

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
 Data File : BM007454.D
 Acq On : 08 Sep 2016 00:18
 Operator : UM/SJ
 Sample : H4666-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3B1

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\SOM02.2-EPA-BM082316.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	6.963	735	744	760	rBV	614062	1136376	11.05%	1.011%
2	7.128	766	772	778	rBV	524195	807983	7.85%	0.719%
3	7.328	799	806	815	rVB	682657	1105189	10.74%	0.983%
4	7.793	876	885	892	rBV	949752	1571092	15.27%	1.397%
5	8.493	998	1004	1012	rBV	648912	1064018	10.34%	0.946%
6	8.946	1074	1081	1089	rBV	740702	1258998	12.24%	1.120%
7	9.663	1194	1203	1214	rBV	683504	1186375	11.53%	1.055%
8	10.198	1287	1294	1305	rBV	971907	1695853	16.49%	1.508%
9	10.575	1348	1358	1364	rBV	1501453	2668091	25.94%	2.373%
10	10.628	1364	1367	1374	rVB	151179	230962	2.25%	0.205%
11	10.716	1374	1382	1393	rBV	472333	929634	9.04%	0.827%
12	12.240	1634	1641	1649	rVB	204649	353811	3.44%	0.315%
13	12.457	1672	1678	1685	rBV	165282	263515	2.56%	0.234%
14	13.245	1806	1812	1818	rBV2	117324	223686	2.17%	0.199%
15	13.745	1891	1897	1901	rBV	153815	256523	2.49%	0.228%
16	13.798	1901	1906	1907	rVV	118193	163243	1.59%	0.145%
17	13.834	1907	1912	1916	rVV	2105128	3024855	29.41%	2.691%
18	13.881	1916	1920	1927	rVB	1369761	1999777	19.44%	1.779%
19	14.116	1954	1960	1973	rVB	2349287	3779711	36.74%	3.362%
20	14.316	1990	1994	2001	rVB	136960	191670	1.86%	0.170%
21	14.422	2001	2012	2019	rBV2	2439554	4123839	40.09%	3.668%
22	14.633	2042	2048	2056	rBV	502325	932290	9.06%	0.829%
23	14.716	2056	2062	2068	rVB5	46658	109315	1.06%	0.097%
24	14.822	2076	2080	2087	rVB	280015	438177	4.26%	0.390%
25	15.039	2113	2117	2122	rVV	69670	113474	1.10%	0.101%
26	15.092	2122	2126	2130	rVB2	80797	110317	1.07%	0.098%
27	15.210	2136	2146	2150	rBV6	105246	206380	2.01%	0.184%
28	15.269	2152	2156	2162	rVB	211447	282600	2.75%	0.251%
29	15.416	2174	2181	2186	rVV	3061263	4570955	44.44%	4.066%
30	15.463	2186	2189	2193	rVV2	110978	157057	1.53%	0.140%
31	15.545	2197	2203	2211	rVB	904829	1274360	12.39%	1.134%
32	15.675	2219	2225	2234	rVB5	113811	279350	2.72%	0.248%
33	15.769	2234	2241	2246	rVB	146973	248016	2.41%	0.221%
34	15.916	2258	2266	2273	rVB3	132781	338191	3.29%	0.301%

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35	15.998	2274	2280	2287	rVB3	65795	144665	1.41%	0.129%
36	16.133	2298	2303	2305	rBV	343699	522416	5.08%	0.465%
37	16.475	2352	2361	2366	rBV10	62082	170406	1.66%	0.152%
38	16.710	2395	2401	2404	rBV3	152147	271070	2.64%	0.241%
39	16.822	2416	2420	2427	rVB	298339	441274	4.29%	0.393%
40	16.927	2429	2438	2444	rBV	1501190	2190342	21.29%	1.948%
41	17.169	2473	2479	2483	rBV	3518115	5085072	49.43%	4.523%
42	17.210	2483	2486	2490	rVB	898341	1149836	11.18%	1.023%
43	17.269	2490	2496	2501	rBV	3396440	4998086	48.59%	4.446%
44	17.351	2506	2510	2515	rVB3	77115	129878	1.26%	0.116%
45	17.480	2529	2532	2537	rVB4	118083	164361	1.60%	0.146%
46	17.574	2540	2548	2551	rBV	275053	505402	4.91%	0.450%
47	17.657	2559	2562	2566	rBV	198561	212452	2.07%	0.189%
48	17.745	2574	2577	2585	rVB5	114705	171560	1.67%	0.153%
49	17.945	2606	2611	2616	rBV6	83155	180935	1.76%	0.161%
50	18.004	2616	2621	2624	rBV	447677	633371	6.16%	0.563%
51	18.063	2624	2631	2634	rBV2	783576	1313032	12.76%	1.168%
52	18.227	2655	2659	2664	rBV3	263024	460405	4.48%	0.410%
53	18.274	2664	2667	2673	rVB	230555	353351	3.44%	0.314%
54	18.351	2676	2680	2684	rBV3	294861	382224	3.72%	0.340%
55	18.392	2684	2687	2691	rBV3	104170	139296	1.35%	0.124%
56	18.433	2691	2694	2699	rVB3	119280	172540	1.68%	0.153%
57	18.545	2709	2713	2716	rVV	308049	438113	4.26%	0.390%
58	18.586	2716	2720	2726	rVB	375974	534698	5.20%	0.476%
59	18.763	2746	2750	2751	rBV4	86482	107940	1.05%	0.096%
60	18.786	2751	2754	2758	rVV3	171054	245714	2.39%	0.219%
61	18.839	2760	2763	2766	rVV	146905	193820	1.88%	0.172%
62	18.874	2767	2769	2773	rVB	129289	155140	1.51%	0.138%
63	18.963	2779	2784	2785	rBV	326931	445627	4.33%	0.396%
64	19.051	2797	2799	2803	rVB	153131	166594	1.62%	0.148%
65	19.104	2803	2808	2814	rBV2	359925	579960	5.64%	0.516%
66	19.227	2824	2829	2834	rVB	2671908	3777045	36.72%	3.360%
67	19.286	2836	2839	2842	rVV	154874	178908	1.74%	0.159%
68	19.427	2860	2863	2867	rBV3	111361	143331	1.39%	0.127%
69	19.563	2880	2886	2889	rBV	4866244	7454383	72.47%	6.631%
70	19.592	2889	2891	2899	rVV	2094061	2446636	23.78%	2.176%
71	19.663	2899	2903	2909	rVB2	320350	485564	4.72%	0.432%

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72	19.910	2940	2945	2953	rBV4	377852	1034834	10.06%	0.920%
73	20.045	2964	2968	2969	rBV	290602	382592	3.72%	0.340%
74	20.239	2996	3001	3005	rVB2	398631	742405	7.22%	0.660%
75	20.380	3022	3025	3029	rBV	326247	477925	4.65%	0.425%
76	20.592	3058	3061	3064	rBV3	267953	286988	2.79%	0.255%
77	20.827	3098	3101	3107	rBV	935458	1284502	12.49%	1.143%
78	20.992	3125	3129	3133	rBV3	671356	963303	9.36%	0.857%
79	21.051	3133	3139	3148	rVV4	1011496	2085400	20.27%	1.855%
80	21.127	3149	3152	3158	rVB	559520	778473	7.57%	0.692%
81	21.257	3170	3174	3178	rVB	1314406	1515862	14.74%	1.348%
82	21.351	3183	3190	3194	rVV2	5397798	10286513	100.00%	9.150%
83	21.386	3194	3196	3203	rVB	2313957	2759411	26.83%	2.454%
84	22.527	3387	3390	3393	rVB	375077	442546	4.30%	0.394%
85	22.939	3455	3460	3465	rBV	1765427	3345439	32.52%	2.976%
86	23.427	3538	3543	3546	rBV	949978	1655542	16.09%	1.473%
87	23.474	3546	3551	3556	rVV2	2369539	4168664	40.53%	3.708%
88	23.621	3570	3576	3582	rBV	2515671	4688817	45.58%	4.171%
89	24.127	3658	3662	3673	rVB2	624753	1284298	12.49%	1.142%

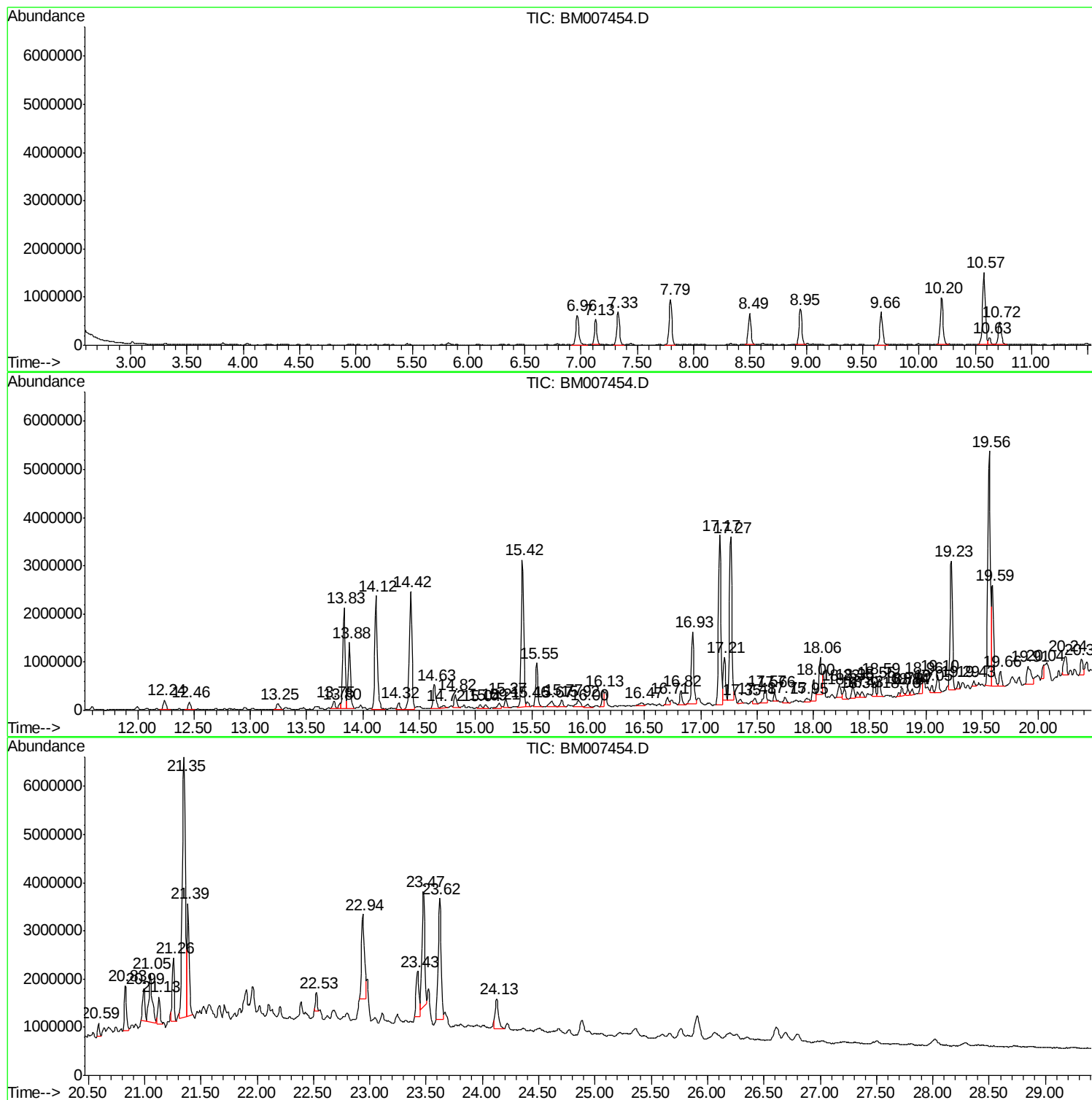
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



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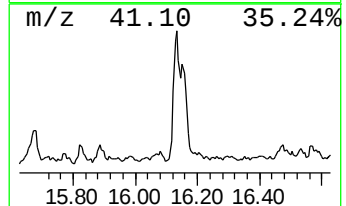
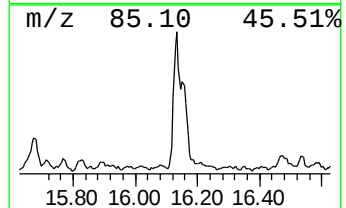
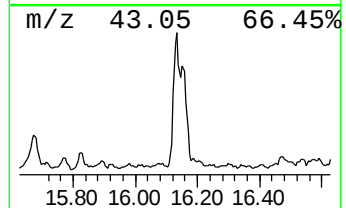
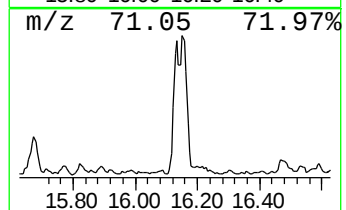
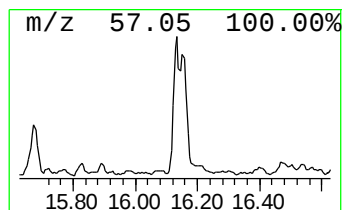
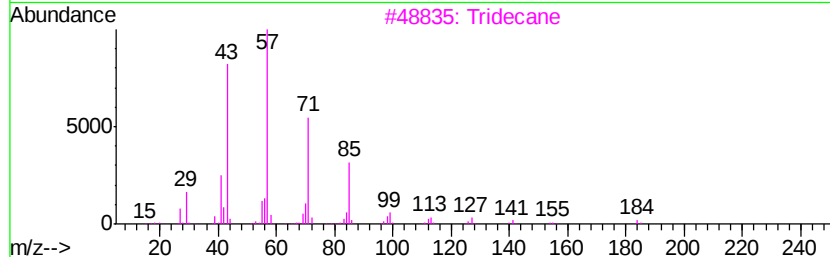
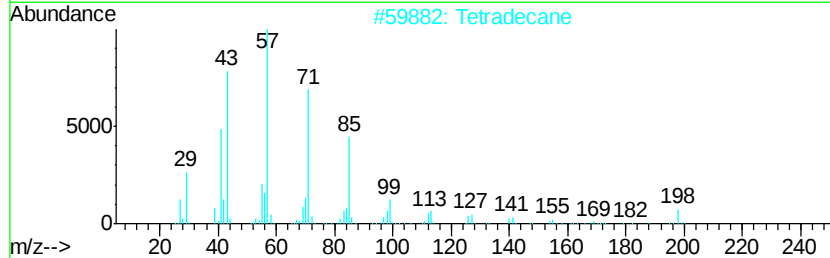
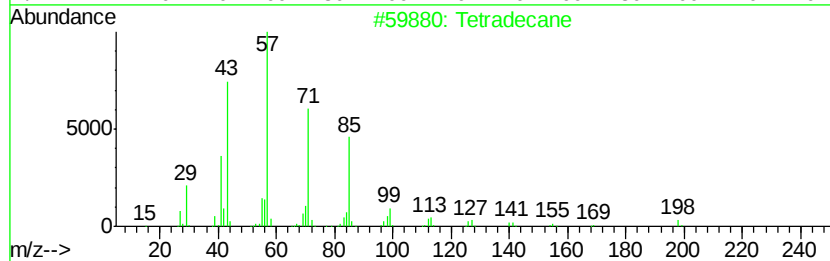
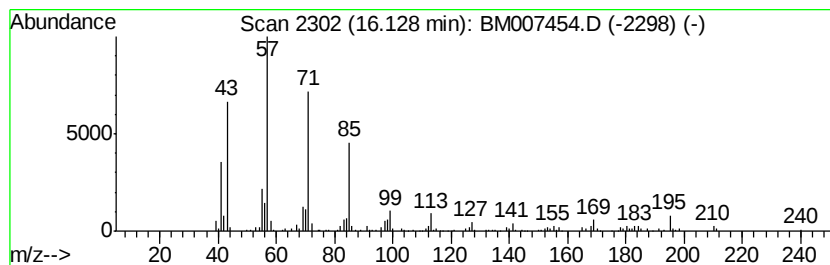
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.05 ng/ul	522416	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	91
2		Tetradecane	198	C14H30	000629-59-4	91
3		Tridecane	184	C13H28	000629-50-5	87
4		Heptadecane	240	C17H36	000629-78-7	83
5		Tetracosane	338	C24H50	000646-31-1	83



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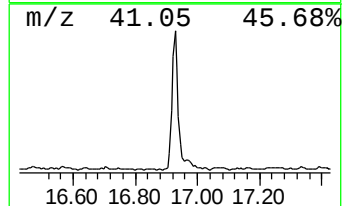
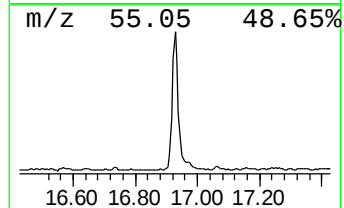
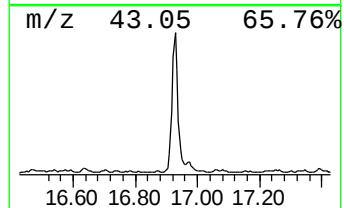
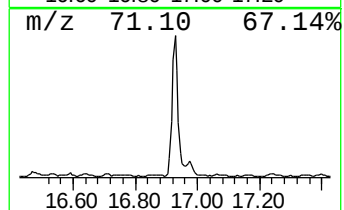
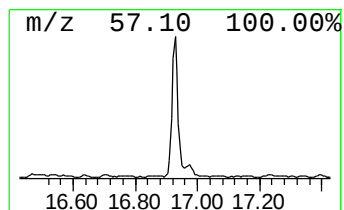
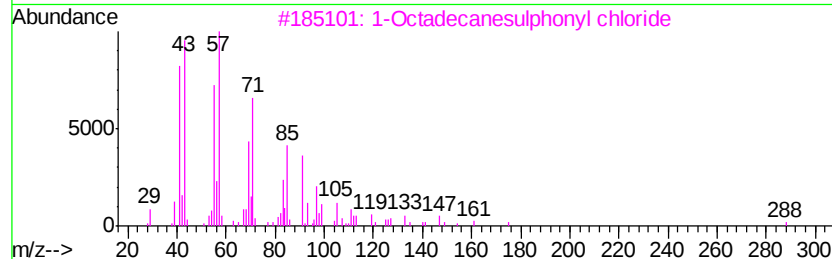
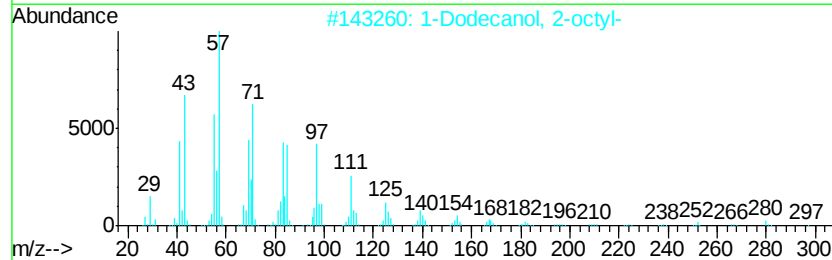
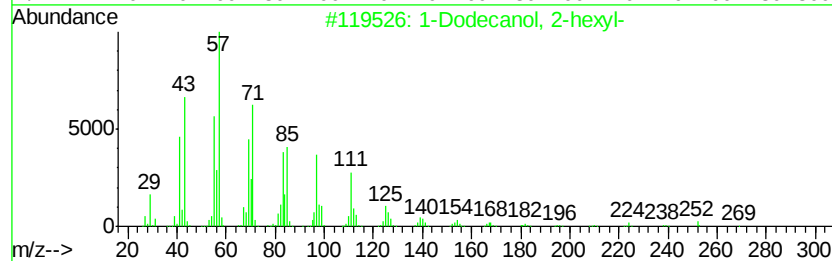
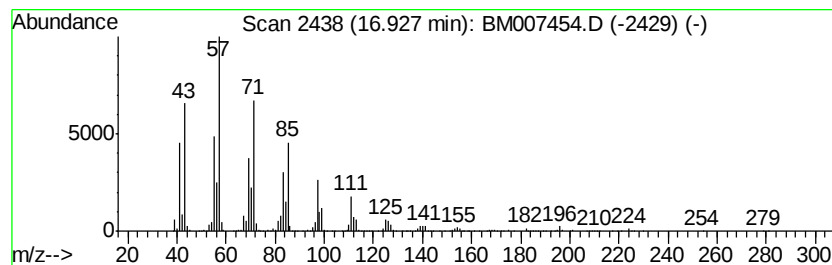
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 1-Dodecanol, 2-hexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	8.61 ng/ul	2190340	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	87
2			1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	87
3			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	87
4			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	87
5			Cetene	224	C16H32	000629-73-2	86



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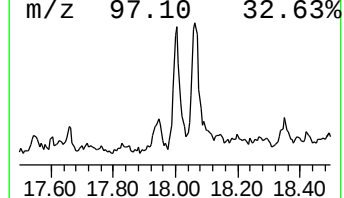
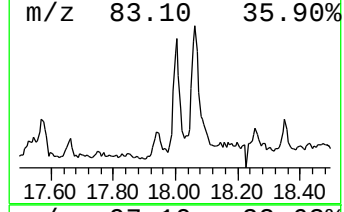
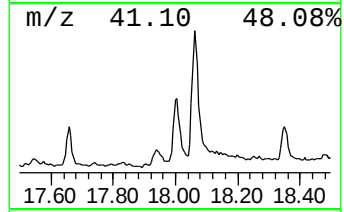
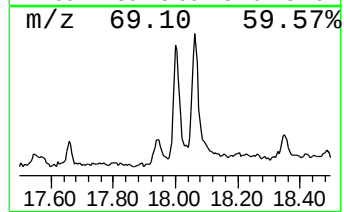
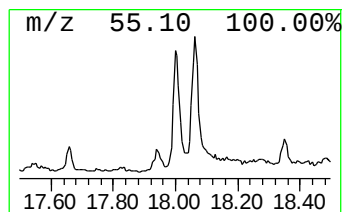
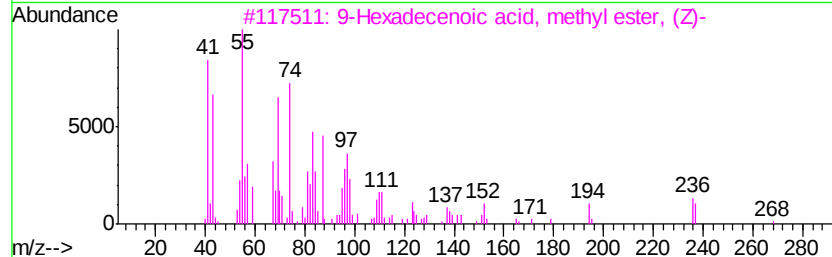
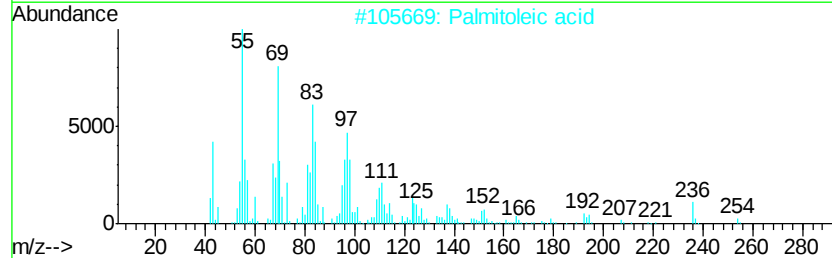
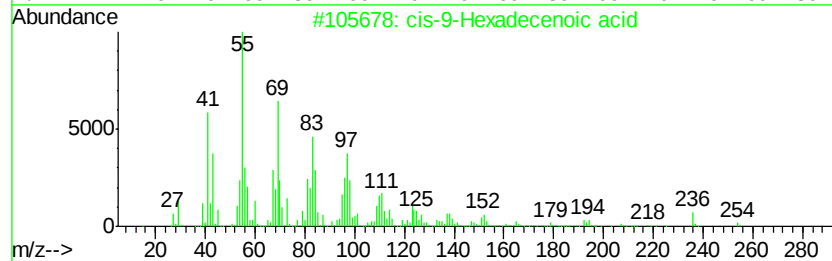
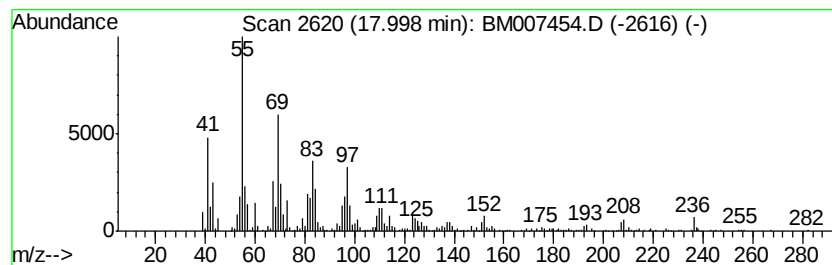
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 cis-9-Hexadecenoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.49 ng/ul	633371	Phenanthrene-d10	17.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	99
2		Palmitoleic acid	254	C16H30O2	000373-49-9	94
3		9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	90
4		Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	90
5		Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	87



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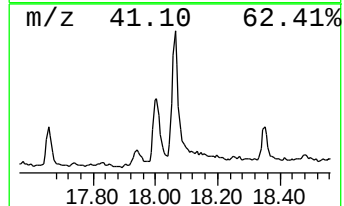
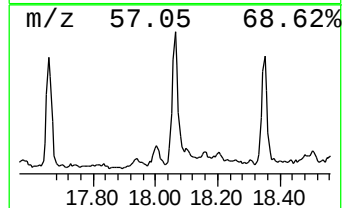
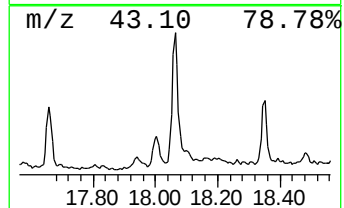
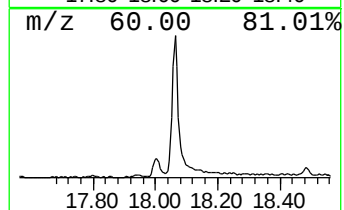
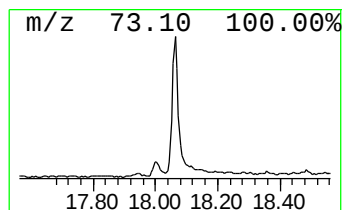
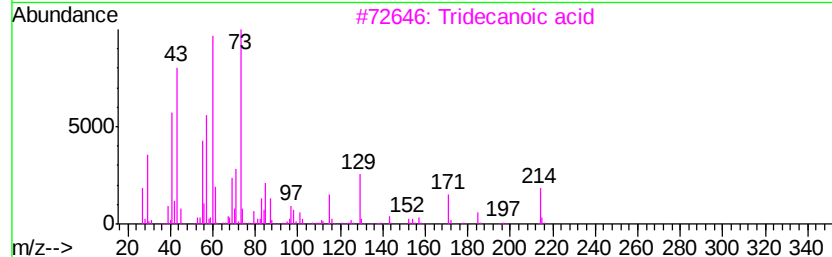
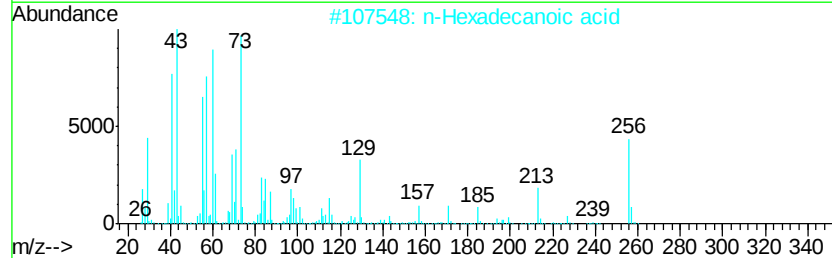
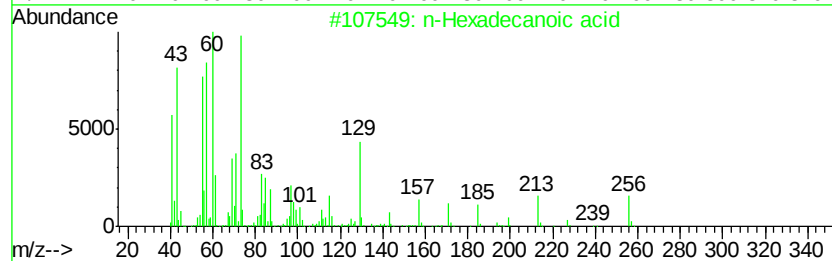
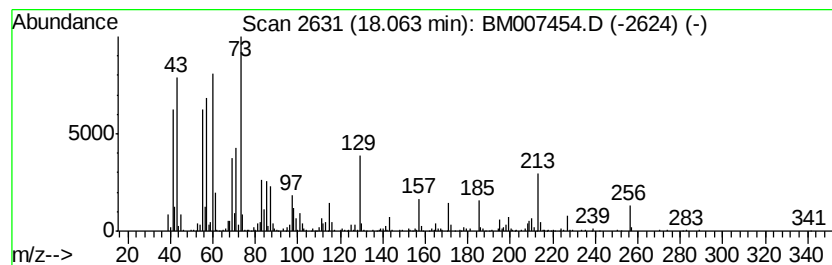
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.16 ng/ul	1313030	Phenanthrene-d10	17.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89	
4	n-Decanoic acid	172	C10H20O2	000334-48-5	81	
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007454.D
Acq On : 08 Sep 2016 00:18
Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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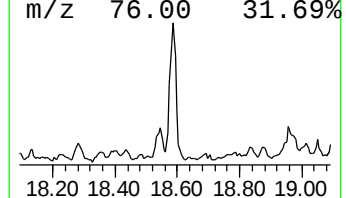
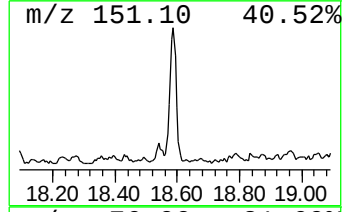
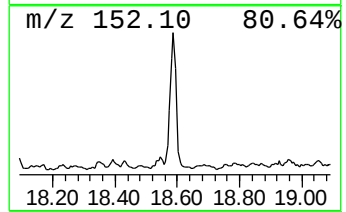
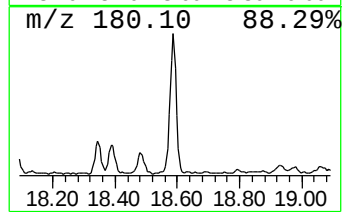
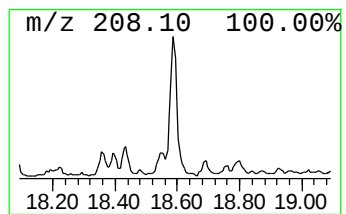
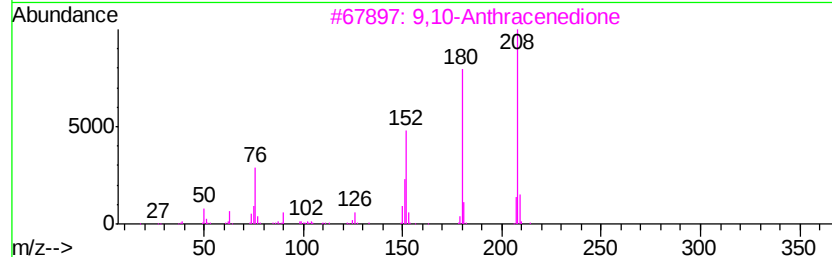
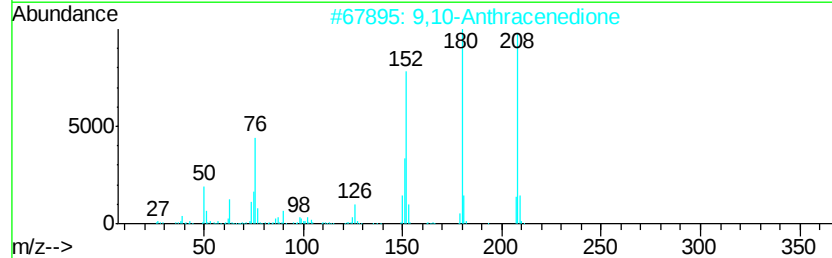
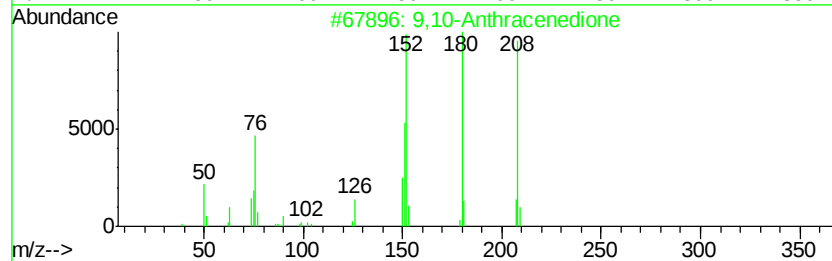
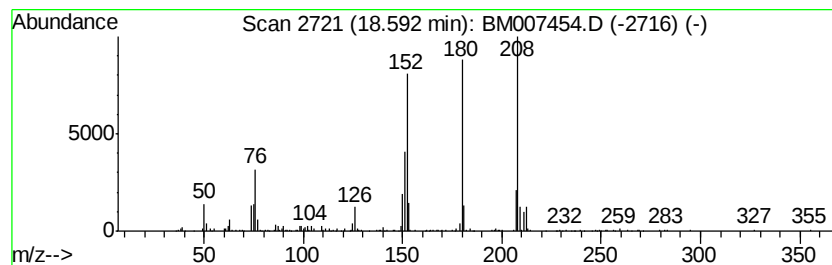
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.10 ng/ul	534698	Phenanthrene-d10	17.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione		208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione		208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007454.D
Acq On : 08 Sep 2016 00:18
Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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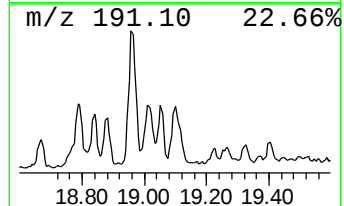
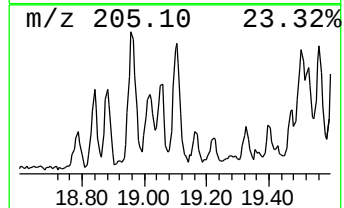
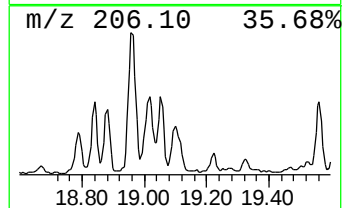
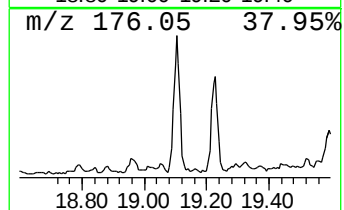
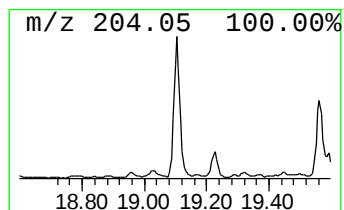
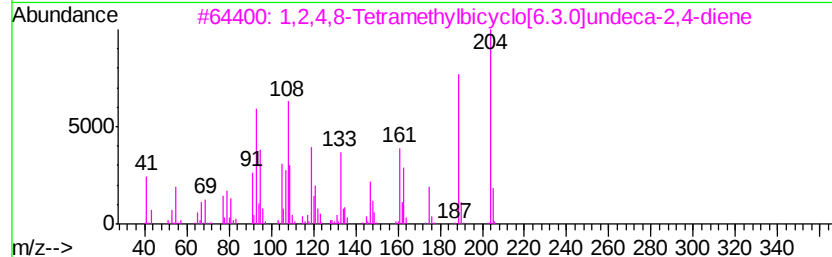
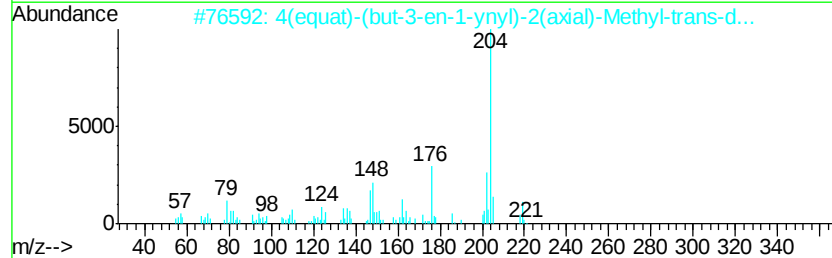
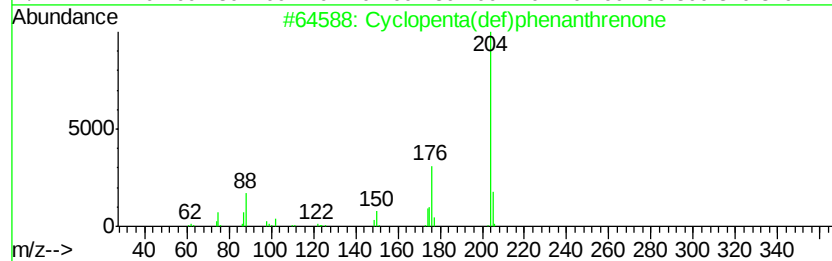
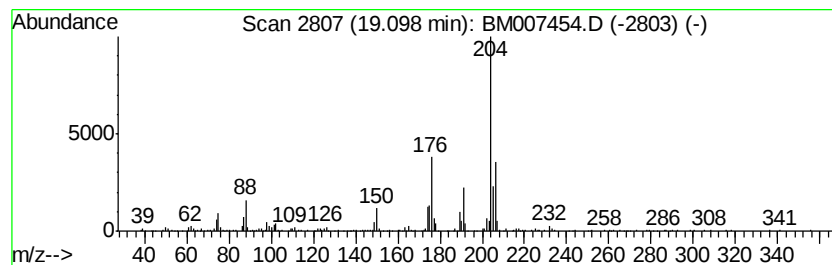
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.28 ng/ul	579960	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007454.D
Acq On : 08 Sep 2016 00:18
Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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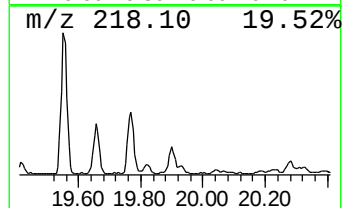
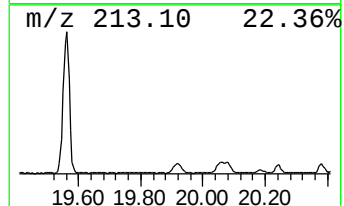
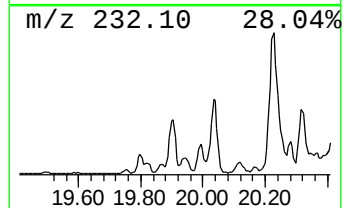
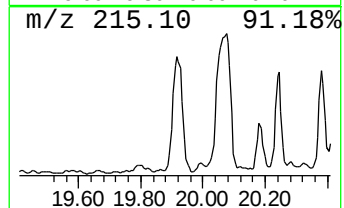
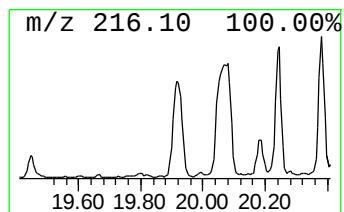
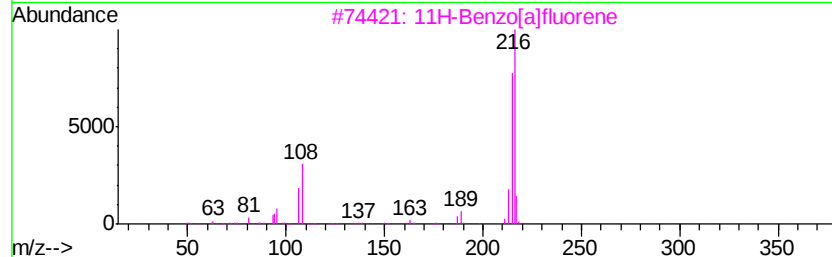
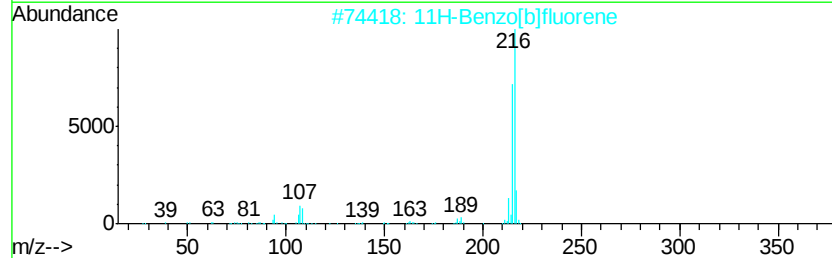
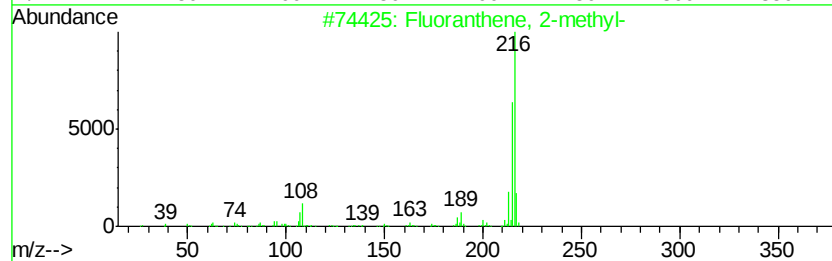
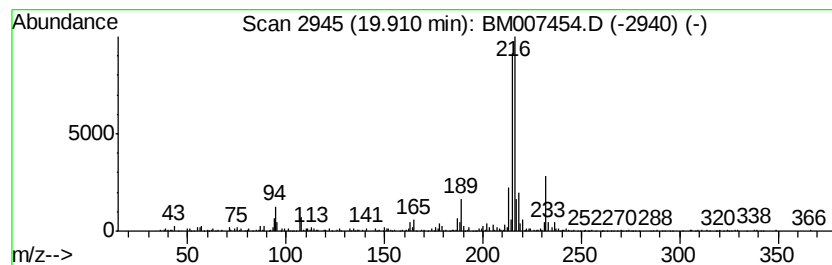
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.01 ng/ul	1034830	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007454.D
Acq On : 08 Sep 2016 00:18
Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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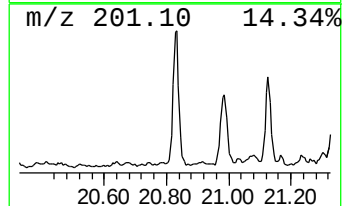
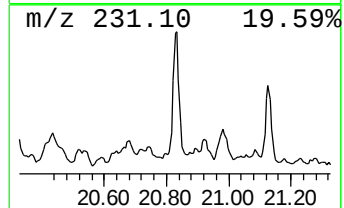
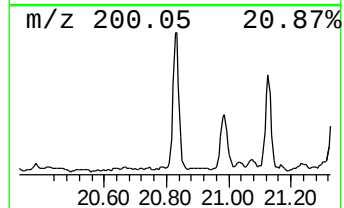
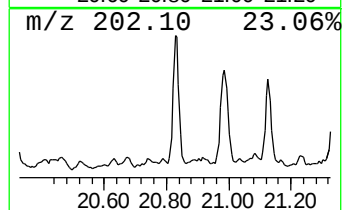
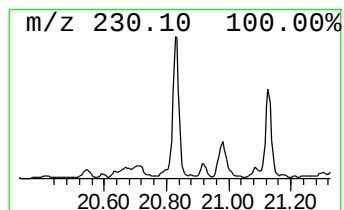
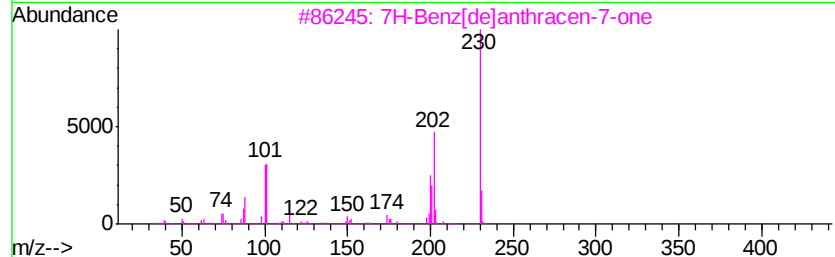
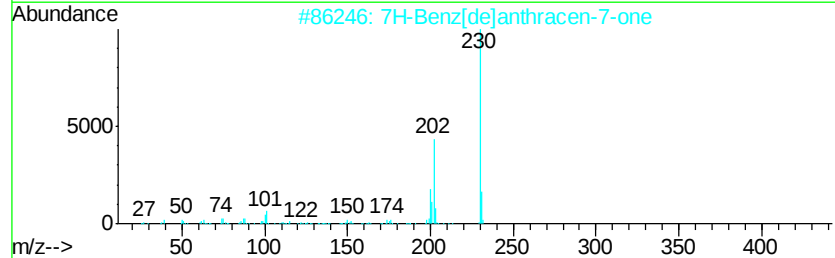
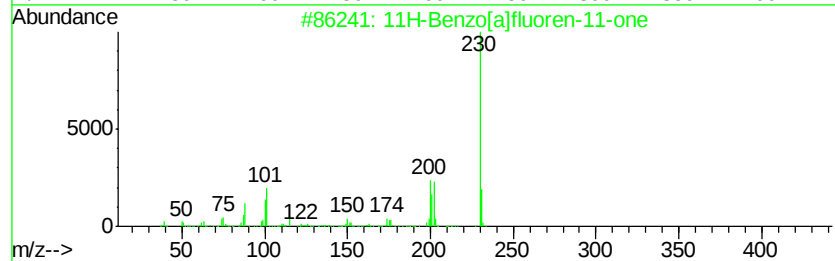
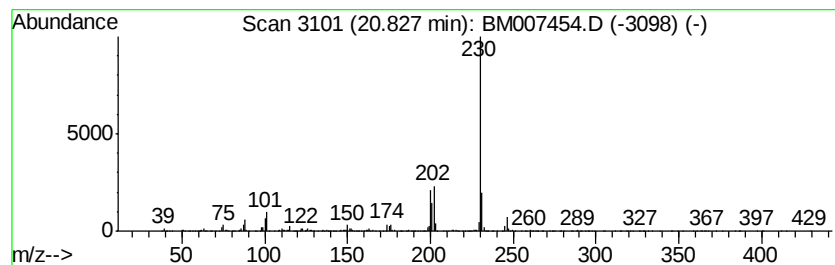
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.50 ng/ul	1284500	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

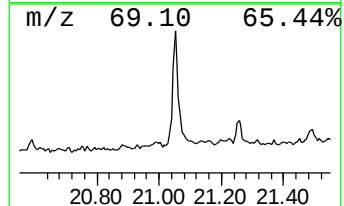
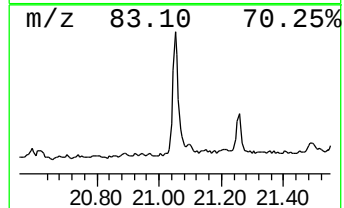
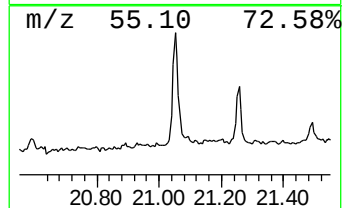
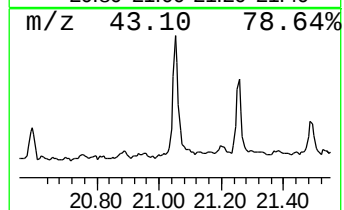
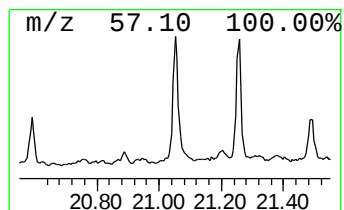
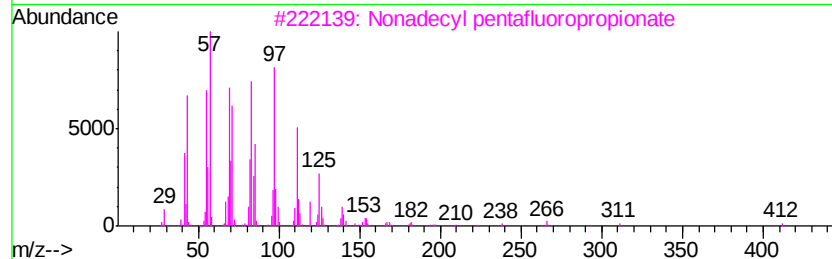
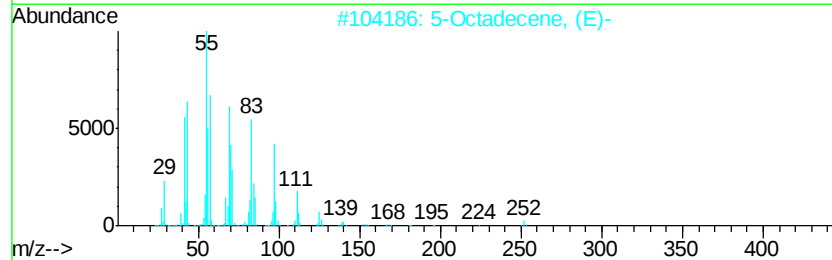
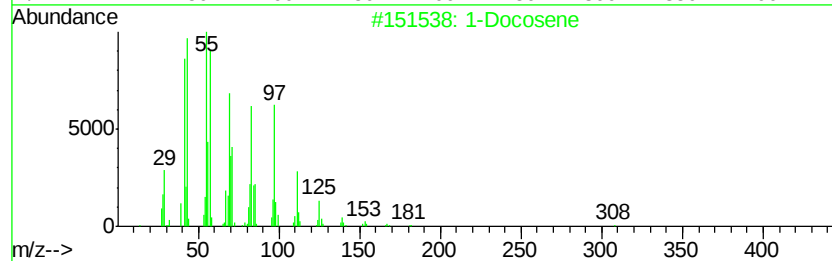
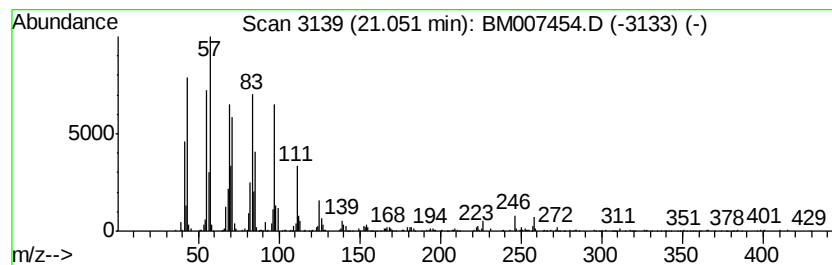
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Cyclic21.05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.05	4.05 ng/ul	2085400	Chrysene-d12	21.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene		308	C22H44	001599-67-3	96
2	5-Octadecene, (E)-		252	C18H36	007206-21-5	94
3	Nonadecyl pentafluoropropionate		430	C22H39F5O2	1000351-88-8	91
4	1-Dodecanol, 2-hexyl-		270	C18H38O	110225-00-8	76
5	17-Pentatriacontene		491	C35H70	006971-40-0	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Acq On : 08 Sep 2016 00:18
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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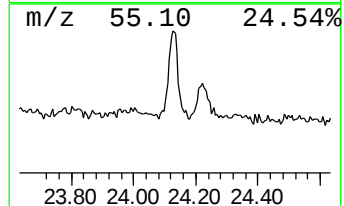
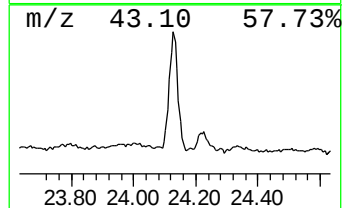
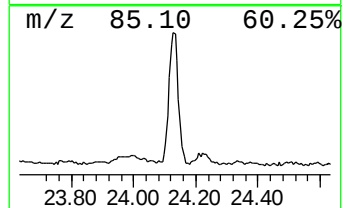
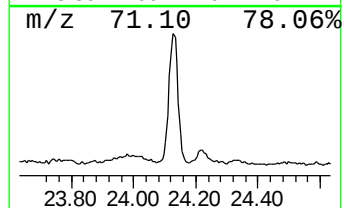
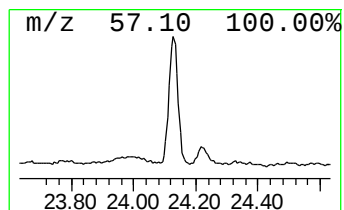
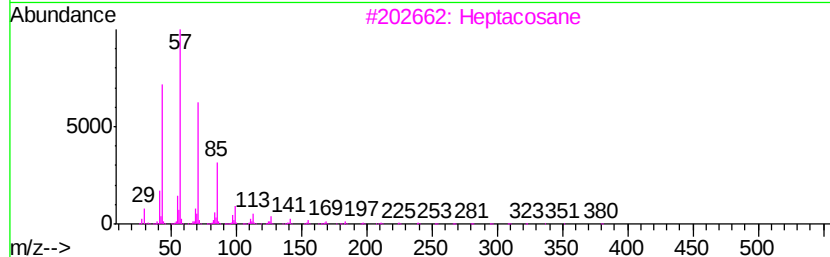
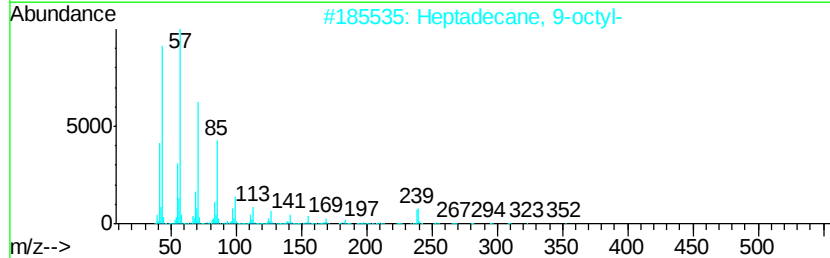
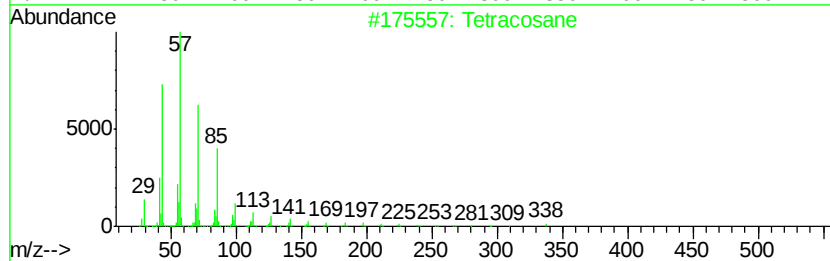
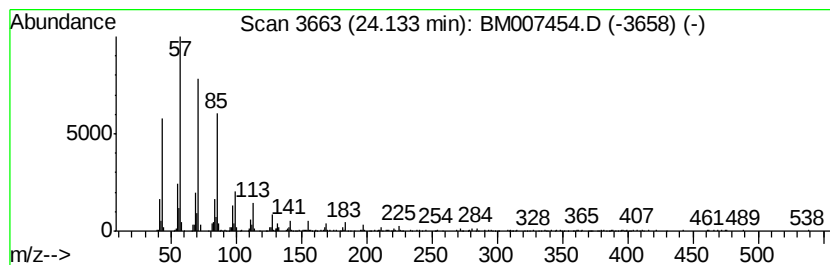
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	5.48 ng/ul	1284300	Perylene-d12	23.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	95
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
3			Heptacosane	380	C27H56	000593-49-7	94
4			Tetracosane	338	C24H50	000646-31-1	94
5			Tetracosane	338	C24H50	000646-31-1	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007454.D
Acq On : 08 Sep 2016 00:18
Operator : UM/SJ
Sample : H4666-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3B1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
(DEL) Alkane: Str...	16.13	2.0	ng/ul	522416	4	17.17	5085070	20.0
1-Dodecanol, 2-he...	16.93	8.6	ng/ul	2190340	4	17.17	5085070	20.0
cis-9-Hexadeceno...	18.00	2.5	ng/ul	633371	4	17.17	5085070	20.0
n-Hexadecanoic acid	18.06	5.2	ng/ul	1313030	4	17.17	5085070	20.0
9,10-Anthracenedione	18.59	2.1	ng/ul	534698	4	17.17	5085070	20.0
Cyclopenta(def)ph...	19.10	2.3	ng/ul	579960	4	17.17	5085070	20.0
Fluoranthene, 2-m...	19.91	2.0	ng/ul	1034830	5	21.35	10286500	20.0
11H-Benzo[a]fluor...	20.83	2.5	ng/ul	1284500	5	21.35	10286500	20.0
(DEL) Alkane: Cyc...	21.05	4.0	ng/ul	2085400	5	21.35	10286500	20.0
(DEL) Alkane: Str...	24.13	5.5	ng/ul	1284300	6	23.62	4688820	20.0