

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002135.D
 Acq On : 30 Jul 2015 14:14
 Operator : TP/UM
 Sample : G3030-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.775	690	695	706	rVB	413155	683534	3.67%	0.386%
2	6.934	714	722	727	rBV	299972	463292	2.49%	0.261%
3	7.122	748	754	763	rVB	427830	677559	3.64%	0.382%
4	7.587	824	833	841	rBV	460630	736340	3.95%	0.416%
5	8.310	949	956	963	rBV	523539	821876	4.41%	0.464%
6	8.751	1024	1031	1037	rVV	386684	625840	3.36%	0.353%
7	9.469	1147	1153	1164	rVB	337544	556810	2.99%	0.314%
8	10.010	1239	1245	1253	rVB	524406	863118	4.63%	0.487%
9	10.380	1297	1308	1313	rBV	618321	1061348	5.70%	0.599%
10	10.427	1313	1316	1326	rVB	149035	232747	1.25%	0.131%
11	10.533	1326	1334	1347	rBV	235829	451553	2.42%	0.255%
12	12.051	1584	1592	1600	rVB	139900	221226	1.19%	0.125%
13	12.274	1624	1630	1637	rVB	122923	187564	1.01%	0.106%
14	13.568	1844	1850	1855	rBV2	109681	196990	1.06%	0.111%
15	13.668	1862	1867	1871	rVV	817190	1153625	6.19%	0.651%
16	13.716	1871	1875	1881	rVV	445745	612473	3.29%	0.346%
17	13.945	1908	1914	1928	rVB	866473	1420064	7.62%	0.801%
18	14.257	1960	1967	1973	rVV2	834690	1272275	6.83%	0.718%
19	14.321	1973	1978	1985	rVB	1009351	1460798	7.84%	0.824%
20	14.486	1996	2006	2013	rBV2	284086	519218	2.79%	0.293%
21	14.657	2027	2035	2043	rVB	379788	595038	3.19%	0.336%
22	15.257	2130	2137	2141	rBV	1042102	1504343	8.07%	0.849%
23	15.310	2141	2146	2156	rVB	789882	1137832	6.11%	0.642%
24	15.398	2156	2161	2164	rBV2	177365	259566	1.39%	0.146%
25	15.468	2169	2173	2177	rVV2	186791	315537	1.69%	0.178%
26	15.515	2177	2181	2185	rVV2	257487	408099	2.19%	0.230%
27	15.604	2191	2196	2205	rVB	148734	258176	1.39%	0.146%
28	15.751	2217	2221	2229	rVB2	154127	327903	1.76%	0.185%
29	15.986	2254	2261	2267	rVB7	109122	265987	1.43%	0.150%
30	16.309	2310	2316	2321	rVB5	135693	278309	1.49%	0.157%
31	16.533	2347	2354	2359	rBV6	175787	428209	2.30%	0.242%
32	16.662	2372	2376	2382	rVB	236609	354002	1.90%	0.200%
33	16.774	2385	2395	2399	rVV4	590262	1046893	5.62%	0.591%
34	16.827	2399	2404	2409	rVV	438515	645735	3.46%	0.364%

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35	16.886	2409	2414	2418	rVV2	395076	624217	3.35%	0.352%
36	16.927	2418	2421	2426	rVB	219854	269270	1.44%	0.152%
37	17.009	2430	2435	2438	rVV	854628	1450377	7.78%	0.819%
38	17.062	2438	2444	2448	rVV	7497220	11107111	59.60%	6.269%
39	17.109	2448	2452	2455	rVV	1147868	1662995	8.92%	0.939%
40	17.145	2455	2458	2462	rVV	1912417	2557748	13.72%	1.444%
41	17.186	2462	2465	2472	rVB4	324958	596114	3.20%	0.336%
42	17.392	2496	2500	2501	rBV2	213426	261228	1.40%	0.147%
43	17.421	2501	2505	2509	rVB	679702	953095	5.11%	0.538%
44	17.609	2530	2537	2543	rVB2	825995	1729669	9.28%	0.976%
45	17.733	2553	2558	2563	rVB3	274457	492758	2.64%	0.278%
46	17.886	2575	2584	2586	rBV2	693388	1353957	7.27%	0.764%
47	17.933	2586	2592	2596	rVB	981168	1711832	9.19%	0.966%
48	17.974	2596	2599	2603	rBV	526768	648966	3.48%	0.366%
49	18.015	2603	2606	2611	rVB	403584	524755	2.82%	0.296%
50	18.080	2611	2617	2621	rBV3	1917071	3018796	16.20%	1.704%
51	18.186	2630	2635	2640	rVB2	326606	526740	2.83%	0.297%
52	18.368	2662	2666	2667	rBV	419411	516190	2.77%	0.291%
53	18.392	2667	2670	2674	rVV	550963	806201	4.33%	0.455%
54	18.439	2675	2678	2681	rVB	380015	448101	2.40%	0.253%
55	18.509	2687	2690	2693	rBV2	156503	187816	1.01%	0.106%
56	18.545	2693	2696	2700	rVB2	229954	280179	1.50%	0.158%
57	18.639	2708	2712	2716	rVB3	230703	340498	1.83%	0.192%
58	18.686	2718	2720	2724	rVB	142360	152645	0.82%	0.086%
59	18.809	2738	2741	2745	rBV2	163986	222286	1.19%	0.125%
60	18.915	2756	2759	2761	rBV2	234972	306890	1.65%	0.173%
61	18.945	2761	2764	2773	rVB3	506165	1125261	6.04%	0.635%
62	19.098	2781	2790	2794	rBV	10301989	16303637	87.48%	9.201%
63	19.139	2794	2797	2801	rVV2	274430	444226	2.38%	0.251%
64	19.227	2808	2812	2816	rVB2	754641	1002766	5.38%	0.566%
65	19.292	2819	2823	2826	rBV3	300354	471163	2.53%	0.266%
66	19.327	2826	2829	2833	rVB	288086	392483	2.11%	0.222%
67	19.462	2840	2852	2858	rBV2	8871828	18636436	100.00%	10.518%
68	19.515	2858	2861	2866	rVV2	420205	567464	3.04%	0.320%
69	19.562	2866	2869	2873	rVV	251336	290061	1.56%	0.164%
70	19.627	2876	2880	2884	rVV	596879	949701	5.10%	0.536%
71	19.674	2884	2888	2895	rVB2	742007	1523936	8.18%	0.860%

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Integration Parameters: LSCINT.P

Integrator: RTE
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72	19.768	2900	2904	2905	rBV	419949	559305	3.00%	0.316%
73	19.945	2924	2934	2938	rBV	1617459	3229864	17.33%	1.823%
74	19.992	2938	2942	2947	rBV2	557043	645295	3.46%	0.364%
75	20.045	2947	2951	2955	rBV	1187404	1551564	8.33%	0.876%
76	20.139	2964	2967	2971	rVB	591660	716100	3.84%	0.404%
77	20.215	2977	2980	2982	rBV3	300106	282170	1.51%	0.159%
78	20.244	2983	2985	2987	rVV	274729	278757	1.50%	0.157%
79	20.292	2990	2993	2997	rVB2	574196	748233	4.01%	0.422%
80	20.533	3031	3034	3037	rVB3	454285	450899	2.42%	0.254%
81	20.697	3059	3062	3068	rVB	804224	1106860	5.94%	0.625%
82	20.862	3086	3090	3093	rBV2	904269	1198352	6.43%	0.676%
83	20.903	3093	3097	3099	rVV	810307	996306	5.35%	0.562%
84	20.944	3100	3104	3108	rVV2	1002538	1709196	9.17%	0.965%
85	20.997	3110	3113	3123	rVB	949561	1456750	7.82%	0.822%
86	21.127	3132	3135	3139	rVB	911984	963384	5.17%	0.544%
87	21.215	3143	3150	3154	rVV3	6772820	12639107	67.82%	7.133%
88	21.268	3155	3159	3167	rVB	6430500	8365536	44.89%	4.721%
89	21.374	3174	3177	3184	rVB	1294819	1688519	9.06%	0.953%
90	21.539	3201	3205	3209	rVB2	659824	1038743	5.57%	0.586%
91	21.715	3231	3235	3238	rBV2	969932	1289499	6.92%	0.728%
92	21.862	3256	3260	3266	rBV4	1111695	1694526	9.09%	0.956%
93	22.791	3410	3418	3422	rBV	4102957	10295964	55.25%	5.811%
94	22.944	3440	3444	3449	rVB	786274	1174913	6.30%	0.663%
95	23.256	3491	3497	3502	rBV	2174558	4794548	25.73%	2.706%
96	23.356	3508	3514	3521	rVB	3978754	7740562	41.53%	4.369%
97	23.438	3525	3528	3532	rVV	954256	1728353	9.27%	0.975%
98	23.491	3533	3537	3543	rVB2	1335468	2402883	12.89%	1.356%
99	25.679	3900	3909	3917	rVB	1947394	5899747	31.66%	3.330%
100	26.374	4019	4027	4038	rVB2	1249593	4041603	21.69%	2.281%

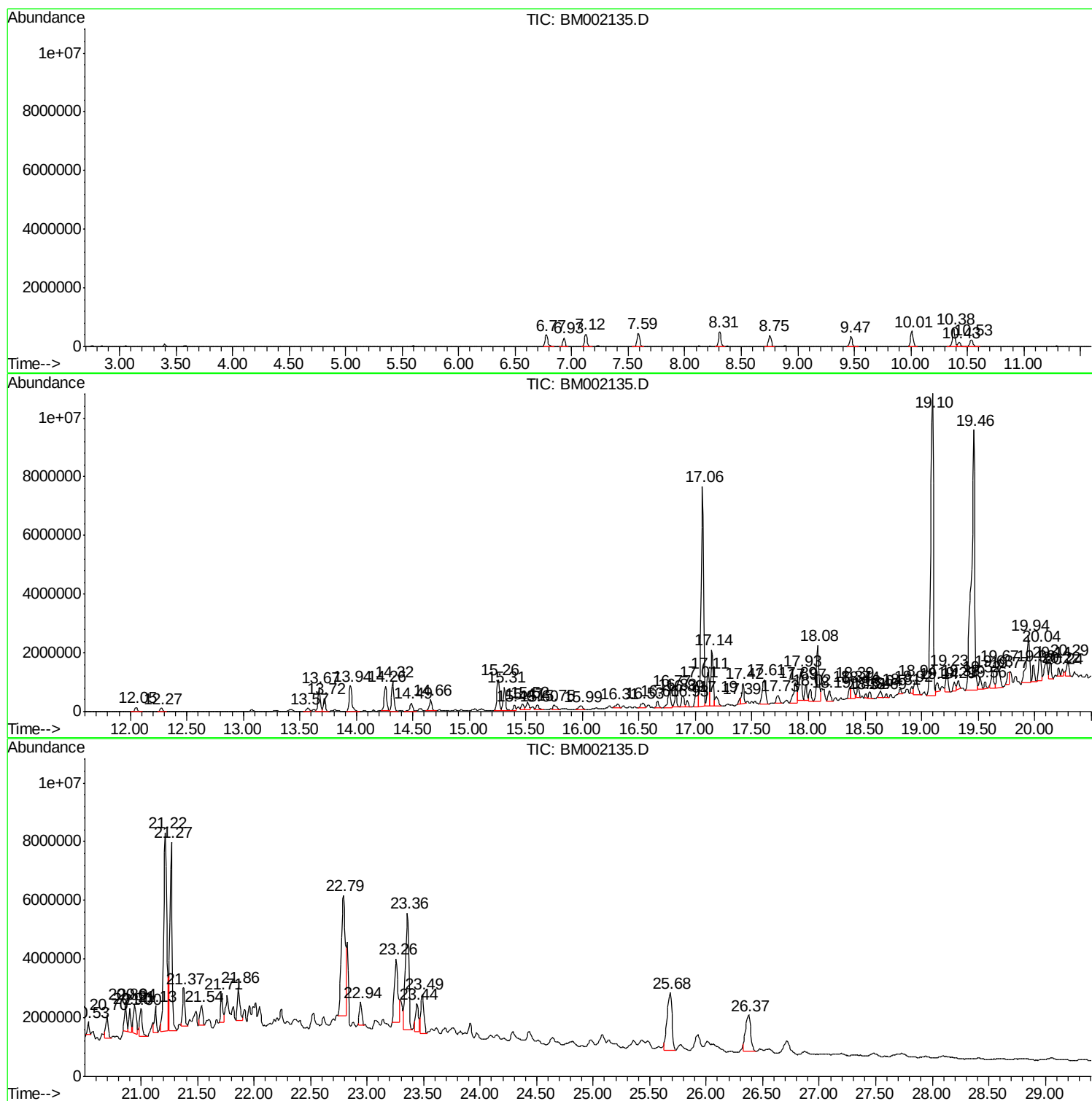
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



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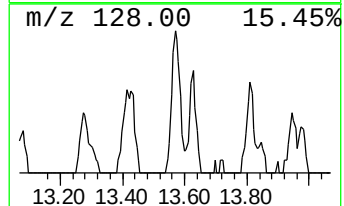
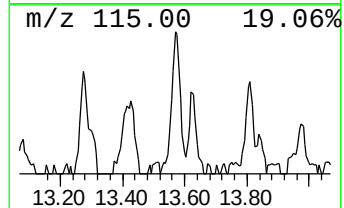
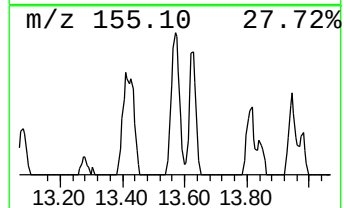
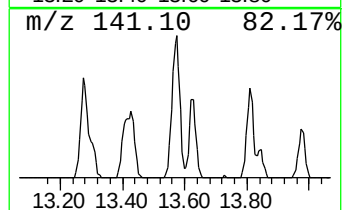
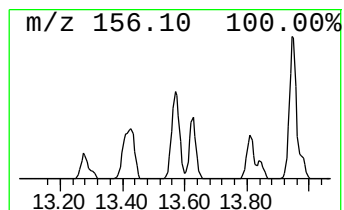
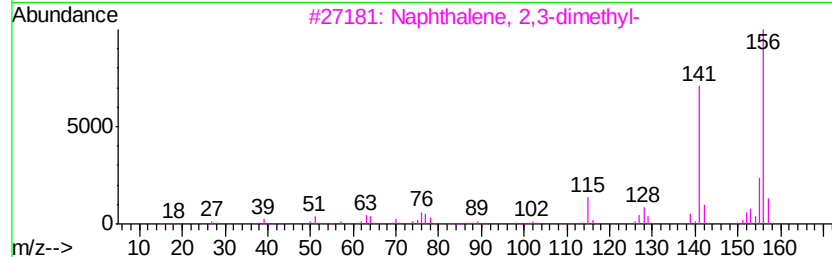
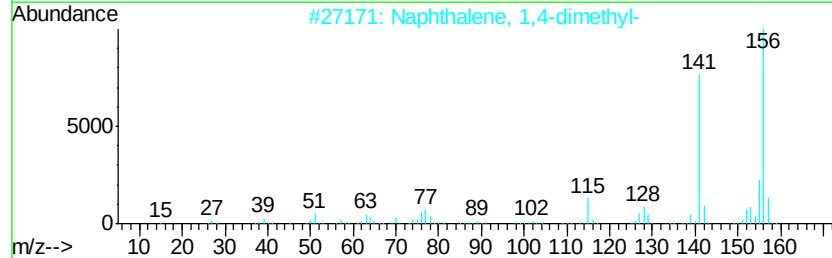
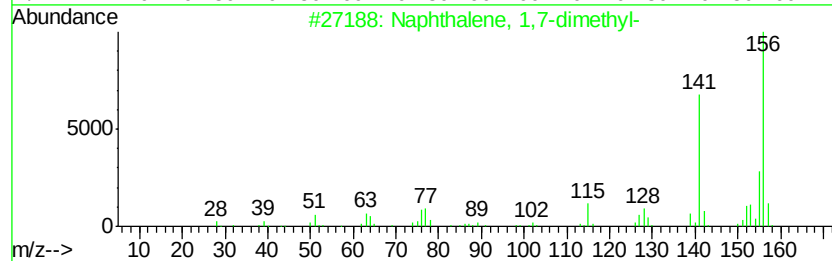
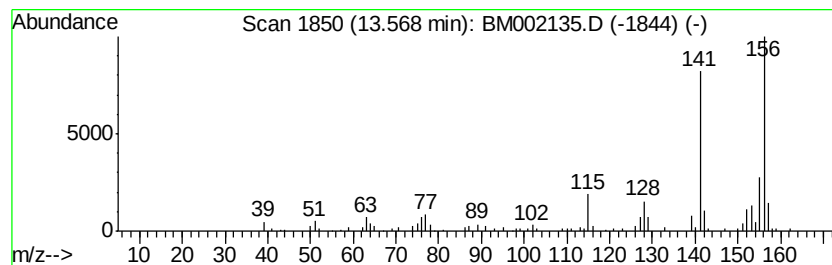
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.10 ng/ul	196990	Acenaphthene-d10	14.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
2		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
3		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



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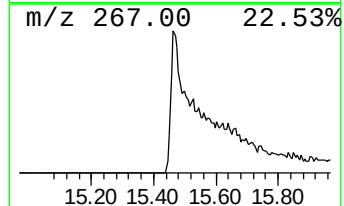
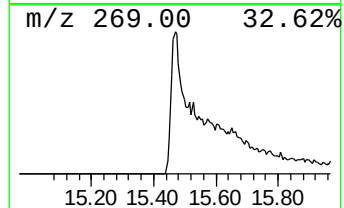
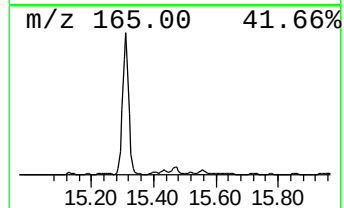
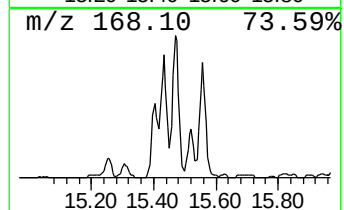
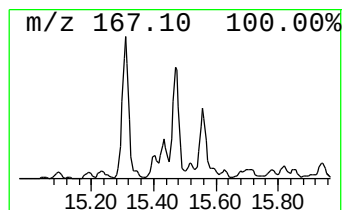
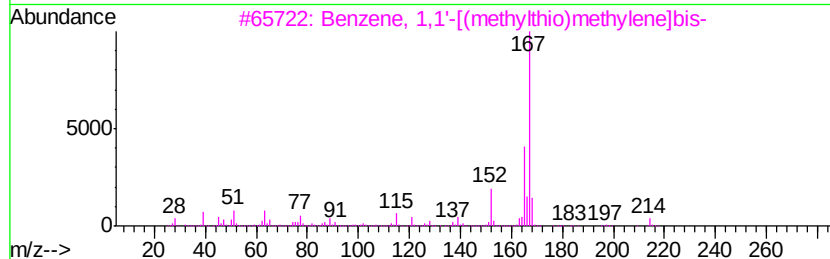
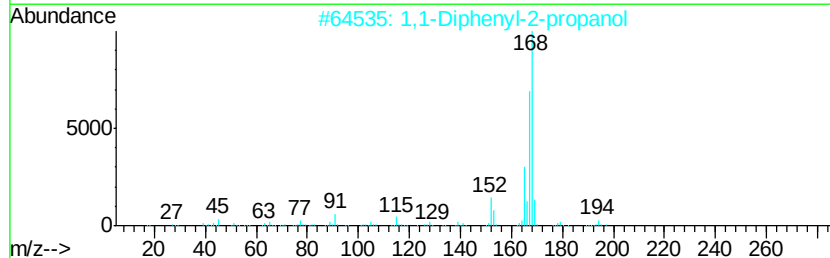
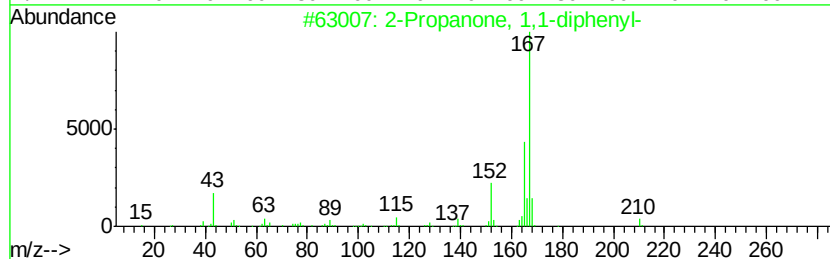
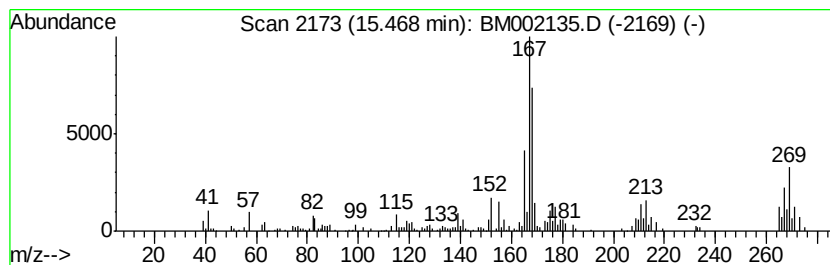
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	4.96 ng/ul	315537	Acenaphthene-d10	14.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	41
2			1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	38
3			Benzene, 1,1'-[(methylthio)methy...	214	C14H14S	015733-08-1	38
4			Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	38
5			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38



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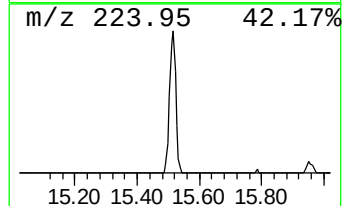
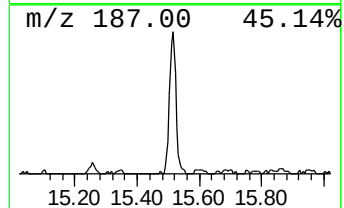
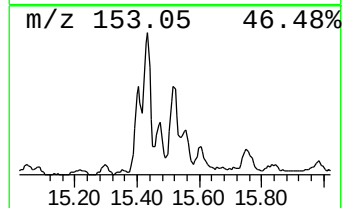
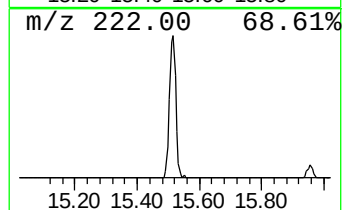
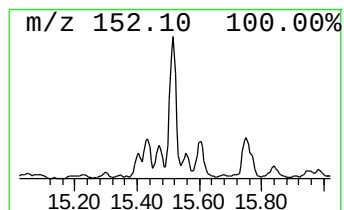
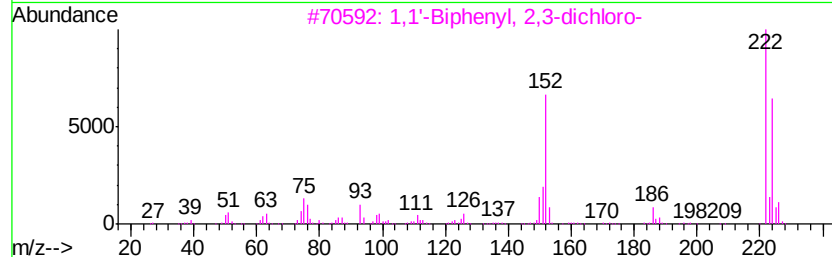
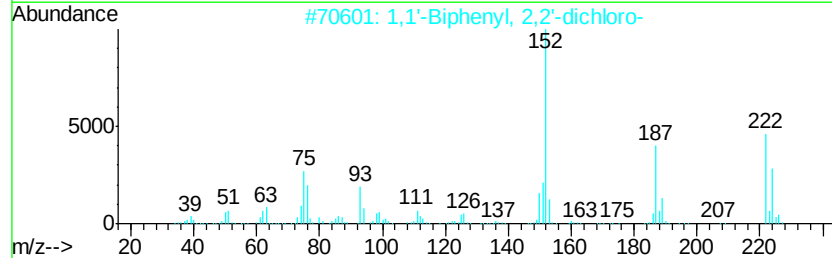
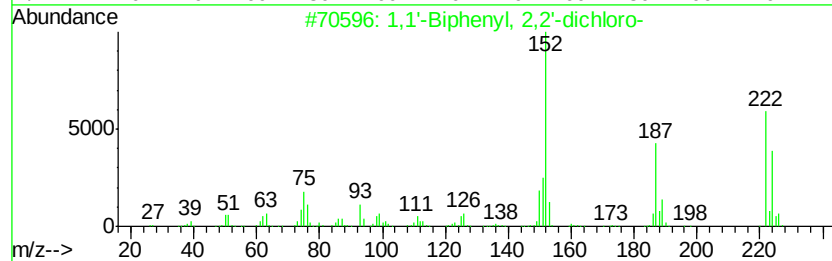
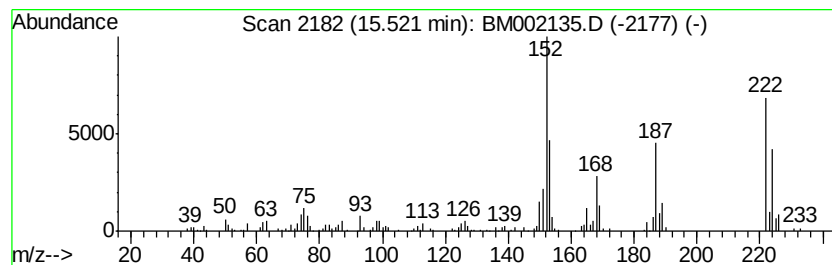
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TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	6.42 ng/ul	408099	Acenaphthene-d10	14.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
2		1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
3		1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
4		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	94
5		1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

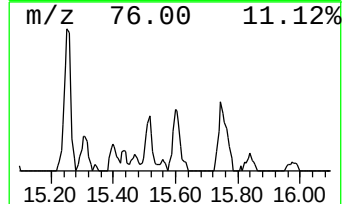
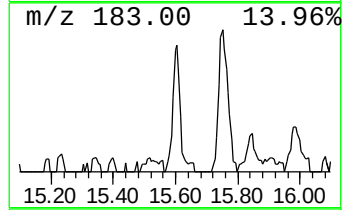
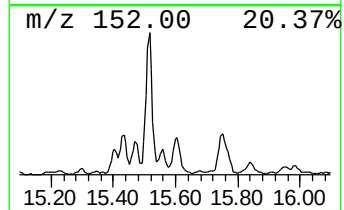
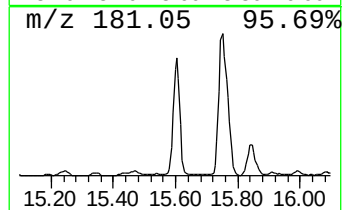
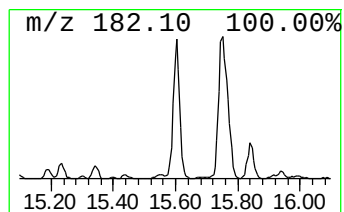
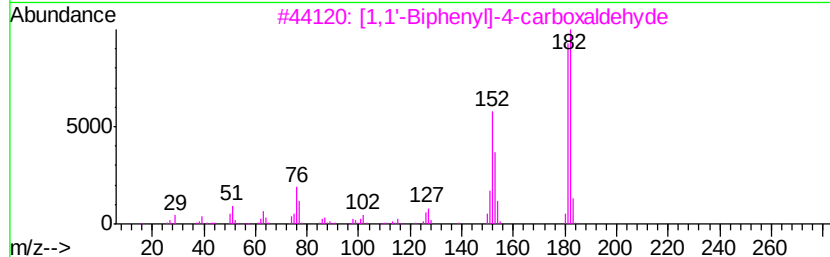
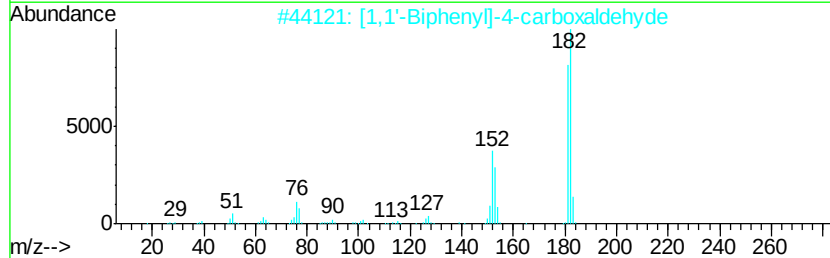
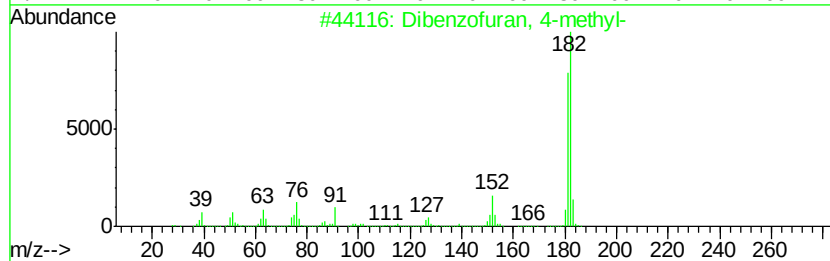
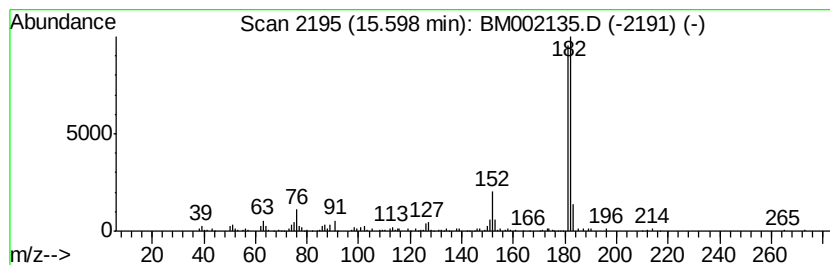
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.06 ng/ul	258176	Acenaphthene-d10	14.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8	78
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182 C12H10N2	001135-32-6	72
5	9H-Fluoren-9-ol	182 C13H10O	001689-64-1	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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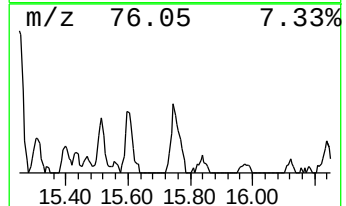
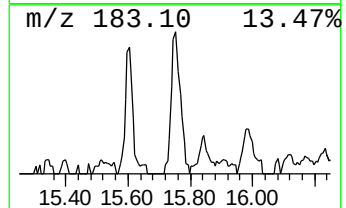
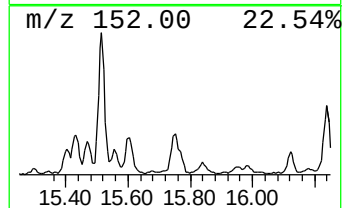
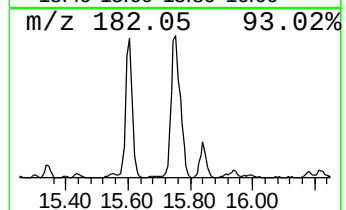
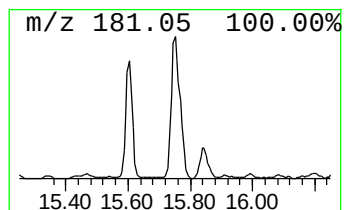
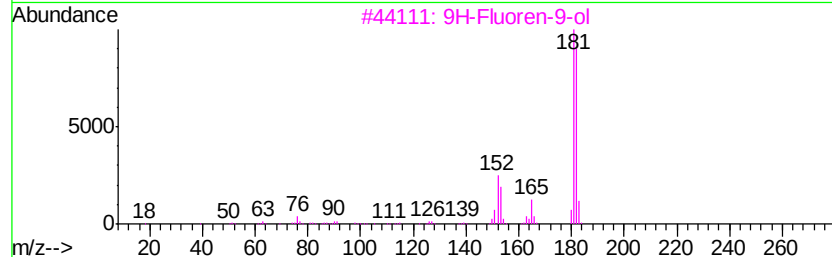
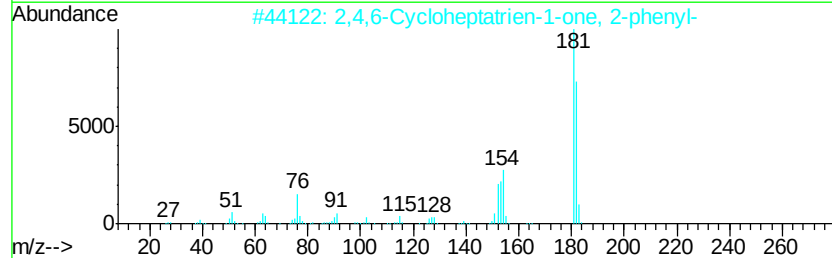
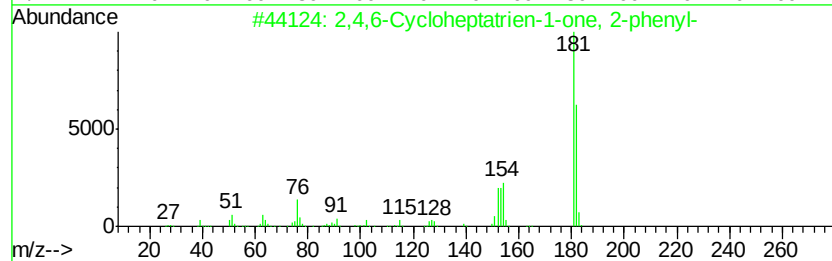
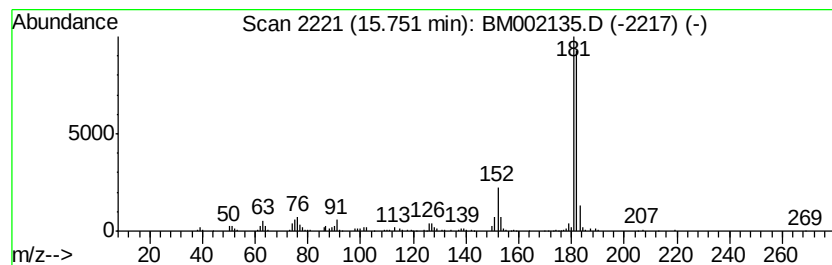
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	4.52 ng/ul	327903	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5		Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampled :
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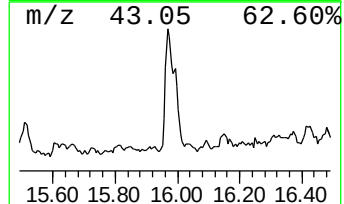
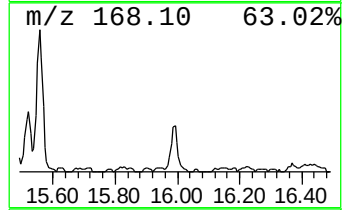
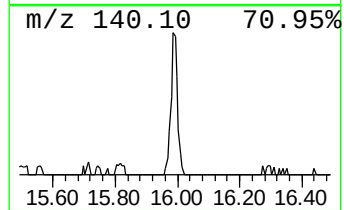
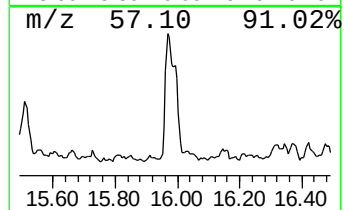
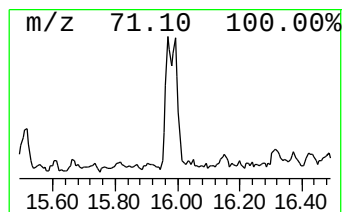
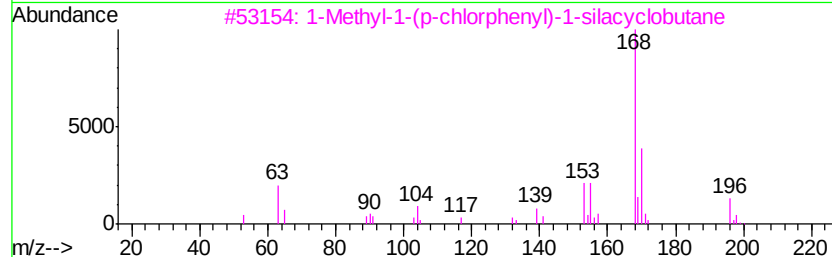
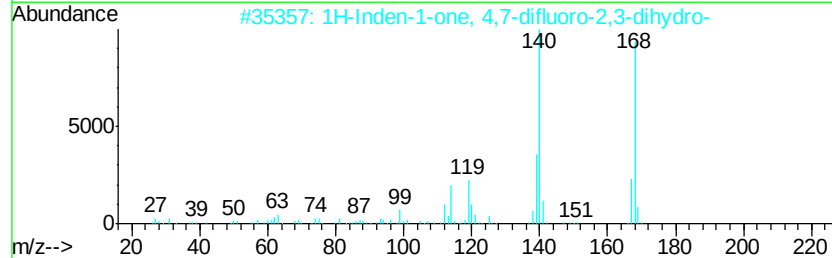
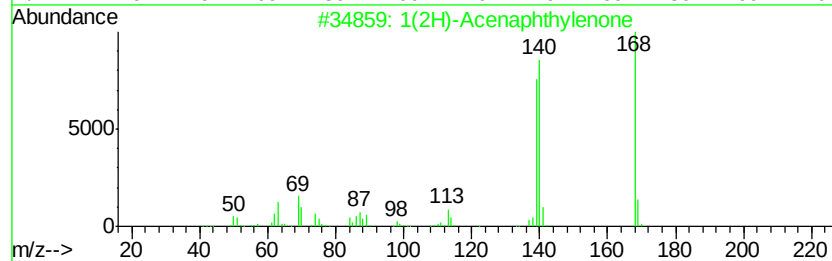
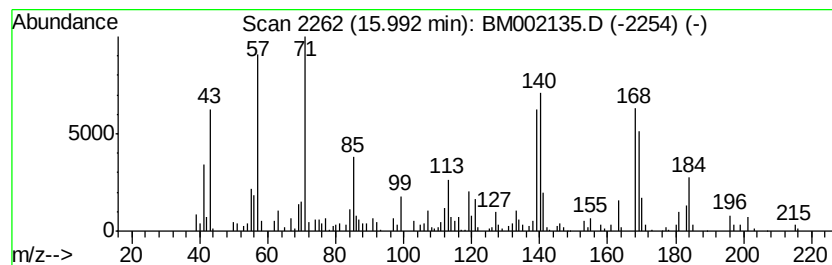
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.67 ng/ul	265987	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1(2H)-Acenaphthylene	168	C12H8O	002235-15-6	38
2			1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	30
3			1-Methyl-1-(p-chlorophenyl)-1-sil...	196	C10H13ClSi	057465-49-3	25
4			Tridecane	184	C13H28	000629-50-5	20
5			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	18



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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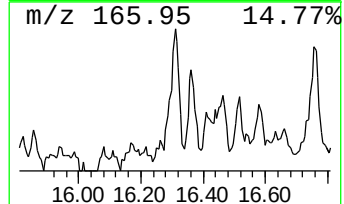
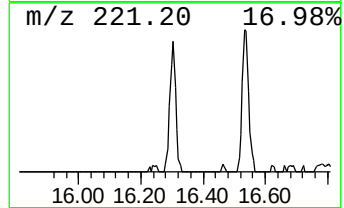
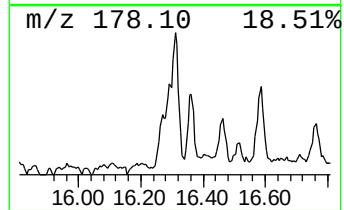
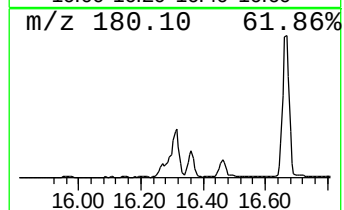
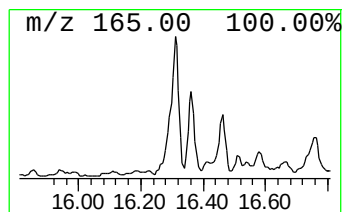
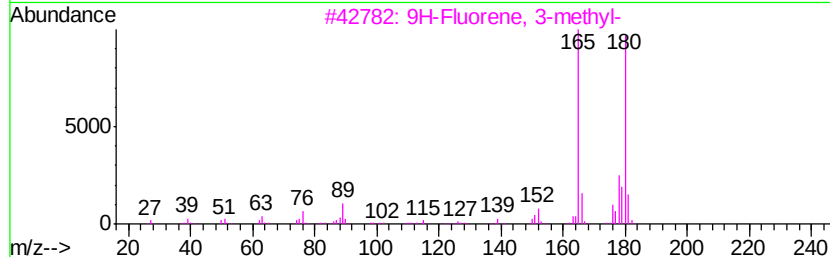
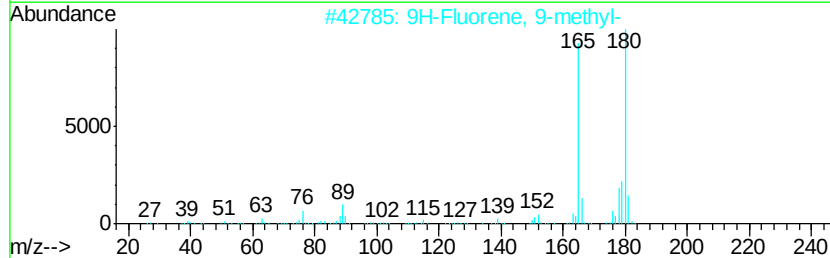
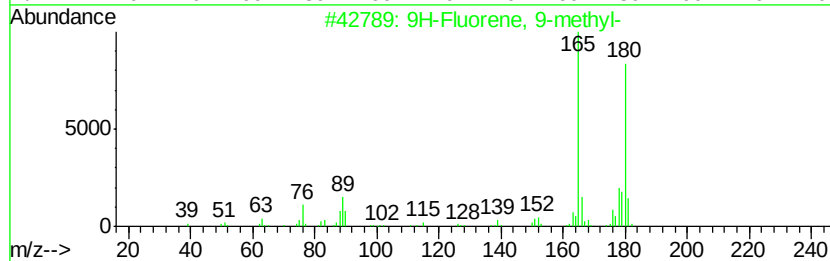
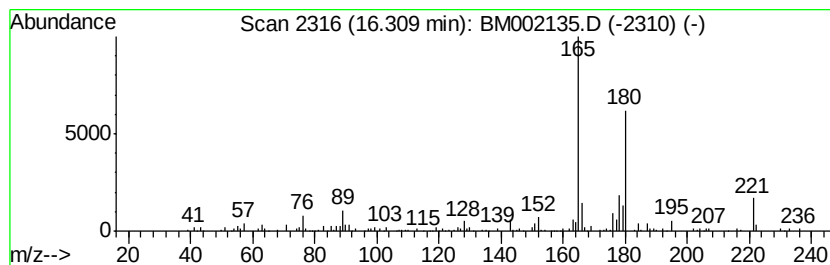
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 9H-Fluorene, 9-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	3.84 ng/ul	278309	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
2		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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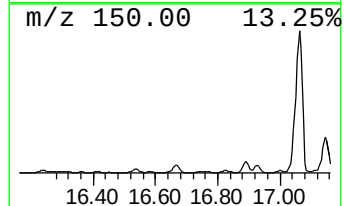
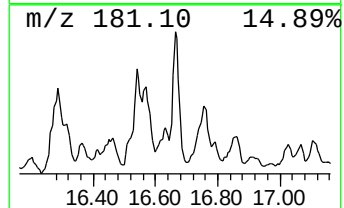
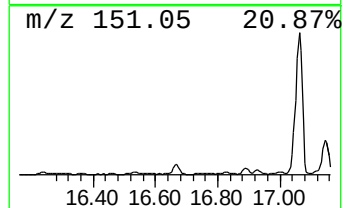
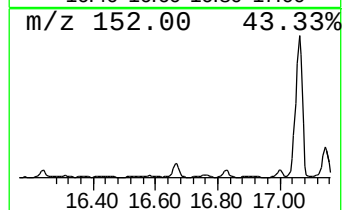
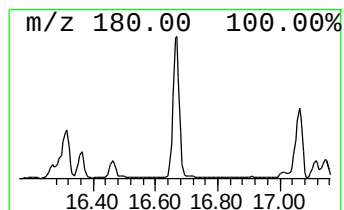
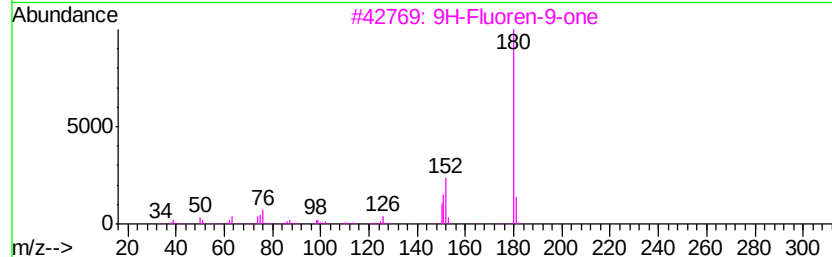
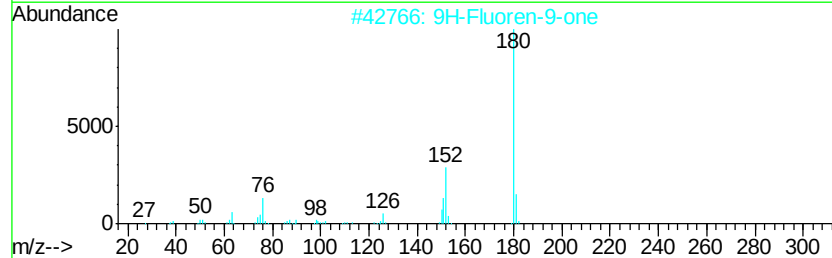
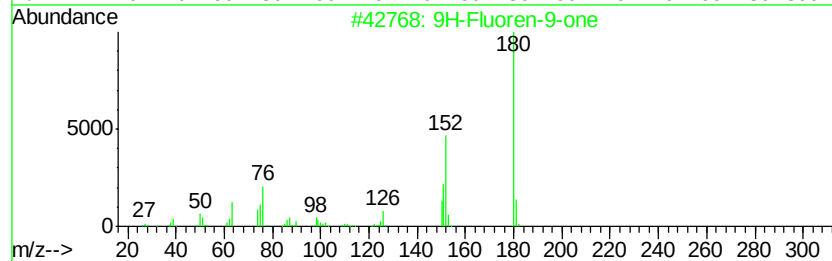
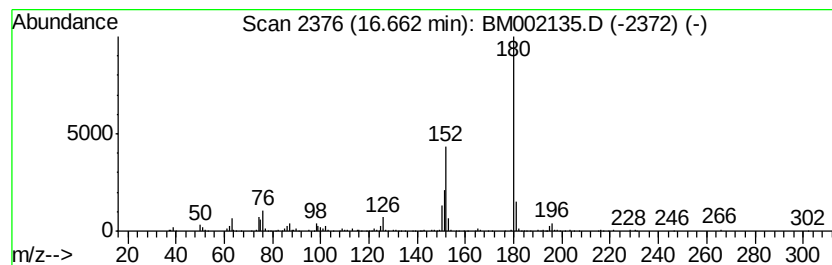
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	4.88 ng/ul	354002	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Sample : G3030-03RE
Misc :
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ClientSampleId :
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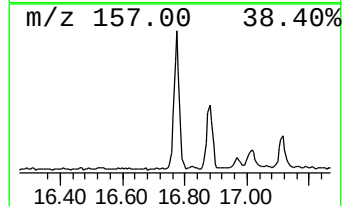
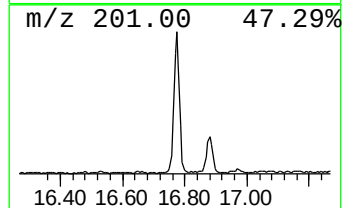
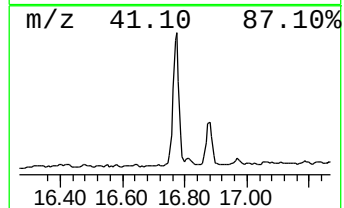
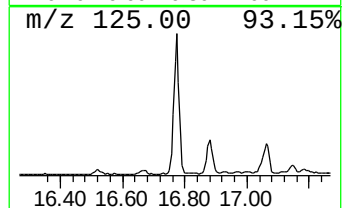
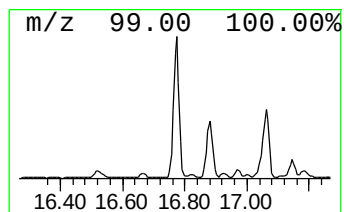
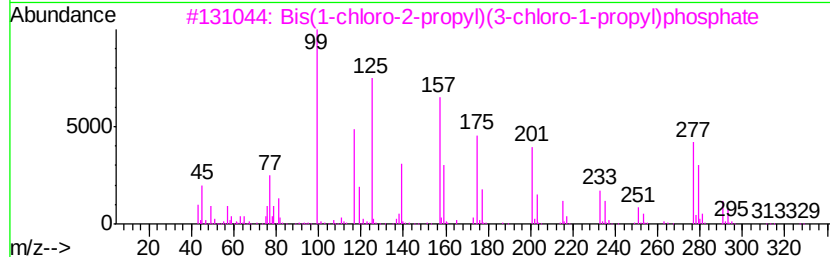
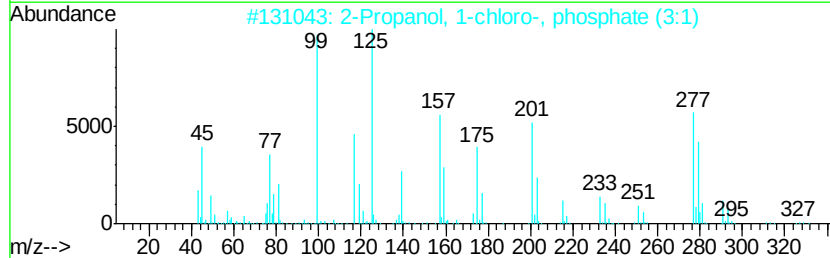
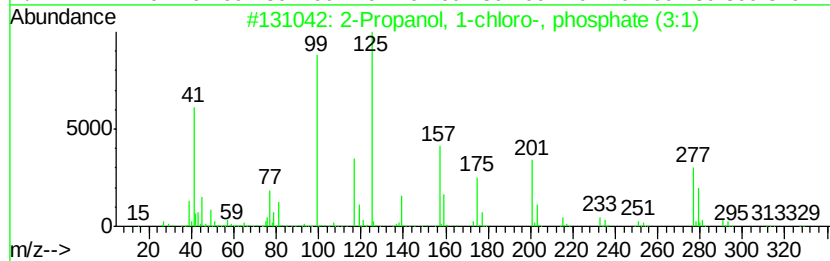
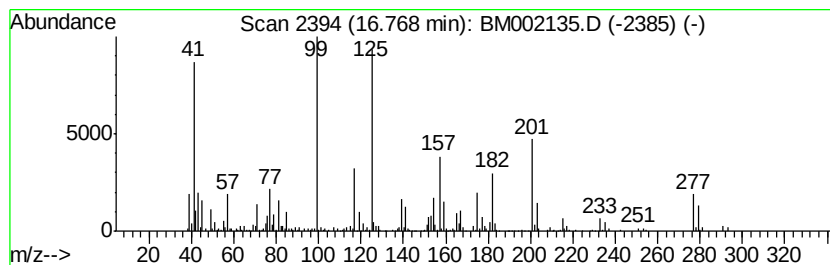
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 2-Propanol, 1-chloro-, phos... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	14.44 ng/ul	1046890	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
2		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	58
3		Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	32
4		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	25
5		Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	10



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Sample : G3030-03RE
Misc :
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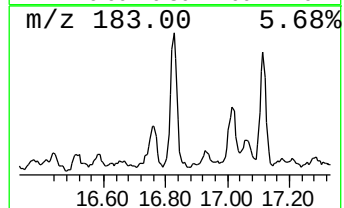
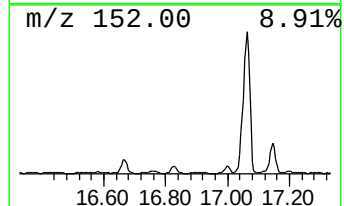
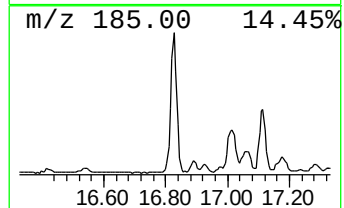
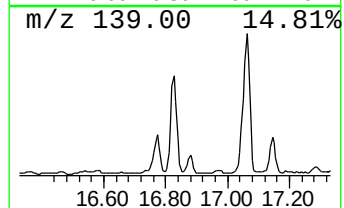
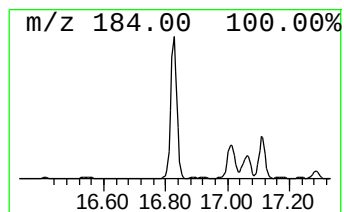
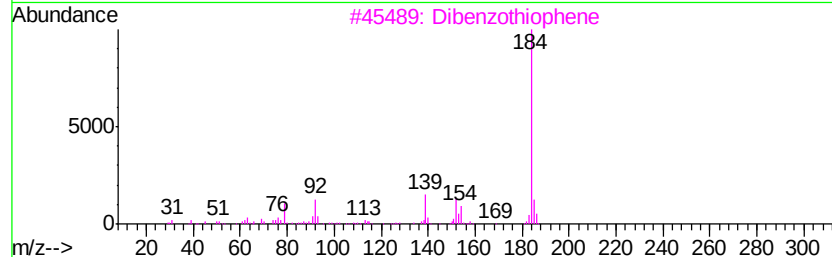
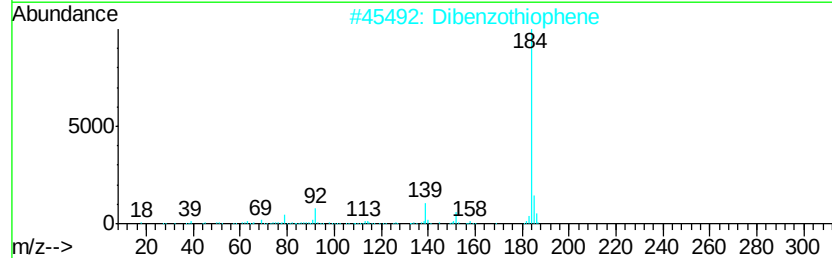
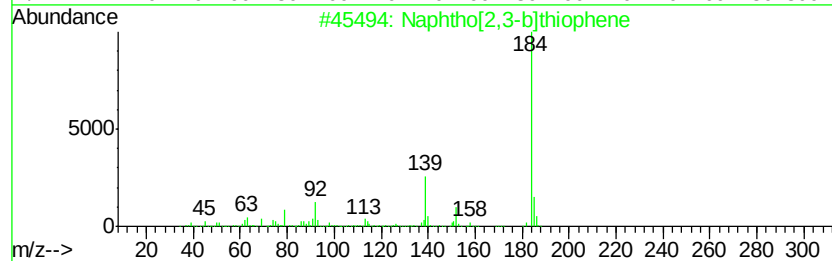
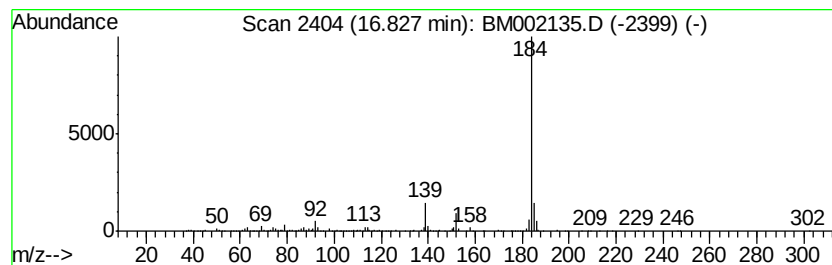
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.		
16.83	8.90 ng/ul	645735	Phenanthrene-d10		17.01		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2			Dibenzothiophene	184	C12H8S	000132-65-0	94
3			Dibenzothiophene	184	C12H8S	000132-65-0	94
4			Dibenzothiophene	184	C12H8S	000132-65-0	93
5			Dibenzothiophene	184	C12H8S	000132-65-0	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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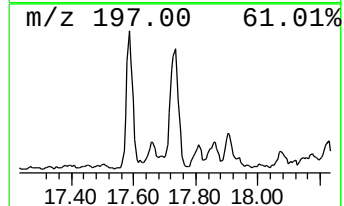
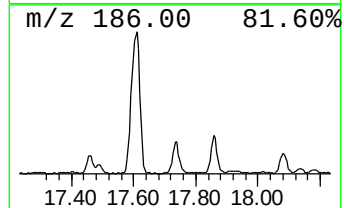
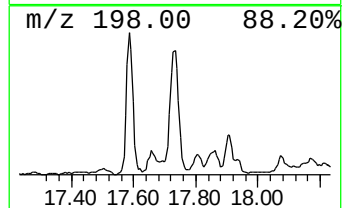
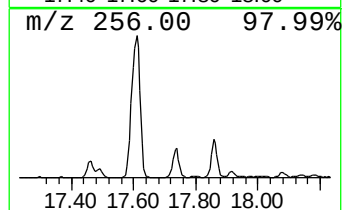
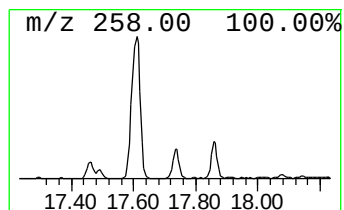
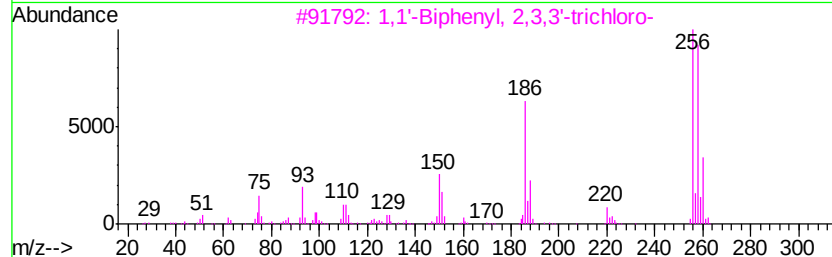
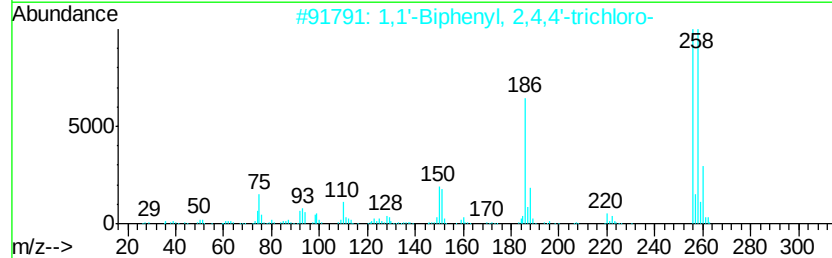
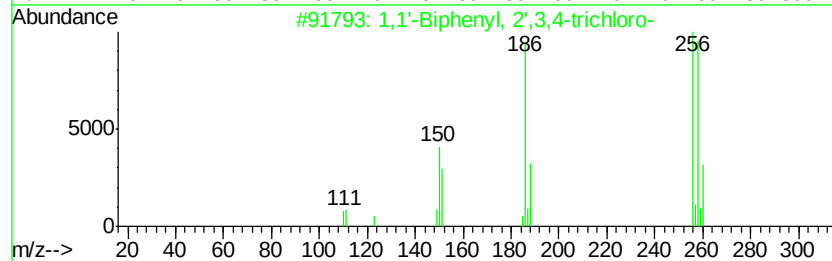
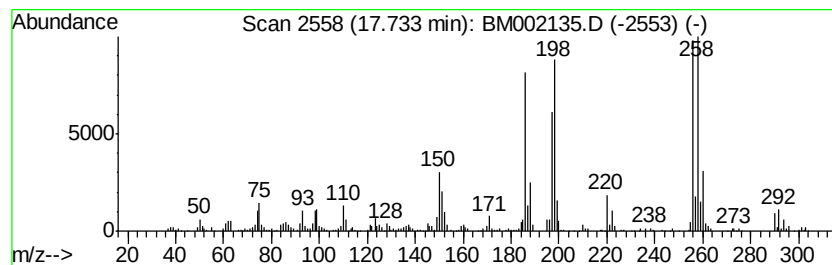
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	6.79 ng/ul	492758	Phenanthrene-d10	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
2			1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
3			1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	93
4			1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	92
5			1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	92



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Misc :
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Instrument :
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ClientSampleId :
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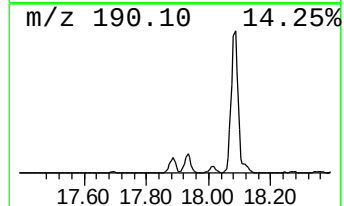
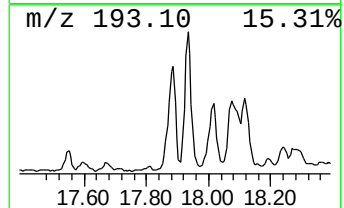
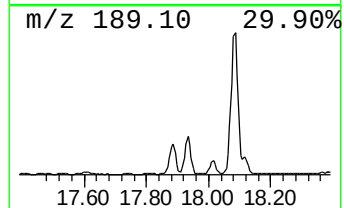
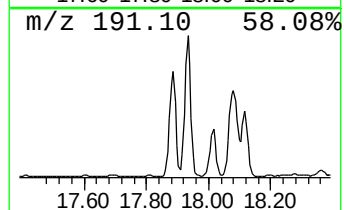
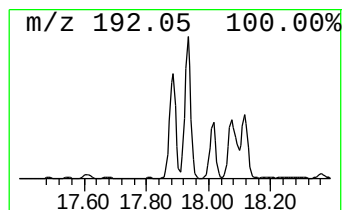
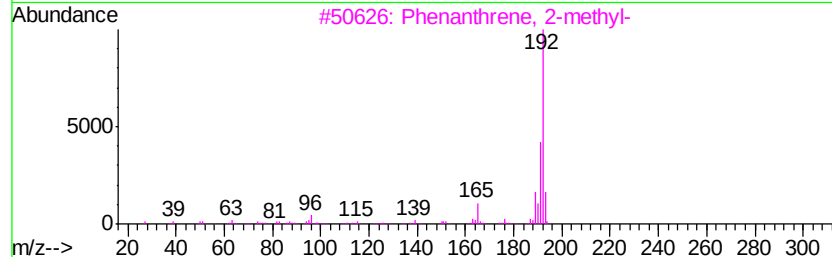
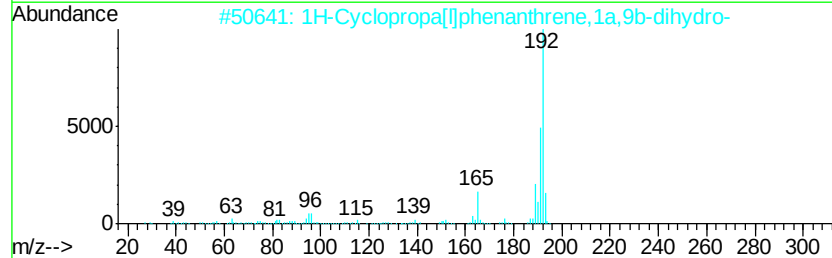
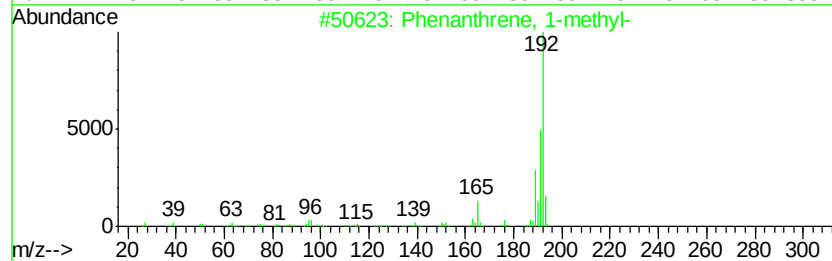
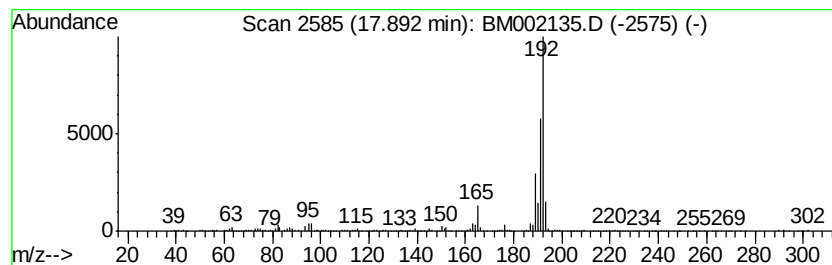
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	18.67 ng/ul	1353960	Phenanthrene-d10	17.01

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
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Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

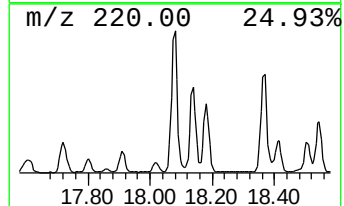
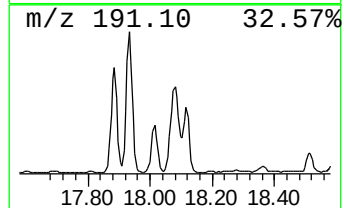
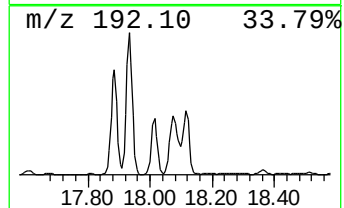
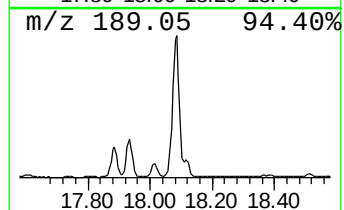
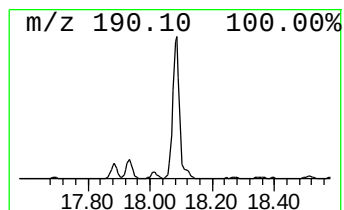
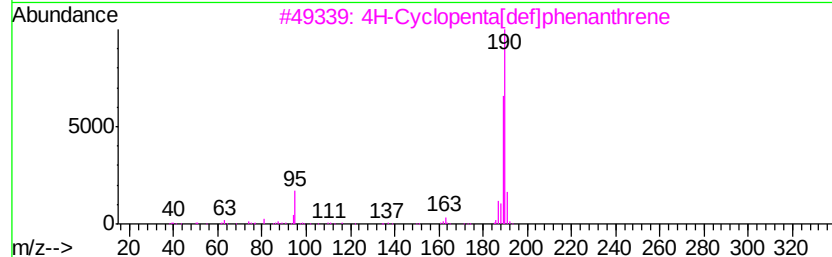
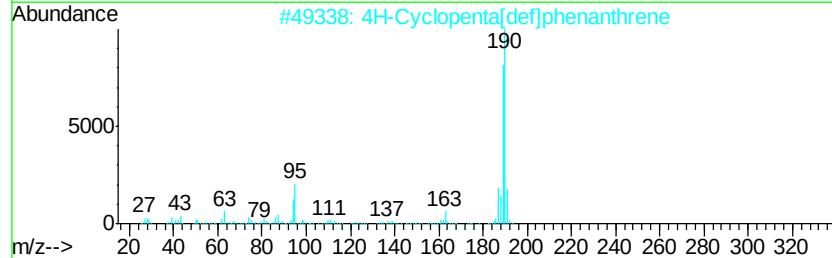
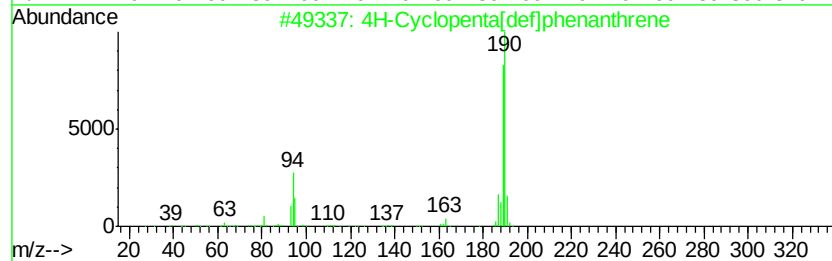
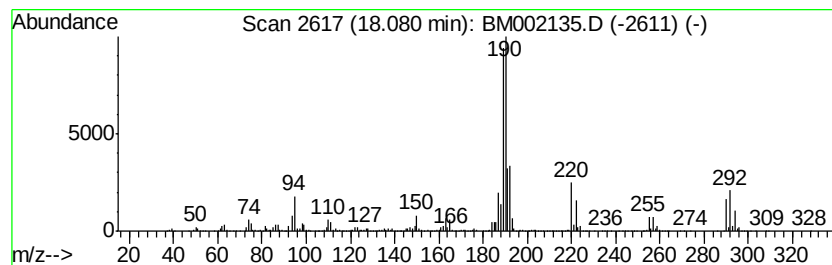
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.08	41.63 ng/ul	3018800	Phenanthrene-d10	17.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Misc :
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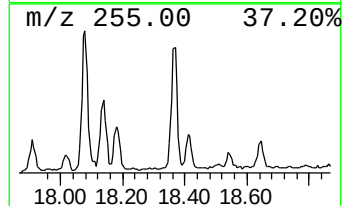
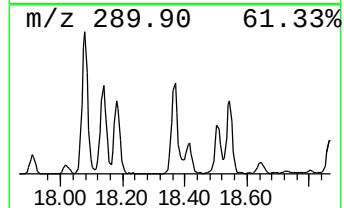
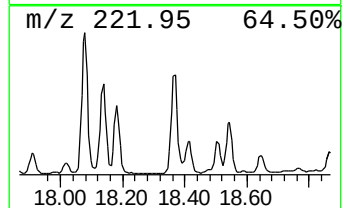
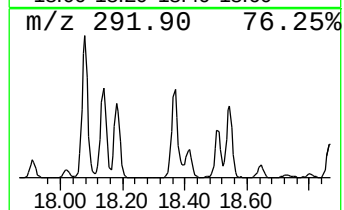
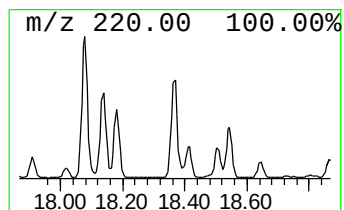
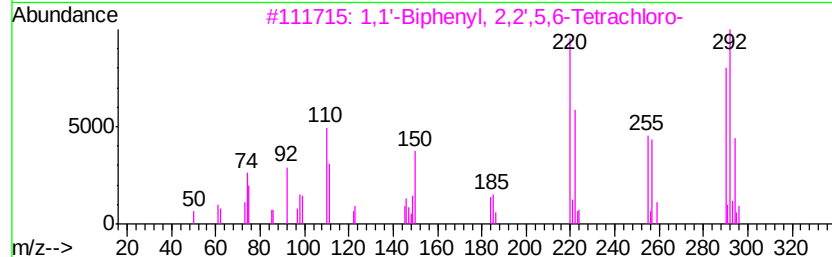
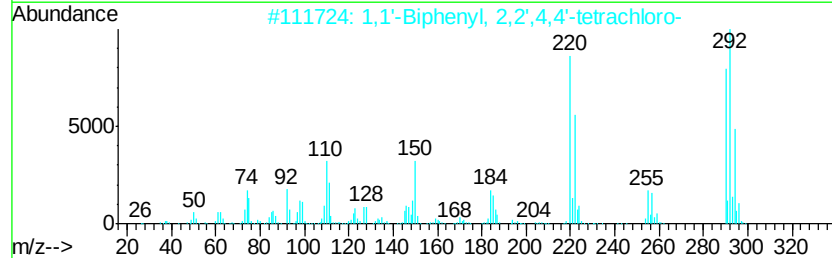
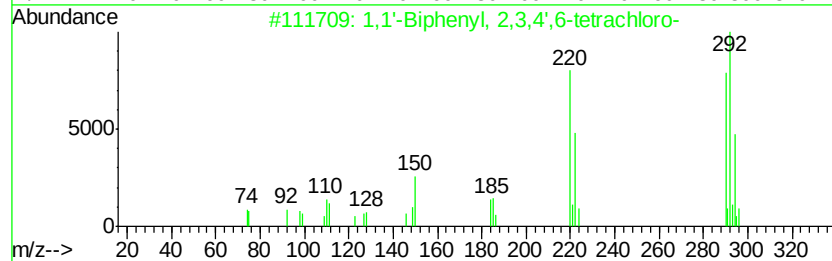
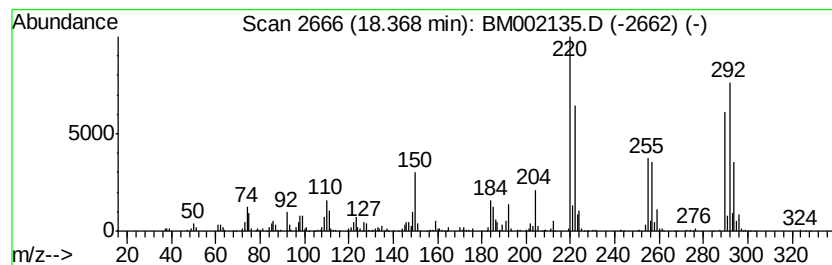
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	7.12 ng/ul	516190	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4		1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5		1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Misc :
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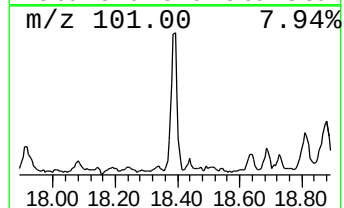
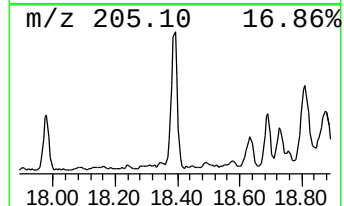
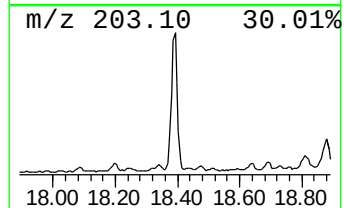
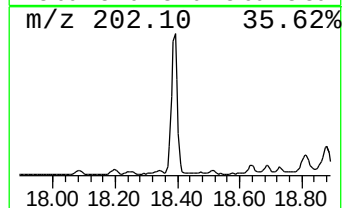
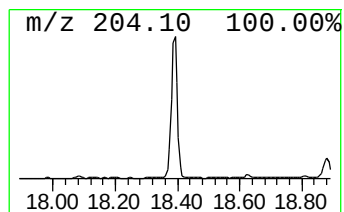
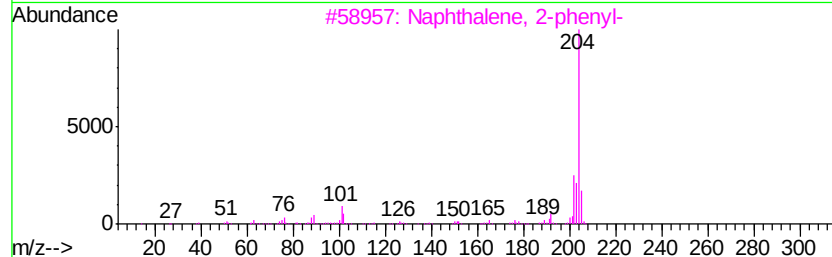
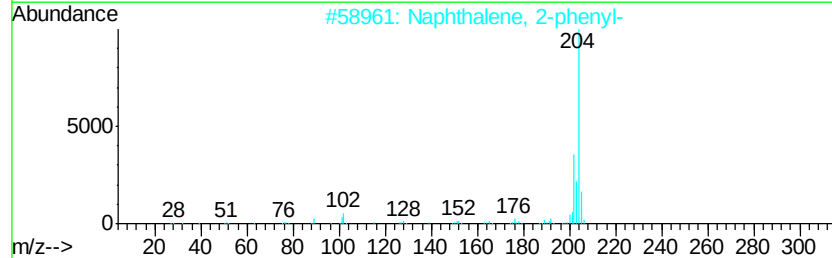
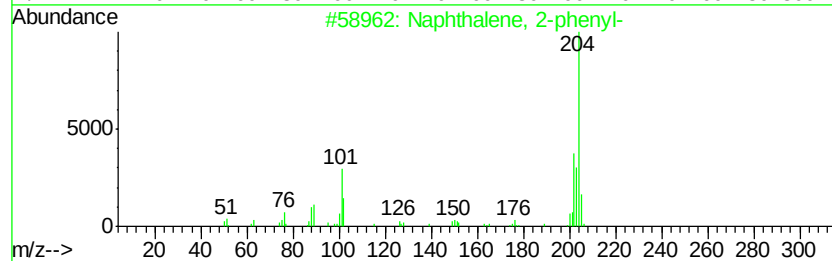
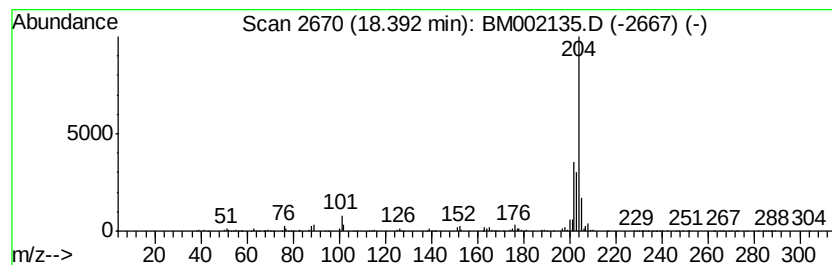
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	11.12 ng/ul	806201	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	68
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
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Acq On : 30 Jul 2015 14:14
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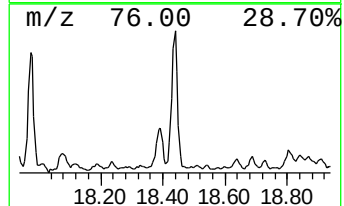
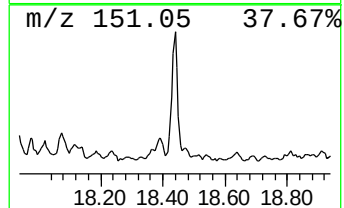
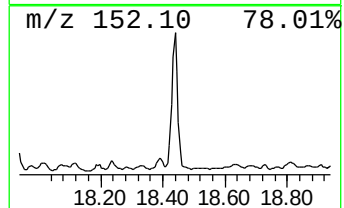
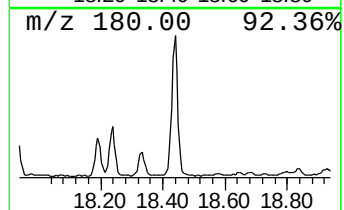
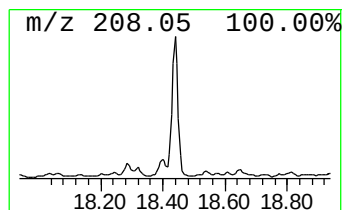
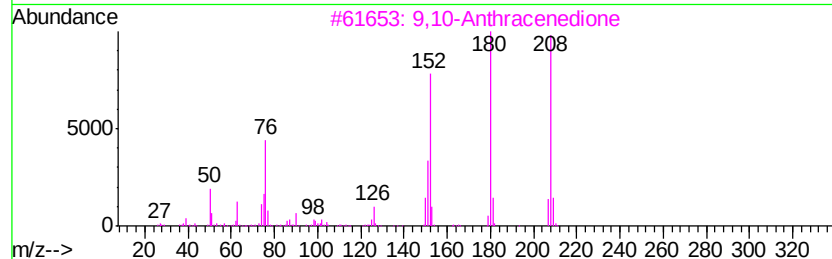
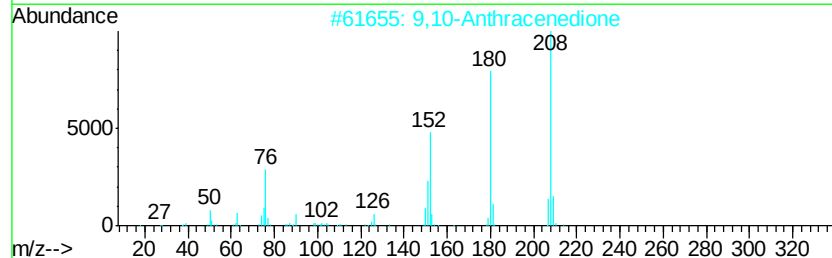
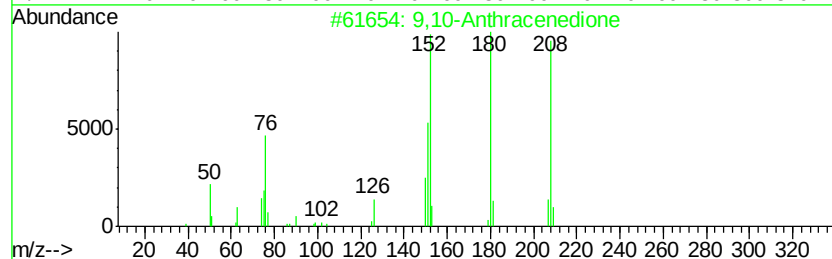
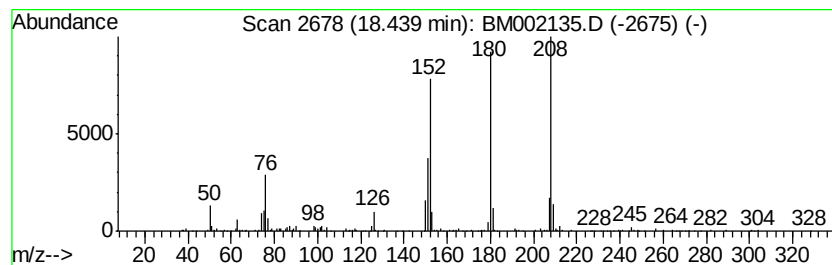
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.18 ng/ul	448101	Phenanthrene-d10	17.01

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	93
3		9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
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Acq On : 30 Jul 2015 14:14
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Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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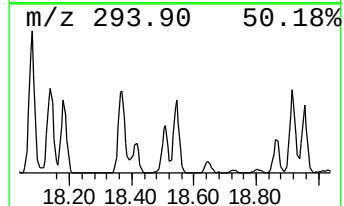
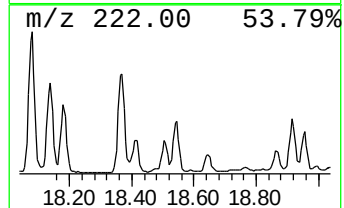
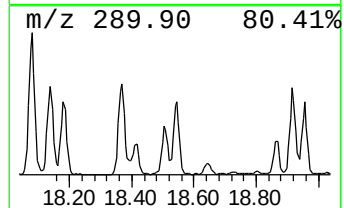
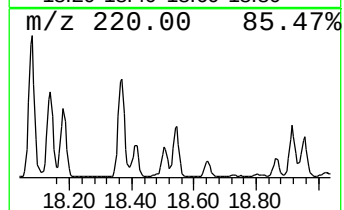
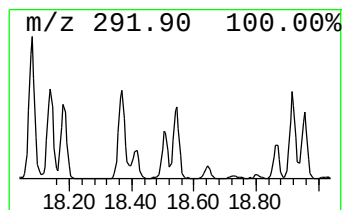
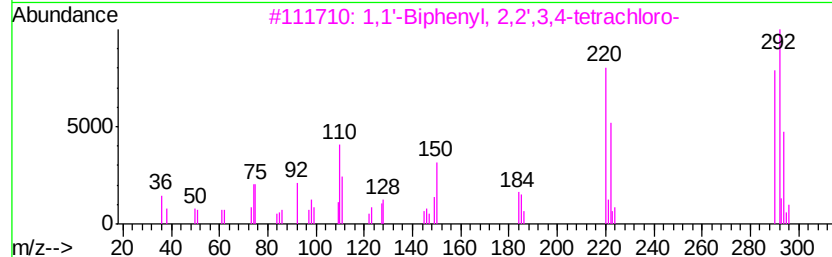
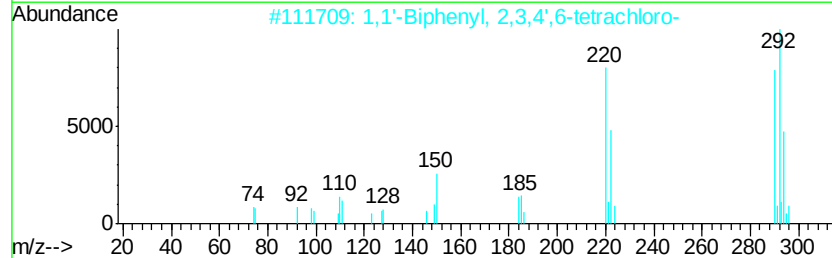
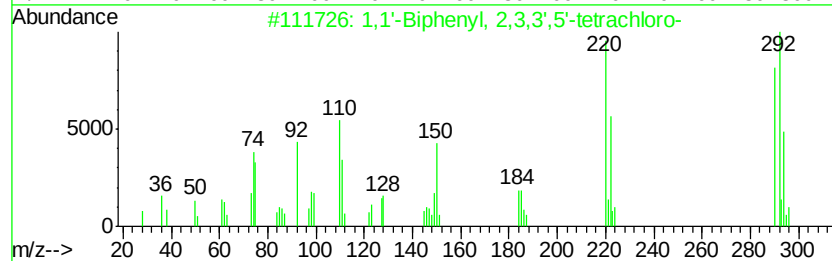
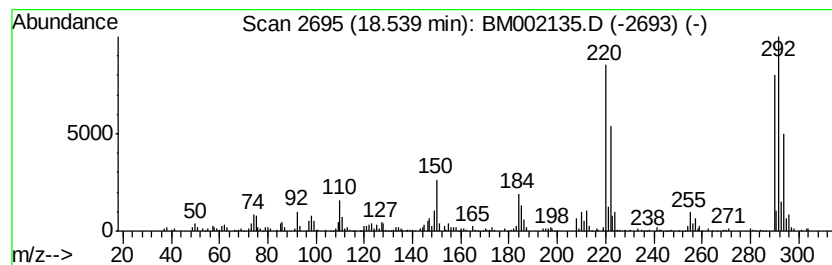
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.86 ng/ul	280179	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2		1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3		1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	98
4		1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	97
5		1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

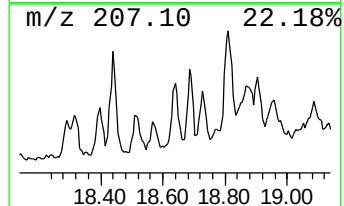
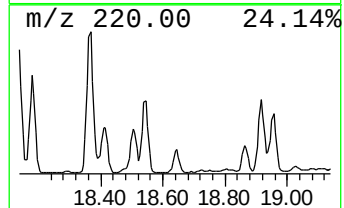
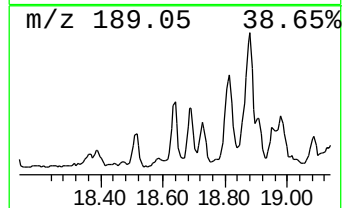
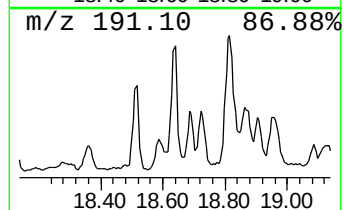
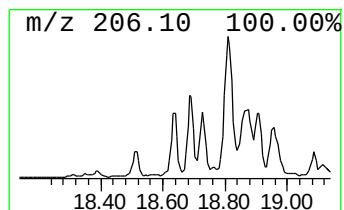
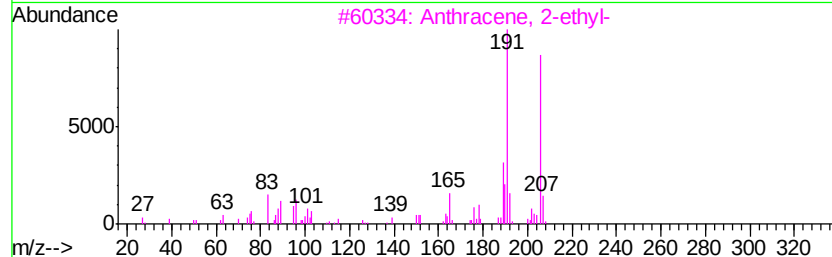
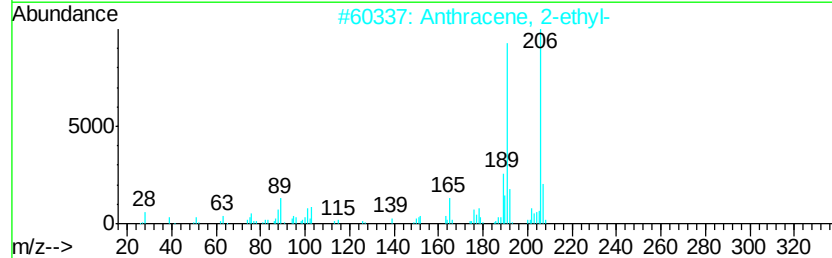
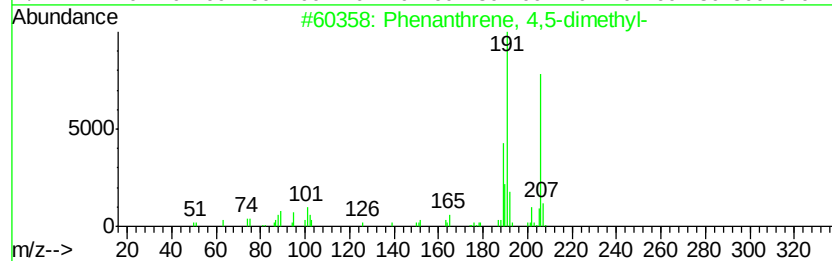
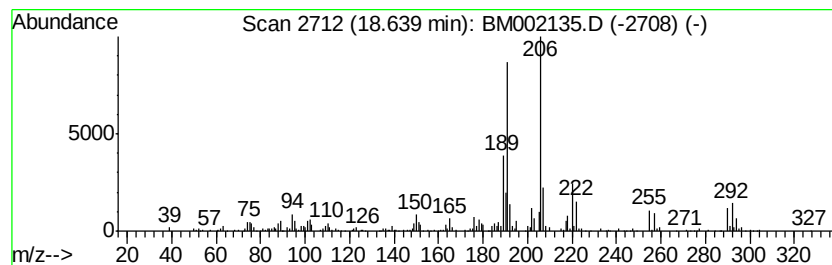
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 24 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.64	4.70 ng/ul	340498	Phenanthrene-d10		17.01		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	83
3			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
5			Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	64



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01MORE

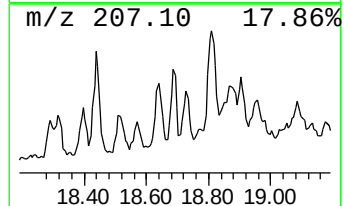
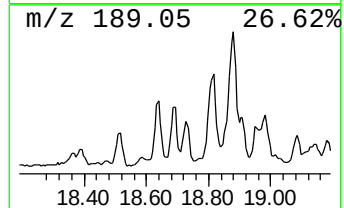
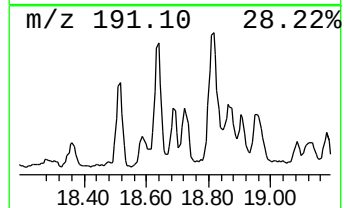
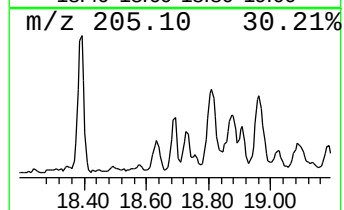
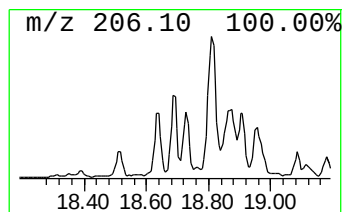
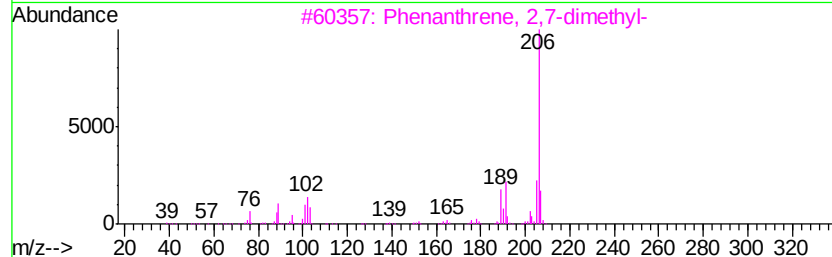
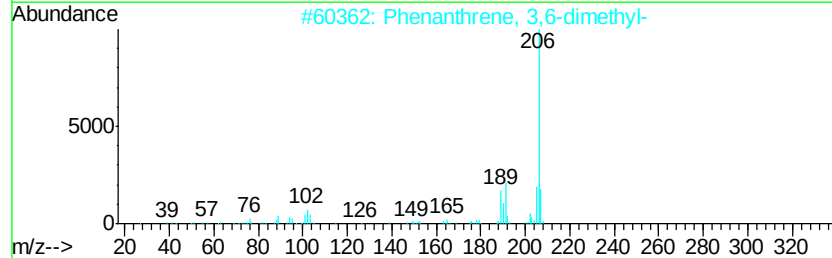
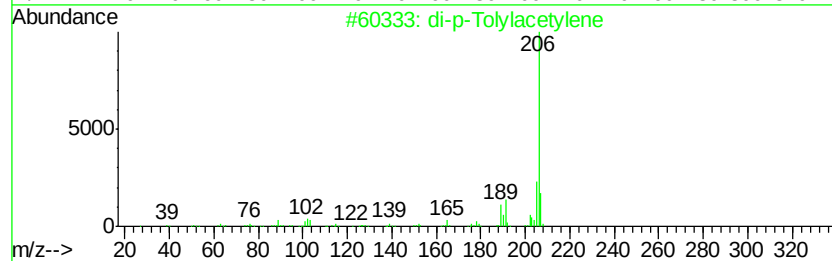
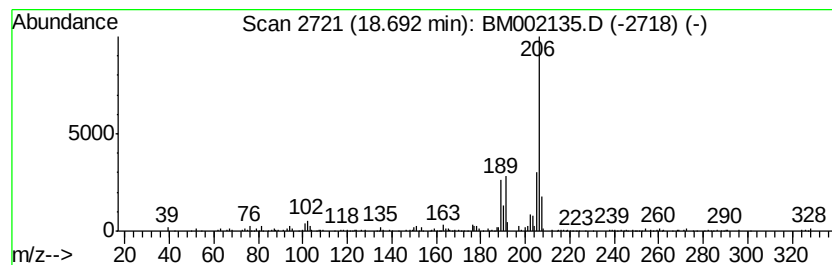
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 di-p-Tolylacetylene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.10 ng/ul	152645	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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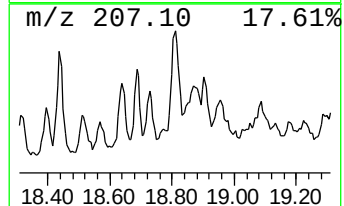
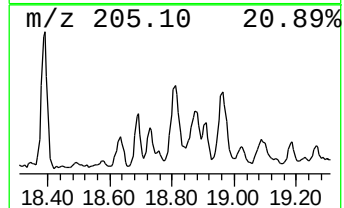
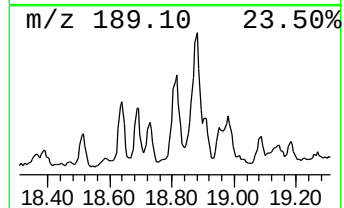
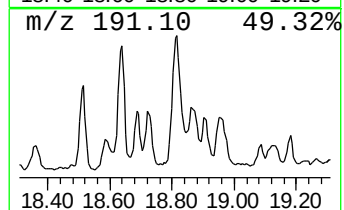
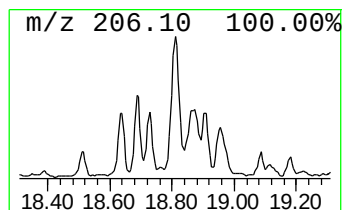
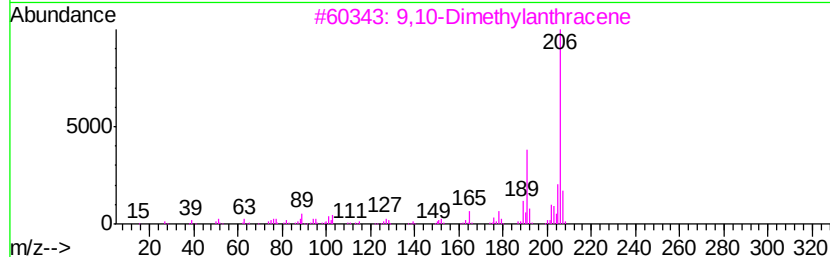
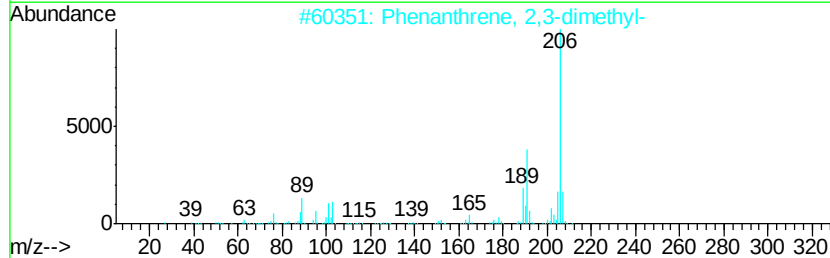
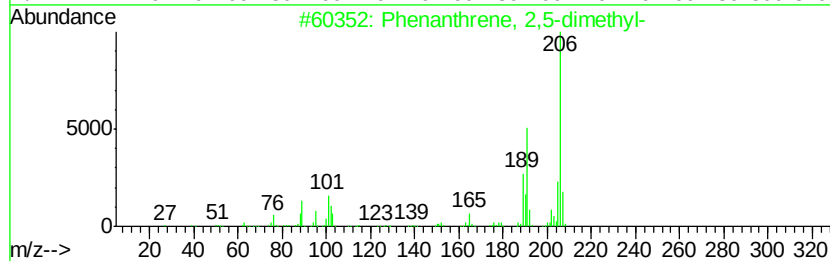
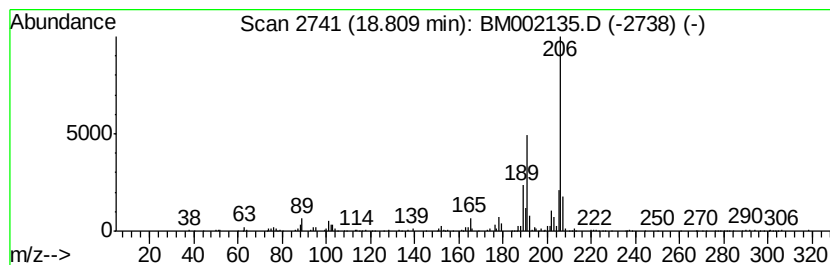
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	3.07 ng/ul	222286	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

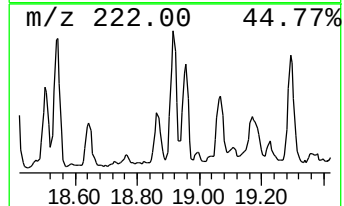
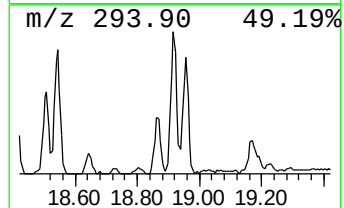
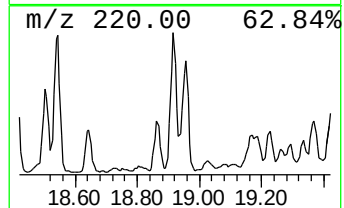
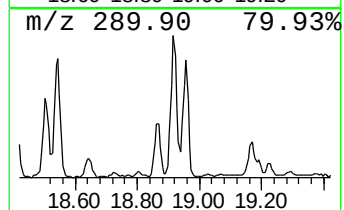
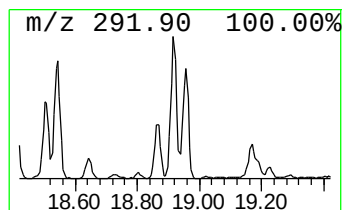
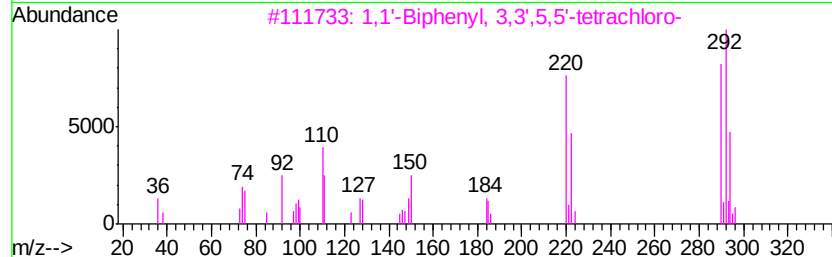
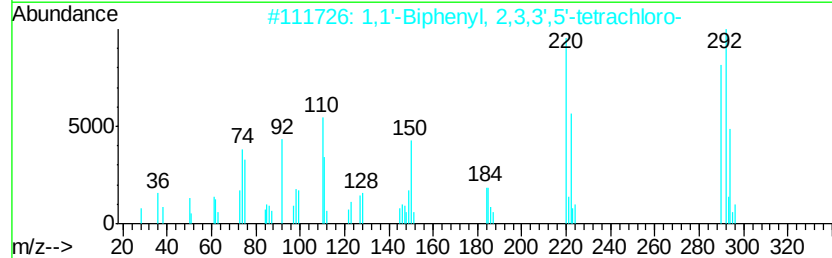
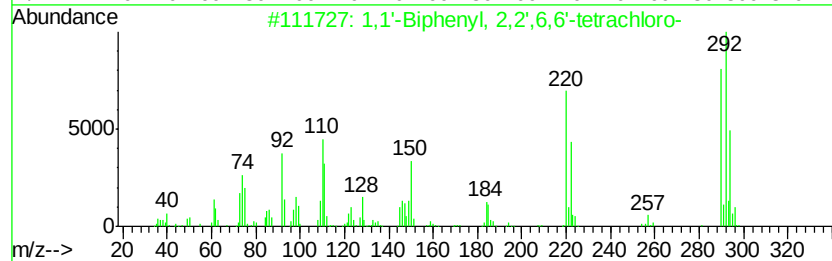
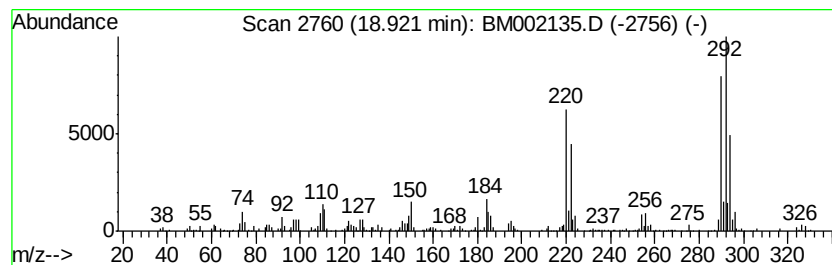
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.92	4.23 ng/ul	306890	Phenanthrene-d10	17.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
2	1,1'-Biphenyl,	2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl,	3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	96
4	1,1'-Biphenyl,	2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl,	3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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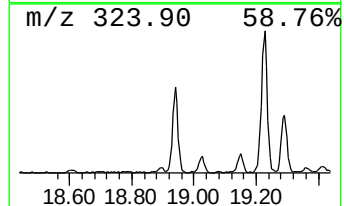
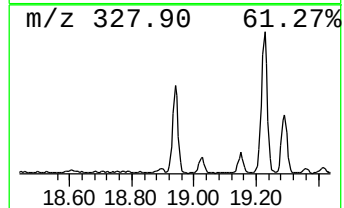
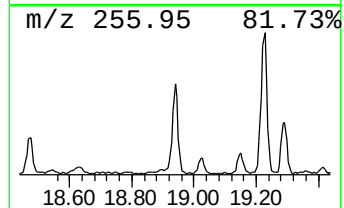
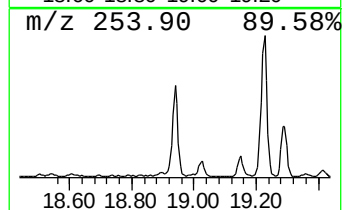
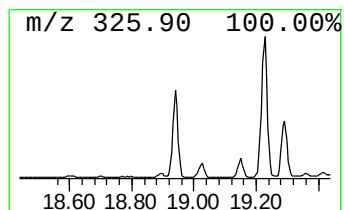
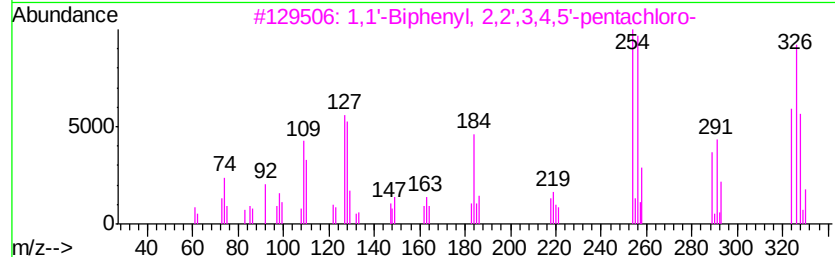
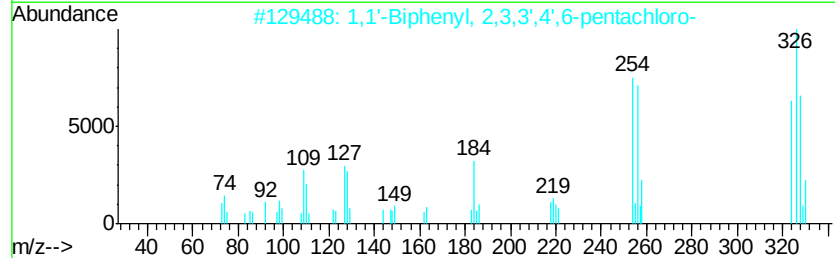
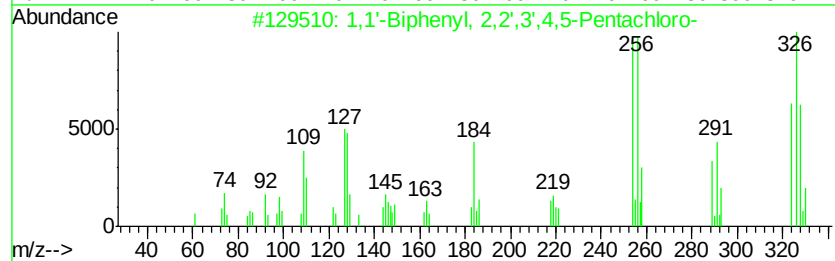
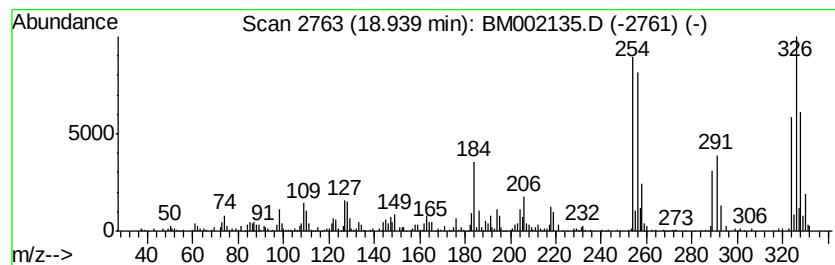
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	15.52 ng/ul	1125260	Phenanthrene-d10	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
4		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
5		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
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Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

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BNA_M
ClientSampleId :
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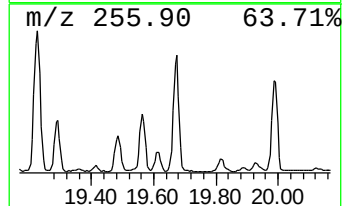
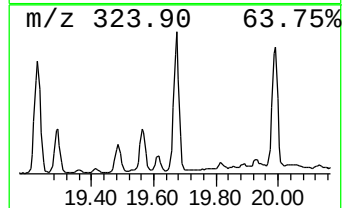
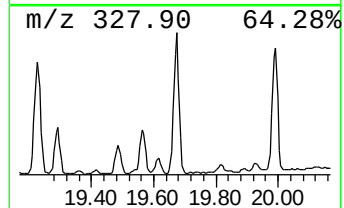
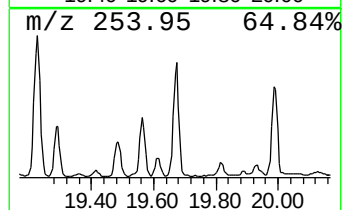
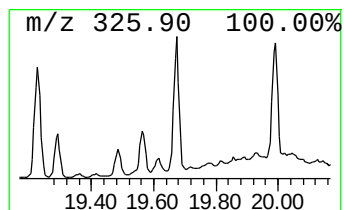
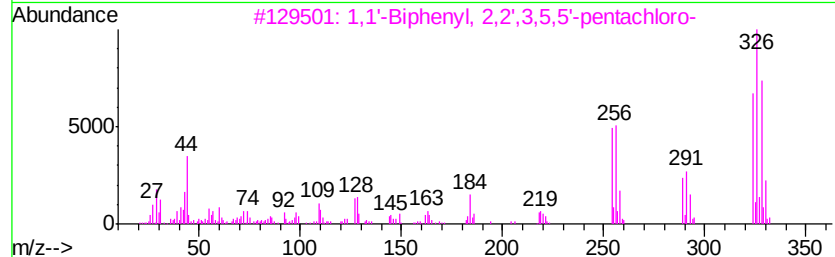
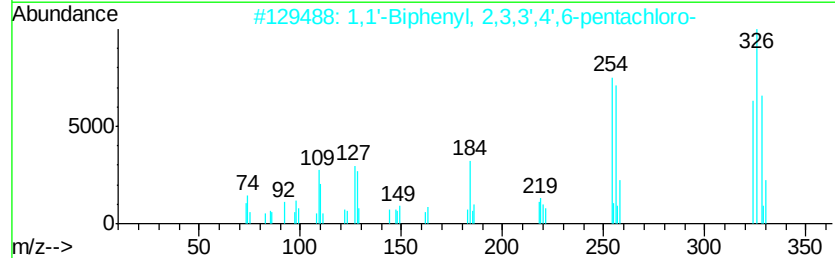
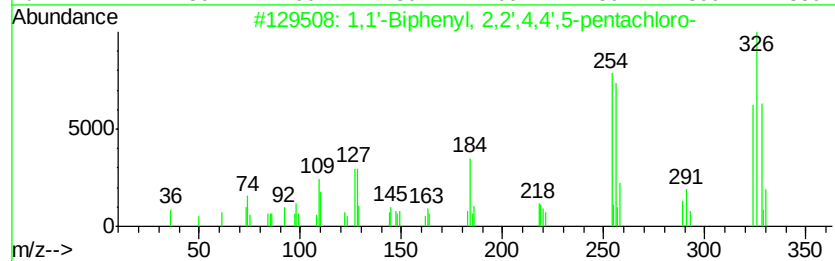
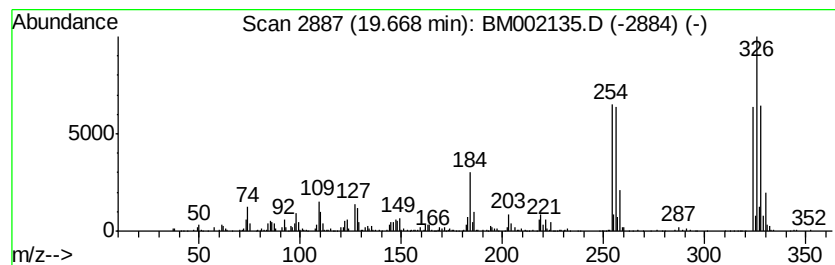
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Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.41 ng/ul	1523940	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2		1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3		1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4		1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

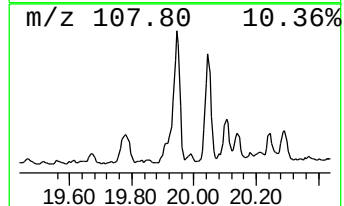
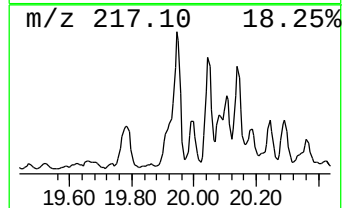
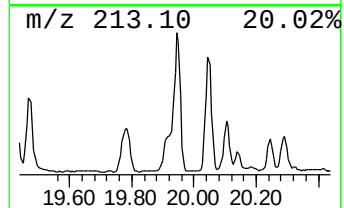
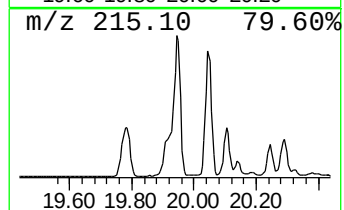
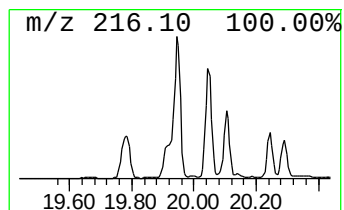
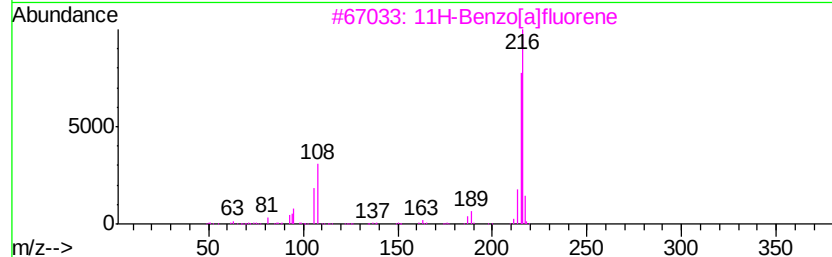
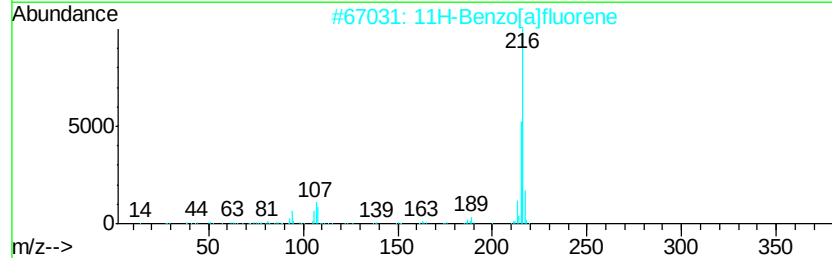
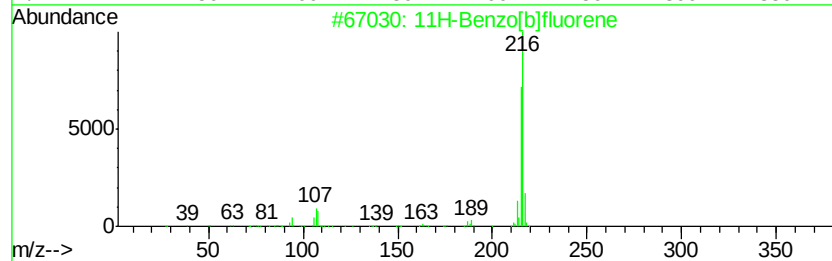
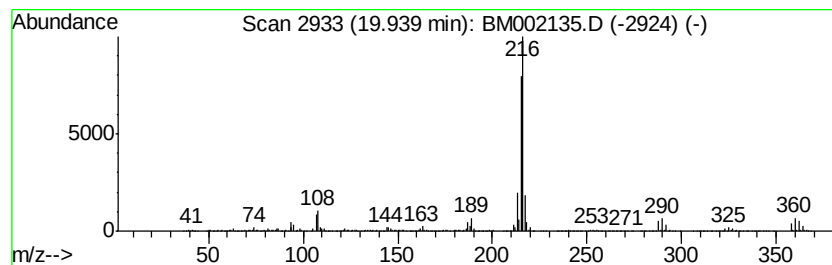
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	5.11 ng/ul	3229860	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 93
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 90
5		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

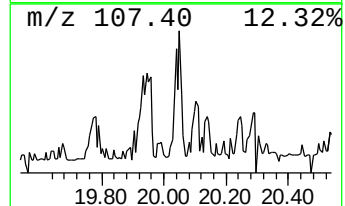
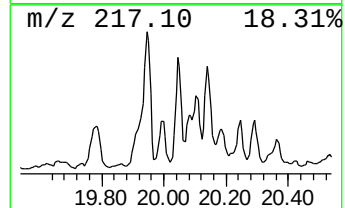
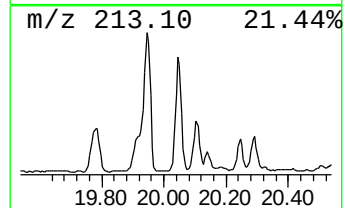
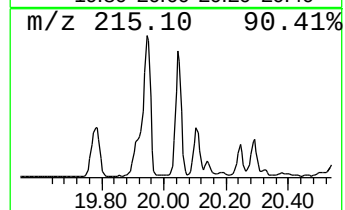
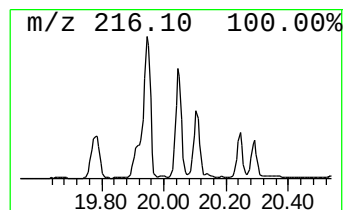
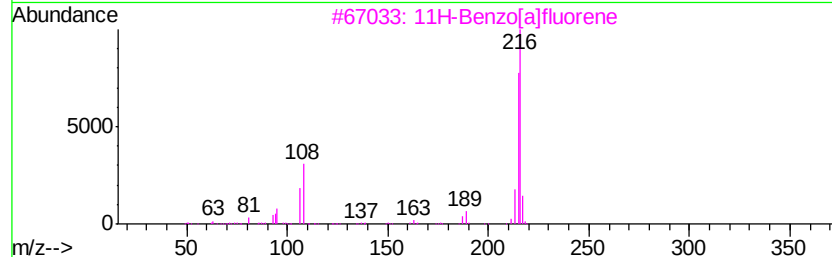
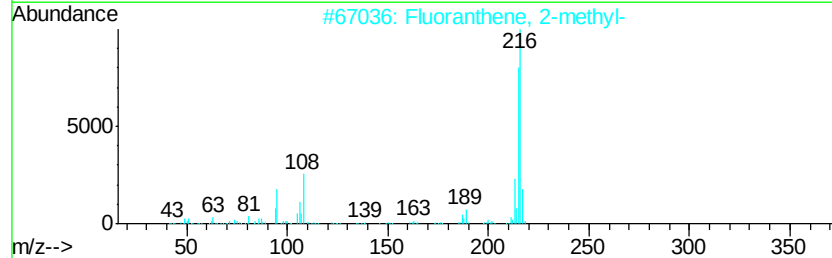
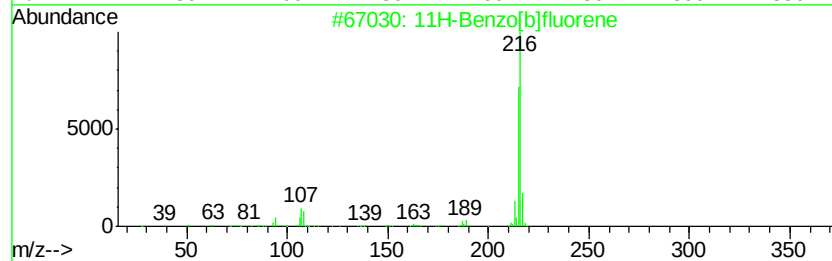
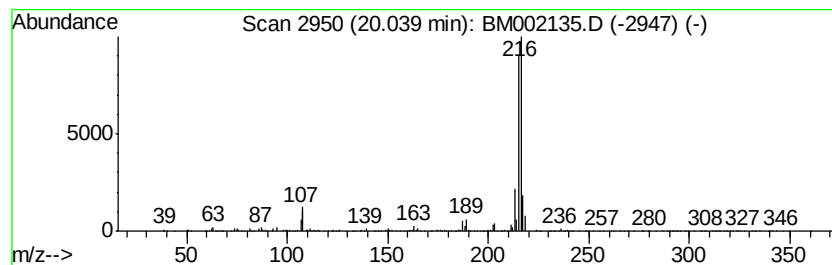
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 Fluoranthene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.46 ng/ul	1551560	Chrysene-d12	21.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4 94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6 91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6 90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4 90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6 86



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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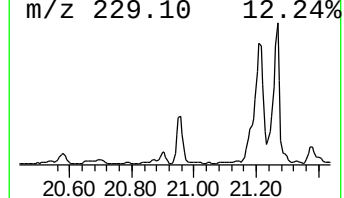
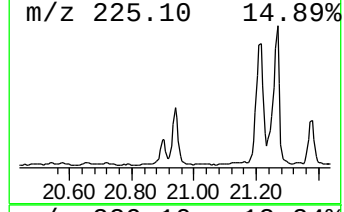
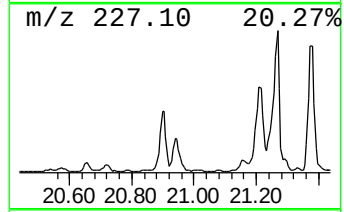
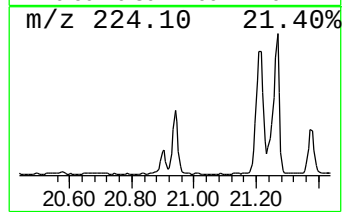
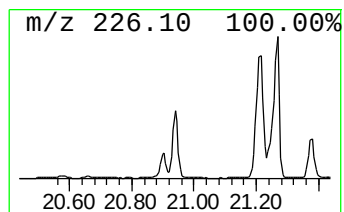
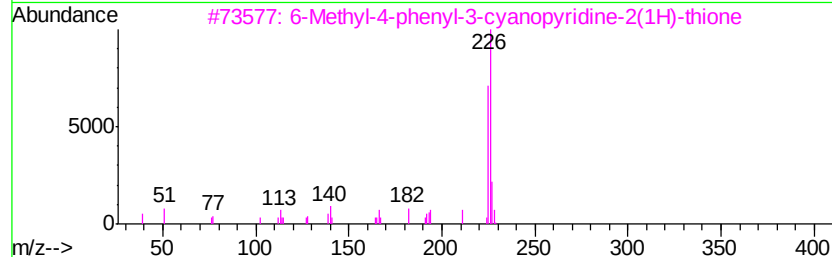
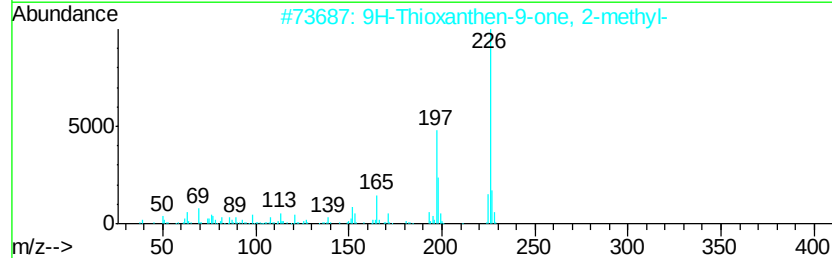
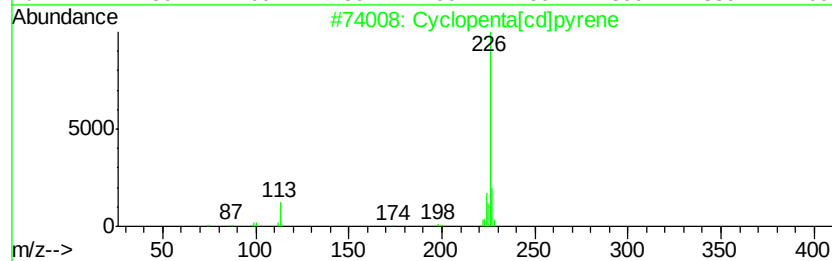
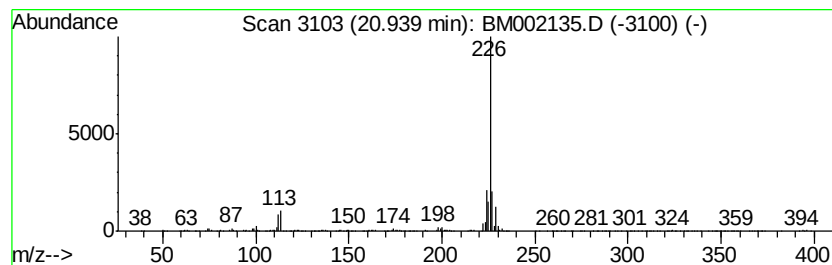
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 unknown-03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.70 ng/ul	1709200	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
3		6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	43
4		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
5		Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

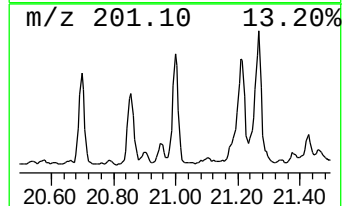
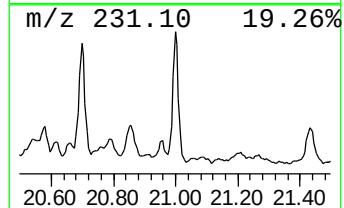
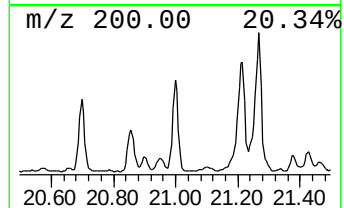
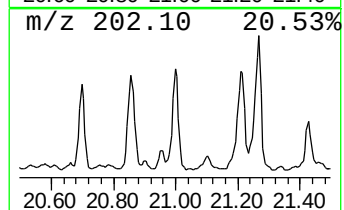
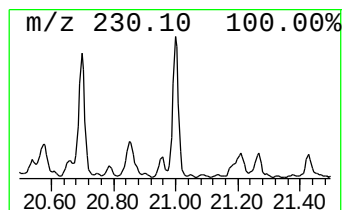
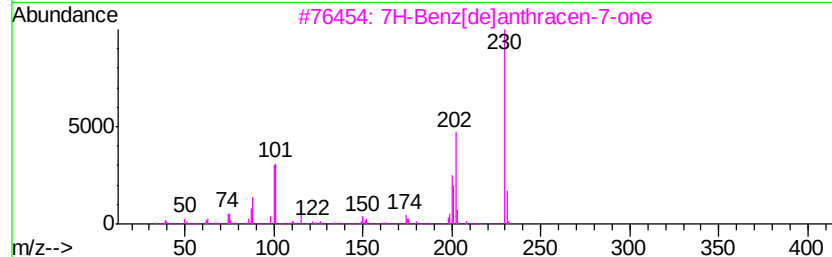
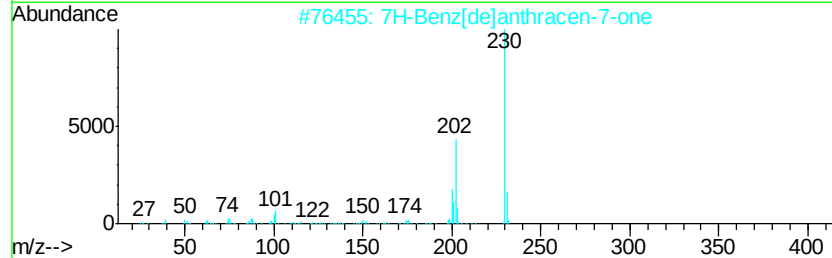
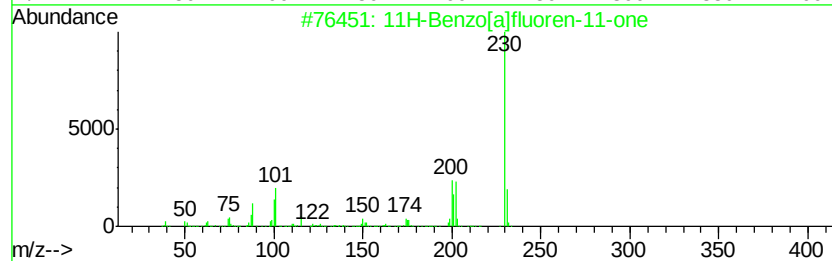
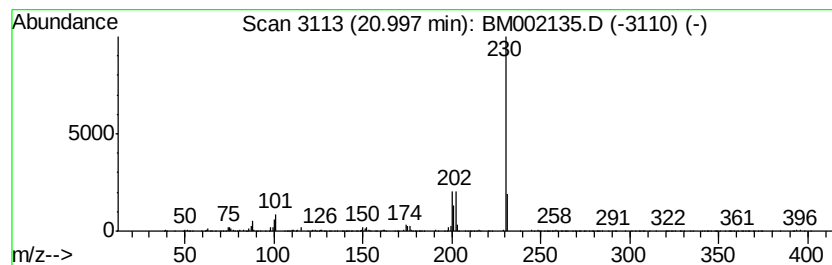
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 11H-Benzo[a]fluoren-11-one Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.00	2.31 ng/ul	1456750	Chrysene-d12	21.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01MORE

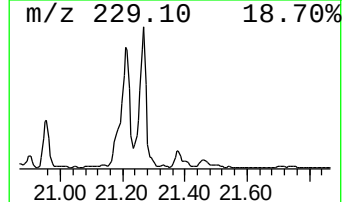
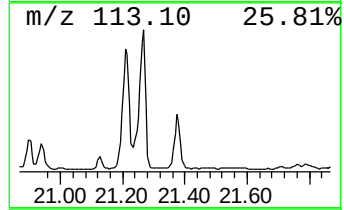
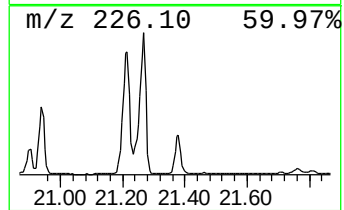
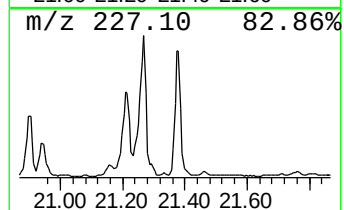
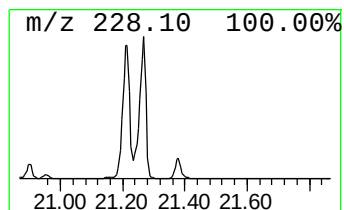
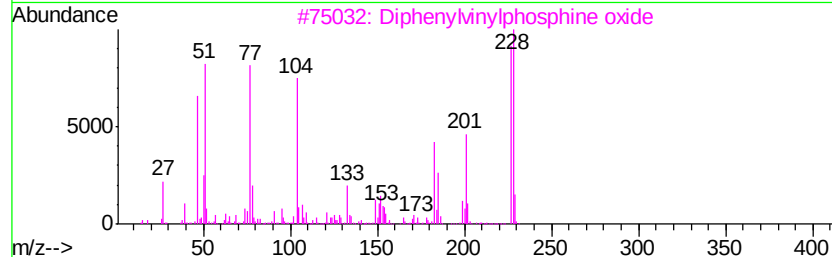
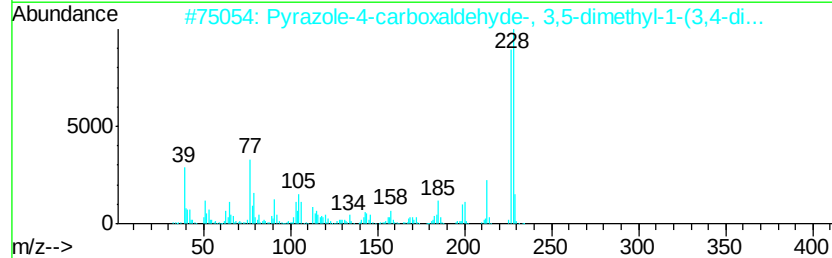
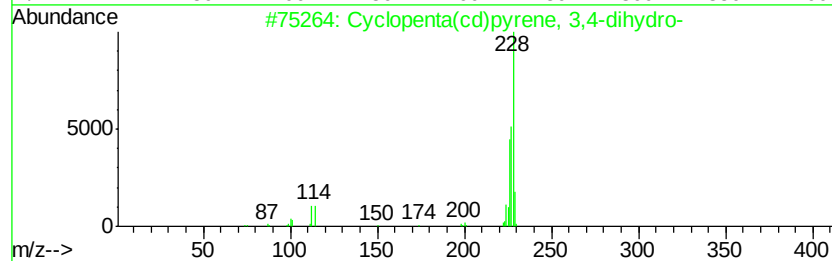
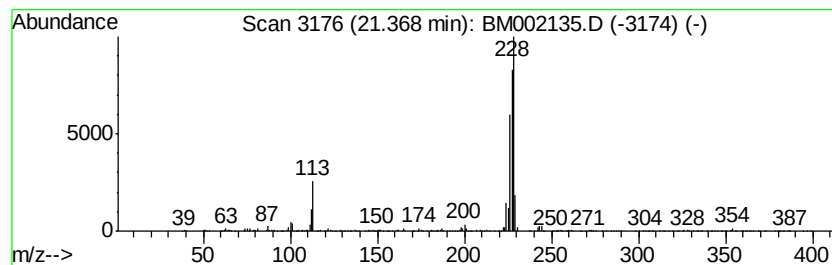
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Quant Title : SVOA CALIBRATION

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

Peak Number 34 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.67 ng/ul	1688520	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3		Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4		Triphenylene	228	C18H12	000217-59-4	45
5		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	43



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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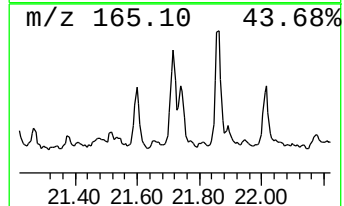
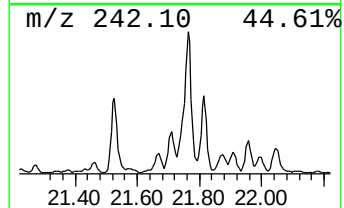
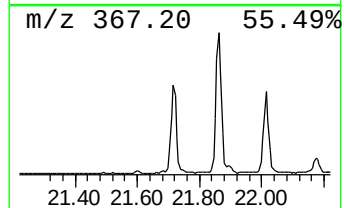
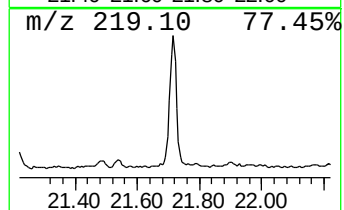
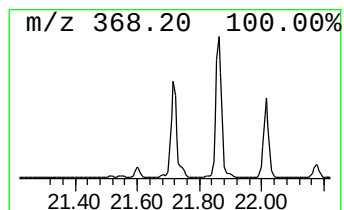
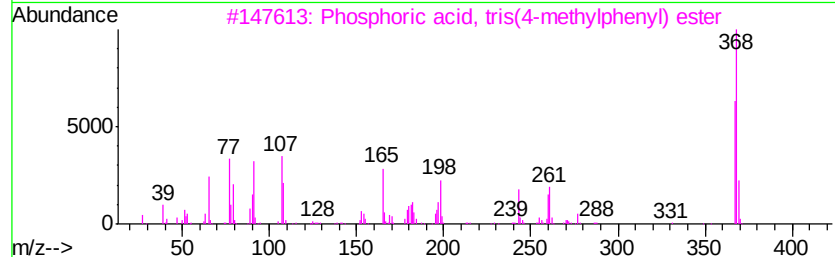
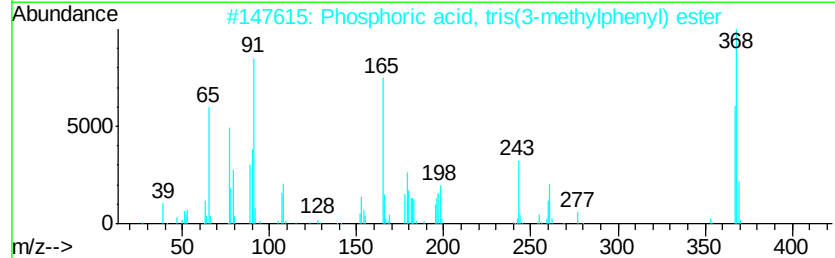
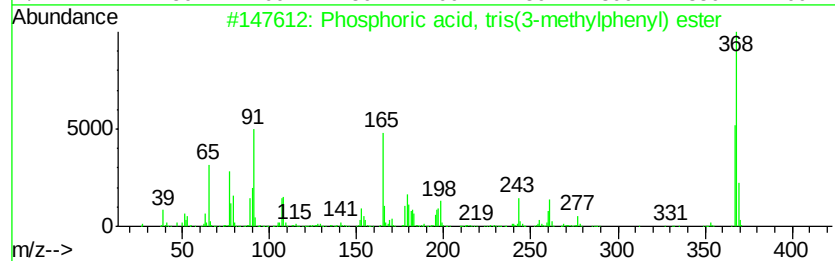
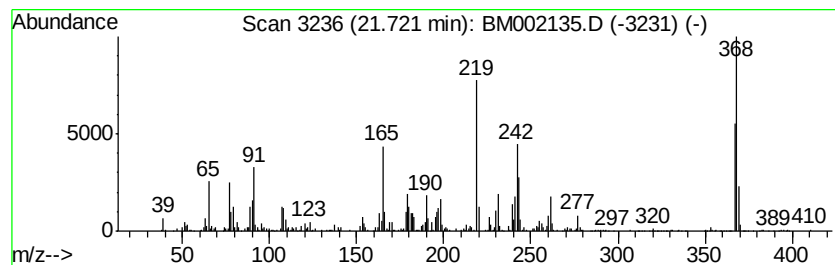
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 Phosphoric acid, tris(3-met... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	2.04 ng/ul	1289500	Chrysene-d12	21.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
2		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	97
3		Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
4		Chrysene, 1-methyl-	242	C19H14	003351-28-8	45
5		Chrysene, 6-methyl-	242	C19H14	001705-85-7	25



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002135.D
Acq On : 30 Jul 2015 14:14
Operator : TP/UM
Sample : G3030-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

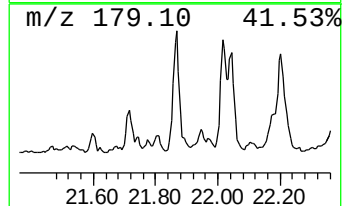
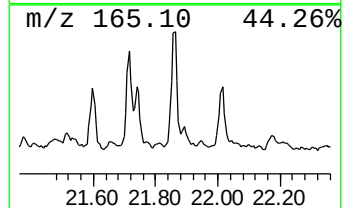
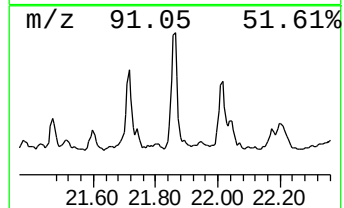
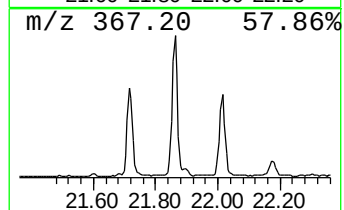
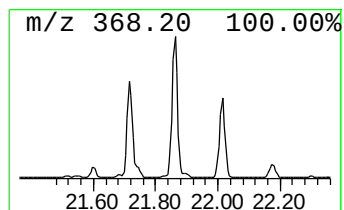
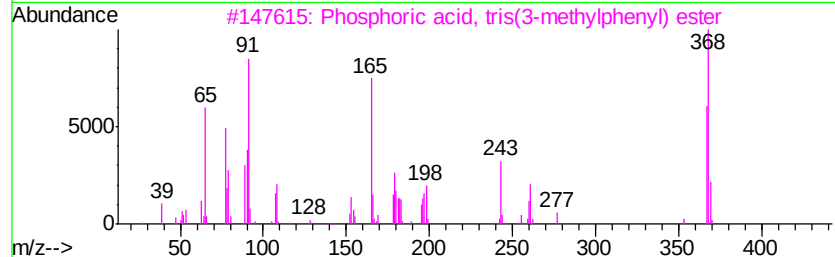
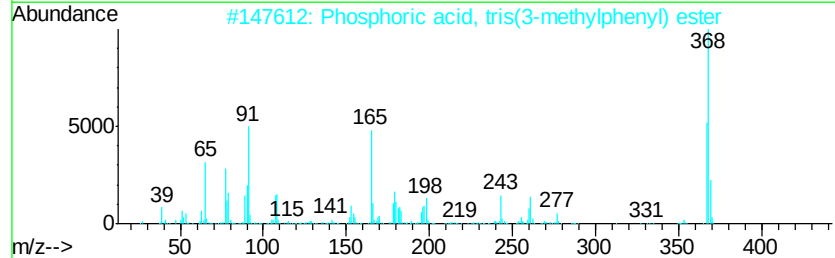
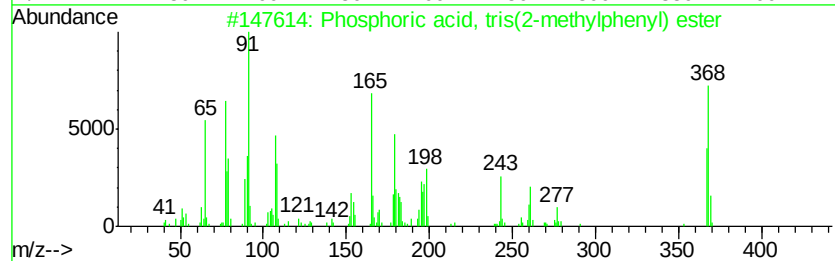
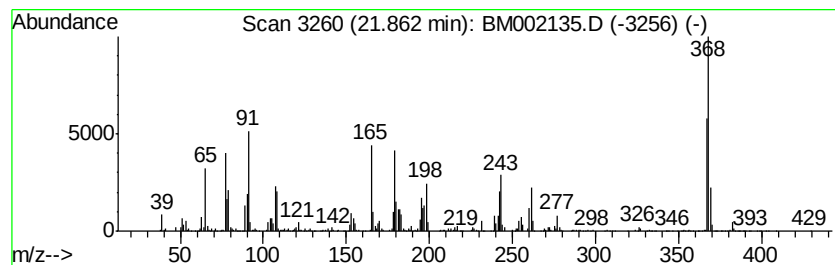
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BNA_M
ClientSampleId :
C01MORE

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

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

Peak Number 36 Phosphoric acid, tris(4-met... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.86	2.68 ng/ul	1694530	Chrysene-d12	21.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99	
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98	
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	97	
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	83	
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	68	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
 Data File : BM002135.D
 Acq On : 30 Jul 2015 14:14
 Operator : TP/UM
 Sample : G3030-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01MORE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1,7-...	13.57	3.1	ng/ul	196990	3	14.26	1272280	20.0
unknown-01	15.47	5.0	ng/ul	315537	3	14.26	1272280	20.0
1,1'-Biphenyl, 2,...	15.52	6.4	ng/ul	408099	3	14.26	1272280	20.0
Dibenzofuran, 4-m...	15.60	4.1	ng/ul	258176	3	14.26	1272280	20.0
2,4,6-Cycloheptat...	15.75	4.5	ng/ul	327903	4	17.01	1450380	20.0
unknown-02	15.99	3.7	ng/ul	265987	4	17.01	1450380	20.0
9H-Fluorene, 9-me...	16.31	3.8	ng/ul	278309	4	17.01	1450380	20.0
9H-Fluoren-9-one	16.66	4.9	ng/ul	354002	4	17.01	1450380	20.0
2-Propanol, 1-chl...	16.77	14.4	ng/ul	1046890	4	17.01	1450380	20.0
Naphtho[2,3-b]thi...	16.83	8.9	ng/ul	645735	4	17.01	1450380	20.0
1,1'-Biphenyl, 2'...	17.73	6.8	ng/ul	492758	4	17.01	1450380	20.0
Phenanthrene, 1-m...	17.89	18.7	ng/ul	1353960	4	17.01	1450380	20.0
4H-Cyclopenta[def...	18.08	41.6	ng/ul	3018800	4	17.01	1450380	20.0
1,1'-Biphenyl, 2,...	18.37	7.1	ng/ul	516190	4	17.01	1450380	20.0
Naphthalene, 2-ph...	18.39	11.1	ng/ul	806201	4	17.01	1450380	20.0
9,10-Anthracenedione	18.44	6.2	ng/ul	448101	4	17.01	1450380	20.0
1,1'-Biphenyl, 2,...	18.54	3.9	ng/ul	280179	4	17.01	1450380	20.0
Phenanthrene, 4,5...	18.64	4.7	ng/ul	340498	4	17.01	1450380	20.0
di-p-Tolylacetylene	18.69	2.1	ng/ul	152645	4	17.01	1450380	20.0
Phenanthrene, 2,5...	18.81	3.1	ng/ul	222286	4	17.01	1450380	20.0
1,1'-Biphenyl, 2,...	18.92	4.2	ng/ul	306890	4	17.01	1450380	20.0
1,1'-Biphenyl, 2,...	18.94	15.5	ng/ul	1125260	4	17.01	1450380	20.0
1,1'-Biphenyl, 2,...	19.67	2.4	ng/ul	1523940	5	21.23	12639100	20.0
11H-Benzo[b]fluorene	19.94	5.1	ng/ul	3229860	5	21.23	12639100	20.0
Fluoranthene, 2-m...	20.04	2.5	ng/ul	1551560	5	21.23	12639100	20.0
unknown-03	20.94	2.7	ng/ul	1709200	5	21.23	12639100	20.0
11H-Benzo[a]fluor...	21.00	2.3	ng/ul	1456750	5	21.23	12639100	20.0
Cyclopenta(cd)pyr...	21.37	2.7	ng/ul	1688520	5	21.23	12639100	20.0
Phosphoric acid, ...	21.72	2.0	ng/ul	1289500	5	21.23	12639100	20.0
Phosphoric acid, ...	21.86	2.7	ng/ul	1694530	5	21.23	12639100	20.0