

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002108.D
 Acq On : 29 Jul 2015 00:26
 Operator : TP/UM
 Sample : G3030-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02E8

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-BM072715.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	9	13	17	rVB4	3665	4747	0.42%	0.033%
2	3.069	60	65	71	rVB	11678	13087	1.15%	0.092%
3	3.340	109	111	116	rBV	2931	4407	0.39%	0.031%
4	3.587	151	153	156	rBV	3185	2995	0.26%	0.021%
5	3.616	156	158	160	rVB	2248	1471	0.13%	0.010%
6	6.769	688	694	704	rBV	235632	358633	31.59%	2.519%
7	6.893	711	715	717	rBV	3629	4904	0.43%	0.034%
8	6.934	717	722	729	rVB	153298	222542	19.60%	1.563%
9	7.128	748	755	763	rBB	228599	355077	31.28%	2.494%
10	7.593	828	834	842	rBB	219998	335470	29.55%	2.357%
11	8.304	949	955	968	rBB	294697	451567	39.78%	3.172%
12	8.757	1026	1032	1040	rBB	170831	273542	24.10%	1.922%
13	9.475	1148	1154	1161	rBB	147846	244723	21.56%	1.719%
14	10.010	1238	1245	1255	rBB	282533	470515	41.45%	3.305%
15	10.381	1301	1308	1315	rBV	279759	453155	39.92%	3.183%
16	10.528	1326	1333	1347	rBB	245313	402332	35.44%	2.826%
17	12.198	1613	1617	1623	rBB	1053	2107	0.19%	0.015%
18	12.851	1725	1728	1731	rBB	3237	3576	0.32%	0.025%
19	13.669	1861	1867	1872	rBV	482051	672342	59.23%	4.723%
20	13.716	1872	1875	1881	rVB	208639	269098	23.71%	1.890%
21	13.945	1908	1914	1925	rVB	439111	656060	57.79%	4.609%
22	14.157	1945	1950	1954	rBB	4148	4897	0.43%	0.034%
23	14.257	1961	1967	1974	rBB2	399864	590897	52.05%	4.151%
24	14.474	1998	2004	2013	rBV	183401	275406	24.26%	1.935%
25	14.810	2059	2061	2067	rVB2	1548	1950	0.17%	0.014%
26	14.933	2078	2082	2085	rBB	1095	1364	0.12%	0.010%
27	15.057	2100	2103	2106	rBV	2213	2889	0.25%	0.020%
28	15.110	2108	2112	2118	rVB	13379	15806	1.39%	0.111%
29	15.257	2130	2137	2143	rBV	589312	819487	72.19%	5.757%
30	15.386	2154	2159	2166	rVB	116216	143970	12.68%	1.011%
31	15.510	2174	2180	2181	rBV3	3783	6500	0.57%	0.046%
32	15.974	2254	2259	2267	rBV	18803	29940	2.64%	0.210%
33	16.316	2314	2317	2323	rVB2	1714	2421	0.21%	0.017%
34	16.480	2342	2345	2349	rVB	1157	1458	0.13%	0.010%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002108.D
 Acq On : 29 Jul 2015 00:26
 Operator : TP/UM
 Sample : G3030-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02E8

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-BM072715.M
 Title : SVOA CALIBRATION

35	16.768	2390	2394	2398	rBV	15189	19222	1.69%	0.135%
36	16.816	2398	2402	2407	rVB4	4267	7112	0.63%	0.050%
37	17.004	2428	2434	2439	rBV	507262	706848	62.27%	4.966%
38	17.051	2439	2442	2445	rVV	18806	23149	2.04%	0.163%
39	17.104	2445	2451	2462	rVB2	718247	1004692	88.51%	7.058%
40	17.292	2477	2483	2491	rVV2	2425	3930	0.35%	0.028%
41	17.415	2499	2504	2510	rVB3	2194	3022	0.27%	0.021%
42	17.498	2515	2518	2523	rBV	6802	8791	0.77%	0.062%
43	17.610	2532	2537	2542	rBV2	1858	3017	0.27%	0.021%
44	17.904	2578	2587	2594	rBV3	54666	81187	7.15%	0.570%
45	17.974	2596	2599	2602	rVV	5936	6349	0.56%	0.045%
46	18.004	2602	2604	2608	rVB2	1933	2023	0.18%	0.014%
47	18.074	2612	2616	2620	rBV2	16999	21253	1.87%	0.149%
48	18.115	2620	2623	2625	rBV2	4001	5060	0.45%	0.036%
49	18.192	2631	2636	2641	rVB4	5467	9356	0.82%	0.066%
50	18.298	2649	2654	2658	rBV2	23589	32457	2.86%	0.228%
51	18.368	2663	2666	2668	rBV2	4083	4765	0.42%	0.033%
52	18.386	2668	2669	2672	rVB	2354	1789	0.16%	0.013%
53	18.433	2674	2677	2679	rBV	1202	1481	0.13%	0.010%
54	18.474	2679	2684	2688	rVV	75632	99698	8.78%	0.700%
55	18.504	2688	2689	2694	rVB3	9944	8692	0.77%	0.061%
56	18.627	2705	2710	2713	rBV3	13754	15765	1.39%	0.111%
57	18.686	2716	2720	2724	rVB2	1533	2333	0.21%	0.016%
58	18.804	2734	2740	2741	rBV2	2456	3080	0.27%	0.022%
59	18.857	2747	2749	2752	rVB3	1855	1961	0.17%	0.014%
60	18.904	2752	2757	2759	rBV	7824	10692	0.94%	0.075%
61	18.933	2759	2762	2767	rVB4	18329	22867	2.01%	0.161%
62	18.998	2770	2773	2774	rVB4	2131	1399	0.12%	0.010%
63	19.015	2774	2776	2779	rBV3	3091	3470	0.31%	0.024%
64	19.068	2779	2785	2791	rBV2	58615	99663	8.78%	0.700%
65	19.127	2791	2795	2799	rVB	61282	77251	6.81%	0.543%
66	19.215	2802	2810	2817	rBV4	42884	71209	6.27%	0.500%
67	19.280	2817	2821	2828	rVB3	10554	15997	1.41%	0.112%
68	19.409	2837	2843	2853	rBV2	757023	1109289	97.72%	7.793%
69	19.480	2853	2855	2859	rVB3	6214	6060	0.53%	0.043%
70	19.527	2859	2863	2865	rBV4	9453	14480	1.28%	0.102%
71	19.557	2865	2868	2871	rVB3	13222	13206	1.16%	0.093%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02E8

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-BM072715.M
Title : SVOA CALIBRATION

72	19.592	2871	2874	2875	rBV2	4751	4772	0.42%	0.034%
73	19.662	2882	2886	2890	rBV2	32786	37045	3.26%	0.260%
74	19.751	2899	2901	2904	rBV4	2438	3559	0.31%	0.025%
75	19.780	2904	2906	2911	rVB3	4454	4536	0.40%	0.032%
76	19.856	2915	2919	2923	rVB	20357	25714	2.27%	0.181%
77	19.898	2923	2926	2927	rBV3	4091	4523	0.40%	0.032%
78	19.927	2928	2931	2936	rVV4	18695	25142	2.21%	0.177%
79	19.980	2936	2940	2943	rVB2	25881	28320	2.49%	0.199%
80	20.033	2946	2949	2953	rVB3	6487	9161	0.81%	0.064%
81	20.062	2953	2954	2955	rBV	3753	2210	0.19%	0.016%
82	20.086	2957	2958	2962	rVB3	5106	5307	0.47%	0.037%
83	20.209	2975	2979	2981	rBV2	14295	16995	1.50%	0.119%
84	20.239	2981	2984	2985	rVV2	6161	5432	0.48%	0.038%
85	20.262	2985	2988	2990	rVV4	7210	8406	0.74%	0.059%
86	20.286	2990	2992	2995	rVB3	8947	8854	0.78%	0.062%
87	20.386	3007	3009	3012	rBV4	3365	4078	0.36%	0.029%
88	20.456	3016	3021	3024	rBV6	4840	8163	0.72%	0.057%
89	20.527	3030	3033	3036	rVB4	14463	16841	1.48%	0.118%
90	20.633	3047	3051	3055	rBV3	18745	25028	2.20%	0.176%
91	20.815	3077	3082	3083	rBV3	5942	8331	0.73%	0.059%
92	20.927	3097	3101	3110	rBV4	50986	110134	9.70%	0.774%
93	21.115	3130	3133	3137	rBV	17215	19408	1.71%	0.136%
94	21.203	3141	3148	3152	rVV	761305	1018966	89.76%	7.158%
95	21.239	3152	3154	3161	rVB	35702	44079	3.88%	0.310%
96	21.356	3171	3174	3176	rBV4	7789	9432	0.83%	0.066%
97	21.515	3199	3201	3204	rBV3	8485	9571	0.84%	0.067%
98	23.215	3485	3490	3491	rBV2	20100	30352	2.67%	0.213%
99	23.262	3492	3498	3505	rVV	621070	1135181	100.00%	7.975%
100	23.403	3515	3522	3535	rVB	536607	983247	86.62%	6.907%

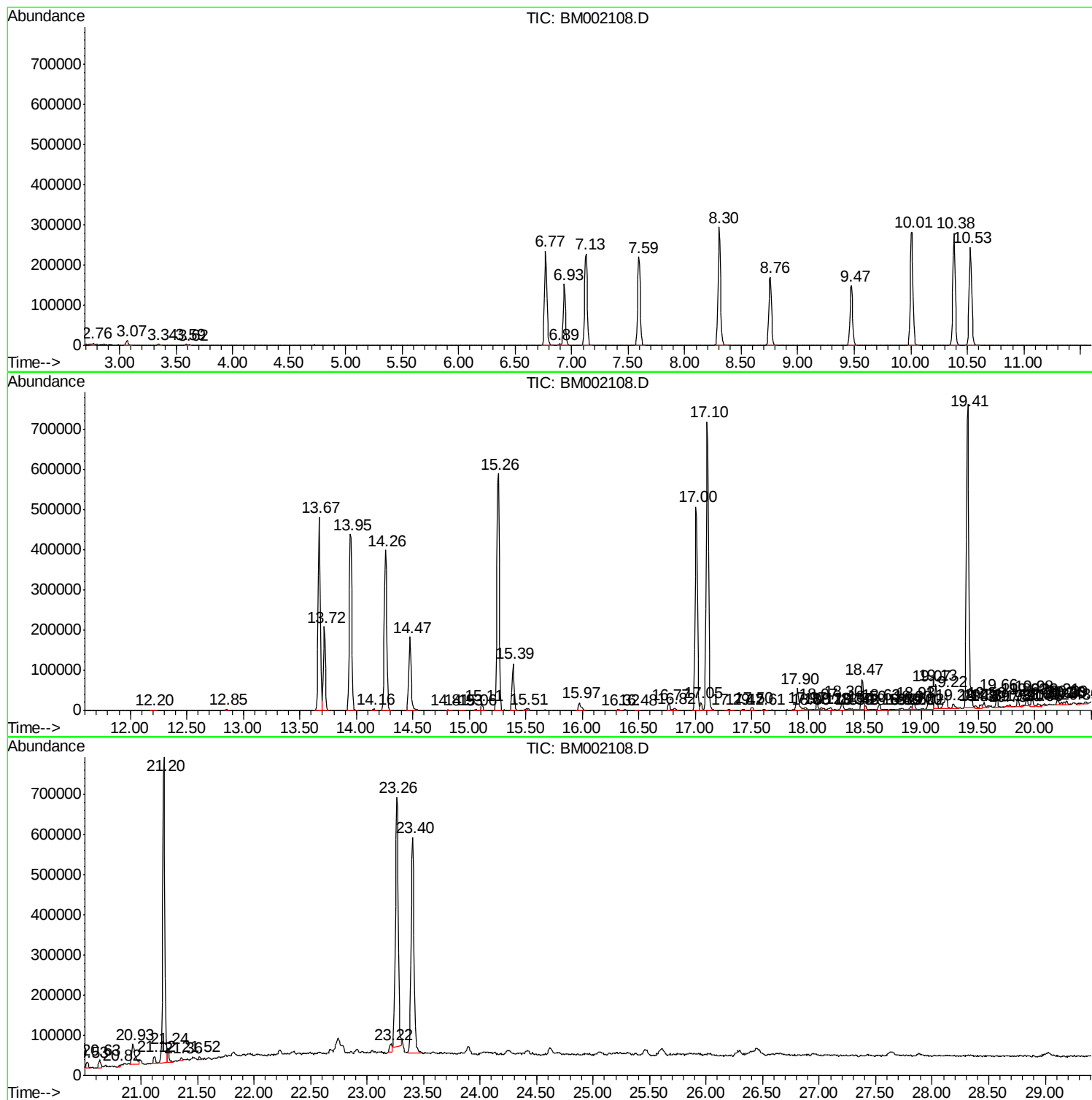
Sum of corrected areas: 14234737

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C02E8

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

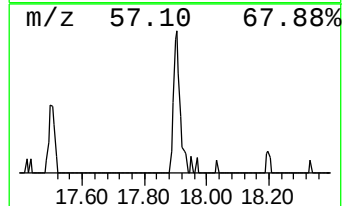
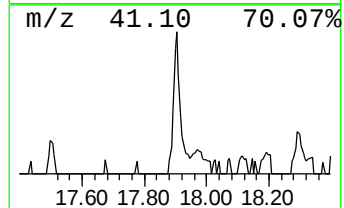
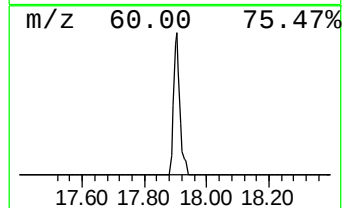
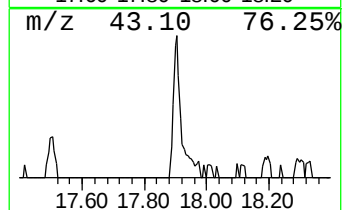
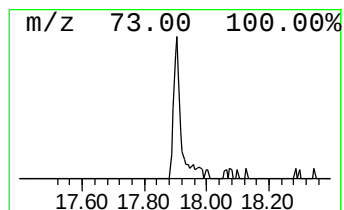
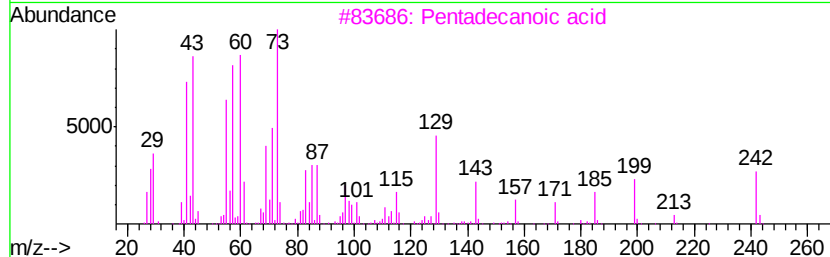
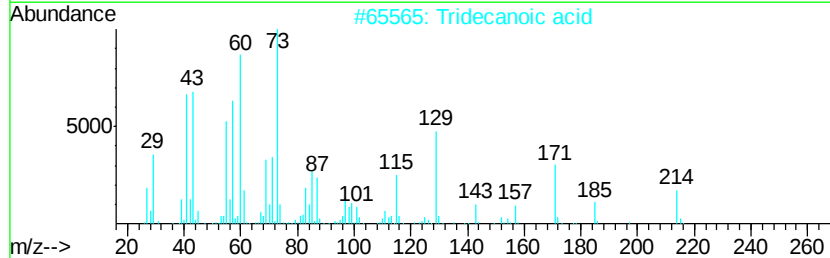
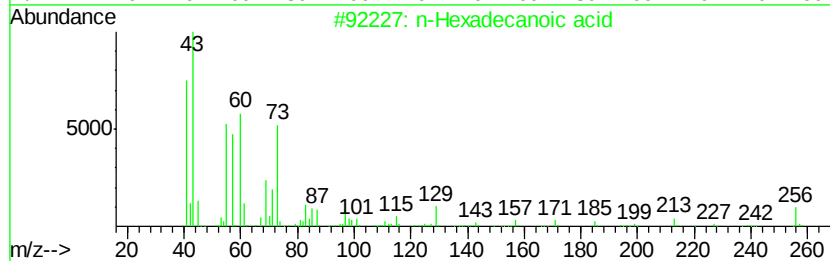
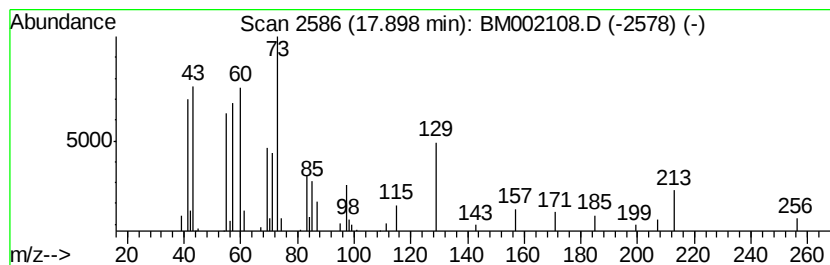
Instrument :
BNA_M
ClientSampleId :
C02E8

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.90	2.30 ng/ul	81187	Phenanthrene-d10	17.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tridecanoic acid	214	C13H26O2	000638-53-9	68
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4		D-Glucose, 4-O-.alpha.-D-glucopy...	342	C12H22O11	000069-79-4	35
5		.beta.-D-Mannofuranoside, 1-O-(1...	332	C17H32O6	1000155-29-9	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02E8

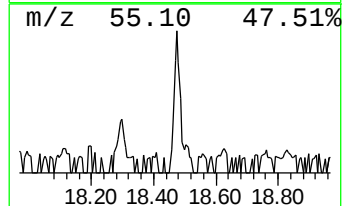
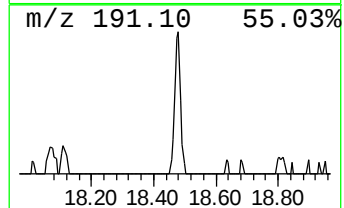
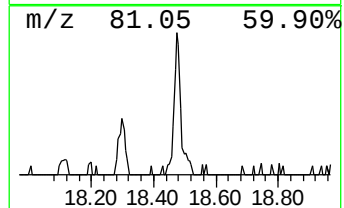
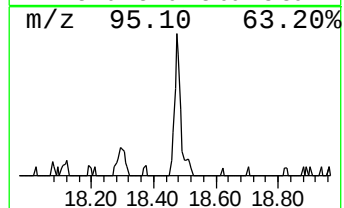
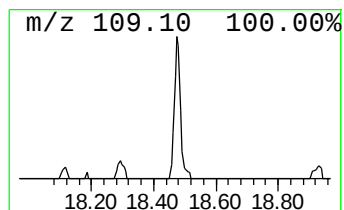
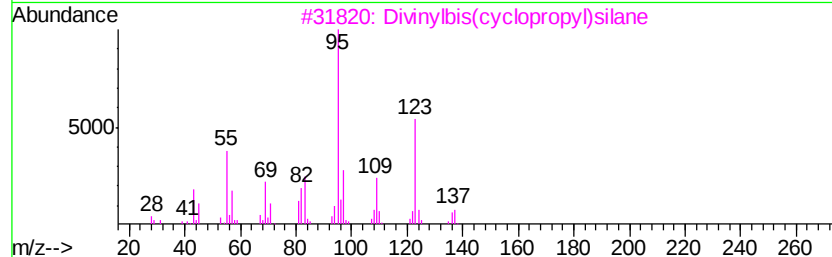
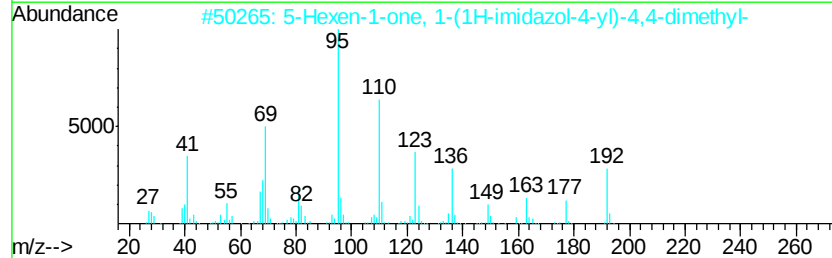
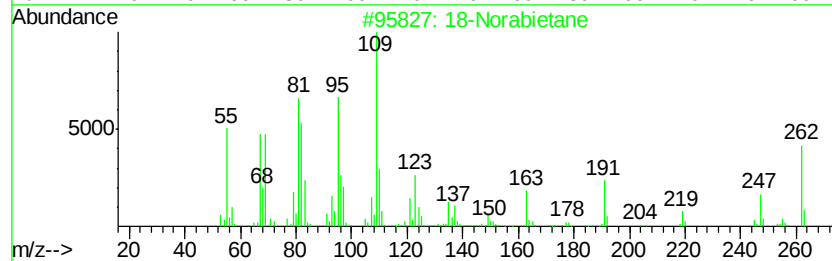
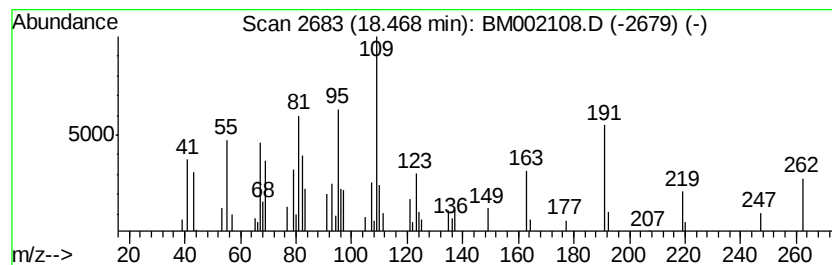
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.82 ng/ul	99698	Phenanthrene-d10	17.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	70
2		5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl-	192	C11H16N2O	069393-41-5	22
3		Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	22
4		4-Methyl-1,3-heptadiene (c,t)	110	C8H14	017603-57-5	18
5		2-Cyclopenten-1-one, 3,4-dimethyl-	110	C7H10O	030434-64-1	18



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02E8

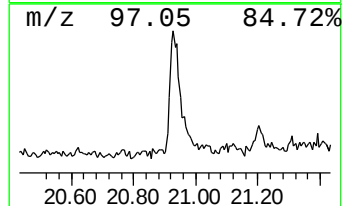
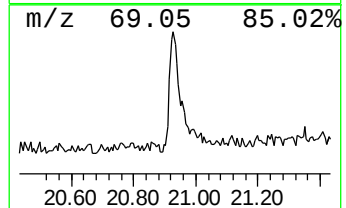
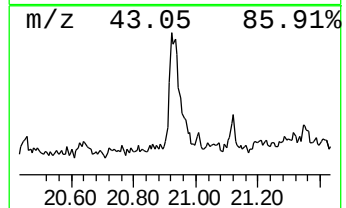
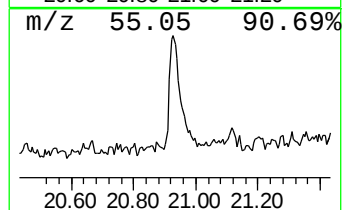
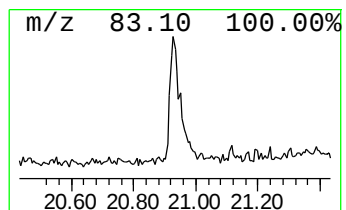
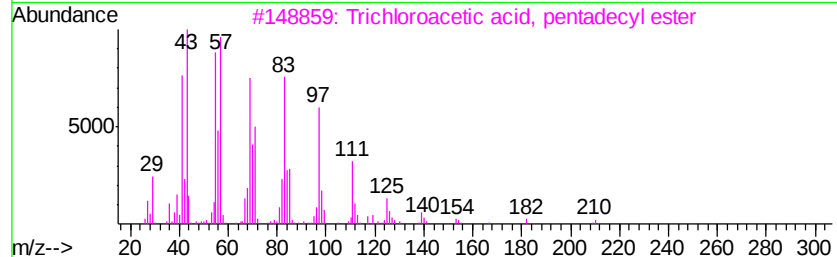
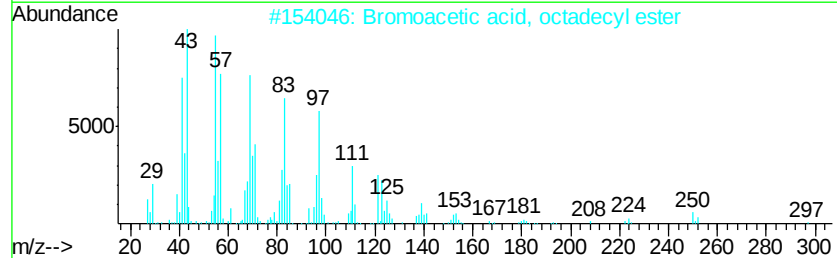
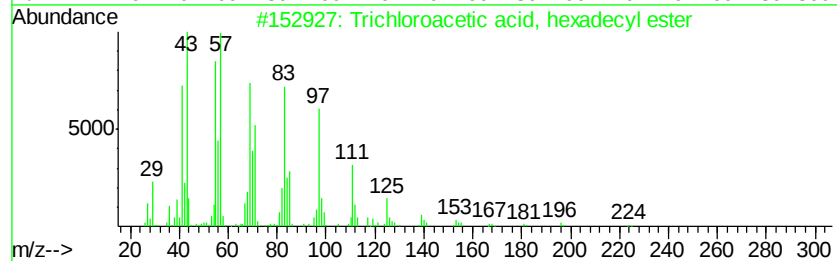
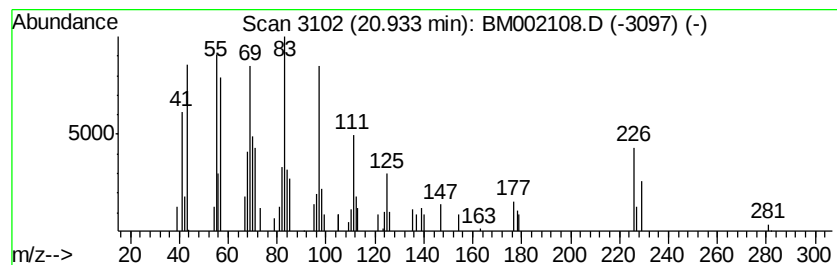
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Trichloroacetic acid, hexad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.16 ng/ul	110134	Chrysene-d12	21.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
2		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	81
3		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	80
4		Pentafluoropropionic acid, 4-hex...	388	C19H33F5O2	1000283-04-1	62
5		Isotridecanol-	200	C13H28O	027458-92-0	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
Data File : BM002108.D
Acq On : 29 Jul 2015 00:26
Operator : TP/UM
Sample : G3030-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C02E8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
n-Hexadecanoic acid	17.90	2.3	ng/ul	81187	4	17.00	706848	20.0
18-Norabietane	18.47	2.8	ng/ul	99698	4	17.00	706848	20.0
Trichloroacetic a...	20.93	2.2	ng/ul	110134	5	21.20	1018970	20.0