

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
 Data File : BM004258.D
 Acq On : 15 Feb 2016 11:34
 Operator : SJ/UM
 Sample : H1414-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9QC2

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 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	2.763	8	13	24	rBV	66379	122923	14.77%	0.970%
2	2.846	24	27	33	rVB	14471	17715	2.13%	0.140%
3	6.828	698	704	713	rBB	72653	110689	13.30%	0.874%
4	6.981	725	730	737	rBB	62598	91545	11.00%	0.723%
5	7.075	740	746	753	rBB	82462	122808	14.75%	0.969%
6	7.181	758	764	774	rBB2	81629	142057	17.06%	1.121%
7	7.645	837	843	849	rBB	85721	132310	15.89%	1.044%
8	8.175	926	933	939	rBV2	42971	102321	12.29%	0.808%
9	8.363	959	965	974	rBB	105671	159266	19.13%	1.257%
10	8.451	974	980	987	rBB	43026	65292	7.84%	0.515%
11	8.710	1019	1024	1029	rBB	51031	78918	9.48%	0.623%
12	8.804	1034	1040	1048	rBB	75486	118601	14.25%	0.936%
13	9.216	1105	1110	1113	rBB	4606	6153	0.74%	0.049%
14	9.363	1130	1135	1141	rBB	36649	53526	6.43%	0.423%
15	9.522	1157	1162	1169	rBB	59636	91971	11.05%	0.726%
16	9.851	1212	1218	1226	rBB	122329	184127	22.12%	1.454%
17	10.063	1248	1254	1266	rBB2	110474	269169	32.33%	2.125%
18	10.433	1310	1317	1322	rBV	136584	219560	26.37%	1.733%
19	10.480	1322	1325	1332	rVB	44961	68081	8.18%	0.537%
20	10.580	1336	1342	1352	rBB	45557	76921	9.24%	0.607%
21	12.245	1621	1625	1633	rBV	3582	8112	0.97%	0.064%
22	12.327	1633	1639	1647	rVB	122424	182401	21.91%	1.440%
23	12.457	1656	1661	1662	rBV	49991	58736	7.06%	0.464%
24	12.480	1662	1665	1671	rVB	92295	144128	17.31%	1.138%
25	12.804	1715	1720	1731	rBB	112733	176058	21.15%	1.390%
26	13.121	1770	1774	1777	rBV	17691	21839	2.62%	0.172%
27	13.174	1777	1783	1790	rVB	183306	279443	33.57%	2.206%
28	13.716	1870	1875	1880	rBV	215063	291844	35.06%	2.304%
29	13.763	1880	1883	1889	rVB	69865	91936	11.04%	0.726%
30	13.892	1900	1905	1910	rBB	125320	164961	19.82%	1.302%
31	13.998	1917	1923	1926	rBV	272869	414691	49.82%	3.274%
32	14.204	1953	1958	1963	rBB	27119	32706	3.93%	0.258%
33	14.310	1968	1976	1982	rBV2	203449	310043	37.24%	2.448%
34	14.368	1982	1986	1990	rVB	8165	10848	1.30%	0.086%

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

35	14.533	2009	2014	2028	rBV	76534	122117	14.67%	0.964%
36	14.645	2029	2033	2036	rVV3	4776	8848	1.06%	0.070%
37	14.704	2036	2043	2050	rVB2	114906	222013	26.67%	1.753%
38	14.762	2050	2053	2056	rBB2	6297	7260	0.87%	0.057%
39	14.821	2059	2063	2068	rBB3	6355	9896	1.19%	0.078%
40	14.892	2071	2075	2079	rBB	4709	5614	0.67%	0.044%
41	15.104	2108	2111	2116	rBV	6559	10194	1.22%	0.080%
42	15.157	2116	2120	2125	rVB	42981	55612	6.68%	0.439%
43	15.215	2125	2130	2135	rBV3	3125	5163	0.62%	0.041%
44	15.304	2139	2145	2150	rVV	386124	534740	64.24%	4.221%
45	15.357	2150	2154	2161	rVB2	404191	585844	70.38%	4.625%
46	15.445	2164	2169	2176	rVB	72671	96618	11.61%	0.763%
47	15.568	2180	2190	2194	rBV3	12025	29576	3.55%	0.233%
48	15.662	2201	2206	2211	rVB3	5319	8815	1.06%	0.070%
49	15.715	2211	2215	2221	rBV3	5693	10161	1.22%	0.080%
50	15.780	2221	2226	2231	rBV2	5359	8068	0.97%	0.064%
51	15.898	2243	2246	2252	rVB2	2397	5543	0.67%	0.044%
52	15.974	2252	2259	2262	rBV2	3640	7255	0.87%	0.057%
53	16.021	2262	2267	2275	rBV	40593	68490	8.23%	0.541%
54	16.251	2301	2306	2313	rVV	138225	183796	22.08%	1.451%
55	16.368	2321	2326	2333	rBV	127207	175799	21.12%	1.388%
56	16.427	2333	2336	2340	rVB	5093	5519	0.66%	0.044%
57	16.486	2340	2346	2348	rVB2	3495	5381	0.65%	0.042%
58	16.533	2350	2354	2359	rBV	4411	6325	0.76%	0.050%
59	16.598	2361	2365	2369	rBV2	4951	6214	0.75%	0.049%
60	16.721	2381	2386	2397	rBV	159304	230419	27.68%	1.819%
61	16.815	2397	2402	2406	rBV	26569	32199	3.87%	0.254%
62	16.868	2408	2411	2414	rVB2	7081	8641	1.04%	0.068%
63	16.968	2422	2428	2431	rVB4	2691	5190	0.62%	0.041%
64	17.056	2438	2443	2450	rBV	259088	371717	44.65%	2.934%
65	17.156	2450	2460	2464	rVV	452013	672107	80.74%	5.306%
66	17.192	2464	2466	2472	rVV	187121	214954	25.82%	1.697%
67	17.292	2479	2483	2489	rVB2	4388	6586	0.79%	0.052%
68	17.356	2489	2494	2501	rBV3	4047	8349	1.00%	0.066%
69	17.468	2507	2513	2519	rVV	153412	209969	25.22%	1.658%
70	17.551	2524	2527	2533	rVB	11159	13869	1.67%	0.109%
71	17.651	2542	2544	2550	rVV	2671	5454	0.66%	0.043%

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72	17.727	2553	2557	2563	rVB3	4369	6042	0.73%	0.048%
73	17.833	2570	2575	2581	rBV3	3033	7249	0.87%	0.057%
74	17.951	2589	2595	2598	rVV3	2964	5291	0.64%	0.042%
75	18.015	2602	2606	2612	rVB2	5002	10523	1.26%	0.083%
76	18.250	2642	2646	2650	rVV2	4178	6226	0.75%	0.049%
77	18.492	2683	2687	2690	rVV3	7543	10820	1.30%	0.085%
78	18.521	2690	2692	2699	rVB4	3826	6468	0.78%	0.051%
79	18.698	2717	2722	2729	rVB4	5648	11053	1.33%	0.087%
80	18.768	2729	2734	2737	rBV4	3222	5367	0.64%	0.042%
81	18.827	2739	2744	2748	rBV3	9888	15450	1.86%	0.122%
82	19.098	2788	2790	2800	rVB2	8780	12401	1.49%	0.098%
83	19.227	2804	2812	2818	rVV3	14048	27786	3.34%	0.219%
84	19.350	2829	2833	2839	rVB3	6322	11092	1.33%	0.088%
85	19.468	2847	2853	2860	rVV	548723	736418	88.46%	5.813%
86	19.527	2860	2863	2867	rVB5	5303	7690	0.92%	0.061%
87	19.656	2879	2885	2887	rBV4	3608	7754	0.93%	0.061%
88	20.139	2964	2967	2969	rBV2	4506	5202	0.62%	0.041%
89	20.403	3007	3012	3017	rVV	362824	409382	49.18%	3.232%
90	20.980	3106	3110	3120	rBV3	31929	55291	6.64%	0.436%
91	21.186	3142	3145	3152	rVB3	7172	10609	1.27%	0.084%
92	21.262	3152	3158	3167	rBV2	438200	832459	100.00%	6.571%
93	22.056	3289	3293	3300	rVB	303898	399665	48.01%	3.155%
94	22.433	3352	3357	3364	rVB	115262	155464	18.68%	1.227%
95	22.833	3418	3425	3430	rBV	243849	439172	52.76%	3.467%
96	22.880	3430	3433	3440	rVB	127476	186643	22.42%	1.473%
97	23.362	3508	3515	3524	rBV	316687	552875	66.41%	4.364%
98	23.503	3532	3539	3547	rVB	162882	297380	35.72%	2.348%
99	24.003	3620	3624	3630	rVB4	10953	18800	2.26%	0.148%
100	29.373	4530	4537	4539	rBV4	13813	31149	3.74%	0.246%

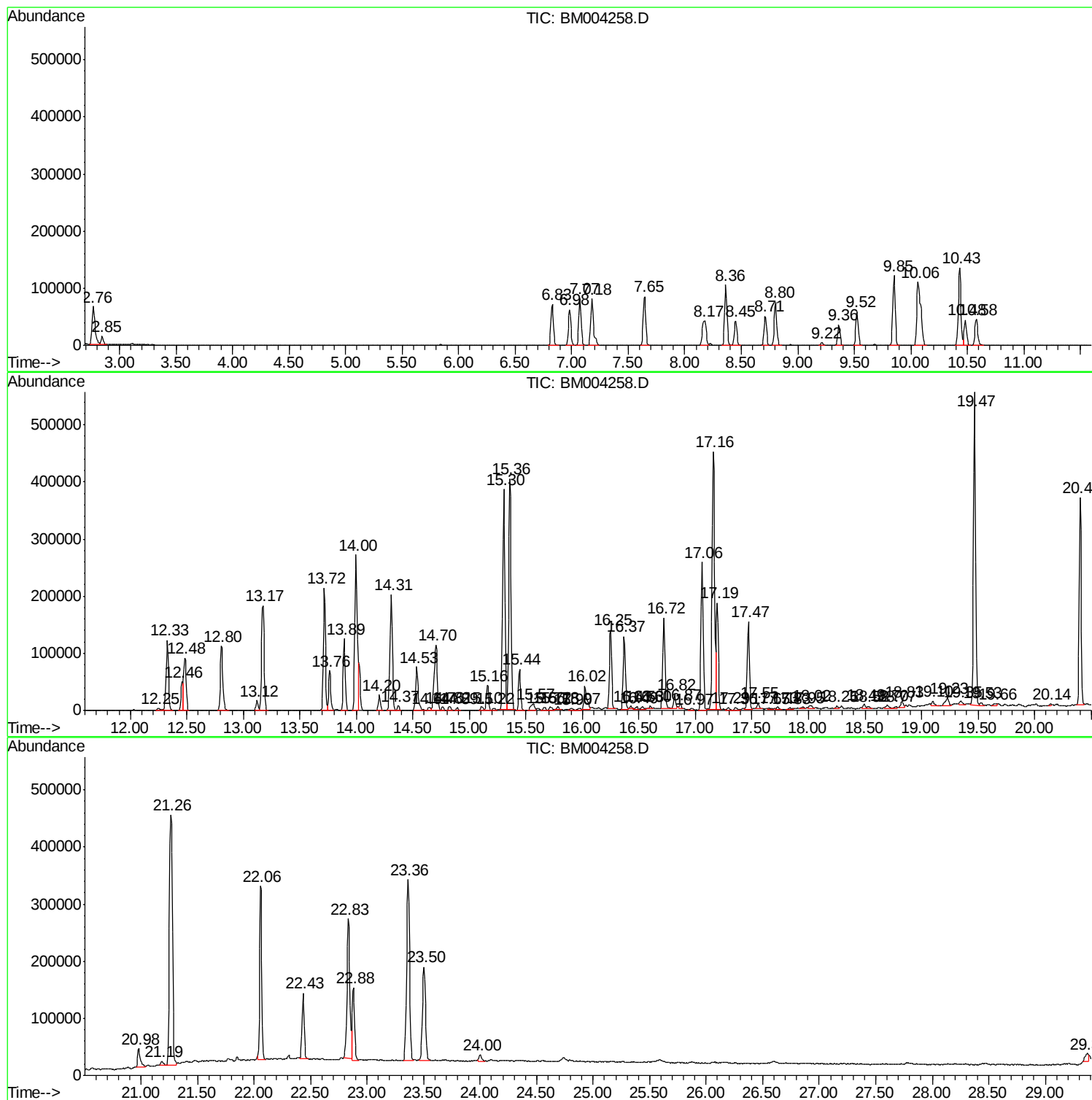
Sum of corrected areas: 12667735

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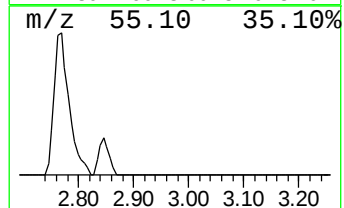
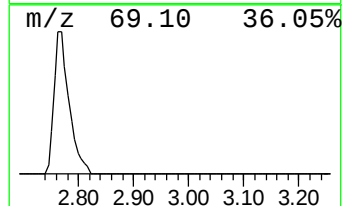
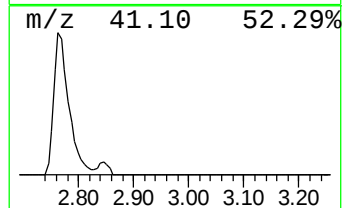
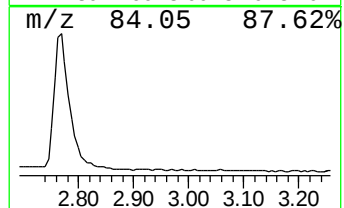
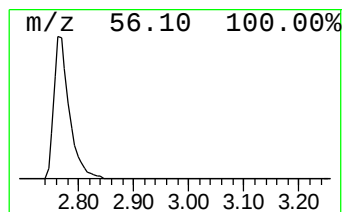
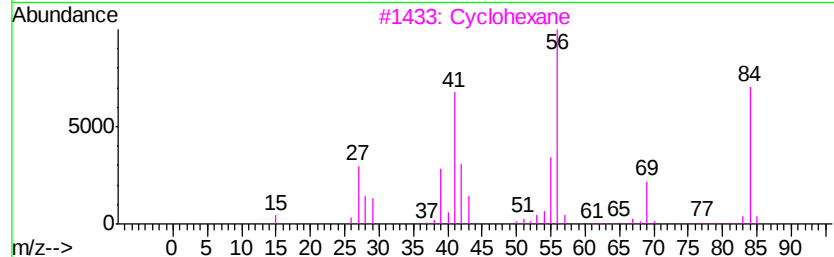
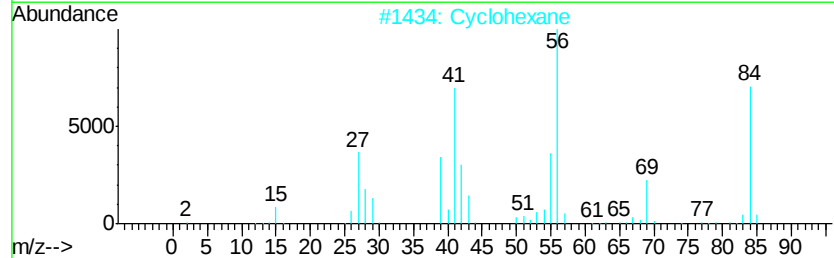
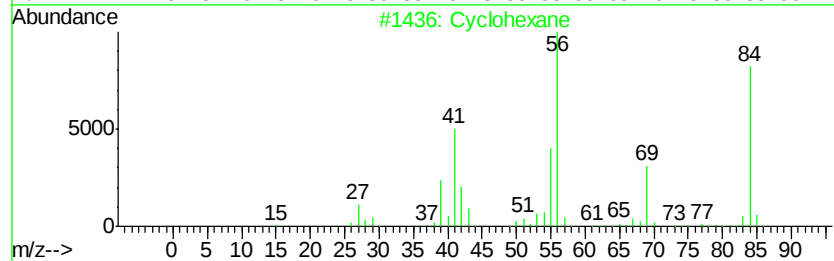
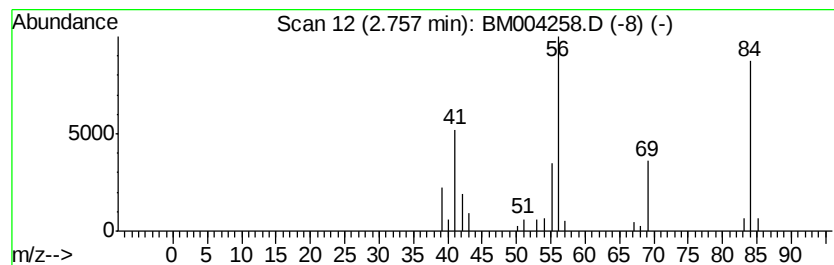
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Cyclic2.76 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	18.58 ng/ul	122923	1,4-Dichlorobenzene-d4	7.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane	84	C6H12	000110-82-7	94
2		Cyclohexane	84	C6H12	000110-82-7	91
3		Cyclohexane	84	C6H12	000110-82-7	91
4		Cyclohexane	84	C6H12	000110-82-7	83
5		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72



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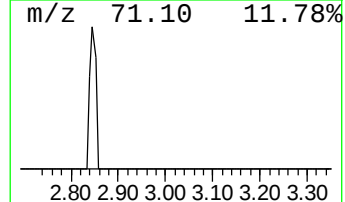
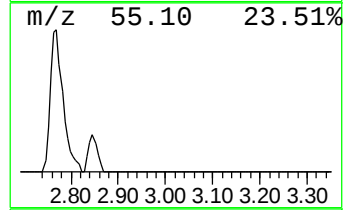
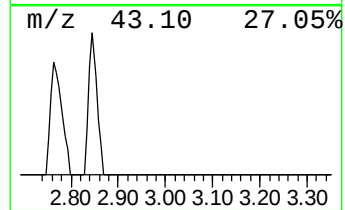
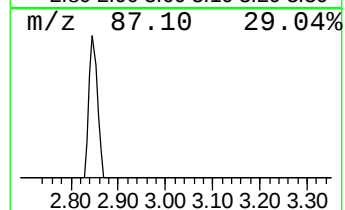
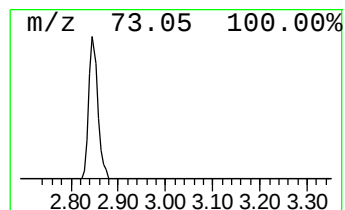
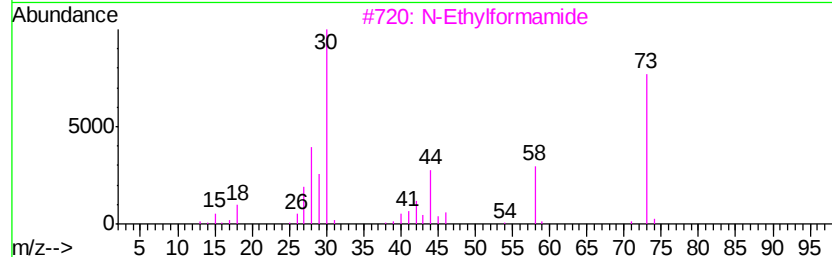
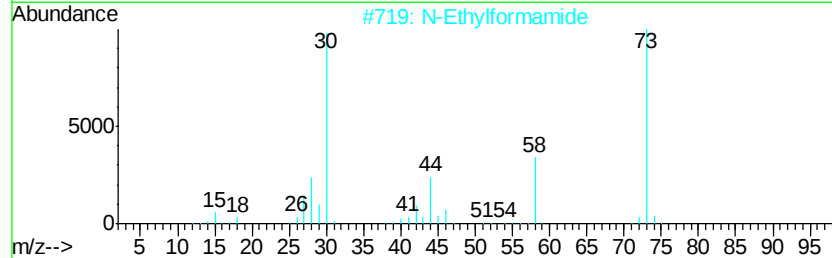
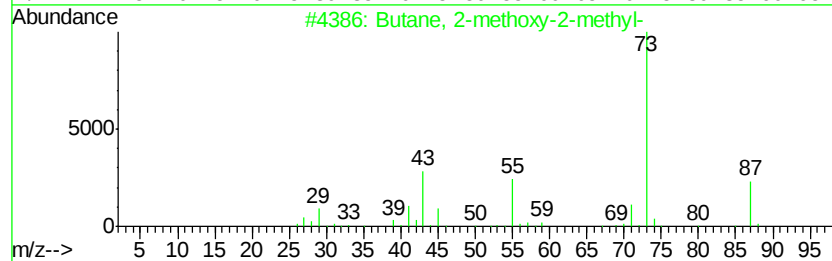
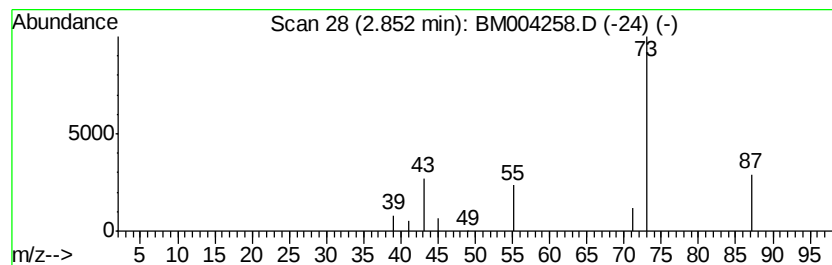
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM021216.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
2.85	2.68 ng/ul	17715	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	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	7
3	N-Ethylformamide	73	C3H7NO	000627-45-2	5
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	4
5	Acetic acid, 3-[1,3]dioxolan-2-yl	174	C8H14O4	1000186-02-3	4



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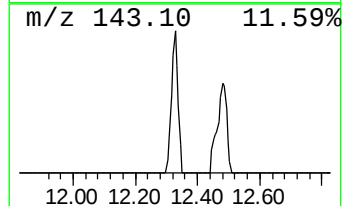
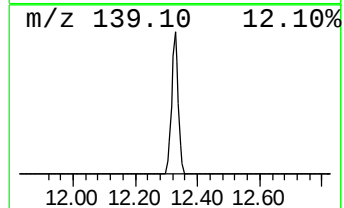
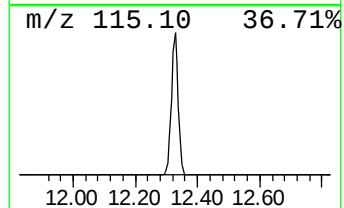
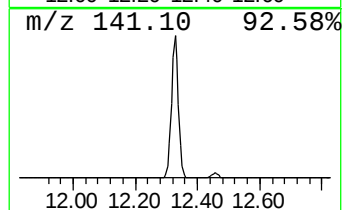
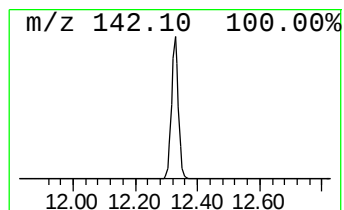
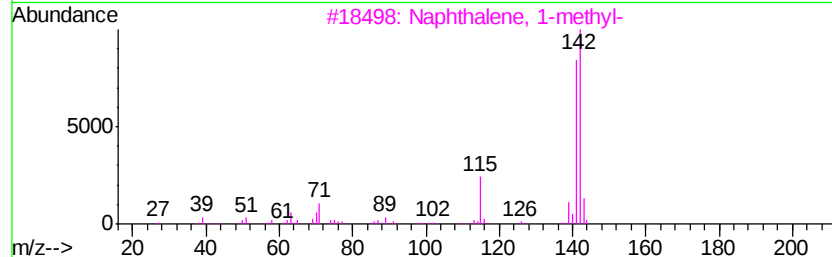
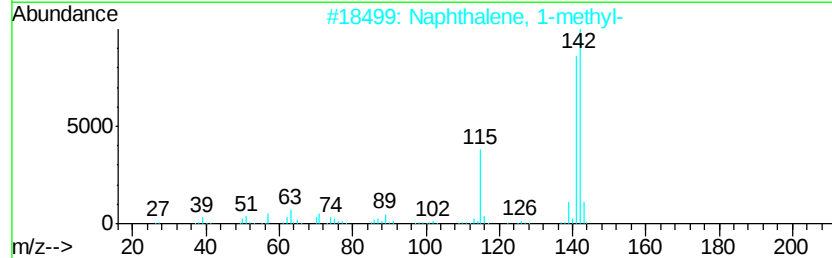
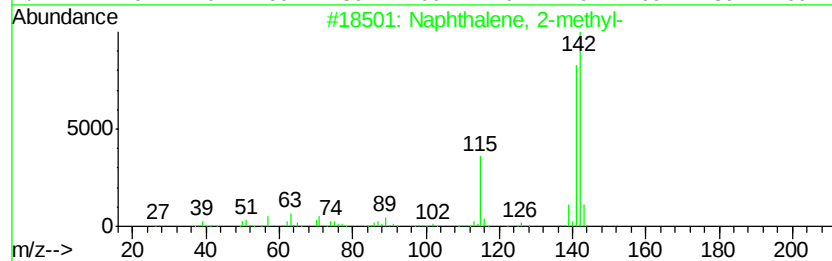
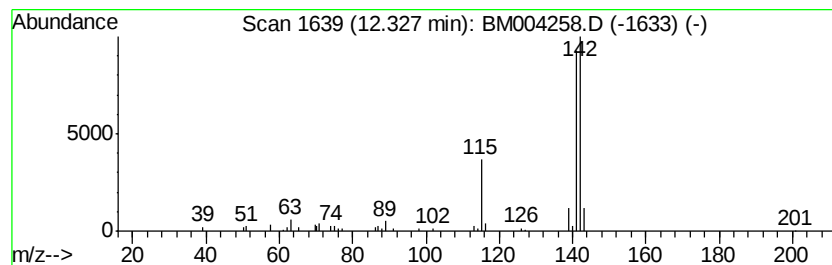
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	16.62 ng/ul	182401	Naphthalene-d8	10.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9QC2

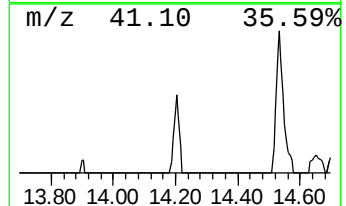
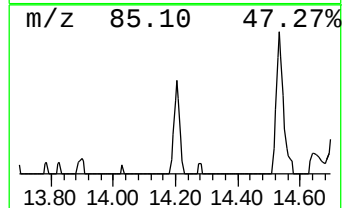
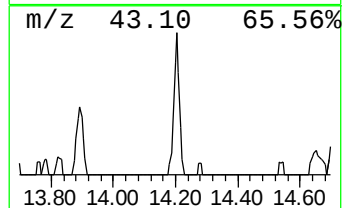
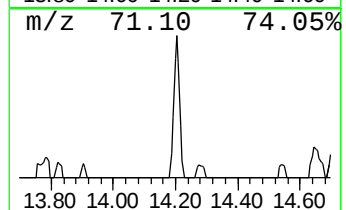
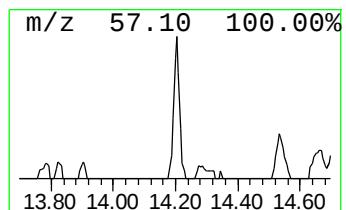
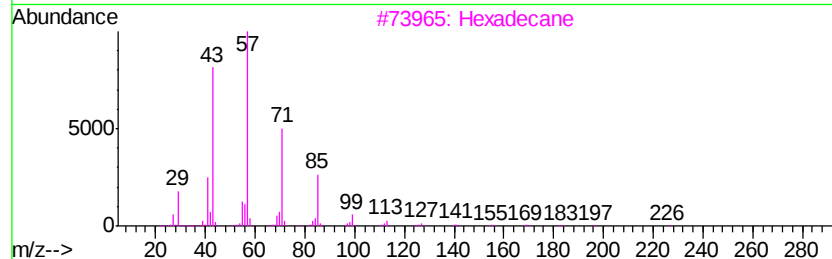
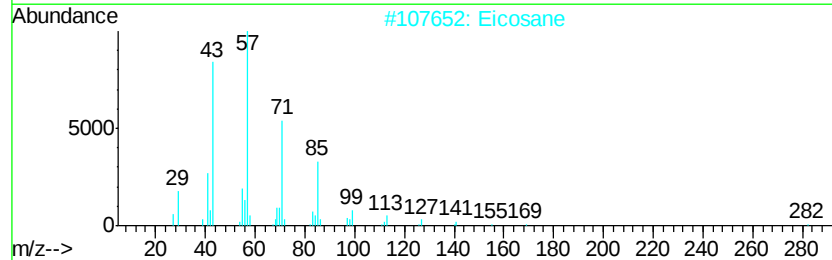
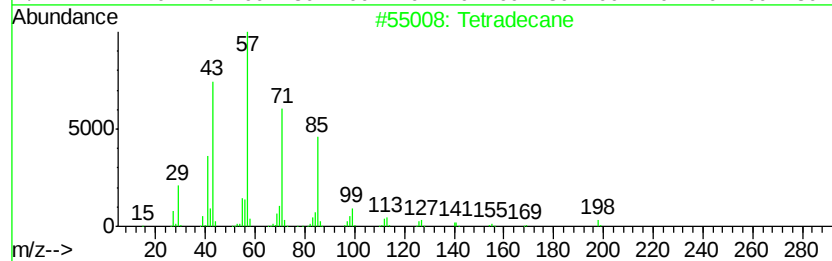
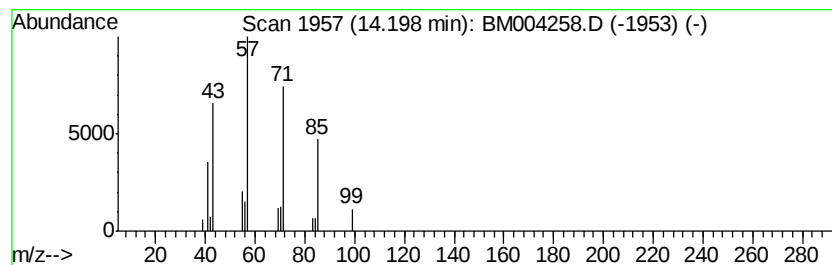
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	2.11 ng/ul	32706	Acenaphthene-d10	14.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	86
2			Eicosane	282	C20H42	000112-95-8	83
3			Hexadecane	226	C16H34	000544-76-3	83
4			Tridecane	184	C13H28	000629-50-5	78
5			Hexadecane	226	C16H34	000544-76-3	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9QC2

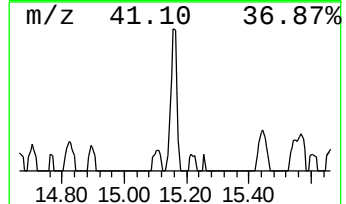
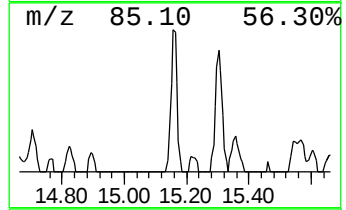
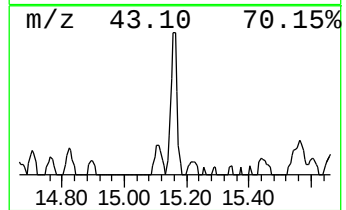
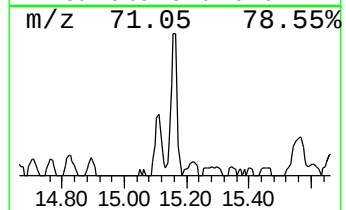
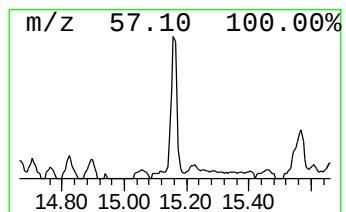
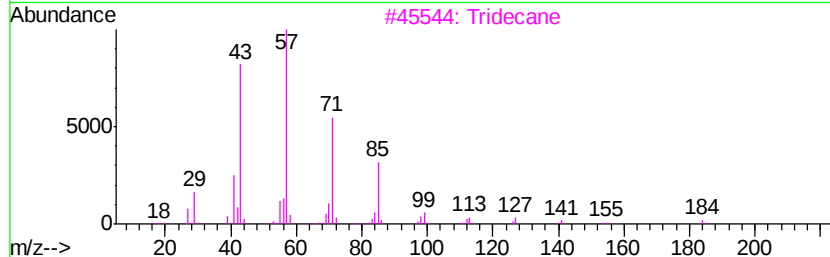
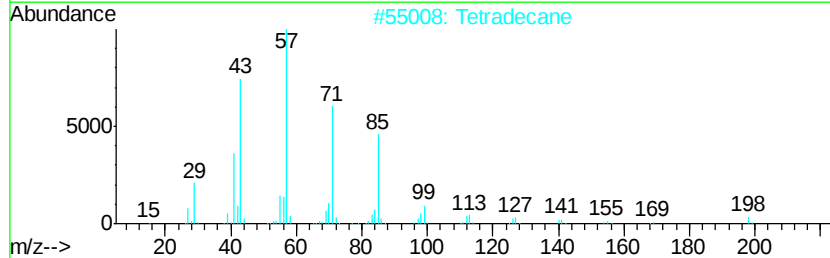
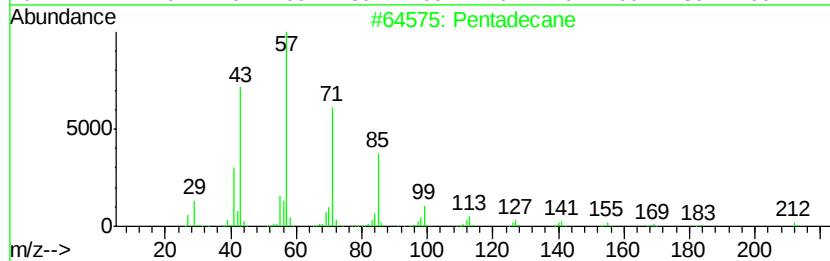
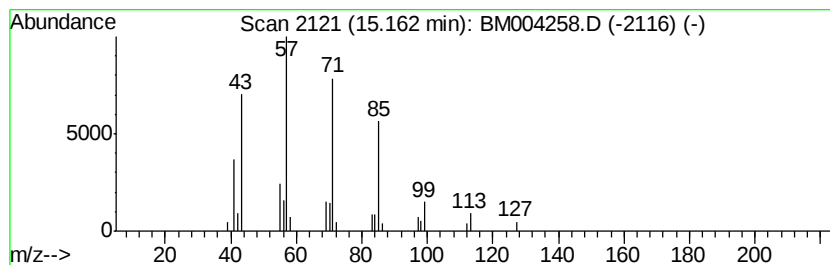
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	3.59 ng/ul	55612	Acenaphthene-d10	14.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	90
2		Tetradecane	198	C14H30	000629-59-4	90
3		Tridecane	184	C13H28	000629-50-5	83
4		Hexadecane	226	C16H34	000544-76-3	83
5		Hexadecane	226	C16H34	000544-76-3	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9QC2

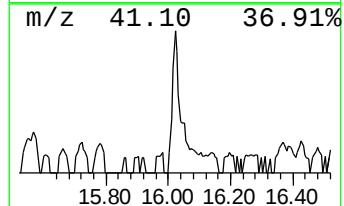
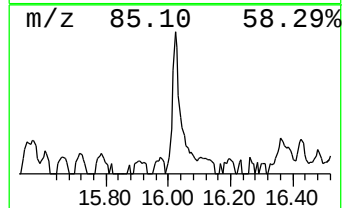
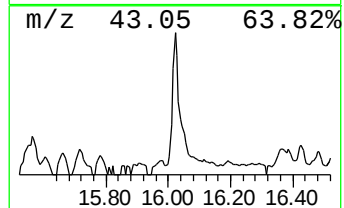
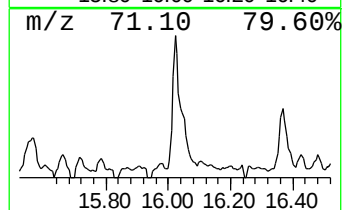
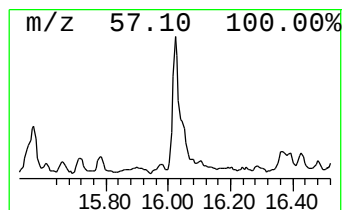
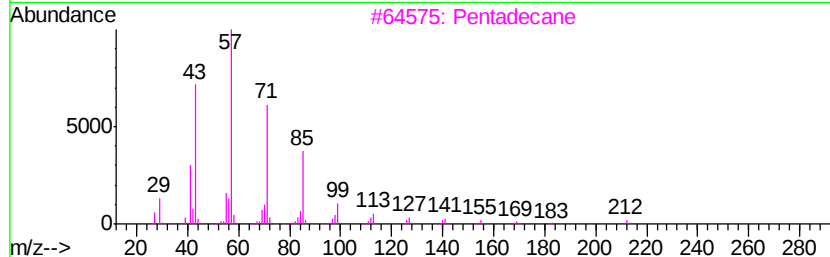
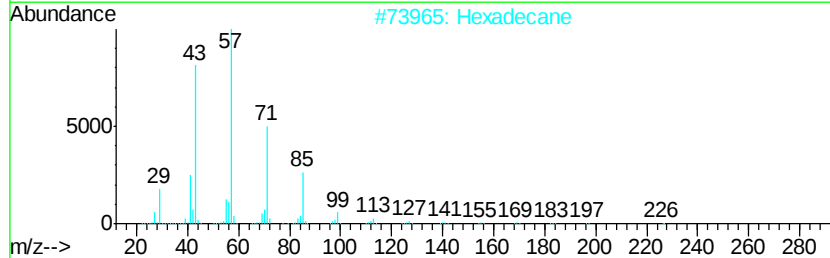
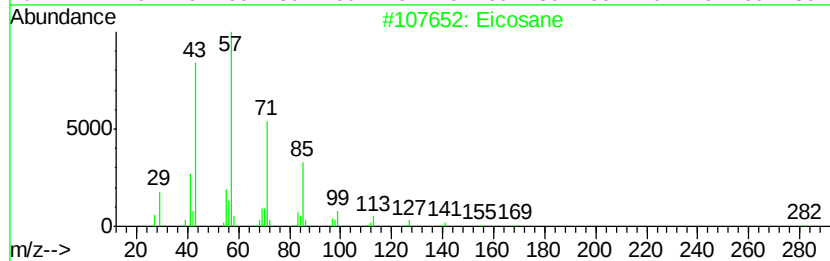
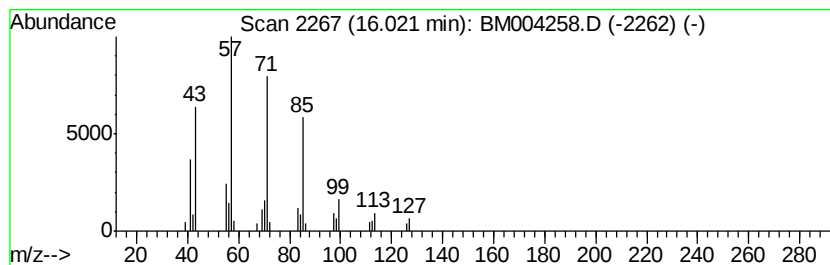
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.69 ng/ul	68490	Phenanthrene-d10	17.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	90
2		Hexadecane	226	C16H34	000544-76-3	86
3		Pentadecane	212	C15H32	000629-62-9	78
4		Hexadecane	226	C16H34	000544-76-3	78
5		Heptadecane	240	C17H36	000629-78-7	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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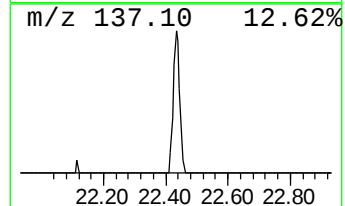
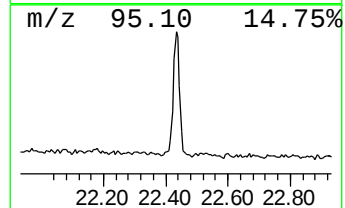
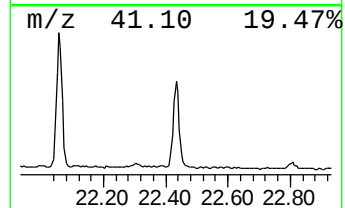
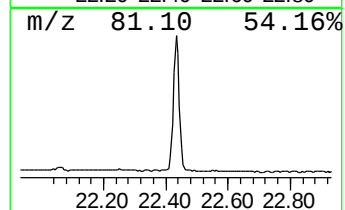
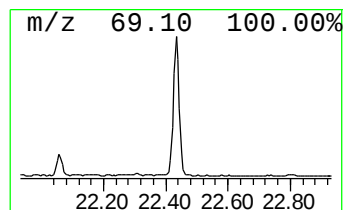
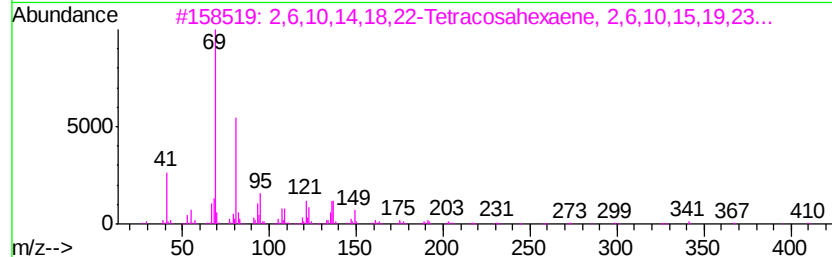
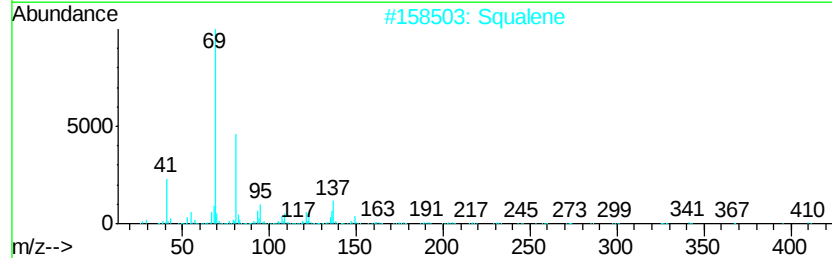
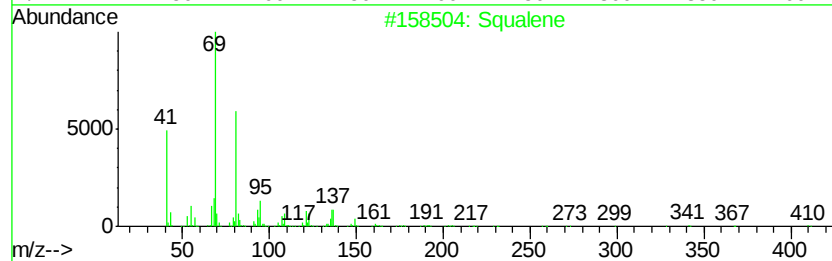
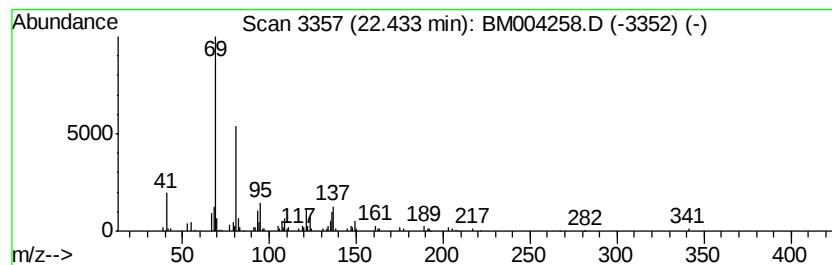
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	10.46 ng/ul	155464	Perylene-d12	23.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	007683-64-9	91
2		Squalene	410	C30H50	007683-64-9	91
3		2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
4		2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
5		Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021516\
Data File : BM004258.D
Acq On : 15 Feb 2016 11:34
Operator : SJ/UM
Sample : H1414-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9QC2

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	2.76	18.6	ng/ul	122923	1	7.65	132310	20.0
Butane, 2-methoxy...	2.85	2.7	ng/ul	17715	1	7.65	132310	20.0
Naphthalene, 1-me...	12.33	16.6	ng/ul	182401	2	10.43	219560	20.0
(DEL) Alkane: Str...	14.20	2.1	ng/ul	32706	3	14.31	310043	20.0
(DEL) Alkane: Str...	15.16	3.6	ng/ul	55612	3	14.31	310043	20.0
(DEL) Alkane: Str...	16.02	3.7	ng/ul	68490	4	17.06	371717	20.0
Squalene	22.43	10.5	ng/ul	155464	6	23.50	297380	20.0