

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013466.D
 Acq On : 16 Dec 2017 07:37
 Operator : SJ/JU
 Sample : I6776-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A42

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 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\SOM-EPA-BM113017.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.851	633	640	650	rBV2	1157701	2160573	29.21%	2.362%
2	7.016	662	668	676	rBV	834745	1248849	16.88%	1.365%
3	7.210	694	701	708	rBV	1140762	1788834	24.18%	1.956%
4	7.675	773	780	788	rVB	1158573	1849296	25.00%	2.022%
5	8.381	893	900	910	rBV	1446339	2274835	30.75%	2.487%
6	8.516	917	923	930	rBV2	54917	102562	1.39%	0.112%
7	8.828	968	976	985	rBV	1156665	1868412	25.26%	2.043%
8	9.545	1090	1098	1108	rBV	969723	1645800	22.25%	1.799%
9	10.080	1181	1189	1200	rBV	1447292	2476639	33.48%	2.707%
10	10.451	1245	1252	1258	rBV	1650690	2784113	37.63%	3.044%
11	10.498	1258	1260	1268	rVB	84752	123593	1.67%	0.135%
12	10.598	1270	1277	1290	rBV	778935	1453057	19.64%	1.588%
13	12.116	1530	1535	1543	rBV	65460	116938	1.58%	0.128%
14	13.139	1703	1709	1716	rBV2	64689	97589	1.32%	0.107%
15	13.733	1804	1810	1814	rBV	2605995	3611812	48.82%	3.948%
16	13.780	1814	1818	1826	rVB	597841	974051	13.17%	1.065%
17	14.010	1846	1857	1869	rBV2	2874015	5170758	69.90%	5.653%
18	14.221	1888	1893	1898	rVB	135769	173841	2.35%	0.190%
19	14.315	1898	1909	1917	rBV2	2425096	3696981	49.97%	4.042%
20	14.533	1939	1946	1961	rBV	1004655	1748682	23.64%	1.912%
21	14.715	1974	1977	1980	rBV2	70968	88018	1.19%	0.096%
22	14.839	1995	1998	2006	rVB5	53036	84841	1.15%	0.093%
23	14.915	2006	2011	2016	rBV4	50643	101011	1.37%	0.110%
24	15.180	2051	2056	2062	rVB2	179500	250930	3.39%	0.274%
25	15.315	2072	2079	2085	rBV	3480408	5047458	68.23%	5.518%
26	15.445	2095	2101	2107	rBV	919646	1262247	17.06%	1.380%
27	15.580	2115	2124	2129	rBV4	121834	266228	3.60%	0.291%
28	15.674	2134	2140	2146	rBV8	39707	85992	1.16%	0.094%
29	15.804	2155	2162	2171	rVB7	44636	128080	1.73%	0.140%
30	16.045	2198	2203	2204	rBV3	238672	338832	4.58%	0.370%
31	16.645	2301	2305	2312	rVB2	64785	95503	1.29%	0.104%
32	16.727	2314	2319	2324	rVB2	88939	152219	2.06%	0.166%
33	16.833	2333	2337	2341	rVV4	80228	98997	1.34%	0.108%
34	16.886	2342	2346	2350	rVB2	102454	139706	1.89%	0.153%

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35	17.068	2370	2377	2381	rBV2	2869884	4191104	56.65%	4.582%
36	17.109	2381	2384	2388	rVV	496688	651323	8.80%	0.712%
37	17.168	2388	2394	2397	rVV	3727413	5494917	74.28%	6.007%
38	17.198	2397	2399	2404	rVV	947714	1109600	15.00%	1.213%
39	17.251	2404	2408	2414	rVB6	51951	86840	1.17%	0.095%
40	17.568	2460	2462	2468	rVB7	48983	77808	1.05%	0.085%
41	17.974	2526	2531	2542	rBV2	1406285	1923010	25.99%	2.102%
42	18.068	2543	2547	2551	rVB	150604	209140	2.83%	0.229%
43	18.139	2556	2559	2563	rVB4	76829	108069	1.46%	0.118%
44	18.492	2616	2619	2623	rVB2	103073	125299	1.69%	0.137%
45	18.862	2678	2682	2687	rBV3	86908	161098	2.18%	0.176%
46	18.956	2696	2698	2702	rVB3	72222	76734	1.04%	0.084%
47	19.003	2702	2706	2713	rBV2	122961	222305	3.01%	0.243%
48	19.127	2719	2727	2734	rBV	961543	1438248	19.44%	1.572%
49	19.186	2734	2737	2742	rVB5	115441	163007	2.20%	0.178%
50	19.256	2745	2749	2759	rBV2	1206429	1995146	26.97%	2.181%
51	19.462	2779	2784	2798	rBV2	4288878	7397786	100.00%	8.087%
52	19.821	2841	2845	2851	rBV5	123406	260460	3.52%	0.285%
53	19.909	2857	2860	2863	rVB	139023	149135	2.02%	0.163%
54	19.986	2864	2873	2877	rVB5	180727	466027	6.30%	0.509%
55	20.139	2895	2899	2905	rVB3	167043	300084	4.06%	0.328%
56	20.286	2922	2924	2927	rBV2	103791	93887	1.27%	0.103%
57	20.450	2948	2952	2956	rVB	180841	209880	2.84%	0.229%
58	20.739	2997	3001	3007	rBV	229760	338341	4.57%	0.370%
59	20.974	3038	3041	3049	rVB	1585329	1836071	24.82%	2.007%
60	21.033	3049	3051	3058	rVB2	126892	158427	2.14%	0.173%
61	21.256	3082	3089	3094	rBV	3476290	5432996	73.44%	5.939%
62	21.427	3115	3118	3122	rVB2	162325	212506	2.87%	0.232%
63	21.862	3189	3192	3201	rVB4	564877	905233	12.24%	0.990%
64	22.815	3348	3354	3359	rBV	1104714	2337625	31.60%	2.556%
65	22.985	3379	3383	3387	rVB	308783	483876	6.54%	0.529%
66	23.291	3430	3435	3438	rBV	600743	1026038	13.87%	1.122%
67	23.338	3438	3443	3449	rVV2	1875642	3362966	45.46%	3.676%
68	23.480	3461	3467	3473	rBV	1530856	2695031	36.43%	2.946%
69	24.009	3553	3557	3563	rVB4	253668	444061	6.00%	0.485%
70	24.091	3567	3571	3580	rVB5	258141	530016	7.16%	0.579%
71	25.709	3840	3846	3858	rVB2	437636	1292844	17.48%	1.413%

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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

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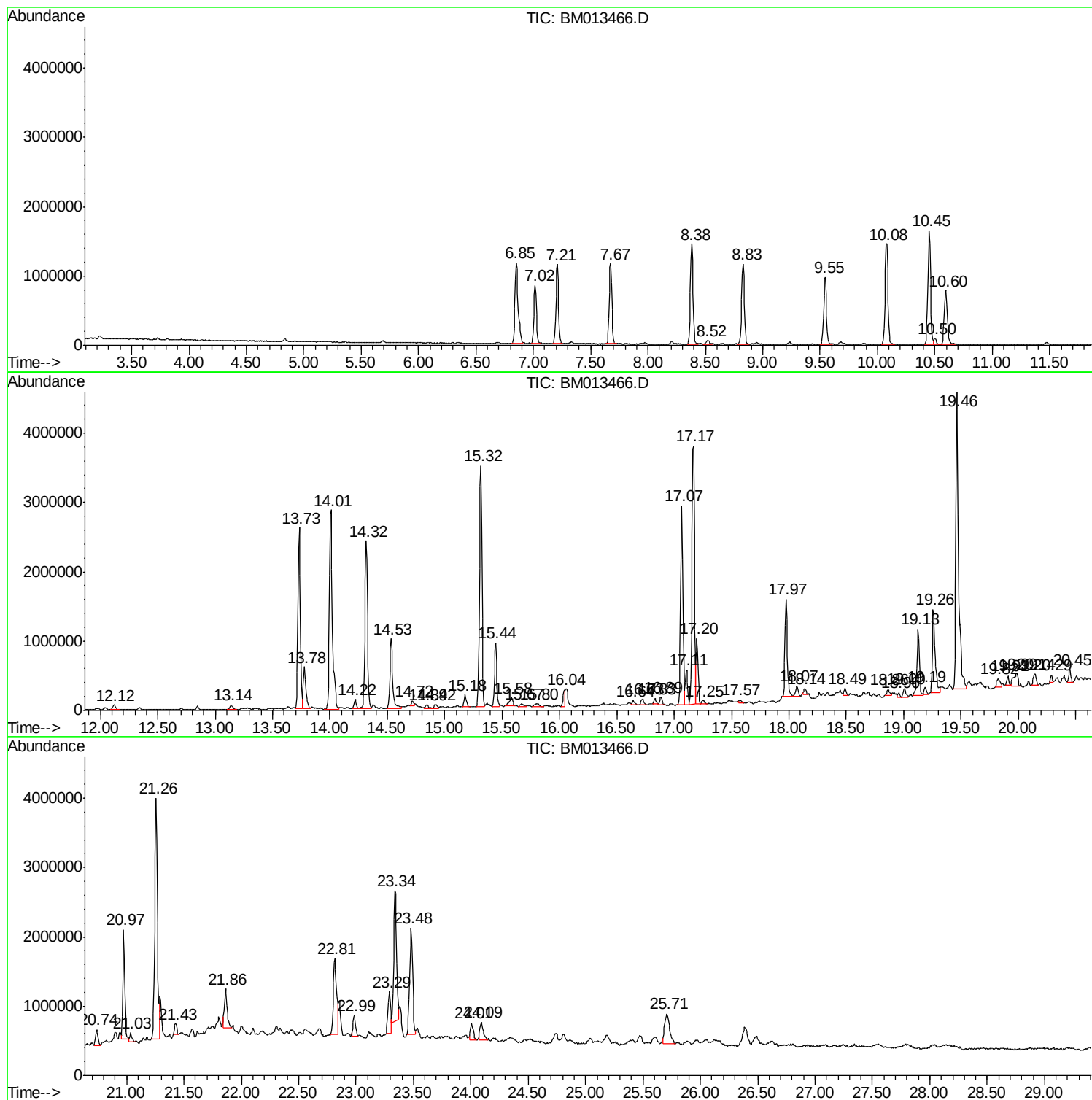
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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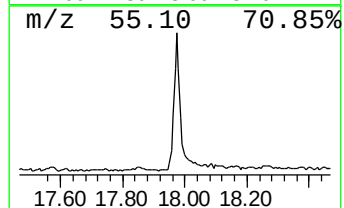
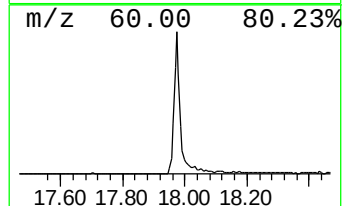
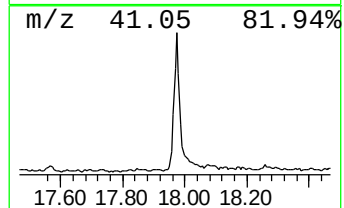
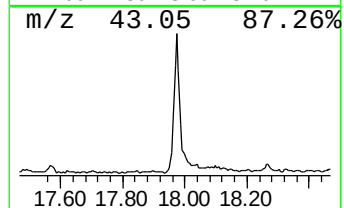
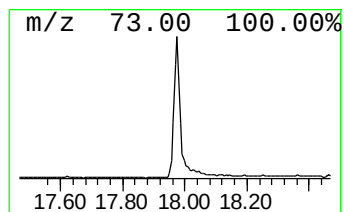
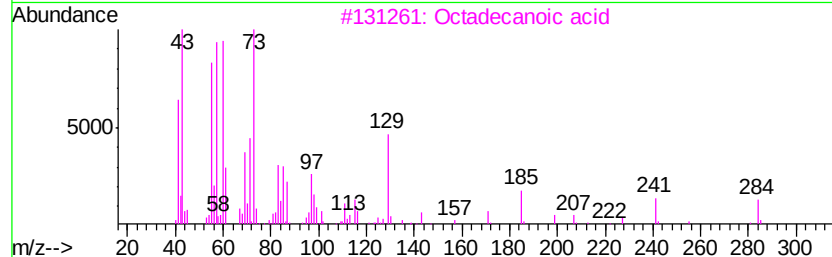
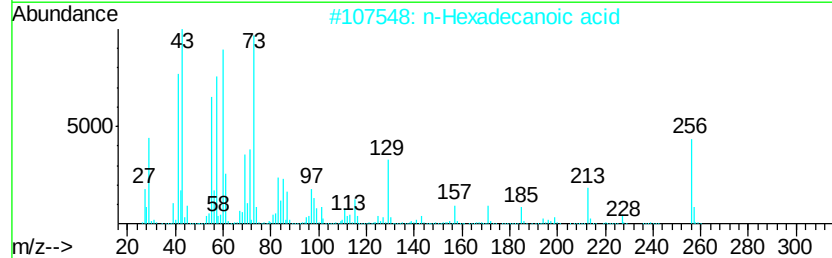
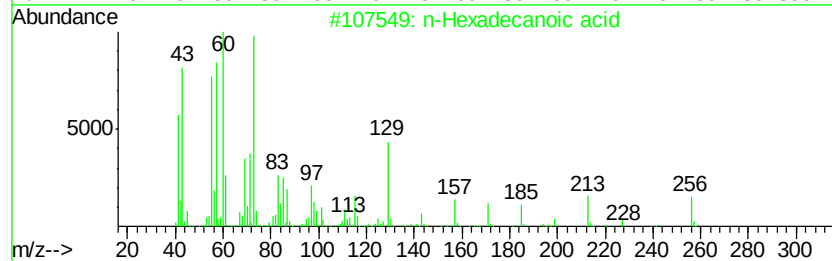
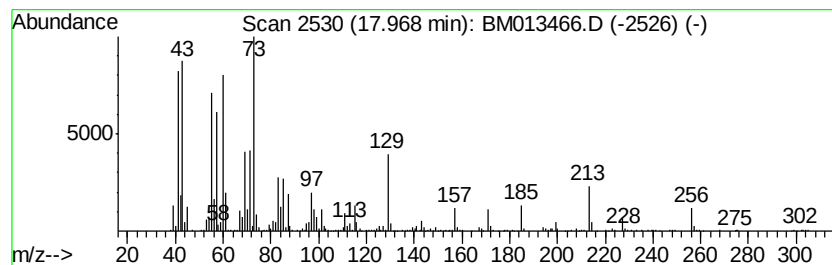
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.97	9.18 ng/ul	1923010	Phenanthrene-d10	17.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3		Octadecanoic acid	284	C18H36O2	000057-11-4	93
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5		Tridecanoic acid	214	C13H26O2	000638-53-9	91



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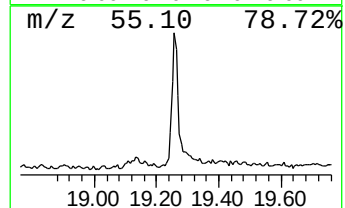
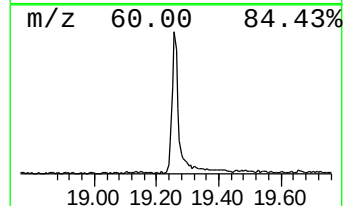
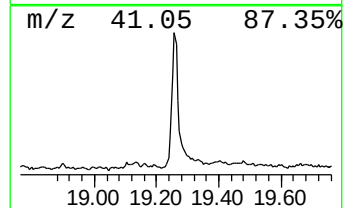
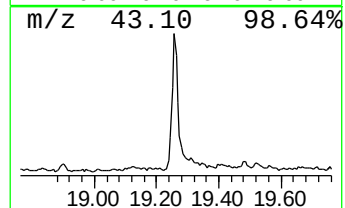
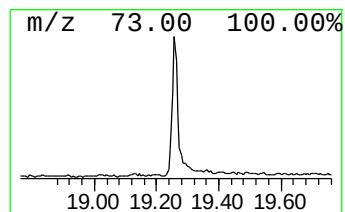
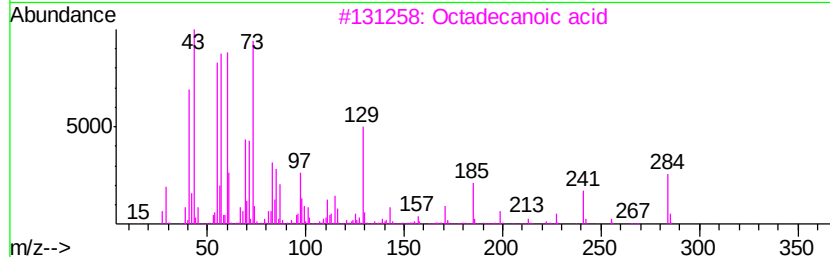
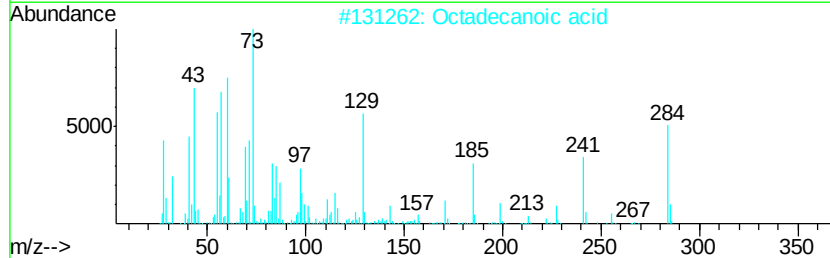
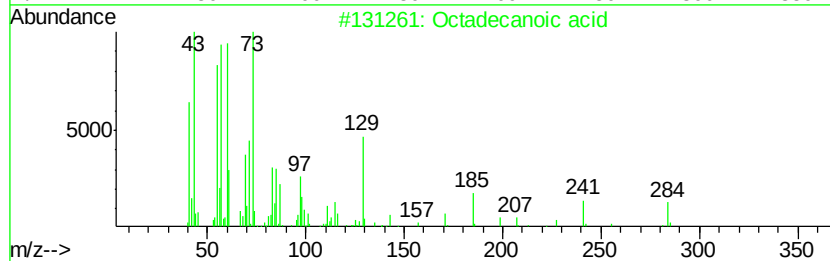
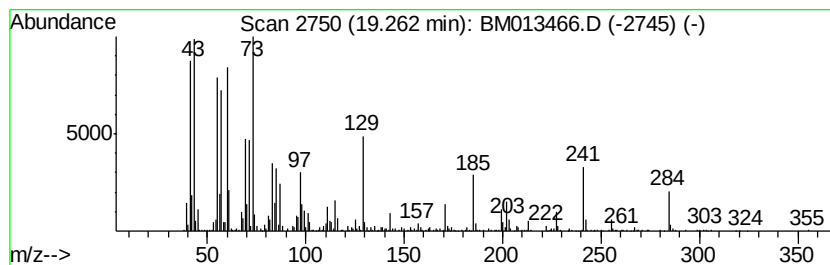
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.26	7.34 ng/ul	1995150	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid	284	C18H36O2	000057-11-4	99
3		Octadecanoic acid	284	C18H36O2	000057-11-4	99
4		Octadecanoic acid	284	C18H36O2	000057-11-4	96
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	90



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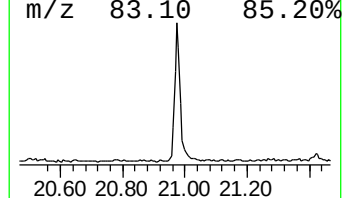
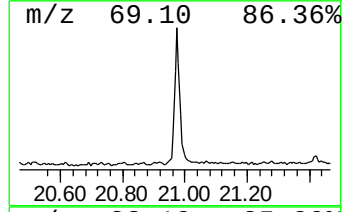
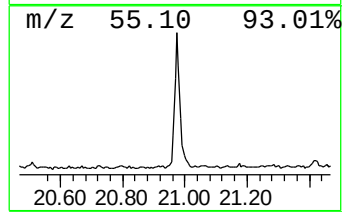
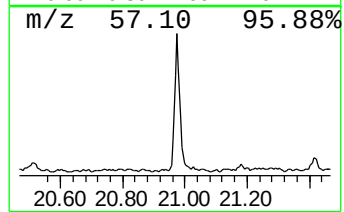
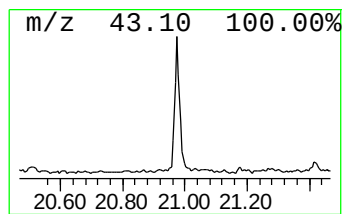
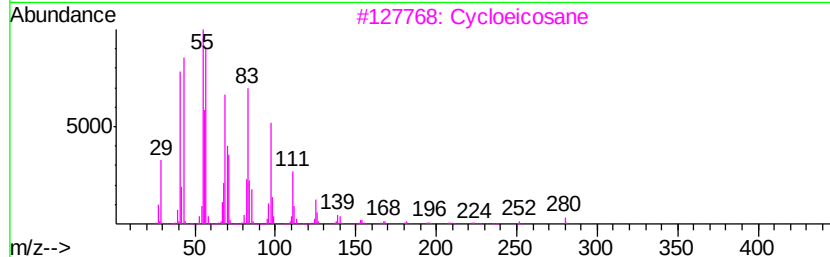
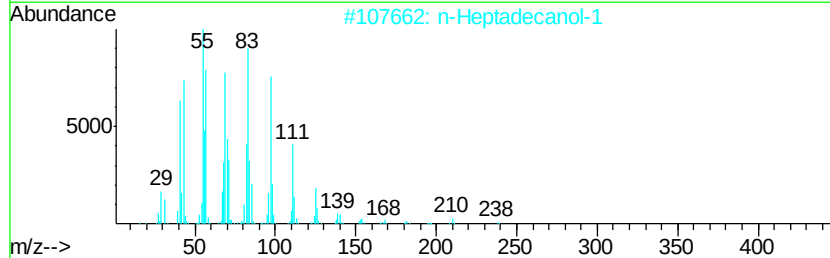
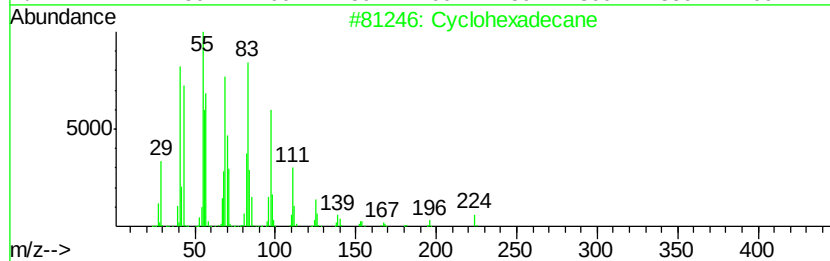
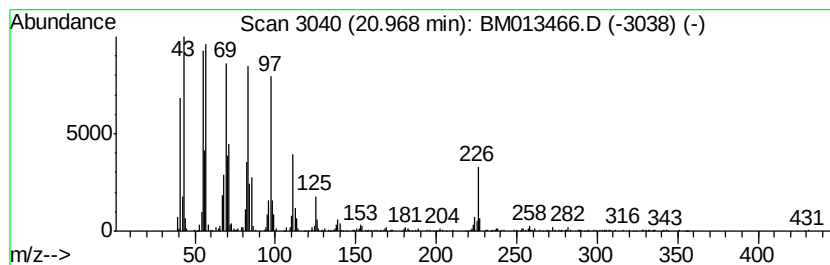
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic20.97 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.97	6.76 ng/ul	1836070	Chrysene-d12	21.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
3	Cycloeicosane	280	C20H40	000296-56-0	91
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91



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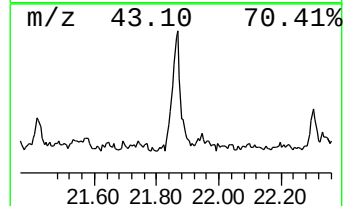
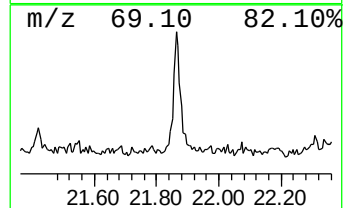
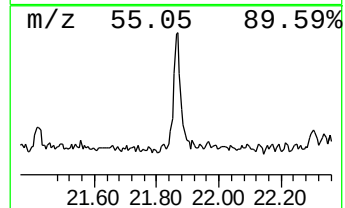
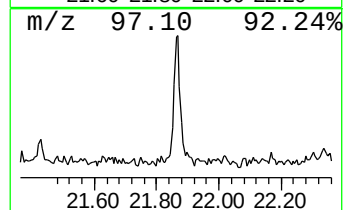
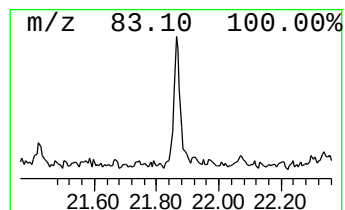
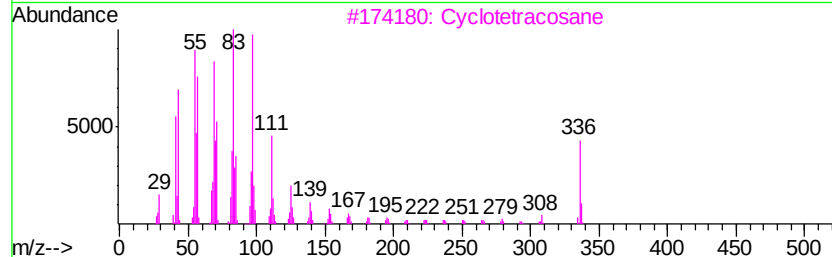
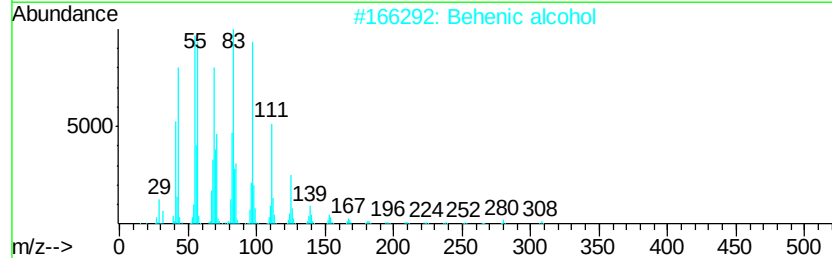
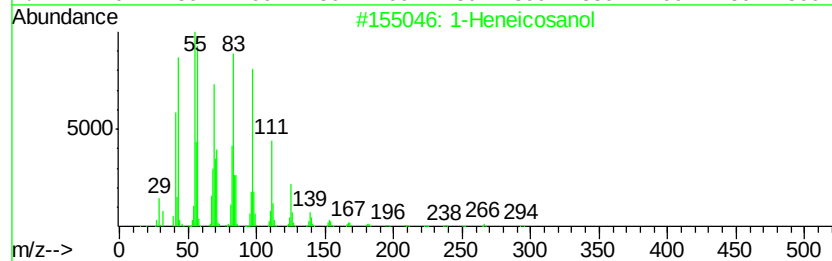
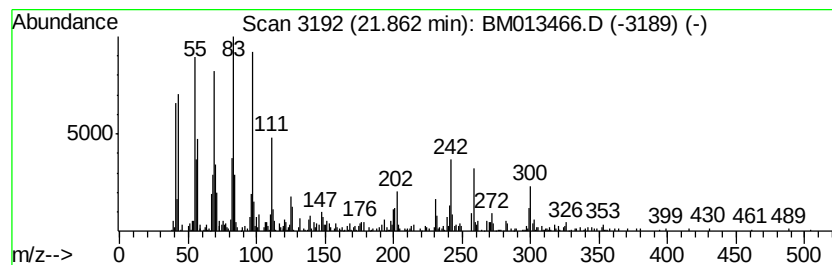
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	3.33 ng/ul	905233	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heneicosanol	312	C21H44O	015594-90-8	89
2		Behenic alcohol	326	C22H46O	000661-19-8	76
3		Cyclotetracosane	336	C24H48	000297-03-0	70
4		4,4-Dimethylpent-2-enal	112	C7H12O	1000195-01-6	58
5		Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013466.D
Acq On : 16 Dec 2017 07:37
Operator : SJ/JU
Sample : I6776-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A42

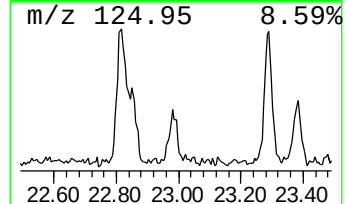
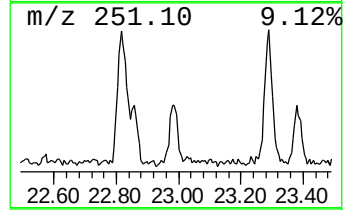
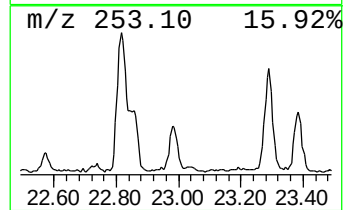
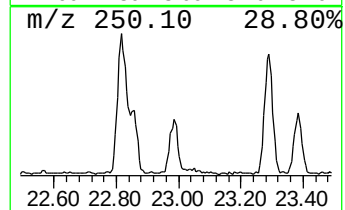
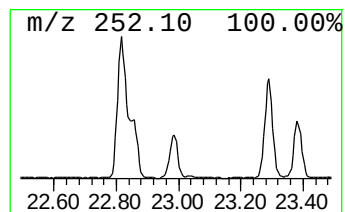
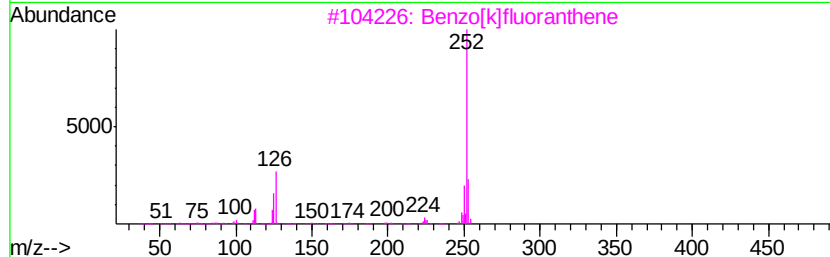
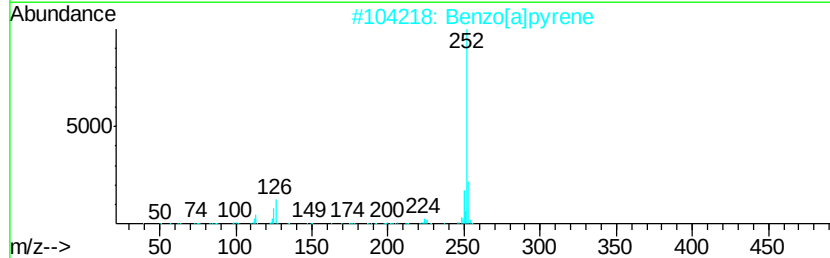
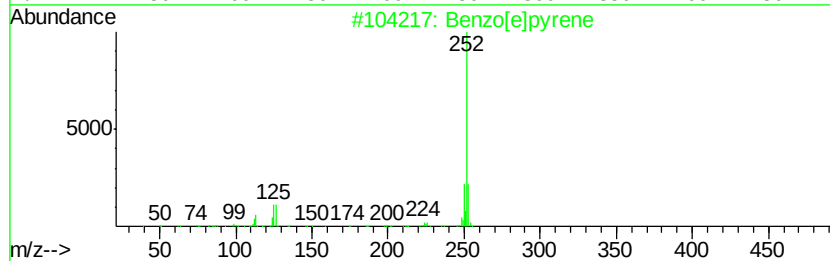
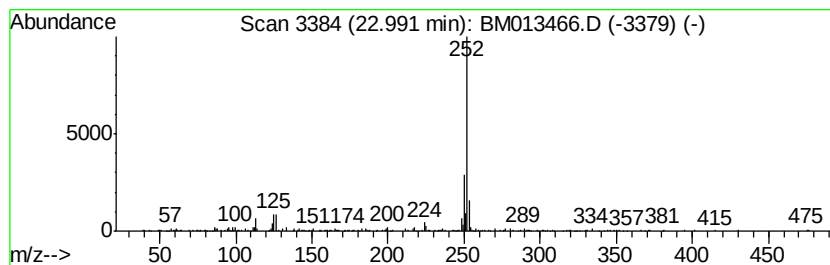
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	3.59 ng/ul	483876	Perylene-d12	23.48

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013466.D
Acq On : 16 Dec 2017 07:37
Operator : SJ/JU
Sample : I6776-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A42

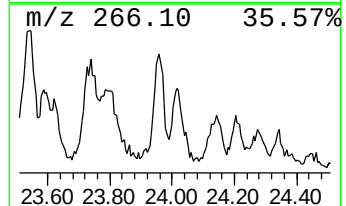
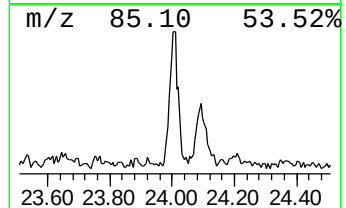
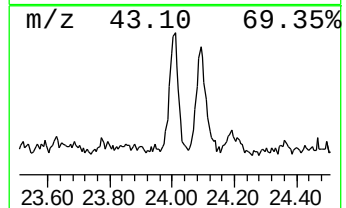
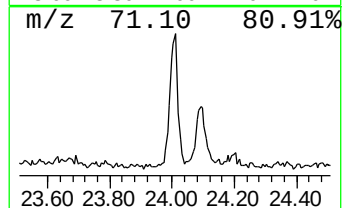
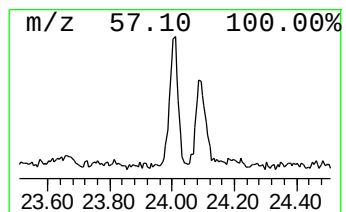
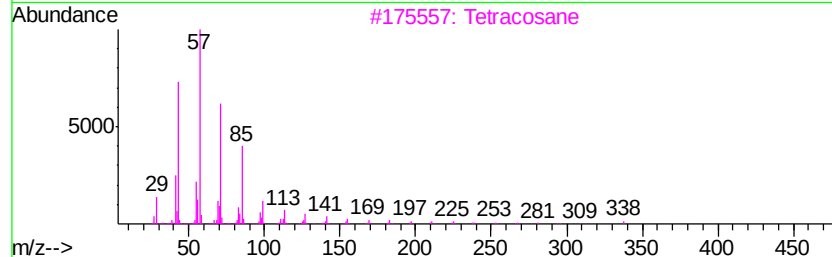
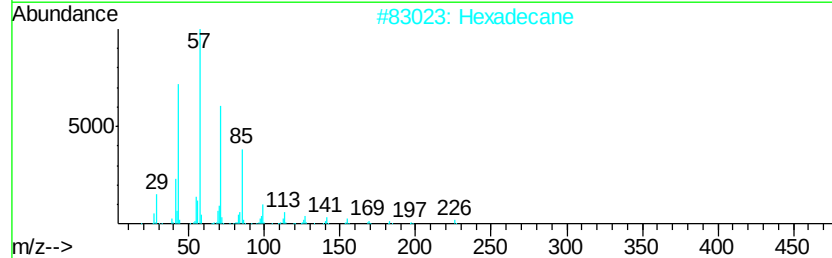
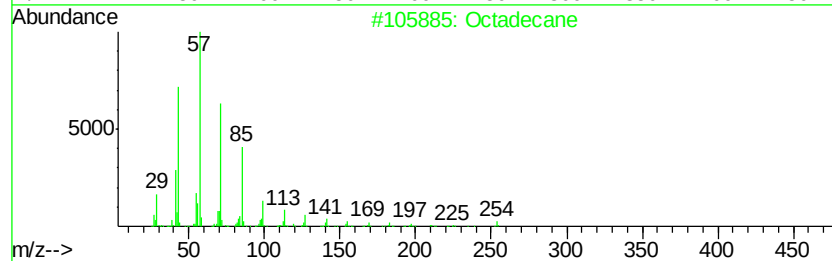
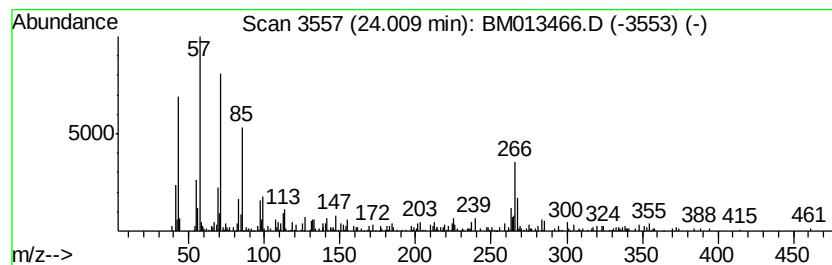
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	3.30 ng/ul	444061	Perylene-d12	23.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	93
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tetracosane	338	C24H50	000646-31-1	91
4		Tetracosane	338	C24H50	000646-31-1	80
5		Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013466.D
Acq On : 16 Dec 2017 07:37
Operator : SJ/JU
Sample : I6776-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

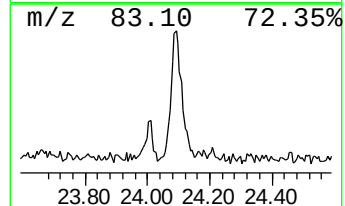
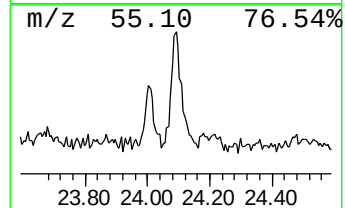
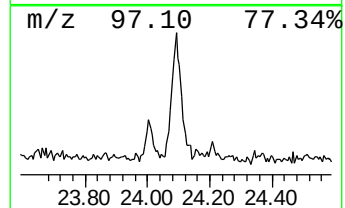
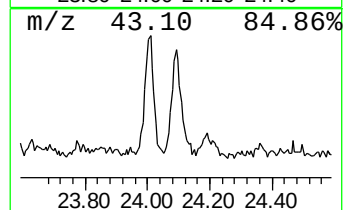
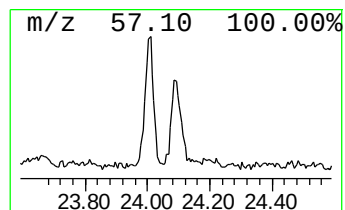
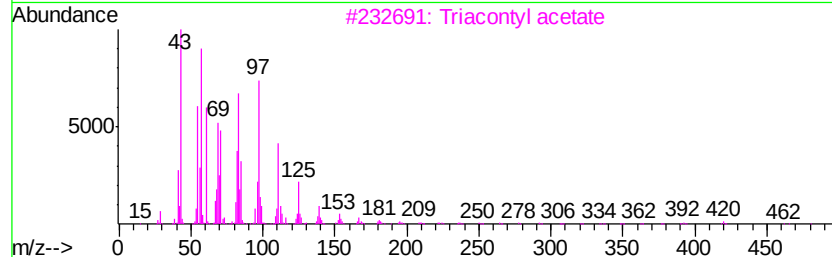
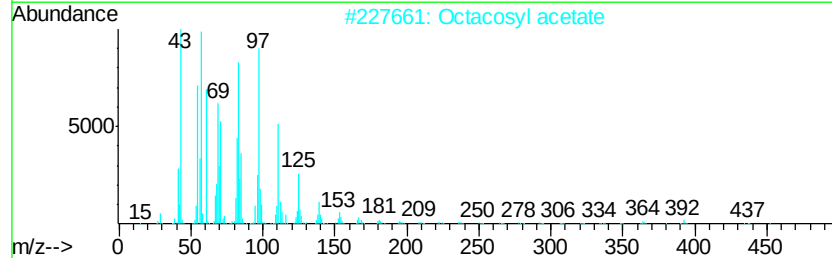
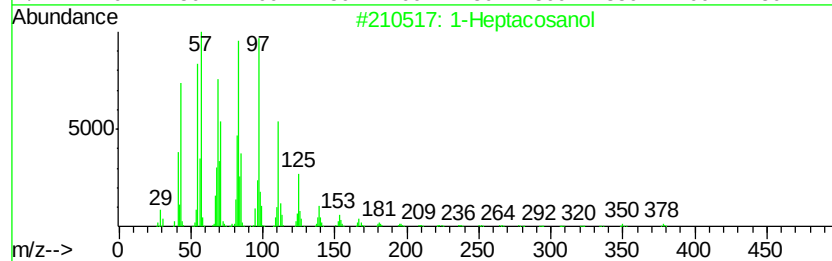
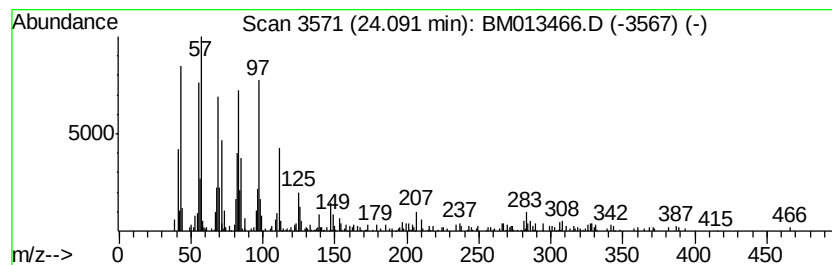
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 1-Heptacosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	3.93 ng/ul	530016	Perylene-d12	23.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Heptacosanol	396 C27H56O	002004-39-9	94
2	Octacosyl acetate	452 C30H60O2	018206-97-8	94
3	triacontyl acetate	480 C32H64O2	041755-58-2	94
4	Heptafluorobutyric acid, n-octad...	466 C22H37F7O2	000400-57-7	90
5	n-Tetracosanol-1	354 C24H50O	000506-51-4	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Acq On : 16 Dec 2017 07:37
Operator : SJ/JU
Sample : I6776-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A42

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic acid	17.97	9.2	ng/ul	1923010	4	17.07	4191100	20.0
Octadecanoic acid	19.26	7.3	ng/ul	1995150	5	21.26	5433000	20.0
(DEL) Alkane: Cyc...	20.97	6.8	ng/ul	1836070	5	21.26	5433000	20.0
1-Heneicosanol	21.86	3.3	ng/ul	905233	5	21.26	5433000	20.0
Benzo[e]pyrene	22.99	3.6	ng/ul	483876	6	23.48	2695030	20.0
(DEL) Alkane: Str...	24.01	3.3	ng/ul	444061	6	23.48	2695030	20.0
1-Heptacosanol	24.09	3.9	ng/ul	530016	6	23.48	2695030	20.0