LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

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-BM062216.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	6.828	714	721	732	rBV	889528	1486669	18.62%	1.828%
2	6.998	743	750	760	rBV	673681	1064507	13.33%	1.309%
3	7.193	777	783	793	rVB	890946	1430238	17.91%	1.759%
4	7.663	855	863	871	rBV	818741	1362619	17.07%	1.675%
5	8.363	974	982	995	rBV	1113994	1838240	23.02%	2.260%
6	8.810	1049	1058	1070	rBV	818357	1416761	17.74%	1.742%
7	9.528	1173	1180	1194	rVB	677860	1158064	14.50%	1.424%
8	10.063	1263	1271	1286	rBV	1089153	1863233	23.34%	2.291%
9	10.439	1327	1335	1349	rVB	1144739	2021508	25.32%	2.486%
10	10.581	1351	1359	1373	rBV	893986	1603036	20.08%	1.971%
11	13.722	1886	1893	1897	rBV	1749409	2558911	32.05%	3.146%
12	13.769	1897	1901	1919	rVB	462067	743737	9.32%	0.914%
13	13.998	1929	1940	1952	rBV	2047098	3145972	39.40%	3.868%
14	14.310	1986	1993	2001	rVB2	1592918	2608450	32.67%	3.207%
15	14.504	2019	2026	2041	rBV	916783	1400913	17.55%	1.723%
16	15.304	2155	2162	2169	rBV	2698650	3922846	49.13%	4.823%
17	15.421	2176	2182	2194	rBV	775304	1125697	14.10%	1.384%
18	17.057	2453	2460	2470	rBV2	2168876	3202364	40.11%	3.938%
19	17.151	2470	2476	2488	rVB2	2775884	4096891	51.31%	5.037%
20	17.957	2608	2613	2620	rBV2	121811	178799	2.24%	0.220%
21	18.415	2685	2691	2699	rBV2	177711	265119	3.32%	0.326%
22	18.680	2732	2736	2743	rVB	233638	301111	3.77%	0.370%
23	18.927	2774	2778	2784	rVB2	95061	117981	1.48%	0.145%
24	19.080	2798	2804	2809	rBV3	75855	137607	1.72%	0.169%
25	19.245	2828	2832	2839	rBV7	44413	83418	1.04%	0.103%
26	19.374	2844	2854	2861	rVV	5000759	6798499	85.15%	8.359%
27	19.451	2861	2867	2875	rVB	3388500	4771241	59.76%	5.867%
28	19.586	2885	2890	2896	rBV	476386	626372	7.85%	0.770%
29	19.774	2918	2922	2928	rBV4	63807	87267	1.09%	0.107%
30	20.051	2965	2969	2978	rBV	262476	365021	4.57%	0.449%
31	20.227	2994	2999	3002	rBV	205519	282053	3.53%	0.347%
32	20.398	3020	3028	3034	rBV	5416172	7984235	100.00%	9.817%
33	20.451	3034	3037	3043	rVB2	181918	253575	3.18%	0.312%
34	20.568	3054	3057	3061	rVB5	67411	87215	1.09%	0.107%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
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Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

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-BM062216.M
Title : SVOA CALIBRATION

35	20.639	3064	3069	3073	rBV5	164809	250607	3.14%	0.308%
36	20.862	3103	3107	3110	rBV	164175	223215	2.80%	0.274%
37	20.909	3110	3115	3120	rBV	1134064	1420015	17.79%	1.746%
38	20.968	3120	3125	3129	rBV	1506139	1890954	23.68%	2.325%
39	21.050	3135	3139	3140	rBV2	468813	579484	7.26%	0.713%
40	21.068	3140	3142	3143	rVV	569085	557021	6.98%	0.685%
41	21.092	3143	3146	3157	rVB2	838089	1587053	19.88%	1.951%
42	21.245	3167	3172	3182	rBV	2914549	3830329	47.97%	4.710%
43	21.668	3240	3244	3248	rBV	258393	317111	3.97%	0.390%
44	21.792	3261	3265	3270	rBV	589506	760507	9.53%	0.935%
45	22.050	3306	3309	3313	rBV3	110837	137192	1.72%	0.169%
46	22.433	3370	3374	3381	rVB	198267	290597	3.64%	0.357%
47	22.803	3434	3437	3441	rVB	178968	237254	2.97%	0.292%
48	23.321	3518	3525	3531	rBV2	2276886	4378619	54.84%	5.384%
49	23.462	3543	3549	3559	rVB	1918139	3667508	45.93%	4.510%
50	24.003	3637	3641	3647	rVB	224718	394405	4.94%	0.485%
51	24.080	3650	3654	3667	rVB2	184813	416429	5.22%	0.512%

Sum of corrected areas: 81328469

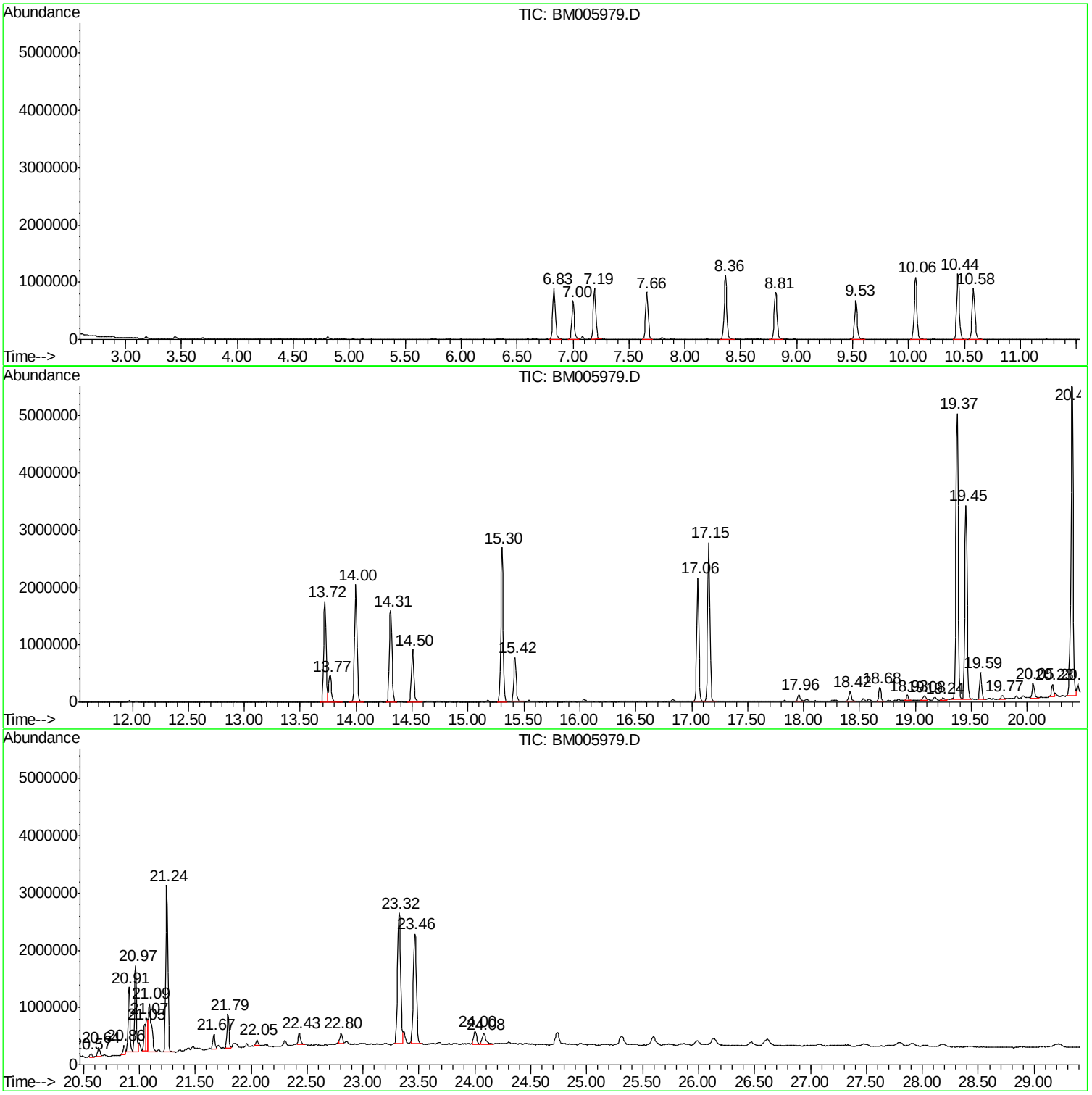
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.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\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

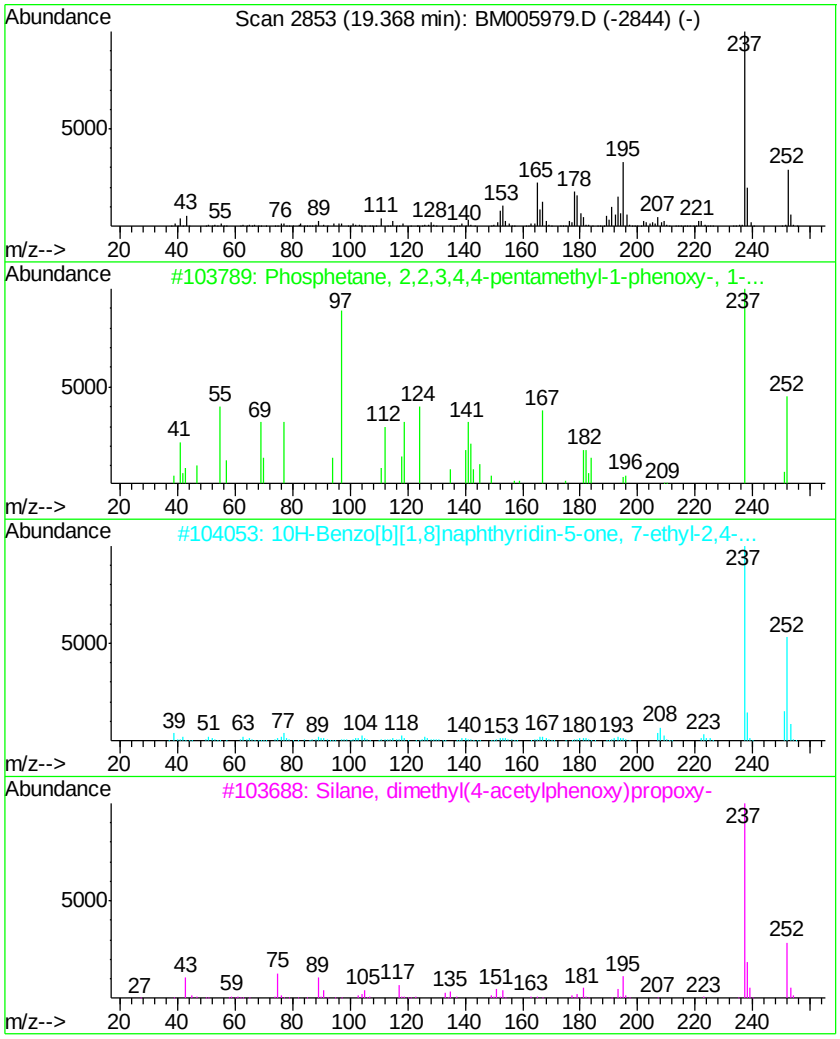
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

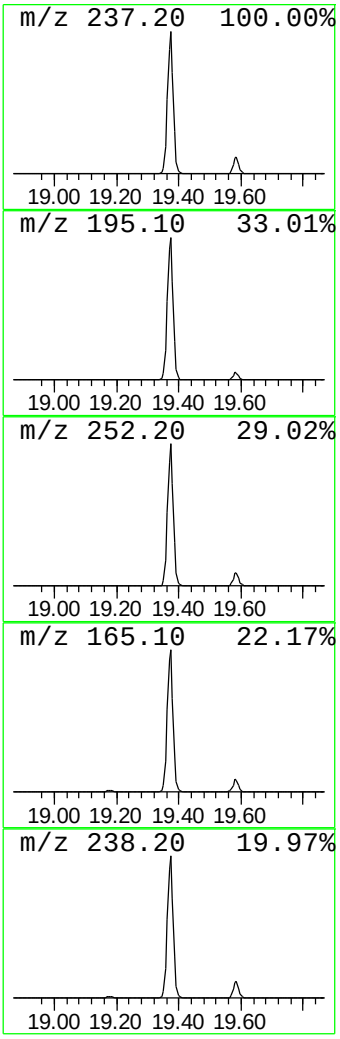
****

Peak Number 1 Phosphetane, 2,2,3,4,4-pent... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	35.50 ng/ul	6798500	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphetane, 2,2,3,4,4-pentameth...	252	C14H21O2P	050517-26-5	89
2	10H-Benzo[b][1,8]naphthyridin-5-...	252	C16H16N2O	1000302-05-2	62
3	Silane, dimethyl(4-acetylphenoxy...	252	C13H20O3Si	1000347-30-8	58
4	2-(Carboxymethylene)-4,4-dimethy...	270	C13H18O6	180691-11-6	58
5	Adamantane-1-carboxylic acid, 3-...	237	C13H19NO3	1000303-75-9	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

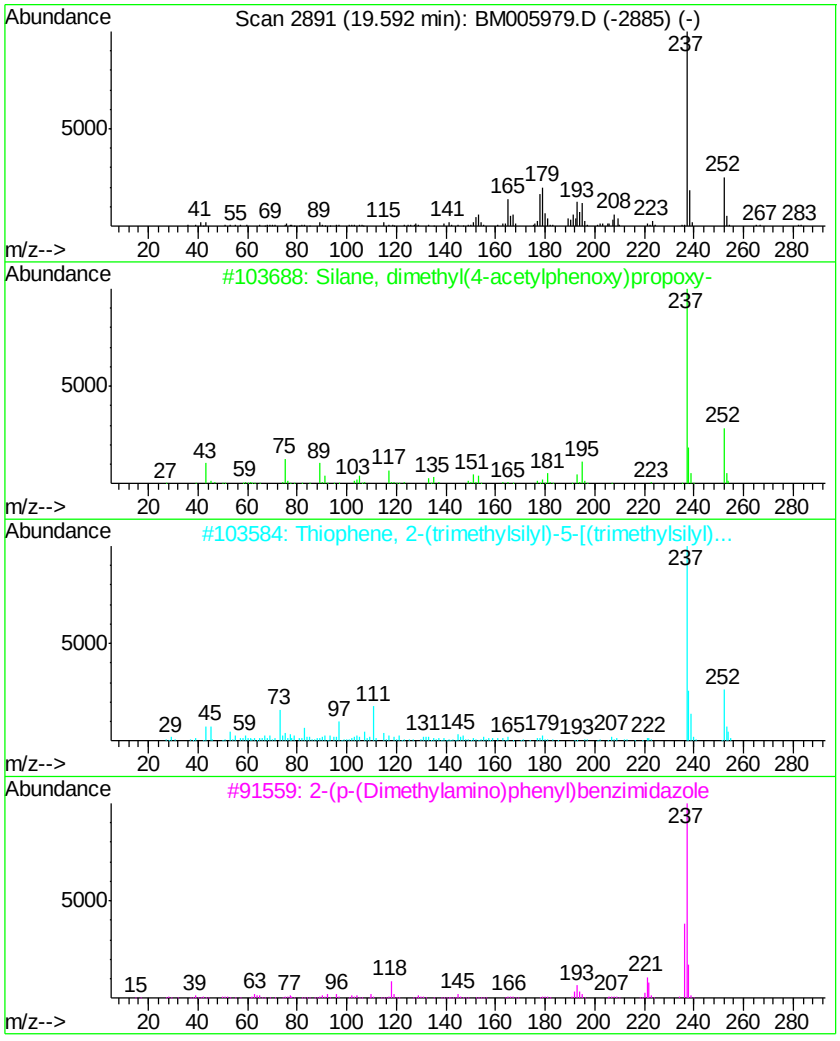
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

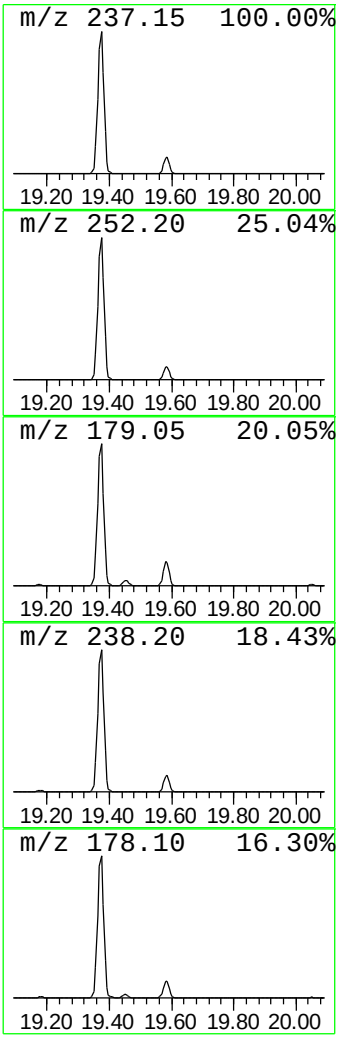
****

Peak Number 2 Silane, dimethyl(4-acetylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.27 ng/ul	626372	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dimethyl(4-acetylphenoxy...	252	C13H20O3Si	1000347-30-8	76
2	Thiophene, 2-(trimethylsilyl)-5-...	252	C12H20SSi2	1000142-86-0	52
3	2-(p-(Dimethylamino)phenyl)benzi...	237	C15H15N3	002562-71-2	50
4	9-Acetamido-1,8-dimethyl-3,6-dia...	237	C13H23N3O	147084-72-8	49
5	2-Benzo[1,3]dioxol-5-yl-indolizine	237	C15H11NO2	1000301-42-4	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

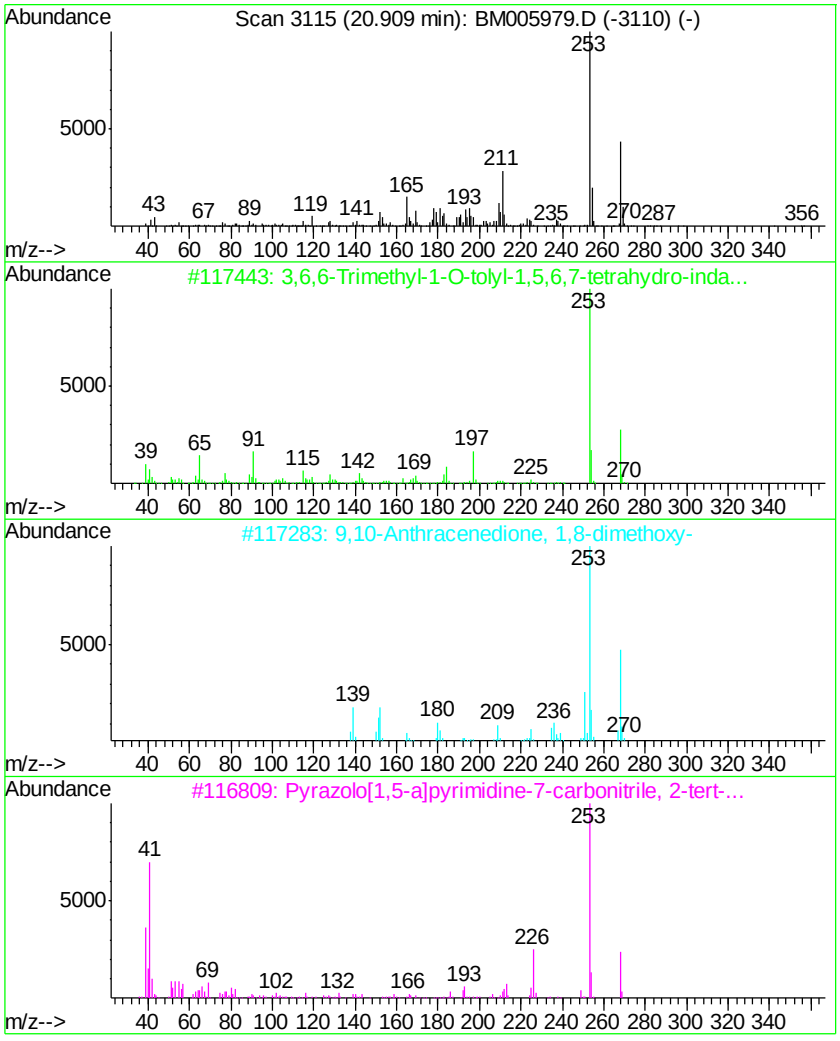
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

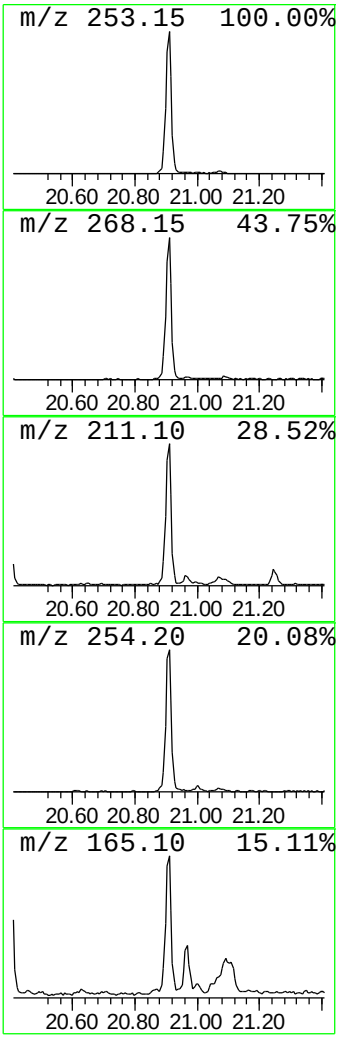
****

Peak Number 3 3,6,6-Trimethyl-1-O-tolyl-1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	7.41 ng/ul	1420020	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,6-Trimethyl-1-O-tolyl-1,5,6,...	268	C17H20N2O	1000295-04-0	59
2	9,10-Anthracenedione, 1,8-dimeth...	268	C16H12O4	006407-55-2	59
3	Pyrazolo[1,5-a]pyrimidine-7-carb...	268	C12H11F3N4	1000264-96-1	53
4	Phenol, 2-(1,1-dimethylethyl)-4-...	268	C19H24O	056187-92-9	45
5	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
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Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

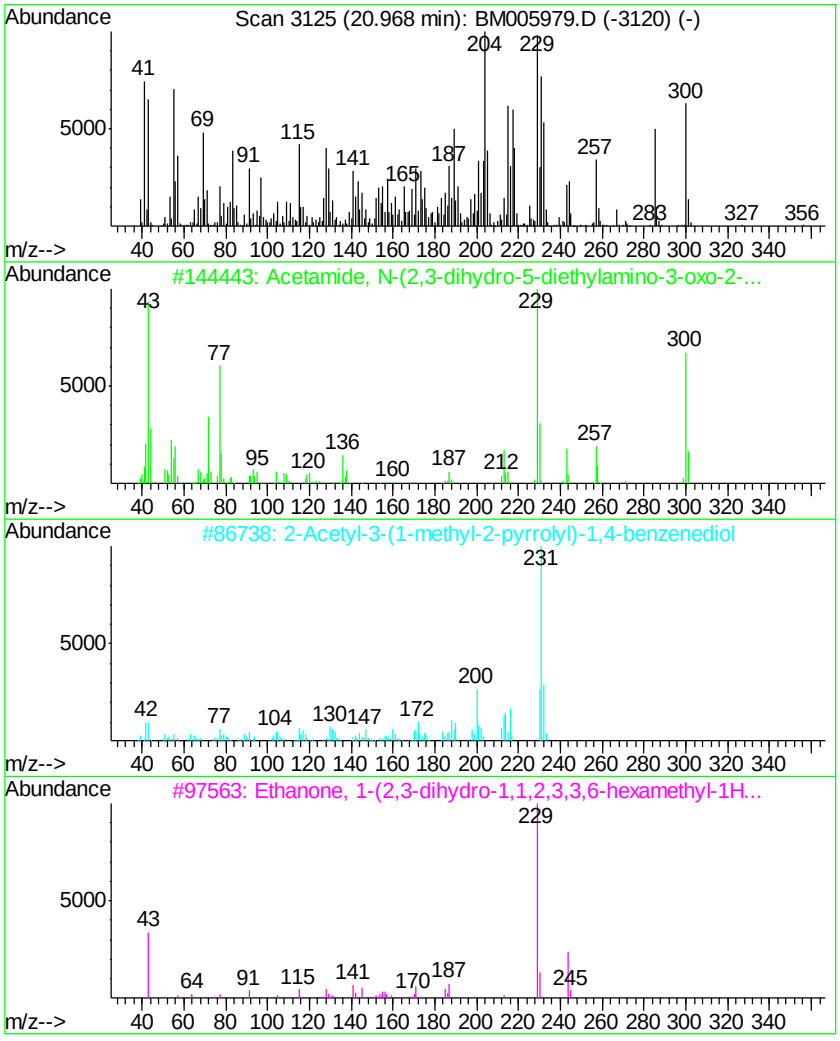
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

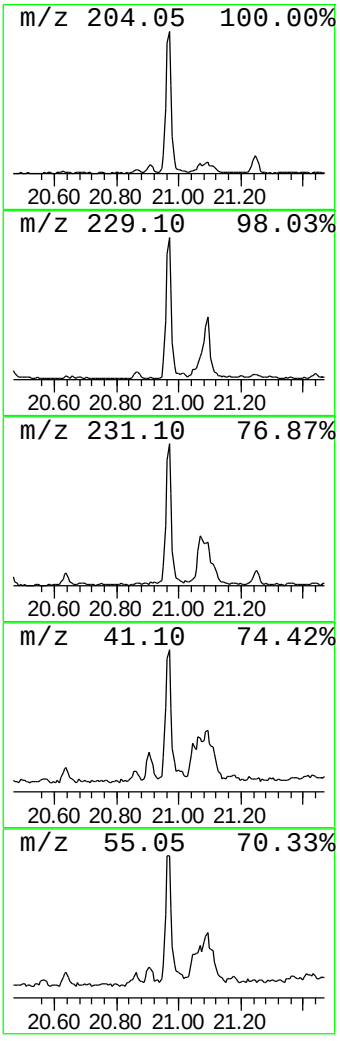
****

Peak Number 4 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	9.87 ng/ul	1890950	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2,3-dihydro-5-diet...	300	C16H20N4O2	125291-77-2	35
2	2-Acetyl-3-(1-methyl-2-pyrrolyl)...	231	C13H13NO3	1000326-75-5	25
3	Ethanone, 1-(2,3-dihydro-1,1,2,3...	244	C17H24O	015323-35-0	15
4	Benzenamine, 2,3,4,5-tetrachloro-	229	C6H3Cl4N	000634-83-3	11
5	Naphthalene, 2,6-bis(1,1-dimethy...	244	C18H28	042981-76-0	11





Library Search Compound Report

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Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

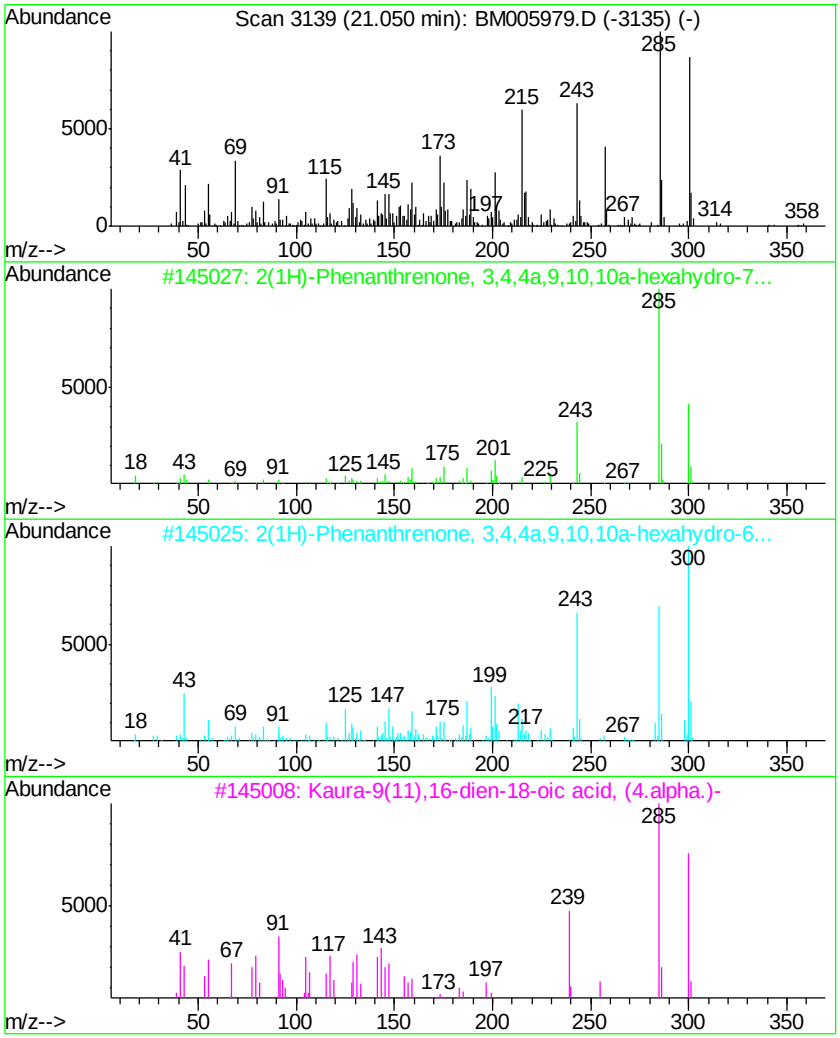
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

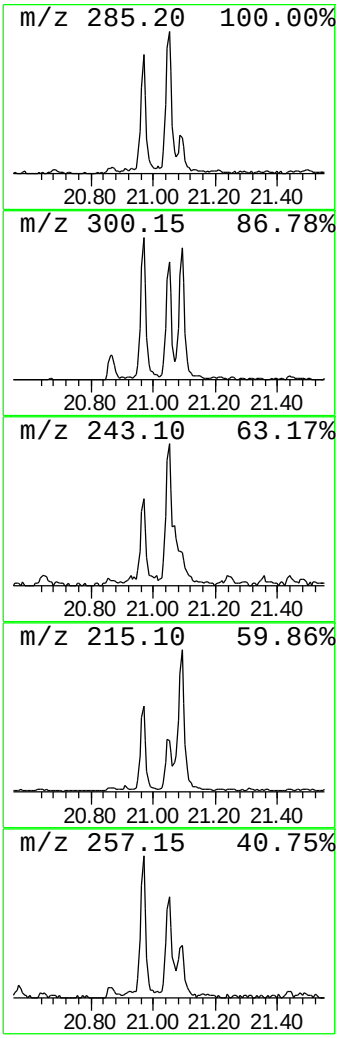
****

Peak Number 5 2(1H)-Phenanthrenone, 3,4,4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	3.03 ng/ul	579484	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Phenanthrenone, 3,4,4a,9,1...	300	C20H28O2	006755-93-7	84
2	2(1H)-Phenanthrenone, 3,4,4a,9,1...	300	C20H28O2	000472-37-7	53
3	Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	46
4	Estra-1,3,5(10)-trien-17-one, 3-...	300	C19H24O3	000362-08-3	35
5	Pyrazolo[3,4-d]pyrimidine-4,6(5H...	300	C15H16N4O3	144294-67-7	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

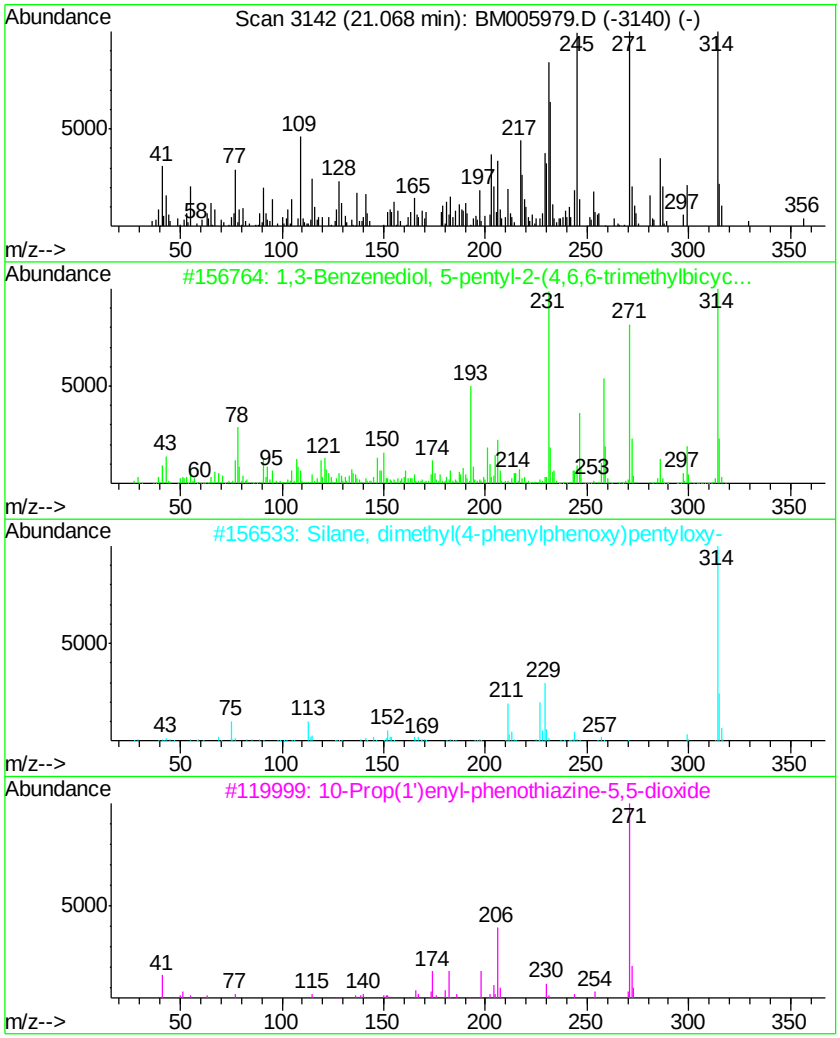
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

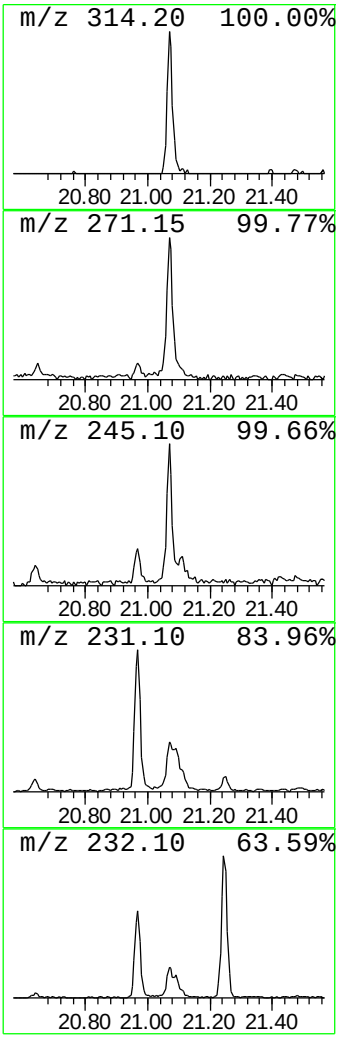
****

Peak Number 6 1,3-Benzenediol, 5-pentyl-2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.91 ng/ul	557021	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediol, 5-pentyl-2-(4,6...	314	C21H30O2	016814-28-1	52
2	Silane, dimethyl(4-phenylphenoxy...	314	C19H26O2Si	1000347-48-7	44
3	10-Prop(1')enyl-phenothiazine-5,...	271	C15H13NO2S	027127-71-5	25
4	Pyrazolo[1,5-a]pyrimidine, 2,5-d...	271	C18H13N3	130159-66-9	25
5	Diethynyl-diphenyl-silane	232	C16H12Si	001675-57-6	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

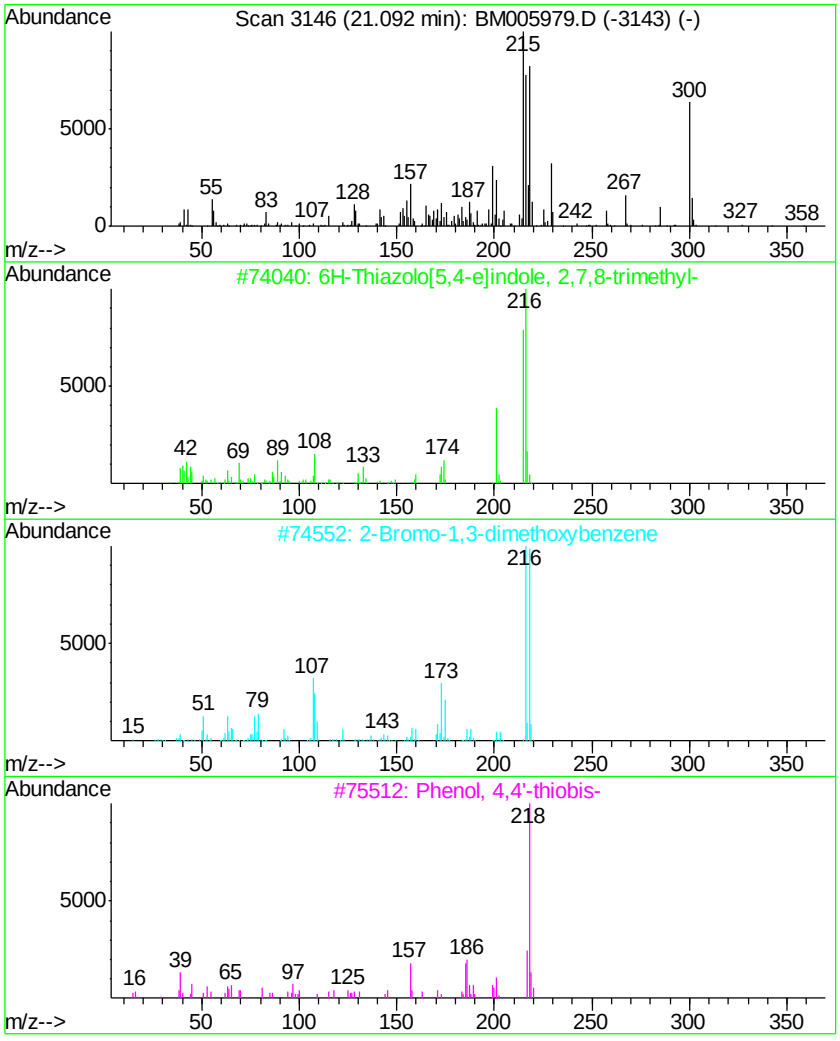
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

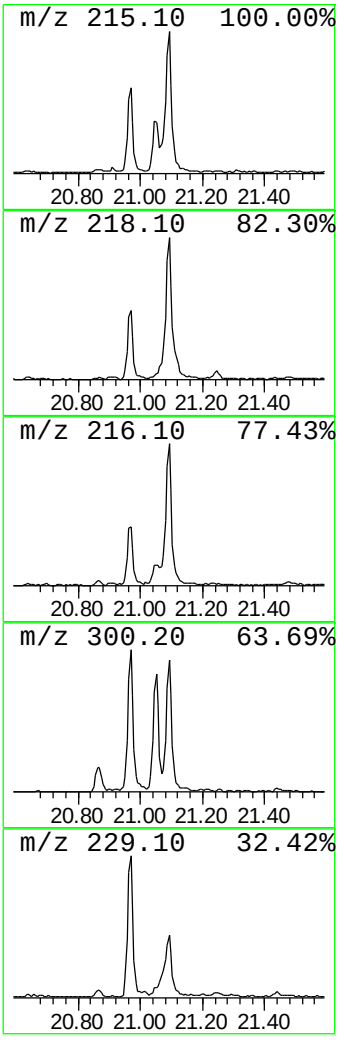
****

Peak Number 7 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	8.29 ng/ul	1587050	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	30
2	2-Bromo-1,3-dimethoxybenzene	216	C8H9BrO2	016932-45-9	27
3	Phenol, 4,4'-thiobis-	218	C12H10O2S	002664-63-3	25
4	Phenol, 4,4'-thiobis-	218	C12H10O2S	002664-63-3	25
5	Naphthalene-1,4-dicarboxlic acid	216	C12H8O4	000605-70-9	18





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

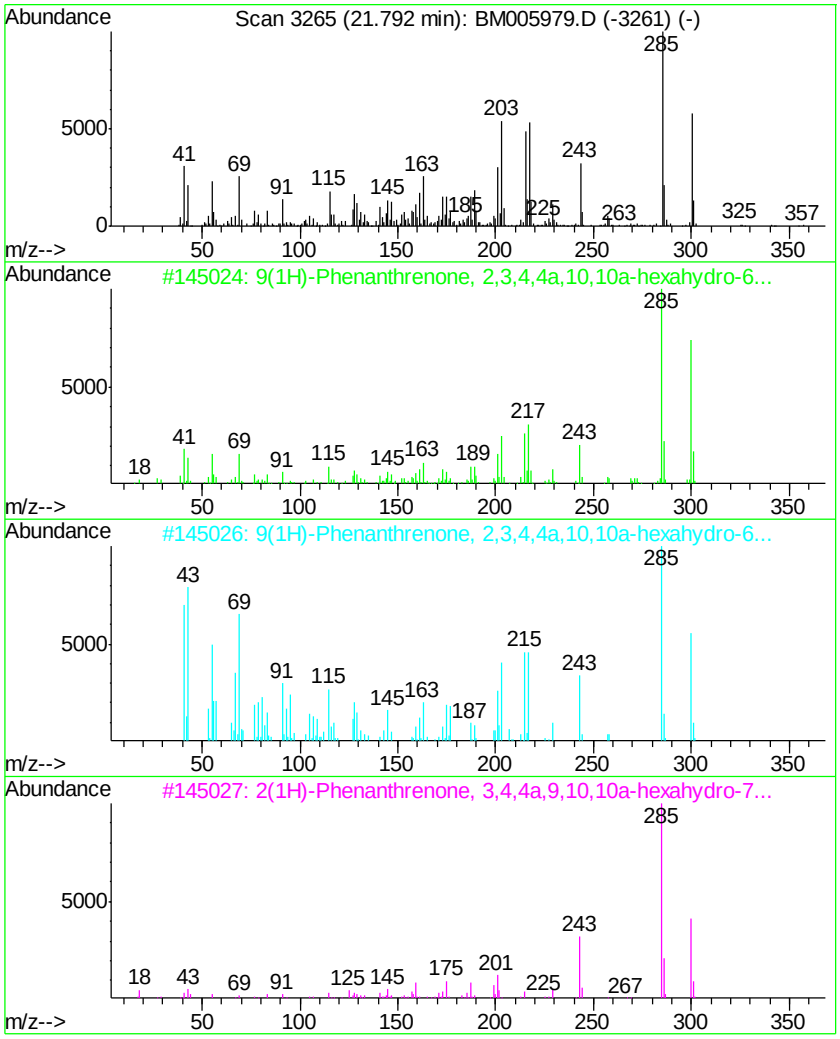
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

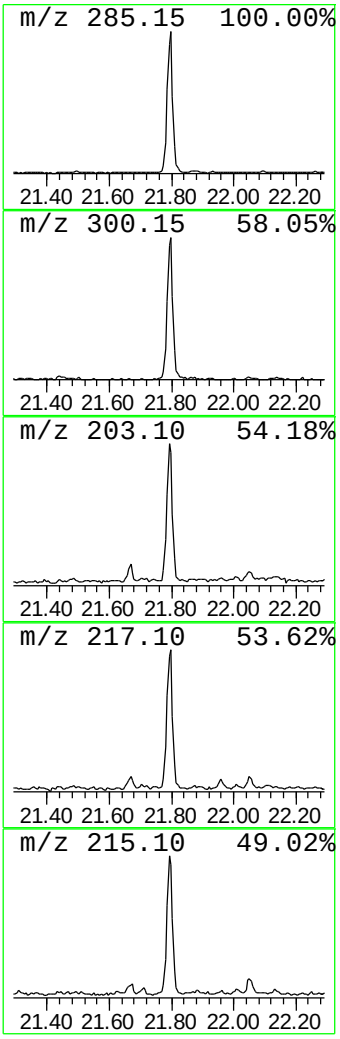
****

Peak Number 8 9(1H)-Phenanthrenone, 2,3,4... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	3.97 ng/ul	760507	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	96
2	9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	94
3	2(1H)-Phenanthrenone, 3,4,4a,9,1...	300	C20H28O2	006755-93-7	90
4	Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	015340-83-7	49
5	Podocarpa-8,11,13-trien-3-one, 1...	342	C22H30O3	018468-20-7	46





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Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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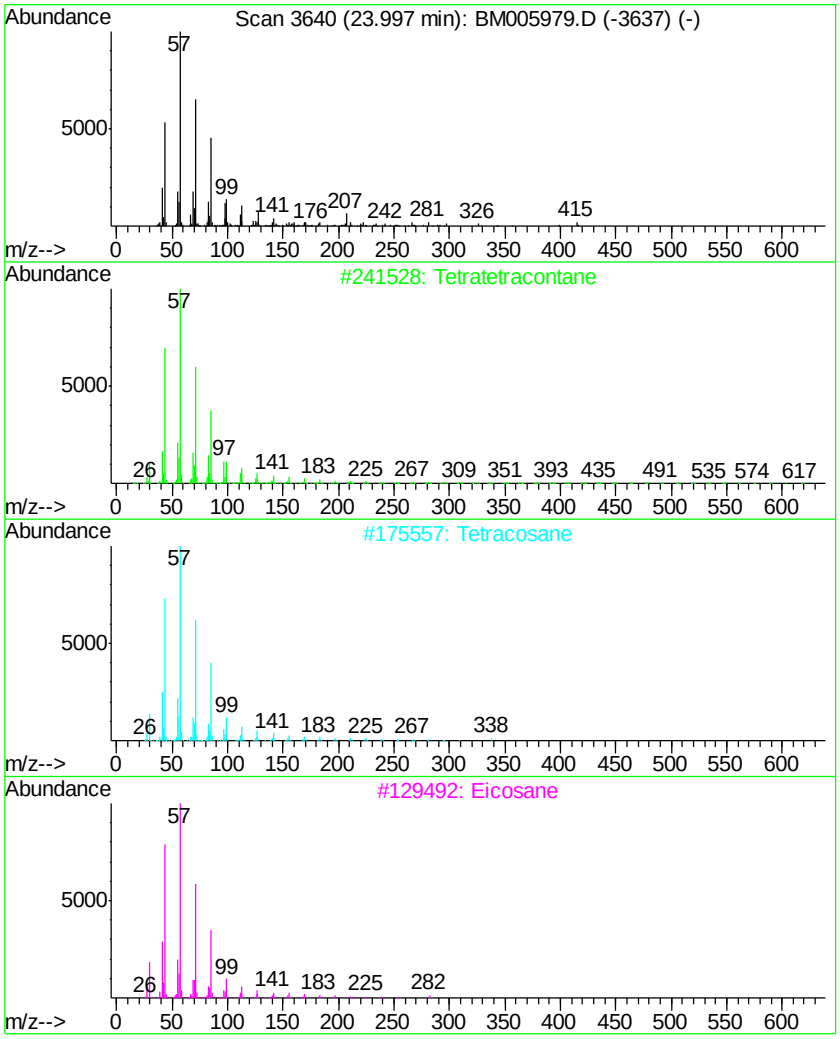
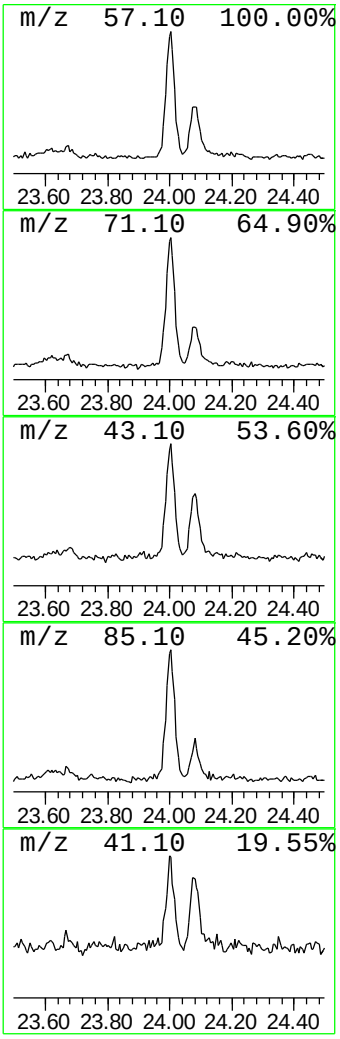
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	2.15 ng/ul	394405	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	Eicosane	282	C20H42	000112-95-8	86
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	86
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	86





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Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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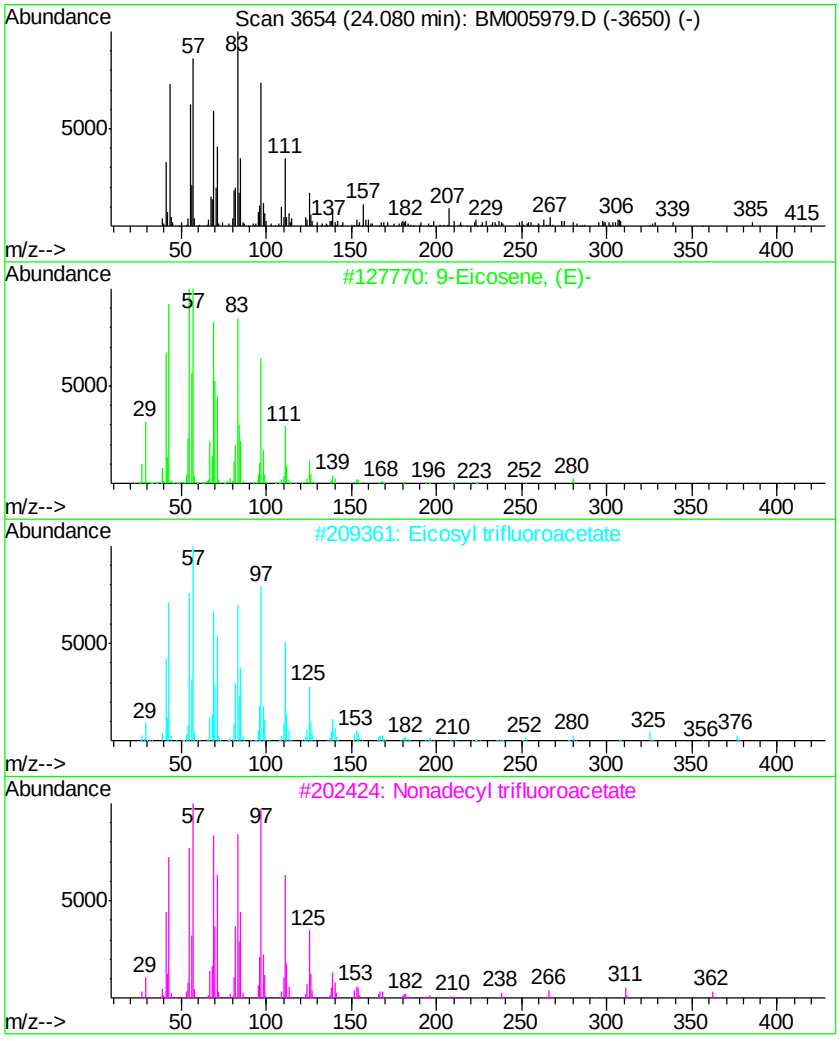
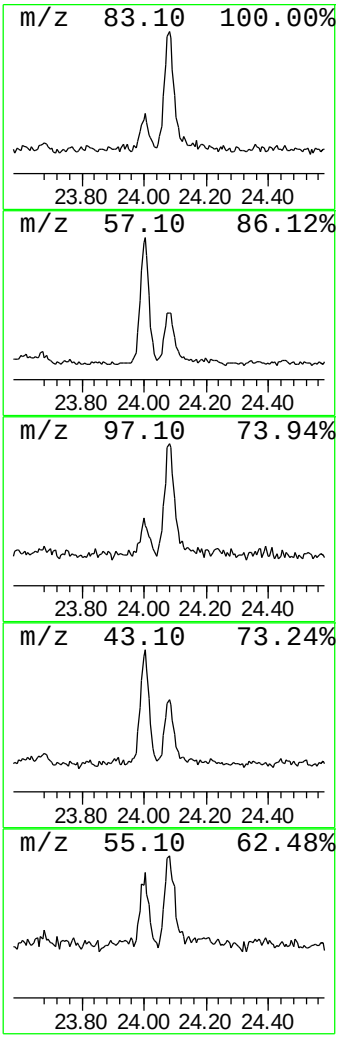
Peak Number 10 (DEL) Alkane: Cyclic24.08 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	2.27 ng/ul	416429	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	83
2	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	60
3	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	60
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	60
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005979.D
Acq On : 24 Jun 2016 23:13
Operator : UM/SJ
Sample : H3639-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z45

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.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
Phosphetane, 2,2,...	19.37	35.5	ng/ul	6798500	5	21.24	3830330	20.0
Silane, dimethyl(...	19.59	3.3	ng/ul	626372	5	21.24	3830330	20.0
3,6,6-Trimethyl-1...	20.91	7.4	ng/ul	1420020	5	21.24	3830330	20.0
unknown-01	20.97	9.9	ng/ul	1890950	5	21.24	3830330	20.0
2(1H)-Phenanthren...	21.05	3.0	ng/ul	579484	5	21.24	3830330	20.0
1,3-Benzenediol, ...	21.07	2.9	ng/ul	557021	5	21.24	3830330	20.0
unknown-02	21.09	8.3	ng/ul	1587050	5	21.24	3830330	20.0
9(1H)-Phenanthren...	21.79	4.0	ng/ul	760507	5	21.24	3830330	20.0
(DEL) Alkane: Str...	24.00	2.1	ng/ul	394405	6	23.46	3667510	20.0
(DEL) Alkane: Cyc...	24.08	2.3	ng/ul	416429	6	23.46	3667510	20.0