

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012478.D
 Acq On : 27 Oct 2017 09:42
 Operator : SJ/JU
 Sample : I5786-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-66(2.5-4.5) 101017

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-BM102417.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	3.699	99	104	113	rVB	268097	336953	1.76%	0.107%
2	4.093	165	171	186	rVB	4042024	5467016	28.53%	1.743%
3	5.399	386	393	399	rVB	441397	661403	3.45%	0.211%
4	5.528	409	415	426	rBV	3366461	7140658	37.26%	2.277%
5	5.899	471	478	487	rVB2	1433880	2137659	11.15%	0.682%
6	6.869	632	643	648	rBV3	156035	359023	1.87%	0.114%
7	6.969	656	660	664	rBV	250402	344165	1.80%	0.110%
8	7.040	664	672	680	rVV2	2714183	5680445	29.64%	1.811%
9	7.098	680	682	689	rVB	256332	341693	1.78%	0.109%
10	7.204	694	700	706	rVB	1852444	2847865	14.86%	0.908%
11	7.404	724	734	743	rBV	2423423	4065242	21.21%	1.296%
12	7.504	746	751	753	rBV	658227	1054338	5.50%	0.336%
13	7.804	792	802	805	rBV5	172018	425341	2.22%	0.136%
14	7.869	805	813	822	rVB	2041893	3623710	18.91%	1.155%
15	7.993	829	834	841	rBV2	172083	375126	1.96%	0.120%
16	8.428	901	908	913	rBV5	345022	721906	3.77%	0.230%
17	8.510	918	922	927	rBV3	176973	352000	1.84%	0.112%
18	8.575	927	933	939	rVB	2980418	4544951	23.72%	1.449%
19	8.757	958	964	972	rVB5	320391	696412	3.63%	0.222%
20	8.975	990	1001	1004	rBV2	538386	1258497	6.57%	0.401%
21	9.028	1004	1010	1016	rVV	2271103	3828375	19.98%	1.221%
22	9.098	1018	1022	1027	rVB	529298	772499	4.03%	0.246%
23	9.228	1040	1044	1050	rVB3	238849	479894	2.50%	0.153%
24	9.345	1059	1064	1070	rVB6	159091	384769	2.01%	0.123%
25	9.745	1123	1132	1138	rBV	1992205	3548227	18.51%	1.131%
26	9.851	1144	1150	1158	rBV5	346407	633451	3.31%	0.202%
27	10.286	1215	1224	1233	rVB	3141506	5409803	28.23%	1.725%
28	10.663	1279	1288	1294	rBV	2837852	5235114	27.32%	1.669%
29	10.798	1304	1311	1316	rBV	1982354	3647368	19.03%	1.163%
30	11.692	1458	1463	1467	rBV	227889	377459	1.97%	0.120%
31	11.975	1504	1511	1517	rBV2	164137	356899	1.86%	0.114%
32	13.910	1830	1840	1844	rBV	5814670	8015270	41.82%	2.555%
33	13.957	1844	1848	1858	rVB	4294436	5668071	29.58%	1.807%
34	14.192	1882	1888	1898	rVB	6485468	9628911	50.24%	3.070%

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35	14.504	1932	1941	1947	rBV2	4127703	6434030	33.57%	2.051%
36	14.692	1967	1973	1985	rBV	694290	1155244	6.03%	0.368%
37	14.916	2004	2011	2016	rVB2	208605	413530	2.16%	0.132%
38	15.321	2069	2080	2083	rBV3	162087	323937	1.69%	0.103%
39	15.492	2102	2109	2115	rBV	8531603	11594227	60.50%	3.696%
40	15.545	2115	2118	2122	rVV2	340268	443195	2.31%	0.141%
41	15.604	2123	2128	2134	rVB	569287	768693	4.01%	0.245%
42	15.857	2164	2171	2178	rVB2	663535	1048932	5.47%	0.334%
43	16.216	2228	2232	2240	rVB2	212333	376441	1.96%	0.120%
44	16.651	2301	2306	2311	rBV	852744	1118581	5.84%	0.357%
45	17.004	2357	2366	2371	rVV7	212695	603546	3.15%	0.192%
46	17.063	2372	2376	2384	rVB	287039	468415	2.44%	0.149%
47	17.239	2400	2406	2410	rBV2	5119917	7487027	39.07%	2.387%
48	17.280	2410	2413	2418	rVB	3301650	4531670	23.65%	1.445%
49	17.339	2418	2423	2428	rBV2	8429840	12008016	62.66%	3.828%
50	17.433	2434	2439	2445	rBV3	148913	306620	1.60%	0.098%
51	17.639	2469	2474	2478	rBV2	171150	305869	1.60%	0.098%
52	18.145	2555	2560	2566	rVB2	3875496	5830309	30.42%	1.859%
53	18.209	2566	2571	2575	rVV	16060762	19164867	100.00%	6.110%
54	18.251	2575	2578	2582	rVB2	636824	785697	4.10%	0.250%
55	18.310	2583	2588	2592	rVV2	913121	1629473	8.50%	0.519%
56	18.345	2592	2594	2600	rVB	567382	652857	3.41%	0.208%
57	18.574	2630	2633	2636	rBV2	431391	543807	2.84%	0.173%
58	18.615	2636	2640	2644	rVV	567625	701177	3.66%	0.224%
59	18.651	2644	2646	2654	rVB2	253699	324922	1.70%	0.104%
60	18.733	2657	2660	2668	rVB5	277314	445642	2.33%	0.142%
61	18.862	2678	2682	2686	rVB2	662576	837429	4.37%	0.267%
62	18.921	2686	2692	2700	rVB	5951243	9668182	50.45%	3.082%
63	19.033	2707	2711	2714	rBV	437772	640849	3.34%	0.204%
64	19.292	2750	2755	2761	rVB	8479122	10946253	57.12%	3.490%
65	19.351	2762	2765	2769	rVB2	1212742	1509565	7.88%	0.481%
66	19.415	2772	2776	2784	rVB2	1773759	2328146	12.15%	0.742%
67	19.627	2806	2812	2815	rBV	10220690	15139075	78.99%	4.826%
68	19.656	2815	2817	2825	rVV	7399110	8738660	45.60%	2.786%
69	19.727	2826	2829	2835	rVB2	436065	733621	3.83%	0.234%
70	19.974	2867	2871	2876	rBV4	464144	1122489	5.86%	0.358%
71	20.074	2884	2888	2890	rBV	1119844	1299350	6.78%	0.414%

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72	20.104	2890	2893	2896	rVV2	628666	917729	4.79%	0.293%
73	20.151	2897	2901	2904	rVB	916332	1257520	6.56%	0.401%
74	20.251	2914	2918	2921	rVB	794690	1035441	5.40%	0.330%
75	20.303	2922	2927	2932	rBV2	624537	1244182	6.49%	0.397%
76	20.445	2949	2951	2953	rBV	380672	357929	1.87%	0.114%
77	20.480	2954	2957	2963	rVV2	711757	1325549	6.92%	0.423%
78	20.551	2966	2969	2974	rVV	2414514	2876046	15.01%	0.917%
79	20.603	2976	2978	2984	rVB	800992	990785	5.17%	0.316%
80	21.098	3059	3062	3064	rBV	1048618	1172526	6.12%	0.374%
81	21.127	3064	3067	3074	rVB3	1542622	2470792	12.89%	0.788%
82	21.409	3109	3115	3119	rBV3	6358514	12111749	63.20%	3.861%
83	21.445	3119	3121	3132	rVB	3568944	5085643	26.54%	1.621%
84	21.568	3139	3142	3146	rBV2	830410	1057108	5.52%	0.337%
85	21.721	3164	3168	3174	rVB4	980834	1779879	9.29%	0.567%
86	21.803	3179	3182	3190	rVB	1722099	2114398	11.03%	0.674%
87	21.927	3199	3203	3205	rBV2	2303059	2781080	14.51%	0.887%
88	21.956	3205	3208	3216	rVB2	2138661	2947147	15.38%	0.940%
89	22.027	3217	3220	3224	rVB3	863241	1103618	5.76%	0.352%
90	22.080	3224	3229	3233	rBV2	4224607	6073021	31.69%	1.936%
91	22.168	3241	3244	3248	rBV2	989803	1410730	7.36%	0.450%
92	22.239	3252	3256	3259	rVV3	3163781	4517790	23.57%	1.440%
93	22.268	3259	3261	3269	rVB2	1633549	2249319	11.74%	0.717%
94	22.403	3281	3284	3287	rBV2	1083128	1548148	8.08%	0.494%
95	22.439	3287	3290	3296	rVB3	1438027	2298151	11.99%	0.733%
96	23.021	3384	3389	3395	rBV	3269271	7446919	38.86%	2.374%
97	23.515	3469	3473	3477	rBV	1698628	2919794	15.24%	0.931%
98	23.574	3477	3483	3487	rVV2	4882023	9505157	49.60%	3.030%
99	23.615	3487	3490	3498	rVB	2988910	4978576	25.98%	1.587%
100	23.715	3502	3507	3512	rBV	2912040	5238742	27.34%	1.670%

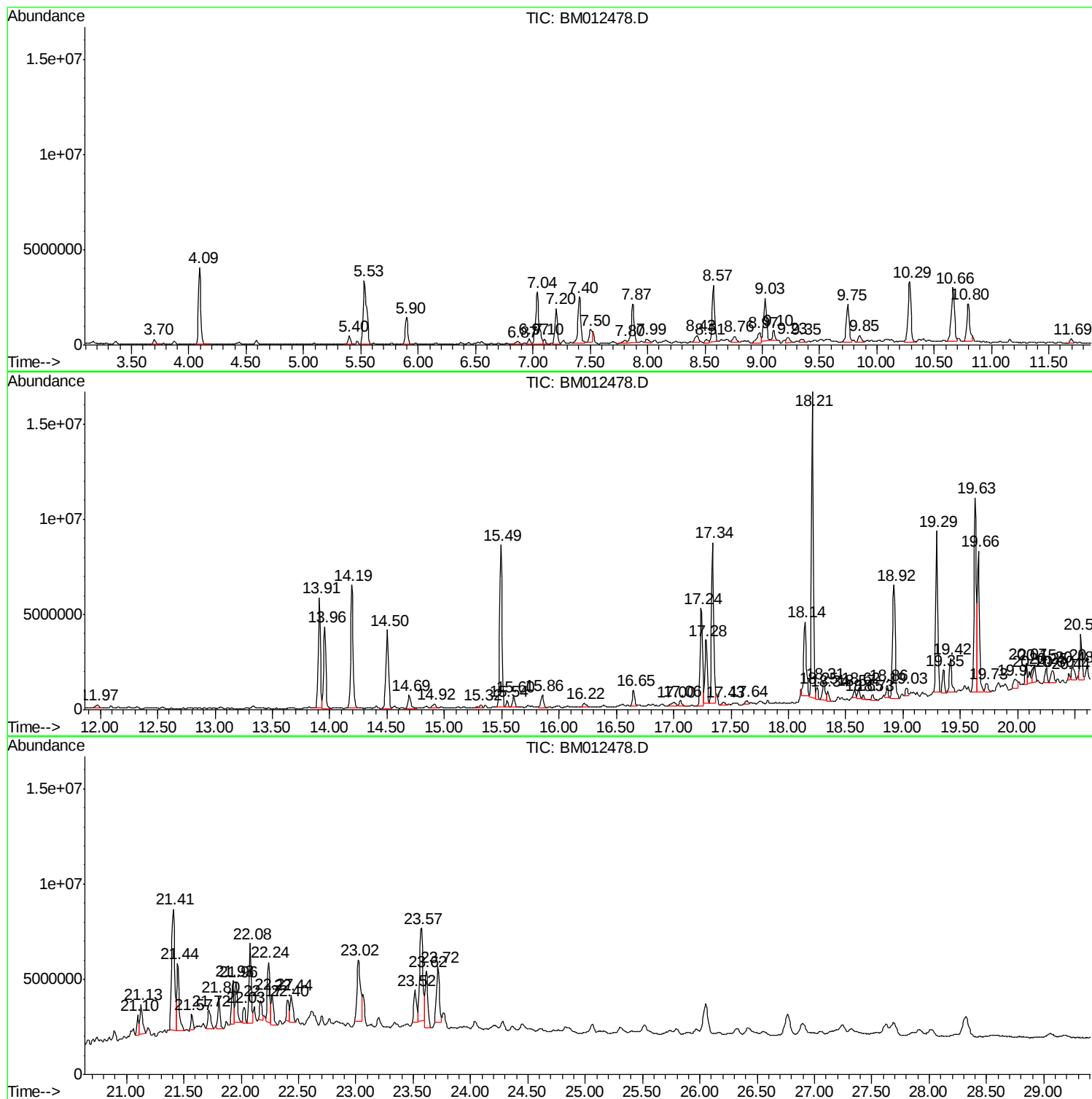
Sum of corrected areas: 313666324

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



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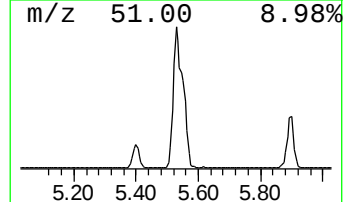
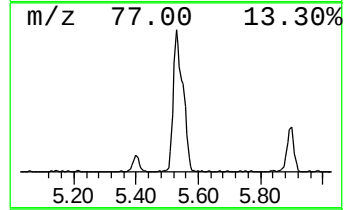
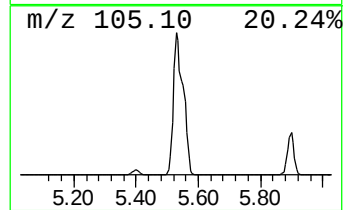
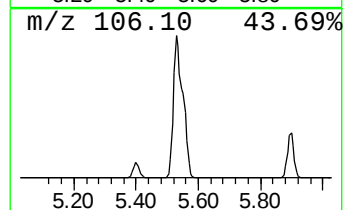
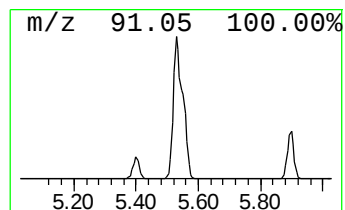
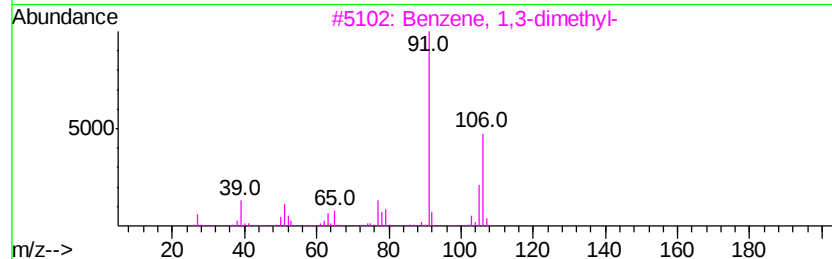
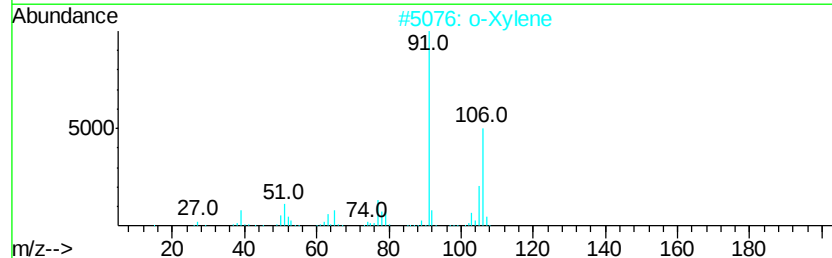
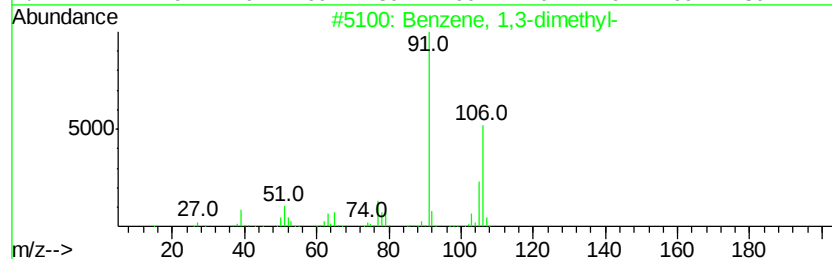
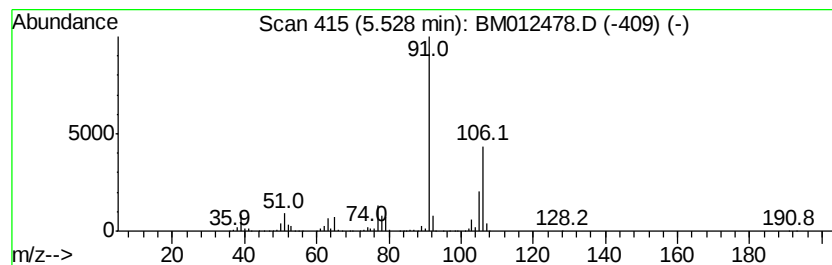
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	39.41 ng/ul	7140660	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2		o-Xylene	106	C8H10	000095-47-6	97
3		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4		p-Xylene	106	C8H10	000106-42-3	97
5		Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95



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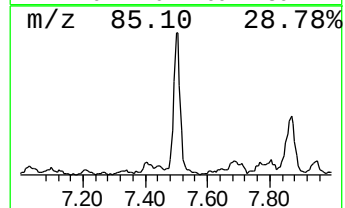
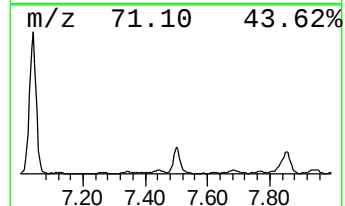
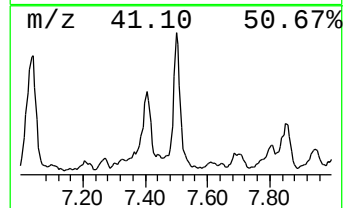
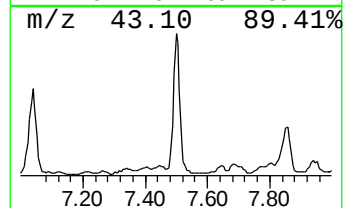
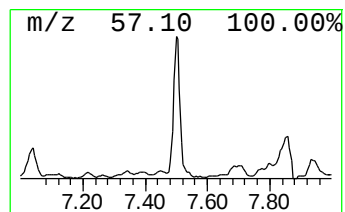
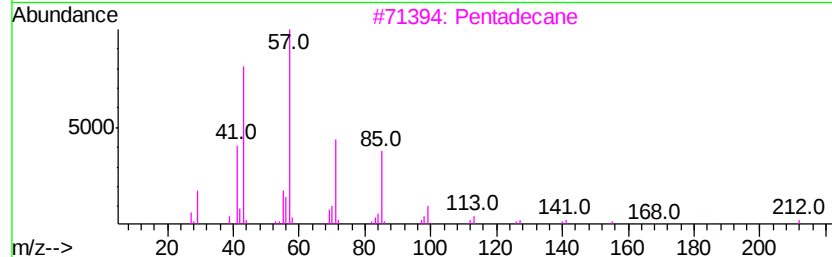
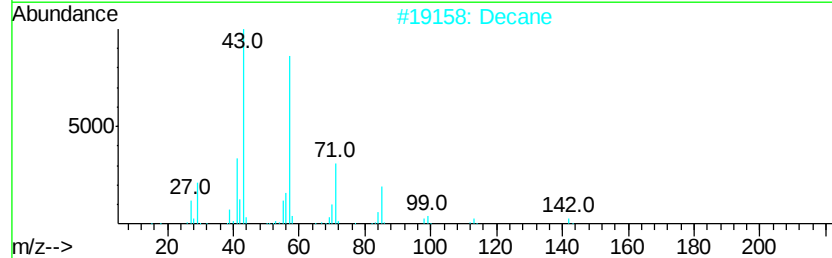
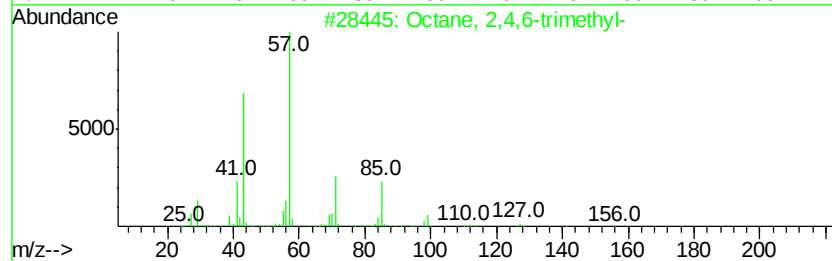
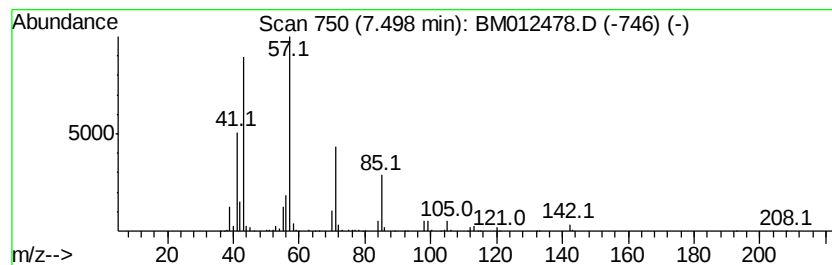
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 Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	5.82 ng/ul	1054340	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
2		Decane	142	C10H22	000124-18-5	60
3		Pentadecane	212	C15H32	000629-62-9	59
4		Hexadecane	226	C16H34	000544-76-3	59
5		Tridecane	184	C13H28	000629-50-5	59



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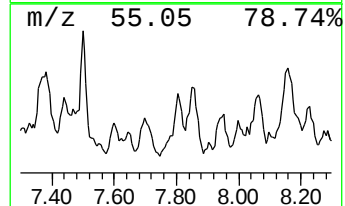
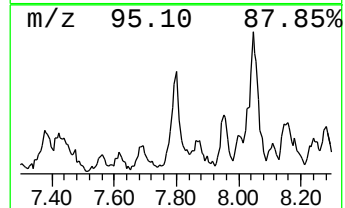
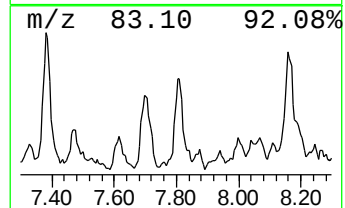
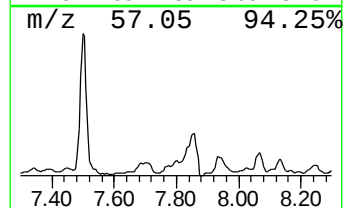
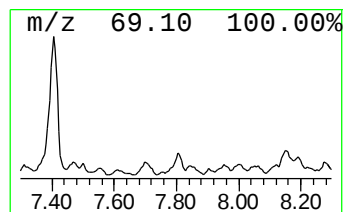
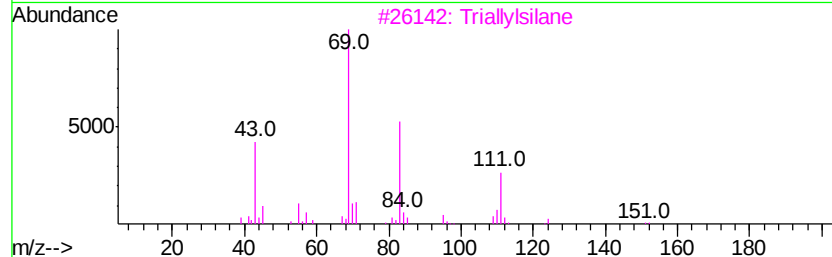
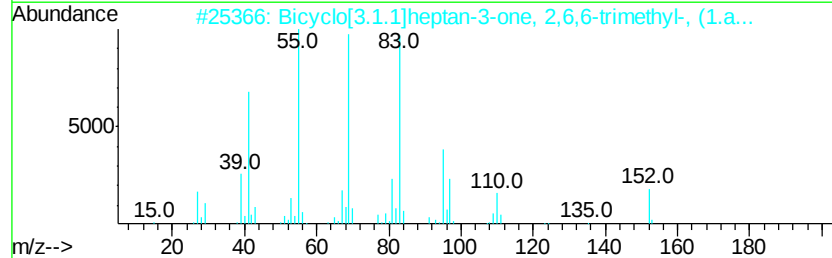
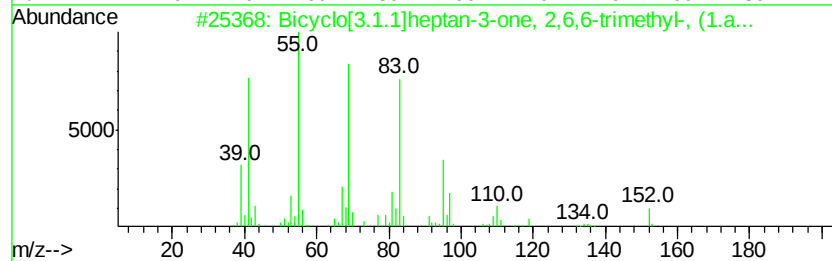
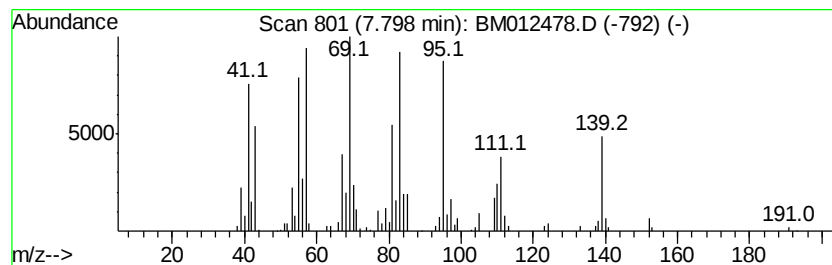
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Peak Number 6 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.80	2.35 ng/ul	425341	1,4-Dichlorobenzene-d4	7.87		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicvclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	68
2		Bicvclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	64
3		Triallvlsilane	152	C9H16Si	001116-62-7	53
4		2(1H)Pvrimidinone,4-amino-1,N-di...	139	C6H9N3O	006220-49-1	25
5		Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	25



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Data File : BM012478.D
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Operator : SJ/JU
Sample : I5786-14
Misc :
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Instrument :
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ClientSampleId :
B-66(2.5-4.5) 101017

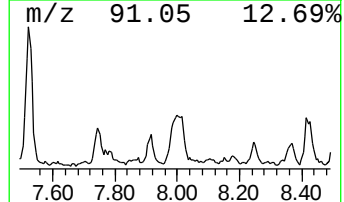
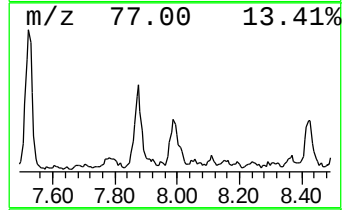
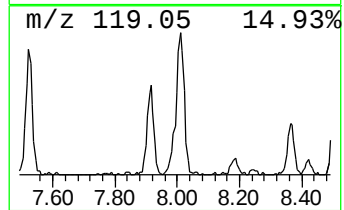
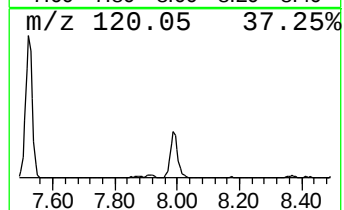
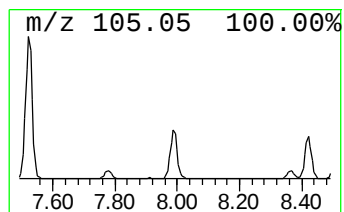
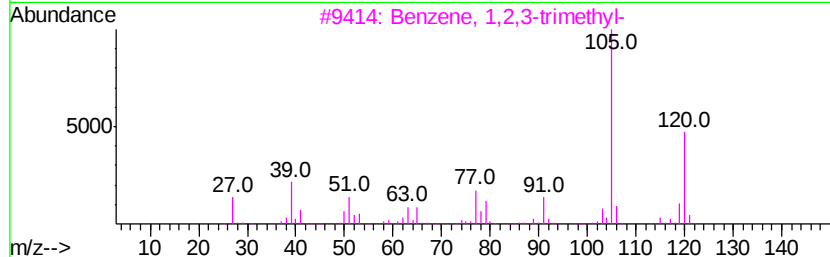
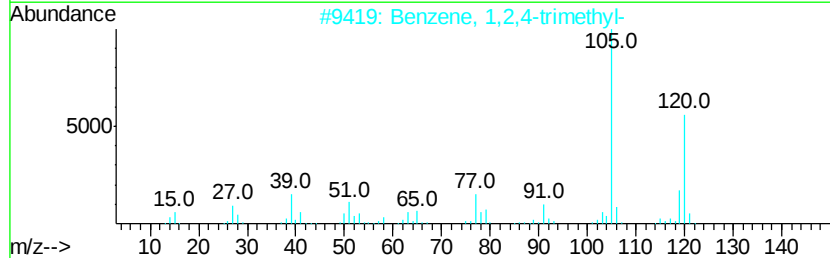
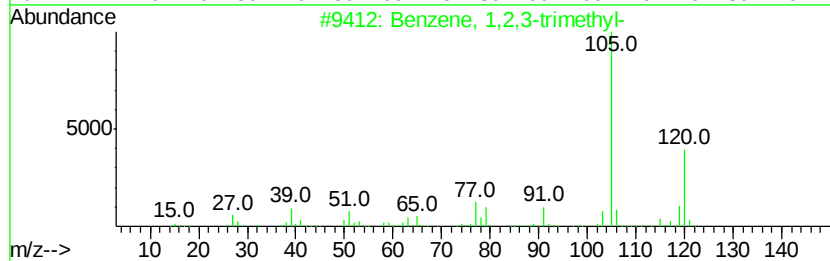
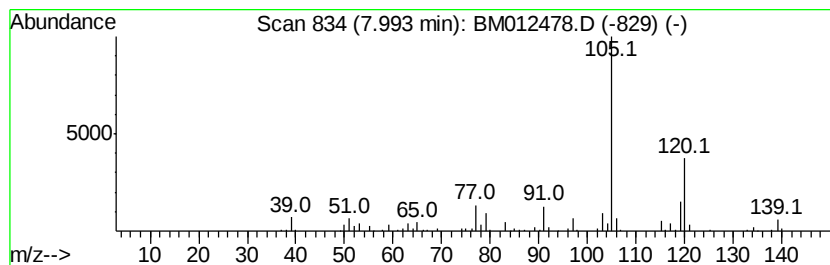
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.07 ng/ul	375126	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5		Mesitylene	120	C9H12	000108-67-8	81



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B-66(2.5-4.5) 101017

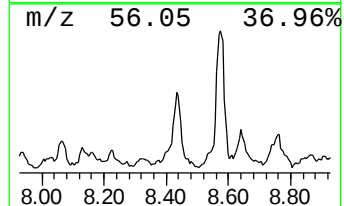
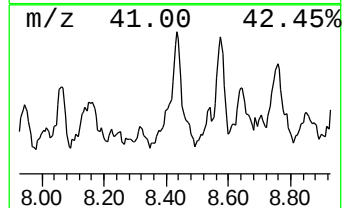
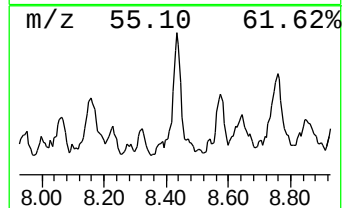
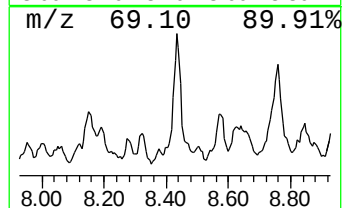
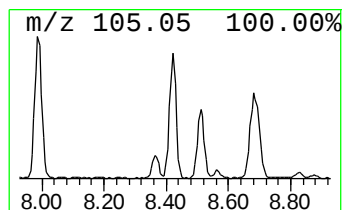
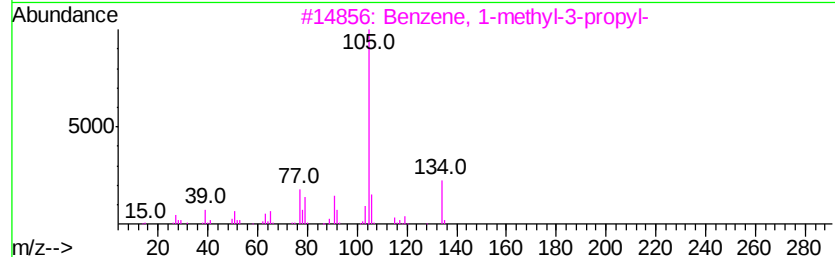
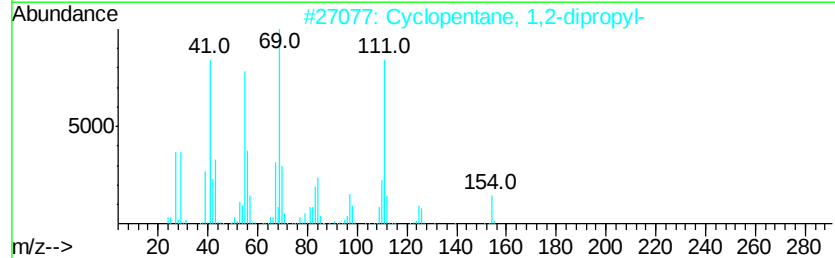
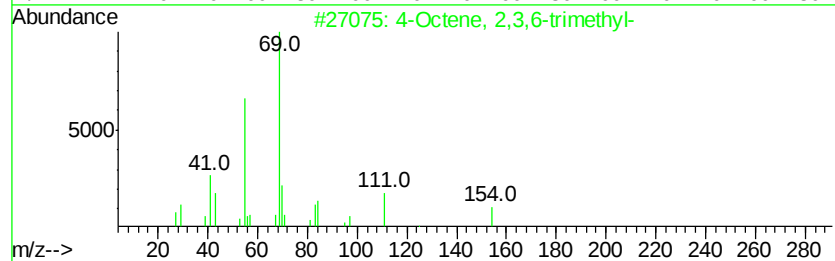
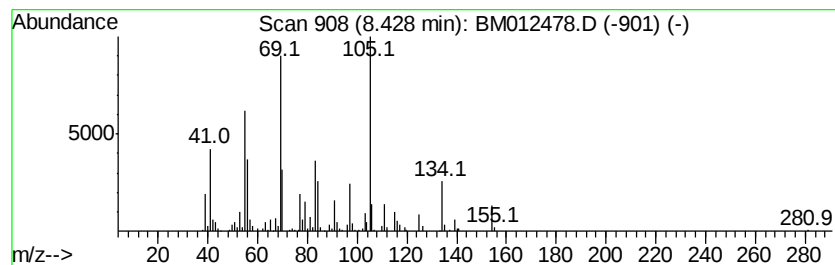
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic8.43 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	3.98 ng/ul	721906	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	46
2		Cyclopentane, 1,2-dipropyl-	154	C11H22	091242-57-8	46
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	44
4		Pentane, 3-methylene-	84	C6H12	000760-21-4	41
5		1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	30



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B-66(2.5-4.5) 101017

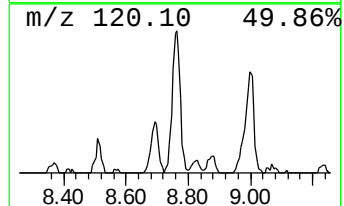
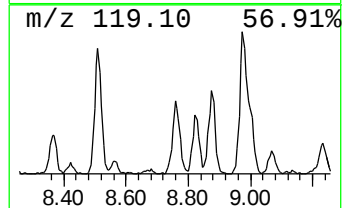
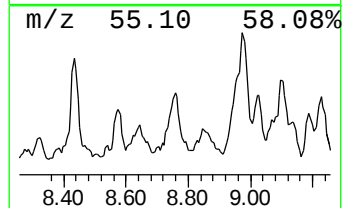
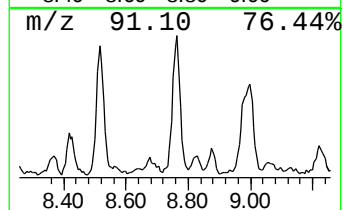
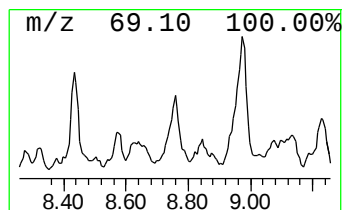
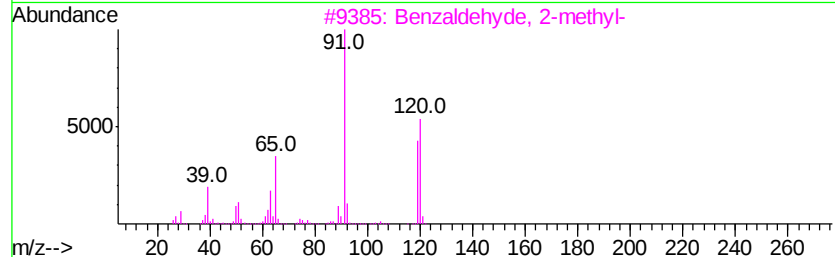
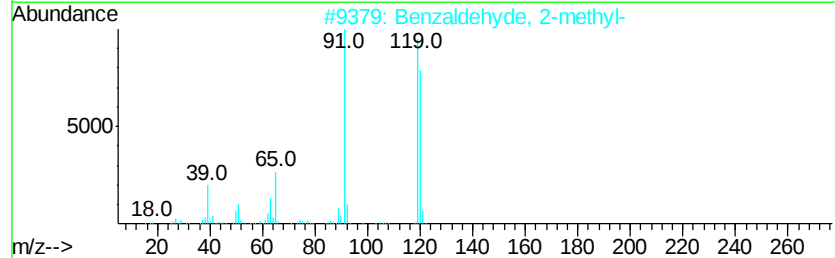
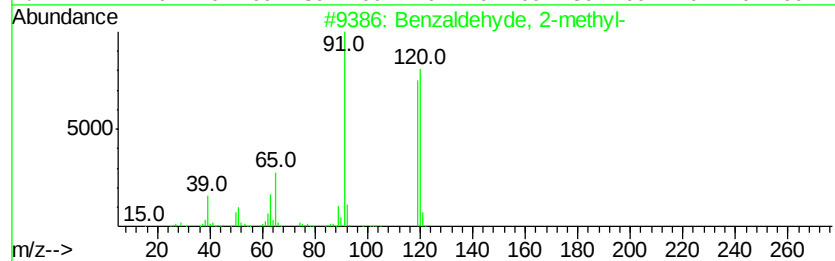
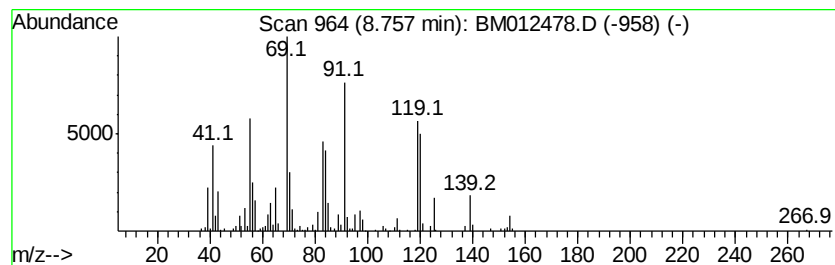
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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzaldehyde, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	3.84 ng/ul	696412	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehydve, 2-methyl-	120	C8H8O	000529-20-4	66
2		Benzaldehydve, 2-methyl-	120	C8H8O	000529-20-4	62
3		Benzaldehydve, 2-methyl-	120	C8H8O	000529-20-4	62
4		Benzaldehydve, 3-methyl-	120	C8H8O	000620-23-5	62
5		Benzaldehydve, 4-methyl-	120	C8H8O	000104-87-0	43



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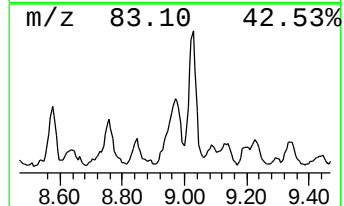
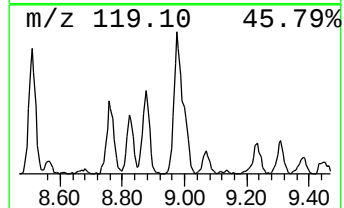
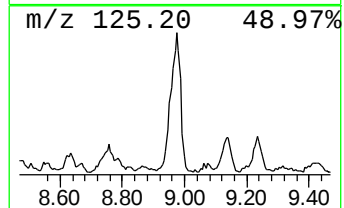
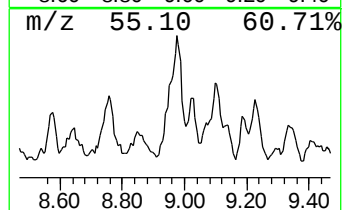
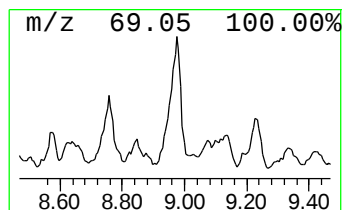
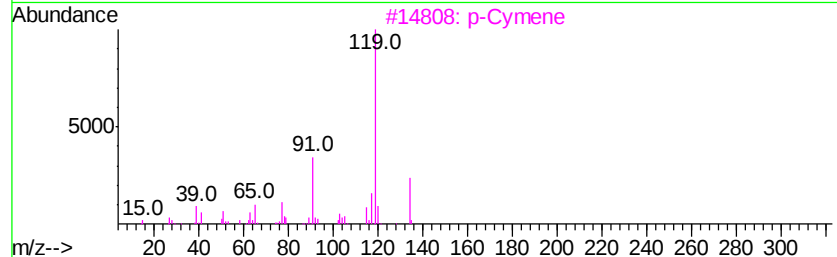
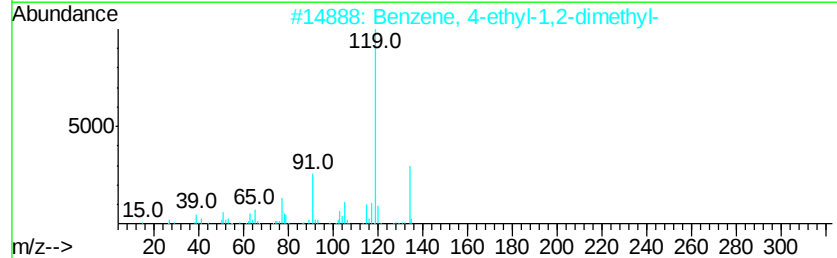
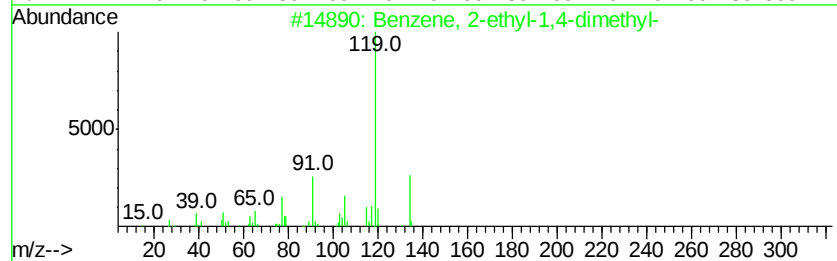
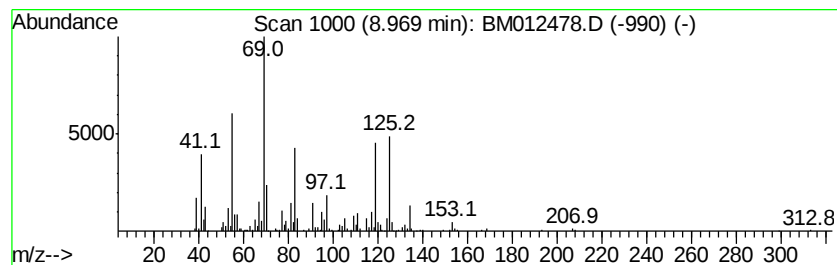
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TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	6.95 ng/ul	1258500	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	25
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	25
3			p-Cymene	134	C10H14	000099-87-6	25
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	25
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	25



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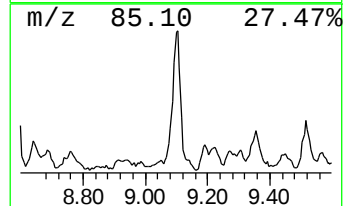
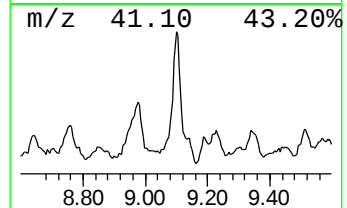
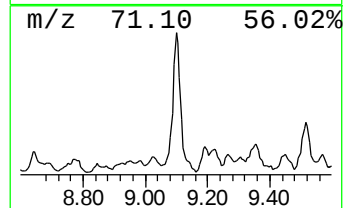
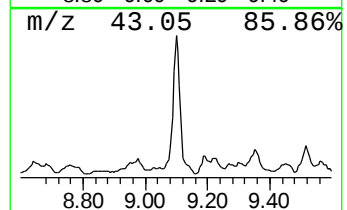
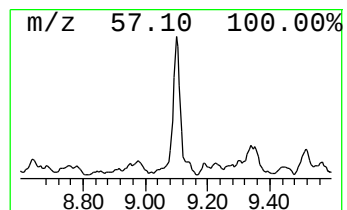
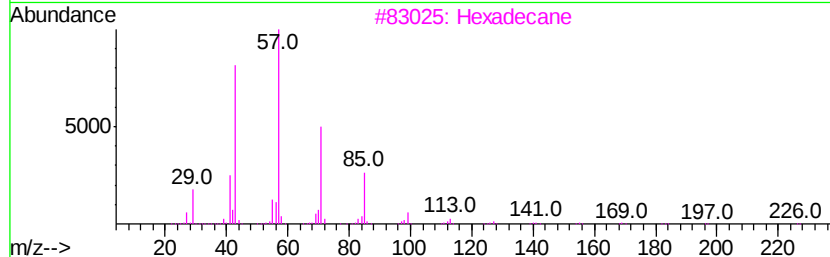
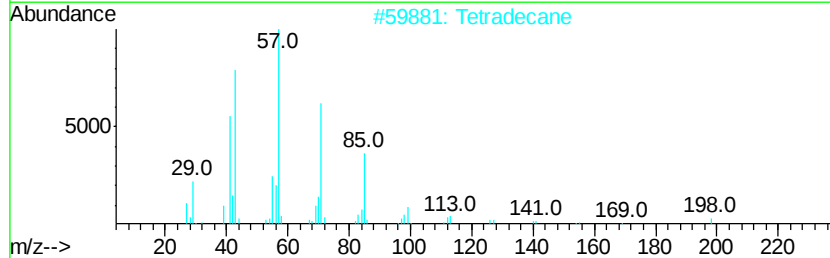
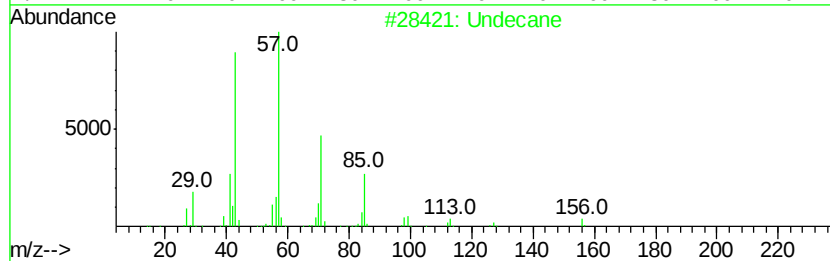
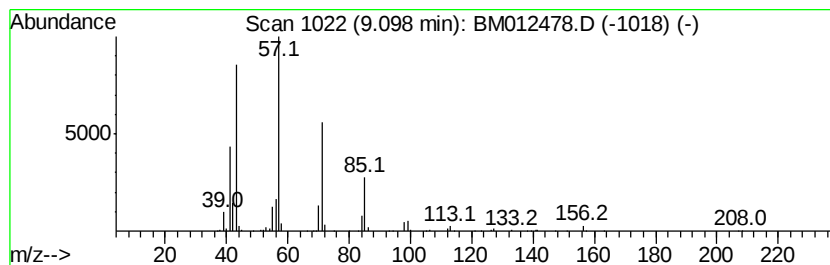
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TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	4.26 ng/ul	772499	1,4-Dichlorobenzene-d4	7.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane	156	C11H24	001120-21-4	91
2			Tetradecane	198	C14H30	000629-59-4	90
3			Hexadecane	226	C16H34	000544-76-3	83
4			Hexadecane	226	C16H34	000544-76-3	83
5			Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	78



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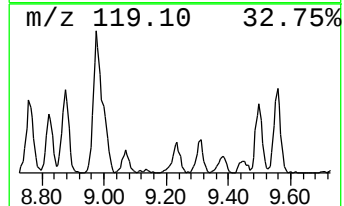
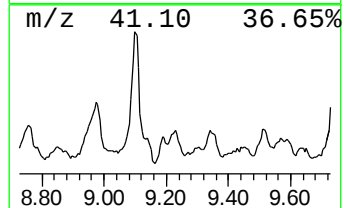
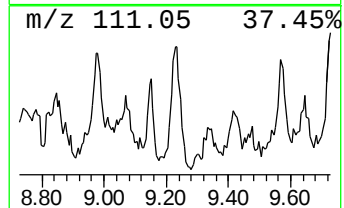
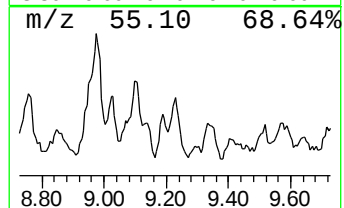
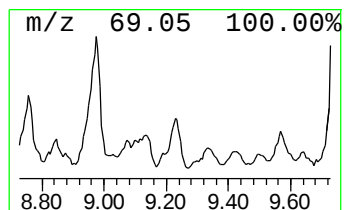
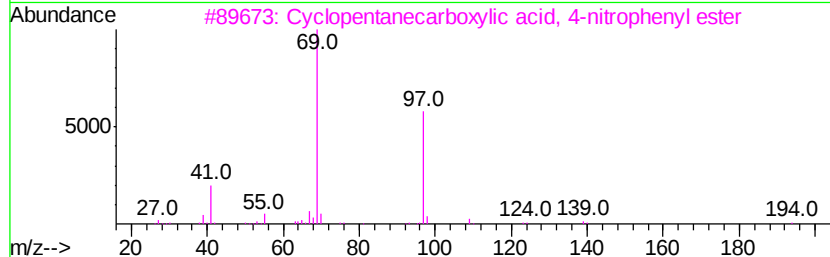
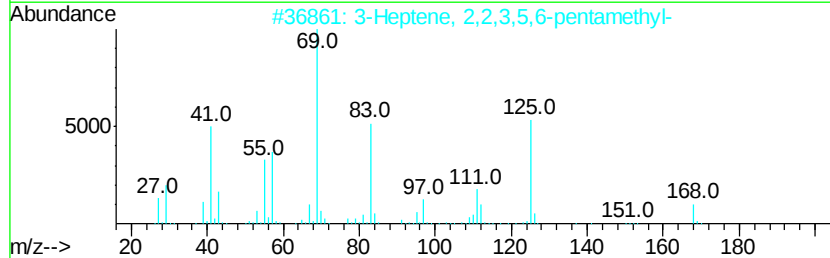
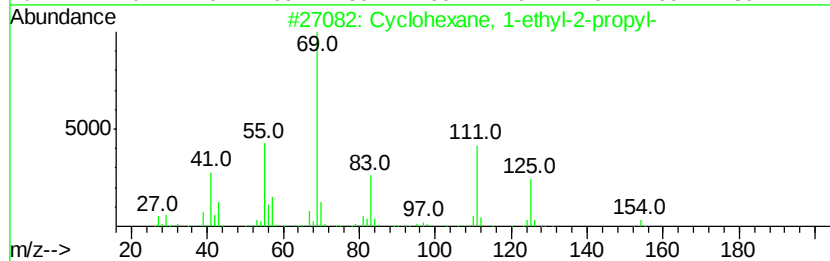
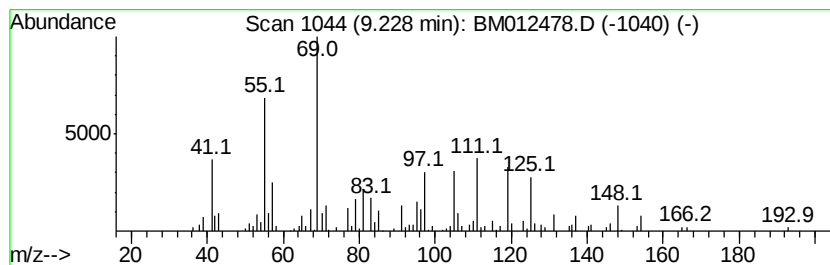
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TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Cyclic9.23 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	2.65 ng/ul	479894	1,4-Dichlorobenzene-d4	7.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	49
2		3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	37
3		Cyclopentanecarboxylic acid, 4-n...	235	C12H13NO4	1000307-58-0	35
4		4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	35
5		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	35



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B-66(2.5-4.5) 101017

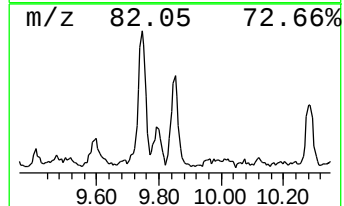
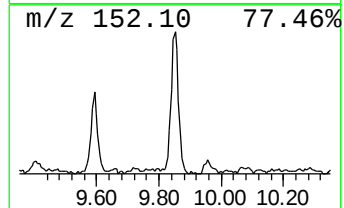
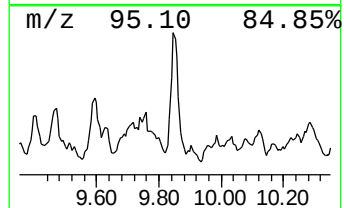
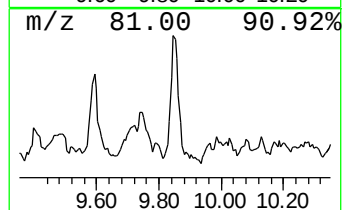
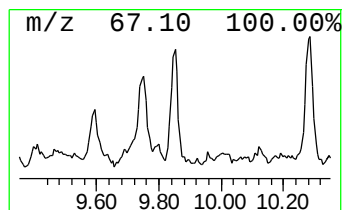
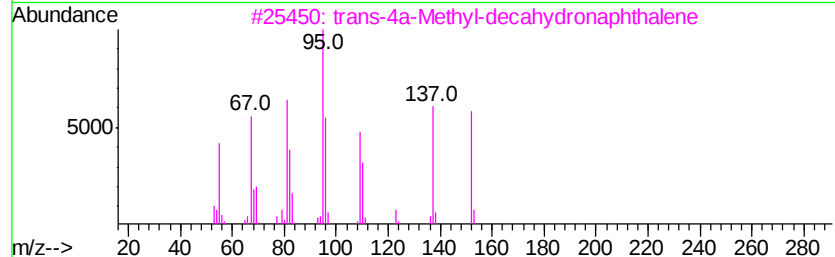
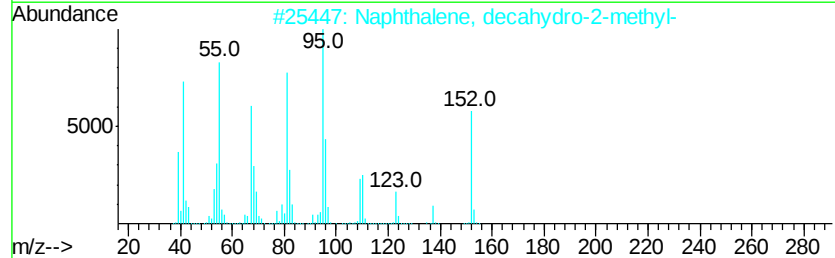
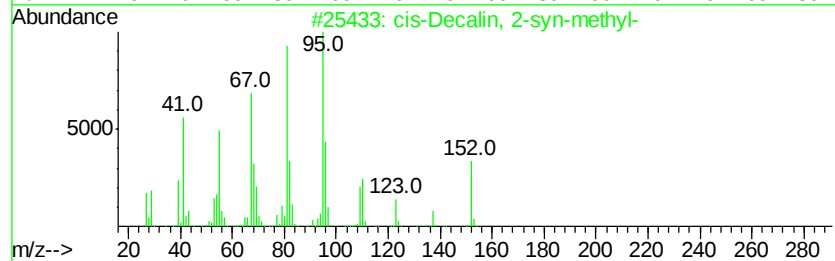
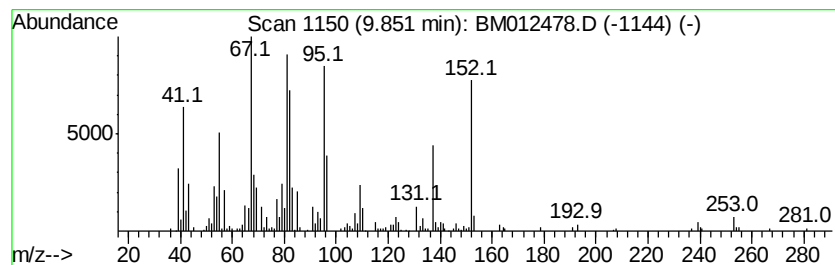
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 cis-Decalin, 2-syn-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	2.42 ng/ul	633451	Naphthalene-d8	10.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
3		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	68
4		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	62
5		1-Pentadecyne	208	C15H28	000765-13-9	55



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

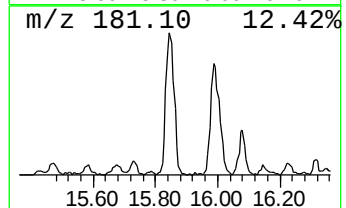
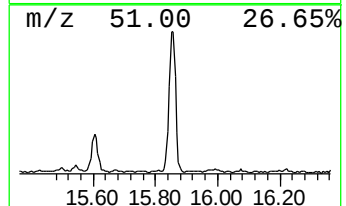
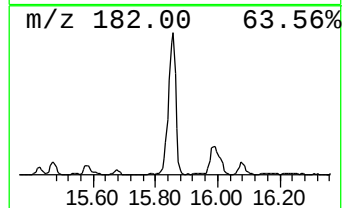
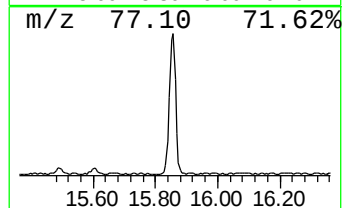
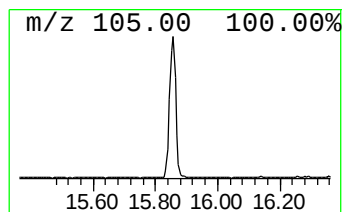
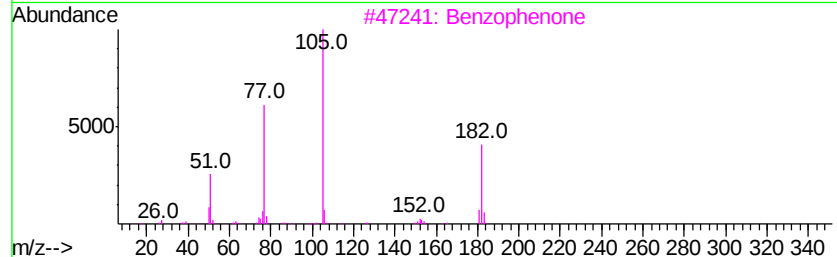
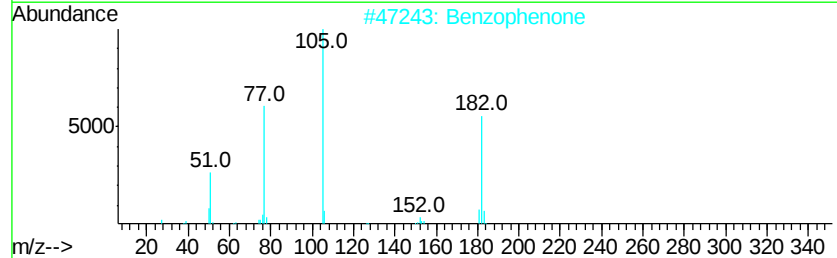
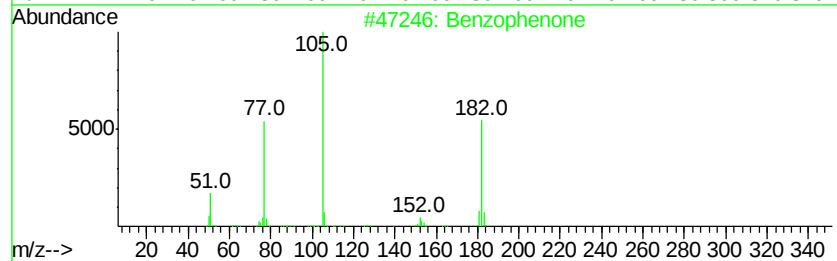
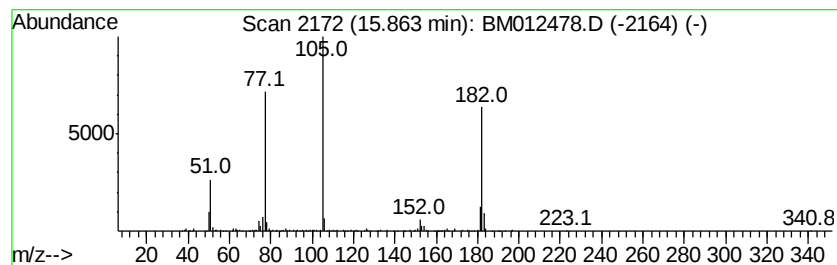
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Benzophenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	3.26 ng/ul	1048930	Acenaphthene-d10	14.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzophenone	182	C13H10O	000119-61-9	96
3			Benzophenone	182	C13H10O	000119-61-9	95
4			Benzophenone	182	C13H10O	000119-61-9	91
5			Azobenzene	182	C12H10N2	000103-33-3	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

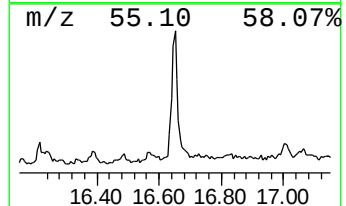
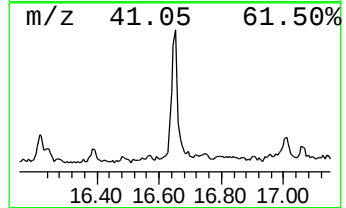
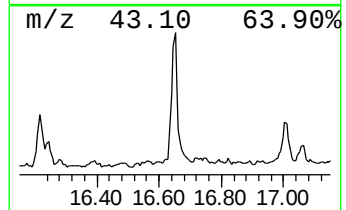
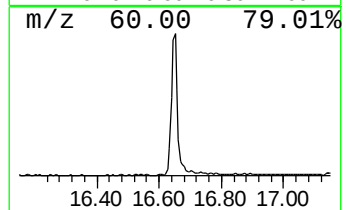
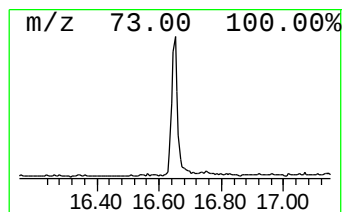
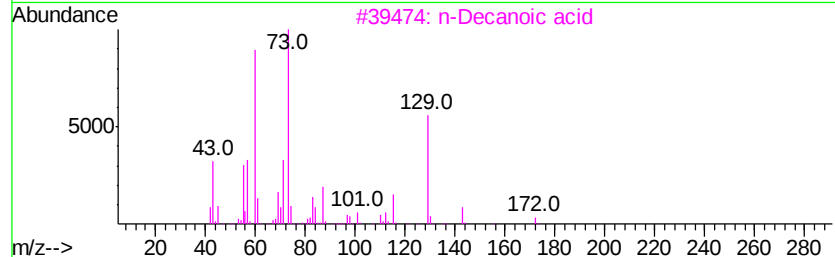
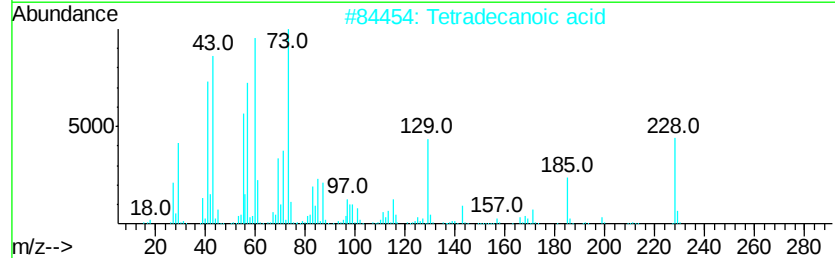
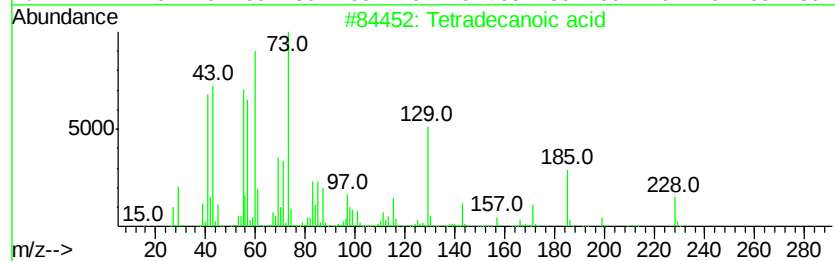
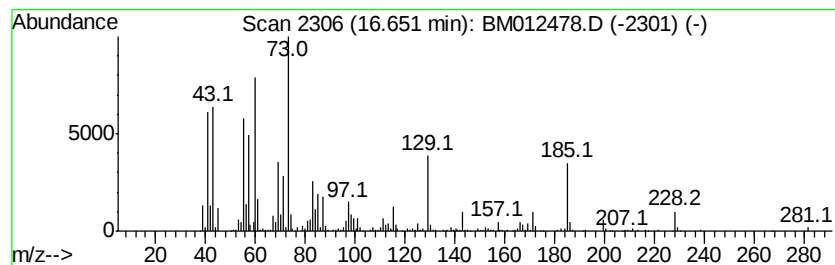
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Tetradecanoic acid Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	2.99 ng/ul	1118580	Phenanthrene-d10	17.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecanoic acid	228	C14H28O2	000544-63-8	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3			n-Decanoic acid	172	C10H20O2	000334-48-5	83
4			n-Decanoic acid	172	C10H20O2	000334-48-5	83
5			Dodecanoic acid	200	C12H24O2	000143-07-7	80



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Data File : BM012478.D
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Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-66(2.5-4.5) 101017

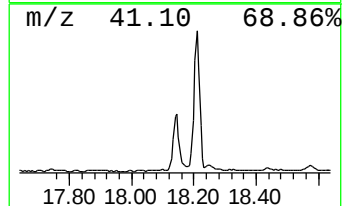
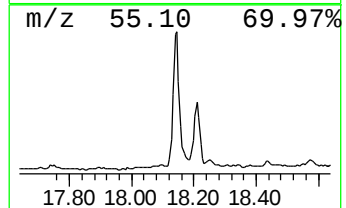
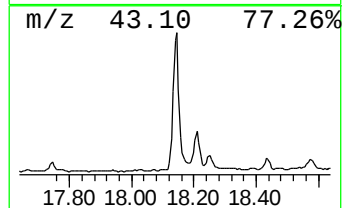
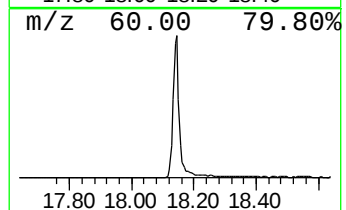
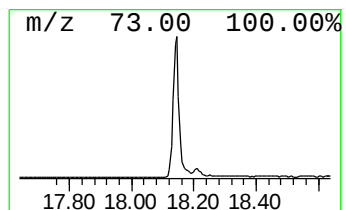
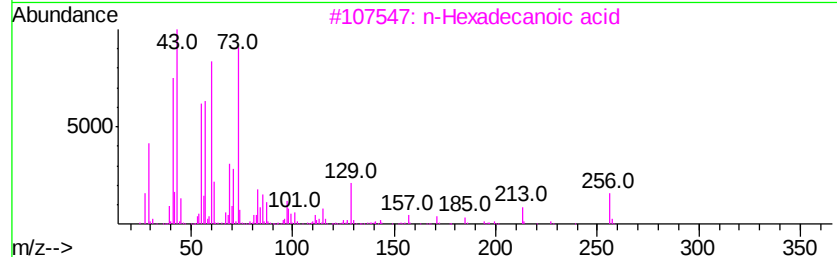
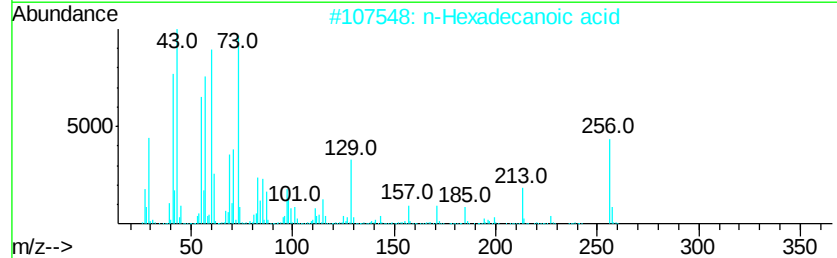
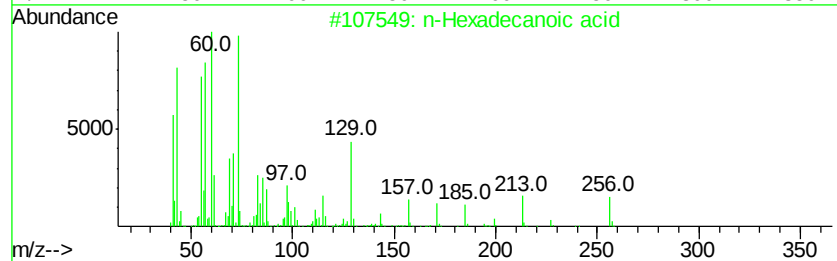
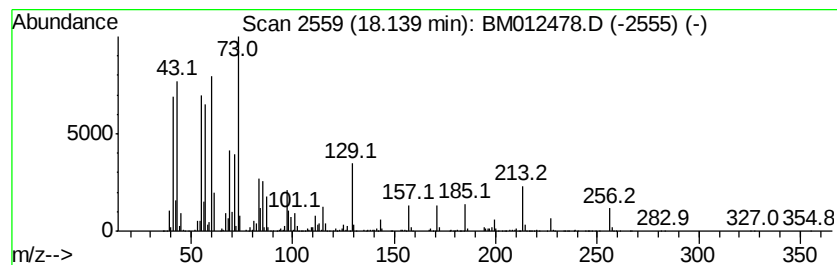
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	15.57 ng/ul	5830310	Phenanthrene-d10	17.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4		Tridecanoic acid	214	C13H26O2	000638-53-9	90
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	89



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Operator : SJ/JU
Sample : I5786-14
Misc :
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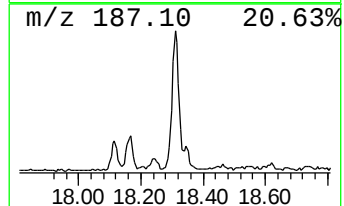
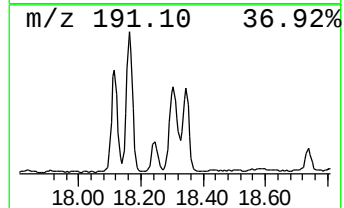
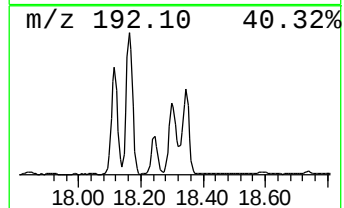
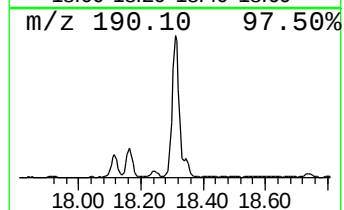
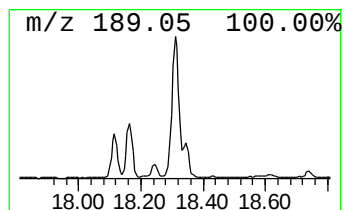
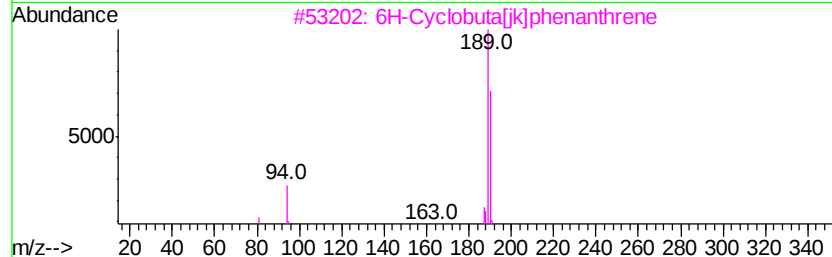
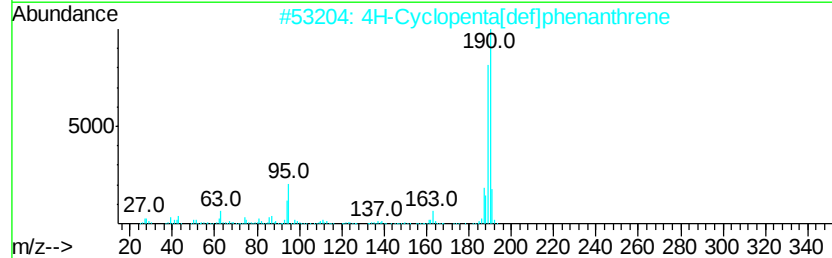
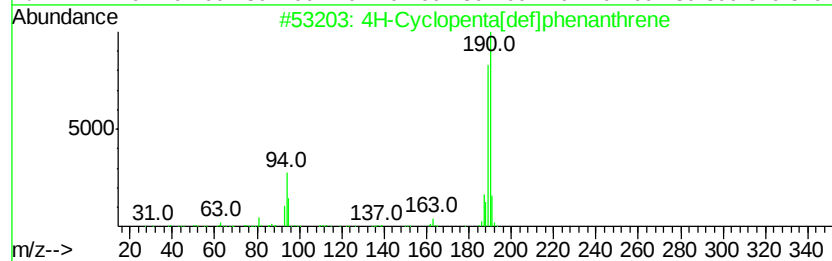
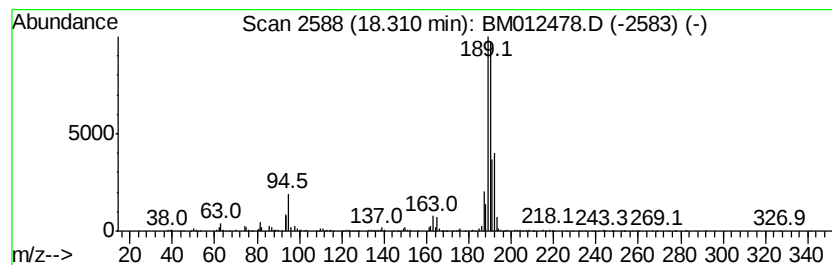
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.35 ng/ul	1629470	Phenanthrene-d10	17.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3			6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	59
4			Methyl diselenide	190	C2H6Se2	007101-31-7	49
5			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
B-66(2.5-4.5) 101017

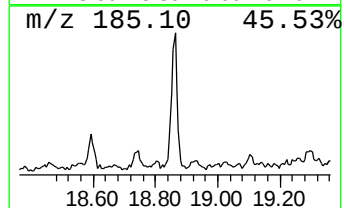
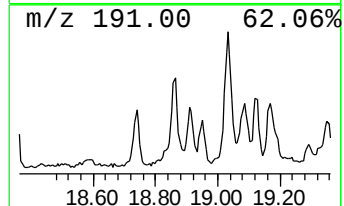
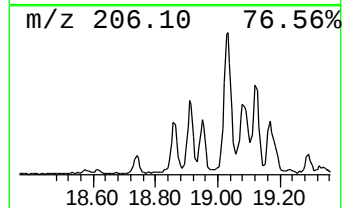
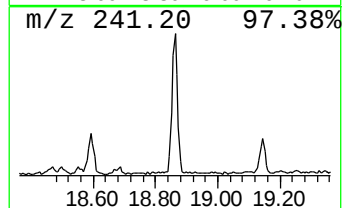
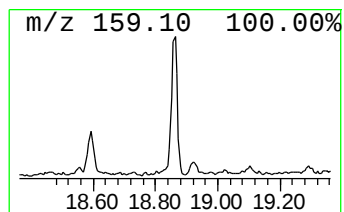
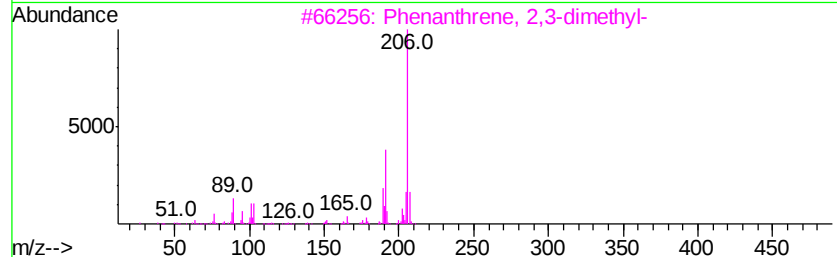
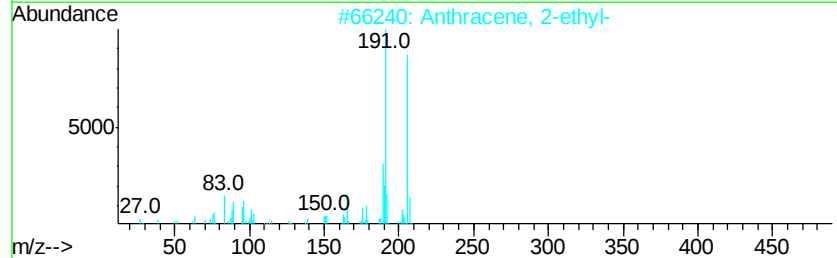
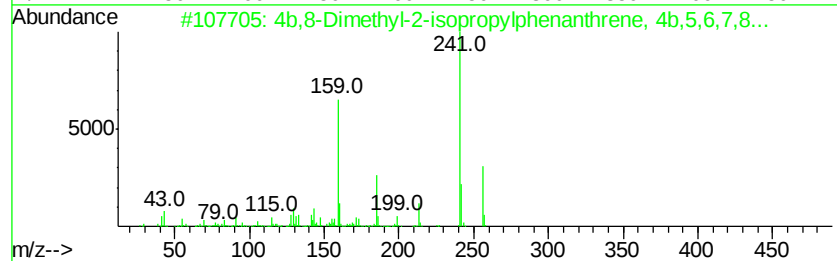
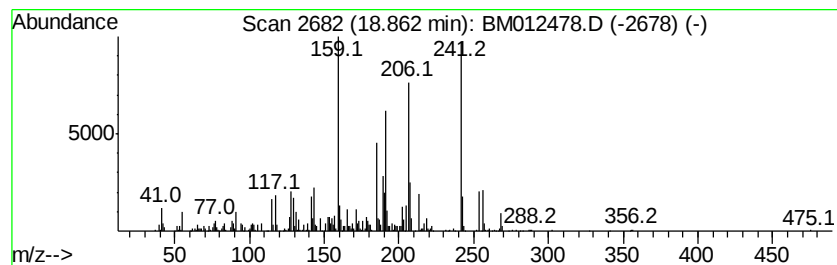
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 4b,8-Dimethyl-2-isopropylph... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.24 ng/ul	837429	Phenanthrene-d10	17.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	87
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	47
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	38
5		s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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B-66(2.5-4.5) 101017

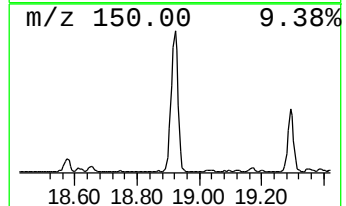
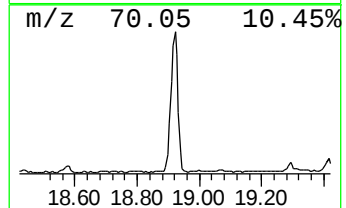
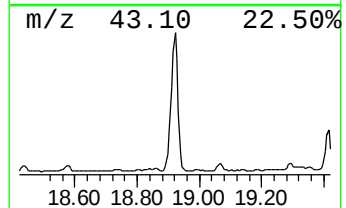
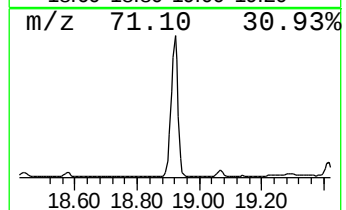
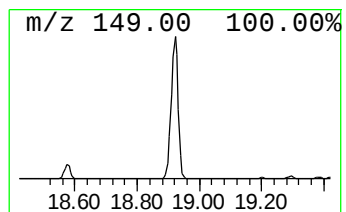
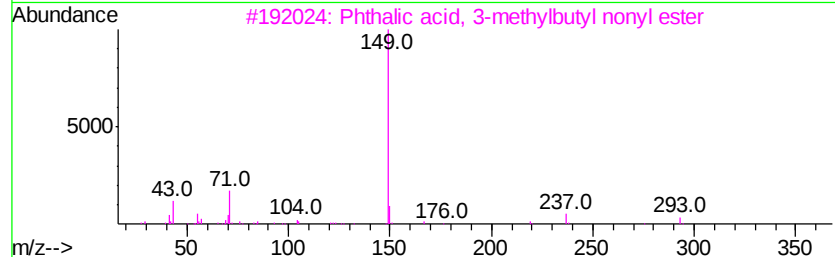
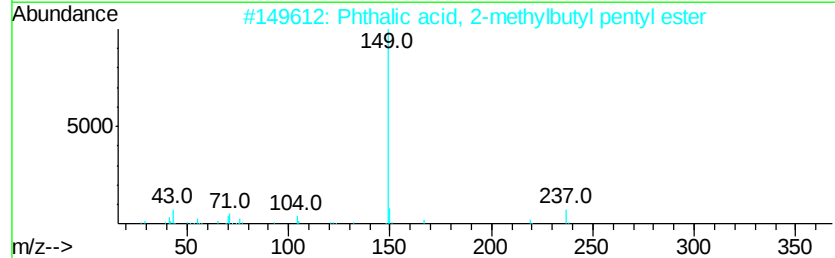
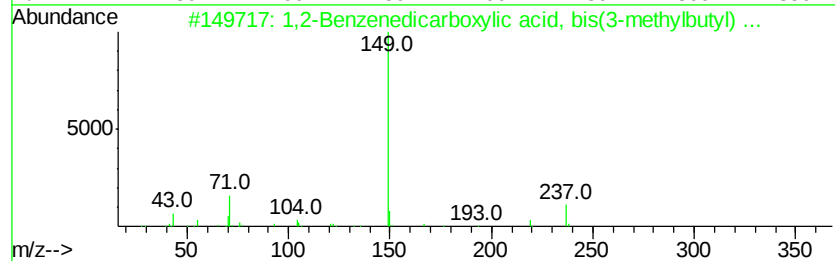
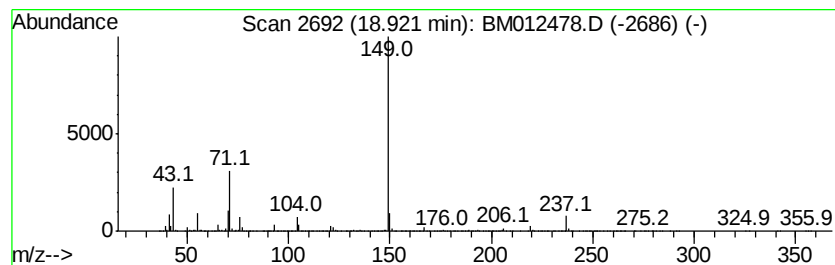
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,2-Benzenedicarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	25.83 ng/ul	9668180	Phenanthrene-d10	17.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, bi...	306	C18H26O4	000605-50-5	90
2		Phthalic acid, 2-methylbutyl pen...	306	C18H26O4	1000322-81-2	78
3		Phthalic acid, 3-methylbutyl non...	362	C22H34O4	1000356-81-0	72
4		Diamyl phthalate	306	C18H26O4	000131-18-0	72
5		Diamyl phthalate	306	C18H26O4	000131-18-0	72



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-66(2.5-4.5) 101017

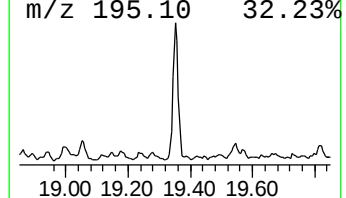
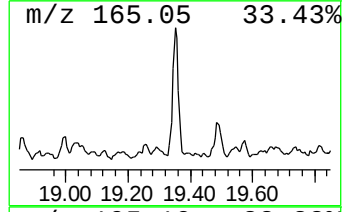
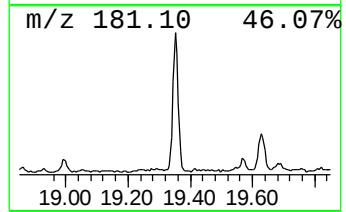
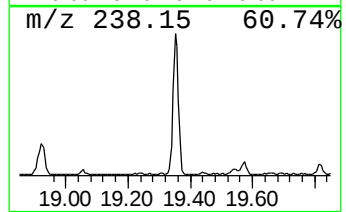
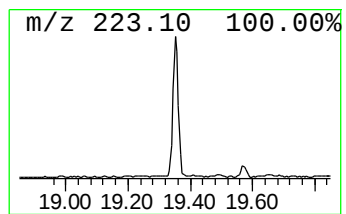
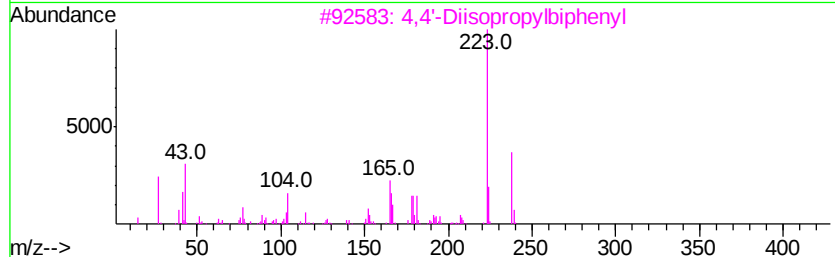
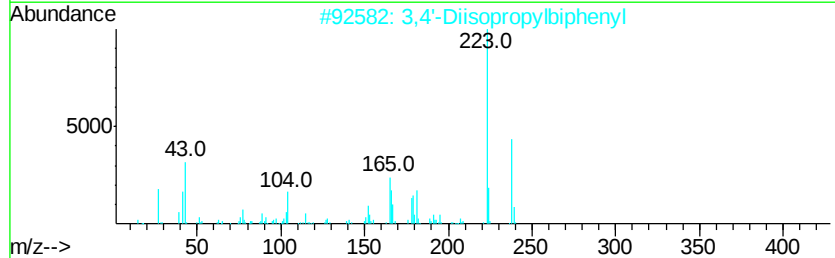
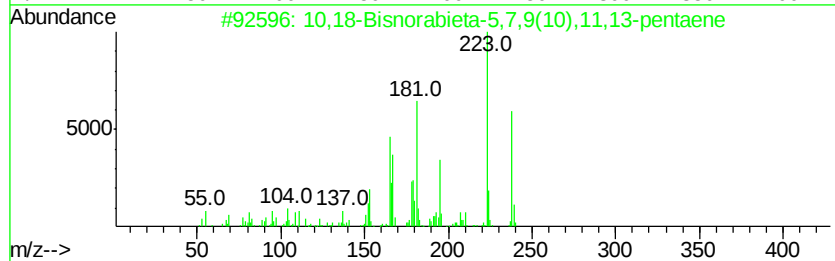
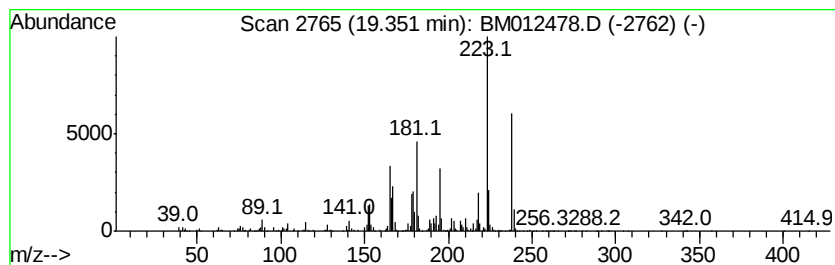
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.49 ng/ul	1509570	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2		3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	93
3		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	56
4		Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	43
5		3,3'-Diacetylbiiphenyl	238	C16H14O2	094113-07-2	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

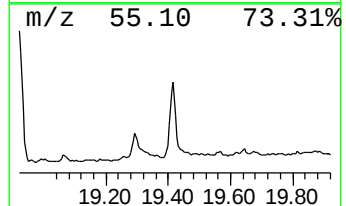
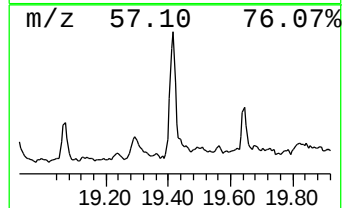
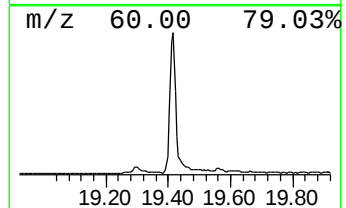
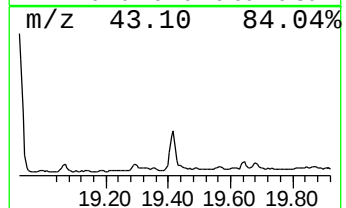
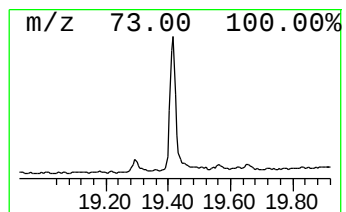
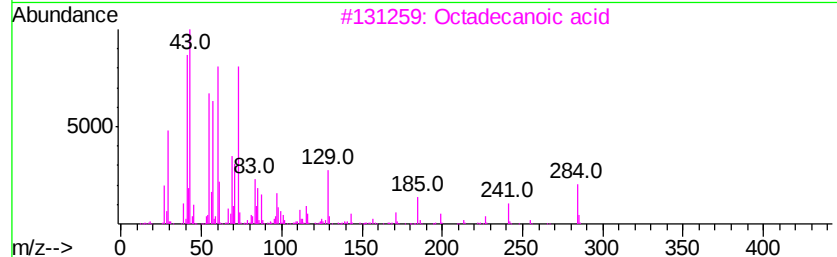
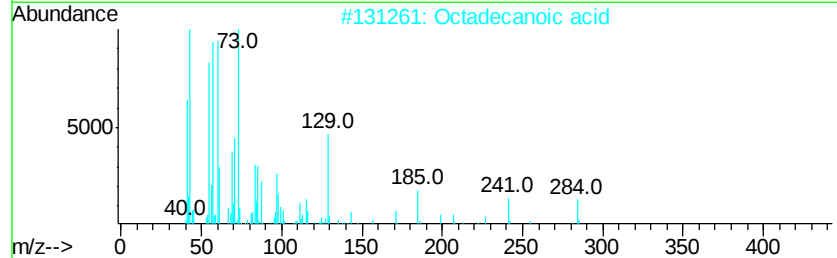
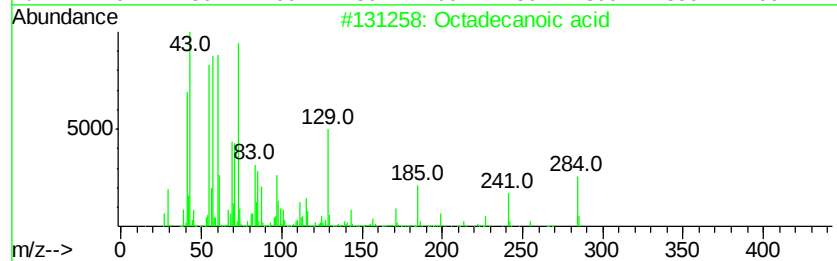
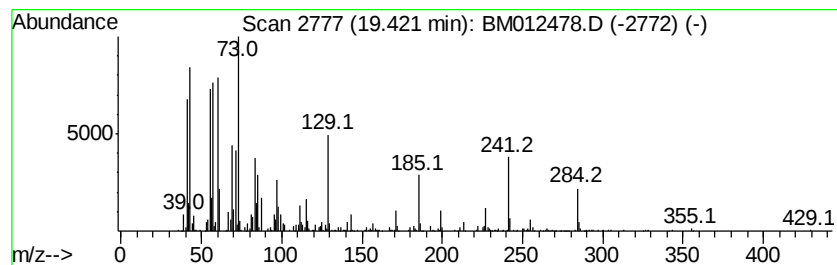
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	3.84 ng/ul	2328150	Chrysene-d12	21.41

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	95
4		Octadecanoic acid	284	C18H36O2	000057-11-4	93
5		Octadecanoic acid	284	C18H36O2	000057-11-4	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-66(2.5-4.5) 101017

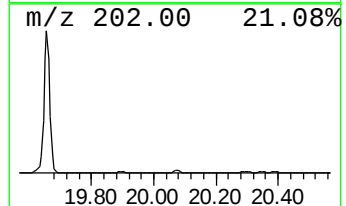
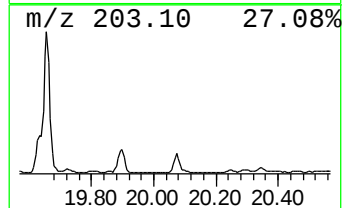
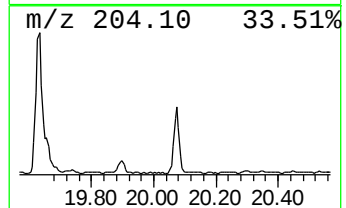
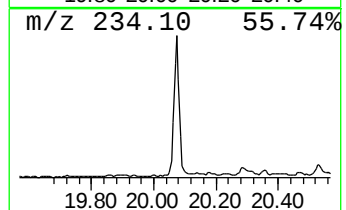
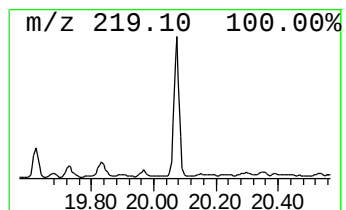
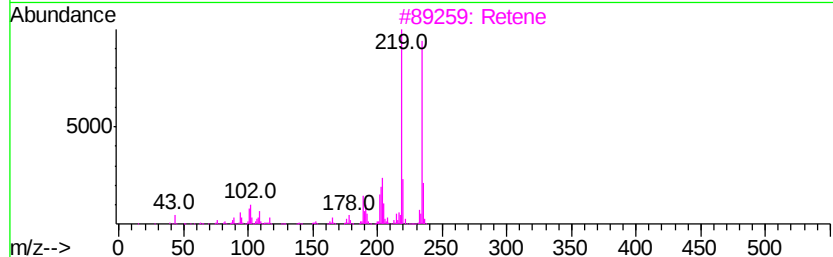
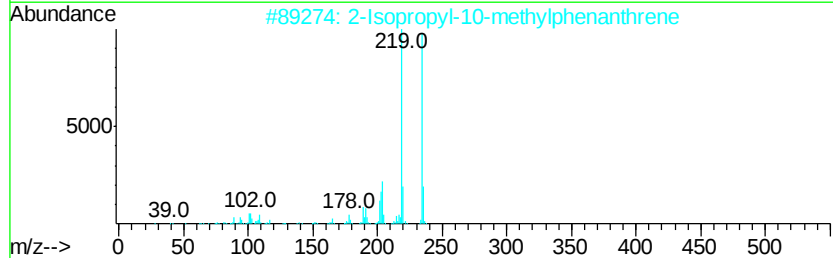
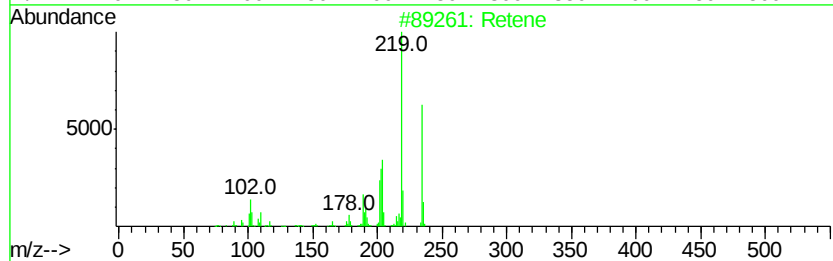
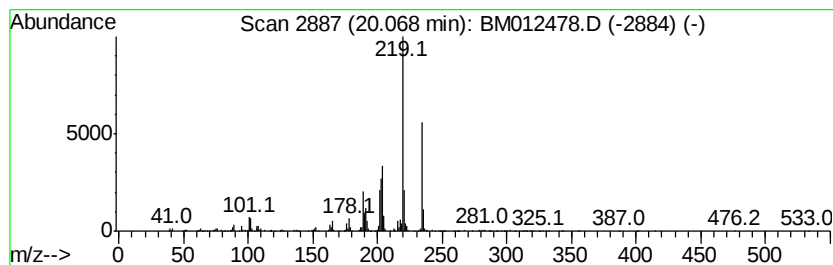
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Retene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.15 ng/ul	1299350	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	95
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3		Retene	234	C18H18	000483-65-8	94
4		Retene	234	C18H18	000483-65-8	94
5		Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

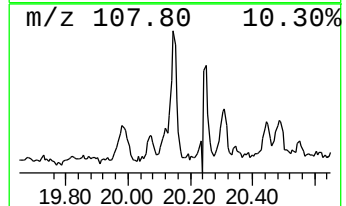
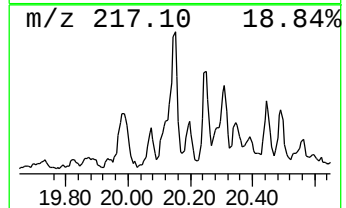
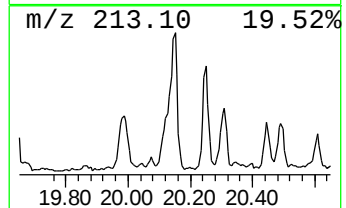
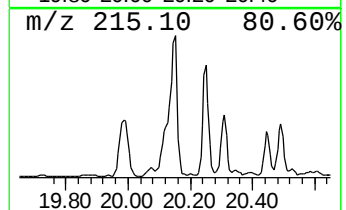
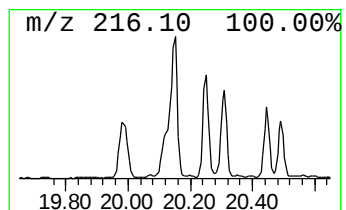
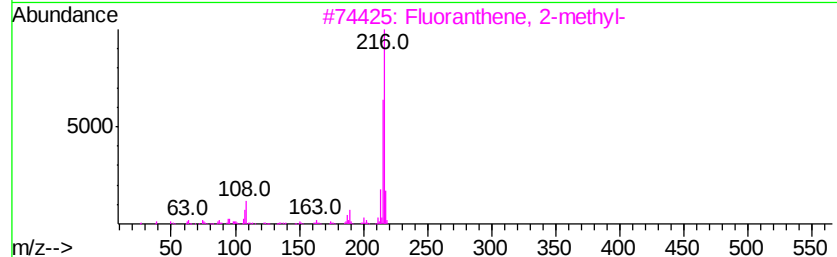
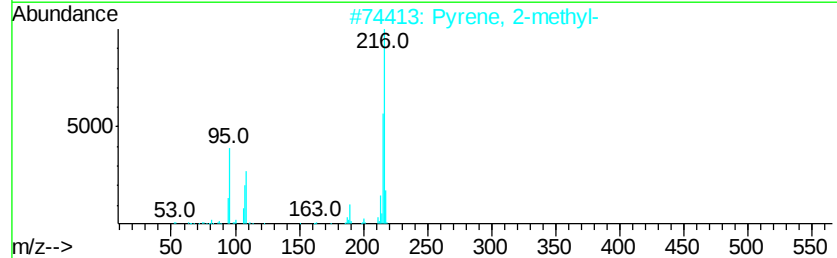
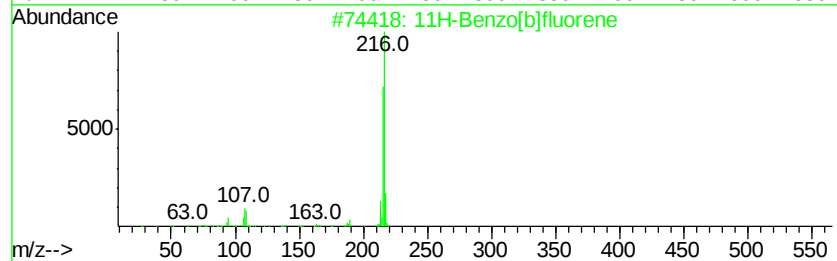
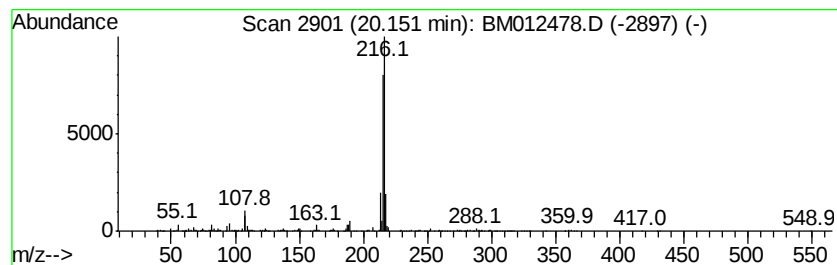
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.08 ng/ul	1257520	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :
B-66(2.5-4.5) 101017

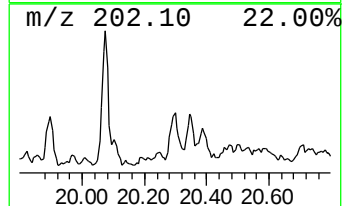
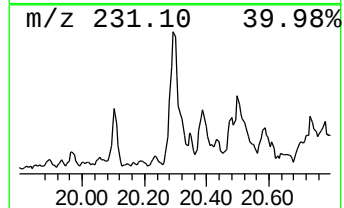
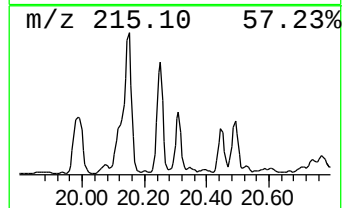
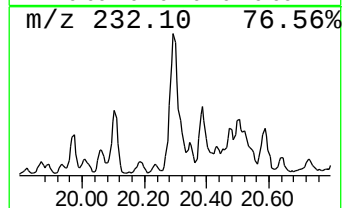
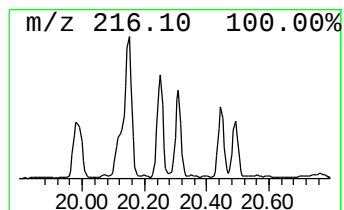
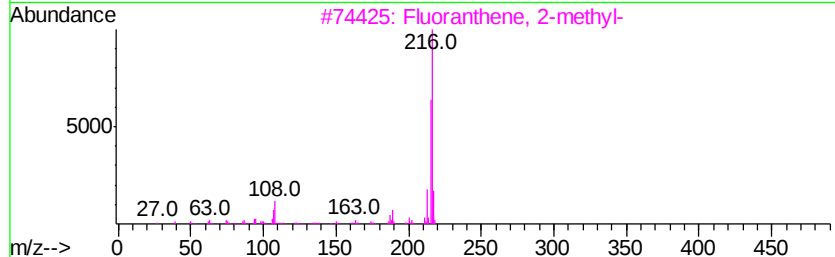
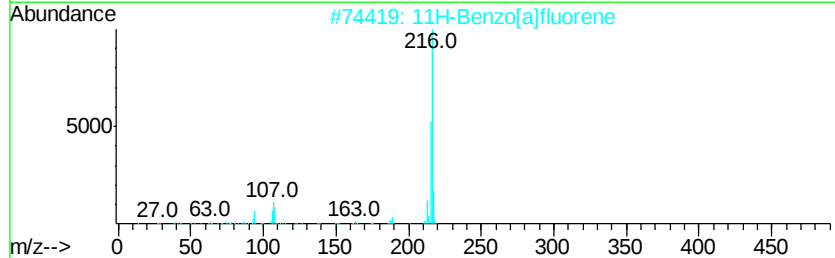
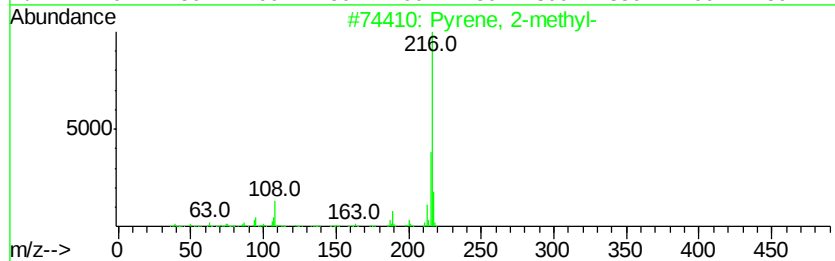
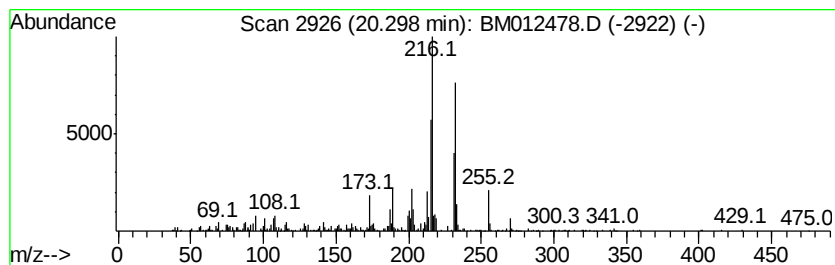
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Pyrene, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.05 ng/ul	1244180	Chrysene-d12	21.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5			Pyrene, 4-methyl-	216	C17H12	003353-12-6	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-66(2.5-4.5) 101017

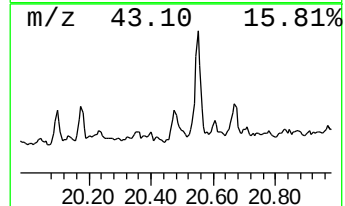
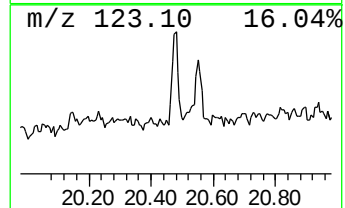
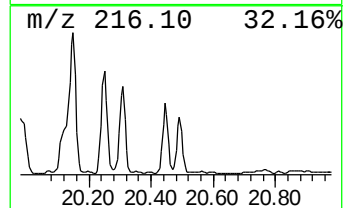
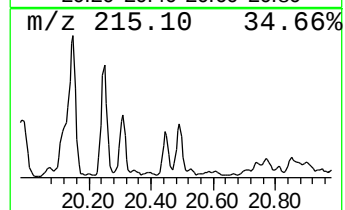
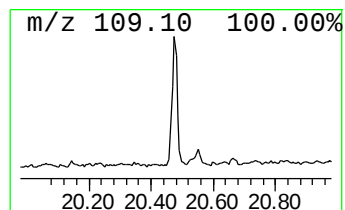
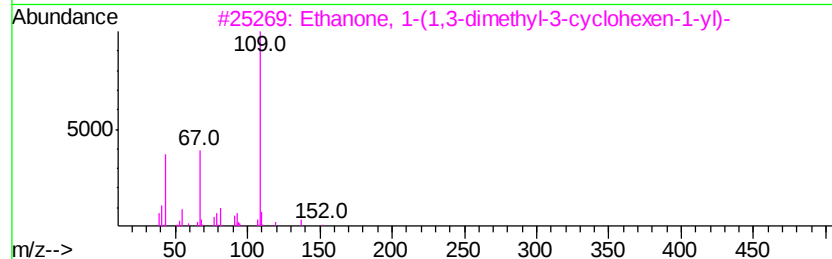
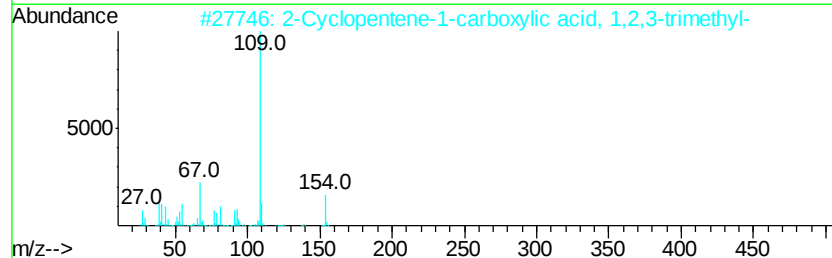
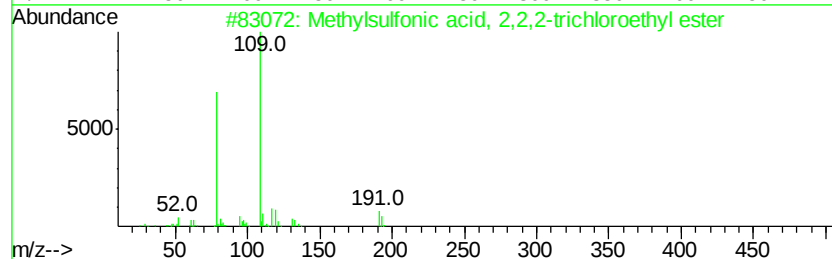
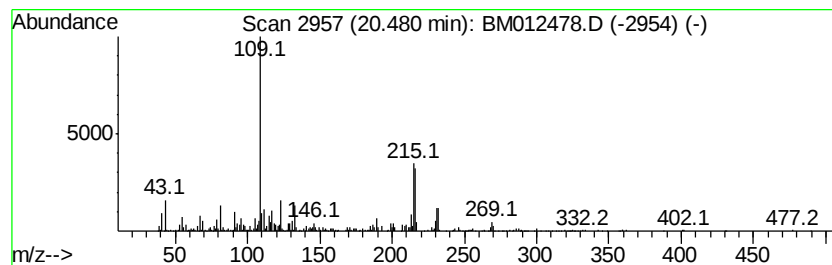
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	2.19 ng/ul	1325550	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methylsulfonic acid, 2,2,2-trich...	226	C3H5Cl3O3S	1000354-61-7	43
2		2-Cyclopentene-1-carboxylic acid...	154	C9H14O2	006894-69-5	38
3		Ethanone, 1-(1,3-dimethyl-3-cycl...	152	C10H16O	051733-68-7	38
4		6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	38
5		[4-(3-Methylfuran-2-carbonyl)pi...	302	C16H18N2O4	1000310-09-2	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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B-66(2.5-4.5) 101017

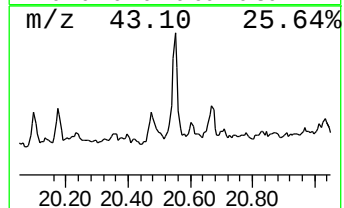
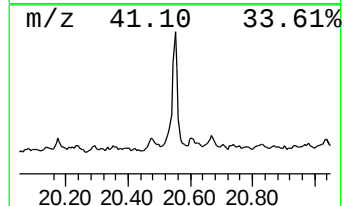
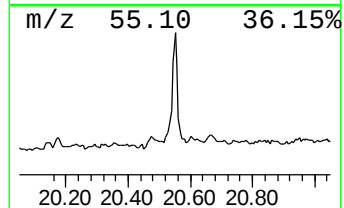
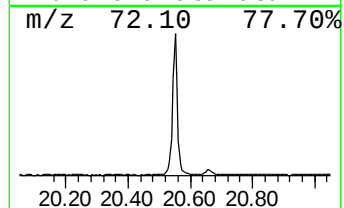
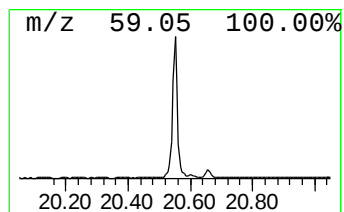
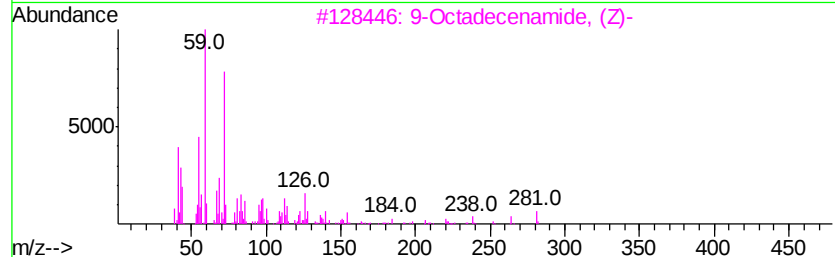
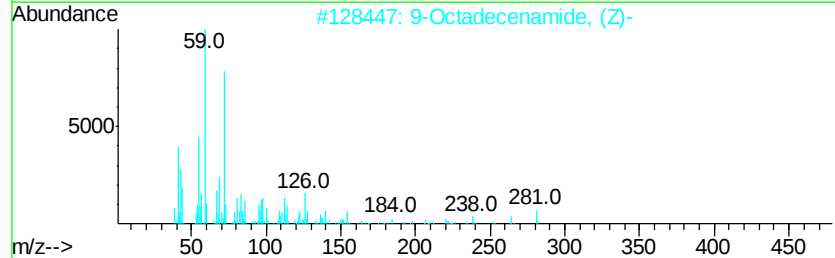
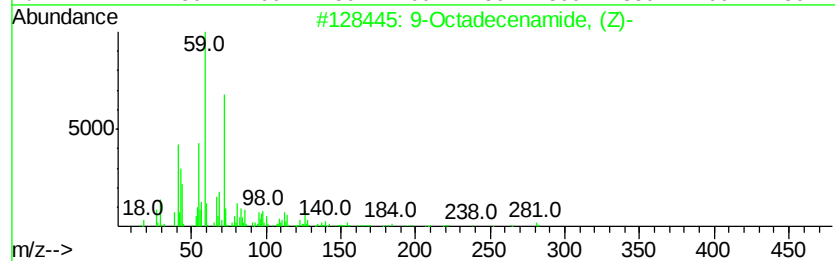
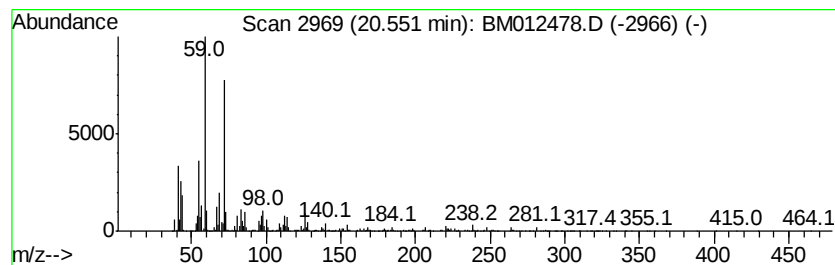
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 9-Octadecenamide, (Z)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	4.75 ng/ul	2876050	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	98
2		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	93
3		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	93
4		Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FN03	061338-98-5	72
5		9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	68



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

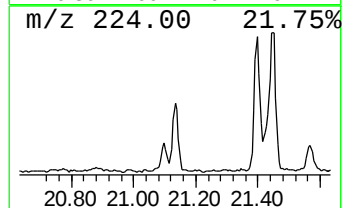
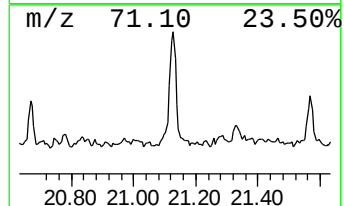
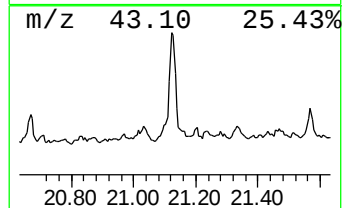
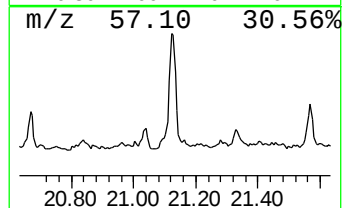
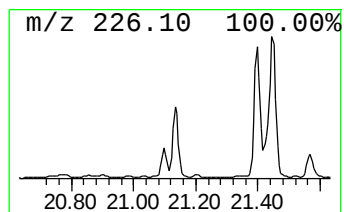
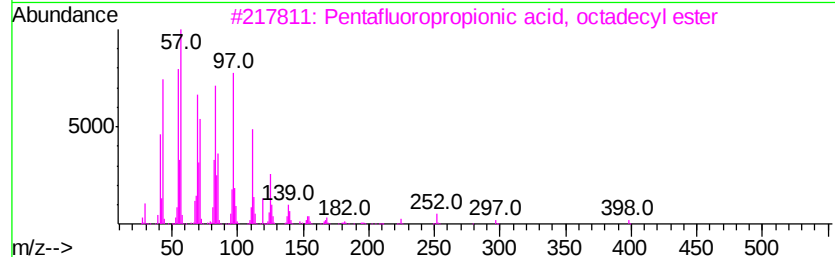
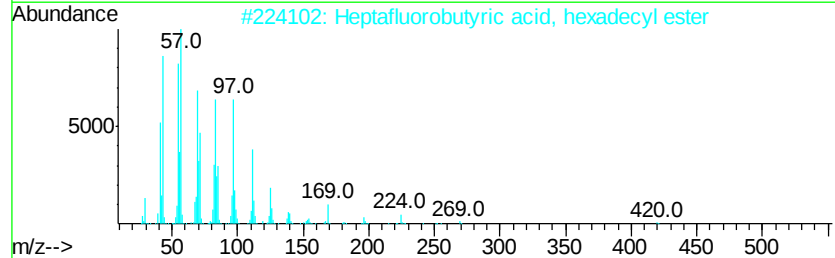
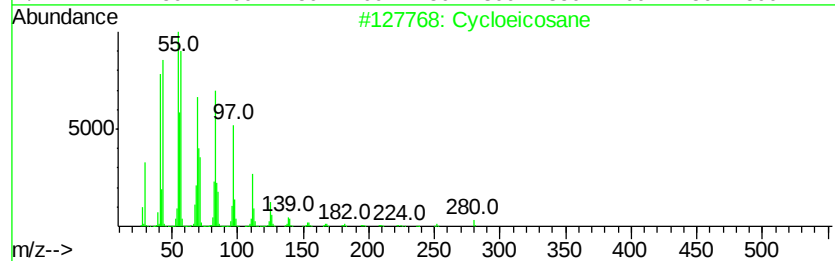
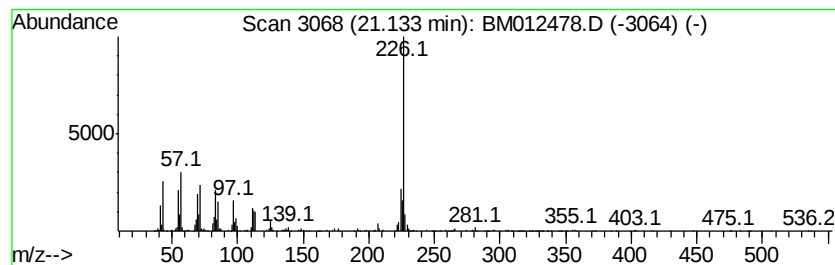
Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 Cycloeicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	4.08 ng/ul	2470790	Chrysene-d12	21.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cycloeicosane	280 C20H40	000296-56-0 87
2		Heptafluorobutyric acid, hexadec...	438 C20H33F7O2	006385-15-5 64
3		Pentafluoropropionic acid, octad...	416 C21H37F5O2	959261-25-7 64
4		Trichloroacetic acid, hexadecyl ...	386 C18H33Cl3O2	074339-54-1 64
5		Nonadecyl trifluoroacetate	380 C21H39F3O2	1000351-76-3 60



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

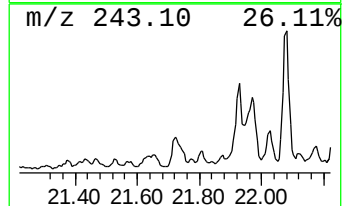
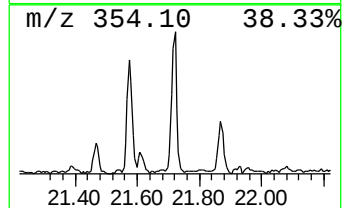
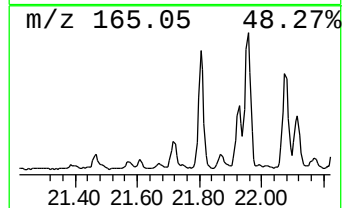
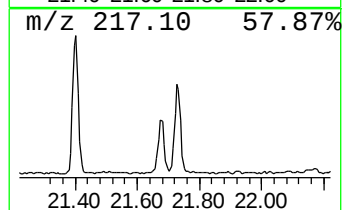
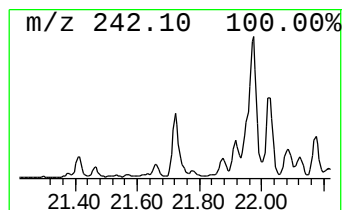
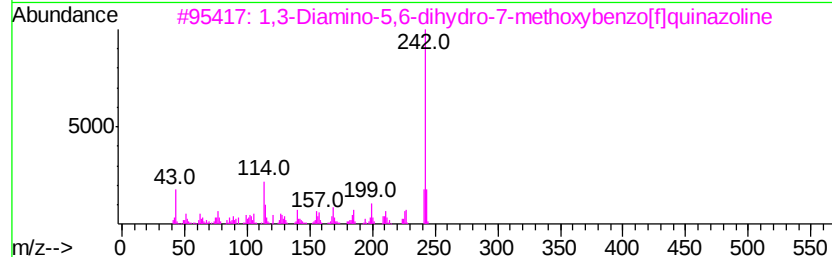
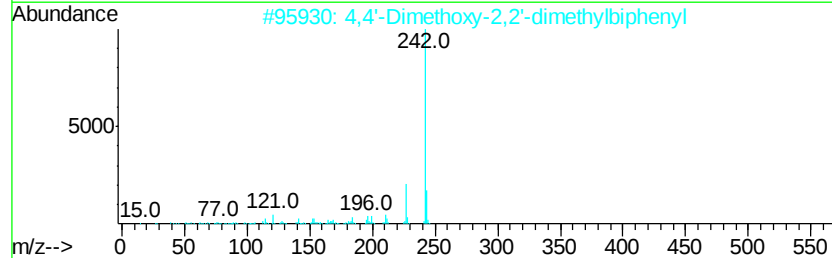
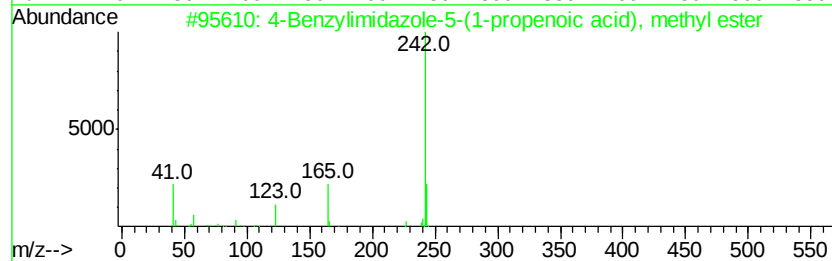
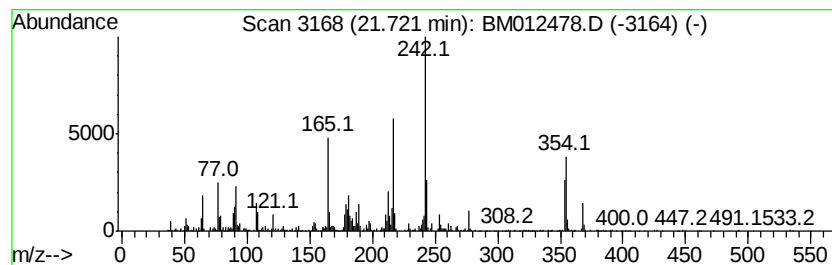
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-03 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	2.94 ng/ul	1779880	Chrysene-d12	21.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Benzylimidazole-5-(1-propenoic...	242	C14H14N2O2	1000126-22-0	35
2		4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	30
3		1,3-Diamino-5,6-dihydro-7-methox...	242	C13H14N4O	037436-49-0	25
4		9H-Fluorene, 9-phenyl-	242	C19H14	000789-24-2	25
5		Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012478.D
Acq On : 27 Oct 2017 09:42
Operator : SJ/JU
Sample : I5786-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

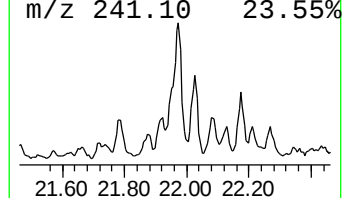
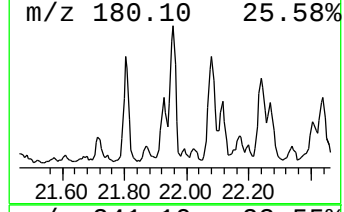
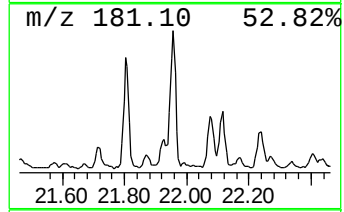
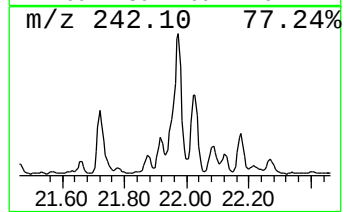
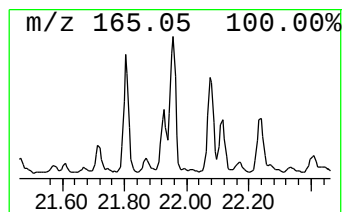
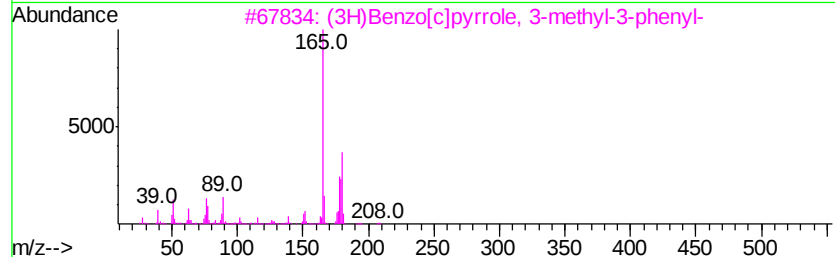
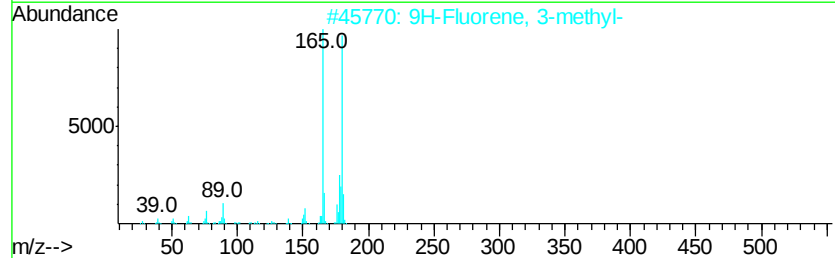
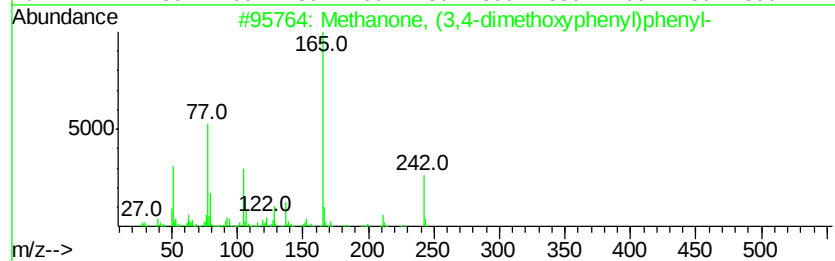
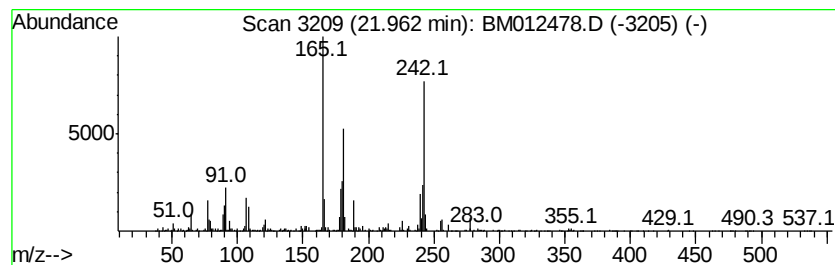
Instrument :
BNA_M
ClientSampleId :
B-66(2.5-4.5) 101017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-04 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.96	4.87 ng/ul	2947150	Chrysene-d12	21.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Methanone, (3,4-dimethoxyphenyl)...	242	C15H14O3	004038-14-6	27
2		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	25
3		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	23
4		N-[4-Methyl-2-nitrophenyl]glycine	210	C9H10N2O4	062573-36-8	23
5		Silane, trimethyl(4-methylphenoxy)-	180	C10H16OSi	017902-32-8	16



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102717\
 Data File : BM012478.D
 Acq On : 27 Oct 2017 09:42
 Operator : SJ/JU
 Sample : I5786-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-66(2.5-4.5) 101017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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
Benzene, 1,3-dime...	5.53	39.4	ng/ul	7140660	1	7.87	3623710	20.0
(DEL) Alkane: Str...	7.50	5.8	ng/ul	1054340	1	7.87	3623710	20.0
Bicyclo[3.1.1]hep...	7.80	2.4	ng/ul	425341	1	7.87	3623710	20.0
Benzene, 1,2,3-tr...	7.99	2.1	ng/ul	375126	1	7.87	3623710	20.0
(DEL) Alkane: Cyc...	8.43	4.0	ng/ul	721906	1	7.87	3623710	20.0
Benzaldehyde, 2-m...	8.76	3.8	ng/ul	696412	1	7.87	3623710	20.0
unknown-01	8.97	7.0	ng/ul	1258500	1	7.87	3623710	20.0
(DEL) Alkane: Str...	9.10	4.3	ng/ul	772499	1	7.87	3623710	20.0
(DEL) Alkane: Cyc...	9.23	2.6	ng/ul	479894	1	7.87	3623710	20.0
cis-Decalin, 2-sy...	9.85	2.4	ng/ul	633451	2	10.66	5235110	20.0
Benzophenone	15.86	3.3	ng/ul	1048930	3	14.50	6434030	20.0
Tetradecanoic acid	16.65	3.0	ng/ul	1118580	4	17.24	7487030	20.0
n-Hexadecanoic acid	18.14	15.6	ng/ul	5830310	4	17.24	7487030	20.0
4H-Cyclopenta[def...	18.31	4.3	ng/ul	1629470	4	17.24	7487030	20.0
4b,8-Dimethyl-2-i...	18.86	2.2	ng/ul	837429	4	17.24	7487030	20.0
1,2-Benzenedicarb...	18.92	25.8	ng/ul	9668180	4	17.24	7487030	20.0
10,18-Bisnorabiet...	19.35	2.5	ng/ul	1509570	5	21.41	12111700	20.0
Octadecanoic acid	19.42	3.8	ng/ul	2328150	5	21.41	12111700	20.0
Retene	20.07	2.1	ng/ul	1299350	5	21.41	12111700	20.0
11H-Benzo[b]fluorene	20.15	2.1	ng/ul	1257520	5	21.41	12111700	20.0
Pyrene, 2-methyl-	20.30	2.0	ng/ul	1244180	5	21.41	12111700	20.0
unknown-02	20.48	2.2	ng/ul	1325550	5	21.41	12111700	20.0
9-Octadecenamide, ...	20.55	4.8	ng/ul	2876050	5	21.41	12111700	20.0
Cycloeicosane	21.13	4.1	ng/ul	2470790	5	21.41	12111700	20.0
unknown-03	21.72	2.9	ng/ul	1779880	5	21.41	12111700	20.0
unknown-04	21.96	4.9	ng/ul	2947150	5	21.41	12111700	20.0