

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002219.D
 Acq On : 04 Aug 2015 20:52
 Operator : TP/UM
 Sample : G3073-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01N6

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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	3.310	101	106	117	rBV	92720	110808	2.04%	0.250%
2	3.704	167	173	183	rBV	61404	82991	1.53%	0.187%
3	5.022	392	397	405	rBB	44692	61437	1.13%	0.138%
4	5.157	414	420	432	rBB	115385	248193	4.57%	0.559%
5	5.528	474	483	490	rBB	65657	99887	1.84%	0.225%
6	6.492	641	647	654	rBB2	56268	81219	1.50%	0.183%
7	6.604	660	666	671	rBV	56057	80771	1.49%	0.182%
8	6.663	671	676	680	rVV	38028	56235	1.04%	0.127%
9	6.710	680	684	694	rVB2	72287	170759	3.15%	0.385%
10	6.863	703	710	713	rBV	54586	82964	1.53%	0.187%
11	6.904	713	717	724	rVB	26060	37962	0.70%	0.086%
12	7.051	736	742	749	rBV	79610	124447	2.29%	0.280%
13	7.163	752	761	767	rBB	149881	227029	4.18%	0.511%
14	7.522	812	822	830	rBV	246418	397509	7.33%	0.895%
15	7.628	835	840	847	rBB2	21419	31640	0.58%	0.071%
16	7.881	879	883	892	rBB	20320	30506	0.56%	0.069%
17	8.004	899	904	908	rBV	29180	41411	0.76%	0.093%
18	8.057	908	913	918	rVB2	18153	28874	0.53%	0.065%
19	8.151	923	929	934	rBV2	53882	84545	1.56%	0.190%
20	8.245	940	945	953	rVV	90875	141973	2.62%	0.320%
21	8.616	1002	1008	1014	rVB	74897	107545	1.98%	0.242%
22	8.686	1014	1020	1025	rBV	70086	113190	2.09%	0.255%
23	9.139	1092	1097	1102	rBV	46193	68396	1.26%	0.154%
24	9.198	1102	1107	1112	rVB	19339	27869	0.51%	0.063%
25	9.398	1134	1141	1152	rBB3	69434	123113	2.27%	0.277%
26	9.704	1188	1193	1200	rVB2	15709	24960	0.46%	0.056%
27	9.945	1229	1234	1241	rBV	86818	138450	2.55%	0.312%
28	10.310	1285	1296	1301	rBV	337208	552060	10.18%	1.244%
29	10.357	1301	1304	1310	rVB2	38213	58591	1.08%	0.132%
30	10.457	1316	1321	1329	rBV	47195	78042	1.44%	0.176%
31	11.986	1572	1581	1587	rVB	22185	35809	0.66%	0.081%
32	12.210	1611	1619	1624	rBB	15303	24166	0.45%	0.054%
33	13.516	1835	1841	1845	rBV3	16949	29163	0.54%	0.066%
34	13.610	1852	1857	1861	rVV	149736	218923	4.04%	0.493%

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35	13.657	1861	1865	1871	rVV	74247	113465	2.09%	0.256%
36	13.886	1898	1904	1916	rBV	164535	258975	4.77%	0.583%
37	14.198	1944	1957	1963	rBV2	454659	730339	13.46%	1.645%
38	14.257	1963	1967	1975	rVB	149252	220965	4.07%	0.498%
39	14.451	1995	2000	2004	rVV2	20958	32200	0.59%	0.073%
40	14.510	2004	2010	2015	rVB3	22254	34578	0.64%	0.078%
41	14.598	2020	2025	2035	rBV	88291	134693	2.48%	0.303%
42	14.815	2058	2062	2069	rBV4	11085	23100	0.43%	0.052%
43	14.980	2085	2090	2095	rBV6	11078	24252	0.45%	0.055%
44	15.198	2121	2127	2131	rVV	203563	299425	5.52%	0.674%
45	15.251	2131	2136	2141	rVB	139320	198183	3.65%	0.446%
46	15.351	2148	2153	2155	rBV2	42074	61517	1.13%	0.139%
47	15.410	2160	2163	2167	rVV2	23778	36370	0.67%	0.082%
48	15.457	2167	2171	2175	rVV3	31086	48520	0.89%	0.109%
49	15.498	2175	2178	2182	rVV2	15376	25132	0.46%	0.057%
50	15.545	2182	2186	2193	rVB	36255	57408	1.06%	0.129%
51	15.692	2208	2211	2218	rVB	35621	67170	1.24%	0.151%
52	15.933	2245	2252	2256	rBV3	56640	107656	1.98%	0.243%
53	16.233	2296	2303	2305	rVV3	29574	52701	0.97%	0.119%
54	16.257	2305	2307	2311	rVV2	32833	40982	0.76%	0.092%
55	16.304	2311	2315	2320	rVB2	21823	36384	0.67%	0.082%
56	16.609	2363	2367	2372	rVB	70190	95489	1.76%	0.215%
57	16.704	2376	2383	2387	rVV4	41082	83458	1.54%	0.188%
58	16.768	2387	2394	2403	rVB2	101312	213859	3.94%	0.482%
59	16.951	2420	2425	2428	rBV	583051	809668	14.92%	1.824%
60	16.998	2428	2433	2438	rVV	1661852	2265142	41.75%	5.102%
61	17.051	2438	2442	2445	rVV2	244820	363056	6.69%	0.818%
62	17.086	2445	2448	2453	rVB	326832	413338	7.62%	0.931%
63	17.145	2453	2458	2463	rBV2	38980	73073	1.35%	0.165%
64	17.362	2487	2495	2501	rBV2	187543	331362	6.11%	0.746%
65	17.468	2511	2513	2519	rVB4	30818	39537	0.73%	0.089%
66	17.533	2520	2524	2530	rVV3	40901	68037	1.25%	0.153%
67	17.827	2570	2574	2578	rBV	139925	194525	3.59%	0.438%
68	17.874	2578	2582	2588	rVB	244339	349708	6.45%	0.788%
69	17.951	2592	2595	2601	rVV2	94906	159913	2.95%	0.360%
70	18.021	2602	2607	2610	rVV2	336907	567529	10.46%	1.278%
71	18.056	2610	2613	2621	rVB	554197	730142	13.46%	1.645%

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72	18.233	2637	2643	2650	rBV	2904985	3657627	67.42%	8.239%
73	18.333	2656	2660	2664	rBV	135382	170148	3.14%	0.383%
74	18.386	2665	2669	2671	rVV	178437	267315	4.93%	0.602%
75	18.427	2671	2676	2684	rVB	4175758	5425168	100.00%	12.221%
76	18.568	2696	2700	2706	rBV2	256289	375206	6.92%	0.845%
77	18.709	2720	2724	2728	rVB	185315	231650	4.27%	0.522%
78	19.027	2772	2778	2782	rBV	2220453	2982914	54.98%	6.719%
79	19.074	2782	2786	2791	rVB	544204	704320	12.98%	1.587%
80	19.162	2798	2801	2806	rVB5	130268	180938	3.34%	0.408%
81	19.362	2830	2835	2837	rBV4	625731	967376	17.83%	2.179%
82	19.392	2837	2840	2848	rVV	1862462	2456546	45.28%	5.534%
83	19.462	2849	2852	2856	rVB2	73436	108798	2.01%	0.245%
84	19.615	2875	2878	2885	rVB3	114766	224704	4.14%	0.506%
85	19.992	2939	2942	2945	rVB	152709	174990	3.23%	0.394%
86	21.074	3123	3126	3131	rVB2	195615	228641	4.21%	0.515%
87	21.150	3134	3139	3145	rVV2	1342262	2861523	52.75%	6.446%
88	21.203	3145	3148	3157	rVB	1033377	1306099	24.07%	2.942%
89	21.656	3222	3225	3228	rBV2	338949	371815	6.85%	0.838%
90	21.797	3246	3249	3254	rBV3	625908	840359	15.49%	1.893%
91	22.174	3311	3313	3318	rVB	468253	520560	9.60%	1.173%
92	22.662	3392	3396	3398	rBV	347392	465604	8.58%	1.049%
93	22.703	3399	3403	3408	rBV	631529	1223171	22.55%	2.755%
94	23.162	3477	3481	3484	rBV	374801	612806	11.30%	1.380%
95	23.203	3485	3488	3492	rVV2	501916	763722	14.08%	1.720%
96	23.256	3493	3497	3507	rVB	773160	1389178	25.61%	3.129%
97	23.350	3509	3513	3517	rVB	425717	646758	11.92%	1.457%
98	23.815	3588	3592	3599	rVB	409512	754314	13.90%	1.699%
99	24.532	3710	3714	3720	rVB2	205154	377190	6.95%	0.850%
100	25.544	3880	3886	3895	rVB	369768	920381	16.97%	2.073%

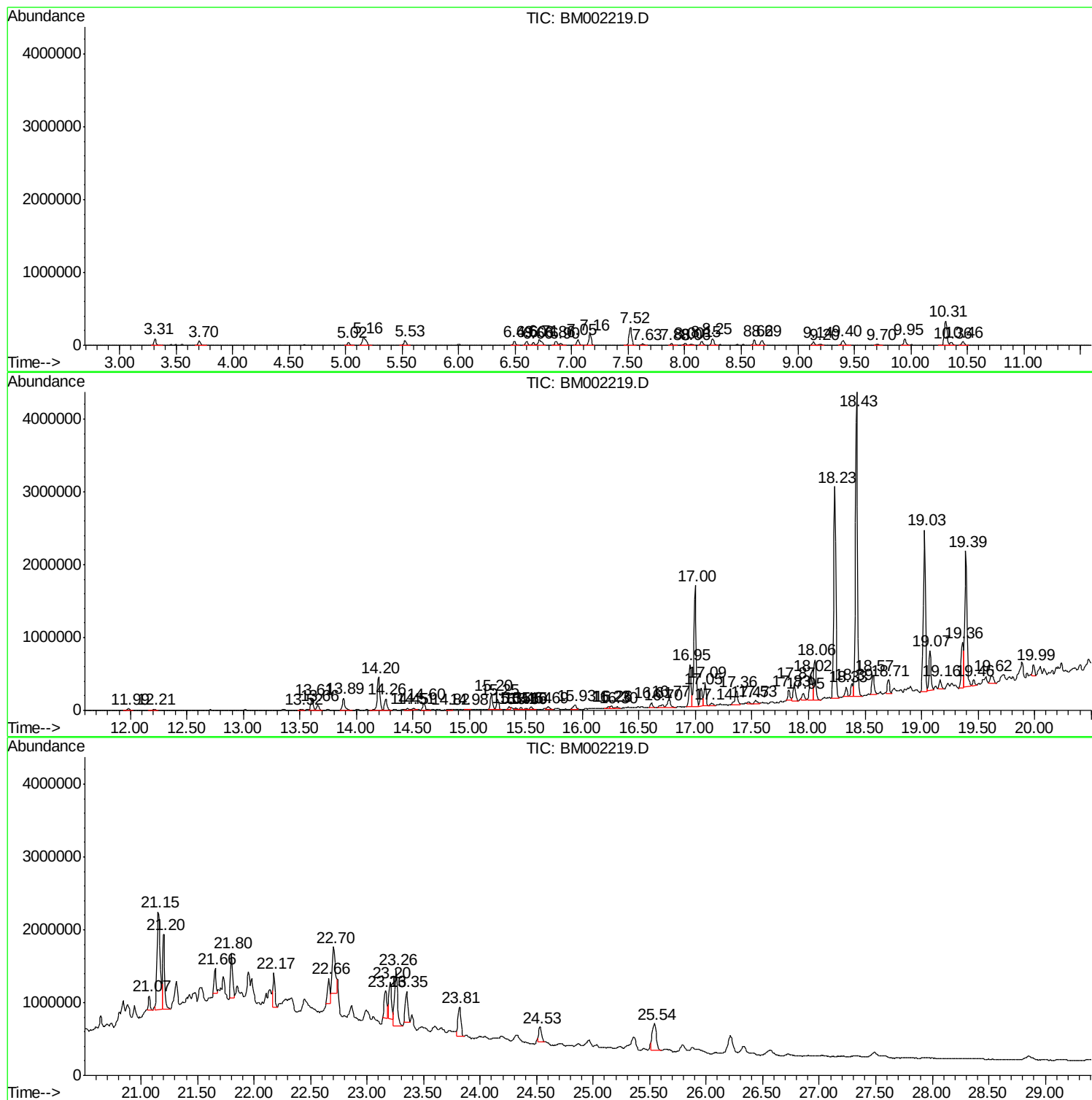
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



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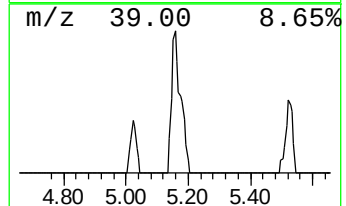
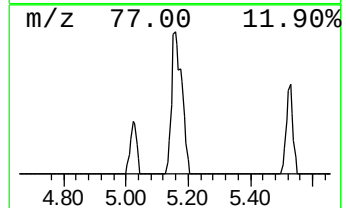
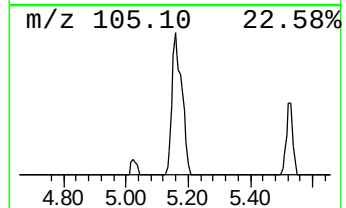
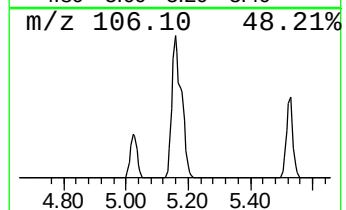
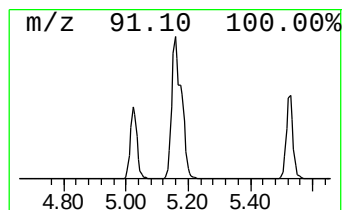
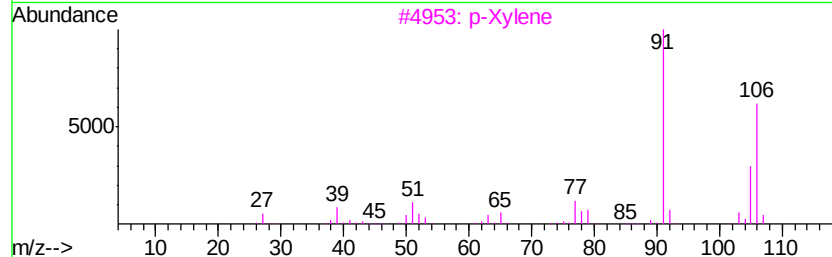
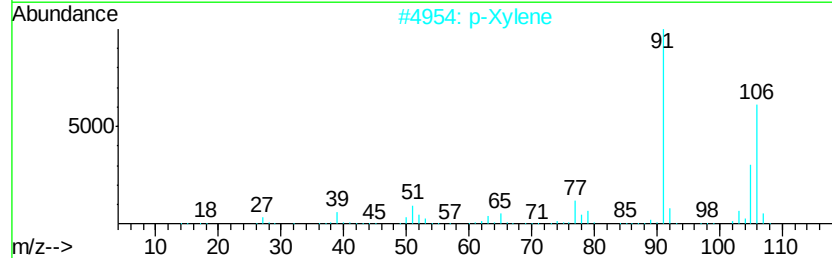
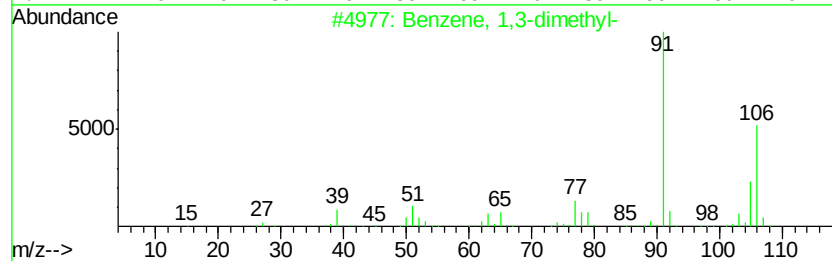
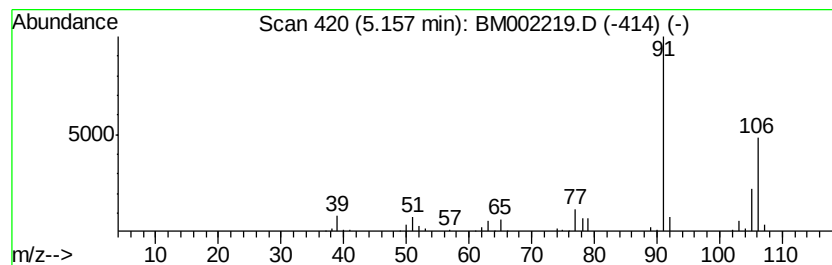
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	12.49 ng/ul	248193	1,4-Dichlorobenzene-d4	7.52

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



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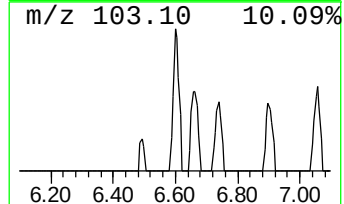
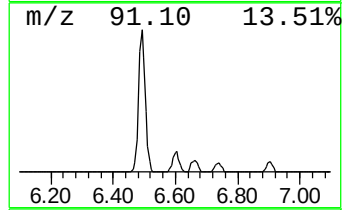
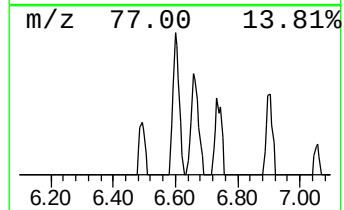
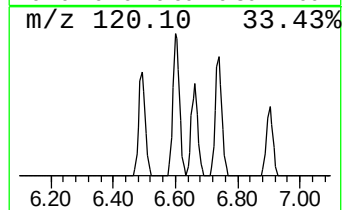
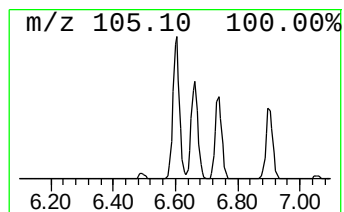
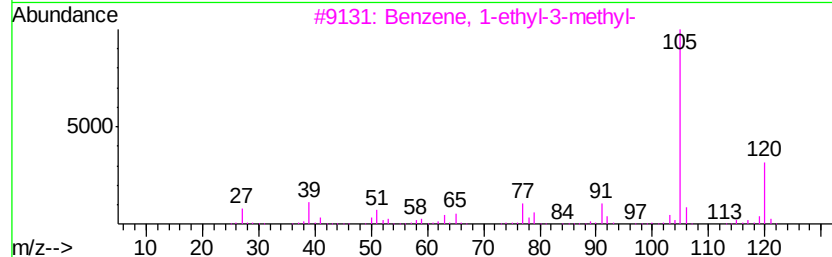
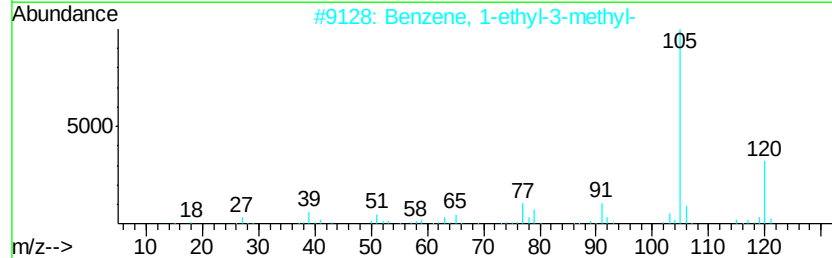
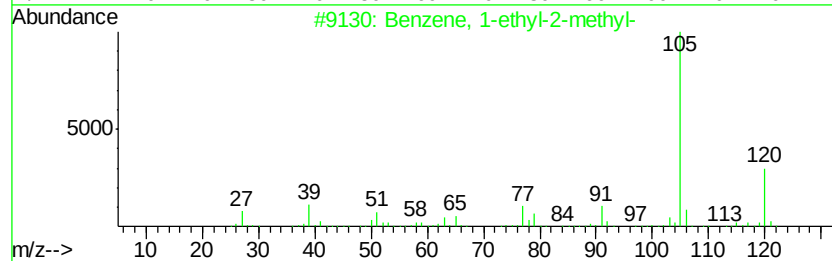
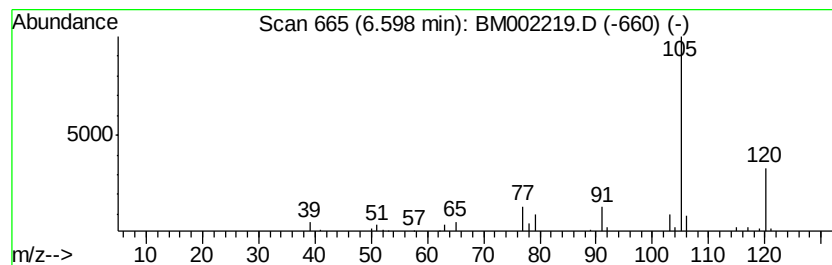
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	4.06 ng/ul	80771	1,4-Dichlorobenzene-d4	7.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91



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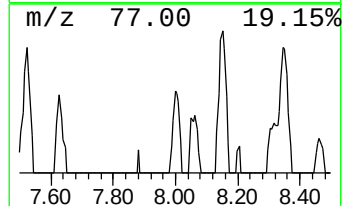
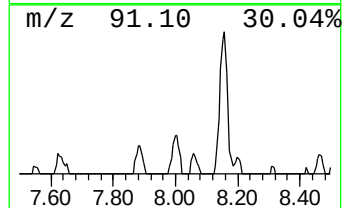
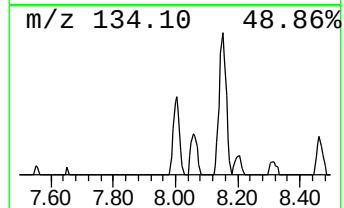
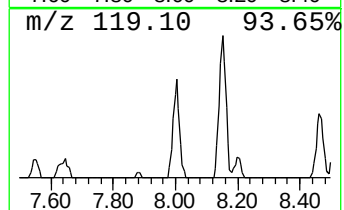
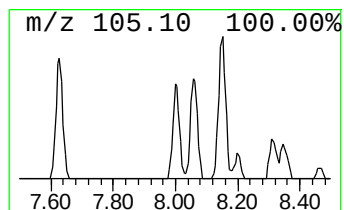
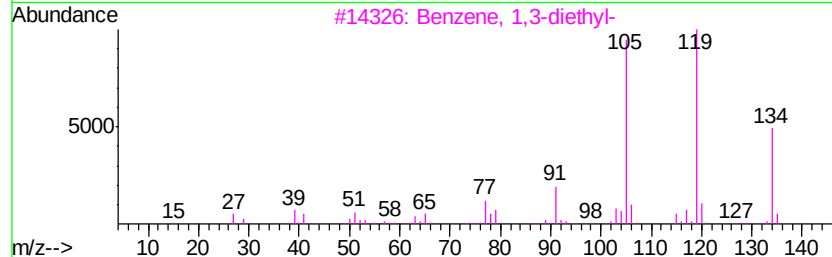
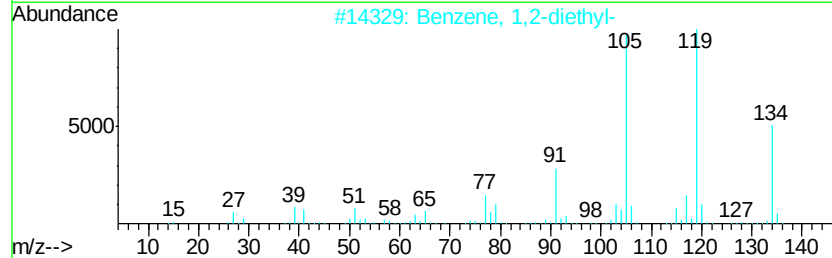
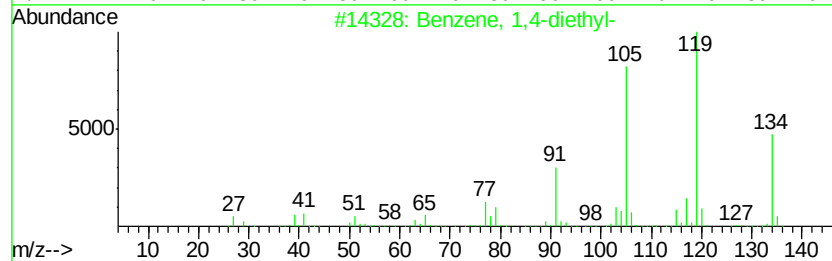
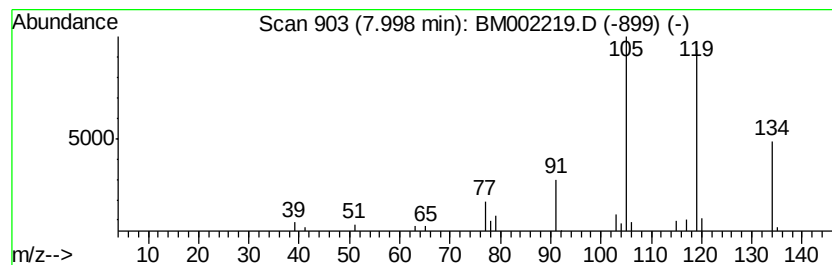
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 Benzene, 1,4-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	2.08 ng/ul	41411	1,4-Dichlorobenzene-d4	7.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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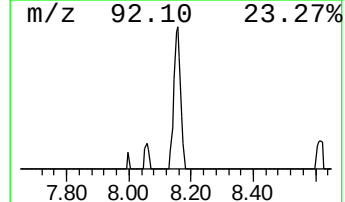
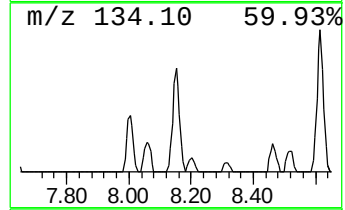
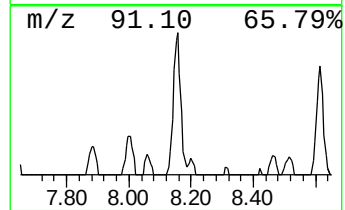
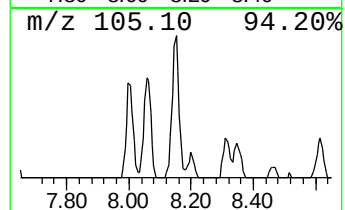
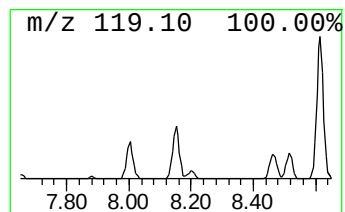
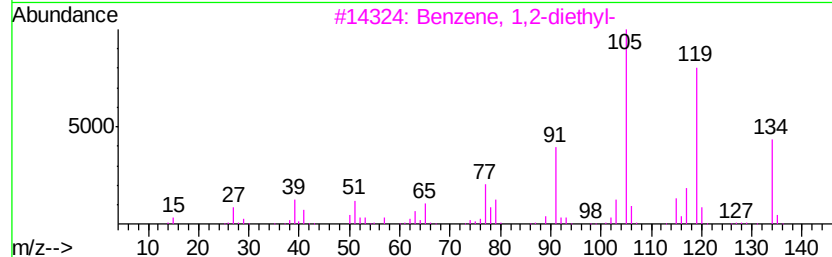
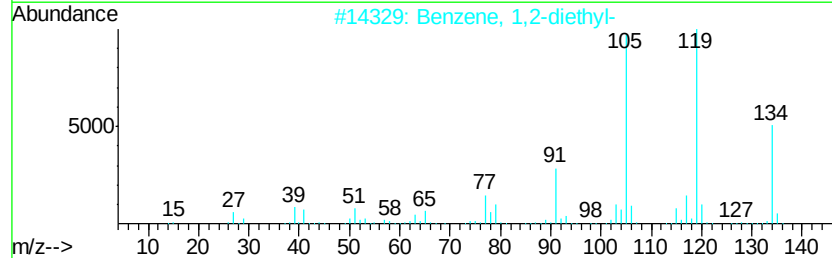
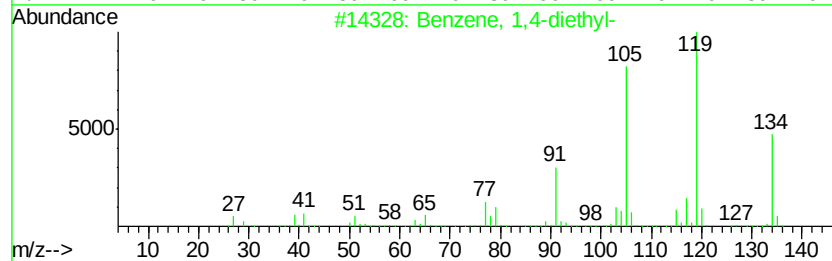
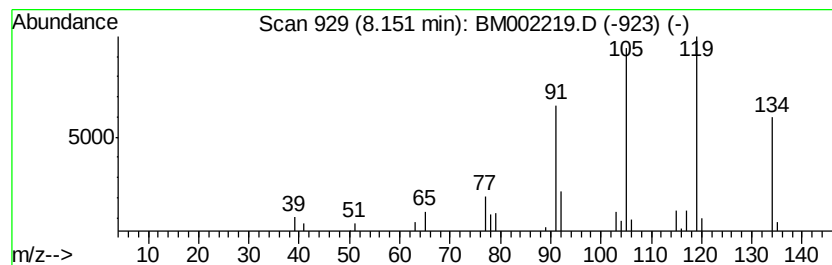
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 Benzene, 1,2-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	4.25 ng/ul	84545	1,4-Dichlorobenzene-d4	7.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	92
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
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Instrument :
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ClientSampleId :
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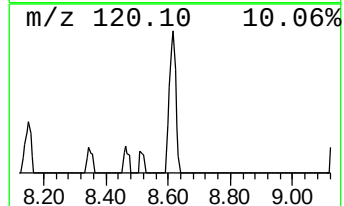
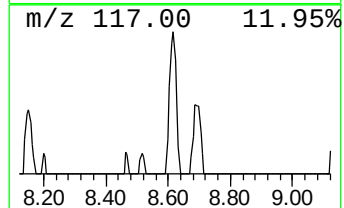
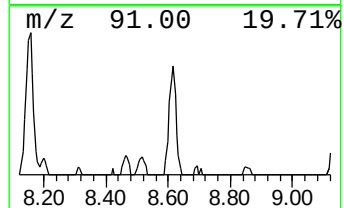
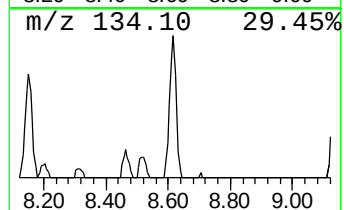
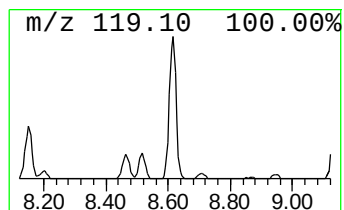
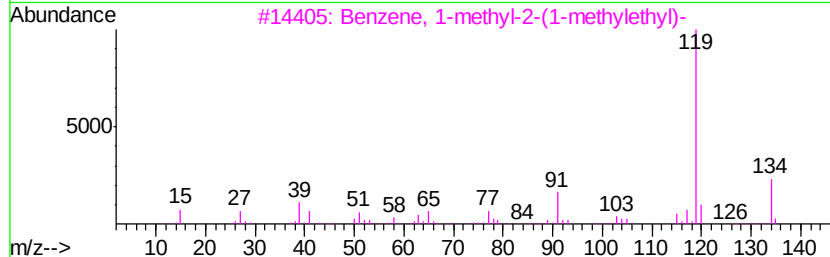
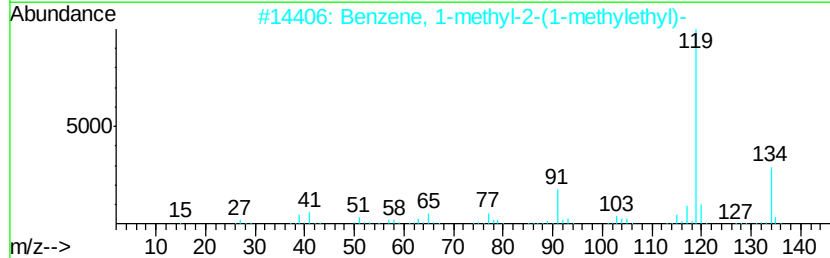
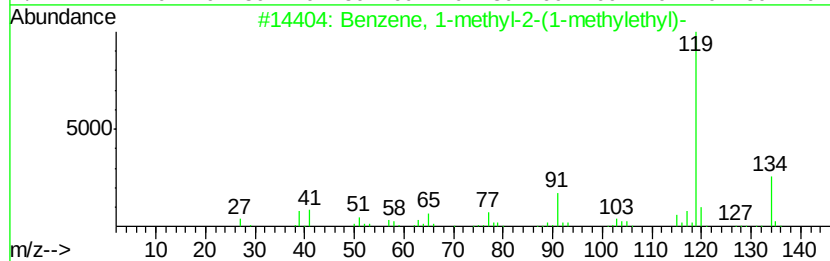
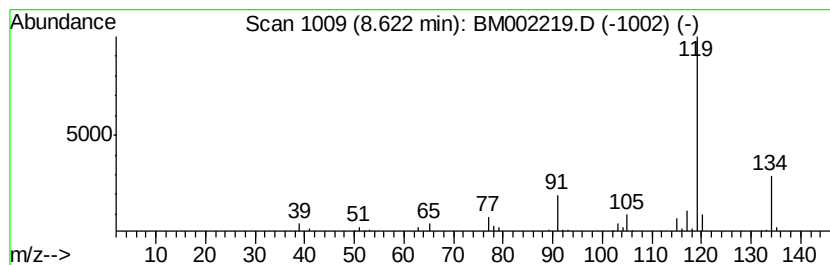
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Benzene, 1-methyl-2-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	5.41 ng/ul	107545	1,4-Dichlorobenzene-d4	7.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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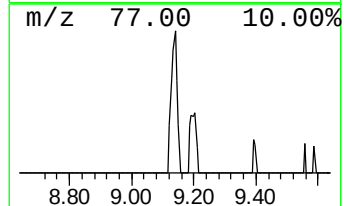
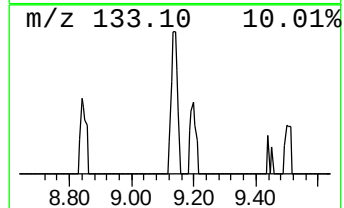
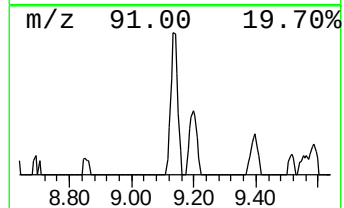
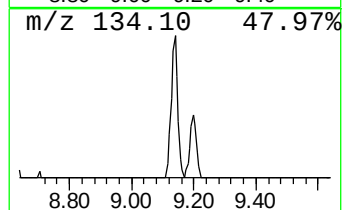
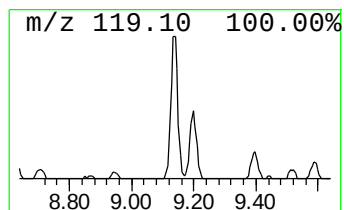
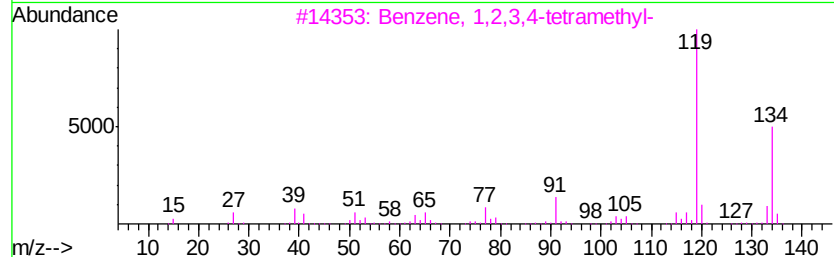
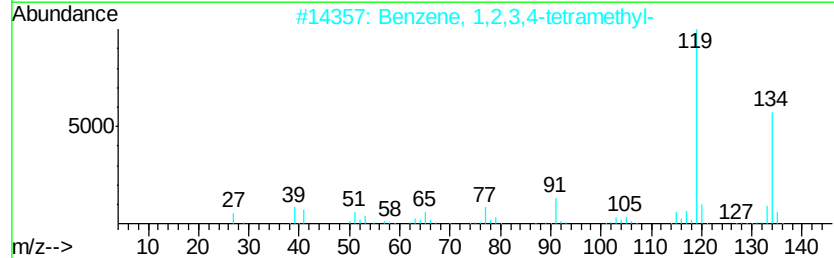
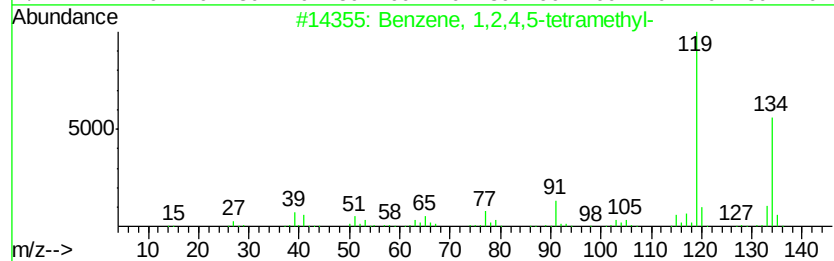
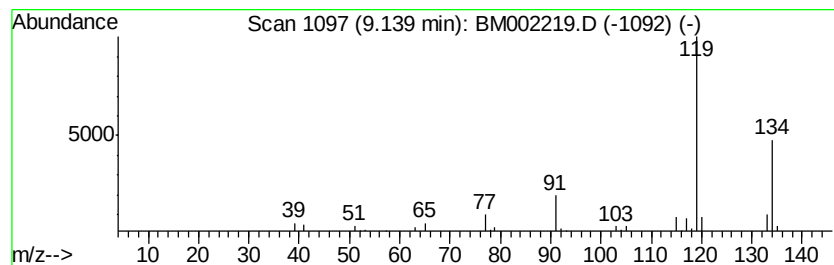
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	2.48 ng/ul	68396	Napthalene-d8	10.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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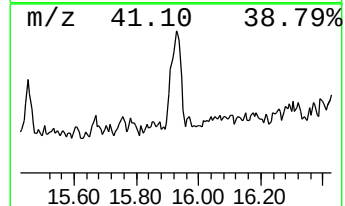
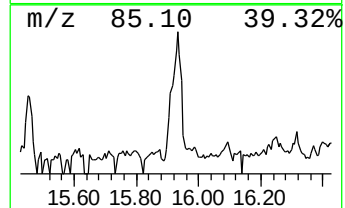
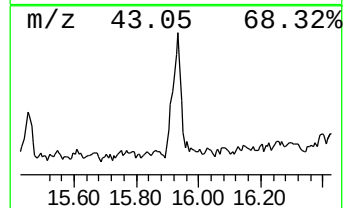
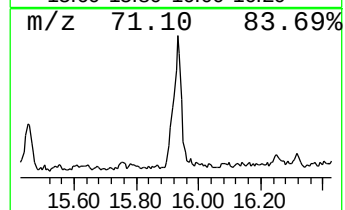
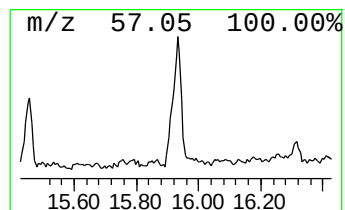
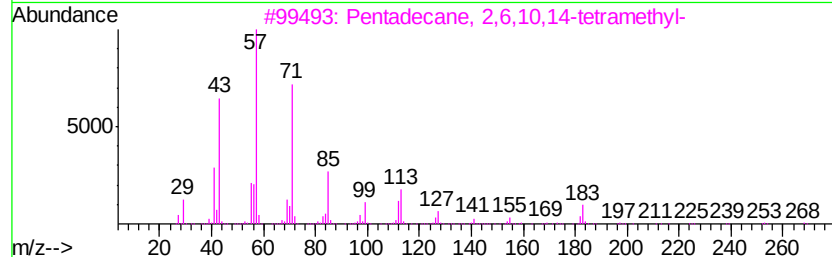
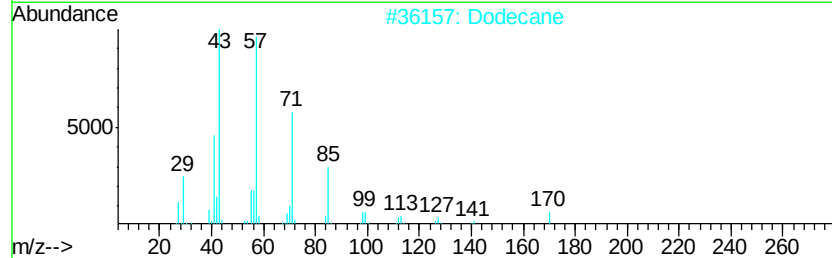
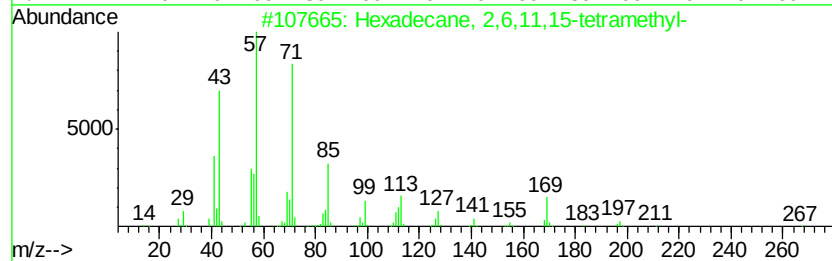
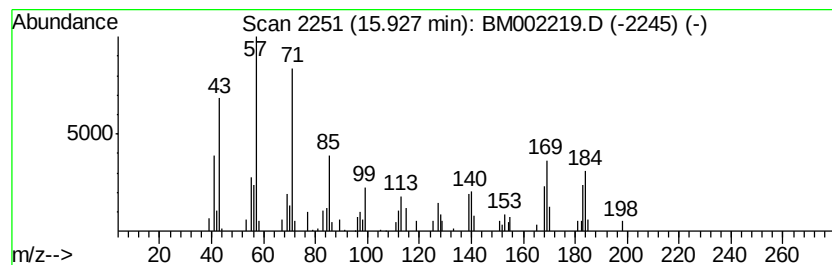
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.66 ng/ul	107656	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58
2		Dodecane	170	C12H26	000112-40-3	50
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	45
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	43
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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Sample : G3073-06
Misc :
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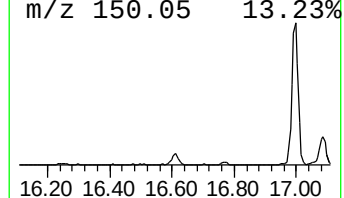
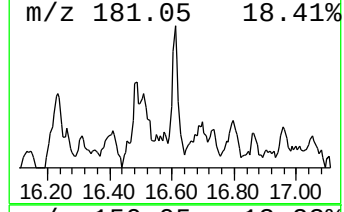
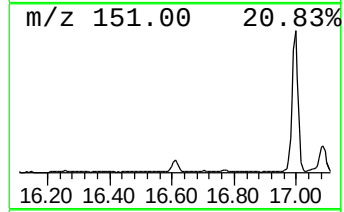
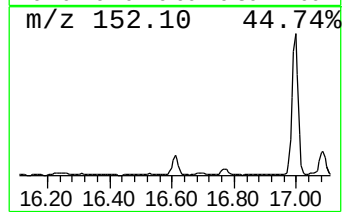
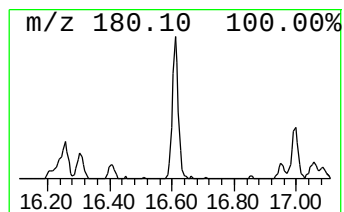
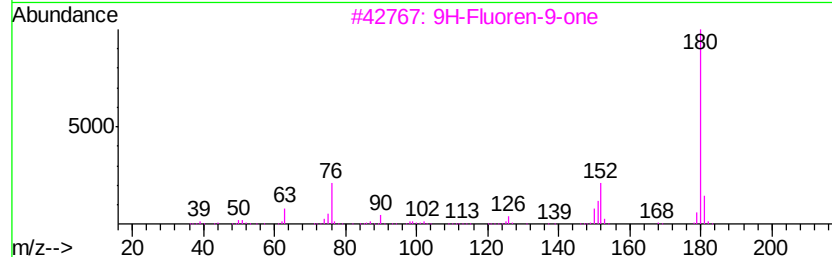
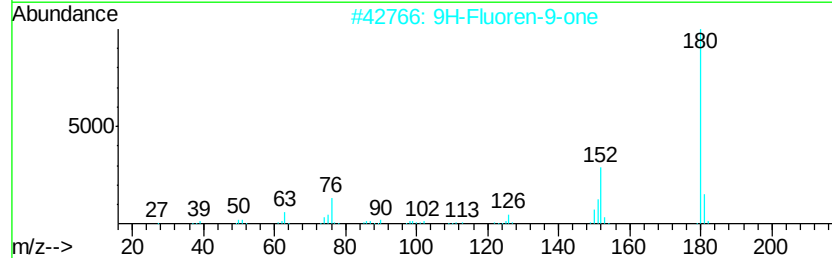
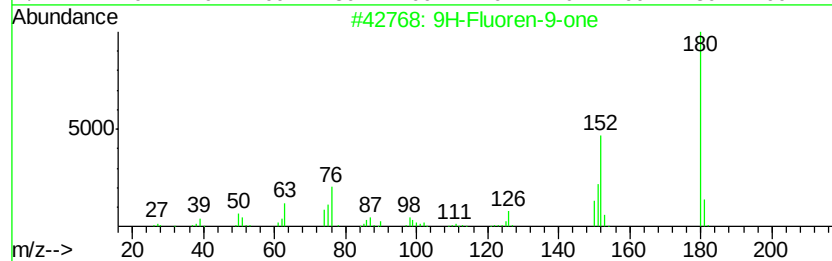
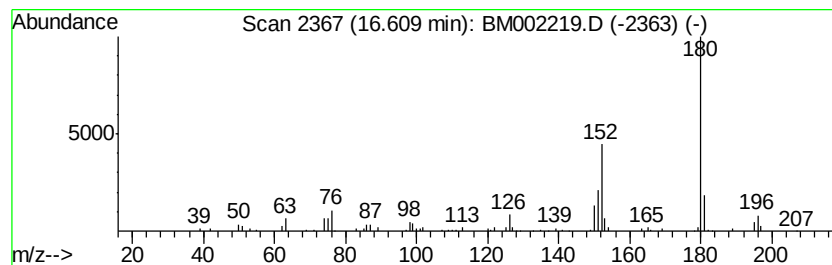
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 9H-Fluoren-9-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.36 ng/ul	95489	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
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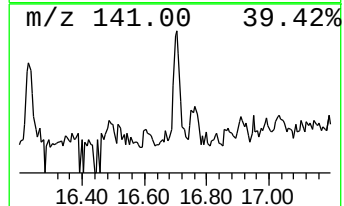
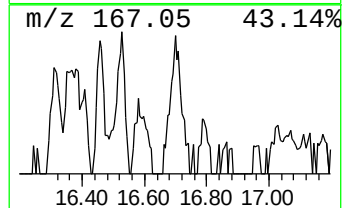
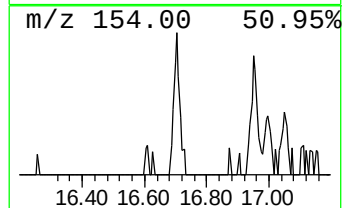
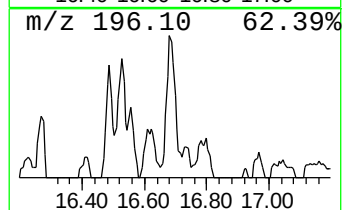
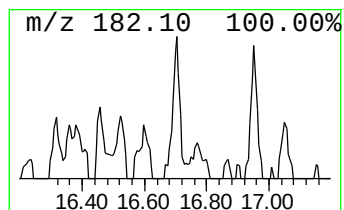
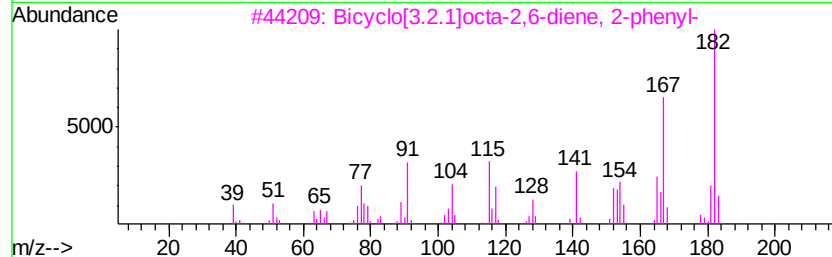
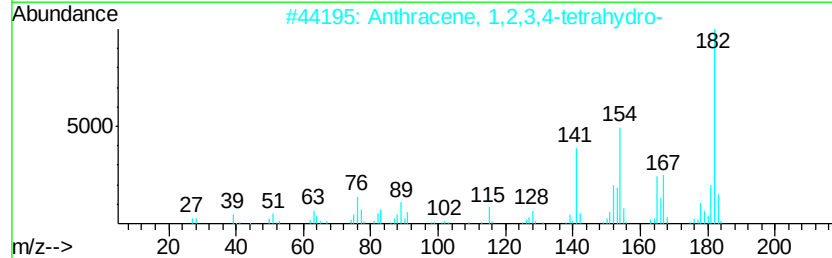
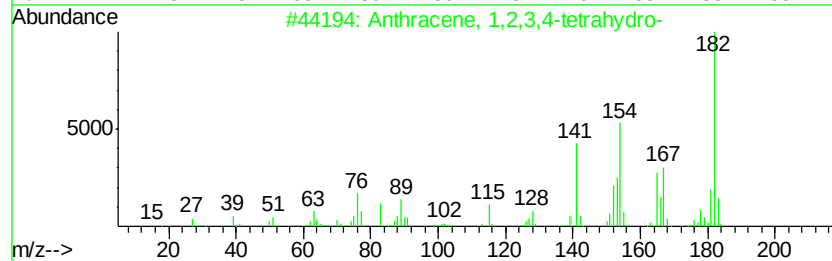
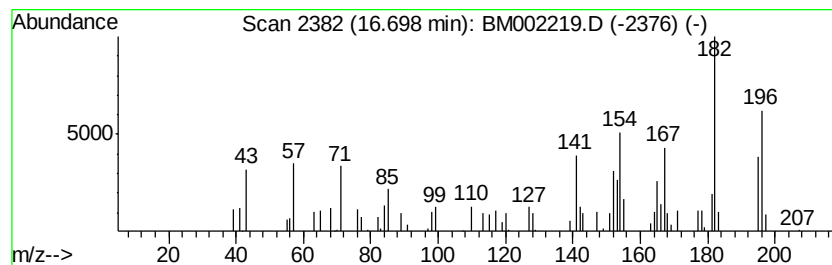
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.70	2.06 ng/ul	83458	Phenanthrene-d10		16.95	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	81
2		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	81
3		Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	58
4		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	53
5		9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	46



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

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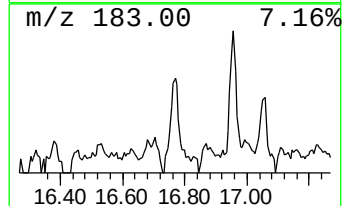
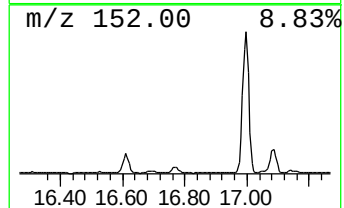
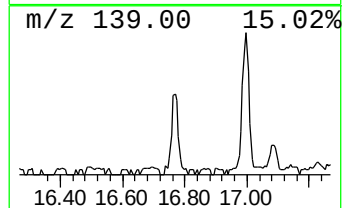
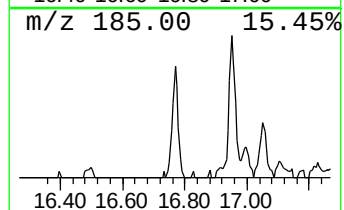
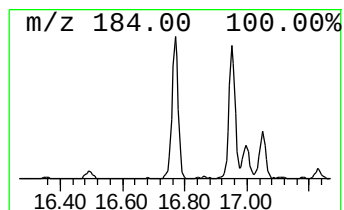
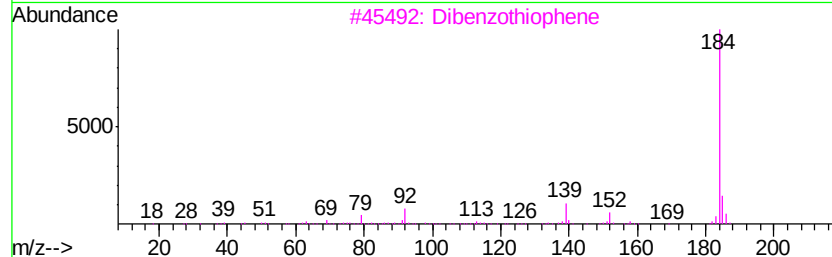
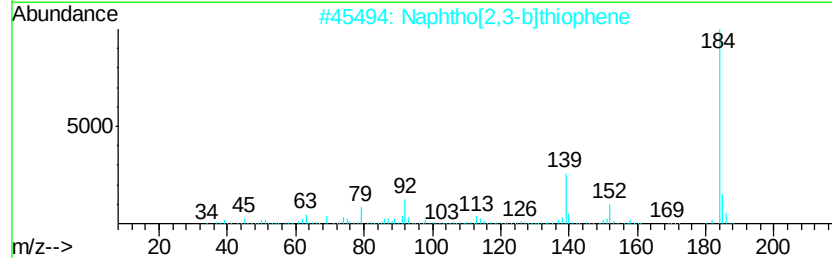
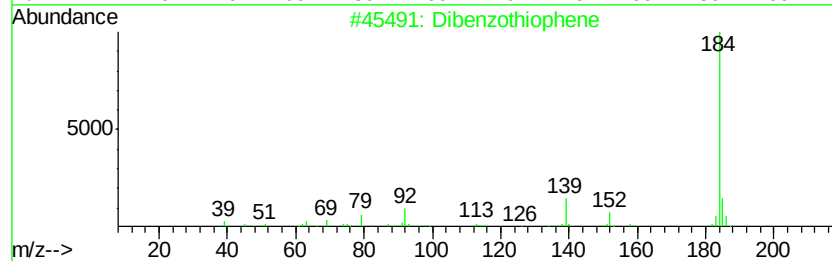
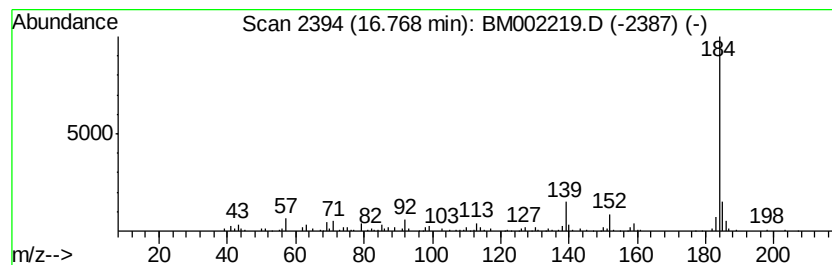
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.28 ng/ul	213859	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3		Dibenzothiophene	184	C12H8S	000132-65-0	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		Dibenzothiophene	184	C12H8S	000132-65-0	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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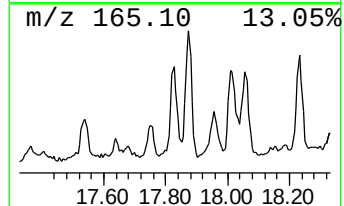
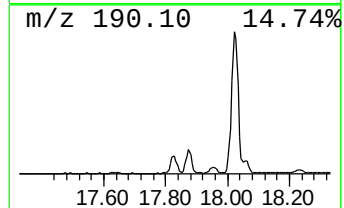
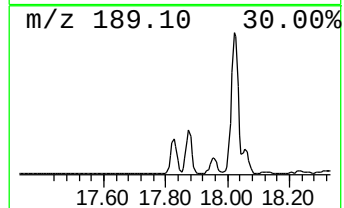
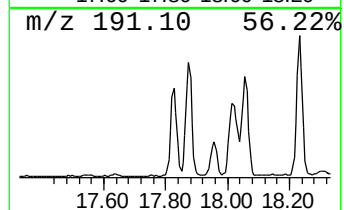
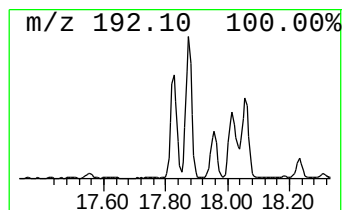
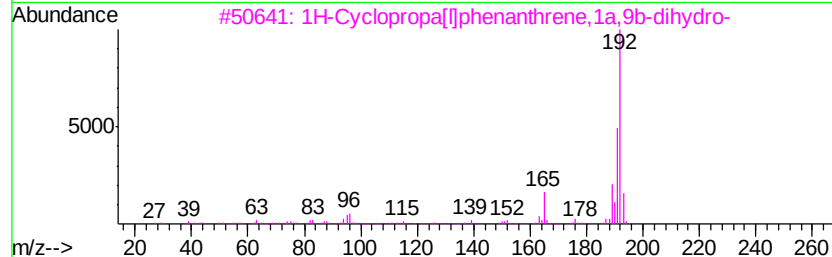
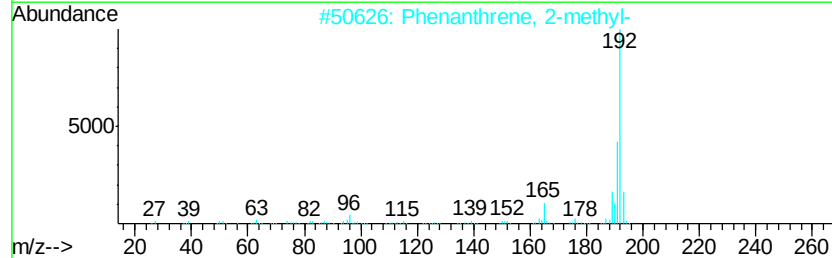
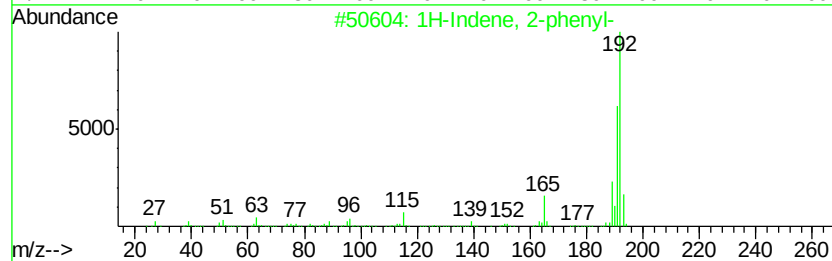
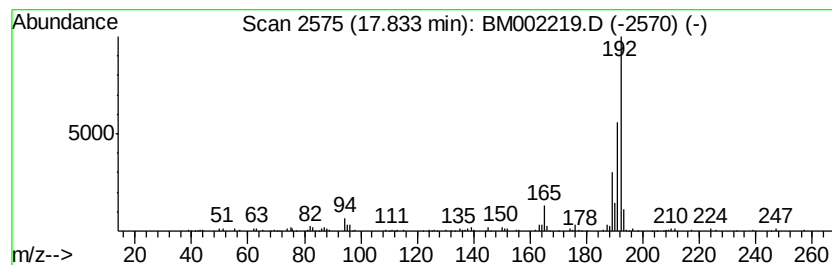
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1H-Indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.81 ng/ul	194525	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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Misc :
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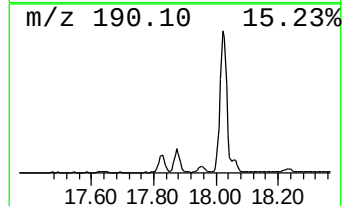
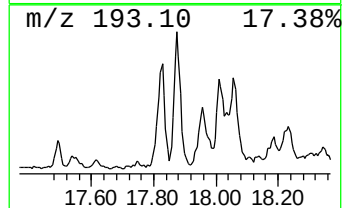
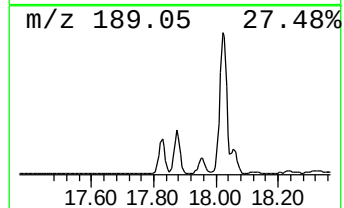
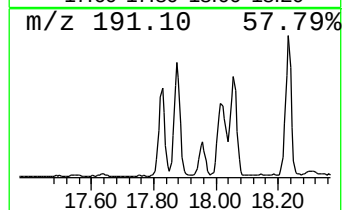
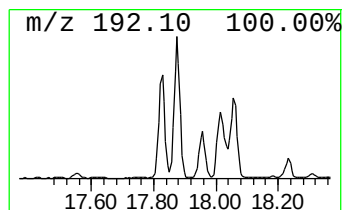
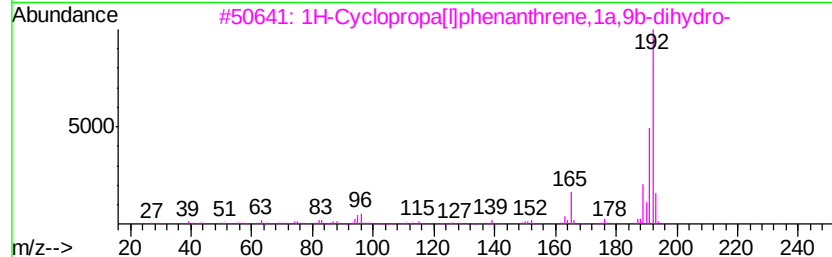
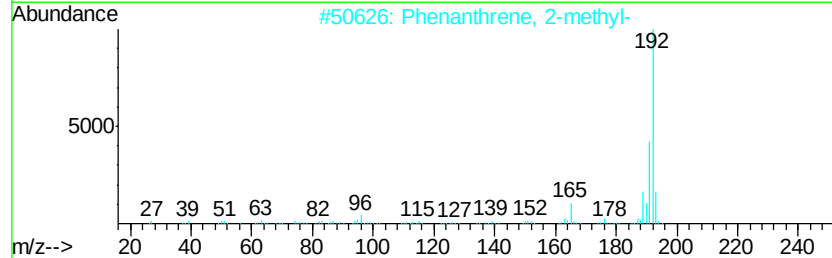
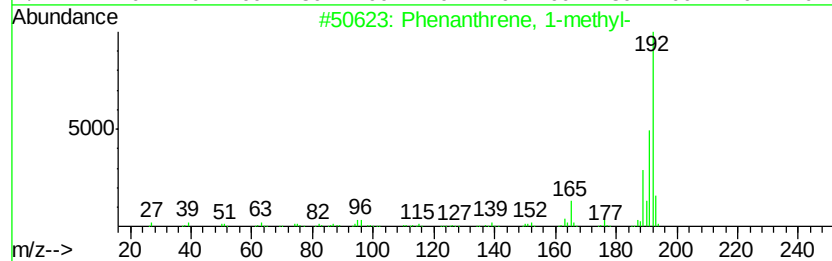
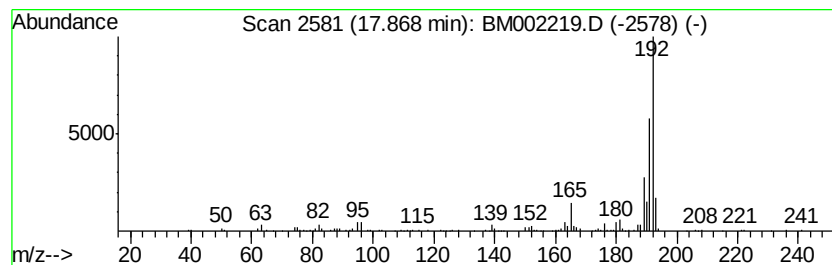
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	8.64 ng/ul	349708	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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Sample : G3073-06
Misc :
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Instrument :
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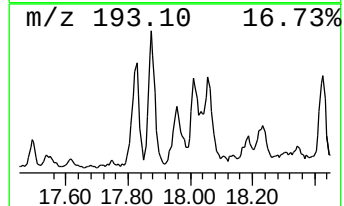
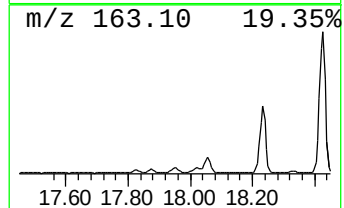
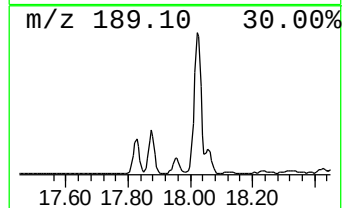
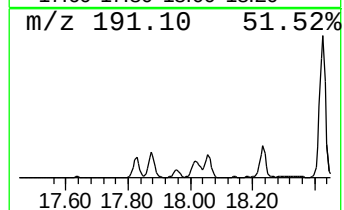
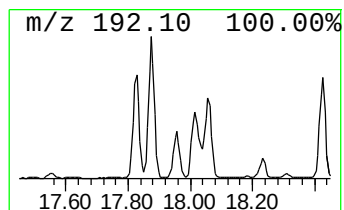
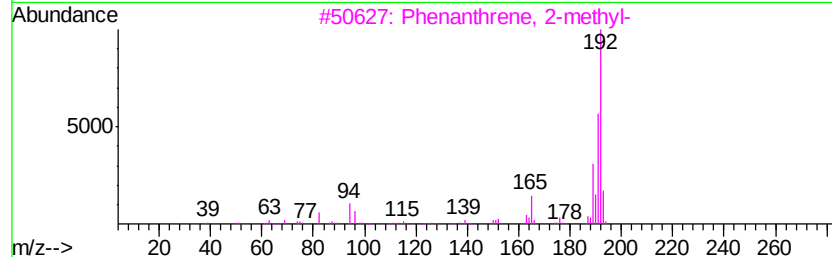
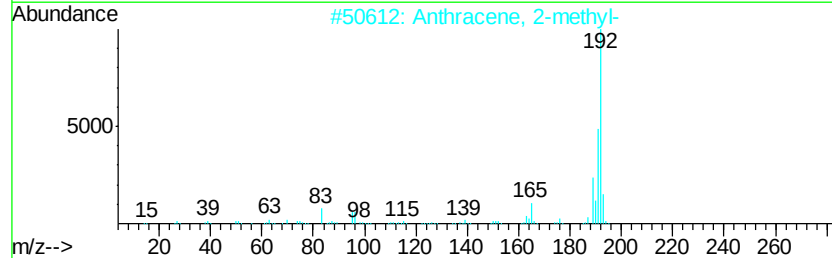
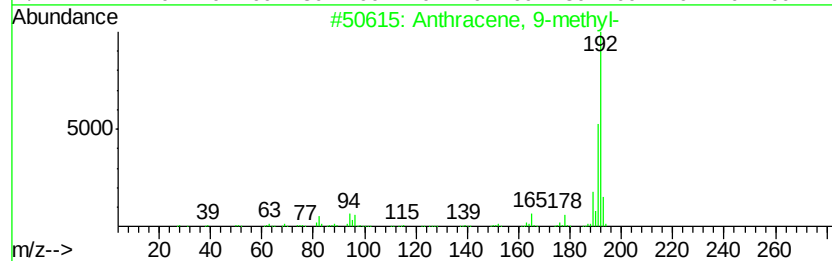
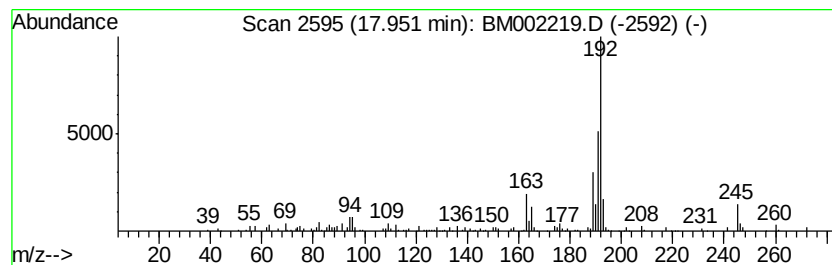
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Anthracene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.95 ng/ul	159913	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	70
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

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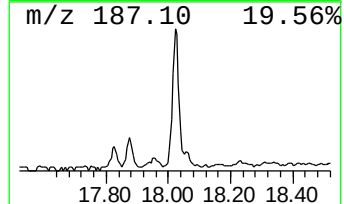
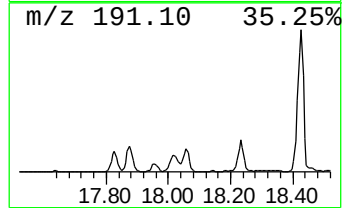
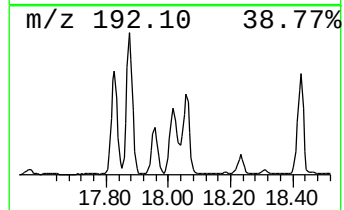
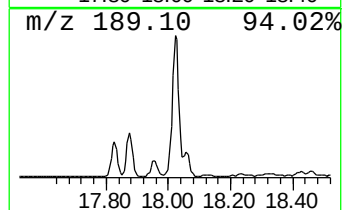
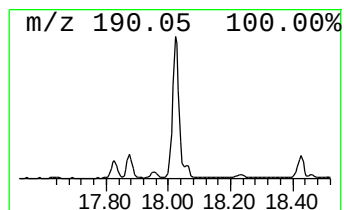
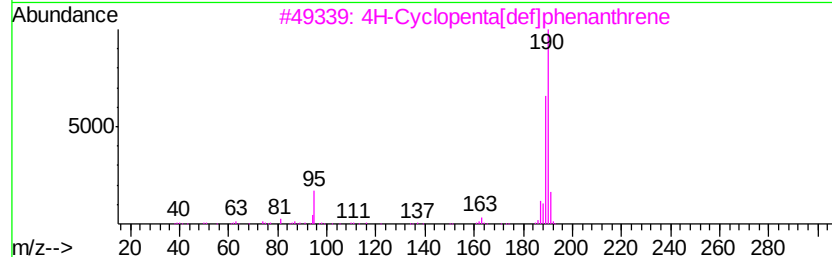
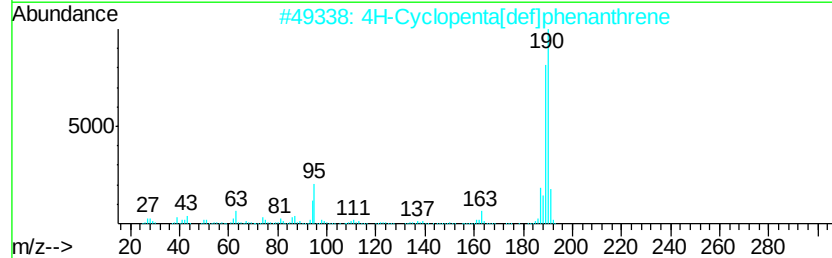
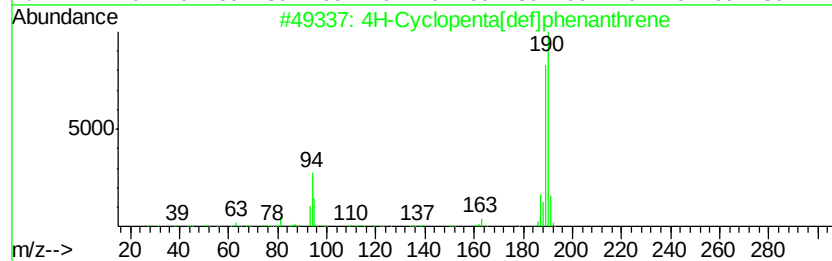
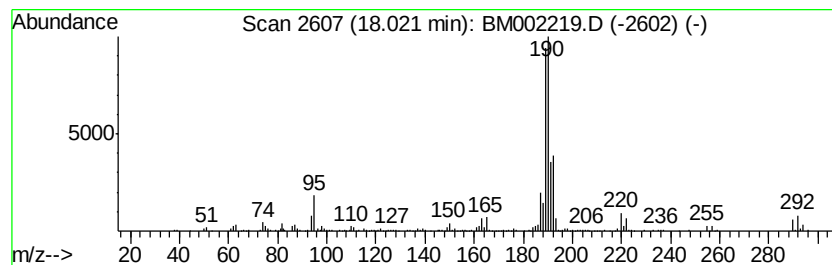
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	14.02 ng/ul	567529	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
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Sample : G3073-06
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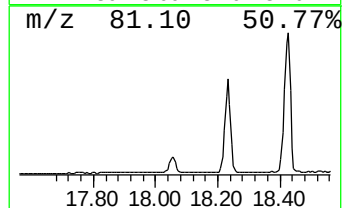
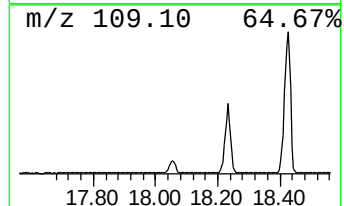
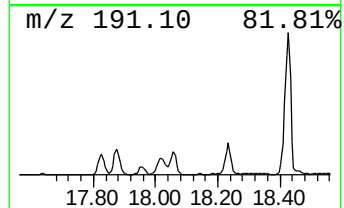
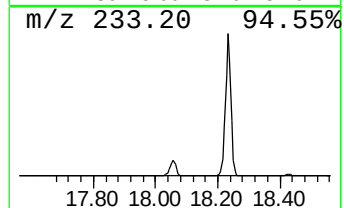
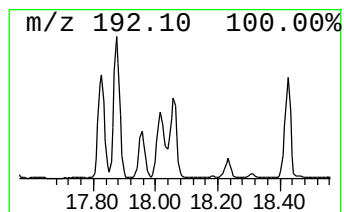
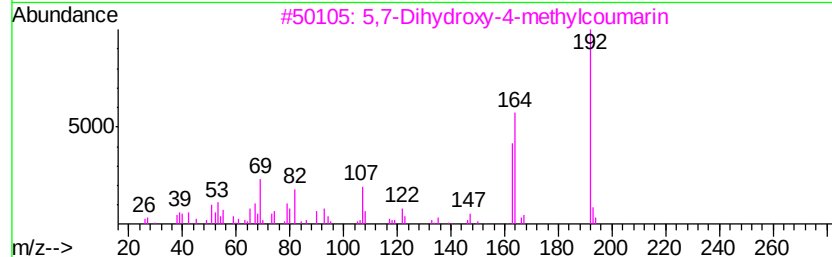
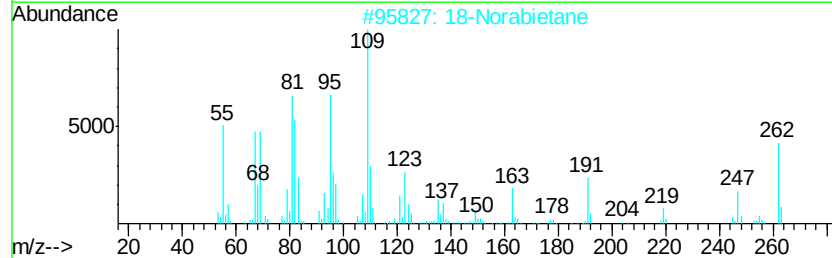
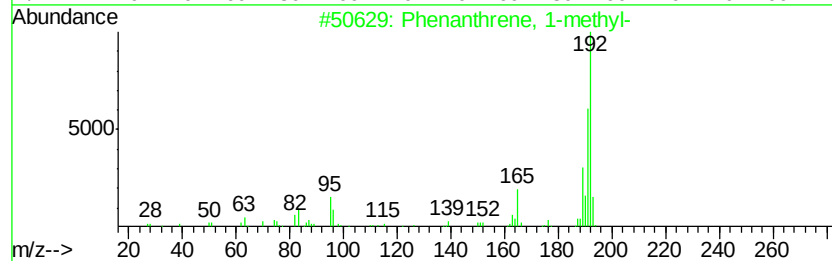
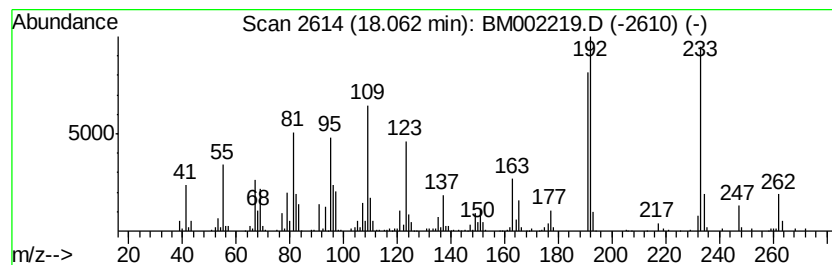
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	18.04 ng/ul	730142	Phenanthrene-d10	16.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Phenanthrene, 1-methyl-	192 C15H12	000832-69-9 35
2		18-Norabietane	262 C19H34	1000293-16-6 30
3		5,7-Dihydroxy-4-methylcoumarin	192 C10H8O4	002107-76-8 25
4		5H-Dibenzo[a,d]cycloheptene	192 C15H12	000256-81-5 25
5		Phenol, 2,6-bis(1,1-dimethylethy...	262 C18H30O	017540-75-9 25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
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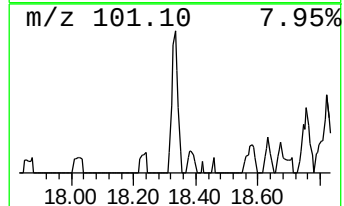
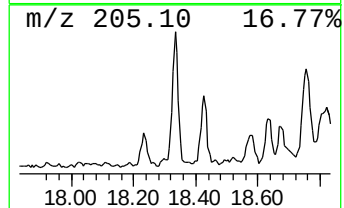
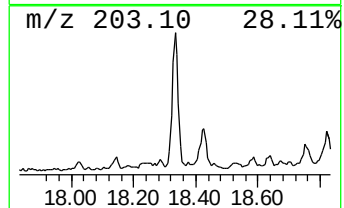
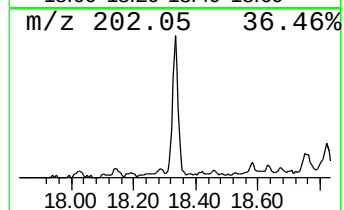
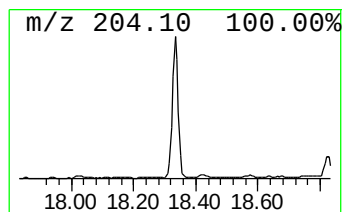
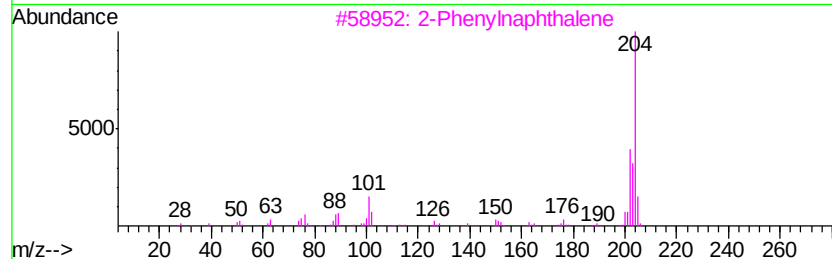
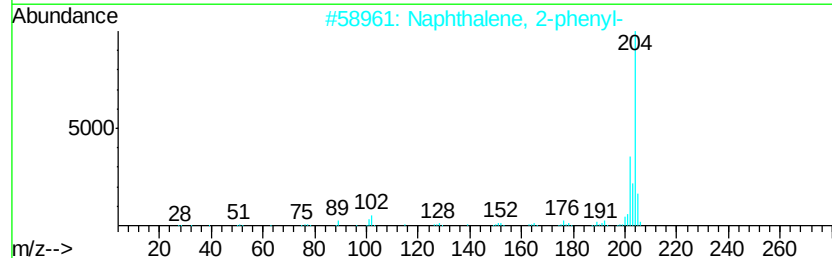
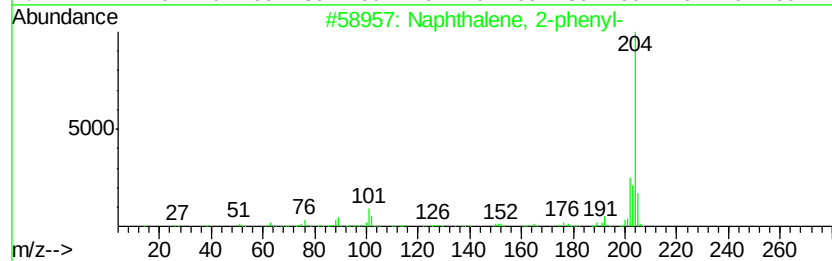
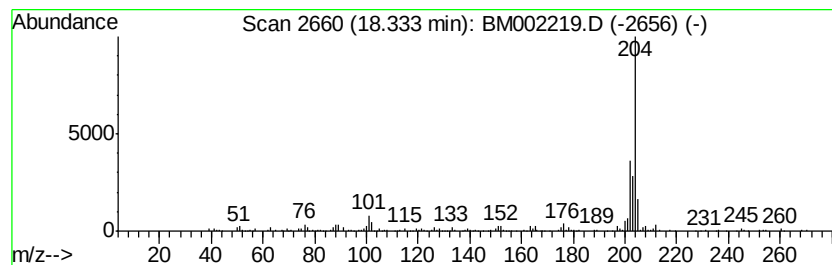
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.20 ng/ul	170148	Phenanthrene-d10	16.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3			2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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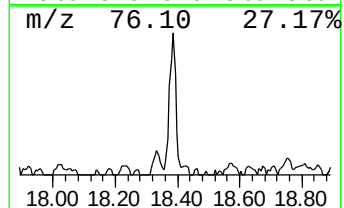
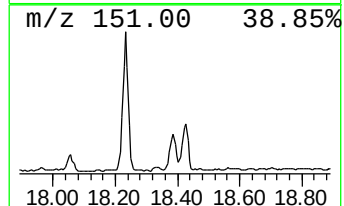
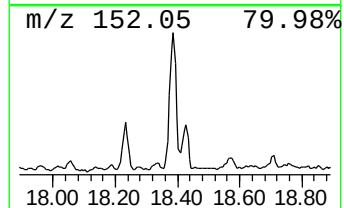
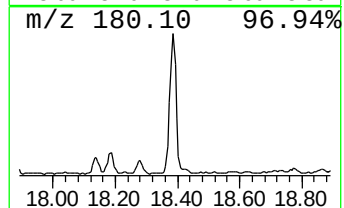
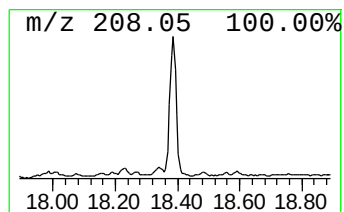
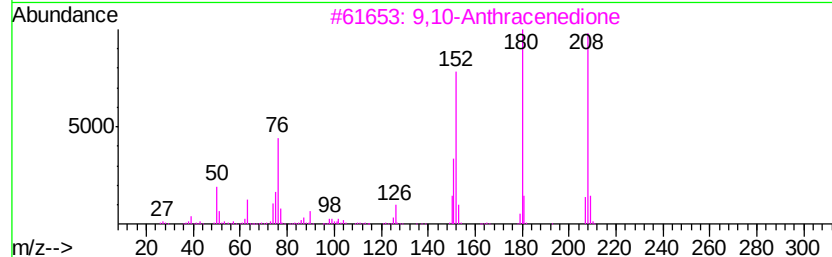
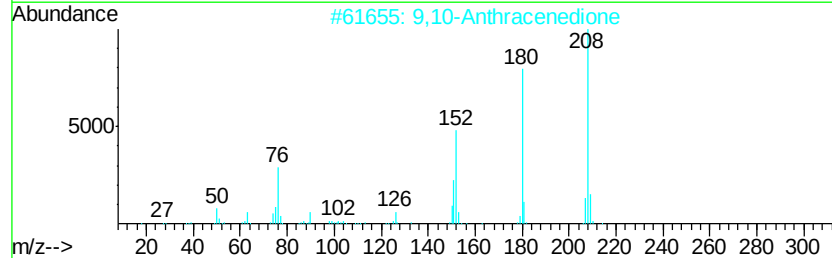
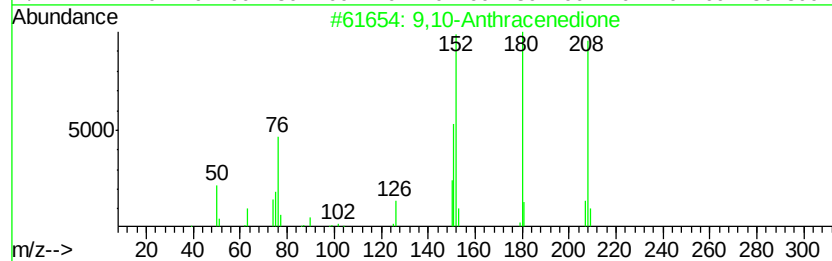
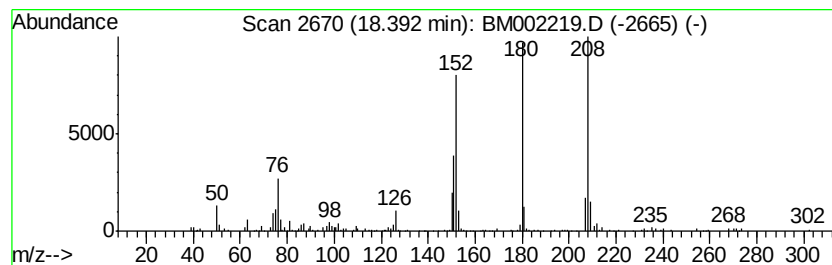
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	6.60 ng/ul	267315	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01N6

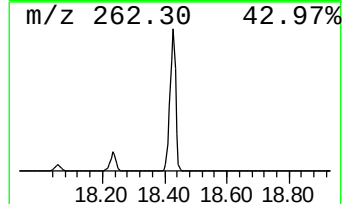
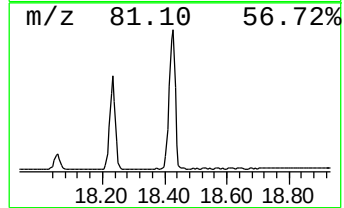
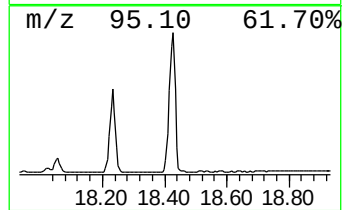
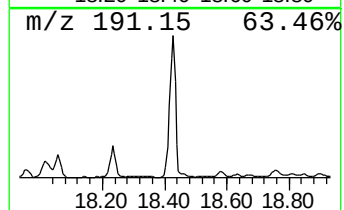
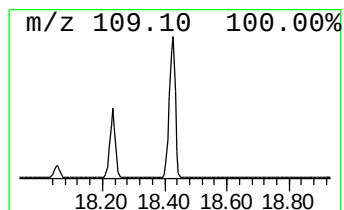
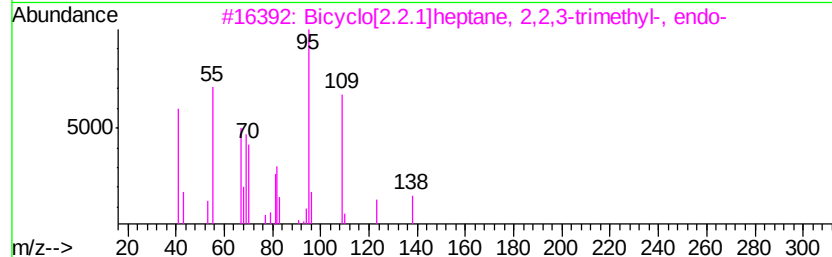
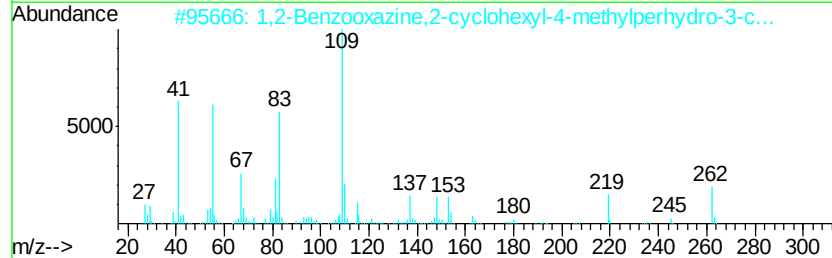
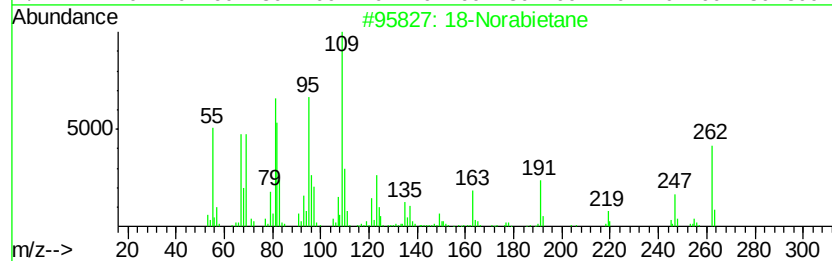
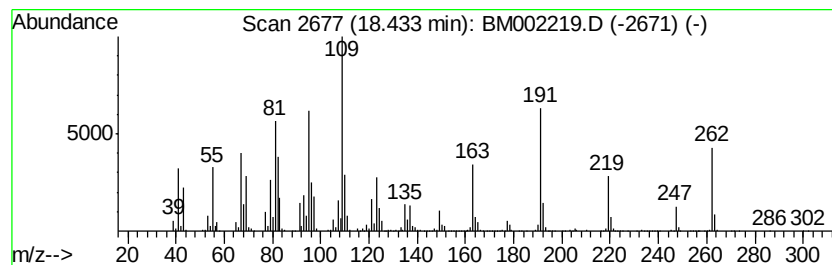
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	134.01 ng/ul	5425170	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	90
2		1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	35
3		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	27
4		Pyrazol-4-amine, 1-(4-fluorobenz...	219	C12H14FN3	1000272-83-8	27
5		8-Hexadecyne	222	C16H30	019781-86-3	22



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
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Sample : G3073-06
Misc :
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ClientSampleId :
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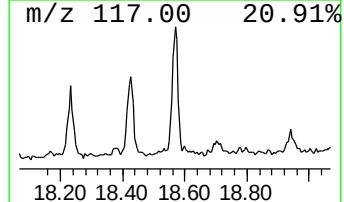
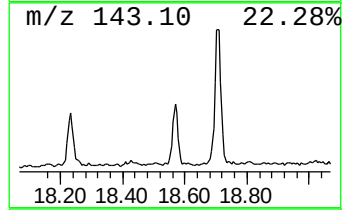
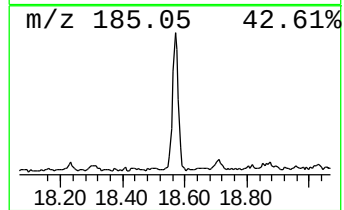
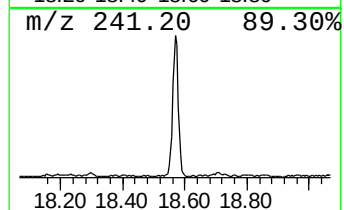
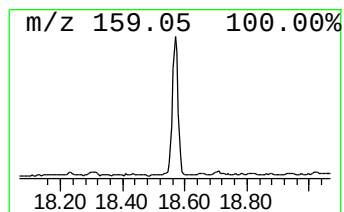
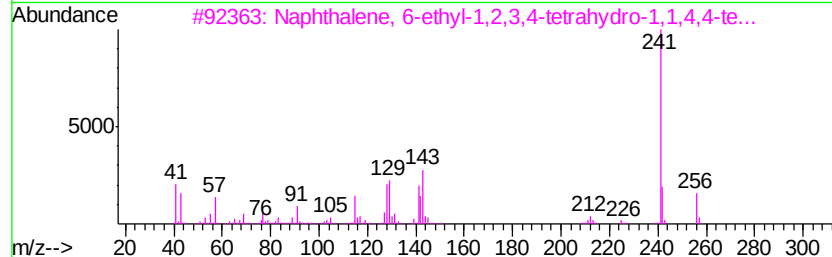
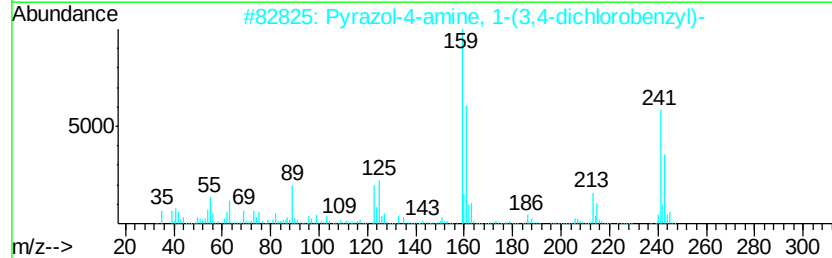
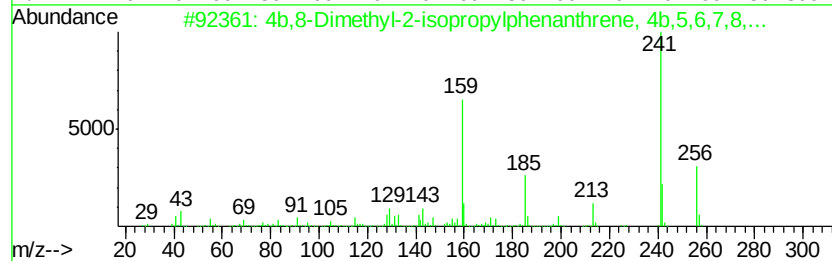
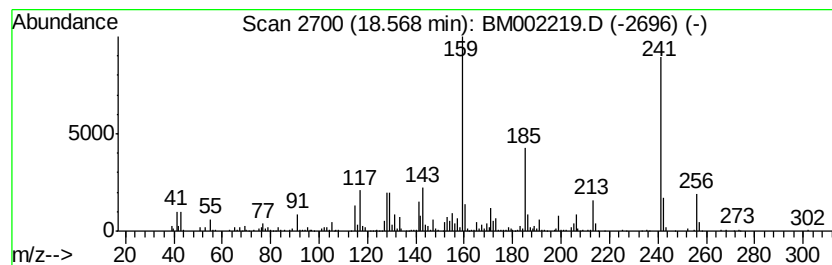
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	9.27 ng/ul	375206	Phenanthrene-d10	16.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2		Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	43
3		Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	43
4		3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15N02	1000212-95-2	35
5		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	27



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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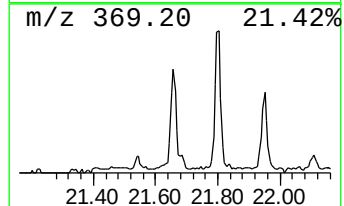
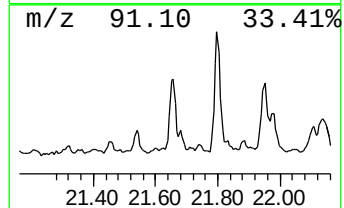
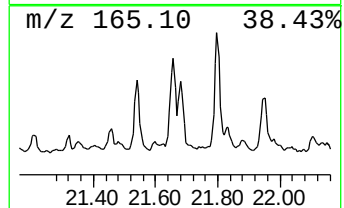
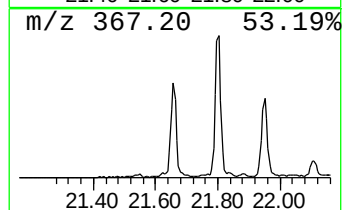
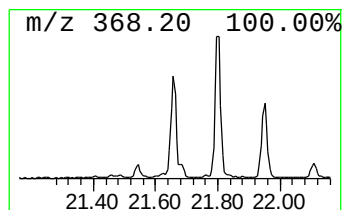
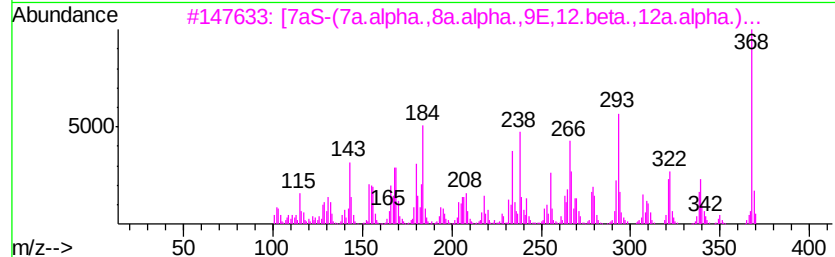
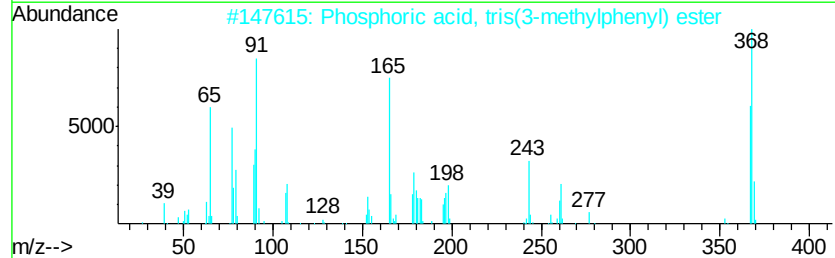
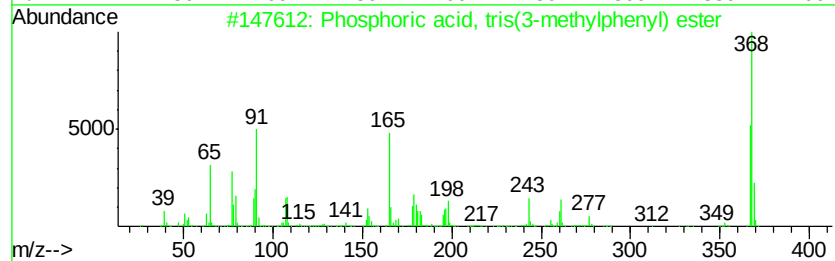
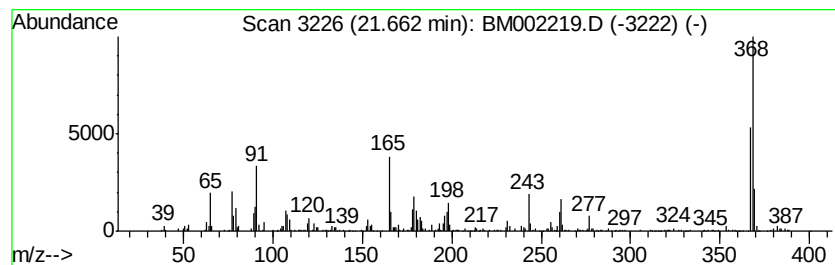
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 Phosphoric acid, tris(3-met... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	2.60 ng/ul	371815	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3		[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	68
4		Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	49
5		Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	49



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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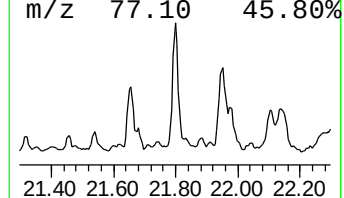
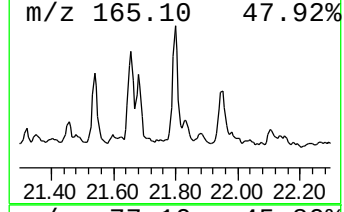
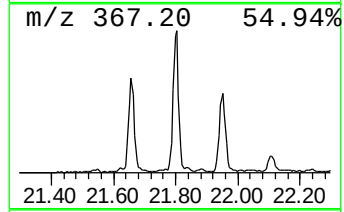
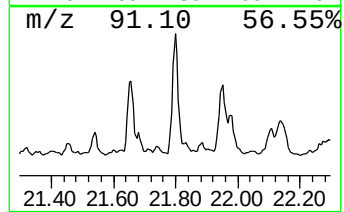
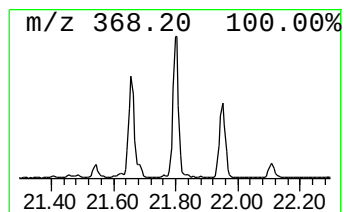
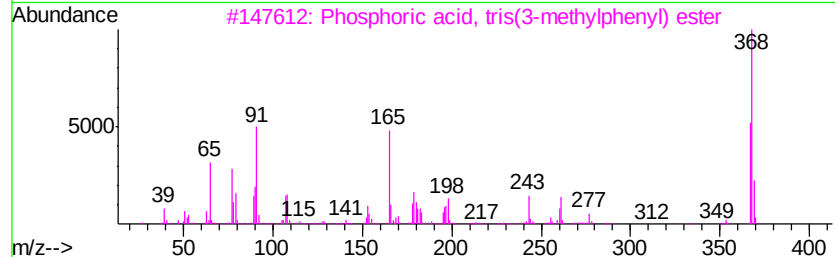
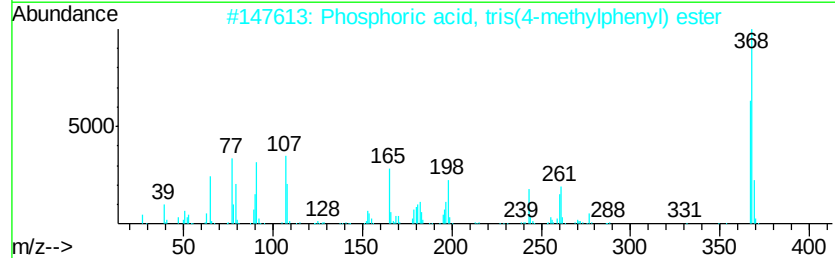
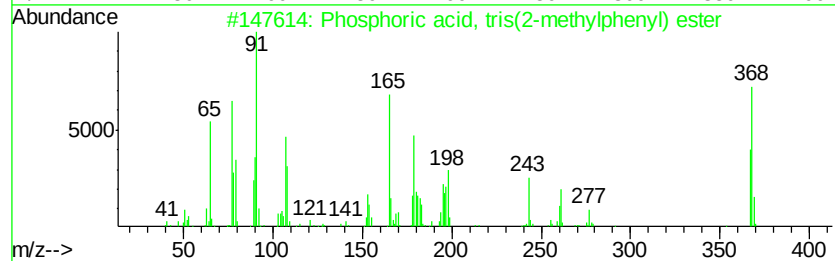
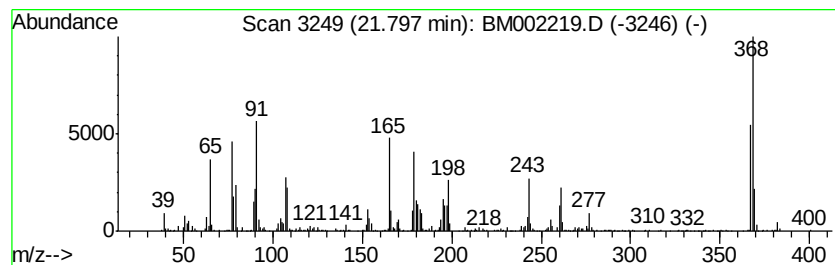
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 Phosphoric acid, tris(2-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	5.87 ng/ul	840359	Chrysene-d12	21.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99
2		Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
3		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
4		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
5		[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	90



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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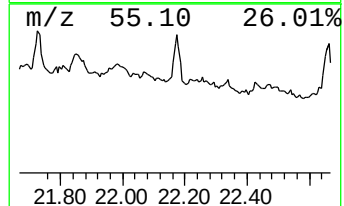
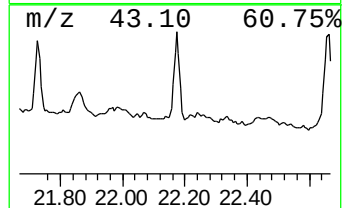
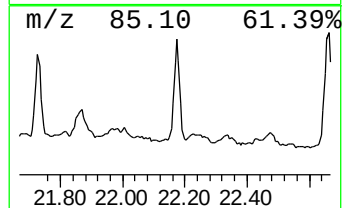
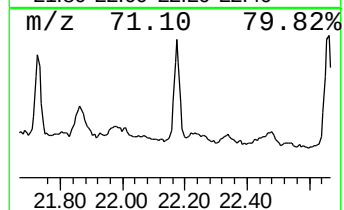
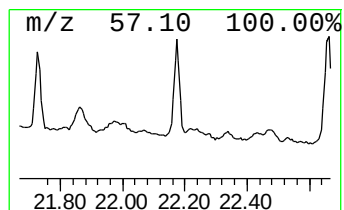
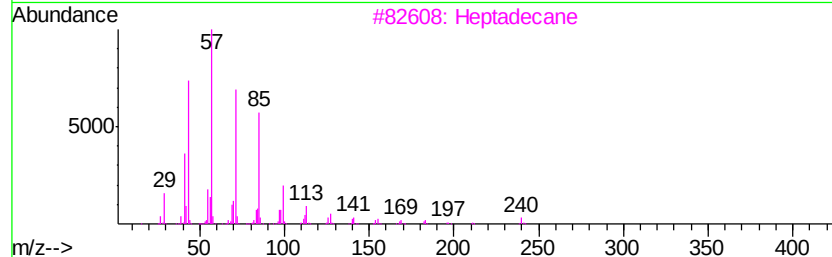
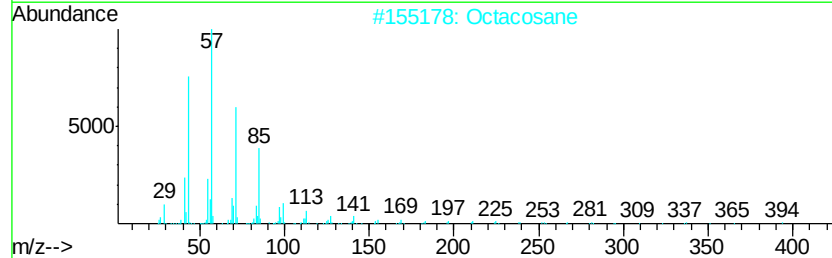
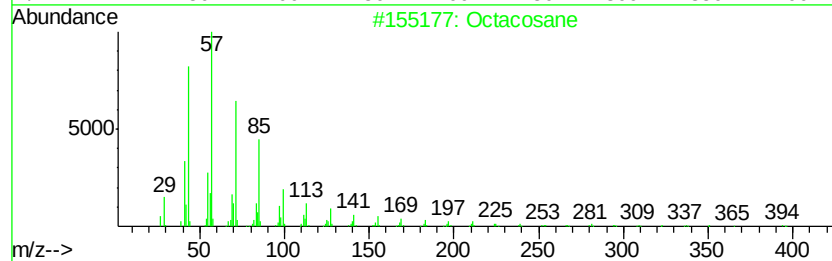
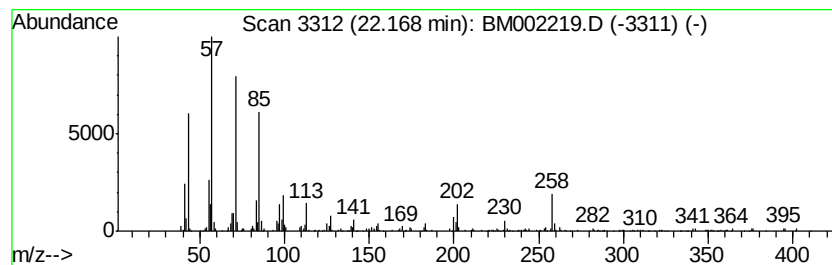
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	3.64 ng/ul	520560	Chrysene-d12	21.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	95
2			Octacosane	394	C28H58	000630-02-4	93
3			Heptadecane	240	C17H36	000629-78-7	90
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	89
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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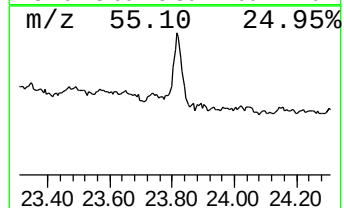
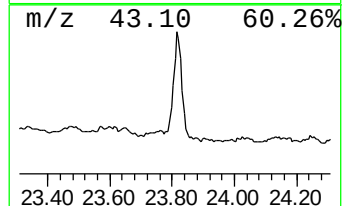
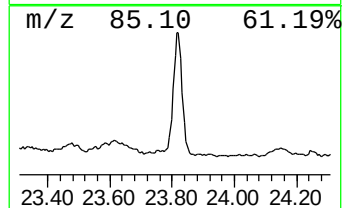
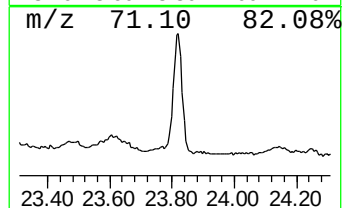
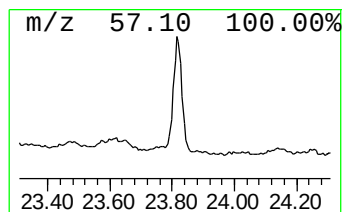
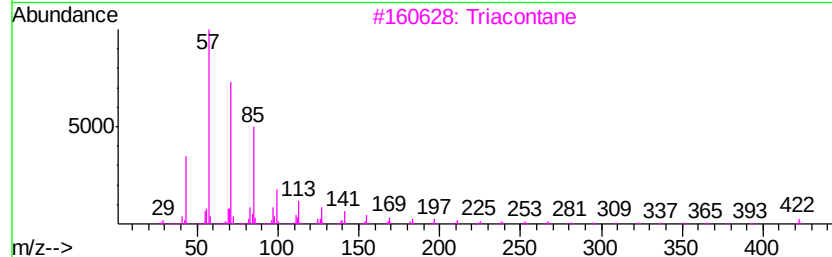
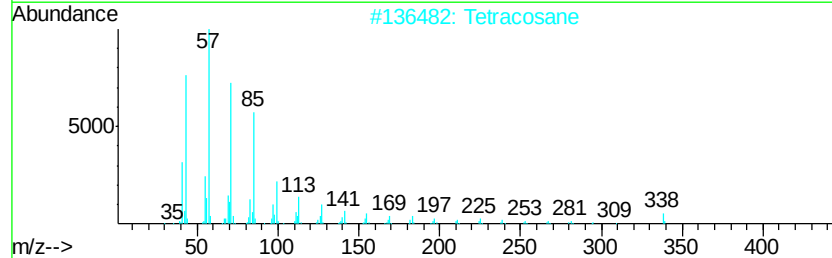
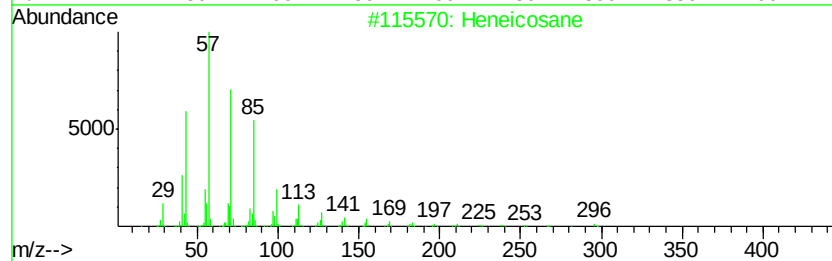
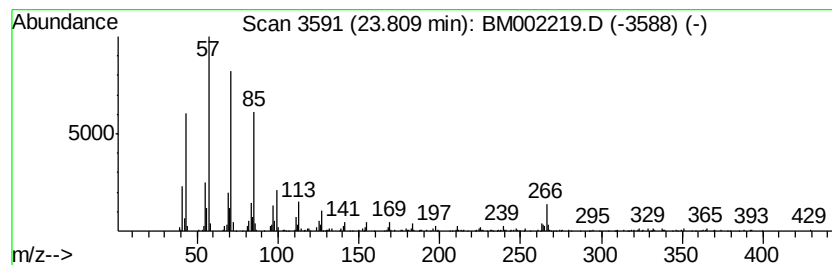
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Quant Title : SVOA CALIBRATION

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	23.33 ng/ul	754314	Perylene-d12	23.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Tetracosane	338	C24H50	000646-31-1	90
3		triacontane	422	C30H62	000638-68-6	90
4		Tetratriacontane	479	C34H70	014167-59-0	90
5		Pentacosane	352	C25H52	000629-99-2	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002219.D
Acq On : 04 Aug 2015 20:52
Operator : TP/UM
Sample : G3073-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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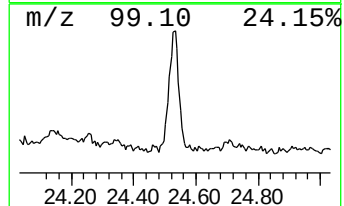
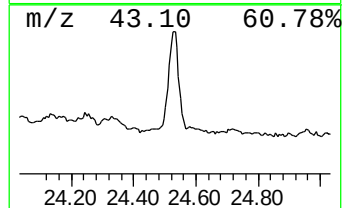
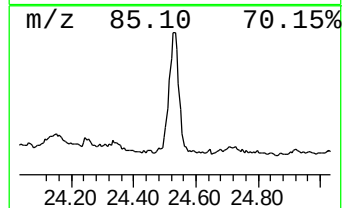
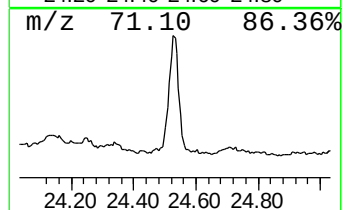
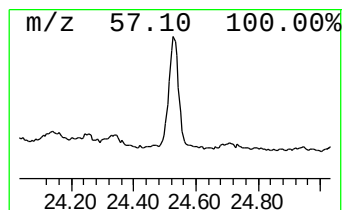
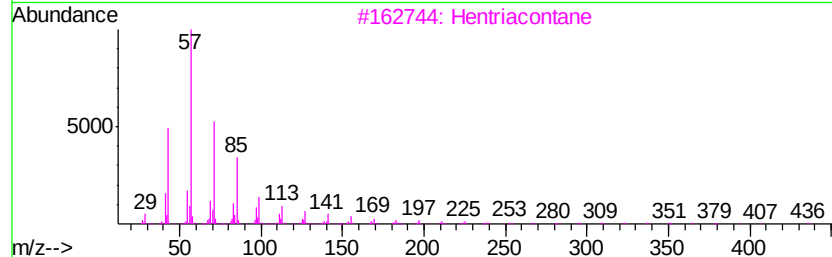
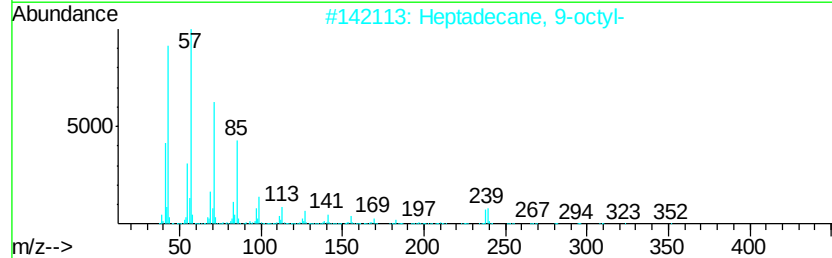
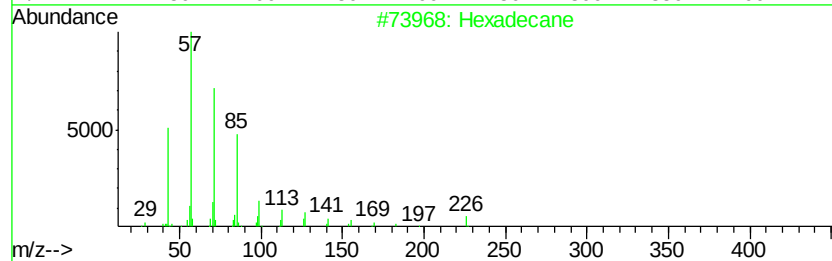
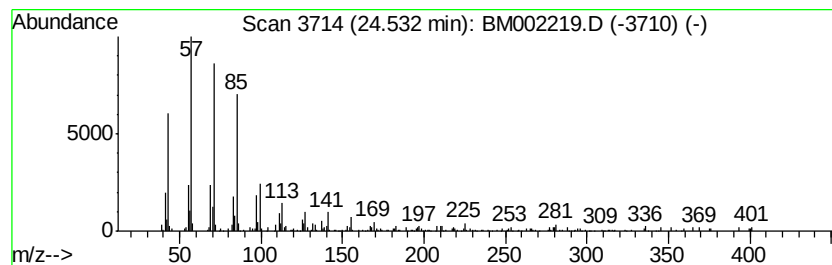
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.53	11.66 ng/ul	377190	Perylene-d12	23.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Hentriacontane	437	C31H64	000630-04-6	91
4		Pentacosane	352	C25H52	000629-99-2	91
5		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002219.D
 Acq On : 04 Aug 2015 20:52
 Operator : TP/UM
 Sample : G3073-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01N6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1,3-dime...	5.16	12.5	ng/ul	248193	1	7.52	397509	20.0
Benzene, 1-ethyl-...	6.60	4.1	ng/ul	80771	1	7.52	397509	20.0
Benzene, 1,4-diet...	8.00	2.1	ng/ul	41411	1	7.52	397509	20.0
Benzene, 1,2-diet...	8.15	4.3	ng/ul	84545	1	7.52	397509	20.0
Benzene, 1-methyl...	8.62	5.4	ng/ul	107545	1	7.52	397509	20.0
Benzene, 1,2,4,5-...	9.14	2.5	ng/ul	68396	2	10.31	552060	20.0
(DEL) Alkane: Str...	15.93	2.7	ng/ul	107656	4	16.95	809668	20.0
9H-Fluoren-9-one	16.61	2.4	ng/ul	95489	4	16.95	809668	20.0
Anthracene, 1,2,3...	16.70	2.1	ng/ul	83458	4	16.95	809668	20.0
Dibenzothiophene	16.77	5.3	ng/ul	213859	4	16.95	809668	20.0
1H-Indene, 2-phenyl-	17.83	4.8	ng/ul	194525	4	16.95	809668	20.0
Phenanthrene, 1-m...	17.87	8.6	ng/ul	349708	4	16.95	809668	20.0
Anthracene, 9-met...	17.95	4.0	ng/ul	159913	4	16.95	809668	20.0
4H-Cyclopenta[def...	18.02	14.0	ng/ul	567529	4	16.95	809668	20.0
unknown-01	18.06	18.0	ng/ul	730142	4	16.95	809668	20.0
Naphthalene, 2-ph...	18.33	4.2	ng/ul	170148	4	16.95	809668	20.0
9,10-Anthracenedione	18.39	6.6	ng/ul	267315	4	16.95	809668	20.0
18-Norabietane	18.43	134.0	ng/ul	5425170	4	16.95	809668	20.0
4b,8-Dimethyl-2-i...	18.57	9.3	ng/ul	375206	4	16.95	809668	20.0
10,18-Bisnorabiet...	18.71	5.7	ng/ul	231650	4	16.95	809668	20.0
Phosphoric acid, ...	21.66	2.6	ng/ul	371815	5	21.16	2861520	20.0
Phosphoric acid, ...	21.80	5.9	ng/ul	840359	5	21.16	2861520	20.0
(DEL) Alkane: Str...	22.17	3.6	ng/ul	520560	5	21.16	2861520	20.0
(DEL) Alkane: Str...	23.81	23.3	ng/ul	754314	6	23.35	646758	20.0
(DEL) Alkane: Str...	24.53	11.7	ng/ul	377190	6	23.35	646758	20.0