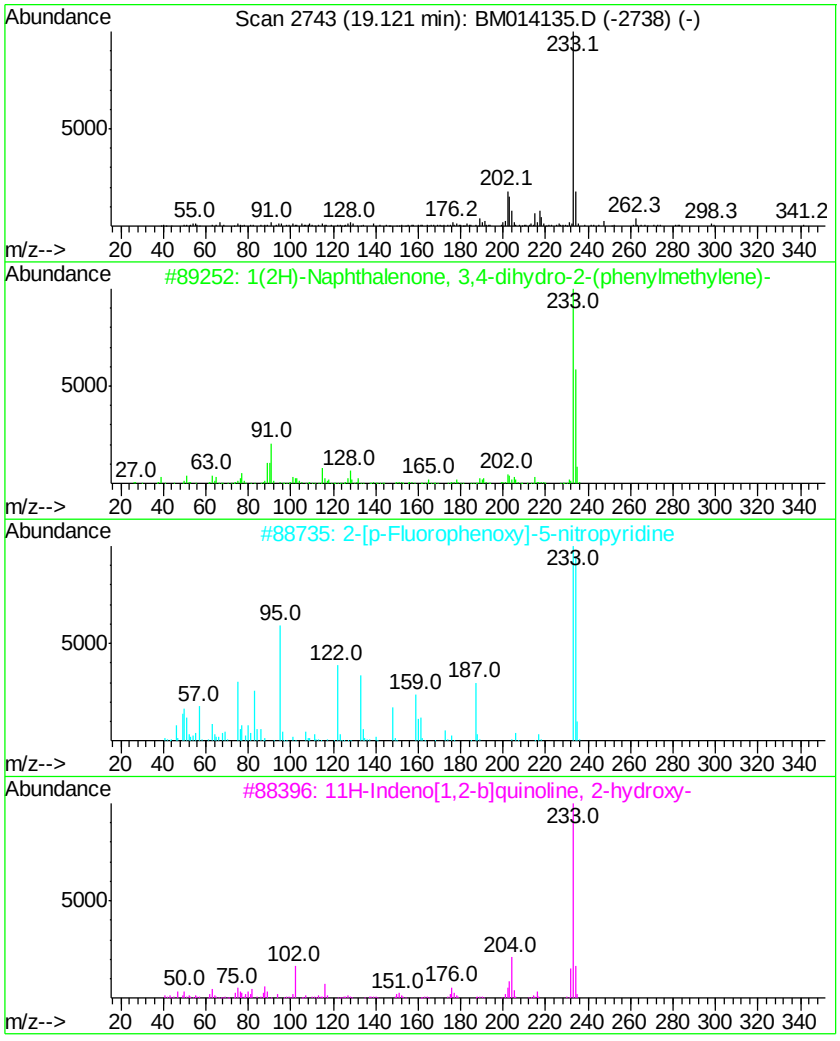
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

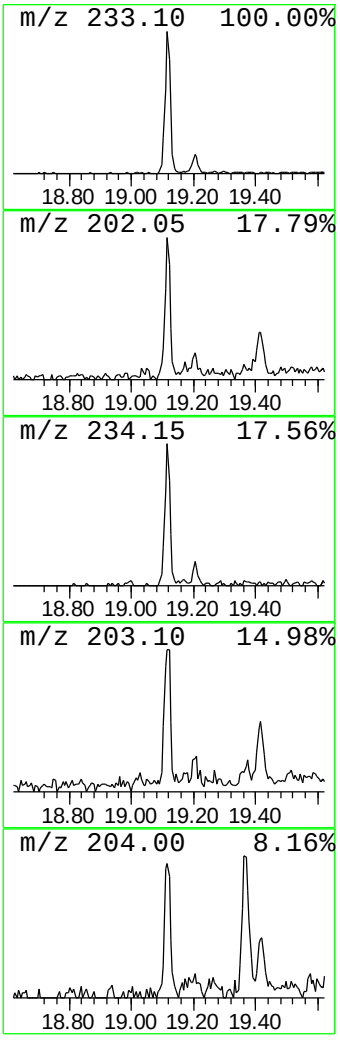
****

Peak Number 3 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	3.10 ng/ul	319462	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	234	C17H14O	006261-32-1	59
2	2-[p-Fluorophenoxy]-5-nitropyridine	234	C11H7FN2O3	031011-26-4	52
3	11H-Indeno[1,2-b]quinoline, 2-hy...	233	C16H11NO	1000214-19-5	50
4	Benzene, 1-bromo-4-(1,3-dichloro...	266	C9H9BrCl2	1000327-43-1	50
5	Cyclohexanone, (4-nitrophenyl)hy...	233	C12H15N3O2	001919-96-6	45





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Quant Title : SVOA CALIBRATION

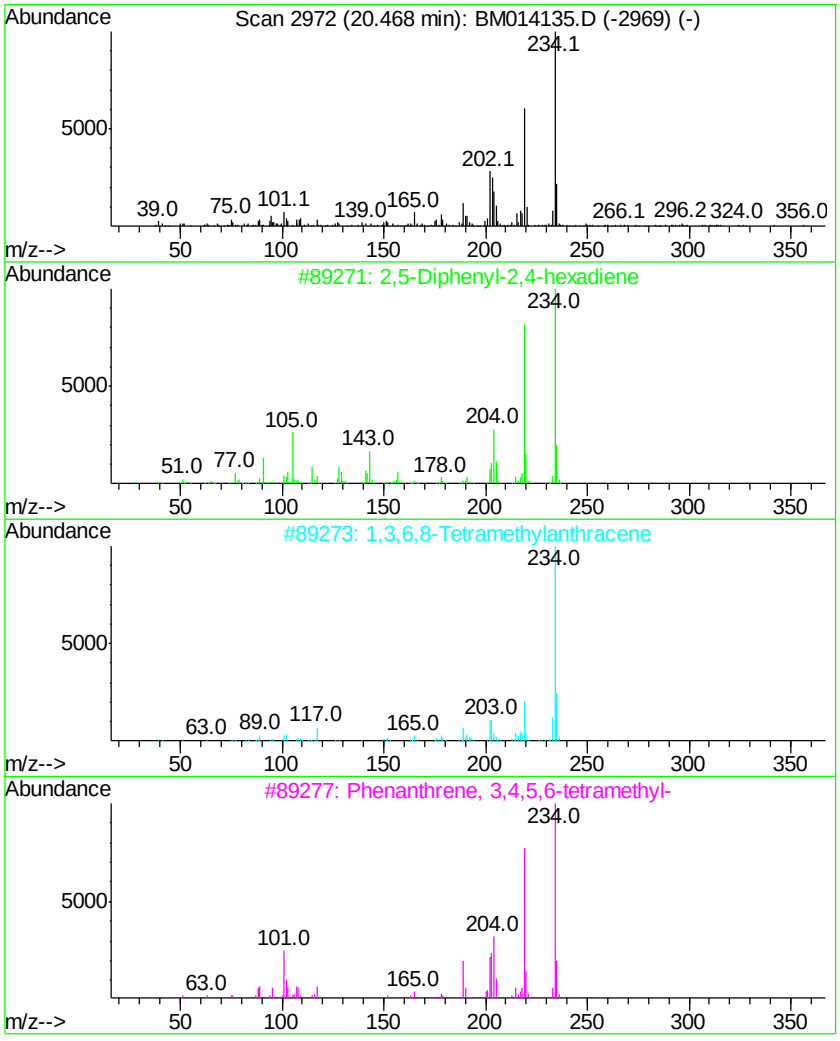
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

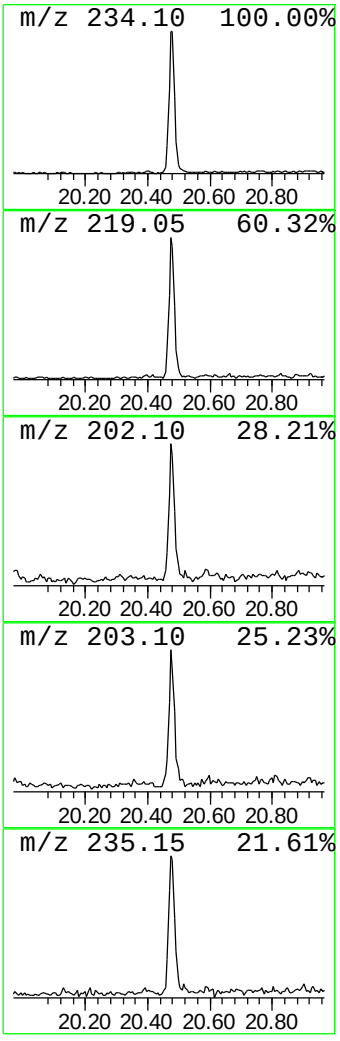
****

Peak Number 4 2,5-Diphenyl-2,4-hexadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	8.10 ng/ul	833233	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	81
2	1,3,6,8-Tetramethylanthracene	234	C18H18	017526-53-3	55
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	53
4	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	50
5	1,2,3,4,5,6-Hexahydrochrysene	234	C18H18	002091-91-0	46





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Quant Title : SVOA CALIBRATION

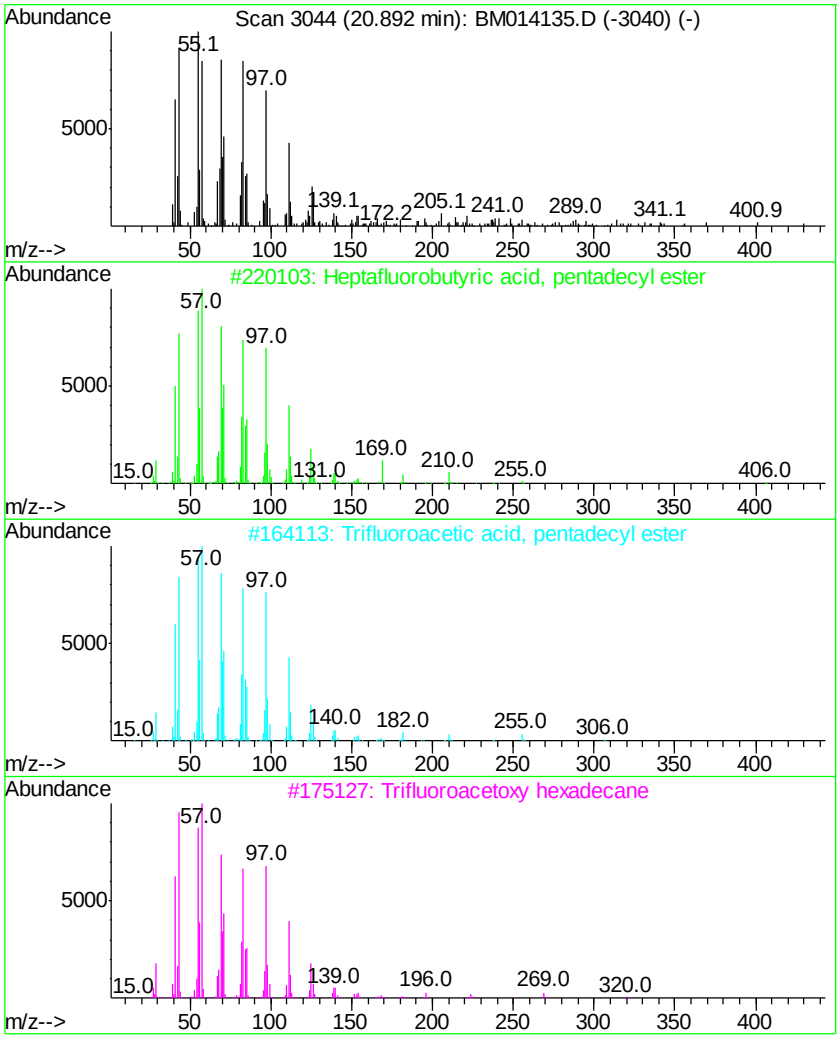
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

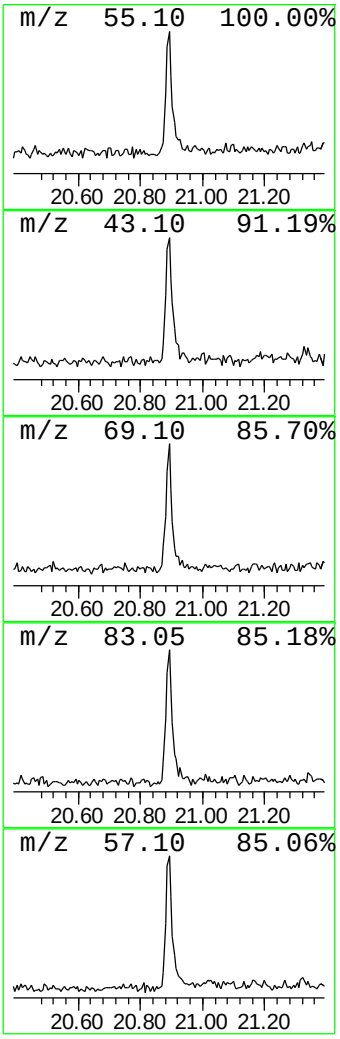
****

Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.83 ng/ul	394521	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	90
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90





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Quant Title : SVOA CALIBRATION

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

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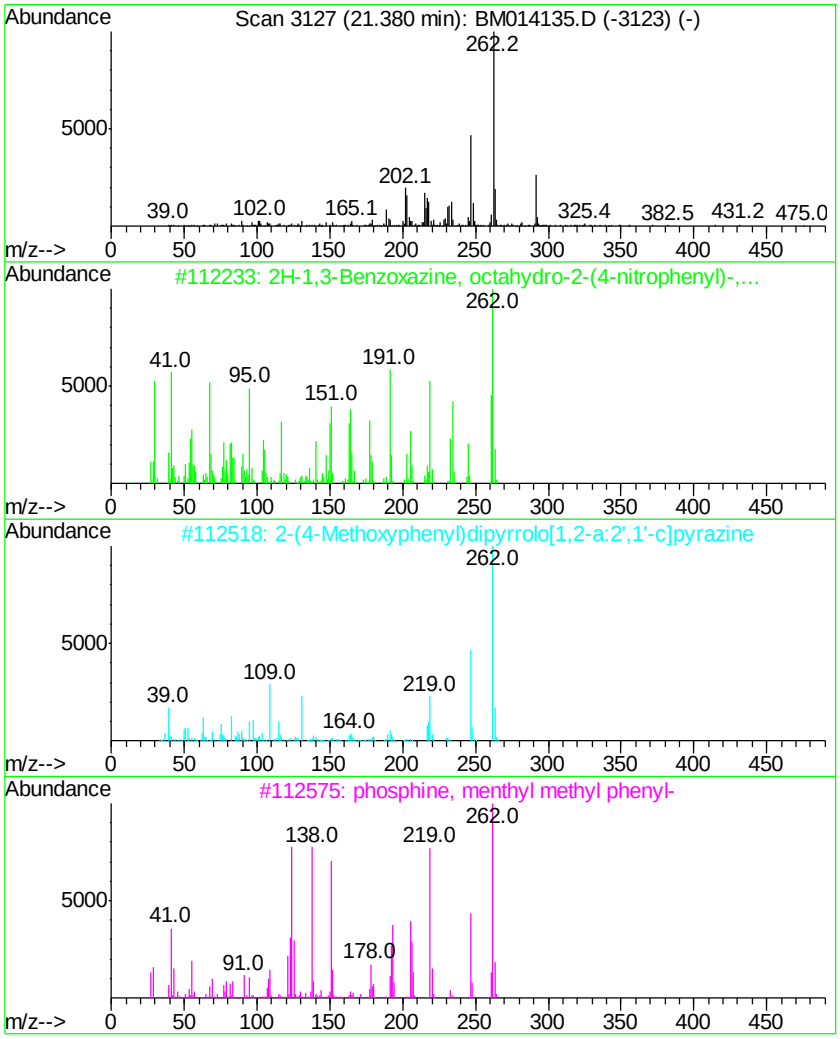
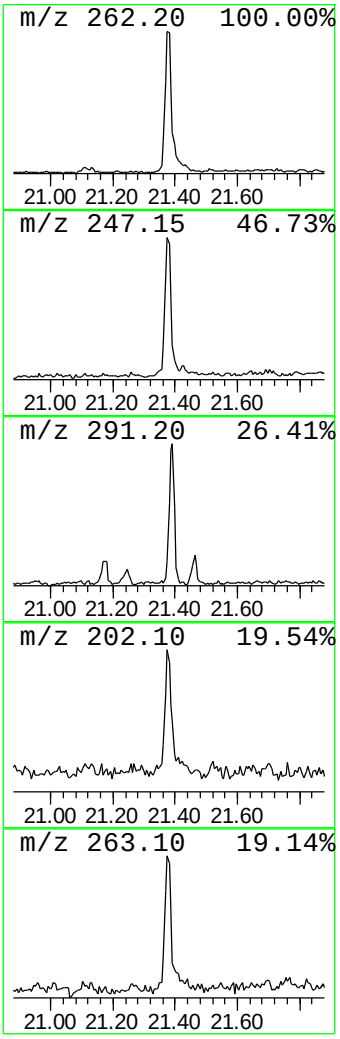
Peak Number 6 2H-1,3-Benzoxazine, octahyd... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	6.43 ng/ul	661660	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Benzoxazine, octahydro-2-...	262	C14H18N2O3	081969-58-6	95
2	2-(4-Methoxyphenyl)dipyrrolo[1,2...	262	C17H14N2O	199461-99-9	64
3	phosphine, menthyl methyl phenyl-	262	C17H27P	1000158-09-6	55
4	8-Methoxy-11-methyl-11H-indolo[3...	262	C17H14N2O	155249-59-5	52
5	Butanoic acid, 3-oxo-2-pyperonyl...	262	C14H14O5	019411-82-6	47





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
unknown-01	3.73	2.1	ng/ul	64978	1	7.55	631301	20.0
n-Hexadecanoic acid	17.87	4.4	ng/ul	328439	4	16.96	1487020	20.0
1(2H)-Naphthaleno...	19.12	3.1	ng/ul	319462	5	21.17	2058470	20.0
2,5-Diphenyl-2,4-...	20.47	8.1	ng/ul	833233	5	21.17	2058470	20.0
Heptafluorobutyri...	20.89	3.8	ng/ul	394521	5	21.17	2058470	20.0
2H-1,3-Benzoxazin...	21.38	6.4	ng/ul	661660	5	21.17	2058470	20.0