LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021216\
Data File : BM004248.D
Acq On : 13 Feb 2016 03:51
Operator : SJ/IZ
Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM021216.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	2.769	9	14	24	rBV	106835	172090	38.96%	2.995%
2	2.846	24	27	39	rVB	106992	128572	29.11%	2.238%
3	3.110	69	72	75	rBV	2118	2262	0.51%	0.039%
4	3.634	157	161	164	rVB	1065	1062	0.24%	0.018%
5	3.710	171	174	176	rVB	452	460	0.10%	0.008%
6	3.846	194	197	201	rBB	952	698	0.16%	0.012%
7	3.887	203	204	207	rBV	657	566	0.13%	0.010%
8	4.757	348	352	356	rBB2	1025	1616	0.37%	0.028%
9	6.328	614	619	624	rBB	28324	39007	8.83%	0.679%
10	6.828	699	704	713	rBB	44938	67408	15.26%	1.173%
11	6.981	725	730	737	rBB	38995	57121	12.93%	0.994%
12	7.075	742	746	751	rBB	8172	10490	2.37%	0.183%
13	7.181	758	764	771	rBB	51267	76171	17.25%	1.326%
14	7.251	774	776	779	rBB	562	660	0.15%	0.011%
15	7.645	837	843	849	rBB	93727	143929	32.59%	2.505%
16	8.363	959	965	973	rBB	57806	91611	20.74%	1.595%
17	8.804	1034	1040	1047	rBB	43403	68598	15.53%	1.194%
18	8.939	1061	1063	1066	rBB	939	1178	0.27%	0.021%
19	9.522	1157	1162	1168	rBB	36671	54241	12.28%	0.944%
20	10.063	1249	1254	1263	rBB	56451	90265	20.44%	1.571%
21	10.433	1310	1317	1323	rBV	131660	216088	48.92%	3.761%
22	10.480	1323	1325	1329	rVB	1402	1561	0.35%	0.027%
23	10.575	1336	1341	1355	rBB	37032	64268	14.55%	1.119%
24	13.192	1783	1786	1790	rBB	2857	3929	0.89%	0.068%
25	13.716	1869	1875	1879	rBV	114516	147304	33.35%	2.564%
26	13.763	1879	1883	1889	rVB	47131	60962	13.80%	1.061%
27	13.998	1917	1923	1931	rBB	125212	182963	41.42%	3.185%
28	14.204	1955	1958	1961	rBB	5451	5915	1.34%	0.103%
29	14.304	1970	1975	1982	rBB2	183589	274131	62.06%	4.772%
30	14.463	1999	2002	2006	rBB	2717	3033	0.69%	0.053%
31	14.533	2010	2014	2025	rBB	23082	39526	8.95%	0.688%
32	15.104	2109	2111	2114	rBB	1044	1037	0.23%	0.018%
33	15.157	2117	2120	2123	rBB	6765	7757	1.76%	0.135%
34	15.304	2139	2145	2151	rBB	170572	232792	52.70%	4.052%

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Instrument : BNA_M
ClientSampleId : D9QD4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM021216.M
Title : SVOA CALIBRATION

35	15.439	2164	2168	2174	rBB	32348	41280	9.35%	0.719%
36	15.545	2184	2186	2188	rBV	1179	1302	0.29%	0.023%
37	15.568	2188	2190	2192	rVB	1357	1089	0.25%	0.019%
38	15.957	2252	2256	2261	rBB	20517	24105	5.46%	0.420%
39	16.021	2264	2267	2274	rBB	6894	10227	2.32%	0.178%
40	16.815	2399	2402	2405	rBB	4927	5031	1.14%	0.088%
41	16.845	2405	2407	2409	rBB	495	451	0.10%	0.008%
42	16.862	2409	2410	2412	rBB	767	541	0.12%	0.009%
43	17.057	2437	2443	2449	rBV2	228650	308626	69.87%	5.372%
44	17.098	2449	2450	2454	rVB	2483	2071	0.47%	0.036%
45	17.157	2454	2460	2469	rBB	171194	234540	53.10%	4.082%
46	17.551	2525	2527	2530	rBB	1877	1646	0.37%	0.029%
47	17.956	2592	2596	2599	rBV2	4697	6622	1.50%	0.115%
48	18.009	2599	2605	2606	rBV3	1546	2431	0.55%	0.042%
49	18.027	2606	2608	2609	rBV2	725	628	0.14%	0.011%
50	18.080	2609	2617	2618	rBV	6645	10483	2.37%	0.182%
51	18.162	2618	2631	2636	rBV5	27057	93892	21.26%	1.634%
52	18.268	2640	2649	2650	rBV4	24112	51840	11.74%	0.902%
53	18.486	2679	2686	2687	rBV3	39295	74985	16.98%	1.305%
54	18.827	2742	2744	2746	rVB3	676	580	0.13%	0.010%
55	19.092	2786	2789	2791	rBV	1138	1198	0.27%	0.021%
56	19.127	2791	2795	2801	rVB	7593	9729	2.20%	0.169%
57	19.245	2812	2815	2821	rVB2	1874	2310	0.52%	0.040%
58	19.315	2823	2827	2828	rBV	417	465	0.11%	0.008%
59	19.350	2828	2833	2836	rVV	1173	1350	0.31%	0.023%
60	19.398	2836	2841	2843	rVV2	1029	1349	0.31%	0.023%
61	19.462	2847	2852	2861	rVB	207683	282600	63.98%	4.919%
62	19.815	2911	2912	2915	rVB	467	448	0.10%	0.008%
63	19.892	2924	2925	2927	rVB	926	476	0.11%	0.008%
64	19.974	2934	2939	2941	rBV2	1327	1781	0.40%	0.031%
65	20.009	2944	2945	2949	rVB	1316	1006	0.23%	0.018%
66	20.097	2957	2960	2961	rBV	560	671	0.15%	0.012%
67	20.150	2967	2969	2970	rBV	1006	741	0.17%	0.013%
68	20.168	2970	2972	2973	rVV2	821	478	0.11%	0.008%
69	20.209	2976	2979	2981	rBV	364	488	0.11%	0.008%
70	20.250	2985	2986	2989	rBV	1014	965	0.22%	0.017%
71	20.315	2992	2997	3000	rBV3	2809	4363	0.99%	0.076%

LSC Area Percent Report

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Title : SVOA CALIBRATION

72	20.374	3004	3007	3008	rBV	655	550	0.12%	0.010%
73	20.397	3008	3011	3014	rBV4	1728	2983	0.68%	0.052%
74	20.445	3015	3019	3024	rVV	6651	8336	1.89%	0.145%
75	20.515	3026	3031	3033	rVB5	1216	1965	0.44%	0.034%
76	20.621	3046	3049	3053	rBV3	1678	2194	0.50%	0.038%
77	20.686	3059	3060	3061	rVB	1377	485	0.11%	0.008%
78	20.697	3061	3062	3063	rBV	1350	862	0.20%	0.015%
79	20.750	3066	3071	3073	rBV2	5362	8336	1.89%	0.145%
80	20.950	3097	3105	3106	rBV5	2895	5661	1.28%	0.099%
81	20.974	3106	3109	3115	rVB3	21987	32652	7.39%	0.568%
82	21.133	3133	3136	3140	rBV5	2135	3066	0.69%	0.053%
83	21.268	3153	3159	3164	rBV	297563	387443	87.72%	6.744%
84	21.303	3164	3165	3172	rVB2	6921	6540	1.48%	0.114%
85	21.580	3209	3212	3217	rVB4	4753	6840	1.55%	0.119%
86	21.809	3248	3251	3255	rBV4	3676	4497	1.02%	0.078%
87	21.862	3255	3260	3270	rVV3	29285	51966	11.77%	0.905%
88	22.427	3352	3356	3363	rVB2	5874	8553	1.94%	0.149%
89	23.356	3507	3514	3521	rBV	163425	288805	65.39%	5.027%
90	23.497	3531	3538	3546	rVB	202666	371091	84.02%	6.459%
91	24.732	3742	3748	3753	rBV4	6641	15223	3.45%	0.265%
92	25.738	3917	3919	3921	rBV3	3012	2466	0.56%	0.043%
93	27.409	4194	4203	4215	rVB4	47079	158605	35.91%	2.761%
94	27.779	4254	4266	4276	rBV4	83956	310637	70.33%	5.407%
95	27.909	4278	4288	4298	rVV4	121799	441694	100.00%	7.688%
96	28.009	4298	4305	4322	rVB8	45077	191608	43.38%	3.335%

Sum of corrected areas: 5745117

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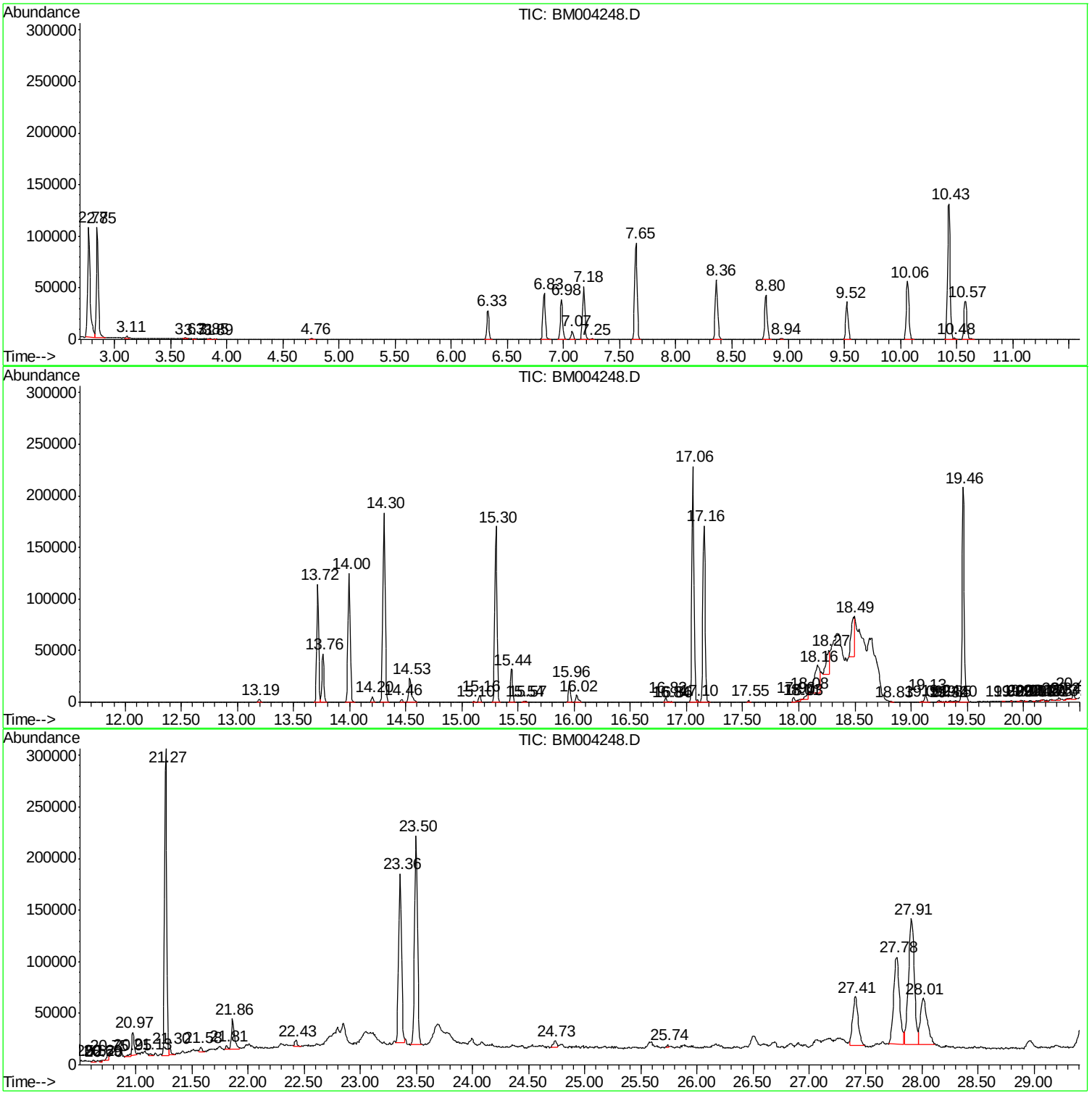
Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021216\
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Quant Title : SVOA CALIBRATION

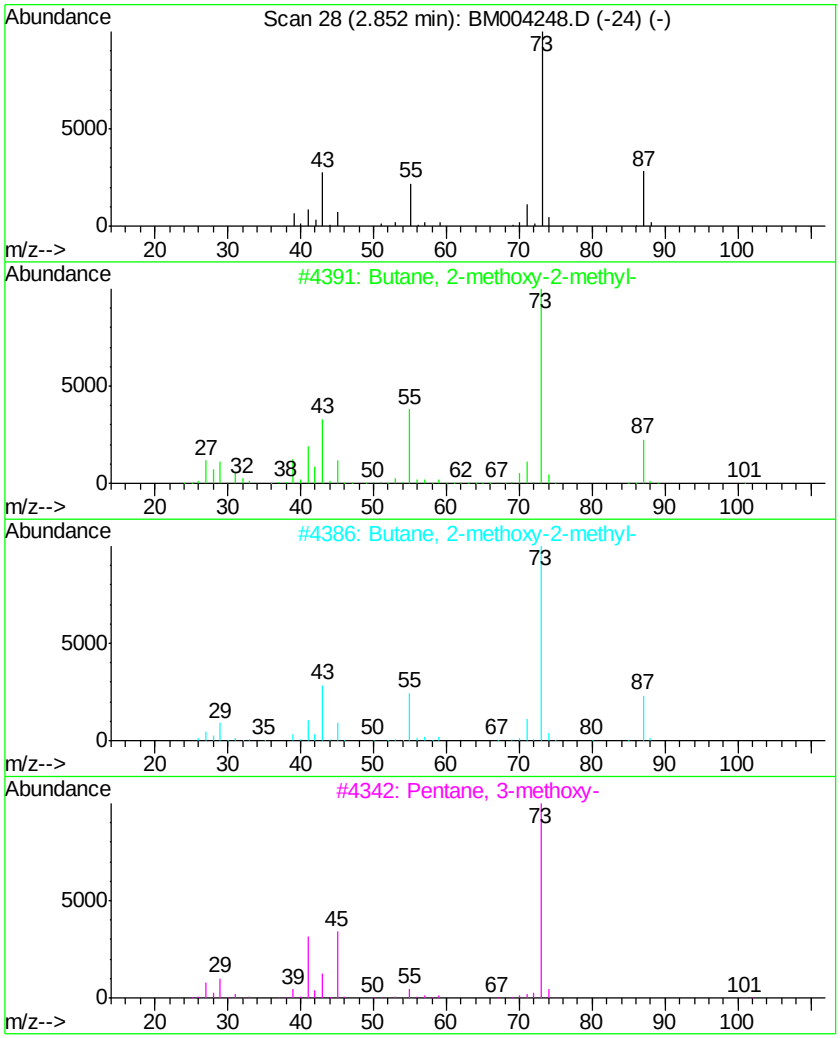
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

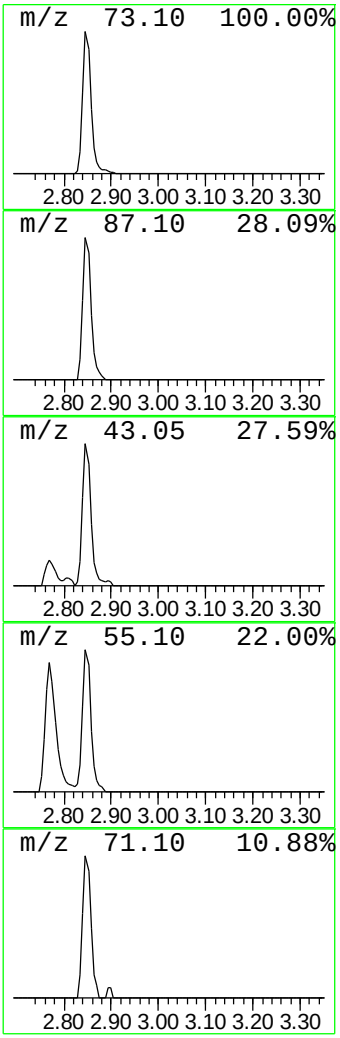
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.85	17.87 ng/ul	128572	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

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Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

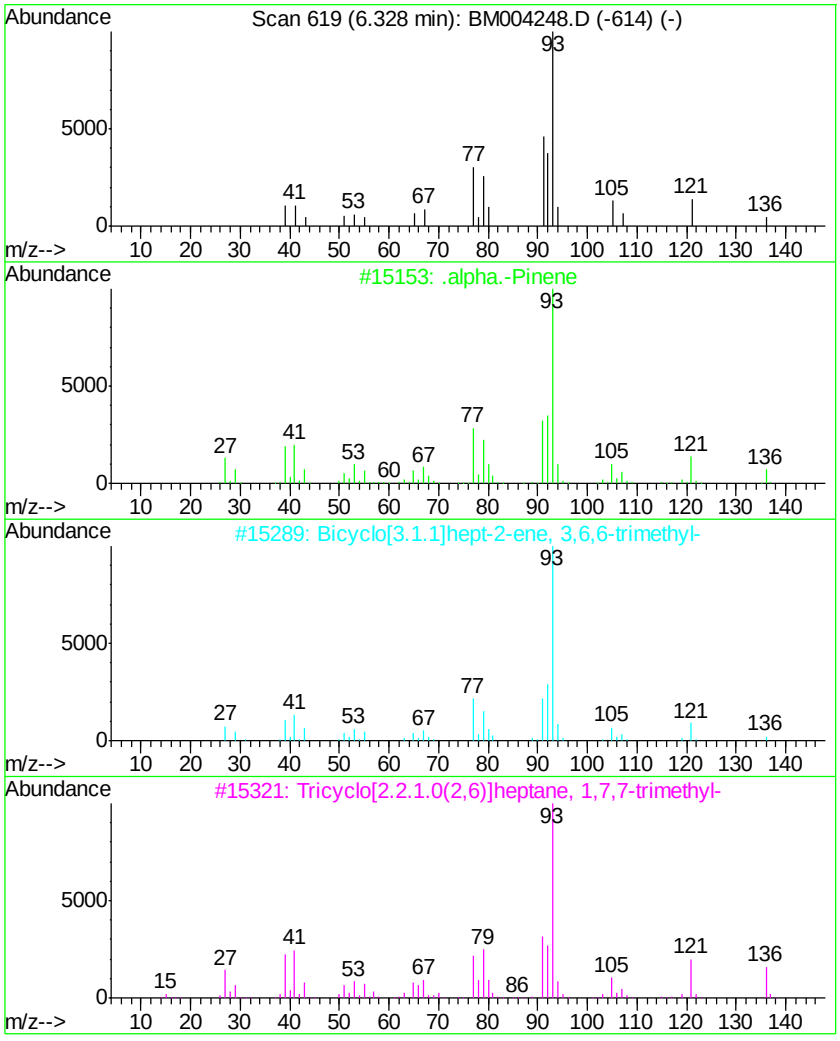
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

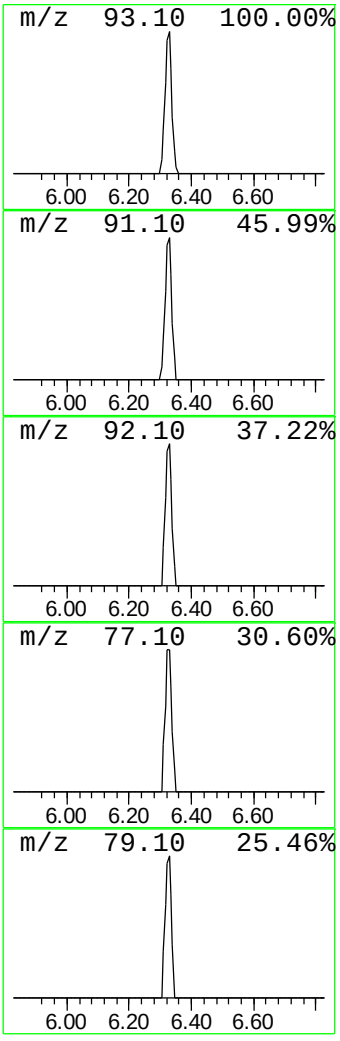
****

Peak Number 3 .alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	5.42 ng/ul	39007	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	90
5	.alpha.-Pinene	136	C10H16	000080-56-8	90





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Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

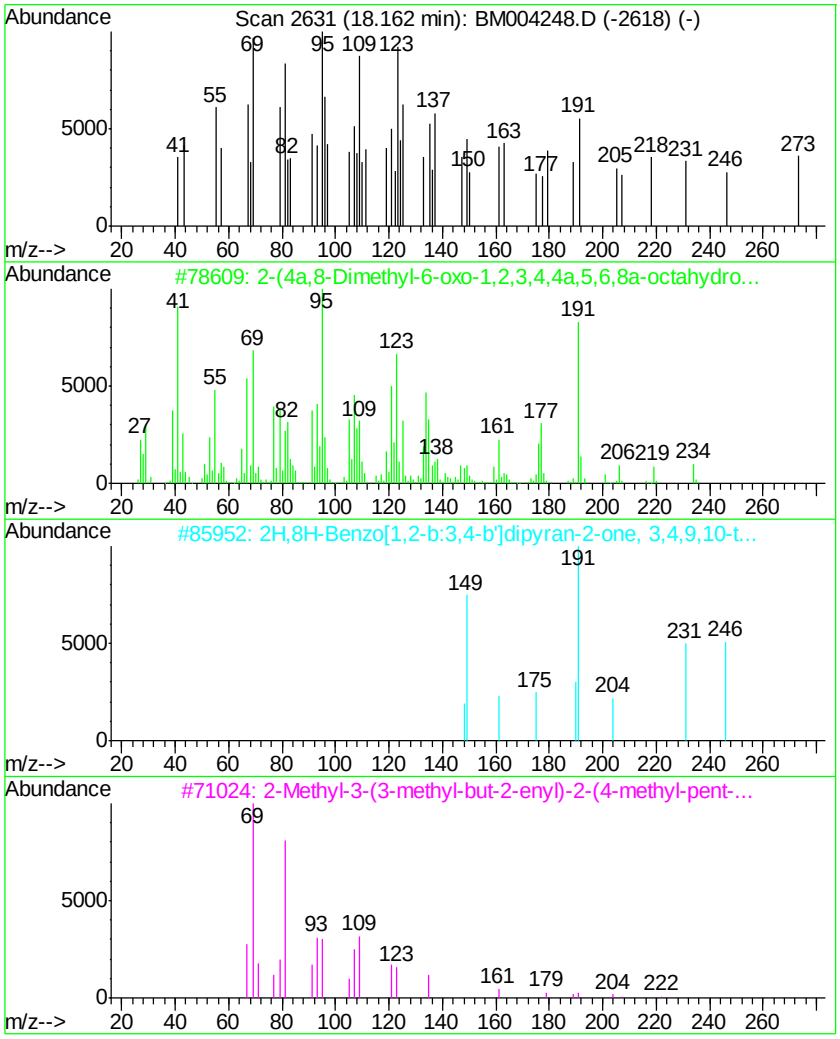
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

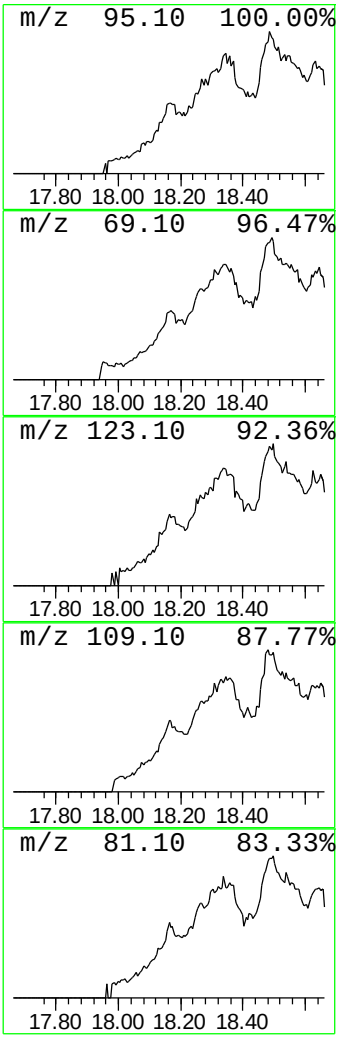
****

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	6.08 ng/ul	93892	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	38
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	246	C15H18O3	042299-67-2	35
3	2-Methyl-3-(3-methyl-but-2-enyl)...	222	C15H26O	1000144-10-2	35
4	4,8a-Dimethyl-6-(2-methyl-oxiran...	234	C15H22O2	1000189-11-4	35
5	Sesquirosefuran	218	C15H22O	039007-93-7	35





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Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

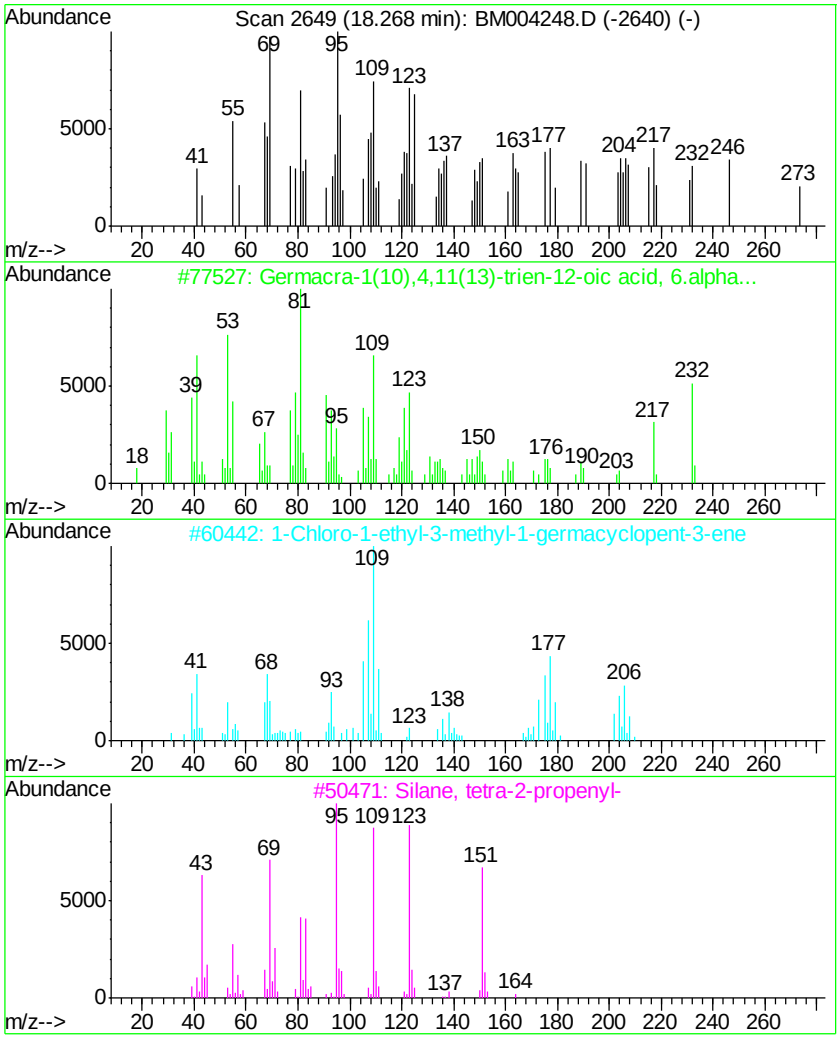
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

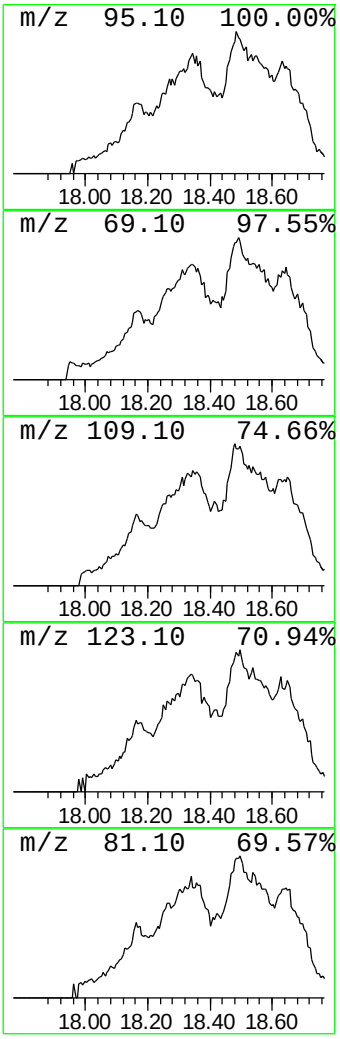
****

Peak Number 5 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	3.36 ng/ul	51840	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Germacra-1(10),4,11(13)-trien-12...	232	C15H20O2	000553-21-9	42
2	1-Chloro-1-ethyl-3-methyl-1-germ...	206	C7H13ClGe	026311-76-2	27
3	Silane, tetra-2-propenyl-	192	C12H20Si	001112-66-9	27
4	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	25
5	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	18





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

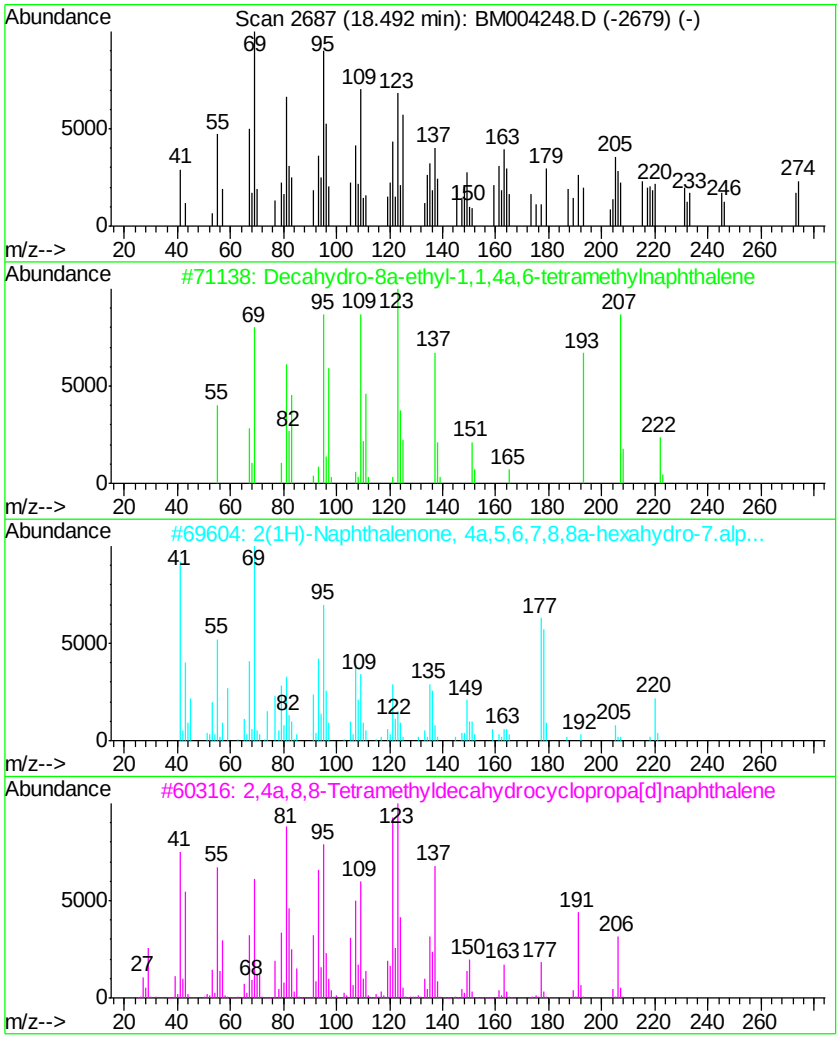
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

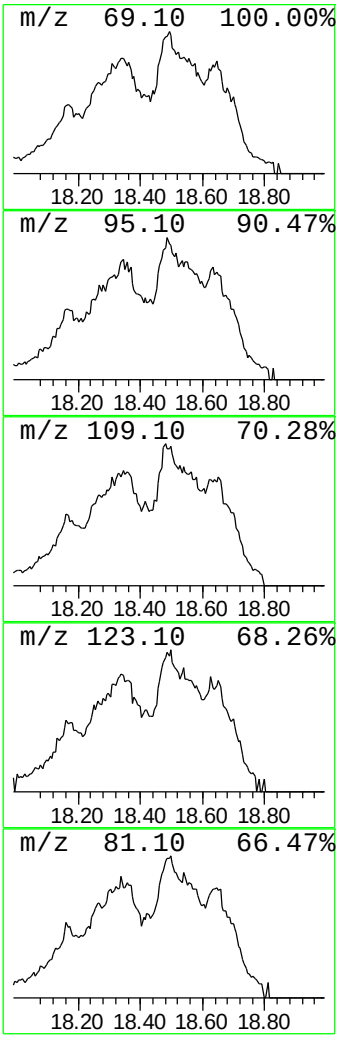
****

Peak Number 6 (DEL) Alkane: Branched18.49 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.86 ng/ul	74985	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	43
2	2(1H)-Naphthalenone, 4a,5,6,7,8,...	220	C15H24O	017408-66-1	41
3	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	38
4	1,4-Methanoazulen-7(1H)-one, oct...	220	C15H24O	018319-28-3	35
5	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	22





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Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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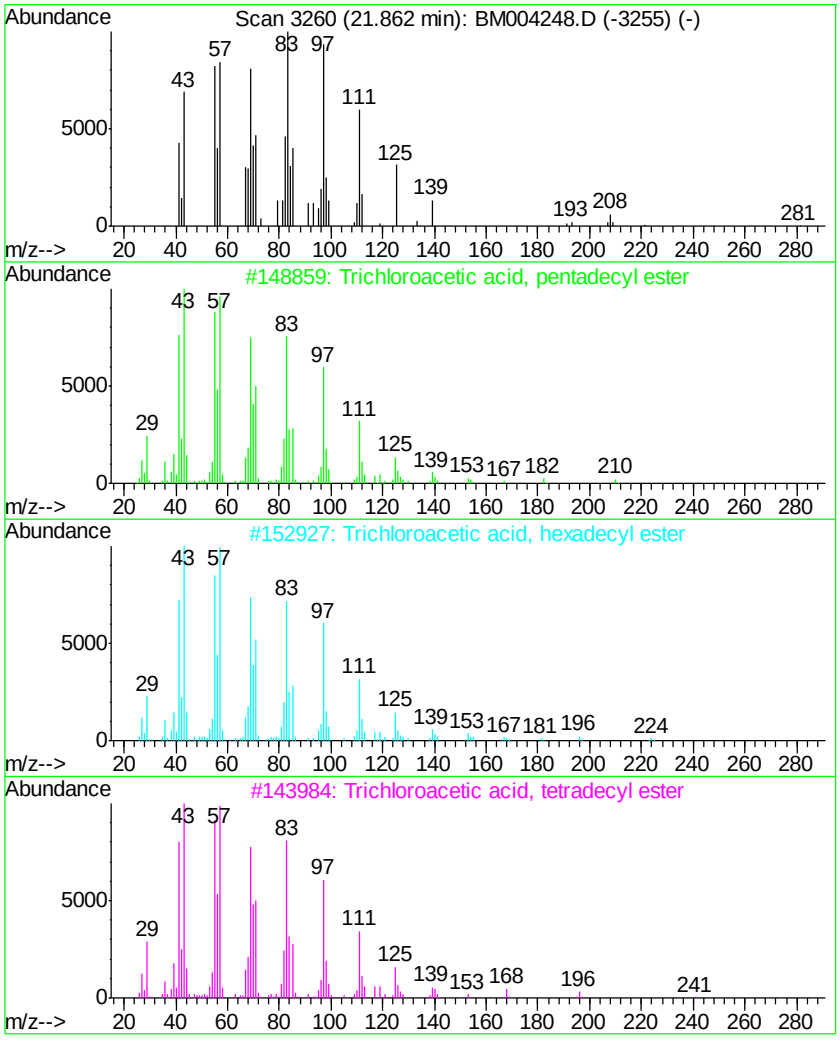
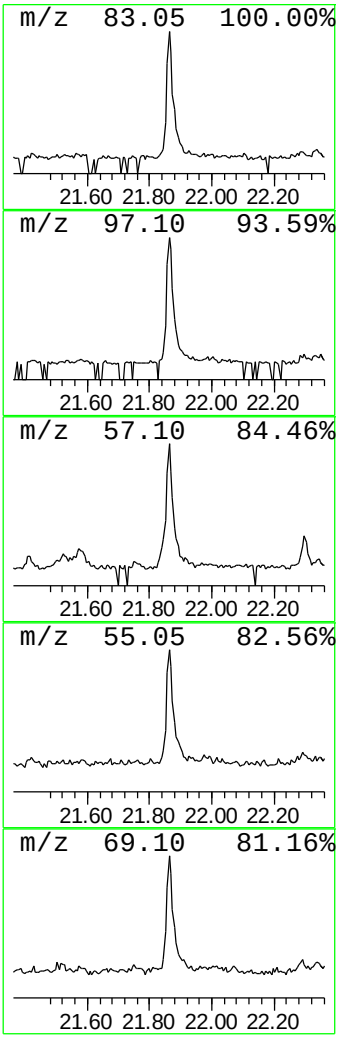
Peak Number 7 Trichloroacetic acid, penta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.68 ng/ul	51966	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
3	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90
4	1-Nonadecene	266	C19H38	018435-45-5	90
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	87





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Data File : BM004248.D
Acq On : 13 Feb 2016 03:51
Operator : SJ/IZ
Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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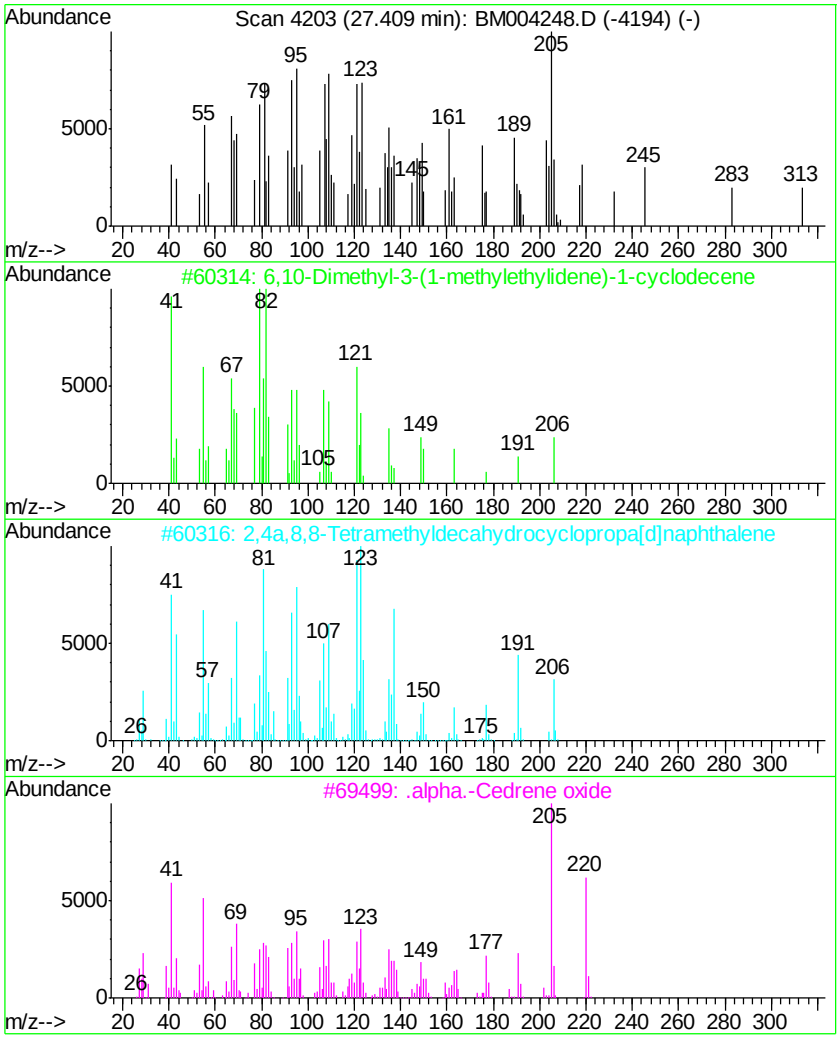
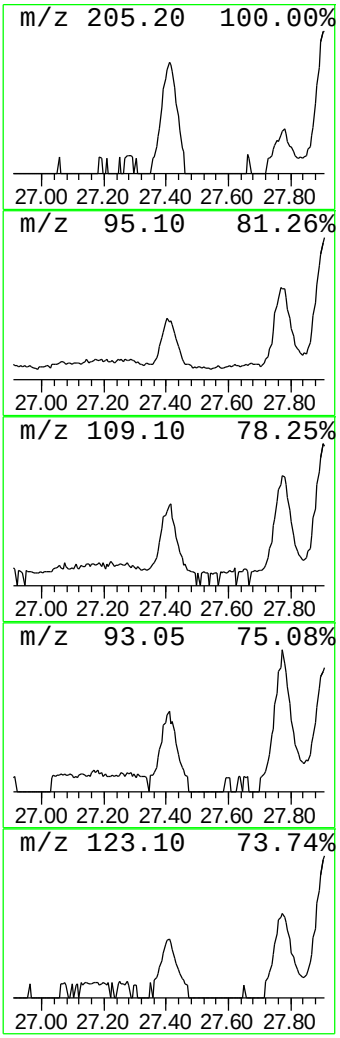
Peak Number 8 6,10-Dimethyl-3-(1-methylet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.41	8.55 ng/ul	158605	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,10-Dimethyl-3-(1-methylethylid...	206	C15H26	069239-71-0	53
2	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	43
3	.alpha.-Cedrene oxide	220	C15H24O	1000159-39-1	38
4	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	35
5	(3H,6H)Thieno[3,4-c]isoxazole, 3...	205	C11H11NOS	1000115-54-7	30





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Data File : BM004248.D
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Operator : SJ/IZ
Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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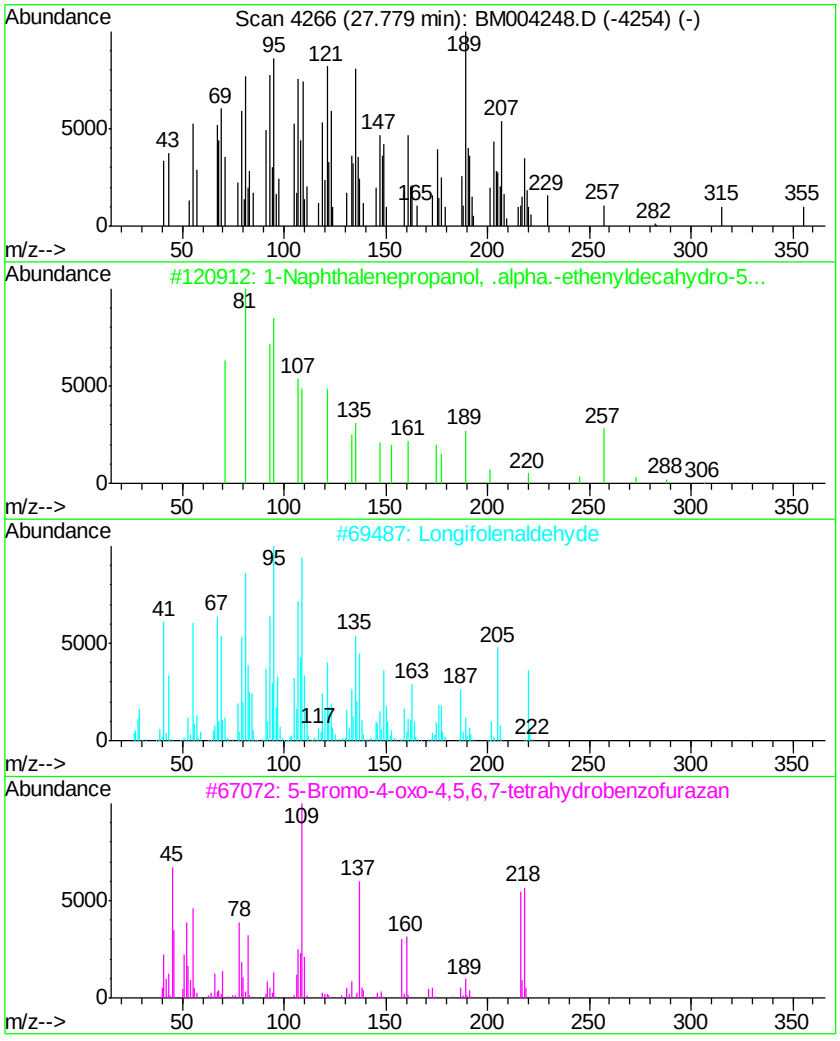
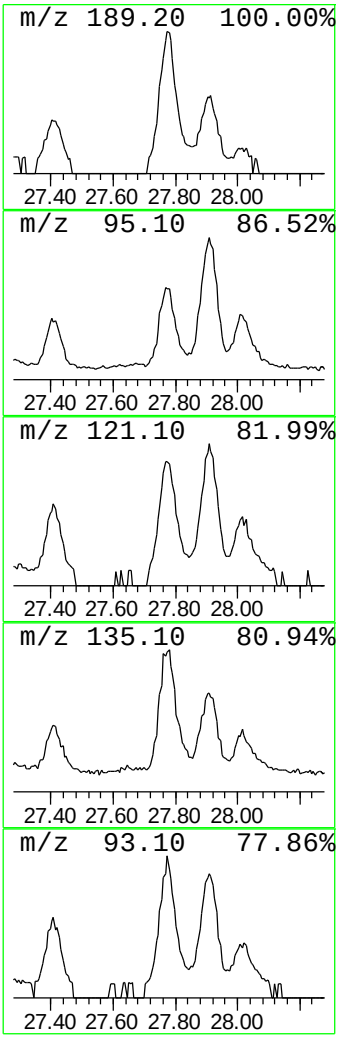
Peak Number 9 1-Naphthalenepropanol, .alp... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.78	16.74 ng/ul	310637	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	003650-30-4	58
2	Longifolenaldehyde	220	C15H24O	019890-84-7	55
3	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	53
4	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	53
5	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM021216\
Data File : BM004248.D
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Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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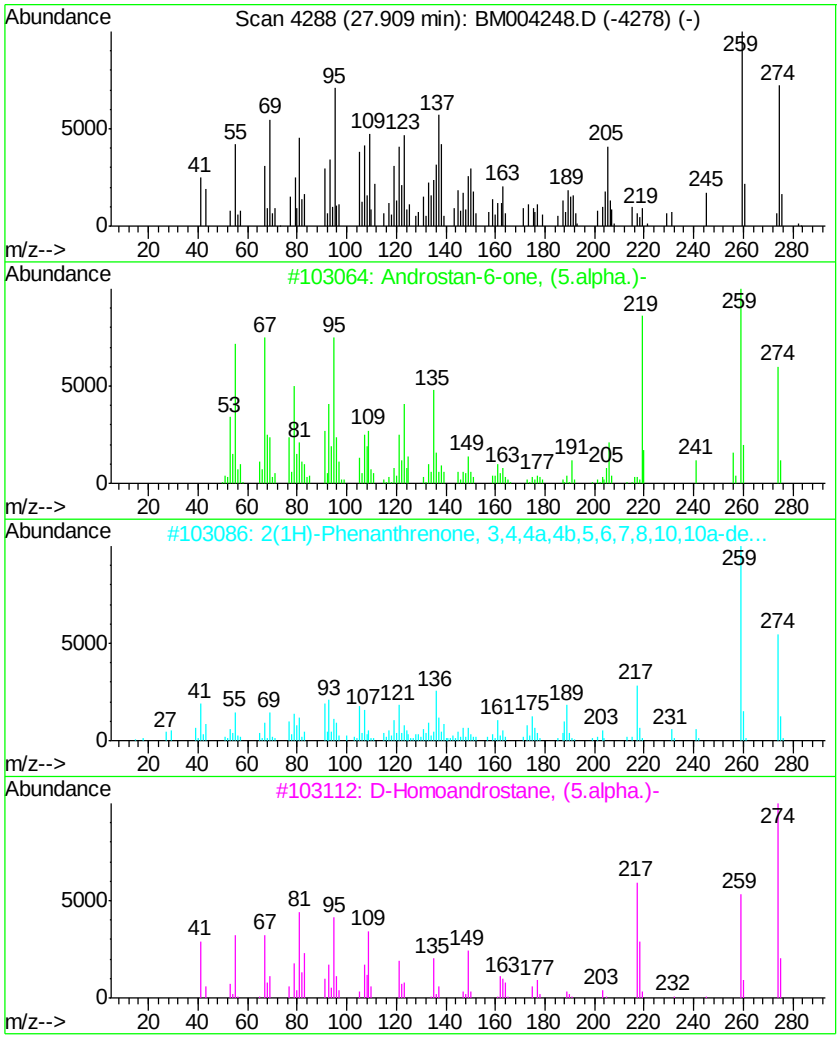
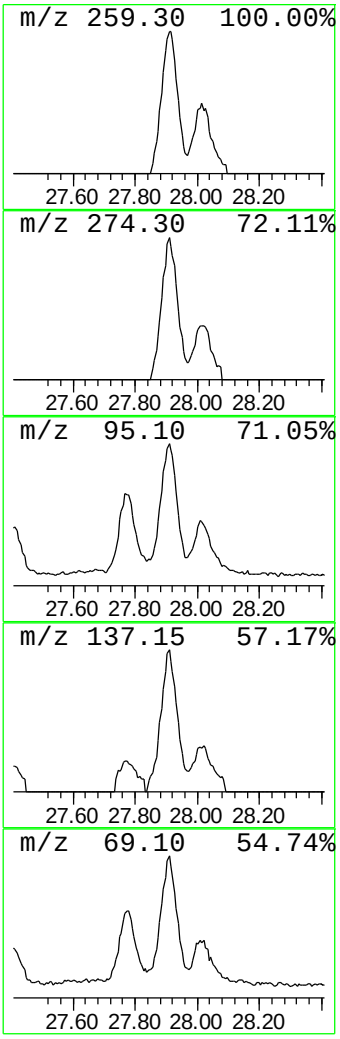
Peak Number 10 Androstan-6-one, (5.alpha.)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.91	23.81 ng/ul	441694	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	53
2	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	50
3	D-Homoandrostane, (5.alpha.)-	274	C20H34	035575-26-9	45
4	Androst-7-en-3-ol #	274	C19H30O	1000148-48-7	42
5	Propenamide, 3-(2-thienyl)-N-(2-...	259	C14H13NO2S	006906-11-2	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021216\
Data File : BM004248.D
Acq On : 13 Feb 2016 03:51
Operator : SJ/IZ
Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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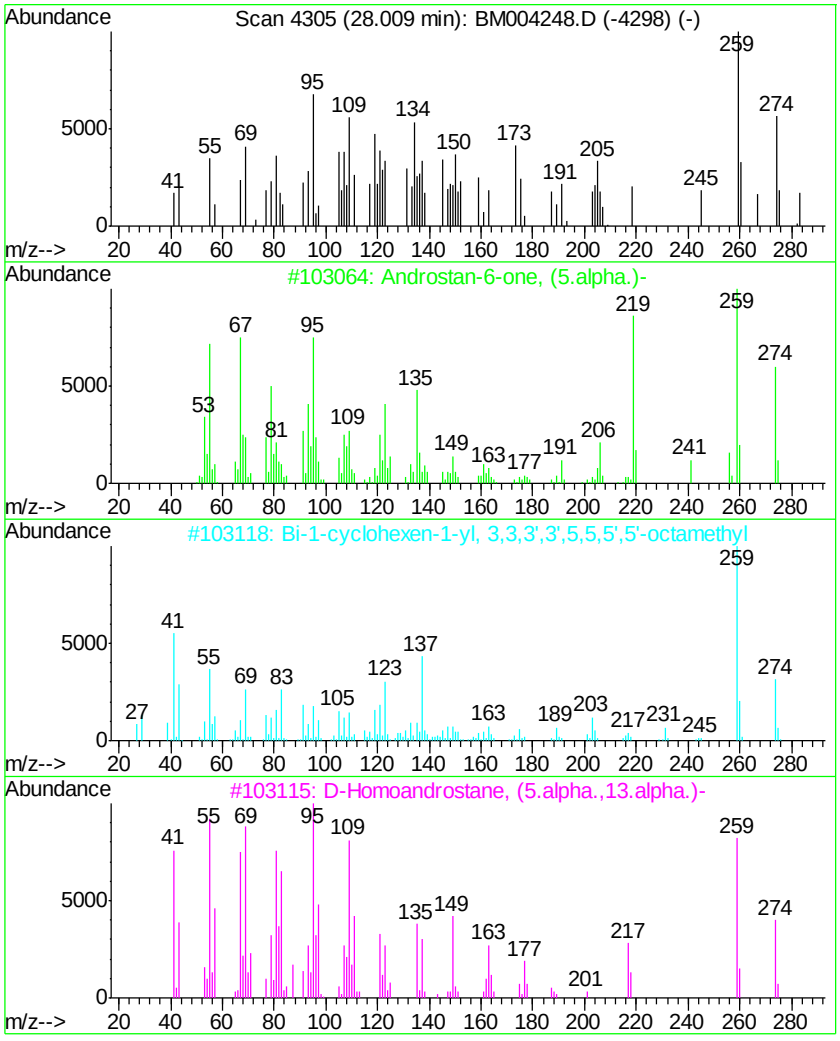
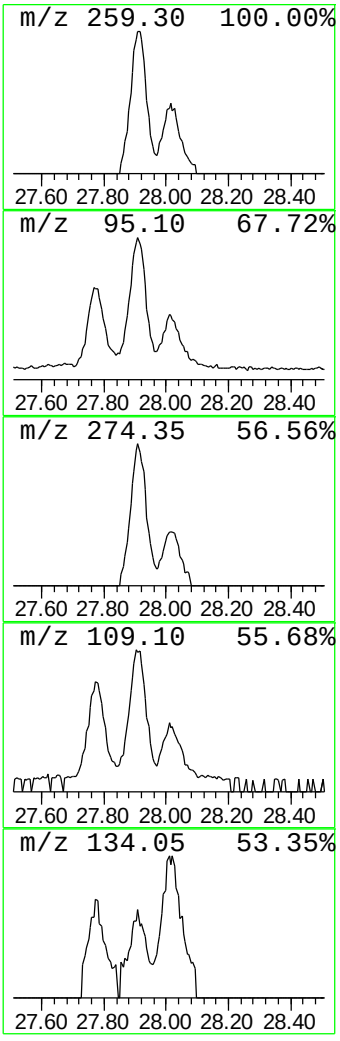
Peak Number 11 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.01	10.33 ng/ul	191608	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	43
2	Bi-1-cyclohexen-1-yl, 3,3,3',3',...	274	C20H34	076993-52-7	38
3	D-Homoandrostane, (5.alpha.,13.a...	274	C20H34	054482-31-4	37
4	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	35
5	1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021216\
Data File : BM004248.D
Acq On : 13 Feb 2016 03:51
Operator : SJ/IZ
Sample : H1414-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9QD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.85	17.9	ng/ul	128572	1	7.65	143929	20.0
.alpha.-Pinene	6.33	5.4	ng/ul	39007	1	7.65	143929	20.0
unknown-01	18.16	6.1	ng/ul	93892	4	17.06	308626	20.0
unknown-02	18.27	3.4	ng/ul	51840	4	17.06	308626	20.0
(DEL) Alkane: Bra...	18.49	4.9	ng/ul	74985	4	17.06	308626	20.0
Trichloroacetic a...	21.86	2.7	ng/ul	51966	5	21.27	387443	20.0
6,10-Dimethyl-3-(...	27.41	8.6	ng/ul	158605	6	23.50	371091	20.0
1-Naphthaleneprop...	27.78	16.7	ng/ul	310637	6	23.50	371091	20.0
Androstan-6-one, ...	27.91	23.8	ng/ul	441694	6	23.50	371091	20.0
unknown-03	28.01	10.3	ng/ul	191608	6	23.50	371091	20.0