

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004010.D
 Acq On : 14 Jan 2016 07:01
 Operator : SJ/UM
 Sample : H1098-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC967

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-BM010116.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	3.128	4	7	12	rVB	5689	6272	0.54%	0.047%
2	6.840	633	638	650	rBB	134990	213620	18.36%	1.603%
3	6.998	660	665	675	rBB	114685	172759	14.85%	1.297%
4	7.198	693	699	707	rBB	147148	223836	19.24%	1.680%
5	7.663	772	778	785	rBB	164420	247727	21.29%	1.859%
6	8.375	893	899	910	rBB	172039	269622	23.17%	2.024%
7	8.822	969	975	983	rBB	142632	224549	19.30%	1.685%
8	9.539	1091	1097	1104	rBB	119644	189563	16.29%	1.423%
9	10.081	1183	1189	1200	rBB	188545	311168	26.74%	2.336%
10	10.451	1245	1252	1259	rBV	256169	416429	35.79%	3.126%
11	10.592	1270	1276	1295	rBB	178100	299456	25.74%	2.248%
12	13.139	1705	1709	1711	rBB	3522	3848	0.33%	0.029%
13	13.727	1803	1809	1813	rBV	379878	534010	45.90%	4.008%
14	13.774	1813	1817	1824	rVB	252548	352649	30.31%	2.647%
15	14.010	1851	1857	1867	rBV	450064	660635	56.78%	4.959%
16	14.216	1888	1892	1897	rBB	23600	29041	2.50%	0.218%
17	14.321	1903	1910	1917	rBB2	388145	577258	49.61%	4.333%
18	14.539	1941	1947	1964	rBV	129552	209825	18.03%	1.575%
19	14.663	1964	1968	1975	rVV3	3972	8804	0.76%	0.066%
20	14.721	1975	1978	1981	rVB2	4023	4614	0.40%	0.035%
21	14.804	1990	1992	1995	rBV	4497	5985	0.51%	0.045%
22	14.839	1995	1998	2002	rVB3	6174	8350	0.72%	0.063%
23	14.904	2006	2009	2013	rBB	4194	4531	0.39%	0.034%
24	15.174	2050	2055	2060	rVB	41030	50289	4.32%	0.377%
25	15.233	2060	2065	2069	rBV	3211	5450	0.47%	0.041%
26	15.315	2073	2079	2085	rVV	594172	853612	73.37%	6.407%
27	15.374	2085	2089	2094	rVV	2509	4778	0.41%	0.036%
28	15.451	2097	2102	2109	rVB	138099	189726	16.31%	1.424%
29	15.563	2116	2121	2122	rBV2	10886	15019	1.29%	0.113%
30	15.580	2122	2124	2128	rVV	11315	13576	1.17%	0.102%
31	15.615	2128	2130	2134	rVV	3995	4700	0.40%	0.035%
32	15.674	2134	2140	2144	rVB	5068	7272	0.63%	0.055%
33	15.727	2145	2149	2154	rBV2	5355	8171	0.70%	0.061%
34	15.792	2154	2160	2164	rVV2	5589	8276	0.71%	0.062%

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35	16.033	2197	2201	2213	rVV	42992	76917	6.61%	0.577%
36	16.151	2217	2221	2225	rVV5	2311	4219	0.36%	0.032%
37	16.380	2254	2260	2263	rBV2	6383	11516	0.99%	0.086%
38	16.439	2267	2270	2273	rVB	4051	5532	0.48%	0.042%
39	16.492	2276	2279	2283	rBB	3552	4594	0.39%	0.034%
40	16.545	2283	2288	2292	rBV2	3982	5503	0.47%	0.041%
41	16.827	2330	2336	2340	rBV	22778	28680	2.47%	0.215%
42	16.880	2340	2345	2352	rVB3	7116	12010	1.03%	0.090%
43	17.068	2371	2377	2382	rBV2	478973	680650	58.50%	5.109%
44	17.109	2382	2384	2388	rVV	48998	57619	4.95%	0.432%
45	17.168	2388	2394	2407	rVB2	678272	946201	81.33%	7.102%
46	17.568	2458	2462	2465	rBV	6321	8113	0.70%	0.061%
47	17.945	2521	2526	2531	rBV2	11761	23490	2.02%	0.176%
48	17.992	2531	2534	2541	rVB	13770	18486	1.59%	0.139%
49	18.139	2553	2559	2563	rBV3	15506	26839	2.31%	0.201%
50	18.180	2563	2566	2571	rVB	9059	11411	0.98%	0.086%
51	18.451	2609	2612	2616	rVB	5079	6345	0.55%	0.048%
52	18.498	2616	2620	2624	rBV2	5110	7039	0.60%	0.053%
53	18.868	2678	2683	2688	rBV	9669	14826	1.27%	0.111%
54	18.933	2690	2694	2697	rVV3	4144	6730	0.58%	0.051%
55	19.009	2704	2707	2715	rVB2	4160	8231	0.71%	0.062%
56	19.103	2719	2723	2724	rBV	6098	5873	0.50%	0.044%
57	19.139	2724	2729	2734	rVB	88319	116324	10.00%	0.873%
58	19.362	2761	2767	2769	rBV2	4234	6845	0.59%	0.051%
59	19.474	2780	2786	2798	rVB3	770642	1163479	100.00%	8.733%
60	19.580	2798	2804	2808	rBV2	5067	6337	0.54%	0.048%
61	19.686	2818	2822	2826	rVB3	3060	4300	0.37%	0.032%
62	19.833	2841	2847	2854	rVV3	7808	15397	1.32%	0.116%
63	19.998	2872	2875	2882	rVB2	16377	29778	2.56%	0.224%
64	20.103	2889	2893	2897	rVB	9526	10858	0.93%	0.081%
65	20.162	2897	2903	2907	rVB2	12124	17782	1.53%	0.133%
66	20.303	2922	2927	2931	rBV	10059	12927	1.11%	0.097%
67	20.350	2931	2935	2939	rVB2	9364	12809	1.10%	0.096%
68	20.521	2957	2964	2968	rVV3	4390	7476	0.64%	0.056%
69	20.627	2979	2982	2987	rVB2	3737	5192	0.45%	0.039%
70	20.756	3001	3004	3011	rVB2	6486	9795	0.84%	0.074%
71	20.921	3023	3032	3035	rBV5	7004	14128	1.21%	0.106%

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72	20.986	3035	3043	3047	rBV4	97485	161300	13.86%	1.211%
73	21.056	3051	3055	3057	rBV	87390	108919	9.36%	0.818%
74	21.274	3085	3092	3097	rBV	537655	754175	64.82%	5.661%
75	21.309	3097	3098	3104	rVB	42239	42925	3.69%	0.322%
76	21.386	3108	3111	3115	rBV4	5982	12043	1.04%	0.090%
77	21.427	3115	3118	3125	rVB5	14278	25693	2.21%	0.193%
78	21.586	3142	3145	3146	rBV4	4435	5001	0.43%	0.038%
79	21.827	3174	3186	3188	rBV5	14246	44147	3.79%	0.331%
80	21.874	3188	3194	3205	rVB3	61036	133772	11.50%	1.004%
81	22.027	3216	3220	3223	rBV2	6634	8821	0.76%	0.066%
82	22.315	3263	3269	3274	rBV	24759	40684	3.50%	0.305%
83	22.444	3288	3291	3295	rVB	7753	8588	0.74%	0.064%
84	22.544	3304	3308	3312	rBV2	13902	18188	1.56%	0.137%
85	22.780	3344	3348	3349	rBV2	5183	5925	0.51%	0.044%
86	22.815	3349	3354	3360	rBV2	130578	233204	20.04%	1.750%
87	23.321	3435	3440	3442	rBV	15543	27181	2.34%	0.204%
88	23.368	3442	3448	3455	rVV	434566	813782	69.94%	6.108%
89	23.515	3465	3473	3487	rBV	289740	563477	48.43%	4.229%
90	23.691	3497	3503	3512	rVB	52695	92675	7.97%	0.696%
91	24.015	3550	3558	3568	rBV	177394	341835	29.38%	2.566%
92	24.109	3570	3574	3579	rVB4	6996	12623	1.08%	0.095%
93	24.756	3677	3684	3690	rVV	23775	54293	4.67%	0.408%
94	25.203	3752	3760	3771	rBV3	30526	75357	6.48%	0.566%
95	25.615	3822	3830	3841	rVB2	27943	70797	6.08%	0.531%
96	25.762	3848	3855	3864	rBV2	13128	36109	3.10%	0.271%
97	26.438	3966	3970	3972	rBV4	6448	10245	0.88%	0.077%
98	26.538	3981	3987	3992	rBV6	6239	13510	1.16%	0.101%
99	27.285	4105	4114	4125	rVB5	15234	47980	4.12%	0.360%
100	27.803	4197	4202	4205	rBV7	10286	20074	1.73%	0.151%

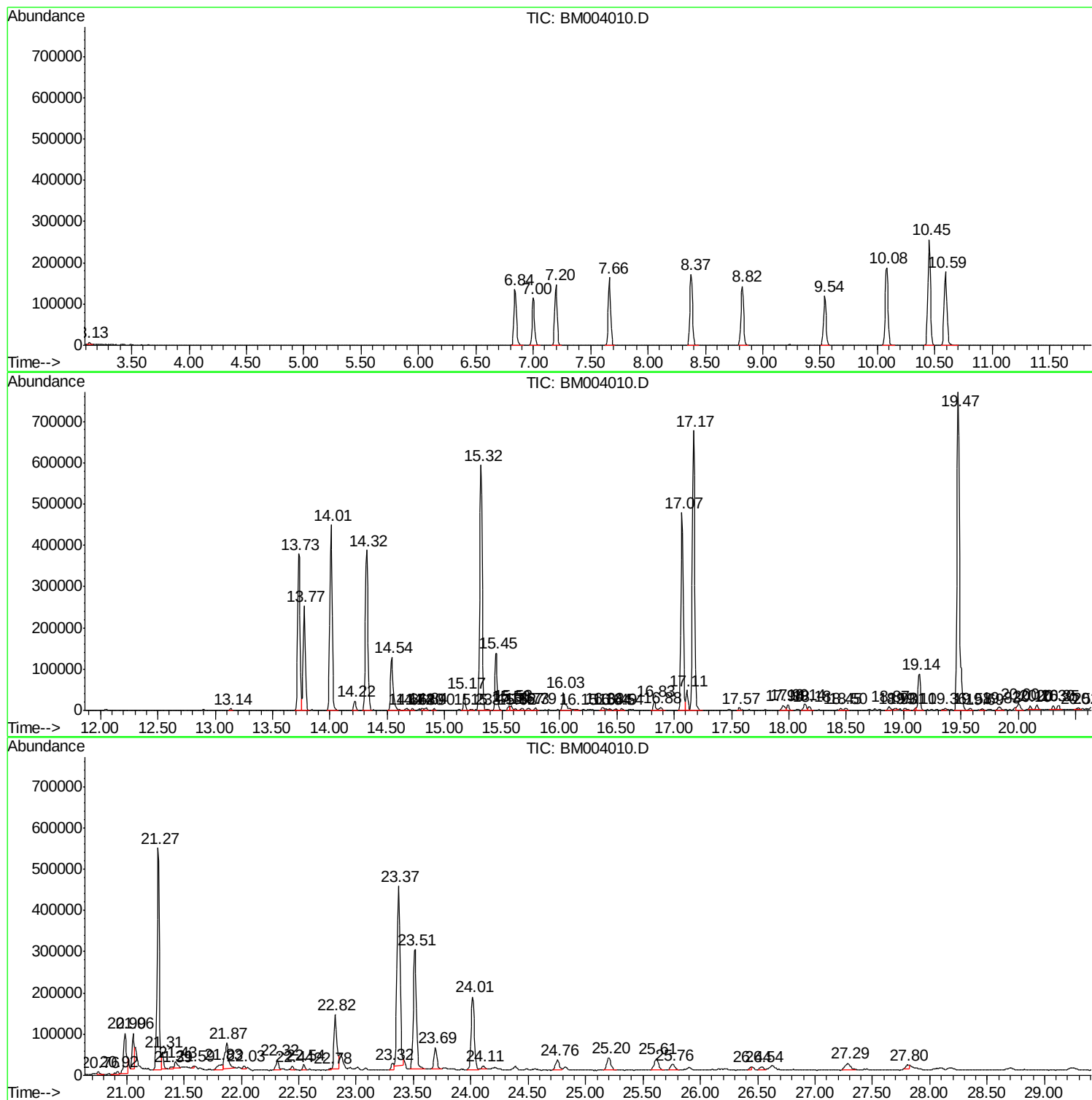
Sum of corrected areas: 13322994

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



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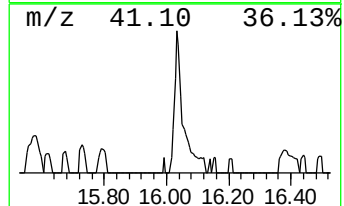
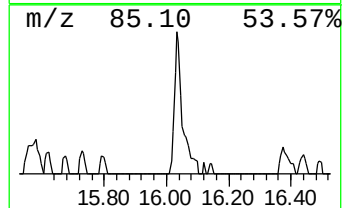
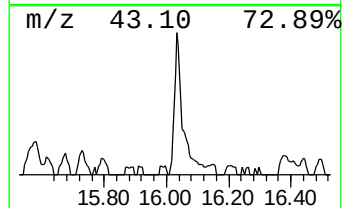
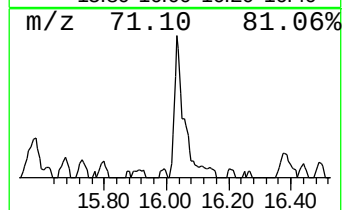
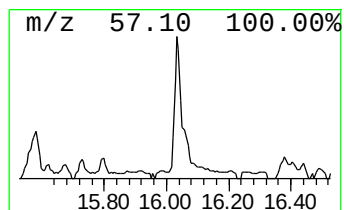
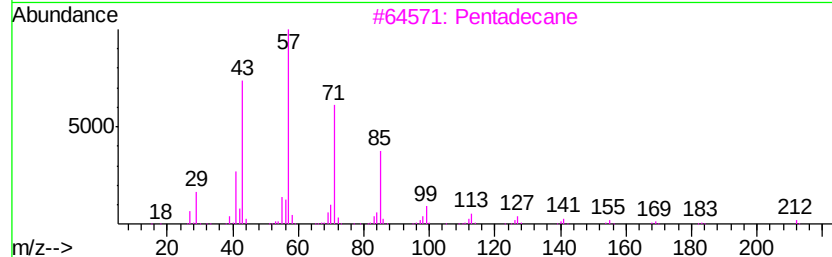
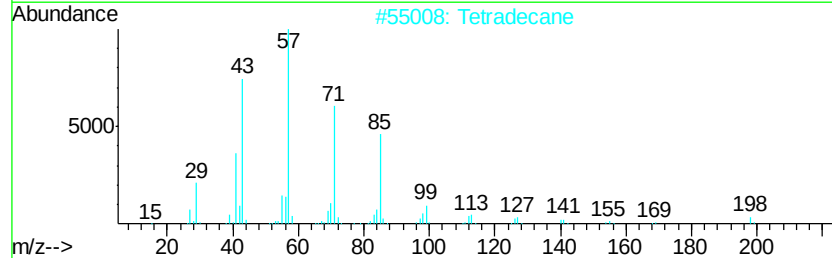
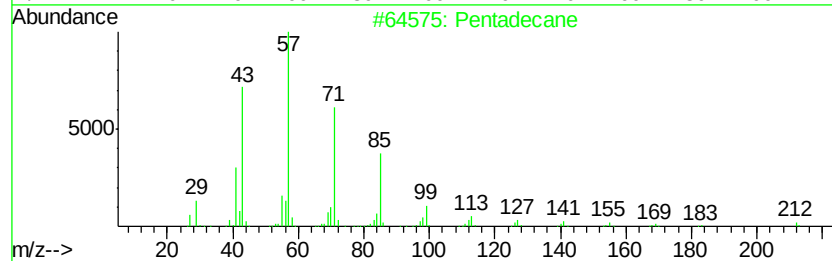
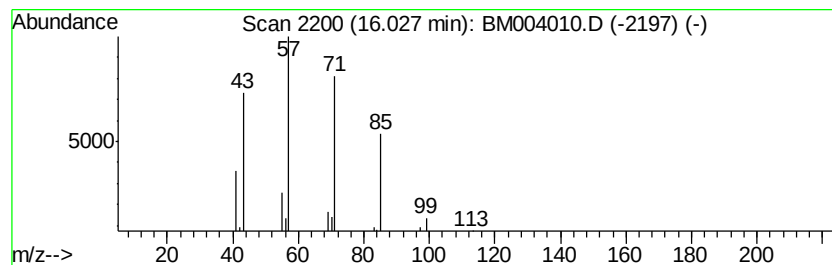
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.26 ng/ul	76917	Phenanthrene-d10	17.07

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		Pentadecane	212	C15H32	000629-62-9	86
4		Hexadecane	226	C16H34	000544-76-3	83
5		Eicosane	282	C20H42	000112-95-8	80



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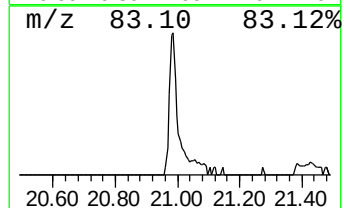
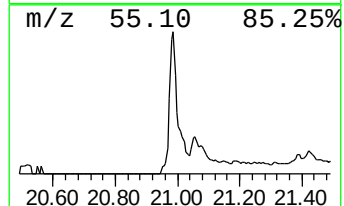
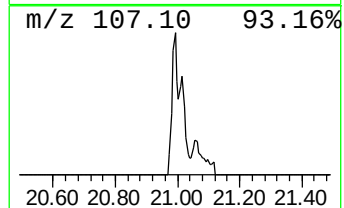
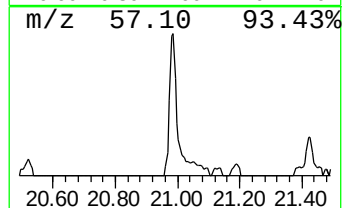
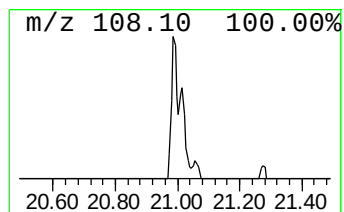
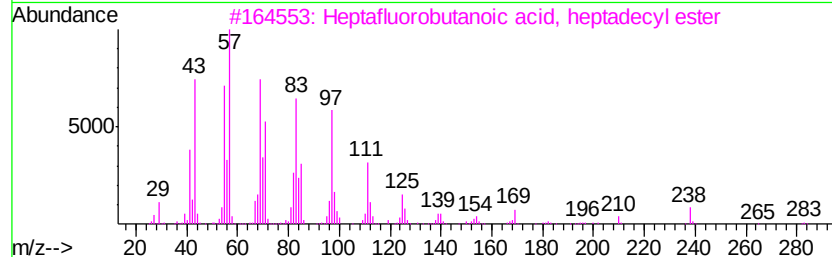
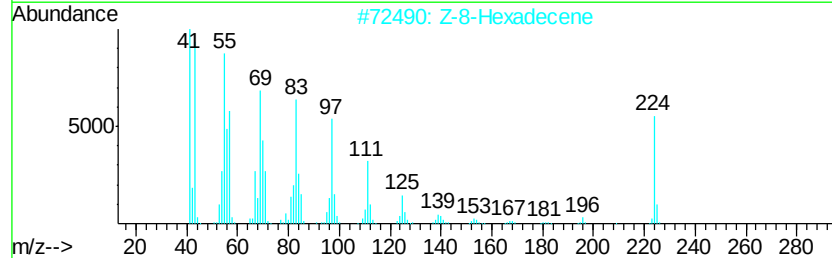
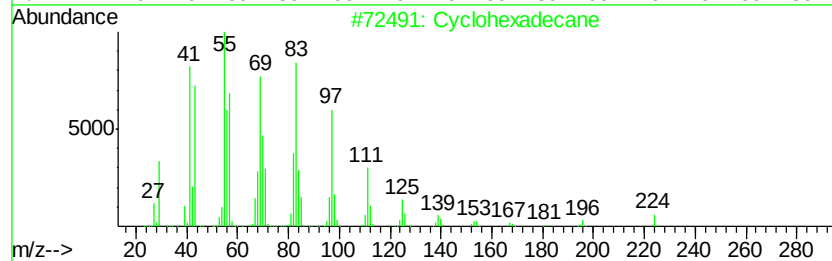
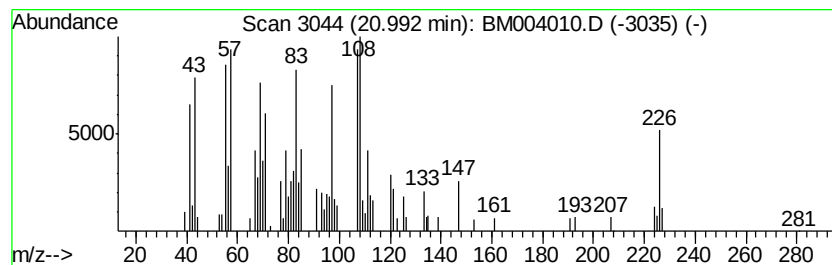
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Peak Number 2 (DEL) Alkane: Cyclic20.99 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.99	4.28 ng/ul	161300	Chrysene-d12	21.27	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Z-8-Hexadecene	224	C16H32	1000130-87-5	95
3	Heptafluorobutanoic acid, heptadecyl ester	452	C21H35F7O2	1000282-97-3	93
4	2- Chloropropionic acid, octadecyl ester	360	C21H41ClO2	088104-31-8	89
5	1-Hexacosanol	382	C26H54O	000506-52-5	70



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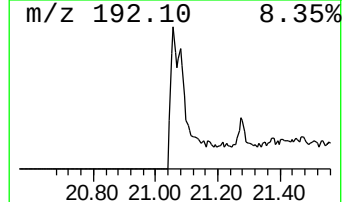
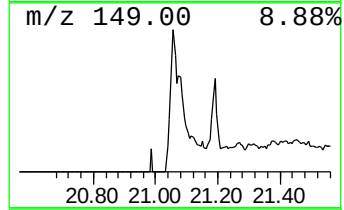
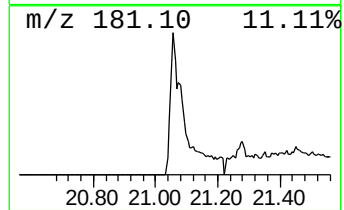
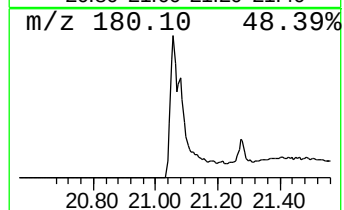
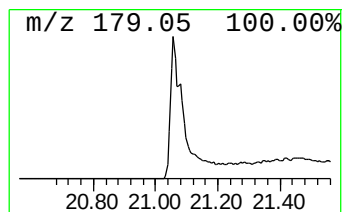
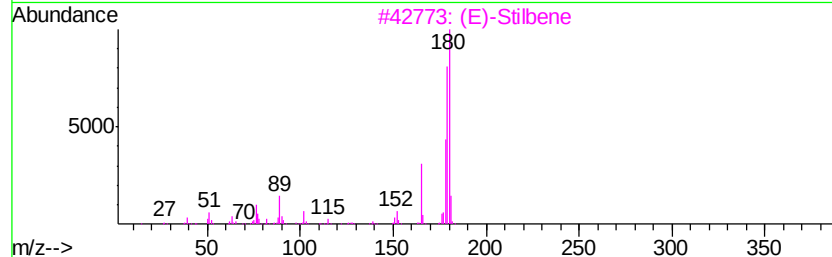
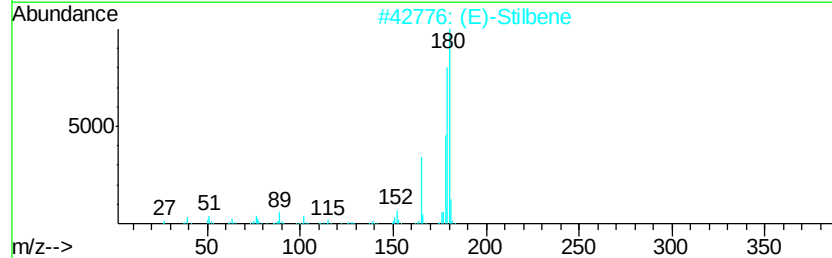
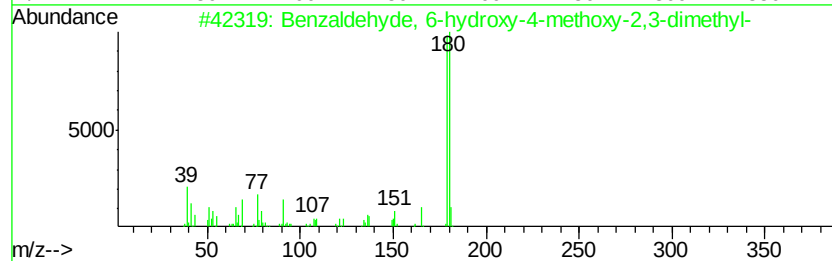
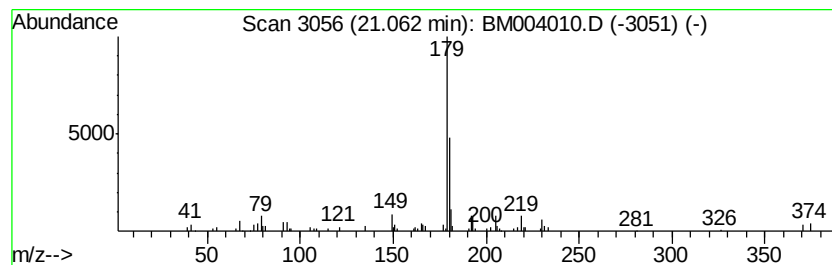
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Peak Number 3 Benzaldehyde, 6-hydroxy-4-m... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.89 ng/ul	108919	Chrysene-d12	21.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzaldehyde, 6-hydroxy-4-methox...	180 C10H12O3	034883-12-0 43
2		(E)-Stilbene	180 C14H12	000103-30-0 43
3		(E)-Stilbene	180 C14H12	000103-30-0 43
4		5-tert-Butyl-4-hydroxymethyl-2-m...	212 C11H16O4	1000275-36-7 38
5		Benzaldehyde, 2,4-dimethoxy-6-me...	180 C10H12O3	007149-90-8 38



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Operator : SJ/UM
Sample : H1098-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC967

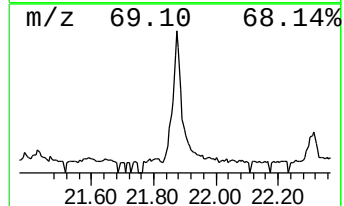
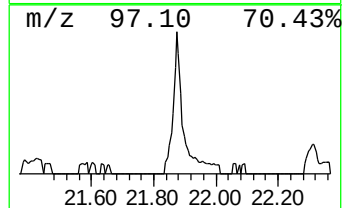
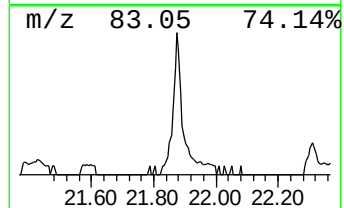
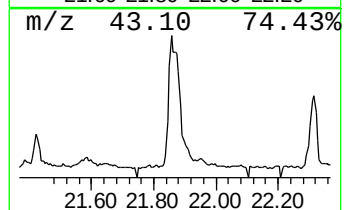
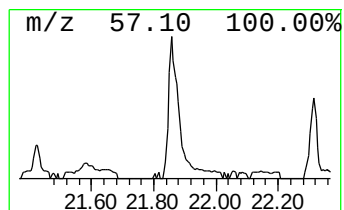
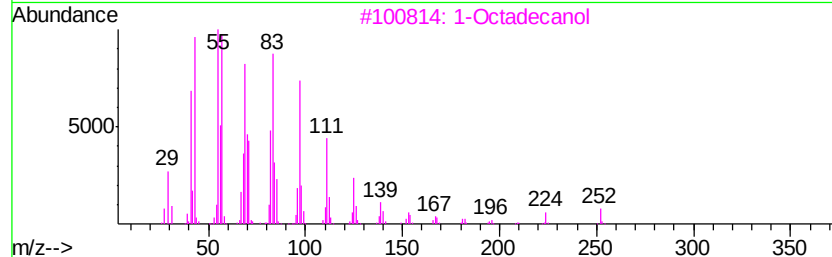
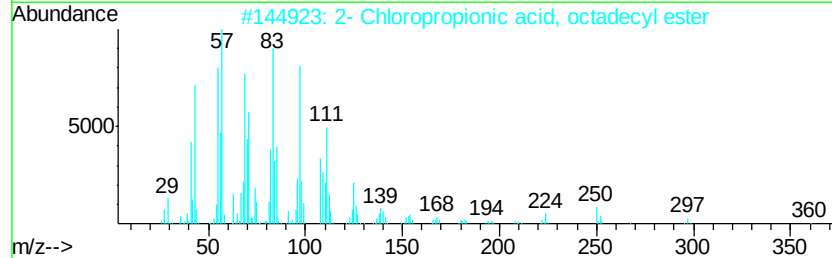
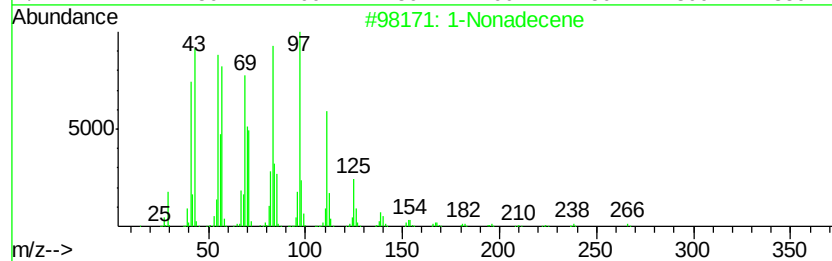
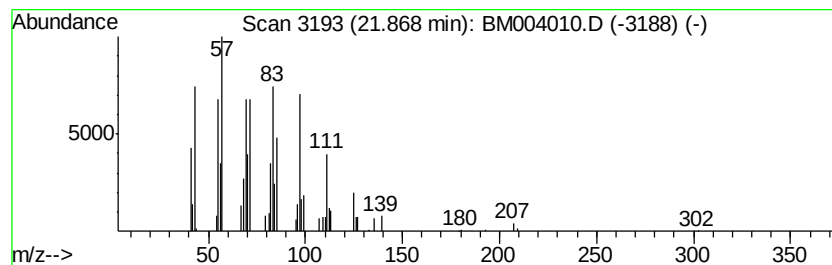
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic21.87 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	3.55 ng/ul	133772	Chrysene-d12	21.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nonadecene	266	C19H38	018435-45-5	94
2			2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93
3			1-Octadecanol	270	C18H38O	000112-92-5	91
4			1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
5			1-Octadecanol	270	C18H38O	000112-92-5	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004010.D
Acq On : 14 Jan 2016 07:01
Operator : SJ/UM
Sample : H1098-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BC967

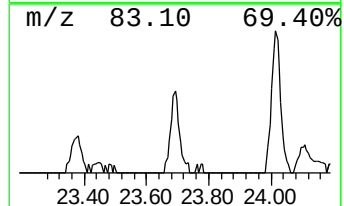
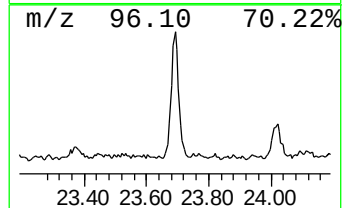
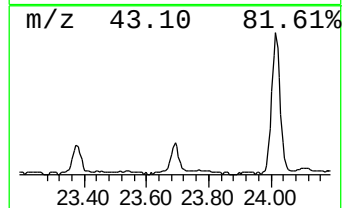
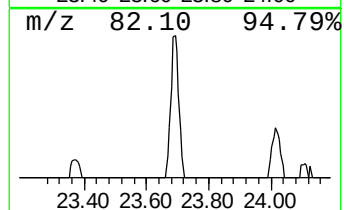
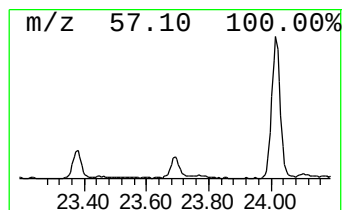
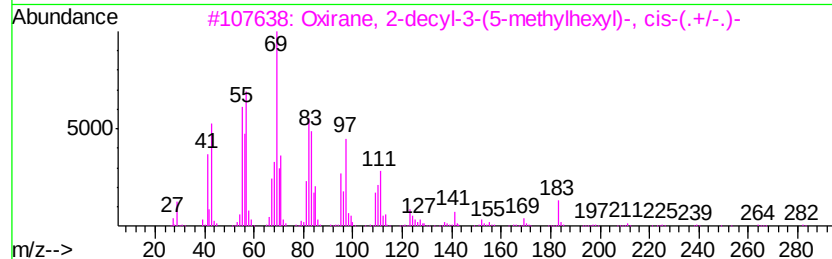
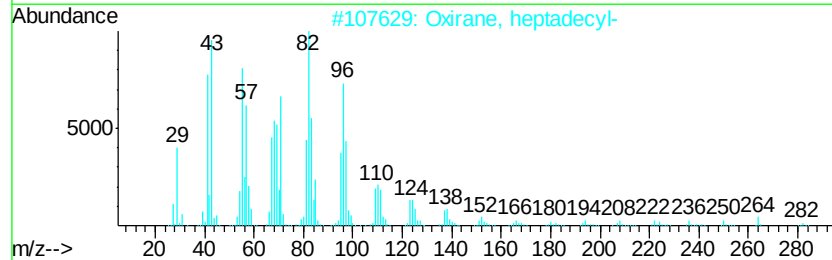
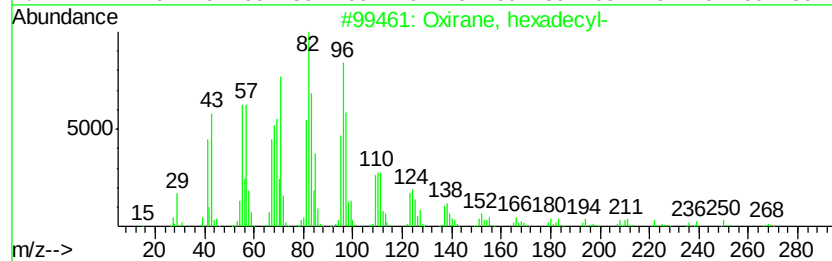
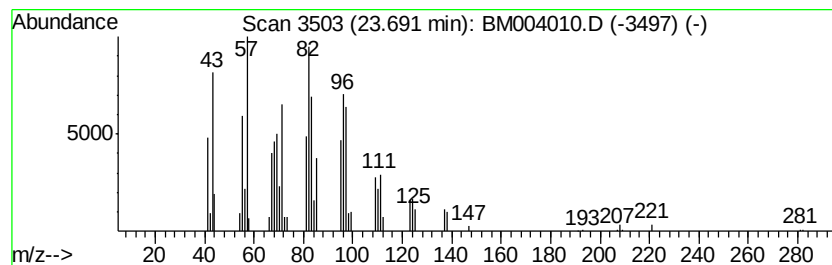
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Oxirane, hexadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	3.29 ng/ul	92675	Perylene-d12	23.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	95	
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91	
3	Oxirane, 2-decyl-3-(5-methylhexy...	282	C19H38O	057457-72-4	90	
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90	
5	Octadecanal	268	C18H36O	000638-66-4	83	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004010.D
Acq On : 14 Jan 2016 07:01
Operator : SJ/UM
Sample : H1098-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC967

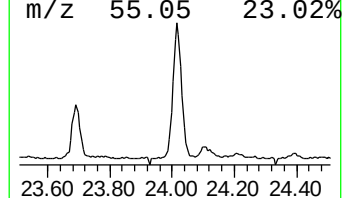
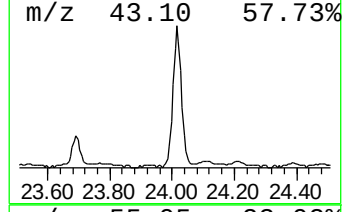
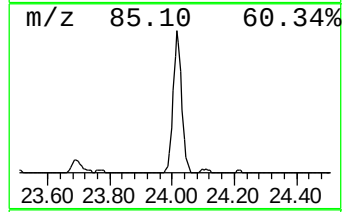
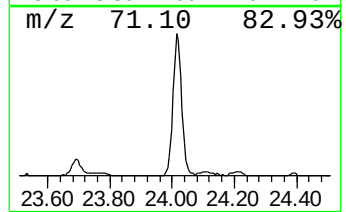
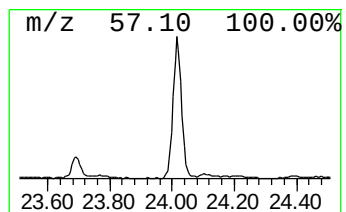
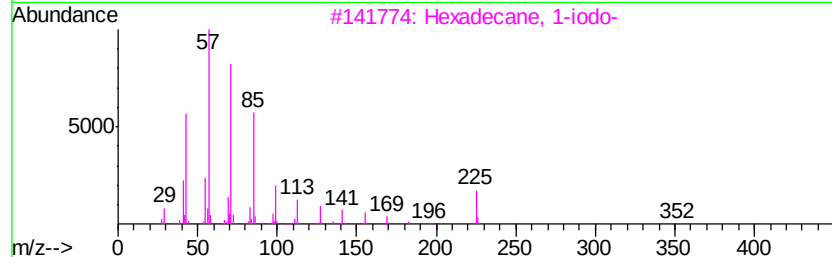
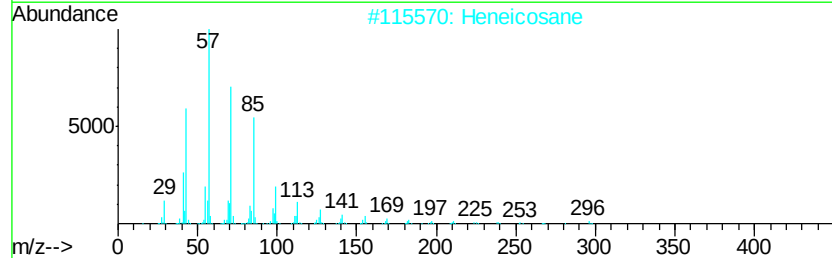
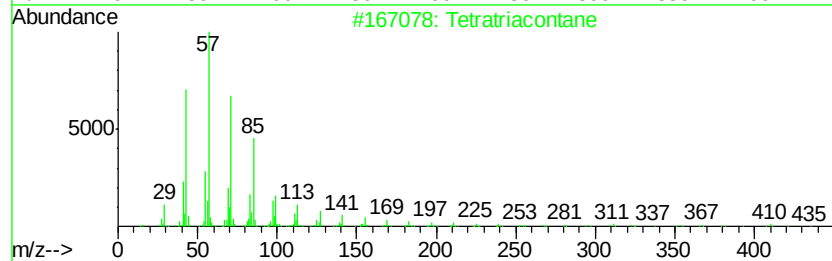
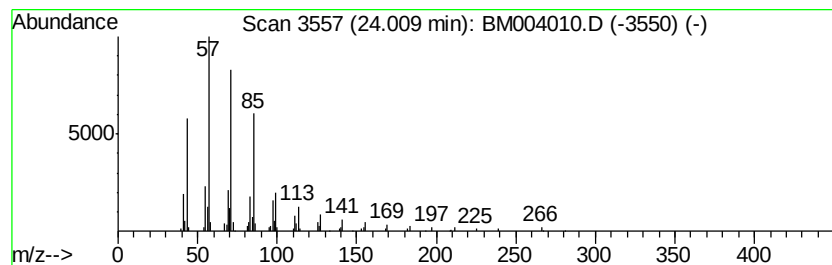
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	12.13 ng/ul	341835	Perylene-d12	23.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratriacontane	479	C34H70	014167-59-0	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	91
4		Triacontane	422	C30H62	000638-68-6	91
5		Nonacosane	408	C29H60	000630-03-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
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Operator : SJ/UM
Sample : H1098-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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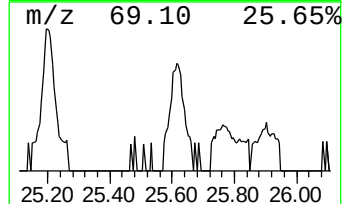
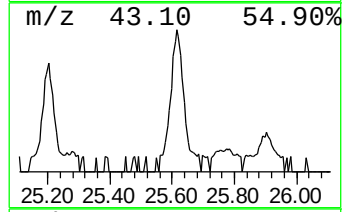
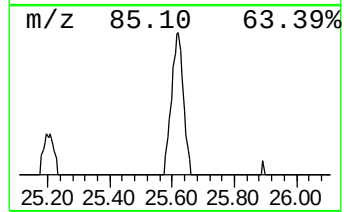
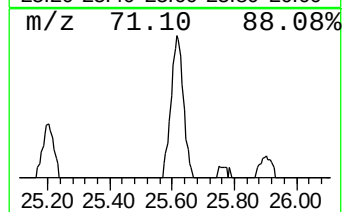
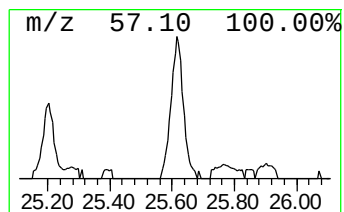
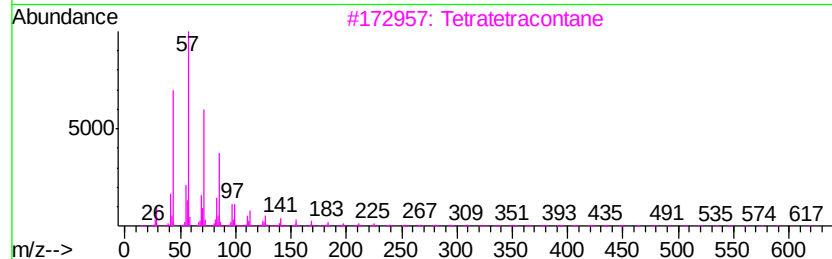
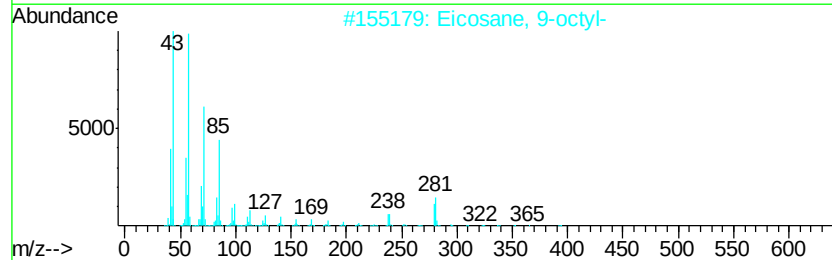
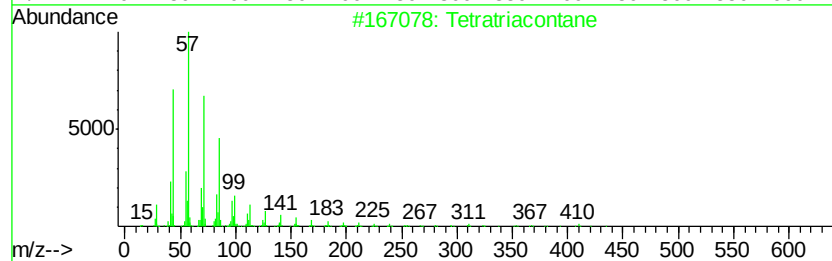
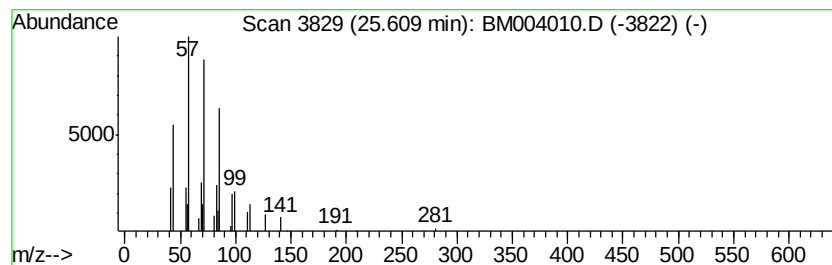
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.61	2.51 ng/ul	70797	Perylene-d12	23.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratriacontane	479	C34H70	014167-59-0	91
2		Eicosane, 9-octyl-	394	C28H58	013475-77-9	90
3		Tetratetracontane	619	C44H90	007098-22-8	90
4		Tetrapentacontane	759	C54H110	005856-66-6	90
5		Octacosane	394	C28H58	000630-02-4	86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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: Str...	16.03	2.3	ng/ul	76917	4	17.07	680650	20.0
(DEL) Alkane: Cyc...	20.99	4.3	ng/ul	161300	5	21.27	754175	20.0
Benzaldehyde, 6-h...	21.06	2.9	ng/ul	108919	5	21.27	754175	20.0
(DEL) Alkane: Cyc...	21.87	3.5	ng/ul	133772	5	21.27	754175	20.0
Oxirane, hexadecyl-	23.69	3.3	ng/ul	92675	6	23.51	563477	20.0
(DEL) Alkane: Str...	24.01	12.1	ng/ul	341835	6	23.51	563477	20.0
(DEL) Alkane: Str...	25.61	2.5	ng/ul	70797	6	23.51	563477	20.0