

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
 Data File : BM005097.D
 Acq On : 27 Apr 2016 14:36
 Operator : UM/SJ
 Sample : H2584-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7M0DL

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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	6.798	694	699	710	rBV	12902	23357	1.28%	0.146%
2	6.969	719	728	735	rBV2	13593	25496	1.40%	0.159%
3	7.134	749	756	763	rBV	31449	49630	2.72%	0.310%
4	7.334	783	790	798	rBV	33180	52603	2.89%	0.329%
5	7.446	804	809	817	rBV	22139	31654	1.74%	0.198%
6	7.522	817	822	829	rVV	28324	42549	2.33%	0.266%
7	7.798	863	869	878	rBV	297091	476436	26.14%	2.980%
8	8.169	926	932	939	rBV	175957	274686	15.07%	1.718%
9	8.504	984	989	999	rVB	32309	52959	2.91%	0.331%
10	8.957	1059	1066	1076	rVB2	33022	61131	3.35%	0.382%
11	9.151	1094	1099	1105	rVB	17303	25803	1.42%	0.161%
12	9.269	1112	1119	1126	rBV	33571	69336	3.80%	0.434%
13	9.675	1183	1188	1196	rVB	24737	38875	2.13%	0.243%
14	9.834	1210	1215	1223	rBV3	20438	35304	1.94%	0.221%
15	9.986	1235	1241	1247	rBV2	23653	38542	2.11%	0.241%
16	10.210	1273	1279	1291	rBV	51251	83665	4.59%	0.523%
17	10.586	1336	1343	1347	rBV	470136	810630	44.48%	5.071%
18	10.639	1347	1352	1363	rVV	1066413	1822611	100.00%	11.401%
19	10.757	1365	1372	1381	rVB	193831	329753	18.09%	2.063%
20	11.716	1529	1535	1545	rBV2	10829	19979	1.10%	0.125%
21	12.251	1618	1626	1637	rBV	219305	355111	19.48%	2.221%
22	12.469	1653	1663	1673	rVB	139105	225122	12.35%	1.408%
23	13.263	1793	1798	1805	rVB	36933	53146	2.92%	0.332%
24	13.751	1877	1881	1887	rVB	12151	18550	1.02%	0.116%
25	13.839	1892	1896	1902	rVB	114849	158386	8.69%	0.991%
26	14.127	1939	1945	1955	rBV	121829	180761	9.92%	1.131%
27	14.439	1989	1998	2005	rBV2	764934	1219214	66.89%	7.627%
28	14.498	2005	2008	2014	rVV2	14013	20253	1.11%	0.127%
29	14.569	2014	2020	2031	rVV	85059	125628	6.89%	0.786%
30	14.833	2060	2065	2074	rBV2	139130	234509	12.87%	1.467%
31	14.927	2074	2081	2092	rBV	119686	209569	11.50%	1.311%
32	15.427	2161	2166	2172	rVB	177519	265838	14.59%	1.663%
33	15.486	2172	2176	2183	rVB3	13083	20448	1.12%	0.128%
34	15.551	2183	2187	2192	rBV2	26893	35807	1.96%	0.224%

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Instrument :
BNA_M
ClientSampleId :
BC7MODL

Integration Parameters: LSCINT.P

Integrator: RTE
Smoothing : OFF
Sampling : 1
Start Thrs: 0.2
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Min Area: 1 % of largest Peak
Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	15.792	2222	2228	2233	rVB4	21651	32554	1.79%	0.204%
36	16.163	2283	2291	2305	rBV	140777	295459	16.21%	1.848%
37	16.298	2309	2314	2319	rBV3	10389	19898	1.09%	0.124%
38	16.351	2319	2323	2326	rVV2	28575	39192	2.15%	0.245%
39	16.427	2326	2336	2354	rVB	311389	758547	41.62%	4.745%
40	16.698	2376	2382	2389	rBV2	102318	178934	9.82%	1.119%
41	16.833	2398	2405	2413	rBV3	101859	189878	10.42%	1.188%
42	17.021	2430	2437	2443	rBV	102456	172439	9.46%	1.079%
43	17.080	2443	2447	2458	rVV	37105	63617	3.49%	0.398%
44	17.186	2458	2465	2470	rVV2	1036040	1524946	83.67%	9.539%
45	17.227	2470	2472	2475	rVV	33201	40283	2.21%	0.252%
46	17.280	2475	2481	2485	rVV	321903	543281	29.81%	3.398%
47	17.315	2485	2487	2496	rVV	110885	158127	8.68%	0.989%
48	17.392	2496	2500	2504	rVV	52221	83905	4.60%	0.525%
49	17.433	2504	2507	2517	rVB	27964	41773	2.29%	0.261%
50	17.545	2517	2526	2532	rBV	148291	316673	17.37%	1.981%
51	17.621	2533	2539	2545	rVV2	34276	75784	4.16%	0.474%
52	17.704	2548	2553	2560	rVB3	17167	33816	1.86%	0.212%
53	18.004	2597	2604	2606	rBV3	17687	31509	1.73%	0.197%
54	18.327	2654	2659	2663	rBV2	14775	24012	1.32%	0.150%
55	18.409	2668	2673	2680	rBV2	19631	36165	1.98%	0.226%
56	18.962	2764	2767	2777	rVB2	12008	21766	1.19%	0.136%
57	19.498	2850	2858	2864	rBV2	107082	134952	7.40%	0.844%
58	19.580	2867	2872	2876	rVV	254610	348359	19.11%	2.179%
59	20.551	3033	3037	3043	rBV	83866	88793	4.87%	0.555%
60	21.374	3171	3177	3185	rBV	1318876	1700464	93.30%	10.637%
61	22.427	3353	3356	3361	rVB2	15201	18637	1.02%	0.117%
62	22.939	3440	3443	3448	rVB2	18030	22610	1.24%	0.141%
63	23.515	3534	3541	3549	rVB2	129445	243111	13.34%	1.521%
64	23.656	3558	3565	3578	rVB2	649413	1259137	69.08%	7.877%

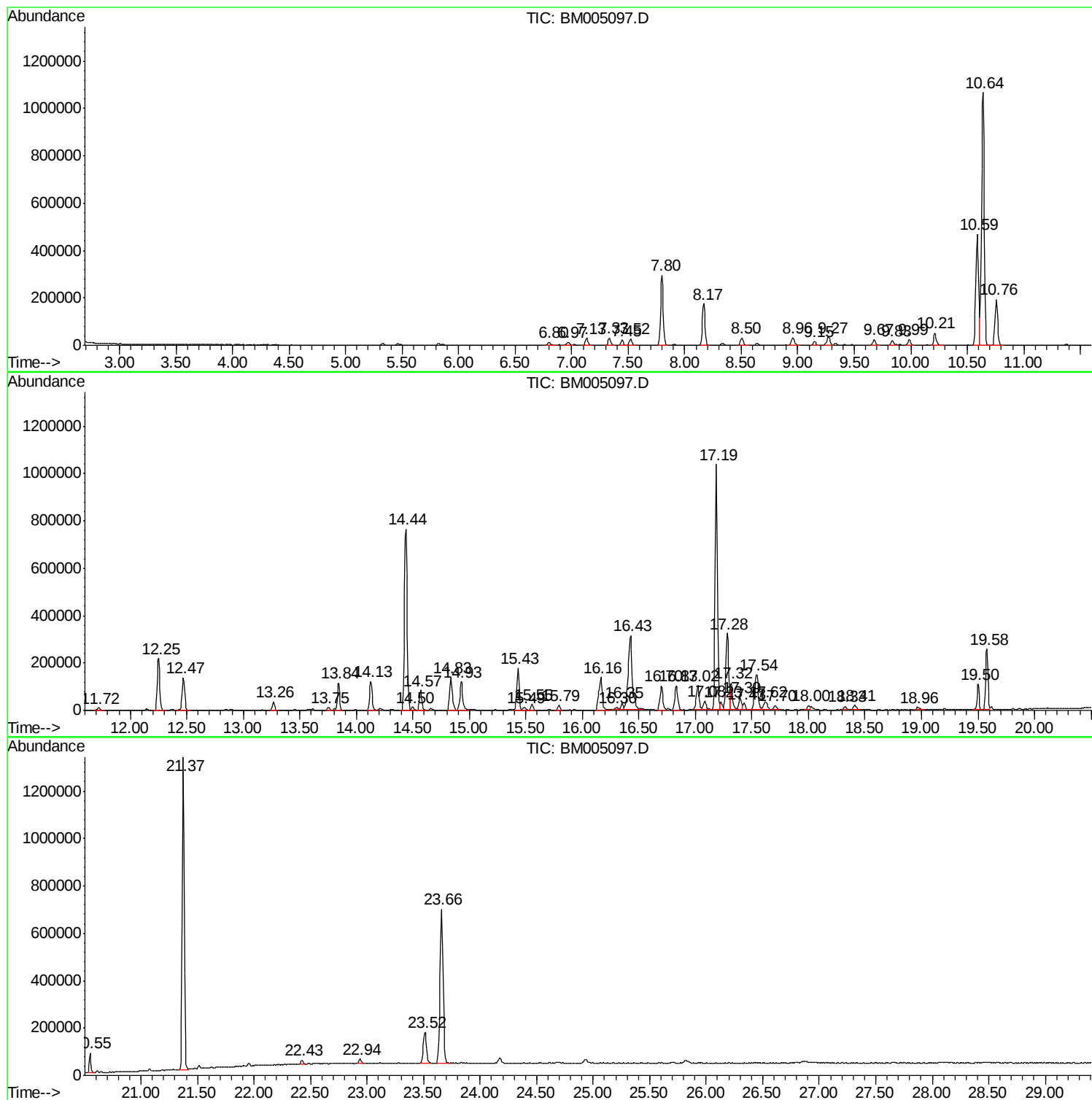
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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



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ClientSampleId :
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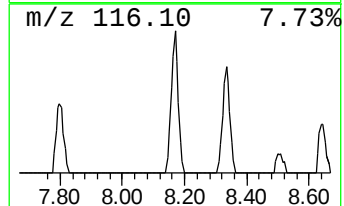
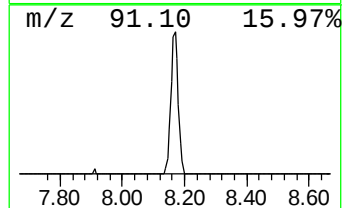
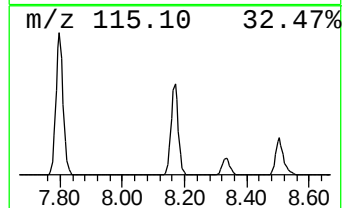
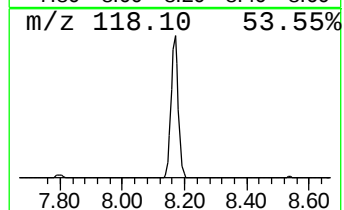
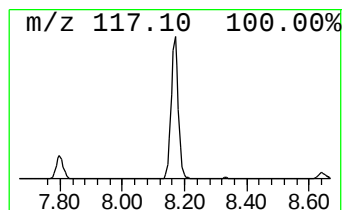
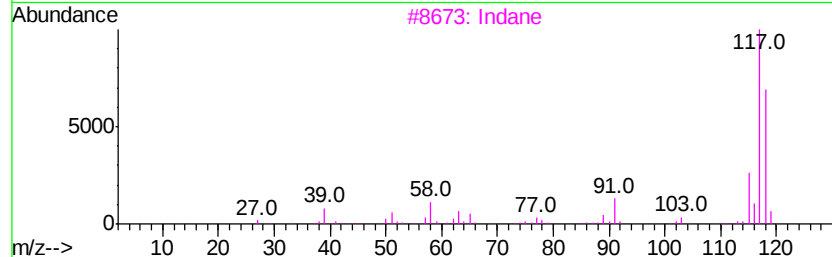
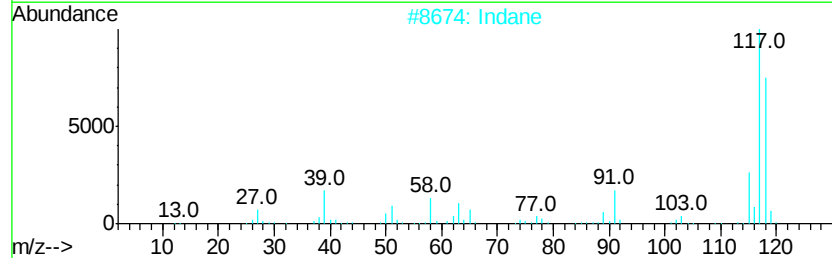
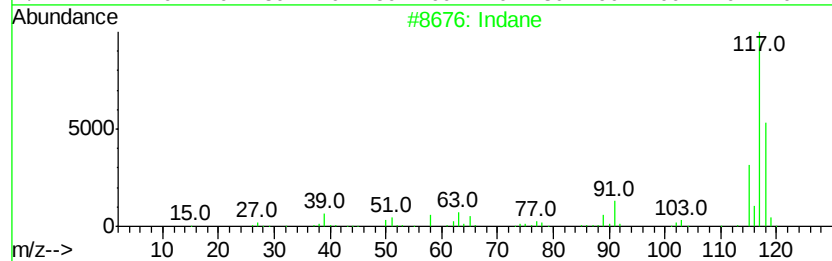
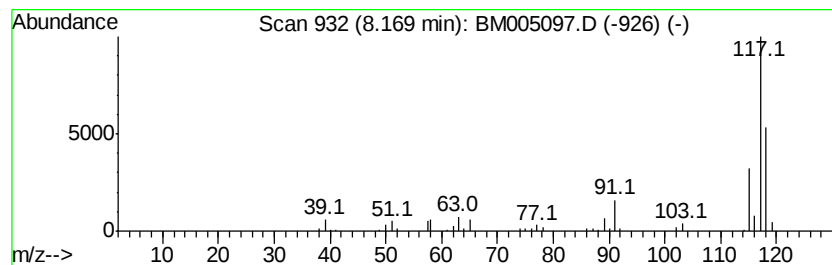
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Quant Title : SVOA CALIBRATION

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

Peak Number 1 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	11.53 ng/ul	274686	1,4-Dichlorobenzene-d4	7.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Indane		118	C9H10	000496-11-7	91
3	Indane		118	C9H10	000496-11-7	64
4	Benzene, 1,1'-(1,5-hexadiene-1,6...		234	C18H18	004439-45-6	59
5	Benzene, 1-propenyl-		118	C9H10	000637-50-3	53



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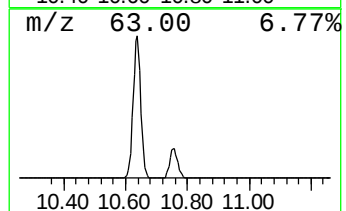
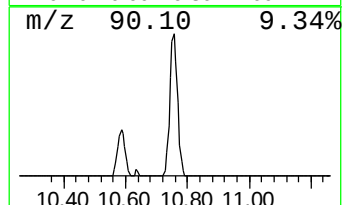
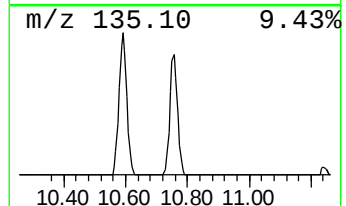
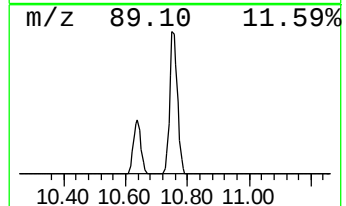
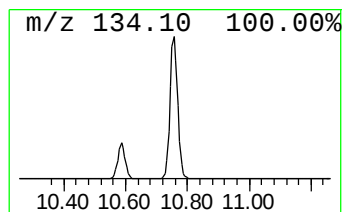
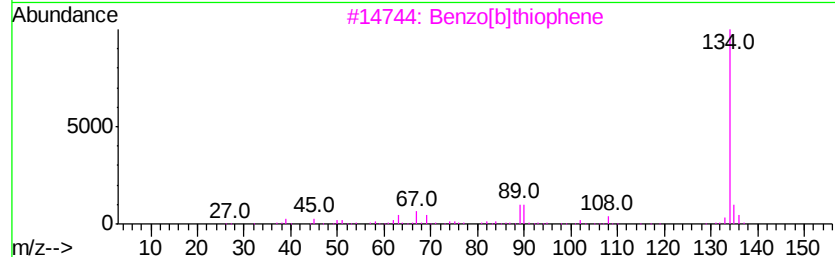
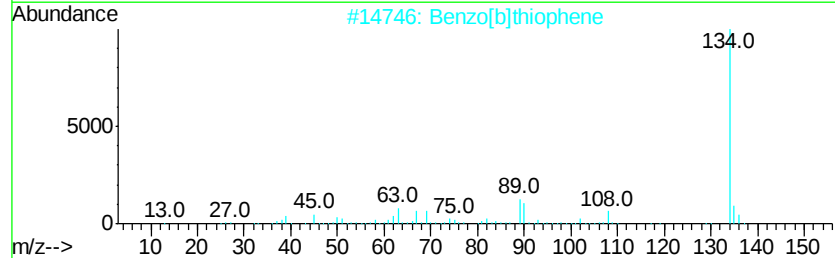
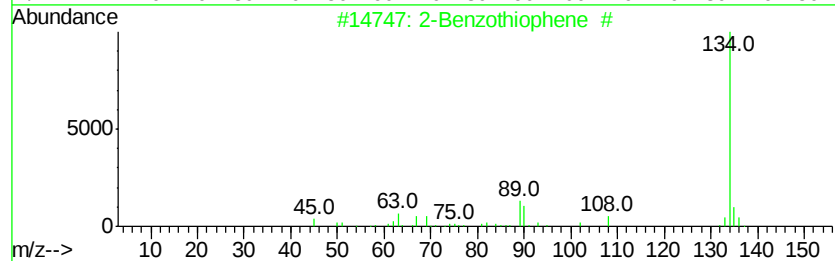
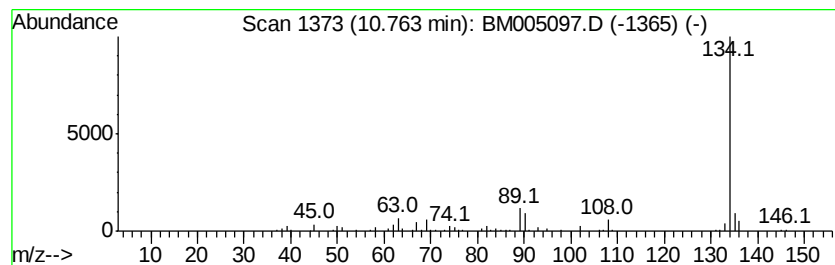
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 2-Benzothiophene # Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	8.14 ng/ul	329753	Naphthalene-d8	10.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94



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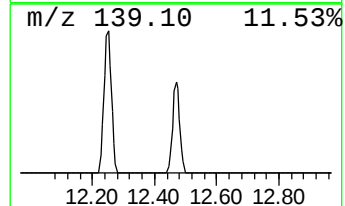
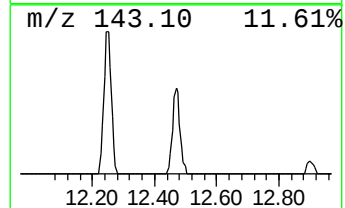
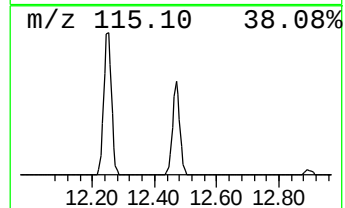
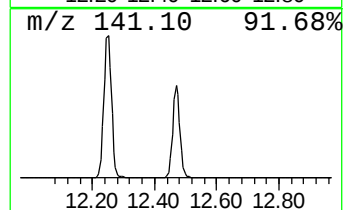
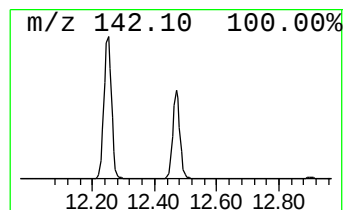
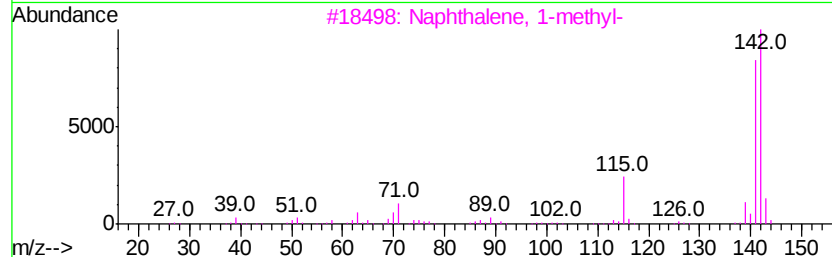
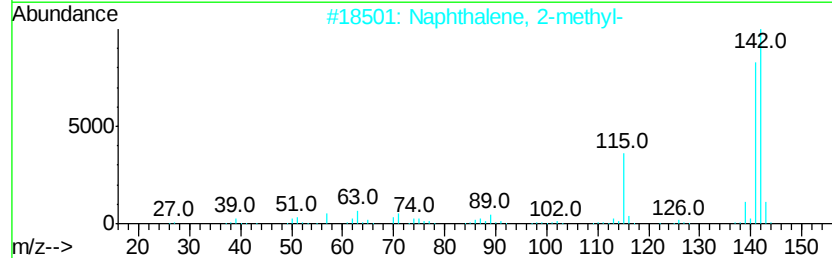
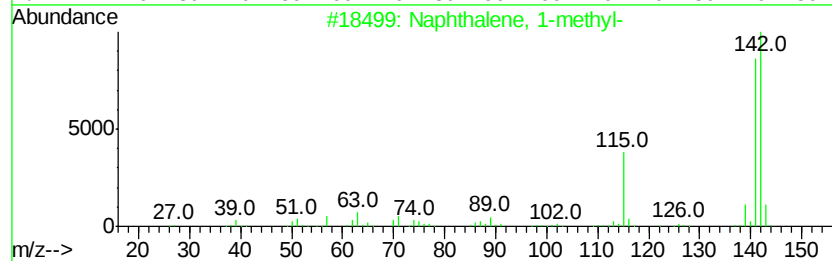
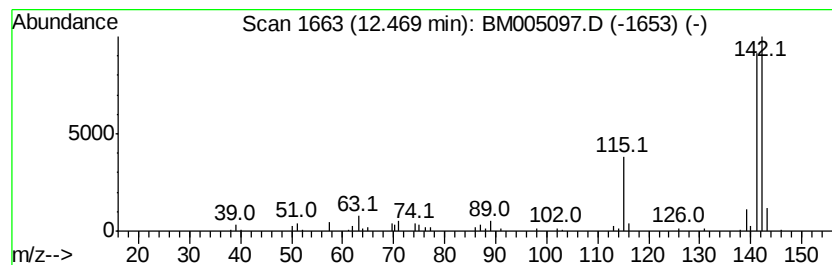
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	5.55 ng/ul	225122	Naphthalene-d8	10.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



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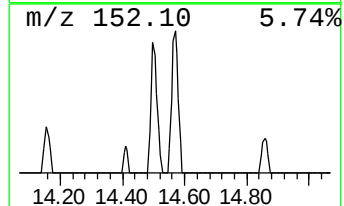
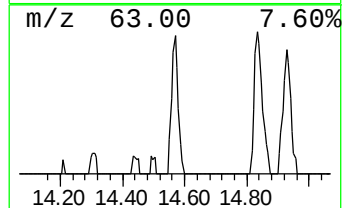
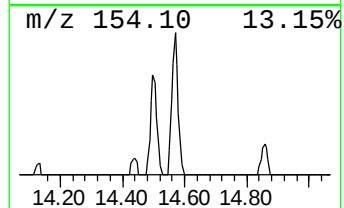
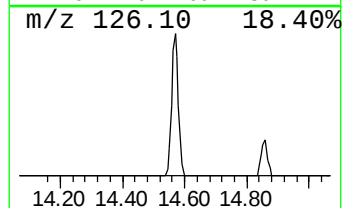
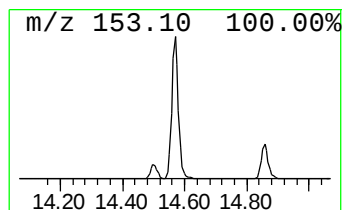
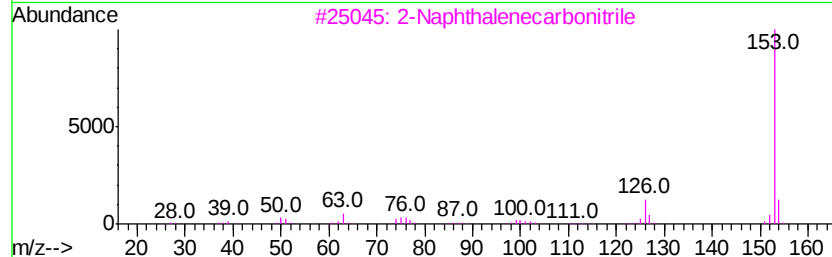
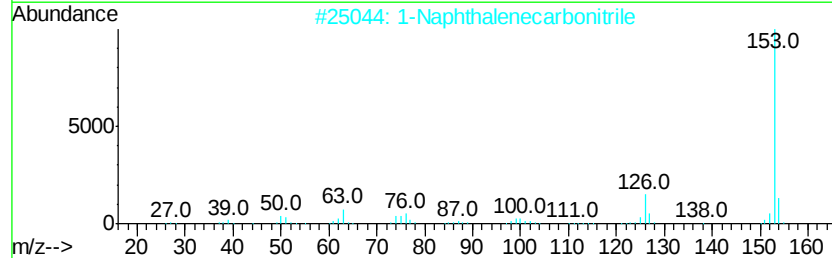
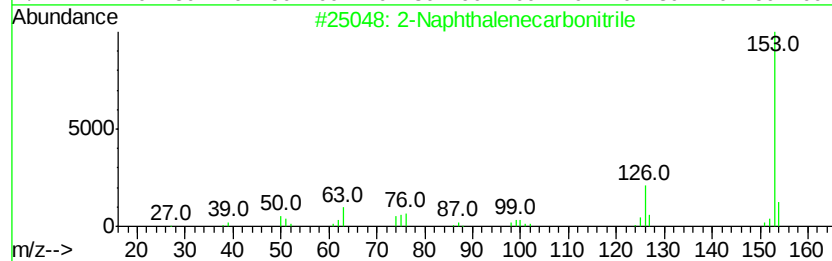
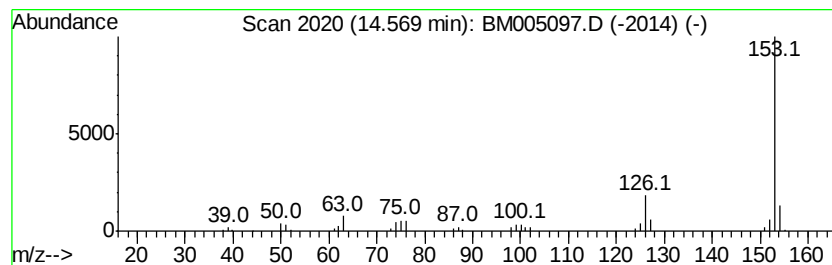
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 2-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.06 ng/ul	125628	Acenaphthene-d10	14.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Naphthalenecarbonitrile	153 C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153 C11H7N	000086-53-3	97
3	2-Naphthalenecarbonitrile	153 C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153 C11H7N	000086-53-3	91
5	Naphthalene, 1-isocyano-	153 C11H7N	001984-04-9	90



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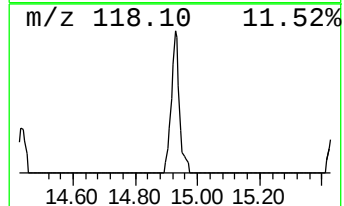
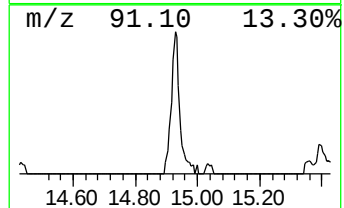
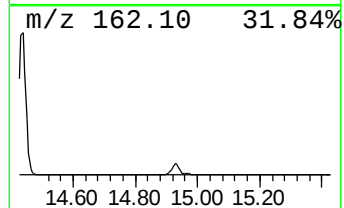
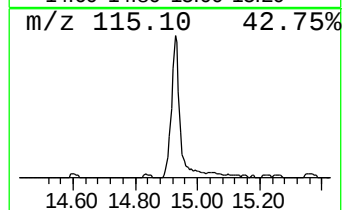
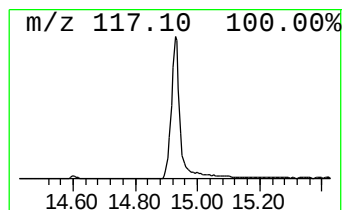
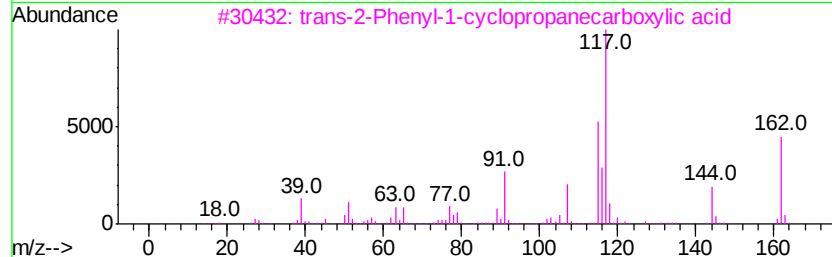
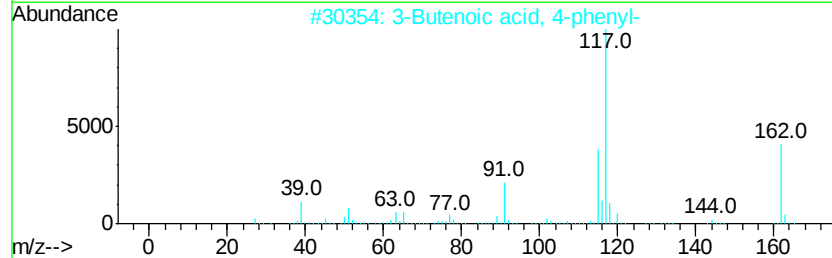
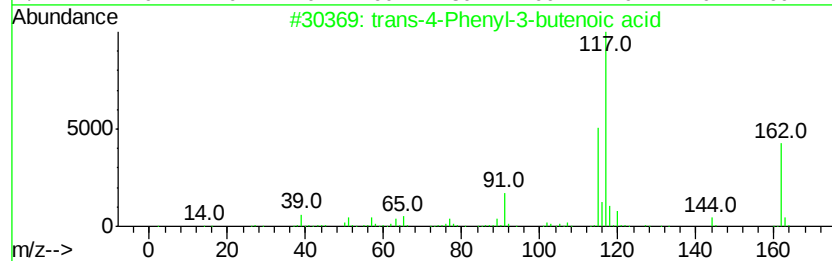
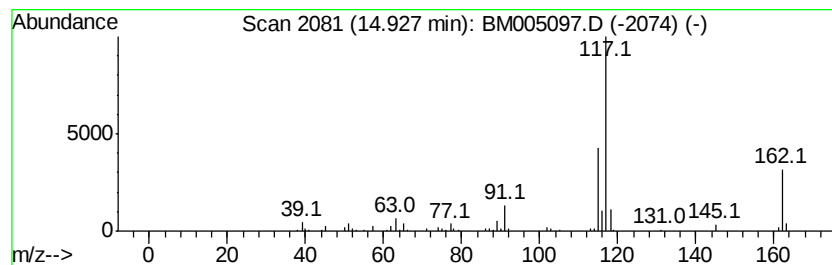
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 trans-4-Phenyl-3-butenic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.44 ng/ul	209569	Acenaphthene-d10	14.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Phenyl-3-butenic acid			162	C10H10O2	001914-58-5	94
2	3-Butenoic acid, 4-phenyl-			162	C10H10O2	002243-53-0	91
3	trans-2-Phenyl-1-cyclopropanecar...			162	C10H10O2	000939-90-2	72
4	Benzene, 1-pentenyl-			146	C11H14	000826-18-6	64
5	Benzene, (2-bromocyclopropyl)-			196	C9H9Br	036617-02-4	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005097.D
Acq On : 27 Apr 2016 14:36
Operator : UM/SJ
Sample : H2584-01DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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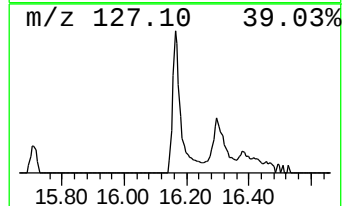
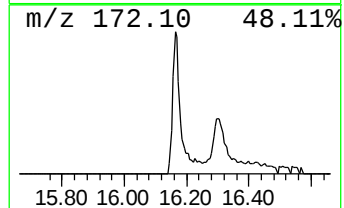
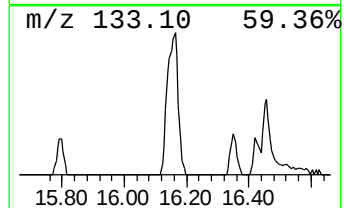
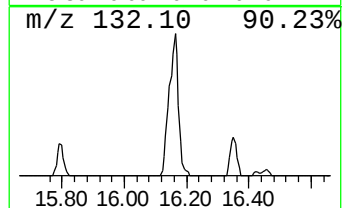
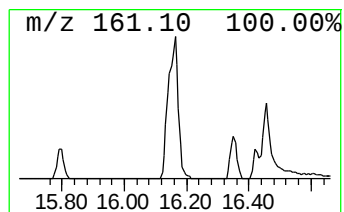
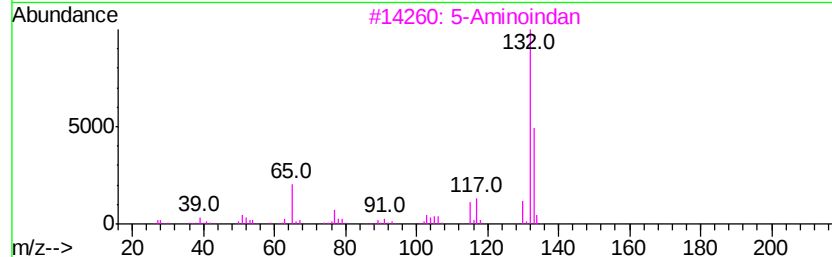
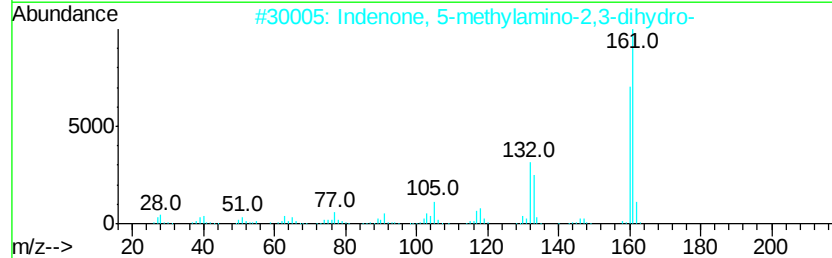
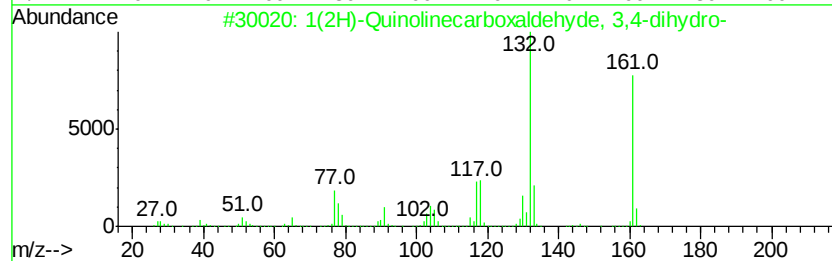
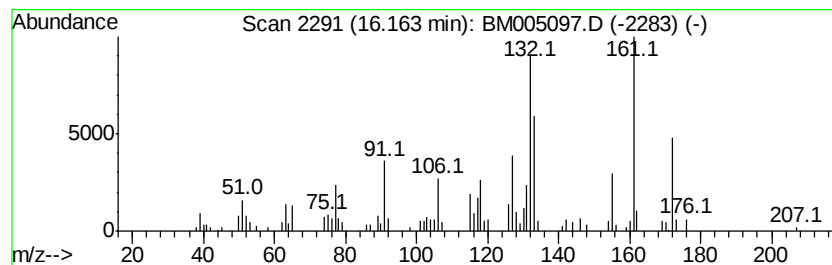
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1(2H)-Quinolinecarboxaldehy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	3.88 ng/ul	295459	Phenanthrene-d10	17.19

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	50
2		Indenone, 5-methylamino-2,3-dihy...	161	C10H11NO	1000153-18-7	43
3		5-Aminoindan	133	C9H11N	024425-40-9	30
4		Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	30
5		Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005097.D
Acq On : 27 Apr 2016 14:36
Operator : UM/SJ
Sample : H2584-01DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

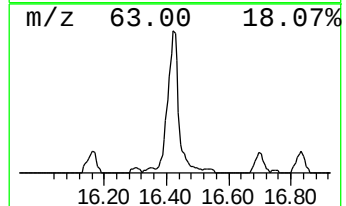
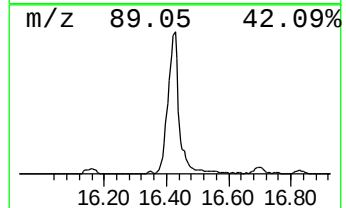
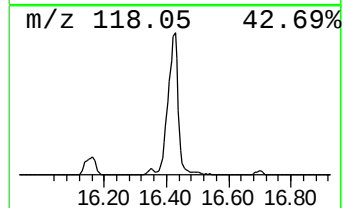
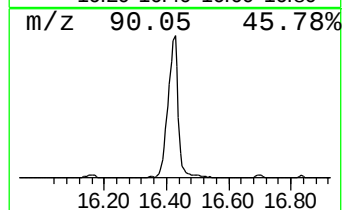
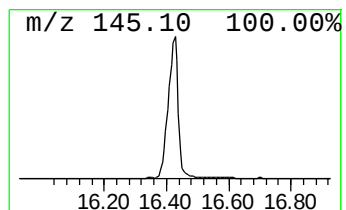
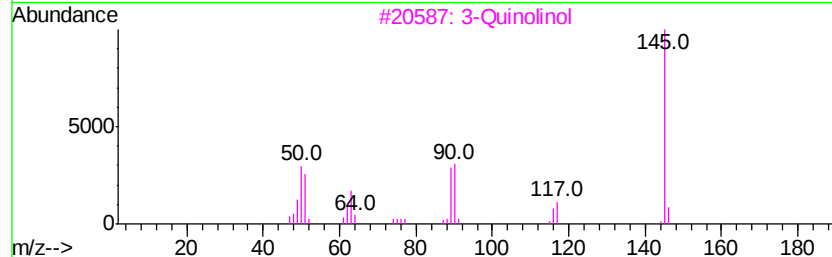
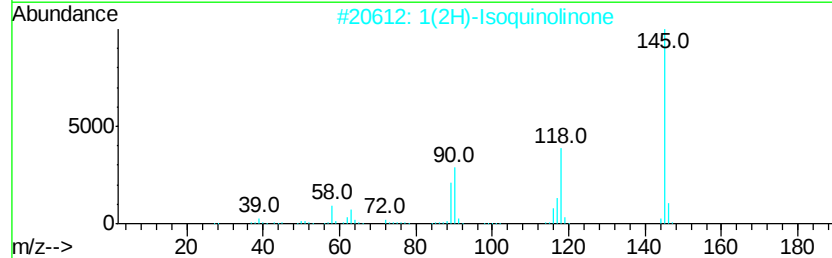
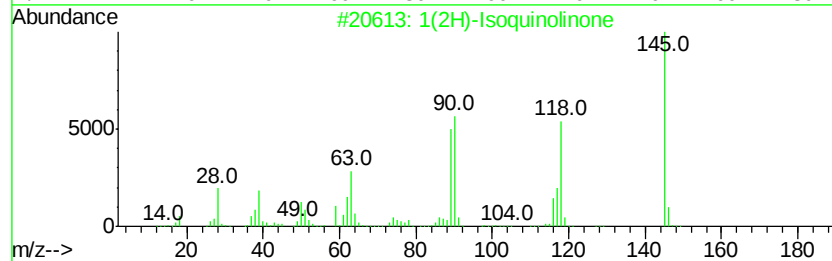
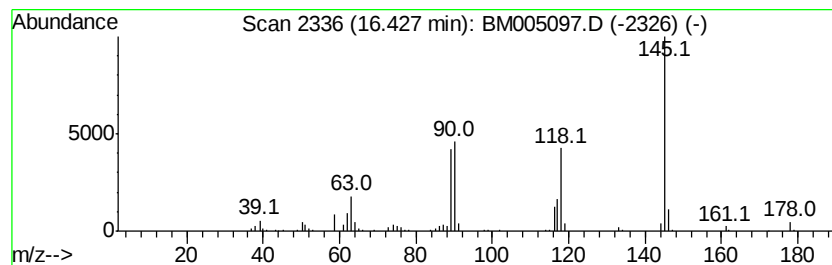
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 1(2H)-Isoquinolinone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.43	9.95 ng/ul	758547	Phenanthrene-d10		17.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	96
2	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	94
3	3-Quinolinol	145	C9H7NO	000580-18-7	74
4	Isoquinoline, 2-oxide	145	C9H7NO	001532-72-5	64
5	Quinoline, 1-oxide	145	C9H7NO	001613-37-2	64



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005097.D
Acq On : 27 Apr 2016 14:36
Operator : UM/SJ
Sample : H2584-01DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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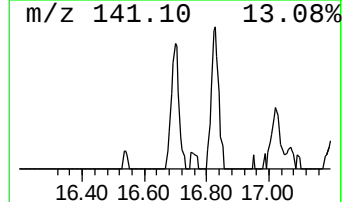
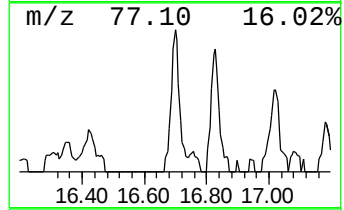
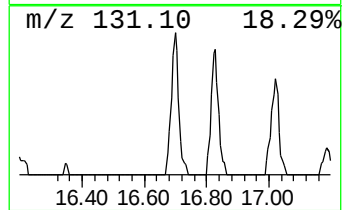
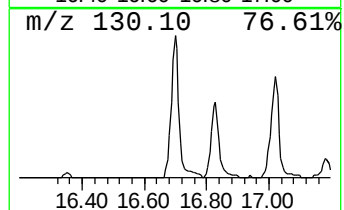
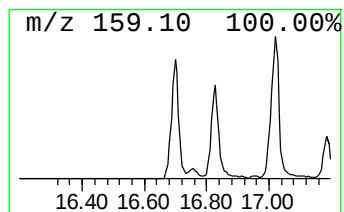
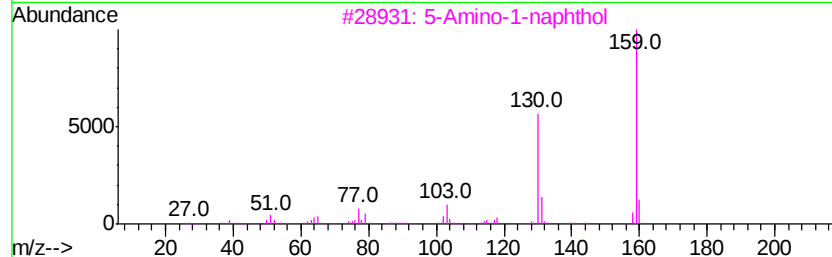
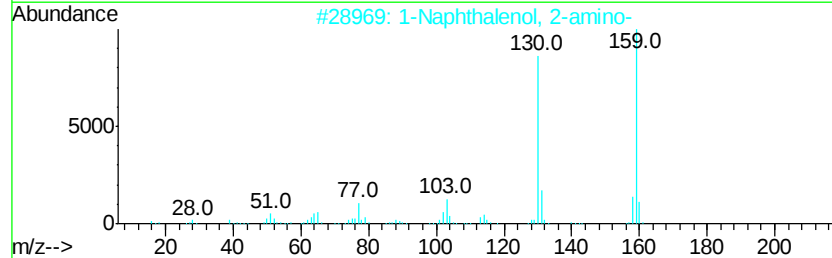
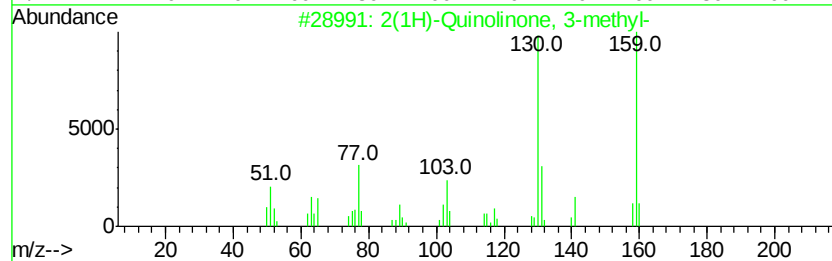
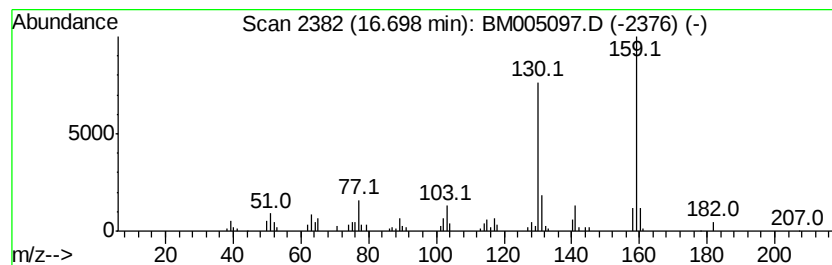
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 2(1H)-Quinolinone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.35 ng/ul	178934	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	97
2		1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	94
3		5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
4		2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	90
5		2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005097.D
Acq On : 27 Apr 2016 14:36
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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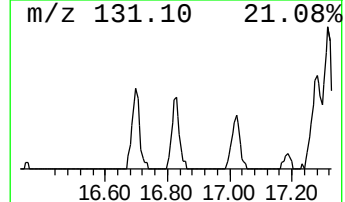
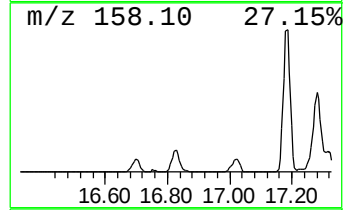
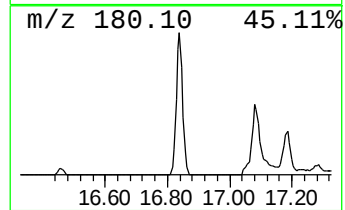
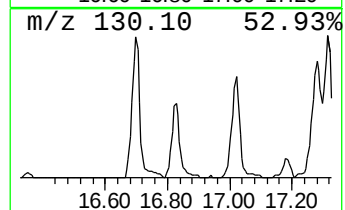
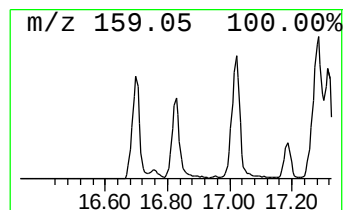
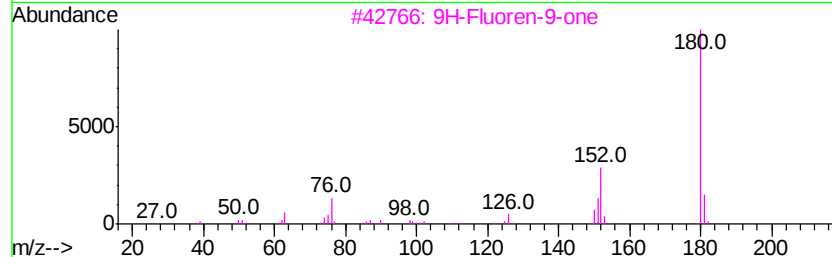
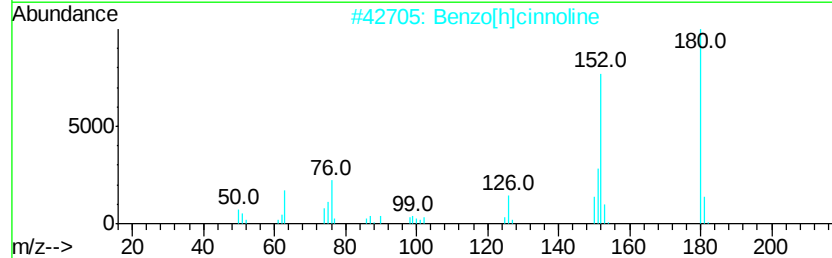
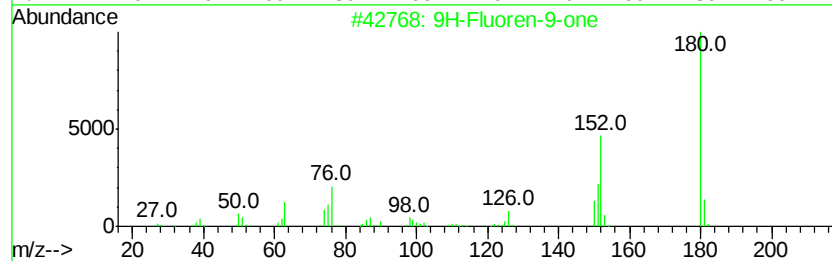
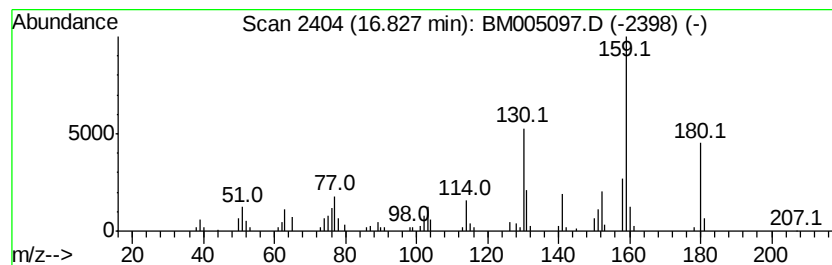
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.49 ng/ul	189878	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	84
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
5		2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	46



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
Data File : BM005097.D
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Operator : UM/SJ
Sample : H2584-01DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

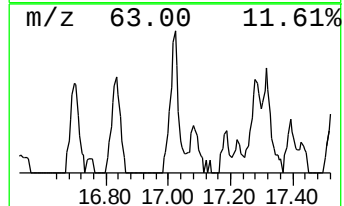
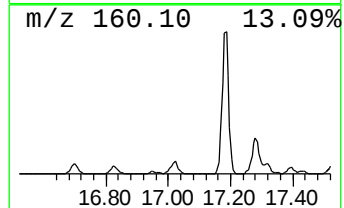
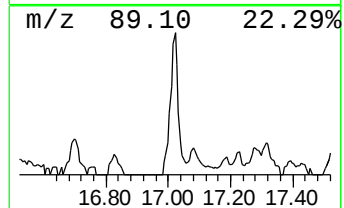
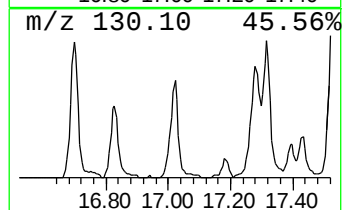
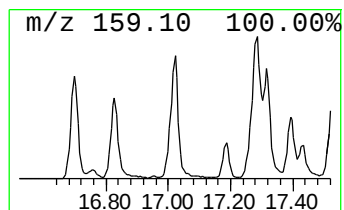
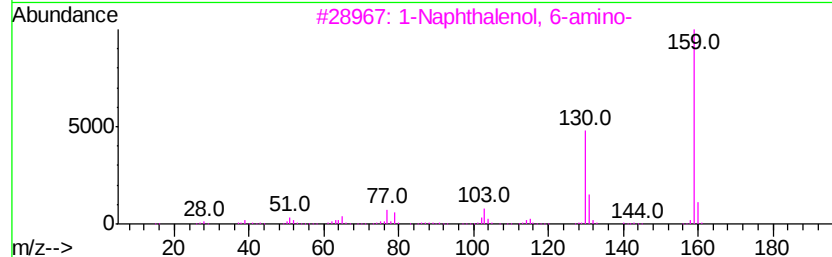
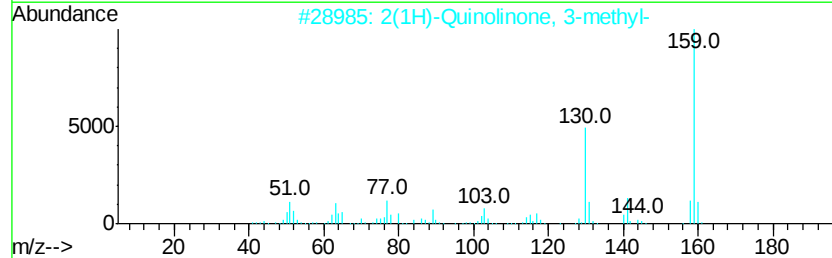
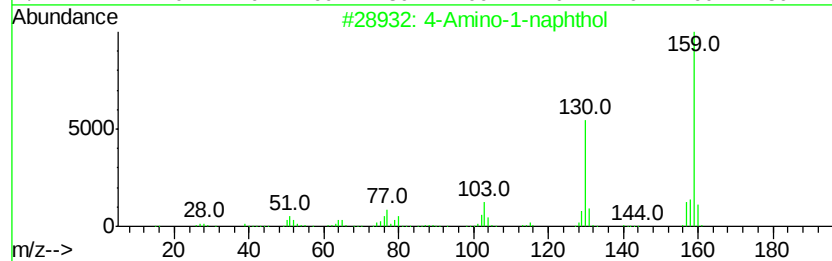
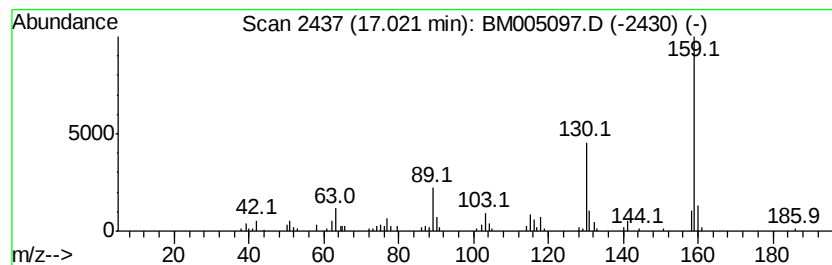
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 4-Amino-1-naphthol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.02	2.26 ng/ul	172439	Phenanthrene-d10		17.19	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Amino-1-naphthol	159	C10H9NO	002834-90-4	81
2		2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	80
3		1-Naphthalenol, 6-amino-	159	C10H9NO	023894-12-4	76
4		4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	74
5		5-Amino-1-naphthol	159	C10H9NO	000083-55-6	74



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042716\
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Acq On : 27 Apr 2016 14:36
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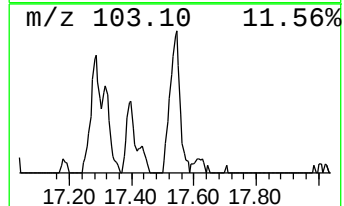
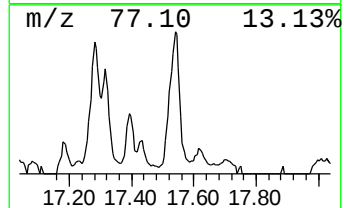
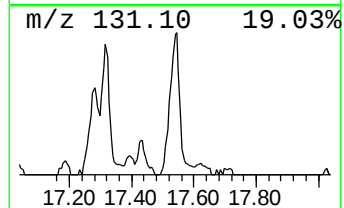
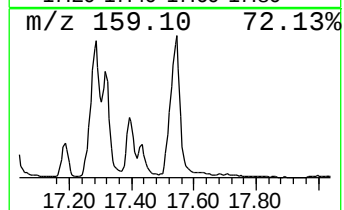
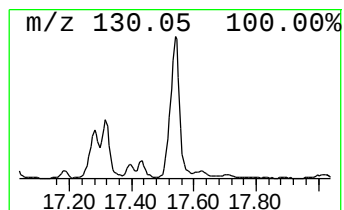
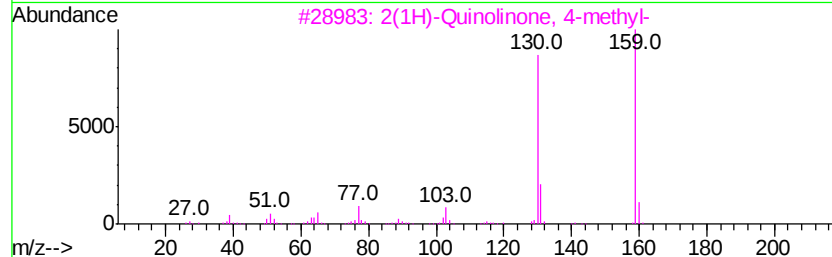
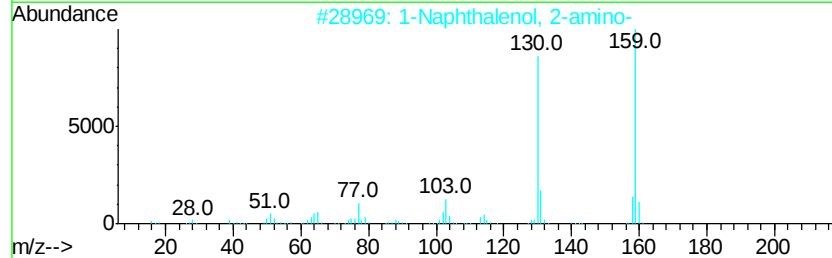
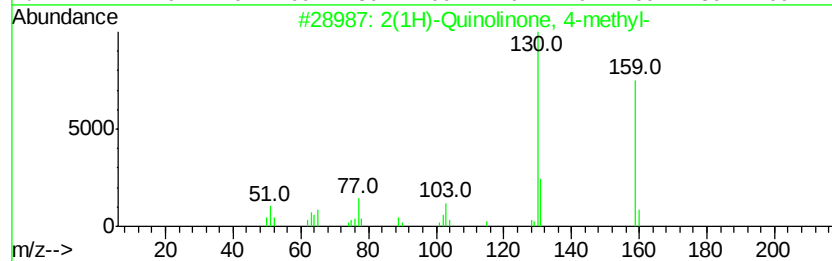
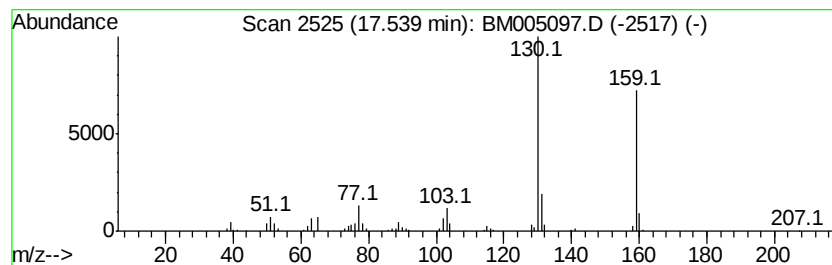
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 2(1H)-Quinolinone, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	4.15 ng/ul	316673	Phenanthrene-d10	17.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	94
2		1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	91
3		2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	90
4		4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	87
5		2-Methyl-6-hydroxyquinoline	159	C10H9NO	000613-21-8	72



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042716\
 Data File : BM005097.D
 Acq On : 27 Apr 2016 14:36
 Operator : UM/SJ
 Sample : H2584-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7M0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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
Indane	8.17	11.5	ng/ul	274686	1	7.80	476436	20.0
2-Benzothiophene #	10.76	8.1	ng/ul	329753	2	10.59	810630	20.0
Naphthalene, 1-me...	12.47	5.5	ng/ul	225122	2	10.59	810630	20.0
2-Naphthalenecarb...	14.57	2.1	ng/ul	125628	3	14.43	1219210	20.0
trans-4-Phenyl-3-...	14.93	3.4	ng/ul	209569	3	14.43	1219210	20.0
1(2H)-Quinolineca...	16.16	3.9	ng/ul	295459	4	17.19	1524950	20.0
1(2H)-Isoquinolinone	16.43	9.9	ng/ul	758547	4	17.19	1524950	20.0
2(1H)-Quinolinone...	16.70	2.4	ng/ul	178934	4	17.19	1524950	20.0
9H-Fluoren-9-one	16.83	2.5	ng/ul	189878	4	17.19	1524950	20.0
4-Amino-1-naphthol	17.02	2.3	ng/ul	172439	4	17.19	1524950	20.0
2(1H)-Quinolinone...	17.54	4.2	ng/ul	316673	4	17.19	1524950	20.0