

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
 Data File : BM003102.D
 Acq On : 12 Nov 2015 02:37
 Operator : UM/IZ
 Sample : G4322-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS6

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-BM103015.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	3.211	18	21	28	rVB	12731	15674	0.35%	0.045%
2	4.058	161	165	170	rVB	16466	22083	0.50%	0.063%
3	4.863	297	302	309	rBV3	34606	54350	1.22%	0.155%
4	6.146	515	520	525	rBB	16324	21743	0.49%	0.062%
5	6.910	643	650	660	rBB	233765	379683	8.54%	1.083%
6	7.087	672	680	688	rBB	196165	316632	7.12%	0.903%
7	7.281	707	713	720	rBB	254803	387596	8.72%	1.106%
8	7.751	784	793	800	rBB	516228	813604	18.31%	2.321%
9	8.451	905	912	920	rBB	313078	485447	10.92%	1.385%
10	8.904	983	989	997	rBB	235953	376036	8.46%	1.073%
11	9.628	1106	1112	1120	rVB	195342	312392	7.03%	0.891%
12	10.157	1196	1202	1210	rBB	321534	522859	11.76%	1.491%
13	10.545	1260	1268	1275	rBV	785301	1320147	29.70%	3.765%
14	10.675	1284	1290	1300	rBV	200546	334153	7.52%	0.953%
15	13.633	1788	1793	1800	rBB	56959	82641	1.86%	0.236%
16	13.804	1816	1822	1826	rBV	664003	898841	20.22%	2.564%
17	13.851	1826	1830	1838	rVB	377392	500048	11.25%	1.426%
18	14.086	1864	1870	1881	rVB	697838	1037575	23.35%	2.959%
19	14.298	1902	1906	1911	rVB	20927	26523	0.60%	0.076%
20	14.398	1913	1923	1930	rBV2	1242832	1868270	42.04%	5.329%
21	14.463	1930	1934	1938	rVB	17447	24501	0.55%	0.070%
22	14.539	1942	1947	1950	rBV	25202	31624	0.71%	0.090%
23	14.580	1950	1954	1959	rBV	201031	273836	6.16%	0.781%
24	14.651	1959	1966	1979	rBV	2791122	4444344	100.00%	12.676%
25	14.798	1987	1991	1997	rVB3	17480	28190	0.63%	0.080%
26	15.251	2063	2068	2073	rVB2	35267	47688	1.07%	0.136%
27	15.392	2082	2092	2098	rBV	953586	1405219	31.62%	4.008%
28	15.445	2098	2101	2105	rVB2	18980	25602	0.58%	0.073%
29	15.504	2105	2111	2117	rBV	249405	331604	7.46%	0.946%
30	15.633	2126	2133	2136	rBV3	12282	23629	0.53%	0.067%
31	15.769	2148	2156	2160	rVV2	77844	103117	2.32%	0.294%
32	16.116	2210	2215	2218	rBV	40781	57038	1.28%	0.163%
33	16.286	2239	2244	2249	rVV4	15701	22482	0.51%	0.064%
34	16.539	2281	2287	2296	rVV6	8759	18043	0.41%	0.051%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
 Data File : BM003102.D
 Acq On : 12 Nov 2015 02:37
 Operator : UM/IZ
 Sample : G4322-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS6

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-BM103015.M
 Title : SVOA CALIBRATION

35	16.904	2338	2349	2355	rVV3	33795	58146	1.31%	0.166%
36	16.957	2355	2358	2363	rVB2	17577	24096	0.54%	0.069%
37	17.139	2383	2389	2394	rBV2	1478965	2195889	49.41%	6.263%
38	17.180	2394	2396	2401	rVB	260475	318263	7.16%	0.908%
39	17.239	2401	2406	2411	rBV2	985528	1360375	30.61%	3.880%
40	17.539	2449	2457	2462	rBV2	19802	35307	0.79%	0.101%
41	17.645	2471	2475	2484	rVV2	13347	19636	0.44%	0.056%
42	17.933	2516	2524	2527	rBV5	12182	26998	0.61%	0.077%
43	17.974	2527	2531	2534	rVV3	11584	18828	0.42%	0.054%
44	18.033	2534	2541	2544	rVV3	90314	166197	3.74%	0.474%
45	18.062	2544	2546	2551	rVV	49357	65632	1.48%	0.187%
46	18.145	2556	2560	2564	rVV	13558	21457	0.48%	0.061%
47	18.210	2565	2571	2575	rVV2	42325	80012	1.80%	0.228%
48	18.245	2575	2577	2584	rVV2	21075	29585	0.67%	0.084%
49	18.521	2620	2624	2627	rBV	17824	27200	0.61%	0.078%
50	18.557	2627	2630	2634	rVB2	25492	32562	0.73%	0.093%
51	18.809	2669	2673	2676	rVV3	10548	15731	0.35%	0.045%
52	18.892	2684	2687	2692	rBV	22711	41081	0.92%	0.117%
53	19.074	2713	2718	2726	rVB4	14004	29146	0.66%	0.083%
54	19.204	2728	2740	2748	rBV	380897	551761	12.41%	1.574%
55	19.315	2754	2759	2764	rBV3	37383	56323	1.27%	0.161%
56	19.445	2775	2781	2785	rVB3	26221	36162	0.81%	0.103%
57	19.539	2789	2797	2800	rBV	1104023	1638584	36.87%	4.674%
58	19.639	2810	2814	2820	rVB2	14904	21367	0.48%	0.061%
59	19.745	2826	2832	2837	rVB	18192	29210	0.66%	0.083%
60	19.804	2837	2842	2848	rBV6	7048	16321	0.37%	0.047%
61	19.898	2852	2858	2863	rVB2	17832	40782	0.92%	0.116%
62	19.980	2868	2872	2876	rBV2	15883	20807	0.47%	0.059%
63	20.062	2876	2886	2897	rBV2	49070	125508	2.82%	0.358%
64	20.162	2899	2903	2906	rBV2	24622	31002	0.70%	0.088%
65	20.221	2906	2913	2916	rVV4	22208	36936	0.83%	0.105%
66	20.362	2932	2937	2940	rBV	16246	23036	0.52%	0.066%
67	20.404	2940	2944	2948	rVV2	16987	25849	0.58%	0.074%
68	20.462	2950	2954	2958	rVB	28505	36602	0.82%	0.104%
69	20.668	2986	2989	2991	rVV	17469	23626	0.53%	0.067%
70	20.715	2994	2997	3000	rVV	33787	40058	0.90%	0.114%
71	20.774	3005	3007	3010	rVV2	15763	20117	0.45%	0.057%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

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-BM103015.M
Title : SVOA CALIBRATION

72	20.809	3010	3013	3017	rVB	18916	24127	0.54%	0.069%
73	20.980	3038	3042	3045	rVB	20034	23749	0.53%	0.068%
74	21.015	3045	3048	3049	rBV	22087	21361	0.48%	0.061%
75	21.045	3049	3053	3059	rVV4	157939	228396	5.14%	0.651%
76	21.103	3060	3063	3067	rVV4	23221	35848	0.81%	0.102%
77	21.162	3070	3073	3078	rVB2	16857	18504	0.42%	0.053%
78	21.245	3085	3087	3091	rVB2	19148	20602	0.46%	0.059%
79	21.333	3094	3102	3106	rVV	1673405	2447167	55.06%	6.980%
80	21.368	3106	3108	3115	rVB	151237	167171	3.76%	0.477%
81	21.486	3124	3128	3132	rBV	38119	48174	1.08%	0.137%
82	21.639	3150	3154	3155	rBV2	20466	23745	0.53%	0.068%
83	21.662	3156	3158	3162	rVB3	26632	30476	0.69%	0.087%
84	21.874	3191	3194	3198	rBV3	20937	33555	0.76%	0.096%
85	21.927	3198	3203	3210	rVB3	125984	229142	5.16%	0.654%
86	22.386	3276	3281	3285	rBV2	77634	123385	2.78%	0.352%
87	22.521	3300	3304	3311	rVB	42404	68732	1.55%	0.196%
88	22.621	3316	3321	3334	rVB	274560	406145	9.14%	1.158%
89	22.903	3363	3369	3372	rBV2	360888	590524	13.29%	1.684%
90	22.945	3372	3376	3387	rVB	675218	1109324	24.96%	3.164%
91	23.392	3448	3452	3455	rBV	51833	80175	1.80%	0.229%
92	23.444	3455	3461	3474	rVB	638636	1418797	31.92%	4.047%
93	23.592	3479	3486	3493	rBV2	987927	1926996	43.36%	5.496%
94	23.792	3515	3520	3529	rBV	151501	267026	6.01%	0.762%
95	24.133	3571	3578	3586	rBV	269174	531774	11.97%	1.517%
96	24.215	3586	3592	3606	rVB2	118416	246618	5.55%	0.703%
97	24.886	3700	3706	3713	rBV	72139	158549	3.57%	0.452%
98	25.344	3779	3784	3793	rVB7	28527	64763	1.46%	0.185%
99	25.780	3850	3858	3868	rBV3	75197	282902	6.37%	0.807%
100	26.685	4004	4012	4024	rVB5	161661	478601	10.77%	1.365%

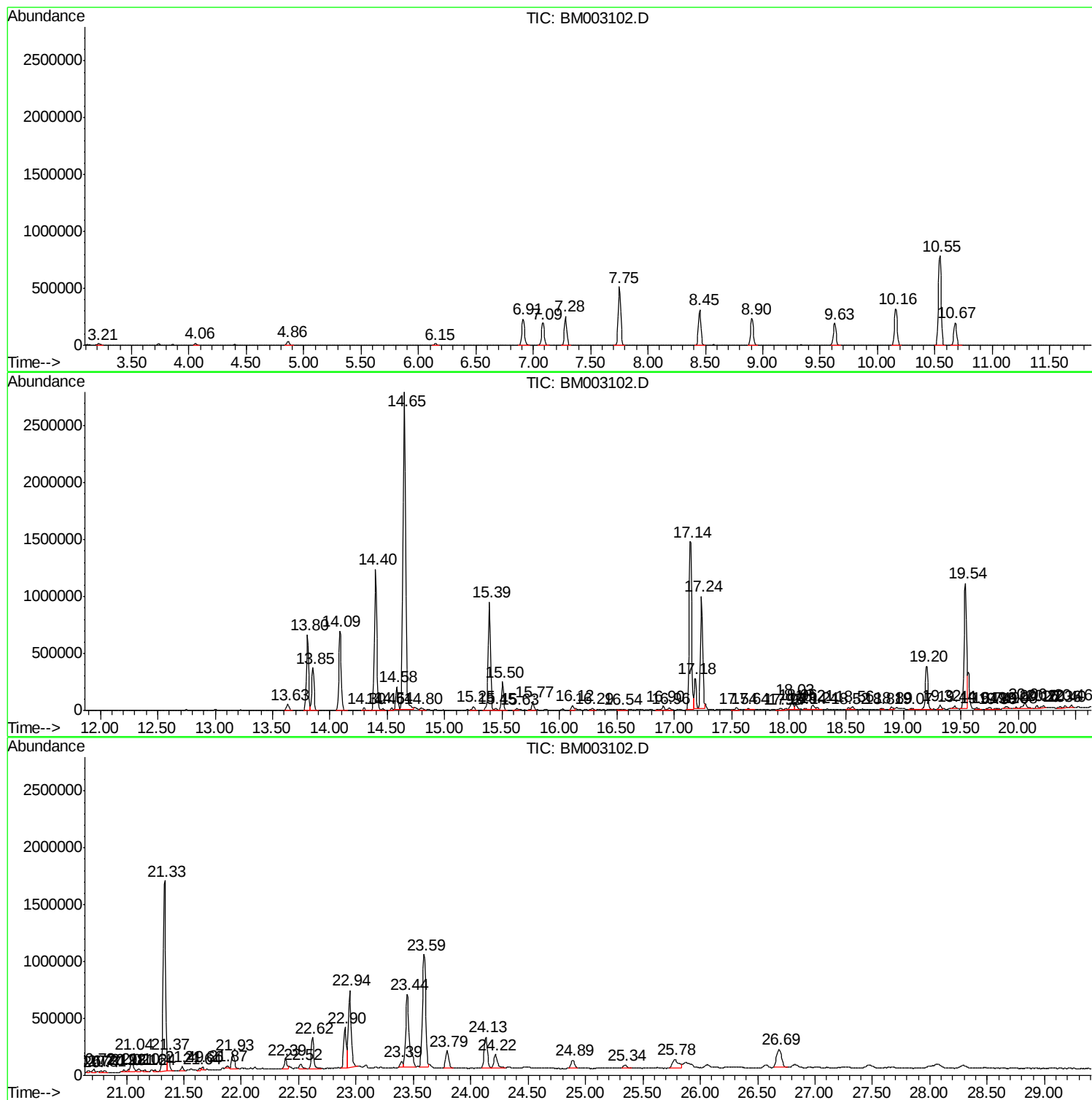
Sum of corrected areas: 35059734

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

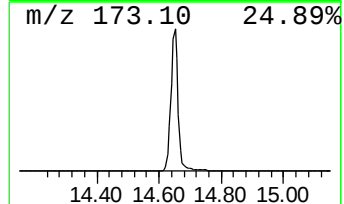
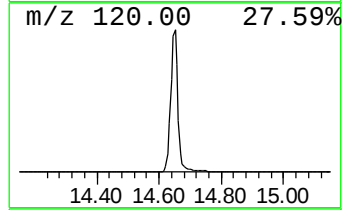
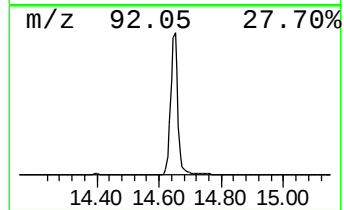
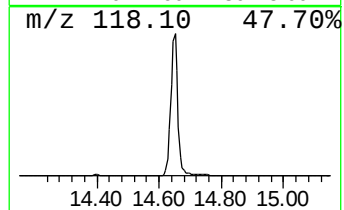
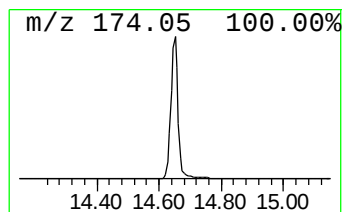
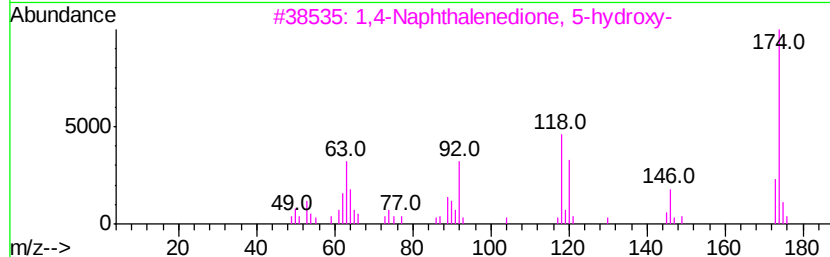
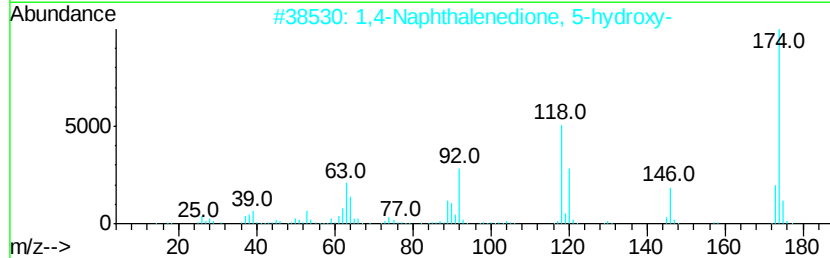
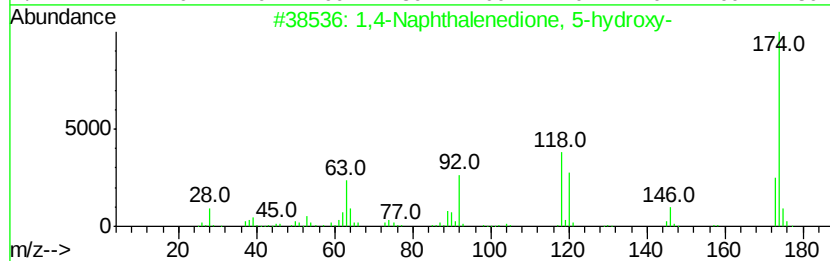
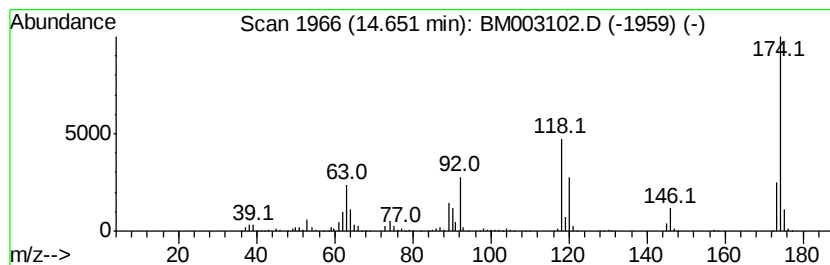
Instrument :
BNA_M
ClientSampleId :
A4HS6

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,4-Naphthalenedione, 5-hyd... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.65	47.58 ng/ul	4444340	Acenaphthene-d10	14.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	95
2	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	94
3	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	53
4	1-Methyl-5-(4-methylphenyl)tetra...	174	C9H10N4	068826-33-5	47
5	8-Quinolinol, 5-nitroso-	174	C9H6N2O2	003565-26-2	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

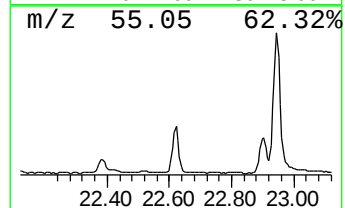
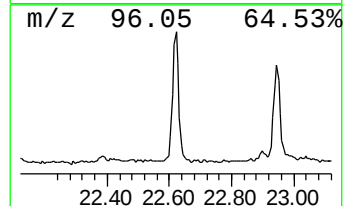
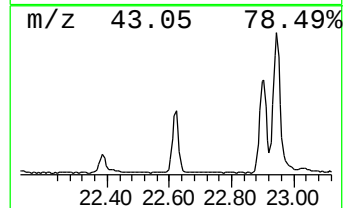
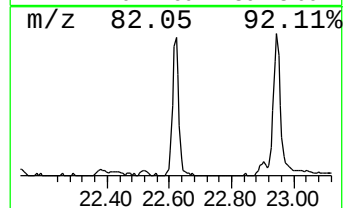
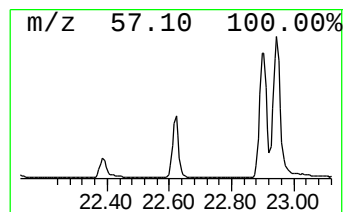
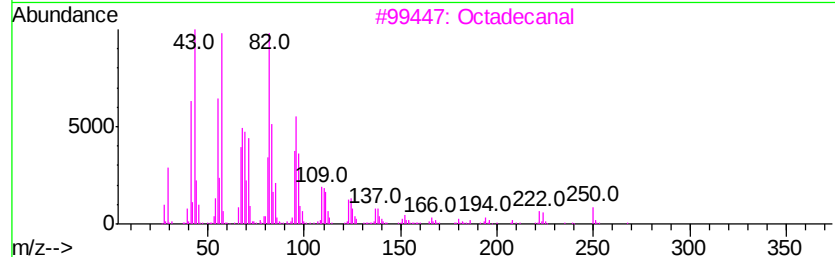
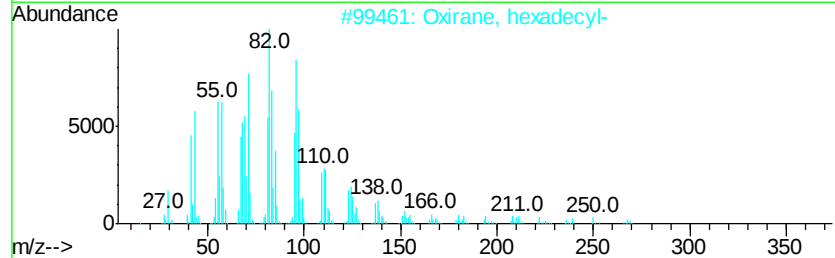
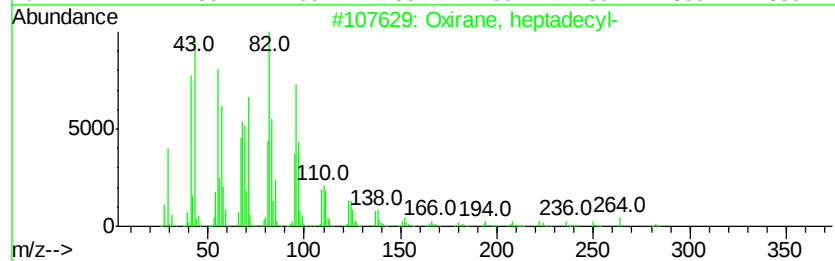
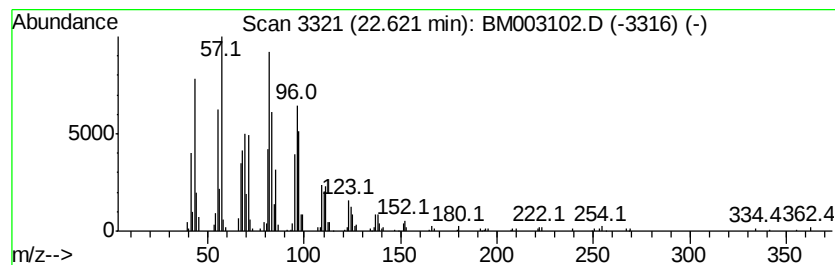
Instrument :
BNA_M
ClientSampleId :
A4HS6

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 Oxirane, heptadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.62	4.22 ng/ul	406145	Perylene-d12	23.59	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
5	Tetracosanal	352	C24H48O	057866-08-7	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

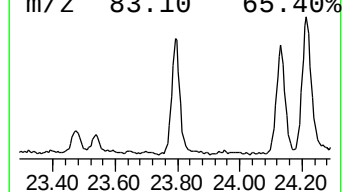
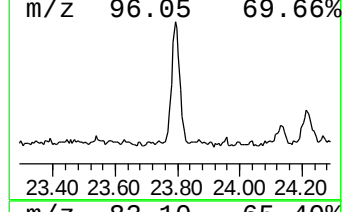
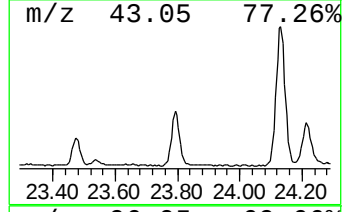
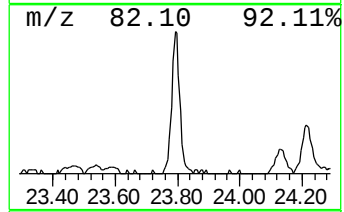
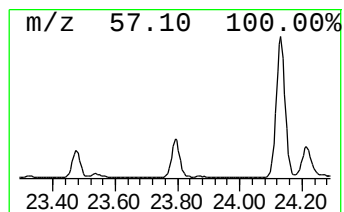
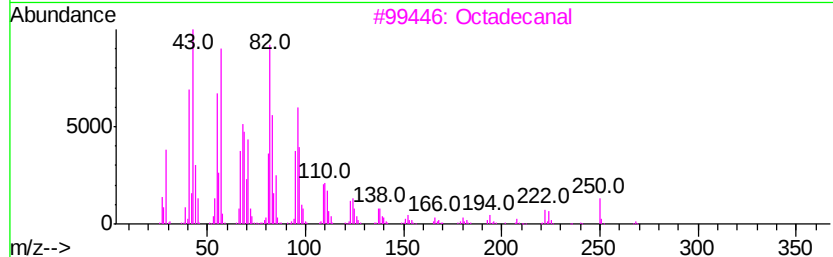
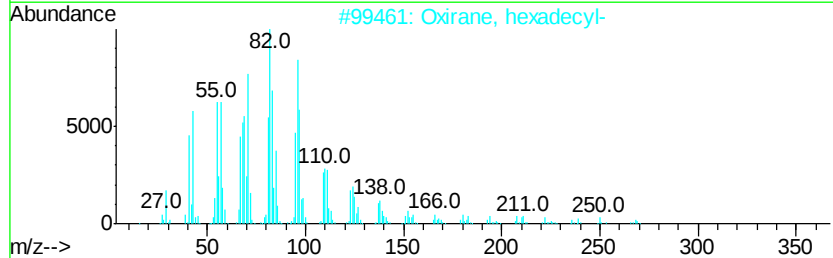
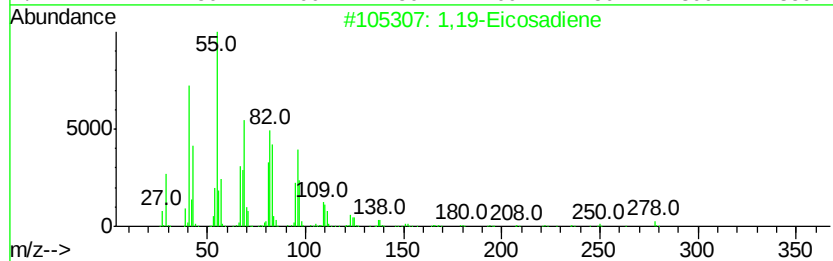
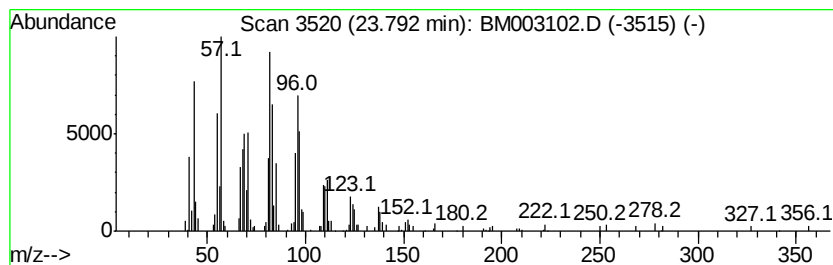
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 1,19-Eicosadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	2.77 ng/ul	267026	Perylene-d12	23.59

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene		278	C20H38	014811-95-1	98
2	Oxirane, hexadecyl-		268	C18H36O	007390-81-0	97
3	Octadecanal		268	C18H36O	000638-66-4	95
4	Oxirane, heptadecyl-		282	C19H38O	067860-04-2	91
5	Octadecanal		268	C18H36O	000638-66-4	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

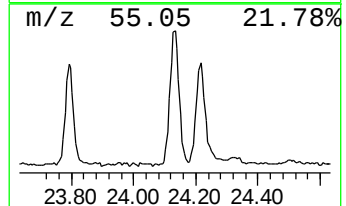
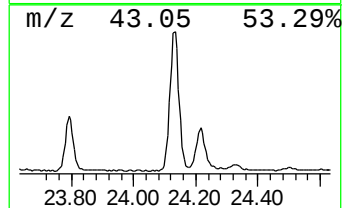
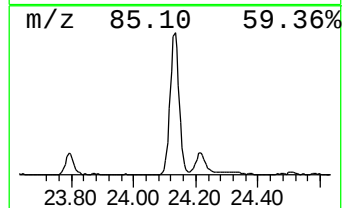
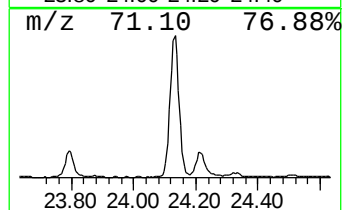
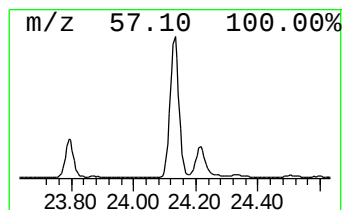
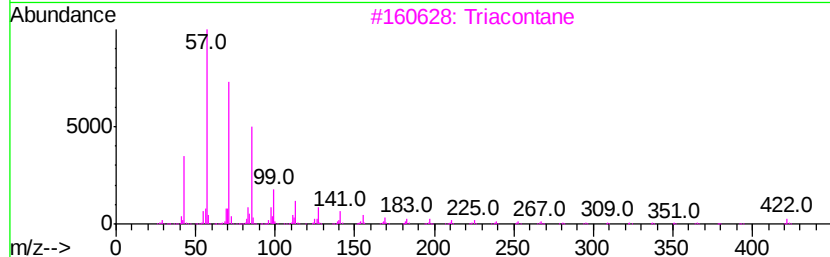
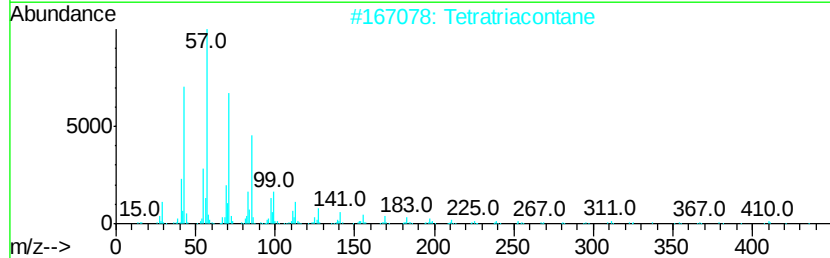
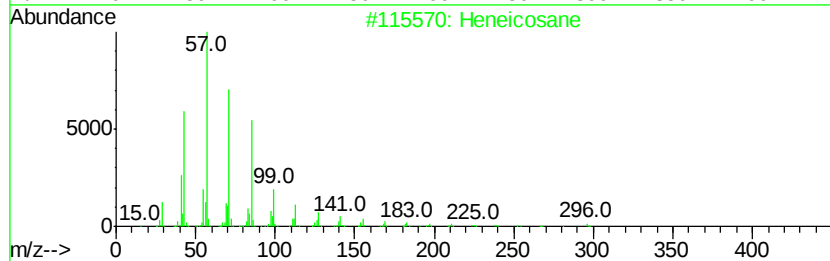
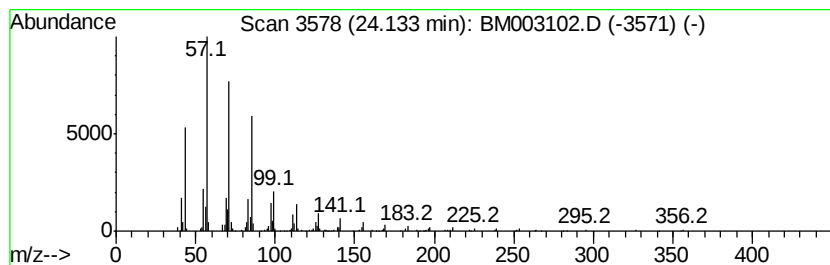
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	5.52 ng/ul	531774	Perylene-d12	23.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Tetratriacontane	479	C34H70	014167-59-0	91
3		Triacontane	422	C30H62	000638-68-6	91
4		Docosane	310	C22H46	000629-97-0	91
5		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

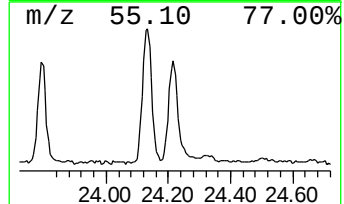
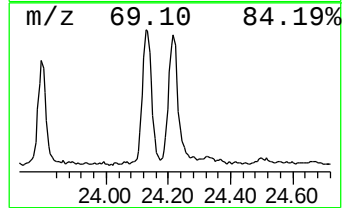
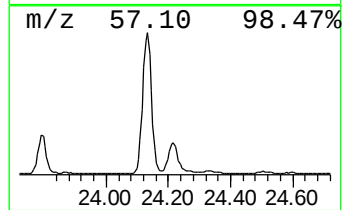
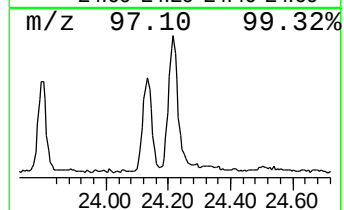
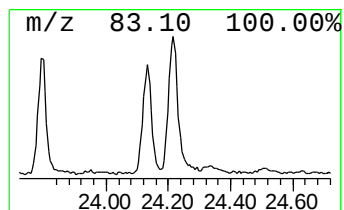
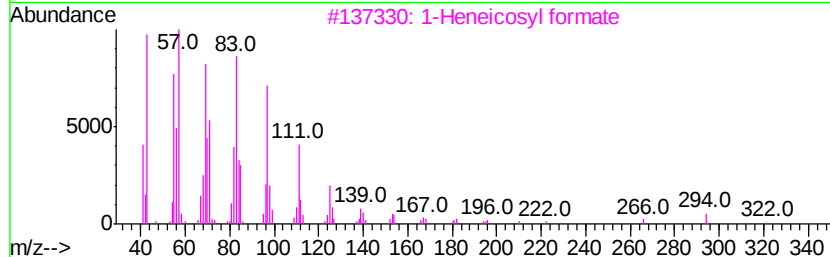
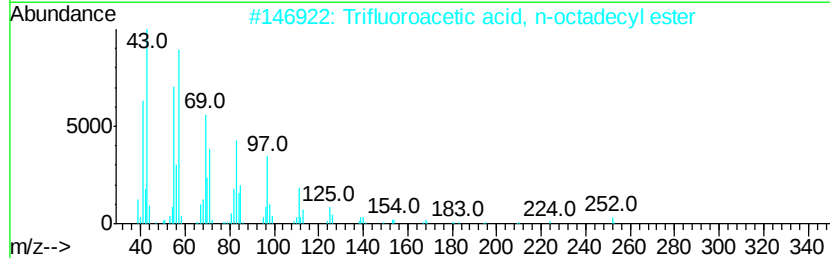
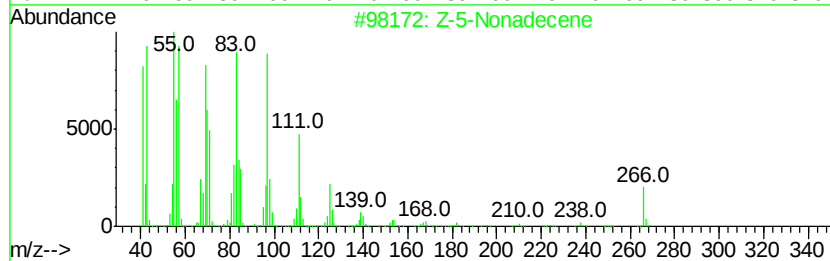
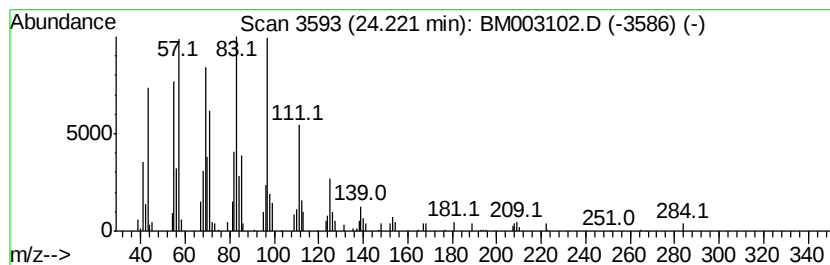
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Branched24.22 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.22	2.56 ng/ul	246618	Perylene-d12	23.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-5-Nonadecene	266	C19H38	1000131-11-8	92
2		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	91
3		1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
4		1-Hexadecanol	242	C16H34O	036653-82-4	91
5		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

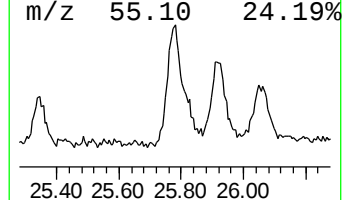
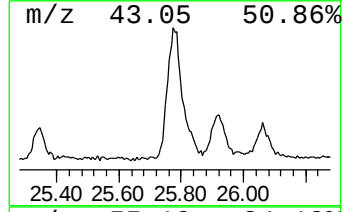
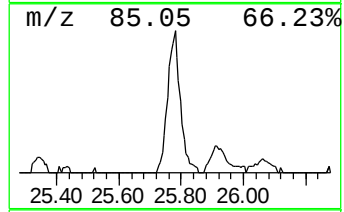
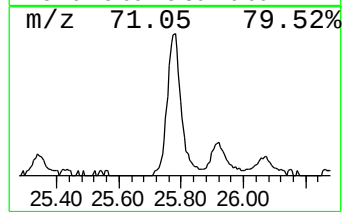
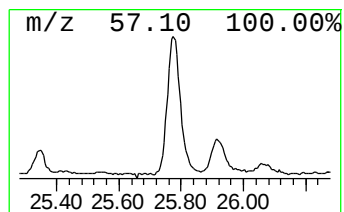
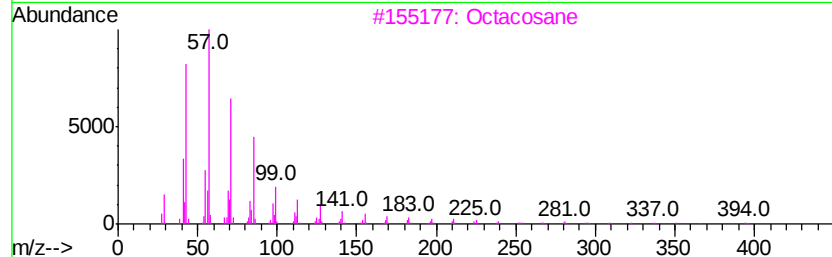
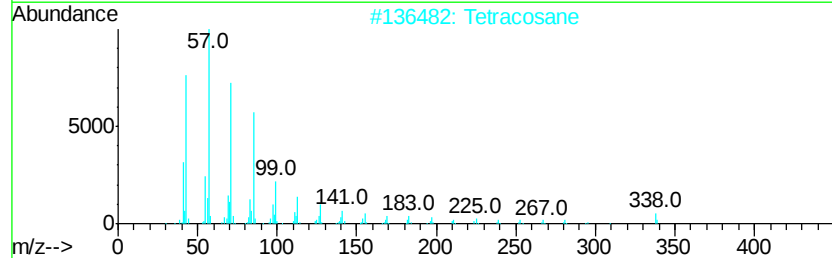
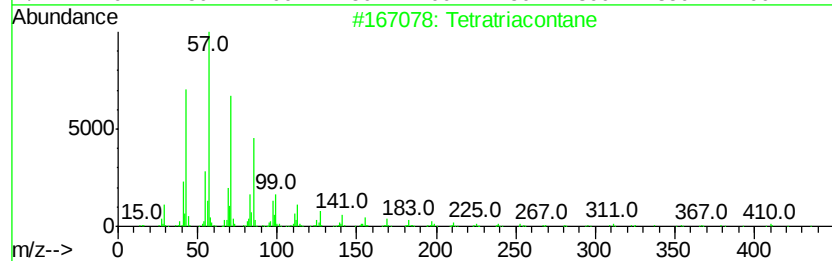
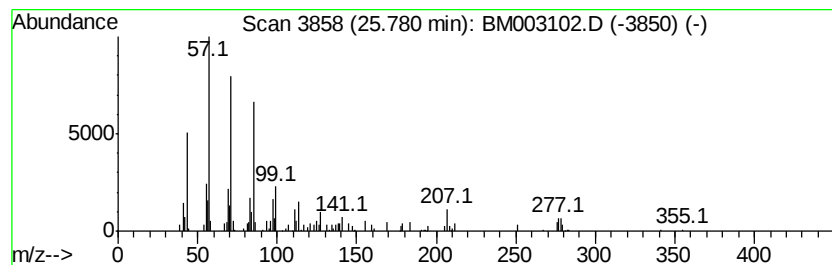
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Branched25.78 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.78	2.94 ng/ul	282902	Perylene-d12	23.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratriacontane	479	C34H70	014167-59-0	87
2		Tetracosane	338	C24H50	000646-31-1	87
3		Octacosane	394	C28H58	000630-02-4	87
4		Heptacosane	380	C27H56	000593-49-7	87
5		Octadecane	254	C18H38	000593-45-3	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

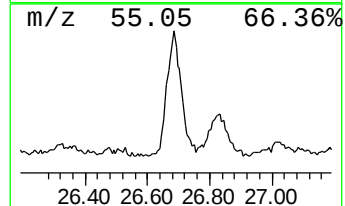
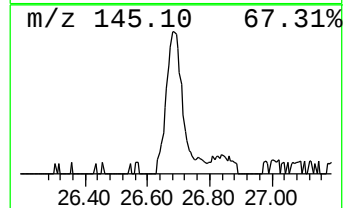
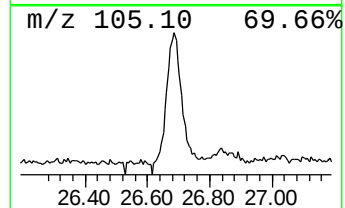
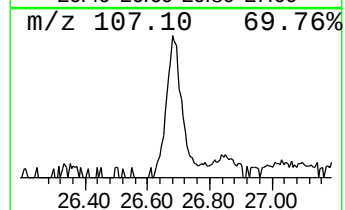
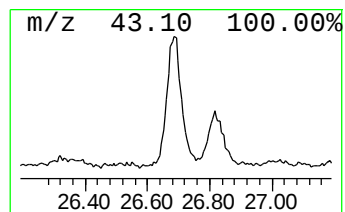
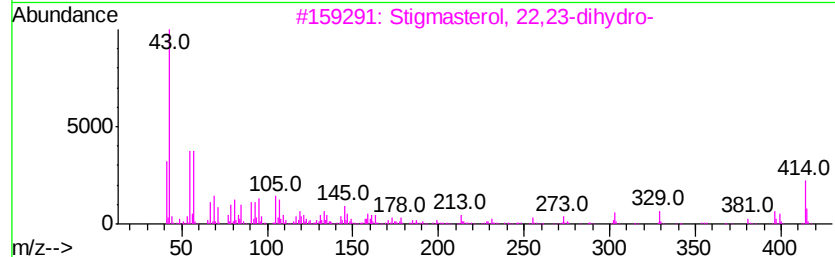
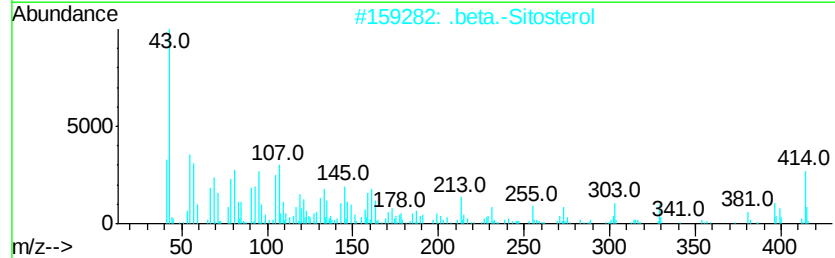
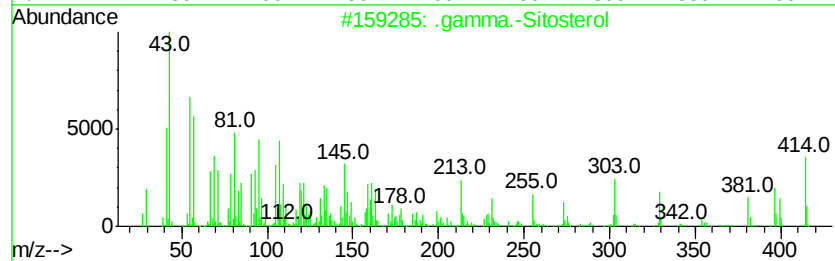
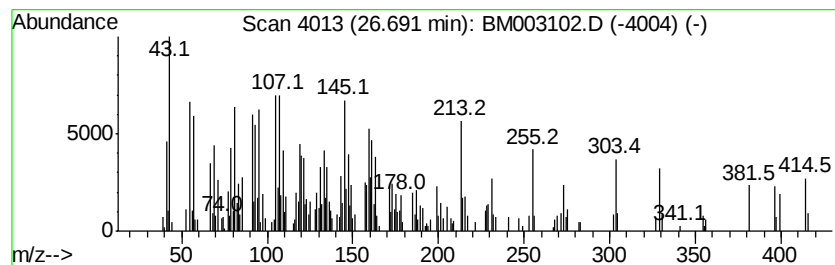
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.69	4.97 ng/ul	478601	Perylene-d12	23.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	97
3		Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	96
4		.beta.-Sitosterol	414	C29H50O	000083-46-5	95
5		5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	30



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111115\
Data File : BM003102.D
Acq On : 12 Nov 2015 02:37
Operator : UM/IZ
Sample : G4322-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HS6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.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
1,4-Naphthalenedi...	14.65	47.6	ng/ul	4444340	3	14.40	1868270	20.0
Oxirane, heptadecyl-	22.62	4.2	ng/ul	406145	6	23.59	1927000	20.0
1,19-Eicosadiene	23.79	2.8	ng/ul	267026	6	23.59	1927000	20.0
(DEL) Alkane: Str...	24.13	5.5	ng/ul	531774	6	23.59	1927000	20.0
(DEL) Alkane: Bra...	24.22	2.6	ng/ul	246618	6	23.59	1927000	20.0
(DEL) Alkane: Bra...	25.78	2.9	ng/ul	282902	6	23.59	1927000	20.0
.gamma.-Sitosterol	26.69	5.0	ng/ul	478601	6	23.59	1927000	20.0