LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050716\
Data File : BM005347.D
Acq On : 08 May 2016 15:11
Operator : UM/SJ
Sample : H2772-21
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3C5

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-BM050516.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	2.734	4	8	19	rVB	57867	82500	2.49%	0.192%
2	3.010	52	55	61	rVB	79790	104237	3.14%	0.243%
3	6.939	717	723	737	rBV	264359	431839	13.01%	1.008%
4	7.104	744	751	764	rBV	229815	360543	10.86%	0.841%
5	7.304	779	785	797	rVB	282347	458183	13.80%	1.069%
6	7.769	857	864	873	rBV	371820	594670	17.91%	1.388%
7	8.475	978	984	999	rBV	264827	428503	12.91%	1.000%
8	8.928	1055	1061	1068	rBV	275105	462888	13.94%	1.080%
9	9.645	1177	1183	1191	rBV	242120	398495	12.00%	0.930%
10	10.180	1268	1274	1288	rBV	365314	634641	19.12%	1.481%
11	10.557	1330	1338	1344	rBV	550270	957659	28.85%	2.235%
12	10.604	1344	1346	1353	rVB	29033	41126	1.24%	0.096%
13	10.692	1355	1361	1376	rBV	312748	588001	17.71%	1.372%
14	13.815	1883	1892	1897	rBV	743816	1066173	32.12%	2.488%
15	13.863	1897	1900	1907	rVB	113075	152996	4.61%	0.357%
16	14.104	1934	1941	1957	rBV	852559	1255640	37.82%	2.930%
17	14.304	1970	1975	1980	rVB	31999	42510	1.28%	0.099%
18	14.410	1984	1993	1999	rVV2	850534	1329354	40.04%	3.102%
19	14.474	1999	2004	2011	rVB	172670	252152	7.60%	0.588%
20	14.621	2024	2029	2042	rBV	181352	322534	9.72%	0.753%
21	14.810	2056	2061	2067	rVB	57881	80553	2.43%	0.188%
22	15.257	2132	2137	2142	rVB	44929	55425	1.67%	0.129%
23	15.404	2156	2162	2168	rBV	1138388	1662983	50.09%	3.880%
24	15.462	2168	2172	2178	rVB	136011	190917	5.75%	0.445%
25	15.533	2178	2184	2191	rBV	301891	433474	13.06%	1.011%
26	16.115	2278	2283	2300	rBV2	40630	89168	2.69%	0.208%
27	16.462	2332	2342	2348	rBV4	18803	42030	1.27%	0.098%
28	16.909	2410	2418	2422	rVV4	26873	45649	1.38%	0.107%
29	16.980	2425	2430	2437	rVB	45229	67223	2.02%	0.157%
30	17.156	2455	2460	2464	rBV	1078493	1645151	49.56%	3.839%
31	17.203	2464	2468	2472	rVV	936797	1331848	40.12%	3.108%
32	17.256	2472	2477	2481	rVV2	1235284	1870333	56.34%	4.364%
33	17.292	2481	2483	2489	rVV	275104	314262	9.47%	0.733%
34	17.351	2489	2493	2500	rVB	29494	47590	1.43%	0.111%

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Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3C5

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-BM050516.M
Title : SVOA CALIBRATION

35	17.562	2521	2529	2538	rBV	187259	295155	8.89%	0.689%
36	17.933	2587	2592	2598	rBV2	30424	46230	1.39%	0.108%
37	18.051	2604	2612	2614	rBV2	181776	314714	9.48%	0.734%
38	18.080	2614	2617	2627	rVV	145844	220607	6.65%	0.515%
39	18.162	2627	2631	2636	rVB2	41874	60255	1.82%	0.141%
40	18.233	2636	2643	2646	rBV3	165976	278201	8.38%	0.649%
41	18.262	2646	2648	2657	rVB2	60093	81147	2.44%	0.189%
42	18.533	2690	2694	2698	rBV	66808	87403	2.63%	0.204%
43	18.580	2698	2702	2708	rVB	45535	60443	1.82%	0.141%
44	18.950	2760	2765	2771	rBV	36990	65528	1.97%	0.153%
45	19.097	2785	2790	2798	rVB5	26207	52117	1.57%	0.122%
46	19.221	2798	2811	2819	rBV	1388632	1981095	59.68%	4.623%
47	19.327	2824	2829	2834	rBV2	53091	90290	2.72%	0.211%
48	19.468	2845	2853	2862	rVB3	68182	156534	4.72%	0.365%
49	19.556	2862	2868	2871	rBV	1782044	2736597	82.43%	6.385%
50	19.586	2871	2873	2881	rVV	1018615	1194889	35.99%	2.788%
51	19.656	2881	2885	2890	rVB2	61852	85423	2.57%	0.199%
52	19.762	2898	2903	2909	rVB	74257	99902	3.01%	0.233%
53	19.827	2909	2914	2922	rVB	61295	92276	2.78%	0.215%
54	19.903	2922	2927	2934	rBV4	71558	172410	5.19%	0.402%
55	19.968	2934	2938	2945	rVB	44691	63384	1.91%	0.148%
56	20.039	2945	2950	2952	rBV2	52939	82170	2.48%	0.192%
57	20.080	2952	2957	2962	rVB	275240	403652	12.16%	0.942%
58	20.180	2969	2974	2978	rBV	270030	347794	10.48%	0.812%
59	20.239	2978	2984	2987	rVV3	95469	182413	5.49%	0.426%
60	20.274	2987	2990	2994	rVV	87757	108022	3.25%	0.252%
61	20.321	2994	2998	3002	rVB2	31769	43016	1.30%	0.100%
62	20.380	3003	3008	3011	rBV	43418	58186	1.75%	0.136%
63	20.427	3011	3016	3019	rBV3	46971	63603	1.92%	0.148%
64	20.703	3060	3063	3068	rVB3	37502	59413	1.79%	0.139%
65	20.791	3073	3078	3081	rBV2	39686	63955	1.93%	0.149%
66	20.833	3081	3085	3091	rVB2	52926	77872	2.35%	0.182%
67	20.997	3105	3113	3116	rBV	137167	210517	6.34%	0.491%
68	21.050	3116	3122	3125	rBV2	240339	426694	12.85%	0.996%
69	21.127	3131	3135	3146	rVB2	72353	144737	4.36%	0.338%
70	21.233	3146	3153	3160	rBV2	49421	123761	3.73%	0.289%
71	21.350	3161	3173	3177	rVV2	1699541	3319765	100.00%	7.746%

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Instrument : BNA_M
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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

72	21.386	3177	3179	3189	rVV	651147	808205	24.35%	1.886%
73	21.503	3195	3199	3205	rVV	147007	224743	6.77%	0.524%
74	21.562	3206	3209	3213	rVV3	41816	81227	2.45%	0.190%
75	21.615	3215	3218	3222	rVV	92653	132676	4.00%	0.310%
76	21.668	3222	3227	3232	rVV2	119689	200138	6.03%	0.467%
77	21.844	3254	3257	3261	rVV2	47892	85290	2.57%	0.199%
78	21.903	3261	3267	3273	rVV2	106597	246272	7.42%	0.575%
79	21.956	3273	3276	3282	rVB	72694	115736	3.49%	0.270%
80	22.062	3290	3294	3298	rVB3	54375	78545	2.37%	0.183%
81	22.109	3298	3302	3304	rVV2	59756	84875	2.56%	0.198%
82	22.138	3304	3307	3312	rVB3	88234	137118	4.13%	0.320%
83	22.203	3313	3318	3323	rVB3	50007	85977	2.59%	0.201%
84	22.391	3346	3350	3356	rBV4	67177	130505	3.93%	0.305%
85	22.627	3386	3390	3395	rBV	155373	209139	6.30%	0.488%
86	22.691	3396	3401	3407	rVV2	35968	68278	2.06%	0.159%
87	22.950	3433	3445	3457	rBV3	736513	2202483	66.34%	5.139%
88	23.115	3468	3473	3479	rVB	88557	147107	4.43%	0.343%
89	23.244	3492	3495	3503	rBV5	25357	56074	1.69%	0.131%
90	23.427	3520	3526	3529	rBV	198324	368211	11.09%	0.859%
91	23.480	3529	3535	3540	rVV2	946647	1824566	54.96%	4.257%
92	23.521	3540	3542	3549	rVB	323983	521936	15.72%	1.218%
93	23.627	3552	3560	3565	rBV	807722	1621547	48.85%	3.784%
94	24.127	3640	3645	3651	rVB	124702	228357	6.88%	0.533%
95	24.221	3658	3661	3669	rVB	42086	76773	2.31%	0.179%
96	24.879	3767	3773	3782	rBV2	61201	160813	4.84%	0.375%
97	25.756	3916	3922	3930	rBV	62464	141641	4.27%	0.330%
98	25.909	3941	3948	3959	rVB	136218	398527	12.00%	0.930%
99	26.621	4060	4069	4077	rBV	73357	233108	7.02%	0.544%
100	28.773	4424	4435	4448	rVB2	107270	396052	11.93%	0.924%

Sum of corrected areas: 42857339

LSC Report - Integrated Chromatogram

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Acq On : 08 May 2016 15:11
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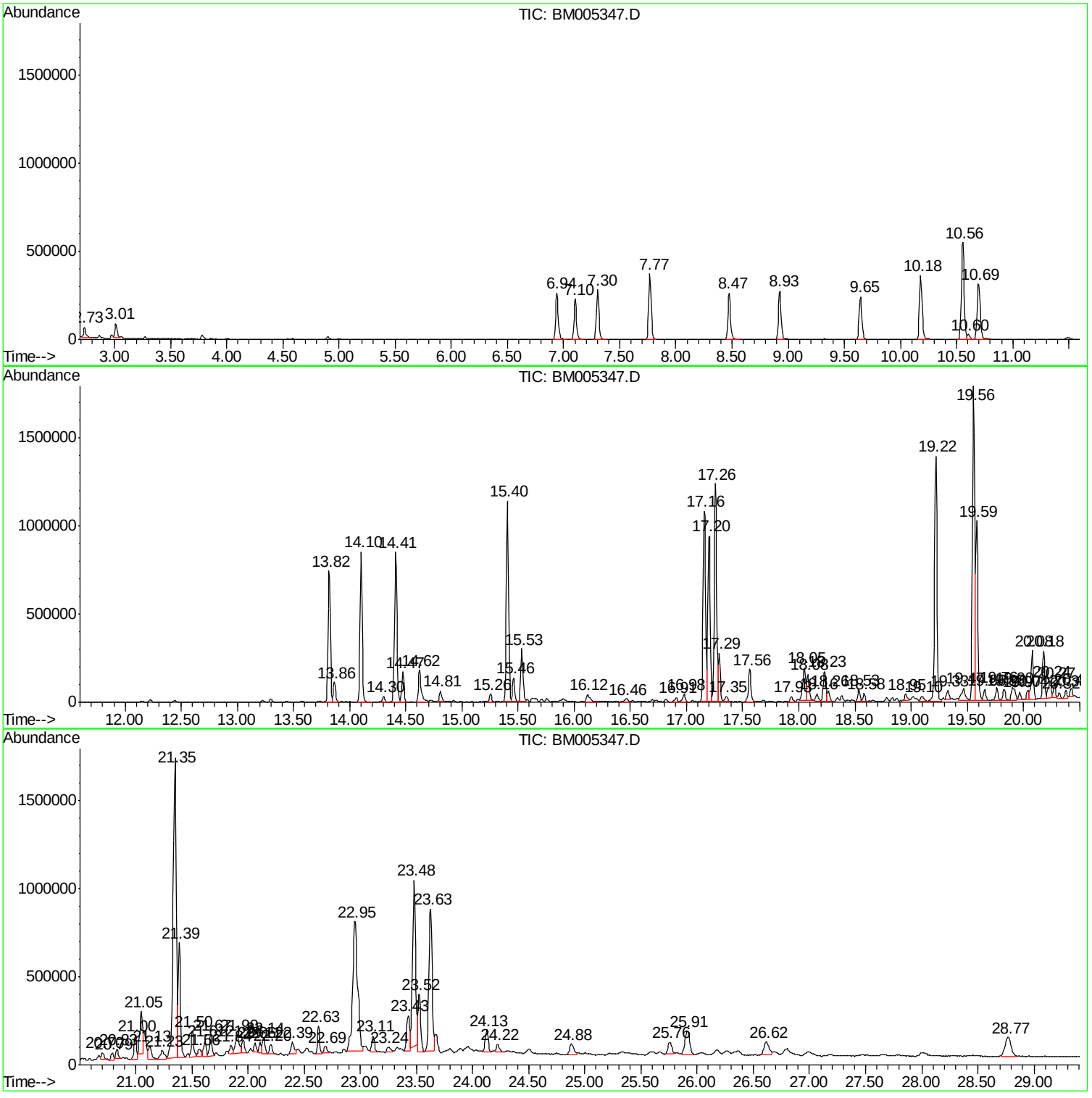
Sample : H2772-21
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3C5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Sample : H2772-21
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

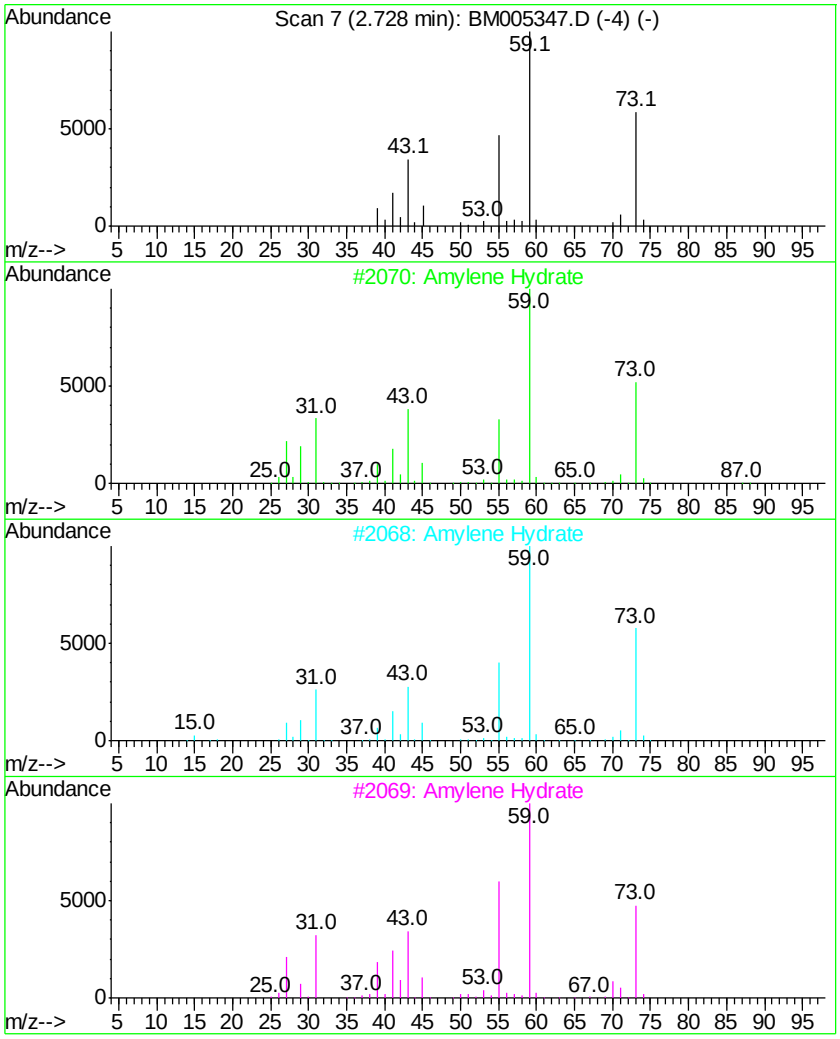
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

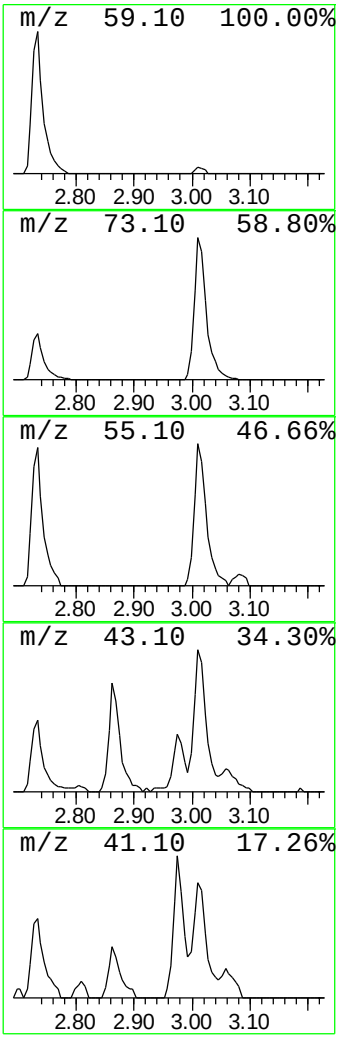
****

Peak Number 1 Amylene Hydrate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	2.77 ng/ul	82500	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	83
2	Amylene Hydrate	88	C5H12O	000075-85-4	83
3	Amylene Hydrate	88	C5H12O	000075-85-4	74
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	40
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	9





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Sample : H2772-21
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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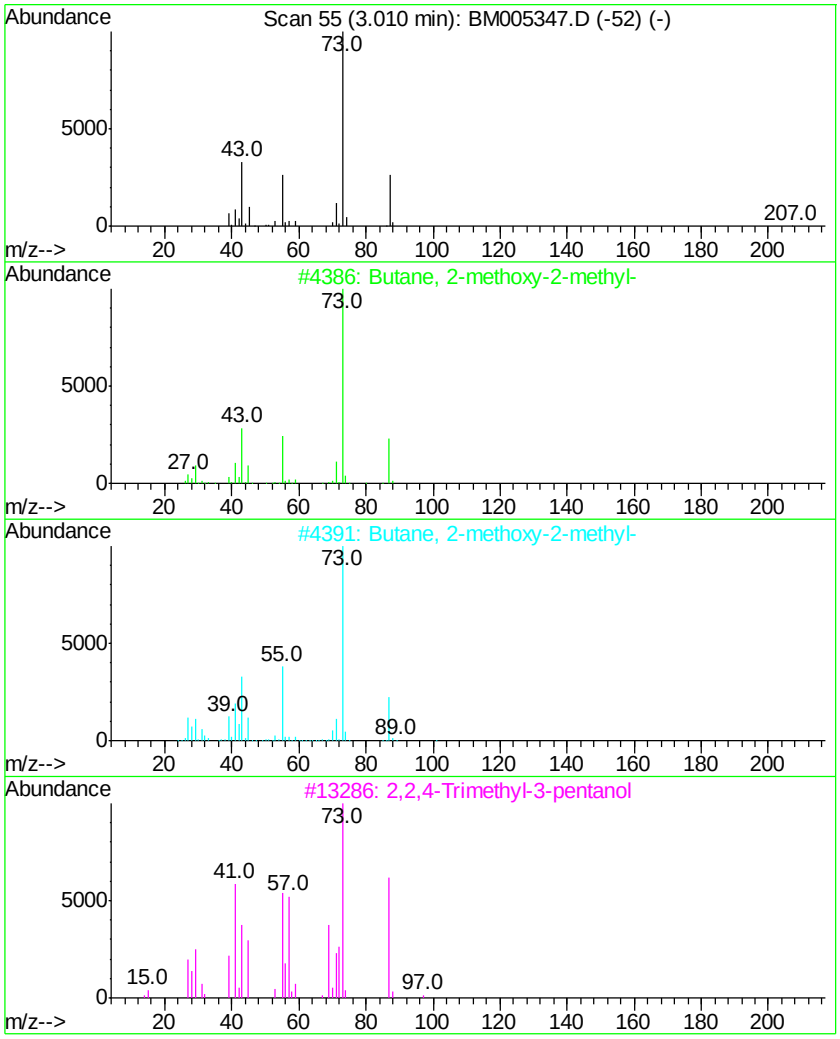
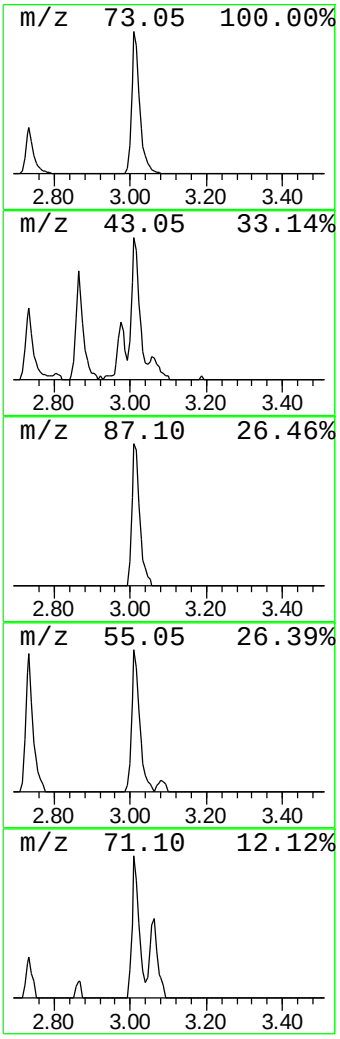
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	3.51 ng/ul	104237	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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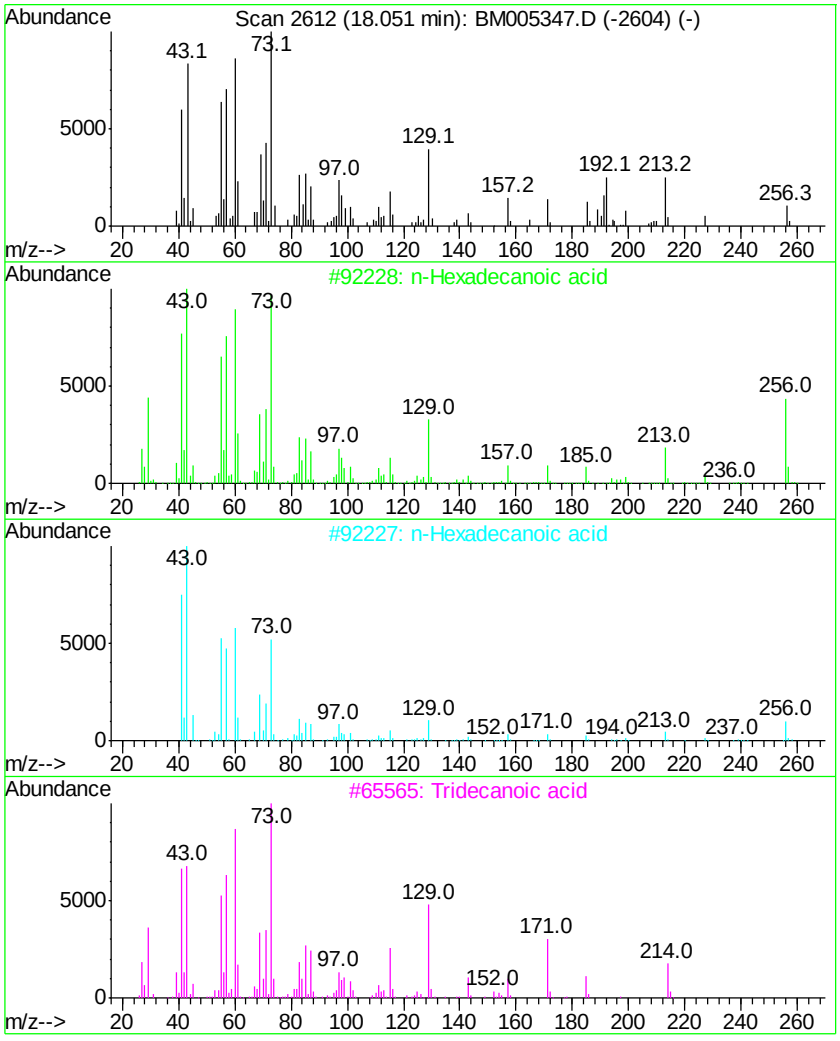
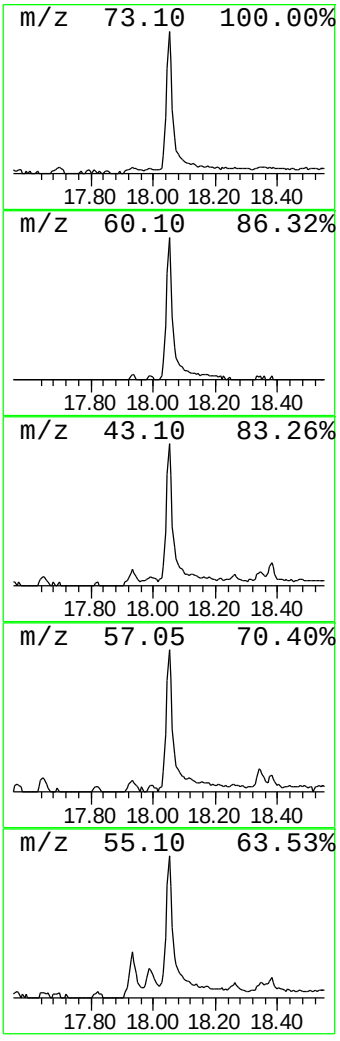
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.83 ng/ul	314714	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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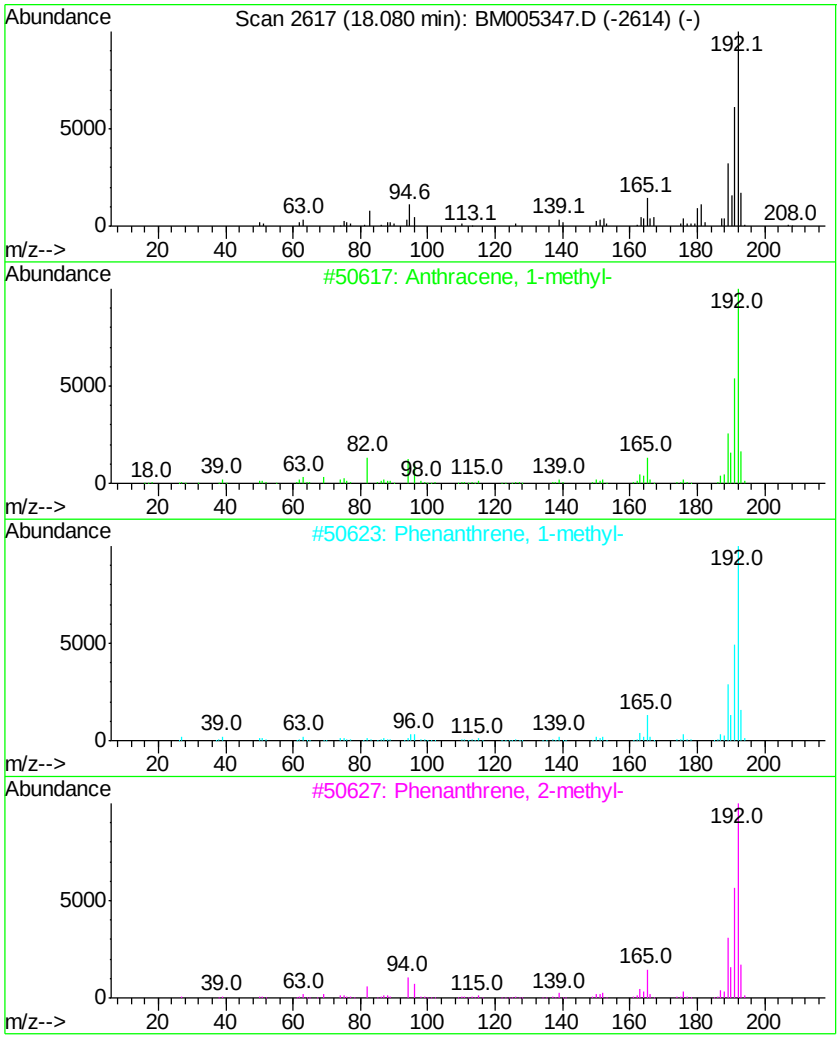
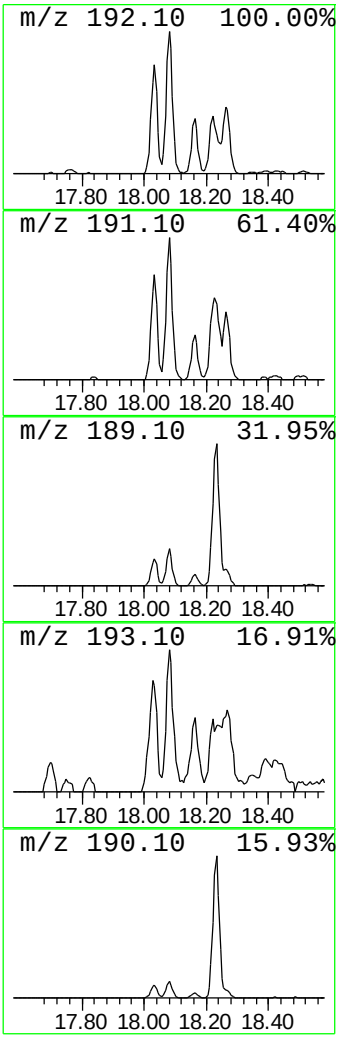
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.68 ng/ul	220607	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Instrument : BNA_M
ClientSampleId : BD3C5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

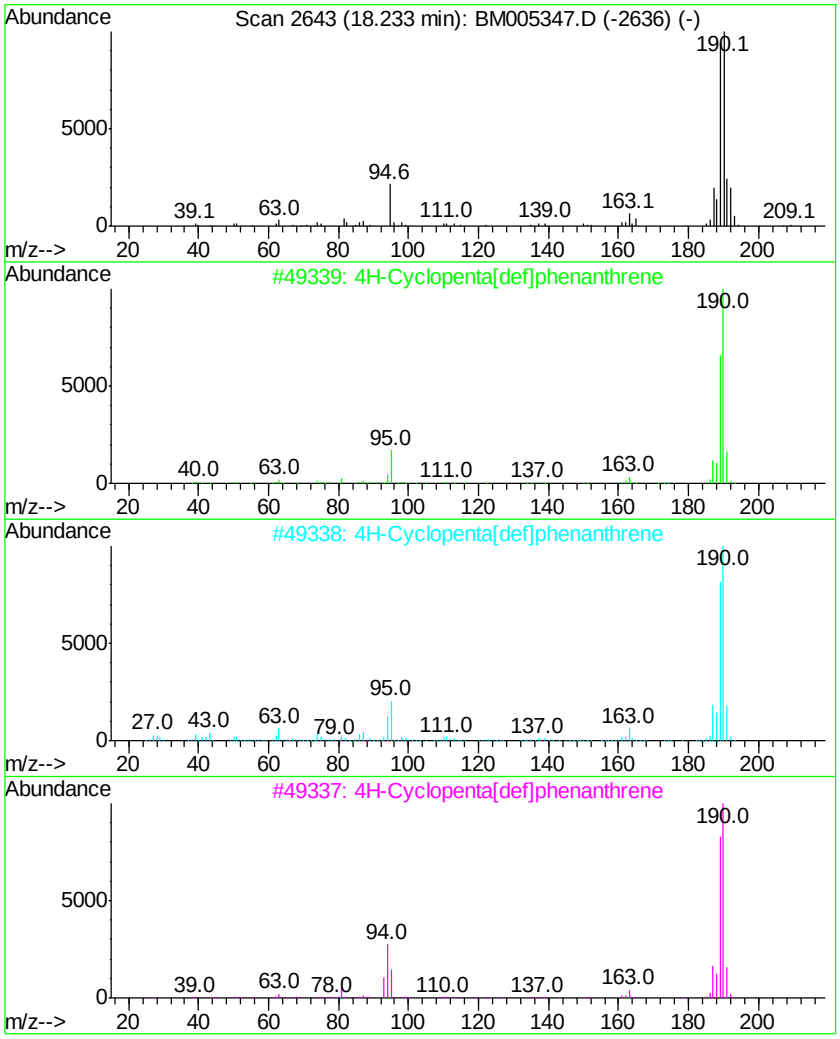
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

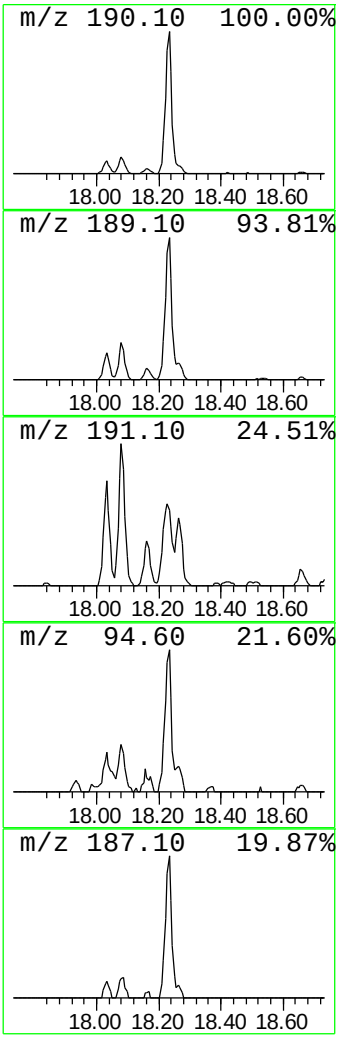
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.38 ng/ul	278201	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Data File : BM005347.D
Acq On : 08 May 2016 15:11
Operator : UM/SJ
Sample : H2772-21
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3C5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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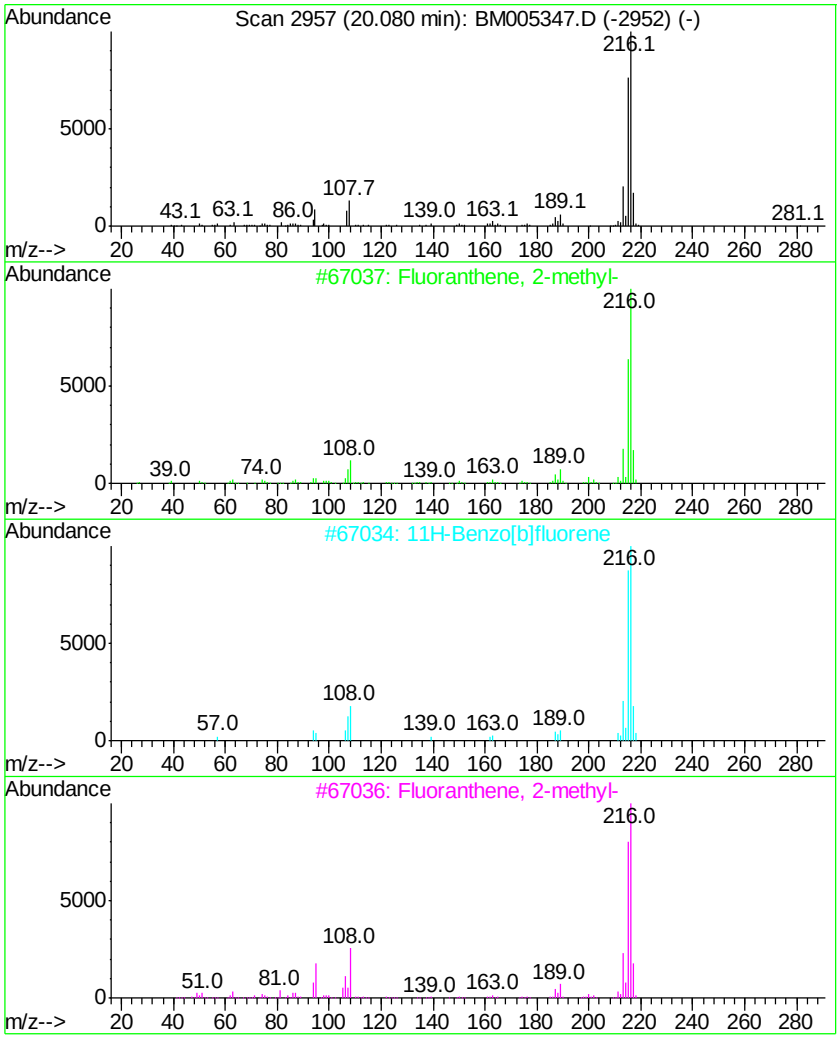
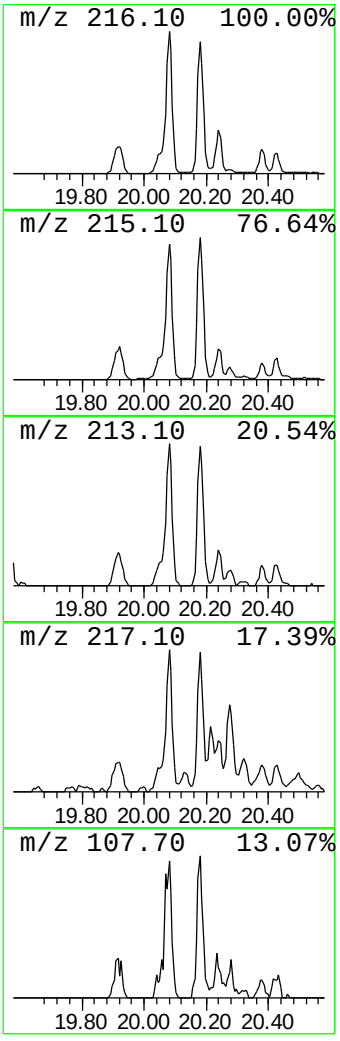
Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.08	2.43 ng/ul	403652	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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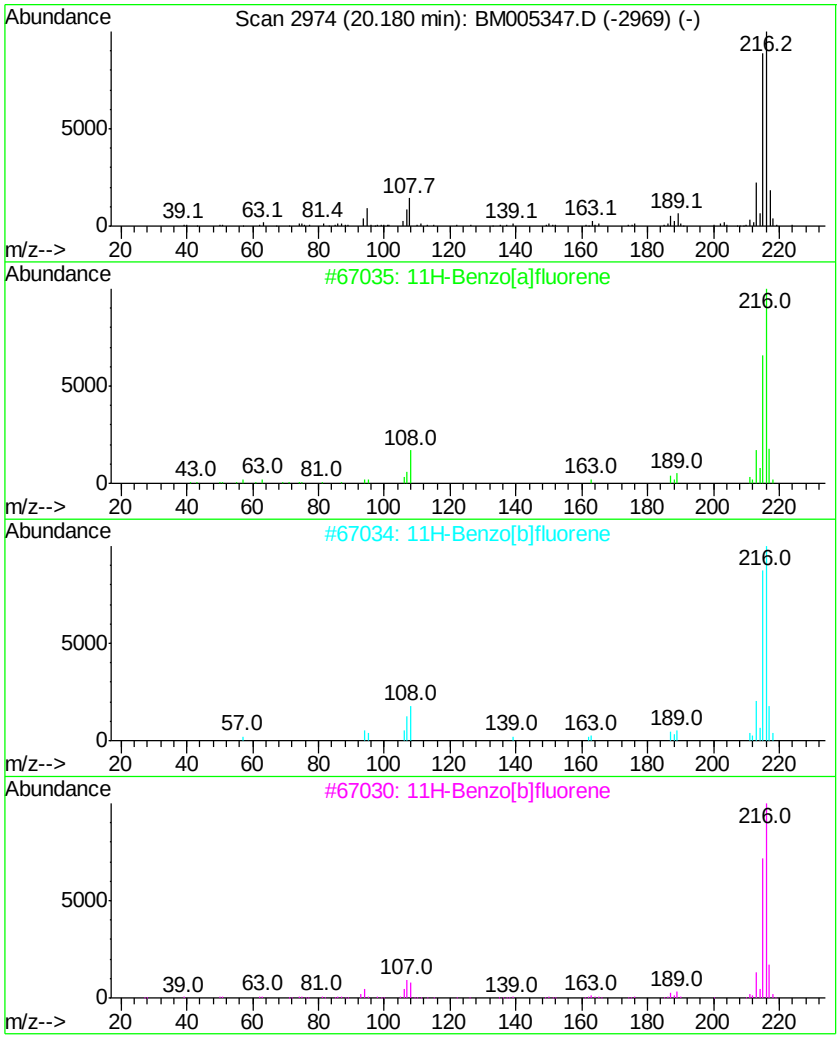
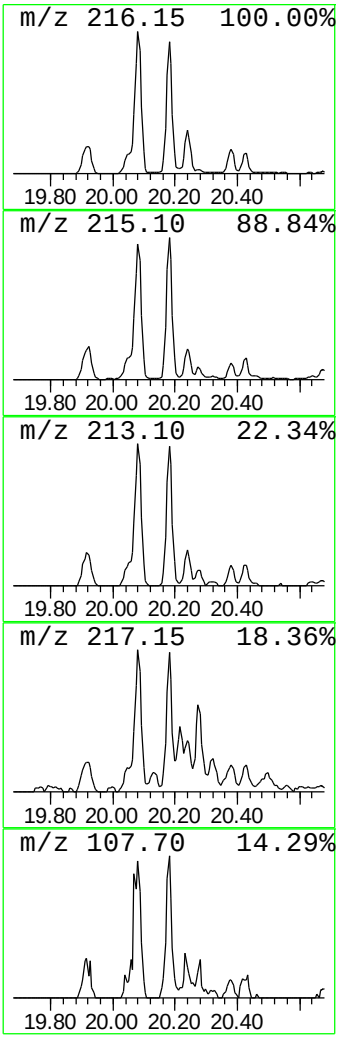
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.10 ng/ul	347794	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : H2772-21
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3C5

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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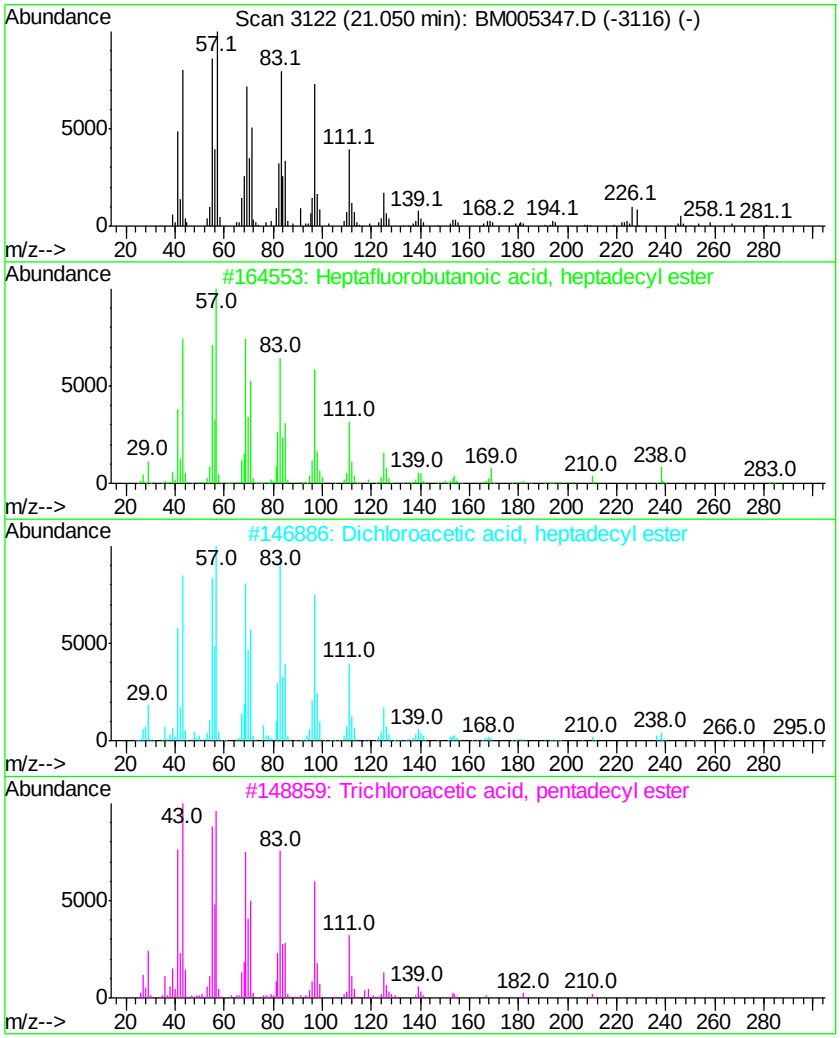
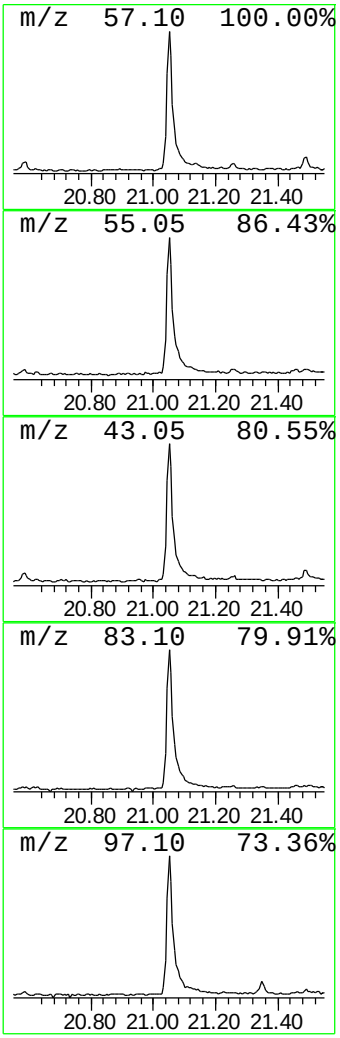
Peak Number 8 Heptafluorobutanoic acid, h... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.57 ng/ul	426694	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	1-Octadecanol	270	C18H38O	000112-92-5	91





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ClientSampleId : BD3C5

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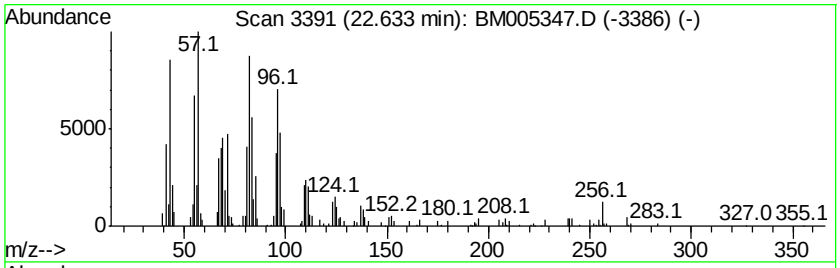
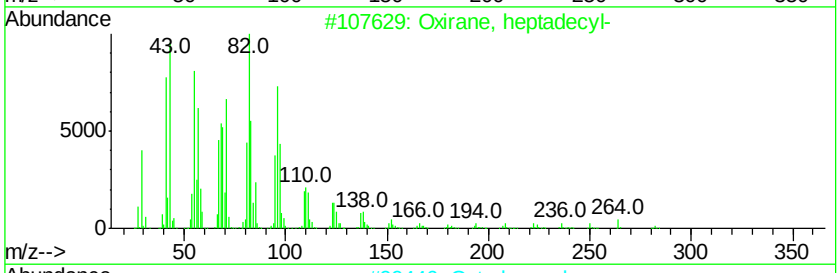
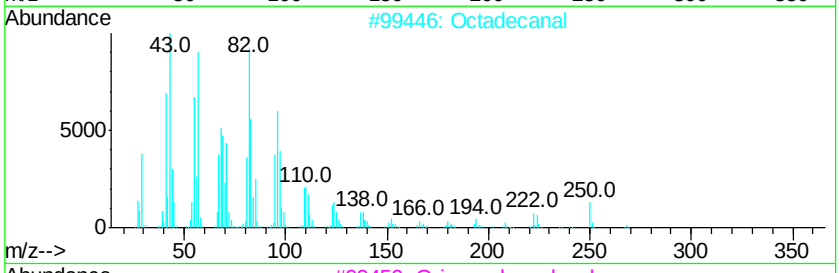
Peak Number 9 Oxirane, heptadecyl- Concentration Rank 9

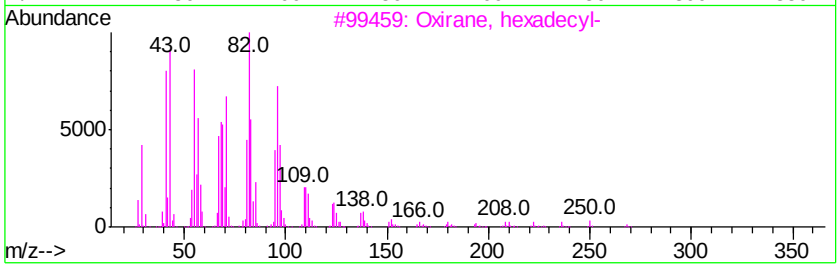
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	2.58 ng/ul	209139	Perylene-d12	23.63

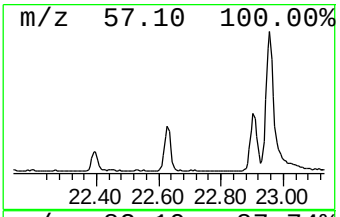
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2	Octadecanal	268	C18H36O	000638-66-4	94
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
5	Octadecanal	268	C18H36O	000638-66-4	87

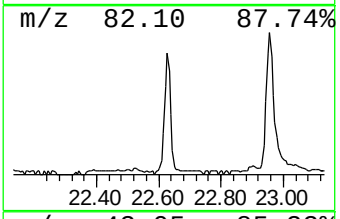


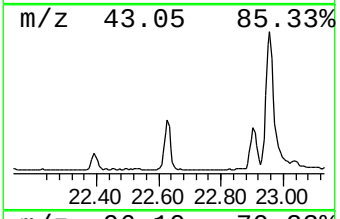


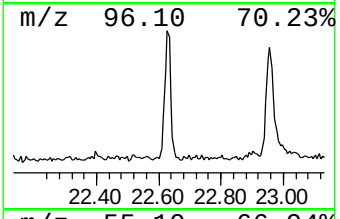


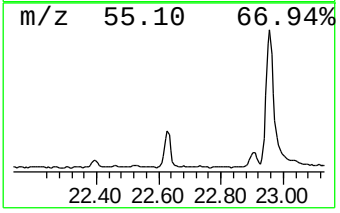












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TIC Integration Parameters: LSCINT.P

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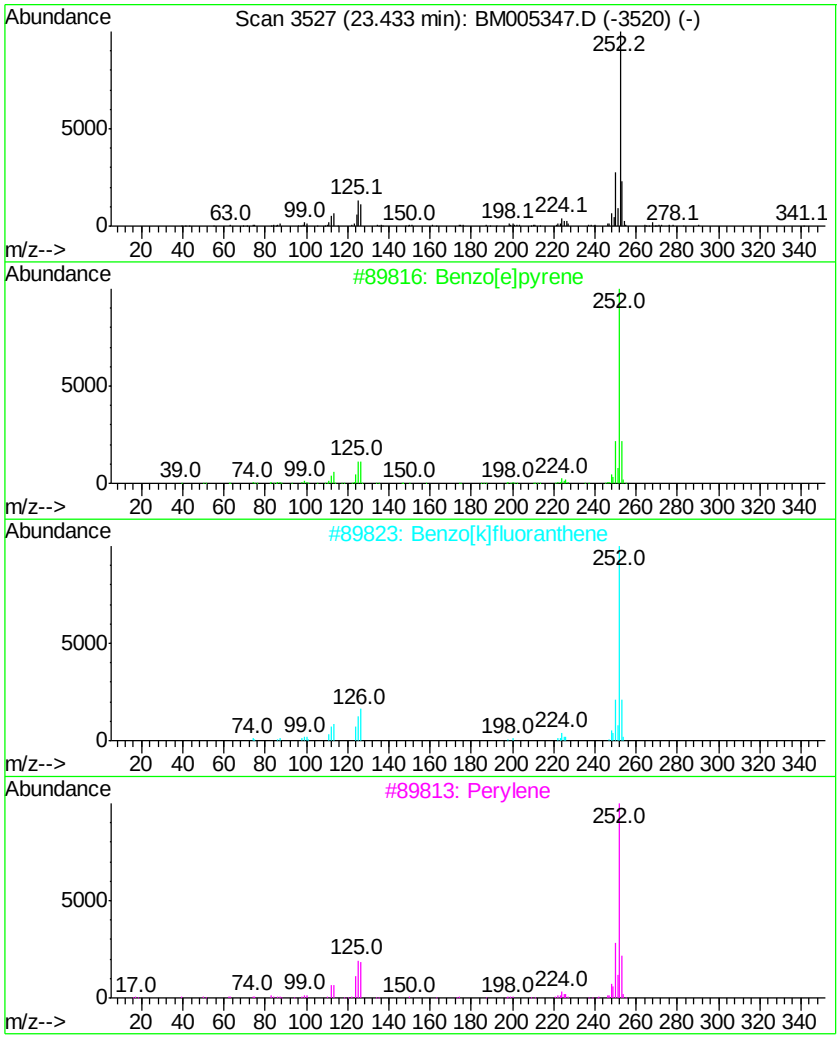
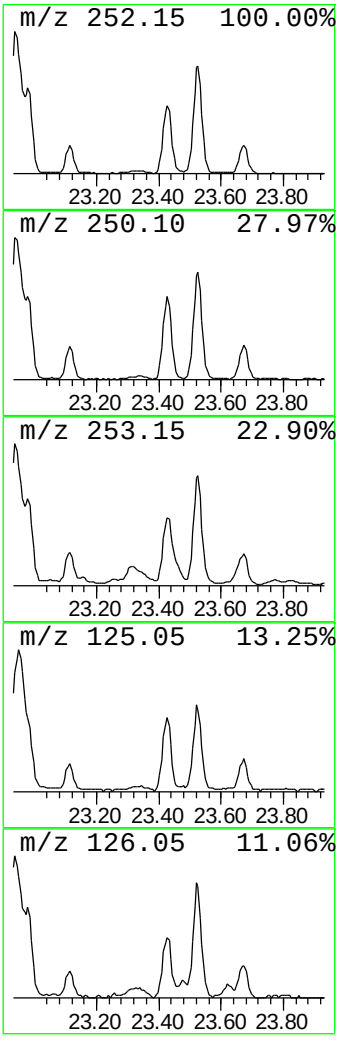
Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.43	4.54 ng/ul	368211	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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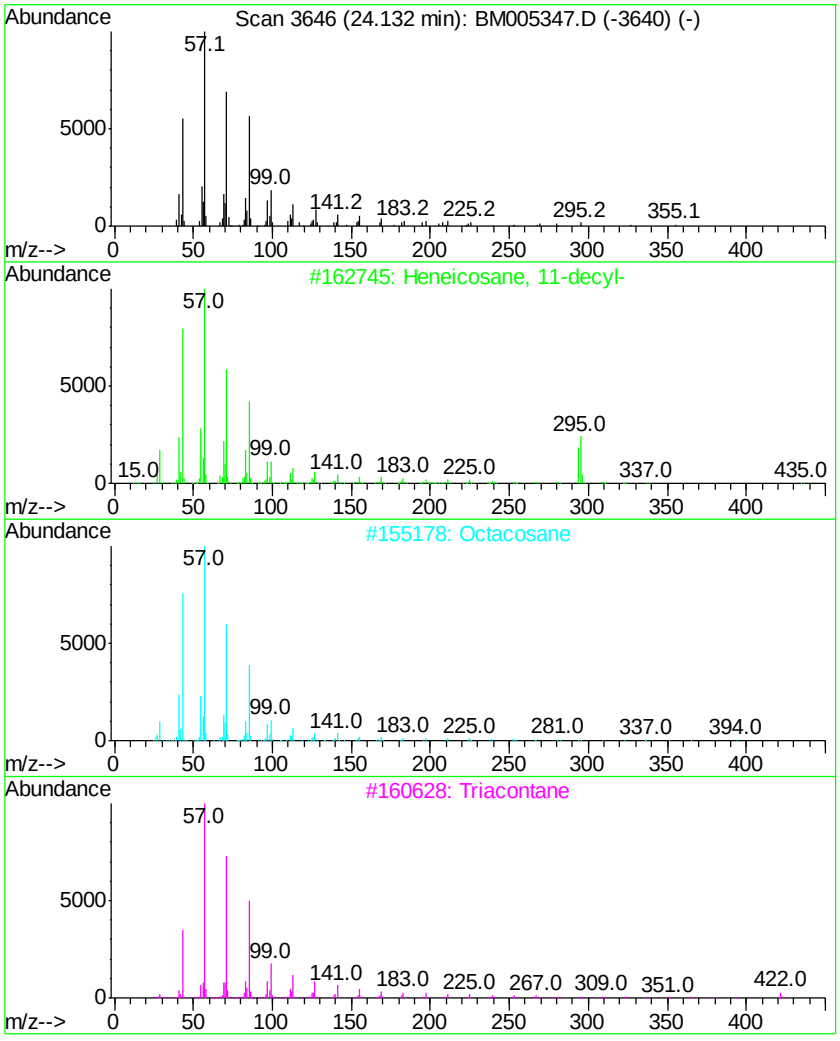
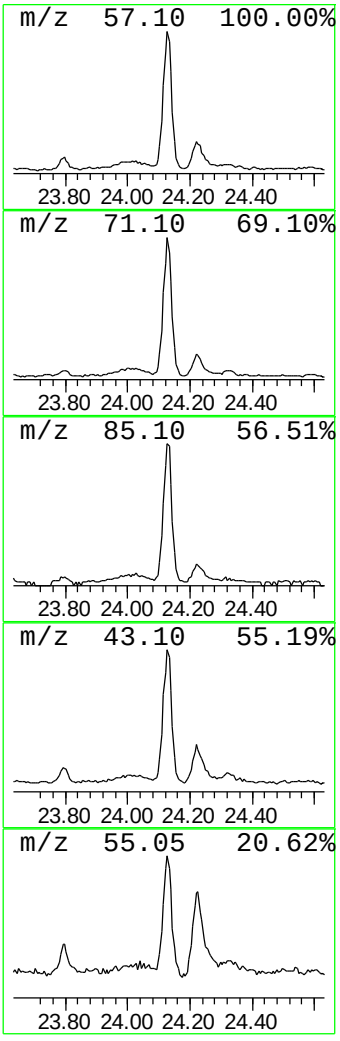
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	2.82 ng/ul	228357	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Octacosane	394	C28H58	000630-02-4	91





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Amylene Hydrate	2.73	2.8	ng/ul	82500	1	7.77	594670	20.0
Butane, 2-methoxy...	3.01	3.5	ng/ul	104237	1	7.77	594670	20.0
n-Hexadecanoic acid	18.05	3.8	ng/ul	314714	4	17.16	1645150	20.0
Anthracene, 1-met...	18.08	2.7	ng/ul	220607	4	17.16	1645150	20.0
4H-Cyclopenta[def...	18.23	3.4	ng/ul	278201	4	17.16	1645150	20.0
Fluoranthene, 2-m...	20.08	2.4	ng/ul	403652	5	21.35	3319770	20.0
11H-Benzo[a]fluorene	20.18	2.1	ng/ul	347794	5	21.35	3319770	20.0
Heptafluorobutano...	21.05	2.6	ng/ul	426694	5	21.35	3319770	20.0
Oxirane, heptadecyl-	22.63	2.6	ng/ul	209139	6	23.63	1621550	20.0
Benzo[e]pyrene	23.43	4.5	ng/ul	368211	6	23.63	1621550	20.0
(DEL) Alkane: Str...	24.13	2.8	ng/ul	228357	6	23.63	1621550	20.0